R133/90-14

ULUSAL DENİZ ÖLÇME
VE
İZLEME PROGRAMI
AKDENİZ ALT PROJESİ

Proje No. DEBÇAG 62/G

1989

FİNAL RAPORU

ORTA DOĞU TEKNİK ÜNİVERSİTESİ

DENİZ BİLİMLERİ ENSTİTÜSÜ

P.K.28 Erdemli-İÇEL

ARALIK, 1990

ODTÜ-DBB KÜTÜPHANESİ
METU-DMS LIBRARY

TEŞEKKÜR

1986 yılında başlayan Ulusal Deniz Ölçme ve İzleme programı çerçevesinde Türkiye'yi çevreleyen denizlerde oşinografik bulguların toplanması ve değerlendirilmesi ile denizlerimizin bilimsel olarak tanınmasını ve ulusal çıkarlar doğrultusunda değerlendirilmesi sağlayacak olan çalışmalar Akdeniz kesiminde de yürütülmektedir. Ulusal Ölçme ve İzleme Programının planlanması, gerçekleşmesi ve koordinasyonunu sağlayan T.C. Başbakanlık Devlet Planlama Teşkilatı, Seyir, Hidrografi ve Oşinografi Hizmetleri plan koordinasyon Kurulu ve Kurul'un İcra Komitesi ile Türkiye Bilimsel ve Teknik Araştırma Kurumu Deniz Bilimleri ve Çevre Araştırma Grubuna teşekkürü bir borç biliriz.

Sunulan araştırmaya önemli katkıları bulunan Orta Doğu Teknik Üniversitesi Deniz Bilimleri Enstitüsü'ndeki araştırıcı, teknik ve gemici personele her türlü övgünün üzerindeki uyumlu ve özverili çalışmaları nedeniyle teşekkür ederiz.

ÖZET:

Ulusal Deniz Ölçme ve İzleme Programı çerçevesinde Akdeniz kesiminde 1989 yılı saha çalışmaları aşağıda gösterilen tarihlerde gerçekleştirilmiştir. Deniz saha çalışmalarında yerinde ölçüm ile toplanan fiziksel bulgular ile ODTÜ Deniz Bilimleri Enstitüsü ve R/V Bilim laboratuvarlarında analizleri yapılan doğal ve kirletici parametrelere ait biyokimyasal sonuçlar 1989 yılı Final Raporunda sunulmuştur.

Sefer tarihleri:

20 Şubat - 17 Mart 1989 (İlkbahar dönemi)
16 - 24 Ağustos 1989 (Yaz dönemi)
22 - 29 Ekim 1989 (Sonbahar dönemi)

1989 yılında Akdeniz bölgesinde kış seferi yapılamamıştır. Ancak 1988 yılı Aralık ayında bölgede yapılan deniz saha çalışmalarına ait sonuçlar kış dönemi (1989) bulguları olarak değerlendirilebilir. 1989 yılı ilkbahar dönemine ait bulgular I. Gelişme Raporu ile birlikte IBM diskette TÜBİTAK'a sunulmuştur. Bu raporda ise (1989 Final Raporu) her üç mevsime ait bulgular basılı olarak istasyon bazında ve standart derinliklerde verilmektedir. Ayrıca Ağustos ve Ekim 1989 ölçüm dönemlerine ait bulguları kapsayan IBM disketleri de bu rapor ekinde sunulmaktadır.

Şekil 1,2 ve 3'de sırasıyla Şubat-Mart, Ağustos ve Ekim 1989 dönemlerinde Kuzeydoğu Akdeniz bölgesinde örnekleme yapılan istasyonları gösteren haritalar verilmiştir. Şekil 1'den görüleceği üzere Mart 1989 döneminde ölçüm ve örnekleme eksiksiz olarak ve çok geniş bir sahada yapılmıştır. Özellikle açık deniz istasyonlarında oşinografik bulgular elde edilmiştir. Yaz ve sonbahar dönemlerinde ise (Şekil 2 ve 3) Proje kapsamında yapılması istenen istasyonların tümü yapılamamıştır. Ancak kıyısal istasyonlarda bulgu toplanması tam olarak yapılmış ve açık deniz istasyonlarından bazıları ziyaret edilmişir. Sunulan bulgulardan ve IBM disketlerinden görüleceği üzere proje kapsamında istenilen fiziksel bulgular (sıcaklık,

tuzluluk, yoğunluk ve çözünmüş oksijen) tüm istasyonlarda CTD probu ile ölçülmüştür ve biyokimyasal bulgularla birlikte standart derinliklerde verilmiştir.

1989 yılında su örneklemesi daha önceki yıllarda olduğu gibi Nansen şişeleri ile yapılmış ve bu nedenle bulgular sunulurken derinliklerde açı düzeltmesi yapılmıştır. Bazı biyokimyasal bulgularda o parametreye ait sonuç duyarlılık sınırının altında ise bu " -11 " veya " ND " ile belirtilmiştir.

Çizelge 1. Ulusal Deniz Ölçme ve İzleme Programında ölçülen parametrelere ait kısaltmalar, birimleri ve matriksleri

T: Sıcaklık (°C) (Standart derinlik)

% S: Tuzluluk (‰, ppt, binde bir, PSU: Practical Salinity Unit, Pratik Tuzluluk Birimi) (Standart derinlik)

Ç.O. (E.O.): Çözünmüş Oksijen (ppm, mg/l: biyokimyasal bulgular veya ml/l: fiziksel bulgular) (Standart derinlik)

NO_3-N: Nitrat azotu (µg-at-N/l) (Standart derinlik)

NO_2-N: Nitrit azotu (µg-at-N/l) (Standart derinlik)

PO_4-P: Ortofosfat (µg-at-P/l) (Standart derinlik)

$Si(OH)_4$-Si: Reaktif silikat (µg-at-Si/l) (Standart derinlik)

TAY: Toplam Askı Yük (mg/l) (BOI ile aynı derinlikten)

CHL-a: Klorofil-a (µg/l) (BOI ile aynı derinlikten + Standart derinlik)

$BOİ_5$: 5 günlük Biyokimyasal Oksijen İhtiyacı (mg/l) (Yüzey suyu ve tuzluluğun maksimum veya sıcaklığın minimum olduğu derinlikten)

KOİ: Kimyasal Oksijen İhtiyacı (mg/l) (Kaynak sularında ve asılı katıda)

Hg_{su}: Suda Toplam Civa (ng/l) (Yüzey)

Hg_{sed}: Sedimanda Toplam Civa (µg/kg, yaş ağırlık)

Cd_{su}: Kaynak sularında Kadmiyum (ng/l)

Cd_{TSS}: Askı Yükte Kadmiyum (ng/l)

Cd_{sed}: Sedimanda Kadmiyum (µg/kg, yaş ağırlık)

PAH_{su}: Suda Çözünmüş ve Süspansiyon halindeki Poliaromatik Petrol Hidrokarbonları (µg/l) (Yüzey ve 1 m derinlik)

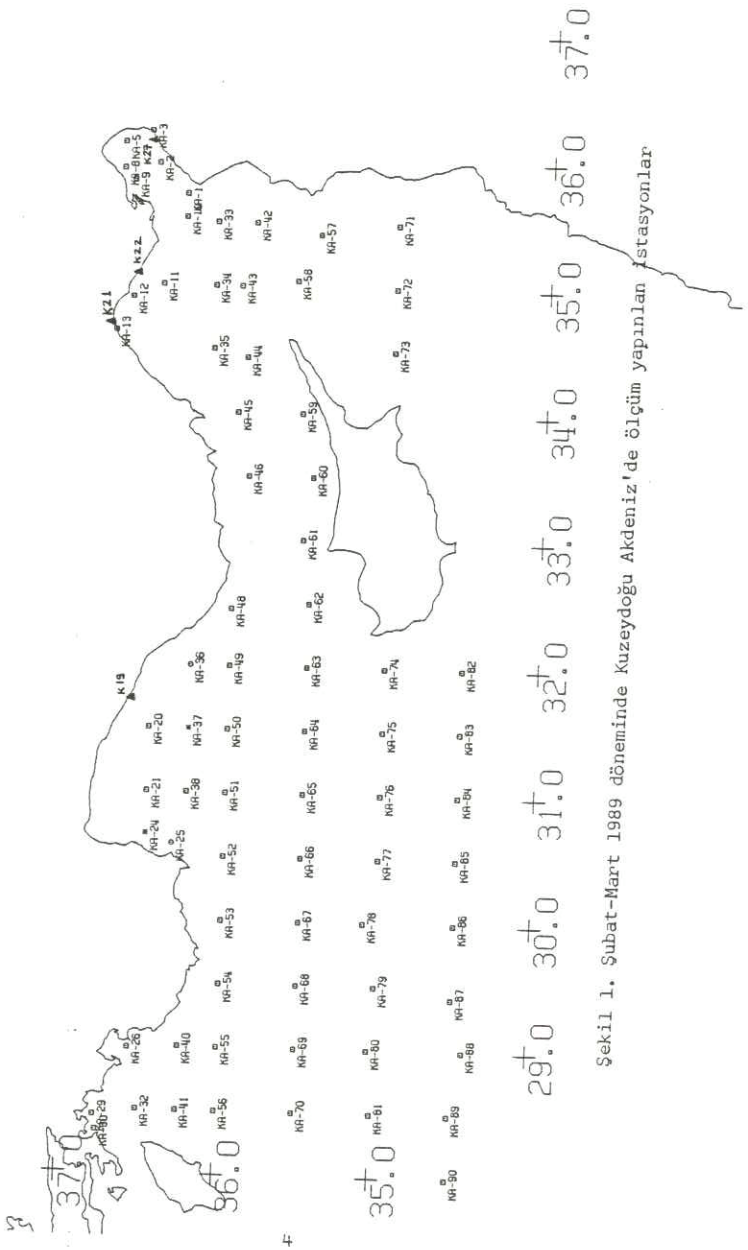
PAH_{sed}: Sedimanda Poliaromatik Petrol Hidrokarbonları (µg/kg, yaş ağırlık)

FC: Fekal Koliform (Koli adedi/100 ml) (BOI ile aynı derinlikten)

% I: Işık geçirgenliği (Su kolonu)

pH: Yatay ve dikey dağılım

Meteorolojik Bulgular: Rüzgar hızı ve yönü, Yağış miktarı, Havanın bulut durumu, Barometrik basınç, Hava sıcaklığı, Nispi nem



Şekil 1. Şubat-Mart 1989 döneminde Kuzeydoğu Akdeniz'de ölçüm yapılan istasyonlar

TOTAL DEPTH: 87.0 m.
PLACE:
DATE:05-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:5.1
SM/Hg:AE
BOD-5:

STATION TYPE:

TIME:19:05
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:AE

CHARACTER
LONGITUDE:35.43'
LATITUDE:36.22'
WIND:
WIND DIRECTION:

TSS:0.36
SD/PH:
SW/PH:1.17
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.94	37.90	28.00	8.85	0.32	0.07		1.02	2.00		
10.	16.28	39.09	28.83	8.19	0.12	0.05		0.75	2.00		
25.	16.19	39.09	28.86	8.14	0.13	0.05		0.36	1.12		
50.	16.17	39.09	28.86	7.92	0.07	0.05		0.12	1.12		
75.	16.13	39.10	28.87	7.83	0.16	0.05		0.29	0.97		
90.	16.12	39.10	28.97	7.81	0.29	0.07		0.42	1.03		

STATION NUMBER: KA-2
TOTAL DEPTH: 65.0 m.
PLACE:
DATE:05-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:1.6
SM/Hg: AE
BOD-5:

SEASON:
STATION TYPE:

TIME:21:10
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:AE

CHARACTER
LONGITUDE:35.57'
LATITUDE:36.33'
WIND:
WIND DIRECTION:

TSS:0.50
SD/PH:
SW/PH:0.84
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.32	39.10	28.83	8.46	0.21	-11		0.33	1.44		
10.	16.16	39.11	28.88	8.38	0.06	0.06		0.24	1.20		
25.	16.13	39.11	28.88	8.31	0.13	0.05		0.30	1.25		
50.	16.10	39.11	28.89	8.08	0.08	-11		0.29	1.30		

TOTAL DEPTH: 60.0 m
PLACE:
DATE:06-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

STATION TYPE:

TIME:06:40
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:35.49'
LATITUDE:36.42'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:0.8
SM/Hg:AE
BOD-5:

TR:ND
SD/Cd:
SW/Cd:
SM/Cd:AE

TSS:4.16
SD/PH:
SW/PH:0.84
FC/0m.:0
FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.82	39.19	29.02	8.37	0.17	0.05		0.12	1.48		
10.	15.82	39.19	29.02	8.33	0.06	-11		0.43	1.40		
25.	15.85	39.20	29.07	8.31	0.10			0.12	1.32		
50.	15.57	39.21	29.09	8.10	0.13	-11		0.12	1.69		

STATION NUMBER: KA-10
TOTAL DEPTH: 30.m
PLACE:
DATE:06-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:10:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:35.35'
LATITUDE:36.22'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:8.4
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:5.08
SD/PH:
SW/PH:0.33
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.30	38.58	28.42	8.42	0.04	0.18		11.30	13.80		
10.	16.06	39.04	28.85	8.34	0.14	-11		0.33	1.61		
20.	15.99	39.11	28.91	8.22	0.19	-11		0.45	2.07		

PLACE:
DATE:02-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

STATION TYPE:

TIME:20:05
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:35. 0'
LATITUDE:36.30'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:6.1
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.02	39.14	28.93	8.57	0.15	0.05		0.23	1.12		
25.	15.97	39.13	28.93	7.81	0.09	-11		0.23	1.32		
50.	15.87	39.13	28.96	7.77	0.09	-11		0.22	1.35		

STATION NUMBER: K-19
TOTAL DEPTH: 14.0 m.
PLACE:
DATE:21-02-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:12:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE: 0. 0'
LATITUDE: 0. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:3.2
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.98
SD/PH:
SW/PH: 0.72
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.64	38.96	28.88	8.34	0.06	0.22		0.71			

STATION NUMBER: KA-20
TOTAL DEPTH: 1000.0 m.
PLACE:
DATE:11-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:6.7
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:13:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31.30'
LATITUDE:36.30'
WIND:
WIND DIRECTION:

TSS:1.26
SD/PH:
SW/PH:1.08
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.98	39.08	28.90	8.65	0.28	-11		0.44	1.09		
50.	15.80	39.07	28.93	8.39	0.17	-11		0.19			
100.	15.74	39.07	28.94	8.14	0.16	-11		0.92			
200.	15.61	39.05	28.96	7.74	0.12	-11		1.04			
300.	15.53	39.05	28.98	7.73	0.03	0.05		1.21			
400.	15.42	39.04	29.00	7.56	0.11	0.06		1.52			
500.	14.36	38.83	29.07	6.25	0.08	0.11		3.04			
600.	13.91	38.75	29.11	5.94	0.18	0.20		5.11			
700.	13.72	38.71	29.12	5.88	0.26	0.24		6.07			
800.	13.62	38.69	29.13	5.88	0.22	0.24		6.17			
1000.	13.48	38.66	29.13	5.89	0.14	0.24		6.11			

STATION NUMBER: KA-21
TOTAL DEPTH: 1200.0 m.
PLACE:
DATE:11-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:16:30
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:ND
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31. 0'
LATITUDE:36.30'
WIND:
WIND DIRECTION:

TSS:0.76
SD/PH:
SW/PH:0.26
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.91	39.01	28.86	8.87	0.17	-11		0.15	1.49		
50.	15.92	39.09	28.92	7.68	0.13	-11		0.42	1.28		
100.	15.84	39.08	28.93	7.58	0.08	-11		0.43	1.51		
200.	15.64	39.05	28.95	7.42	0.09	-11		0.78	1.43		
300.	15.33	39.00	28.99	7.26	0.11	0.06		1.76	2.21		
400.	14.31	38.82	29.08	6.19	0.18	0.15		3.65	4.90		
500.	13.91	38.75	29.11	5.79	0.17	0.20		4.61	7.47		
600.	13.73	38.71	29.12	5.72	0.12	0.25		5.94	8.91		
700.	13.66	38.70	29.12	5.65	0.10	0.25		6.09	9.32		
800.	13.58	38.68	29.13	5.76	0.14	0.25		6.15	9.68		

STATION NUMBER: K21-1 SEASON:
TOTAL DEPTH: 8.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:02-03-89 TIME:16:40 LONGITUDE:99.99'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:99.99'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:4.3
SD/Hg: SD/Cd: SD/PH:
SW/Hg:8.3 SW/Cd: SW/PH:2.65
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.02	37.73	27.85	7.29	0.30	0.41		4.74	7.03		

STATION NUMBER: K22 SEASON:
TOTAL DEPTH: 10.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:02-03-89 TIME:19:05 LONGITUDE:99.99'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:99.99'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:2.58
SD/Hg: SD/Cd: SD/PH:
SW/Hg:6.9 SW/Cd: SW/PH:1.36
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.84	39.08	28.93	7.80	0.10	0.05		0.14	1.44		

STATION NUMBER: KA-24 SEASON:
TOTAL DEPTH: 785.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:20-02-89 TIME:20:30 LONGITUDE:30.40'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS:NO TR:ND TSS:1.48
SD/Hg: SD/Cd: SD/PH:
SW/Hg:5.6 SW/Cd: SW/PH:1.40
SM/Hg:AE SM/Cd:AE FC/0m.:11
BOD-5: COD:0.02 FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.70	38.43	28.46	8.62	0.10	0.05		0.94			
50.	15.79	39.07	28.93	7.68	-11	-11		1.06			
100.	15.76	39.06	28.93	7.50	-11	-11		0.96			
200.	15.69	39.05	28.94	7.49	0.04	-11		1.50			
300.	15.63	39.05	28.95	7.45	0.20	0.05		1.03			
400.	14.37	38.93	29.01	6.84	0.12	0.10		2.15			
500.	14.05	38.77	29.09	5.85	-11	0.16		4.16			
600.	13.75	38.72	29.12	5.86	-11	0.24		6.26			
700.	13.62	38.69	29.12	5.74		0.24		6.36			

STATION NUMBER: KA-25 SEASON:
TOTAL DEPTH: 480.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:20-02-89 TIME:18:20 LONGITUDE:30.35'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.20'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.16
SD/Hg: SD/Cd: SD/PH:
SW/Hg:9.1 SW/Cd: SW/PH:0.29
SM/Hg: SM/Cd: FC/0m.:
BOD-5: COD:0.07 FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.34	39.02	29.00	7.70	1.00	0.08		1.40			
50.	15.33	39.02	29.00	7.73	0.30	-11		1.40			
100.	15.26	39.00	29.00	7.66	0.32	-11		1.66			
200.	15.09	38.97	29.02	7.19		0.08		2.65			
300.					0.33	0.14		3.63			
400.					0.13	0.20	11	5.76			

STATION NUMBER: KA-26 SEASON:
TOTAL DEPTH: 300.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:14-03-89 TIME:23:30 LONGITUDE:28.59`
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.34`
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.36
SD/Hg: SD/Cd: SD/PH:
SW/Hg:3.9 SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.72	39.23	29.08	7.09	0.07	0.05		0.24	5.69		0.57
10.	15.82	39.11	28.96	7.84							0.43
20.	15.87	39.05	28.90	8.23							0.43
30.	15.87	39.04	28.89	8.27							0.37
40.	15.85	39.05	28.90	8.06							0.45
50.	15.84	39.05	28.90	7.99	0.06	-11		0.48	1.33		
100.	15.79	39.06	28.92	7.86	0.08	-11		0.63	1.29		
150.	15.74	39.06	28.93	7.77	0.13	-11		0.75	1.30		
200.	15.72	39.06	28.93	7.84	0.14	-11		1.18	1.56		
250.	15.15	39.07	28.92	7.43	0.10	0.05		0.91	1.74		
300.	15.12	39.06	28.91	7.42	0.14	0.05		1.37	2.28		

STATION NUMBER: K-27 SEASON:
TOTAL DEPTH: 17.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:05-03-89 TIME:22:30 LONGITUDE: 0. 0`
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE: 0. 0`
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:2.20
SD/Hg: SD/Cd: SD/PH:
SW/Hg:3.5 SW/Cd: SW/PH:0.33
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	.00	.00	.00	.00	0.30	0.33		0.62	3.06		
5.	14.30	34.09	25.12	7.56	0.30	-11		0.54	2.88		
15.	14.30	34.09	25.12	7.56	0.16			0.33	2.10		

STATION NUMBER: KA-29 SEASON:
TOTAL DEPTH: 100.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:13-03-89 TIME:00:00 LONGITUDE:28.27`
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.46`
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS:NO TR:ND TSS:0.43
SD/Hg: SD/Cd: SD/PH:
SW/Hg:6.5 SW/Cd: SW/PH:1.04
SM/Hg: SM/Cd: FC/0m.:0
BOD-5: COD:N.D FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.73	38.45	28.46	7.51	0.03	-11		0.38	7.83		
10.	15.94	39.03	28.86	8.87	0.07	-11		0.36	1.38		
25.	15.89	39.05	28.90	8.57	0.14	-11		0.72	1.33		
50.	15.84	39.06	28.91	8.37	0.05	-11		0.57	1.23		
75.	15.81	39.06	28.92	8.23	0.03	-11		0.70	1.30		
100.	15.81	39.06	28.92	8.24	0.13	-11		0.84	1.93		

STATION NUMBER: KA-30 SEASON:
TOTAL DEPTH: 95.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:13-03-89 TIME:12:45 LONGITUDE:28.20`
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.45`
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS:NO TR:ND TSS:0.47
SD/Hg: SD/Cd: SD/PH:
SW/Hg:4.4 SW/Cd: SW/PH:8.63
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.66	38.51	28.53	8.31	0.17	-11		2.15	6.85		
10.	15.84	38.74	28.67	8.81	0.04	-11		0.28	2.00		
25.	15.81	39.01	28.88	8.61	0.11	-11		0.50	1.46		
50.	15.82	39.05	28.91	8.15	0.12	-11		0.69	1.38		
75.	15.79	39.06	28.92	7.96	0.10	-11		0.93	1.46		

STATION NUMBER: KA-32 SEASON:
TOTAL DEPTH: 1000.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:13-03-89 TIME:09:45 LONGITUDE:28.31'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.12
SD/Hg: SD/Cd: SD/PH:
SW/Hg:6.5 SW/Cd: SW/PH:0.37
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.78	39.06	28.93	8.43	0.03	-11		2.83	1.25		
50.	15.78	39.06	28.93	8.18	0.05	-11		0.64	1.20		
100.	15.75	39.06	28.93	8.04	0.05	-11		0.41	1.28		
200.	15.71	39.06	28.94	7.81	0.05	-11		0.70	1.28		
300.	15.28	39.00	29.00	7.36	0.09	0.05		1.51	1.79		
400.	14.90	38.95	29.05	7.23	0.03	0.08		1.83	2.41		
500.	14.49	38.90	29.10	6.94	0.03	0.13		3.14	4.50		
600.	14.33	38.87	29.11	6.80	0.03	0.15		3.32	4.45		
700.	14.11	38.82	29.12	6.49	0.10	0.18		4.69	5.87		
800.	13.96	38.78	29.12	6.21	0.03	0.20		4.96	6.38		
1000.	13.51	38.67	29.13	5.83	0.05	0.22		5.53	9.66		

STATION NUMBER: KA-33 SEASON:
TOTAL DEPTH: 270.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:05-03-89 TIME:16:50 LONGITUDE:35.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.10'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.16
SD/Hg: SD/Cd: SD/PH:
SW/Hg:2.7 SW/Cd: SW/PH:1.83
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.71	39.09	28.73	8.33	0.06	-11		0.13	1.04		
25.	16.41	39.10	28.81	8.20	0.09	-11		0.25	1.12		
50.	16.30	39.11	28.85	8.08	0.14	-11		0.32	1.06		
75.	16.19	39.10	28.86	7.97	0.03	0.05		0.87	1.12		
100.	16.18	39.11	28.87	7.94	0.12	-11		0.25	1.17		
150.	16.15	39.11	28.88	7.80	0.04	-11		0.38	1.17		
200.	15.83	39.06	28.91	7.65	0.16	-11		0.29	1.56		

PLACE: CHARACTER
DATE:02-03-89 TIME:23:45 LONGITUDE:35. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.10'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.29	39.12	28.85	8.03	0.04	-11		0.20	1.32		

STATION NUMBER: KA-35 SEASON:
TOTAL DEPTH: 570.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:06-03-89 TIME:12:00 LONGITUDE:34.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.10'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.53
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:0.47
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.14	39.10	28.87	8.05	0.13	-11		0.17	1.37		
25.	15.98	39.10	28.91	8.07	0.17	-11		0.34	1.45		
50.	15.87	39.10	28.93	8.04	0.19	-11		0.30	1.53		
100.	15.56	39.07	28.98	7.83	0.07	-11		1.03	2.18		
200.	15.01	38.96	29.03	7.10	0.27	0.06		1.86	3.68		
300.	14.08	38.79	29.10	6.26	0.24	0.19		4.79	7.20		
400.	13.76	38.72	29.12	5.85	0.10	0.24		5.98	9.11		
500.	13.57	38.68	29.13	5.73	0.22			6.00	9.74		

STATION NUMBER: KA-36
TOTAL DEPTH: 1500.0 m.
PLACE:
DATE:11-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:07:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:32. 0'
LATITUDE:36.15'
WIND:
WIND DIRECTION:

TSS:0.15
SD/PH:
SW/PH:0.98
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.80	39.03	28.90	10.33	0.08	0.05		0.16	1.38		
50.	15.61	39.04	28.95	8.14	0.06	-11		0.50	1.46		
100.	15.46	39.03	28.98	7.83	0.03	0.05		1.19	1.82		
200.	15.28	39.00	28.99	7.53	0.03	0.06		1.83	2.10		
300.	14.93	38.93	29.02	6.97	0.03	0.12		3.05	3.32		
400.	14.34	38.82	29.07	6.18	0.04	0.18		5.12	5.87		
500.	14.02	38.77	29.10	6.05	0.03	0.20		5.88	7.00		
600.	13.76	38.72	29.12	5.90	0.19	0.23		6.09	8.34		
700.	13.66	38.70	29.12	5.72	0.11	0.23		6.26	8.60		
800.	13.56	38.67	29.13	5.84	0.18	0.23		6.06	9.37		
1000.	13.48	38.66	29.13	5.70	0.21	0.23		5.86	10.25		

STATION NUMBER: KA-37
TOTAL DEPTH: 2300.0 m.
PLACE:
DATE:11-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:4.6
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:10:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31.30'
LATITUDE:36.15'
WIND:
WIND DIRECTION:

TSS:0.12
SD/PH:
SW/PH:0.42
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.81	39.15	28.99		0.08	-11		0.15	1.23		
50.	15.68	39.06	28.95	8.60	0.19	-11		0.36			
100.	15.63	39.07	28.97	8.20	0.10	-11		0.38			
200.	15.55	39.06	28.98	7.91	0.10	-11		0.29			
300.	15.43	39.05	29.00	7.66	0.07	-11		0.63			
400.	14.37	38.83	29.07	6.39	0.22	0.18		4.59			
500.	13.96	38.76	29.11	6.07	0.07	0.22		5.65			
600.	13.77	38.72	29.12	5.94	0.23	0.24		6.04			
700.	13.68	38.71	29.13	5.94	0.24	0.24		5.30			
800.	13.62	38.69	29.13	5.85	0.23	0.24		5.91			
1000.	13.51	38.67	29.13	5.71	0.05	0.24		6.04			

STATION NUMBER: KA-38
TOTAL DEPTH: 2300.0 m.
PLACE:
DATE:11-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:6.2
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:18:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31. 0'
LATITUDE:36.15'
WIND:
WIND DIRECTION:

TSS:0.40
SD/PH:
SW/PH:0.50
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.76	39.01	28.89	6.96	0.09	-11		0.13	4.27		
50.	15.86	39.09	28.93	7.88	0.06	-11		0.41			
100.	15.75	39.07	28.94	7.59	0.08	-11		1.07			
200.	15.63	39.06	28.96	7.54	0.06	0.05		1.09			
300.	15.48	39.04	28.98	7.37	0.04	0.05		1.13			
400.	14.93	38.93	29.02	6.75	0.09	0.10		2.03			
500.	14.01	38.77	29.10	5.88	0.11	0.22		5.63			
600.	13.82	38.73	29.12	5.78	0.10	0.24		5.90			
700.	13.70	38.71	29.12	5.80	0.15	0.24		6.09			
800.	13.62	38.69	29.13	5.75	0.05	0.24		6.15			
1000.	13.51	38.67	29.13	5.84	0.13	0.24		6.10			

TOTAL DEPTH: 1300.0 m.
PLACE:
DATE:13-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:4.2
SM/Hg:
BOD-5:

STATION TYPE:

TIME:03:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:29. 0'
LATITUDE:36.15'
WIND:
WIND DIRECTION:

TSS:0.40
SD/PH:
SW/PH:0.37
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.83	39.03	28.89	8.37	0.10	0.05		0.27	1.74		
50.	15.86	39.06	28.91	8.15	0.03	-11		0.39			
100.	15.74	39.06	28.94	7.87	0.03	-11		0.77			
200.	15.46	39.03	28.98	7.59	0.12	-11		1.11			
300.	15.12	38.98	29.02	7.36	0.11	0.08		2.03			
400.	14.71	38.92	29.06	6.89	0.03	0.10		2.42			
500.	14.05	38.78	29.10	6.09	0.09	0.18		4.26			
600.	13.83	38.74	29.12	5.90	0.07	0.22		5.86			
700.	13.68	38.70	29.12	5.83	0.03	0.23		5.76			
800.	13.57	38.68	29.13	5.77	0.07	0.23		5.86			
900.	13.53	38.67	29.13	5.69	0.15	0.23		5.85			
1000.	13.49	38.66	29.13	5.60	0.16	0.23		5.81			

STATION NUMBER: KA-41
TOTAL DEPTH: 3000.0 m.
PLACE:
DATE:13-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:06:45
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:28.30'
LATITUDE:36.15'
WIND:
WIND DIRECTION:

TSS:0.60
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.72	39.05	28.94	9.53	0.03	-11		0.53	1.30		

DATE:05-03-89
BAROMETRIC PRESSURE:1020
CLOUD:bc
SECCHI DISK DEPTH:

TIME:15:30
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:7

LONGITUDE:35.30'
LATITUDE:35.55'
WIND:2
WIND DIRECTION:N

OS:
SD/Hg:
SW/Hg:8.34
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.34
SD/PH:
SW/PH:1.00
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.89	39.11	28.70	8.14	0.06	0.05		0.12	1.04		
50.	16.20	39.07	28.84	7.85	0.02	0.05		0.28	1.10		
100.	16.16	39.09	28.86	7.97	0.04	-11		0.14	1.23		
150.	16.13	39.11	28.89	7.96	0.12	-11		0.11	1.28		
200.	16.09	39.11	28.90	7.87	0.12	-11		0.11	1.23		
250.	15.72	39.04	28.94	7.76	0.20	-11		0.74	1.56		
300.	15.60	39.04	28.96	7.70	0.16	-11		1.24	1.71		
350.					0.21	0.10		2.87	3.18		
400.	14.41	38.83	29.07	6.41	0.04	0.16		3.99	4.34		
450.					0.20	0.20		5.32	6.78		
500.	13.93	38.74	29.11	5.99	0.08	0.22		5.59	7.90		
600.	13.78	38.70	29.12	6.04	0.18	0.22		5.57	8.88		
700.	13.68	38.68	29.13	6.00	0.15	0.22		5.64	9.89		
800.	13.61	38.66	29.13	6.13	0.11	0.22		5.44	10.43		

STATION NUMBER :KA-43
TOTAL DEPTH: 600.0 m.
PLACE:
DATE:03-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:00:30
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:35. 0'
LATITUDE:36. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.26
SD/PH:
SW/PH:0.10
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.38	39.12	28.83	7.64	0.08	-11		0.31	1.12		0.25
25.	16.22	39.12	28.87	7.52	0.19	-11		0.29	1.22		
50.	16.21	39.12	28.87	7.45	0.04	-11		0.36	1.22		
75.	16.21	39.12	28.87	7.53	0.07	-11		0.41	1.17		
100.	16.20	39.12	28.87	7.38	0.08	-11		0.49	1.14		
150.	16.19	39.11	28.87	7.39	0.04	-11		0.33	1.36		
200.	16.17	39.11	28.87	7.31	0.04	-11		0.44	1.09		
250.	16.12	39.11	28.88	7.29	0.04	-11		0.45	1.15		
300.	16.06	39.11	28.90	7.39	0.08	-11		0.46	1.25		
400.	14.70	38.90	29.05	6.49	0.04	0.05		0.51	1.37		
500.	13.93	38.75	29.10	5.72	0.04	0.05		0.65	1.27		

STATION NUMBER: KA-44
TOTAL DEPTH: 850.0 m.
PLACE:
DATE:06-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:14:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:34.26'
LATITUDE:35.57'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.40
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	17.33	39.19	28.86	8.16	0.06	-11		0.14	1.25		
50.	15.92	39.09	28.92	8.15	0.06	-11		0.15	1.37		
100.	15.80	39.09	28.94	7.91	0.02	-11		0.89	1.32		
200.	15.05	38.96	29.02	7.01	0.02	0.06		2.23	3.03		
300.	14.14	38.79	29.09	6.10	0.03	0.20		5.14	6.99		
400.	13.80	38.73	29.11	5.88	0.07	0.23		5.73	8.78		
500.	13.65	38.70	29.12	5.78	0.11	0.23		5.86	8.99		
600.	13.57	38.68	29.13	5.74	0.21	0.24		5.80	9.78		
700.	13.53	38.67	29.13	5.70	0.18	0.24		6.04	10.38		
800.	13.46	38.65	29.13	5.71	0.03	0.23		5.76	10.81		

STATION NUMBER: KA-45
TOTAL DEPTH: 900.0 m.
PLACE:
DATE:06-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:22:30
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:34. 0'
LATITUDE:36. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:5.5
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.10
SD/PH:
SW/PH:1.08
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.32	39.04	28.79	8.27	0.12	-11		0.37	1.25		
50.	15.99	39.12	28.92	7.91	0.03	-11		0.37	1.23		
100.	15.88	39.10	28.94	7.76	0.16	-11		0.48	1.40		
200.	15.48	39.05	28.99	7.36	0.11	-11		1.14	2.07		
300.	14.97	38.96	29.04	6.83	0.16	0.06		1.56	3.08		
400.	14.35	38.85	29.09	6.19	0.03	0.11		2.81	5.75		
500.	13.76	38.72	29.12	5.84	0.08	0.22		5.46	8.21		
600.	13.59	38.68	29.13	5.61	0.10	0.22		5.78	9.92		
700.	13.52	38.67	29.13	5.66	0.03	0.22		5.80	10.31		
800.	13.46	38.66	29.13	5.65	0.10	0.24		6.15	10.95		

STATION NUMBER:KA-48
TOTAL DEPTH: 900.0 m.
PLACE:
DATE:07-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:03:35
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:33.30'
LATITUDE:35.55'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:4.6
SM/Hg:
BOD-5:

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.07
SD/PH:
SW/PH:0.09
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.07	39.08	28.87	8.34	0.09	-11		0.28	1.43		
50.	15.88	39.10	28.94	7.98	0.03	-11		0.28	1.22		
100.	15.80	39.07	28.98	7.68	0.07	-11		0.51	1.66		
200.	15.42	39.04	29.00	7.43	0.13	-11		1.18	1.84		
300.	14.45	38.84	29.06	6.29	0.20	0.10		2.76	3.28		
400.	13.95	38.75	29.10	5.76	0.21	0.20		5.74	7.79		
500.	13.68	38.70	29.12	5.73	0.16	0.22		5.91	8.85		
600.	13.58	38.68	29.13	5.73	0.13	0.24		6.02	9.40		
700.	13.52	38.67	29.13	5.72	0.03	0.24		6.10	10.25		
800.	13.48	38.66	29.13	5.69	0.06	0.23		6.21	10.54		

STATION NUMBER: KA-48
TOTAL DEPTH: 900.0 m.
PLACE:
DATE:07-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:16:45
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:32.27'
LATITUDE:36. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.22
SD/PH:
SW/PH:0.00
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.08	39.07	28.87	8.11	0.21	-11		0.29	1.48		
50.	15.85	39.10	28.94	8.06	0.14	-11		0.22	1.50		
100.	15.74	39.09	28.96	7.81	0.12	-11		0.43	1.83		
150.	15.85	39.08	28.97	7.57	0.04	-11		0.89	1.66		
200.	15.53	39.06	28.99	7.55	0.10	-11		0.14	2.10		
250.	15.50	39.06	28.99	7.49	0.07	0.05		1.02	2.07		
300.	15.44	39.05	29.00	7.49	0.14	0.05		0.96	2.05		
350.					0.12	0.06		1.02			
400.	15.06	38.97	29.03	7.09	0.16	0.10					
500.	14.13	38.79	29.09	5.93	1.34	0.18		4.93	7.07		
600.	13.69	38.70	29.12	5.69	0.04	0.22		5.72	9.50		
700.	13.54	38.67	29.13	5.71	0.10	0.22		5.80	10.29		
800.	13.52	38.67	29.13	5.58	0.18	0.24		5.90	10.74		

DATE:11-03-89 TIME:05:20 LONGITUDE:32. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36. 0'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.30
SD/Hg: SD/Cd: SD/PH:
SW/Hg:9.0 SW/Cd: SW/PH:0.74
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.66	39.05	28.94	8.66	0.06	-11		0.13	1.36		
50.	15.69	39.07	28.95	8.00	0.03	-11		0.15	1.51		
100.	15.64	39.07	28.97	7.78	0.04	-11		0.39	1.61		
200.	15.54	39.05	28.98	7.72	0.05	-11		0.49	1.72		
300.	15.28	39.00	29.00	7.38	0.05	-11		1.20	2.00		
400.	14.55	38.87	29.06	6.41	0.21	0.18		4.18	5.09		
500.	13.94	38.76	29.11	5.93	0.16	0.20		5.02	7.22		
600.	13.75	38.72	29.12	5.85	0.04	0.24		5.99	8.65		
700.	13.65	38.70	29.12	5.86	0.11	0.24		6.13	8.85		
800.	13.60	38.69	29.13	5.88	0.21			6.17	9.60		
1000.	13.49	38.66	29.13	5.92	0.18	0.22		5.87	10.29		

STATION NUMBER: KA-50 SEASON:
TOTAL DEPTH: 2000.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:11-03-89 TIME:01:30 LONGITUDE:31.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36. 0'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.94	39.05	28.88	9.83	0.07	-11		0.27	1.23		
30.	15.81	39.04	28.90	8.29	0.06						
50.	15.55	39.00	28.94	7.76	0.11	-11		0.44			
100.	15.52	39.04	28.97	7.87	0.28	-11		0.56			
200.	15.12	38.97	29.01	7.33	0.03	0.06		1.59			
300.	14.35	38.83	29.08	6.30		0.20		5.15			
400.	13.97	38.76	29.11	6.04	0.10	0.23		5.94			
500.	13.77	38.72	29.12	5.86	0.07	0.25		6.39			
600.	13.67	38.70	29.12	5.85	0.19	0.24		6.04			
700.	13.59	38.68	29.13	5.85	0.11	0.24		6.03			
800.	13.54	38.67	29.13	5.88	0.20	0.24		6.27			
1000.	13.48	38.66	29.13	5.85	0.22	0.24		5.91			

STATION NUMBER: KA-51 SEASON:
TOTAL DEPTH: 2300.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:11-03-89 TIME:21:15 LONGITUDE:31. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36. 0'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.40
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:1.21
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.88	39.04	28.89	6.65	0.03	0.06		0.22	0.91		
10.	15.71	39.04	28.93	7.63	0.08	-11		0.40			
50.	15.57	39.04	28.96	7.74	0.03	-11		0.35			
100.	15.44	39.03	28.98	7.43	0.08	-11		0.76			
150.	15.18	38.98	29.00	7.12	0.03	0.10		1.72			
200.	14.60	38.87	29.05	6.34	0.15	0.12		2.99			
250.	14.30	38.82	29.08	6.05	0.12	0.18		3.89			
300.	14.15	38.80	29.09	5.98	0.16	0.18		3.95			
350.	14.84	38.77	29.10	6.07	0.14	0.20		4.24			
400.	13.85	38.74	29.11	5.80	0.17	0.20		4.91			
500.	13.74	38.72	29.12	5.72	0.08	0.24		5.99			
600.	13.66	38.70	29.12	5.71	0.16	0.24		6.00			
700.	13.59	38.68	29.13	5.65	0.05	0.26		5.98			
800.	13.55	38.67	29.13	5.70	0.14	0.26		5.97			
1000.	13.48	38.66	29.13	5.65	0.12	0.24		5.89			

STATION NUMBER: KA-52 SEASON:
TOTAL DEPTH: 2300.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:12-03-89 TIME:00:45 LONGITUDE:30.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36. 0'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.34
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.18	39.09	28.86	8.49	0.10	0.05		0.37	1.36		
50.	15.92	39.08	28.91	8.18	0.09	-11		0.16			
100.	15.35	39.07	28.92	7.72	0.07	-11		0.50			
200.	15.62	39.05	28.96	7.28	0.03	0.05		1.04			
300.	15.48	39.03	28.98	7.26	0.06	0.06		1.16			
400.	15.08	38.96	29.01	6.87	0.12	0.08		1.86			
500.	14.28	38.82	29.08	6.07	0.12	0.12		2.93			
600.	13.90	38.75	29.11	5.67	0.14	0.22		5.60			
700.	13.77	38.73	29.12	5.71	0.09	0.25		6.13			
800.	13.64	38.69	29.13	5.66	0.09	0.25		6.08			
1000.	13.47	38.66	29.13	5.55	0.10	0.25		6.15			

STATION NUMBER: KA-53 SEASON:
TOTAL DEPTH: 2900.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:12-03-89 TIME:04:15 LONGITUDE:30. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36. 0'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.09	39.08	28.87	8.37	0.06	-11		0.16	1.15		
50.	15.94	39.07	28.90	7.96	0.06	-11		0.32	1.15		
100.	15.84	39.07	28.92	7.65	0.03	-11		0.64	1.23		
200.	15.63	39.04	28.95	7.38	0.03	-11		1.10	1.43		
300.	15.41	39.02	28.98	7.15	0.10	-11		1.25	1.61		
400.	15.11	38.98	29.02	7.12	0.06	0.06		1.93	2.18		
500.	14.57	38.88	29.06	6.32	0.06	0.11		2.79	4.35		
600.	14.30	38.85	29.10	6.34	0.06	0.18		4.37	4.97		
700.	13.89	38.75	29.11	5.74	0.12	0.20		5.17	7.39		
800.	13.86	38.75	29.12	5.95	0.10	0.22		5.67	7.67		
1000.	13.60	38.69	29.13	5.51	0.12	0.22		5.89	9.12		

STATION NUMBER: KA-54
TOTAL DEPTH: 1700.0 m.
PLACE:
DATE:12-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:1.7
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:23:30
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:28.30'
LATITUDE:36. 0'
WIND:
WIND DIRECTION:

TSS:0.60
SD/PH:
SW/PH:1.17
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.66	39.06	28.95	8.10	0.08			0.38	1.30		
50.	15.50	39.03	28.97	7.83	0.05			0.44	1.47		
100.	15.35	39.00	28.98	7.74	0.13			1.76	1.59		
200.	14.97	38.96	29.04	7.39	0.16			1.74	2.46		
300.	14.35	38.84	29.09	6.54	0.12			3.78	5.20		
400.	14.05	38.79	29.11	6.26	0.14			4.17	6.46		
500.	13.99	38.78	29.12	6.40	0.08			5.55	6.95		
600.	13.71	38.71	29.12	5.88	0.11			5.96	8.52		
700.	13.62	38.69	29.13	5.87	0.08			5.82	8.99		
800.	13.56	38.68	29.13	5.91	0.12			5.30	9.43		
900.	13.52	38.67	29.13	5.68	0.21			5.44	9.66		
1000.	13.49	38.66	29.13	5.87	0.15			5.52	9.58		

STATION NUMBER: KA-55
TOTAL DEPTH: 3000.0 m.
PLACE:
DATE:17-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:13:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:29. 0'
LATITUDE:36. 0'
WIND:
WIND DIRECTION:

TSS:1.93
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.78	39.05	28.92	8.24	0.10	-11		0.19	1.32		
50.	15.34	39.02	29.00	8.65	0.10	-11		0.12	1.32		
100.	14.62	38.90	29.07	7.34	0.07	0.11		3.03	4.01		
200.	14.34	38.87	29.11	7.22	0.10	0.08		2.27	4.34		
300.	14.14	38.83	29.12	6.83	0.17	0.18		4.34	6.11		
400.	13.98	38.79	29.12	6.55	0.12	0.20		5.03	6.59		
500.	13.94	38.78	29.13	6.54	0.10	0.20		5.27	7.50		
600.	13.82	38.75	29.13	6.29	0.13	0.22		5.46	7.98		
700.	13.72	38.72	29.13	6.14	0.20	0.24		5.60	8.41		
800.	13.67	38.71	29.13	6.04	0.13	0.24		5.62	9.01		
1000.	13.54	38.68	29.13	5.86	0.23	0.22		5.43	9.81		

STATION NUMBER: KA-56 | SEASON:
TOTAL DEPTH: 4000.0 m. | STATION TYPE:
PLACE: | CHARACTER
DATE:15-03-89 | TIME:04:30 | LONGITUDE:28.30'
BAROMETRIC PRESSURE: | AIR TEMPERATURE: | LATITUDE:36. 0'
CLOUD: | WAVE STATE: | WIND:
SECCHI DISK DEPTH: | VISIBILITY: | WIND DIRECTION:

OS:NO | TR:ND | TSS:1.18
SD/Hg: | SD/Cd: | SD/PH:
SW/Hg:5.4 | SW/Cd: | SW/PH:-11
SM/Hg: | SM/Cd: | FC/0m.:
BOD-5: | FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.60	39.06	28.97	11.05	0.09	-11		0.33			
10.	15.62	39.05	28.96	8.30	0.08	-11		0.28	1.41		
50.	15.62	39.05	28.96	8.12	0.11	-11		0.43	1.38		
100.	15.22	39.00	29.01	7.71	0.07	-11		0.86	1.69		
150.	15.00	38.97	29.03	7.46	0.13	0.05		1.03	2.57		
200.	14.50	38.86	29.07	6.74	0.14	0.14		3.66	4.32		
250.	14.22	38.81	29.09	6.32	0.20	0.14		3.95	5.40		
300.	14.35	38.87	29.10	6.87	0.19	0.14		3.72	4.76		
350.	14.35	38.86	29.11	6.87	0.19	0.14		3.57	4.66		
400.	14.31	38.85	29.12	6.87	0.23	0.14		3.55	4.60		
500.	14.08	38.81	29.12	6.53	0.16	0.16		3.90	5.79		
600.	14.04	38.80	29.12	6.55	0.09	0.16		4.18	6.24		
700.	13.99	38.79	29.12	6.46	0.06	0.16		4.59	6.72		
800.	13.80	38.74	29.13	6.22	0.06	0.20		5.18	7.11		
900.	13.72	38.72	29.13	5.93	0.19						
1000.	13.68	38.71	29.13	6.00	0.07	0.20		5.20	8.57		

DATE:05-03-89 | TIME:05:30 | LONGITUDE:35.25'
BAROMETRIC PRESSURE: | AIR TEMPERATURE: | LATITUDE:35.30'
CLOUD: | WAVE STATE: | WIND:
SECCHI DISK DEPTH: | VISIBILITY: | WIND DIRECTION:

OS: | TR: | TSS:0.06
SD/Hg: | SD/Cd: | SD/PH:
SW/Hg: | SW/Cd: | SW/PH:
SM/Hg: | SM/Cd: | FC/0m.:
BOD-5: | FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.60	39.09	28.75	8.42	0.14	-11		0.16	0.88		
50.	16.45	39.08	28.78	7.65	0.21	-11		0.17			
100.	16.32	39.09	28.82	7.63	0.06	-11		0.26			
125.	16.29	39.09	28.83	7.61							
150.	16.25	39.09	28.84	7.62							
200.	15.80	39.02	28.89	7.40	0.12			0.38			
250.	15.78	39.05	28.92	7.61							
300.	15.09	38.93	28.98	6.82	0.16	0.10		2.32			
400.	14.30	38.82	29.08	6.14	0.27	0.18		4.94			
500.	13.87	38.74	29.11	5.75	0.11	0.25		6.12			
600.	13.67	38.70	29.12	5.69	0.06	0.25		6.23			
700.	13.59	38.68	29.13	5.71	0.18	0.26		6.29			
800.	13.54	38.67	29.13	5.60	0.08	0.25		6.15			

STATION NUMBER: KA-58 | SEASON:
TOTAL DEPTH: 670.0 m. | STATION TYPE:
PLACE: | CHARACTER
DATE:05-03-89 | TIME:10:30 | LONGITUDE:35.03'
BAROMETRIC PRESSURE:1022 | AIR TEMPERATURE: | LATITUDE:35.38'
CLOUD:bc | WAVE STATE:2 | WIND:2
SECCHI DISK DEPTH: | VISIBILITY:6 | WIND DIRECTION:N

OS: | TR: | TSS:0.04
SD/Hg: | SD/Cd: | SD/PH:
SW/Hg:5.07 | SW/Cd: | SW/PH:0.46
SM/Hg: | SM/Cd: | FC/0m.:
BOD-5: | FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.25	39.09	28.84	3.46	0.04	-11		0.38	1.25		
50.	15.97	39.08	28.90	8.52	0.10	-11		0.41	1.35		
100.	15.83	39.04	28.95	8.18	0.22	-11		0.93	1.41		
200.	15.50	39.04	28.98	7.72	0.22	0.04		1.47	2.00		
300.	14.39	38.82	29.07	6.43	0.04	0.15		3.90	3.70		
400.	13.92	38.74	29.11	6.12	0.22	0.23		6.06	7.77		
500.	13.78	38.71	29.12	6.05	0.16	0.25		6.30	9.06		
600.	13.71	38.69	29.12	6.01	0.08	0.25		6.38	9.54		

STATION NUMBER: KA-59
TOTAL DEPTH: 720.0 m.
PLACE:
DATE:06-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:18:45
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:34. 0'
LATITUDE:35.35'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.27
SD/PH:
SW/PH:0.30
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.89	39.07	28.91	8.48	0.18	-11		0.42	1.45		
50.	15.85	39.08	28.97	8.01	0.06	-11		0.59			
100.	15.55	39.06	28.98	7.72	0.18	0.05		1.04			
200.	15.48	39.06	29.00	7.64	0.03	0.05		0.97			
300.	14.41	38.84	29.07	6.49	0.17	0.12		3.43			
400.	13.94	38.75	29.11	5.80		0.24		5.97			
500.	13.71	38.71	29.12	5.82	0.25	0.26		6.26			
600.	13.56	38.68	29.13	5.76	0.26	0.26		6.17			

STATION NUMBER: KA-60
TOTAL DEPTH: 800.0 m.
PLACE:
DATE:07-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:06:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:33.30'
LATITUDE:35.30'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:7.0
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.30
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.97	39.08	28.90	7.82	0.06	-11		0.34	1.14		
50.	15.76	39.09	28.95	7.85	0.12	-11		0.39			
100.	15.69	39.08	28.96	7.64	0.04	-11		0.60			
200.	15.30	39.02	29.01	7.22	0.08	0.06		1.53			
300.	14.53	38.87	29.06	6.36	0.23	0.16		4.16			
400.	13.93	38.75	29.10	5.70	0.21	0.16		4.29			
500.	13.70	38.71	29.12	5.78	0.22	0.18		4.35			
600.	13.61	38.69	29.13	5.75	0.06	0.18		4.54			
700.	13.54	38.67	29.13	5.69	0.18	0.19		4.60			

STATION NUMBER: KA-62
TOTAL DEPTH: 1750.0 m.
PLACE:
DATE:07-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:21:40
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:32.30'
LATITUDE:35.30'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.56
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.81	39.05	28.91	8.13	0.02	-11		0.14	1.43		
50.	15.54	39.05	28.97	7.82	0.10	-11		0.45			
100.	15.43	39.03	28.99	7.38	0.07	0.05		1.31			
200.	14.61	38.87	29.05	6.38	0.10	0.15		4.20			
300.	14.09	38.79	29.10	6.05	0.07	0.21		5.67			
400.	13.84	38.74	29.11	5.77	0.04	0.24		6.19			
500.	13.70	38.71	29.12	5.81	0.06	0.24		6.40			
600.	13.61	38.69	29.12	5.77	0.08	0.23		6.16			
700.	13.55	38.68	29.13	5.64	0.10	0.23		6.14			
800.	13.51	38.67	29.13	5.60	0.14	0.23		5.97			
1000.	13.44	38.65	29.13	5.56	0.15	0.23		5.85			

STATION NUMBER: KA-63 SEASON:
TOTAL DEPTH: 2200.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:08-03-89 TIME:01:25 LONGITUDE:32. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:35.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:
SD/Hg: SD/Cd: SD/PH:
SW/Hg:3.9 SW/Cd: SW/PH:0.21
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.74	39.04	28.92	8.07	0.04	-11		0.63	1.63		
50.	15.50	39.03	28.97	7.74	0.26	-11		0.15	1.58		
100.	15.47	39.03	28.98	7.71	0.20	-11		0.88	1.57		
200.	15.26	39.01	29.01	7.59	0.16	-11		0.59	1.12		
300.	14.39	38.84	29.07	6.26	0.21	0.15		4.23	5.18		
400.	13.94	38.76	29.11	5.98	0.23	0.17		4.70	7.38		
500.	13.81	38.73	29.12	5.88	0.07	0.21		5.45	8.31		
600.	13.71	38.71	29.12	5.83	0.20	0.22		5.54	8.57		
700.	13.63	38.69	29.13	5.94	0.22	0.22		5.62	9.30		
900.	13.50	38.66	29.13	5.65	0.14	0.24		6.04	10.08		

STATION NUMBER: KA-64 SEASON:
TOTAL DEPTH: 2500.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:10-03-89 TIME:21:45 LONGITUDE:31.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:35.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:1.28
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:0.47
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.31	39.04	29.02	7.58	0.06	-11		0.32	1.77		
50.	15.22	39.00	29.01	7.53	0.20	-11		0.35			
100.	14.94	38.96	29.04	7.10	0.03	0.06		1.91			
200.	14.22	38.81	29.09	6.10	0.14	0.16		3.63			
300.	13.90	38.75	29.11	6.05	0.19	0.18		4.15			
400.	13.76	38.72	29.12	5.80	0.07	0.25		6.21			
500.	13.67	38.70	29.12	5.98	0.19	0.25		6.13			
600.	13.59	38.69	29.13	5.82	0.07	0.24		6.14			
700.	13.54	38.67	29.13	5.38	0.06	0.24		6.13			
800.	13.50	38.66	29.13	5.79	0.18	0.24		6.06			
1000.	13.45	38.65	29.13	5.83	0.16	0.24		6.03			

STATION NUMBER: KA-85
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:10-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:18:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:31. 0'
LATITUDE:35.30'
WIND:
WIND DIRECTION:

OS:NO
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:ND
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.48
SD/PH:
SW/PH:0.94
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.02	39.06	28.87	8.75	0.05	-11		0.14	1.87		0.33
10.	15.82	39.06	28.92	8.41	0.07	-11		0.40	2.33		
50.	15.69	39.06	28.95	8.21	0.03	-11		0.32	2.46		0.36
80.	15.69	39.06	28.95	8.09							0.33
100.	15.62	39.05	28.96	7.92	0.08	-11		0.98	2.03		
150.	15.36	39.01	28.99	7.54	0.11	-11		0.86	2.00		
200.	15.27	39.00	29.00	7.46	0.10	0.05		1.29	2.02		
250.	15.07	38.97	29.02	7.32	0.03	0.05		1.17	2.48		
300.	14.70	38.90	29.05	6.83	0.09	0.08		1.94	2.64		
400.	13.98	38.76	29.10	6.03	0.08	0.20		5.21	6.78		
500.	13.82	38.74	29.12	6.02	0.15	0.22		5.47	7.70		
600.	13.70	38.71	29.12	5.81	0.11	0.24		6.09	8.62		
700.	13.62	38.69	29.13	5.84	0.20	0.24		6.14	9.31		
800.	13.55	38.68	29.13	5.95	0.05	0.24		6.02	9.27		
1000.	13.48	38.66	29.13	5.78	0.07	0.24		5.94	10.31		

STATION NUMBER: KA-86
TOTAL DEPTH: 1600.0 m.
PLACE:
DATE:10-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:15:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:30.30'
LATITUDE:35.30'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:
SD/PH:
SW/PH:0.35
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.94	39.05	28.88	9.15	0.09	-11		0.34	1.64		
50.	15.62	39.05	28.96	8.69	0.03	-11		0.56			
100.	15.34	39.02	29.00	8.05	0.03	-11		0.37			
200.	14.98	38.96	29.03	7.51	0.08	0.06		1.59			
300.	14.15	38.80	29.09	6.34	0.03	0.20		4.86			
400.	13.90	38.75	29.11	6.18	0.06	0.22		5.41			
500.	13.77	38.73	29.12	6.03	0.14	0.22		5.60			
600.	13.69	38.71	29.13	5.91	0.14	0.24		5.88			
700.	13.64	38.70	29.13	5.93	0.22	0.25		6.09			
800.	13.55	38.68	29.13	5.80	0.03	0.24		5.92			
1000.	13.47	38.66	29.13	5.75	0.14	0.24		5.90			

STATION NUMBER: KA-67 SEASON:
TOTAL DEPTH: 2000.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:12-03-89 TIME:08:30 LONGITUDE:30. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:35.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.78
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.84	39.07	28.92	8.83	0.04	-11		0.39	1.33		
50.	15.76	39.06	28.93	8.23	0.10	-11		0.38			
100.	15.48	39.03	28.98	7.77	0.03	0.05		1.38			
190.	15.26	39.51	29.01	7.60	0.02	0.07		1.72			
300.	14.24	38.81	29.08	6.02	0.05	0.12		2.89			
400.	13.93	38.76	29.11	5.88	0.03	0.22		5.88			
500.	13.79	38.73	29.12	5.78	0.05	0.24		5.97			
600.	13.66	38.70	29.13	5.73	0.03	0.25		6.11			
700.	13.60	38.69	29.13	5.75	0.03	0.25		6.06			
800.	13.54	38.67	29.13	5.74	0.04	0.25		6.07			
1000.	13.45	38.65	29.13	5.58	0.04	0.25		6.08			

STATION NUMBER: KA-68 SEASON:
TOTAL DEPTH: 2500.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:12-03-89 TIME:19:45 LONGITUDE:29.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:35.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS:NO TR:ND TSS:0.60
SD/Hg: SD/Cd: SD/PH:
SW/Hg:1.7 SW/Cd: SW/PH:1.17
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.51	39.02	28.96	6.31	0.05	-11		0.38	1.30		
50.	15.48	39.03	28.97	8.12	0.05	-11		0.44	1.47		
100.	15.13	38.99	29.02	7.45	0.13	0.05		1.76	1.49		
200.	14.47	38.87	29.08	6.62	0.16	0.07		1.74	2.46		
300.	14.04	38.78	29.11	6.17	0.12	0.12		3.78	5.20		
400.	13.84	38.74	29.12	6.03	0.14	0.19		5.17	6.46		
500.	13.74	38.72	29.12	5.89	0.08	0.21		5.55	6.95		
600.	13.63	38.69	29.13	5.93	0.11	0.24		5.96	8.42		
700.	13.54	38.67	29.13	5.68	0.08	0.24		5.82	8.99		
800.	13.50	38.66	29.13	5.75	0.12	0.25		6.00	9.43		
900.	13.46	38.65	29.13	5.74	0.12	0.25		6.14	9.66		
1000.	13.46	38.65	29.13	5.74	0.15	0.25		6.12	9.48		

STATION NUMBER: KA-69
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:11-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:09:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:29. 0'
LATITUDE:35.30'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.83
SD/PH:
SW/PH:0.27
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.04	38.89	28.74	6.59	0.12	-11		0.32	0.68		
10.	15.10	38.97	29.01	8.69	0.07	-11		0.32	0.62		
50.	14.90	38.95	29.04	8.43	0.13	-11		0.78	1.59		
100.	14.36	38.86	29.10	7.17	0.10	0.08		2.38	4.62		
150.	14.24	38.84	29.11	6.97	0.12	0.10		2.54	5.18		
200.	13.97	38.78	29.12	6.49	0.10	0.18		5.37	6.97		
250.	14.06	38.81	29.12	6.67	0.12						
300.	14.15	38.84	29.12	7.06	0.16	0.15		4.24	5.58		
350.	14.13	38.84	29.12	7.16	0.11	0.12		3.93	5.45		
400.	14.11	38.83	29.13	6.84	0.10	0.16		4.58	5.74		
450.	14.08	38.82	29.13	6.80	0.13	0.19		4.90	6.06		
500.	14.04	38.81	29.13	6.76	0.08	0.19		4.72	6.33		
600.	13.97	38.79	29.13	6.51	0.10	0.17		4.96	6.79		
700.	13.89	38.77	29.13	6.39	0.07	0.19		5.45	7.84		
800.	13.74	38.73	29.13	6.14	0.10	0.23			8.30		
900.	13.70	38.72	29.13	6.06	0.12	0.21		5.84	8.75		
1000.	13.61	38.70	29.13	6.04	0.10	0.21		5.69	8.88		

TATION NUMBER: KA-71
TOTAL DEPTH: 1200.0 m.
PLACE:
DATE:05-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:01:40
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:35.30'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.18
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.63	39.10	28.75	5.52	0.08	-11		0.17	0.93		
50.	16.47	39.07	28.77	7.83	0.08	-11		0.26			
100.	16.29	39.05	28.80	7.52	0.21	-11		0.37			
200.	15.77	39.03	28.90	7.53	0.08	0.05		0.76			
300.	14.86	38.90	29.02	6.87	0.17	0.13		3.61			
400.	14.19	38.80	29.09	6.03	0.21	0.19		5.20			
500.	13.85	38.74	29.11	5.92	0.23	0.22		5.70			
600.	13.66	38.70	29.12	5.74	0.25	0.24		6.07			
700.	13.54	38.67	29.13	5.78	0.16	0.25		6.24			
800.	13.49	38.66	29.13	5.71	0.09	0.24		6.14			
1000.	13.40	38.64	29.13	5.74	0.19	0.24		6.04			

STATION NUMBER: KA-72
TOTAL DEPTH: 1500.0 m.
PLACE:
DATE:04-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:22:00
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:35. 0'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

DS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.14
SD/PH:
SW/PH:0.76
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.38	39.06	28.79	7.67	0.13	-11		0.12	1.22		
10.	16.27	39.07	28.82	7.74	0.24	-11		0.23	1.25		
50.	15.84	39.04	28.90	7.65	0.10	-11		0.45	1.43		
100.	15.34	38.97	28.96	7.05	0.11	0.08		2.15	2.59		
150.	14.85	38.90	29.01	6.39	0.08	0.16		4.00	3.96		
200.	14.45	38.84	29.06	6.14	0.17	0.20		5.05	5.46		
250.	14.11	38.79	29.09	5.96	0.24	0.22		5.86	6.99		
300.	13.98	38.76	29.10	5.86	0.17	0.22		2.84	7.70		
350.	13.87	38.74	29.11	5.79	0.06						
400.	13.77	38.72	29.12	5.72	0.05	0.24		6.19	9.11		
450.	13.71	38.71	29.12	5.75	0.10	0.24		5.87	8.96		
500.	13.66	38.70	29.12	5.78	0.08	0.24		6.00	9.35		
600.	13.59	38.69	29.13	5.75	0.08	0.24		6.07	9.61		
700.	13.53	38.67	29.13	5.70	0.10	0.22		6.02	9.84		
800.	13.49	38.66	29.13	5.69	0.05	0.22		6.19	9.98		
900.	13.45	38.65	29.13	5.67	0.11	0.24		6.00	10.59		
1000.	13.42	38.65	29.13	5.68	0.06	0.24		6.07	11.37		

STATION NUMBER: KA-73
TOTAL DEPTH: 970.0 m.
PLACE:
DATE:03-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:09:30
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:34.30'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

DS:
SD/Hg:
SW/Hg:8.3
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.30
SD/PH:
SW/PH:0.33
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.77	39.03	28.90	6.43	0.05	-11		0.14	1.35		
25.	15.53	39.02	28.95	7.89	0.13	-11		0.12			
50.	15.05	38.96	29.02	7.21	0.08	-11		0.46			
100.	14.75	38.90	29.04	6.54	0.11	0.13		3.76			
150.	14.43	38.84	29.07	6.14	0.07	0.19		5.11			
200.	14.20	38.80	29.08	5.88	0.05	0.21		5.69			
250.	14.05	38.77	29.10	5.81	0.04	0.24		6.03			
300.	13.91	38.75	29.11	5.75	0.04	0.25		5.96			
400.	13.72	38.71	29.12	5.67	0.14	0.24		6.03			
500.	13.61	38.69	29.13	5.57	0.08	0.24		6.06			
600.	13.52	38.67	29.13	5.61	0.10	0.25		6.09			
700.	13.47	38.66	29.13	5.60	0.10	0.24		5.91			
800.	13.43	38.65	29.13	5.56	0.22	0.24		5.92			
900.	13.39	38.64	29.13	5.54	0.07	0.24		5.85			
1000.	13.39	38.64	29.13	5.54	0.16	0.23		5.90			

STATION NUMBER: KA-74
TOTAL DEPTH: 2000.0 m.
PLACE:
DATE:08-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:05:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:32. 0'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.46
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.97	39.04	28.87	8.56	0.08	-11		0.14	1.06		
50.	15.40	39.01	28.98	7.91	0.06	-11		0.63	1.81		
100.	14.77	38.89	29.03	6.65	0.07	0.08		2.24	2.88		
200.	14.39	38.84	29.07	6.35	0.14	0.19		4.99	5.67		
300.	14.03	38.77	29.10	6.09	0.14	0.21		5.21	6.39		
400.	13.80	38.73	29.12	5.75	0.28	0.22		5.98	7.74		
500.	13.68	38.70	29.12	5.84	0.19	0.24		6.02	8.96		
600.	13.61	38.69	29.13	5.83	0.07	0.24		6.12	9.43		
700.	13.55	38.68	29.13	5.65	0.16	0.24		6.73	9.71		
800.	13.51	38.67	29.13	5.78	0.27	0.21		5.64	10.08		
1000.	13.45	38.65	29.13	5.80	0.18	0.22		5.74	10.20		

STATION NUMBER: KA-75
TOTAL DEPTH: 2200.0 m.
PLACE:
DATE:10-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:04:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:31.30'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:
SD/PH:
SW/PH:0.47
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.77	39.03	28.90	8.30	0.18	-11		0.33	1.54		
50.	15.31	38.99	28.98	7.96	0.16	-11		0.37			
100.	14.84	38.94	29.05	7.24	0.11	0.07		2.65			
200.	14.44	38.87	29.08	6.72	0.24	0.08		3.08			
300.	14.03	38.78	29.11	6.22	0.20	0.18		5.33			
400.	13.86	38.75	29.12	6.13	0.14	0.20		5.43			
500.	13.77	38.73	29.12	6.09	0.16	0.23		6.08			
600.	13.65	38.70	29.13	5.84	0.19	0.22		6.02			
700.	13.58	38.68	29.13	5.75	0.19	0.22		6.12			
800.	13.52	38.67	29.13	5.77	0.22	0.22		6.06			

STATION NUMBER: KA-76
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:10-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:07:30
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:31. 0'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:2.3
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:1.60
SD/PH:
SW/PH:0.14
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.60	39.07	28.98	9.04	0.20	-11		0.43	1.64		
50.	15.65	39.05	28.95	8.33	0.08	-11		0.43	1.99		
100.	15.38	39.02	28.99	7.98	0.19	-11		1.03	1.92		
200.	14.47	38.86	29.07	6.55	0.19	0.16		4.40	5.14		
300.	14.12	38.80	29.10	6.38	0.14	0.18		4.69	6.50		
400.	13.89	38.75	29.11	6.09	0.16	0.24		6.03	7.80		
500.	13.76	38.72	29.12	6.04	0.12	0.24		6.06	8.24		
600.	13.67	38.70	29.12	5.86	0.22	0.24		6.06	8.50		
700.	13.60	38.69	29.13	5.86	0.19	0.24		5.94	8.95		
800.	13.53	38.67	29.13	5.78	0.27			5.87	9.83		
1000.	13.46	38.65	29.13	5.51	0.26				10.34		

STATION NUMBER: KA-77
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:10-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:11:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:30.30'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.33
SD/PH:
SW/PH:1.55
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.64	39.03	28.94	8.30	0.18	-11		0.31	1.65		
50.	15.49	39.02	28.96	8.13	0.10	-11		0.39			
100.	15.00	38.97	29.04	7.65	0.24	-11		0.87			
200.	14.56	38.89	29.08	6.93	0.18	0.11		3.15			
300.	14.08	38.80	29.11	6.45	0.14	0.14		3.95			
400.	13.91	38.76	29.12	6.09	0.16	0.16		4.45			
500.	13.72	38.72	29.12	5.92	0.06	0.21		5.87			
600.	13.67	38.71	29.13	5.98	0.22	0.23		6.06			
700.	13.59	38.69	29.13	5.85	0.03	0.22		8.00			
800.	13.53	38.67	29.13	5.77	0.12	0.22		5.96			
1000.	13.46	38.66	29.13	5.76	0.14	0.22		5.94			

STATION NUMBER: KA-78
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:12-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:12:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:30. 0'
LATITUDE:35. 5'
WIND:
WIND DIRECTION:

TSS:0.20
SD/PH:
SW/PH:0.81
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.62	39.03	28.94	8.76	0.03	-11		0.21	1.35		
50.	15.51	39.03	28.97	8.39	0.04	-11		0.36			
100.	15.37	39.01	28.99	7.99	0.10	-11		0.54			
200.	15.04	38.98	29.04	7.67	0.05	0.05		1.65			
300.	14.31	38.83	29.09	6.68	0.07	0.10		2.88			
400.	14.03	38.78	29.11	6.11	0.15	0.19		5.28			
500.	13.85	38.74	29.12	5.99	0.03	0.21		5.50			
600.	13.71	38.71	29.12	5.91	0.04	0.21		5.71			
700.	13.63	38.69	29.13	5.69	0.05	0.22		5.84			
800.	13.57	38.68	29.13	5.87	0.06	0.24		5.92			
900.	13.52	38.67	29.13	5.80	0.03	0.22		5.62			
1000.	13.48	38.66	29.13	5.68	0.10	0.22		5.79			

PLACE:
DATE:12-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TIME:16:15
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:29.30'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

TSS:0.73
SD/PH:
SW/PH:0.79
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.46	38.98	28.94	8.25	0.09	-11		0.68	1.30		
50.	15.30	38.98	28.98	8.26	0.06	-11		0.37			
100.	14.87	38.94	29.05	7.57	0.20	0.08		1.38			
200.	14.38	38.85	29.09	6.42	0.03	0.13		3.50			
300.	14.02	38.78	29.11	6.28	0.11	0.15		3.73			
400.	13.82	38.74	29.12	5.90	0.17	0.17		4.30			
500.	13.70	38.71	29.12	5.92	0.10	0.20		5.21			

STATION NUMBER: KA-80
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:15-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:11.0
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:13:45
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:29. 0'
LATITUDE:35. 2'
WIND:
WIND DIRECTION:

TSS:0.66
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	14.79	38.86	29.00	8.35	0.12	-11		0.54	1.05		
50.	14.58	38.88	29.06	8.04	0.16	-11		0.51	1.05		
100.	14.21	38.84	29.11	6.94	0.14	0.11		2.93	3.78		
200.	13.84	38.76	29.13	6.38	0.24	0.18		4.19	6.85		
300.	13.65	38.70	29.13	6.07	0.21	0.22		3.49	8.76		
400.	13.58	38.69	29.13	6.01	0.09	0.22		5.46	9.01		
500.	13.52	38.67	29.13	5.89	0.09	0.22		5.60	9.81		

STATION NUMBER: KA-81
TOTAL DEPTH: 2700.0 m.
PLACE:
DATE:17-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:
TIME:04:30
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:28.30'
LATITUDE:35. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.77
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	14.89	38.91	29.02	8.01	0.17	-11		0.74	1.60		
10.	14.87	38.93	29.03	8.31	0.15			0.66			
50.	14.57	38.90	29.08	7.90	0.07	-11		0.73			
100.	14.21	38.85	29.12	7.06	0.09	0.07		2.57			
150.	14.14	38.83	29.12	6.80	0.19	0.09		2.74			
200.	14.04	38.81	29.12	6.69	0.06	0.11		3.01			
250.	14.01	38.80	29.12	6.54	0.06	0.12		3.30			
300.	14.02	38.80	29.13	6.70	0.03	0.16		4.44			
350.	14.55	38.81	29.13	6.64	0.08	0.18		4.80			
400.	13.91	38.77	29.13	6.41	0.08	0.19		4.94			
500.	13.70	38.72	29.13	6.17	0.18	0.22		5.53			
600.	13.61	38.69	29.13	6.05	0.12	0.22		5.65			
700.	13.54	38.68	29.13	5.92	0.11	0.22		5.57			
800.	13.50	38.66	29.13	5.81	0.12	0.23		5.69			
1000.	13.43	38.65	29.13	5.88	0.12	0.24		5.83			

ODTÜ-DBB KÜTÜPHANESİ
METU-OMS LIBRARY

STATION NUMBER: KA-82
TOTAL DEPTH: 2000.0 m.
PLACE:
DATE:08-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:
TIME:09:10
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:32. 0'
LATITUDE:34.30'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.25
SD/PH:
SW/PH:0.09
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.37	39.07	28.79	8.01	0.12	-11		0.25	0.95		
50.	16.35	39.07	28.80	7.98	0.21	-11		0.20	0.85		
100.	16.23	39.06	28.82	7.85	0.10	-11		0.14	1.04		
200.	15.48	39.02	28.97	7.87	0.10	-11		0.74	1.46		
300.	15.44	39.02	28.98	7.67	0.11	-11		0.79	1.63		
400.	14.95	38.95	29.04	7.22	0.06	0.05		1.69	2.23		
500.	14.16	38.80	29.10	6.21	0.23	0.17		4.59	6.25		
600.	13.80	38.73	29.12	5.88	0.27	0.24		6.03	7.95		
700.	13.68	38.70	29.12	5.75	0.11	0.23		5.87	8.60		
1000.	13.51	38.67	29.13	5.83	0.21	0.22		5.76	10.30		

STATION NUMBER: KA-83
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:09-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:0.4
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:23:50
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31.30'
LATITUDE:34.30'
WIND:
WIND DIRECTION:

TSS:
SD/PH:
SW/PH:0.62
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.12	39.02	28.82	8.03	0.02	0.05		0.18	1.08		
10.	16.12	39.02	28.82	7.94	0.15	-11		0.24			
50.	15.92	39.03	28.87	7.96	0.10	-11		0.26			
100.	15.17	38.95	28.98	7.34	0.04	-11		0.87			
200.	14.52	38.86	29.06	6.26	0.06	0.14		4.35			
300.	14.07	38.78	29.10	5.90	0.05	0.22		5.87			
400.	13.86	38.74	29.11	5.83	0.16	0.24		6.04			
500.	13.76	38.72	29.12	5.80	0.20	0.25		6.09			
600.	13.65	38.70	29.12	5.74	0.27	0.25		6.26			
700.	13.58	38.68	29.13	5.69	0.09	0.26		6.37			

STATION NUMBER: KA-84
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:09-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

OS:
SD/Hg:
SW/Hg:5.5
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:20:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31. 0'
LATITUDE:34.30'
WIND:
WIND DIRECTION:

TSS:0.52
SD/PH:
SW/PH:0.50
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	16.11	39.04	28.83	8.19	0.06	-11		0.14			
50.	15.63	39.01	28.93	8.08	0.04	-11		0.73	1.50		
100.	15.35	39.00	28.98	7.59	0.03	0.05		1.05			
200.	14.90	38.96	29.05	7.25	0.15	0.12		3.03	3.28		
300.	14.23	38.82	29.10	6.28	0.06	0.17		4.76	5.03		
400.	13.95	38.76	29.11	5.97	0.12	0.22		5.46	6.68		
500.	13.79	38.73	29.12	5.99	0.10	0.24		5.85	7.91		
600.	13.70	38.71	29.12	5.88	0.16	0.24		6.18	7.98		
700.	13.63	38.70	29.13	5.84	0.15	0.24		6.16	8.88		
900.	13.51	38.67	29.13	5.77	0.04	0.24		6.08	9.45		

STATION NUMBER: KA-85 SEASON:
TOTAL DEPTH: 2500.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:09-03-89 TIME:16:50 LONGITUDE:30.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:34.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.62	39.01	28.92	8.57	0.04	-11		0.41	1.38		
10.	15.63	39.01	28.92	8.51	0.09	-11		0.47			
50.	15.46	39.00	28.95	8.26	0.15	-11		0.32			
100.	15.43	39.00	28.96	8.01	0.08	-11		0.50			
150.	15.32	38.99	28.98	7.92	0.04	-11		0.86			
200.	14.97	38.94	29.02	7.17	0.16	0.08		2.25			
250.	14.80	38.94	29.06	7.23	0.04	0.08		2.25			
300.	14.49	38.88	29.08	6.79	0.04	0.16		3.81			
350.	14.43	38.86	29.05	6.86	0.04	0.16		3.76			
400.	14.26	38.84	29.10	6.51	0.07	0.18		4.33			
500.	13.97	38.78	29.12	6.20	0.18	0.20		5.37			
600.	13.75	38.72	29.12	6.00	0.11	0.22		5.61			
700.	13.67	38.70	29.13	5.79	0.16	0.24		6.09			
800.	13.61	38.69	29.13	5.79	0.08	0.24		6.12			
900.	13.54	38.67	29.13	5.72	0.10	0.24		5.95			
1000.	13.49	38.66	29.13	5.66	0.07	0.24		6.16			

TOTAL DEPTH: 900.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:09-03-89 TIME:13:15 LONGITUDE:30. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:34.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.50
SD/Hg: SD/Cd: SD/PH:
SW/Hg:3.8 SW/Cd: SW/PH:0.14
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.82	39.03	28.89	9.37	0.04	-11		0.30	1.28		
50.	15.59	39.01	28.93	8.67	0.04	-11		0.16	1.43		
100.	15.32	38.99	28.98	8.11	0.08	-11		0.77	1.19		
200.	14.89	38.97	29.06	7.72	0.08	0.06		1.94	2.28		
300.	14.81	38.96	29.07	7.51	0.11	0.06		2.19	2.52		
400.	14.50	38.90	29.10	7.19	0.11	0.07		3.29	2.92		
500.	14.32	38.87	29.11	6.89	0.08	0.12		3.02	3.66		
600.	14.35	38.89	29.12	7.09	0.17	0.12		3.31	3.99		
700.	14.01	38.80	29.12	6.65	0.10	0.13		3.56	4.50		
800.	13.77	38.73	29.13	6.00	0.04	0.22		5.31	7.42		
1000.	13.68	38.71	29.13	5.95	0.10	0.24		5.94	9.01		

STATION NUMBER: KA-87 SEASON:
TOTAL DEPTH: 2500.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:15-03-89 TIME:18:45 LONGITUDE:29.25'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:34.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.55
SD/Hg: SD/Cd: SD/PH:
SW/Hg:9.9 SW/Cd: SW/PH:0.00
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.86	38.98	28.89	8.76	0.06	-11		0.38	1.07		
50.	15.86	38.98	28.89	8.09	0.21	-11		0.41			
100.	15.19	38.96	28.99	7.53	0.17	0.05		1.60			
200.	14.72	38.92	29.06	7.13	0.14	0.10		2.84			
300.	14.48	38.89	29.09	7.09	0.19	0.08		2.31			
400.	14.08	38.80	29.11	6.31	0.13	0.18	57	3.92			
500.	14.11	38.81	29.11	6.49	0.17	0.21		5.17			

STATION NUMBER: KA-88 SEASON:
TOTAL DEPTH: 2500.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:15-03-89 TIME:22:25 LONGITUDE:29. 0'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:34.25'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:1.10
SD/Hg: SD/Cd: SD/PH:
SW/Hg:3.1 SW/Cd: SW/PH:0.25
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	15.21	38.38	29.00	8.08	0.03	-11		0.97	1.59		
50.	15.17	38.97	29.00	7.90	0.08	-11		0.86	1.64		
100.	14.96	38.95	29.03	7.42	0.13	0.06		1.81	2.54		
200.	14.54	38.91	29.10	7.27	0.11	0.09		2.47	3.60		
300.	14.46	38.91	29.11	7.31	0.10	0.11		2.81	3.88		
400.	14.36	38.89	29.12	7.19	0.12	0.11		2.81	4.30		
500.	14.00	38.80	29.12	6.47	0.14	0.13		3.33	5.48		
600.	13.91	38.77	29.13	6.36	0.14	0.13		3.84	6.95		
700.	13.66	38.70	29.13	6.00	0.14	0.23		5.87	8.39		
800.	13.59	38.68	29.13	5.88	0.07	0.23		5.99	9.04		

STATION NUMBER: KA-89 SEASON:
TOTAL DEPTH: 2500.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:17-03-89 TIME:00:35 LONGITUDE:28.30'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:34.30'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	14.95	38.92	29.01	8.44	0.10	-11		0.17	0.78		
50.	14.75	38.92	29.05	8.33	0.23	-11		0.41			
100.	14.07	38.80	29.11	6.54	0.08	0.17		4.64			
200.	13.98	38.79	29.12	6.54	0.08	0.20		4.88			
300.	13.94	38.78	29.12	6.43	0.10	0.20		4.96			
400.	13.78	38.73	29.13	6.18	0.10	0.21		5.15			
500.	13.77	38.74	29.13	6.20	0.17	0.22		5.27			
600.	13.65	38.71	29.13	5.99	0.06	0.21		5.21			
700.	13.58	38.68	29.13	5.95	0.13	0.24		5.76			
800.	13.53	38.67	29.13	5.89	0.06	0.24		5.80			
1000.	13.46	38.65	29.13	5.85	0.06	0.24		5.88			

STATION NUMBER: KA-90
TOTAL DEPTH: 2500.0 m.
PLACE:
DATE:16-03-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:21:10
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

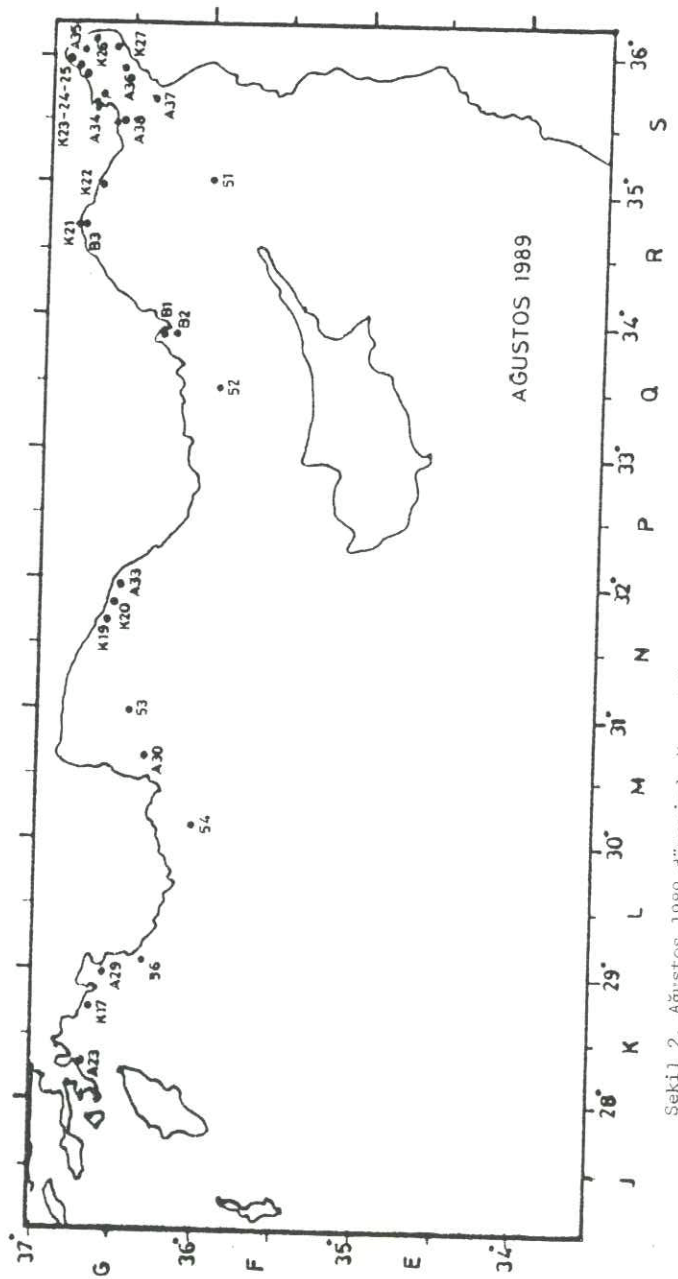
CHARACTER
LONGITUDE:28. 0'
LATITUDE:34.30'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:0.3
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.88
SD/PH:
SW/PH:0.42
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	14.75	38.90	29.04	8.41	0.04	-11		1.02	1.48		
10.	14.58	38.90	29.08	8.48	0.04	-11		0.57	1.43		
50.	14.57	38.90	29.08	8.25	0.37	-11		0.53	1.64		
100.	14.34	38.86	29.10	7.81	0.09	0.05		2.53	5.32		
150.	14.03	38.80	29.12	6.67	0.05	0.14		3.16	6.84		
200.	13.94	38.78	29.12	6.52	0.13	0.14		3.55	7.26		
250.	13.98	38.79	29.13	6.61	0.04	0.14		3.50	7.18		
300.	13.93	38.78	29.13	6.57	0.17	0.14		4.52	7.02		
350.	13.90	38.77	29.13	6.53	0.06	0.14		3.65	7.12		
400.	13.86	38.76	29.13	6.48	0.03	0.14		3.76	7.47		
500.	13.78	38.74	29.13	6.30	0.03	0.16		4.33	7.03		
600.	13.73	38.73	29.13	6.16	0.07	0.16		4.59	8.27		
700.	13.61	38.70	29.13	6.05	0.19	0.18		5.05	7.60		
800.	13.55	38.68	29.13	5.99	0.08	0.20		5.14	9.47		
900.	13.50	38.67	29.13	5.91	0.07	0.20		5.18	9.79		
1000.	13.49	38.66	29.13	5.92	0.04	0.20		5.10	10.29		



Şekil 2. Ağustos 1989 döneminde Kuzeydoğu Akdeniz'de ölçüm yapılan istasyonlar

STATION NUMBER: A-35
TOTAL DEPTH: 42.0 m.
PLACE:
DATE:16-08-89
BAROMETRIC PRESSURE:1012
CLOUD:cm
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:5.9
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:10:00
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.41

CHARACTER
LONGITUDE:36.06'
LATITUDE:36.46'
WIND:1
WIND DIRECTION:SW

TSS:3.20
SD/PH:
SW/PH:
FC/0m.:0
FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.66	39.48	25.55	5.75	0.23	0.07		-11	2.79	0.69	
5.	28.63	39.45	25.54	5.84							
10.	28.62	39.45	25.54	6.05							
15.	28.61	39.47	25.56	6.12							
20.	28.58	39.47	25.57	6.15							
25.	28.56	39.47	25.58	6.15							

STATION NUMBER: A-36
TOTAL DEPTH: 70.0 m.
PLACE:
DATE:17-08-89
BAROMETRIC PRESSURE:1012
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:22:10
AIR TEMPERATURE:
WAVE STATE:3
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:35.57'
LATITUDE:36.33'
WIND:4
WIND DIRECTION:SE

TSS:0.40
SD/PH:
SW/PH: 1.24
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.34	39.46	25.64	6.03	0.20	0.12		-11	2.21	0.56	
5.	28.35	39.46	25.64	6.04							
10.	28.32	39.47	25.65	6.14	0.18	0.10			1.98	0.63	
15.	28.16	39.49	25.72	6.16							
20.	28.11	39.48	25.74	6.14							
25.	28.08	39.49	25.75	6.16	0.17	0.12			2.03	0.63	
30.	28.03	39.49	25.77	6.15							
40.	27.94	39.51	25.81	6.16							
50.	27.59	39.52	25.94	6.19	0.12	0.08			1.92	0.62	

STATION NUMBER: A-38
TOTAL DEPTH: 16.0 m.
PLACE:
DATE:16-08-89
BAROMETRIC PRESSURE:1011
CLOUD:cm
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:5.8
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:03:25
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:5

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:
COD:

CHARACTER
LONGITUDE:35.32'
LATITUDE:36.32'
WIND:2
WIND DIRECTION:SW

TSS:2.40
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.15	39.50	25.74	5.79	0.15	0.08		-11	2.96	0.60	
5.	28.15	39.50	25.74	5.88							

STATION NUMBER: A-34
TOTAL DEPTH: 55.0 m.
PLACE:
DATE:16-08-89
BAROMETRIC PRESSURE:1011
CLOUD:cm
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:4.2
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:05:25
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:5

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.21

CHARACTER
LONGITUDE:35.49'
LATITUDE:36.42'
WIND:2
WIND DIRECTION:SW

TSS:0.09
SD/PH:
SW/PH:
FC/0m.:0
FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.22	39.46	25.68	6.18	0.10	0.15		-11	2.56	0.63	
5.	28.23	39.46	25.68	6.21							
10.	28.23	39.46	25.68	6.12							
15.	28.23	39.46	25.68	6.09							
20.	28.23	39.46	25.68	6.11							
25.	28.22	39.46	25.68	6.05							
30.	28.12	39.45	25.71	6.04							
40.	27.43	39.35	25.86	6.03							

SSTATION NUMBER: A-37
TOTAL DEPTH: 85.0 m.
PLACE:
DATE:18-08-89
BAROMETRIC PRESSURE:1012
CLOUD:bk
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:00:15
AIR TEMPERATURE:
WAVE STATE:3
VISIBILITY:6

CHARACTER
LONGITUDE:35.43'
LATITUDE:36.22'
WIND:4
WIND DIRECTION:SE

OS:NO
SD/Hg:
SW/Hg:11.4
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.49
SD/PH:
SW/PH:0.96
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.16	39.56	25.78	6.25	0.09	0.12		-11	1.22	0.63	
10.	28.15	39.56	25.78	6.28	0.15	0.09		-11	1.22	0.63	
25.	27.97	39.55	25.84	6.34	0.19	0.08		-11	1.28	0.63	
50.	26.86	39.43	26.11	6.56	0.11	0.05		-11	1.16	0.60	
75.	19.74	39.19	28.03	8.09	0.21	0.11		-11	1.40	0.62	

STATION NUMBER: A-33
TOTAL DEPTH: 385.0 m.
PLACE:
DATE:23-08-89
BAROMETRIC PRESSURE:1011
CLOUD:bc
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:19:52
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:6

CHARACTER
LONGITUDE:32. 0'
LATITUDE:36.30'
WIND:3
WIND DIRECTION:NW

OS:NO
SD/Hg:
SW/Hg:6.3
SM/Hg:
BOD-5:

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.09

TSS:0.60
SD/PH:
SW/PH:1.67
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	29.22	39.57	25.43	6.24	0.17	0.12		-11	1.28	0.58	
25.	27.78	39.49	25.85	6.46	0.20	0.12		-11	1.28	0.60	0.04
50.	24.31	39.28	26.79	7.20	0.20	0.11		-11	1.22	0.55	0.09
75.	17.82	39.07	28.44	8.44	0.19	0.08		-11	1.05	0.52	0.16
100.	16.74	39.07	28.71	8.27	0.18	0.07		0.12	1.10	0.50	0.03
150.	16.11	39.06	28.85	8.04	0.20	0.08		0.21	1.22	0.42	
250.	15.32	39.01	29.01	7.63	0.18	0.14		1.53	2.33	0.39	
400.	14.19	38.80	29.10	6.45	0.17	0.27		4.48	6.63	0.29	

STATION NUMBER: B-2
TOTAL DEPTH: 79.0 m.
PLACE:
DATE:23-08-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:05:40
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE:33.47'
LATITUDE:36.09'
WIND:
WIND DIRECTION:

OS:NO
SD/Hg:
SW/Hg:5.9
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:
COD:

TSS:1.09
SD/PH:
SW/PH:0.32
FC/0m.:0
FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.15	39.50	25.73	6.19	0.50	0.10		-11	1.28	0.62	
10.	28.15	39.50	25.73	6.28	0.15	0.10		0.16	1.69	0.60	
25.	27.62	39.46	25.88	6.41	0.15	0.08		-11	1.39	0.62	
50.	26.64	39.39	26.15	6.53	0.20	0.08		-11	1.22	0.63	
70.	21.75	39.25	27.53	7.41	0.26	0.08		0.18	1.45	0.61	

STATION NUMBER: A-29
TOTAL DEPTH: 500.0 m.
PLACE:
DATE:24-08-89
BAROMETRIC PRESSURE:1010
CLOUD:bc
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:18:30
AIR TEMPERATURE:
WAVE STATE:3
VISIBILITY:6

CHARACTER
LONGITUDE:28.57'
LATITUDE:36.33'
WIND:4
WIND DIRECTION:NW

OS:NO
SD/Hg:
SW/Hg:9.2
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:

TSS:0.10
SD/PH:
SW/PH:0.11
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	27.18	39.39	25.98	6.38	0.12	0.08		-11	1.39	0.63	
25.	25.04	39.30	26.59	7.22	0.11	0.07		-11	1.16	0.65	
50.	21.22	39.16	27.61	8.00	0.08	0.04		-11	1.28	0.57	
75.	17.97	39.10	28.43	8.56	0.15	0.04		-11	1.22	0.52	
100.	16.73	39.08	28.72	8.32	0.14	0.08			1.16	0.43	
150.	15.92	39.06	28.90	7.96	0.12	0.08		0.53	1.45	0.45	
250.	15.37	39.01	29.00	7.79	0.20	0.12		1.52	2.00	0.38	
400.	15.11	38.97	29.02	7.61	0.12	0.22		3.90	5.41	0.26	

STATION NUMBER: A-30
TOTAL DEPTH: 1000.0 m.
PLACE:
DATE:24-08-89
BAROMETRIC PRESSURE:1011
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:9.5
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:06:00
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:5

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:
COD:-11

CHARACTER
LONGITUDE:30.40'
LATITUDE:36.17'
WIND:2
WIND DIRECTION:E

TSS:0.02
SD/PH:
SW/PH:0.07
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.36	39.51	25.67		0.11	0.11		-11	1.28	0.53	
25.	26.64	39.45	26.20	6.51	0.18	0.08		-11	1.05	0.57	
50.	21.44	39.17	27.55	7.81	0.13	0.06		-11	1.16	0.56	
75.	18.10	39.10	28.40	8.38	0.12	0.06		-11	1.10	0.57	
100.	16.89	39.07	28.67	8.26	0.15	0.08		-11	1.05	0.50	
150.	16.13	39.08	28.87	7.96	0.09	0.05		-11	1.22	0.46	
250.	15.58	39.05	28.97	7.88	0.15	0.08		0.58	1.51	0.45	
500.	14.02	38.76	29.11	6.26	0.10	0.22		4.22	6.05	0.26	

STATION NUMBER: A-23
TOTAL DEPTH: 175.0 m.
PLACE:
DATE:24-08-89
BAROMETRIC PRESSURE:1011
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:4.8
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:22:25
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:28.20'
LATITUDE:36.45'
WIND:2
WIND DIRECTION:NW

TSS:0.42
SD/PH:
SW/PH:0.36
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	27.73	39.48	25.86		0.05	0.07		-11	1.16	0.56	
25.	27.30	39.46	25.99	5.74	0.10	0.08		-11	1.10	0.54	
50.	22.00	39.22	27.43	6.93	0.06	0.07		-11	1.05	0.52	
75.	18.23	39.08	28.35	8.09	0.08	0.10		-11	1.22	0.53	
100.	17.08	39.07	28.63	7.90	0.11	0.09		-11	1.10	0.56	
150.	15.94	39.05	28.89	7.58	0.11	0.08		0.07	1.34	0.52	

TOTAL DEPTH: 550.0 m.
PLACE:
DATE:18-08-89
BAROMETRIC PRESSURE:1012
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:4.6
SM/Hg:
BOD-5:

STATION TYPE:

TIME:03:15
AIR TEMPERATURE:
WAVE STATE:3
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31.00'
LATITUDE:36.00'
WIND:4
WIND DIRECTION:SE

TSS:0.38
SD/PH:
SW/PH:0.76
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.05	39.54	25.80	6.63	0.23	0.06		-11	1.16	0.61	
25.	27.98	39.54	25.82	6.42	0.14	0.15		-11	1.16	0.63	
50.	26.70	39.41	26.14	6.74	0.25	0.09		-11	1.16	0.61	
75.	24.87	39.30	26.64	7.08	0.25	0.12		0.05	1.05	0.58	
100.	18.45	39.07	28.28	8.53	0.16	0.10		-11	1.05	0.55	
150.	16.59	39.06	28.74	8.11	0.16	0.09		-11	0.99	0.48	
200.	16.27	39.05	28.81	7.95	0.12	0.08		-11	1.05	0.58	
250.	15.95	39.03	28.88	7.79	0.12	0.08		0.51	1.22	0.43	
300.	15.31	38.98	28.99	7.53	0.16	0.15		1.41	2.15	0.40	
400.	13.93	38.74	29.11	6.25	0.22	0.32		5.10	8.37	0.30	
500.	13.57	38.66	29.13	6.21	0.24	0.34		4.91	10.58	0.24	

STATION NUMBER: 53
TOTAL DEPTH: 1000.0 m.
PLACE:
DATE:24-08-89
BAROMETRIC PRESSURE:1011
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:9.1
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:03:28
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:5

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31. 0'
LATITUDE:36.28'
WIND:2
WIND DIRECTION:E

TSS:0.60
SD/PH:
SW/PH:1.16
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.79	39.46	25.49	6.17	0.18	0.08		-11	1.34	0.57	
25.	26.58	39.39	26.17	6.64	0.17	0.08		-11	1.10	0.53	
50.	22.57	39.20	27.25	7.56	0.05	0.08		-11	1.10	0.58	
75.	18.39	39.09	28.31	8.38	0.19	0.08		-11	0.93	0.50	
100.	16.92	39.09	28.68	8.38	0.20	0.09		-11	0.93	0.51	
150.	16.09	39.07	28.87	8.00	0.25	0.10		0.06	1.05	0.45	
250.	15.65	39.05	28.96	7.89	0.11						

STATION NUMBER: 52
TOTAL DEPTH: 1000.0 m.
PLACE:
DATE:23-08-89
BAROMETRIC PRESSURE:1013
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:5.9
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:08:30
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:33.30'
LATITUDE:35.54'
WIND:2
WIND DIRECTION:E

TSS:0.27
SD/PH:
SW/PH:0.99
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	27.91	39.50	25.82	6.29	0.09	0.05		-11	1.05	0.58	
10.	27.84	39.51	25.84	6.31	0.07	0.06		-11	1.86	0.56	
25.	25.67	39.37	26.44	6.71	0.12	0.06		-11	1.63	0.55	
41.					0.10	0.06		-11	1.63	0.65	
50.	19.72	39.09	27.96	8.47							
62.					0.10	0.08		-11	1.63	0.54	
75.	18.18	39.03	28.32	8.34							
82.					0.23	0.08		-11	1.51	0.49	
100.	17.13	39.04	28.59	8.39							
123.					0.20	0.10		-11	1.28	0.51	
150.	16.17	39.06	28.84	7.87							
205.					0.22	0.08		0.17	1.51	0.48	
250.	15.26	38.99	29.00	7.34							
410.					0.15	0.20		3.13	4.42	0.35	
500.	13.82	38.72	29.12	6.07							

STATION NUMBER: 54
TOTAL DEPTH: 1800.0 m.
PLACE:
DATE:24-08-89
BAROMETRIC PRESSURE:1012
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:5.5
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:09:40
AIR TEMPERATURE:
WAVE STATE:0
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:30.06'
LATITUDE:36.06'
WIND:1
WIND DIRECTION:NW

TSS:0.28
SD/PH:
SW/PH:0.60
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.13	39.48	25.73	6.54	0.10	0.08		-11	1.28	0.61	
24.					0.12	0.08		-11	1.28	0.52	
25.	27.12	39.44	26.03	6.82							
47.					0.24	0.08		-11	1.16	0.51	
50.	23.17	39.24	27.11	7.76							
71.					0.15	0.07		-11	1.05	0.50	
94.					0.19	0.06		-11	1.16	0.46	
100.	17.04	39.09	28.65	8.58							
141.					0.22	0.08		0.27	1.45	0.42	
150.	16.23	39.08	28.84	8.27							
235.					0.21	0.06		1.27	1.69	0.34	
250.	15.58	39.05	28.98	8.05							
470.					0.19	0.26		4.48	6.86	0.25	
500.	14.10	38.79	29.12	6.72							

STATION NUMBER: 56 SEASON:
TOTAL DEPTH: 700.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:24-08-89 TIME:15:30 LONGITUDE:29.09'
BAROMETRIC PRESSURE:1010 AIR TEMPERATURE: LATITUDE:36.15'
CLOUD:bc WAVE STATE:3 WIND:4
SECCHI DISK DEPTH: VISIBILITY:6 WIND DIRECTION:NW

OS:NO TR:-11 TSS:0.56
SD/Hg: SD/Cd: SD/PH:
SW/Hg:3.4 SW/Cd: SW/PH:0.49
SM/Hg: SM/Cd: FC/0m.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	26.70	39.35	26.10	6.47	0.10	0.10		-11	1.45	0.56	
24.					0.10	0.09		-11	1.28	0.54	
25.	26.21	39.34	26.25	6.05							
48.					0.17	0.12		-11	1.22	0.54	
50.	21.47	39.16	27.53	7.25							
72.					0.10	0.07		-11	1.05	0.50	
75.	18.04	39.07	28.39	7.85							
97.					0.10	0.07		0.04	2.17	0.46	
100.	16.64	39.08	28.74	7.81							
145.					0.12	0.06		0.71	1.51	0.49	
150.	15.70	39.05	28.94	7.44							
193.					0.10	0.06		0.98	1.69	0.39	
200.	15.56	39.04	28.97	7.40							
290.					0.14	0.12		1.99	2.79	0.36	
300.	14.98	38.95	29.03	7.24							
386.					0.13	0.22		3.62	4.88	0.29	
400.	14.40	38.84	29.09	6.57							
483.					0.07	0.28		4.54	6.86	0.25	
500.	14.05	38.78	29.12	6.40							

SSTATION NUMBER: K-19 SEASON:
TOTAL DEPTH: 39.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:24-08-89 TIME:00:15 LONGITUDE:31.29'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.43'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:0.30
SD/Hg: SD/Cd: SD/PH:
SW/Hg: SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:
BOD-5: COD:0.21 FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	29.07	39.12	25.14	6.13	0.19	0.07		-11	2.21	0.56	
30.	26.27	39.37	26.25	6.75							

STATION NUMBER: K-24 SEASON:
TOTAL DEPTH: 40.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:16-08-89 TIME:07:47 LONGITUDE:35.56'
BAROMETRIC PRESSURE: AIR TEMPERATURE: LATITUDE:36.52'
CLOUD: WAVE STATE: WIND:
SECCHI DISK DEPTH: VISIBILITY: WIND DIRECTION:

OS: TR: TSS:5.65
SD/Hg: SD/Cd: SD/PH:
SW/Hg:3.6 SW/Cd: SW/PH:82.00
SM/Hg: SM/Cd: FC/0m.:
BOD-5: COD:3.22 FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.36	39.50	25.66	5.62	0.10	0.08		0.09	6.92	0.87	
5.	28.36	39.50	25.66	5.63							
10.	28.36	39.50	25.67	5.61							
15.	28.36	39.50	25.67	5.61							

STATION NUMBER: K-22
TOTAL DEPTH: 15.0 m.
PLACE:
DATE:15-08-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:23:20
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

CHARACTER
LONGITUDE: 0. 0'
LATITUDE: 0. 0'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.28

TSS:1.76
SD/PH:
SW/PH:1.06
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.27	39.54	25.73	5.91	0.15	0.10		-11	1.86	0.57	
5.	28.26	39.54	25.73	5.91							
10.	28.27	39.54	25.73	5.88							

STATION NUMBER: K-23
TOTAL DEPTH: 30.0 m.
PLACE:
DATE:16-08-89
BAROMETRIC PRESSURE:
CLOUD:
SECCHI DISK DEPTH:

SEASON:
STATION TYPE:

TIME:07:05
AIR TEMPERATURE:
WAVE STATE:
VISIBILITY:

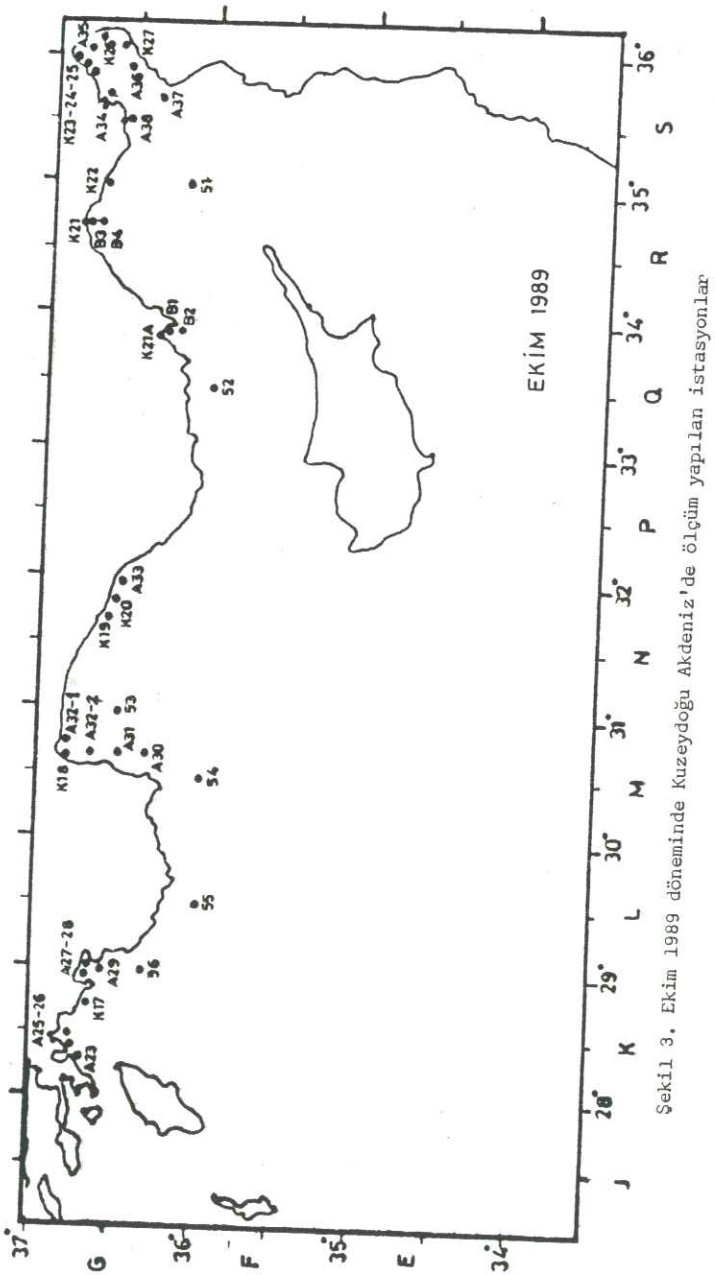
CHARACTER
LONGITUDE:33.54'
LATITUDE:36.16'
WIND:
WIND DIRECTION:

OS:
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

TR:
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.24

TSS:4.42
SD/PH:
SW/PH:19.51
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	28.22	39.46	25.68	5.66	0.28	0.08		-11	3.20	0.60	
5.	28.23	39.46	25.68	5.65							
10.	28.22	39.46	25.68	5.70							
15.	28.22	39.46	25.68	5.68							
20.	28.23	39.46	25.68	5.68							
25.	28.22	39.46	25.69	5.67							



Şekil 3. Ekim 1989 döneminde Kuzeydoğu Akdeniz'de ölçüm yapılan istasyonlar

PLACE:
DATE:29-10-89 TIME:04:25 CHARACTER LONGITUDE:34.38'
BAROMETRIC PRESSURE:1021 AIR TEMPERATURE: LATITUDE:36.35'
CLOUD:c WAVE STATE:3 WIND:3
SECCHI DISK DEPTH: VISIBILITY:5 WIND DIRECTION:N

OS: TR: TSS:2.48
SD/Hg: SD/Cd: SD/PH:
SW/Hg:6.5 SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/Om.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.09	38.30	26.11	5.76	0.09	0.15		0.12	1.38	0.67	
10.	24.09	39.46	27.00	6.15	0.09	0.17		0.11	1.32	0.72	
20.	24.11	39.56	27.07	7.23	0.12	0.20		0.11	1.55	0.66	
30.	24.11	39.57	27.07	7.26	0.08	0.13		0.10	1.32	0.69	
40.	24.10	39.57	27.08	7.35	0.09	0.20		0.11	1.38	0.68	

STATION NUMBER: B-3 SEASON:
TOTAL DEPTH: 17.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:29-10-89 TIME:05:25 LONGITUDE:34.38'
BAROMETRIC PRESSURE:1020.5 AIR TEMPERATURE: LATITUDE:36.44'
CLOUD:c WAVE STATE:2 WIND:2
SECCHI DISK DEPTH: VISIBILITY:5 WIND DIRECTION:N

OS: TR: TSS:1.12
SD/Hg: SD/Cd: SD/PH:
SW/Hg:2.96 SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/Om.:
BOD-5: COD:0.59 FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.31	39.18	27.02	6.22		0.22		0.10	1.40	0.80	
10.	23.30	39.19	27.03	6.75	0.32	0.14		0.09	1.72	0.80	

PLACE: CHARACTER
DATE:25-10-89 TIME:01:30 LONGITUDE:28.20'
BAROMETRIC PRESSURE:1022 AIR TEMPERATURE: LATITUDE:36.45'
CLOUD:b WAVE STATE:1 WIND:1
SECCHI DISK DEPTH: VISIBILITY:5 WIND DIRECTION:NW

OS:NO TR:-11 TSS: 0.43
SD/Hg: SD/Cd: SD/PH:
SW/Hg:4.8 SW/Cd: SW/PH:0.83
SM/Hg: SM/Cd: FC/Om.:
BOD-5: FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	22.82	39.31	27.26	5.67	0.79	0.15		0.09	1.72	0.68	0.26
25.	22.83	39.42	27.35	7.08	0.63	-11		1.41	1.41	0.63	
50.	22.81	39.42	27.35	7.07	0.23	0.13		0.21	1.21	0.67	
75.	20.82	39.18	27.74	7.87	0.30	-11		0.27	1.55	0.60	
100.	17.46	39.06	28.52	8.25	0.13	0.18		0.13	1.21	0.56	
150.	16.15	39.04	28.83	7.75	0.29	0.16		0.57	1.61	0.50	

ESTATION NUMBER: A-25 SEASON:
TOTAL DEPTH: 100.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:25-10-89 TIME:03:00 LONGITUDE:28.27'
BAROMETRIC PRESSURE:1022 AIR TEMPERATURE: LATITUDE:36.46'
CLOUD:b WAVE STATE:1 WIND:1
SECCHI DISK DEPTH: VISIBILITY:5 WIND DIRECTION:NW

OS:NO TR:-11 TSS:0.69
SD/Hg: SD/Cd: SD/PH:
SW/Hg:4.7 SW/Cd: SW/PH:0.66
SM/Hg: SM/Cd: FC/Om.:0
BOD-5: COD:0.22 FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	22.50	39.41	27.43	5.71	0.63	0.15		0.11	1.26	0.66	
25.	22.41	39.40	27.45	6.94	0.59	0.21		0.16	1.21	0.64	
50.	21.99	39.35	27.54	7.08	0.63	0.22		0.14	1.49	0.66	
75.	21.20	39.24	27.68	7.24	0.08	0.18		0.14	1.49	0.65	

TOTAL DEPTH: 200.0 m.
PLACE:
DATE:25-10-89
BAROMETRIC PRESSURE:1022
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:11.4
SM/Hg:
BOD-5:

TIME:04:30
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:5

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:28.33'
LATITUDE:36.46'
WIND:1
WIND DIRECTION:NW

TSS:0.94
SD/PH:
SW/PH:0.83
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	22.50	39.40	27.42	6.24	0.05	0.08		0.12	1.21	0.68	
25.	22.50	39.41	27.43	6.98	0.06	0.13		0.24	1.21	0.64	
50.	22.04	39.37	27.54	7.10	0.08	-11		0.39	1.26	0.62	
75.	19.65	39.14	28.02	7.77	0.12	-11		0.29	1.72	0.60	
100.	17.30	39.05	28.56	8.18	0.06	-11		0.26	1.26	0.55	
150.	16.05	39.04	28.85	7.61	0.04	0.12		0.57	1.55	0.50	

STATION NUMBER: A-27
TOTAL DEPTH: 113.0 m.
PLACE:
DATE:25-10-89
BAROMETRIC PRESSURE:1022
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:10.1
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:08:00
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:5

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:28.58'
LATITUDE:36.42'
WIND:1
WIND DIRECTION:NW

TSS:0.52
SD/PH:
SW/PH:2.95
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	22.32	39.35	27.44	6.31	0.12	-11		0.24	1.72	0.65	
25.	22.32	39.35	27.44	7.26	0.17	-11		0.18	1.67	0.61	
50.	22.12	39.35	27.50	7.30	0.07	-11		0.15	1.67	0.62	
75.	19.25	39.13	28.12	7.85	0.23	-11		0.33	1.09	0.60	
100.	17.26	39.05	28.56	8.05	0.74	-11		0.70	1.32	0.54	

PLACE:
DATE:22-10-89
BAROMETRIC PRESSURE:1023
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg: 7.2
SM/Hg:
BOD-5:

TIME:12:30
AIR TEMPERATURE:
WAVE STATE:0
VISIBILITY:6

TR:
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.36

CHARACTER
LONGITUDE:29.04'
LATITUDE:36.39'
WIND:1
WIND DIRECTION:E

TSS: 0.76
SD/PH:
SW/PH:2.19
FC/0m.:6
FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	22.32	39.32	27.42	6.52	0.08	-11		0.21	2.18	0.64	
10.	22.32	39.34	27.43	7.30	0.18	-11		0.15	2.07	0.64	
25.	22.32	39.34	27.43	7.28	0.19	0.16		0.14	2.07	0.63	
50.	22.10	39.34	27.49	7.39	0.25	0.19		0.18	1.84	0.62	

STATION NUMBER: A-29
TOTAL DEPTH: 360.0 m.
PLACE:
DATE:25-10-89
BAROMETRIC PRESSURE:1023
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:6.4
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:09:50
AIR TEMPERATURE:
WAVE STATE:0
VISIBILITY:6

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:28.59'
LATITUDE:36.34'
WIND:1
WIND DIRECTION:E

TSS:0.46
SD/PH:
SW/PH:1.53
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	22.73	39.43	27.38	8.48	0.18	-11		0.12	1.17	0.66	
25.	22.49	39.39	27.42	7.47	0.04	-11		0.12	1.26	0.64	
50.	22.33	39.37	27.45	7.44	0.04	-11		0.08	1.21	0.62	
75.	19.01	39.10	28.16	8.37	0.13	0.15		0.11	1.26	0.59	
100.	17.35	39.03	28.53	8.55	0.21	-11		0.21	1.17	0.54	
150.	16.00	39.03	28.86	7.86	0.16	0.12		0.54	1.44	0.49	
200.	15.58	39.03	28.96	7.56	0.14	0.15		1.13	1.90	0.45	
250.	15.34	39.00	28.99	7.47	0.07	0.14		1.49	2.41	0.44	

PLACE:
DATE:26-10-89
BAROMETRIC PRESSURE:1020.5
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:8.1
SM/Hg:
BOD-5:

TIME:04:00
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:6

TR:
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.36

CHARACTER
LONGITUDE:30.35'
LATITUDE:36.20'
WIND:2
WIND DIRECTION:NE

TSS:0.37
SD/PH:
SW/PH:1.46
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.54	39.49	27.19	6.57	0.19	0.12		0.15	1.32	0.68	
21.					0.09	0.13		0.09	1.32	0.66	
25.	23.56	39.49	27.18	6.59							
41.					0.17	0.13		0.10	1.32	0.71	
50.	23.56	39.49	27.18	6.60							
62.					0.14	-11		0.10	1.32	0.65	
75.	18.73	39.06	28.20	8.29							
82.					0.15	-11		0.08	1.03	0.76	
100.	17.42	39.05	28.53	8.04							
123.					0.10	-11		0.21	1.15	0.62	
150.	16.06	39.04	28.85	7.53							
205.					0.18	0.13		1.21	1.72	0.58	
250.	15.37	39.01	28.99	7.36							
287.					0.16			1.90	2.93	0.54	
350.	14.94	38.93	29.03	6.98							

PLACE:
DATE:26-10-89
BAROMETRIC PRESSURE:1022
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:12.2
SM/Hg:
BOD-5:

TIME:12:10
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.40

CHARACTER
LONGITUDE:30.40'
LATITUDE:36.40'
WIND:3
WIND DIRECTION:S

TSS:1.50
SD/PH:
SW/PH:1.18
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.86	39.55	27.13	6.96	0.04	-11		0.12	1.26	0.59	
25.	23.82	39.55	27.15	6.95	0.12	-11		0.09	1.21	0.49	
50.	23.66	39.52	27.17	6.94	0.15	-11		0.11	1.32	0.46	
75.	22.58	39.41	27.41	7.30	0.08	0.12		0.13	1.15	0.50	
100.	18.52	39.05	28.25	8.59	0.15	0.13		0.11	1.09	0.53	
150.	16.42	39.05	28.78	8.03	0.14	-11		0.32	1.15	0.62	
250.	15.24	38.99	29.00	7.42	0.07	0.13		1.22	2.70	0.52	
500.	13.79	38.71	29.12	5.99	0.10	0.27		3.87	9.25	0.48	

STATION NUMBER: A-32/1
TOTAL DEPTH: 68.0 m.
PLACE:
DATE:26-10-89
BAROMETRIC PRESSURE:1020
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:12.7
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:14:55
AIR TEMPERATURE:
WAVE STATE:3
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:
COD:0.40

CHARACTER
LONGITUDE:30.45'
LATITUDE:36.50'
WIND:3
WIND DIRECTION:S

TSS:1.10
SD/PH:
SW/PH:1.70
FC/0m.:0
FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.68	39.52	27.17	7.37	0.17	-11		0.20	1.21	0.65	0.18
10.	23.65	39.53	27.19	7.27	0.14	0.27		0.12	1.26	0.67	0.15
25.	23.56	39.52	27.20	7.15	0.24	-11		0.14	1.38	0.66	0.35
50.	23.55	39.52	27.21	7.13	0.23	0.13		0.34	1.44	0.74	0.35

BAROMETRIC PRESSURE:1020 AIR TEMPERATURE: LATITUDE:36.30'
CLOUD:bc WAVE STATE:1 WIND:2
SECCHI DISK DEPTH: VISIBILITY:6 WIND DIRECTION:N

OS:NO TR:-11 TSS:0.88
SD/Hg: SD/Cd: SD/PH:
SW/Hg:7.3 SW/Cd: SW/PH:1.07
SM/Hg: SM/Cd: FC/0m.:0
BOD-5: COD:0.15 FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.11	39.55	27.06	6.91	0.06	-11		0.14	1.32	0.63	
25.	24.14	39.55	27.05	6.90	0.27	0.15		0.11	1.29	0.63	
50.	24.07	39.56	27.08	6.94	0.15	0.13		0.12	1.29	0.63	
75.	24.04	39.56	27.09	6.88	0.15	0.21		0.13	1.26	0.65	
100.	18.14	39.03	28.34	8.66	0.10	0.12		0.12	1.03	0.62	
150.	16.68	39.05	28.71	8.14	0.12	-11		0.19	1.15	0.53	
250.	15.62	39.04	28.96	7.60	0.08	-11		2.25	1.80	0.48	

STATION NUMBER: A-31 SEASON:
TOTAL DEPTH: 850.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:26-10-89 TIME:06:30 LONGITUDE:30.40'
BAROMETRIC PRESSURE:1020.5 AIR TEMPERATURE: LATITUDE:36.30'
CLOUD:b WAVE STATE:3 WIND:4
SECCHI DISK DEPTH: VISIBILITY:6 WIND DIRECTION:NNE

OS:NO TR:-11 TSS:2.70

SD/Hg: SD/Cd: SD/PH:
SW/Hg:4.5 SW/Cd: SW/PH:1.21
SM/Hg: SM/Cd: FC/0m.:0
BOD-5: COD:0.55 FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.68	39.55	27.19	6.45	0.14	-11		0.08	1.21	0.67	
24.					0.16	-11		0.15	1.21	0.59	
25.	23.69	39.54	27.18	6.90							
47.					0.10	0.12		0.10	1.15	0.68	
50.	22.95	39.48	27.35	7.03							
71.					0.20	0.18		0.12	1.09	0.69	
75.	19.00	39.03	28.11	8.27							
94.					0.18	0.16		0.10	1.09	0.59	
100.	17.41	39.06	28.54	8.31							
188.					0.15	-11		0.40	1.21	0.53	
200.	15.77	39.04	28.92	7.57							
400.	14.10	38.78	29.10	6.37							
423.					0.24	0.30		4.33	5.29	0.41	

STATION NUMBER: A-34 SEASON:
TOTAL DEPTH: 68.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:28-10-89 TIME:18:52 LONGITUDE:35.49'
BAROMETRIC PRESSURE:1020 AIR TEMPERATURE: LATITUDE:36.42'
CLOUD:c WAVE STATE:2 WIND:3
SECCHI DISK DEPTH: VISIBILITY:6 WIND DIRECTION:WSW

OS:NO TR:-11 TSS:1.76
SD/Hg: SD/Cd: SD/PH:
SW/Hg:11.7 SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:0
BOD-5: FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.53	39.53	26.92	6.64	0.10	0.13		0.08	3.28	0.63	
10.	24.54	39.55	26.93	7.04	0.30	0.17		0.43	3.28	0.56	
20.	24.53	39.55	26.93	6.92	0.20	0.22		0.15	3.28	0.48	
30.	24.41	39.55	26.97	6.94		0.26		0.11	3.33	0.48	
40.	24.25	39.57	27.03	6.85	0.18	0.20		0.99	3.33	0.57	
50.	24.00	39.59	27.13	6.76	0.15	0.25		1.15	3.93	0.51	

STATION NUMBER: A-35 SEASON:
TOTAL DEPTH: 50.0 m. STATION TYPE:
PLACE: CHARACTER
DATE:28-10-89 TIME:15:00 LONGITUDE:36.06'
BAROMETRIC PRESSURE:1020 AIR TEMPERATURE: LATITUDE:36.46'
CLOUD:bc WAVE STATE:1 WIND:1
SECCHI DISK DEPTH: VISIBILITY:7 WIND DIRECTION:NE

OS:NO TR:-11 TSS:7.47
SD/Hg: SD/Cd: SD/PH:
SW/Hg:10.3 SW/Cd: SW/PH:
SM/Hg: SM/Cd: FC/0m.:0
BOD-5: FC/2m.:0

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.97	39.56	26.80	7.15	0.20	-11		0.11	2.13	0.62	
10.	24.73	39.55	26.87	6.98	0.21	-11		0.08	2.07	0.64	
20.	24.71	39.54	26.87	6.93	0.20	-11		0.08	2.07	0.63	
30.	24.68	39.54	26.88	6.90	0.17	-11		0.10	2.13	0.63	
40.	24.64	39.54	26.89	6.87	0.16	-11		0.09	2.07	0.61	

DATE:28-10-89
BAROMETRIC PRESSURE:1021.5
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:0.8
SM/Hg:
BOD-5:

TIME:12:00
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:7

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

LONGITUDE:35.57°
LATITUDE:36.33°
WIND:1
WIND DIRECTION:NE

TSS:2.60
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.68	39.50	26.85	6.19	0.11	0.17		0.14	2.82	0.59	
10.	24.51	39.53	26.92	6.78	0.10	0.19		0.09	2.07	0.61	
20.	24.47	39.52	26.93	6.89		0.19		0.08	1.84	0.59	
30.	24.49	39.53	26.93	6.80	0.32	-11		0.12	1.84	0.59	
50.	24.48	39.53	26.94	6.72	0.32	0.20		0.11	1.95	0.62	

STATION NUMBER: A-37
TOTAL DEPTH: 82.0 m.
PLACE:
DATE:28-10-89
BAROMETRIC PRESSURE:1022
CLOUD:bc
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:8.0
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:10:00
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:7

TR:
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:35.43°
LATITUDE:36.22°
WIND:1
WIND DIRECTION:NE

TSS:2.13
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.33	39.53	26.98	6.77	0.20	-11		0.23	1.95	0.60	
25.	24.26	39.53	27.00	6.92	0.09	-11		0.11	2.18	0.60	
50.	23.81	39.51	27.12	6.96	0.10	-11		0.13	1.26	0.59	
75.	23.72	39.50	27.15	6.98	0.05	0.12		0.29	1.09	0.60	

DATE:28-10-89
BAROMETRIC PRESSURE:1021
CLOUD:c/r
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:5.3
SM/Hg:
BOD-5:

TIME:21:20
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

LONGITUDE:35.32°
LATITUDE:36.32°
WIND:3
WIND DIRECTION:SW

TSS:2.18
SD/PH:
SW/PH:1.19
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.40	39.54	26.96	6.67	0.12	0.13		0.10	2.41	0.59	
10.	24.33	39.53	26.98	6.96	0.07	0.19		0.10	2.24	0.61	
20.	24.31	39.53	26.98	6.81	0.09	0.19		0.11	2.41	0.67	
30.	24.29	39.52	26.99	6.82	0.18	-11		0.10	2.47	0.65	
40.	24.28	39.52	26.99	6.79	0.20	0.22		0.11	1.38	0.68	
50.	24.27	39.53	26.99	6.83	0.13	0.19		0.19	2.41	0.63	

STATION NUMBER: 54
TOTAL DEPTH: 2300.0 m.
PLACE:
DATE:26-10-89
BAROMETRIC PRESSURE:1022
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:00:25
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:30.30°
LATITUDE:36.00°
WIND:0
WIND DIRECTION:0

TSS:0.55
SD/PH:
SW/PH:1.80
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.36	39.51	27.25	5.94	0.10	-11		0.10	1.15	0.62	
25.	22.05	39.42	27.57	7.44	0.15	0.14		0.10	1.03	0.62	
50.	18.26	39.04	28.31	8.71	0.17	-11		0.15	1.15	0.59	
75.	16.53	38.97	28.68	8.41	0.24	-11		0.09	1.21	0.58	
100.	16.14	39.04	28.83	7.88	0.12	-11		0.12	1.15	0.65	
150.	15.73	39.04	28.93	7.50	0.19				1.32	0.54	
250.	15.29	39.00	29.00	7.42	0.18	-11		1.41	1.78	0.51	
500.	13.99	38.76	29.12	6.35	0.21	0.12		4.67	5.80	0.41	
750.	13.70	38.68	29.13	6.03	0.27	0.31		5.39	8.41	0.40	
1000.	13.62	38.65	29.13	5.96	0.21	0.31		5.27	9.89	0.35	

STATION NUMBER: 51
TOTAL DEPTH: 1000.0 m.
PLACE:
DATE:28-10-89
BAROMETRIC PRESSURE:1021.5
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:05:20
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:35.00'
LATITUDE:36.08'
WIND:1
WIND DIRECTION:SE

TSS:0.95
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	22.72	39.44	27.39	7.47	0.28	0.14		0.13	1.03	0.61	0.13
5.	22.73	39.44	27.39	7.58							
10.	22.72	39.44	27.39	7.46							0.11
15.	22.73	39.44	27.39	7.37							
20.	22.72	39.44	27.39	7.40							
25.	22.66	39.44	27.41	7.33	0.11	-11		0.46	0.98	0.60	0.12
30.	22.58	39.42	27.42	7.43							
40.	19.84	38.95	27.83	8.16							
50.	18.99	38.96	28.06	8.95	0.20	0.13		0.14	1.03	0.54	0.20
60.	18.08	39.01	28.33	8.79							
70.	17.41	39.03	28.51	8.73							
75.	17.11	39.04	28.60	8.49	0.11	0.17		0.20	1.15	0.50	
80.	16.89	39.04	28.65	8.33							0.31
90.	16.57	39.03	28.72	8.18							
100.	16.36	39.03	28.77	7.91	0.15	-11		0.26	1.67	0.45	
125.	16.04	39.02	28.84	7.76							
150.	15.72	39.01	28.91	7.70	0.15	-11		0.09	5.63	0.34	
200.	15.03	38.95	29.02	7.18							
250.	14.34	38.82	29.08	6.38	0.19	0.16		3.99	9.54	0.29	
300.	14.13	38.78	29.09	6.33							
400.	13.81	38.71	29.11	6.02							
500.	13.71	38.69	29.12	6.10	0.16	0.25		4.43	10.52	0.32	
600.	13.66	38.67	29.12	5.97							
700.	13.62	38.66	29.13	5.94							
750.	13.60	38.66	29.13	5.95	0.20	0.23		4.87	10.98	0.29	
800.	13.59	38.65	29.13	5.96							
900.	13.58	38.65	29.13	5.88	0.13	0.22		4.47		0.22	

STATION NUMBER: 52
TOTAL DEPTH: 435.0 m.
PLACE:
DATE:27-10-89
BAROMETRIC PRESSURE:1019
CLOUD:c
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:6.3
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:10:05
AIR TEMPERATURE:
WAVE STATE:3
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:33.30'
LATITUDE:36. 0'
WIND:4
WIND DIRECTION:E

TSS:1.20
SD/PH:
SW/PH:1.06
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	24.13	39.51	27.02	6.57	0.20	0.15		0.12	1.32	0.63	0.49
20.	24.14	39.51	27.02	6.62							
21.					0.10	-11		0.12	1.15	0.64	
40.	24.14	39.51	27.02	6.63							
41.					0.04	-11		0.11	1.32	0.64	
62.					0.06	-11		0.11	1.32	0.63	
75.	23.38	39.43	27.19	6.79							
82.					0.06	0.20		0.17	1.72	0.59	
100.	17.90	39.05	28.41	8.27							
123.					0.06	0.17		0.12	1.06	0.54	
150.	16.16	39.05	28.83	7.58							
164.					0.10	0.17		0.87	1.26	0.47	
200.	15.68	39.04	28.94	7.48							
246.					0.06	-11		1.25	2.41	0.44	
300.	14.60	38.88	29.07	6.78							

STATION NUMBER: 53
TOTAL DEPTH: 1000.0 m.
PLACE:
DATE:26-10-89
BAROMETRIC PRESSURE:1022
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:3.3
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:09:00
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:31.00'
LATITUDE:36.30'
WIND:2
WIND DIRECTION:S

TSS:2.13
SD/PH:
SW/PH:1.27
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	20.63	39.32	27.89	6.71	0.10	-11		0.08	1.09	0.61	0.11
5.	20.63	39.31	27.89	7.22							
10.	20.63	39.30	27.88	6.40	0.08	0.16		0.15	1.09	0.64	
15.	20.63	39.30	27.88	7.69							
20.	20.62	39.30	27.88	7.71							
25.	20.00	39.46	28.17	7.77	0.04	-11		0.79	1.06	0.61	
30.	18.16	39.06	28.35	8.38							
40.	17.54	39.06	28.51	8.70							
50.	17.16	39.06	28.60	8.60	0.10	0.14		0.12	1.11	0.55	
60.	16.78	39.06	28.69	8.39							
70.	16.59	39.06	28.74	8.23							
75.	16.43	39.05	28.77	8.15	0.08	0.16		0.17	1.18	0.52	
80.	16.33	39.05	28.79	8.08							0.35
90.	16.07	39.02	28.84	7.94							
100.	16.02	39.04	28.86	7.81					1.40	0.47	
110.					0.15						0.12
120.											0.08
125.	15.82	39.05	28.91	7.68	0.14	0.17		0.95	1.61	0.47	
150.	15.68	39.04	28.94	7.65	0.10	0.16		1.25	1.72	0.46	0.06
200.	15.44	39.02	28.98	7.57	0.14	-11		1.19	2.18	0.45	
217.					0.13	-11		2.10	3.39	0.42	
250.	15.04	38.95	29.02	7.21							
260.					0.10	0.27		3.91	4.48	0.38	
300.	14.61	38.87	29.06	6.79							
346.					0.12	0.35		5.28	7.07	0.34	
400.	14.09	38.77	29.10	6.32							
433.					0.16	0.37		5.74	8.56	0.34	
500.	13.86	38.73	29.12	6.05							
520.					0.15	0.38		5.73	9.43	0.31	
600.	13.72	38.69	29.12	6.10							
606.					0.13	0.38		5.63	10.23	0.33	
693.					0.18	0.37		5.51	10.57	0.30	
700.	13.63	38.67	29.13	6.09							
780.					0.20			5.40	10.92	0.30	
800.	13.59	38.65	29.13	5.89							
866.					0.15	0.24		5.70	10.98	0.31	
900.	13.57	38.64	29.13	5.90							
1000.	13.55	38.64	29.13	5.87							

STATION NUMBER: 55
TOTAL DEPTH: 1500.0 m.
PLACE:
DATE:25-10-89
BAROMETRIC PRESSURE:1021
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:3.9
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:17:20
AIR TEMPERATURE:
WAVE STATE:2
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:29.30'
LATITUDE:36.03'
WIND:1
WIND DIRECTION:S

TSS:0.65
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.36	39.51	27.26	6.98	0.10	-11		0.09	1.21	0.68	
20.	23.22	39.51	27.30	6.96							
25.	23.06	39.49	27.33	7.10	0.10	0.16		0.11	1.26	0.66	
30.	22.78	39.50	27.42	7.15							
40.	22.25	39.45	27.54	7.18							
50.	21.50	39.32	27.65	7.54	0.10	0.16		0.12	1.26	0.64	
60.	19.65	39.08	27.97	8.00							
70.	17.47	38.96	28.45	8.90							
75.	16.95	38.95	28.57	8.92	0.03	0.17		0.11	1.09	0.63	
80.	16.81	38.98	28.63	8.66							
90.	16.54	39.05	28.74	8.18							
100.	16.19	39.00	28.79	8.03	0.21	0.16		0.11	1.21	0.62	
125.	15.68	38.97	28.89	7.83							
150.	15.52	38.99	28.94	7.46	0.09	0.16		0.11	1.38	0.53	
200.	15.34	39.00	28.99	7.50							
250.	14.94	38.93	29.03	7.15	0.07	0.16		1.67	1.95	0.49	
300.	14.57	38.88	29.07	6.93							
400.	14.18	38.81	29.11	6.73							
500.	14.05	38.78	29.12	6.53	0.17	-11		1.96	1.15	0.57	
600.	13.91	38.74	29.12	6.30							
700.	13.80	38.71	29.13	6.16							
750.	13.75	38.70	29.13	6.10	0.19	0.13		2.25	2.53	0.50	
800.	13.70	38.68	29.13	6.03							
900.	13.66	38.67	29.13	5.97							
1000.	13.65	38.67	29.13	5.93	0.10	0.16		3.42	6.03	0.43	

STATION NUMBER: 56
TOTAL DEPTH: 1100.0 m.
PLACE:
DATE:25-10-89
BAROMETRIC PRESSURE:1022
CLOUD:b
SECCHI DISK DEPTH:

OS:NO
SD/Hg:
SW/Hg:10.9
SM/Hg:
BOD-5:

SEASON:
STATION TYPE:

TIME:12:10
AIR TEMPERATURE:
WAVE STATE:1
VISIBILITY:6

TR:-11
SD/Cd:
SW/Cd:
SM/Cd:

CHARACTER
LONGITUDE:29.00'
LATITUDE:36.20'
WIND:1
WIND DIRECTION:NE

TSS:1.35
SD/PH:
SW/PH:
FC/0m.:
FC/2m.:

DEPTH	T	S	SI-T	DO	HM	PO4-P	NO2-N	NO3-N + NO2-N	Si	TOC	CHL-a
0.	23.48	39.63	27.31	1.63	0.05	-11		0.38	1.21	0.62	0.16
20.	22.64	39.42	27.40	7.46							
23.					0.06	-11		0.13	1.17	0.59	
25.	22.60	39.41	27.40	7.58							
30.	22.46	39.40	27.44	7.56							
36.					0.06	-11		0.11	1.15	0.54	0.18
40.	21.70	39.34	27.61	7.74							
45.					0.09	0.12		0.16	1.15	0.49	
50.	21.70	39.42	27.67	7.66							
60.	21.32	39.39	27.76	7.73							
70.	19.92	39.21	28.01	8.35							
68.					0.05	-11		0.08	1.49	0.50	0.30
75.	18.27	39.08	28.34	8.87							
80.	17.77	39.06	28.45	8.87							
82.					0.06	-11		0.09	1.15	0.46	
90.	16.91	39.04	28.64	8.81							
91.					0.17	-11		0.17	1.15	0.45	
100.	16.65	39.04	28.71	8.54							
109.					0.08	-11		0.19	1.21	0.49	0.31
125.	15.91	39.02	28.87	8.12							
127.					0.05	0.12		0.76	1.55	0.45	0.26
136.					0.14	0.14		0.70	1.61	0.39	
150.	15.61	39.01	28.93	7.76							
200.	15.32	38.99	28.99	7.65							
227.					0.11	-11		2.19	2.59	0.45	
250.	14.97	38.94	29.03	7.45							
300.	14.61	38.88	29.07	7.09							
400.	14.16	38.80	29.11	6.64							
453.					0.12	0.24		4.73	7.24	0.37	
500.	13.92	38.75	29.12	6.52							
600.	13.78	38.71	29.13	6.18							
680.					0.10	0.26		5.75	9.43	0.33	
700.	13.70	38.69	29.13	6.10							
800.	13.65	38.67	29.13	6.02							
900.	13.60	38.66	29.13	5.98							
906.					0.06			5.90	10.46	0.35	
1000.	13.60	38.65	29.13	5.96							