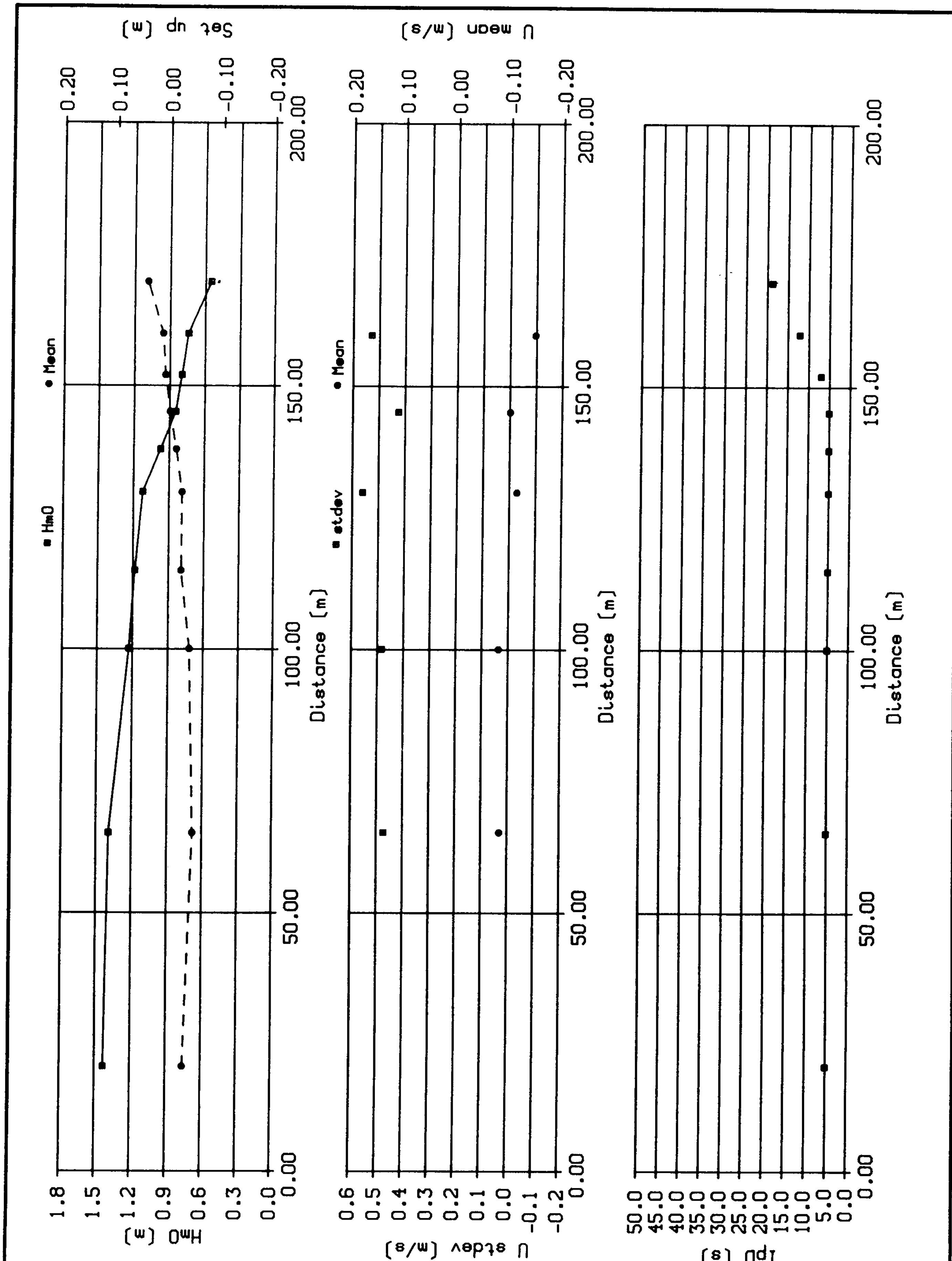
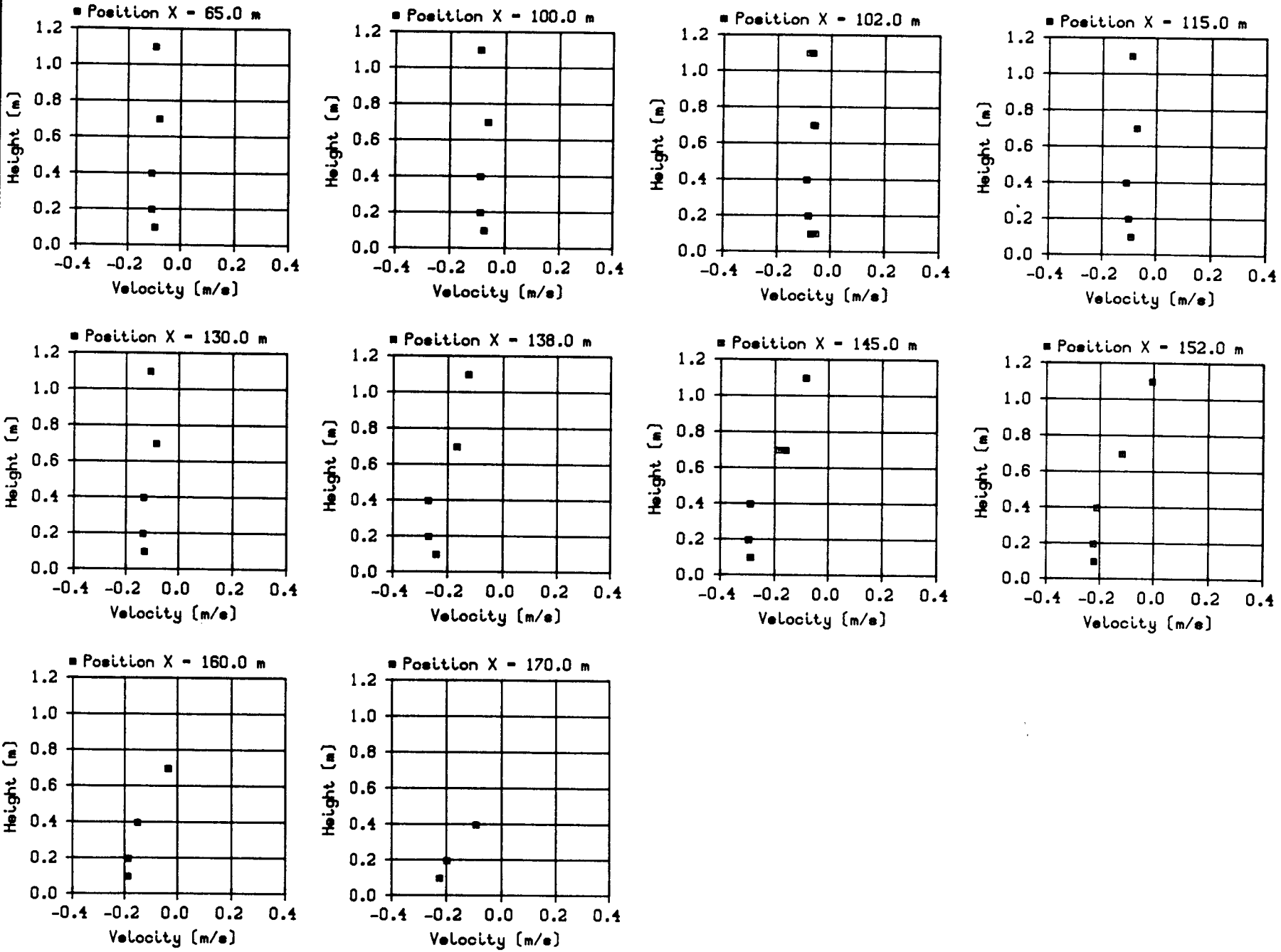


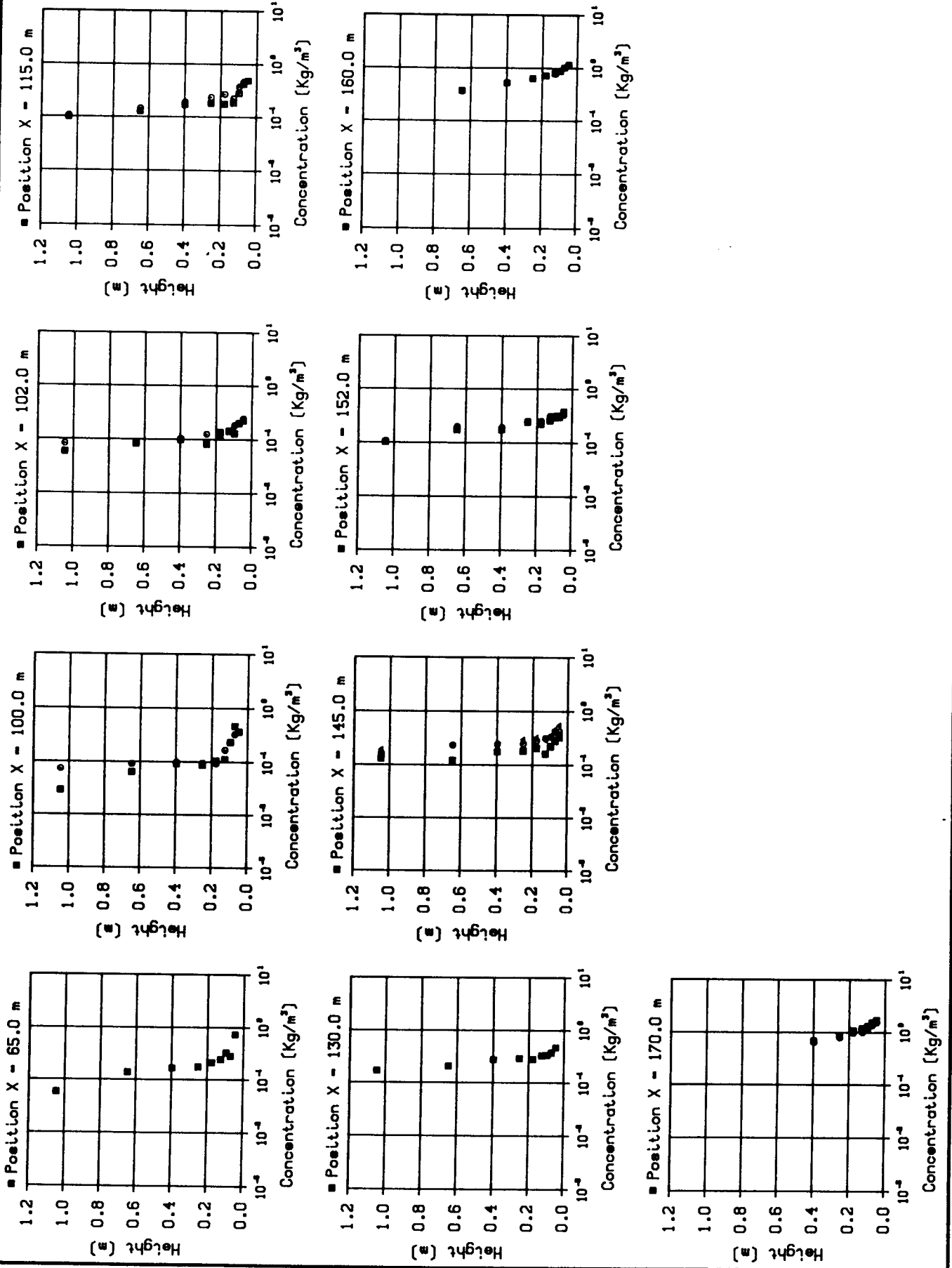
INTEGRAL SURFACE ELEVATION AND VELOCITY DATA BASED ON FIXED INSTRUMENTS, TEST 2E	#2E0809	
DELFT HYDRAULICS	H1572	FIG. 3.6.4

DELFT HYDRAULICS

VELOCITY RESULTS



H1572 | 2E | FIG. 3.6.5



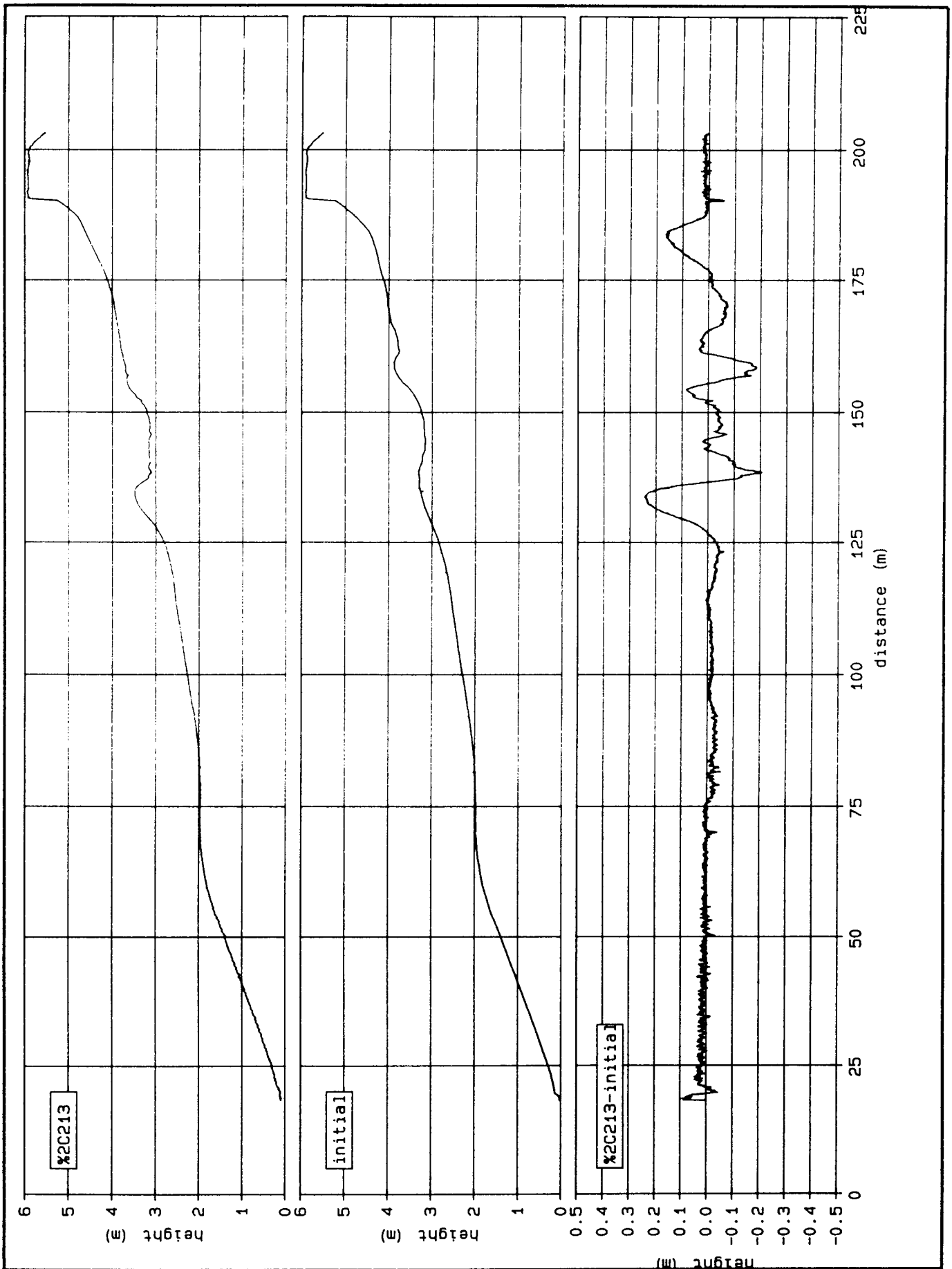
CONCENTRATION RESULTS

2E

DELFT HYDRAULICS

H1572

FIG. 3.6.6



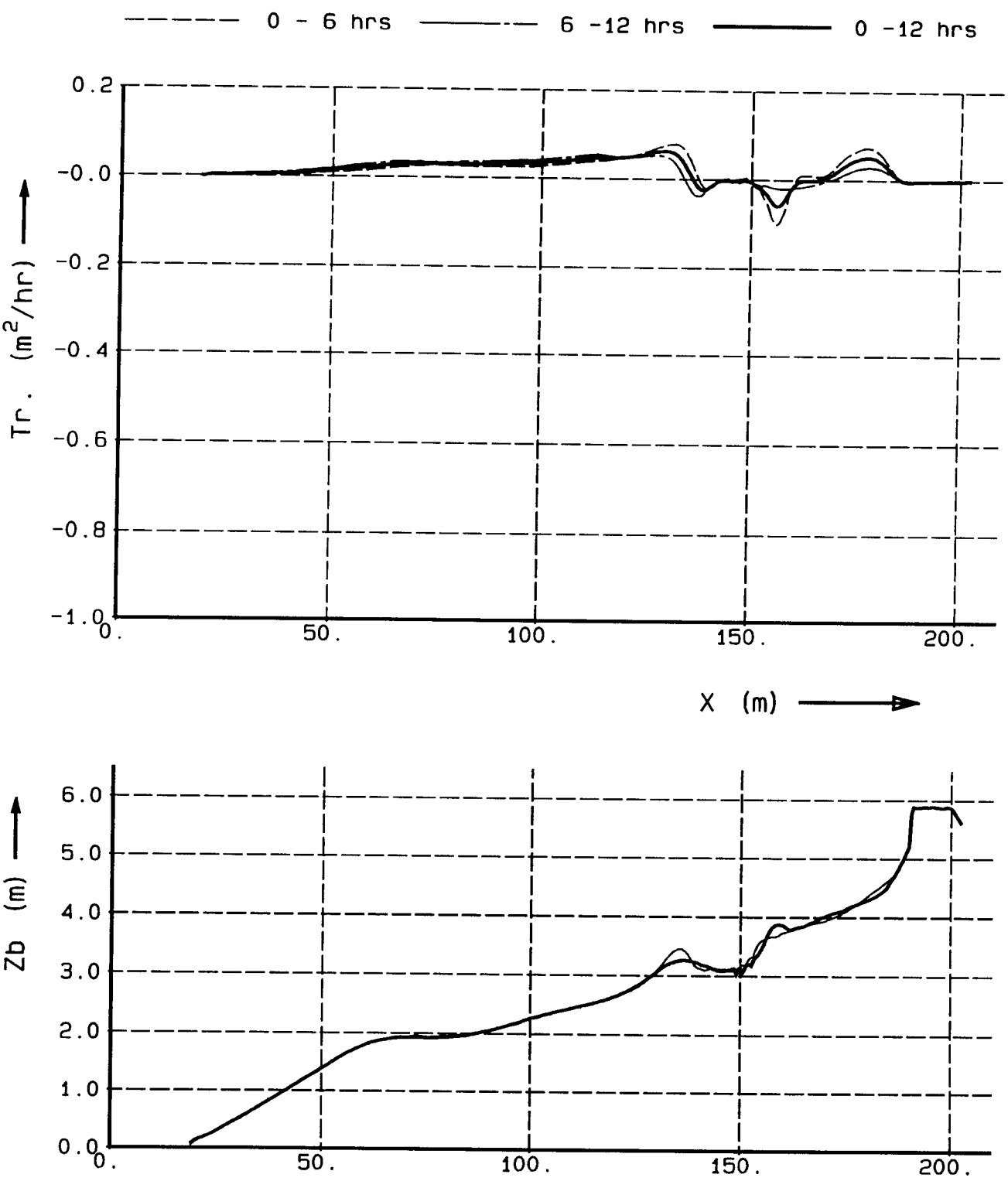
Profile development after 21 hours :
line 3 : test 2C

%2C213

DELFT HYDRAULICS

H1572

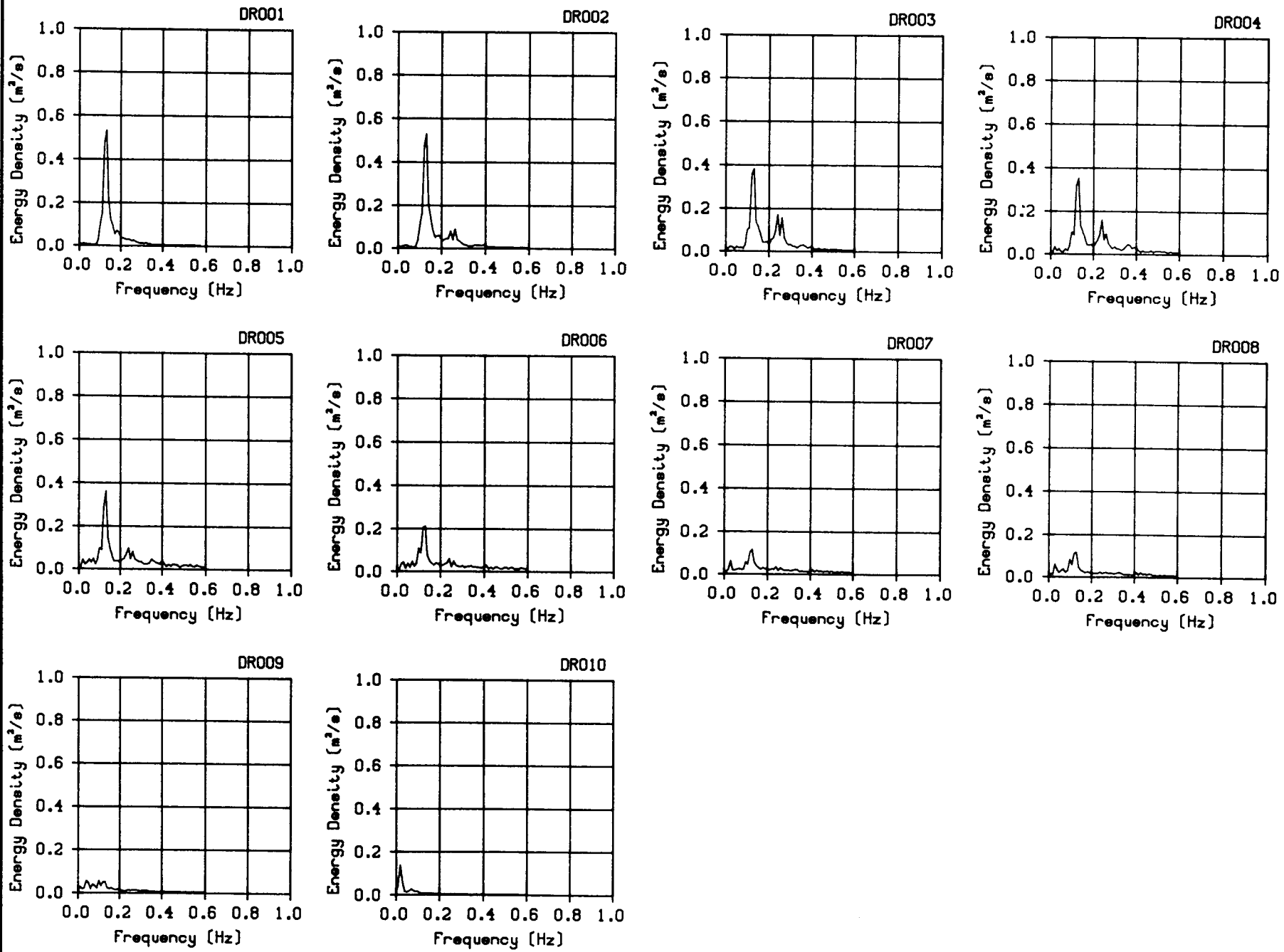
FIG. 3.7.1



INFERRED TRANSPORT RATES, TEST 2C

DELFT HYDRAULICS | H 2130 | FIG. 3.7.2

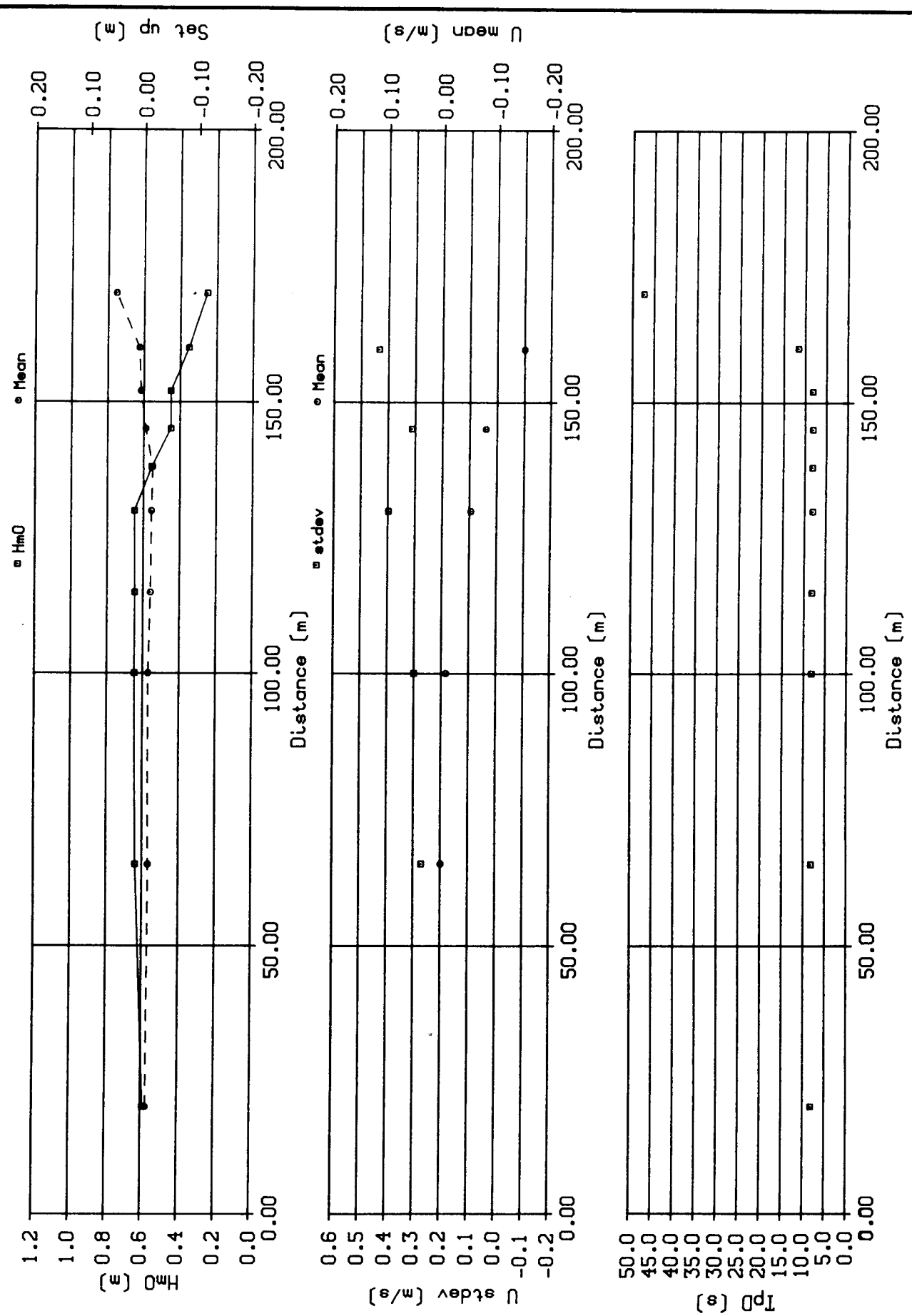
SURFACE ELEVATION SPECTRA
BASED ON PRESSURE SENSORS



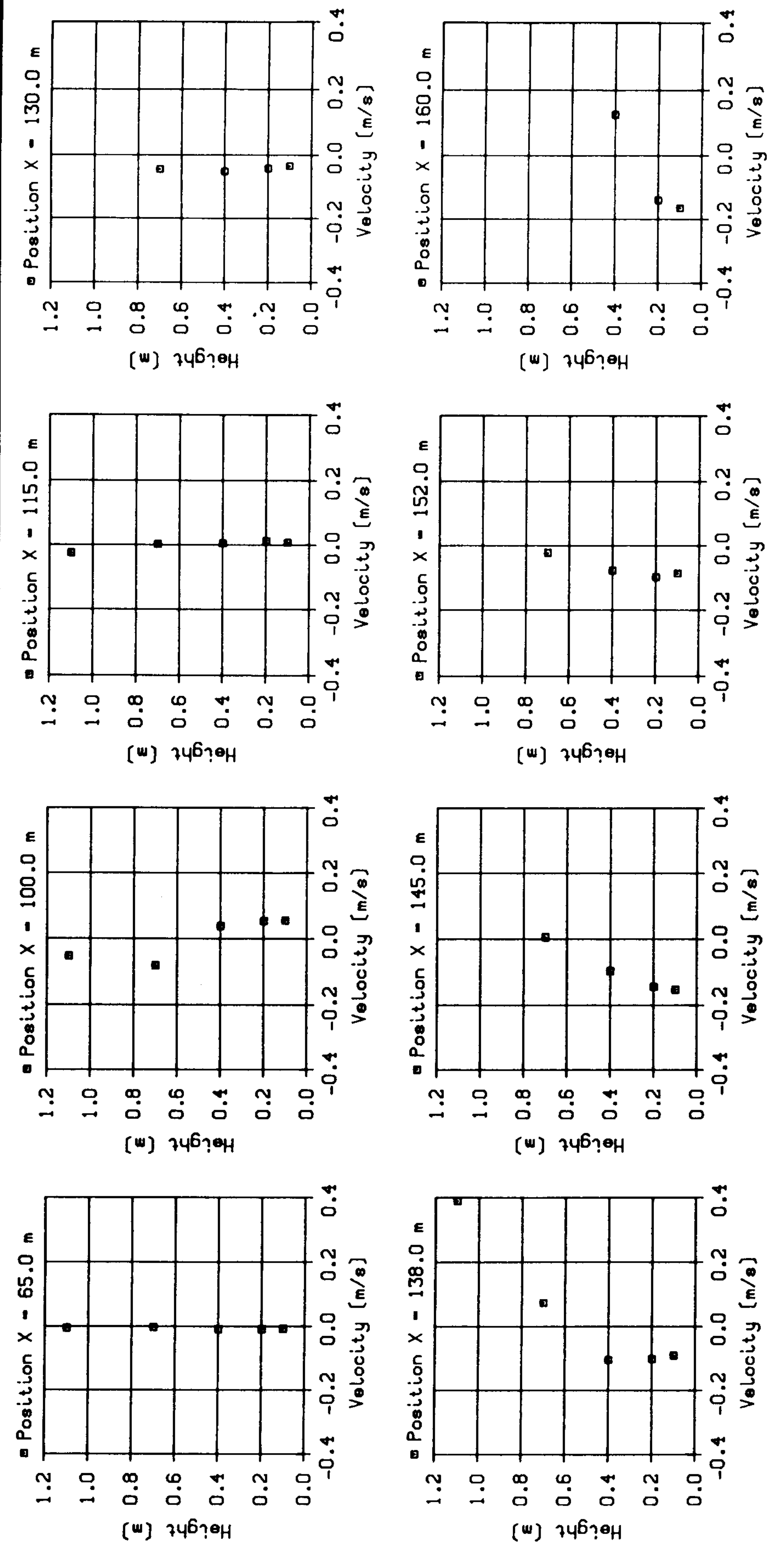
DFI FT HYDRAII TOS

H1572 | FIG. 3.7.3

20405



INTEGRAL SURFACE ELEVATION AND VELOCITY DATA BASED ON FIXED INSTRUMENTS, TEST 2C	#2C0405	
DELFT HYDRAULICS	H1572	FIG. 3.7.4



VELOCITY RESULTS

2C

DELFT HYDRAULICS

H1572

FIG. 3.7.5

Appendix A

Overview of measurements

Overview of measurements, Test 1A
Initial profile: design Dean profile with small deviations

No.	Test code	Profile code	No. profiles	X carriage (m)	X WHM01 (m)	X WHM02 (m)	X WHM03 (m)	Wave hours	Hm0 (20m) (m)	Tp (sec)	W.L. (m)
0		%1A00	5								
1	#1A0102	%1A01	3	65	20	55		1.0	0.80	4.90	4.09
2	#1A0203	%1A02	3	100	20	90		2.0	0.92	4.90	4.11
3	#1A0304	%1A03	3	115	20	40	109	3.0	0.94	4.82	4.08
4	#1A0405	%1A04	3	130	20	40	124	4.0	0.95	4.90	4.10
5	#1A0506	%1A05	3	138	20	40	132	5.0	0.94	4.83	4.10
6	#1A0607	%1A06	3	145	20	40	139	6.0	0.95	4.85	4.11
7	#1A0708	%1A07	3	152	20	40	146	7.0	0.94	4.82	4.085
8	#1A0809			160	20	40	154	8.0	0.94	4.82	4.10
9	#1A0911			156	20	40	150	9.0	0.95	4.82	4.09
10	#1A1012			141	20	40	135	10.0	0.92	4.60	4.085
11	#1A1113			102	20	40	96	11.0	0.93	4.84	4.12
12		%1A12	3					12.0	0.93	4.84	4.12

Overview of measurements, Test 1B
Initial profile: result of Test 1A

No.	Test code	Profile code	No. profiles	X carriage (m)	X WHM01 (m)	X WHM02 (m)	X WHM03 (m)	Wave hours	Hm0 (20m) (m)	Tp (sec)	W.L. (m)
		%1B00	3								
1	#1B0102	%1B01	3	65				1.0	1.31	4.81	4.09
2	#1B0213	%1B02	3	102			20	2.0	1.31	4.96	4.11
3	#1B0304	%1B03	3	115			20	3.0	1.31	4.96	4.10
4	#1B0405	%1B04	3	130			20	4.0	1.32	4.97	4.11
5	#1B0506	%1B05	3	138			20	5.0	-	-	4.10
6	#1B0607	%1B06	3					6.0	-	-	4.11
7	#1B0707	%1B07	3	145			20	7.0	1.38	5.02	4.11
8	#1B0808	%1B08	3	152			20	8.0	1.39	5.02	4.13
9	#1B0909	%1B09	3	160			20	9.0	1.40	5.02	4.11
10	#1B1010			170			20	10.0	1.39	5.02	4.13
11	#1B1102			65			20	11.0	1.39	5.02	4.12
12	#1B1213	%1B12	3	102			20	12.0	1.39	5.02	4.11
13	#1B1300						20	13.0	1.40	5.02	4.13
14	#1B1400						20	14.0	1.39	5.02	4.12
15	#1B1504			115			20	15.0	1.39	5.02	4.11
16	#1B1605			130			20	16.0	1.40	5.02	4.11
17	#1B1706			138			20	17.0	1.39	5.02	4.10
18		%1B18	3					18.0	1.39	5.02	4.10

Overview of measurements, Test 1C
Initial profile: result of Test 1B

No.	Test code	Profile code	No. profiles	X carriage (m)	X WHM01 (m)	X WHM02 (m)	X WHM03 (m)	Wave hours	Hm0 (20m) (m)	Tp (sec)	W.L. (m)
		%1C00	5								
1	#1C0102	%1C01	3	65	20	40	59	1.0	0.58	7.99	4.10
2	#1C0204	%1C02	3	115	20	40	109	2.0	0.58	7.97	4.13
3	#1C0313	%1C03	3	102	20	40	96	3.0	0.58	7.99	4.12
4	#1C0405	%1C04	3	130	20	40	124	4.0	0.58	7.98	4.11
5	#1C0514			125	20	40	119	5.0	0.58	7.97	4.13
6	#1C0615			134	20	40	128	6.0	0.58	7.98	4.12
7	#1C0706	%1C07	3	138	20	40	132	7.0	0.58	7.97	4.11
8	#1C0807			145	20	40	139	8.0	0.58	7.97	4.13
9	#1C0908			152	20	40	146	9.0	0.58	7.98	4.12
10	#1C1009	%1C10	3	160	20	40	154	10.0	0.58	7.97	4.12
11	#1C1110			170	20	40	164	11.0	0.58	7.97	4.12
12	#1C1200				80	125	138	12.0	0.58	7.97	4.11
13	#1C1300	%1C13	5		80	125	145	13.0	0.58	7.97	4.10

Overview of measurements, Test 2B
Initial profile: result of Test 2A

No.	Test code	Profile code	No. profiles	X carriage (m)	X WHM01 (m)	X WHM02 (m)	X WHM03 (m)	Wave hours	Hm0 (20m) (m)	Tp (sec)	W.L. (m)
		%2B00	5								
1	#2B0102	%2B01	3	65			59	1.0	1.41	5.02	4.12
2	#2B0203	%2B02	3	100			20	2.0	1.42	5.02	4.14
3	#2B0304	%2B03	3	115			109	3.0	1.40	5.02	4.13
4	#2B0405	%2B04	3	130			124	4.0	1.41	5.02	4.11
5	#2B0506	%2B05	3	138			132	5.0	1.41	5.02	4.10
6	#2B0607	%2B06	3	145			139	6.0	1.41	5.03	4.11
7	#2B0708	%2B07	3	152			146	7.0	1.42	5.03	4.13
8	#2B0809	%2B08	3	160			154	8.0	1.41	5.03	4.13
9	#2B0910			170			164	9.0	1.41	5.02	4.12
10	#2B1002			65			59	10.0	1.41	5.03	4.11
11	#2B1100							11.0	1.41	5.03	4.11
12	#2B1200	%2B12	5					12.0	1.41	5.03	4.10

Overview of measurements, Test 2E
Initial profile: result of Test 2B

No.	Test code	Profile code	No. profiles	X carriage (m)	X WHM01 (m)	X WHM02 (m)	X WHM03 (m)	Wave hours	Hm0 (20m) (m)	Tp (sec)	W.L. (m)
		%2E00	5								
1	#2E0102	%2E01	3	65			59	1.0	1.44	5.03	4.62
2	#2E0203	%2E02	3	100			94	2.0	1.42	5.03	4.61
3	#2E0304	%2E03	3	115			109	3.0	1.42	5.03	4.60
4	#2E0405	%2E04	3	130			124	4.0	1.43	5.03	4.63
5	#2E0506	%2E05	3	138			132	5.0	1.42	5.00	4.60
6	#2E0607	%2E06	3	145			139	6.0	1.42	5.03	4.61
7	#2E0708	%2E07	3	152			146	7.0	1.42	5.03	4.62
8	#2E0809	%2E08	3	160			154	8.0	1.43	5.03	4.61
9	#2E0910	%2E09	3	170			164	9.0	1.43	5.03	4.61
10	#2E1007	%2E10	3	145			20	10.0	1.43	5.03	4.62
11	#2E1113			102			96	11.0	1.43	5.03	4.61
12	#2E1213	%2E12	3	102			96	12.0	1.43	5.03	4.62
13	#2E1300							13.0	1.43	5.03	4.63
14	#2E1400							14.0	1.43	5.03	4.62
15	#2E1500							15.0	1.44	5.02	4.61
16	#2E1600							16.0	1.43	5.02	4.60
17	#2E1700							17.0	1.43	5.02	4.62
18	#2E1800	%2E18	5					18.0	1.43	5.02	4.61

Overview of measurements, Test 2C
Initial profile: result of Test 2E

No.	Test code	Profile code	No. profiles	X carriage (m)	X WHM01 (m)	X WHM02 (m)	X WHM03 (m)	Wave hours	Hm0 (20m) (m)	Tp (sec)	W.L. (m)
		%2C00	5								
1	#2C0102			65	20	40	59	1.0	0.58	7.92	4.12
2	#2C0203			100	20	40	94	2.0	0.58	7.92	4.11
3	#2C0304	%2C03	3	115	20	40	109	3.0	0.58	7.93	4.10
4	#2C0405			130	20	40	124	4.0	0.59	7.93	4.12
5	#2C0506			138	20	40	132	5.0	0.58	7.94	4.11
6	#2C0607	%2C06	3	145	20	40	139	6.0	0.58	7.94	4.10
7	#2C0708			152	20	40	146	7.0	0.59	7.94	4.13
8	#2C0809			160	20	40	154	8.0	0.58	7.94	4.13
9	#2C0900				20	40	154	9.0	0.58	7.95	4.13
10	#2C1000				20	40	154	10.0	0.59	7.95	4.13
11	#2C1100				20	40	60	11.0	0.58	7.95	4.12
12	#2C1200	%2C12	3		20	40	60	12.0	0.58	7.95	4.11
18	#2C2100	%2C21	5		20	40	60	21.0	0.59	7.90	4.12

Appendix B

Analysis of errors in the conversion of pressure spectra to surface elevation spectra

Analysis of errors in the conversion of pressure spectra to surface elevation spectra

The significant wave height was obtained from the measurements performed with the pressure sensors and the three wave gauges. In the first case time series obtained with the pressure sensor were used to compute the pressure spectrum. Next a transfer function was used to transform the pressure spectrum into a surface elevation spectrum. This may introduce some small errors in the significant wave height. The process used to obtain the significant wave height and the magnitude of the possible errors is described below.

A typical example of a layout for a pressure sensors is shown in Figure B1.

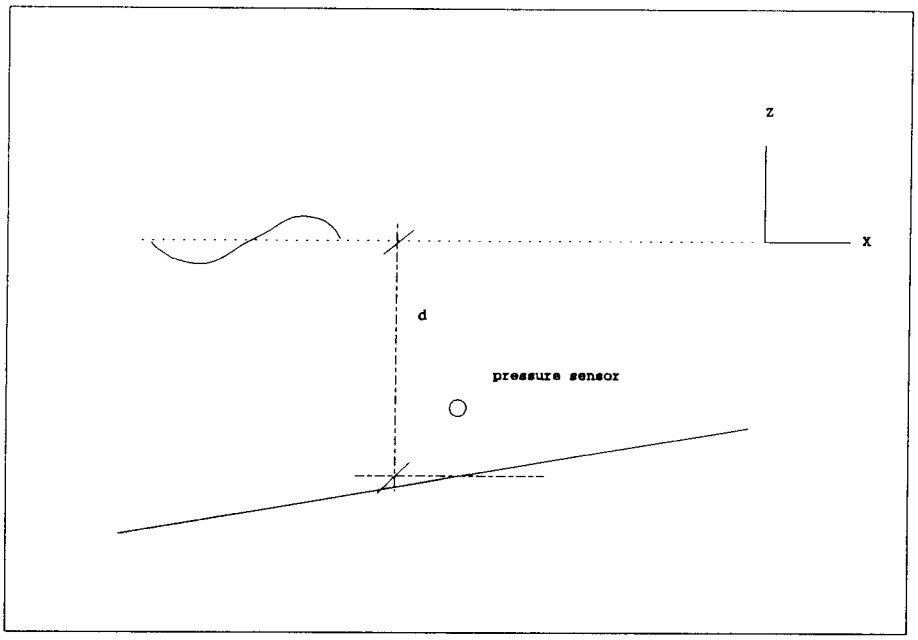


Figure B1 Definition sketch

The pressure sensor yields a time varying signal of the pressure. For monochromatic waves, using linear wave theory we get:

$$p(t) = -\rho g z + \rho g \hat{\eta} \frac{\cosh(k(d+z))}{\cosh(kd)} \sin(\omega t - kx + \phi)$$

which yields in the frequency domain:

$$\hat{\eta}(\omega) = \frac{\hat{p}(\omega)}{\rho g} \frac{\cosh(kd)}{\cosh(k(d+z))}$$

The latter has been used to convert the spectrum obtained from the pressure sensor to a surface elevation spectrum. The relation between wave frequency and wave number is given by the dispersion relation:

$$(\Omega - Fq)^2 = q\tanh(q)$$

where:

$$\Omega = \omega\sqrt{\frac{d}{g}}$$

$$F = \frac{U}{\sqrt{gh}}$$

$$q = kd$$

The velocity U represents in this case the return flow. Neglecting the return flow in the dispersion relation introduces an error in the spectral conversion, resulting in a underestimation of the wave height. The relative error depends on the magnitude of the two parameters F and Ω (Peregrine,1976:Interaction of Water Waves and Currents, ass. press). For the strongly erosive case, $H_{rms} = 1.0\ m$, $T_p = 5\ s$, these parameters are presented in Table 1. The magnitude of the return flow is obtained from the measurements. We only consider the case with the highest waves, because this corresponds to the maximum in return flow velocities.

d (m)	U(m/s)	Ω	F
4.0	0.05	0.80	0.008
3.0	0.10	0.69	0.018
2.0	0.18	0.57	0.040
1.0	0.18	0.40	0.060
0.5	0.25	0.28	0.110

Table B1 Parameter values

From Figure B2, (Peregrine,1976), it then follows that the relative error for the peak frequency is always considerably less than 5 %. The error increases with increasing frequency, which mainly affects the higher harmonics.

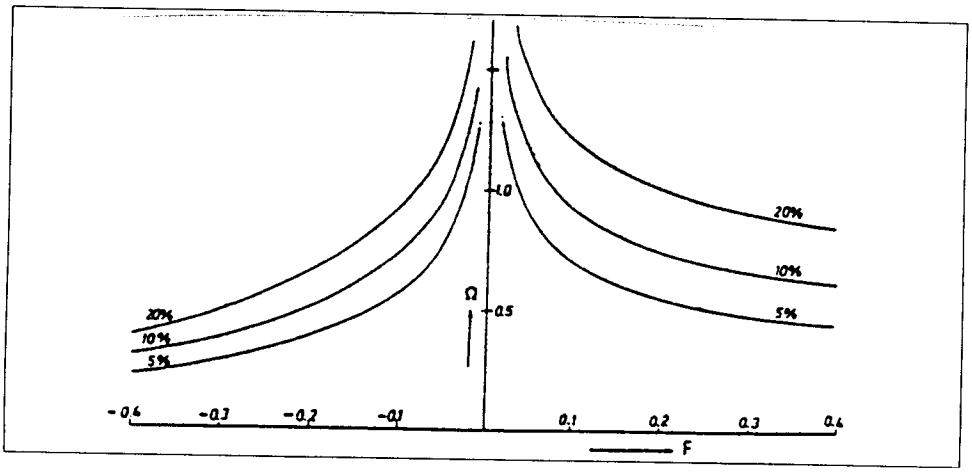


Figure B2 Relative error in surface wave amplitude calculated from bottom pressures due to ignoring a current component parallel with the wave direction (from Peregrine, 1976)

The cut-off criterion for the conversion is set at 1 Hz, because for higher frequencies the converted spectral density becomes infinite. For the data processing we would like to use a single cut-off frequency (f_c), which yields a maximum error in amplitude for the highest harmonic of approximately *20%*.
Once the surface elevation spectrum is obtained, the significant wave height is given by:

$$H_{m0} = \sqrt{4 m_0}$$

where:

$$m0 = \int_0^{f_c} E(f) df$$

A comparison between H_{m0} values obtained from the wave gauge WHM03 and those obtained from the pressure sensors shows differences in the order of 1-2 cm.

Appendix C

Results of statistical analyses of all instruments per wave hour

Test 1A

WHM01	mean	stdev	skewness	kurtosis
1a0102	-.010	.194	.292	.317
1a0203	-.011	.224	.382	.449
1a0304	-.012	.219	.428	.912
1a0405	-.012	.231	.433	.575
1a0506	-.011	.230	.419	.550
1a0607	-.011	.230	.392	.425
1a0708	-.015	.230	.431	.581
1a0809	-.012	.230	.432	.542
1a0911	-.011	.230	.414	.480
1a1012	-.010	.226	.346	.476
1a1113	-.010	.230	.408	.477

WHM02	mean	stdev	skewness	kurtosis
1a0102	-.014	.195	.586	.631
1a0203	-.015	.220	.869	1.080
1a0304	-.012	.218	.405	.685
1a0405	-.014	.229	.409	.305
1a0506	-.013	.229	.405	.325
1a0607	-.013	.228	.407	.330
1a0708	-.017	.228	.403	.291
1a0809	-.014	.230	.408	.321
1a0911	-.013	.230	.413	.358
1a1012	-.011	.226	.406	.312
1a1113	-.012	.230	.399	.288

WHM03	mean	stdev	skewness	kurtosis
1a0102	999.	999.	999.	999.
1a0203	.664	1.637	.774	.303
1a0304	.005	.184	.926	.820
1a0405	-.018	.187	.964	.496
1a0506	-.017	.178	.973	.488
1a0607	-.015	.169	.963	.477
1a0708	-.003	.131	.933	.586
1a0809	.015	.115	1.061	.945
1a0911	.024	.154	5.229	56.885
1a1012	-.010	.171	.980	.542
1a1113	-.015	.205	.759	.300

EMFI1	mean	stdev	skewness	kurtosis
1a0102	-.036	.297	.062	-.101
1a0203	-.054	.390	.187	-.448
1a0304	-.065	.378	.217	-.308
1a0405	-.107	.423	.440	-.635
1a0506	-.157	.451	.472	-.903
1a0607	-.218	.405	.506	-2.082
1a0708	-.147	.310	.434	-1.518
1a0809	-.113	.357	.440	-.508
1a0911	-.105	.328	.474	-.599
1a1012	-.193	.444	.453	-1.361
1a1113	-.048	.400	.214	-.413

EMFI3	mean	stdev	skewness	kurtosis
1a0102	-.045	.299	.058	-.183
1a0203	-.070	.396	.192	-.522
1a0304	-.081	.382	.238	-.394
1a0405	-.115	.429	.446	-.694
1a0506	-.161	.456	.482	-.920
1a0607	-.211	.408	.496	-1.867
1a0708	-.140	.322	.461	-1.238
1a0809	-.110	.371	.423	-.397
1a0911	-.099	.343	.462	-.470
1a1012	-.188	.448	.450	-1.240
1a1113	-.064	.404	.214	-.513

EMFI5	mean	stdev	skewness	kurtosis
1a0102	-.042	.304	.068	-.178
1a0203	-.064	.401	.210	-.489
1a0304	-.074	.392	.180	-.414
1a0405	-.114	.437	.472	-.649
1a0506	-.140	.461	.480	-.684
1a0607	-.167	.411	.494	-.979
1a0708	-.091	.345	.491	-.321
1a0809	-.068	.392	.433	-.035
1a0911	-.060	.363	.472	-.075
1a1012	-.142	.457	.458	-.631
1a1113	-.065	.408	.217	-.526

EMFI7	mean	stdev	skewness	kurtosis
1a0102	-.040	.312	.078	-.180
1a0203	-.052	.413	.249	-.427
1a0304	-.067	.403	.290	-.275
1a0405	-.106	.454	.542	-.508
1a0506	-.090	.486	.530	-.104
1a0607	-.034	.458	.709	2.711
1a0708	.053	.452	.758	14.075
1a0809	-.320	.597	2.118	16.288
1a0911	.093	.500	2.019	19.997
1a1012	-.012	.525	.864	5.993
1a1113	-.056	.420	.247	-.495

EMFI9	mean	stdev	skewness	kurtosis
1a0102	999.	999.	999.	999.
1a0203	-.061	.448	.315	-.440
1a0304	-.057	.438	.407	-.106
1a0405	-.000	.520	-.637	11.269
1a0506	.107	.732	.897	13.153
1a0607	1.203	.816	1.724	-29.752
1a0708	.058	.657	2.006	22.956
1a0809	-.145	.312	.607	115.363
1a0911	.690	.532	2.416	8.815
1a1012	.874	.826	1.451	-1.862
1a1113	-.053	.452	.321	-.446

DRO01	mean	stdev	skewness	kurtosis
1a0102	-.205	1.437	-.153	-.035
1a0203	-.237	1.649	-.134	-.120
1a0304	-.235	1.622	-.165	.185
1a0405	-.251	1.701	-.125	-.156
1a0506	-.242	1.690	-.124	-.135
1a0607	-.233	1.693	-.126	-.133
1a0708	-.265	1.698	-.121	-.168
1a0809	-.250	1.695	-.103	-.162
1a0911	-.240	1.708	-.104	-.159
1a1012	-.220	1.680	-.182	-.161
1a1113	-.227	1.695	-.111	-.146

DRO02	mean	stdev	skewness	kurtosis
1a0102	-.230	1.500	-.004	-.409
1a0203	-.238	1.699	.019	-.463
1a0304	-.236	1.656	.007	-.179
1a0405	-.247	1.742	.038	-.491
1a0506	-.259	1.738	.033	-.497
1a0607	-.222	1.737	.032	-.466
1a0708	-.280	1.739	.050	-.529
1a0809	-.239	1.740	.042	-.471
1a0911	-.372	1.753	.043	-.659
1a1012	-.281	1.734	-.004	-.501
1a1113	-.245	1.743	.024	-.486

DRO03	mean	stdev	skewness	kurtosis
1a0102	-.228	1.529	.129	-.627
1a0203	-.247	1.678	.210	-.708
1a0304	-.245	1.613	.197	-.446
1a0405	-.223	1.709	.230	-.692
1a0506	-.252	1.705	.215	-.724
1a0607	-.236	1.707	.222	-.698
1a0708	-.290	1.709	.228	-.773
1a0809	-.275	1.714	.223	-.738
1a0911	-.404	1.721	.233	-.920
1a1012	-.289	1.699	.226	-.706
1a1113	-.251	1.727	.199	-.722

DRO04	mean	stdev	skewness	kurtosis
1a0102	-.255	1.531	.272	-.742
1a0203	-.249	1.660	.327	-.746
1a0304	-.226	1.575	.319	-.436
1a0405	-.226	1.676	.346	-.727
1a0506	-.227	1.681	.336	-.720
1a0607	-.231	1.683	.338	-.729
1a0708	-.273	1.670	.352	-.773
1a0809	-.255	1.679	.340	-.745
1a0911	-.332	1.683	.347	-.827
1a1012	-.285	1.663	.361	-.738
1a1113	-.240	1.690	.325	-.732

DRO05	mean	stdev	skewness	kurtosis
1a0102	-.252	1.529	.369	-.732
1a0203	-.227	1.621	.416	-.701
1a0304	-.252	1.918	.170	1.679
1a0405	-.207	1.618	.442	-.681
1a0506	-.212	1.624	.428	-.689
1a0607	-.212	1.620	.425	-.677
1a0708	-.266	1.620	.435	-.738
1a0809	-.229	1.637	.426	-.690
1a0911	-.374	1.638	.433	-.887
1a1012	-.289	1.613	.440	-.718
1a1113	-.249	1.654	.407	-.746

DRO06	mean	stdev	skewness	kurtosis
1a0102	-.232	1.433	.385	-.762
1a0203	-.219	1.500	.406	-.721
1a0304	-.178	1.483	.376	.612
1a0405	-.168	1.486	.410	-.680
1a0506	-.180	1.495	.400	-.708
1a0607	-.174	1.506	.400	-.703
1a0708	-.224	1.473	.426	-.736
1a0809	-.206	1.500	.410	-.730
1a0911	-.257	1.497	.434	-.773
1a1012	-.212	1.475	.401	-.736
1a1113	-.194	1.517	.406	-.702

DRO07	mean	stdev	skewness	kurtosis
1a0102	-.147	1.253	.514	-.476
1a0203	-.111	1.287	.507	-.417
1a0304	-.143	1.764	.257	5.070
1a0405	-.078	1.272	.516	-.369
1a0506	-.053	1.275	.519	-.365
1a0607	-.086	1.278	.521	-.367
1a0708	-.087	1.233	.520	-.324
1a0809	-.082	1.263	.531	-.356
1a0911	-.139	1.236	.518	-.359
1a1012	-.141	1.210	.517	-.384
1a1113	-.086	1.258	.520	-.333

DRO08	mean	stdev	skewness	kurtosis
1a0102	-.013	1.078	.550	-.247
1a0203	.022	1.116	.526	-.238
1a0304	.012	1.163	.237	4.146
1a0405	.068	1.078	.509	-.226
1a0506	.068	1.090	.539	-.194
1a0607	.047	1.087	.501	-.202
1a0708	.042	1.050	.504	-.216
1a0809	.066	1.095	.527	-.164
1a0911	.012	1.085	.484	-.184
1a1012	.016	1.065	.506	-.146
1a1113	-.472	1.609	-.541	-.387

DRO09	mean	stdev	skewness	kurtosis
1a0102	.094	.970	.561	-.109
1a0203	.107	1.024	.559	-.095
1a0304	.039	1.735	-.011	7.324
1a0405	.123	1.033	.576	-.121
1a0506	.128	1.036	.553	-.153
1a0607	.131	1.055	.564	-.160
1a0708	.120	1.039	.571	-.138
1a0809	.122	1.063	.546	-.183
1a0911	.139	1.077	.568	-.171
1a1012	.147	1.081	.557	-.240
1a1113	.118	1.106	.564	-.184

DRO10	mean	stdev	skewness	kurtosis
1a0102	.236	.752	.462	-.650
1a0203	.273	.820	.461	-.688
1a0304	.223	1.001	-1.067	11.895
1a0405	.268	.826	.429	-.653
1a0506	.289	.827	.465	-.733
1a0607	.291	.824	.481	-.772
1a0708	.229	.807	.440	-.452
1a0809	.270	.820	.511	-.586
1a0911	.287	.823	.462	-.742
1a1012	.286	.789	.431	-.868
1a1113	.297	.828	.499	-.754

Test 1B

WHM03	mean	stdev	skewness	kurtosis
1b0102	999.	999.	999.	999.
1b0213	-.031	.316	.559	.206
1b0304	-.023	.316	.567	.221
1b0405	-.023	.329	.540	.141
1b0506	-.027	.328	.576	.149
1b0607	-.055	.300	.494	.078
1b0707	-.056	.336	.572	.106
1b0808	-.032	.337	.571	.238
1b0909	-.036	.337	.567	.215
1b1010	-.031	.337	.574	.229
1b1213	-.028	.336	.567	.224
1b1300	-.030	.337	.568	.231
1b1400	-.028	.338	.567	.233
1b1504	-.031	.335	.560	.213
1b1605	-.029	.338	.579	.266
1b1706	-.028	.338	.575	.268

EMF19	mean	stdev	skewness	kurtosis
1b0102	-.087	.488	.335	-.545
1b0213	-.078	.509	.518	-.442
1b0304	-.086	.502	.553	-.435
1b0405	.053	.560	-.144	10.688
1b0506	.980	.828	1.488	-8.917
1b0607	999.	999.	999.	999.
1b0707	.085	.846	1.550	8.951
1b0808	1.125	.661	.709	-53.846
1b0909	1.730	.234	2.959	999.
1b1010	-.788	.969	-1.405	-2.707
1b1213	-.078	.509	.623	-.273
1b1300	999.	999.	999.	999.
1b1400	999.	999.	999.	999.
1b1504	-.077	.506	.707	-.200
1b1605	.064	.618	.086	9.970
1b1706	.923	.986	1.137	-1.923

DRO05	mean	stdev	skewness	kurtosis
1b0102	-.136	1.756	.478	-.583
1b0213	-.118	1.781	.452	-.634
1b0304	-.172	1.782	.444	-.652
1b0405	-.093	1.796	.438	-.614
1b0506	-.135	1.784	.424	-.599
1b0607	-.185	1.780	.559	-.561
1b0707	-.070	1.806	.577	-.528
1b0808	-.196	1.827	.562	-.583
1b0909	-.148	1.818	.552	-.568
1b1010	-.157	1.820	.556	-.540
1b1213	-.112	1.808	.555	-.546
1b1300	-.035	1.829	.532	-.534
1b1400	-.118	1.836	.529	-.559
1b1504	-.108	1.826	.529	-.555
1b1605	-.146	1.855	.506	-.599
1b1706	-.144	1.861	.517	-.593

EMF11	mean	stdev	skewness	kurtosis
1b0102	-.084	.451	.312	-.463
1b0213	-.112	.447	.415	-.672
1b0304	-.122	.443	.464	-.819
1b0405	-.159	.457	.481	-1.086
1b0506	-.232	.512	.420	-1.460
1b0607	999.	999.	999.	999.
1b0707	-.304	.409	.508	-5.009
1b0808	-.174	.305	.526	-2.420
1b0909	-.152	.510	.304	-.493
1b1010	-.136	.432	.152	-.520
1b1213	-.130	.454	.569	-.704
1b1300	999.	999.	999.	999.
1b1400	999.	999.	999.	999.
1b1504	-.129	.442	.610	-.713
1b1605	-.172	.483	.619	-1.012
1b1706	-.303	.492	.574	-2.718

DRO01	mean	stdev	skewness	kurtosis
1b0102	-.528	2.384	.030	-.604
1b0213	-.603	2.376	.015	-.699
1b0304	-.748	2.390	.031	-.934
1b0405	-1.016	2.505	-.000	-1.440
1b0506	14.893	10.846	.793	-33.274
1b0607	.000	.000	.000	.000
1b0707	-.462	2.664	-.022	-.582
1b0808	-.503	2.658	-.025	-.603
1b0909	-.487	2.668	-.025	-.593
1b1010	-.511	2.666	-.012	-.626
1b1213	-.481	2.665	-.021	-.587
1b1300	-.392	2.661	-.022	-.518
1b1400	-.468	2.671	-.021	-.578
1b1504	-.478	2.657	-.028	-.574
1b1605	-.454	2.668	-.019	-.552
1b1706	-.483	2.666	-.023	-.583

DRO06	mean	stdev	skewness	kurtosis
1b0102	-.070	1.595	.437	-.502
1b0213	-.085	1.617	.425	-.566
1b0304	-.118	1.621	.446	-.569
1b0405	-.044	1.607	.391	-.524
1b0506	-.081	1.611	.413	-.559
1b0607	-.138	1.614	.511	-.508
1b0707	-.043	1.645	.503	-.503
1b0808	-.140	1.658	.483	-.563
1b0909	-.104	1.635	.521	-.497
1b1010	-.127	1.634	.477	-.556
1b1213	-.072	1.557	.504	-.440
1b1300	.001	1.570	.534	-.421
1b1400	-.033	1.536	.549	-.379
1b1504	-.016	1.493	.576	-.313
1b1605	-.020	1.497	.575	-.298
1b1706	-.002	1.464	.581	-.288

EMF13	mean	stdev	skewness	kurtosis
1b0102	-.096	.455	.306	-.557
1b0213	-.123	.454	.433	-.759
1b0304	-.128	.451	.464	-.864
1b0405	-.163	.462	.486	-1.120
1b0506	-.227	.517	.419	-1.374
1b0607	999.	999.	999.	999.
1b0707	-.282	.409	.491	-4.110
1b0808	-.172	.317	.499	-2.159
1b0909	-.147	.512	.297	-.503
1b1010	-.110	.446	.179	-.245
1b1213	-.138	.462	.579	-.769
1b1300	999.	999.	999.	999.
1b1400	999.	999.	999.	999.
1b1504	-.138	.452	.613	-.775
1b1605	-.175	.494	.617	-1.029
1b1706	-.299	.489	.555	-2.665

DRO02	mean	stdev	skewness	kurtosis
1b0102	-.397	2.237	.239	-.826
1b0213	-.384	2.245	.217	-.807
1b0304	-.387	2.246	.232	-.804
1b0405	-.379	2.311	.224	-.841
1b0506	-.417	2.317	.254	-.863
1b0607	-.406	2.251	.247	-.803
1b0707	-.448	2.423	.290	-.888
1b0808	-.453	2.436	.275	-.901
1b0909	-.447	2.433	.286	-.884
1b1010	-.549	2.441	.279	-1.013
1b1213	-.431	2.421	.285	-.881
1b1300	-.351	2.432	.271	-.805
1b1400	-.441	2.438	.274	-.887
1b1504	-.435	2.425	.283	-.881
1b1605	-.423	2.436	.276	-.864
1b1706	-.455	2.434	.278	-.898

DRO07	mean	stdev	skewness	kurtosis
1b0102	.084	1.293	.531	-.132
1b0213	.063	1.309	.549	-.155
1b0304	.062	1.277	.565	-.127
1b0405	.136	1.303	.536	-.204
1b0506	.129	1.274	.553	-.156
1b0607	.080	1.259	.611	-.138
1b0707	.167	1.292	.561	-.295
1b0808	.094	1.303	.576	-.217
1b0909	.117	1.267	.556	-.219
1b1010	.140	1.292	.590	-.233
1b1213	.182	1.261	.584	-.261
1b1300	.250	1.279	.581	-.369
1b1400	.179	1.256	.568	-.282
1b1504	.220	1.246	.577	-.339
1b1605	.194	1.269	.560	-.326
1b1706	.205	1.257	.579	-.345

EMF15	mean	stdev	skewness	kurtosis
1b0102	-.098	.457	.291	-.597
1b0213	-.121	.464	.435	-.742
1b0304	-.130	.459	.460	-.858
1b0405	-.146	.469	.501	-.860
1b0506	-.192	.527	.437	-.868
1b0607	999.	999.	999.	999.
1b0707	-.200	.412	.479	-1.413
1b0808	-.144	.334	.513	-1.112
1b0909	-.045	.553	.719	6.281
1b1010	.028	.557	.748	9.459
1b1213	-.132	.471	.582	-.690
1b1300	999.	999.	999.	999.
1b1400	999.	999.	999.	999.
1b1504	-.136	.461	.627	-.707
1b1605	-.168	.506	.634	-.872
1b1706	-.228	.493	.641	-.541

DRO03	mean	stdev	skewness	kurtosis
1b0102	-.297	1.991	.399	-.755
1b0213	-.282	2.003	.382	-.790
1b0304	-.317	2.015	.395	-.827
1b0405	-.255	2.034	.393	-.716
1b0506	-.297	2.032	.397	-.752
1b0607	-1.078	2.031	.457	-2.733
1b0707	-.312	2.028	.502	-.764
1b0808	-.303	2.040	.489	-.770
1b0909	-.165	2.048	.513	-.648
1b1010	-.596	2.049	.498	-1.154
1b1213	-.207	2.040	.510	-.665
1b1300	.109	2.052	.491	-.645
1b1400	-.260	2.061	.501	-.718
1b1504	-.383	2.046	.509	-.826
1b1605	-.239	2.061	.496	-.706
1b1706	-.217	2.055	.500	-.674

DRO08	mean	stdev	skewness	kurtosis
1b0102	.238	1.139	.520	-.318
1b0213	.225	1.148	.542	-.309
1b0304	.208	1.124	.509	-.287
1b0405	.257	1.161	.562	-.327
1b0506	.177	1.125	.537	-.186
1b0607	.216	1.140	.587	-.249
1b0707	.307	1.174	.579	-.515
1b0808	.201	1.197	.589	-.213
1b0909	.263	1.170	.570	-.372
1b1010	.211	1.230	.405	.145
1b1213	.272	1.150	.600	-.342
1b1300	.370	1.189	.602	-.640
1b1400	.398	1.194	.537	-.658
1b1504	.264	1.168	.609	-.302
1b1605	.289	1.202	.591	-.411
1b1706	.302	1.196	.587	-.442

EMF17	mean	stdev	skewness	kurtosis
1b0102	-.096	.467	.301	-.580
1b0213	-.105	.481	.454	-.635
1b0304	-.122	.475	.492	-.753
1b0405	-.109	.489	.527	-.514
1b0506	.004	.619	.911	8.254
1b0607	999.	999.	999.	999.
1b0707	-.025	.458	.726	1.131
1b0808	-.059	.361	.530	.088
1b0909	-.233	.654	2.069	16.017
1b1010	-.522	.439	4.038	23.058
1b1213	-.117	.483	.600	-.552
1b1300	999.	999.	999.	999.
1b1400	999.	999.	999.	999.
1b1504	-.087	.346	.660	-.555
1b1605	-.097	.395	.651	-.503
1b1706	-.040	.445	.934	3.108

DRO04	mean	stdev	skewness	kurtosis
1b0102	-.226	1.857	.473	-.654
1b0213	-.198	1.873	.458	-.659
1b0304	-.222	1.864	.461	-.671
1b0405	-.179	1.878	.455	-.626
1b0506	-.204	1.863	.475	-.632
1b0607	-.233	1.854	.581	-.576
1b0707	-.115	1.857	.583	-.522
1b0808	-.218	1.892	.582	-.593
1b0909	-.174	1.870	.572	-.542
1b1010	-.200	1.885	.558	-.590
1b1213	-.173	1.877	.573	-.568
1b1300	-.109	1.903	.583	-.530
1b1400	-.163	1.896	.573	-.558
1b1504	-.160	1.882	.577	-.544
1b1605	-.177	1.909	.585	-.544
1b1706	-.184	1.904	.575	-.562

DRO09	mean	stdev	skewness	kurtosis
1b0102	.239	1.204	.483	-.339
1b0213	.222	1.223	.485	-.276
1b0304	.200	1.224	.443	-.341
1b0405	.234	1.253	.499	-.315
1b0506	.198	1.223	.484	-.275
1b0607	.220	1.211	.586	-.133
1b0707	.300	1.238	.565	-.346
1b0808	.236	1.261	.557	-.218
1b0909	.261	1.254	.540	-.260
1b1010	.215	1.283	.548	-.166
1b1213	.257	1.257	.567	-.262
1b1300	.261	1.294	.558	-.318
1b1400	.269	1.297	.545	-.317
1b1504	.259	1.291	.572	-.260
1b1605	.222	1.312	.589	-.180
1b1706	.235	1.299	.573	-.227

DRO10	mean	stdev	skewness	kurtosis
1h0102	.407	.949	.447	-1.156
1h0213	.406	.945	.489	-1.157
1h0304	.409	.925	.480	-1.244
1h0405	.432	.958	.473	-1.272
1h0506	.404	.960	.524	-.981
1h0607	.439	.884	.428	-1.816
1h0707	.519	.915	.468	-2.574
1h0808	.446	.924	.467	-1.711
1h0909	.491	.906	.480	-2.249
1h1010	.471	.930	.483	-1.912
1h1213	.515	.905	.480	-2.514
1h1300	.514	.921	.492	-2.389
1h1400	.536	.911	.496	-2.723
1h1504	.535	.905	.485	-2.766
1h1605	.494	.916	.494	-2.202
1h1706	.515	.911	.493	-2.458

Test 1C

WHM01	mean	stdev	skewness	kurtosis
1c0102	-.008	.138	.236	-.035
1c0204	-.009	.137	.246	-.039
1c0313	-.006	.137	.247	-.031
1c0405	-.007	.138	.263	.092
1c0514	-.006	.138	.258	.101
1c0615	-.008	.138	.263	.086
1c0706	-.006	.138	.261	.079
1c0807	-.008	.138	.266	.087
1c0908	-.006	.136	.255	-.038
1c1009	-.007	.138	.263	.068
1c1110	-.010	.137	.238	-.060
1c1200	-.009	.152	1.271	2.858
1c1300	-.008	.151	1.278	2.906

WHM02	mean	stdev	skewness	kurtosis
1c0102	-.009	.143	.454	.229
1c0204	-.009	.142	.455	.192
1c0313	-.007	.141	.447	.179
1c0405	-.007	.143	.472	.321
1c0514	-.007	.143	.456	.284
1c0615	-.009	.143	.466	.277
1c0706	-.006	.142	.470	.336
1c0807	-.008	.143	.468	.296
1c0908	-.007	.140	.453	.175
1c1009	-.007	.142	.479	.339
1c1110	-.007	.142	.458	.198
1c1200	-.010	.156	1.944	5.673
1c1300	-.010	.155	1.901	5.307

WHM03	mean	stdev	skewness	kurtosis
1c0102	-.010	.153	.732	.965
1c0204	-.012	.156	1.563	3.371
1c0313	-.012	.156	1.364	2.627
1c0405	-.011	.155	1.759	4.076
1c0514	-.045	.160	1.749	3.597
1c0615	-.008	.154	1.668	3.769
1c0706	-.010	.161	1.591	3.506
1c0807	-.018	.152	1.630	3.488
1c0908	-.003	.126	1.483	2.610
1c1009	.006	.122	2.077	13.939
1c1110	.011	.097	.878	.864
1c1200	-.019	.159	1.499	2.893
1c1300	.003	.121	1.715	5.485

EMF11	mean	stdev	skewness	kurtosis
1c0102	-.012	.275	.586	.706
1c0204	-.008	.316	1.076	1.530
1c0313	-.005	.305	.971	1.276
1c0405	-.024	.373	1.206	1.872
1c0514	-.021	.342	1.146	1.678
1c0615	-.052	.427	1.020	1.531
1c0706	-.087	.469	.734	1.018
1c0807	-.145	.310	.640	-.712
1c0908	-.139	.324	.762	-.486
1c1009	-.118	.470	.355	.191
1c1110	-.117	.336	.119	-.708
1c1200	999.	999.	999.	999.
1c1300	999.	999.	999.	999.

EMF13	mean	stdev	skewness	kurtosis
1c0102	-.012	.278	.583	.674
1c0204	-.004	.321	1.082	1.543
1c0313	.001	.310	.954	1.171
1c0405	-.031	.380	1.213	1.837
1c0514	-.015	.350	1.144	1.650
1c0615	-.061	.435	1.021	1.456
1c0706	-.096	.474	.745	.948
1c0807	-.148	.312	.639	-.778
1c0908	-.133	.326	.779	-.307
1c1009	-.118	.474	.371	.210
1c1110	-.094	.349	.123	-.424
1c1200	999.	999.	999.	999.
1c1300	999.	999.	999.	999.

EMF15	mean	stdev	skewness	kurtosis
1c0102	-.008	.280	.593	.690
1c0204	-.013	.324	1.086	1.541
1c0313	-.008	.314	.957	1.160
1c0405	-.044	.388	1.239	1.861
1c0514	-.024	.356	1.160	1.660
1c0615	-.071	.442	1.056	1.517
1c0706	-.119	.497	.708	.661
1c0807	-.115	.311	.671	.021
1c0908	-.098	.322	.859	.403
1c1009	.005	.562	1.500	14.102
1c1110	.062	.515	1.636	20.489
1c1200	999.	999.	999.	999.
1c1300	999.	999.	999.	999.

EMF17	mean	stdev	skewness	kurtosis
1c0102	-.003	.212	.613	.725
1c0204	-.011	.253	1.127	1.651
1c0313	-.009	.238	.983	1.261
1c0405	-.037	.310	1.310	2.129
1c0514	-.024	.365	1.220	1.804
1c0615	-.073	.461	1.173	2.407
1c0706	.037	.555	1.688	17.135
1c0807	-.048	.323	.886	1.429
1c0908	-.030	.332	1.000	1.206
1c1009	4.938	.605	2.223	999.
1c1110	4.853	.370	2.834	999.
1c1200	999.	999.	999.	999.
1c1300	999.	999.	999.	999.

EMF19	mean	stdev	skewness	kurtosis
1c0102	-.007	.291	.632	.787
1c0204	-.034	.350	1.207	1.858
1c0313	-.023	.334	1.052	1.432
1c0405	.006	.502	.070	15.023
1c0514	-.044	.387	1.343	2.174
1c0615	1.329	.517	1.757	-273.967
1c0706	.770	.540	3.023	-4.427
1c0807	4.735	.611	-.133	999.
1c0908	.959	.557	1.422	-46.291
1c1009	.969	.635	-6.000	-5.113
1c1110	-.487	1.770	1.311	2.695
1c1200	999.	999.	999.	999.
1c1300	999.	999.	999.	999.

DRO01	mean	stdev	skewness	kurtosis
1c0102	-.127	1.273	.055	-.215
1c0204	-.130	1.258	.067	-.236
1c0313	-.113	1.257	.069	-.227
1c0405	-.103	1.275	.071	-.136
1c0514	-.095	1.262	.066	-.119
1c0615	-.128	1.272	.072	-.162
1c0706	-.103	1.269	.072	-.149
1c0807	-.123	1.268	.071	-.152
1c0908	-.093	1.243	.071	-.232
1c1009	-.100	1.263	.070	-.147
1c1110	-.111	1.261	.051	-.225
1c1200	-.103	1.268	.066	-.160
1c1300	-.109	1.267	.060	-.166

DRO02	mean	stdev	skewness	kurtosis
1c0102	-.154	1.362	.474	.096
1c0204	-.174	1.346	.453	-.025
1c0313	-.097	1.345	.471	.053
1c0405	-.140	1.359	.467	.096
1c0514	-.136	1.351	.464	.092
1c0615	-.153	1.357	.472	.092
1c0706	-.147	1.354	.466	.078
1c0807	-.210	1.355	.471	.008
1c0908	-.011	1.330	.449	.048
1c1009	-.037	1.350	.470	.153
1c1110	-.141	1.351	.457	.043
1c1200	-.254	1.357	.463	-.083
1c1300	-.215	1.353	.464	-.015

DRO03	mean	stdev	skewness	kurtosis
1c0102	-.214	1.368	.915	.638
1c0204	-.229	1.358	.865	.465
1c0313	-.078	1.369	.882	.680
1c0405	-.253	1.367	.918	.591
1c0514	-.286	1.358	.911	.518
1c0615	-.209	1.365	.910	.642
1c0706	-.188	1.360	.920	.686
1c0807	-.219	1.398	.883	.647
1c0908	.353	1.351	.877	.250
1c1009	.104	1.362	.910	.726
1c1110	-.489	1.373	.864	-.185
1c1200	-.632	1.397	.818	-.917
1c1300	-.637	1.374	.854	-.910

DRO04	mean	stdev	skewness	kurtosis
1c0102	-.173	1.351	1.039	.873
1c0204	-.180	1.351	1.010	.775
1c0313	-.119	1.335	1.021	.873
1c0405	-.152	1.344	1.045	.918
1c0514	-.152	1.341	1.028	.877
1c0615	-.182	1.340	1.038	.867
1c0706	-.154	1.330	1.033	.885
1c0807	-.184	1.343	1.025	.835
1c0908	-.138	1.321	1.003	.814
1c1009	-.121	1.327	1.027	.901
1c1110	-.155	1.328	1.025	.861
1c1200	-.149	1.326	1.032	.874
1c1300	-.150	1.322	1.027	.863

DRO05	mean	stdev	skewness	kurtosis
1c0102	-.201	1.418	.961	.761
1c0204	-.198	1.414	.959	.743
1c0313	-.093	1.400	.979	.904
1c0405	-.169	1.400	.979	.840
1c0514	-.173	1.388	.973	.832
1c0615	-.202	1.384	.976	.795
1c0706	-.175	1.374	.984	.856
1c0807	-.213	1.382	.982	.790
1c0908	-.130	1.365	.989	.900
1c1009	-.142	1.359	.996	.934
1c1110	-.176	1.362	.988	.874
1c1200	-.162	1.349	.999	.922
1c1300	-.151	1.344	.997	.934

DRO06	mean	stdev	skewness	kurtosis
1c0102	-.205	1.232	.972	.706
1c0204	-.236	1.269	.957	.633
1c0313	-.159	1.277	.956	.785
1c0405	-.209	1.281	.952	.694
1c0514	-.207	1.312	.947	.678
1c0615	-.252	1.321	.937	.581
1c0706	-.229	1.336	.928	.586
1c0807	-.277	1.367	.913	.486
1c0908	-.212	1.376	.907	.588
1c1009	-.207	1.381	.894	.561
1c1110	-.234	1.395	.887	.503
1c1200	-.232	1.397	.868	.465
1c1300	-.223	1.398	.859	.485

DRO07	mean	stdev	skewness	kurtosis
1c0102	-.118	1.130	1.009	.830
1c0204	-.161	1.155	1.028	.861
1c0313	-.057	1.137	1.007	.926
1c0405	-.080	1.118	1.009	.849
1c0514	-.093	1.133	1.011	.850
1c0615	-.124	1.117	1.008	.801
1c0706	-.098	1.096	1.005	.833
1c0807	-.125	1.123	1.016	.850
1c0908	-.063	1.105	.999	.900
1c1009	-.071	1.094	1.002	.862
1c1110	-.094	1.096	.997	.858
1c1200	-.059	1.082	.996	.838
1c1300	-.059	1.066	.986	.794

DRO08	mean	stdev	skewness	kurtosis
1c0102	-.078	1.018	.827	.577
1c0204	2.082	1.691	-.140	-23.448
1c0313	.001	1.033	.856	.725
1c0405	-.048	1.021	.872	.720
1c0514	-.042	1.036	.877	.715
1c0615	-.079	1.014	.842	.642
1c0706	-.161	1.150	-.160	2.026
1c0807	4.937	1.373	-1.121	-1078.284
1c0908	-.020	1.008	.802	.609
1c1009	-.005	1.002	.842	.702
1c1110	-.051	1.010	.831	.669
1c1200	.036	.991	.847	.694
1c1300	-.006	.984	.850	.682

DRO09	mean	stdev	skewness	kurtosis
1c0102	-.116	1.096	.652	.319
1c0204	-.143	1.134	.701	.379
1c0313	-.089	1.116	.698	.435
1c0405	-.100	1.101	.671	.347
1c0514	-.087	1.122	.694	.396
1c0615	-.132	1.109	.680	.318
1c0706	-.092	1.099	.644	.330
1c0807	-.111	1.126	.688	.373
1c0908	-.102	1.115	.696	.388
1c1009	-.084	1.101	.675	.348
1c1110	-.077	1.095	.677	.349
1c1200	-.062	1.081	.662	.348
1c1300	-.086	1.072	.669	.344

DRO10	mean	stdev	skewness	kurtosis
1c0102	.173	.750	.520	-.262
1c0204	.121	.780	.521	-.097
1c0313	.154	.764	.500	-.226
1c0405	.164	.754	.486	-.271
1c0514	.158	.778	.514	-.194
1c0615	.127	.761	.483	-.144
1c0706	.172	.747	.488	-.290
1c0807	.139	.776	.506	-.133
1c0908	.143	.766	.499	-.123
1c1009	.172	.761	.499	-.249
1c1110	.178	.761	.517	-.235
1c1200	.176	.756	.505	-.244
1c1300	.163	.753	.481	-.213

Test 2A

WHM01	mean	stdev	skewness	kurtosis
2a0102	-.011	.209	.332	.195
2a0203	-.009	.209	.351	.201
2a0304	-.012	.210	.349	.182
2a0405	-.012	.208	.345	.189
2a0506	-.011	.207	.348	.209
2a0607	-.007	.207	.350	.223
2a0708	-.011	.210	.357	.206
2a0809	-.009	.208	.350	.193
2a0910	-.003	.209	.350	.199
2a1013	-.010	.210	.355	.210
2a1114	-.009	.208	.332	.203
2a1205	-.012	.212	.359	.212

WHM02	mean	stdev	skewness	kurtosis
2a0102	-.012	.211	.326	.070
2a0203	-.011	.211	.306	.051
2a0304	-.014	.213	.315	.060
2a0405	-.014	.211	.306	.073
2a0506	-.013	.209	.306	.069
2a0607	-.008	.209	.307	.092
2a0708	-.013	.214	.300	.073
2a0809	-.011	.210	.299	.036
2a0910	-.005	.212	.301	.061
2a1013	-.012	.213	.296	.051
2a1114	-.011	.211	.289	.043
2a1205	-.013	.214	.298	.043

WHM03	mean	stdev	skewness	kurtosis
2a0102	-.014	.223	.694	.629
2a0203	-.015	.223	.801	.504
2a0304	-.027	.217	.991	.758
2a0405	-.017	.207	.985	.589
2a0506	-.016	.197	1.023	.780
2a0607	-.008	.172	1.055	1.047
2a0708	.355	.351	.188	-13.962
2a0809	.021	.134	1.939	12.709
2a0910	.030	.104	.839	.061
2a1013	-.013	.221	.811	.564
2a1114	-.021	.211	.990	.643
2a1205	-.013	.211	.991	.668

EMF11	mean	stdev	skewness	kurtosis
2a0102	-.023	.349	.235	-.022
2a0203	-.032	.412	.290	-.202
2a0304	-.057	.415	.403	-.281
2a0405	-.107	.456	.479	-.388
2a0506	-.165	.481	.457	-.618
2a0607	-.236	.403	.456	-2.429
2a0708	-.147	.369	.468	-.465
2a0809	-.121	.450	.195	-.101
2a0910	-.099	.437	.116	-.516
2a1013	-.042	.409	.259	-.211
2a1114	-.086	.425	.458	-.291
2a1205	-.070	.463	.472	-.159

EMF13	mean	stdev	skewness	kurtosis
2a0102	-.031	.352	.230	-.067
2a0203	-.043	.416	.296	-.233
2a0304	-.063	.422	.409	-.317
2a0405	-.106	.464	.482	-.370
2a0506	-.168	.485	.468	-.639
2a0607	-.222	.404	.463	-1.989
2a0708	-.129	.370	.469	-.261
2a0809	-.108	.457	.201	.022
2a0910	-.069	.454	.132	-.299
2a1013	-.050	.414	.259	-.250
2a1114	-.090	.434	.469	-.356
2a1205	-.077	.472	.474	-.201

EMF15	mean	stdev	skewness	kurtosis
2a0102	-.030	.358	.238	-.067
2a0203	-.036	.422	.304	-.219
2a0304	-.063	.430	.425	-.308
2a0405	-.103	.474	.494	-.314
2a0506	-.144	.483	.512	-.375
2a0607	-.156	.404	.457	-.614
2a0708	-.083	.379	.476	.256
2a0809	-.039	.475	.380	1.514
2a0910	.875	.708	1.580	-10.220
2a1013	-.048	.422	.264	-.253
2a1114	-.089	.442	.481	-.334
2a1205	-.067	.482	.491	-.128

EMF17	mean	stdev	skewness	kurtosis
2a0102	-.019	.282	.267	-.062
2a0203	-.025	.338	.335	-.225
2a0304	-.042	.333	.483	-.269
2a0405	-.069	.376	.537	-.201
2a0506	-.050	.387	.652	1.280
2a0607	.001	.328	.753	2.372
2a0708	.031	.337	.782	6.298
2a0809	3.066	.515	1.578	-7741.351
2a0910	2.735	.262	3.659	999.
2a1013	-.028	.335	.306	-.221
2a1114	-.057	.356	.534	-.206
2a1205	-.041	.385	.549	-.084

EMF19	mean	stdev	skewness	kurtosis
2a0102	-.031	.386	.289	-.089
2a0203	-.054	.466	.388	-.260
2a0304	-.065	.475	.585	-.208
2a0405	.042	.531	.268	9.077
2a0506	1.024	.833	1.337	-11.744
2a0607	1.072	.820	1.479	-15.265
2a0708	1.217	.725	1.749	-46.769
2a0809	.960	.416	-5.161	-132.348
2a0910	.442	1.715	.934	3.129
2a1013	-.052	.466	.377	-.228
2a1114	-.053	.497	.590	.500
2a1205	.099	.568	-.075	10.335

DRO01	mean	stdev	skewness	kurtosis
2a0102	-.206	1.685	-.068	-.198
2a0203	-.185	1.687	-.054	-.185
2a0304	-.215	1.695	-.064	-.206
2a0405	-.196	1.671	-.062	-.189
2a0506	-.206	1.667	-.066	-.194
2a0607	-.164	1.667	-.065	-.155
2a0708	-.179	1.690	-.062	-.190
2a0809	-.203	1.674	-.058	-.200
2a0910	-.128	1.683	-.063	-.152
2a1013	-.187	1.684	-.063	-.201
2a1114	-.185	1.676	-.078	-.158
2a1205	-.212	1.696	-.060	-.200

DRO02	mean	stdev	skewness	kurtosis
2a0102	-.265	1.725	.172	-.552
2a0203	-.153	1.730	.194	-.417
2a0304	-.154	1.743	.192	-.414
2a0405	-.378	1.733	.181	-.642
2a0506	-.428	1.724	.171	-.755
2a0607	-.226	1.721	.181	-.463
2a0708	-.077	1.751	.186	-.365
2a0809	-.278	1.734	.181	-.528
2a0910	-.108	1.736	.189	-.377
2a1013	-.265	1.739	.177	-.484
2a1114	-.183	1.727	.151	-.430
2a1205	-.278	1.744	.187	-.482

DRO03	mean	stdev	skewness	kurtosis
2a0102	-.326	1.775	.275	-.682
2a0203	-.183	1.796	.287	-.547
2a0304	-.088	1.791	.279	-.497
2a0405	-.514	1.796	.271	-1.018
2a0506	-.781	1.820	.240	-1.773
2a0607	-.407	1.775	.285	-.804
2a0708	.163	1.824	.243	-.514
2a0809	-.307	1.815	.271	-.641
2a0910	.086	1.793	.287	-.468
2a1013	-.306	1.790	.275	-.674
2a1114	-.058	1.791	.245	-.474
2a1205	-.304	1.794	.273	-.670

DRO04	mean	stdev	skewness	kurtosis
2a0102	-.235	1.725	.380	-.640
2a0203	-.234	1.733	.406	-.602
2a0304	-.248	1.739	.418	-.617
2a0405	-.255	1.726	.397	-.639
2a0506	-.266	1.717	.403	-.645
2a0607	-.235	1.718	.407	-.607
2a0708	-.237	1.734	.412	-.586
2a0809	-.214	1.724	.420	-.566
2a0910	-.167	1.727	.423	-.530
2a1013	-.241	1.736	.396	-.592
2a1114	-.237	1.729	.389	-.618
2a1205	-.196	1.745	.406	-.549

DRO05	mean	stdev	skewness	kurtosis
2a0102	-.226	1.697	.496	-.511
2a0203	-.232	1.702	.487	-.553
2a0304	-.258	1.704	.495	-.572
2a0405	-.284	1.713	.475	-.637
2a0506	-.264	1.694	.494	-.566
2a0607	-.241	1.697	.487	-.559
2a0708	-.226	1.711	.473	-.558
2a0809	-.226	1.696	.481	-.531
2a0910	-.180	1.696	.488	-.496
2a1013	-.262	1.704	.466	-.580
2a1114	-.234	1.698	.474	-.536
2a1205	-.197	1.714	.461	-.530

DRO06	mean	stdev	skewness	kurtosis
2a0102	-.166	1.488	.541	-.336
2a0203	-.178	1.496	.562	-.265
2a0304	-.181	1.485	.554	-.293
2a0405	-.196	1.491	.538	-.340
2a0506	-.196	1.470	.551	-.309
2a0607	-.178	1.470	.548	-.281
2a0708	-.174	1.481	.528	-.316
2a0809	-.152	1.462	.559	-.242
2a0910	-.104	1.457	.550	-.213
2a1013	-.191	1.485	.538	-.289
2a1114	-.168	1.457	.546	-.268
2a1205	-.081	1.463	.530	-.195

DRO07	mean	stdev	skewness	kurtosis
2a0102	-.040	1.308	.621	-.054
2a0203	-.052	1.303	.638	.036
2a0304	-.063	1.289	.647	.063
2a0405	-.071	1.282	.630	.035
2a0506	-.065	1.259	.643	.059
2a0607	-.027	1.257	.654	.080
2a0708	-.018	1.274	.643	.042
2a0809	.027	1.247	.664	.113
2a0910	.047	1.240	.661	.111
2a1013	-.036	1.260	.653	.075
2a1114	-.005	1.238	.665	.123
2a1205	.029	1.252	.670	.134

DRO08	mean	stdev	skewness	kurtosis
2a0102	.103	1.147	.590	-.117
2a0203	.083	1.150	.588	-.120
2a0304	.090	1.137	.593	-.116
2a0405	.048	1.144	.580	-.083
2a0506	.064	1.130	.596	-.090
2a0607	.073	1.130	.592	-.060
2a0708	.120	1.146	.579	-.172
2a0809	.101	1.129	.585	-.118
2a0910	.157	1.129	.586	-.176
2a1013	.067	1.147	.585	-.078
2a1114	.093	1.138	.618	-.034
2a1205	.127	1.162	.611	-.163

DRO09	mean	stdev	skewness	kurtosis
2a0102	.211	1.055	.579	-.228
2a0203	.157	1.067	.603	-.024
2a0304	.132	1.066	.588	.010
2a0405	.134	1.083	.591	.006
2a0506	.121	1.066	.580	-.020
2a0607	.145	1.079	.590	-.031
2a0708	.110	1.106	.585	.008
2a0809	.118	1.095	.573	-.041
2a0910	.176	1.104	.581	-.104
2a1013	.088	1.120	.581	.003
2a1114	.088	1.101	.609	.136
2a1205	.117	1.110	.595	.039

DRO10	mean	stdev	skewness	kurtosis
2a0102	.309	.893	.382	-.864
2a0203	.250	.919	.436	-.440
2a0304	.280	.907	.447	-.530
2a0405	.237	.910	.468	-.343
2a0506	.215	.895	.485	-.241
2a0607	.270	.899	.471	-.533
2a0708	.253	.912	.483	-.353
2a0809	.274	.899	.486	-.455
2a0910	.350	.901	.494	-.911
2a1013	.244	.922	.515	-.193
2a1114	.265	.912	.477	-.454
2a1205	.320	.915	.463	-.724

Test 2B

WHM03	mean	stdev	skewness	kurtosis
2h0102	-.031	.327	.848	.398
2h0203	-.037	.345	.588	.276
2h0304	-.013	.249	1.062	.577
2h0405	-.030	.228	1.062	.446
2h0506	-.006	.216	1.005	.577
2h0607	.015	.167	.960	.759
2h0708	.029	.157	.956	.675
2h0809	.039	.147	1.082	.878
2h0910	.048	.115	.774	-.661
2h1002	-.034	.328	.837	.394
2h1100	999.	999.	999.	999.
2h1200	999.	999.	999.	999.

EMF11	mean	stdev	skewness	kurtosis
2h0102	-.111	.504	.307	-.535
2h0203	-.133	.463	.533	-.743
2h0304	-.143	.457	.548	-.756
2h0405	-.162	.507	.544	-.775
2h0506	-.288	.463	.538	-2.689
2h0607	-.266	.375	.463	-4.386
2h0708	-.156	.412	.347	-.616
2h0809	-.154	.498	.256	-.403
2h0910	-.108	.461	.145	-.356
2h1002	-.142	.515	.273	-.670
2h1100	999.	999.	999.	999.
2h1200	999.	999.	999.	999.

EMF13	mean	stdev	skewness	kurtosis
2h0102	-.126	.512	.293	-.635
2h0203	-.141	.472	.530	-.799
2h0304	-.141	.457	.484	-1.064
2h0405	-.160	.515	.545	-.739
2h0506	-.268	.465	.498	-2.206
2h0607	-.261	.376	.438	-4.124
2h0708	-.151	.416	.352	-.633
2h0809	-.130	.502	.262	-.215
2h0910	-.082	.475	.155	-.251
2h1002	-.160	.524	.261	-.818
2h1100	999.	999.	999.	999.
2h1200	999.	999.	999.	999.

EMF15	mean	stdev	skewness	kurtosis
2h0102	-.135	.516	.273	-.679
2h0203	-.134	.481	.523	-.730
2h0304	-.146	.476	.539	-.769
2h0405	-.148	.527	.549	-.596
2h0506	-.196	.474	.522	-.523
2h0607	-.214	.378	.409	-2.329
2h0708	-.119	.424	.365	-.249
2h0809	-.037	.539	.549	3.938
2h0910	.051	.620	.968	9.767
2h1002	-.162	.528	.244	-.846
2h1100	999.	999.	999.	999.
2h1200	999.	999.	999.	999.

EMF17	mean	stdev	skewness	kurtosis
2h0102	-.103	.404	.284	-.663
2h0203	-.091	.362	.545	-.628
2h0304	-.092	.345	.558	-.583
2h0405	-.086	.418	.551	-.365
2h0506	-.021	.397	.909	2.730
2h0607	-.050	.280	.446	.077
2h0708	-.017	.350	.497	1.943
2h0809	.729	.555	1.399	-19.687
2h0910	2.880	.343	2.779	999.
2h1002	-.106	.378	.268	-.727
2h1100	999.	999.	999.	999.
2h1200	999.	999.	999.	999.

EMF19	mean	stdev	skewness	kurtosis
2h0102	-.125	.544	.343	-.571
2h0203	-.089	.518	.576	-.335
2h0304	-.084	.520	.618	-.215
2h0405	.101	.648	.468	11.121
2h0506	1.206	.944	1.480	-17.569
2h0607	1.243	.745	.390	-51.851
2h0708	1.108	.735	1.551	-28.477
2h0809	.908	.314	-1.323	-367.468
2h0910	.260	1.930	.486	2.118
2h1002	-.124	.559	.340	-.576
2h1100	999.	999.	999.	999.
2h1200	999.	999.	999.	999.

DRO01	mean	stdev	skewness	kurtosis
2h0102	-.438	2.697	.001	-.499
2h0203	-.441	2.704	-.010	-.521
2h0304	-.371	2.669	.003	-.485
2h0405	-.505	2.707	-.010	-.575
2h0506	-.458	2.680	-.010	-.538
2h0607	-.469	2.698	-.009	-.548
2h0708	-.455	2.698	-.006	-.529
2h0809	-.450	2.699	-.011	-.529
2h0910	-.459	2.714	-.015	-.530
2h1002	-.437	2.709	-.008	-.506
2h1100	-.417	2.707	-.017	-.500
2h1200	-.440	2.710	-.005	-.519

DRO02	mean	stdev	skewness	kurtosis
2h0102	-.388	2.469	.295	-.827
2h0203	-.397	2.478	.285	-.832
2h0304	-.362	2.457	.281	-.795
2h0405	-.462	2.458	.292	-.884
2h0506	-.485	2.450	.298	-.910
2h0607	-.415	2.459	.298	-.827
2h0708	-.505	2.474	.281	-.923
2h0809	-.401	2.471	.285	-.828
2h0910	-.208	2.469	.288	-.707
2h1002	-.434	2.471	.294	-.866
2h1100	-.387	2.464	.294	-.800
2h1200	-.363	2.461	.295	-.786

DRO03	mean	stdev	skewness	kurtosis
2h0102	-.193	2.106	.465	-.669
2h0203	-.042	2.125	.455	-.633
2h0304	-.142	2.109	.442	-.677
2h0405	-.429	2.091	.471	-.871
2h0506	-.143	2.088	.480	-.618
2h0607	-.310	2.112	.482	-.738
2h0708	-.231	2.129	.456	-.712
2h0809	-.143	2.118	.454	-.644
2h0910	.053	2.111	.459	-.622
2h1002	-.449	2.111	.466	-.879
2h1100	-.390	2.099	.463	-.842
2h1200	-.067	2.105	.475	-.609

DRO04	mean	stdev	skewness	kurtosis
2h0102	-.136	1.973	.554	-.564
2h0203	-.140	1.958	.542	-.572
2h0304	-.108	1.939	.556	-.540
2h0405	-.179	1.930	.558	-.581
2h0506	-.142	1.928	.566	-.548
2h0607	-.163	1.936	.564	-.552
2h0708	-.187	1.963	.543	-.585
2h0809	-.186	1.943	.549	-.572
2h0910	-.177	1.940	.562	-.548
2h1002	-.155	1.936	.563	-.530
2h1100	-.156	1.930	.560	-.529
2h1200	-.141	1.928	.555	-.518

DRO05	mean	stdev	skewness	kurtosis
2h0102	-.090	1.879	.527	-.517
2h0203	-.106	1.894	.537	-.545
2h0304	-.076	1.877	.518	-.533
2h0405	-.159	1.873	.524	-.565
2h0506	-.103	1.872	.517	-.539
2h0607	-.138	1.885	.510	-.587
2h0708	-.142	1.936	.498	-.609
2h0809	-.201	1.938	.476	-.660
2h0910	-.160	1.932	.488	-.597
2h1002	-.128	1.949	.486	-.588
2h1100	-.106	1.944	.473	-.605
2h1200	-.113	1.949	.446	-.620

DRO06	mean	stdev	skewness	kurtosis
2h0102	.029	1.603	.545	-.318
2h0203	.003	1.615	.559	-.343
2h0304	.036	1.570	.566	-.259
2h0405	.011	1.522	.574	-.241
2h0506	.070	1.486	.573	-.250
2h0607	.065	1.495	.601	-.203
2h0708	.061	1.521	.590	-.226
2h0809	.049	1.496	.614	-.156
2h0910	.082	1.467	.612	-.185
2h1002	.129	1.445	.619	-.143
2h1100	.164	1.433	.620	-.210
2h1200	.165	1.416	.627	-.205

DRO07	mean	stdev	skewness	kurtosis
2h0102	.221	1.373	.582	-.166
2h0203	.184	1.377	.586	-.111
2h0304	.222	1.365	.595	-.113
2h0405	.190	1.316	.574	-.142
2h0506	.252	1.300	.560	-.302
2h0607	.236	1.309	.551	-.238
2h0708	.211	1.344	.545	-.224
2h0809	.189	1.328	.539	-.228
2h0910	.248	1.317	.547	-.297
2h1002	.275	1.313	.531	-.410
2h1100	.302	1.309	.566	-.352
2h1200	.302	1.305	.550	-.420

DRO08	mean	stdev	skewness	kurtosis
2h0102	.325	1.261	.572	-.431
2h0203	.326	1.272	.565	-.460
2h0304	.314	1.283	.588	-.344
2h0405	.280	1.232	.570	-.369
2h0506	.332	1.228	.574	-.511
2h0607	.295	1.233	.536	-.483
2h0708	.272	1.258	.548	-.373
2h0809	.246	1.256	.548	-.331
2h0910	.321	1.254	.551	-.477
2h1002	.348	1.257	.550	-.551
2h1100	.346	1.256	.565	-.518
2h1200	.353	1.249	.557	-.597

DRO09	mean	stdev	skewness	kurtosis
2h0102	.338	1.216	.565	-.422
2h0203	.302	1.227	.572	-.299
2h0304	.344	1.228	.620	-.211
2h0405	.304	1.187	.581	-.334
2h0506	.350	1.161	.594	-.458
2h0607	.316	1.181	.619	-.320
2h0708	.318	1.209	.607	-.307
2h0809	.353	1.189	.602	-.467
2h0910	.360	1.175	.624	-.456
2h1002	.377	1.160	.623	-.517
2h1100	.424	1.152	.609	-.800
2h1200	.440	1.142	.611	-.872

DRO10	mean	stdev	skewness	kurtosis
2h0102	.506	1.037	.388	-1.806
2h0203	.477	1.047	.394	-1.502
2h0304	.514	1.076	.417	-1.557
2h0405	.481	1.014	.397	-1.588
2h0506	.486	1.008	.378	-1.739
2h0607	.496	1.009	.384	-1.739
2h0708	.488	1.039	.381	-1.539
2h0809	.494	1.027	.393	-1.688
2h0910	.499	1.021	.400	-1.744
2h1002	.515	1.015	.390	-1.939
2h1100	.603	1.017	.387	-2.823
2h1200	.570	1.003	.395	-2.519

Test 2C

WHM01	mean	stdev	skewness	kurtosis
2c0102	-.009	.138	.252	.101
2c0203	-.007	.138	.254	.122
2c0304	-.007	.137	.257	.124
2c0405	-.008	.138	.259	.130
2c0506	-.007	.137	.258	.129
2c0607	-.009	.137	.258	.118
2c0708	.005	.138	.260	.123
2c0809	-.005	.137	.258	.112
2c0900	-.010	.138	.257	.089
2c1000	-.006	.138	.258	.112
2c1100	-.008	.137	.244	.041
2c1200	-.008	.138	.260	.113

EMFI7	mean	stdev	skewness	kurtosis
2c0102	-.004	.219	.610	.729
2c0203	-.083	.243	1.001	.456
2c0304	-.000	.264	1.153	1.703
2c0405	-.047	.330	1.229	1.783
2c0506	.071	.456	1.815	13.013
2c0607	.004	.249	.863	1.304
2c0708	-.024	.251	1.022	1.327
2c0809	2.682	.357	2.464	999.
2c0900	999.	999.	999.	999.
2c1000	999.	999.	999.	999.
2c1100	999.	999.	999.	999.
2c1200	999.	999.	999.	999.

DRO05	mean	stdev	skewness	kurtosis
2c0102	-.212	1.404	.967	.856
2c0203	-.201	1.402	.955	.871
2c0304	-.185	1.397	.953	.886
2c0405	-.161	1.416	.931	.879
2c0506	-.236	1.411	.923	.807
2c0607	-.164	1.409	.916	.855
2c0708	-.011	1.428	.896	.917
2c0809	-.163	1.424	.898	.838
2c0900	-.213	1.426	.896	.789
2c1000	-.173	1.431	.891	.838
2c1100	-.199	1.441	.884	.787
2c1200	-.208	1.449	.872	.753

WHM02	mean	stdev	skewness	kurtosis
2c0102	-.010	.143	.482	.358
2c0203	-.009	.143	.473	.341
2c0304	-.008	.143	.481	.369
2c0405	-.009	.143	.475	.343
2c0506	-.007	.143	.481	.389
2c0607	-.009	.142	.474	.347
2c0708	.004	.143	.468	.376
2c0809	-.006	.143	.473	.403
2c0900	-.010	.143	.478	.382
2c1000	-.007	.143	.476	.394
2c1100	-.008	.142	.482	.390
2c1200	-.009	.143	.477	.394

EMFI9	mean	stdev	skewness	kurtosis
2c0102	-.007	.294	.630	.779
2c0203	-.054	.326	1.051	1.233
2c0304	-.028	.360	1.217	1.870
2c0405	.671	.539	.155	-5.036
2c0506	.388	.594	3.056	26.350
2c0607	.576	.647	1.266	10.168
2c0708	.718	.588	1.814	1.778
2c0809	-.929	2.688	.414	-.892
2c0900	999.	999.	999.	999.
2c1000	999.	999.	999.	999.
2c1100	999.	999.	999.	999.
2c1200	999.	999.	999.	999.

DRO06	mean	stdev	skewness	kurtosis
2c0102	-.185	1.238	.911	.585
2c0203	-.183	1.229	.889	.555
2c0304	-.178	1.215	.872	.523
2c0405	-.179	1.226	.862	.535
2c0506	-.217	1.218	.870	.488
2c0607	-.189	1.188	.862	.494
2c0708	-.045	1.228	.863	.678
2c0809	-.183	1.212	.858	.559
2c0900	-.181	1.193	.860	.539
2c1000	-.165	1.167	.866	.581
2c1100	-.137	1.136	.857	.600
2c1200	-.170	1.114	.871	.602

WHM03	mean	stdev	skewness	kurtosis
2c0102	-.012	.156	.736	.922
2c0203	-.011	.159	1.414	2.855
2c0304	-.012	.160	1.569	3.361
2c0405	-.014	.162	1.696	3.868
2c0506	-.015	.168	1.543	3.389
2c0607	-.013	.134	1.490	2.848
2c0708	.011	.121	1.447	2.366
2c0809	.002	.127	1.200	1.589
2c0900	-.001	.126	1.207	1.616
2c1000	.005	.127	1.435	4.966
2c1100	-.013	.158	.744	.947
2c1200	-.010	.159	.744	.956

DRO01	mean	stdev	skewness	kurtosis
2c0102	-.130	1.271	.053	-.144
2c0203	-.116	1.268	.051	-.127
2c0304	-.112	1.267	.054	-.121
2c0405	-.100	1.269	.050	-.113
2c0506	-.144	1.267	.063	-.148
2c0607	-.139	1.265	.054	-.149
2c0708	-.007	1.267	.061	-.080
2c0809	-.084	1.265	.063	-.104
2c0900	-.140	1.267	.058	-.155
2c1000	-.095	1.268	.059	-.113
2c1100	-.116	1.262	.054	-.165
2c1200	-.109	1.270	.065	-.113

DRO07	mean	stdev	skewness	kurtosis
2c0102	-.107	1.031	1.068	.932
2c0203	-.082	1.012	1.043	.898
2c0304	-.071	1.003	1.044	.919
2c0405	-.051	1.010	1.041	.962
2c0506	-.099	1.003	1.037	.918
2c0607	-.042	.986	1.021	.897
2c0708	.091	1.019	1.035	.964
2c0809	-.032	1.010	1.035	.999
2c0900	-.074	.992	1.020	.905
2c1000	-.018	.984	1.027	.951
2c1100	-.039	.975	1.029	.960
2c1200	-.028	.963	1.020	.944

EMFI1	mean	stdev	skewness	kurtosis
2c0102	-.009	.275	.597	.780
2c0203	.053	.301	.968	.993
2c0304	.006	.322	1.086	1.550
2c0405	-.036	.391	1.118	1.676
2c0506	-.093	.435	.647	.880
2c0607	-.154	.306	.510	-1.485
2c0708	-.088	.289	.843	.433
2c0809	-.165	.428	.215	-.626
2c0900	999.	999.	999.	999.
2c1000	999.	999.	999.	999.
2c1100	999.	999.	999.	999.
2c1200	999.	999.	999.	999.

DRO02	mean	stdev	skewness	kurtosis
2c0102	-.143	1.358	.473	.089
2c0203	-.187	1.357	.466	.033
2c0304	-.127	1.356	.470	.102
2c0405	-.123	1.362	.463	.086
2c0506	-.189	1.373	.500	.088
2c0607	-.176	1.364	.453	.047
2c0708	.279	1.364	.460	-.129
2c0809	.074	1.360	.450	.114
2c0900	-.214	1.362	.458	-.017
2c1000	-.096	1.363	.462	.112
2c1100	-.118	1.363	.463	.102
2c1200	-.107	1.364	.466	.109

DRO08	mean	stdev	skewness	kurtosis
2c0102	-.045	1.002	.727	.291
2c0203	-.036	1.006	.703	.210
2c0304	-.020	1.006	.696	.183
2c0405	.042	1.028	.704	.200
2c0506	-.251	1.043	.674	-.200
2c0607	-.039	1.017	.678	.192
2c0708	.144	1.049	.735	.168
2c0809	.198	1.037	.741	.054
2c0900	-.064	1.027	.733	.234
2c1000	.048	1.022	.741	.264
2c1100	.002	1.013	.725	.224
2c1200	.048	1.005	.705	.163

EMFI3	mean	stdev	skewness	kurtosis
2c0102	-.011	.278	.588	.725
2c0203	.051	.304	.968	1.001
2c0304	.011	.327	1.086	1.537
2c0405	-.044	.402	1.125	1.612
2c0506	-.103	.446	.684	1.087
2c0607	-.146	.308	.541	-1.142
2c0708	-.100	.301	.824	.299
2c0809	-.141	.443	.301	-.181
2c0900	999.	999.	999.	999.
2c1000	999.	999.	999.	999.
2c1100	999.	999.	999.	999.
2c1200	999.	999.	999.	999.

DRO03	mean	stdev	skewness	kurtosis
2c0102	-.177	1.347	.912	.615
2c0203	-.170	1.347	.909	.618
2c0304	-.139	1.348	.918	.677
2c0405	-.112	1.372	.904	.690
2c0506	-.759	1.447	.797	-1.457
2c0607	-.452	1.412	.741	-.112
2c0708	.196	1.370	.859	.537
2c0809	-.101	1.356	.886	.658
2c0900	-.187	1.359	.890	.581
2c1000	-.128	1.359	.901	.681
2c1100	-.162	1.360	.901	.642
2c1200	-.160	1.358	.906	.658

DRO09	mean	stdev	skewness	kurtosis
2c0102	.090	.880	.566	.045
2c0203	.078	.869	.491	.005
2c0304	.052	.858	.473	.022
2c0405	.073	.873	.488	.051
2c0506	.126	.860	.484	-.036
2c0607	.047	.853	.459	.048
2c0708	.172	.906	.528	-.093
2c0809	.056	.892	.512	.108
2c0900	.030	.879	.493	.107
2c1000	.062	.867	.496	.074
2c1100	.102	.855	.477	-.020
2c1200	.088	.844	.480	-.002

EMFI5	mean	stdev	skewness	kurtosis
2c0102	-.011	.280	.591	.705
2c0203	.036	.306	.967	1.063
2c0304	.003	.332	1.099	1.564
2c0405	-.054	.413	1.157	1.625
2c0506	-.105	.462	.853	2.103
2c0607	-.097	.310	.599	-.042
2c0708	-.079	.314	.893	.702
2c0809	.125	.697	1.523	14.609
2c0900	999.	999.	999.	999.
2c1000	999.	999.	999.	999.
2c1100	999.	999.	999.	999.
2c1200	999.	999.	999.	999.

DRO04	mean	stdev	skewness	kurtosis
2c0102	-.179	1.345	1.016	.821
2c0203	-.170	1.342	1.008	.814
2c0304	-.158	1.343	1.020	.846
2c0405	-.148	1.353	1.004	.842
2c0506	-.180	1.351	1.002	.805
2c0607	-.162	1.348	.999	.793
2c0708	-.005	1.359	.971	.831
2c0809	-.135	1.355	.978	.781
2c0900	-.186	1.361	.984	.746
2c1000	-.141	1.361	.991	.800
2c1100	-.169	1.363	.996	.792
2c1200	-.166	1.365	.991	.777

DRO10	mean	stdev	skewness	kurtosis
2c0102	.505	.607	.331	-7.057
2c0203	.504	.609	.318	-6.986
2c0304	.508	.611	.299	-7.153
2c0405	.488	.637	.292	-5.671
2c0506	.488	.646	.272	-5.461
2c0607	.460	.649	.252	-4.680
2c0708	.548	.695	.289	-6.004
2c0809	.423	.692	.257	-3.062
2c0900	.395	.692	.231	-2.621
2c1000	.442	.692	.226	-3.501
2c1100	.416	.695	.215	-2.988
2c1200	.440	.690	.217	-3.482

DRO10	mean	stdev	skewness	kurtosis
2e0102	.300	1.364	.560	-.358
2e0203	.314	1.368	.514	-.387
2e0304	.297	1.387	.531	-.267
2e0405	.267	1.371	.560	-.108
2e0506	.349	1.341	.538	-.336
2e0607	.383	1.322	.513	-.449
2e0708	.366	1.317	.491	-.488
2e0809	.410	1.298	.541	-.536
2e0910	.363	1.275	.529	-.403
2e1007	.444	1.289	.525	-.691
2e1113	.461	1.267	.563	-.746
2e1213	.430	1.275	.528	-.625
2e1300	.430	1.262	.545	-.617
2e1400	.507	1.252	.542	-.951
2e1500	.460	1.234	.544	-.757
2e1600	.476	1.226	.530	-.890
2e1700	.461	1.245	.543	-.761
2e1800	.491	1.231	.544	-.915

Appendix D

Results of statistical analyses of the fixed instruments per test and possible outliers

Results of statistical analyses of the fixed instruments per test and possible outliers

Test 1A

WHM01	mean	stdev	skewness	kurtosis
mean	-.0114	.2249	.3979	.5258
std. dev.	.0014	.0104	.0420	.1421

outliers (> = 2.5*st.dev)

1a0102	stdev
1a0102	skewness
1a0304	kurtosis
1a0708	mean

WHM02	mean	stdev	skewness	kurtosis
mean	-.0135	.2239	.4645	.4478
std. dev.	.0016	.0099	.1379	.2396

outliers (> = 2.5*st.dev)

1a0102	stdev
1a0203	skewness
1a0203	kurtosis

WHM03	mean	stdev	skewness	kurtosis
mean	.0630	.3131	1.3562	6.1842
std. dev.	.2008	.4420	1.2939	16.9013

outliers (> = 2.5*st.dev)

1a0203	mean
1a0203	stdev
1a0911	skewness
1a0911	kurtosis

DRO01	mean	stdev	skewness	kurtosis
mean	-.2368	1.6607	-.1316	-.1082
std. dev.	.0154	.0748	.0241	.0992

outliers (> = 2.5*st.dev)

1a0102	stdev
1a0304	kurtosis

DRO02	mean	stdev	skewness	kurtosis
mean	-.2590	1.7074	.0255	-.4683
std. dev.	.0400	.0706	.0180	.1087

outliers (> = 2.5*st.dev)

1a0102	stdev
1a0304	kurtosis
1a0911	mean

DRO03	mean	stdev	skewness	kurtosis
mean	-.2673	1.6828	.2102	-.7049
std. dev.	.0483	.0569	.0281	.1070

outliers (> = 2.5*st.dev)

1a0102	stdev
1a0102	skewness
1a0911	mean

DRO04	mean	stdev	skewness	kurtosis
mean	-.2545	1.6537	.3330	-.7195
std. dev.	.0308	.0491	.0226	.0940

outliers (> = 2.5*st.dev)

1a0102	skewness
1a0304	kurtosis
1a0911	mean

DRO05	mean	stdev	skewness	kurtosis
mean	-.2517	1.6447	.3992	-.5073
std. dev.	.0456	.0916	.0750	.6936

outliers (> = 2.5*st.dev)

1a0304	stdev
1a0304	skewness
1a0304	kurtosis
1a0911	mean

DRO06	mean	stdev	skewness	kurtosis
mean	-.2040	1.4877	.4049	-.6035
std. dev.	.0267	.0214	.0155	.3852

outliers (> = 2.5*st.dev)

1a0102	stdev
1a0304	kurtosis

DRO07	mean	stdev	skewness	kurtosis
mean	-.1048	1.3026	.4945	.1200
std. dev.	.0312	.1475	.0753	1.5658

outliers (> = 2.5*st.dev)

1a0304	stdev
1a0304	skewness
1a0304	kurtosis

DRO08	mean	stdev	skewness	kurtosis
mean	-.0120	1.1378	.3947	.1765
std. dev.	.1477	.1516	.3070	1.2567

outliers (> = 2.5*st.dev)

1a0304	kurtosis
1a1113	mean
1a1113	stdev
1a1113	skewness

DRO09	mean	stdev	skewness	kurtosis
mean	.1153	1.1108	.5098	.5245
std. dev.	.0277	.2003	.1649	2.1505

outliers (> = 2.5*st.dev)

1a0304	mean
1a0304	stdev
1a0304	skewness
1a0304	kurtosis

DRO10	mean	stdev	skewness	kurtosis
mean	.2681	.8288	.3249	.4543
std. dev.	.0254	.0586	.4408	3.6194

outliers (> = 2.5*st.dev)

1a0304	stdev
1a0304	skewness
1a0304	kurtosis

Test 1B

WHM03	mean	stdev	skewness	kurtosis
mean	-.0325	.3305	.5624	.2012
std. dev.	.0095	.0109	.0204	.0545

outliers (> = 2.5*st.dev)
1b0607 stdev
1b0607 skewness

DRO01	mean	stdev	skewness	kurtosis
mean	-.0431	2.9466	.0407	-2.6717
std. dev.	1.3319	2.1364	.1952	7.9062

outliers (> = 2.5*st.dev)
1b0506 1 mean
1b0506 1 stdev
1b0506 1 skewness
1b0506 1 kurtosis

DRO02	mean	stdev	skewness	kurtosis
mean	-.4252	2.3704	.2631	-.8654
std. dev.	.0436	.0821	.0232	.0517

outliers (> = 2.5*st.dev)
1b1010 mean
1b1010 kurtosis

DRO03	mean	stdev	skewness	kurtosis
mean	-.1839	2.0366	.4645	-.8839
std. dev.	.3524	.0193	.0497	.4912

outliers (> = 2.5*st.dev)
1b0607 - mean
1b0607 - kurtosis

DRO04	mean	stdev	skewness	kurtosis
mean	-.1834	1.8790	.5415	-.5857
std. dev.	.0347	.0173	.0525	.0471

outliers (> = 2.5*st.dev)

DRO05	mean	stdev	skewness	kurtosis
mean	-.1296	1.8103	.5131	-.5780
std. dev.	.0402	.0282	.0487	.0347

outliers (> = 2.5*st.dev)

DRO06	mean	stdev	skewness	kurtosis
mean	-.0682	1.5846	.4954	-.4679
std. dev.	.0464	.0573	.0584	.0965

outliers (> = 2.5*st.dev)

DRO07	mean	stdev	skewness	kurtosis
mean	.1439	1.2773	.5673	-.2374
std. dev.	.0564	.0188	.0198	.0796

outliers (> = 2.5*st.dev)

DRO08	mean	stdev	skewness	kurtosis
mean	.2624	1.1692	.5579	-.3391
std. dev.	.0587	.0295	.0494	.1816

outliers (> = 2.5*st.dev)
1b1010 skewness
1b1010 kurtosis

DRO09	mean	stdev	skewness	kurtosis
mean	.2392	1.2578	.5371	-.2646
std. dev.	.0263	.0338	.0426	.0633

outliers (> = 2.5*st.dev)

DRO10	mean	stdev	skewness	kurtosis
mean	.4708	.9228	.4799	-1.9453
std. dev.	.0482	.0204	.0209	.6024

outliers (> = 2.5*st.dev)

Test 1C

WHM01	mean	stdev	skewness	kurtosis
mean	-.0075	.1397	.4112	.4672
std. dev.	.0013	.0051	.3683	1.0314

outliers (> = 2.5*st.dev)

WHM02	mean	stdev	skewness	kurtosis
mean	-.0079	.1442	.6864	1.0620
std. dev.	.0013	.0049	.5272	1.8903

outliers (> = 2.5*st.dev)

WHM03	mean	stdev	skewness	kurtosis
mean	-.0098	.1440	1.5160	3.9377
std. dev.	.0133	.0196	.3462	3.1151

outliers (> = 2.5*st.dev)

1c0514	mean
1c1009	kurtosis

DRO01	mean	stdev	skewness	kurtosis
mean	-.1106	1.2643	.0662	-.1789
std. dev.	.0122	.0082	.0065	.0399

outliers (> = 2.5*st.dev)

1c0908	stdev

DRO02	mean	stdev	skewness	kurtosis
mean	-.1438	1.3515	.4647	.0489
std. dev.	.0645	.0078	.0073	.0611

outliers (> = 2.5*st.dev)

1c0908	stdev

DRO03	mean	stdev	skewness	kurtosis
mean	-.2290	1.3692	.8867	.2947
std. dev.	.2595	.0135	.0297	.5663

outliers (> = 2.5*st.dev)

DRO04	mean	stdev	skewness	kurtosis
mean	-.1545	1.3353	1.0272	.8628
std. dev.	.0203	.0100	.0110	.0355

outliers (> = 2.5*st.dev)

DRO05	mean	stdev	skewness	kurtosis
mean	-.1681	1.3799	.9817	.8527
std. dev.	.0321	.0228	.0121	.0630

outliers (> = 2.5*st.dev)

DRO06	mean	stdev	skewness	kurtosis
mean	-.2217	1.3340	.9213	.5962
std. dev.	.0269	.0542	.0349	.0950

outliers (> = 2.5*st.dev)

DRO07	mean	stdev	skewness	kurtosis
mean	-.0925	1.1117	1.0056	.8502
std. dev.	.0309	.0237	.0099	.0339

outliers (> = 2.5*st.dev)

DRO08	mean	stdev	skewness	kurtosis
mean	.5051	1.1024	.5404	-84.0747
std. dev.	1.3989	.1974	.5977	287.0760

outliers (> = 2.5*st.dev)

1c0204	stdev
1c0807	mean
1c0807	skewness
1c0807	kurtosis

DRO09	mean	stdev	skewness	kurtosis
mean	-.0985	1.1052	.6775	.3595
std. dev.	.0215	.0169	.0172	.0321

outliers (> = 2.5*st.dev)

DRO10	mean	stdev	skewness	kurtosis
mean	.1569	.7621	.5015	-.2062
std. dev.	.0182	.0102	.0134	.0602

outliers (> = 2.5*st.dev)

Test 2A

WHM01	mean	stdev	skewness	kurtosis
mean	-.0097	.2089	.3482	.2018
std. dev.	.0025	.0014	.0081	.0107

outliers (> = 2.5*st.dev)
2a0910 mean

WHM02	mean	stdev	skewness	kurtosis
mean	-.0114	.2115	.3041	.0602
std. dev.	.0025	.0017	.0091	.0154

outliers (> = 2.5*st.dev)
2a0910 mean

WHM03	mean	stdev	skewness	kurtosis
mean	.0218	.2059	.9423	.4158
std. dev.	.1017	.0569	.3764	5.4684

outliers (> = 2.5*st.dev)
2a0708 mean
2a0708 stdev
2a0708 kurtosis
2a0809 skewness

DRO01	mean	stdev	skewness	kurtosis
mean	-.1888	1.6812	-.0636	-.1857
std. dev.	.0233	.0097	.0056	.0186

outliers (> = 2.5*st.dev)
2a0910 mean
2a1114 skewness

DRO02	mean	stdev	skewness	kurtosis
mean	-.2327	1.7339	.1802	-.4924
std. dev.	.1001	.0087	.0112	.1090

outliers (> = 2.5*st.dev)
2a1114 skewness

DRO03	mean	stdev	skewness	kurtosis
mean	-.2521	1.7967	.2693	-.7302
std. dev.	.2487	.0150	.0163	.3490

outliers (> = 2.5*st.dev)
2a0506 kurtosis

DRO04	mean	stdev	skewness	kurtosis
mean	-.2304	1.7294	.4048	-.5993
std. dev.	.0257	.0080	.0123	.0350

outliers (> = 2.5*st.dev)

DRO05	mean	stdev	skewness	kurtosis
mean	-.2358	1.7022	.4814	-.5524
std. dev.	.0278	.0068	.0111	.0350

outliers (> = 2.5*st.dev)

DRO06	mean	stdev	skewness	kurtosis
mean	-.1637	1.4754	.5454	-.2789
std. dev.	.0344	.0133	.0103	.0434

outliers (> = 2.5*st.dev)

DRO07	mean	stdev	skewness	kurtosis
mean	-.0228	1.2674	.6491	.0681
std. dev.	.0381	.0226	.0143	.0494

outliers (> = 2.5*st.dev)

DRO08	mean	stdev	skewness	kurtosis
mean	.0938	1.1408	.5919	-.1106
std. dev.	.0291	.0099	.0113	.0425

outliers (> = 2.5*st.dev)

DRO09	mean	stdev	skewness	kurtosis
mean	.1331	1.0877	.5879	-.0205
std. dev.	.0340	.0202	.0100	.0825

outliers (> = 2.5*st.dev)
2a0102 kurtosis

DRO10	mean	stdev	skewness	kurtosis
mean	.2722	.9070	.4672	-.5034
std. dev.	.0365	.0091	.0325	.2177

outliers (> = 2.5*st.dev)
2a0102 skewness

Test 2B

WHM03	mean	stdev	skewness	kurtosis
mean	-.0020	.2279	.9174	.3766
std. dev.	.0307	.0788	.1484	.3886

outliers (> = 2.5*st.dev)

2h0910	kurtosis

DRO01	mean	stdev	skewness	kurtosis
mean	-.4450	2.6993	-.0081	-.5232
std. dev.	.0304	.0125	.0055	.0233

outliers (> = 2.5*st.dev)

DRO02	mean	stdev	skewness	kurtosis
mean	-.4006	2.4651	.2905	-.8321
std. dev.	.0727	.0079	.0060	.0566

outliers (> = 2.5*st.dev)

2h0910	mean

DRO03	mean	stdev	skewness	kurtosis
mean	-.2072	2.1087	.4640	-.7095
std. dev.	.1526	.0117	.0112	.0967

outliers (> = 2.5*st.dev)

DRO04	mean	stdev	skewness	kurtosis
mean	-.1558	1.9420	.5560	-.5533
std. dev.	.0228	.0142	.0076	.0208

outliers (> = 2.5*st.dev)

DRO05	mean	stdev	skewness	kurtosis
mean	-.1268	1.9107	.5000	-.5804
std. dev.	.0336	.0315	.0257	.0400

outliers (> = 2.5*st.dev)

DRO06	mean	stdev	skewness	kurtosis
mean	.0720	1.5058	.5917	-.2282
std. dev.	.0523	.0613	.0264	.0568

outliers (> = 2.5*st.dev)

DRO07	mean	stdev	skewness	kurtosis
mean	.2360	1.3297	.5605	-.2503
std. dev.	.0395	.0267	.0193	.1033

outliers (> = 2.5*st.dev)

DRO08	mean	stdev	skewness	kurtosis
mean	.3132	1.2533	.5603	-.4538
std. dev.	.0319	.0155	.0139	.0817

outliers (> = 2.5*st.dev)

DRO09	mean	stdev	skewness	kurtosis
mean	.3522	1.1856	.6023	-.4553
std. dev.	.0420	.0280	.0193	.1908

outliers (> = 2.5*st.dev)

DRO10	mean	stdev	skewness	kurtosis
mean	.5107	1.0261	.3920	-1.8486
std. dev.	.0364	.0199	.0098	.3914

outliers (> = 2.5*st.dev)

2h0304	stdev
2h0304	skewness
2h1100	mean

Test 2C

WHM01	mean	stdev	skewness	kurtosis
mean	-.0066	.1376	.2562	.1095
std. dev.	.0037	.0005	.0043	.0235

outliers (> = 2.5*st.dev)

2c0708	mean
2c1100	skewness
2c1100	kurtosis

WHM02	mean	stdev	skewness	kurtosis
mean	-.0073	.1428	.4767	.3738
std. dev.	.0036	.0004	.0042	.0209

outliers (> = 2.5*st.dev)

2c0708	mean

WHM03	mean	stdev	skewness	kurtosis
mean	-.0069	.1464	1.2688	2.4736
std. dev.	.0084	.0168	.3317	1.2463

outliers (> = 2.5*st.dev)

DRO01	mean	stdev	skewness	kurtosis
mean	-.1077	1.2672	.0571	-.1277
std. dev.	.0353	.0023	.0049	.0238

outliers (> = 2.5*st.dev)

2c0708	mean

DRO02	mean	stdev	skewness	kurtosis
mean	-.0939	1.3622	.4653	.0613
std. dev.	.1327	.0042	.0122	.0685

outliers (> = 2.5*st.dev)

2c0506	stdev
2c0506	skewness
2c0708	mean
2c0708	kurtosis

DRO03	mean	stdev	skewness	kurtosis
mean	-.1959	1.3696	.8770	.3990
std. dev.	.2167	.0288	.0517	.5977

outliers (> = 2.5*st.dev)

2c0506	mean
2c0506	stdev
2c0506	kurtosis
2c0607	skewness

DRO04	mean	stdev	skewness	kurtosis
mean	-.1499	1.3538	.9967	.8040
std. dev.	.0462	.0077	.0140	.0277

outliers (> = 2.5*st.dev)

2c0708	mean

DRO05	mean	stdev	skewness	kurtosis
mean	-.1772	1.4198	.9152	.8397
std. dev.	.0550	.0154	.0295	.0457

outliers (> = 2.5*st.dev)

2c0708	mean

DRO06	mean	stdev	skewness	kurtosis
mean	-.1677	1.1970	.8701	.5616
std. dev.	.0409	.0378	.0149	.0503

outliers (> = 2.5*st.dev)

2c0102	skewness
2c0708	mean

DRO07	mean	stdev	skewness	kurtosis
mean	-.0460	.9990	1.0350	.9374
std. dev.	.0495	.0187	.0130	.0300

outliers (> = 2.5*st.dev)

2c0102	skewness
2c0708	mean

DRO08	mean	stdev	skewness	kurtosis
mean	.0023	1.0213	.7135	.1652
std. dev.	.1075	.0152	.0225	.1238

outliers (> = 2.5*st.dev)

2c0506	kurtosis

DRO09	mean	stdev	skewness	kurtosis
mean	.0813	.8697	.4956	.0257
std. dev.	.0371	.0169	.0273	.0566

outliers (> = 2.5*st.dev)

2c0102	skewness

DRO10	mean	stdev	skewness	kurtosis
mean	.4681	.6596	.2666	-4.8888
std. dev.	.0438	.0354	.0380	1.6445

outliers (> = 2.5*st.dev)

Test 2E

WHM03	mean	stdev	skewness	kurtosis
mean	-.0179	.2984	.7132	.3019
std. dev.	.0186	.0568	.2220	.2851

outliers (> = 2.5*st.dev)

DRO01	mean	stdev	skewness	kurtosis
mean	-.3079	2.5099	-.0978	-.3782
std. dev.	.0330	.0158	.0121	.0431

outliers (> = 2.5*st.dev)

2e0102	skewness
2e0102	kurtosis
2e0405	stdev

DRO02	mean	stdev	skewness	kurtosis
mean	-.3108	2.4919	.1047	-.6874
std. dev.	.1477	.0109	.0077	.1035

outliers (> = 2.5*st.dev)

2e0405	stdev

DRO03	mean	stdev	skewness	kurtosis
mean	-.2652	2.3762	.1944	-.9301
std. dev.	.2725	.0227	.0149	.2239

outliers (> = 2.5*st.dev)

2e0405	stdev
2e1700	kurtosis

DRO04	mean	stdev	skewness	kurtosis
mean	-.2332	2.2831	.2791	-.8229
std. dev.	.0378	.0149	.0100	.0306

outliers (> = 2.5*st.dev)

2e0405	stdev
2e0405	kurtosis
2e0910	mean

DRO05	mean	stdev	skewness	kurtosis
mean	-.2331	2.2814	.3666	-.7666
std. dev.	.0499	.0219	.0065	.0431

outliers (> = 2.5*st.dev)

2e0102	stdev
2e0203	skewness

DRO06	mean	stdev	skewness	kurtosis
mean	-.1264	1.9564	.4844	-.5068
std. dev.	.0471	.0172	.0133	.0539

outliers (> = 2.5*st.dev)

2e0405	stdev
2e0405	kurtosis

DRO07	mean	stdev	skewness	kurtosis
mean	-.0019	1.7558	.5159	-.3885
std. dev.	.0452	.0183	.0137	.0489

outliers (> = 2.5*st.dev)

2e0102	skewness
2e0102	kurtosis

DRO08	mean	stdev	skewness	kurtosis
mean	.0833	1.6356	.5007	-.4024
std. dev.	.0540	.0268	.0147	.0712

outliers (> = 2.5*st.dev)

2e0102	skewness

DRO09	mean	stdev	skewness	kurtosis
mean	.1151	1.6190	.5576	-.2737
std. dev.	.0328	.0311	.0213	.0637

outliers (> = 2.5*st.dev)

DRO10	mean	stdev	skewness	kurtosis
mean	.4005	1.2958	.5356	-.5714
std. dev.	.0713	.0513	.0175	.2331

outliers (> = 2.5*st.dev)

2e0708	skewness

Appendix E

Presentation of data omitted from the measurement data set

Presentation of data omitted from the measurement data set

0: no measurements
1: instrument not deployed
2: break down
3: above water level
4: burried
5: wandering offset
6: parameter not computed
7: series too short
8: other

1A0102		8	1B0607	WHM01	1	1B1010	DRO08	5
1A0203	WHM03	1	1B0607	WHM02	1	1B1102	WHM01	1
1A0304	WHM03 Hm0	6	1B0607	DRO01	1	1B1102	WHM02	1
1A0405	WHM03 Hm0	6	1B0607	DRO03	5	1B1213	WHM01	1
1A0405	EMF19	3	1B0607	EMF11	1	1B1213	WHM02	1
1A0506	WHM03 Hm0	6	1B0607	EMF13	1	1B1300	WHM01	1
1A0506	EMF19	3	1B0607	EMF15	1	1B1300	WHM02	1
1A0607	EMF19	3	1B0607	EMF17	1	1B1300	DRO03	5
1A0708	EMF19	3	1B0607	EMF19	1	1B1300	EMF11	1
1A0708	EMF17	3	1B0607	EMF111	1	1B1300	EMF13	1
1A0809	EMF19	3	1B0607	EMF113	1	1B1300	EMF15	1
1A0809	EMF17	3	1B0607	EMF115	1	1B1300	EMF17	1
1A0911	EMF19	3	1B0607	EMF117	1	1B1300	EMF19	1
1A0911	EMF17	3	1B0607	EMF119	1	1B1300	EMF111	1
1A1012	EMF19	3	1B0607	EMF211	1	1B1300	EMF113	1
1A1012	EMF17	3	1B0607	EMF213	1	1B1300	EMF115	1
1A1113	DRO08	5	1B0607	EMF215	1	1B1300	EMF117	1
1A1012	WHM01	7	1B0607	EMF217	1	1B1300	EMF119	1
1A1012	WHM02	7	1B0607	EMF219	1	1B1300	EMF211	1
1A1012	WHM03	7	1B0707	WHM01	1	1B1300	EMF213	1
1B0102	WHM01	1	1B0707	WHM02	1	1B1300	EMF215	1
1B0102	WHM02	1	1B0707	EMF17	3	1B1300	EMF217	1
1B0102	WHM03	1	1B0707	EMF19	3	1B1300	EMF219	1
1B0213	WHM01	1	1B0808	WHM01	1	1B1400	WHM01	1
1B0213	WHM02	1	1B0808	WHM02	1	1B1400	WHM02	1
1B0304	WHM01	1	1B0808	EMF19	3	1B1400	EMF11	1
1B0304	WHM02	1	1B0909	WHM01	1	1B1400	EMF13	1
1B0405	WHM01	1	1B0909	WHM02	1	1B1400	EMF15	1
1B0405	WHM02	1	1B0909	EMF19	3	1B1400	EMF17	1
1B0405	EMF19	3	1B0909	EMF17	3	1B1400	EMF19	1
1B0506	WHM01	1	1B1010	WHM01	1	1B1400	EMF111	1
1B0506	WHM02	1	1B1010	WHM02	1	1B1400	EMF113	1
1B0606	EMF17	3	1B1010	EMF19	3	1B1400	EMF115	1
1B0506	EMF19	3	1B1010	EMF17	3	1B1400	EMF117	1
1B0506	DRO01	5	1B1010	EMF15	3	1B1400	EMF119	1

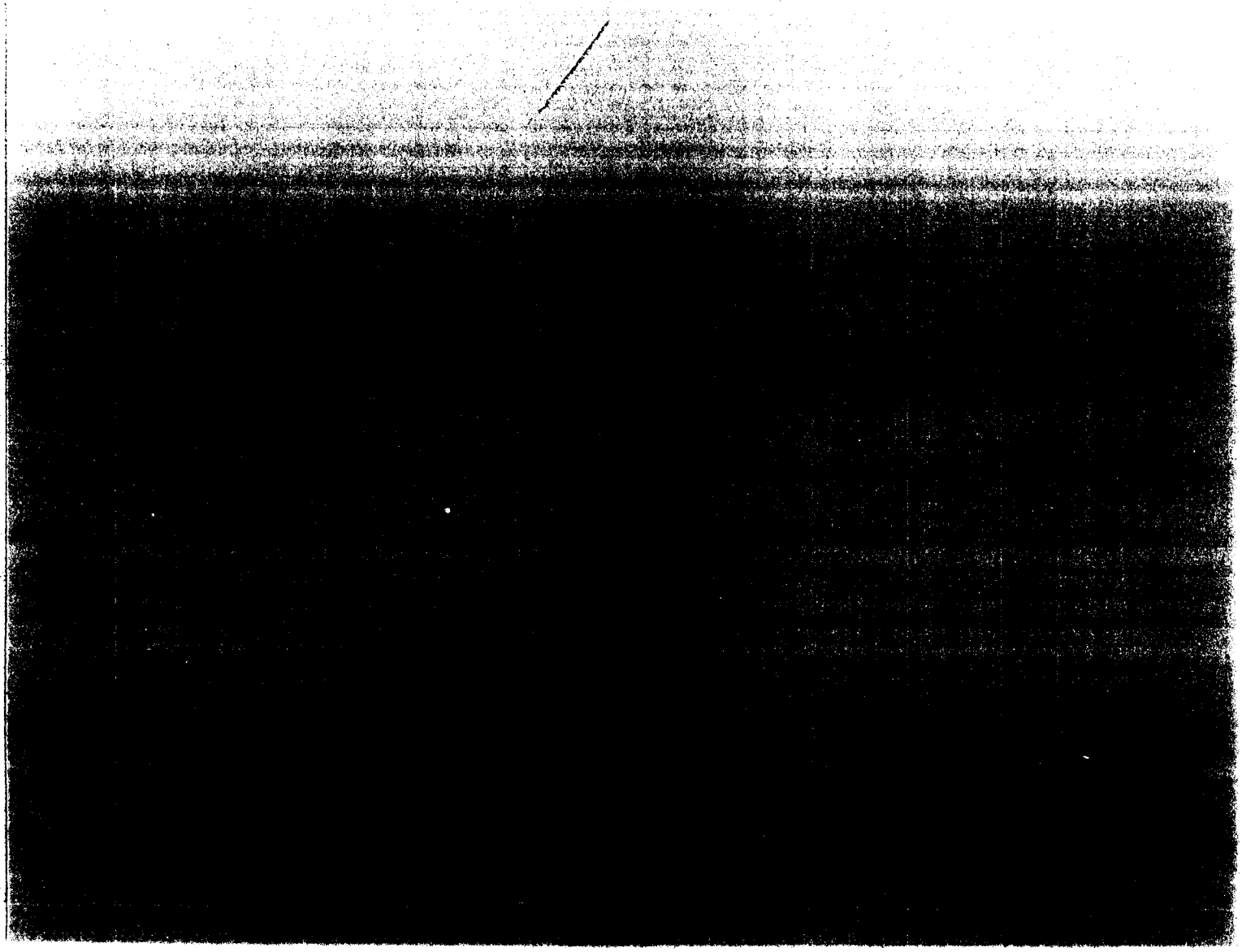
1B1400 EMF211	1	1C1300 EMF15	1	2B0809 EMF19	3
1B1400 EMF213	1	1C1300 EMF17	1	2B0809 EMF17	3
1B1400 EMF215	1	1C1300 EMF19	1	2B0910 WHM01	1
1B1400 EMF217	1	1C1300 EMF111	1	2B0910 WHM02	1
1B1400 EMF219	1	1C1300 EMF113	1	2B0910 EMF19	3
1B1504 WHM01	1	1C1300 EMF115	1	2B0910 EMF17	3
1B1504 WHM02	1	1C1300 EMF117	1	2B0910 EMF15	3
1B1605 WHM01	1	1C1300 EMF119	1	2B1002 WHM01	1
1B1605 WHM02	1	1C1300 EMF211	1	2B1002 WHM02	1
1B1605 EMF19	3	1C1300 EMF213	1	2B1100 WHM01	1
1B1706 WHM01	1	1C1300 EMF215	1	2B1100 WHM02	1
1B1706 WHM02	1	1C1300 EMF217	1	2B1100 WHM03	1
1B1706 EMF19	3	1C1300 EMF219	1	2B1100 EMF11	1
1C0102 EMF17	3	2A0002	0	2B1100 EMF13	1
1C0204 EMF17	3	2A0405 DRO03	5	2B1100 EMF15	1
1C0204 DRO08	4	2A0405 EMF19	3	2B1100 EMF17	1
1C0313 EMF17	3	2A0506 EMF19	3	2B1100 EMF19	1
1C0405 EMF17	3	2A0607 DRO03	5	2B1100 EMF111	1
1C0405 EMF19	3	2A0607 EMF19	3	2B1100 EMF113	1
1C0615 EMF19	3	2A0708 WHM03	2	2B1100 EMF115	1
1C0706 EMF19	3	2A0708 DRO03	5	2B1100 EMF117	1
1C0706 EMF17	3	2A0708 EMF19	3	2B1100 EMF119	1
1C0807 EMF19	3	2A0708 EMF17	3	2B1100 EMF211	1
1C0807 DRO08	4	2A0809 EMF19	3	2B1100 EMF213	1
1C0908 EMF19	3	2A0809 EMF17	3	2B1100 EMF215	1
1C1009 EMF19	3	2A0910 EMF19	3	2B1100 EMF217	1
1C1009 EMF17	3	2A0910 EMF17	3	2B1100 EMF219	1
1C1009 EMF15	3	2A0910 EMF15	3	2B1200 WHM01	1
1C1110 EMF19	3	2A1205 EMF19	3	2B1200 WHM02	1
1C1110 EMF17	3	2B0102 WHM01	1	2B1200 WHM03	1
1C1200 EMF11	1	2B0102 WHM02	1	2B1200 EMF11	1
1C1200 DRO03	5	2B0203 WHM01	1	2B1200 EMF13	1
1C1200 EMF13	1	2B0203 WHM02	1	2B1200 EMF15	1
1C1200 EMF15	1	2B0304 WHM01	1	2B1200 EMF17	1
1C1200 EMF17	1	2B0304 WHM02	1	2B1200 EMF19	1
1C1200 EMF19	1	2B0405 WHM01	1	2B1200 EMF111	1
1C1200 EMF111	1	2B0405 WHM02	1	2B1200 EMF113	1
1C1200 EMF113	1	2B0405 EMF19	3	2B1200 EMF115	1
1C1200 EMF115	1	2B0506 WHM01	1	2B1200 EMF117	1
1C1200 EMF117	1	2B0506 WHM02	1	2B1200 EMF119	1
1C1200 EMF119	1	2B0506 EMF19	3	2B1200 EMF211	1
1C1200 EMF211	1	2B0607 WHM01	1	2B1200 EMF213	1
1C1200 EMF213	1	2B0607 WHM02	1	2B1200 EMF215	1
1C1200 EMF215	1	2B0607 EMF19	3	2B1200 EMF217	1
1C1200 EMF217	1	2B0708 WHM01	1	2B1200 EMF219	1
1C1200 EMF219	1	2B0708 WHM02	1	2E0102 WHM01	1
1C1300 DRO03	5	2B0708 EMF19	3	2E0102 WHM02	1
1C1300 EMF11	1	2B0809 WHM01	1	2E0203 DRO02	5
1C1300 EMF13	1	2B0809 WHM02	1	2E0203 DRO03	5

2E0203 WHM01	1	2E1300 EMF213	1	2E1600 EMF119	1
2E0203 WHM02	1	2E1300 EMF215	1	2E1600 EMF211	1
2E0304 WHM01	1	2E1300 EMF217	1	2E1600 EMF213	1
2E0304 WHM02	1	2E1300 EMF219	1	2E1600 EMF215	1
2E0405 WHM01	1	2E1400 WHM01	1	2E1600 EMF217	1
2E0405 WHM02	1	2E1400 WHM02	1	2E1600 EMF219	1
2E0405 DRO10	4	2E1400 EMF11	1	2E1700 WHM01	1
2E0506 WHM01	1	2E1400 EMF13	1	2E1700 WHM02	1
2E0506 WHM02	1	2E1400 EMF15	1	2E1700 EMF11	1
2E0506 DRO02	5	2E1400 EMF17	1	2E1700 EMF13	1
2E0506 DRO03	5	2E1400 EMF19	1	2E1700 EMF15	1
2E0506 DRO10	4	2E1400 EMF111	1	2E1700 EMF17	1
2E0607 WHM01	1	2E1400 EMF113	1	2E1700 EMF19	1
2E0607 WHM02	1	2E1400 EMF115	1	2E1700 EMF111	1
2E0607 DRO10	4	2E1400 EMF117	1	2E1700 EMF113	1
2E0708 WHM01	1	2E1400 EMF119	1	2E1700 EMF115	1
2E0708 WHM02	1	2E1400 EMF211	1	2E1700 EMF117	1
2E0708 DRO03	5	2E1400 EMF213	1	2E1700 EMF119	1
2E0708 DRO10	4	2E1400 EMF215	1	2E1700 EMF211	1
2E0809 WHM01	1	2E1400 EMF217	1	2E1700 EMF213	1
2E0809 WHM02	1	2E1400 EMF219	1	2E1700 EMF215	1
2E0809 DRO10	4	2E1500 WHM01	1	2E1700 EMF217	1
2E0809 EMF17	3	2E1500 WHM02	1	2E1700 EMF219	1
2E0809 EMF19	3	2E1500 EMF11	1	2E1800 WHM01	1
2E0910 WHM01	1	2E1500 EMF13	1	2E1800 WHM02	1
2E0910 WHM02	1	2E1500 EMF15	1	2E1800 EMF11	1
2E0910 DRO10	4	2E1500 EMF17	1	2E1800 EMF13	1
2E0910 EMF19	3	2E1500 EMF19	1	2E1800 EMF15	1
2E0910 EMF17	3	2E1500 EMF111	1	2E1800 EMF17	1
2E0910 EMF15	3	2E1500 EMF113	1	2E1800 EMF19	1
2E1007 WHM01	1	2E1500 EMF115	1	2E1800 EMF111	1
2E1007 WHM02	1	2E1500 EMF117	1	2E1800 EMF113	1
2E1113 WHM01	1	2E1500 EMF119	1	2E1800 EMF115	1
2E1113 WHM02	1	2E1500 EMF211	1	2E1800 EMF117	1
2E1213 WHM01	1	2E1500 EMF213	1	2E1800 EMF119	1
2E1213 WHM02	1	2E1500 EMF215	1	2E1800 EMF211	1
2E1300 WHM01	1	2E1500 EMF217	1	2E1800 EMF213	1
2E1300 WHM02	1	2E1500 EMF219	1	2E1800 EMF215	1
2E1300 EMF11	1	2E1600 WHM01	1	2E1800 EMF217	1
2E1300 EMF13	1	2E1600 WHM02	1	2E1800 EMF219	1
2E1300 EMF15	1	2E1600 EMF11	1	2C0405 EMF19	3
2E1300 EMF17	1	2E1600 EMF13	1	2C0506 EMF19	3
2E1300 EMF19	1	2E1600 EMF15	1	2C0506 EMF17	3
2E1300 EMF111	1	2E1600 EMF17	1	2C0506 DRO03	5
2E1300 EMF113	1	2E1600 EMF19	1	2C0506 DRO08	5
2E1300 EMF115	1	2E1600 EMF111	1	2C0607 EMF19	3
2E1300 EMF117	1	2E1600 EMF113	1	2C0607 EMF17	3
2E1300 EMF119	1	2E1600 EMF115	1	2C0607 DRO08	5
2E1300 EMF211	1	2E1600 EMF117	1	2C0708 EMF19	3

2C0708	DRO02	5	2C1100	EMF219	1
2C0708	DRO03	5	2C1200	EMF11	1
2C0809	EMF19	3	2C1200	EMF13	1
2C0809	EMF17	3	2C1200	EMF15	1
2C0809	EMF15	3	2C1200	EMF17	1
2C0900	EMF11	1	2C1200	EMF19	1
2C0900	EMF13	1	2C1200	EMF111	1
2C0900	EMF15	1	2C1200	EMF113	1
2C0900	EMF17	1	2C1200	EMF115	1
2C0900	EMF19	1	2C1200	EMF117	1
2C0900	EMF111	1	2C1200	EMF119	1
2C0900	EMF113	1	2C1200	EMF211	1
2C0900	EMF115	1	2C1200	EMF213	1
2C0900	EMF117	1	2C1200	EMF215	1
2C0900	EMF119	1	2C1200	EMF217	1
2C0900	EMF211	1	2C1200	EMF219	1
2C0900	EMF213	1	2C1300		0
2C0900	EMF215	1	2C1400		0
2C0900	EMF217	1	2C1500		0
2C0900	EMF219	1	2C1600		0
2C1000	EMF11	1	2C1700		0
2C1000	EMF13	1	2C1800		0
2C1000	EMF15	1	2C1900		0
2C1000	EMF17	1	2C2000		0
2C1000	EMF19	1	2C2100	DRO02	5
2C1000	EMF111	1	2C2100	DRO03	5
2C1000	EMF113	1	2C2100	DRO08	5
2C1000	EMF115	1	2C2100	EMF11	1
2C1000	EMF117	1	2C2100	EMF13	1
2C1000	EMF119	1	2C2100	EMF15	1
2C1000	EMF211	1	2C2100	EMF17	1
2C1000	EMF213	1	2C2100	EMF19	1
2C1000	EMF215	1	2C2100	EMF111	1
2C1000	EMF217	1	2C2100	EMF113	1
2C1000	EMF219	1	2C2100	EMF115	1
2C1100	EMF11	1	2C2100	EMF117	1
2C1100	EMF13	1	2C2100	EMF119	1
2C1100	EMF15	1	2C2100	EMF211	1
2C1100	EMF17	1	2C2100	EMF213	1
2C1100	EMF19	1	2C2100	EMF215	1
2C1100	EMF111	1	2C2100	EMF217	1
2C1100	EMF113	1	2C2100	EMF219	1
2C1100	EMF115	1			
2C1100	EMF117	1			
2C1100	EMF119	1			
2C1100	EMF211	1			
2C1100	EMF213	1			
2C1100	EMF215	1			
2C1100	EMF217	1			

Appendix F

Example of data for wave propagation model



Example of data for wave propagation model

```
* Hrms wave height 2B0203
* fp  Hrms/Hm0
BL0
     2     1
      .200
      .707
*   x       depth      SWL
BL1
   369     3
         --       Profile data at 0.5 m intervals      --
*     X [m]     Hm0 [m]
BL2
    11     2
    20.0000      1.3897
    20.0000      1.4173
    65.0000      1.2998
   100.0000      1.0497
   115.0000       .9524
   130.0000       .8646
   138.0000       .7176
   145.0000       .5808
   152.0000       .5427
   160.0000       .5056
   170.0000       .4118
```

Appendix G

Example of data for return flow model

Example of data for return flow model

```
* Return flow  2A0203
*   Hrms      TpD         D50     Hrip Qb-meas  Qb-est Ust-dev     Diss        h
*    [m]      [s]         [m]      [m]     [-]     [-]   [m/s]  [W/m2]      [m]
BL01
   1   9
    .647   5.005     .000200     .004            .074    .412  13.913    1.681
*   Zrel     Zabs    Umean
*    [m]      [m]    [m/s]
BL02
   5   3
    .100   2.520    -.032
    .200   2.620    -.043
    .400   2.820    -.036
    .700   3.120    -.025
   1.100   3.420    -.054
```

Appendix H

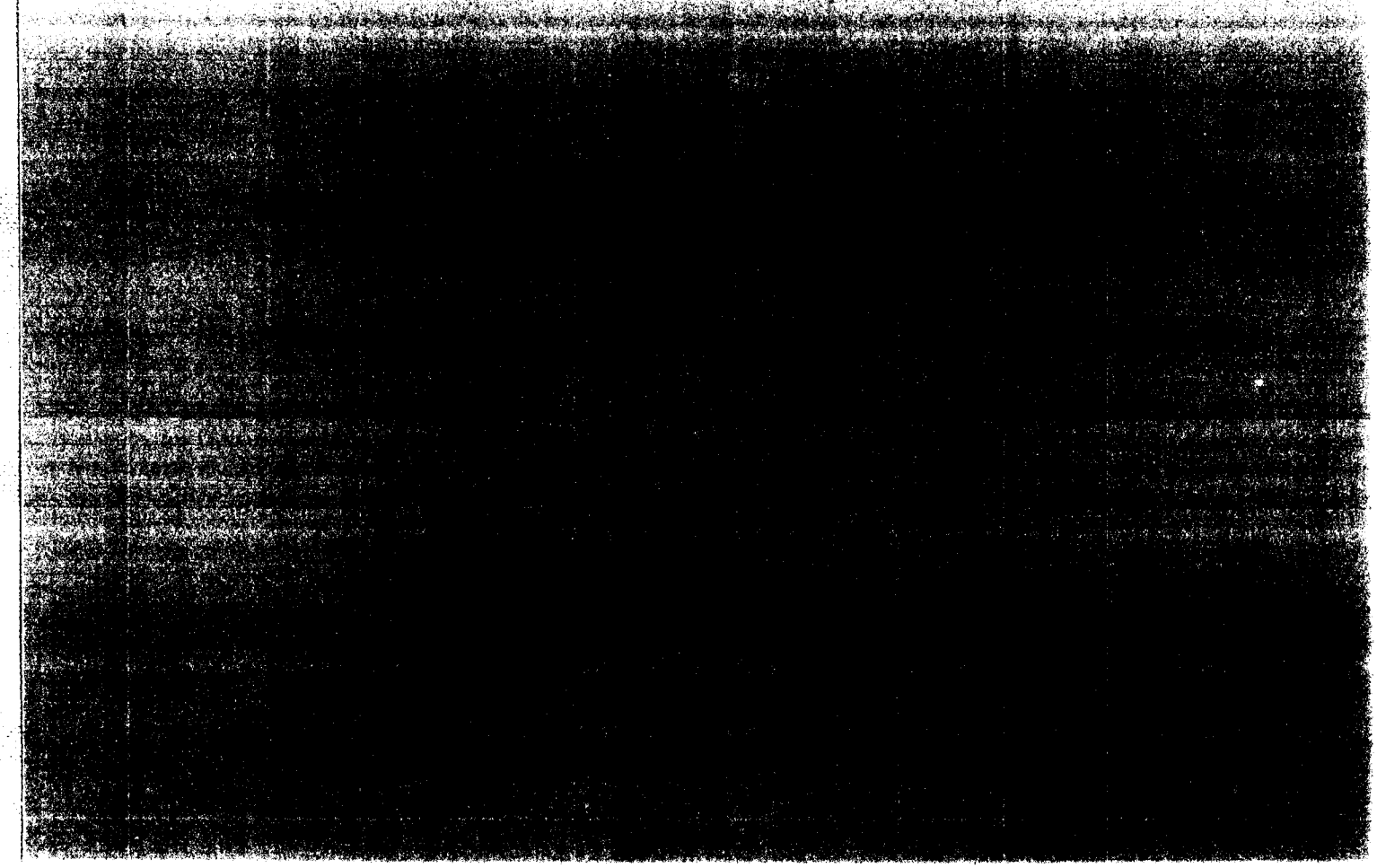
Example of data for sediment concentration model

Example of data for sediment concentration model

```
* Concentration  2B0203
*  Umean Ust-dev        D50        D90    Hrip       h    Diss
*  [m/s]   [m/s]        [m]        [m]     [m]     [m]  [W/m2]
BL01
   1   7
   -.133    .463    .000200    .000247    .003   1.826  46.169
*   Zrel    Zabs   Conc.
*    [m]     [m]  [gr/l]
BL02
  10   3
    .050   2.360    .218
    .075   2.385    .228
    .100   2.410    .186
    .130   2.440    .205
    .180   2.490    .218
    .255   2.565    .125
    .400   2.710    .119
    .650   2.960    .077
   1.050   3.360    .084
   1.550   3.860    .071
```

Appendix I

Example of data for velocity moments



Example of data for velocity moments

```
* Velocity moments  2B0203
*   Hrms      TpD        h Ust-dev   Qb est.  Qb m.      guss        guls
*    [m]      [s]      [m]   [m/s]     [-]     [-]      [m/s]       [m/s]
BL01
   1   8
    .742   5.022   1.826    .463    .056           .055386   -.002372
```

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