

# SeaDataNet data handling MSI, Estonia

(short overview)

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Currently available:

historical

1. CTD data
2. chemical & biological data

In future available:

R/V CTD , Ferrybox, glider, buoy and ADCP data

## Historical CTD data

### Measurements

CTD probe Neil Brown Mark III

calibration of sensors (Autosal) (QC)

### Data format

ODV format (or ASCII table)

### Quality check

QC visual, drawing T and S transects (to find outliers)

ODV

### Database

MySQL

Mikado, DownloadManager, Java scripts

## Biological and chemical data

### Measurements

Environment centre 'Monitoring web'

### Data format

Excel -> ODV format (or ASCII table)

### Quality check

QC visual

ODV

### Database

Mikado, DownloadManager

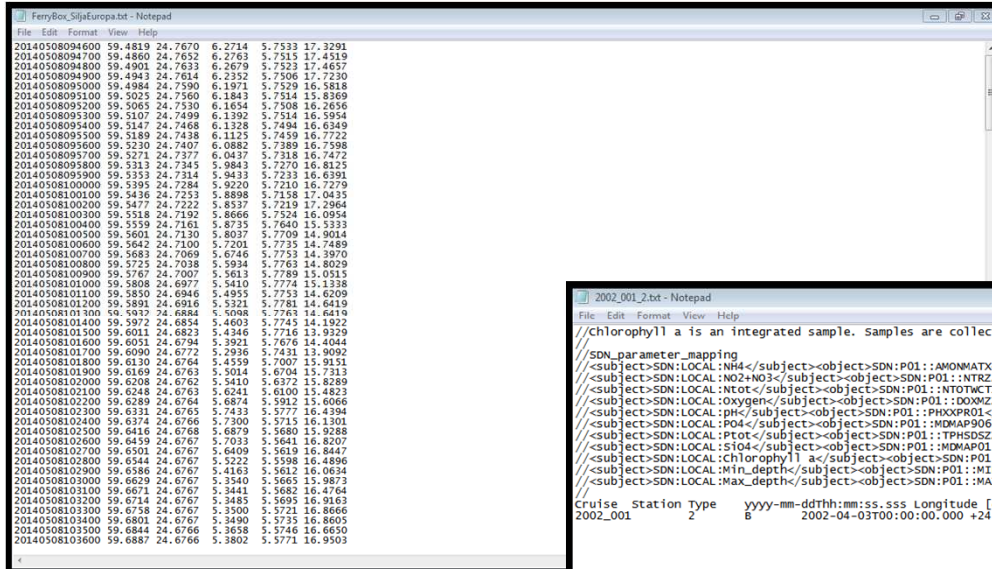
# Historical data

CTD\_1990\_av36.txt - Notepad

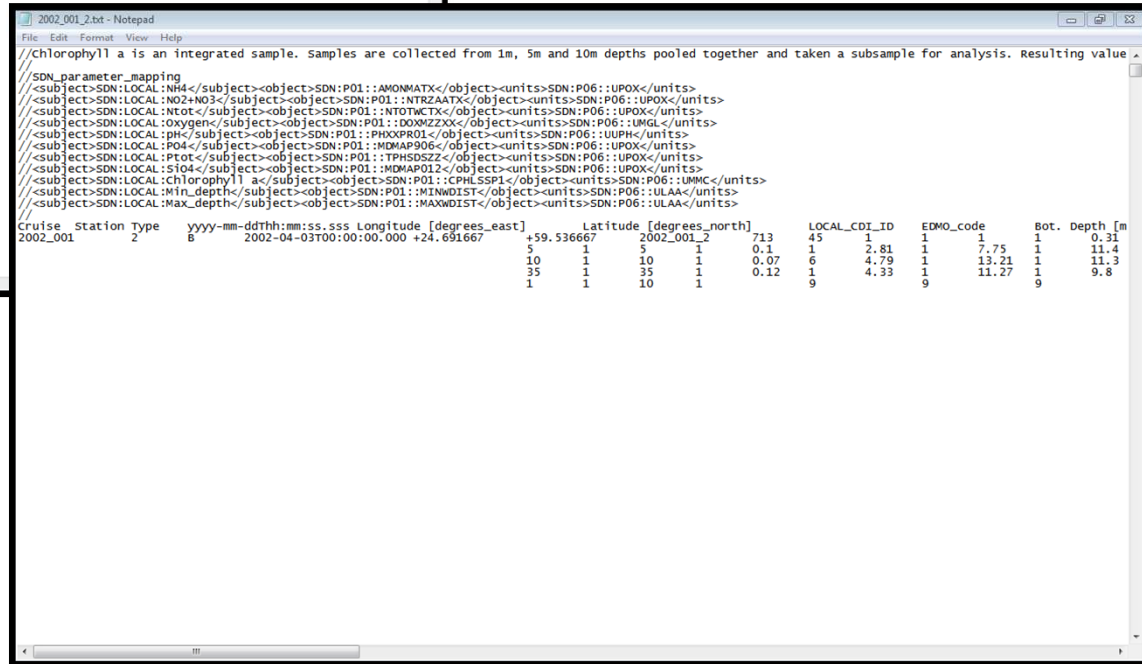
File Edit Format View Help

Station	Latitude	Longitude	Year	Month	Day	Hour	Minute	Pressure [db]	watTemp [degC]	salinity [psu]	sigmat [kg m-3]
3	59.60000	26.50000	1990	6	26	10	57	1.0	15.49	3.46	1.69
3	59.60000	26.50000	1990	6	26	10	57	1.5	15.43	3.46	1.70
3	59.60000	26.50000	1990	6	26	10	57	2.0	15.07	3.49	1.78
3	59.60000	26.50000	1990	6	26	10	57	2.5	14.06	3.59	2.01
3	59.60000	26.50000	1990	6	26	10	57	3.0	12.21	3.75	2.39
3	59.60000	26.50000	1990	6	26	10	57	3.5	11.52	3.88	2.57
3	59.60000	26.50000	1990	6	26	10	57	4.0	11.50	3.90	2.59
3	59.60000	26.50000	1990	6	26	10	57	4.5	11.28	3.96	2.66
3	59.60000	26.50000	1990	6	26	10	57	5.0	8.72	4.16	3.07
3	59.60000	26.50000	1990	6	26	10	57	5.5	6.69	4.43	3.43
3	59.60000	26.50000	1990	6	26	10	57	6.0	5.42	4.59	3.61
3	59.60000	26.50000	1990	6	26	10	57	6.5	4.51	4.67	3.70
3	59.60000	26.50000	1990	6	26	10	57	7.0	3.86	4.75	3.78
3	59.60000	26.50000	1990	6	26	10	57	7.5	4.09	4.84	3.85
3	59.60000	26.50000	1990	6	26	10	57	8.0	4.25	4.93	3.92
3	59.60000	26.50000	1990	6	26	10	57	8.5	4.68	5.00	3.96
3	59.60000	26.50000	1990	6	26	10	57	9.0	4.60	5.02	3.98
3	59.60000	26.50000	1990	6	26	10	57	9.5	3.98	5.07	4.03
3	59.60000	26.50000	1990	6	26	10	57	10.0	3.60	5.11	4.07
3	59.60000	26.50000	1990	6	26	10	57	10.5	3.24	5.18	4.12
3	59.60000	26.50000	1990	6	26	10	57	11.0	3.16	5.24	4.18
3	59.60000	26.50000	1990	6	26	10	57	11.5	2.87	5.29	4.21
3	59.60000	26.50000	1990	6	26	10	57	12.0	2.73	5.33	4.25
3	59.60000	26.50000	1990	6	26	10	57	12.5	2.51	5.38	4.28
3	59.60000	26.50000	1990	6	26	10	57	13.0	2.40	5.47	4.36
3	59.60000	26.50000	1990	6	26	10	57	13.5	2.28	5.83	4.64
3	59.60000	26.50000	1990	6	26	10	57	14.0	2.18	6.10	4.86
3	59.60000	26.50000	1990	6	26	10	57	14.5	2.25	6.22	4.95
3	59.60000	26.50000	1990	6	26	10	57	15.0	2.27	6.23	4.97
3	59.60000	26.50000	1990	6	26	10	57	15.5	2.30	6.26	4.99
3	59.60000	26.50000	1990	6	26	10	57	16.0	2.36	6.30	5.02
3	59.60000	26.50000	1990	6	26	10	57	16.5	2.38	6.32	5.04
3	59.60000	26.50000	1990	6	26	10	57	17.0	2.40	6.33	5.05
3	59.60000	26.50000	1990	6	26	10	57	17.5	2.40	6.33	5.05
3	59.60000	26.50000	1990	6	26	10	57	18.0	2.40	6.33	5.05
3	59.60000	26.50000	1990	6	26	10	57	18.5	2.40	6.33	5.05
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3	59.60000	26.50000	1990	6	26	10	57	19.5	2.41	6.34	5.05
3	59.60000	26.50000	1990	6	26	10	57	20.0	2.41	6.33	5.05
4	59.60000	26.50000	1990	6	26	12	47	1.0	15.90	3.38	1.56
4	59.60000	26.50000	1990	6	26	12	47	1.5	15.72	3.40	1.61
4	59.60000	26.50000	1990	6	26	12	47	2.0	15.62	3.41	1.63
4	59.60000	26.50000	1990	6	26	12	47	2.5	15.14	3.46	1.75
4	59.60000	26.50000	1990	6	26	12	47	3.0	14.12	3.57	1.99
4	59.60000	26.50000	1990	6	26	12	47	3.5	12.98	3.68	2.24
4	59.60000	26.50000	1990	6	26	12	47	4.0	11.13	3.72	2.50
4	59.60000	26.50000	1990	6	26	12	47	4.5	7.96	4.26	3.21
4	59.60000	26.50000	1990	6	26	12	47	5.0	6.26	4.46	3.47
4	59.60000	26.50000	1990	6	26	12	47	5.5	5.36	4.59	3.61
4	59.60000	26.50000	1990	6	26	12	47	6.0	3.97	4.70	3.73

# Ferrybox & bio/chem data



Time	Latitude	Longitude	Depth
20140508094600	59.4819	24.7670	6.2714
20140508094700	59.4860	24.7652	6.2763
20140508094800	59.4901	24.7633	6.2679
20140508094900	59.4943	24.7614	6.2352
20140508095000	59.4984	24.7590	6.1971
20140508095100	59.5025	24.7560	6.1843
20140508095200	59.5065	24.7530	6.1654
20140508095300	59.5107	24.7499	6.1392
20140508095400	59.5147	24.7468	6.1328
20140508095500	59.5189	24.7438	6.1125
20140508095600	59.5230	24.7407	6.0882
20140508095700	59.5271	24.7377	6.0437
20140508095800	59.5313	24.7345	5.9843
20140508095900	59.5353	24.7314	5.9433
20140508100000	59.5395	24.7284	5.9220
20140508100100	59.5436	24.7253	5.8898
20140508100200	59.5477	24.7222	5.8537
20140508100300	59.5518	24.7192	5.8666
20140508100400	59.5558	24.7161	5.8735
20140508100500	59.5601	24.7130	5.8037
20140508100600	59.5642	24.7100	5.7201
20140508100700	59.5683	24.7069	5.6746
20140508100800	59.5725	24.7038	5.5934
20140508100900	59.5767	24.7007	5.5613
20140508101000	59.5808	24.6977	5.5410
20140508101100	59.5850	24.6946	5.4955
20140508101200	59.5891	24.6916	5.5321
20140508101300	59.5932	24.6884	5.5008
20140508101400	59.5972	24.6854	5.4602
20140508101500	59.6011	24.6823	5.4346
20140508101600	59.6051	24.6794	5.3921
20140508101700	59.6090	24.6772	5.2936
20140508101800	59.6130	24.6764	5.4559
20140508101900	59.6169	24.6763	5.5014
20140508102000	59.6208	24.6762	5.5410
20140508102100	59.6248	24.6763	5.6241
20140508102200	59.6289	24.6764	5.6874
20140508102300	59.6331	24.6765	5.7433
20140508102400	59.6374	24.6766	5.7300
20140508102500	59.6416	24.6768	5.6879
20140508102600	59.6459	24.6767	5.7033
20140508102700	59.6501	24.6767	5.6409
20140508102800	59.6544	24.6767	5.5222
20140508102900	59.6586	24.6767	5.4163
20140508103000	59.6629	24.6767	5.3540
20140508103100	59.6671	24.6767	5.3441
20140508103200	59.6714	24.6767	5.3485
20140508103300	59.6758	24.6767	5.3500
20140508103400	59.6801	24.6767	5.3490
20140508103500	59.6844	24.6766	5.3658
20140508103600	59.6887	24.6766	5.3802



chlorophyll a is an integrated sample. Samples are collected from 1m, 5m and 10m depths pooled together and taken a subsample for analysis. Resulting value

```
<SDN_parameter_mapping>
<subject>SDN:LOCAL:NH4</subject><object>SDN:P01:AMONMATX</object><units>SDN:P06:UPOX</units>
<subject>SDN:LOCAL:NO2+NO3</subject><object>SDN:P01:NTRZAAT</object><units>SDN:P06:UPOX</units>
<subject>SDN:LOCAL:Ntot</subject><object>SDN:P01:NTOTWCTX</object><units>SDN:P06:UPOX</units>
<subject>SDN:LOCAL:oxygen</subject><object>SDN:P01:DOXZZXX</object><units>SDN:P06:UMGL</units>
<subject>SDN:LOCAL:PH</subject><object>SDN:P01:PHXXPRO1</object><units>SDN:P06:UUPH</units>
<subject>SDN:LOCAL:P04</subject><object>SDN:P01:MMDAP906</object><units>SDN:P06:UPOX</units>
<subject>SDN:LOCAL:ptot</subject><object>SDN:P01:TPHSDZZ</object><units>SDN:P06:UPOX</units>
<subject>SDN:LOCAL:SI04</subject><object>SDN:P01:MMDAP012</object><units>SDN:P06:UPOX</units>
<subject>SDN:LOCAL:chlorophyll a</subject><object>SDN:P01:CPLHSSP1</object><units>SDN:P06:UMMC</units>
<subject>SDN:LOCAL:Min_depth</subject><object>SDN:P01:MINWDIST</object><units>SDN:P06:ULAA</units>
<subject>SDN:LOCAL:Max_depth</subject><object>SDN:P01:MAXWDIST</object><units>SDN:P06:ULAA</units>
```

Cruise	Station Type	yyyy-mm-ddThh:mm:ss.sss	Longitude [degrees_east]	Latitude [degrees_north]	LOCAL_CDI_ID	EDMO_code	Bot. Depth [m]
2002_001	2	B	2002-04-03T00:00:00.000 +24.691667	+59.536667	2002_001_2	713	45
							1
							1
							7.75
							1
							13.21
							1
							11.3
							9.8
							9

## Available historical CTD data (1978-2000)

