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Observations of Light Scattering and Suspended Particulate Matter off the Oregon Coast, June-October 1972

by

William S. Plank
Hasong Pak

Office of Naval Research
Contract N00014-67-A-0369-0007
Project NR 083-102

Data Report 55 Reference 73-11

June 1973

OREGON STATE UNIVERSITY

School of Oceanography
Oregon State University
Corvallis, Oregon 97331

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ABSTRACT

The results of light scattering measurements made with a Brice-Phoenix photometer and particle size distribution measurements made with a Model A Coulter Counter are presented. The data were collected on five cruises off the Oregon coast during the period June - October 1972. The cruises were a part of the Coastal Upwelling Experiment (CUE).

INTRODUCTION

During the summer and fall of 1972, the Optical Oceanography group of Oregon State University participated in the Coastal Upwelling Experiment (CUE). CUE is a multi-scientist, multi-institutional program engaged in the study of upwelling off the Oregon coast.

The purpose of this report is to present data on light scattering and suspended particulate matter collected on five cruises between June and October of 1972. The dates of these cruises were as follows:

Y7206C	19-23 June 1972.
Y7207A	5-9 July 1972.
Y7207E	31 July - 7 August 1972.
Y7208E	26-30 August 1972.
Y7210B	28-30 October 1972.

On each of these cruises hydrographic casts were made on stations along two east-west lines extending off-shore at 44°40'N and 44°55'N latitude. These two lines were designated the D and G lines, respectively, and were parts of a more extensive grid of stations at which CTD and other types of data were taken. On cruise Y7208E a third line of stations at 45°12'N was occupied. This line was designated the K line. For each station in the data tables a grid position is given and the location of the station may be found by reference to Figure 1, page 6.

Water samples were obtained at 10 m intervals from 0 to 120 m maximum. Light scattering and particle size distribution analyses were performed on all samples. Scattering of blue (436 nm.) and green (546 nm.) light at 45° from the forward direction was determined by means of a Brice-Phoenix light scattering photometer. The details of this analysis have been presented by Spilhaus (1965) and Pak (1970). Cumulative particle size distribution

measurements were made at 2.22 μm, 3.49 μm and 6.17 μm by a Model A Coulter Counter equipped with a 100 μm aperture. The sample volume used in all analyses was 1/2 ml. Sheldon and Parsons (1967) and Carder (1970) have discussed the use of this instrument in oceanographic applications.

Results of the light scattering and particle size distribution analyses are presented in the data tables. For each cruise there are two sets of data. The first set consists of light scattering data obtained with the Brice-Phoenix photometer, and the second set consists of particle data calculated from the Coulter Counter measurements. Column headings in these tables which require explanation are discussed below:

BOT NO - The number of the hydro bottle from which the sample was obtained. The depth of the sample may be obtained by cross-referencing with the corresponding particle data sheet.

LAMDA - Number 1 signifies blue (λ = 436 nm.) and number 2 signifies green (λ = 546 nm.).

WATER + PARTICLES, B (45) - This is the value of the volume scattering function at 45° ($\beta(45)$) for pure water from the "water + particles" value. This represents the light scattered only by the particles.

For each bottle, the ratio of blue and green light scattered by the particles is obtained for use in determining BULK INDEX in the particle data sheets.

TLVOL. The computed total volume in $(\mu m)^3$ of particulate matter in one ml. of seawater. This value is obtained by integrating an exponential particle size distribution which has been least-squares fitted to the three points on the cumulative size distribution obtained by the Coulter Counter. The integration is performed between zero and infinity. It is thus assumed

for the purposes of this calculation that there are no peaks in the cumulative size distribution.

SXSEC - The computed total projected cross-sectional area of the particulate matter in one ml. It is also obtained from the exponential curve fitted to the data.

FLOVOL - The volume of particulate matter per ml. having diameters between 2.22 μm and 6.17 μm. It is obtained by numerical integration of the portion of the particle size distribution measured by the Coulter Counter.

MASCON - The mass concentration of particulate matter in milligrams per liter. This is obtained from TLVOL by assuming a specific gravity of 2.2 for the material.

BULK INDEX - The difference between the average particulate index of refraction and the index of refraction of pure water. This value is obtained by the method developed by Zaneveld and Pak (1973).

SLOPE - The slope of the exponential particle size distribution fitted to the Coulter Counter data.

TOTAL NO OF PART. - The total number of particles per ml. obtained by extrapolation of the exponential cumulative particle size distribution to a diameter of zero.

RATIO - The ratio of $\beta(45)$ blue to $\beta(45)$ green obtained from the light scattering measurements.

DEPTH - The depth in meters at which the sample was obtained.

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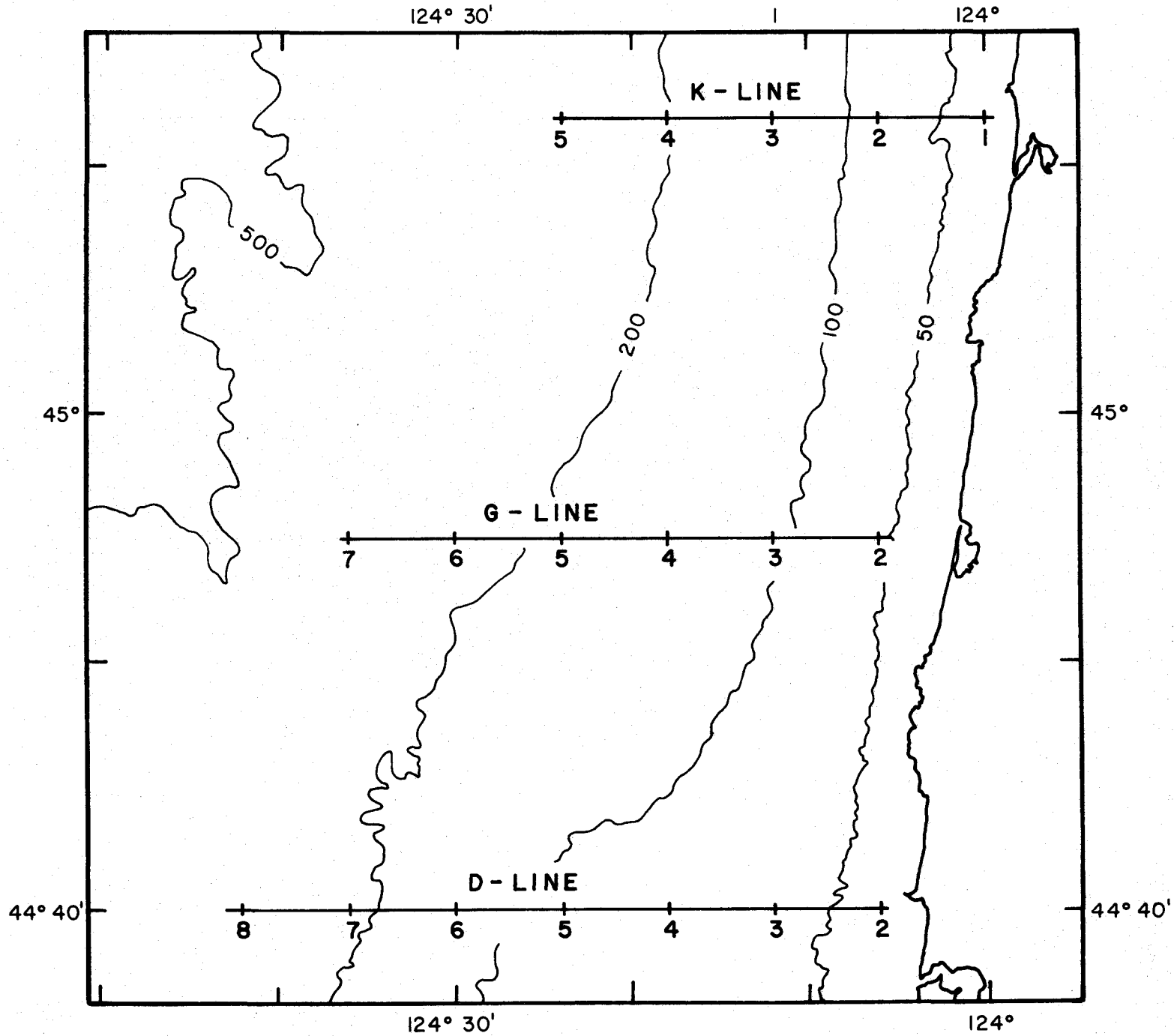

Figure 1. Chart of Station Locations

DATA TABLES

CRUISE Y7206C

19-23 June 1972

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	15-D8	1	1	.0271985	.0268665
Y7206C	15-D8	1	2	.0274805	.0274455
	B(45)BLUE / B(45)GREEN =			.979	
Y7206C	15-D8	2	1	.0287996	.0284676
Y7206C	15-D8	2	2	.0217019	.0216669
	B(45)BLUE / B(45)GREEN =			1.314	
Y7206C	15-D8	3	1	.0206655	.0203335
Y7206C	15-D8	3	2	.0186146	.0185796
	B(45)BLUE / B(45)GREEN =			1.094	
Y7206C	15-D8	4	1	.0182402	.0179082
Y7206C	15-D8	4	2	.0173484	.0173134
	B(45)BLUE / B(45)GREEN =			1.034	
Y7206C	15-D8	5	1	.0192333	.0189013
Y7206C	15-D8	5	2	.0179465	.0179115
	B(45)BLUE / B(45)GREEN =			1.055	
Y7206C	15-D8	6	1	.0159489	.0156169
Y7206C	15-D8	6	2	.0133809	.0133459
	B(45)BLUE / B(45)GREEN =			1.170	
Y7206C	15-D8	7	1	.0150959	.0147639
Y7206C	15-D8	7	2	.0111071	.0110721
	B(45)BLUE / B(45)GREEN =			1.333	
Y7206C	15-D8	8	1	.0131204	.0127884
Y7206C	15-D8	8	2	.0110876	.0110526
	B(45)BLUE / B(45)GREEN =			1.157	
Y7206C	15-D8	9	1	.0127004	.0123684
Y7206C	15-D8	9	2	.0095779	.0095429
	B(45)BLUE / B(45)GREEN =			1.296	
Y7206C	15-D8	10	1	.0117932	.0114612
Y7206C	15-D8	10	2	.0089307	.0088957
	B(45)BLUE / B(45)GREEN =			1.288	
Y7206C	15-D8	11	1	.0131029	.0127709
Y7206C	15-D8	11	2	.0111071	.0110721
	B(45)BLUE / B(45)GREEN =			1.153	
Y7206C	15-D8	12	1	.0139100	.0135780
Y7206C	15-D8	12	2	.0118315	.0117965
	B(45)BLUE / B(45)GREEN =			1.151	
Y7206C	15-D8	13	1	.0188673	.0185353
Y7206C	15-D8	13	2	.0138352	.0138002
	B(45)BLUE / B(45)GREEN =			1.363	
Y7206C	16-D7	1	1	.0459800	.0456480
Y7206C	16-D7	1	2	.0449279	.0448929
	B(45)BLUE / B(45)GREEN =			1.017	
Y7206C	16-D7	2	1	.0454481	.0451161
Y7206C	16-D7	2	2	.0416761	.0416411
	B(45)BLUE / B(45)GREEN =			1.083	
Y7206C	16-D7	3	1	.0349776	.0346456
Y7206C	16-D7	3	2	.0260929	.0260579
	B(45)BLUE / B(45)GREEN =			1.330	
Y7206C	16-D7	4	1	.0247544	.0244224
Y7206C	16-D7	4	2	.0218027	.0217677
	B(45)BLUE / B(45)GREEN =			1.122	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	16-D7	5	1	.0168716	.0165396
Y7206C	16-D7	5	2	.0090077	.0089727
	B(45)BLUE / B(45)GREEN =			1.843	
Y7206C	16-D7	6	1	.0176584	.0173264
Y7206C	16-D7	6	2	.0159307	.0158957
	B(45)BLUE / B(45)GREEN =			1.090	
Y7206C	16-D7	7	1	.0145383	.0142063
Y7206C	16-D7	7	2	.0128174	.0127824
	B(45)BLUE / B(45)GREEN =			1.111	
Y7206C	16-D7	8	1	.0139836	.0136516
Y7206C	16-D7	8	2	.0120790	.0120440
	B(45)BLUE / B(45)GREEN =			1.133	
Y7206C	16-D7	9	1	.0154406	.0151086
Y7206C	16-D7	9	2	.0122540	.0122190
	B(45)BLUE / B(45)GREEN =			1.236	
Y7206C	16-D7	10	1	.0119113	.0115793
Y7206C	16-D7	10	2	.0093022	.0092672
	B(45)BLUE / B(45)GREEN =			1.249	
Y7206C	16-D7	11	1	.0240044	.0236724
Y7206C	16-D7	11	2	.0228243	.0227893
	B(45)BLUE / B(45)GREEN =			1.039	
Y7206C	16-D7	12	1	.0231123	.0227803
Y7206C	16-D7	12	2	.0195508	.0195158
	B(45)BLUE / B(45)GREEN =			1.167	
Y7206C	16-D7	13	1	.0303582	.0300262
Y7206C	16-D7	13	2	.0294631	.0294281
	B(45)BLUE / B(45)GREEN =			1.020	
Y7206C	17-D6	1	1	.0895964	.0892644
Y7206C	17-D6	1	2	.0958045	.0957695
	B(45)BLUE / B(45)GREEN =			.932	
Y7206C	17-D6	2	1	.0631792	.0628472
Y7206C	17-D6	2	2	.0537940	.0537590
	B(45)BLUE / B(45)GREEN =			1.169	
Y7206C	17-D6	3	1	.0181558	.0178238
Y7206C	17-D6	3	2	.0170029	.0169679
	B(45)BLUE / B(45)GREEN =			1.050	
Y7206C	17-D6	4	1	.0145604	.0142284
Y7206C	17-D6	4	2	.0112460	.0112110
	B(45)BLUE / B(45)GREEN =			1.269	
Y7206C	17-D6	5	1	.0132695	.0129375
Y7206C	17-D6	5	2	.0114089	.0113739
	B(45)BLUE / B(45)GREEN =			1.137	
Y7206C	17-D6	6	1	.0103220	.0099900
Y7206C	17-D6	6	2	.0091712	.0091362
	B(45)BLUE / B(45)GREEN =			1.093	
Y7206C	17-D6	7	1	.0158876	.0155556
Y7206C	17-D6	7	2	.0140227	.0139877
	B(45)BLUE / B(45)GREEN =			1.112	
Y7206C	17-D6	8	1	.0095534	.0092264
Y7206C	17-D6	8	2	.0072548	.0072198
	B(45)BLUE / B(45)GREEN =			1.278	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	17-D6	9	1	.0221579	.0218259
Y7206C	17-D6	9	2	.0204093	.0203743
	B(45)BLUE / B(45)GREEN =			1.071	
Y7206C	17-D6	10	1	.0370643	.0367323
Y7206C	17-D6	10	2	.0317672	.0317327
	B(45)BLUE / B(45)GREEN =			1.158	
Y7206C	17-D6	11	1	.0134564	.0131244
Y7206C	17-D6	11	2	.0099925	.0099575
	B(45)BLUE / B(45)GREEN =			1.318	
Y7206C	17-D6	12	1	.0493486	.0490166
Y7206C	17-D6	12	2	.0613008	.0612658
	B(45)BLUE / B(45)GREEN =			.800	
Y7206C	18-D5	1	1	.0765096	.0761776
Y7206C	18-D5	1	2	.0885542	.0885192
	B(45)BLUE / B(45)GREEN =			.861	
Y7206C	18-D5	2	1	.3073387	.3070067
Y7206C	18-D5	2	2	.0332416	.0332066
	B(45)BLUE / B(45)GREEN =			9.245	
Y7206C	18-D5	3	1	.0222241	.0218921
Y7206C	18-D5	3	2	.0196918	.0196568
	B(45)BLUE / B(45)GREEN =			1.114	
Y7206C	18-D5	4	1	.0270847	.0267527
Y7206C	18-D5	4	2	.0246189	.0245839
	B(45)BLUE / B(45)GREEN =			1.088	
Y7206C	18-D5	5	1	.0244804	.0241484
Y7206C	18-D5	5	2	.0212151	.0211801
	B(45)BLUE / B(45)GREEN =			1.140	
Y7206C	18-D5	6	1	.0201820	.0198500
Y7206C	18-D5	6	2	.0154797	.0154447
	B(45)BLUE / B(45)GREEN =			1.285	
Y7206C	18-D5	7	1	.5516536	.5513216
Y7206C	18-D5	7	2	.0140937	.0140587
	B(45)BLUE / B(45)GREEN =			39.216	
Y7206C	18-D5	8	1	.0302957	.0299637
Y7206C	18-D5	8	2	.0267448	.0267098
	B(45)BLUE / B(45)GREEN =			1.122	
Y7206C	19-D4	1	1	.0435515	.0432195
Y7206C	19-D4	1	2	.0443800	.0443450
	B(45)BLUE / B(45)GREEN =			.975	
Y7206C	19-D4	2	1	.0354096	.0350776
Y7206C	19-D4	2	2	.0344654	.0344304
	B(45)BLUE / B(45)GREEN =			1.019	
Y7206C	19-D4	3	1	.0322577	.0319257
Y7206C	19-D4	3	2	.0294970	.0294620
	B(45)BLUE / B(45)GREEN =			1.084	
Y7206C	19-D4	4	1	.0259677	.0256357
Y7206C	19-D4	4	2	.0235335	.0234985
	B(45)BLUE / B(45)GREEN =			1.091	
Y7206C	19-D4	5	1	.0278672	.0275352
Y7206C	19-D4	5	2	.0264331	.0263981
	B(45)BLUE / B(45)GREEN =			1.043	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	19-D4	6	1	.0405452	.0402132
Y7206C	19-D4	6	2	.0387203	.0382853
	B(45)BLUE / B(45)GREEN =			1.050	
Y7206C	20-D3	1	1	.0570536	.0567216
Y7206C	20-D3	1	2	.0553066	.0552716
	B(45)BLUE / B(45)GREEN =			1.026	
Y7206C	20-D3	2	1	.0512091	.0508771
Y7206C	20-D3	2	2	.0426496	.0426146
	B(45)BLUE / B(45)GREEN =			1.194	
Y7206C	20-D3	3	1	.0344850	.0341530
Y7206C	20-D3	3	2	.0324711	.0324361
	B(45)BLUE / B(45)GREEN =			1.053	
Y7206C	20-D3	4	1	.0243142	.0239822
Y7206C	20-D3	4	2	.0221770	.0221420
	B(45)BLUE / B(45)GREEN =			1.083	
Y7206C	20-D3	5	1	.0303212	.0299892
Y7206C	20-D3	5	2	.0242088	.0241738
	B(45)BLUE / B(45)GREEN =			1.241	
Y7206C	20-D3	6	1	.0516724	.0513404
Y7206C	20-D3	6	2	.0438455	.0438105
	B(45)BLUE / B(45)GREEN =			1.172	
Y7206C	21-D2	1	1	.0841631	.0838311
Y7206C	21-D2	1	2	.0820260	.0819910
	B(45)BLUE / B(45)GREEN =			1.022	
Y7206C	21-D2	2	1	.0422932	.0419612
Y7206C	21-D2	2	2	.0338222	.0337872
	B(45)BLUE / B(45)GREEN =			1.242	
Y7206C	21-D2	3	1	.0307189	.0303869
Y7206C	21-D2	3	2	.0246411	.0246061
	B(45)BLUE / B(45)GREEN =			1.235	
Y7206C	34-G2	1	1	.0520770	.0517450
Y7206C	34-G2	1	2	.0488962	.0488612
	B(45)BLUE / B(45)GREEN =			1.059	
Y7206C	34-G2	2	1	.0575017	.0571697
Y7206C	34-G2	2	2	.0516949	.0516599
	B(45)BLUE / B(45)GREEN =			1.107	
Y7206C	34-G2	3	1	.0588579	.0585259
Y7206C	34-G2	3	2	.0520576	.0520226
	B(45)BLUE / B(45)GREEN =			1.125	
Y7206C	34-G2	4	1	.0499869	.0496549
Y7206C	34-G2	4	2	.0452865	.0452515
	B(45)BLUE / B(45)GREEN =			1.097	
Y7206C	34-G2	5	1	.0819128	.0815808
Y7206C	34-G2	5	2	.0640446	.0640096
	B(45)BLUE / B(45)GREEN =			1.275	
Y7206C	35-G3	1	1	.1022596	.1019276
Y7206C	35-G3	1	2	.0923082	.0922732
	B(45)BLUE / B(45)GREEN =			1.105	
Y7206C	35-G3	2	1	.0578062	.0574742
Y7206C	35-G3	2	2	.0543121	.0542771
	B(45)BLUE / B(45)GREEN =			1.059	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	35-G3	3	1	.0289683	.0286363
Y7206C	35-G3	3	2	.0276129	.0275779
	B(45)BLUE / B(45)GREEN =			1.038	
Y7206C	35-G3	4	1	.0334605	.0331285
Y7206C	35-G3	4	2	.0261709	.0261359
	B(45)BLUE / B(45)GREEN =			1.268	
Y7206C	35-G3	5	1	.0206989	.0203669
Y7206C	35-G3	5	2	.0150548	.0150198
	B(45)BLUE / B(45)GREEN =			1.356	
Y7206C	35-G3	6	1	.0231510	.0228190
Y7206C	35-G3	6	2	.0201661	.0201311
	B(45)BLUE / B(45)GREEN =			1.134	
Y7206C	35-G3	7	1	.0285912	.0282592
Y7206C	35-G3	7	2	.0239171	.0238821
	B(45)BLUE / B(45)GREEN =			1.183	
Y7206C	35-G3	8	1	.0315377	.0312057
Y7206C	35-G3	8	2	.0297247	.0296897
	B(45)BLUE / B(45)GREEN =			1.051	
Y7206C	35-G3	9	1	.0244284	.0240964
Y7206C	35-G3	9	2	.0181645	.0181295
	B(45)BLUE / B(45)GREEN =			1.329	
Y7206C	35-G3	10	1	.0228879	.0225559
Y7206C	35-G3	10	2	.0186374	.0186024
	B(45)BLUE / B(45)GREEN =			1.213	
Y7206C	36-G4	1	1	.0442382	.0439062
Y7206C	36-G4	1	2	.0455352	.0455002
	B(45)BLUE / B(45)GREEN =			.965	
Y7206C	36-G4	2	1	.0297597	.0294277
Y7206C	36-G4	2	2	.0202242	.0201892
	B(45)BLUE / B(45)GREEN =			1.458	
Y7206C	36-G4	3	1	.0357483	.0354163
Y7206C	36-G4	3	2	.0319958	.0319608
	B(45)BLUE / B(45)GREEN =			1.108	
Y7206C	36-G4	4	1	.0146685	.0143365
Y7206C	36-G4	4	2	.0134982	.0134632
	B(45)BLUE / B(45)GREEN =			1.065	
Y7206C	36-G4	5	1	.0134562	.0131242
Y7206C	36-G4	5	2	.0105241	.0104891
	B(45)BLUE / B(45)GREEN =			1.251	
Y7206C	36-G4	6	1	.0145015	.0141695
Y7206C	36-G4	6	2	.0128494	.0128144
	B(45)BLUE / B(45)GREEN =			1.106	
Y7206C	36-G4	7	1	.0204938	.0201618
Y7206C	36-G4	7	2	.0172660	.0172310
	B(45)BLUE / B(45)GREEN =			1.170	
Y7206C	36-G4	8	1	.0131072	.0127752
Y7206C	36-G4	8	2	.0105025	.0104675
	B(45)BLUE / B(45)GREEN =			1.220	
Y7206C	36-G4	9	1	.0196806	.0193486
Y7206C	36-G4	9	2	.0176197	.0175847
	B(45)BLUE / B(45)GREEN =			1.100	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	36-G4	10	1	.0122439	.0119119
Y7206C	36-G4	10	2	.0119697	.0119347
	B(45)BLUE / B(45)GREEN =			.998	
Y7206C	36-G4	11	1	.0108852	.0105532
Y7206C	36-G4	11	2	.0081922	.0081572
	B(45)BLUE / B(45)GREEN =			1.294	
Y7206C	36-G4	12	1	.0129321	.0126001
Y7206C	36-G4	12	2	.0103993	.0103643
	B(45)BLUE / B(45)GREEN =			1.216	
Y7206C	36-G4	13	1	.0134038	.0130718
Y7206C	36-G4	13	2	.0115475	.0115125
	B(45)BLUE / B(45)GREEN =			1.135	
Y7206C	37-G5	1	1	.0487003	.0483683
Y7206C	37-G5	1	2	.0335560	.0335210
	B(45)BLUE / B(45)GREEN =			1.443	
Y7206C	37-G5	2	1	.0291534	.0288214
Y7206C	37-G5	2	2	.0249890	.0249540
	B(45)BLUE / B(45)GREEN =			1.155	
Y7206C	37-G5	3	1	.0143945	.0140625
Y7206C	37-G5	3	2	.0107926	.0107576
	B(45)BLUE / B(45)GREEN =			1.307	
Y7206C	37-G5	4	1	.0159193	.0155873
Y7206C	37-G5	4	2	.0099800	.0099450
	B(45)BLUE / B(45)GREEN =			1.567	
Y7206C	37-G5	5	1	.0115083	.0111763
Y7206C	37-G5	5	2	.0075709	.0075359
	B(45)BLUE / B(45)GREEN =			1.483	
Y7206C	37-G5	6	1	.0148847	.0145527
Y7206C	37-G5	6	2	.0110611	.0110261
	B(45)BLUE / B(45)GREEN =			1.320	
Y7206C	37-G5	7	1	.0173265	.0169945
Y7206C	37-G5	7	2	.0140143	.0139793
	B(45)BLUE / B(45)GREEN =			1.216	
Y7206C	37-G5	8	1	.0142431	.0139111
Y7206C	37-G5	8	2	.0112863	.0112513
	B(45)BLUE / B(45)GREEN =			1.236	
Y7206C	37-G5	9	1	.0104299	.0100979
Y7206C	37-G5	9	2	.0081079	.0080729
	B(45)BLUE / B(45)GREEN =			1.251	
Y7206C	37-G5	10	1	.0099831	.0096511
Y7206C	37-G5	10	2	.0090567	.0090217
	B(45)BLUE / B(45)GREEN =			1.070	
Y7206C	37-G5	11	1	.0110314	.0106994
Y7206C	37-G5	11	2	.0084466	.0084116
	B(45)BLUE / B(45)GREEN =			1.272	
Y7206C	37-G5	12	1	.0101249	.0097929
Y7206C	37-G5	12	2	.0075099	.0074749
	B(45)BLUE / B(45)GREEN =			1.310	
Y7206C	37-G5	13	1	.0139968	.0136648
Y7206C	37-G5	13	2	.0126719	.0126369
	B(45)BLUE / B(45)GREEN =			1.081	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	38-G6	1	1	.0358030	.0354710
Y7206C	38-G6	1	2	.0338795	.0338445
	B(45)BLUE / B(45)GREEN =			1.048	
Y7206C	38-G6	2	1	.0384910	.0381590
Y7206C	38-G6	2	2	.0348105	.0347755
	B(45)BLUE / B(45)GREEN =			1.097	
Y7206C	38-G6	3	1	.0252448	.0249128
Y7206C	38-G6	3	2	.0221821	.0221471
	B(45)BLUE / B(45)GREEN =			1.125	
Y7206C	38-G6	4	1	.0229301	.0225981
Y7206C	38-G6	4	2	.0191948	.0191598
	B(45)BLUE / B(45)GREEN =			1.179	
Y7206C	38-G6	5	1	.0123936	.0120616
Y7206C	38-G6	5	2	.0102249	.0101899
	B(45)BLUE / B(45)GREEN =			1.184	
Y7206C	38-G6	6	1	.0104400	.0101080
Y7206C	38-G6	6	2	.0084533	.0084183
	B(45)BLUE / B(45)GREEN =			1.201	
Y7206C	38-G6	7	1	.0135756	.0132436
Y7206C	38-G6	7	2	.0115877	.0115527
	B(45)BLUE / B(45)GREEN =			1.146	
Y7206C	38-G6	8	1	.0189580	.0186260
Y7206C	38-G6	8	2	.0134370	.0134020
	B(45)BLUE / B(45)GREEN =			1.390	
Y7206C	38-G6	9	1	.0089256	.0085936
Y7206C	38-G6	9	2	.0067761	.0067411
	B(45)BLUE / B(45)GREEN =			1.275	
Y7206C	38-G6	10	1	.0136909	.0133589
Y7206C	38-G6	10	2	.0065133	.0064783
	B(45)BLUE / B(45)GREEN =			2.062	
Y7206C	38-G6	11	1	.0119145	.0115825
Y7206C	38-G6	11	2	.0091990	.0091640
	B(45)BLUE / B(45)GREEN =			1.264	
Y7206C	38-G6	12	1	.0151586	.0148266
Y7206C	38-G6	12	2	.0135151	.0134801
	B(45)BLUE / B(45)GREEN =			1.100	
Y7206C	38-G6	13	1	.0086122	.0082802
Y7206C	38-G6	13	2	.0067698	.0067348
	B(45)BLUE / B(45)GREEN =			1.229	
Y7206C	38-G6	1	1	.0321815	.0318495
Y7206C	38-G6	1	2	.0306319	.0305969
	B(45)BLUE / B(45)GREEN =			1.041	
Y7206C	38-G6	2	1	.0354481	.0351161
Y7206C	38-G6	2	2	.0285481	.0285131
	B(45)BLUE / B(45)GREEN =			1.232	
Y7206C	38-G6	3	1	.0183329	.0180009
Y7206C	38-G6	3	2	.0189171	.0188821
	B(45)BLUE / B(45)GREEN =			.953	
Y7206C	38-G6	4	1	.0155878	.0152558
Y7206C	38-G6	4	2	.0167795	.0167445
	B(45)BLUE / B(45)GREEN =			.911	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	38-G6	5	1	.0126744	.0123424
Y7206C	38-G6	5	2	.0084533	.0084183
	B(45)BLUE / B(45)GREEN =			1.466	
Y7206C	38-G6	6	1	.0104400	.0101080
Y7206C	38-G6	6	2	.0076940	.0076590
	B(45)BLUE / B(45)GREEN =			1.320	
Y7206C	38-G6	7	1	.0074908	.0071588
Y7206C	38-G6	7	2	.0056693	.0056343
	B(45)BLUE / B(45)GREEN =			1.271	
Y7206C	38-G6	8	1	.0122094	.0118774
Y7206C	38-G6	8	2	.0102249	.0101899
	B(45)BLUE / B(45)GREEN =			1.166	
Y7206C	38-G6	9	1	.0169281	.0165961
Y7206C	38-G6	9	2	.0156388	.0156038
	B(45)BLUE / B(45)GREEN =			1.064	
Y7206C	38-G6	10	1	.0081516	.0078196
Y7206C	38-G6	10	2	.0066816	.0066466
	B(45)BLUE / B(45)GREEN =			1.176	
Y7206C	38-G6	11	1	.0264335	.0261015
Y7206C	38-G6	11	2	.0248022	.0247672
	B(45)BLUE / B(45)GREEN =			1.054	
Y7206C	38-G6	12	1	.0107851	.0104531
Y7206C	38-G6	12	2	.0073792	.0073442
	B(45)BLUE / B(45)GREEN =			1.423	
Y7206C	38-G6	13	1	.0091673	.0088353
Y7206C	38-G6	13	2	.0074756	.0074406
	B(45)BLUE / B(45)GREEN =			1.187	
Y7206C	50-D2	1	1	.0605434	.0602114
Y7206C	50-D2	1	2	.0494106	.0493756
	B(45)BLUE / B(45)GREEN =			1.219	
Y7206C	50-D2	2	1	.0408608	.0405288
Y7206C	50-D2	2	2	.0379730	.0379380
	B(45)BLUE / B(45)GREEN =			1.068	
Y7206C	50-D2	3	1	.1261339	.1258019
Y7206C	50-D2	3	2	.0727178	.0726828
	B(45)BLUE / B(45)GREEN =			1.731	
Y7206C	51-D3	1	1	.0532842	.0529522
Y7206C	51-D3	1	2	.0485671	.0485321
	B(45)BLUE / B(45)GREEN =			1.091	
Y7206C	51-D3	2	1	.0480085	.0476765
Y7206C	51-D3	2	2	.0455048	.0454698
	B(45)BLUE / B(45)GREEN =			1.049	
Y7206C	51-D3	3	1	.0367565	.0364245
Y7206C	51-D3	3	2	.0308699	.0308349
	B(45)BLUE / B(45)GREEN =			1.181	
Y7206C	51-D3	4	1	.0260590	.0257270
Y7206C	51-D3	4	2	.0204805	.0204455
	B(45)BLUE / B(45)GREEN =			1.258	
Y7206C	51-D3	5	1	.0367495	.0364175
Y7206C	51-D3	5	2	.0303745	.0303395
	B(45)BLUE / B(45)GREEN =			1.200	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	51-D3	6	1	.0507085	.0503765
Y7206C	51-D3	6	2	.0457002	.0456652
	B(45)BLUE / B(45)GREEN =			1.103	
Y7206C	52-D4	1	1	.0953408	.0950038
Y7206C	52-D4	1	2	.0960716	.0960366
	B(45)BLUE / B(45)GREEN =			.989	
Y7206C	52-D4	2	1	.0027135	.0023815
Y7206C	52-D4	2	2	.0194667	.0194317
	B(45)BLUE / B(45)GREEN =			.123	
Y7206C	52-D4	3	1	.0202655	.0199335
Y7206C	52-D4	3	2	.0179523	.0179173
	B(45)BLUE / B(45)GREEN =			1.113	
Y7206C	52-D4	4	1	.0220120	.0216800
Y7206C	52-D4	4	2	.0199858	.0199508
	B(45)BLUE / B(45)GREEN =			1.087	
Y7206C	52-D4	5	1	.0262335	.0259015
Y7206C	52-D4	5	2	.0248542	.0248192
	B(45)BLUE / B(45)GREEN =			1.044	
Y7206C	52-D4	6	1	.0185318	.0181998
Y7206C	52-D4	6	2	.0154732	.0154382
	B(45)BLUE / B(45)GREEN =			1.179	
Y7206C	52-D4	7	1	.0172628	.0169308
Y7206C	52-D4	7	2	.0135813	.0135463
	B(45)BLUE / B(45)GREEN =			1.250	
Y7206C	52-D4	8	1	.0529642	.0526322
Y7206C	52-D4	8	2	.0449566	.0449216
	B(45)BLUE / B(45)GREEN =			1.172	
Y7206C	53-D5	1	1	.0547703	.0544383
Y7206C	53-D5	1	2	.0470377	.0470027
	B(45)BLUE / B(45)GREEN =			1.158	
Y7206C	53-D5	2	1	.0368284	.0364964
Y7206C	53-D5	2	2	.0354510	.0354160
	B(45)BLUE / B(45)GREEN =			1.031	
Y7206C	53-D5	3	1	.0256484	.0253164
Y7206C	53-D5	3	2	.0409678	.0409328
	B(45)BLUE / B(45)GREEN =			.618	
Y7206C	53-D5	4	1	.0179036	.0175716
Y7206C	53-D5	4	2	.0169754	.0169404
	B(45)BLUE / B(45)GREEN =			1.037	
Y7206C	53-D5	5	1	.0157956	.0154636
Y7206C	53-D5	5	2	.0132647	.0132297
	B(45)BLUE / B(45)GREEN =			1.169	
Y7206C	53-D5	6	1	.0213185	.0209865
Y7206C	53-D5	6	2	.0143837	.0143487
	B(45)BLUE / B(45)GREEN =			1.463	
Y7206C	53-D5	7	1	.0315605	.0312285
Y7206C	53-D5	7	2	.0254697	.0254347
	B(45)BLUE / B(45)GREEN =			1.228	
Y7206C	53-D5	8	1	.0271228	.0267908
Y7206C	53-D5	8	2	.0247132	.0246782
	B(45)BLUE / B(45)GREEN =			1.086	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	53-D5	9	1	.0291559	.0268239
Y7206C	53-D5	9	2	.0254697	.0254347
	B(45)BLUE / B(45)GREEN =			1.133	
Y7206C	54-D6	1	1	.0434050	.0430730
Y7206C	54-D6	1	2	.0409969	.0409619
	B(45)BLUE / B(45)GREEN =			1.052	
Y7206C	54-D6	2	1	.0637921	.0634601
Y7206C	54-D6	2	2	.0524794	.0524444
	B(45)BLUE / B(45)GREEN =			1.210	
Y7206C	54-D6	3	1	.0304919	.0301599
Y7206C	54-D6	3	2	.0306449	.0306099
	B(45)BLUE / B(45)GREEN =			.985	
Y7206C	54-D6	4	1	.0149788	.0146468
Y7206C	54-D6	4	2	.0135801	.0135451
	B(45)BLUE / B(45)GREEN =			1.081	
Y7206C	54-D6	5	1	.0235078	.0231758
Y7206C	54-D6	5	2	.0197328	.0196978
	B(45)BLUE / B(45)GREEN =			1.177	
Y7206C	54-D6	6	1	.0153783	.0150463
Y7206C	54-D6	6	2	.0215432	.0215082
	B(45)BLUE / B(45)GREEN =			.700	
Y7206C	54-D6	7	1	.0164192	.0160872
Y7206C	54-D6	7	2	.0120512	.0120162
	B(45)BLUE / B(45)GREEN =			1.339	
Y7206C	54-D6	8	1	.0255520	.0252200
Y7206C	54-D6	8	2	.0224498	.0224148
	B(45)BLUE / B(45)GREEN =			1.125	
Y7206C	54-D6	9	1	.0120405	.0117085
Y7206C	54-D6	9	2	.0102236	.0101886
	B(45)BLUE / B(45)GREEN =			1.149	
Y7206C	54-D6	10	1	.0165496	.0162176
Y7206C	54-D6	10	2	.0125696	.0125346
	B(45)BLUE / B(45)GREEN =			1.294	
Y7206C	54-D6	11	1	.0225432	.0222112
Y7206C	54-D6	11	2	.0201875	.0201525
	B(45)BLUE / B(45)GREEN =			1.102	
Y7206C	54-D6	12	1	.0153294	.0149974
Y7206C	54-D6	12	2	.0124042	.0123692
	B(45)BLUE / B(45)GREEN =			1.212	
Y7206C	55-D7	1	1	.0348555	.0345235
Y7206C	55-D7	1	2	.0410482	.0410132
	B(45)BLUE / B(45)GREEN =			.842	
Y7206C	55-D7	2	1	.0371697	.0368577
Y7206C	55-D7	2	2	.0427124	.0426774
	B(45)BLUE / B(45)GREEN =			.864	
Y7206C	55-D7	3	1	.0241856	.0238536
Y7206C	55-D7	3	2	.0218764	.0218414
	B(45)BLUE / B(45)GREEN =			1.092	
Y7206C	55-D7	4	1	.0180265	.0176945
Y7206C	55-D7	4	2	.0162423	.0162073
	B(45)BLUE / B(45)GREEN =			1.092	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7206C	55- D7	5	1	.0123749	.0120429
Y7206C	55- D7	5	2	.0110146	.0109796
	B(45)BLUE / B(45)GREEN =			1.097	
Y7206C	55- D7	6	1	.0136965	.0133645
Y7206C	55- D7	6	2	.0102513	.0102163
	B(45)BLUE / B(45)GREEN =			1.308	
Y7206C	55- D7	7	1	.0127016	.0123696
Y7206C	55- D7	7	2	.0102371	.0102021
	B(45)BLUE / B(45)GREEN =			1.212	
Y7206C	55- D7	8	1	.0127016	.0123696
Y7206C	55- D7	8	2	.0097187	.0096837
	B(45)BLUE / B(45)GREEN =			1.277	
Y7206C	55- D7	9	1	.0147799	.0144479
Y7206C	55- D7	9	2	.0129139	.0128789
	B(45)BLUE / B(45)GREEN =			1.122	
Y7206C	55- D7	10	1	.0119444	.0116124
Y7206C	55- D7	10	2	.0092004	.0091654
	B(45)BLUE / B(45)GREEN =			1.267	
Y7206C	55- D7	11	1	.0137588	.0134268
Y7206C	55- D7	11	2	.0099779	.0099429
	B(45)BLUE / B(45)GREEN =			1.350	
Y7206C	55- D7	12	1	.0139700	.0136380
Y7206C	55- D7	12	2	.0110893	.0110543
	B(45)BLUE / B(45)GREEN =			1.234	
Y7206C	55- D7	13	1	.0259038	.0255718
Y7206C	55- D7	13	2	.0268315	.0267965
	B(45)BLUE / B(45)GREEN =			.954	
Y7206C	56- D8	1	1	.0453038	.0449718
Y7206C	56- D8	1	2	.0363240	.0362890
	B(45)BLUE / B(45)GREEN =			1.239	
Y7206C	56- D8	2	1	.0335402	.0332082
Y7206C	56- D8	2	2	.0275387	.0275037
	B(45)BLUE / B(45)GREEN =			1.207	
Y7206C	56- D8	3	1	.0300053	.0296733
Y7206C	56- D8	3	2	.0221176	.0220826
	B(45)BLUE / B(45)GREEN =			1.344	
Y7206C	56- D8	4	1	.0170388	.0167068
Y7206C	56- D8	4	2	.0147947	.0147597
	B(45)BLUE / B(45)GREEN =			1.132	
Y7206C	56- D8	5	1	.0127016	.0123696
Y7206C	56- D8	5	2	.0107285	.0106935
	B(45)BLUE / B(45)GREEN =			1.157	
Y7206C	56- D8	6	1	.0157996	.0154676
Y7206C	56- D8	6	2	.0162405	.0162055
	B(45)BLUE / B(45)GREEN =			.954	
Y7206C	56- D8	7	1	.0120820	.0117500
Y7206C	56- D8	7	2	.0079517	.0079167
	B(45)BLUE / B(45)GREEN =			1.484	
Y7206C	56- D8	8	1	.0074997	.0071677
Y7206C	56- D8	8	2	.0112737	.0112387
	B(45)BLUE / B(45)GREEN =			.638	

CRUISE	STA	BOT NO	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y72060	56-D8	9	1	.0281697	.0278377
Y72060	56-D8	9	2	.0238758	.0288408
	B(45)BLUE / B(45)GREEN =			.965	
Y72060	56-D8	10	1	.0130877	.0127557
Y72060	56-D8	10	2	.0097187	.0096837
	B(45)BLUE / B(45)GREEN =			1.317	
Y72060	56-D8	11	1	.0095584	.0092264
Y72060	56-D8	11	2	.0073862	.0073512
	B(45)BLUE / B(45)GREEN =			1.255	
Y72060	56-D8	12	1	.0119113	.0115793
Y72060	56-D8	12	2	.0088236	.0087886
	B(45)BLUE / B(45)GREEN =			1.318	
Y72060	56-D8	13	1	.0164803	.0161483
Y72060	56-D8	13	2	.0131714	.0131364
	B(45)BLUE / B(45)GREEN =			1.229	

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
15	1	6686	3824	512	349830	116423	280289	.770	0E 00	-0.67	16418	.9789	0	08
15	2	5936	3334	450	307394	102561	245601	.676	2.952E-02	-0.67	14537	1.3139	10	08
15	3	6592	3768	576	369187	116243	271050	.812	5.310E-02	-0.63	14673	1.0944	20	08
15	4	4432	1688	310	196361	65457	138292	.432	7.200E-02	-0.67	9261	1.0344	30	08
15	5	2468	990	186	115244	37421	78971	.254	6.365E-02	-0.65	5024	1.0553	40	08
15	6	1688	718	190	103012	28012	51853	.227	3.625E-02	-0.54	2637	1.1702	50	08
15	7	1552	530	126	72029	22326	43579	.158	2.585E-02	-0.62	2731	1.3334	60	08
15	8	732	336	88	47875	12696	23523	.105	3.669E-02	-0.53	1137	1.1570	70	08
15	9	1188	526	108	63364	19142	39572	.139	2.820E-02	-0.60	2224	1.2961	80	08
15	10	1146	552	102	61787	18994	40945	.136	2.937E-02	-0.61	2285	1.2884	90	08
15	11	1112	498	92	56344	17761	38031	.124	4.417E-02	-0.63	2247	1.1534	100	08
15	12	1356	634	126	74401	22373	46940	.164	4.241E-02	-0.60	2576	1.1510	110	08
15	13	1346	758	130	79575	23939	53779	.175	2.278E-02	-0.60	2758	1.3629	120	08
16	1	11760	5136	666	497291	181998	416820	1.094	8.738E-02	-0.73	31038	1.0168	0	07
16	2	11940	5306	682	503382	186087	428136	1.121	6.409E-02	-0.73	31621	1.0835	10	07
16	3	8982	4426	528	400546	145961	346453	.881	3.069E-02	-0.73	24678	1.3296	20	07
16	4	4392	1632	236	172823	63676	139821	.380	5.676E-02	-0.74	11006	1.1220	30	07
16	5	1954	726	156	92015	28955	58501	.202	7.324E-05	-0.63	3650	1.8433	40	07
16	6	1540	582	102	66355	22596	48202	.146	5.837E-02	-0.68	3336	1.0900	50	07
16	7	1464	582	100	64980	21951	47286	.143	5.383E-02	-0.68	3189	1.1114	60	07
16	8	848	414	88	50545	14504	29714	.111	4.270E-02	-0.57	1521	1.1335	70	07
16	9	790	352	100	53527	13774	24400	.118	2.849E-02	-0.51	1161	1.2365	80	07
16	10	1020	406	102	56225	16085	30629	.124	3.054E-02	-0.57	1676	1.2495	90	07
16	11	2106	806	162	98034	31427	64876	.216	6.775E-02	-0.64	4112	1.0388	100	07
16	12	2188	1016	180	111679	35407	77023	.246	4.255E-02	-0.63	4531	1.1673	110	07
16	13	2466	986	196	118315	37553	77982	.260	7.419E-02	-0.63	4817	1.0203	120	07
17	1	28570	12648	2070	1347259	448521	989824	2.964	0E 00	-0.67	63293	.9321	0	06
17	2	17066	8138	2110	1151782	302326	562035	2.534	3.508E-02	-0.52	26521	1.1690	10	06
17	3	8146	3690	676	414799	130722	280906	.913	6.306E-02	-0.63	16530	1.0504	20	06
17	4	3546	1480	206	149197	53891	121284	.328	3.640E-02	-0.72	8953	1.2691	30	06
17	5	1640	524	102	65227	22457	46197	.143	5.046E-02	-0.69	3387	1.1375	40	06
17	6	1556	590	114	70437	23028	48023	.155	5.530E-02	-0.65	3134	1.0934	50	06
17	7	1634	580	116	71394	23510	48380	.157	5.237E-02	-0.66	3246	1.1121	60	06
17	8	854	376	82	47059	13860	28006	.104	2.893E-02	-0.59	1531	1.2779	70	06
17	9	2964	1254	246	148018	46353	97012	.326	5.750E-02	-0.63	5788	1.0712	80	06
17	10	1474	696	138	81470	24438	51350	.179	4.153E-02	-0.60	2800	1.1576	90	06
17	11	842	400	84	48536	14149	29100	.107	2.542E-02	-0.58	1531	1.3180	100	06
17	12	4060	2378	404	254153	81156	179283	.559	0E 00	-0.64	10536	.8001	110	06
18	1	30108	12784	2484	1500114	471138	989213	3.300	0E 00	-0.63	59170	.8606	0	05
18	2	10594	5594	1620	883445	208995	358164	1.944	0E 00	-0.47	14892	9.2454	10	05
18	4	3824	3642	544	379999	134528	298528	.836	6.101E-02	-0.71	21468	1.0882	30	05
18	5	5864	2278	334	229793	79534	179835	.506	5.046E-02	-0.69	12131	1.1401	40	05
18	7	1296	674	122	73799	22288	48738	.162	0E 00	-0.60	2589	9.215*	60	05
19	1	22702	9342	1328	953401	343091	768004	2.097	0E 00	-0.72	56570	.9746	0	04
19	2	15200	7406	1436	852095	255326	542002	1.875	7.068E-02	-0.60	29189	1.0188	10	04
19	3	6308	2816	386	276804	98569	225073	.609	6.248E-02	-0.71	15914	1.0936	20	04
19	4	3720	1690	320	193443	60035	127746	.426	5.295E-02	-0.62	7362	1.0909	30	04
19	5	1752	798	150	80927	28284	60338	.200	6.438E-02	-0.62	3485	1.0431	40	04
19	6	3080	1620	334	132896	54615	113698	.424	5.876E-02	-0.57	5574	1.0504	50	04
19	7	4642	2350	448	266459	79366	170011	.586	0E 00	-0.60	8965	0	60	04

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
19	8	5254	2578	486	291320	88187	189158	.641	0E 00	-0.61	10289	0	70	04
20	1	17604	8042	1534	923679	285193	605715	2.032	6.965E-02	-0.62	34616	1.0262	0	03
20	2	10188	4742	788	503739	163961	362936	1.108	4.050E-02	-0.65	22117	1.1939	10	03
20	3	4764	2086	302	210814	73941	166834	.464	6.951E-02	-0.70	11582	1.0529	20	03
20	4	4002	1694	296	186038	61847	133659	.414	5.779E-02	-0.66	8514	1.0871	30	03
20	5	3592	1690	346	201904	59763	124075	.444	3.230E-02	-0.59	6667	1.2406	40	03
20	6	6866	3526	728	420777	120129	249858	.926	3.787E-02	-0.57	12467	1.1719	50	03
21	1	22378	11368	2722	1513002	403260	781076	3.329	6.145E-02	-0.53	36474	1.0224	0	02
21	2	5952	3144	742	414135	109464	213496	.911	2.878E-02	-0.53	9737	1.2419	10	02
21	3	5474	3472	880	485811	122915	229992	1.069	2.805E-02	-0.51	10018	1.2349	20	02
34	1	16366	7564	1510	891255	268564	562163	1.961	5.808E-02	-0.60	31049	1.0590	0	G2
34	2	16112	7590	1204	785837	259730	582350	1.729	5.354E-02	-0.66	36125	1.1067	10	G2
34	3	8718	4348	712	452520	144850	324844	.996	4.885E-02	-0.64	18897	1.1250	20	G2
34	4	7310	3682	662	403147	123504	269787	.887	5.120E-02	-0.61	14758	1.0973	30	G2
34	5	8890	4462	1050	585793	158268	309398	1.289	2.688E-02	-0.54	14710	1.2745	40	G2
35	1	64276	23136	2664	2305359	928569	2059728	5.072	6.570E-02	-0.81	191812	1.1046	0	G3
35	2	41828	13428	1748	1445335	575760	1243916	3.180	7.698E-02	-0.80	116332	1.0589	10	G3
35	3	8396	3606	402	333539	129512	299355	.734	8.225E-02	-0.78	24863	1.0384	20	G3
35	4	3464	1482	210	149397	53206	119966	.329	3.611E-02	-0.71	8592	1.2675	30	G3
35	5	1668	760	244	129401	30840	50117	.285	1.853E-02	-0.48	2230	1.3560	40	G3
35	6	1468	676	152	86054	24574	49078	.189	4.241E-02	-0.57	2552	1.1335	50	G3
35	7	1954	872	162	99021	31176	66623	.218	4.036E-02	-0.63	3935	1.1833	60	G3
35	8	2720	1274	270	155694	45429	93038	.343	5.823E-02	-0.58	4925	1.0511	70	G3
35	9	966	406	94	53034	15452	30456	.117	2.454E-02	-0.58	1670	1.3291	80	G3
35	10	1364	500	82	55819	19693	42391	.123	4.167E-02	-0.71	3121	1.2125	90	G3
36	1	16088	7390	1214	782546	257035	569566	1.722	0E 00	-0.66	35307	.9650	0	G4
36	2	9644	4614	688	462202	155883	355099	1.017	1.736E-02	-0.67	22576	1.4576	10	G4
36	3	4812	2042	260	198166	73625	167973	.436	5.984E-02	-0.74	12940	1.1081	20	G4
36	4	2410	944	164	106301	35918	77061	.234	6.365E-02	-0.68	5221	1.0649	30	G4
36	5	1902	794	142	89440	29260	62777	.197	3.464E-02	-0.65	3987	1.2512	40	G4
36	6	1416	608	124	73229	22430	46399	.161	4.973E-02	-0.61	2679	1.1057	50	G4
36	7	2340	1006	156	105224	36131	80299	.231	4.578E-02	-0.69	5424	1.1701	60	G4
36	8	1252	600	142	79116	21705	42335	.174	3.171E-02	-0.55	2080	1.2205	70	G4
36	9	1038	450	78	48524	16212	35201	.109	5.413E-02	-0.65	2212	1.1003	80	G4
36	10	742	356	74	42875	12513	25851	.094	0E 00	-0.58	1357	.9981	90	G4
36	11	730	356	72	42061	12358	25829	.093	2.761E-02	-0.59	1358	1.2937	100	G4
36	12	1134	442	68	47270	16777	36797	.104	4.153E-02	-0.71	2691	1.2157	110	G4
36	13	1412	626	102	66518	22175	48995	.146	4.929E-02	-0.67	3138	1.1354	120	G4
37	1	10186	5096	582	451714	166548	398608	.994	2.043E-02	-0.74	28827	1.4429	0	G5
37	2	9670	4162	554	408744	148778	338692	.899	5.076E-02	-0.73	25097	1.1550	10	G5
37	3	2792	1128	198	126761	42235	90710	.279	3.010E-02	-0.67	5970	1.3072	20	G5
37	4	1614	612	130	76824	24127	48961	.169	1.392E-03	-0.63	3030	1.5674	30	G5
37	5	1204	554	114	66545	19810	41001	.146	1.311E-02	-0.60	2235	1.4831	40	G5
37	6	1226	470	102	59618	18480	37255	.131	2.688E-02	-0.62	2261	1.3138	50	G5
37	7	1044	486	110	62179	17636	35190	.137	3.318E-02	-0.57	1806	1.2157	60	G5
37	8	1304	638	124	73480	21962	46594	.162	3.303E-02	-0.60	2498	1.2364	70	G5
37	9	840	342	76	43657	13111	26253	.096	3.186E-02	-0.60	1506	1.2508	80	G5
37	10	886	424	86	50274	14853	30975	.111	5.457E-02	-0.59	1651	1.0698	90	G5
37	11	760	378	70	42139	12812	27682	.093	3.040E-02	-0.61	1504	1.2720	100	G5
37	12	570	298	70	33095	10402	20341	.086	2.380E-02	-0.53	938	1.3101	110	G5

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37	13	644	274	58	33782	10210	20838	.074	5.339E-02	-0.60	1187	1.0813	120	G5
38	1	11688	5544	650	504413	187054	440892	1.110	7.756E-02	-0.74	32752	1.0409	0	G6
38	2	11292	5514	662	501569	182826	432737	1.103	4.080E-02	-0.73	30929	1.2316	10	G6
38	3	11142	5216	686	497613	177467	411435	1.095	0E 00	-0.71	28740	.9533	20	G6
38	4	5222	3144	618	360261	99132	212309	.793	0E 00	-0.55	9557	.9111	30	G6
38	5	1890	762	152	91482	28912	60008	.201	1.545E-02	-0.63	3677	1.4661	40	G6
38	6	1614	640	98	67932	24051	52924	.150	3.069E-02	-0.71	3832	1.3197	50	G6
38	7	1248	464	108	61575	18703	36775	.135	3.054E-02	-0.61	2197	1.2706	60	G6
38	8	1532	630	124	74839	23630	49307	.165	4.270E-02	-0.63	2999	1.1656	70	G6
38	9	862	554	98	58731	16592	37390	.129	5.354E-02	-0.57	1686	1.0636	80	G6
38	10	690	282	94	48954	11987	19336	.108	3.201E-02	-0.49	915	1.1765	90	G6
38	11	720	334	52	34383	11508	25851	.076	6.599E-02	-0.67	1641	1.0539	100	G6
38	12	688	312	42	30313	10818	24841	.067	2.161E-02	-0.71	1754	1.4273	110	G6
38	13	526	206	66	34369	8757	14625	.076	3.230E-02	-0.51	724	1.1874	120	G6
39	1	9690	5060	684	474718	161988	382174	1.044	0E 00	-0.68	24015	0	0	G7
39	2	10708	4774	612	457408	167106	384840	1.006	0E 00	-0.73	28397	0	10	G7
39	3	7850	4030	560	384415	130433	305123	.846	0E 00	-0.68	19119	0	20	G7
39	4	2048	1004	186	112288	34268	73930	.247	0E 00	-0.61	4064	0	30	G8
39	5	1264	590	154	83885	22134	41046	.185	0E 00	-0.53	1962	0	40	G8
39	6	1218	482	92	56713	18376	38573	.125	0E 00	-0.65	2456	0	50	G8
39	7	690	256	64	36522	10453	19990	.078	0E 00	-0.59	1152	0	60	G8
39	8	684	250	70	37489	10515	19119	.082	0E 00	-0.56	1053	0	70	G8
39	9	640	266	100	52157	11825	17265	.115	0E 00	-0.45	774	0	80	G8
39	10	792	286	62	36595	11583	23316	.081	0E 00	-0.63	1477	0	90	G8
39	11	694	318	94	50176	12491	21502	.110	0E 00	-0.50	986	0	100	G8
39	12	584	268	70	38104	10120	18778	.084	0E 00	-0.53	909	0	110	G8
39	13	504	296	60	34711	9498	20029	.076	0E 00	-0.55	906	0	120	G8
50	1	11354	6940	1606	907714	228186	448682	1.997	2.908E-02	-0.50	18360	1.2195	0	D2
50	2	8308	4654	994	567746	154200	316595	1.249	5.046E-02	-0.54	14483	1.0683	10	D2
50	3	13748	6696	1864	1017286	246690	435109	2.238	7.324E-05	-0.48	18471	1.7308	20	D2
51	1	14368	8132	1280	850390	287605	640085	1.871	5.779E-02	-0.68	41886	1.0911	0	D3
51	2	13746	6774	1008	673431	225181	515727	1.482	6.746E-02	-0.67	32057	1.0485	10	D3
51	3	6624	3246	528	337723	109046	244382	.743	4.167E-02	-0.65	14475	1.1813	20	D3
51	4	3080	1452	256	158783	50189	109511	.349	3.289E-02	-0.63	6384	1.2583	30	D3
51	5	4182	1960	396	232306	69276	144506	.511	3.640E-02	-0.60	7844	1.2003	40	D3
51	6	6352	2920	600	350461	104432	216253	.771	4.885E-02	-0.60	11807	1.1032	50	D3
52	1	58544	26934	4112	2752479	931910	2097284	6.055	0E 00	-0.68	135621	.9893	0	D4
52	2	8304	4256	598	395763	137479	324850	.871	0E 00	-0.69	21123	.1226	10	D4
52	3	3990	1598	212	160263	59640	133960	.353	5.911E-02	-0.74	10516	1.1125	20	D4
52	4	4418	1770	230	176213	66066	148708	.388	6.497E-02	-0.75	11824	1.0867	30	D4
52	5	4966	1962	356	225130	74534	159466	.495	6.833E-02	-0.66	10402	1.0436	40	D4
52	6	1368	528	106	64084	20496	42346	.141	4.153E-02	-0.64	2669	1.1789	50	D4
52	7	1280	640	112	69058	21464	47248	.152	3.303E-02	-0.62	2640	1.2498	60	D4
52	8	3244	2496	406	261138	85131	190017	.575	4.329E-02	-0.65	11520	1.1717	70	D4
53	1	20342	10512	1932	1162617	349512	759820	2.558	4.153E-02	-0.60	40218	1.1582	0	D5
53	2	20950	9210	1310	922954	325541	737125	2.030	7.771E-02	-0.71	51567	1.0305	10	D5
53	3	7842	3608	468	341496	122122	284161	.751	0E 00	-0.72	19885	.6185	20	D5
53	4	3508	1614	210	154082	55462	128318	.339	7.668E-02	-0.72	9149	1.0373	30	D5
53	5	1728	756	156	91476	27690	57105	.201	4.050E-02	-0.61	3230	1.1688	40	D5
53	6	1366	590	118	69786	21181	44244	.154	1.516E-02	-0.61	2484	1.4626	50	D5

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
53	7	3678	1500	302	180674	56651	117331	.397	3.552E-02	-0.63	7091	1.2278	60	05
53	8	3660	1616	344	199118	59237	120831	.438	5.178E-02	-0.59	6675	1.0856	70	05
53	9	3640	1560	312	183102	58801	125454	.416	4.622E-02	-0.62	7239	1.1332	80	05
54	1	18890	8186	1592	936500	279243	586030	2.065	5.837E-02	-0.59	30143	1.0515	0	06
54	2	30438	12710	1876	1311455	463193	1033603	2.885	4.197E-02	-0.71	73568	1.2100	10	06
54	3	15684	7758	1266	807132	259452	581729	1.776	0E 00	-0.64	34135	.9853	20	06
54	4	4546	2128	332	218849	72975	164077	.481	5.896E-02	-0.67	10331	1.0813	30	06
54	5	4022	1774	350	208800	64295	134709	.459	4.021E-02	-0.62	7762	1.1766	40	06
54	6	2038	964	160	102026	33049	73333	.224	0E 00	-0.65	4415	.6996	50	06
54	7	1768	676	114	75541	26025	56022	.166	2.820E-02	-0.69	3933	1.3338	60	06
54	8	2478	922	200	117447	36738	74108	.258	4.783E-02	-0.63	4596	1.1252	70	06
54	9	1122	440	118	63829	17796	32884	.140	3.948E-02	-0.56	1761	1.1492	80	06
54	10	1900	740	110	74079	28083	61906	.172	3.376E-02	-0.72	4626	1.2938	90	06
54	11	2782	1338	214	138511	45318	101719	.305	5.383E-02	-0.65	6177	1.1022	100	06
54	12	972	404	84	49428	15182	31148	.109	3.625E-02	-0.61	1824	1.2125	110	06
55	1	13684	7332	1010	653753	231698	547425	1.517	0E 00	-0.67	33288	.8418	0	07
55	2	12668	6874	992	659647	216526	507707	1.451	0E 00	-0.66	29704	.8636	10	07
55	3	7930	5044	1402	796224	176732	304572	1.749	3.787E-02	-0.44	11114	1.6921	20	07
55	4	6506	3004	860	471852	110713	190503	1.038	3.992E-02	-0.47	7761	1.0918	30	07
55	5	1932	888	142	92151	30776	68851	.203	5.588E-02	-0.67	4371	1.0969	40	07
55	6	1646	554	116	70529	23187	47024	.155	2.952E-02	-0.66	3191	1.3082	50	07
55	7	1722	640	134	79971	25443	51819	.176	3.757E-02	-0.64	3279	1.2125	60	07
55	8	1282	558	148	80208	21539	39857	.176	2.644E-02	-0.54	1991	1.2774	70	07
55	9	892	412	100	55378	15221	29340	.122	4.241E-02	-0.55	1464	1.1218	80	07
55	10	1138	496	94	57164	17987	38132	.126	3.186E-02	-0.63	2268	1.2670	90	07
55	11	992	460	90	55524	16256	34275	.118	2.395E-02	-0.61	1909	1.3504	100	07
55	12	1426	566	96	62841	21349	46108	.139	3.787E-02	-0.68	3137	1.2337	110	07
55	13	1820	834	128	85516	28900	64993	.188	0E 00	-0.68	4203	.9543	120	07
56	1	10138	5590	598	463522	172403	425733	1.033	4.021E-02	-0.73	29596	1.2393	0	08
56	2	9014	4880	648	443615	152966	364948	.989	4.080E-02	-0.68	22543	1.2074	10	08
56	3	6122	3464	616	371793	109830	243770	.818	2.380E-02	-0.59	12203	1.3437	20	08
56	4	4576	2262	406	248058	76548	166980	.546	4.607E-02	-0.62	9281	1.1319	30	08
56	5	2740	1068	140	107604	40531	90676	.237	5.222E-02	-0.75	7322	1.1567	40	08
56	6	1418	504	86	57678	20229	43088	.127	0E 00	-0.70	3168	.9545	50	08
56	7	1122	414	88	52220	16548	33537	.115	1.384E-02	-0.63	2116	1.4842	60	08
56	8	918	368	44	35639	13763	31187	.078	0E 00	-0.77	2613	.6378	70	08
56	9	832	358	64	40082	12985	27950	.088	0E 00	-0.65	1735	.9652	80	08
56	10	798	362	80	45591	13199	26549	.100	2.542E-02	-0.58	1409	1.3172	90	08
56	11	732	362	86	47867	12947	25192	.105	2.834E-02	-0.54	1206	1.2551	100	08
56	12	944	394	78	46843	14679	30607	.103	2.747E-02	-0.63	1835	1.3175	110	08

THIS ENDS DATA FOR CRUISE Y7206C

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
71	1	32466	19326	5640	3157729	703258	1176551	6.947	0E 00	-0.45	44412	.9574	0	G2
71	2	13906	6670	1398	807713	234842	483561	1.777	2.190E-02	-0.58	25277	1.3639	10	G2
71	3	7020	3378	590	366268	115436	253146	.806	0E 00	-0.63	14600	.8964	20	G2
71	4	4530	2324	456	268075	78417	166344	.590	1.033E-02	-0.59	8543	1.5114	30	G2
71	5	4732	2076	346	223526	74079	162608	.492	7.324E-05	-0.66	10359	1.7105	40	G2
73	1	19198	12156	2312	1661294	394059	755148	3.655	3.113E-02	-0.47	28229	1.1758	0	G3
73	2	13264	7532	1552	894402	245977	513954	1.968	3.625E-02	-0.55	23688	1.1733	10	G3
73	3	6590	2878	476	299522	94453	212157	.659	1.794E-02	-0.63	11959	1.4365	20	G3
73	4	2118	998	186	112608	34751	74556	.248	4.856E-02	-0.62	4214	1.1152	30	G3
73	5	1894	910	154	97020	31009	68594	.213	3.582E-02	-0.64	4033	1.2313	40	G3
73	6	2790	1254	206	133387	44123	97487	.293	2.761E-02	-0.66	6147	1.3326	50	G3
73	7	2902	1266	212	135805	44493	97922	.299	4.006E-02	-0.66	6081	1.2008	60	G3
73	8	1516	682	136	80568	24522	51261	.177	3.259E-02	-0.61	2892	1.2484	70	G3
73	9	2756	1290	208	134821	44354	98978	.297	4.329E-02	-0.66	6112	1.1748	80	G3
73	10	2486	1294	252	148357	43319	92251	.326	3.845E-02	-0.58	4702	1.1744	90	G3
73	11	2318	1086	190	118385	37622	82214	.260	3.157E-02	-0.64	4838	1.2745	100	G3
75	1	24336	13460	2100	1340851	423188	976161	2.950	3.494E-02	-0.63	53672	1.2362	0	G4
75	2	14132	6178	1278	748733	226452	466585	1.647	3.435E-02	-0.60	26374	1.2272	10	G4
75	3	4194	1862	406	232844	68374	138203	.512	3.391E-02	-0.59	7507	1.2209	20	G4
75	4	1834	788	162	95350	29095	60025	.210	0E 00	-0.61	3449	.9845	30	G4
75	5	1686	750	132	82776	26698	57909	.182	3.083E-02	-0.65	3536	1.2867	40	G4
75	6	2198	966	162	104288	34455	75538	.229	3.625E-02	-0.66	4788	1.2386	50	G4
75	7	2098	1014	162	104809	34252	76956	.231	3.186E-02	-0.65	4658	1.2811	60	G4
75	8	1484	626	124	74328	23202	48403	.164	2.644E-02	-0.62	2878	1.3274	70	G4
75	9	1708	806	142	88090	27843	60773	.194	4.475E-02	-0.63	3542	1.1491	80	G4
75	10	1594	694	152	87187	25731	51892	.192	3.816E-02	-0.59	2854	1.1806	90	G4
75	11	1972	916	154	97927	31741	70034	.215	4.563E-02	-0.65	4246	1.1519	100	G4
75	12	3130	1434	236	152068	49953	110605	.335	3.582E-02	-0.66	6863	1.2409	110	G4
75	13	1472	678	148	84598	24497	49542	.186	1.926E-02	-0.58	2615	1.3987	120	G4
76	1	16080	9204	1642	988872	290470	644723	2.176	2.937E-02	-0.59	31910	1.2719	0	G5
76	2	8050	4734	1040	591026	155190	314346	1.300	3.684E-02	-0.53	13623	1.1521	10	G5
76	3	4138	4936	1088	618905	160184	323931	1.362	3.625E-02	-0.52	13662	1.1531	20	G5
76	4	2762	1392	336	186408	49638	95751	.410	3.494E-02	-0.53	4481	1.1749	30	G5
76	5	1836	842	194	103034	30823	60896	.240	3.772E-02	-0.57	3136	1.1702	40	G5
76	6	1624	772	136	84269	26570	58043	.185	3.992E-02	-0.63	3363	1.1885	50	G5
76	7	1484	672	134	79320	24087	50373	.175	3.382E-02	-0.61	2828	1.2365	60	G5
76	8	1510	590	118	71311	22751	47091	.157	5.002E-02	-0.64	2948	1.1162	70	G5
76	9	1142	430	104	60112	18055	36524	.132	0E 00	-0.60	2074	.9196	80	G5
76	10	1766	550	96	61667	20623	44333	.136	4.622E-02	-0.67	2935	1.1573	90	G5
76	11	1144	484	80	62387	17630	38645	.115	3.948E-02	-0.67	2542	1.2152	100	G5
76	12	1020	458	108	60336	17003	33242	.133	4.636E-02	-0.56	1719	1.1462	110	G5
76	13	998	458	100	57172	16575	33515	.126	3.479E-02	-0.59	1774	1.2075	120	G5
77	1	7476	5156	1342	772934	171989	309156	1.700	2.206E-02	-0.45	10842	1.2749	0	G6
77	2	5016	3340	836	476582	110366	205103	1.048	2.834E-02	-0.46	7536	1.1991	10	G6
77	3	4622	2512	802	442057	97358	153538	.973	5.779E-02	-0.44	6013	1.0037	20	G6
77	4	2576	1462	486	273188	57403	86373	.601	2.688E-02	-0.42	3227	1.1835	30	G6
77	5	2088	1008	308	165183	39457	65870	.363	4.270E-02	-0.48	2866	1.0787	40	G6
77	6	1838	806	216	117488	29917	54426	.258	1.355E-02	-0.51	2470	1.4504	50	G6
77	7	1350	596	148	85559	25312	51685	.188	3.406E-02	-0.59	2821	1.2224	60	G6
77	8	1106	412	104	57507	16822	32036	.127	4.197E-02	-0.59	1833	1.1448	70	G6

CRUISE Y7207A

5-9 July 1972

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	71-G2	1	0	2	.1486840	.1486490
Y7207A	71-G2	1	0	1	.1426427	.1423107
	B(45) BLUE / B(45) GREEN =				.957	
Y7207A	71-G2	2	10	2	.0717402	.0717052
Y7207A	71-G2	2	10	1	.0981295	.0977975
	B(45) BLUE / B(45) GREEN =				1.364	
Y7207A	71-G2	3	20	2	.0779247	.0778897
Y7207A	71-G2	3	20	1	.0701522	.0698202
	B(45) BLUE / B(45) GREEN =				.896	
Y7207A	71-G2	4	30	2	.0307598	.0307248
Y7207A	71-G2	4	30	1	.0467681	.0464361
	B(45) BLUE / B(45) GREEN =				1.511	
Y7207A	71-G2	5	40	2	.0343786	.0343436
Y7207A	71-G2	5	40	1	.0590755	.0587435
	B(45) BLUE / B(45) GREEN =				1.710	
Y7207A	73-G3	1	0	2	.0779247	.0778897
Y7207A	73-G3	1	0	1	.0919155	.0915835
	B(45) BLUE / B(45) GREEN =				1.176	
Y7207A	73-G3	2	10	2	.0264501	.0264151
Y7207A	73-G3	2	10	1	.0313258	.0309938
	B(45) BLUE / B(45) GREEN =				1.173	
Y7207A	73-G3	3	20	2	.0158463	.0158113
Y7207A	73-G3	3	20	1	.0230452	.0227132
	B(45) BLUE / B(45) GREEN =				1.437	
Y7207A	73-G3	4	30	2	.0100235	.0099885
Y7207A	73-G3	4	30	1	.0114714	.0111394
	B(45) BLUE / B(45) GREEN =				1.115	
Y7207A	73-G3	5	40	2	.0109215	.0108865
Y7207A	73-G3	5	40	1	.0137366	.0134046
	B(45) BLUE / B(45) GREEN =				1.231	
Y7207A	73-G3	6	50	2	.0163088	.0162738
Y7207A	73-G3	6	50	1	.0220187	.0216867
	B(45) BLUE / B(45) GREEN =				1.333	
Y7207A	73-G3	7	60	2	.0147050	.0146700
Y7207A	73-G3	7	60	1	.0179474	.0176154
	B(45) BLUE / B(45) GREEN =				1.201	
Y7207A	73-G3	8	70	2	.0123937	.0123587
Y7207A	73-G3	8	70	1	.0157612	.0154292
	B(45) BLUE / B(45) GREEN =				1.248	
Y7207A	73-G3	9	80	2	.0191651	.0191301
Y7207A	73-G3	9	80	1	.0228067	.0224747
	B(45) BLUE / B(45) GREEN =				1.175	
Y7207A	73-G3	10	90	2	.0158394	.0158044
Y7207A	73-G3	10	90	1	.0188925	.0185605
	B(45) BLUE / B(45) GREEN =				1.174	
Y7207A	73-G3	11	100	2	.0166339	.0165989
Y7207A	73-G3	11	100	1	.0214869	.0211549
	B(45) BLUE / B(45) GREEN =				1.274	
Y7207A	75-G4	1	0	2	.0719041	.0718691
Y7207A	75-G4	1	0	1	.0891744	.0888424
	B(45) BLUE / B(45) GREEN =				1.236	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	75-G4	2	10	2	.0280997	.0280647
Y7207A	75-G4	2	10	1	.0347730	.0344410
	B(45) BLUE / B(45) GREEN =				1.227	
Y7207A	75-G4	3	20	2	.0150748	.0150398
Y7207A	75-G4	3	20	1	.0186946	.0183626
	B(45) BLUE / B(45) GREEN =				1.221	
Y7207A	75-G4	4	30	2	.0099502	.0099152
Y7207A	75-G4	4	30	1	.0100936	.0097616
	B(45) BLUE / B(45) GREEN =				.985	
Y7207A	75-G4	5	40	2	.0085774	.0085424
Y7207A	75-G4	5	40	1	.0113239	.0109919
	B(45) BLUE / B(45) GREEN =				1.287	
Y7207A	75-G4	6	50	2	.0103773	.0103423
Y7207A	75-G4	6	50	1	.0131419	.0128099
	B(45) BLUE / B(45) GREEN =				1.239	
Y7207A	75-G4	7	60	2	.0104780	.0104430
Y7207A	75-G4	7	60	1	.0137105	.0133785
	B(45) BLUE / B(45) GREEN =				1.281	
Y7207A	75-G4	8	70	2	.0093933	.0093583
Y7207A	75-G4	8	70	1	.0127546	.0124226
	B(45) BLUE / B(45) GREEN =				1.327	
Y7207A	75-G4	9	80	2	.0118992	.0118642
Y7207A	75-G4	9	80	1	.0139658	.0136338
	B(45) BLUE / B(45) GREEN =				1.149	
Y7207A	75-G4	10	90	2	.0116503	.0116153
Y7207A	75-G4	10	90	1	.0140452	.0137132
	B(45) BLUE / B(45) GREEN =				1.181	
Y7207A	75-G4	11	100	2	.0121333	.0120983
Y7207A	75-G4	11	100	1	.0142680	.0139360
	B(45) BLUE / B(45) GREEN =				1.152	
Y7207A	75-G4	12	110	2	.0199858	.0199508
Y7207A	75-G4	12	110	1	.0250891	.0247571
	B(45) BLUE / B(45) GREEN =				1.241	
Y7207A	75-G4	13	120	2	.0132221	.0131871
Y7207A	75-G4	13	120	1	.0187771	.0184451
	B(45) BLUE / B(45) GREEN =				1.399	
Y7207A	76-G5	1	0	2	.0555622	.0555272
Y7207A	76-G5	1	0	1	.0709585	.0706265
	B(45) BLUE / B(45) GREEN =				1.272	
Y7207A	76-G5	2	10	2	.0296920	.0296570
Y7207A	76-G5	2	10	1	.0345085	.0341685
	B(45) BLUE / B(45) GREEN =				1.152	
Y7207A	76-G5	3	20	2	.0368205	.0367855
Y7207A	76-G5	3	20	1	.0427502	.0424182
	B(45) BLUE / B(45) GREEN =				1.153	
Y7207A	76-G5	4	30	2	.0115680	.0115330
Y7207A	76-G5	4	30	1	.0138818	.0135498
	B(45) BLUE / B(45) GREEN =				1.175	
Y7207A	76-G5	5	40	2	.0099286	.0098936
Y7207A	76-G5	5	40	1	.0119092	.0115772
	B(45) BLUE / B(45) GREEN =				1.170	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	76-G5	6	50	2	.0119789	.0119439
Y7207A	76-G5	6	50	1	.0145270	.0141950
	B(45) BLUE / B(45) GREEN =				1.188	
Y7207A	76-G5	7	60	2	.0105406	.0105056
Y7207A	76-G5	7	60	1	.0133225	.0129905
	B(45) BLUE / B(45) GREEN =				1.237	
Y7207A	76-G5	8	70	2	.0114577	.0114227
Y7207A	76-G5	8	70	1	.0130815	.0127495
	B(45) BLUE / B(45) GREEN =				1.116	
Y7207A	76-G5	9	80	2	.7332156	.7331806
Y7207A	76-G5	9	80	1	.0146723	.0143403
	B(45) BLUE / B(45) GREEN =				.020	
Y7207A	76-G5	10	90	2	.0114929	.0114579
Y7207A	76-G5	10	90	1	.0135918	.0132598
	B(45) BLUE / B(45) GREEN =				1.157	
Y7207A	76-G5	11	100	2	.0093163	.0092813
Y7207A	76-G5	11	100	1	.0116107	.0112787
	B(45) BLUE / B(45) GREEN =				1.215	
Y7207A	76-G5	12	110	2	.0095042	.0094692
Y7207A	76-G5	12	110	1	.0111855	.0108535
	B(45) BLUE / B(45) GREEN =				1.146	
Y7207A	76-G5	13	120	2	.0137070	.0136720
Y7207A	76-G5	13	120	1	.0168406	.0165086
	B(45) BLUE / B(45) GREEN =				1.207	
Y7206A	77-G6	1	0	2	.0532129	.0531779
Y7206A	77-G6	1	0	1	.0681285	.0677965
	B(45) BLUE / B(45) GREEN =				1.275	
Y7206A	77-G6	2	10	2	.0290891	.0290541
Y7206A	77-G6	2	10	1	.0351718	.0348398
	B(45) BLUE / B(45) GREEN =				1.199	
Y7206A	77-G6	3	20	2	.0159319	.0158969
Y7206A	77-G6	3	20	1	.0162875	.0159555
	B(45) BLUE / B(45) GREEN =				1.004	
Y7206A	77-G6	4	30	2	.0114839	.0114489
Y7206A	77-G6	4	30	1	.0138818	.0135498
	B(45) BLUE / B(45) GREEN =				1.184	
Y7206A	77-G6	5	40	2	.0117346	.0116996
Y7206A	77-G6	5	40	1	.0129530	.0126210
	B(45) BLUE / B(45) GREEN =				1.079	
Y7206A	77-G6	6	50	2	.0101297	.0100947
Y7206A	77-G6	6	50	1	.0149729	.0146409
	B(45) BLUE / B(45) GREEN =				1.450	
Y7207A	77-G6	7	60	2	.0091023	.0090673
Y7207A	77-G6	7	60	1	.0114161	.0110841
	B(45) BLUE / B(45) GREEN =				1.222	
Y7207A	77-G6	8	70	2	.0101478	.0101128
Y7207A	77-G6	8	70	1	.0119092	.0115772
	B(45) BLUE / B(45) GREEN =				1.145	
Y7207A	77-G6	9	80	2	.0077066	.0076716
Y7207A	77-G6	9	80	1	.0097436	.0094116
	B(45) BLUE / B(45) GREEN =				1.227	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	77-G6	10	90	2	.0085114	.0084764
Y7207A	77-G6	10	90	1	.0116361	.0113041
	B(45)BLUE / B(45)GREEN =				1.334	
Y7207A	77-G6	11	100	2	.0089840	.0089490
Y7207A	77-G6	11	100	1	.0111695	.0108375
	B(45)BLUE / B(45)GREEN =				1.211	
Y7207A	77-G6	12	110	2	.0091151	.0090801
Y7207A	77-G6	12	110	1	.0111257	.0107937
	B(45)BLUE / B(45)GREEN =				1.189	
Y7207A	77-G6	13	120	2	.0143912	.0143562
Y7207A	77-G6	13	120	1	.0169929	.0166609
	B(45)BLUE / B(45)GREEN =				1.161	
Y7207A	78-G7	1	0	2	.0484676	.0484326
Y7207A	78-G7	1	0	1	.0598767	.0595447
	B(45)BLUE / B(45)GREEN =				1.229	
Y7207A	78-G7	2	10	2	.0412914	.0412564
Y7207A	78-G7	2	10	1	.0534115	.0530795
	B(45)BLUE / B(45)GREEN =				1.287	
Y7207A	78-G7	3	20	2	.1129264	.1128914
Y7207A	78-G7	3	20	1	.1461200	.1457880
	B(45)BLUE / B(45)GREEN =				1.291	
Y7207A	78-G7	4	30	2	.0120569	.0120219
Y7207A	78-G7	4	30	1	.0148680	.0145360
	B(45)BLUE / B(45)GREEN =				1.209	
Y7207A	78-G7	5	40	2	.0174506	.0174156
Y7207A	78-G7	5	40	1	.0109230	.0105910
	B(45)BLUE / B(45)GREEN =				.608	
Y7207A	78-G7	6	50	2	.0082804	.0082454
Y7207A	78-G7	6	50	1	.0116627	.0113307
	B(45)BLUE / B(45)GREEN =				1.374	
Y7207A	78-G7	7	60	2	.0076640	.0076290
Y7207A	78-G7	7	60	1	.0096901	.0093581
	B(45)BLUE / B(45)GREEN =				1.227	
Y7207A	78-G7	8	70	2	.0093078	.0092728
Y7207A	78-G7	8	70	1	.0128955	.0125635
	B(45)BLUE / B(45)GREEN =				1.355	
Y7207A	78-G7	9	80	2	.0078296	.0077946
Y7207A	78-G7	9	80	1	.0092556	.0089236
	B(45)BLUE / B(45)GREEN =				1.145	
Y7207A	78-G7	10	90	2	.0079637	.0079287
Y7207A	78-G7	10	90	1	.0080977	.0077657
	B(45)BLUE / B(45)GREEN =				.979	
Y7207A	78-G7	11	100	2	.0066367	.0066017
Y7207A	78-G7	11	100	1	.0084573	.0081253
	B(45)BLUE / B(45)GREEN =				1.231	
Y7207A	78-G7	12	110	2	.0088968	.0088618
Y7207A	78-G7	12	110	1	.0116107	.0112787
	B(45)BLUE / B(45)GREEN =				1.273	
Y7207A	78-G7	13	120	2	.0079078	.0078728
Y7207A	78-G7	13	120	1	.0106724	.0103404
	B(45)BLUE / B(45)GREEN =				1.313	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	85-D2	1	0	2	.0674506	.0674156
Y7207A	85-D2	1	0	1	.0745517	.0742197
	B(45) BLUE / B(45) GREEN =				1.101	
Y7207A	85-D2	2	10	2	.0841516	.0841166
Y7207A	85-D2	2	10	1	.0793709	.0790389
	B(45) BLUE / B(45) GREEN =				.940	
Y7207A	85-D2	3	20	2	.0960468	.0960118
Y7207A	85-D2	3	20	1	.0972689	.0969369
	B(45) BLUE / B(45) GREEN =				1.010	
Y7207A	88-D3	1	0	2	.0974059	.0973709
Y7207A	88-D3	1	0	1	.0956620	.0953300
	B(45) BLUE / B(45) GREEN =				.979	
Y7207A	88-D3	2	10	2	.0530551	.0530201
Y7207A	88-D3	2	10	1	.0579034	.0575714
	B(45) BLUE / B(45) GREEN =				1.086	
Y7207A	88-D3	3	20	2	.0335160	.0334810
Y7207A	88-D3	3	20	1	.0356328	.0353008
	B(45) BLUE / B(45) GREEN =				1.054	
Y7207A	88-D3	5	30	2	.0260685	.0260335
Y7207A	88-D3	5	30	1	.0242357	.0239037
	B(45) BLUE / B(45) GREEN =				.918	
Y7207A	88-D3	7	40	2	.0238215	.0237865
Y7207A	88-D3	7	40	1	.0299961	.0296641
	B(45) BLUE / B(45) GREEN =				1.247	
Y7207A	88-D3	9	50	2	.0348174	.0347824
Y7207A	88-D3	9	50	1	.0425165	.0421845
	B(45) BLUE / B(45) GREEN =				1.213	
Y7207A	90-D4	1	0	2	.0779247	.0778897
Y7207A	90-D4	1	0	1	.0798480	.0795160
	B(45) BLUE / B(45) GREEN =				1.021	
Y7207A	90-D4	2	10	2	.0588765	.0588415
Y7207A	90-D4	2	10	1	.0631369	.0628049
	B(45) BLUE / B(45) GREEN =				1.067	
Y7207A	90-D4	3	20	2	.0173790	.0173440
Y7207A	90-D4	3	20	1	.0184402	.0181082
	B(45) BLUE / B(45) GREEN =				1.044	
Y7207A	90-D4	5	30	2	.0151004	.0150654
Y7207A	90-D4	5	30	1	.0172708	.0169388
	B(45) BLUE / B(45) GREEN =				1.124	
Y7207A	90-D4	7	40	2	.0159027	.0158677
Y7207A	90-D4	7	40	1	.0180114	.0176794
	B(45) BLUE / B(45) GREEN =				1.114	
Y7207A	90-D4	9	50	2	.0324770	.0324420
Y7207A	90-D4	9	50	1	.0377186	.0373866
	B(45) BLUE / B(45) GREEN =				1.152	
Y7207A	90-D4	11	60	2	.0287296	.0286946
Y7207A	90-D4	11	60	1	.0352041	.0348721
	B(45) BLUE / B(45) GREEN =				1.215	
Y7207A	90-D4	13	70	2	.0300818	.0300468
Y7207A	90-D4	13	70	1	.0377186	.0373866
	B(45) BLUE / B(45) GREEN =				1.244	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	91-05	1	0	2	.0878726	.0878376
Y7207A	91-05	1	0	1	.0935362	.0932042
	B(45)BLUE / B(45)GREEN =				1.061	
Y7207A	91-05	2	10	2	.0848514	.0848164
Y7207A	91-05	2	10	1	.0935362	.0932042
	B(45)BLUE / B(45)GREEN =				1.099	
Y7207A	91-05	3	20	2	.0531305	.0530955
Y7207A	91-05	3	20	1	.0537833	.0534513
	B(45)BLUE / B(45)GREEN =				1.007	
Y7207A	91-05	5	30	2	.0146133	.0145783
Y7207A	91-05	5	30	1	.0168596	.0165276
	B(45)BLUE / B(45)GREEN =				1.134	
Y7207A	91-05	7	40	2	.0119064	.0118714
Y7207A	91-05	7	40	1	.0159529	.0156209
	B(45)BLUE / B(45)GREEN =				1.316	
Y7207A	91-05	9	50	2	.0131090	.0130740
Y7207A	91-05	9	50	1	.0144091	.0140771
	B(45)BLUE / B(45)GREEN =				1.077	
Y7207A	91-05	11	60	2	.0137537	.0137187
Y7207A	91-05	11	60	1	.0174968	.0171648
	B(45)BLUE / B(45)GREEN =				1.251	
Y7207A	91-05	13	70	2	.0178597	.0178247
Y7207A	91-05	13	70	1	.0226429	.0223109
	B(45)BLUE / B(45)GREEN =				1.252	
Y7207A	93-06	1	0	2	.0628425	.0628075
Y7207A	93-06	1	0	1	.0718632	.0715312
	B(45)BLUE / B(45)GREEN =				1.139	
Y7207A	93-06	2	10	2	.0502740	.0502390
Y7207A	93-06	2	10	1	.0524715	.0521395
	B(45)BLUE / B(45)GREEN =				1.038	
Y7207A	93-06	3	20	2	.0171307	.0170957
Y7207A	93-06	3	20	1	.0210745	.0207425
	B(45)BLUE / B(45)GREEN =				1.213	
Y7207A	93-06	5	30	2	.0101969	.0101619
Y7207A	93-06	5	30	1	.0130758	.0127438
	B(45)BLUE / B(45)GREEN =				1.254	
Y7207A	93-06	7	40	2	.0079152	.0078802
Y7207A	93-06	7	40	1	.0098348	.0095028
	B(45)BLUE / B(45)GREEN =				1.206	
Y7207A	93-06	9	50	2	.0106047	.0105697
Y7207A	93-06	9	50	1	.0136985	.0133665
	B(45)BLUE / B(45)GREEN =				1.265	
Y7207A	93-06	11	60	2	.0120748	.0120398
Y7207A	93-06	11	60	1	.0145845	.0142525
	B(45)BLUE / B(45)GREEN =				1.184	
Y7207A	93-06	13	70	2	.0106308	.0105958
Y7207A	93-06	13	70	1	.0142253	.0138933
	B(45)BLUE / B(45)GREEN =				1.311	
Y7207A	93-06	15	80	2	.0095677	.0095327
Y7207A	93-06	15	80	1	.0129082	.0125762
	B(45)BLUE / B(45)GREEN =				1.319	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	93-D6	17	90	2	.0159027	.0158677
Y7207A	93-D6	17	90	1	.0173865	.0170545
	B(45) BLUE / B(45) GREEN =				1.075	
Y7207A	93-D6	18	100	2	.0191169	.0190819
Y7207A	93-D6	18	100	1	.0216014	.0212694
	B(45) BLUE / B(45) GREEN =				1.115	
Y7207A	94-D7	1	0	2	.0735469	.0735119
Y7207A	94-D7	1	0	1	.0853518	.0850198
	B(45) BLUE / B(45) GREEN =				1.157	
Y7207A	94-D7	2	10	2	.0275891	.0275541
Y7207A	94-D7	2	10	1	.0296843	.0293523
	B(45) BLUE / B(45) GREEN =				1.065	
Y7207A	94-D7	3	20	2	.0195606	.0195256
Y7207A	94-D7	3	20	1	.0216014	.0212694
	B(45) BLUE / B(45) GREEN =				1.089	
Y7207A	94-D7	4	30	2	.0113322	.0112972
Y7207A	94-D7	4	30	1	.0147522	.0144202
	B(45) BLUE / B(45) GREEN =				1.276	
Y7207A	94-D7	5	40	2	.0099929	.0099579
Y7207A	94-D7	5	40	1	.0110641	.0107321
	B(45) BLUE / B(45) GREEN =				1.078	
Y7207A	94-D7	6	50	2	.0102011	.0101661
Y7207A	94-D7	6	50	1	.0131716	.0128396
	B(45) BLUE / B(45) GREEN =				1.263	
Y7207A	94-D7	7	60	2	.0087172	.0086822
Y7207A	94-D7	7	60	1	.0116039	.0112719
	B(45) BLUE / B(45) GREEN =				1.298	
Y7207A	94-D7	8	70	2	.0112420	.0112070
Y7207A	94-D7	8	70	1	.0146664	.0143344
	B(45) BLUE / B(45) GREEN =				1.279	
Y7207A	94-D7	9	80	2	.0119064	.0118714
Y7207A	94-D7	9	80	1	.0144888	.0141568
	B(45) BLUE / B(45) GREEN =				1.193	
Y7207A	94-D7	10	90	2	.0109201	.0108851
Y7207A	94-D7	10	90	1	.0122935	.0119615
	B(45) BLUE / B(45) GREEN =				1.099	
Y7207A	94-D7	11	100	2	.0086213	.0085863
Y7207A	94-D7	11	100	1	.0115671	.0112351
	B(45) BLUE / B(45) GREEN =				1.308	
Y7207A	94-D7	12	110	2	.0083614	.0083264
Y7207A	94-D7	12	110	1	.0164286	.0160966
	B(45) BLUE / B(45) GREEN =				1.933	
Y7207A	94-D7	13	120	2	.0122362	.0122012
Y7207A	94-D7	13	120	1	.0147522	.0144202
	B(45) BLUE / B(45) GREEN =				1.182	
Y7207A	95-D8	1	0	2	.0628711	.0628361
Y7207A	95-D8	1	0	1	.0724906	.0721586
	B(45) BLUE / B(45) GREEN =				1.148	
Y7207A	95-D8	2	10	2	.0577869	.0577519
Y7207A	95-D8	2	10	1	.0631369	.0628049
	B(45) BLUE / B(45) GREEN =				1.087	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207A	95-D8	3	20	2	-0.0021262	-0.0021612
Y7207A	95-D8	3	20	1	.0344789	.0341469
	B(45) BLUE / B(45) GREEN =				15.80*	
Y7207A	95-D8	4	30	2	.0114812	.0114462
Y7207A	95-D8	4	30	1	.0139619	.0136299
	B(45) BLUE / B(45) GREEN =				1.191	
Y7207A	95-D8	5	40	2	.0092408	.0092058
Y7207A	95-D8	5	40	1	.0121179	.0117859
	B(45) BLUE / B(45) GREEN =				1.280	
Y7207A	95-D8	6	50	2	.0075736	.0075386
Y7207A	95-D8	6	50	1	.0102922	.0099602
	B(45) BLUE / B(45) GREEN =				1.321	
Y7207A	95-D8	7	60	2	.0082047	.0081697
Y7207A	95-D8	7	60	1	.0118544	.0115224
	B(45) BLUE / B(45) GREEN =				1.410	
Y7207A	95-D8	8	70	2	.0122990	.0122640
Y7207A	95-D8	8	70	1	.0132230	.0128910
	B(45) BLUE / B(45) GREEN =				1.051	
Y7207A	95-D8	9	80	2	.0107141	.0106791
Y7207A	95-D8	9	80	1	.0133799	.0130479
	B(45) BLUE / B(45) GREEN =				1.222	
Y7207A	95-D8	10	90	2	.0096706	.0096356
Y7207A	95-D8	10	90	1	.0136985	.0133665
	B(45) BLUE / B(45) GREEN =				1.387	
Y7207A	95-D8	11	100	2	.0099929	.0099579
Y7207A	95-D8	11	100	1	.0126080	.0122760
	B(45) BLUE / B(45) GREEN =				1.233	
Y7207A	95-D8	12	110	2	.0097803	.0097453
Y7207A	95-D8	12	110	1	.0132230	.0128910
	B(45) BLUE / B(45) GREEN =				1.323	
Y7207A	95-D8	13	120	2	.0111500	.0111150
Y7207A	95-D8	13	120	1	.0146664	.0143344
	B(45) BLUE / B(45) GREEN =				1.290	

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	7.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
77	9	798	374	78	45230	13293	27397	.100	3.333E-02	-0.59	1462	1.2268	80	G6
77	10	1040	416	80	49110	15813	33208	.108	2.688E-02	-0.64	2087	1.3336	90	G6
77	11	996	346	56	37886	13224	28720	.083	4.138E-02	-0.70	2051	1.2110	100	G6
77	12	1116	528	106	62271	18561	38830	.137	3.772E-02	-0.60	2100	1.1887	110	G6
77	13	1490	670	116	73171	23679	51646	.161	4.431E-02	-0.65	3157	1.1605	120	G6
78	1	5364	3682	932	535090	121361	223038	1.177	2.556E-02	-0.45	7949	1.2294	0	G7
78	2	8078	4770	820	499029	147436	332812	1.098	2.834E-02	-0.59	16386	1.2866	10	G7
78	3	4332	2558	664	370174	88649	162202	.814	2.263E-02	-0.48	6473	1.2914	20	G7
78	4	2506	1598	478	274034	58096	93949	.603	2.527E-02	-0.42	3325	1.2091	30	G7
78	5	1874	962	298	161659	37252	60913	.356	0E 00	-0.46	2519	.6081	40	G7
78	6	1588	794	244	131655	30852	50993	.290	1.707E-02	-0.47	2157	1.3742	50	G7
78	7	1022	464	146	77453	18700	30864	.170	2.747E-02	-0.48	1388	1.2266	60	G7
78	8	710	292	78	42197	11573	21363	.093	2.131E-02	-0.55	1108	1.3549	70	G7
78	9	678	372	122	67665	14537	22412	.149	3.098E-02	-0.43	863	1.1448	80	G7
78	10	572	266	80	42710	10465	17768	.094	0E 00	-0.49	800	.9794	90	G7
78	11	624	356	84	47077	12057	23479	.104	2.878E-02	-0.51	1007	1.2308	100	G7
78	12	896	438	86	50772	15109	31936	.112	2.966E-02	-0.60	1704	1.2727	110	G7
78	13	1086	518	102	60309	18082	38115	.133	2.659E-02	-0.60	2070	1.3134	120	G7
85	1	29042	13284	3210	1779989	492171	950960	3.916	4.563E-02	-0.55	47910	1.1009	0	D2
85	2	21926	9706	2320	1291452	362889	705127	2.841	0E 00	-0.56	36482	.9396	10	D2
85	3	17472	7702	2180	1166816	302176	537064	2.567	6.482E-02	-0.52	25804	1.0096	20	D2
86	1	32926	18840	5420	3003081	687350	1170448	6.607	0E 00	-0.46	45847	0	0	D3
88	2	25436	12004	2790	1562475	435063	856093	3.437	4.841E-02	-0.56	42948	1.0858	10	D3
88	3	19566	5580	1276	768081	256921	507504	1.690	6.584E-02	-0.67	36601	1.0543	20	D3
88	5	14016	3914	650	476847	181292	377834	1.049	0E 00	-0.76	33365	.9182	30	D3
88	7	6060	2564	572	326795	96629	193343	.719	3.171E-02	-0.59	10757	1.2471	40	D3
90	1	29206	18580	3752	2174222	577505	1224345	4.783	6.189E-02	-0.53	51876	1.0209	0	D4
90	2	24396	14188	3306	1858917	475451	932151	4.090	4.768E-02	-0.51	39601	1.0674	10	D4
90	3	22974	13626	3090	1747143	449637	895041	3.844	5.310E-02	-0.51	37917	1.0441	20	D4
90	5	2296	1210	270	152583	41530	83370	.336	4.167E-02	-0.54	3917	1.1243	30	D4
90	7	2984	1384	204	138921	47532	107959	.306	5.398E-02	-0.68	7085	1.1142	40	D4
90	9	5724	2304	408	260227	86495	185316	.572	4.666E-02	-0.66	12167	1.1524	50	D4
90	11	4482	2224	406	246191	79305	163441	.542	3.582E-02	-0.61	8971	1.2153	60	D4
90	13	4386	2022	404	238444	71887	150406	.525	3.259E-02	-0.60	8319	1.2443	70	D4
91	1	47536	24792	3932	2516721	804498	1831184	5.537	6.116E-02	-0.64	104668	1.0611	0	D5
91	2	43238	22470	3552	2278459	730225	1662680	5.013	5.329E-02	-0.64	95499	1.0989	10	D5
91	3	23308	11210	2000	1230047	384188	837187	2.706	8.005E-02	-0.62	47720	1.0067	20	D5
91	5	2926	1312	264	155896	47313	98575	.343	4.804E-02	-0.61	5549	1.1337	30	D5
91	7	2426	1076	236	135079	39572	79797	.297	2.571E-02	-0.59	4324	1.3158	40	D5
91	9	2360	1032	184	115036	37111	80071	.253	5.808E-02	-0.65	4917	1.0767	50	D5
91	11	2352	1074	168	111199	37334	83582	.245	3.567E-02	-0.67	5358	1.2512	60	D5
91	13	2708	1260	192	128317	43261	97710	.282	3.567E-02	-0.67	6269	1.2517	70	D5
93	1	27836	12022	1460	1141138	429155	987156	2.511	5.590E-02	-0.75	77282	1.1389	0	D6
93	2	27464	11676	2122	1321455	426847	913642	2.907	6.863E-02	-0.65	56705	1.0378	10	D6
93	3	6256	2576	640	353364	100344	191847	.777	3.347E-02	-0.57	10303	1.2133	20	D6
93	5	4202	1888	288	193943	66112	148402	.427	7.582E-02	-0.68	9782	1.2541	30	D6
93	7	1928	870	184	106531	31539	64547	.234	3.557E-02	-0.59	3520	1.2059	40	D6
93	9	2208	940	188	112012	34665	72155	.246	3.157E-02	-0.62	4227	1.2646	50	D6
93	11	2248	1032	190	116083	36339	79072	.255	4.006E-02	-0.63	4534	1.1838	60	D6
93	13	1900	906	172	103176	31450	67137	.227	2.717E-02	-0.61	3721	1.3112	70	D6

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
93	15	1586	780	160	92944	27047	56240	.204	2.527E-02	-0.58	2916	1.3193	80	06
93	16	1874	822	142	90100	29423	64027	.198	0E 00	-0.65	3995	0	90	06
93	17	2754	1178	214	133142	42927	91949	.293	5.837E-02	-0.64	5682	1.0748	100	06
93	18	3260	1368	260	158906	50584	106809	.350	5.017E-02	-0.64	6526	1.1146	110	06
94	1	36522	16430	2382	1649748	573552	1299831	3.629	4.827E-02	-0.70	88266	1.1565	0	07
94	2	12794	6042	1498	825227	222481	423977	1.815	5.076E-02	-0.54	20589	1.0653	10	07
94	3	7410	3304	834	457407	125011	236544	1.006	4.695E-02	-0.55	11889	1.0893	20	07
94	4	3468	1318	394	224348	62079	126364	.494	2.732E-02	-0.55	6052	1.2764	30	07
94	5	1790	744	162	93575	28155	56832	.206	5.398E-02	-0.60	3245	1.0777	40	07
94	6	2098	820	182	98460	31573	65584	.217	3.289E-02	-0.64	4134	1.2630	50	07
94	7	1292	482	126	68848	19801	37138	.151	2.659E-02	-0.58	2086	1.2983	60	07
94	8	1450	652	110	70271	22987	50468	.155	3.201E-02	-0.65	3132	1.2791	70	07
94	9	1450	614	108	68394	22425	48386	.150	4.094E-02	-0.66	3069	1.1925	80	07
94	10	1552	690	122	76345	24581	53248	.158	5.354E-02	-0.64	3244	1.0989	90	07
94	11	1310	606	106	66198	21129	46109	.146	2.864E-02	-0.64	2741	1.3085	100	07
94	12	1324	594	104	65278	21041	45746	.144	7.324E-05	-0.64	2783	1.9332	110	07
94	13	1082	452	88	53236	16798	35207	.117	4.065E-02	-0.63	2130	1.1819	120	07
95	1	33830	16760	2134	1553502	551464	1299607	3.418	5.046E-02	-0.71	88478	1.1484	0	08
95	2	33500	14844	2630	1645202	529824	1146699	3.619	5.574E-02	-0.64	69963	1.0875	10	08
95	3	14908	5638	1058	663753	219818	461726	1.460	0E 00	-0.66	30696	5.800*	20	08
95	4	2966	1276	178	127628	45649	103264	.281	4.490E-02	-0.72	7435	1.1908	30	08
95	5	1594	712	166	93079	26425	51971	.205	2.776E-02	-0.57	2712	1.2807	40	08
95	6	1116	426	98	52605	16683	34157	.116	2.747E-02	-0.63	2136	1.3212	50	08
95	7	1204	544	120	68448	19863	39979	.151	1.853E-02	-0.58	2130	1.4104	60	08
95	8	1472	762	132	81337	25090	55627	.179	6.160E-02	-0.62	3040	1.0511	70	08
95	9	1514	576	136	80358	24426	50881	.177	3.494E-02	-0.61	2874	1.2218	80	08
95	10	1402	608	106	67104	21912	47510	.148	2.278E-02	-0.65	2975	1.3872	90	08
95	11	1282	590	86	59041	20339	46232	.130	3.845E-02	-0.69	3073	1.2328	100	08
95	12	1366	620	104	66504	21741	47856	.146	2.820E-02	-0.65	2958	1.3228	110	08
95	13	1416	602	104	66406	21907	47499	.146	3.127E-02	-0.66	3036	1.2896	120	08

THIS ENDS DATA FOR CRUISE Y7207A

CRUISE Y7207E

31 July - 7 August 1972

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	12- 08	1	0	2	.0389569	.0389219
Y7207E	12- 08	1	0	1	.0432731	.0429411
	B(45)BLUE / B(45)GREEN =				1.103	
Y7207E	12- 08	2	10	2	.0483693	.0483343
Y7207E	12- 08	2	10	1	.0542762	.0539442
	B(45)BLUE / B(45)GREEN =				1.116	
Y7207E	12- 08	3	20	2	.0209912	.0209562
Y7207E	12- 08	3	20	1	.0236670	.0233350
	B(45)BLUE / B(45)GREEN =				1.114	
Y7207E	12- 08	4	30	2	.0113343	.0112993
Y7207E	12- 08	4	30	1	.0125677	.0122357
	B(45)BLUE / B(45)GREEN =				1.083	
Y7207E	12- 08	5	40	2	.0087617	.0087267
Y7207E	12- 08	5	40	1	.0095872	.0092552
	B(45)BLUE / B(45)GREEN =				1.061	
Y7207E	12- 08	6	50	2	.0103498	.0103148
Y7207E	12- 08	6	50	1	.0101016	.0097696
	B(45)BLUE / B(45)GREEN =				.947	
Y7207E	12- 08	7	60	2	.0065971	.0065621
Y7207E	12- 08	7	60	1	.0104530	.0101210
	B(45)BLUE / B(45)GREEN =				1.542	
Y7207E	12- 08	8	70	2	.0113836	.0113486
Y7207E	12- 08	8	70	1	.0128868	.0125548
	B(45)BLUE / B(45)GREEN =				1.106	
Y7207E	12- 08	9	80	2	.0115668	.0115318
Y7207E	12- 08	9	80	1	.0138317	.0134997
	B(45)BLUE / B(45)GREEN =				1.171	
Y7207E	12- 08	10	90	2	.0118581	.0118231
Y7207E	12- 08	10	90	1	.0147596	.0144276
	B(45)BLUE / B(45)GREEN =				1.220	
Y7207E	12- 08	11	100	2	.0092980	.0092630
Y7207E	12- 08	11	100	1	.0093113	.0089793
	B(45)BLUE / B(45)GREEN =				.969	
Y7207E	12- 08	12	110	2	.0082925	.0082575
Y7207E	12- 08	12	110	1	.0104554	.0101234
	B(45)BLUE / B(45)GREEN =				1.226	
Y7207E	12- 08	13	120	2	.0583210	.0582860
Y7207E	12- 08	13	120	1	.0747859	.0744539
	B(45)BLUE / B(45)GREEN =				1.277	
Y7207E	13- 07	1	0	2	.0482291	.0481941
Y7207E	13- 07	1	0	1	.0511639	.0508319
	B(45)BLUE / B(45)GREEN =				1.055	
Y7207E	13- 07	2	10	2	.0441040	.0440690
Y7207E	13- 07	2	10	1	.0466856	.0463536
	B(45)BLUE / B(45)GREEN =				1.052	
Y7207E	13- 07	3	20	2	.0296496	.0296146
Y7207E	13- 07	3	20	1	.0309292	.0305972
	B(45)BLUE / B(45)GREEN =				1.033	
Y7207E	13- 07	4	30	2	.0123201	.0122851
Y7207E	13- 07	4	30	1	.0130135	.0126815
	B(45)BLUE / B(45)GREEN =				1.032	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	13- 07	5	40	2	.0120082	.0119732
Y7207E	13- 07	5	40	1	.0169185	.0165865
	B(45)BLUE / B(45)GREEN =				1.385	
Y7207E	13- 07	6	50	2	.0066491	.0066141
Y7207E	13- 07	6	50	1	.0091746	.0088426
	B(45)BLUE / B(45)GREEN =				1.337	
Y7207E	13- 07	7	60	2	.0064582	.0064232
Y7207E	13- 07	7	60	1	.0094543	.0091223
	B(45)BLUE / B(45)GREEN =				1.420	
Y7207E	13- 07	8	70	2	.0166838	.0166488
Y7207E	13- 07	8	70	1	.0112184	.0108864
	B(45)BLUE / B(45)GREEN =				.654	
Y7207E	13- 07	9	80	2	.0076376	.0076026
Y7207E	13- 07	9	80	1	.0101993	.0098673
	B(45)BLUE / B(45)GREEN =				1.298	
Y7207E	13- 07	10	90	2	.0119275	.0118925
Y7207E	13- 07	10	90	1	.0159043	.0155723
	B(45)BLUE / B(45)GREEN =				1.309	
Y7207E	13- 07	11	100	2	.0119039	.0118689
Y7207E	13- 07	11	100	1	.0137986	.0134666
	B(45)BLUE / B(45)GREEN =				1.135	
Y7207E	13- 07	12	110	2	.0084566	.0084216
Y7207E	13- 07	12	110	1	.0101105	.0097785
	B(45)BLUE / B(45)GREEN =				1.161	
Y7207E	13- 07	13	120	2	.0101394	.0101044
Y7207E	13- 07	13	120	1	.0144179	.0140859
	B(45)BLUE / B(45)GREEN =				1.394	
Y7207E	14- 06	1	0	2	.0518113	.0517763
Y7207E	14- 06	1	0	1	.0559724	.0556404
	B(45)BLUE / B(45)GREEN =				1.075	
Y7207E	14- 06	2	10	2	.0481703	.0481353
Y7207E	14- 06	2	10	1	.0469263	.0465943
	B(45)BLUE / B(45)GREEN =				.968	
Y7207E	14- 06	3	20	2	.0424437	.0424087
Y7207E	14- 06	3	20	1	.0446917	.0443597
	B(45)BLUE / B(45)GREEN =				1.046	
Y7207E	14- 06	4	30	2	.0299874	.0299524
Y7207E	14- 06	4	30	1	.0317688	.0314368
	B(45)BLUE / B(45)GREEN =				1.050	
Y7207E	14- 06	5	40	2	.0146861	.0146511
Y7207E	14- 06	5	40	1	.0160058	.0156738
	B(45)BLUE / B(45)GREEN =				1.070	
Y7207E	14- 06	6	50	2	.0078377	.0078027
Y7207E	14- 06	6	50	1	.0106288	.0102968
	B(45)BLUE / B(45)GREEN =				1.320	
Y7207E	14- 06	7	60	2	.0070017	.0069667
Y7207E	14- 06	7	60	1	.0097710	.0094390
	B(45)BLUE / B(45)GREEN =				1.355	
Y7207E	14- 06	8	70	2	.0100322	.0099972
Y7207E	14- 06	8	70	1	.0121690	.0118370
	B(45)BLUE / B(45)GREEN =				1.184	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	14- 06	9	80	2	.0110920	.0110570
Y7207E	14- 06	9	80	1	.0140050	.0136730
	B(45)BLUE / B(45)GREEN =				1.237	
Y7207E	14- 06	10	90	2	.0193759	.0193409
Y7207E	14- 06	10	90	1	.0225170	.0221850
	B(45)BLUE / B(45)GREEN =				1.147	
Y7207E	14- 06	11	100	2	.0185471	.0185121
Y7207E	14- 06	11	100	1	.0203029	.0199709
	B(45)BLUE / B(45)GREEN =				1.079	
Y7207E	14- 06	12	110	2	.0283402	.0283052
Y7207E	14- 06	12	110	1	.0306711	.0303391
	B(45)BLUE / B(45)GREEN =				1.072	
Y7207E	15- 05	1	0	2	.0446670	.0446320
Y7207E	15- 05	1	0	1	.0498560	.0495240
	B(45)BLUE / B(45)GREEN =				1.110	
Y7207E	15- 05	2	10	2	.0385553	.0385203
Y7207E	15- 05	2	10	1	.0391627	.0388307
	B(45)BLUE / B(45)GREEN =				1.008	
Y7207E	15- 05	3	20	2	.0428392	.0428042
Y7207E	15- 05	3	20	1	.0981826	.0978506
	B(45)BLUE / B(45)GREEN =				2.286	
Y7207E	15- 05	4	30	2	.0222217	.0221867
Y7207E	15- 05	4	30	1	.0258458	.0255138
	B(45)BLUE / B(45)GREEN =				1.150	
Y7207E	15- 05	5	40	2	.0101459	.0101109
Y7207E	15- 05	5	40	1	.0116709	.0113389
	B(45)BLUE / B(45)GREEN =				1.121	
Y7207E	15- 05	6	50	2	.0100391	.0100041
Y7207E	15- 05	6	50	1	.0124252	.0120932
	B(45)BLUE / B(45)GREEN =				1.209	
Y7207E	15- 05	7	60	2	.0088736	.0088386
Y7207E	15- 05	7	60	1	.0114809	.0111489
	B(45)BLUE / B(45)GREEN =				1.261	
Y7207E	15- 05	8	70	2	.0138694	.0138344
Y7207E	15- 05	8	70	1	.0161221	.0157901
	B(45)BLUE / B(45)GREEN =				1.141	
Y7207E	17- 04	1	0	2	.0550873	.0550523
Y7207E	17- 04	1	0	1	.0592300	.0588980
	B(45)BLUE / B(45)GREEN =				1.070	
Y7207E	17- 04	2	10	2	.0428392	.0428042
Y7207E	17- 04	2	10	1	.0474917	.0471597
	B(45)BLUE / B(45)GREEN =				1.102	
Y7207E	17- 04	3	20	2	.0406699	.0406349
Y7207E	17- 04	3	20	1	.0452302	.0448982
	B(45)BLUE / B(45)GREEN =				1.105	
Y7207E	17- 04	4	30	2	.0389883	.0389533
Y7207E	17- 04	4	30	1	.0341984	.0338664
	B(45)BLUE / B(45)GREEN =				.869	
Y7207E	17- 04	5	40	2	.0233033	.0232683
Y7207E	17- 04	5	40	1	.0257138	.0253818
	B(45)BLUE / B(45)GREEN =				1.091	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	17- 04	6	50	2	.0121961	.0121611
Y7207E	17- 04	6	50	1	.0134874	.0131554
	B(45)BLUE / B(45)GREEN =				1.082	
Y7207E	17- 04	7	60	2	.0104502	.0104152
Y7207E	17- 04	7	60	1	.0117597	.0114277
	B(45)BLUE / B(45)GREEN =				1.097	
Y7207E	17- 04	8	70	2	.0193692	.0193342
Y7207E	17- 04	8	70	1	.0224683	.0221363
	B(45)BLUE / B(45)GREEN =				1.145	
Y7207E	20- 03	1	0	2	.0492651	.0492301
Y7207E	20- 03	1	0	1	.0436883	.0433563
	B(45)BLUE / B(45)GREEN =				.881	
Y7207E	20- 03	2	10	2	.0430361	.0430011
Y7207E	20- 03	2	10	1	.0504491	.0501171
	B(45)BLUE / B(45)GREEN =				1.165	
Y7207E	20- 03	3	20	2	.0231581	.0231231
Y7207E	20- 03	3	20	1	.0287786	.0284466
	B(45)BLUE / B(45)GREEN =				1.230	
Y7207E	20- 03	4	30	2	.0252819	.0252469
Y7207E	20- 03	4	30	1	.0284599	.0281279
	B(45)BLUE / B(45)GREEN =				1.114	
Y7207E	20- 03	5	40	2	.0156620	.0156270
Y7207E	20- 03	5	40	1	.0197222	.0193902
	B(45)BLUE / B(45)GREEN =				1.241	
Y7207E	20- 03	6	50	2	.0253541	.0253191
Y7207E	20- 03	6	50	1	.0268372	.0265052
	B(45)BLUE / B(45)GREEN =				1.047	
Y7207E	23- 02	1	0	2	.0381407	.0381057
Y7207E	23- 02	1	0	1	.0402046	.0398726
	B(45)BLUE / B(45)GREEN =				1.046	
Y7207E	23- 02	2	10	2	.0305126	.0304776
Y7207E	23- 02	2	10	1	.0369564	.0366244
	B(45)BLUE / B(45)GREEN =				1.202	
Y7207E	23- 02	3	20	2	.0337192	.0336842
Y7207E	23- 02	3	20	1	.0382303	.0378983
	B(45)BLUE / B(45)GREEN =				1.125	
Y7207E	45- G1	1	0	2	.0644924	.0644574
Y7207E	45- G1	1	0	1	.0523718	.0520398
	B(45)BLUE / B(45)GREEN =				.807	
Y7207E	45- G1	2	10	2	.0470257	.0469907
Y7207E	45- G1	2	10	1	.0467379	.0464059
	B(45)BLUE / B(45)GREEN =				.988	
Y7207E	45- G1	3	20	2	.0349334	.0348984
Y7207E	45- G1	3	20	1	.0452302	.0448982
	B(45)BLUE / B(45)GREEN =				1.287	
Y7207E	45- G1	4	30	2	.0380836	.0380486
Y7207E	45- G1	4	30	1	.0534539	.0531219
	B(45)BLUE / B(45)GREEN =				1.396	
Y7207E	45- G1	5	40	2	.0685427	.0685077
Y7207E	45- G1	5	40	1	.0683969	.0680649
	B(45)BLUE / B(45)GREEN =				.994	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	46- G2	1	0	2	.0359849	.0359499
Y7207E	46- G2	1	0	1	.0391995	.0388675
	B(45)BLUE / B(45)GREEN =				1.081	
Y7207E	46- G2	2	10	2	.0407113	.0406763
Y7207E	46- G2	2	10	1	.0419207	.0415887
	B(45)BLUE / B(45)GREEN =				1.022	
Y7207E	46- G2	3	20	2	.0317010	.0316660
Y7207E	46- G2	3	20	1	.0255649	.0252329
	B(45)BLUE / B(45)GREEN =				.797	
Y7207E	46- G2	4	30	2	.0231669	.0231319
Y7207E	46- G2	4	30	1	.0280154	.0276834
	B(45)BLUE / B(45)GREEN =				1.197	
Y7207E	49- G3	1	0	2	.0345950	.0345600
Y7207E	49- G3	1	0	1	.0380345	.0377025
	B(45)BLUE / B(45)GREEN =				1.091	
Y7207E	49- G3	2	10	2	.0222565	.0222215
Y7207E	49- G3	2	10	1	.0234669	.0231349
	B(45)BLUE / B(45)GREEN =				1.041	
Y7207E	49- G3	3	20	2	.0249983	.0249633
Y7207E	49- G3	3	20	1	.0242106	.0238786
	B(45)BLUE / B(45)GREEN =				.957	
Y7207E	49- G3	4	30	2	.0187487	.0187137
Y7207E	49- G3	4	30	1	.0214697	.0211377
	B(45)BLUE / B(45)GREEN =				1.130	
Y7207E	49- G3	5	40	2	.0117043	.0116693
Y7207E	49- G3	5	40	1	.0149789	.0146459
	B(45)BLUE / B(45)GREEN =				1.255	
Y7207E	49- G3	6	50	2	.0108683	.0108333
Y7207E	49- G3	6	50	1	.0141679	.0138359
	B(45)BLUE / B(45)GREEN =				1.277	
Y7207E	49- G3	7	60	2	.0098232	.0097882
Y7207E	49- G3	7	60	1	.0129465	.0126145
	B(45)BLUE / B(45)GREEN =				1.289	
Y7207E	49- G3	8	70	2	.0094150	.0093800
Y7207E	49- G3	8	70	1	.0150395	.0147075
	B(45)BLUE / B(45)GREEN =				1.568	
Y7207E	49- G3	9	80	2	.0084511	.0084161
Y7207E	49- G3	9	80	1	.0105038	.0101718
	B(45)BLUE / B(45)GREEN =				1.209	
Y7207E	49- G3	10	90	2	.0129227	.0128877
Y7207E	49- G3	10	90	1	.0150554	.0147234
	B(45)BLUE / B(45)GREEN =				1.142	
Y7207E	49- G3	11	100	2	.0252730	.0252380
Y7207E	49- G3	11	100	1	.0298482	.0295162
	B(45)BLUE / B(45)GREEN =				1.170	
Y7207E	51- G4	1	0	2	.0277286	.0276936
Y7207E	51- G4	1	0	1	.0324543	.0321223
	B(45)BLUE / B(45)GREEN =				1.160	
Y7207E	51- G4	2	10	2	.0279147	.0278797
Y7207E	51- G4	2	10	1	.0324602	.0321282
	B(45)BLUE / B(45)GREEN =				1.152	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	51- G4	3	20	2	.0267023	.0266673
Y7207E	51- G4	3	20	1	.0324543	.0321223
	B(45)BLUE / B(45)GREEN =				1.205	
Y7207E	51- G4	4	30	2	.0172488	.0172138
Y7207E	51- G4	4	30	1	.0188457	.0185137
	B(45)BLUE / B(45)GREEN =				1.076	
Y7207E	51- G4	5	40	2	.0086389	.0086039
Y7207E	51- G4	5	40	1	.0116566	.0113246
	B(45)BLUE / B(45)GREEN =				1.316	
Y7207E	51- G4	6	50	2	.0086389	.0086039
Y7207E	51- G4	6	50	1	.0099329	.0096009
	B(45)BLUE / B(45)GREEN =				1.116	
Y7207E	51- G4	7	60	2	.0086623	.0086273
Y7207E	51- G4	7	60	1	.0102754	.0099434
	B(45)BLUE / B(45)GREEN =				1.153	
Y7207E	51- G4	8	70	2	.0085039	.0084689
Y7207E	51- G4	8	70	1	.0115542	.0112222
	B(45)BLUE / B(45)GREEN =				1.325	
Y7207E	51- G4	9	80	2	.0077332	.0076982
Y7207E	51- G4	9	80	1	.0100370	.0097050
	B(45)BLUE / B(45)GREEN =				1.261	
Y7207E	51- G4	10	90	2	.0099300	.0098950
Y7207E	51- G4	10	90	1	.0115780	.0112460
	B(45)BLUE / B(45)GREEN =				1.137	
Y7207E	51- G4	11	100	2	.0089711	.0089361
Y7207E	51- G4	11	100	1	.0121377	.0118057
	B(45)BLUE / B(45)GREEN =				1.321	
Y7207E	51- G4	12	110	2	.0189592	.0189242
Y7207E	51- G4	12	110	1	.0253036	.0249716
	B(45)BLUE / B(45)GREEN =				1.320	
Y7207E	51- G4	13	120	2	.0237987	.0237637
Y7207E	51- G4	13	120	1	.0260022	.0256702
	B(45)BLUE / B(45)GREEN =				1.080	
Y7207E	52- G5	1	0	2	.0513685	.0513335
Y7207E	52- G5	1	0	1	.0604954	.0601634
	B(45)BLUE / B(45)GREEN =				1.172	
Y7207E	52- G5	2	10	2	.0314458	.0314108
Y7207E	52- G5	2	10	1	.0341739	.0338419
	B(45)BLUE / B(45)GREEN =				1.077	
Y7207E	52- G5	3	20	2	.0306538	.0306188
Y7207E	52- G5	3	20	1	.0353016	.0349696
	B(45)BLUE / B(45)GREEN =				1.142	
Y7207E	52- G5	4	30	2	.0242761	.0242411
Y7207E	52- G5	4	30	1	.0257637	.0254317
	B(45)BLUE / B(45)GREEN =				1.049	
Y7207E	52- G5	6	50	2	.0117940	.0117590
Y7207E	52- G5	6	50	1	.0122971	.0119651
	B(45)BLUE / B(45)GREEN =				1.018	
Y7207E	52- G5	5	40	2	.0087359	.0087009
Y7207E	52- G5	5	40	1	.0105038	.0101718
	B(45)BLUE / B(45)GREEN =				1.169	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	52- G5	7	60	2	.0117479	.0117129
Y7207E	52- G5	7	60	1	.0112541	.0109221
	B(45)BLUE / B(45)GREEN =				.932	
Y7207E	52- G5	8	70	2	.0098255	.0097905
Y7207E	52- G5	8	70	1	.0121022	.0117702
	B(45)BLUE / B(45)GREEN =				1.202	
Y7207E	52- G5	9	80	2	.0074759	.0074409
Y7207E	52- G5	9	80	1	.0105038	.0101718
	B(45)BLUE / B(45)GREEN =				1.367	
Y7207E	52- G5	10	90	2	.0094018	.0093668
Y7207E	52- G5	10	90	1	.0116455	.0113135
	B(45)BLUE / B(45)GREEN =				1.208	
Y7207E	52- G5	11	100	2	.0107015	.0106665
Y7207E	52- G5	11	100	1	.0133798	.0130478
	B(45)BLUE / B(45)GREEN =				1.223	
Y7207E	52- G5	12	110	2	.0114089	.0113739
Y7207E	52- G5	12	110	1	.0150229	.0146909
	B(45)BLUE / B(45)GREEN =				1.292	
Y7207E	52- G5	13	120	2	.0130577	.0130227
Y7207E	52- G5	13	120	1	.0185176	.0181856
	B(45)BLUE / B(45)GREEN =				1.396	
Y7207E	53- G6	1	0	2	.0815738	.0815388
Y7207E	53- G6	1	0	1	.0802297	.0798977
	B(45)BLUE / B(45)GREEN =				.980	
Y7207E	53- G6	2	10	2	.0842674	.0842324
Y7207E	53- G6	2	10	1	.0886133	.0882813
	B(45)BLUE / B(45)GREEN =				1.048	
Y7207E	53- G6	3	20	2	.0205818	.0205468
Y7207E	53- G6	3	20	1	.0231177	.0227857
	B(45)BLUE / B(45)GREEN =				1.109	
Y7207E	53- G6	4	30	2	.0094978	.0094628
Y7207E	53- G6	4	30	1	.0129984	.0126664
	B(45)BLUE / B(45)GREEN =				1.339	
Y7207E	53- G6	5	40	2	.0089711	.0089361
Y7207E	53- G6	5	40	1	.0107321	.0104001
	B(45)BLUE / B(45)GREEN =				1.164	
Y7207E	53- G6	6	50	2	.0113250	.0112900
Y7207E	53- G6	6	50	1	.0136549	.0133229
	B(45)BLUE / B(45)GREEN =				1.180	
Y7207E	53- G6	7	60	2	.0092915	.0092565
Y7207E	53- G6	7	60	1	.0119043	.0115723
	B(45)BLUE / B(45)GREEN =				1.250	
Y7207E	53- G6	8	70	2	.0102469	.0102119
Y7207E	53- G6	8	70	1	.0126045	.0122725
	B(45)BLUE / B(45)GREEN =				1.202	
Y7207E	53- G6	9	80	2	.0070017	.0069667
Y7207E	53- G6	9	80	1	.0085197	.0081877
	B(45)BLUE / B(45)GREEN =				1.175	
Y7207E	53- G6	10	90	2	.0101507	.0101157
Y7207E	53- G6	10	90	1	.0124252	.0120932
	B(45)BLUE / B(45)GREEN =				1.195	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7207E	53- 66	11	100	2	.0087782	.0087432
Y7207E	53- 66	11	100	1	.0117847	.0114527
	B(45)BLUE / B(45)GREEN =				1.310	
Y7207E	53- 66	12	110	2	.0085439	.0085089
Y7207E	53- 66	12	110	1	.0116855	.0113535
	B(45)BLUE / B(45)GREEN =				1.334	
Y7207E	53- 66	13	120	2	.0084647	.0084297
Y7207E	53- 66	13	120	1	.0108539	.0105219
	B(45)BLUE / B(45)GREEN =				1.248	

STA	SOTL	NO OF PARTICLES PER ML GREATER THAN 3.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
12	1	3146	4872	1418	734701	176877	296343	1.748	3.640E-02	-0.45	11156	1.1033	0	08
12	2	11988	7172	2546	1493546	290752	401517	3.286	3.054E-02	-0.39	14030	1.1161	10	08
12	3	5012	3020	1058	617508	121401	170179	1.359	3.113E-02	-0.39	5974	1.1135	20	08
12	4	2788	994	302	156325	43071	75252	.348	4.783E-02	-0.54	4058	1.0829	30	08
12	5	1232	548	216	118956	25832	39499	.261	4.182E-02	-0.44	1561	1.0605	40	08
12	6	1062	526	142	77203	19528	35346	.170	0E 00	-0.51	1591	.9471	50	08
12	7	390	476	116	64169	17327	33298	.141	6.372E-03	-0.54	1608	1.5424	60	08
12	8	940	570	164	94819	21556	40488	.209	3.884E-02	-0.45	1418	1.1063	70	08
12	9	1533	766	126	81469	26902	59450	.179	4.387E-02	-0.66	3735	1.1706	80	08
12	10	1978	804	182	103833	30941	61521	.228	3.450E-02	-0.60	3498	1.2203	90	08
12	11	1414	644	150	84057	23700	46594	.185	0E 00	-0.56	2399	.9694	100	08
12	12	1384	548	120	69567	21239	42726	.157	3.479E-02	-0.61	2521	1.2260	110	08
12	13	2004	894	182	107044	32376	67159	.235	2.981E-02	-0.60	3771	1.2774	120	08
13	1	15584	9824	3630	2213784	408521	529875	4.870	3.625E-02	-0.37	17713	1.0547	0	07
13	2	13974	9210	3016	1699596	357726	543885	3.739	4.182E-02	-0.42	20178	1.0518	10	07
13	3	9770	4684	1436	785543	178798	292724	1.728	4.944E-02	-0.46	11794	1.0332	20	07
13	4	3790	2064	508	281946	71997	137004	.620	5.574E-02	-0.51	5977	1.0323	30	07
13	5	1708	860	204	113606	30532	59439	.250	1.882E-02	-0.54	2808	1.3853	40	07
13	6	1282	636	102	65536	21201	47767	.144	2.659E-02	-0.65	2825	1.3369	50	07
13	7	1054	444	102	57692	16856	33331	.127	1.780E-02	-0.58	1832	1.4202	60	07
13	8	1088	486	134	72103	18827	33945	.159	0E 00	-0.52	1634	.6539	70	07
13	9	1036	458	124	66928	17716	32304	.147	2.454E-02	-0.53	1580	1.2979	80	07
13	10	1746	780	156	92388	28152	58763	.203	2.732E-02	-0.61	3328	1.3094	90	07
13	11	1814	776	162	94815	28778	59042	.209	4.490E-02	-0.61	3376	1.1346	100	07
13	12	1416	622	120	72317	22520	47510	.159	4.255E-02	-0.62	2781	1.1611	110	07
13	13	1660	776	170	96961	27876	56313	.213	1.956E-02	-0.57	2934	1.3940	120	07
14	1	14984	10088	5410	4905423	622573	407802	10.792	2.307E-02	-0.25	12768	1.0746	0	06
14	2	13956	8876	3520	2241036	389909	459572	4.930	0E 00	-0.35	15028	.9680	10	06
14	3	11282	8062	2994	1981103	337675	412717	4.358	3.479E-02	-0.34	12491	1.0460	20	06
14	4	6420	3664	1398	820070	156477	202901	1.804	3.831E-02	-0.38	7254	1.0496	30	06
14	5	5234	2790	328	452307	105040	176486	.995	4.285E-02	-0.46	7213	1.0698	40	06
14	6	1576	790	168	96339	27367	56107	.212	2.468E-02	-0.57	2812	1.3196	50	06
14	7	1312	640	152	84605	23010	44791	.186	2.117E-02	-0.54	2167	1.3549	60	06
14	8	1228	532	108	53826	19529	40482	.140	3.918E-02	-0.61	2328	1.1840	70	06
14	9	1936	890	142	92687	30870	68878	.204	3.669E-02	-0.66	4341	1.2366	80	06
14	10	3342	1632	288	177563	55434	121396	.391	4.446E-02	-0.62	6879	1.1470	90	06
14	11	3536	1720	340	200268	59460	125348	.441	5.295E-02	-0.59	6673	1.0738	100	06
14	12	3644	1666	312	189326	58912	125861	.417	5.706E-02	-0.62	7263	1.0718	110	06
15	1	8116	5546	2926	2042720	337065	225996	5.814	2.043E-02	-0.26	6981	1.1096	0	05
15	2	9444	5454	2752	2138409	305551	237807	4.814	3.538E-02	-0.28	7584	1.0081	10	05
15	3	8556	5524	1740	1013445	206398	316914	2.230	0E 00	-0.41	10900	2.2860	20	05
15	4	4882	2508	958	469274	101774	152868	1.032	3.069E-02	-0.43	6095	1.1500	30	05
15	5	3544	1712	358	206890	60061	123824	.455	4.475E-02	-0.58	6445	1.1215	40	05
15	6	3358	1638	276	173771	55362	122842	.382	3.801E-02	-0.64	7155	1.2038	50	05
15	7	1540	656	124	75581	23974	50591	.166	3.274E-02	-0.63	3071	1.2614	60	05
15	8	2390	1098	184	111127	37935	85809	.244	4.958E-02	-0.68	5629	1.1414	70	05
17	1	15850	13740	9242	594264*1793325		355863	57.074	1.282E-02	-0.14	10911	1.0699	0	04
17	2	7278	4838	2976	3345344	366802	169174	7.360	1.809E-02	-0.22	5615	1.1018	10	04
17	3	6494	3888	1860	1298016	201156	183537	2.856	2.527E-02	-0.31	6151	1.1049	20	04
17	4	6150	3000	746	410942	109201	207528	.904	0E 00	-0.53	9818	.8694	30	04

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
17	5	5468	2446	564	317305	90511	178746	.698	4.871E-02	-0.57	9377	1.0908	40	D4
17	6	2902	1738	320	177822	48599	94305	.391	4.827E-02	-0.55	4622	1.0818	50	D4
17	7	1974	924	210	118403	33433	66467	.260	4.724E-02	-0.56	3394	1.0972	60	D4
17	8	3212	1566	352	198799	55566	111069	.437	4.006E-02	-0.56	5527	1.1449	70	D4
20	1	11298	7766	4822	5371529	615309	262932	12.917	0E 00	-0.21	8604	.8807	0	D3
20	2	8616	5242	2216	1424546	242246	266678	3.134	2.292E-02	-0.34	8919	1.1655	10	D3
20	3	7490	3456	914	496370	130700	240764	1.092	2.966E-02	-0.53	11538	1.2302	20	D3
20	4	5870	2794	704	386554	102759	194036	.850	4.197E-02	-0.53	9246	1.1141	30	D3
20	5	3598	1726	390	220052	61731	123076	.484	3.069E-02	-0.56	6185	1.2408	40	D3
20	6	4232	2142	538	296224	77145	145567	.652	5.295E-02	-0.52	6662	1.0468	50	D3
23	1	12396	5688	1672	893152	222898	385046	1.965	5.090E-02	-0.50	17673	1.0464	0	D2
23	2	5588	2888	918	497252	113428	182035	1.094	2.776E-02	-0.46	7515	1.2017	10	D2
23	3	5964	2996	804	438013	110486	200489	.964	3.845E-02	-0.50	8951	1.1251	20	D2
45	1	15772	7388	2322	1237958	294955	484631	2.724	0E 00	-0.48	21319	.8074	0	G
45	2	19426	10416	3920	2223114	443170	597142	4.891	0E 00	-0.40	22423	.9876	5	G
45	3	4924	2600	698	382258	94365	170458	.841	2.366E-02	-0.49	7322	1.2865	10	G
45	5	6478	3142	1186	647353	135726	188498	1.424	0E 00	-0.42	7596	.9935	20	G
46	1	7054	3554	1066	576151	136442	229394	1.268	4.197E-02	-0.47	9743	1.0812	0	G2
46	2	7176	3936	1688	1022291	183174	208349	2.249	4.138E-02	-0.36	7488	1.0224	10	G2
46	3	3292	3966	914	512885	142647	281849	1.128	0E 00	-0.56	14055	.7968	20	G2
46	4	5296	2560	472	286040	87909	189705	.629	3.801E-02	-0.61	10572	1.1968	30	G2
49	1	13010	7914	4188	3293852	459717	341506	7.246	2.380E-02	-0.28	11402	1.0909	0	G3
49	2	6946	5196	1770	1146240	203209	273045	2.522	3.699E-02	-0.35	8132	1.0411	10	G3
49	3	6560	3034	644	371546	108835	222645	.817	0E 00	-0.59	11890	.9566	20	G3
49	4	4088	1956	324	206356	66647	148185	.454	4.856E-02	-0.65	8852	1.1295	30	G3
49	5	2704	1212	292	162133	45247	87584	.357	2.922E-02	-0.56	4487	1.2552	40	G3
49	6	2454	1300	306	170895	45180	88238	.376	2.600E-02	-0.53	4020	1.2772	50	G3
49	7	2176	1076	224	129429	37329	77179	.285	2.747E-02	-0.58	3954	1.2887	60	G3
49	8	1562	768	184	102208	27590	53461	.225	6.592E-04	-0.54	2560	1.5680	70	G3
49	9	1034	514	116	65406	18110	36139	.144	3.303E-02	-0.55	1768	1.2086	80	G3
49	10	2362	940	228	126310	34906	67326	.278	3.992E-02	-0.55	3394	1.1424	90	G3
49	11	4032	1956	548	295049	73946	131293	.649	3.347E-02	-0.50	5914	1.1695	100	G3
51	1	7558	3920	944	524435	138207	266734	1.154	3.611E-02	-0.53	12221	1.1599	0	G4
51	2	9212	4918	1104	623033	168208	336701	1.371	3.787E-02	-0.54	15611	1.1524	10	G4
51	3	8458	4226	714	447174	141154	313920	.984	3.816E-02	-0.63	17907	1.2046	20	G4
51	4	3360	1452	368	201694	55688	105290	.444	4.988E-02	-0.55	5405	1.0755	30	G4
51	5	1334	658	114	70746	22188	48911	.156	2.761E-02	-0.63	2779	1.3162	40	G4
51	6	1026	474	100	57823	16993	34844	.127	4.622E-02	-0.59	1868	1.1159	50	G4
51	7	890	462	104	58648	15988	31952	.129	3.831E-02	-0.55	1513	1.1525	60	G4
51	8	940	392	92	51399	14306	28022	.113	2.380E-02	-0.56	1411	1.3251	70	G4
51	9	1062	506	92	56199	17465	37803	.124	3.215E-02	-0.62	2148	1.2607	80	G4
51	10	886	502	100	58518	17045	35927	.129	4.285E-02	-0.58	1841	1.1365	90	G4
51	11	1762	814	168	97919	29068	60109	.215	2.571E-02	-0.59	3262	1.3211	100	G4
51	12	3722	1736	306	190154	60328	131488	.416	2.761E-02	-0.63	7731	1.3196	110	G4
51	13	4360	2020	326	217950	74917	163959	.479	6.101E-02	-0.69	11271	1.0802	120	G4
52	1	17324	8158	2018	1112251	300547	573484	2.447	3.582E-02	-0.54	27941	1.1720	0	G5
52	2	13586	5974	1328	751832	199521	401517	1.654	4.768E-02	-0.53	17891	1.0774	10	G5
52	3	8334	4756	1218	675605	166015	307518	1.486	3.552E-02	-0.49	12763	1.1421	20	G5
52	4	8942	3484	932	507909	128387	233452	1.117	5.090E-02	-0.51	10445	1.0491	30	G5
52	5	1730	1030	312	175402	38173	61873	.386	2.908E-02	-0.44	2302	1.1690	40	G5

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
52	6	1756	916	154	96008	29928	67020	.211	7.405E-02	-0.62	3703	1.0175	50	G5
52	7	1278	550	134	74272	20938	40348	.163	0E 00	-0.56	2119	.9325	60	G5
52	8	744	374	104	56440	13960	24757	.124	3.010E-02	-0.49	1087	1.2022	70	G5
52	9	1148	540	120	66108	19403	38964	.150	2.131E-02	-0.57	2005	1.3670	80	G5
52	10	1258	578	108	65552	20383	43597	.144	3.728E-02	-0.62	2509	1.2078	90	G5
52	11	1684	746	132	82628	26627	57647	.182	3.699E-02	-0.64	3521	1.2232	100	G5
52	12	2078	952	180	105412	32302	65875	.232	2.893E-02	-0.61	3862	1.2916	110	G5
52	13	2392	1030	200	120554	37692	79239	.265	2.102E-02	-0.63	4691	1.3965	120	G5
53	1	29876	25430	16380	671039*2825303		718799	80.763	0E 00	-0.15	21307	.9799	0	G6
53	2	42322	37322	28342	884981*8072658		721450	49.47*	1.033E-02	-0.10	26545	1.0481	10	G6
53	3	3948	6248	2626	1873468	292473	300525	4.122	2.512E-02	-0.31	9076	1.1090	20	G6
53	4	2912	1782	678	412281	75751	95886	.907	1.501E-02	-0.37	3256	1.3385	30	G6
53	5	2258	1408	478	280414	55299	79351	.617	2.673E-02	-0.39	2738	1.1638	40	G6
53	6	2364	1566	762	597467	84752	69482	1.314	1.838E-02	-0.28	2171	1.1801	50	G6
53	7	1246	708	288	173370	31654	37987	.381	1.941E-02	-0.37	1344	1.2502	60	G6
53	8	1752	1420	810	1126783	111213	48900	2.479	1.208E-02	-0.20	1379	1.2018	70	G6
53	9	1216	772	388	301380	42797	34063	.663	1.868E-02	-0.28	1099	1.1753	80	G6
53	10	1720	1072	452	235134	49531	54036	.649	2.087E-02	-0.34	1776	1.1955	90	G6
53	11	2156	1428	774	597342	88714	57619	1.534	1.135E-02	-0.25	1828	1.3099	100	G6
53	12	1630	756	176	98572	27608	54297	.217	2.322E-02	-0.56	2757	1.3343	110	G6
53	13	1650	712	174	96346	27093	52132	.212	3.010E-02	-0.56	2728	1.2482	120	G6

THIS ENDS DATA FOR CRUISE Y7207E

CRUISE Y7208E

26-30 August 1972

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	23-G1	1	0	1	.0900708	.0897388
Y7208E	23-G1	1	0	2	.0815379	.0815029
	B(45)BLUE / B(45)GREEN =				1.101	
Y7208E	23-G1	2	10	1	.2285032	.2281712
Y7208E	23-G1	2	10	2	.2075304	.2074954
	B(45)BLUE / B(45)GREEN =				1.100	
Y7208E	24-G2	1	0	1	.0293867	.0290547
Y7208E	24-G2	1	0	2	.0245842	.0245492
	B(45)BLUE / B(45)GREEN =				1.184	
Y7208E	24-G2	2	10	1	.0359119	.0355799
Y7208E	24-G2	2	10	2	.0345078	.0344728
	B(45)BLUE / B(45)GREEN =				1.032	
Y7208E	24-G2	3	20	1	.0142786	.0139466
Y7208E	24-G2	3	20	2	.0158406	.0158056
	B(45)BLUE / B(45)GREEN =				.882	
Y7208E	24-G2	4	30	1	.0343265	.0339945
Y7208E	24-G2	4	30	2	.0376251	.0375901
	B(45)BLUE / B(45)GREEN =				.904	
Y7208E	24-G2	5	40	1	.0383353	.0380033
Y7208E	24-G2	5	40	2	.0403041	.0402691
	B(45)BLUE / B(45)GREEN =				.944	
Y7208E	27-G3	1	0	1	.0336795	.0333475
Y7208E	27-G3	1	0	2	.0407165	.0406815
	B(45)BLUE / B(45)GREEN =				.820	
Y7208E	27-G3	2	10	1	.0302553	.0299233
Y7208E	27-G3	2	10	2	.0289508	.0289158
	B(45)BLUE / B(45)GREEN =				1.035	
Y7208E	27-G3	3	20	1	.0366783	.0363463
Y7208E	27-G3	3	20	2	.0445272	.0444922
	B(45)BLUE / B(45)GREEN =				.817	
Y7208E	27-G3	4	30	1	.0221319	.0217999
Y7208E	27-G3	4	30	2	.0176113	.0175763
	B(45)BLUE / B(45)GREEN =				1.240	
Y7208E	27-G3	5	40	1	.0160586	.0157266
Y7208E	27-G3	5	40	2	.0124908	.0124558
	B(45)BLUE / B(45)GREEN =				1.263	
Y7208E	27-G3	7	60	1	.0130359	.0127039
Y7208E	27-G3	7	60	2	.0112721	.0112371
	B(45)BLUE / B(45)GREEN =				1.131	
Y7208E	27-G3	6	50	1	.0098563	.0095243
Y7208E	27-G3	6	50	2	.0078704	.0078354
	B(45)BLUE / B(45)GREEN =				1.216	
Y7208E	27-G3	8	70	1	.0133912	.0130592
Y7208E	27-G3	8	70	2	.0121633	.0121283
	B(45)BLUE / B(45)GREEN =				1.077	
Y7208E	27-G3	9	80	1	.0139247	.0135927
Y7208E	27-G3	9	80	2	.0129717	.0129367
	B(45)BLUE / B(45)GREEN =				1.051	
Y7208E	27-G3	10	90	1	.0140050	.0136730
Y7208E	27-G3	10	90	2	.0120441	.0120091
	B(45)BLUE / B(45)GREEN =				1.139	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	29-G4	1	0	1	.0448436	.0445116
Y7208E	29-G4	1	0	2	.0384797	.0384447
	B(45)BLUE / B(45)GREEN =				1.158	
Y7208E	29-G4	2	10	1	.0215786	.0212466
Y7208E	29-G4	2	10	2	.0184307	.0183957
	B(45)BLUE / B(45)GREEN =				1.155	
Y7208E	29-G4	3	20	1	.0126844	.0123524
Y7208E	29-G4	3	20	2	.0120331	.0119981
	B(45)BLUE / B(45)GREEN =				1.030	
Y7208E	29-G4	4	30	1	.0126702	.0123382
Y7208E	29-G4	4	30	2	2.1386580	2.1386230
	B(45)BLUE / B(45)GREEN =				.006	
Y7208E	29-G4	5	40	1	.0154639	.0151319
Y7208E	29-G4	5	40	2	.0148446	.0148096
	B(45)BLUE / B(45)GREEN =				1.022	
Y7208E	29-G4	6	50	1	.0090360	.0087040
Y7208E	29-G4	6	50	2	.0070236	.0069886
	B(45)BLUE / B(45)GREEN =				1.245	
Y7208E	29-G4	7	60	1	.0103662	.0100342
Y7208E	29-G4	7	60	2	.0077514	.0077164
	B(45)BLUE / B(45)GREEN =				1.300	
Y7208E	29-G4	8	70	1	.0081577	.0078257
Y7208E	29-G4	8	70	2	1.9501537	1.9501187
	B(45)BLUE / B(45)GREEN =				.004	
Y7208E	29-G4	9	80	1	.0113118	.0109798
Y7208E	29-G4	9	80	2	.0096570	.0096220
	B(45)BLUE / B(45)GREEN =				1.141	
Y7208E	29-G4	10	90	1	.0145661	.0142341
Y7208E	29-G4	10	90	2	.0132043	.0131693
	B(45)BLUE / B(45)GREEN =				1.081	
Y7208E	29-G4	11	100	1	.0158749	.0155429
Y7208E	29-G4	11	100	2	.0131131	.0130781
	B(45)BLUE / B(45)GREEN =				1.188	
Y7208E	29-G4	12	110	1	.0191052	.0187732
Y7208E	29-G4	12	110	2	.0174016	.0173666
	B(45)BLUE / B(45)GREEN =				1.081	
Y7208E	29-G4	13	120	1	.0147604	.0144284
Y7208E	29-G4	13	120	2	.0126317	.0125967
	B(45)BLUE / B(45)GREEN =				1.145	
Y7208E	30-G5	1	0	1	.0342977	.0339657
Y7208E	30-G5	1	0	2	.0322487	.0322137
	B(45)BLUE / B(45)GREEN =				1.054	
Y7208E	30-G5	2	10	1	.0313869	.0310549
Y7208E	30-G5	2	10	2	.0300497	.0300147
	B(45)BLUE / B(45)GREEN =				1.035	
Y7208E	30-G5	3	20	1	.0188102	.0184782
Y7208E	30-G5	3	20	2	.0156252	.0155902
	B(45)BLUE / B(45)GREEN =				1.185	
Y7208E	30-G5	4	30	1	.0114565	.0111245
Y7208E	30-G5	4	30	2	.0097045	.0096695
	B(45)BLUE / B(45)GREEN =				1.150	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	30-G5	5	40	1	.0106431	.0103111
Y7208E	30-G5	5	40	2	.0079466	.0079116
	B(45)BLUE / B(45)GREEN =				1.303	
Y7208E	30-G5	6	50	1	.0079987	.0076667
Y7208E	30-G5	6	50	2	.0059304	.0058954
	B(45)BLUE / B(45)GREEN =				1.300	
Y7208E	30-G5	7	60	1	.0109962	.0106642
Y7208E	30-G5	7	60	2	.0099029	.0098679
	B(45)BLUE / B(45)GREEN =				1.081	
Y7208E	30-G5	8	70	1	.0093172	.0089852
Y7208E	30-G5	8	70	2	.0068152	.0067802
	B(45)BLUE / B(45)GREEN =				1.325	
Y7208E	30-G5	9	80	1	.0087292	.0083972
Y7208E	30-G5	9	80	2	.0071083	.0070733
	B(45)BLUE / B(45)GREEN =				1.187	
Y7208E	30-G5	10	90	1	.0106965	.0103645
Y7208E	30-G5	10	90	2	.0083573	.0083223
	B(45)BLUE / B(45)GREEN =				1.245	
Y7208E	30-G5	11	100	1	.0185609	.0182289
Y7208E	30-G5	11	100	2	.0144113	.0143763
	B(45)BLUE / B(45)GREEN =				1.268	
Y7208E	30-G5	12	110	1	.0387245	.0383925
Y7208E	30-G5	12	110	2	.0330567	.0330217
	B(45)BLUE / B(45)GREEN =				1.163	
Y7208E	30-G5	13	120	1	.0268039	.0264719
Y7208E	30-G5	13	120	2	.0262237	.0261887
	B(45)BLUE / B(45)GREEN =				1.011	
Y7208E	31-G6	1	0	1	.0422148	.0418828
Y7208E	31-G6	1	0	2	.0325212	.0324862
	B(45)BLUE / B(45)GREEN =				1.289	
Y7208E	31-G6	2	10	1	.0432842	.0429522
Y7208E	31-G6	2	10	2	.0334367	.0334017
	B(45)BLUE / B(45)GREEN =				1.286	
Y7208E	31-G6	3	20	1	.0184559	.0181239
Y7208E	31-G6	3	20	2	.0193319	.0192969
	B(45)BLUE / B(45)GREEN =				.939	
Y7208E	31-G6	4	30	1	.0120390	.0117070
Y7208E	31-G6	4	30	2	.0098730	.0098380
	B(45)BLUE / B(45)GREEN =				1.190	
Y7208E	31-G6	5	40	1	.0119292	.0115972
Y7208E	31-G6	5	40	2	.0107023	.0106673
	B(45)BLUE / B(45)GREEN =				1.087	
Y7208E	31-G6	6	50	1	.0095428	.0092108
Y7208E	31-G6	6	50	2	.9032321	.9031971
	B(45)BLUE / B(45)GREEN =				.010	
Y7208E	31-G6	7	60	1	.0109893	.0106573
Y7208E	31-G6	7	60	2	.0088262	.0087912
	B(45)BLUE / B(45)GREEN =				1.212	
Y7208E	31-G6	8	70	1	.0205214	.0201894
Y7208E	31-G6	8	70	2	.0175129	.0174779
	B(45)BLUE / B(45)GREEN =				1.155	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	31-G6	9	80	1	3.7770909	3.7767589
Y7208E	31-G6	9	80	2	.0076446	.0076096
	B(45)BLUE / B(45)GREEN =				96.31*	
Y7208E	31-G6	10	90	1	.0087975	.0084655
Y7208E	31-G6	10	90	2	.0074471	.0074121
	B(45)BLUE / B(45)GREEN =				1.142	
Y7208E	31-G6	11	100	1	2.4791746	2.4788426
Y7208E	31-G6	11	100	2	1.5235838	1.5235488
	B(45)BLUE / B(45)GREEN =				1.627	
Y7208E	31-G6	12	110	1	.0089103	.0085733
Y7208E	31-G6	12	110	2	.0062589	.0062239
	B(45)BLUE / B(45)GREEN =				1.378	
Y7208E	31-G6	13	120	1	.0105563	.0102243
Y7208E	31-G6	13	120	2	.0093464	.0093114
	B(45)BLUE / B(45)GREEN =				1.098	
Y7208E	54-07	1	0	1	.0268888	.0265568
Y7208E	54-07	1	0	2	.0256491	.0256141
	B(45)BLUE / B(45)GREEN =				1.037	
Y7208E	54-07	2	10	1	.0273955	.0270635
Y7208E	54-07	2	10	2	.0268929	.0268579
	B(45)BLUE / B(45)GREEN =				1.008	
Y7208E	54-07	3	20	1	.0232802	.0229482
Y7208E	54-07	3	20	2	.0206854	.0206504
	B(45)BLUE / B(45)GREEN =				1.111	
Y7208E	54-07	4	30	1	.0139460	.0136140
Y7208E	54-07	4	30	2	.0127510	.0127160
	B(45)BLUE / B(45)GREEN =				1.071	
Y7208E	54-07	5	40	1	.0144160	.0140840
Y7208E	54-07	5	40	2	.0128282	.0127932
	B(45)BLUE / B(45)GREEN =				1.101	
Y7208E	54-07	6	50	1	.0102379	.0099059
Y7208E	54-07	6	50	2	.0091809	.0091459
	B(45)BLUE / B(45)GREEN =				1.083	
Y7208E	54-07	7	60	1	.0096652	.0093332
Y7208E	54-07	7	60	2	.0079812	.0079462
	B(45)BLUE / B(45)GREEN =				1.175	
Y7208E	54-07	8	70	1	.0110534	.0107214
Y7208E	54-07	8	70	2	.0103904	.0103554
	B(45)BLUE / B(45)GREEN =				1.035	
Y7208E	54-07	9	80	1	.0107156	.0103836
Y7208E	54-07	9	80	2	.0095066	.0094716
	B(45)BLUE / B(45)GREEN =				1.096	
Y7208E	54-07	10	90	1	.0103482	.0100162
Y7208E	54-07	10	90	2	.0100848	.0100498
	B(45)BLUE / B(45)GREEN =				.997	
Y7208E	54-07	11	100	1	.0072386	.0069066
Y7208E	54-07	11	100	2	.0055376	.0055026
	B(45)BLUE / B(45)GREEN =				1.255	
Y7208E	54-07	12	110	1	.0071202	.0067882
Y7208E	54-07	12	110	2	.0064541	.0064191
	B(45)BLUE / B(45)GREEN =				1.057	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	54-07	13	120	1	.0108660	.0105340
Y7208E	54-07	13	120	2	.0095853	.0095503
	B(45)BLUE / B(45)GREEN =				1.103	
Y7208E	56-06	1	0	1	.0326519	.0323199
Y7208E	56-06	1	0	2	4.1622497	4.1622147
	B(45)BLUE / B(45)GREEN =				.008	
Y7208E	56-06	2	10	1	6.1145720	6.1142400
Y7208E	56-06	2	10	2	4.4692905	4.4692555
	B(45)BLUE / B(45)GREEN =				1.368	
Y7208E	56-06	3	20	1	.0160572	.0157252
Y7208E	56-06	3	20	2	1.9376256	1.9375906
	B(45)BLUE / B(45)GREEN =				.008	
Y7208E	56-06	4	30	1	.0156587	.0153267
Y7208E	56-06	4	30	2	1.8084452	1.8084102
	B(45)BLUE / B(45)GREEN =				.008	
Y7208E	56-06	5	40	1	.0139325	.0136005
Y7208E	56-06	5	40	2	.0102521	.0102171
	B(45)BLUE / B(45)GREEN =				1.331	
Y7208E	56-06	6	50	1	.0115640	.0112320
Y7208E	56-06	6	50	2	.0099675	.0099325
	B(45)BLUE / B(45)GREEN =				1.131	
Y7208E	56-06	7	60	1	.0105921	.0102601
Y7208E	56-06	7	60	2	.0088170	.0087820
	B(45)BLUE / B(45)GREEN =				1.168	
Y7208E	56-06	8	70	1	.0194141	.0190821
Y7208E	56-06	8	70	2	.0173281	.0172931
	B(45)BLUE / B(45)GREEN =				1.103	
Y7208E	56-06	9	80	1	.0152481	.0149161
Y7208E	56-06	9	80	2	.0130179	.0129829
	B(45)BLUE / B(45)GREEN =				1.149	
Y7208E	56-06	10	90	1	.0194818	.0191498
Y7208E	56-06	10	90	2	.0154675	.0154325
	B(45)BLUE / B(45)GREEN =				1.241	
Y7208E	56-06	11	100	1	.0219265	.0215945
Y7208E	56-06	11	100	2	.0204128	.0203778
	B(45)BLUE / B(45)GREEN =				1.060	
Y7208E	56-06	12	110	1	.0327050	.0323730
Y7208E	56-06	12	110	2	.0273592	.0273242
	B(45)BLUE / B(45)GREEN =				1.185	
Y7208E	58-05	1	0	1	.0292505	.0289185
Y7208E	58-05	1	0	2	.0318870	.0318520
	B(45)BLUE / B(45)GREEN =				.908	
Y7208E	58-05	2	10	1	.0317594	.0314274
Y7208E	58-05	2	10	2	.0281479	.0281129
	B(45)BLUE / B(45)GREEN =				1.118	
Y7208E	58-05	3	20	1	.0106535	.0103215
Y7208E	58-05	3	20	2	.0119442	.0119092
	B(45)BLUE / B(45)GREEN =				.867	
Y7208E	58-05	4	30	1	.0090063	.0086743
Y7208E	58-05	4	30	2	.0087333	.0086983
	B(45)BLUE / B(45)GREEN =				.997	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	58-05	5	40	1	.0107790	.0104470
Y7208E	58-05	5	40	2	.0085179	.0084829
	B(45)BLUE / B(45)GREEN =				1.232	
Y7208E	58-05	6	50	1	.0083080	.0079760
Y7208E	58-05	6	50	2	.0064922	.0064572
	B(45)BLUE / B(45)GREEN =				1.235	
Y7208E	58-05	7	60	1	.0258266	.0254946
Y7208E	58-05	7	60	2	.0231920	.0231570
	B(45)BLUE / B(45)GREEN =				1.101	
Y7208E	58-05	8	70	1	.0164053	.0160733
Y7208E	58-05	8	70	2	.0138248	.0137898
	B(45)BLUE / B(45)GREEN =				1.166	
Y7208E	58-05	9	80	1	.0195140	.0191820
Y7208E	58-05	9	80	2	.0218145	.0217795
	B(45)BLUE / B(45)GREEN =				.881	
Y7208E	60-04	1	0	1	.0088761	.0085441
Y7208E	60-04	1	0	2	.0079340	.0078990
	B(45)BLUE / B(45)GREEN =				1.082	
Y7208E	60-04	2	10	1	.0289177	.0285857
Y7208E	60-04	2	10	2	.0309440	.0309090
	B(45)BLUE / B(45)GREEN =				.925	
Y7208E	60-04	3	20	1	.0100297	.0096977
Y7208E	60-04	3	20	2	.0084278	.0083928
	B(45)BLUE / B(45)GREEN =				1.155	
Y7208E	60-04	4	30	1	.0083610	.0080290
Y7208E	60-04	4	30	2	.0071602	.0071252
	B(45)BLUE / B(45)GREEN =				1.127	
Y7208E	60-04	5	40	1	.0088797	.0085477
Y7208E	60-04	5	40	2	.0063694	.0063344
	B(45)BLUE / B(45)GREEN =				1.349	
Y7208E	60-04	6	50	1	.0087532	.0084212
Y7208E	60-04	6	50	2	.0076816	.0076466
	B(45)BLUE / B(45)GREEN =				1.101	
Y7208E	60-04	7	60	1	.0130881	.0127561
Y7208E	60-04	7	60	2	.0124657	.0124307
	B(45)BLUE / B(45)GREEN =				1.026	
Y7208E	60-04	8	70	1	.0319731	.0316411
Y7208E	60-04	8	70	2	.0300436	.0300086
	B(45)BLUE / B(45)GREEN =				1.054	
Y7208E	62-03	1	0	1	.0700316	.0696996
Y7208E	62-03	1	0	2	.0591043	.0590693
	B(45)BLUE / B(45)GREEN =				1.180	
Y7208E	62-03	2	10	1	.0463779	.0460459
Y7208E	62-03	2	10	2	.0437867	.0437517
	B(45)BLUE / B(45)GREEN =				1.052	
Y7208E	62-03	3	20	1	.0384437	.0381117
Y7208E	62-03	3	20	2	.0380428	.0380078
	B(45)BLUE / B(45)GREEN =				1.003	
Y7208E	62-03	4	30	1	.0239769	.0236449
Y7208E	62-03	4	30	2	.0206362	.0206012
	B(45)BLUE / B(45)GREEN =				1.148	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	62-03	5	40	1	.0250911	.0247591
Y7208E	62-03	5	40	2	.0251940	.0251590
	B(45)BLUE / B(45)GREEN =				.984	
Y7208E	62-03	6	50	1	.0467051	.0463731
Y7208E	62-03	6	50	2	.0387725	.0387375
	B(45)BLUE / B(45)GREEN =				1.197	
Y7208E	62-03	7	55	1	.0329803	.0326483
Y7208E	62-03	7	55	2	.0270602	.0270252
	B(45)BLUE / B(45)GREEN =				1.208	
Y7208E	63-02	1	0	1	.0482580	.0479260
Y7208E	63-02	1	0	2	2.6590525	2.6590175
	B(45)BLUE / B(45)GREEN =				.018	
Y7208E	63-02	2	10	1	.0352313	.0348993
Y7208E	63-02	2	10	2	.0338130	.0337780
	B(45)BLUE / B(45)GREEN =				1.033	
Y7208E	63-02	3	20	1	.0480561	.0477241
Y7208E	63-02	3	20	2	.0425148	.0424798
	B(45)BLUE / B(45)GREEN =				1.123	
Y7208E	80-K5	20	0	1	.0456610	.0453290
Y7208E	80-K5	20	0	2	.0369220	.0368870
	B(45)BLUE / B(45)GREEN =				1.229	
Y7208E	80-K5	1	10	1	.0381049	.0377729
Y7208E	80-K5	1	10	2	.0301521	.0301171
	B(45)BLUE / B(45)GREEN =				1.254	
Y7208E	80-K5	2	20	1	.0349409	.0346089
Y7208E	80-K5	2	20	2	.0254373	.0254023
	B(45)BLUE / B(45)GREEN =				1.362	
Y7208E	80-K5	3	30	1	.0120576	.0117256
Y7208E	80-K5	3	30	2	.0107225	.0106875
	B(45)BLUE / B(45)GREEN =				1.097	
Y7208E	80-K5	4	50	1	.0108875	.0105555
Y7208E	80-K5	4	50	2	.0085729	.0085379
	B(45)BLUE / B(45)GREEN =				1.236	
Y7208E	80-K5	5	70	1	.0126682	.0123362
Y7208E	80-K5	5	70	2	.0092522	.0092172
	B(45)BLUE / B(45)GREEN =				1.338	
Y7208E	80-K5	6	100	1	.0099247	.0095927
Y7208E	80-K5	6	100	2	.0062380	.0062030
	B(45)BLUE / B(45)GREEN =				1.546	
Y7208E	80-K5	7	200	1	.0079646	.0076326
Y7208E	80-K5	7	200	2	.0059223	.0058873
	B(45)BLUE / B(45)GREEN =				1.296	
Y7208E	80-K5	8	300	1	.0187605	.0184285
Y7208E	80-K5	8	300	2	.0158322	.0157972
	B(45)BLUE / B(45)GREEN =				1.167	
Y7208E	80-K5	9	350	1	.0144773	.0141453
Y7208E	80-K5	9	350	2	.0105490	.0105140
	B(45)BLUE / B(45)GREEN =				1.345	
Y7208E	80-K5	10	365	1	.0171589	.0168269
Y7208E	80-K5	10	365	2	.0138858	.0138508
	B(45)BLUE / B(45)GREEN =				1.215	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	80-K5	11	375	1	.0112163	.0108843
Y7208E	80-K5	11	375	2	.0086065	.0085715
	B(45)BLUE / B(45)GREEN =				1.270	
Y7208E	81-K4	1	0	1	.0357287	.0353967
Y7208E	81-K4	1	0	2	.0304767	.0304417
	B(45)BLUE / B(45)GREEN =				1.163	
Y7208E	81-K4	2	10	1	.0299726	.0296406
Y7208E	81-K4	2	10	2	.0261117	.0260767
	B(45)BLUE / B(45)GREEN =				1.137	
Y7208E	81-K4	3	20	1	.0129130	.0125810
Y7208E	81-K4	3	20	2	.0104914	.0104564
	B(45)BLUE / B(45)GREEN =				1.203	
Y7208E	81-K4	4	30	1	.0129435	.0126115
Y7208E	81-K4	4	30	2	.0097883	.0097533
	B(45)BLUE / B(45)GREEN =				1.293	
Y7208E	81-K4	5	50	1	.0206023	.0202703
Y7208E	81-K4	5	50	2	.0155997	.0155647
	B(45)BLUE / B(45)GREEN =				1.302	
Y7208E	81-K4	6	70	1	.0082694	.0079374
Y7208E	81-K4	6	70	2	.0056224	.0055874
	B(45)BLUE / B(45)GREEN =				1.421	
Y7208E	81-K4	7	100	1	.0117671	.0114351
Y7208E	81-K4	7	100	2	.0090870	.0090520
	B(45)BLUE / B(45)GREEN =				1.263	
Y7208E	81-K4	8	125	1	.0109857	.0106537
Y7208E	81-K4	8	125	2	.0092813	.0092463
	B(45)BLUE / B(45)GREEN =				1.152	
Y7208E	81-K4	9	150	1	.0287230	.0283910
Y7208E	81-K4	9	150	2	.0241125	.0240775
	B(45)BLUE / B(45)GREEN =				1.179	
Y7208E	81-K4	10	160	1	.0329998	.0326678
Y7208E	81-K4	10	160	2	.0284492	.0284142
	B(45)BLUE / B(45)GREEN =				1.150	
Y7208E	81-K4	11	175	1	.0307273	.0303953
Y7208E	81-K4	11	175	2	.0243352	.0243002
	B(45)BLUE / B(45)GREEN =				1.251	
Y7208E	81-K4	12	185	1	.0376733	.0373413
Y7208E	81-K4	12	185	2	.0345293	.0344943
	B(45)BLUE / B(45)GREEN =				1.083	
Y7208E	82-K3	1	0	1	.0264088	.0260768
Y7208E	82-K3	1	0	2	.0203292	.0202942
	B(45)BLUE / B(45)GREEN =				1.285	
Y7208E	82-K3	2	10	1	.0256614	.0253294
Y7208E	82-K3	2	10	2	.0222002	.0221652
	B(45)BLUE / B(45)GREEN =				1.143	
Y7208E	82-K3	3	20	1	.0205408	.0202088
Y7208E	82-K3	3	20	2	.0154409	.0154059
	B(45)BLUE / B(45)GREEN =				1.312	
Y7208E	82-K3	4	30	1	.0154782	.0151462
Y7208E	82-K3	4	30	2	.0122381	.0122031
	B(45)BLUE / B(45)GREEN =				1.241	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	82-K3	5	50	1	.0126084	.0122764
Y7208E	82-K3	5	50	2	.0106065	.0105715
	B(45)BLUE / B(45)GREEN =				1.161	
Y7208E	82-K3	6	70	1	.0110358	.0107038
Y7208E	82-K3	6	70	2	.0080675	.0080325
	B(45)BLUE / B(45)GREEN =				1.333	
Y7208E	82-K3	7	90	1	.0129866	.0126546
Y7208E	82-K3	7	90	2	.0102215	.0101865
	B(45)BLUE / B(45)GREEN =				1.242	
Y7208E	82-K3	8	110	1	.0164090	.0160770
Y7208E	82-K3	8	110	2	.0119169	.0118819
	B(45)BLUE / B(45)GREEN =				1.353	
Y7208E	82-K3	9	120	1	.0246271	.0242951
Y7208E	82-K3	9	120	2	.0219801	.0219451
	B(45)BLUE / B(45)GREEN =				1.107	
Y7208E	82-K3	10	129	1	.0150085	.0146765
Y7208E	82-K3	10	129	2	.0131838	.0131488
	B(45)BLUE / B(45)GREEN =				1.116	
Y7208E	82-K3	11	134	1	.0193937	.0190617
Y7208E	82-K3	11	134	2	.0161606	.0161256
	B(45)BLUE / B(45)GREEN =				1.182	
Y7208E	83-K2	1	0	1	.0255542	.0252222
Y7208E	83-K2	1	0	2	.0195038	.0194688
	B(45)BLUE / B(45)GREEN =				1.296	
Y7208E	83-K2	2	10	1	.0259682	.0256362
Y7208E	83-K2	2	10	2	.0228603	.0228253
	B(45)BLUE / B(45)GREEN =				1.123	
Y7208E	83-K2	3	20	1	.0142803	.0139483
Y7208E	83-K2	3	20	2	.0111464	.0111114
	B(45)BLUE / B(45)GREEN =				1.255	
Y7208E	83-K2	4	30	1	.0092300	.0088980
Y7208E	83-K2	4	30	2	.0077784	.0077434
	B(45)BLUE / B(45)GREEN =				1.149	
Y7208E	83-K2	5	50	1	.0086855	.0083535
Y7208E	83-K2	5	50	2	.0068533	.0068183
	B(45)BLUE / B(45)GREEN =				1.225	
Y7208E	83-K2	6	70	1	.0187989	.0184669
Y7208E	83-K2	6	70	2	.0144050	.0143700
	B(45)BLUE / B(45)GREEN =				1.285	
Y7208E	83-K2	7	89	1	.0257126	.0253806
Y7208E	83-K2	7	89	2	.0207182	.0206832
	B(45)BLUE / B(45)GREEN =				1.227	
Y7208E	83-K2	8	99	1	.0343933	.0340613
Y7208E	83-K2	8	99	2	.0290813	.0290463
	B(45)BLUE / B(45)GREEN =				1.173	
Y7208E	83-K2	9	104	1	.1011090	.1007770
Y7208E	83-K2	9	104	2	.0706937	.0706587
	B(45)BLUE / B(45)GREEN =				1.426	
Y7208E	84-K2	1	0	1	.0245515	.0242195
Y7208E	84-K2	1	0	2	.0201503	.0201153
	B(45)BLUE / B(45)GREEN =				1.204	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7208E	84-K2	2	10	1	.0220745	.0217425
Y7208E	84-K2	2	10	2	.0178640	.0178290
	B(45)BLUE / B(45)GREEN =				1.220	
Y7208E	84-K2	3	20	1	.0072254	.0068934
Y7208E	84-K2	3	20	2	.0059763	.0059413
	B(45)BLUE / B(45)GREEN =				1.160	
Y7208E	84-K2	4	30	1	.0103683	.0100363
Y7208E	84-K2	4	30	2	.0070545	.0070195
	B(45)BLUE / B(45)GREEN =				1.430	
Y7208E	84-K2	5	50	1	.0133680	.0130360
Y7208E	84-K2	5	50	2	.0090740	.0090390
	B(45)BLUE / B(45)GREEN =				1.442	
Y7208E	85-K1	1	0	1	.0342494	.0339174
Y7208E	85-K1	1	0	2	.0297593	.0297243
	B(45)BLUE / B(45)GREEN =				1.141	
Y7208E	85-K1	2	10	1	.0501172	.0497852
Y7208E	85-K1	2	10	2	.0258321	.0257971
	B(45)BLUE / B(45)GREEN =				1.930	
Y7208E	85-K1	3	20	1	.0410355	.0407035
Y7208E	85-K1	3	20	2	.0219525	.0219175
	B(45)BLUE / B(45)GREEN =				1.857	
Y7208E	85-K1	4	30	1	.0311797	.0308477
Y7208E	85-K1	4	30	2	.0251699	.0251349
	B(45)BLUE / B(45)GREEN =				1.227	
Y7208E	85-K1	5	40	1	.0314114	.0310794
Y7208E	85-K1	5	40	2	.0253229	.0252879
	B(45)BLUE / B(45)GREEN =				1.229	
Y7208E	85-K1	6	48	1	.0349284	.0345964
Y7208E	85-K1	6	48	2	.0275345	.0274995
	B(45)BLUE / B(45)GREEN =				1.258	
Y7208E	86-K1	1	0	1	.1154441	.1151121
Y7208E	86-K1	1	0	2	.0779211	.0778861
	B(45)BLUE / B(45)GREEN =				1.478	
Y7208E	86-K1	2	10	1	.0835847	.0832527
Y7208E	86-K1	2	10	2	.0705582	.0705232
	B(45)BLUE / B(45)GREEN =				1.181	
Y7208E	86-K1	3	20	1	.0695229	.0691909
Y7208E	86-K1	3	20	2	.0496967	.0496617
	B(45)BLUE / B(45)GREEN =				1.393	
Y7208E	86-K1	4	24	1	.0749665	.0746345
Y7208E	86-K1	4	24	2	.0644313	.0643963
	B(45)BLUE / B(45)GREEN =				1.159	

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
23	1	15112	9736	3836	2356047	424891	517135	5.183	2.981E-02	-0.36	17594	1.1010	0	G15
23	2	37110	23086	8572	5201109	963711	1248975	11.442	3.069E-02	-0.37	42127	1.0996	10	G15
24	1	6038	2924	792	439742	103579	184218	.967	3.025E-02	-0.47	7317	1.1835	0	G2
24	2	5904	3324	1132	637707	132452	195075	1.403	4.534E-02	-0.42	7275	1.0321	10	G2
24	3	5956	3574	992	554704	126840	220615	1.220	0E 00	-0.46	8444	.8824	20	G2
24	4	6048	3282	960	526208	122233	207105	1.158	0E 00	-0.46	8398	.9043	30	G2
24	5	7756	4068	1370	752355	163103	247257	1.655	0E 00	-0.43	9760	.9437	40	G2
27	1	7950	5120	1390	791945	176412	308781	1.742	0E 00	-0.45	11146	.8197	0	G3
27	5	1058	542	146	79658	19885	35938	.175	2.556E-02	-0.50	1578	1.2626	40	G3
27	7	1386	574	106	65827	21304	45294	.145	4.856E-02	-0.65	2841	1.1305	60	G3
27	8	1316	632	190	83511	22860	44523	.184	4.929E-02	-0.55	2181	1.0767	70	G3
27	9	1904	802	196	108642	30830	59355	.239	5.676E-02	-0.57	3161	1.0507	80	G3
27	10	1902	836	148	92756	29962	64803	.204	4.724E-02	-0.65	3980	1.1386	90	G3
29	1	14766	8284	2192	1211390	293576	532547	2.665	3.347E-02	-0.48	21954	1.1578	0	G4
29	2	9084	5442	1354	758227	184774	347487	1.668	3.391E-02	-0.49	13971	1.1550	10	G4
29	3	3632	2032	380	225571	65366	142212	.496	6.423E-02	-0.58	6989	1.0295	20	G4
29	4	1502	832	146	88747	26578	59132	.195	0E 00	-0.60	3035	.0058	30	G4
29	5	988	432	110	60206	16509	31126	.132	6.350E-02	-0.55	1581	1.0218	40	G4
29	6	910	368	106	56339	14976	26577	.124	2.864E-02	-0.53	1347	1.2455	50	G4
29	7	1000	452	126	67714	17495	31305	.149	2.380E-02	-0.52	1487	1.3004	60	G4
29	8	1508	576	140	78286	23093	44646	.172	0E 00	-0.59	2558	.0040	70	G4
29	9	1576	754	136	83313	25945	56319	.183	4.519E-02	-0.62	3204	1.1411	80	G4
29	10	2552	1098	180	117739	39546	86909	.259	5.955E-02	-0.67	5676	1.0808	90	G4
29	11	2708	1232	208	132524	43173	94908	.292	4.124E-02	-0.65	5834	1.1885	100	G4
29	12	3294	1324	242	151932	49870	106010	.334	5.809E-02	-0.66	6841	1.0810	110	G4
29	13	2428	1012	168	109994	37115	81008	.242	4.841E-02	-0.67	5380	1.1454	120	G4
30	1	8354	4992	1254	701534	170235	318181	1.543	4.768E-02	-0.49	12763	1.0544	0	G5
30	2	10844	5790	1116	658022	191267	409717	1.448	6.277E-02	-0.58	20575	1.0347	10	G5
30	3	5192	3258	608	359109	99759	219298	.790	3.538E-02	-0.56	9802	1.1852	20	G5
30	4	2352	1434	304	174202	45912	94814	.383	3.713E-02	-0.53	4061	1.1505	30	G5
30	5	1682	740	132	82415	26528	57267	.181	2.937E-02	-0.64	3500	1.3033	40	G5
30	6	804	390	118	63357	15186	25516	.139	2.205E-02	-0.48	1111	1.3004	50	G5
30	7	1098	420	106	58495	16947	32248	.129	5.134E-02	-0.58	1811	1.0807	60	G5
30	8	850	410	80	47409	14216	30088	.104	2.556E-02	-0.60	1628	1.3252	70	G5
30	9	1034	484	106	60459	17375	35106	.133	3.640E-02	-0.57	1827	1.1872	80	G5
30	10	1478	660	120	74062	23530	50602	.163	3.420E-02	-0.64	3024	1.2454	90	G5
30	11	2870	1050	210	128466	41888	86355	.283	3.303E-02	-0.65	5670	1.2680	100	G5
30	12	2672	1142	236	138706	42305	87098	.305	4.153E-02	-0.61	5011	1.1626	110	G5
30	13	4778	1950	320	211867	72298	157752	.466	8.474E-02	-0.68	10719	1.0108	120	G5
31	1	10690	6300	1770	986252	225795	390001	2.170	2.175E-02	-0.46	15069	1.2893	0	G6
31	2	19768	9452	2436	1331412	350178	653102	2.929	2.527E-02	-0.53	30843	1.2859	10	G6
31	3	6052	3772	979	550436	128725	234576	1.211	0E 00	-0.47	8964	.9392	20	G6
31	4	2358	1198	262	148930	41526	84112	.328	3.508E-02	-0.56	4110	1.1900	30	G6
31	5	1862	932	162	100165	31212	68856	.220	5.398E-02	-0.62	3859	1.0872	40	G6
31	6	1112	516	130	71339	19211	36329	.157	0E 00	-0.54	1774	.0102	50	G6
31	7	944	450	124	67011	17038	30551	.147	3.010E-02	-0.51	1402	1.2123	60	G6
31	8	1004	480	124	67742	17796	33147	.149	3.655E-02	-0.53	1564	1.1551	70	G6
31	9	852	418	108	59072	15354	28553	.130	0E 00	-0.52	1321	6.314*	80	G6
31	10	722	276	82	43240	11572	20302	.095	3.875E-02	-0.54	1055	1.1421	90	G6
31	11	720	314	88	47156	12330	22066	.104	7.324E-05	-0.52	1073	1.6270	100	G6

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVCL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
31	12	650	288	50	31586	10259	22323	.069	2.336E-02	-0.65	1378	1.3783	110	G6
31	13	576	244	54	30938	9178	18421	.068	4.944E-02	-0.59	1028	1.0980	120	G6
54	1	10556	5984	1414	791924	203210	395443	1.742	5.471E-02	-0.51	17036	1.0368	0	D7
54	2	9564	6114	1576	891415	206757	377465	1.961	5.896E-02	-0.46	14162	1.0076	10	D7
54	3	7508	5766	1440	850822	184315	338246	1.872	3.450E-02	-0.43	11013	1.1113	20	D7
54	4	4130	2150	358	224200	70230	157675	.493	5.764E-02	-0.63	8774	1.0706	30	D7
54	5	2164	1286	226	136393	39795	89176	.300	4.812E-02	-0.58	4313	1.1009	40	D7
54	6	1704	878	176	102682	29690	62470	.226	5.076E-02	-0.58	3161	1.0831	50	D7
54	7	1612	854	176	101625	28700	59780	.224	3.713E-02	-0.56	2915	1.1746	60	D7
54	8	2086	1004	214	122919	35413	72429	.270	6.189E-02	-0.58	3742	1.0353	70	D7
54	9	2178	1010	232	130446	36775	72758	.287	4.724E-02	-0.56	3721	1.0963	80	D7
54	10	1530	566	146	80176	23277	43931	.176	0E 00	-0.58	2498	.9967	90	D7
54	11	876	408	92	52008	14768	29463	.114	2.981E-02	-0.57	1516	1.2551	100	D7
54	12	810	396	80	46743	13729	28709	.103	5.706E-02	-0.59	1508	1.0575	110	D7
54	13	1320	588	144	79607	22092	42436	.175	4.548E-02	-0.56	2166	1.1030	120	D7
56	1	12098	7870	2314	1331323	282513	462197	2.929	0E 00	-0.42	16198	.0078	0	D6
56	2	10576	7058	1800	1027170	235014	430664	2.260	1.707E-02	-0.46	15664	1.3681	10	D6
56	3	4660	2720	622	350853	90496	179323	.772	0E 00	-0.52	7666	.0081	20	D6
56	4	1932	1062	190	114747	34158	75421	.252	0E 00	-0.60	3854	.0085	30	D6
56	5	1682	846	138	87735	28051	63045	.193	2.688E-02	-0.64	3651	1.3312	40	D6
56	6	1215	582	122	70505	20527	42257	.155	4.358E-02	-0.58	2215	1.1308	50	D6
56	7	1124	548	130	72380	19701	38372	.159	3.640E-02	-0.54	1858	1.1683	60	D6
56	8	3180	1390	312	177363	51679	103208	.390	4.768E-02	-0.58	5586	1.1034	70	D6
56	9	2696	1134	266	149405	43253	84787	.329	4.109E-02	-0.58	4616	1.1489	80	D6
56	10	3224	1444	272	165149	51622	109890	.363	3.406E-02	-0.63	6422	1.2409	90	D6
56	11	3818	1654	316	191663	60224	127296	.422	6.042E-02	-0.63	7571	1.0597	100	D6
56	12	5180	2524	474	284804	86575	185831	.627	3.889E-02	-0.61	10186	1.1848	110	D6
58	1	7540	4740	1378	782975	170218	283052	1.723	0E 00	-0.43	10243	.9079	0	D5
58	2	7552	4938	1434	824643	175931	290762	1.814	3.333E-02	-0.43	10195	1.1179	10	D5
58	3	3642	2344	412	247368	70060	158318	.544	0E 00	-0.57	7155	.8667	20	D5
58	4	1934	958	210	119395	33576	67902	.263	0E 00	-0.56	3381	.9972	30	D5
58	5	1204	628	146	81716	21877	43016	.180	2.996E-02	-0.54	1996	1.2315	40	D5
58	6	756	386	94	52077	13732	26353	.115	2.922E-02	-0.53	1216	1.2352	50	D5
58	7	6376	3192	860	468139	118005	213663	1.030	4.167E-02	-0.50	9547	1.1009	60	D5
58	8	3608	1788	536	288891	68947	116254	.636	3.215E-02	-0.48	5000	1.1656	70	D5
58	9	3118	1410	300	173279	51119	104386	.381	0E 00	-0.59	5664	.8807	80	D5
60	1	8156	4218	800	475709	140938	302996	1.047	5.237E-02	-0.59	15751	1.0817	0	D4
60	2	7240	4122	778	459892	131831	286183	1.012	0E 00	-0.57	13793	.9248	10	D4
60	3	1526	788	152	89847	26428	56453	.198	4.094E-02	-0.59	2911	1.1555	20	D4
60	4	1170	482	152	79963	19816	32990	.176	3.757E-02	-0.50	1549	1.1269	30	D4
60	5	840	390	92	51333	14280	27905	.113	2.205E-02	-0.56	1407	1.3494	40	D4
60	6	1092	490	98	58006	17648	36848	.128	5.017E-02	-0.61	2080	1.1013	50	D4
60	7	2998	1456	372	203737	53499	100183	.448	5.925E-02	-0.53	4695	1.0262	60	D4
60	8	6782	3046	618	363673	109900	228333	.800	5.940E-02	-0.60	12779	1.0544	70	D4
62	1	12424	5860	1522	830171	218683	406404	1.826	3.406E-02	-0.53	19321	1.1800	0	D3
62	2	9928	4658	1496	816157	182656	289051	1.796	4.446E-02	-0.45	11648	1.0524	10	D3
62	3	5284	3364	1018	556864	127594	210995	1.225	6.057E-02	-0.46	8529	1.0027	20	D3
62	4	5142	2390	594	327003	88608	168738	.719	3.860E-02	-0.54	8284	1.1477	30	D3
62	5	4850	2470	660	360218	90545	164563	.792	0E 00	-0.50	7284	.9841	40	D3
62	6	5600	2856	682	379339	101085	196057	.835	3.283E-02	-0.53	9139	1.1971	50	D3

STA	POTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TL/OL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
62	7	5710	2744	674	355473	98577	194511	.782	3.318E-02	-0.55	9652	1.2081	55	D3
63	1	10732	5496	820	542832	179009	412401	1.194	0E 00	-0.66	24807	.0180	0	D2
63	2	8434	4070	682	431317	138234	306763	.949	6.965E-02	-0.64	18079	1.0332	10	D2
63	3	7968	3934	916	512744	140061	275307	1.127	4.197E-02	-0.55	13327	1.1234	20	D2
80	20	9974	5288	1444	793107	192877	344348	1.738	2.761E-02	-0.49	14634	1.2289	0	K5
80	1	10820	6416	1626	808151	220032	409065	1.998	2.542E-02	-0.48	16446	1.2542	10	K5
80	2	8290	4590	1036	584356	155058	309544	1.286	2.014E-02	-0.53	13901	1.3624	20	K5
80	3	4318	2614	800	452710	97086	155420	.996	3.582E-02	-0.43	5685	1.0971	30	K5
80	4	1250	552	146	79191	21222	39203	.174	2.966E-02	-0.54	1941	1.2363	50	K5
80	5	886	418	84	48343	14716	30769	.109	2.454E-02	-0.60	1666	1.3384	70	K5
80	6	704	300	66	37874	11242	22619	.083	6.372E-03	-0.59	1261	1.5465	100	K5
80	7	714	314	68	39128	11566	23434	.086	2.747E-02	-0.59	1287	1.2964	200	K5
80	8	1968	970	162	102232	32580	72563	.225	4.285E-02	-0.64	4213	1.1666	300	K5
80	9	1242	558	128	72112	20587	40750	.159	2.292E-02	-0.57	2136	1.3454	350	K5
80	10	900	402	82	48184	14554	30172	.106	3.552E-02	-0.60	1691	1.2149	365	K5
80	11	862	342	66	40452	13035	27285	.089	3.245E-02	-0.64	1724	1.2698	375	K5
81	1	7226	4316	1046	586806	145281	277911	1.291	3.376E-02	-0.50	11338	1.1628	0	K4
81	2	8156	5052	1256	706816	169796	318790	1.555	3.538E-02	-0.48	12476	1.1367	10	K4
81	3	3586	1970	248	176842	61095	147516	.389	4.197E-02	-0.69	9284	1.2032	20	K4
81	4	2504	1284	174	121126	41527	97577	.266	3.230E-02	-0.69	6215	1.2930	30	K4
81	5	5324	2262	342	234692	81690	182062	.516	3.186E-02	-0.70	12601	1.3023	50	K4
81	6	884	380	94	51873	14523	27788	.114	1.707E-02	-0.56	1449	1.4206	70	K4
81	7	1392	558	110	66627	21205	44149	.147	3.259E-02	-0.64	2735	1.2633	100	K4
81	8	1632	692	130	79736	25420	53901	.175	4.475E-02	-0.64	3289	1.1522	125	K4
81	9	4678	2328	466	272742	79930	167918	.600	3.801E-02	-0.59	8740	1.1791	150	K4
81	10	4274	2172	474	263598	75241	152556	.593	3.948E-02	-0.56	7462	1.1497	160	K4
81	11	4714	2388	444	266592	80293	173534	.587	3.201E-02	-0.60	9274	1.2508	175	K4
81	12	4916	2328	470	275502	81880	170948	.606	5.237E-02	-0.59	9209	1.0825	185	K4
82	1	6934	3764	674	407448	121787	268476	.896	2.878E-02	-0.60	13854	1.2849	0	K3
82	2	7322	3790	628	394499	124078	278753	.868	4.548E-02	-0.63	15628	1.1428	10	K3
82	3	5682	2614	416	272435	90614	202320	.599	2.966E-02	-0.67	12764	1.3118	20	K3
82	4	3306	1580	268	163816	54000	119297	.371	3.494E-02	-0.64	7035	1.2412	30	K3
82	5	3242	1550	342	194372	55225	111275	.428	3.889E-02	-0.57	5676	1.1613	50	K3
82	6	1830	826	184	104618	30232	60600	.230	2.410E-02	-0.58	3214	1.3326	70	K3
82	7	1502	684	162	90342	25269	49296	.199	3.040E-02	-0.56	2517	1.2423	90	K3
82	8	2374	1078	208	124747	38402	81221	.274	2.410E-02	-0.62	4634	1.3531	110	K3
82	9	4024	1972	370	219073	66157	139030	.482	4.885E-02	-0.60	7682	1.1071	120	K3
82	10	2050	950	166	103686	33090	72244	.228	5.002E-02	-0.64	4291	1.1162	129	K3
82	11	2964	1300	246	143550	46988	99709	.329	4.050E-02	-0.63	5906	1.1821	134	K3
83	1	6280	3192	526	332241	105393	236562	.731	2.966E-02	-0.63	13503	1.2955	0	K25
83	2	5844	3222	644	374618	105758	223673	.824	4.329E-02	-0.56	10732	1.1231	10	K25
83	3	2706	1372	190	131055	44703	104393	.288	3.582E-02	-0.68	6622	1.2553	20	K25
83	4	826	402	104	56847	14815	27542	.125	3.699E-02	-0.52	1281	1.1491	30	K25
83	5	1256	574	146	73930	21552	40577	.176	3.069E-02	-0.54	1995	1.2252	50	K25
83	6	3820	1786	426	236948	65380	127078	.521	2.659E-02	-0.55	6338	1.2851	70	K25
83	7	4212	2010	488	270179	73308	141179	.594	3.083E-02	-0.54	6872	1.2271	89	K25
83	8	5300	2496	532	306048	88886	181655	.673	3.845E-02	-0.58	9546	1.1726	99	K25
83	9	7018	3488	752	429607	121628	247810	.945	1.692E-02	-0.57	12413	1.4262	104	K25
84	1	5954	3072	474	306002	99961	228753	.678	3.933E-02	-0.65	13406	1.2040	0	K2
84	2	5452	2714	458	287170	90807	201924	.632	3.669E-02	-0.63	11561	1.2195	10	K2

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
84	3	1102	428	112	61041	17285	32337	.134	3.889E-02	-0.57	1765	1.1602	20	K2
84	4	1076	524	122	68248	18758	36876	.150	1.619E-02	-0.55	1804	1.4298	30	K2
84	5	1428	724	146	85108	24687	51769	.187	1.604E-02	-0.58	2645	1.4422	50	K2
84	6	6506	3268	764	426896	115682	226899	.939	0E 00	-0.54	10816	0	70	K2
84	7	6882	3422	850	468621	123639	234932	1.031	0E 00	-0.53	10958	0	77	K2
85	1	8532	4496	1088	604290	157825	303638	1.329	3.787E-02	-0.52	13707	1.1411	0	K15
85	2	8404	4212	980	548216	149044	293042	1.206	7.324E-05	-0.54	14026	1.9299	10	K15
85	3	7416	3818	898	501220	134091	262112	1.103	7.324E-05	-0.54	12219	1.8571	20	K15
85	4	5978	2878	660	370796	103132	204218	.816	3.157E-02	-0.56	10158	1.2273	30	K15
85	5	6084	2962	708	393472	106754	207138	.866	3.054E-02	-0.54	10005	1.2290	40	K15
85	6	6114	2726	596	341360	99958	201851	.751	3.040E-02	-0.59	10913	1.2581	48	K15
86	1	15668	7760	2312	1246282	298557	505711	2.742	1.091E-02	-0.48	21815	1.4780	0	K1
86	2	10544	5548	1766	964857	216229	344175	2.123	2.893E-02	-0.45	13827	1.1805	10	K1
86	3	9282	4996	1528	837267	190149	311480	1.842	1.545E-02	-0.45	12487	1.3932	20	K1
86	4	7908	4226	1318	721805	162566	262413	1.588	3.098E-02	-0.45	10499	1.1590	24	K1

THIS ENDS DATA FOR CRUISE Y7208E

CRUISE Y7210B

28-30 October 1972

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	1-D2	1	0	1	.0395422	.0392132
Y7210B	1-D2	1	0	2	.0368249	.0367899
	B(45)BLUE / B(45)GREEN =				1.066	
Y7210B	1-D2	2	10	1	.0588211	.0584891
Y7210B	1-D2	2	10	2	.0510219	.0509869
	B(45)BLUE / B(45)GREEN =				1.147	
Y7210B	1-D2	3	20	1	.0485368	.0482048
Y7210B	1-D2	3	20	2	.0491322	.0490972
	B(45)BLUE / B(45)GREEN =				.982	
Y7210B	2-D3	1	0	1	.0310469	.0307149
Y7210B	2-D3	1	0	2	.0298374	.0298024
	B(45)BLUE / B(45)GREEN =				1.031	
Y7210B	2-D3	2	10	1	.0488668	.0485348
Y7210B	2-D3	2	10	2	.0566910	.0566560
	B(45)BLUE / B(45)GREEN =				.857	
Y7210B	2-D3	3	20	1	.0192849	.0189529
Y7210B	2-D3	3	20	2	.0188970	.0188620
	B(45)BLUE / B(45)GREEN =				1.005	
Y7210B	2-D3	4	30	1	.0516786	.0513466
Y7210B	2-D3	4	30	2	.0556412	.0556062
	B(45)BLUE / B(45)GREEN =				.923	
Y7210B	2-D3	5	40	1	.0306597	.0303277
Y7210B	2-D3	5	40	2	.0308320	.0307970
	B(45)BLUE / B(45)GREEN =				.985	
Y7210B	2-D3	6	50	1	.0416971	.0413651
Y7210B	2-D3	6	50	2	.0409435	.0409085
	B(45)BLUE / B(45)GREEN =				1.011	
Y7210B	3-D4	1	0	1	.0246328	.0243008
Y7210B	3-D4	1	0	2	.0216596	.0216246
	B(45)BLUE / B(45)GREEN =				1.124	
Y7210B	3-D4	2	10	1	.0298187	.0294867
Y7210B	3-D4	2	10	2	.0294374	.0294024
	B(45)BLUE / B(45)GREEN =				1.003	
Y7210B	3-D4	3	20	1	.0272258	.0268938
Y7210B	3-D4	3	20	2	.0223062	.0222712
	B(45)BLUE / B(45)GREEN =				1.208	
Y7210B	3-D4	4	30	1	.0194470	.0191150
Y7210B	3-D4	4	30	2	.0206932	.0206582
	B(45)BLUE / B(45)GREEN =				.925	
Y7210B	3-D4	5	40	1	.0226881	.0223561
Y7210B	3-D4	5	40	2	.0135865	.0135515
	B(45)BLUE / B(45)GREEN =				1.650	
Y7210B	3-D4	6	50	1	.0214940	.0211620
Y7210B	3-D4	6	50	2	.0207571	.0207221
	B(45)BLUE / B(45)GREEN =				1.021	
Y7210B	3-D4	7	60	1	.0315113	.0311793
Y7210B	3-D4	7	60	2	.0318683	.0318333
	B(45)BLUE / B(45)GREEN =				.979	
Y7210B	3-D4	8	70	1	.0577516	.0574196
Y7210B	3-D4	8	70	2	.0586309	.0585959
	B(45)BLUE / B(45)GREEN =				.980	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	4-D5	1	0	1	.0238489	.0235169
Y7210B	4-D5	1	0	2	.0226120	.0225770
	B(45)BLUE / B(45)GREEN =				1.042	
Y7210B	4-D5	2	10	1	.0226975	.0223655
Y7210B	4-D5	2	10	2	.0228422	.0228072
	B(45)BLUE / B(45)GREEN =				.981	
Y7210B	4-D5	3	20	1	.0211325	.0208005
Y7210B	4-D5	3	20	2	.0190877	.0190527
	B(45)BLUE / B(45)GREEN =				1.092	
Y7210B	4-D5	4	30	1	.0175097	.0171777
Y7210B	4-D5	4	30	2	.0172071	.0171721
	B(45)BLUE / B(45)GREEN =				1.000	
Y7210B	4-D5	5	40	1	.0149041	.0145721
Y7210B	4-D5	5	40	2	.0138700	.0138350
	B(45)BLUE / B(45)GREEN =				1.053	
Y7210B	4-D5	6	50	1	.0143829	.0140509
Y7210B	4-D5	6	50	2	.0129635	.0129285
	B(45)BLUE / B(45)GREEN =				1.087	
Y7210B	4-D5	7	60	1	.0185519	.0182199
Y7210B	4-D5	7	60	2	.0172894	.0172544
	B(45)BLUE / B(45)GREEN =				1.056	
Y7210B	4-D5	8	70	1	.0196184	.0192864
Y7210B	4-D5	8	70	2	.0200612	.0200262
	B(45)BLUE / B(45)GREEN =				.963	
Y7210B	4-D5	9	80	1	.0266397	.0263077
Y7210B	4-D5	9	80	2	.0229231	.0228881
	B(45)BLUE / B(45)GREEN =				1.149	
Y7210B	5-D6	1	0	1	.0153284	.0149964
Y7210B	5-D6	1	0	2	.0129392	.0129042
	B(45)BLUE / B(45)GREEN =				1.162	
Y7210B	5-D6	2	10	1	.0137427	.0134107
Y7210B	5-D6	2	10	2	.0134013	.0133663
	B(45)BLUE / B(45)GREEN =				1.003	
Y7210B	5-D6	3	20	1	.0141366	.0138046
Y7210B	5-D6	3	20	2	.0120367	.0120017
	B(45)BLUE / B(45)GREEN =				1.150	
Y7210B	5-D6	4	30	1	.0125677	.0122357
Y7210B	5-D6	4	30	2	.0110836	.0110486
	B(45)BLUE / B(45)GREEN =				1.107	
Y7210B	5-D6	6	50	1	.0123864	.0120544
Y7210B	5-D6	6	50	2	.0114494	.0114144
	B(45)BLUE / B(45)GREEN =				1.056	
Y7210B	5-D6	7	60	1	.0120767	.0117447
Y7210B	5-D6	7	60	2	.0105409	.0105059
	B(45)BLUE / B(45)GREEN =				1.118	
Y7210B	5-D6	8	70	1	.0142237	.0138917
Y7210B	5-D6	8	70	2	.0132683	.0132333
	B(45)BLUE / B(45)GREEN =				1.050	
Y7210B	5-D6	9	80	1	.0134186	.0130866
Y7210B	5-D6	9	80	2	.0110569	.0110219
	B(45)BLUE / B(45)GREEN =				1.187	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	5-D6	10	90	1	.0500917	.0497597
Y7210B	5-D6	10	90	2	.0580107	.0579757
	B(45)BLUE / B(45)GREEN =				.858	
Y7210B	5-D6	11	100	1	.0270729	.0267409
Y7210B	5-D6	11	100	2	.0274726	.0274376
	B(45)BLUE / B(45)GREEN =				.975	
Y7210B	5-D6	12	110	1	-0.2367974	-0.2371234
Y7210B	5-D6	12	110	2	.0398618	.0398268
	B(45)BLUE / B(45)GREEN =				-5.954	
Y7210B	6-D7	1	0	1	.0168112	.0164792
Y7210B	6-D7	1	0	2	.0146233	.0145888
	B(45)BLUE / B(45)GREEN =				1.130	
Y7210B	6-D7	2	10	1	.0109881	.0106561
Y7210B	6-D7	2	10	2	.0103269	.0102919
	B(45)BLUE / B(45)GREEN =				1.035	
Y7210B	6-D7	3	20	1	.0166987	.0163667
Y7210B	6-D7	3	20	2	.0149787	.0149437
	B(45)BLUE / B(45)GREEN =				1.095	
Y7210B	6-D7	4	30	1	.0104817	.0101497
Y7210B	6-D7	4	30	2	.0098552	.0098202
	B(45)BLUE / B(45)GREEN =				1.034	
Y7210B	6-D7	5	40	1	.0102285	.0098965
Y7210B	6-D7	5	40	2	.0080011	.0079661
	B(45)BLUE / B(45)GREEN =				1.242	
Y7210B	6-D7	6	50	1	.0094690	.0091370
Y7210B	6-D7	6	50	2	.0084662	.0084312
	B(45)BLUE / B(45)GREEN =				1.084	
Y7210B	6-D7	7	60	1	.0104817	.0101497
Y7210B	6-D7	7	60	2	.0085702	.0085352
	B(45)BLUE / B(45)GREEN =				1.189	
Y7210B	6-D7	8	70	1	.0109881	.0106561
Y7210B	6-D7	8	70	2	.0092839	.0092489
	B(45)BLUE / B(45)GREEN =				1.152	
Y7210B	6-D7	9	80	1	.0115329	.0112009
Y7210B	6-D7	9	80	2	.0096303	.0095953
	B(45)BLUE / B(45)GREEN =				1.167	
Y7210B	6-D7	10	90	1	.0165806	.0162486
Y7210B	6-D7	10	90	2	.0162319	.0161969
	B(45)BLUE / B(45)GREEN =				1.003	
Y7210B	6-D7	11	100	1	.0173176	.0169856
Y7210B	6-D7	11	100	2	.0163400	.0163050
	B(45)BLUE / B(45)GREEN =				1.042	
Y7210B	6-D7	12	110	1	.0147858	.0144538
Y7210B	6-D7	12	110	2	.0139855	.0139505
	B(45)BLUE / B(45)GREEN =				1.036	
Y7210B	6-D7	13	120	1	.0129610	.0126290
Y7210B	6-D7	13	120	2	.0414851	.0414501
	B(45)BLUE / B(45)GREEN =				.305	
Y7210B	7-D8	1	0	1	.0168112	.0164792
Y7210B	7-D8	1	0	2	.0196294	.0195944
	B(45)BLUE / B(45)GREEN =				.841	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	7-D8	2	10	1	.0130573	.0127253
Y7210B	7-D8	2	10	2	.0120318	.0119968
	B(45)BLUE / B(45)GREEN =				1.061	
Y7210B	7-D8	3	20	1	.0133789	.0130469
Y7210B	7-D8	3	20	2	.0125890	.0125540
	B(45)BLUE / B(45)GREEN =				1.039	
Y7210B	7-D8	4	30	1	.0112389	.0109069
Y7210B	7-D8	4	30	2	.0106051	.0105701
	B(45)BLUE / B(45)GREEN =				1.032	
Y7210B	7-D8	5	40	1	.0120251	.0116931
Y7210B	7-D8	5	40	2	.0101296	.0100946
	B(45)BLUE / B(45)GREEN =				1.158	
Y7210B	7-D8	6	50	1	.0117925	.0114605
Y7210B	7-D8	6	50	2	.0101296	.0100946
	B(45)BLUE / B(45)GREEN =				1.135	
Y7210B	7-D8	7	60	1	.0094446	.0091126
Y7210B	7-D8	7	60	2	.0084366	.0084016
	B(45)BLUE / B(45)GREEN =				1.085	
Y7210B	7-D8	8	70	1	.0144365	.0141045
Y7210B	7-D8	8	70	2	.0138010	.0137660
	B(45)BLUE / B(45)GREEN =				1.025	
Y7210B	7-D8	9	80	1	.0166009	.0162689
Y7210B	7-D8	9	80	2	.0181377	.0181027
	B(45)BLUE / B(45)GREEN =				.899	
Y7210B	7-D8	10	90	1	.0207274	.0203954
Y7210B	7-D8	10	90	2	.0181377	.0181027
	B(45)BLUE / B(45)GREEN =				1.127	
Y7210B	7-D8	11	100	1	.0221372	.0218052
Y7210B	7-D8	11	100	2	.0189151	.0188801
	B(45)BLUE / B(45)GREEN =				1.155	
Y7210B	7-D8	12	110	1	.0250028	.0246708
Y7210B	7-D8	12	110	2	.0229481	.0229131
	B(45)BLUE / B(45)GREEN =				1.077	
Y7210B	7-D8	13	120	1	.0238401	.0235081
Y7210B	7-D8	13	120	2	.0211757	.0211407
	B(45)BLUE / B(45)GREEN =				1.112	
Y7210B	16-G7	1	0	1	.0357607	.0354287
Y7210B	16-G7	1	0	2	.0324928	.0324578
	B(45)BLUE / B(45)GREEN =				1.092	
Y7210B	16-G7	2	10	1	.0179411	.0176091
Y7210B	16-G7	2	10	2	.0175131	.0174781
	B(45)BLUE / B(45)GREEN =				1.007	
Y7210B	16-G7	3	20	1	.0158467	.0155147
Y7210B	16-G7	3	20	2	.0145498	.0145148
	B(45)BLUE / B(45)GREEN =				1.069	
Y7210B	16-G7	4	30	1	.0160791	.0157471
Y7210B	16-G7	4	30	2	.0154713	.0154363
	B(45)BLUE / B(45)GREEN =				1.020	
Y7210B	16-G7	5	40	1	.0109724	.0106404
Y7210B	16-G7	5	40	2	.0094947	.0094597
	B(45)BLUE / B(45)GREEN =				1.125	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	16-G7	6	50	1	.0114319	.0110999
Y7210B	16-G7	6	50	2	.0091698	.0091348
	B(45)BLUE / B(45)GREEN =				1.215	
Y7210B	16-G7	7	60	1	.0132908	.0129588
Y7210B	16-G7	7	60	2	.0125047	.0124697
	B(45)BLUE / B(45)GREEN =				1.039	
Y7210B	16-G7	8	70	1	.0149723	.0146403
Y7210B	16-G7	8	70	2	.0139146	.0138796
	B(45)BLUE / B(45)GREEN =				1.055	
Y7210B	16-G7	9	80	1	.0185117	.0181797
Y7210B	16-G7	9	80	2	.0182902	.0182552
	B(45)BLUE / B(45)GREEN =				.996	
Y7210B	16-G7	10	90	1	.0130890	.0127570
Y7210B	16-G7	10	90	2	.0115079	.0114729
	B(45)BLUE / B(45)GREEN =				1.112	
Y7210B	16-G7	11	100	1	.0143453	.0140133
Y7210B	16-G7	11	100	2	.0117605	.0117255
	B(45)BLUE / B(45)GREEN =				1.195	
Y7210B	16-G7	12	110	1	.0185420	.0182100
Y7210B	16-G7	12	110	2	.0169874	.0169524
	B(45)BLUE / B(45)GREEN =				1.074	
Y7210B	16-G7	13	120	1	.0200059	.0196739
Y7210B	16-G7	13	120	2	.0182942	.0182592
	B(45)BLUE / B(45)GREEN =				1.077	
Y7210B	17-G6	1	0	1	.0194726	.0191406
Y7210B	17-G6	1	0	2	.0165812	.0165462
	B(45)BLUE / B(45)GREEN =				1.157	
Y7210B	17-G6	2	10	1	.0162271	.0158951
Y7210B	17-G6	2	10	2	.0137206	.0136856
	B(45)BLUE / B(45)GREEN =				1.161	
Y7210B	17-G6	3	20	1	.0153286	.0149966
Y7210B	17-G6	3	20	2	.0133117	.0132767
	B(45)BLUE / B(45)GREEN =				1.130	
Y7210B	17-G6	4	30	1	.0146924	.0143604
Y7210B	17-G6	4	30	2	.0125107	.0124757
	B(45)BLUE / B(45)GREEN =				1.151	
Y7210B	17-G6	5	40	1	.0104875	.0101555
Y7210B	17-G6	5	40	2	.0087198	.0086848
	B(45)BLUE / B(45)GREEN =				1.169	
Y7210B	17-G6	6	50	1	.0122190	.0118870
Y7210B	17-G6	6	50	2	.0103093	.0102743
	B(45)BLUE / B(45)GREEN =				1.157	
Y7210B	17-G6	7	60	1	.0129109	.0125789
Y7210B	17-G6	7	60	2	.0122084	.0121734
	B(45)BLUE / B(45)GREEN =				1.033	
Y7210B	17-G6	8	70	1	.0115644	.0112324
Y7210B	17-G6	8	70	2	.0094218	.0093868
	B(45)BLUE / B(45)GREEN =				1.197	
Y7210B	17-G6	9	80	1	.0107349	.0104029
Y7210B	17-G6	9	80	2	.0088815	.0088465
	B(45)BLUE / B(45)GREEN =				1.176	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	17-G6	10	90	1	.0102163	.0098843
Y7210B	17-G6	10	90	2	.0082336	.0081986
	B(45)BLUE / B(45)GREEN =				1.206	
Y7210B	17-G6	11	100	1	.0120325	.0117005
Y7210B	17-G6	11	100	2	.0095021	.0094671
	B(45)BLUE / B(45)GREEN =				1.236	
Y7210B	17-G6	12	110	1	.0097455	.0094135
Y7210B	17-G6	12	110	2	.0071875	.0071520
	B(45)BLUE / B(45)GREEN =				1.316	
Y7210B	17-G6	13	120	1	.0090034	.0086714
Y7210B	17-G6	13	120	2	.0075844	.0075494
	B(45)BLUE / B(45)GREEN =				1.149	
Y7210B	18-G5	1	0	1	.0156144	.0152824
Y7210B	18-G5	1	0	2	.0137206	.0136856
	B(45)BLUE / B(45)GREEN =				1.117	
Y7210B	18-G5	2	10	1	.0131746	.0128426
Y7210B	18-G5	2	10	2	.0128495	.0128145
	B(45)BLUE / B(45)GREEN =				1.002	
Y7210B	18-G5	3	20	1	.0136626	.0133306
Y7210B	18-G5	3	20	2	.0119783	.0119433
	B(45)BLUE / B(45)GREEN =				1.116	
Y7210B	18-G5	4	30	1	.0089457	.0086137
Y7210B	18-G5	4	30	2	.0074048	.0073698
	B(45)BLUE / B(45)GREEN =				1.169	
Y7210B	18-G5	5	40	1	.0092013	.0088693
Y7210B	18-G5	5	40	2	.0068448	.0068098
	B(45)BLUE / B(45)GREEN =				1.302	
Y7210B	18-G5	6	50	1	.0094569	.0091249
Y7210B	18-G5	6	50	2	.0073890	.0073540
	B(45)BLUE / B(45)GREEN =				1.241	
Y7210B	18-G5	7	60	1	.0084880	.0081560
Y7210B	18-G5	7	60	2	.0067642	.0067292
	B(45)BLUE / B(45)GREEN =				1.212	
Y7210B	18-G5	8	70	1	.0104852	.0101532
Y7210B	18-G5	8	70	2	.0081171	.0080821
	B(45)BLUE / B(45)GREEN =				1.256	
Y7210B	18-G5	9	80	1	.0114838	.0111518
Y7210B	18-G5	9	80	2	.0095827	.0095477
	B(45)BLUE / B(45)GREEN =				1.168	
Y7210B	18-G5	10	90	1	.0119831	.0116511
Y7210B	18-G5	10	90	2	.0095827	.0095477
	B(45)BLUE / B(45)GREEN =				1.220	
Y7210B	18-G5	11	100	1	.0150799	.0147479
Y7210B	18-G5	11	100	2	.0114079	.0113729
	B(45)BLUE / B(45)GREEN =				1.297	
Y7210B	18-G5	12	110	1	.0173803	.0170483
Y7210B	18-G5	12	110	2	.0134651	.0134301
	B(45)BLUE / B(45)GREEN =				1.269	
Y7210B	18-G5	13	120	1	.0171247	.0167927
Y7210B	18-G5	13	120	2	.0134378	.0134028
	B(45)BLUE / B(45)GREEN =				1.253	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	19-G4	1	0	1	.0177181	.0173861
Y7210B	19-G4	1	0	2	.0130822	.0130472
	B(45)BLUE / B(45)GREEN =				1.333	
Y7210B	19-G4	2	10	1	.0191021	.0187701
Y7210B	19-G4	2	10	2	.0173863	.0173513
	B(45)BLUE / B(45)GREEN =				1.082	
Y7210B	19-G4	3	20	1	.0112342	.0109022
Y7210B	19-G4	3	20	2	.0099131	.0098781
	B(45)BLUE / B(45)GREEN =				1.104	
Y7210B	19-G4	4	30	1	.0093036	.0089716
Y7210B	19-G4	4	30	2	.0074407	.0074057
	B(45)BLUE / B(45)GREEN =				1.211	
Y7210B	19-G4	5	40	1	.0077021	.0073701
Y7210B	19-G4	5	40	2	.0060036	.0059686
	B(45)BLUE / B(45)GREEN =				1.235	
Y7210B	19-G4	6	50	1	.0092013	.0088693
Y7210B	19-G4	6	50	2	.0073011	.0072661
	B(45)BLUE / B(45)GREEN =				1.221	
Y7210B	19-G4	7	60	1	.0099859	.0096539
Y7210B	19-G4	7	60	2	.0079856	.0079506
	B(45)BLUE / B(45)GREEN =				1.214	
Y7210B	19-G4	8	70	1	.0107349	.0104029
Y7210B	19-G4	8	70	2	.0090831	.0090481
	B(45)BLUE / B(45)GREEN =				1.150	
Y7210B	19-G4	9	80	1	.0135464	.0132144
Y7210B	19-G4	9	80	2	.0107235	.0106885
	B(45)BLUE / B(45)GREEN =				1.236	
Y7210B	19-G4	10	90	1	.0121527	.0118207
Y7210B	19-G4	10	90	2	.0115883	.0115533
	B(45)BLUE / B(45)GREEN =				1.023	
Y7210B	19-G4	12	110	1	.0214697	.0211377
Y7210B	19-G4	12	110	2	.0172171	.0171821
	B(45)BLUE / B(45)GREEN =				1.230	
Y7210B	19-G4	13	120	1	.0243140	.0239820
Y7210B	19-G4	13	120	2	.0200880	.0200530
	B(45)BLUE / B(45)GREEN =				1.196	
Y7210B	20-G3	1	0	1	.0243140	.0239820
Y7210B	20-G3	1	0	2	.0210011	.0209661
	B(45)BLUE / B(45)GREEN =				1.144	
Y7210B	20-G3	2	10	1	.0158570	.0155250
Y7210B	20-G3	2	10	2	.0106243	.0105893
	B(45)BLUE / B(45)GREEN =				1.466	
Y7210B	20-G3	3	20	1	.0122684	.0119364
Y7210B	20-G3	3	20	2	.0091700	.0091350
	B(45)BLUE / B(45)GREEN =				1.307	
Y7210B	20-G3	4	30	1	.0086081	.0082761
Y7210B	20-G3	4	30	2	.0062399	.0062049
	B(45)BLUE / B(45)GREEN =				1.334	
Y7210B	20-G3	5	40	1	.0082384	.0079064
Y7210B	20-G3	5	40	2	.0053735	.0053385
	B(45)BLUE / B(45)GREEN =				1.481	

CRUISE	STA	BOT NO	DEPTH	LAMDA	WATER + PARTICLES B(45)	PARTICLES B(45)
Y7210B	20-G3	6	50	1	.0099681	.0096361
Y7210B	20-G3	6	50	2	.0073011	.0072661
	B(45)BLUE / B(45)GREEN =				1.326	
Y7210B	20-G3	7	60	1	.0120956	.0117636
Y7210B	20-G3	7	60	2	.0090190	.0089840
	B(45)BLUE / B(45)GREEN =				1.309	
Y7210B	20-G3	8	70	1	.0189733	.0186413
Y7210B	20-G3	8	70	2	.0160454	.0160104
	B(45)BLUE / B(45)GREEN =				1.164	
Y7210B	20-G3	9	80	1	.0184026	.0180706
Y7210B	20-G3	9	80	2	.0138169	.0137819
	B(45)BLUE / B(45)GREEN =				1.311	
Y7210B	20-G3	10	90	1	.0269568	.0266248
Y7210B	20-G3	10	90	2	.0240299	.0239949
	B(45)BLUE / B(45)GREEN =				1.110	
Y7210B	21-G2	1	0	1	.0511938	.0508618
Y7210B	21-G2	1	0	2	.0517331	.0516981
	B(45)BLUE / B(45)GREEN =				.984	
Y7210B	21-G2	2	10	1	.0486280	.0482960
Y7210B	21-G2	2	10	2	.0370978	.0370628
	B(45)BLUE / B(45)GREEN =				1.303	
Y7210B	21-G2	3	20	1	.0472569	.0469249
Y7210B	21-G2	3	20	2	.0356106	.0355756
	B(45)BLUE / B(45)GREEN =				1.319	
Y7210B	21-G2	4	30	1	.0635707	.0632387
Y7210B	21-G2	4	30	2	.0558191	.0557841
	B(45)BLUE / B(45)GREEN =				1.134	
Y7210B	21-G2	5	40	1	.1165781	.1162461
Y7210B	21-G2	5	40	2	.0899518	.0899168
	B(45)BLUE / B(45)GREEN =				1.293	

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
1	1	11206	4900	1030	599668	180048	368841	1.319	5.632E-02	-0.60	20666	1.0658	0	D2
1	2	9872	4486	968	552456	155328	316504	1.215	4.006E-02	-0.56	15634	1.1471	10	D2
1	3	9278	4786	1256	687869	173647	318854	1.513	0E 00	-0.50	14090	.9818	20	D2
2	1	4296	2010	486	269363	73806	142496	.593	6.042E-02	-0.55	7055	1.0306	0	
2	2	4678	2086	440	255300	75998	155619	.562	0E 00	-0.60	8575	.8567	10	
2	3	3382	1764	310	189688	57991	128095	.417	7.947E-02	-0.61	6901	1.0048	20	
2	4	2434	1256	268	153335	43012	88137	.337	0E 00	-0.56	4309	.9234	30	
2	5	2452	1172	244	141339	41276	85206	.311	0E 00	-0.58	4482	.9848	40	
2	6	6322	3184	822	450383	115851	215199	.991	6.379E-02	-0.51	9760	1.0112	50	
16	1	5386	3454	540	337604	101117	238428	.743	5.105E-02	-0.60	11550	1.0915	0	G7
16	2	3558	2166	420	245674	67765	146131	.540	7.024E-02	-0.55	6565	1.0075	10	G7
16	3	2568	1128	150	110073	39840	91067	.242	6.716E-02	-0.72	6645	1.0689	20	G7
16	4	1324	564	72	54718	20288	46310	.120	8.665E-02	-0.74	3551	1.0201	30	G7
16	5	962	476	62	44550	15683	36826	.098	5.369E-02	-0.70	2475	1.1248	40	G7
16	6	946	452	100	56789	16118	32438	.125	3.333E-02	-0.57	1653	1.2151	50	G7
16	7	872	422	76	46509	14436	31389	.102	6.541E-02	-0.62	1771	1.0392	60	G7
16	8	1030	502	82	52397	16919	37847	.115	6.350E-02	-0.65	2246	1.0548	70	G7
16	9	1038	528	102	60343	17834	38031	.133	0E 00	-0.59	1983	.9959	80	G7
16	10	1050	518	138	75141	19174	35000	.165	4.065E-02	-0.51	1590	1.1119	90	G7
16	11	1426	662	148	83903	23952	47962	.185	3.538E-02	-0.57	2485	1.1951	100	G7
16	12	1624	718	142	84600	26002	54443	.186	5.586E-02	-0.61	3127	1.0742	110	G7
16	13	1660	740	140	84902	26531	56380	.187	5.603E-02	-0.62	3299	1.0775	120	G7
17	1	6388	3632	474	328679	110735	267634	.723	4.666E-02	-0.67	16004	1.1568	0	G6
0	2	5982	3404	424	301495	103459	252233	.663	0E 00	-0.69	15512	0	10	G6
17	3	5446	3346	360	272933	96849	245998	.600	5.339E-02	-0.71	15527	1.1295	20	G6
17	4	2458	1212	216	132417	41025	89667	.291	4.373E-02	-0.62	5014	1.1511	30	G6
17	5	1316	650	120	72477	22095	47756	.159	4.065E-02	-0.61	2614	1.1693	40	G6
17	6	2350	1058	110	94218	37003	86825	.207	5.442E-02	-0.79	7267	1.1570	50	G6
17	7	750	414	76	45453	13351	29217	.100	6.379E-02	-0.59	1467	1.0333	60	G6
17	8	742	360	66	40071	12330	26666	.088	3.801E-02	-0.62	1486	1.1966	70	G6
17	9	520	258	56	31930	9016	18315	.070	3.699E-02	-0.56	915	1.1759	80	G6
17	10	400	228	36	22758	7073	16334	.050	3.743E-02	-0.62	870	1.2056	90	G6
17	11	500	238	54	30441	8548	17009	.067	3.113E-02	-0.56	858	1.2359	100	G6
17	12	534	272	48	29414	9050	19912	.065	2.703E-02	-0.62	1091	1.3162	110	G6
17	13	590	272	62	34951	9912	19677	.077	4.021E-02	-0.57	1015	1.1486	120	G6
18	1	4910	3144	364	261883	89163	226388	.576	5.339E-02	-0.68	13160	1.1167	0	G5
18	2	3200	1966	250	172746	57378	141750	.380	8.826E-02	-0.66	8060	1.0022	10	G5
18	3	2100	886	96	81777	32226	74271	.180	6.189E-02	-0.79	6372	1.1161	20	G5
18	4	1204	484	56	46356	18094	41107	.102	5.222E-02	-0.78	3516	1.1688	30	G5
18	5	1256	582	106	64977	20371	43948	.143	2.664E-02	-0.63	2549	1.3024	40	G5
18	6	998	454	88	52664	16169	34152	.116	3.347E-02	-0.61	1941	1.2408	50	G5
18	7	988	476	92	54727	16488	35011	.120	3.567E-02	-0.60	1906	1.2120	60	G5
18	8	1506	676	98	67915	23628	53527	.149	3.640E-02	-0.70	3641	1.2563	70	G5
18	9	1384	576	114	68502	21490	44802	.151	4.211E-02	-0.63	2693	1.1680	80	G5
18	10	1396	624	118	71545	22341	47493	.157	3.611E-02	-0.62	2774	1.2203	90	G5
18	11	1918	852	126	86567	29979	67561	.190	3.230E-02	-0.69	4578	1.2968	100	G5
18	12	2198	974	158	103288	34500	76297	.227	3.362E-02	-0.67	4901	1.2694	110	G5
18	13	2140	970	184	111180	34505	73366	.245	3.274E-02	-0.62	4231	1.2529	120	G5
19	1	3222	1452	350	194279	54093	104671	.427	2.322E-02	-0.55	5339	1.3325	0	G4
19	2	3388	1392	350	192566	54415	103470	.424	4.988E-02	-0.57	5532	1.0818	10	G4

STA	BOTL	NO OF PARTICLES PER ML GREATER THAN 2.22	3.49	6.17	TLVOL	SXSEC	FLOVOL	MASCON MG/L	BULK INDEX	SLOPE A	TOTAL NO OF PART.	RATIO R	DEPTH	GRID POS
19	3	2790	1210	304	166996	46242	87796	.367	4.534E-02	-0.55	4514	1.1[illegible]77	2[illegible]	G4
19	4	942	434	90	52379	15530	32053	.115	3.508E-02	-0.59	1738	1.2115	[illegible]	G4
19	5	714	326	72	41021	11851	23847	.090	3.201E-02	-0.58	1260	1.2348	4[illegible]	G4
19	6	854	378	76	44967	13714	28558	.099	3.525E-02	-0.61	1624	1.2217	9[illegible]	G4
19	7	1102	590	106	64094	19223	42268	.141	3.523E-02	-0.60	2202	1.2142	6[illegible]	G4
19	8	1552	748	136	82938	25673	55632	.182	4.373E-02	-0.62	3132	1.1497	7[illegible]	G4
19	9	2270	1034	202	120478	36845	77626	.265	3.376E-02	-0.61	4388	1.2363	8[illegible]	G4
19	10	2022	850	160	98195	31369	66428	.216	7.332E-02	-0.64	4076	1.0231	9[illegible]	G4
19	12	2886	1356	230	145325	46751	103064	.326	3.611E-02	-0.64	6160	1.2362	11[illegible]	G4
19	13	4834	2172	424	253424	77900	163998	.558	3.801E-02	-0.61	9372	1.1959	12[illegible]	G4
20	1	6226	2666	840	442134	139436	282190	.973	3.567E-02	-0.58	8537	1.1478	[illegible]	G3
20	2	2018	978	192	113459	33871	71552	.250	1.458E-02	-0.63	3843	1.4661	1[illegible]	G3
20	3	2012	914	198	113594	33178	67282	.250	2.644E-02	-0.58	3604	1.3067	20	G3
20	4	742	360	84	46966	12914	25360	.103	2.292E-02	-0.55	1243	1.3336	3[illegible]	G3
20	5	798	382	86	48580	13663	27286	.107	1.252E-02	-0.56	1376	1.4610	4[illegible]	G3
20	6	980	474	138	74240	18206	31444	.163	2.087E-02	-0.49	1394	1.3262	5[illegible]	G3
20	7	1360	608	134	76519	22301	44892	.168	2.615E-02	-0.58	2412	1.3094	6[illegible]	G3
20	8	2330	1106	196	121152	38121	83119	.267	4.270E-02	-0.63	4806	1.1643	7[illegible]	G3
20	9	2532	1372	278	161177	45501	95578	.355	2.512E-02	-0.56	4617	1.3112	8[illegible]	G3
20	10	4462	2040	428	243215	73407	150780	.546	4.739E-02	-0.59	8175	1.1[illegible]96	9[illegible]	G3
21	1	10896	5738	1304	733717	197940	393751	1.614	[illegible]E 00	-0.54	18342	.9878	[illegible]	G2
21	2	9560	4704	986	568627	163772	337577	1.251	2.629E-02	-0.56	17297	1.3031	1[illegible]	G2
21	3	9338	5016	1054	604901	168344	347832	1.331	2.424E-02	-0.56	16661	1.3196	2[illegible]	G2
21	4	15564	7146	1212	769125	249330	548097	1.692	4.812E-02	-0.65	33361	1.1336	3[illegible]	G2
0	5	23086	10832	2348	1343523	387655	786678	2.956	[illegible]E 00	-0.58	41092	[illegible]	4[illegible]	G2

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13. ABSTRACT

The results of light scattering measurements made with a Brice-Phoenix photometer and particle size distribution measurements made with a Model A Coulter Counter are presented. The data were collected on five cruises off the Oregon Coast during the period June - October 1972. The cruises were a part of the Coastal Upwelling Experiment (CUE).

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