

Results of Analyses of Mizuho 700 m Ice Core, East Antarctica
Part 1. $\delta^{18}\text{O}$, Microparticles, ECM (Acidity), pH, Major Ions

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In 1983 - 1984, glaciological survey parties of the 24th and 25th Japanese Antarctic Research Expedition (JARE) carried out ice-coring down to a depth 700.56 m at Mizuho Station ($77^{\circ}42'S$, $44^{\circ}20'E$, 2230 m a. s. l.), East Antarctica. The results of core analysis by many investigators were published in many journals (see references), but they dealt mainly with the physical analysis of core. This volume presents the data of $\delta^{18}\text{O}$, microparticles, ECM (acidity), pH and major ions.

Analytical Procedures

The diameter of ice core was 12 cm. The intervals of 4 - 6 cm depth (corresponding to annual accumulation rate) were cut by a band saw. Surface contamination was removed by cutting 2 - 3 mm surface layer and rinsing a deionized and filtered water. The cleaned samples were placed in a precleaned teflon cup, melted in a microwave oven, and analyzed or divided into bottles in class 10000 clean room at National Institute of Polar Research in Tokyo. Major analytical components and core analytical procedure are shown in Figs. 1 and 2. Method and sampling frequency are summarized in Table 1.

In the figures of component values, solid line indicates one meter average data and dots are the values of about 5 cm thick samples. But $\delta^{18}\text{O}$ was analyzed only for the mixed samples in Fig. 2. The top and bottom of core depth, mean value, maximum value, minimum value, and total sample number are summarized in Table.

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Table 1. Method of analysis and sampling frequency.

Component	Method	Frequency	Remarks
$\delta^{18}O$	Mass spectrometer (Finnigan Mat delta-E)	50cm/20m	
Micro- particles	Particle counter (Coulter Counter Model TA-II)	50cm/2m	0.63 - 16 μm
ECM (D.C. con- ductivity)	1250V D.C.	continuous	
Electrical conductivity	(DKK Model AOC-10)	50cm/20m	
pH	(TOA HM-60S)	50cm/20m	
Major ion	Chromatography (Dionex 2000i/sp)	50cm/20m	Cl^- , NO_3^- , SO_4^{2-} Na^+ , K^+ , Mg^{2+} , Ca^{2+}

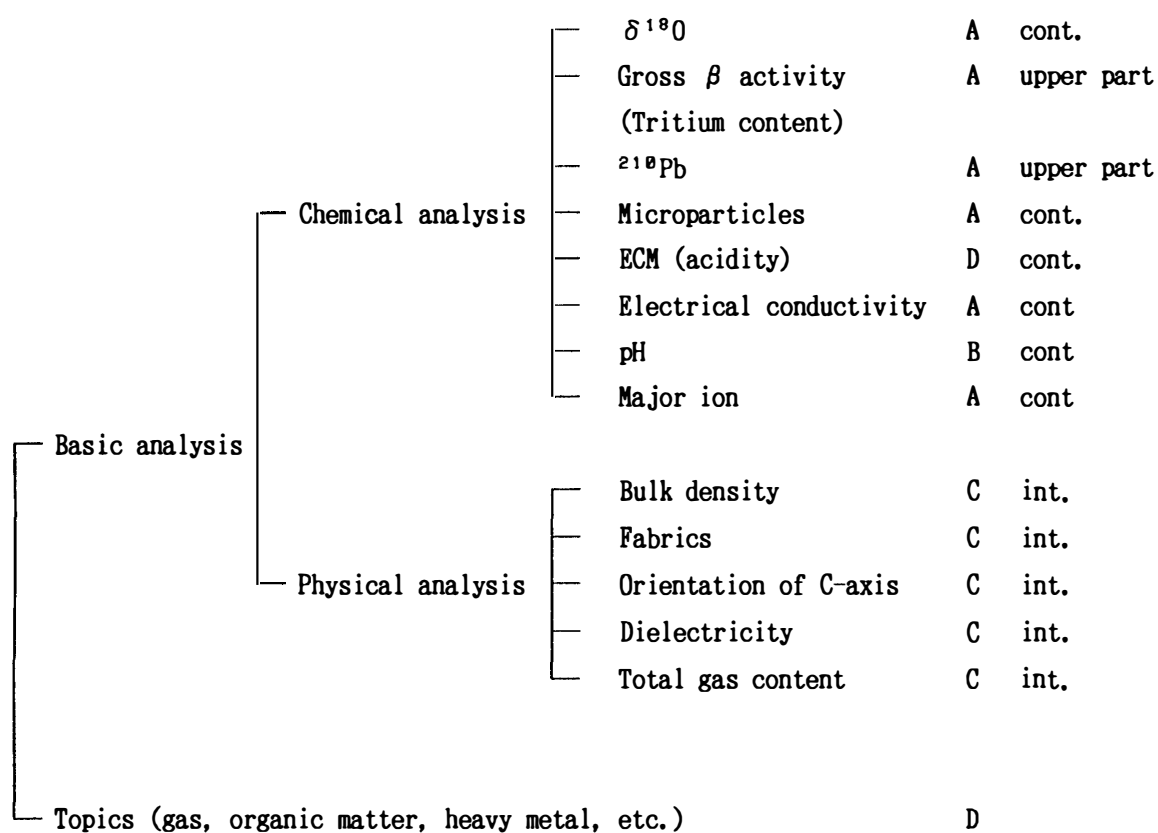


Fig. 1. Analytical components.

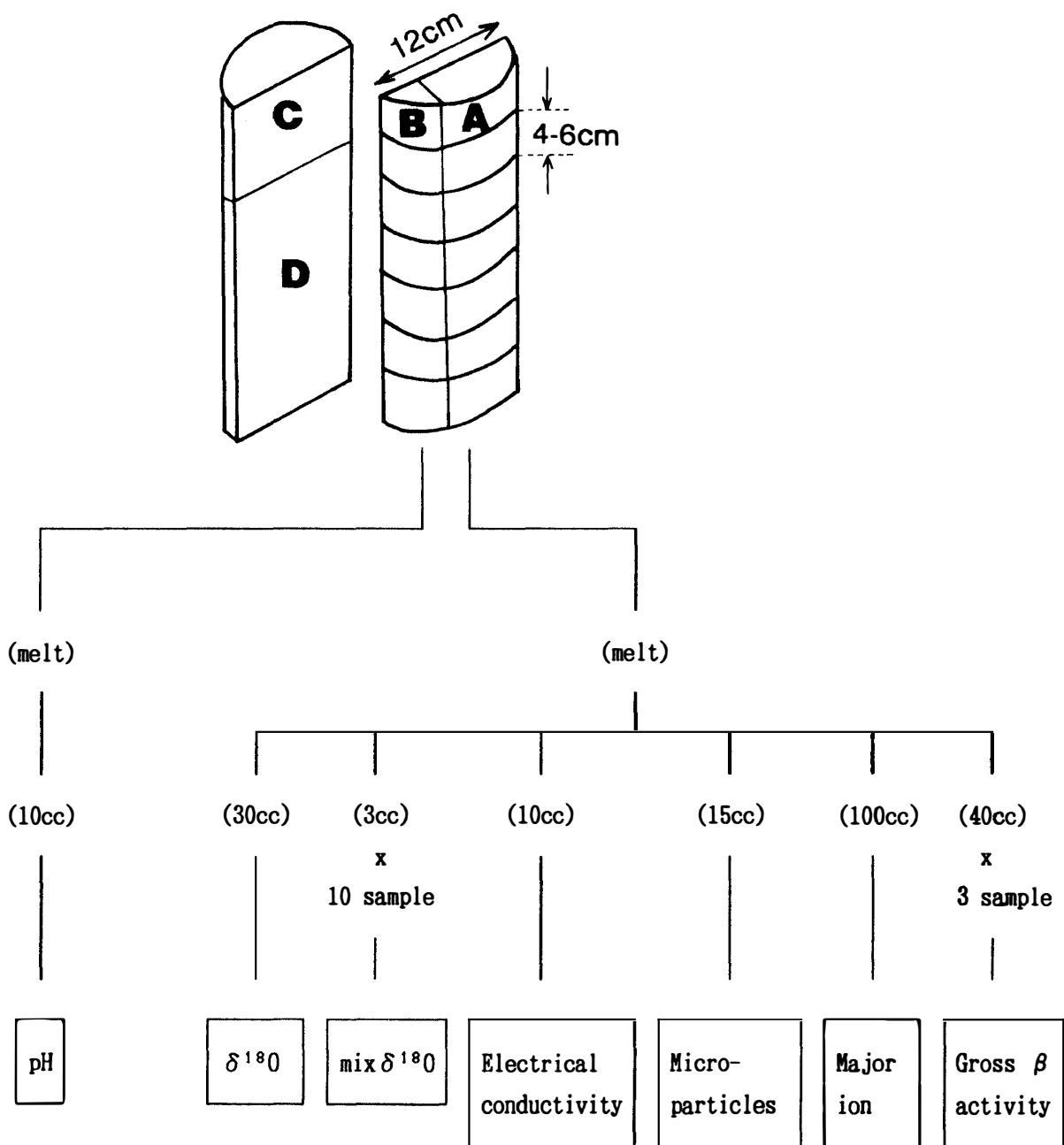
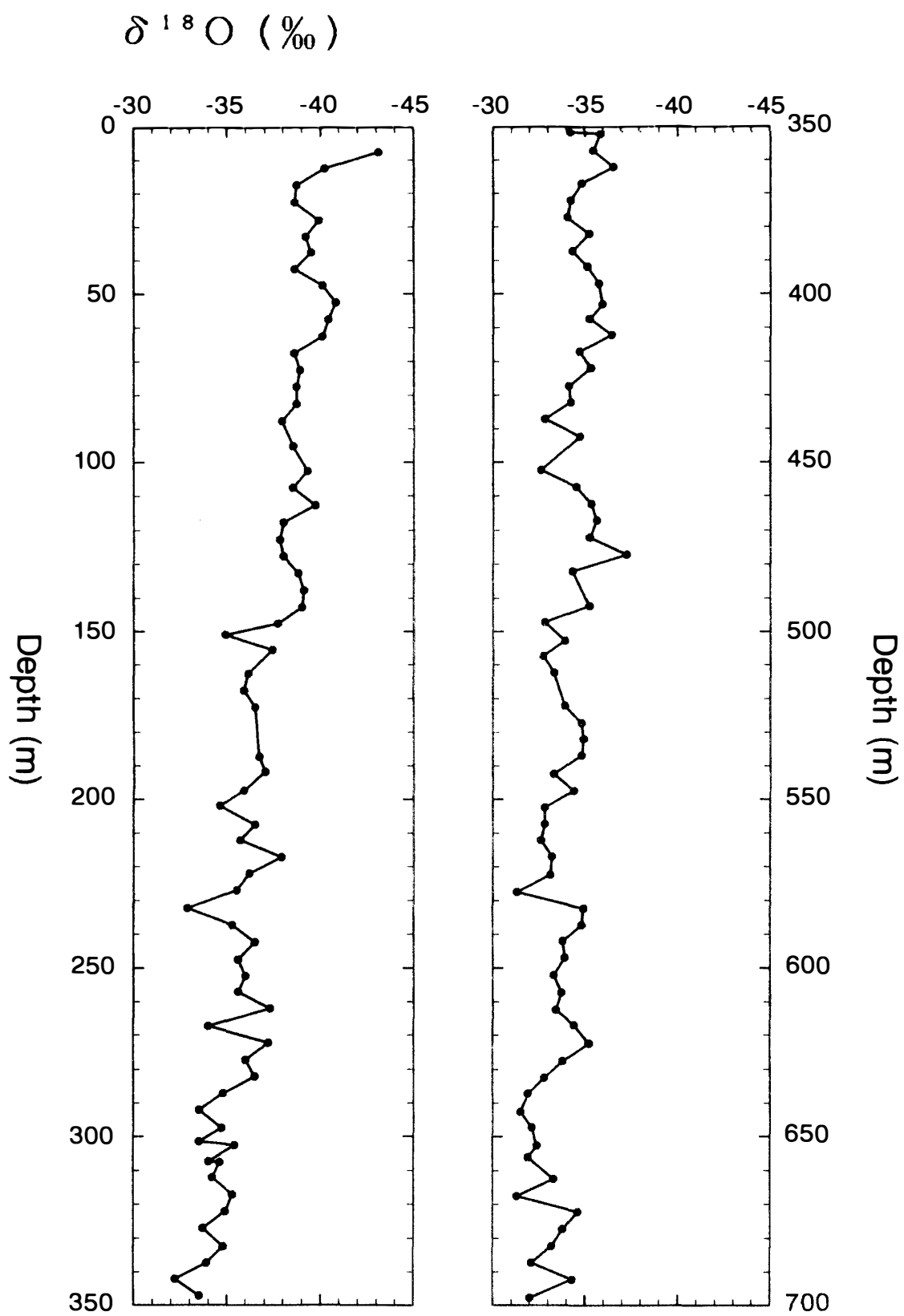
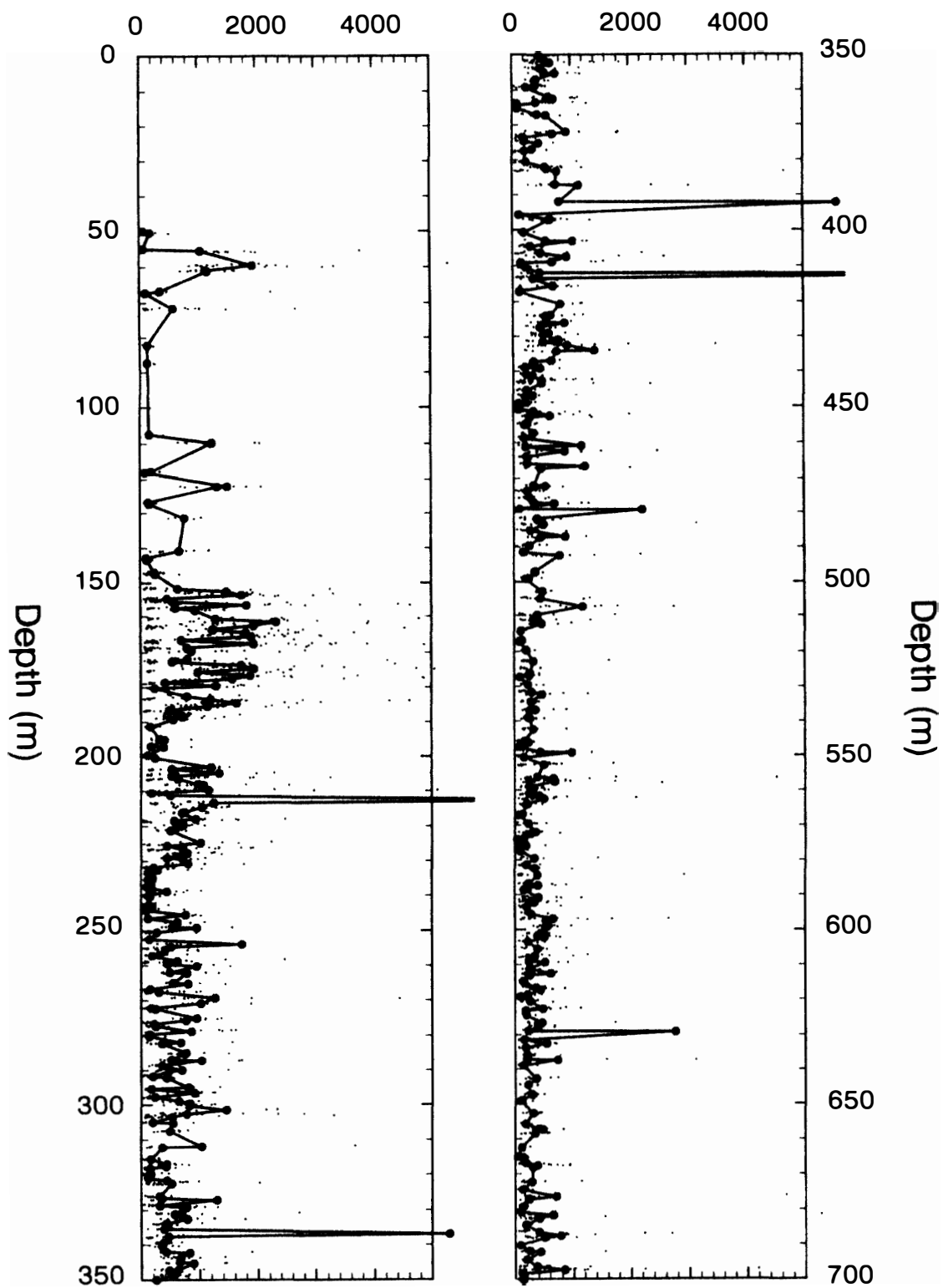


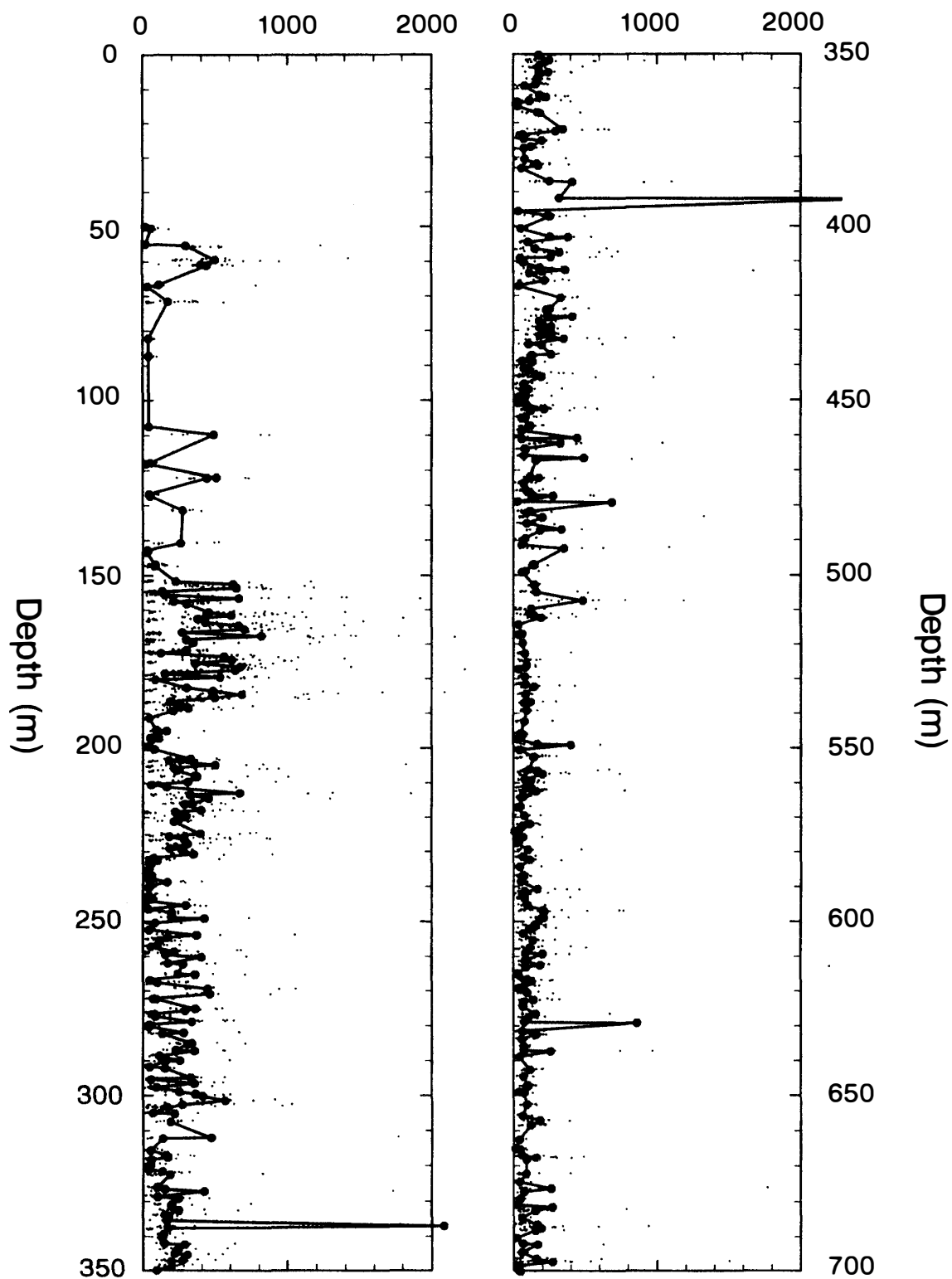
Fig. 2. Schema of core cutting and melt procedure.



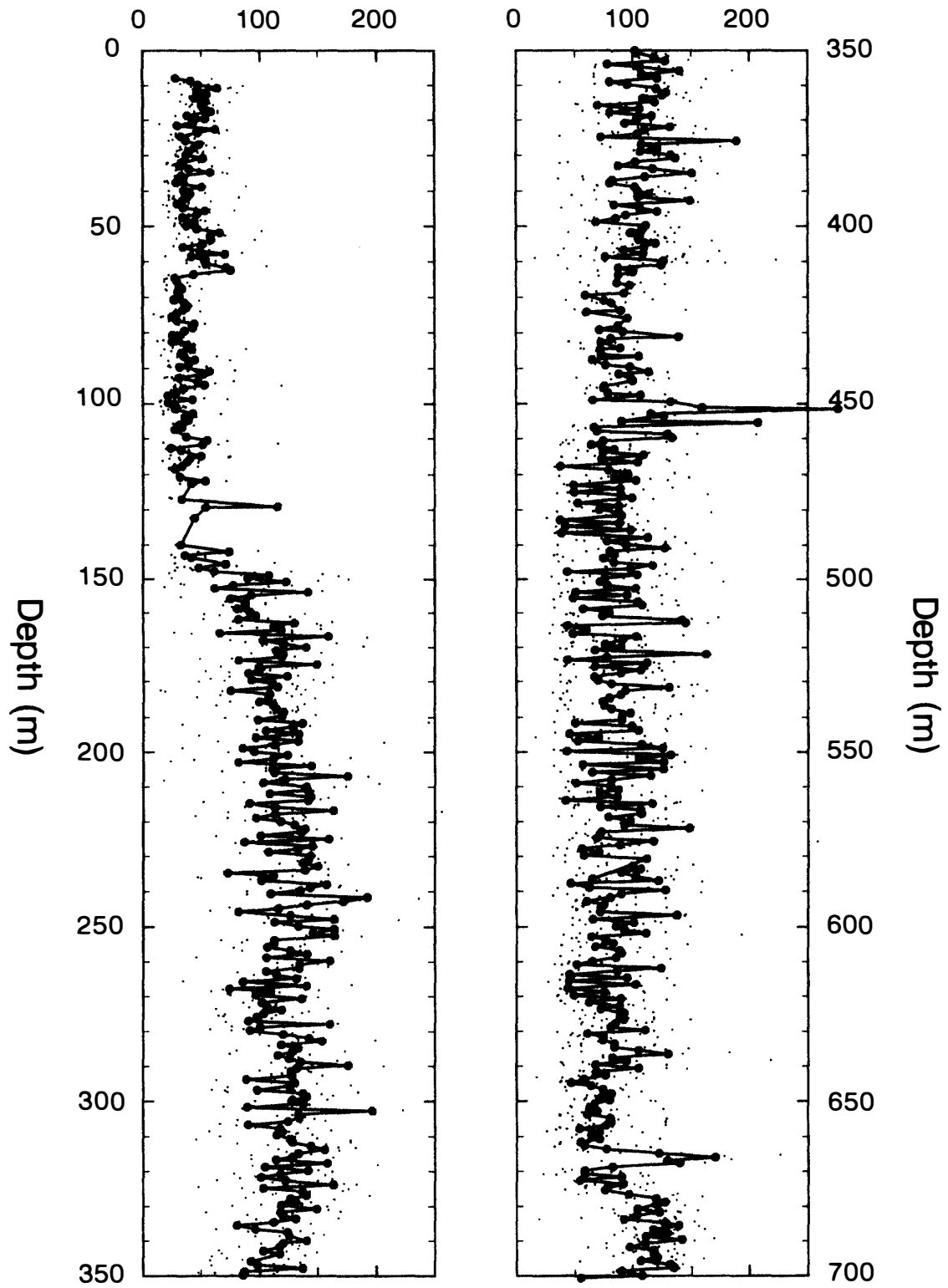
Microparticle 0.63~16 μ m (0.05ml)



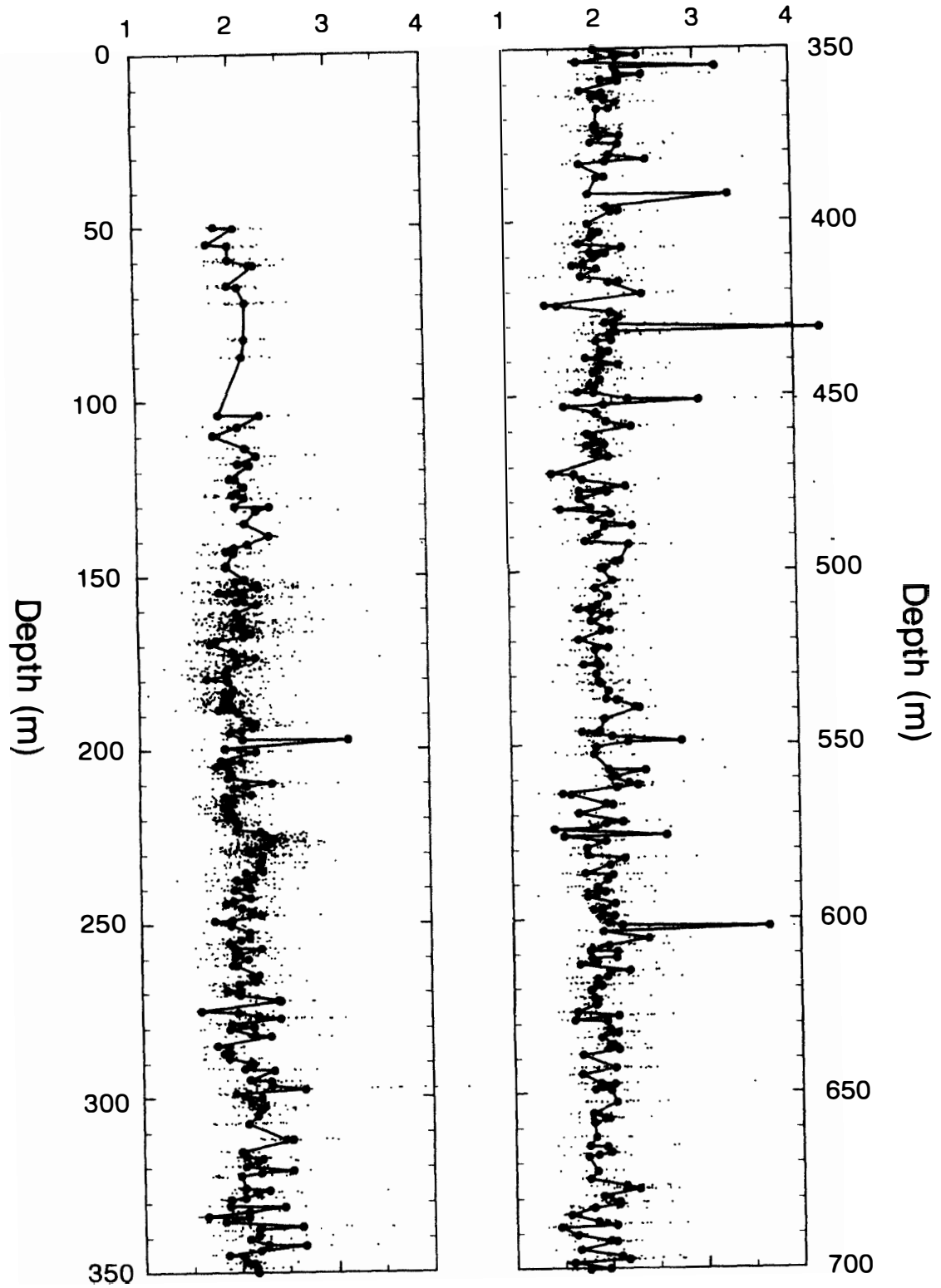
Microparticle 1~16 μ m (0.05ml)

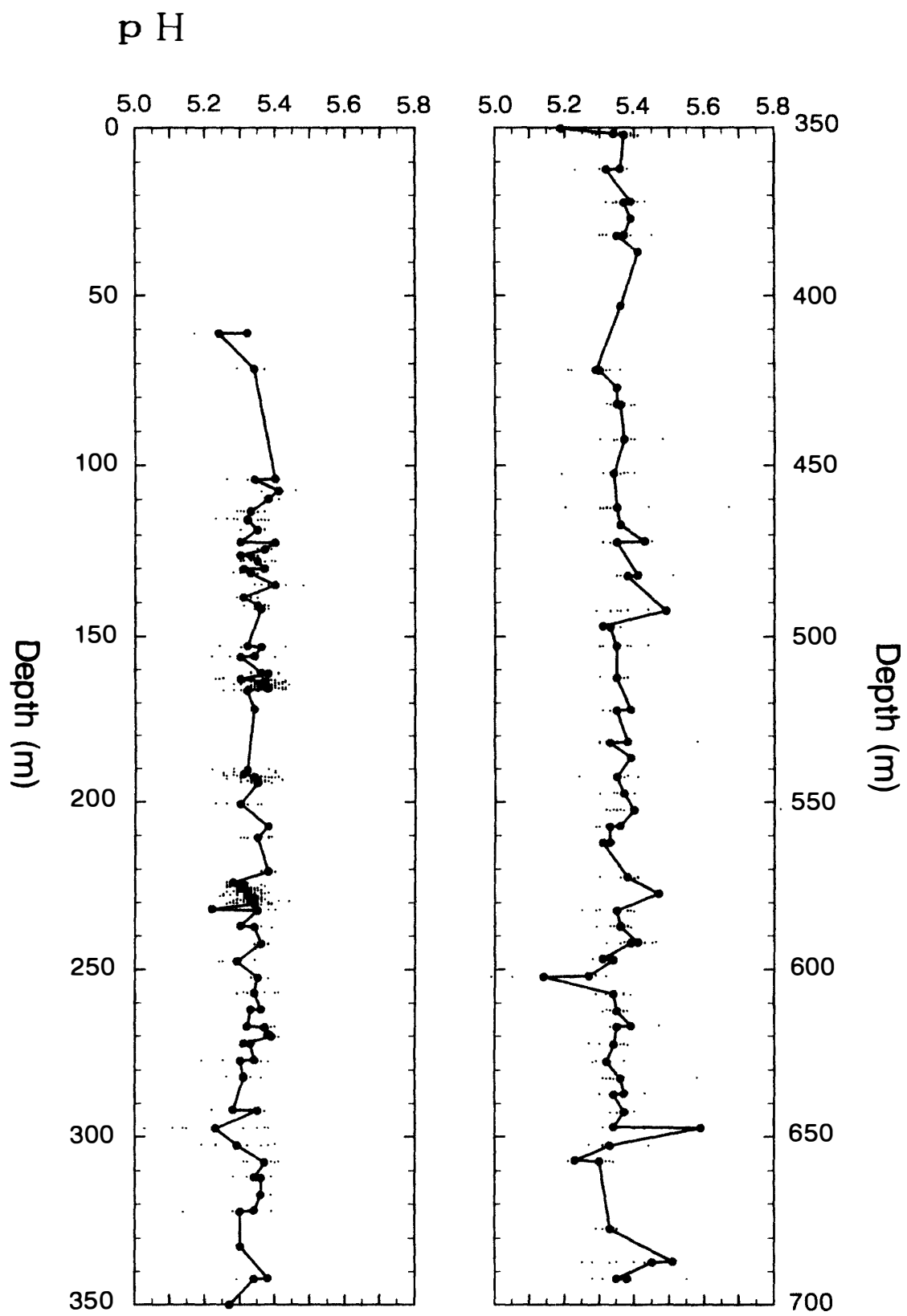


ECM (Value of maximum signal in a core)

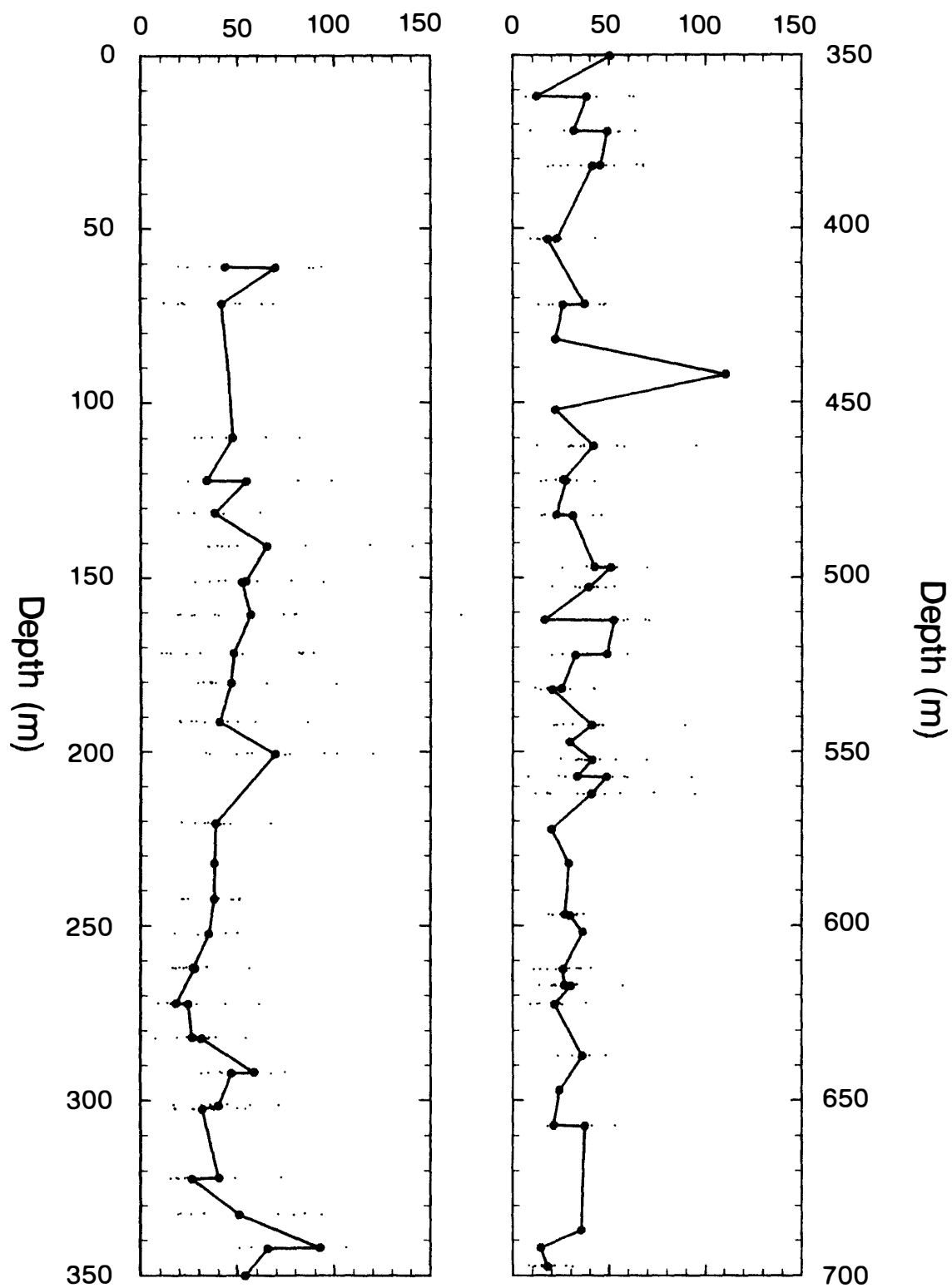


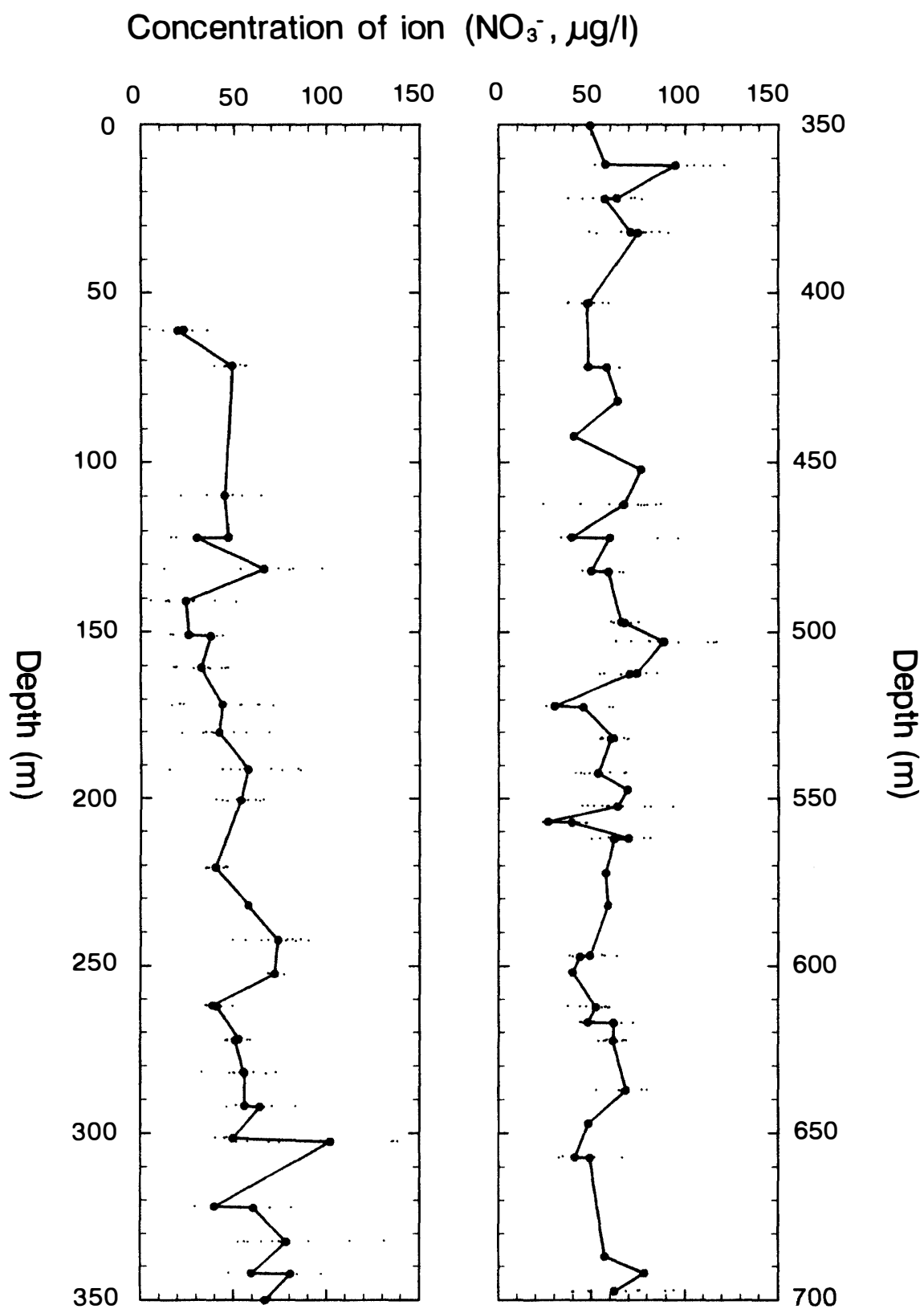
Electrical Conductivity (liquid, $\mu\text{S}/\text{cm}$)

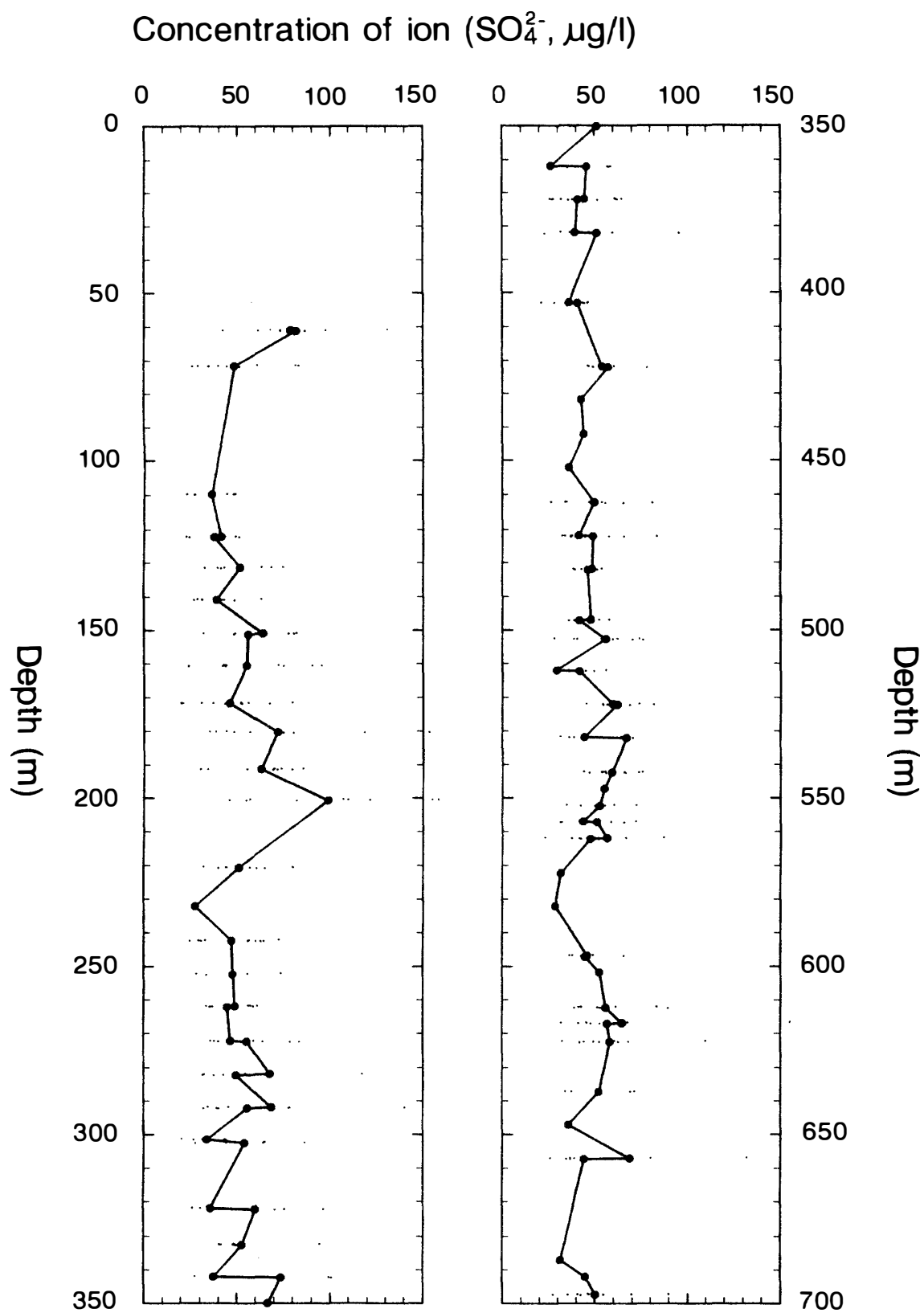




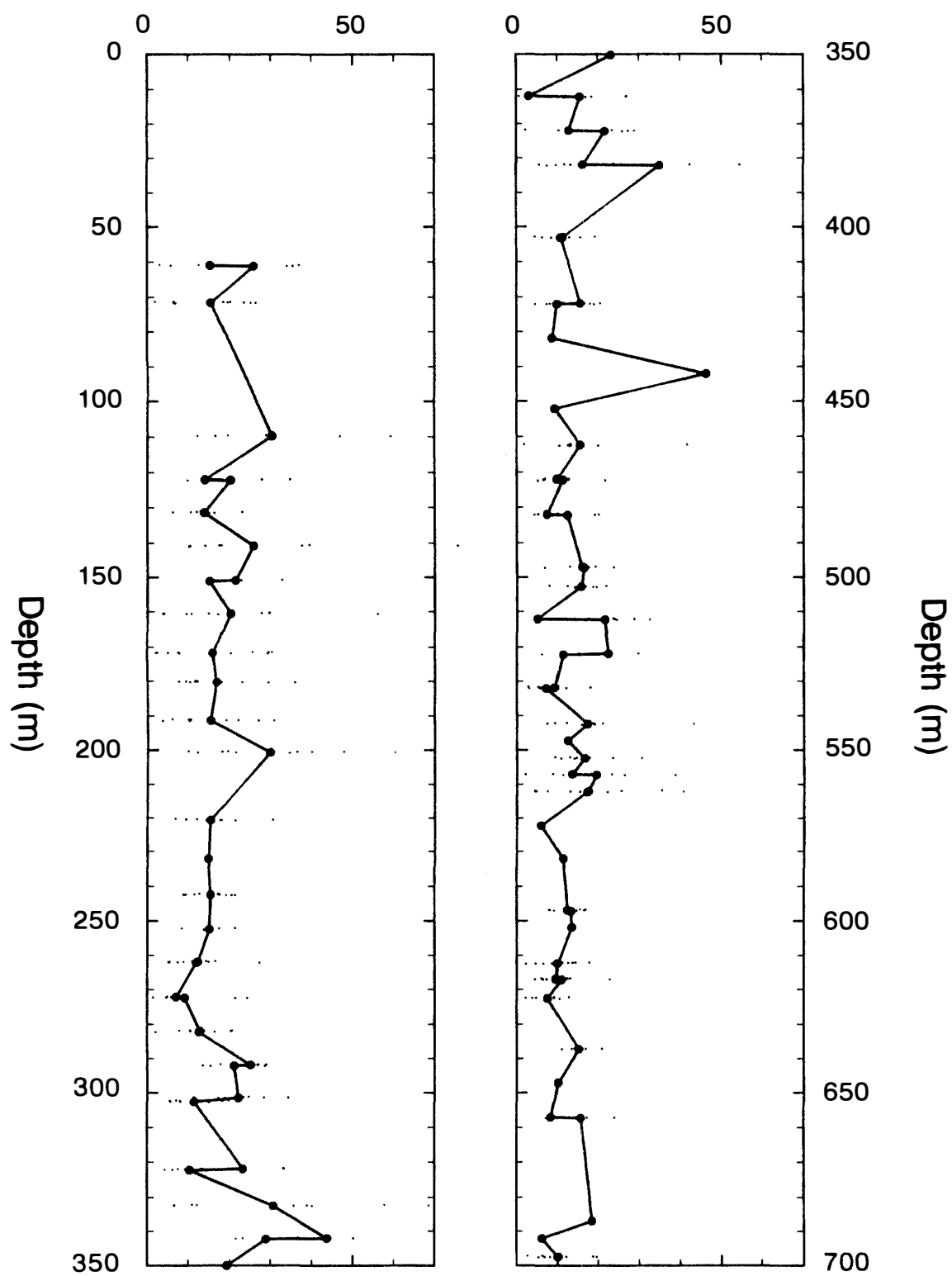
Concentration of ion (Cl^- , $\mu\text{g/l}$)



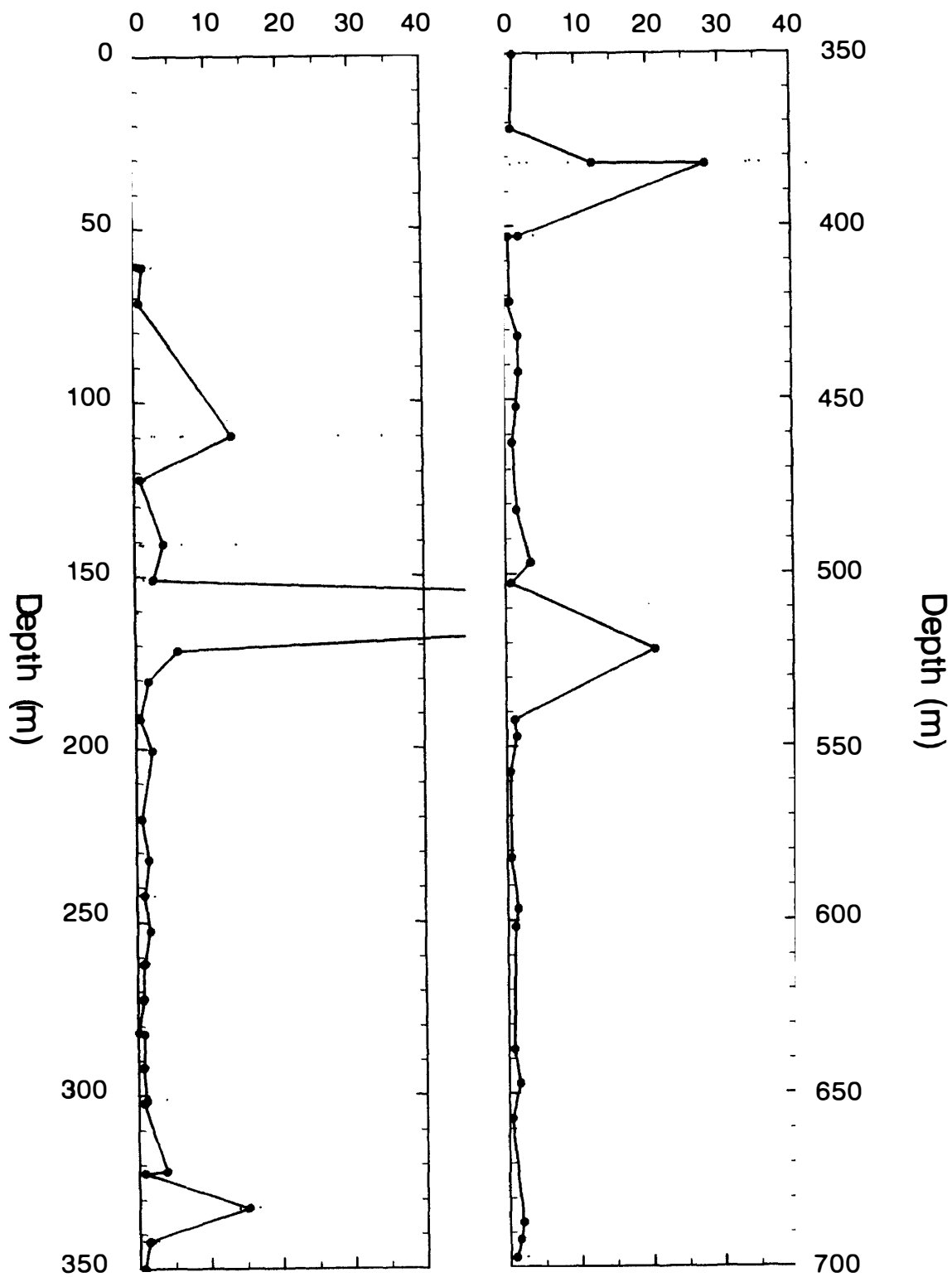




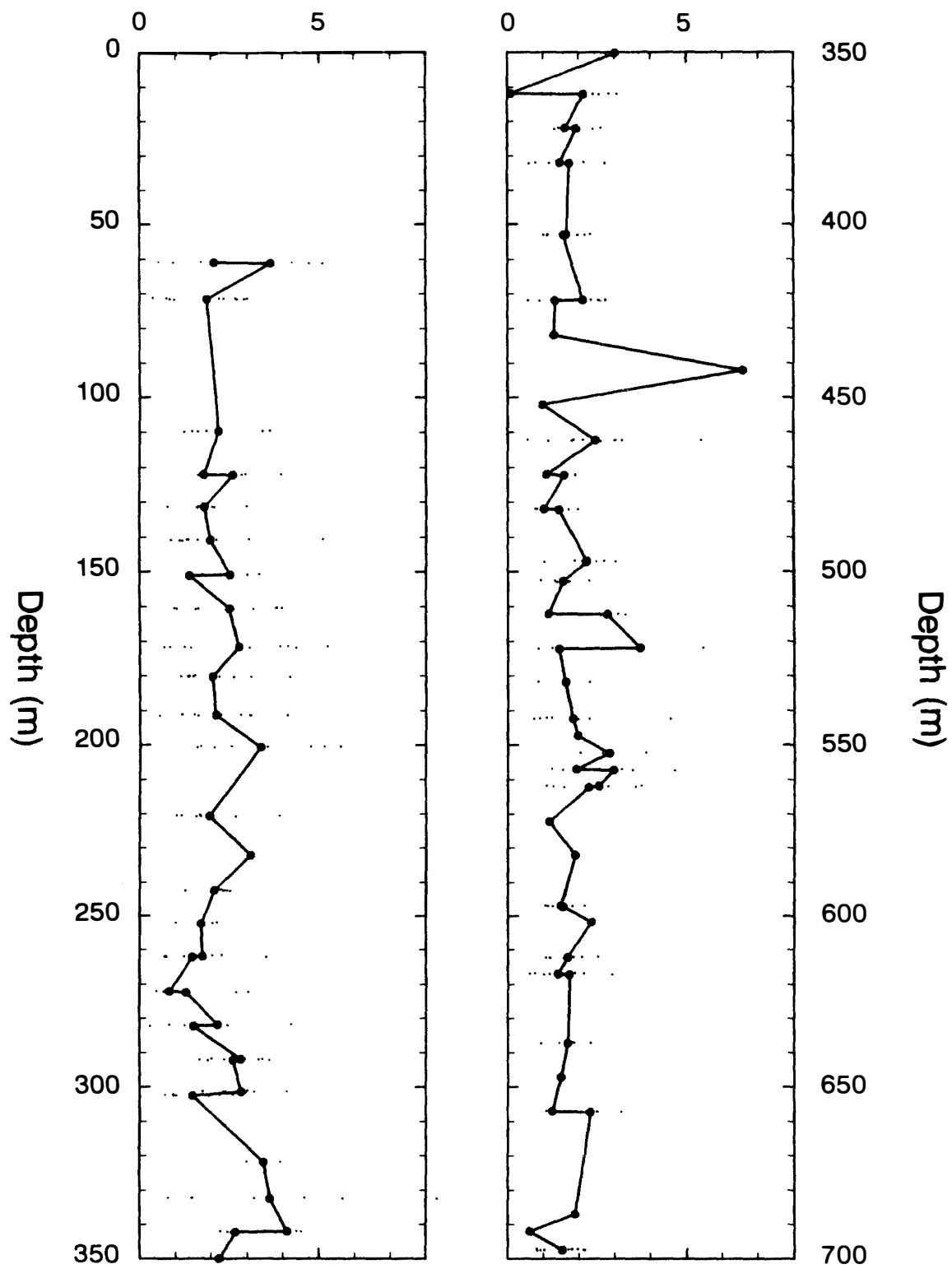
Concentration of ion (Na^+ , $\mu\text{g/l}$)



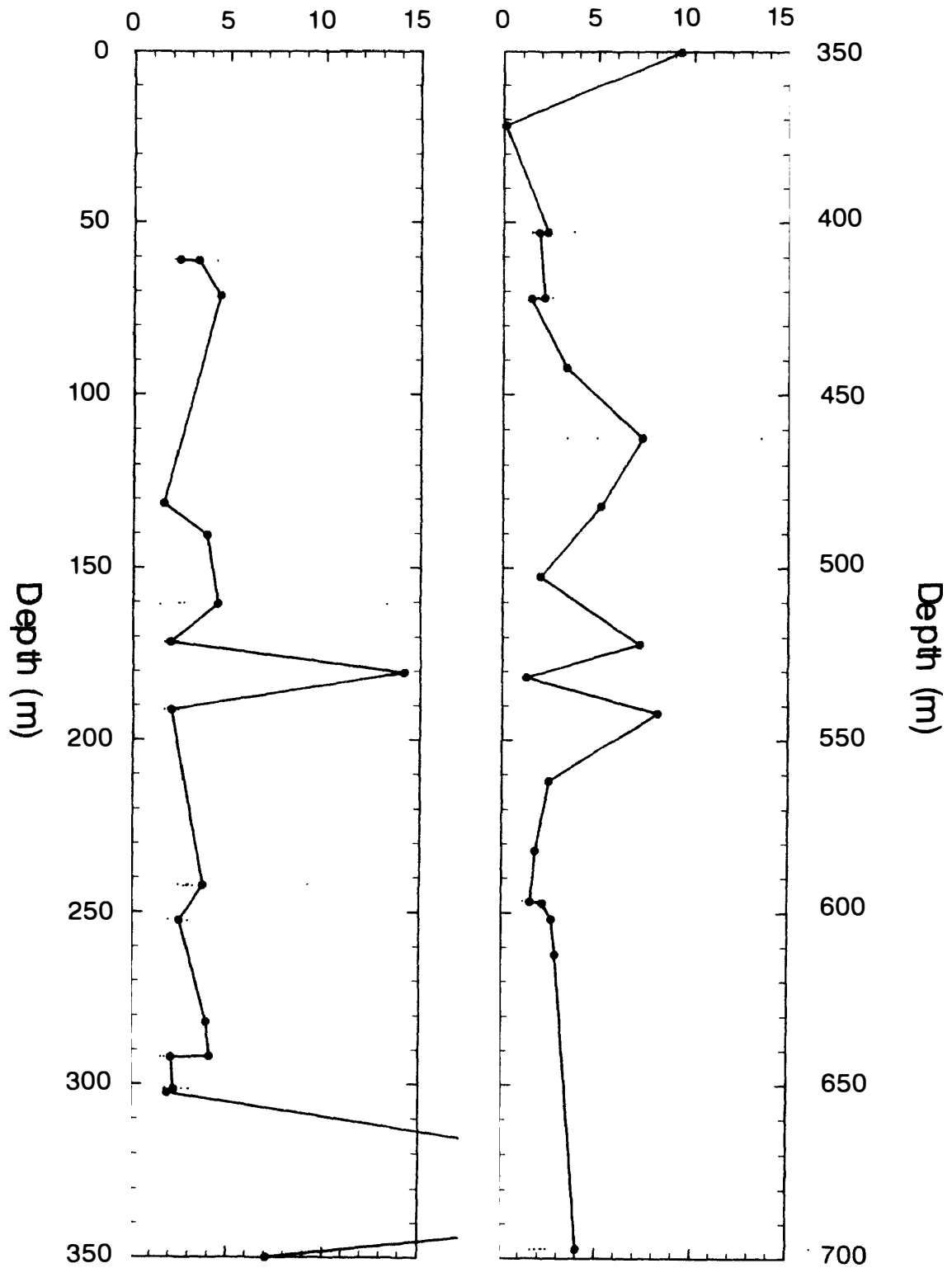
Concentration of ion (K^+ , $\mu g/l$)



Concentration of ion (Mg^{2+} , $\mu\text{g/l}$)



Concentration of ion (Ca^{2+} , $\mu\text{g/l}$)



Mizuho 700m core

Core top	bottom	$\delta^{18}\text{O}$
(m)	(m)	(‰)
5.09	10.00	-31.9
10.00	15.06	-34.8
15.06	20.04	-36.3
20.04	25.34	-36.4
25.34	30.70	-35.1
30.70	35.01	-35.8
35.04	40.07	-35.5
40.07	45.00	-36.4
45.00	50.02	-34.9
50.02	55.02	-34.2
55.02	60.00	-34.6
60.00	65.04	-34.9
65.04	70.01	-36.4
70.01	75.01	-36.1
75.01	80.03	-36.3
80.03	85.06	-36.3
85.06	90.08	-37.1
90.08	100.04	-36.5
100.04	105.06	-35.7
105.06	110.00	-36.5
110.00	115.37	-35.3
115.37	120.22	-37.0
120.22	125.20	-37.2
125.20	130.00	-37.0
130.00	135.20	-36.2
135.20	140.21	-35.9
140.21	145.04	-36.0
145.04	150.13	-37.3
150.74	151.25	-40.1
155.02	155.96	-37.6
160.34	165.01	-38.9
165.01	170.03	-39.1
170.03	175.03	-38.5
187.09	187.59	-38.3
191.55	192.11	-38.0
197.03	197.60	-39.1
201.62	202.08	-40.4
207.15	207.65	-38.5
211.84	212.27	-39.3
216.98	217.48	-37.1
221.74	222.22	-38.8
226.69	227.20	-39.5
231.95	232.45	-42.1
236.97	237.50	-39.7
242.10	242.61	-38.5
247.14	247.67	-39.4
252.10	252.60	-39.0
256.73	257.23	-39.4
261.75	262.25	-37.7
266.99	267.51	-41.0
271.99	272.49	-37.8
276.93	277.41	-39.0
281.85	282.35	-38.5

Mizuho 700m core

Core top	bottom	$\delta^{18}\text{O}$
(m)	(m)	(‰)
286.85	287.27	-40.2
291.80	292.30	-41.5
297.16	297.54	-40.3
301.09	301.59	-41.5
302.10	302.61	-39.6
307.11	307.42	-41.0
307.42	307.62	-40.4
311.76	312.26	-40.8
316.82	317.32	-39.7
321.83	322.33	-40.1
326.81	327.31	-41.3
332.20	332.70	-40.2
337.02	337.53	-41.1
341.89	342.34	-42.8
346.83	347.33	-41.5
351.39	351.93	-40.8
351.93	352.44	-39.2
356.95	357.45	-39.6
361.90	362.38	-38.5
366.75	367.27	-40.2
371.80	372.30	-40.8
376.86	377.36	-41.0
381.81	382.32	-39.8
386.93	387.43	-40.7
391.36	392.36	-39.9
396.77	397.30	-39.3
402.82	403.26	-39.1
407.15	407.61	-39.8
411.98	412.50	-38.6
416.79	417.30	-40.3
421.75	422.25	-39.7
427.10	427.58	-40.9
431.91	432.40	-40.8
436.82	437.26	-42.2
442.07	442.51	-40.3
452.08	452.58	-42.4
457.13	457.58	-40.5
462.15	462.65	-39.7
466.99	467.44	-39.4
471.90	472.40	-39.8
476.93	477.45	-37.8
481.83	482.30	-40.7
492.06	492.56	-39.8
496.85	497.27	-42.2
502.48	503.00	-41.1
507.01	507.53	-42.3
511.98	512.48	-41.7
521.87	522.39	-41.1
527.00	527.50	-40.2
531.74	532.24	-40.1
536.60	537.12	-40.2
542.09	542.59	-41.7
547.12	547.62	-40.6

Mizuho 700m core

Core top	bottom	$\delta^{18}\text{O}$
(m)	(m)	(‰)
552.00	552.50	-42.2
556.94	557.36	-42.2
561.83	562.33	-42.4
566.80	567.30	-41.8
572.18	572.63	-41.9
577.08	577.62	-43.7
582.05	582.57	-40.1
586.90	587.38	-40.2
591.72	592.22	-41.2
596.60	597.11	-41.1
601.72	602.22	-41.7
607.01	607.49	-41.3
612.07	612.62	-41.6
616.74	617.24	-40.6
622.14	622.64	-39.8
627.29	627.77	-41.2
632.17	632.62	-42.2
636.91	637.36	-43.1
642.34	642.81	-43.5
646.93	647.45	-42.9
652.27	652.72	-42.6
655.82	656.27	-43.1
662.23	662.71	-41.7
667.29	667.73	-43.7
672.01	672.49	-40.4
677.02	677.49	-41.2
681.99	682.44	-41.8
686.91	687.36	-42.9
691.91	692.37	-40.7
697.68	697.56	-43.0

Mizuho 700m core 【Micro Particle 0.63~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
49.80	50.00	62	77	56	4
50.00	50.80	181	510	75	16
54.90	55.00	67	79	55	2
55.00	55.90	1044	3786	41	18
59.00	60.00	1939	5297	847	20
60.72	61.02	1125	1595	881	6
61.02	61.20	1154	1619	700	4
66.51	67.00	350	2250	55	10
67.00	67.50	97	211	34	10
71.37	72.00	569	2669	63	20
82.00	82.50	125	234	48	10
87.00	87.50	123	254	71	10
107.16	107.65	157	400	96	10
109.63	109.95	1226	2053	653	6
117.65	118.00	185	339	124	7
118.00	118.10	88	100	76	2
121.96	122.01	1492	1492	1492	1
122.01	122.30	1323	2071	693	6
126.43	127.02	134	269	64	11
127.02	127.47	160	229	86	9
131.21	131.58	763	1049	483	6
140.57	141.03	674	1186	171	9
142.65	143.00	97	208	49	7
143.00	143.65	116	208	50	13
146.67	147.02	245	408	129	7
147.02	147.70	257	670	55	13
151.25	152.00	644	3245	67	15
152.00	153.00	1465	8141	437	20
153.00	154.04	1729	3298	762	20
154.04	155.02	459	1414	60	19
155.02	156.02	547	2513	84	20
156.02	157.04	1814	4626	536	20
157.04	158.01	600	1462	113	19
158.01	158.29	933	1425	521	6
160.32	161.00	1278	4779	132	23
161.00	162.02	2323	7554	672	18
162.02	163.02	1929	15313	111	20
163.02	164.00	1237	4528	95	20
164.00	165.04	1795	3665	816	19
165.04	166.02	1893	3104	1048	20
166.02	167.02	699	2635	106	20
167.02	168.03	1937	4871	68	20
168.03	169.04	793	2892	66	19
169.04	169.89	870	2829	85	17
171.42	172.02	798	1804	130	22
172.02	173.04	535	4246	66	20
173.04	174.04	1719	4371	703	20
174.04	175.00	1943	5048	162	19
175.00	176.02	982	2450	110	20
176.02	177.02	1875	3732	955	20
177.02	178.01	1574	4865	594	20
178.01	179.03	415	1045	47	21
179.03	180.02	1291	2019	580	19

Mizuho 700m core 【Micro Particle 0.63~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
180.02	180.52	240	566	114	20
182.04	183.04	791	1691	463	13
183.04	184.02	1201	4620	53	19
184.02	185.02	1643	6244	427	20
185.02	186.02	1148	2533	519	20
186.02	187.03	491	1028	56	22
187.03	188.05	656	1697	87	20
188.05	189.03	732	1428	394	19
189.03	189.60	556	802	267	11
191.10	191.60	166	325	72	20
194.70	195.00	322	406	174	6
195.00	195.20	406	866	183	4
196.73	197.03	168	186	137	6
197.03	197.24	390	861	145	4
199.26	199.75	113	249	47	10
200.26	200.31	243	243	243	1
202.89	203.04	1201	1508	757	3
203.04	203.90	531	1327	132	17
204.40	205.01	1335	4984	178	12
205.01	206.01	532	1923	106	12
206.01	206.80	636	3253	99	16
207.80	208.00	978	1083	849	4
208.00	208.30	1072	2540	417	7
209.33	210.03	1156	5094	139	15
210.03	211.01	188	299	89	11
211.01	211.34	504	1685	112	7
212.85	213.00	7640	21026	823	3
213.00	213.83	1240	7418	158	17
214.34	214.85	1051	1506	552	11
215.82	216.02	747	1119	399	5
216.02	216.33	708	1158	335	7
217.86	218.01	940	1102	687	3
218.01	218.85	572	2470	31	19
219.34	219.86	731	1097	392	11
220.40	221.02	584	717	234	4
221.02	221.39	504	768	272	6
224.40	225.00	1032	2235	442	12
225.00	226.00	452	1337	48	10
226.00	226.90	720	1918	120	18
227.40	227.94	802	1376	448	11
228.94	229.03	452	555	349	2
229.03	229.44	718	1108	407	8
230.43	230.94	811	1761	422	10
231.43	232.00	216	576	42	11
232.00	232.96	290	1045	66	19
233.46	233.96	159	225	56	10
234.96	235.01	204	204	204	1
235.01	235.45	122	229	53	9
236.97	237.02	182	182	182	1
237.02	237.50	103	159	40	10
238.45	238.95	451	1038	93	10
239.45	240.00	157	585	51	11
240.00	240.49	152	329	58	10

Mizuho 700m core		【Micro Particle 0.63~16 μ m】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
242.10	243.01	134	479	26	29
243.01	244.02	194	742	53	10
244.02	244.12	84	99	68	2
245.13	245.64	774	1032	553	11
246.14	246.65	122	276	59	10
247.14	247.67	628	1095	412	11
248.67	249.02	541	828	359	7
249.02	249.15	959	1557	607	3
250.07	250.57	274	952	78	10
252.10	252.60	140	391	30	14
253.64	254.04	1730	9016	278	8
254.04	255.01	514	856	40	9
255.01	255.71	413	987	73	14
256.73	257.03	311	794	68	7
257.03	257.23	192	280	94	4
258.23	259.00	622	2463	64	16
259.00	260.03	458	1244	40	11
260.03	260.23	957	1531	450	4
261.75	262.00	494	720	349	9
262.00	262.25	796	1325	393	10
264.86	265.01	550	770	418	3
265.01	265.38	814	1443	535	7
266.43	267.04	156	356	51	12
267.04	268.01	310	1022	62	19
269.01	269.53	1268	4444	520	10
270.53	271.03	1034	1883	717	10
271.99	272.04	170	170	170	1
272.04	272.49	249	575	52	18
274.93	275.03	964	1382	546	2
275.03	276.03	779	1309	105	9
276.03	277.03	219	769	39	10
277.03	277.41	248	474	85	8
278.35	279.00	871	1620	69	13
279.00	280.00	142	201	42	10
280.00	280.34	146	417	47	7
281.85	282.00	684	1563	93	5
282.00	282.35	361	621	166	14
284.85	285.00	778	1083	498	3
285.00	285.35	748	1499	461	7
286.85	287.00	521	630	326	3
287.00	287.27	1046	1726	399	5
288.27	288.79	362	648	126	10
289.80	290.00	709	1487	327	4
290.00	290.30	475	664	249	6
291.30	292.00	197	1168	33	14
292.00	292.30	440	560	253	6
294.68	295.03	812	1341	221	7
295.03	295.65	172	498	62	12
296.15	296.66	912	1251	446	10
297.16	298.06	234	971	37	18
298.59	299.04	645	981	363	9
299.04	300.03	836	1253	378	8
300.03	300.09	826	826	826	1

Mizuho 700m core 【Micro Particle 0.63~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
301.09	301.59	1460	2333	608	14
302.10	303.01	787	2802	81	18
303.01	303.61	536	3303	63	12
304.61	305.01	199	521	26	8
305.01	305.11	549	896	201	2
307.11	307.62	491	797	215	10
311.76	312.01	1045	3664	150	5
312.01	312.26	363	657	91	5
315.24	315.76	161	310	20	10
316.82	317.02	437	581	148	4
317.02	318.01	430	821	48	9
318.01	318.36	147	332	54	7
319.36	319.86	161	471	28	10
320.83	321.03	118	155	53	4
321.03	322.03	443	995	85	13
322.03	322.88	532	2030	84	23
325.82	326.02	315	511	63	4
326.02	327.01	358	916	107	10
327.01	327.31	1297	5750	165	6
328.31	329.01	321	949	42	14
329.01	329.31	787	1307	371	6
330.71	331.01	701	2710	250	6
331.01	331.20	576	1041	281	4
332.20	332.70	800	1777	331	20
333.61	334.01	432	1042	198	8
334.01	334.11	454	616	292	2
335.12	335.50	390	695	105	8
336.53	337.02	5291	12947	481	10
337.02	338.04	470	1474	86	20
339.07	339.57	378	694	250	10
340.11	340.57	355	635	136	9
341.89	342.04	428	561	322	5
342.04	342.34	839	1892	393	12
343.33	343.83	675	1431	327	10
344.79	345.04	660	867	607	5
345.04	345.29	897	1453	418	5
346.83	347.03	637	1067	221	4
347.03	347.33	480	663	334	6
348.34	348.86	550	818	332	11
349.86	350.01	256	401	173	6
350.01	350.38	472	739	207	14
351.39	352.03	578	1849	236	12
352.03	352.44	648	1427	321	8
353.45	353.95	484	1157	244	10
354.95	355.00	558	558	558	1
355.00	355.45	738	1174	290	9
356.95	357.00	414	414	414	1
357.00	357.45	401	636	246	9
358.47	359.02	391	580	45	11
359.02	359.47	241	424	83	9
361.90	362.00	624	744	384	3
362.00	363.03	699	1132	30	19
363.03	364.01	408	1281	22	20

Mizuho 700m core		【Micro Particle 0.63~16 μ m】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
364.01	365.03	68	114	24	10
365.03	365.33	86	128	46	6
366.75	367.00	428	1146	169	5
367.00	367.27	578	827	339	6
371.80	372.00	920	1824	238	7
372.00	373.01	684	1797	69	16
373.01	373.82	181	410	60	16
374.32	375.02	208	496	62	14
375.02	375.33	450	704	153	6
376.86	377.01	333	392	279	3
377.01	377.87	207	598	28	17
380.33	380.79	241	1113	45	9
381.81	382.01	567	844	386	7
382.01	383.02	601	1203	159	15
383.02	383.38	765	4674	51	7
386.93	387.03	737	978	495	2
387.03	387.43	1138	3038	284	8
391.86	392.01	800	829	753	3
392.01	392.36	5580	14294	783	7
395.31	395.81	112	194	62	10
396.77	397.02	646	941	196	5
397.02	397.30	632	1337	305	6
400.30	400.85	190	379	114	10
402.82	403.00	565	728	220	5
403.00	403.26	1026	1276	642	9
404.18	404.78	302	522	122	10
406.15	406.65	481	2233	51	10
407.15	407.61	923	2605	239	10
408.62	409.03	669	1563	146	9
409.03	409.12	135	169	100	2
410.11	410.54	223	431	93	8
411.74	412.04	454	861	258	6
412.04	413.03	9929	52869	152	6
413.03	414.00	343	764	66	15
415.36	415.80	684	1124	126	9
416.79	417.04	111	169	80	5
417.04	417.30	116	173	85	5
420.30	420.77	804	1188	327	9
423.70	424.00	638	1205	241	6
424.00	424.15	558	844	365	3
425.62	426.02	577	1003	309	8
426.02	426.12	876	895	857	2
427.10	427.58	466	730	231	10
428.93	429.03	606	898	314	2
429.03	429.90	521	1111	318	17
430.91	431.01	774	877	670	2
431.01	432.01	515	846	238	10
432.01	432.90	921	3489	256	18
433.90	434.00	1391	1656	1125	2
434.00	434.40	737	1449	207	8
436.82	437.02	651	797	485	4
437.02	437.26	351	435	292	5
438.65	439.00	199	379	97	7

Mizuho 700m core 【Micro Particle 0.63~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
439.00	439.12	466	795	136	2
440.63	441.03	239	364	128	8
441.03	441.13	328	505	150	2
442.07	443.04	486	1355	64	20
443.04	443.57	486	2354	92	11
445.08	445.61	226	612	67	11
446.61	447.01	339	1088	91	8
447.01	447.11	209	273	145	2
448.64	449.04	229	669	61	9
449.04	449.16	95	120	64	3
450.66	451.01	94	113	64	7
451.01	451.63	340	1145	41	13
452.08	453.03	620	2001	155	19
453.03	453.08	281	281	281	1
454.60	455.00	236	407	70	8
455.00	455.12	191	252	129	2
457.13	457.58	345	616	143	9
458.49	458.99	179	279	96	10
460.60	461.00	1164	7187	86	8
461.00	461.11	199	229	169	2
462.15	462.65	874	2476	273	20
463.65	464.00	220	339	91	7
464.00	464.15	237	412	129	3
465.58	466.02	228	413	117	9
466.02	467.04	1223	2007	439	2
467.04	467.44	463	1144	196	8
471.90	472.00	338	459	216	4
472.00	472.40	540	844	395	14
473.40	473.85	230	511	45	10
475.40	475.89	279	605	84	10
476.93	477.03	343	346	340	2
477.03	477.45	695	1288	283	8
478.90	479.00	97	108	86	2
479.00	479.40	2205	16247	56	8
481.32	482.03	401	805	106	17
482.03	482.30	415	670	194	12
483.22	483.68	514	3146	137	9
485.02	485.44	286	898	56	9
486.94	487.04	881	1246	515	2
487.04	487.45	463	648	246	8
489.34	489.79	271	569	56	9
491.15	491.60	160	238	109	9
492.06	492.56	781	2176	215	10
496.85	497.00	355	382	336	6
497.00	497.27	364	497	301	10
498.72	499.00	248	482	127	5
499.00	499.20	203	273	141	4
502.53	503.00	484	639	379	18
504.53	505.03	441	1300	119	10
507.01	507.53	1170	2741	453	10
509.49	509.99	387	1737	85	10
510.99	511.04	318	318	318	1
511.04	512.03	415	1307	97	10

Mizuho 700m core 【Micro Particle 0.63~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
512.03	512.48	461	981	254	18
514.01	514.50	110	203	59	10
516.91	517.01	132	144	120	2
517.01	517.41	89	136	54	8
519.41	519.91	209	358	125	10
522.39	522.90	329	1627	126	10
524.40	527.75	272	457	106	10
526.50	527.00	260	434	117	10
527.00	527.50	90	203	30	10
529.22	529.72	237	508	111	10
531.24	532.04	298	842	88	21
532.04	532.69	478	1261	208	17
534.15	534.65	283	431	117	10
536.60	537.00	366	895	141	8
537.00	537.12	261	262	259	2
538.96	539.01	238	238	238	1
539.01	539.44	265	517	120	9
542.09	542.59	318	892	141	20
545.62	546.02	172	329	47	8
546.02	546.12	238	336	139	2
547.12	547.62	74	185	15	10
548.64	549.04	438	883	151	8
549.04	549.14	975	1329	621	2
550.14	550.66	155	261	67	10
552.00	553.00	500	1701	59	30
555.94	556.04	387	513	261	2
556.04	557.04	660	4512	99	22
557.04	557.88	686	2541	143	24
558.85	559.00	260	471	109	3
559.00	559.92	316	584	103	17
560.93	561.03	252	320	183	2
561.03	562.03	412	894	87	15
562.03	562.83	499	2093	62	22
563.88	564.03	216	364	137	3
564.03	564.38	191	469	88	7
566.80	567.00	127	278	64	4
567.00	567.30	74	120	29	6
569.28	569.80	235	545	45	10
571.73	572.03	355	471	198	6
572.03	572.63	276	769	68	12
573.57	574.02	151	224	52	9
574.02	574.06	35	35	35	1
575.54	576.00	194	532	79	9
576.00	576.06	103	103	103	1
577.08	577.62	93	222	36	11
579.15	579.65	337	1432	103	10
581.10	581.60	194	433	65	10
582.05	582.57	345	982	162	10
584.02	584.54	392	2915	62	10
586.40	587.00	240	640	71	12
587.00	587.38	397	882	162	7
588.38	588.88	159	279	90	10
590.40	590.86	406	1143	138	10

Mizuho 700m core 【Micro Particle 0.63~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
591.31	592.02	290	714	80	14
592.02	592.22	333	552	89	4
593.10	593.60	201	787	68	10
595.10	595.60	271	570	112	10
596.60	597.00	648	2642	139	15
597.00	597.11	529	1252	101	4
598.70	599.00	561	963	315	6
599.00	599.18	526	728	388	4
600.68	601.03	442	595	246	7
601.03	602.02	386	698	137	9
602.02	602.22	503	768	327	4
603.20	603.64	218	511	61	9
605.10	605.60	388	880	117	10
607.05	608.03	337	1251	67	20
608.97	609.02	237	237	237	1
609.02	609.47	517	904	353	9
610.97	611.02	267	267	267	1
611.02	611.45	266	429	126	9
612.07	613.03	614	7778	124	27
613.03	613.15	249	276	221	2
614.63	615.03	133	204	70	8
615.03	615.15	151	181	120	2
616.21	617.04	364	854	137	22
617.04	617.24	443	642	331	8
618.22	619.02	222	463	44	16
619.02	619.22	94	105	76	4
620.20	620.75	267	651	102	10
622.14	623.04	485	1127	140	26
623.04	623.14	189	237	140	2
624.13	624.59	200	354	129	9
626.30	626.80	473	1728	224	10
627.29	627.77	402	679	246	10
628.71	629.01	239	320	135	6
629.01	629.20	2760	8564	454	4
631.12	631.60	167	496	63	10
632.17	632.62	547	707	352	9
633.54	634.00	183	395	66	9
635.54	636.01	224	341	142	10
636.91	637.01	212	273	151	2
637.01	637.36	726	3114	141	13
638.65	639.01	143	378	55	7
642.34	642.81	366	730	175	10
644.27	644.70	218	389	74	9
646.93	647.03	277	350	203	2
647.03	647.45	303	503	156	7
648.83	649.03	116	138	96	4
649.03	649.31	86	295	26	6
652.27	652.72	317	454	130	9
655.45	655.92	181	282	96	10
656.82	657.02	410	495	223	8
657.02	657.27	478	827	297	10
658.14	658.61	342	590	99	10
662.23	662.71	117	254	59	10

Mizuho 700m core 【Micro Particle 0.63~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
664.98	665.03	40	40	40	1
665.03	665.48	127	220	44	9
666.81	667.01	175	261	107	4
667.01	668.03	388	940	63	21
668.03	668.19	305	372	214	3
672.01	672.49	294	1146	115	10
674.25	674.73	134	301	47	10
676.11	676.56	707	4663	171	10
677.02	677.49	238	338	85	9
679.00	679.47	143	211	68	9
680.74	681.04	92	132	60	6
681.04	682.04	657	5270	56	12
682.04	682.89	424	1548	96	17
684.25	684.70	186	282	122	9
686.01	687.01	416	2231	65	11
687.01	688.01	780	2691	174	11
688.01	688.26	515	1049	204	5
690.04	690.51	89	147	50	10
691.91	692.01	247	341	152	2
692.01	692.37	436	1548	100	7
694.30	694.78	196	286	112	10
696.19	696.67	371	1285	72	10
697.08	697.54	844	4189	66	19
698.01	698.97	119	174	55	20
699.87	700.02	139	178	71	3
700.02	700.36	134	284	52	7

Mizuho 700m core		【Micro Particle 1~16 μ m】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
49.80	50.00	21	23	18	4
50.00	50.80	61	180	24	16
54.90	55.00	25	32	17	2
55.00	55.90	301	1230	13	18
59.00	60.00	499	1422	209	20
60.72	61.02	402	585	111	6
61.02	61.20	443	623	253	4
66.51	67.00	114	779	10	10
67.00	67.50	34	83	9	10
71.37	72.00	177	556	23	20
82.00	82.50	41	77	11	10
87.00	87.50	42	93	25	10
107.16	107.65	44	123	20	10
109.63	109.95	489	875	198	6
117.65	118.00	55	90	21	7
118.00	118.10	24	30	18	2
121.96	122.01	510	510	510	1
122.01	122.30	445	732	230	6
126.43	127.02	46	106	19	11
127.02	127.47	53	72	28	9
131.21	131.58	281	402	199	6
140.57	141.03	267	522	70	9
142.65	143.00	35	71	21	7
143.00	143.65	32	55	11	13
146.67	147.02	92	145	38	7
147.02	147.70	90	240	12	13
151.25	152.00	230	1162	15	15
152.00	153.00	629	4417	156	20
153.00	154.04	651	1188	293	20
154.04	155.02	139	502	16	19
155.02	156.02	158	480	25	20
156.02	157.04	669	1924	180	20
157.04	158.01	221	535	34	19
158.01	158.29	309	413	142	6
160.32	161.00	458	1401	46	23
161.00	162.02	613	933	271	18
162.02	163.02	382	1807	40	20
163.02	164.00	434	1527	27	20
164.00	165.04	666	1394	276	19
165.04	166.02	702	1161	336	20
166.02	167.02	275	999	30	20
167.02	168.03	821	2159	19	20
168.03	169.04	303	1176	17	19
169.04	169.89	348	1217	24	17
171.42	172.02	302	439	38	22
172.02	173.04	127	650	13	20
173.04	174.04	564	1071	268	20
174.04	175.00	615	1395	48	19
175.00	176.02	367	896	29	20
176.02	177.02	675	1439	346	20
177.02	178.01	641	2345	207	20
178.01	179.03	154	439	13	21
179.03	180.02	533	868	213	19

Mizuho 700m core 【Micro Particle 1~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
180.02	180.52	88	229	39	20
182.04	183.04	306	757	144	13
183.04	184.02	485	2090	17	19
184.02	185.02	687	2693	135	20
185.02	186.02	497	1148	207	20
186.02	187.03	192	416	13	22
187.03	188.05	256	757	25	20
188.05	189.03	316	620	162	19
189.03	189.60	212	310	87	11
191.10	191.60	47	101	18	20
194.70	195.00	101	139	64	6
195.00	195.20	168	416	48	4
196.73	197.03	55	62	36	6
197.03	197.24	117	246	37	4
199.26	199.75	32	66	12	10
200.26	200.31	83	83	83	1
202.89	203.04	331	502	228	3
203.04	203.90	182	523	36	17
204.40	205.01	496	1824	56	12
205.01	206.01	214	856	21	12
206.01	206.80	234	936	36	16
207.80	208.00	361	381	335	4
208.00	208.30	370	1003	121	7
209.33	210.03	312	917	46	15
210.03	211.01	61	104	22	11
211.01	211.34	166	639	32	7
212.85	213.00	670	1312	243	3
213.00	213.83	328	1858	51	17
214.34	214.85	454	1295	192	11
215.82	216.02	344	537	192	5
216.02	216.33	291	567	134	7
217.86	218.01	403	529	288	3
218.01	218.85	226	798	9	19
219.34	219.86	302	494	145	11
220.40	221.02	245	331	74	4
221.02	221.39	217	315	96	6
224.40	225.00	399	782	125	12
225.00	226.00	185	596	17	10
226.00	226.90	292	881	39	18
227.40	227.94	315	605	160	11
228.94	229.03	192	250	133	2
229.03	229.44	273	445	155	8
230.43	230.94	354	898	193	10
231.43	232.00	76	216	18	11
232.00	232.96	105	525	17	19
233.46	233.96	55	83	16	10
234.96	235.01	42	42	42	1
235.01	235.45	40	63	17	9
236.97	237.02	66	66	66	1
237.02	237.50	35	62	14	10
238.45	238.95	170	402	23	10
239.45	240.00	53	150	22	11
240.00	240.49	44	86	12	10

Mizuho 700m core		【Micro Particle 1~16 μ m】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
242.10	243.01	47	169	5	29
243.01	244.02	69	320	19	10
244.02	244.12	26	33	18	2
245.13	245.64	299	432	186	11
246.14	246.65	42	91	24	10
247.14	247.67	202	358	112	11
248.67	249.02	207	390	122	7
249.02	249.15	425	730	260	3
250.07	250.57	87	263	19	10
252.10	252.60	45	168	8	14
253.64	254.04	374	1051	94	8
254.04	255.01	174	349	16	9
255.01	255.71	119	263	29	14
256.73	257.03	103	252	17	7
257.03	257.23	59	70	37	4
258.23	259.00	220	677	14	16
259.00	260.03	161	362	14	11
260.03	260.23	405	713	140	4
261.75	262.00	176	249	132	9
262.00	262.25	284	496	123	10
264.86	265.01	247	368	150	3
265.01	265.38	366	707	154	7
266.43	267.04	52	98	20	12
267.04	268.01	101	308	20	19
269.01	269.53	449	1054	212	10
270.53	271.03	465	880	303	10
271.99	272.04	72	72	72	1
272.04	272.49	90	207	18	18
274.93	275.03	365	545	185	2
275.03	276.03	294	509	43	9
276.03	277.03	75	230	14	10
277.03	277.41	88	183	32	8
278.35	279.00	342	626	22	13
279.00	280.00	45	74	13	10
280.00	280.34	43	106	16	7
281.85	282.00	286	662	31	5
282.00	282.35	138	275	55	14
284.85	285.00	343	509	229	3
285.00	285.35	312	706	180	7
286.85	287.00	232	301	137	3
287.00	287.27	359	562	164	5
288.27	288.79	117	229	39	10
289.80	290.00	261	596	109	4
290.00	290.30	158	206	75	6
291.30	292.00	52	157	9	14
292.00	292.30	158	213	90	6
294.68	295.03	335	563	93	7
295.03	295.65	61	161	19	12
296.15	296.66	356	550	174	10
297.16	298.06	99	473	9	18
298.59	299.04	253	369	128	9
299.04	300.03	366	601	155	8
300.03	300.09	413	413	413	1

Mizuho 700m core		【Micro Particle 1~16 μ m】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
301.09	301.59	569	909	258	14
302.10	303.01	273	1026	25	18
303.01	303.61	174	960	18	12
304.61	305.01	72	171	11	8
305.01	305.11	222	375	69	2
307.11	307.62	194	340	85	10
311.76	312.01	473	1769	54	5
312.01	312.26	139	264	24	5
315.24	315.76	54	127	4	10
316.82	317.02	164	241	49	4
317.02	318.01	173	350	14	9
318.01	318.36	57	152	15	7
319.36	319.86	53	151	6	10
320.83	321.03	40	58	16	4
321.03	322.03	138	321	29	13
322.03	322.88	192	825	23	23
325.82	326.02	100	157	26	4
326.02	327.01	154	430	34	10
327.01	327.31	427	1731	49	6
328.31	329.01	102	221	15	14
329.01	329.31	249	454	122	6
330.71	331.01	204	747	73	6
331.01	331.20	196	337	97	4
332.20	332.70	252	655	110	20
333.61	334.01	153	428	66	8
334.01	334.11	179	234	123	2
335.12	335.50	166	260	40	8
336.53	337.02	2085	5707	201	10
337.02	338.04	173	671	20	20
339.07	339.57	142	270	96	10
340.11	340.57	134	218	57	9
341.89	342.04	150	175	117	5
342.04	342.34	290	632	86	12
343.33	343.83	245	580	110	10
344.79	345.04	220	310	148	5
345.04	345.29	309	546	157	5
346.83	347.03	274	493	88	4
347.03	347.33	197	303	123	6
348.34	348.86	197	338	105	11
349.86	350.01	96	170	44	6
350.01	350.38	178	286	90	14
351.39	352.03	248	912	88	12
352.03	352.44	220	573	101	8
353.45	353.95	173	484	69	10
354.95	355.00	178	178	178	1
355.00	355.45	244	407	82	9
356.95	357.00	167	167	167	1
357.00	357.45	169	250	93	9
358.47	359.02	153	240	13	11
359.02	359.47	80	129	28	9
361.90	362.00	183	212	125	3
362.00	363.03	229	384	9	19
363.03	364.01	113	400	7	20

Mizuho 700m core 【Micro Particle 1~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
364.01	365.03	19	46	5	10
365.03	365.33	33	49	14	6
366.75	367.00	165	469	63	5
367.00	367.27	187	308	94	6
371.80	372.00	348	636	101	7
372.00	373.01	295	665	33	16
373.01	373.82	69	172	23	16
374.32	375.02	76	204	16	14
375.02	375.33	199	316	71	6
376.86	377.01	125	147	103	3
377.01	377.87	76	209	5	17
380.33	380.79	82	365	10	9
381.81	382.01	162	251	83	7
382.01	383.02	173	385	48	15
383.02	383.38	59	184	10	7
386.93	387.03	250	340	160	2
387.03	387.43	411	1101	117	8
391.86	392.01	321	360	291	3
392.01	392.36	2493	6445	333	7
395.31	395.81	38	73	17	10
396.77	397.02	239	368	81	5
397.02	397.30	254	497	134	6
400.30	400.85	53	99	31	10
402.82	403.00	254	344	80	5
403.00	403.26	382	543	240	9
404.18	404.78	102	199	46	10
406.15	406.65	152	651	16	10
407.15	407.61	323	729	80	10
408.62	409.03	260	688	36	9
409.03	409.12	50	71	28	2
410.11	410.54	72	149	29	8
411.74	412.04	183	341	104	6
412.04	413.03	363	1674	6	6
413.03	414.00	111	264	2	15
415.36	415.80	214	386	33	9
416.79	417.04	46	62	35	5
417.04	417.30	36	44	27	5
420.30	420.77	328	449	134	9
423.70	424.00	250	525	82	6
424.00	424.15	229	349	163	3
425.62	426.02	239	432	122	8
426.02	426.12	412	426	397	2
427.10	427.58	181	294	83	10
428.93	429.03	264	394	134	2
429.03	429.90	193	309	106	17
430.91	431.01	266	301	230	2
431.01	432.01	186	315	89	10
432.01	432.90	350	1117	89	18
433.90	434.00	108	131	84	2
434.00	434.40	198	622	41	8
436.82	437.02	262	316	206	4
437.02	437.26	132	183	101	5
438.65	439.00	66	137	26	7

Mizuho 700m core

【Micro Particle 1~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
439.00	439.12	134	221	47	2
440.63	441.03	77	126	25	8
441.03	441.13	97	140	54	2
442.07	443.04	151	415	20	20
443.04	443.57	193	973	28	11
445.08	445.61	76	233	19	11
446.61	447.01	107	339	22	8
447.01	447.11	71	88	54	2
448.64	449.04	85	263	21	9
449.04	449.16	36	49	21	3
450.66	451.01	35	53	20	7
451.01	451.63	92	272	14	13
452.08	453.03	211	582	55	19
453.03	453.08	116	116	116	1
454.60	455.00	87	188	21	8
455.00	455.12	56	73	38	2
457.13	457.58	113	207	41	9
458.49	458.99	58	101	25	10
460.60	461.00	443	2929	18	8
461.00	461.11	60	76	43	2
462.15	462.65	325	1038	110	20
463.65	464.00	79	121	22	7
464.00	464.15	85	153	38	3
465.58	466.02	73	116	29	9
466.02	467.04	492	825	158	2
467.04	467.44	158	329	73	8
471.90	472.00	118	157	78	4
472.00	472.40	176	289	122	14
473.40	473.85	75	158	13	10
475.40	475.89	91	205	27	10
476.93	477.03	132	135	128	2
477.03	477.45	277	560	88	8
478.90	479.00	33	35	31	2
479.00	479.40	689	5056	21	8
481.32	482.03	121	263	28	17
482.03	482.30	95	149	54	12
483.22	483.68	200	1326	41	9
485.02	485.44	95	282	25	9
486.94	487.04	333	474	192	2
487.04	487.45	185	274	93	8
489.34	489.79	83	160	12	9
491.15	491.60	56	95	33	9
492.06	492.56	351	1083	96	10
496.85	497.00	139	148	124	6
497.00	497.27	145	238	108	10
498.72	499.00	86	174	43	5
499.00	499.20	63	95	33	4
502.53	503.00	147	179	107	18
504.53	505.03	160	519	48	10
507.01	507.53	485	1185	174	10
509.49	509.99	127	577	16	10
510.99	511.04	114	114	114	1
511.04	512.03	143	411	25	10

Mizuho 700m core 【Micro Particle 1~16 μ m】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
512.03	512.48	193	437	101	18
514.01	514.50	36	55	17	10
516.91	517.01	63	65	60	2
517.01	517.41	37	65	15	8
519.41	519.91	65	86	45	10
522.39	522.90	83	401	31	10
524.40	527.75	98	187	33	10
526.50	527.00	85	154	40	10
527.00	527.50	36	65	12	10
529.22	529.72	83	177	37	10
531.24	532.04	85	320	16	21
532.04	532.69	147	428	57	17
534.15	534.65	86	130	30	10
536.60	537.00	120	297	41	8
537.00	537.12	76	81	70	2
538.96	539.01	90	90	90	1
539.01	539.44	94	165	51	9
542.09	542.59	80	272	20	20
545.62	546.02	50	91	9	8
546.02	546.12	69	97	41	2
547.12	547.62	31	72	3	10
548.64	549.04	165	345	50	8
549.04	549.14	401	602	199	2
550.14	550.66	44	84	14	10
552.00	553.00	141	296	19	30
555.94	556.04	111	148	73	2
556.04	557.04	162	667	29	22
557.04	557.88	200	741	43	24
558.85	559.00	80	142	35	3
559.00	559.92	110	209	35	17
560.93	561.03	90	121	58	2
561.03	562.03	122	227	21	15
562.03	562.83	157	774	17	22
563.88	564.03	71	123	37	3
564.03	564.38	54	106	24	7
566.80	567.00	50	121	22	4
567.00	567.30	30	53	10	6
569.28	569.80	81	189	13	10
571.73	572.03	117	171	55	6
572.03	572.63	71	185	25	12
573.57	574.02	44	72	11	9
574.02	574.06	9	9	9	1
575.54	576.00	70	201	15	9
576.00	576.06	40	40	40	1
577.08	577.62	26	65	9	11
579.15	579.65	106	473	32	10
581.10	581.60	69	155	20	10
582.05	582.57	118	333	51	10
584.02	584.54	47	190	8	10
586.40	587.00	68	115	19	12
587.00	587.38	68	123	28	7
588.38	588.88	54	97	30	10
590.40	590.86	165	457	41	10

Mizuho 700m core		【Micro Particle 1~16 μ m】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
591.31	592.02	85	236	15	14
592.02	592.22	64	120	5	4
593.10	593.60	81	394	22	10
595.10	595.60	99	216	35	10
596.60	597.00	204	766	47	15
597.00	597.11	212	513	36	4
598.70	599.00	208	384	120	6
599.00	599.18	191	211	155	4
600.68	601.03	150	223	67	7
601.03	602.02	142	293	30	9
602.02	602.22	117	161	98	4
603.20	603.64	69	145	20	9
605.10	605.60	134	285	39	10
607.05	608.03	118	505	17	20
608.97	609.02	86	86	86	1
609.02	609.47	203	388	138	9
610.97	611.02	93	93	93	1
611.02	611.45	82	121	38	9
612.07	613.03	186	2201	41	27
613.03	613.15	91	99	83	2
614.63	615.03	35	49	17	8
615.03	615.15	38	48	27	2
616.21	617.04	100	265	30	22
617.04	617.24	125	250	62	8
618.22	619.02	71	178	9	16
619.02	619.22	33	44	26	4
620.20	620.75	98	275	29	10
622.14	623.04	140	316	40	26
623.04	623.14	70	89	50	2
624.13	624.59	68	134	36	9
626.30	626.80	155	670	59	10
627.29	627.77	106	217	33	10
628.71	629.01	78	105	49	6
629.01	629.20	860	2807	128	4
631.12	631.60	63	208	18	10
632.17	632.62	157	226	81	9
633.54	634.00	60	142	19	9
635.54	636.01	75	115	45	10
636.91	637.01	74	98	49	2
637.01	637.36	258	965	51	13
638.65	639.01	43	127	12	7
642.34	642.81	118	204	58	10
644.27	644.70	72	138	23	9
646.93	647.03	103	132	73	2
647.03	647.45	105	155	47	7
648.83	649.03	43	60	30	4
649.03	649.31	77	134	16	6
652.27	652.72	94	155	47	9
655.45	655.92	67	125	27	10
656.82	657.02	183	241	94	8
657.02	657.27	184	389	68	10
658.14	658.61	123	220	34	10
662.23	662.71	42	88	20	10

Mizuho 700m core **【Micro Particle 1~16 μ m】**

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(0.05cc)	(0.05cc)	(0.05cc)	
664.98	665.03	15	15	15	1
665.03	665.48	48	94	15	9
666.81	667.01	63	95	41	4
667.01	668.03	160	488	18	21
668.03	668.19	93	107	70	3
672.01	672.49	95	396	25	10
674.25	674.73	47	123	10	10
676.11	676.56	263	1769	44	10
677.02	677.49	78	131	28	9
679.00	679.47	48	84	15	9
680.74	681.04	30	50	15	6
681.04	682.04	270	2293	15	12
682.04	682.89	155	789	33	17
684.25	684.70	60	118	36	9
686.01	687.01	162	937	14	11
687.01	688.01	191	592	45	11
688.01	688.26	150	348	57	5
690.04	690.51	23	38	11	10
691.91	692.01	69	99	38	2
692.01	692.37	165	625	36	7
694.30	694.78	60	96	29	10
696.19	696.67	157	611	18	10
697.08	697.54	271	1503	18	19
698.01	698.97	40	76	21	20
699.87	700.02	41	54	19	3
700.02	700.36	48	146	10	7

Mizuho 700m core [ECM (value of maximum signal in a core)]

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
7.67	8.00	28	28	28	1
8.00	9.00	41	60	27	4
9.00	10.32	47	86	23	5
10.32	11.00	64	76	42	3
11.00	12.00	47	61	23	4
12.00	13.00	55	81	34	4
13.00	14.00	44	50	41	5
14.00	15.00	54	75	33	3
15.00	16.00	50	61	38	4
16.00	17.00	52	58	41	4
17.00	18.00	58	65	45	3
18.00	19.00	38	47	29	3
19.00	20.00	53	57	49	3
20.00	21.00	43	62	30	3
21.00	22.00	29	38	15	5
22.00	23.00	62	73	48	3
23.00	24.00	47	66	29	4
24.00	25.00	32	41	25	4
25.00	26.26	36	51	23	4
26.26	27.35	48	55	37	4
27.35	28.05	44	62	33	3
28.05	29.30	39	53	30	5
29.30	30.11	37	52	29	3
30.11	31.24	52	75	31	5
31.24	32.14	34	49	22	4
32.14	33.10	31	60	21	5
33.10	34.06	39	49	34	4
34.06	35.16	58	73	29	4
35.16	36.00	33	39	28	4
36.00	36.65	34	38	30	3
37.00	38.10	28	38	19	7
38.40	39.10	50	89	27	3
39.10	40.20	35	46	23	3
40.20	41.20	40	54	34	4
41.20	42.20	38	83	23	5
42.20	43.20	34	59	23	5
43.20	44.09	29	40	18	3
44.09	45.30	34	46	21	6
45.30	46.03	53	79	23	3
46.03	47.03	46	58	39	4
47.03	48.01	34	45	22	4
48.01	49.30	44	54	32	5
49.30	50.30	38	65	27	5
50.30	51.30	46	56	38	3
51.30	52.40	66	102	32	3
52.40	53.40	58	71	40	3
53.40	54.40	58	96	30	3
54.40	55.40	51	58	43	3
55.40	56.40	34	40	27	3
56.40	57.45	49	57	42	3
57.45	58.00	70	85	55	2
58.00	59.00	41	53	20	3
59.00	60.00	53	63	38	3

Mizuho 700m core 【 ECM (value of maximum signal in a core) 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
60.00	61.00	54	63	38	4
61.00	62.00	71	106	49	3
62.00	62.50	75	75	75	1
63.00	64.00	44	59	23	4
64.00	65.00	28	41	19	4
65.00	66.00	29	39	19	4
66.51	67.00	31	41	21	2
67.00	68.00	34	51	20	3
68.00	69.00	30	33	21	4
69.50	70.00	31	32	30	2
70.50	70.91	26	27	25	2
71.00	72.00	35	49	28	5
72.00	73.00	38	42	35	4
73.00	74.00	35	40	29	3
74.00	75.00	29	50	10	5
75.00	76.00	25	36	16	4
76.00	77.00	29	36	23	3
77.00	78.00	44	54	31	3
78.00	79.00	43	46	40	2
79.00	80.00	35	41	30	3
80.50	81.00	25	27	23	2
81.00	82.00	30	35	25	3
82.00	83.00	25	35	13	4
83.00	83.64	38	45	29	4
84.00	85.00	42	89	19	4
85.00	86.00	33	45	25	4
86.00	87.00	35	64	16	4
87.00	88.00	44	75	22	3
88.00	89.00	39	44	34	4
89.00	90.00	31	55	22	10
90.50	91.00	57	79	39	6
91.00	92.00	51	56	47	4
92.00	93.00	31	47	19	10
93.00	94.20	47	78	27	9
94.20	95.14	53	119	28	6
95.14	96.00	35	45	27	5
96.00	97.18	28	35	25	6
97.18	98.20	21	21	21	4
98.20	99.13	42	73	16	8
99.13	100.10	21	29	15	6
100.60	101.03	28	37	16	8
101.03	101.90	28	33	22	4
102.00	103.23	43	67	18	4
103.05	104.30	36	46	18	6
104.30	105.25	39	41	36	4
105.68	106.19	31	35	26	6
106.19	107.16	34	44	27	6
107.16	107.65	27	27	27	2
109.15	109.65	37	37	37	2
110.30	110.78	55	73	37	4
111.10	112.20	51	116	18	10
112.20	113.13	24	27	20	4
113.13	113.35	33	40	25	4

Mizuho 700m core 【 ECM (value of maximum signal in a core) 】

core top (m)	bottom (m)	mean	maximum	minimum	sample
114.67	115.15	50	75	24	4
115.15	116.04	40	74	23	8
116.04	117.16	37	49	17	10
117.16	118.10	34	48	27	8
118.10	118.92	27	31	23	6
120.42	120.93	32	33	30	4
121.43	122.10	54	72	37	6
122.10	122.87	41	48	32	6
126.43	127.47	33	50	23	6
128.97	129.11	115	115	115	2
129.11	129.48	54	54	54	2
132.04	132.55	44	47	41	4
139.59	140.13	32	35	29	4
141.63	142.15	74	99	48	4
142.65	143.15	36	48	25	6
143.15	144.17	41	54	28	8
145.18	145.68	71	113	28	4
146.18	147.20	47	80	30	10
147.20	148.20	61	127	28	6
148.20	149.22	107	168	23	4
149.22	150.24	89	176	25	4
150.24	151.25	122	150	101	3
151.25	152.25	76	128	33	4
152.25	153.24	62	104	19	2
153.24	154.27	141	154	128	2
154.27	155.27	92	101	79	3
155.27	156.29	75	114	33	3
156.29	157.30	87	105	71	3
157.30	158.04	87	105	69	3
158.04	159.31	80	86	76	3
159.31	160.03	91	98	84	2
160.03	161.37	96	139	53	4
161.37	162.37	81	107	52	3
162.37	163.35	129	162	77	3
163.35	164.35	112	153	85	3
164.35	165.37	118	153	75	4
165.37	166.09	66	128	27	3
166.09	167.38	159	192	135	3
167.38	168.38	103	128	75	3
168.38	169.41	120	166	88	3
169.41	170.42	139	189	102	3
170.42	171.42	114	116	111	2
171.42	172.42	120	153	93	3
172.42	173.22	118	130	112	3
173.22	174.45	82	107	49	5
174.45	175.47	149	162	135	2
175.47	176.08	99	131	67	2
176.08	177.22	99	128	54	4
177.22	178.06	90	106	74	2
178.06	179.03	123	163	74	3
179.03	180.02	93	146	58	4
180.02	181.04	110	155	48	3
181.04	182.04	115	132	98	2

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top (m)	bottom (m)	mean	maximum	minimum	sample
182.04	183.04	74	139	15	5
183.04	184.07	108	135	66	3
184.07	185.07	107	147	46	4
185.07	186.06	99	113	74	3
186.06	187.09	111	138	63	3
187.09	188.05	114	133	94	2
188.05	189.08	120	131	109	4
189.08	190.10	119	148	89	2
190.10	191.10	98	119	70	3
191.10	192.11	136	245	34	3
192.11	193.16	128	143	113	2
193.16	194.20	105	112	97	2
194.20	195.05	133	135	131	2
195.05	196.24	96	128	48	5
196.24	197.24	133	206	64	3
197.24	198.34	112	116	108	2
198.34	199.26	85	116	34	3
199.26	200.26	95	116	73	2
200.26	201.27	124	136	111	2
201.27	202.38	111	178	44	2
202.38	203.39	81	138	24	2
203.39	204.22	144	160	128	2
204.22	205.22	110	118	105	4
205.22	206.30	112	147	68	4
206.30	207.30	175	193	156	2
207.30	208.30	121	125	117	2
208.18	209.33	103	202	18	4
209.33	210.36	140	174	102	4
210.36	211.34	141	146	137	3
211.34	212.35	108	128	69	3
212.35	213.34	144	159	128	2
213.34	214.34	142	152	131	2
214.34	215.32	91	113	52	4
215.32	216.33	112	139	87	3
216.33	217.25	163	256	105	3
217.25	218.32	113	137	73	3
218.32	219.34	96	139	45	4
219.34	220.40	117	137	87	3
220.40	221.39	130	131	128	2
221.39	222.37	139	149	128	2
222.37	223.38	136	137	134	2
223.38	224.40	100	128	63	3
224.40	225.40	159	170	148	2
225.40	226.39	87	94	79	2
226.39	227.40	145	149	140	2
227.40	228.31	132	134	130	2
228.31	229.03	107	134	83	3
229.03	230.43	143	147	137	3
230.43	231.43	141	150	132	2
231.43	232.04	137	156	117	2
232.04	233.46	150	176	136	3
233.46	234.44	139	159	118	2
234.44	235.07	72	73	71	2

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
235.07	236.06	111	159	47	3
236.06	237.50	101	153	50	4
237.50	238.45	157	169	145	2
238.45	239.07	143	168	118	2
239.07	240.09	134	183	89	3
240.09	241.09	109	129	89	2
241.09	242.10	192	236	147	2
242.10	243.12	172	185	158	2
243.12	244.12	140	145	135	2
244.12	245.13	116	158	74	2
245.13	246.14	81	103	58	3
246.14	247.14	126	145	107	2
247.14	248.15	164	219	108	2
248.15	248.87	113	121	104	2
249.15	250.07	133	145	121	2
250.07	251.09	164	171	156	2
251.09	252.10	146	147	144	2
252.10	252.76	164	187	140	2
253.29	254.20	112	155	67	4
254.20	255.21	112	139	85	2
255.21	256.22	107	135	78	2
256.22	257.23	126	170	85	4
257.23	258.23	141	142	139	2
258.23	259.23	105	142	46	3
259.23	260.23	160	163	157	2
260.23	261.24	134	150	115	4
261.24	262.25	134	159	115	3
262.25	263.31	105	129	81	2
263.31	264.36	114	135	95	3
264.36	265.28	131	139	123	2
265.28	266.30	85	110	35	4
266.30	267.51	140	179	106	3
267.51	268.01	74	79	69	2
268.01	269.01	109	151	59	3
269.01	270.03	96	140	73	3
270.03	271.03	136	150	128	3
271.03	272.25	101	114	86	4
272.49	273.26	106	114	91	3
273.26	274.43	118	159	63	4
274.43	275.04	103	136	70	2
275.04	276.43	97	128	65	5
276.43	277.41	90	102	71	3
277.41	278.35	160	167	153	2
278.35	279.15	100	121	76	3
279.15	280.34	92	146	58	4
280.34	281.36	120	131	100	3
281.36	282.35	142	150	131	3
282.35	283.35	153	199	128	3
283.35	284.31	118	128	108	2
284.31	285.35	132	136	128	2
285.35	286.38	128	173	80	3
286.38	287.27	115	143	74	3
287.27	288.27	125	133	113	3

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
288.27	289.29	135	166	110	3
289.29	290.30	176	206	145	2
290.30	291.00	132	141	122	2
291.00	292.12	126	144	100	4
292.12	293.23	127	154	110	4
293.23	294.22	88	113	63	2
294.22	295.14	130	149	110	3
295.14	296.15	125	178	72	2
296.15	297.16	97	130	59	4
297.16	298.06	136	184	72	3
298.06	299.09	140	163	128	3
299.09	300.09	127	158	96	3
300.09	301.09	137	143	128	3
301.09	302.10	89	104	69	5
302.10	303.10	196	223	169	2
303.10	304.01	133	138	128	2
304.01	305.11	134	147	115	3
305.11	306.11	124	156	81	3
306.11	307.11	90	107	66	4
307.11	308.12	117	141	96	4
308.12	309.00	119	161	57	4
309.00	310.08	114	145	66	3
310.08	311.26	126	178	46	4
311.26	312.06	128	178	81	3
312.06	313.26	144	167	107	3
313.26	314.24	155	182	116	3
314.24	315.24	133	144	123	3
315.24	316.29	128	163	93	3
316.29	317.09	114	134	93	3
317.09	318.36	157	201	127	3
318.36	319.09	104	113	94	3
319.09	320.39	141	162	111	3
320.39	321.33	117	156	78	2
321.33	322.08	101	123	83	3
322.08	323.38	122	162	64	4
323.38	324.32	163	183	134	3
324.32	325.32	103	176	48	3
325.32	326.23	136	171	95	3
326.23	327.31	140	194	111	3
327.31	328.31	126	164	88	2
328.31	329.31	130	144	119	4
329.31	330.19	118	158	76	4
330.19	331.20	149	159	143	3
331.20	332.20	117	169	54	3
332.20	332.99	119	132	89	4
333.20	334.11	131	167	97	3
334.11	335.12	112	144	82	4
335.12	336.03	80	80	80	2
336.03	337.02	96	120	63	3
337.02	338.04	124	146	90	3
338.04	339.09	125	155	96	4
339.57	340.11	140	140	140	1
340.11	341.15	120	128	101	4

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
341.15	342.34	116	134	82	3
342.34	343.09	102	123	65	3
343.09	344.31	117	149	67	4
344.31	355.79	102	152	59	4
345.29	346.31	92	135	58	4
346.31	347.07	97	121	59	3
347.07	348.17	137	150	128	4
348.17	349.21	86	115	48	5
349.21	350.07	86	112	71	4
350.07	351.39	103	129	80	4
351.39	352.44	119	131	106	2
352.44	353.45	128	148	108	3
353.45	354.18	78	87	69	3
354.18	355.20	106	135	68	4
355.20	356.31	140	185	101	3
356.31	357.25	108	143	67	4
357.25	358.47	122	163	67	4
358.47	359.24	81	123	38	2
359.24	360.06	96	128	68	4
360.06	361.46	120	159	80	5
361.46	362.38	129	146	112	2
362.38	363.03	126	138	113	2
363.03	364.32	109	144	67	4
364.32	365.13	119	149	89	2
365.13	366.13	70	95	51	4
366.13	367.27	106	122	89	3
367.27	368.27	80	97	57	4
368.27	369.17	117	130	103	2
369.17	370.30	104	135	80	3
370.30	371.30	94	116	71	2
371.30	372.30	132	154	105	3
372.30	373.17	111	163	58	2
373.17	374.32	104	152	83	5
374.32	375.13	73	93	38	3
375.13	376.36	189	336	108	3
376.36	377.36	108	139	74	3
377.36	378.37	121	175	81	3
378.37	379.33	107	112	101	2
379.33	380.09	132	145	119	2
380.09	381.32	137	158	123	4
381.32	382.08	102	159	45	2
382.08	383.38	88	117	38	4
383.38	383.88	117	144	90	2
384.38	385.43	151	173	128	2
385.43	386.42	111	112	109	2
386.42	387.25	83	154	36	3
387.25	388.11	80	95	57	3
388.11	389.43	102	145	69	4
389.43	390.41	104	128	67	3
390.41	391.08	114	132	90	3
391.08	392.11	105	145	48	3
392.11	393.31	149	291	69	4
393.31	394.31	84	112	56	2

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top (m)	bottom (m)	mean	maximum	minimum	sample
394.31	395.31	106	121	91	2
395.31	396.27	121	131	111	2
396.27	397.30	94	129	39	4
397.30	398.13	86	104	67	2
398.13	399.34	68	83	59	3
399.34	400.30	111	114	108	2
400.28	401.31	108	140	80	6
401.31	402.32	98	136	45	5
402.23	403.23	106	128	89	7
403.10	404.18	105	129	61	7
404.05	405.44	120	168	83	7
405.30	406.12	110	149	69	3
406.09	407.19	92	174	41	8
407.15	408.20	109	144	84	7
408.11	409.12	76	143	16	5
409.12	410.17	126	223	67	9
410.11	411.40	124	179	89	7
411.00	412.21	88	111	44	5
412.21	413.28	100	128	70	3
413.28	414.00	88	97	71	3
415.36	416.13	86	107	55	3
416.13	416.79	97	128	62	3
418.32	419.17	92	110	69	3
419.17	419.32	59	59	59	1
420.30	421.25	75	117	43	3
421.25	421.75	82	94	69	2
423.20	424.00	90	145	50	3
424.00	424.15	60	60	60	1
425.48	426.12	96	97	94	2
427.87	428.08	87	87	87	1
428.93	429.20	71	71	71	1
429.20	429.90	91	101	79	3
430.91	431.18	139	139	139	1
431.18	431.91	81	90	71	4
432.40	432.90	72	104	45	4
433.90	434.29	89	89	89	1
434.29	434.89	71	101	55	3
435.90	436.16	73	73	73	1
436.16	436.82	105	107	103	2
437.26	437.59	65	65	65	1
438.65	439.12	77	85	68	2
439.12	439.60	97	97	97	1
440.63	441.13	114	130	97	2
441.13	441.63	88	96	80	2
442.51	443.04	98	131	51	3
443.04	443.57	100	118	81	2
444.58	445.08	75	87	63	2
445.08	445.61	74	94	60	3
446.61	447.11	79	98	59	2
447.11	447.61	107	128	85	2
448.64	449.00	66	69	62	2
449.00	449.66	133	137	128	2
450.66	451.16	159	190	128	2

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top (m)	bottom (m)	mean	maximum	minimum	sample
451.16	451.63	276	276	276	1
452.58	453.08	116	131	100	2
453.08	453.58	127	136	117	2
454.60	455.12	90	107	73	2
455.12	455.63	207	207	207	1
456.13	457.13	66	108	48	4
457.58	458.04	69	85	53	2
458.04	459.21	130	206	81	5
459.21	460.06	134	137	128	3
460.06	461.11	74	129	43	5
461.11	462.15	64	98	38	5
462.65	463.15	84	97	71	2
463.15	464.01	74	109	53	3
464.01	465.08	109	146	67	3
465.08	466.06	73	129	39	3
466.06	466.99	104	131	77	2
467.44	468.01	37	40	33	3
468.01	469.28	79	93	63	5
469.28	470.26	96	136	60	3
470.26	471.30	84	148	37	4
471.30	471.90	103	130	63	3
472.40	473.27	49	63	41	4
473.27	474.40	89	134	48	4
474.40	475.28	49	55	44	3
475.28	476.09	90	164	35	4
476.09	476.93	99	117	89	3
477.45	478.40	52	59	45	2
478.40	478.90	87	94	75	3
479.23	480.16	71	99	48	4
480.16	481.09	88	167	35	4
481.09	481.83	91	104	77	2
482.30	483.17	38	45	26	3
483.17	484.10	88	113	37	6
484.10	485.02	42	47	34	3
485.02	486.05	98	128	52	4
486.05	486.94	39	48	33	3
487.45	488.03	113	136	89	2
488.03	489.34	78	128	51	4
489.34	490.19	94	145	35	3
490.19	491.15	128	132	123	2
491.15	492.06	80	98	60	5
492.06	493.06	84	153	32	4
493.06	494.40	75	104	40	4
494.40	495.39	84	167	36	3
495.39	496.22	117	128	108	3
496.22	497.27	98	142	76	4
497.27	498.22	43	45	41	3
498.22	499.02	104	129	63	4
499.01	500.12	76	136	30	5
500.12	501.22	72	177	43	6
501.22	502.22	78	120	36	2
502.22	503.00	102	116	88	2
503.00	504.30	51	69	39	3

Mizuho 700m core [ECM (value of maximum signal in a core)]

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
504.03	505.03	95	125	74	4
505.03	506.03	48	66	32	4
506.03	507.01	104	137	89	4
507.01	508.33	108	139	60	3
508.33	509.07	57	75	33	4
509.07	510.15	80	113	46	2
510.15	511.48	73	173	43	5
511.48	512.48	142	150	133	2
512.48	513.01	145	164	125	2
513.01	514.06	44	59	31	6
514.01	515.41	60	85	43	4
515.41	516.41	48	76	29	3
516.41	517.04	103	143	66	4
517.04	518.00	91	107	66	4
518.00	519.98	76	111	47	5
519.24	520.11	90	111	48	4
520.11	521.25	67	117	38	5
521.25	522.39	163	282	94	4
522.39	523.14	77	109	45	2
523.14	524.16	44	63	33	4
524.16	525.02	112	135	49	5
525.02	526.21	67	122	41	4
526.21	527.00	107	125	83	3
527.00	528.00	90	117	75	4
528.00	529.22	67	111	38	3
529.22	530.22	70	127	38	3
530.22	531.00	81	155	43	3
531.00	532.24	131	150	110	5
532.24	533.04	93	163	43	4
533.04	534.15	89	151	31	4
534.15	535.08	80	134	37	4
535.08	536.10	74	101	46	2
536.10	537.12	76	119	41	4
537.12	538.08	82	119	44	2
538.07	539.44	98	141	35	3
539.44	540.07	91	132	49	2
540.07	541.11	90	130	52	5
541.11	542.09	50	67	32	3
542.09	542.59	99	99	99	1
543.12	544.12	105	129	72	4
544.12	545.12	45	57	33	3
545.12	546.12	70	110	16	5
546.12	547.12	52	62	47	4
547.12	548.08	107	127	78	4
548.14	549.14	125	162	81	4
549.14	550.14	43	54	32	4
550.14	551.11	132	138	129	3
551.11	552.00	105	115	95	2
552.50	553.00	127	144	109	2
553.00	554.00	57	88	32	4
554.00	555.60	126	133	116	3
555.00	556.44	65	101	38	4
556.44	556.94	115	118	112	2

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top (m)	bottom (m)	mean	maximum	minimum	sample
557.36	558.38	82	115	48	2
558.38	559.27	51	61	44	3
559.27	560.18	81	99	70	3
560.18	561.23	88	159	42	4
561.23	561.83	72	116	45	4
562.33	563.34	87	128	49	4
563.34	564.38	42	47	37	2
564.38	565.17	116	140	53	4
565.17	566.33	72	128	49	5
566.33	566.80	107	128	85	2
567.51	567.78	107	107	107	1
568.28	569.08	79	121	36	2
569.08	570.30	97	142	47	6
570.30	571.30	93	130	59	3
571.30	572.18	148	151	145	2
572.62	573.07	73	73	73	1
573.07	574.06	71	107	51	5
574.06	575.04	69	81	48	4
575.04	576.06	118	258	45	4
576.06	577.08	89	105	73	4
577.08	578.11	56	92	35	4
578.11	579.15	70	101	52	4
579.15	580.15	58	79	31	5
580.15	581.10	111	138	89	3
581.10	591.60	65	77	41	3
582.05	583.10	99	151	70	3
583.10	584.02	106	137	54	3
584.02	585.06	90	112	57	3
585.06	586.40	102	133	51	4
586.40	587.38	122	159	71	3
587.38	588.01	46	48	44	3
588.01	589.62	62	113	35	5
589.06	590.02	128	128	128	2
590.02	591.02	90	158	43	4
591.02	592.22	80	128	31	5
592.22	593.13	60	78	50	3
593.10	594.10	75	102	56	4
594.10	595.03	72	129	51	4
595.03	596.10	72	87	51	4
596.10	596.99	137	145	123	3
597.11	598.17	65	80	48	4
598.17	599.18	101	124	48	5
599.18	600.15	85	149	48	3
600.32	601.20	93	105	72	3
601.20	602.22	111	193	54	4
602.22	603.20	64	89	40	5
603.20	604.11	77	98	47	4
604.11	605.10	83	146	53	4
605.10	606.10	68	106	39	4
606.10	607.15	89	129	48	2
607.01	608.03	91	104	77	2
608.03	609.47	85	132	38	5
609.47	610.12	65	85	45	2

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top (m)	bottom (m)	mean	maximum	minimum	sample
610.12	611.45	52	73	33	6
611.54	612.07	124	124	124	1
612.07	613.15	86	126	53	3
613.15	614.11	46	53	39	4
614.11	615.08	95	129	49	3
615.08	616.04	45	68	27	4
616.04	617.24	102	135	67	4
617.24	618.06	44	48	38	3
618.06	619.22	76	110	41	6
619.22	620.00	49	80	35	5
620.00	621.03	89	129	67	5
621.03	622.14	62	109	38	5
622.14	623.14	88	100	75	4
623.14	624.13	72	110	49	4
624.13	625.11	92	117	67	3
625.11	626.04	89	118	59	2
626.04	627.04	92	149	54	8
627.04	628.12	85	116	55	4
628.12	629.20	81	104	65	3
629.20	630.16	111	134	89	4
630.16	631.12	61	106	35	5
631.12	632.07	75	121	46	5
632.07	633.06	74	94	57	4
633.06	634.00	84	119	44	4
634.00	635.07	84	147	39	6
635.07	636.01	105	131	55	3
636.01	637.04	130	182	74	4
637.04	638.20	82	92	74	4
638.20	639.07	94	218	38	5
639.07	640.05	68	129	39	5
640.05	641.29	105	146	70	4
641.29	642.15	69	98	54	4
642.15	643.04	77	109	53	5
643.04	644.15	58	103	17	6
644.15	645.15	47	69	37	4
645.03	646.05	64	94	41	5
646.05	647.19	74	91	42	3
647.19	648.35	81	107	60	3
648.35	649.22	73	96	59	4
649.22	650.07	80	119	49	5
650.07	651.21	67	77	61	4
651.21	652.17	63	126	46	7
652.17	653.17	69	86	56	7
653.17	654.00	61	96	37	6
654.00	655.22	80	129	37	8
655.22	656.27	82	128	48	6
656.27	657.11	77	128	53	5
657.11	658.14	54	99	34	10
658.14	659.10	71	108	26	4
659.10	660.09	64	77	51	4
660.33	661.09	71	123	47	4
661.09	662.02	55	63	38	8
662.02	663.07	58	103	33	6

Mizuho 700m core 【 ECM (value of maximum signal in a core)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
663.07	664.13	77	115	52	8
664.13	665.48	122	226	61	5
665.48	666.33	171	178	163	2
666.33	667.29	129	184	73	3
667.29	668.19	140	161	118	2
668.19	669.33	82	85	78	3
669.33	670.19	58	89	39	3
670.19	671.15	58	106	23	6
671.15	672.01	90	113	63	5
672.01	673.12	54	63	49	3
673.12	674.25	91	117	60	5
674.25	675.15	78	106	59	4
675.15	675.64	76	111	41	2
676.11	677.02	96	138	53	4
677.02	678.42	120	159	94	5
678.52	679.00	128	131	124	2
679.00	679.93	120	144	94	5
680.33	681.22	104	155	73	3
681.22	682.18	123	140	84	4
682.18	683.21	102	135	87	5
683.21	684.25	92	136	19	5
684.25	685.11	128	152	104	3
685.11	686.01	139	156	127	3
686.01	687.29	117	161	91	7
687.29	688.17	129	134	123	4
688.17	689.13	111	139	84	5
689.13	690.04	142	169	104	3
690.04	691.26	110	135	77	5
691.26	692.18	97	122	61	5
692.18	693.13	118	135	102	5
693.13	694.17	118	143	91	4
694.17	695.20	121	160	83	4
695.26	696.19	107	136	54	4
696.19	697.08	132	142	119	4
697.08	698.01	135	150	121	4
698.01	698.97	91	107	83	4
699.44	700.36	108	113	103	2
700.36	700.56	55	55	55	1

Mizuho 700m core		【Electric Conductivity (liquid)】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
49.80	50.00	1.84	1.93	1.78	4
50.00	50.80	2.04	2.34	1.88	16
54.90	55.00	1.76	1.77	1.74	2
55.00	55.90	1.98	2.29	1.67	18
59.00	60.00	1.98	2.56	1.75	20
60.72	61.02	2.19	2.46	1.74	6
61.02	61.20	2.24	2.42	2.12	4
66.51	67.00	1.97	2.17	1.78	10
67.00	67.50	2.07	2.28	1.78	10
71.37	72.00	2.15	2.59	1.79	20
82.00	82.50	2.14	2.36	1.98	10
87.00	87.50	2.11	2.41	1.90	10
103.95	104.00	1.86	1.86	1.86	1
104.00	104.29	2.29	2.60	1.90	6
107.16	107.66	2.06	2.24	1.70	17
109.63	109.95	1.80	2.04	1.53	6
113.21	113.50	2.13	2.28	1.95	6
115.46	116.00	2.25	2.86	1.76	11
117.65	118.00	2.06	2.40	1.88	7
118.00	118.62	2.18	2.32	2.04	7
121.96	122.01	1.97	1.97	1.97	1
122.01	122.30	2.03	2.23	1.82	6
124.13	124.38	2.12	2.27	1.99	5
125.98	126.03	2.04	2.04	2.04	1
126.03	127.02	2.00	2.46	1.72	16
127.02	127.88	2.12	2.81	1.71	17
129.96	130.01	2.02	2.02	2.02	1
130.01	130.17	2.38	2.57	2.24	3
131.21	131.58	2.24	3.09	1.81	7
134.69	134.97	2.12	2.49	1.90	6
138.41	138.64	2.37	2.46	2.20	5
140.57	141.03	2.15	3.96	1.69	9
141.79	141.98	2.01	2.19	1.91	4
142.65	143.00	1.92	2.29	1.63	7
143.00	143.65	2.00	2.27	1.67	13
146.67	147.02	1.92	2.04	1.74	7
147.02	147.70	1.92	2.32	1.62	13
150.74	151.04	2.11	2.31	1.95	5
151.04	152.00	2.01	2.66	1.57	19
152.00	153.00	2.24	3.21	1.63	25
153.00	154.04	2.25	2.82	1.83	26
154.04	155.02	1.84	2.14	1.46	19
155.02	156.02	2.09	2.50	1.78	25
156.02	157.04	2.08	2.73	1.58	25
157.04	158.01	2.02	2.37	1.66	19
158.01	158.29	2.23	2.59	1.93	6
160.32	161.00	2.01	3.38	1.60	26
161.00	162.02	2.03	2.74	1.73	24
162.02	163.02	2.08	2.92	1.57	31
163.02	164.00	2.06	2.54	1.60	38
164.00	165.04	2.03	2.59	1.74	38
165.04	166.02	2.08	2.56	1.61	40
166.02	167.02	2.17	2.80	1.75	29

Mizuho 700m core 【Electric Conductivity (liquid)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
167.02	168.03	2.09	2.45	1.73	20
168.03	169.04	1.80	2.25	1.58	20
169.04	169.89	1.74	2.45	1.52	17
171.42	172.02	1.97	2.62	1.60	22
172.02	173.04	1.99	2.47	1.73	20
173.04	174.04	2.21	3.50	1.87	20
174.04	175.00	2.02	2.67	1.49	19
175.00	176.02	2.01	2.31	1.73	20
176.02	177.02	1.92	2.48	1.26	20
177.02	178.01	1.89	2.16	1.63	20
178.01	179.03	1.91	2.50	1.44	21
179.03	180.02	1.70	1.94	1.50	19
180.02	180.52	1.92	2.34	1.64	20
182.04	183.04	1.97	2.31	1.57	13
183.04	184.02	1.88	2.16	1.66	20
184.02	185.02	1.94	2.62	1.09	20
185.02	186.02	1.88	2.29	1.52	20
186.02	187.03	1.87	2.18	1.66	22
187.03	188.05	1.96	2.37	1.61	20
188.05	189.03	1.82	2.22	1.37	19
189.03	189.60	2.02	2.36	1.66	11
191.10	192.01	2.13	2.39	1.90	21
192.01	193.00	2.21	2.73	1.91	19
193.00	194.01	2.17	2.55	1.89	20
194.01	195.00	2.05	2.27	1.84	16
195.00	195.20	1.93	2.04	1.86	4
196.73	197.03	2.06	2.42	1.67	6
197.03	197.24	3.16	4.75	2.17	4
199.26	199.75	1.88	2.21	1.54	9
200.26	200.76	2.20	2.56	1.88	10
202.89	203.04	1.84	1.98	1.67	3
203.04	203.90	2.05	2.21	1.89	17
204.40	205.01	1.79	2.09	1.61	12
205.01	206.01	1.92	2.16	1.77	12
206.01	206.80	1.93	2.25	1.75	16
207.20	208.00	1.95	2.20	1.84	5
208.00	208.30	1.91	2.01	1.75	7
209.33	210.03	2.37	3.05	1.97	15
210.03	211.01	2.10	2.49	1.89	21
211.01	211.34	1.96	2.26	1.74	7
212.85	213.00	2.15	2.37	1.98	3
213.00	214.03	1.88	2.20	1.54	18
214.03	215.03	1.96	2.38	1.73	22
215.03	216.02	1.92	2.19	1.60	22
216.02	216.98	1.86	2.23	1.62	19
217.86	218.01	1.94	2.03	1.89	3
218.01	218.85	1.91	2.34	1.60	19
219.00	220.01	1.90	2.09	1.74	21
220.01	221.02	1.98	2.24	1.76	30
221.02	222.02	2.01	2.36	1.78	19
222.87	223.03	1.99	2.03	1.96	3
223.03	224.02	2.24	2.69	1.78	15
224.02	225.00	2.29	2.72	1.87	40

Mizuho 700m core 【Electric Conductivity (liquid)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
225.00	226.00	2.38	2.70	2.00	40
226.00	227.00	2.36	2.90	1.92	40
227.00	228.04	2.29	2.84	1.82	34
228.04	229.03	2.11	2.55	1.73	40
229.03	230.03	2.14	2.67	1.72	40
230.03	230.68	2.26	2.56	1.91	26
231.43	232.00	2.25	3.02	2.02	12
232.00	232.96	2.24	2.72	1.86	26
233.46	233.96	2.22	2.69	1.76	10
234.96	235.01	2.26	2.26	2.26	1
235.01	235.45	2.08	2.38	1.67	9
236.97	237.02	2.17	2.37	1.97	2
237.02	237.50	1.99	2.46	1.37	20
238.45	238.95	2.10	2.38	1.74	10
239.45	240.00	2.13	2.62	1.83	11
240.00	240.49	1.97	2.43	1.68	10
242.10	243.01	2.13	2.38	1.86	29
243.01	244.02	1.95	2.34	1.78	10
244.02	244.12	1.88	1.90	1.86	2
245.13	245.64	2.04	2.43	1.69	11
246.14	246.65	2.15	2.37	2.03	10
247.14	247.67	2.24	2.85	1.98	21
248.67	249.02	1.94	2.27	1.75	7
249.02	249.15	1.76	1.85	1.67	3
250.07	250.57	1.93	2.07	1.74	10
252.10	252.60	2.12	2.30	1.64	14
253.64	254.04	2.12	2.34	1.95	8
254.04	255.01	2.03	2.33	1.83	9
255.01	255.71	1.91	2.30	1.67	14
256.73	257.03	1.96	2.33	1.55	14
257.03	257.23	2.24	2.63	1.91	8
258.23	259.00	2.01	2.41	1.72	17
259.00	260.03	1.97	2.31	1.60	11
260.03	260.23	2.10	2.38	1.75	4
261.75	262.00	1.94	2.17	1.76	9
262.00	262.25	1.98	2.45	1.57	10
264.86	265.01	2.21	2.43	2.08	3
265.01	265.38	2.14	2.53	1.88	7
266.43	267.04	2.18	2.70	1.83	13
267.04	268.01	2.00	2.38	1.69	28
268.85	270.00	2.02	2.06	1.98	3
269.01	269.53	1.88	2.03	1.72	10
270.00	271.03	2.01	2.39	1.77	15
271.99	272.04	2.41	2.41	2.41	1
272.04	272.49	2.43	2.78	2.11	18
274.93	275.03	1.61	1.66	1.56	2
275.03	276.03	1.99	2.35	1.67	10
276.03	277.03	2.20	2.67	1.99	11
277.03	277.41	2.43	3.10	1.70	16
278.35	279.00	1.92	2.24	1.69	13
279.05	280.00	2.15	2.50	1.78	9
280.00	280.34	1.90	2.29	1.59	7
281.85	282.00	2.16	2.24	2.09	5

Mizuho 700m core

【Electric Conductivity (liquid)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
282.00	282.35	2.33	2.95	1.85	14
284.85	285.00	1.77	1.88	1.66	3
285.00	285.35	1.89	2.04	1.63	7
286.85	287.00	1.90	2.04	1.82	3
287.00	287.27	1.84	1.96	1.64	5
288.27	288.79	1.89	2.22	1.62	10
289.80	290.00	2.11	2.30	1.89	4
290.00	290.30	2.14	2.19	2.11	6
291.30	292.00	2.05	2.79	1.67	14
292.00	292.30	2.36	2.62	2.13	6
294.68	295.03	2.10	2.25	1.86	7
295.03	295.65	2.32	2.61	2.10	12
296.15	296.66	2.33	2.69	2.03	10
297.16	298.06	2.67	4.37	1.78	26
298.59	299.04	1.95	2.19	1.77	9
299.04	300.03	2.04	2.22	1.79	8
300.03	300.09	2.22	2.22	2.22	1
301.09	301.59	2.11	2.35	2.00	16
302.10	303.01	2.25	2.69	1.91	18
303.01	303.61	2.22	2.56	2.09	12
304.61	305.01	2.18	2.40	1.97	8
305.01	305.11	2.18	2.30	2.05	2
307.11	307.62	2.08	2.47	1.71	20
311.76	312.06	2.47	2.94	2.20	10
312.01	312.26	2.54	3.00	2.24	6
315.24	315.76	2.01	2.18	1.79	10
316.82	317.02	2.05	2.14	1.98	4
317.02	318.01	2.22	2.56	1.95	12
318.01	318.36	2.17	2.58	1.96	7
319.36	319.86	2.05	2.27	1.83	10
320.83	321.03	2.54	2.71	2.45	4
321.03	322.03	2.21	2.44	1.96	13
322.03	322.88	2.00	2.50	1.70	23
325.82	326.02	2.04	2.15	1.96	4
326.02	327.01	2.29	3.51	1.92	10
327.01	327.31	2.17	2.61	1.89	6
328.31	329.01	2.04	2.43	1.78	14
329.01	329.31	1.89	2.00	1.79	6
330.71	331.01	1.88	2.02	1.66	6
331.01	331.20	2.45	2.65	2.32	4
332.20	332.70	2.07	2.38	1.90	20
333.61	334.01	1.65	1.76	1.55	8
334.01	334.11	2.07	2.20	1.94	2
335.12	335.50	1.83	2.02	1.63	8
336.53	337.02	2.63	3.57	2.00	10
337.02	338.04	2.18	2.81	1.82	20
339.07	339.57	2.17	2.93	1.69	10
340.11	340.57	2.08	2.50	1.83	9
341.89	342.04	2.27	2.34	2.12	5
342.04	342.34	2.66	3.40	2.34	12
343.33	343.83	2.19	2.52	1.78	10
344.79	345.04	1.86	2.09	1.69	5
345.04	345.29	2.01	2.13	1.90	5

Mizuho 700m core 【Electric Conductivity (liquid)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
346.83	347.03	2.05	2.18	1.97	4
347.03	347.33	2.12	2.57	1.83	6
348.34	348.86	2.15	2.49	1.86	11
349.86	350.01	2.16	2.28	2.01	6
350.01	350.38	1.97	2.65	1.71	14
351.39	352.03	2.42	3.77	2.03	23
352.03	352.44	2.20	2.60	1.93	16
353.45	353.95	1.79	1.88	1.72	10
354.95	355.00	3.23	3.23	3.23	1
355.00	355.45	2.18	2.36	2.00	9
356.95	357.00	2.21	2.21	2.21	1
357.00	357.45	2.46	3.18	1.81	9
358.47	359.02	2.04	2.24	1.81	11
359.02	359.47	2.22	2.46	2.03	9
361.90	362.00	1.82	1.87	1.72	3
362.00	363.03	2.05	2.24	1.80	19
363.03	364.01	1.94	2.38	1.40	20
364.01	365.03	2.07	2.50	1.73	10
365.03	365.33	2.19	2.59	1.94	6
366.75	367.00	2.12	2.24	1.97	5
367.00	367.27	2.00	2.23	1.81	6
371.80	372.00	1.98	2.27	1.68	7
372.00	373.01	1.97	2.24	1.64	16
373.01	373.82	1.98	2.25	1.73	16
374.82	375.02	2.23	2.79	1.92	4
375.02	375.33	2.02	2.14	1.94	6
376.86	377.01	1.93	2.02	1.84	3
377.01	377.87	2.21	2.70	1.93	18
380.33	380.79	2.11	2.55	1.78	9
381.81	382.01	2.49	3.51	2.08	7
382.01	383.02	2.07	2.48	1.72	15
383.02	383.38	1.80	1.93	1.64	7
386.93	387.03	2.06	2.26	1.90	3
387.03	387.43	1.98	2.04	1.83	8
391.86	392.01	1.89	1.97	1.85	3
392.01	392.36	3.34	4.99	2.24	7
395.31	395.81	2.07	2.22	1.87	10
396.77	397.02	2.20	2.43	1.93	5
397.02	397.30	2.12	2.62	1.87	6
400.30	400.85	1.88	2.14	1.64	10
402.82	403.00	1.93	2.10	1.78	5
403.00	403.26	2.00	2.44	1.84	9
404.18	404.78	1.91	2.17	1.70	10
406.15	406.65	1.78	2.09	1.55	10
407.15	407.61	2.23	2.78	1.64	10
408.62	409.03	1.90	2.20	1.64	9
409.03	409.12	2.06	2.17	1.94	2
410.11	410.54	1.94	2.22	1.76	8
411.74	412.04	1.83	2.25	1.59	6
412.04	413.03	1.71	1.85	1.62	5
413.03	414.00	1.97	2.46	1.62	15
415.36	415.80	1.80	2.31	1.27	9
416.79	417.04	2.19	2.44	1.91	5

Mizuho 700m core 【Electric Conductivity (liquid)】

core top (m)	bottom (m)	mean (μ S/cm)	maximum (μ S/cm)	minimum (μ S/cm)	sample
417.04	417.30	2.09	2.33	1.88	5
420.30	420.77	2.43	3.35	1.71	9
423.70	424.00	1.42	1.49	1.38	6
424.00	424.15	1.55	1.69	1.46	3
425.62	426.02	2.10	2.26	1.92	8
426.02	426.12	2.10	2.17	2.02	2
427.10	427.58	2.19	3.36	1.90	11
428.93	429.03	2.05	2.17	1.93	2
429.03	429.90	2.14	2.80	1.83	18
430.91	431.01	4.28	6.17	2.38	2
431.01	432.01	2.15	3.10	1.73	11
432.01	432.90	2.09	2.62	1.81	26
433.90	434.00	2.11	2.14	2.07	2
434.00	434.40	1.95	2.12	1.76	8
436.82	437.02	2.00	2.09	1.93	4
437.02	437.26	2.08	2.16	1.97	5
438.65	439.00	1.98	2.14	1.69	7
439.00	439.12	1.84	2.21	1.46	2
440.63	441.03	2.17	2.72	1.88	8
441.03	441.13	1.99	1.99	1.99	2
442.07	443.04	1.96	2.68	1.42	28
443.04	443.57	1.92	2.07	1.65	11
445.08	445.61	1.99	2.43	1.65	11
446.61	447.01	1.88	2.14	1.53	8
447.01	447.11	1.93	2.01	1.84	2
448.64	449.04	1.75	2.17	1.56	9
449.04	449.16	1.92	1.99	1.87	3
450.66	451.01	2.27	2.85	2.02	7
451.01	451.63	3.01	4.97	1.48	13
452.08	453.03	2.02	2.36	1.36	28
453.03	453.08	1.60	1.60	1.60	1
454.60	455.00	1.93	2.05	1.80	8
455.00	455.12	1.94	1.94	1.93	2
457.13	457.58	2.04	2.25	1.75	9
458.49	458.99	2.30	2.75	1.97	10
460.60	461.00	1.84	2.00	1.73	8
461.00	461.11	1.86	1.94	1.78	2
462.15	462.65	1.91	2.12	1.59	20
463.65	464.00	2.02	2.21	1.77	7
464.00	464.15	1.83	2.02	1.72	3
465.58	466.02	1.96	2.29	1.78	9
466.02	467.04	1.93	1.95	1.91	2
467.04	467.44	2.06	2.20	1.86	9
471.90	472.00	1.46	1.50	1.41	4
472.00	472.40	1.70	1.98	1.46	16
473.40	473.85	1.79	2.58	1.46	10
475.40	475.89	2.23	4.20	1.70	10
476.93	477.03	1.75	1.83	1.67	2
477.03	477.45	2.04	2.29	1.82	8
478.90	479.00	1.76	1.85	1.66	2
479.00	479.40	1.75	1.91	1.51	7
481.32	482.03	1.87	2.25	1.50	17
482.03	482.30	1.55	1.65	1.48	12

Mizuho 700m core		【Electric Conductivity (liquid)】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
483.22	483.68	2.07	2.31	1.89	9
485.02	485.44	1.88	2.22	1.60	9
486.94	487.04	2.29	2.47	2.11	2
487.04	487.45	2.01	2.29	1.34	8
489.34	489.79	1.93	2.32	1.74	9
491.15	491.60	1.80	1.91	1.62	9
492.06	492.56	2.25	4.38	1.57	20
496.85	497.00	2.16	2.33	2.03	6
497.00	497.27	2.12	2.33	1.97	10
498.72	499.00	2.00	2.14	1.81	5
499.00	499.20	1.96	2.04	1.89	4
502.48	503.00	2.08	2.29	1.77	19
504.53	505.03	1.90	2.13	1.52	10
507.01	507.53	2.03	2.36	1.74	10
509.49	509.99	1.92	2.22	1.65	10
510.99	511.04	1.72	1.72	1.72	1
511.04	512.03	1.86	2.07	1.67	10
512.03	512.48	2.05	2.40	1.89	18
514.01	514.50	1.85	2.04	1.62	10
516.91	517.01	2.05	2.12	1.98	2
517.01	517.41	1.96	2.19	1.76	8
519.41	519.91	1.72	1.88	1.55	10
521.97	522.02	2.03	2.03	2.03	1
522.02	522.90	1.89	2.47	1.63	17
524.40	527.75	1.92	2.28	1.75	10
526.50	527.00	1.77	2.03	1.50	10
527.00	527.50	1.95	2.13	1.72	10
529.22	529.72	1.90	2.07	1.70	10
531.24	532.04	1.92	2.41	1.44	21
532.04	532.69	1.95	2.24	1.70	17
534.15	534.65	2.03	2.46	1.75	10
536.60	537.00	2.00	2.16	1.86	9
537.00	537.12	2.11	2.12	2.09	2
538.96	539.01	2.30	2.30	2.30	1
539.01	539.44	2.34	2.51	2.16	9
542.09	542.59	1.98	2.42	1.68	20
545.62	546.02	1.93	2.24	1.67	8
546.02	546.12	1.74	1.78	1.70	2
547.12	547.62	2.06	2.39	1.79	19
548.64	549.04	2.78	5.20	1.81	8
549.04	549.14	2.22	2.58	1.85	2
550.14	550.66	1.89	2.15	1.71	10
552.00	553.00	1.86	2.28	1.46	30
556.94	557.04	2.02	2.08	1.95	4
557.04	557.36	2.40	3.23	2.19	14
558.85	559.00	2.09	2.31	1.88	3
559.00	559.38	2.05	2.14	1.97	7
560.93	561.03	2.22	2.37	2.06	2
561.03	562.03	2.32	2.79	1.88	15
562.03	562.33	2.10	2.34	2.01	12
563.88	564.03	1.53	1.71	1.28	3
564.03	564.38	1.62	1.76	1.44	7
566.80	567.00	1.99	2.08	1.93	4

Mizuho 700m core 【Electric Conductivity (liquid)】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
567.00	567.30	2.06	2.17	1.95	6
569.28	569.80	1.70	1.88	1.49	10
571.73	572.03	2.16	2.54	1.81	6
572.03	572.63	1.99	2.22	1.80	20
573.57	574.02	1.85	2.65	1.56	9
574.02	574.06	1.44	1.44	1.44	1
575.54	576.00	2.61	6.15	1.54	9
576.00	576.06	1.54	1.54	1.54	1
577.08	577.62	1.98	2.16	1.78	12
579.15	579.65	1.78	1.93	1.63	10
581.10	581.60	1.79	2.01	1.60	10
582.05	582.57	2.17	2.92	1.83	19
584.02	584.54	2.02	2.20	1.79	10
586.40	587.00	1.76	2.01	1.52	14
587.00	587.38	2.05	2.60	1.67	16
588.38	588.88	1.99	2.32	1.77	10
590.40	590.86	1.88	2.44	1.57	10
591.31	592.02	1.90	2.13	1.74	19
592.02	592.22	1.97	2.48	1.57	9
593.10	593.60	1.78	1.90	1.26	10
595.10	595.60	2.07	2.47	1.78	10
596.60	597.00	1.93	2.01	1.79	15
597.00	597.11	1.84	1.87	1.80	4
598.70	599.00	2.06	2.19	1.92	6
599.00	599.18	1.91	1.98	1.86	4
600.68	601.03	2.00	2.15	1.90	7
601.03	602.02	2.14	2.48	1.93	14
602.02	602.22	3.67	5.17	2.15	8
603.20	603.64	1.94	2.22	1.68	9
605.10	605.60	2.41	2.84	2.20	10
607.05	608.03	2.00	2.61	1.66	30
608.97	609.02	1.80	1.80	1.80	1
609.02	609.47	2.09	2.66	1.82	9
610.97	611.02	2.08	2.08	2.08	1
611.02	611.45	1.82	1.99	1.58	9
612.07	613.03	1.86	2.48	1.66	29
613.03	613.15	1.69	1.83	1.55	2
614.63	615.03	2.21	2.51	1.97	8
615.03	615.15	2.02	2.02	2.02	2
616.21	617.04	1.98	2.75	1.55	22
617.04	617.24	1.88	1.93	1.83	8
618.22	619.02	1.87	2.23	1.59	16
619.02	619.22	1.92	2.01	1.86	4
620.20	620.75	1.80	2.04	1.58	10
622.14	623.04	1.84	2.42	1.64	28
623.04	623.14	1.87	1.92	1.82	2
624.13	624.59	1.86	2.11	1.73	9
626.30	626.80	1.66	1.85	1.46	10
627.29	627.78	2.09	2.65	1.67	20
628.71	629.01	1.63	1.80	1.49	6
629.01	629.20	1.97	2.26	1.76	4
631.12	631.60	2.00	2.11	1.87	10
632.17	632.62	2.08	2.29	1.77	18

Mizuho 700m core		【Electric Conductivity (liquid)】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ S/cm)	(μ S/cm)	(μ S/cm)	
633.54	634.00	1.91	2.24	1.65	9
635.54	636.01	2.03	2.35	1.86	10
636.91	637.01	1.98	2.17	1.70	4
637.01	637.36	2.09	2.41	1.85	14
638.65	639.01	1.71	1.81	1.58	7
642.34	642.81	2.05	2.47	1.61	20
644.27	644.70	1.70	1.99	1.56	9
646.93	647.03	1.89	2.16	1.69	3
647.03	647.45	2.04	3.49	1.65	14
648.83	649.03	1.83	1.93	1.72	4
649.03	649.31	2.00	2.16	1.79	6
652.27	652.72	2.06	2.58	1.73	18
655.45	655.92	1.81	1.99	1.57	10
656.82	657.02	1.93	2.40	1.65	8
657.02	657.27	1.98	2.12	1.78	10
658.14	658.61	1.82	1.94	1.65	10
662.23	662.71	1.84	2.20	1.49	10
664.98	665.03	1.77	1.77	1.77	1
665.03	665.48	1.95	2.69	1.43	9
666.81	667.01	2.00	2.02	1.97	4
667.01	668.03	1.86	2.19	1.49	21
668.03	668.19	1.76	1.84	1.72	3
672.01	672.49	1.85	2.11	1.45	10
674.25	674.73	1.77	2.01	1.68	10
676.11	676.56	2.15	2.59	1.77	10
677.02	677.49	2.28	2.69	2.01	18
679.00	679.47	1.91	2.13	1.72	9
680.74	681.04	2.07	2.36	1.88	6
681.04	682.04	2.07	2.61	1.55	12
682.04	682.89	1.81	2.34	1.56	17
684.25	684.70	1.57	1.66	1.49	9
686.01	687.01	1.85	2.02	1.55	12
687.01	688.01	2.04	2.77	1.39	18
688.01	688.26	1.46	1.62	1.32	5
690.04	690.51	1.63	1.72	1.53	10
691.91	692.06	1.98	2.10	1.88	3
692.01	692.42	2.04	2.29	1.59	14
694.30	694.78	1.66	2.10	1.39	10
696.19	696.67	2.09	2.68	1.82	10
697.08	697.54	2.17	2.74	1.69	19
698.01	698.49	1.59	1.69	1.51	10
699.87	700.02	1.97	2.09	1.89	3
700.02	700.36	1.76	2.06	1.56	7

Mizuho 700m core [pH]

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
60.97	61.02	5.32	5.32	5.32	1
61.07	61.20	5.24	5.30	5.17	2
71.37	71.87	5.34	5.37	5.29	5
103.95	104.00	5.40	5.40	5.40	1
104.00	104.29	5.34	5.41	5.26	6
107.30	107.66	5.41	5.46	5.36	7
109.63	109.90	5.38	5.41	5.37	3
113.21	113.50	5.33	5.37	5.29	6
115.46	116.00	5.32	5.38	5.23	11
118.37	118.62	5.35	5.37	5.30	5
121.96	122.01	5.30	5.30	5.30	1
122.21	122.26	5.40	5.40	5.40	1
124.13	124.38	5.37	5.39	5.35	5
125.98	126.03	5.30	5.30	5.30	1
126.03	126.29	5.33	5.35	5.29	5
127.51	127.88	5.35	5.40	5.30	8
129.96	130.01	5.37	5.37	5.37	1
130.01	130.17	5.31	5.34	5.30	3
131.21	131.58	5.33	5.35	5.28	7
134.69	134.97	5.40	5.48	5.34	6
138.41	138.64	5.31	5.35	5.29	5
140.62	141.03	5.35	5.38	5.31	6
141.79	141.98	5.36	5.38	5.34	4
152.75	153.00	5.32	5.37	5.24	5
153.00	153.24	5.36	5.43	5.30	5
155.77	156.02	5.34	5.35	5.31	5
156.02	156.29	5.30	5.40	5.22	5
160.67	161.00	5.36	5.41	5.33	5
161.00	161.31	5.38	5.41	5.36	6
162.37	163.02	5.30	5.38	5.23	11
163.02	164.00	5.37	5.43	5.31	20
164.00	165.04	5.36	5.44	5.28	20
165.04	166.02	5.38	5.43	5.32	20
166.02	166.47	5.32	5.37	5.25	9
171.82	171.87	5.34	5.34	5.34	1
190.15	190.75	5.32	5.40	5.22	4
191.10	192.01	5.31	5.40	5.25	5
192.01	193.00	5.34	5.41	5.25	19
193.00	194.01	5.35	5.42	5.26	20
194.01	194.50	5.35	5.39	5.30	10
200.31	200.76	5.30	5.36	5.23	7
207.20	207.25	5.38	5.38	5.38	1
210.36	210.86	5.35	5.39	5.30	10
220.45	220.87	5.38	5.40	5.36	9
223.63	224.02	5.28	5.29	5.26	8
224.02	225.00	5.31	5.37	5.26	20
225.00	226.00	5.30	5.35	5.26	20
226.00	227.00	5.32	5.38	5.26	20
227.00	228.04	5.32	5.37	5.24	22
228.04	229.03	5.34	5.37	5.29	20
229.03	230.03	5.33	5.44	5.27	20
230.03	230.68	5.34	5.39	5.26	13
231.95	232.00	5.22	5.22	5.22	1

Mizuho 700m core

【 pH 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
232.05	232.40	5.35	5.40	5.27	7
236.97	237.02	5.30	5.30	5.30	1
237.02	237.50	5.34	5.39	5.31	10
242.20	242.54	5.36	5.38	5.34	6
247.14	247.67	5.29	5.34	5.24	11
252.25	252.55	5.35	5.38	5.33	6
256.73	257.03	5.34	5.41	5.29	7
257.03	257.23	5.34	5.40	5.29	4
261.80	262.00	5.36	5.37	5.36	3
262.05	262.10	5.33	5.33	5.33	1
266.99	267.04	5.32	5.32	5.32	1
267.04	267.51	5.37	5.40	5.32	9
268.85	270.00	5.38	5.39	5.37	3
270.00	270.25	5.39	5.41	5.37	5
271.99	272.04	5.31	5.31	5.31	1
272.04	272.25	5.33	5.34	5.32	2
276.93	277.03	5.34	5.35	5.33	2
277.03	277.41	5.30	5.38	5.19	8
281.90	281.95	5.31	5.31	5.31	1
282.00	282.35	5.31	5.36	5.26	4
291.80	292.00	5.28	5.33	5.22	3
292.05	292.30	5.35	5.37	5.30	3
297.16	297.54	5.23	5.38	5.03	8
302.10	302.61	5.29	5.40	5.19	10
307.11	307.62	5.37	5.41	5.31	10
311.76	312.06	5.34	5.39	5.28	5
312.06	312.11	5.36	5.36	5.36	1
317.17	317.32	5.36	5.39	5.35	3
321.83	321.93	5.34	5.35	5.33	2
322.08	322.33	5.30	5.39	5.14	5
332.35	332.40	5.30	5.30	5.30	1
341.94	342.04	5.38	5.38	5.37	2
342.04	342.34	5.34	5.37	5.29	6
349.91	350.01	5.27	5.27	5.27	2
350.01	350.38	5.19	5.26	5.11	5
351.39	352.03	5.34	5.40	5.25	11
352.03	352.44	5.37	5.41	5.29	8
361.95	362.00	5.36	5.36	5.36	1
362.05	362.38	5.32	5.38	5.23	6
371.85	372.00	5.39	5.43	5.35	3
372.00	372.30	5.37	5.41	5.32	6
377.06	377.11	5.39	5.39	5.39	1
381.86	382.01	5.37	5.45	5.31	3
382.01	382.32	5.35	5.39	5.30	5
386.93	386.98	5.41	5.41	5.41	1
403.10	403.16	5.36	5.36	5.36	1
421.75	422.00	5.29	5.36	5.21	5
422.00	422.25	5.30	5.32	5.28	5
427.25	427.30	5.35	5.35	5.35	1
431.91	432.01	5.35	5.37	5.32	2
432.01	432.40	5.36	5.40	5.33	8
442.12	442.51	5.37	5.48	5.30	8
452.08	452.58	5.34	5.40	5.19	10

Mizuho 700m core 【 pH 】

core top (m)	bottom (m)	mean	maximum	minimum	sample
462.15	462.65	5.35	5.67	5.20	10
467.24	467.29	5.36	5.36	5.36	1
471.90	472.00	5.43	5.45	5.41	2
472.00	472.40	5.35	5.38	5.31	8
481.83	482.03	5.41	5.51	5.35	4
482.03	482.30	5.38	5.40	5.35	6
492.06	492.56	5.49	6.61	5.29	10
496.85	497.00	5.31	5.34	5.30	3
497.00	497.27	5.33	5.36	5.31	5
502.48	503.00	5.35	5.44	5.30	9
512.03	512.48	5.35	5.38	5.30	9
521.97	522.02	5.39	5.39	5.39	1
522.02	522.39	5.35	5.37	5.31	7
531.74	532.04	5.38	5.58	5.30	6
532.04	532.24	5.33	5.35	5.30	4
536.60	536.65	5.39	5.39	5.39	1
542.09	542.59	5.35	5.41	5.24	10
547.12	547.62	5.37	5.40	5.30	10
552.00	552.50	5.40	5.82	5.32	10
556.94	557.04	5.36	5.36	5.36	2
557.04	557.36	5.33	5.35	5.29	7
561.83	562.03	5.33	5.34	5.31	4
562.03	562.28	5.31	5.33	5.30	5
572.18	572.63	5.38	5.41	5.30	9
577.08	577.13	5.47	5.47	5.47	1
582.05	582.57	5.35	5.40	5.25	10
586.90	587.00	5.36	5.38	5.33	2
587.00	587.38	5.36	5.39	5.29	8
591.72	592.02	5.41	5.46	5.37	5
592.02	592.22	5.39	5.43	5.32	5
596.60	596.85	5.31	5.33	5.28	3
597.00	597.11	5.34	5.34	5.33	2
601.72	602.02	5.27	5.32	5.23	6
602.02	602.22	5.14	5.27	4.99	4
607.05	607.53	5.34	5.39	5.29	10
612.07	612.62	5.35	5.38	5.31	10
616.74	617.04	5.39	5.47	5.34	6
617.04	617.24	5.35	5.36	5.33	4
622.14	622.64	5.34	5.38	5.27	10
627.29	627.78	5.32	5.37	5.28	10
632.17	632.62	5.36	5.58	5.31	9
636.91	637.01	5.37	5.38	5.35	2
637.01	637.36	5.34	5.43	5.30	6
642.34	642.81	5.37	5.40	5.33	10
646.93	646.98	5.34	5.34	5.34	1
647.03	647.45	5.59	6.92	5.31	7
652.27	652.72	5.33	5.44	5.27	9
656.82	656.87	5.23	5.23	5.23	1
657.07	657.27	5.30	5.34	5.21	4
677.02	677.49	5.33	5.35	5.29	9
686.96	687.01	5.51	5.51	5.51	1
687.01	687.36	5.45	6.11	5.25	7
691.96	692.06	5.35	5.35	5.35	1

Mizuho 700m core 【 pH 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)				
692.06	692.42	5.38	5.55	5.28	7

Mizuho 700m core [Concentration of ion; C l⁻]

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ g/l)	(μ g/l)	(μ g/l)	
60.72	61.02	43.64	93.34	19.42	6
61.02	61.20	69.56	89.19	48.98	4
71.37	71.87	41.95	68.35	11.79	10
109.63	109.95	47.76	82.16	27.72	6
121.96	122.01	34.27	34.27	34.27	1
122.01	122.30	54.96	98.66	24.20	6
131.21	131.58	38.41	61.66	19.53	7
140.57	141.03	65.41	140.27	34.55	9
150.74	151.04	54.54	77.95	40.17	5
151.09	151.25	52.51	94.35	27.88	3
160.32	160.85	57.05	165.94	19.16	10
171.42	171.92	48.25	89.20	10.78	10
180.02	180.52	46.80	100.93	29.07	10
191.10	191.60	40.75	86.15	20.23	10
200.26	200.76	69.73	119.99	33.19	10
220.40	220.87	38.76	67.00	21.03	10
232.00	232.05	38.11	38.11	38.11	1
242.10	242.61	37.98	51.01	21.28	11
252.10	252.60	35.26	49.90	17.64	4
261.75	262.00	27.48	34.11	19.96	5
262.00	262.25	28.07	56.22	16.49	5
271.99	272.04	18.60	18.60	18.60	1
272.04	272.49	24.80	61.21	8.91	9
281.85	282.00	26.88	38.42	18.61	3
282.00	282.35	31.35	54.19	7.49	7
291.80	292.00	58.81	74.50	40.79	4
292.00	292.30	46.83	67.48	31.12	6
301.09	301.56	40.33	71.17	17.12	8
302.10	302.61	31.67	54.08	17.41	10
321.83	322.03	40.40	72.41	24.11	4
322.03	322.33	26.81	48.70	15.37	6
332.20	332.70	50.98	93.48	19.59	10
341.89	342.04	92.87	106.00	79.52	3
342.04	342.34	65.76	78.20	50.75	6
349.86	350.01	54.28	128.95	11.37	3
350.01	350.38	50.54	65.42	24.13	7
361.90	362.00	12.23	17.80	6.66	2
362.00	362.38	38.30	62.71	12.96	8
371.80	372.00	31.63	46.74	9.02	4
372.00	372.30	49.11	63.50	33.86	6
381.81	382.01	45.44	67.70	21.09	4
382.01	382.32	41.33	67.71	18.11	6
402.82	403.00	22.41	42.89	8.91	3
403.00	403.23	17.81	24.84	12.65	4
421.75	422.00	37.37	48.00	27.89	5
422.00	422.25	25.90	47.46	12.99	5
431.91	431.96	21.77	21.77	21.77	1
442.07	442.12	110.29	110.29	110.29	1
452.08	452.13	21.60	21.60	21.60	1
462.15	462.65	41.84	95.19	12.26	10
471.90	472.00	26.06	29.79	22.33	2
472.00	472.40	27.50	42.60	14.29	8
481.83	482.03	22.26	26.14	16.16	4

Mizuho 700m core 【 Concentration of ion; C l⁻ 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ g/l)	(μ g/l)	(μ g/l)	
482.03	482.30	30.87	45.81	14.63	6
496.85	497.00	42.24	44.38	38.13	3
497.00	497.27	50.86	69.62	25.32	5
502.48	503.00	39.29	52.62	19.97	10
511.98	512.03	16.27	16.27	16.27	1
512.03	512.48	52.26	70.69	32.61	9
521.92	522.02	48.96	59.26	38.65	2
522.02	522.39	32.42	48.23	19.91	7
531.74	532.04	25.17	42.44	11.46	6
532.04	532.24	20.24	29.65	14.13	4
542.09	542.59	40.90	89.29	20.81	10
547.12	547.17	29.35	29.35	29.35	1
552.00	552.50	41.13	69.52	24.73	10
556.94	557.04	33.22	42.97	23.47	2
557.04	557.36	48.44	92.68	7.70	7
561.83	562.03	40.92	73.09	17.51	4
562.03	562.33	40.41	94.48	11.43	6
572.18	572.23	19.91	19.91	19.91	1
582.05	582.10	28.69	28.69	28.69	1
596.60	597.00	26.84	36.56	18.29	8
597.00	597.11	29.53	32.94	26.12	2
601.72	601.77	36.11	36.11	36.11	1
612.07	612.62	26.20	40.40	10.68	11
616.74	617.04	26.49	33.42	13.40	6
617.04	617.24	29.99	57.01	19.91	4
622.14	622.64	21.47	37.97	8.95	10
637.06	637.36	35.80	48.15	22.96	6
646.98	647.03	23.92	23.92	23.92	1
656.82	657.02	20.96	22.66	19.55	4
657.02	657.27	37.30	53.00	17.68	5
686.91	686.96	35.46	35.46	35.46	1
691.91	691.96	14.13	14.13	14.13	1
697.08	697.54	17.76	30.89	8.04	10

Mizuho 700m core 【 Concentration of ion; NO_3^- 】

core top (m)	bottom (m)	mean ($\mu\text{g/l}$)	maximum ($\mu\text{g/l}$)	minimum ($\mu\text{g/l}$)	sample
60.72	61.02	22.83	35.57	4.72	6
61.02	61.20	19.94	27.62	11.97	3
71.37	71.87	49.06	56.64	39.65	10
109.63	109.95	45.29	64.80	21.37	6
121.96	122.01	47.23	47.23	47.23	1
122.01	122.30	30.47	45.12	16.26	6
131.21	131.58	66.16	97.37	12.36	7
140.57	141.03	24.53	51.05	5.37	9
150.74	151.04	25.84	37.06	15.98	5
151.09	151.25	37.76	44.17	28.17	3
160.32	160.85	32.56	46.65	17.87	10
171.42	171.92	44.08	71.23	16.71	10
180.02	180.52	42.33	69.25	22.32	10
191.10	191.60	57.58	86.01	15.34	10
200.26	200.76	53.73	65.81	40.24	10
220.40	220.87	40.43	46.42	35.08	10
232.00	232.05	57.93	57.93	57.93	1
242.10	242.61	73.75	90.29	49.34	11
252.10	252.60	71.94	76.87	68.42	4
261.75	262.00	39.10	42.35	35.73	5
262.00	262.25	41.18	49.53	35.22	5
271.99	272.04	52.80	52.80	52.80	1
272.04	272.49	50.79	59.03	45.64	9
281.85	282.00	55.36	72.55	32.88	3
282.00	282.35	55.66	67.53	47.58	7
291.80	292.00	55.96	62.99	51.17	4
292.00	292.30	64.07	83.05	46.15	6
301.09	301.56	49.69	58.92	40.23	8
302.10	302.61	102.10	173.47	51.49	10
321.83	322.03	39.86	47.85	29.39	4
322.03	322.33	60.69	80.90	44.61	6
332.20	332.70	78.51	130.90	52.29	10
341.89	342.04	59.71	67.74	47.36	3
342.04	342.34	80.56	97.19	63.27	6
349.86	350.01	67.06	89.19	45.95	3
350.01	350.38	49.06	67.15	26.57	7
361.90	362.00	57.18	57.57	56.79	2
362.00	362.38	94.71	121.08	51.55	8
371.80	372.00	63.53	73.02	50.88	4
372.00	372.30	56.95	76.99	37.36	6
381.81	382.01	70.93	86.65	48.78	4
382.01	382.32	74.79	91.17	52.66	6
402.82	403.00	48.23	55.89	37.53	3
403.00	403.23	47.32	58.98	36.82	4
421.75	422.00	48.32	51.33	46.01	5
422.00	422.25	58.05	64.86	46.66	5
431.91	431.96	63.89	63.89	63.89	1
442.07	442.12	40.08	40.08	40.08	1
452.08	452.13	76.51	76.51	76.51	1
462.15	462.65	67.33	87.15	24.06	10
471.90	472.00	39.03	41.38	36.68	2
472.00	472.40	59.56	96.23	33.23	8
481.83	482.03	49.78	55.66	44.80	4

Mizuho 700m core 【 Concentration of ion; N O₃⁻】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ g/l)	(μ g/l)	(μ g/l)	
482.03	482.30	58.98	66.93	50.46	6
496.85	497.00	65.77	69.15	60.20	3
497.00	497.27	67.46	75.12	61.62	5
502.48	503.00	88.67	117.04	62.94	10
511.98	512.03	74.17	74.17	74.17	1
512.03	512.48	70.21	85.00	54.27	9
521.92	522.02	30.05	34.69	25.40	2
522.02	522.39	45.34	61.52	32.04	7
531.74	532.04	62.00	69.91	55.57	6
532.04	532.24	60.35	69.50	54.70	4
542.09	542.59	53.60	68.46	41.25	10
547.12	547.17	69.18	69.18	69.18	1
552.00	552.50	63.58	93.40	44.75	10
556.94	557.04	26.64	26.65	26.62	2
557.04	557.36	39.35	47.31	23.74	7
561.83	562.03	69.65	81.39	58.88	4
562.03	562.33	61.94	70.23	49.85	6
572.18	572.23	57.66	57.66	57.66	1
582.05	582.10	58.61	58.61	58.61	1
596.60	597.00	49.08	63.38	38.06	8
597.00	597.11	43.70	47.47	39.93	2
601.72	601.77	39.56	39.56	39.56	1
612.07	612.62	52.24	59.57	37.23	11
616.74	617.04	47.98	51.48	43.74	6
617.04	617.24	61.76	72.25	45.31	4
622.14	622.64	61.55	68.31	53.64	10
637.06	637.36	68.30	79.86	52.46	6
646.98	647.03	48.17	48.17	48.17	1
656.82	657.02	40.92	47.93	34.47	4
657.02	657.27	49.08	66.40	32.46	5
686.91	686.96	57.06	57.06	57.06	1
691.91	691.96	78.53	78.53	78.53	1
697.08	697.54	62.13	94.09	39.64	10

Mizuho 700m core 【 Concentration of ion; SO_4^{2-} 】

core top (m)	bottom (m)	mean ($\mu\text{g/l}$)	maximum ($\mu\text{g/l}$)	minimum ($\mu\text{g/l}$)	sample
60.72	61.02	78.94	131.17	42.27	6
61.02	61.20	81.58	86.35	73.26	4
71.37	71.87	48.47	83.15	25.95	10
109.63	109.95	36.55	49.19	22.92	6
121.96	122.01	41.60	41.60	41.60	1
122.01	122.30	37.95	51.32	22.65	6
131.21	131.58	51.88	74.79	32.59	7
140.57	141.03	38.91	62.94	26.53	9
150.74	151.04	64.00	81.70	31.79	5
151.09	151.25	56.18	65.82	48.27	3
160.32	160.85	55.41	95.29	23.94	10
171.42	171.92	46.02	79.78	19.85	10
180.02	180.52	72.25	153.38	35.08	10
191.10	191.60	63.03	85.39	30.06	10
200.26	200.76	98.96	158.44	45.66	10
220.40	220.87	51.30	79.92	31.85	10
232.00	232.05	27.52	27.52	27.52	1
242.10	242.61	47.22	72.64	24.68	11
252.10	252.60	47.91	73.72	28.21	4
261.75	262.00	49.01	61.04	33.51	5
262.00	262.25	44.85	58.83	35.44	5
271.99	272.04	46.61	46.61	46.61	1
272.04	272.49	55.40	83.52	35.89	9
281.85	282.00	67.83	117.11	32.28	3
282.00	282.35	49.49	67.00	31.47	7
291.80	292.00	68.88	140.23	34.36	4
292.00	292.30	55.77	78.38	32.00	6
301.09	301.56	33.76	43.96	20.30	8
302.10	302.61	54.21	86.20	27.73	10
321.83	322.03	35.79	44.08	25.90	4
322.03	322.33	60.03	96.49	34.56	6
332.20	332.70	52.67	94.45	40.33	10
341.89	342.04	37.58	47.73	27.48	3
342.04	342.34	73.88	100.92	53.86	6
349.86	350.01	66.88	79.98	43.11	3
350.01	350.38	51.14	107.10	30.69	7
361.90	362.00	26.23	26.82	25.63	2
362.00	362.38	45.55	58.64	30.53	8
371.80	372.00	44.58	64.25	25.66	4
372.00	372.30	41.02	61.81	26.94	6
381.81	382.01	39.11	46.99	31.45	4
382.01	382.32	51.03	95.32	22.78	6
402.82	403.00	35.79	46.33	20.78	3
403.00	403.23	40.48	46.11	27.84	4
421.75	422.00	53.75	60.48	46.51	5
422.00	422.25	57.02	77.79	49.17	5
431.91	431.96	42.36	42.36	42.36	1
442.07	442.12	43.87	43.87	43.87	1
452.08	452.13	35.84	35.84	35.84	1
462.15	462.65	49.68	80.75	26.15	10
471.90	472.00	41.05	44.65	37.44	2
472.00	472.40	48.76	83.19	32.21	8
481.83	482.03	48.40	53.78	38.04	4

Mizuho 700m core 【 Concentration of ion; S O 4 ^{2 -} 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ g/l)	(μ g/l)	(μ g/l)	
482.03	482.30	46.16	51.29	39.02	6
496.85	497.00	47.81	57.68	40.00	3
497.00	497.27	41.62	52.28	35.87	5
502.48	503.00	55.91	75.85	27.84	10
511.98	512.03	29.41	29.41	29.41	1
512.03	512.48	41.83	56.04	34.30	9
521.92	522.02	59.52	73.66	45.38	2
522.02	522.39	61.87	81.70	54.23	7
531.74	532.04	44.31	64.06	31.27	6
532.04	532.24	66.91	70.22	62.96	4
542.09	542.59	59.05	75.41	44.00	10
547.12	547.17	55.15	55.15	55.15	1
552.00	552.50	52.65	72.26	34.78	10
556.94	557.04	43.74	45.74	41.73	2
557.04	557.36	51.11	72.10	31.41	7
561.83	562.03	56.50	86.91	23.00	4
562.03	562.33	47.60	57.19	37.55	6
572.18	572.23	31.47	31.47	31.47	1
582.05	582.10	28.30	28.30	28.30	1
596.60	597.00	45.92	65.42	36.31	8
597.00	597.11	44.73	45.84	43.62	2
601.72	601.77	52.50	52.50	52.50	1
612.07	612.62	55.74	89.26	38.77	11
616.74	617.04	64.47	155.44	31.67	6
617.04	617.24	56.64	64.30	47.76	4
622.14	622.64	58.13	109.71	32.34	10
637.06	637.36	52.17	71.11	33.87	6
646.98	647.03	35.73	35.73	35.73	1
656.82	657.02	68.51	131.90	25.67	4
657.02	657.27	44.19	56.06	34.52	5
686.91	686.96	31.27	31.27	31.27	1
691.91	691.96	45.05	45.05	45.05	1
697.08	697.54	50.11	89.75	27.16	10

Mizuho 700m core		【 Concentration of ion; N a ⁺ 】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ g/l)	(μ g/l)	(μ g/l)	
60.72	61.02	15.38	36.86	2.99	6
61.02	61.20	25.92	35.39	16.87	4
71.37	71.87	15.45	26.42	1.77	10
109.63	109.95	30.53	59.21	12.15	6
121.96	122.01	14.07	14.07	14.07	1
122.01	122.30	20.29	34.69	9.76	6
131.21	131.58	13.91	23.01	6.15	7
140.57	141.03	25.84	75.49	10.10	9
150.74	151.04	21.35	32.70	16.16	5
151.09	151.15	15.22	15.22	15.22	1
160.32	160.85	20.24	56.00	3.66	10
171.42	171.92	15.92	30.25	1.99	10
180.02	180.52	16.92	35.92	7.66	10
191.10	191.60	15.50	30.84	3.58	10
200.26	200.76	29.99	60.16	9.87	10
220.40	220.87	15.39	30.47	6.79	10
232.00	232.05	14.86	14.86	14.86	1
242.10	242.61	15.54	21.30	8.93	11
252.10	252.60	15.24	21.31	8.36	4
261.75	262.00	12.37	16.60	8.84	5
262.00	262.25	12.04	27.27	5.08	5
271.99	272.04	7.05	7.05	7.05	1
272.04	272.49	9.15	24.32	1.40	9
281.85	282.00	12.91	20.54	7.83	3
282.00	282.35	12.74	20.15	2.00	7
291.80	292.00	25.12	28.90	17.76	4
292.00	292.30	21.11	28.61	13.49	6
301.09	301.56	22.20	34.32	11.32	8
302.10	302.61	11.50	19.72	5.59	10
321.83	322.03	23.30	33.27	13.18	4
322.03	322.33	10.37	20.44	4.32	6
332.20	332.70	30.80	68.55	6.63	10
341.89	342.04	43.83	50.08	36.67	3
342.04	342.34	29.01	33.66	21.53	6
349.86	350.01	19.39	44.65	4.37	3
350.01	350.38	23.20	32.11	10.80	7
361.90	362.00	3.11	5.53	0.69	2
362.00	362.38	15.50	26.95	2.33	8
371.80	372.00	12.80	23.43	2.32	4
372.00	372.30	21.56	28.79	13.69	6
381.81	382.01	16.24	23.79	5.66	4
382.01	382.32	34.97	82.14	7.62	6
402.82	403.00	11.30	19.23	4.46	3
403.00	403.23	10.81	15.63	6.29	4
421.75	422.00	15.58	20.49	11.14	5
422.00	422.25	9.90	18.90	4.54	5
431.91	431.96	8.57	8.57	8.57	1
442.07	442.12	46.16	46.16	46.16	1
452.08	452.13	9.34	9.34	9.34	1
462.15	462.65	15.45	41.58	1.75	10
471.90	472.00	9.76	12.63	6.88	2
472.00	472.40	11.16	21.55	5.07	8
481.83	482.03	7.42	9.87	5.21	4

Mizuho 700m core		【 Concentration of ion; N a ⁺ 】			
core top (m)	bottom (m)	mean (μ g/l)	maximum (μ g/l)	minimum (μ g/l)	sample
482.03	482.30	12.25	20.00	4.28	6
496.85	497.00	15.94	19.20	12.80	3
497.00	497.27	16.43	23.70	6.75	5
502.48	503.00	15.69	21.85	7.87	10
511.98	512.03	4.95	4.95	4.95	1
512.03	512.48	21.54	32.44	10.42	9
521.92	522.02	22.37	29.67	15.06	2
522.02	522.39	11.29	15.33	6.05	7
531.74	532.04	9.20	17.96	2.81	6
532.04	532.24	7.18	12.00	2.95	4
542.09	542.59	17.25	43.21	7.39	10
547.12	547.17	12.40	12.40	12.40	1
552.00	552.50	16.60	30.47	9.29	10
556.94	557.04	13.50	18.21	8.78	2
557.04	557.36	19.54	38.64	2.09	7
561.83	562.03	17.50	35.41	4.41	4
562.03	562.33	17.15	40.58	4.41	6
572.18	572.23	5.89	5.89	5.89	1
582.05	582.10	11.24	11.24	11.24	1
596.60	597.00	12.30	16.80	7.85	8
597.00	597.11	13.20	14.64	11.75	2
601.72	601.77	13.40	13.40	13.40	1
612.07	612.62	9.98	17.72	2.24	11
616.74	617.04	9.52	12.98	4.37	6
617.04	617.24	10.94	22.74	6.42	4
622.14	622.64	7.49	12.72	2.19	10
637.06	637.36	15.09	20.79	10.92	6
646.98	647.03	10.08	10.08	10.08	1
656.82	657.02	8.40	9.60	7.62	4
657.02	657.27	15.67	23.90	7.20	5
686.91	686.96	18.44	18.44	18.44	1
691.91	691.96	6.20	6.20	6.20	1
697.08	697.54	10.11	19.58	2.74	10

Mizuho 700m core		【 Concentration of ion; K ⁺ 】			
core top	bottom	mean	maximum	minimum	sample
(m)	(m)	(μ g/l)	(μ g/l)	(μ g/l)	
60.77	61.02	0.72	1.11	0.43	5
61.02	61.20	1.29	2.53	0.51	3
71.42	71.67	0.85	0.97	0.66	3
109.63	109.95	13.57	34.48	2.44	6
122.01	122.30	0.86	1.56	0.41	6
140.62	141.03	3.99	13.98	0.70	7
150.74	151.04	2.55	4.19	1.16	5
151.09	151.15	2.58	2.58	2.58	1
160.57	160.67	123.28	246.30	0.26	2
171.67	171.62	5.86	5.86	5.86	1
180.44	180.48	1.74	1.74	1.74	1
191.20	191.60	0.59	1.00	0.35	5
200.26	200.76	2.25	2.47	2.02	2
220.40	220.45	0.77	0.77	0.77	1
232.00	232.05	1.73	1.73	1.73	1
242.10	242.61	1.01	2.38	0.36	5
252.10	252.60	1.75	1.85	1.63	3
261.75	261.85	1.01	1.53	0.49	2
262.10	262.25	0.88	1.27	0.48	2
271.99	272.04	0.92	0.92	0.92	1
272.35	272.49	0.82	1.04	0.59	2
281.85	281.95	0.17	0.21	0.12	2
282.00	282.35	0.91	1.11	0.73	3
291.80	292.00	0.82	1.24	0.25	3
292.00	292.25	0.70	1.09	0.47	5
301.09	301.56	1.20	3.84	0.25	6
302.10	302.45	0.82	1.00	0.55	5
321.83	321.88	3.93	3.93	3.93	1
322.28	322.33	0.84	0.84	0.84	1
332.20	332.55	15.20	16.65	13.75	2
341.89	342.04	1.42	2.44	0.39	2
342.04	342.34	1.33	2.06	0.72	3
349.86	349.91	0.75	0.75	0.75	1
350.01	350.38	1.52	3.64	0.53	6
371.80	371.95	1.16	1.63	0.69	2
381.81	382.01	12.46	34.53	2.54	4
382.06	382.32	28.18	41.72	1.21	4
402.82	403.00	2.15	4.23	0.38	3
403.00	403.23	0.69	0.81	0.53	4
421.75	422.00	0.85	1.24	0.45	4
422.00	422.15	0.53	0.60	0.46	3
431.91	431.96	1.97	1.97	1.97	1
442.07	442.12	2.01	2.01	2.01	1
452.08	452.13	1.61	1.61	1.61	1
462.15	462.65	1.03	1.45	0.51	7
481.83	481.88	1.58	1.58	1.58	1
496.85	496.90	3.50	3.50	3.50	1
502.48	502.88	0.76	0.83	0.72	3
521.92	521.97	20.70	20.70	20.70	1
542.09	542.59	1.15	1.63	0.83	8
547.12	547.17	1.38	1.38	1.38	1
557.28	557.32	0.46	0.46	0.46	1
582.05	582.10	0.56	0.56	0.56	1

Mizuho 700m core 【 Concentration of ion; K⁺ 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	
596.60	596.65	1.51	1.51	1.51	1
601.72	601.77	1.04	1.04	1.04	1
637.16	637.31	0.81	1.07	0.54	2
646.98	647.03	1.56	1.56	1.56	1
657.07	657.17	0.40	0.47	0.32	2
686.91	686.96	1.89	1.89	1.89	1
691.91	691.96	1.48	1.48	1.48	1
697.08	697.41	0.88	2.28	0.18	3

Mizuho 700m core 【Concentration of ion; Mg^{2+} 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	
60.72	61.02	2.09	4.27	0.54	6
61.02	61.20	3.67	5.12	2.33	4
71.37	71.87	1.89	3.01	0.36	10
109.63	109.95	2.22	3.65	1.25	6
121.96	122.01	1.81	1.81	1.81	1
122.01	122.30	2.62	3.95	1.65	6
131.21	131.58	1.82	2.98	0.78	7
140.57	141.03	1.99	5.11	0.88	9
150.74	151.04	2.54	3.34	1.75	5
151.09	151.15	1.40	1.40	1.40	1
160.32	160.85	2.51	3.97	0.97	10
171.42	171.92	2.77	5.25	0.67	9
180.02	180.52	2.03	4.18	1.14	10
191.10	191.60	2.14	4.12	0.55	10
200.26	200.76	3.38	5.61	1.60	9
220.40	220.87	1.95	3.90	1.03	10
232.00	232.05	3.10	3.10	3.10	1
242.10	242.61	2.09	2.53	1.28	10
252.10	252.60	1.73	2.16	1.00	4
261.75	262.00	1.76	2.30	1.23	5
262.00	262.25	1.47	3.53	0.68	5
271.99	272.04	0.83	0.83	0.83	1
272.04	272.49	1.30	3.03	0.47	8
281.85	282.00	2.18	4.23	0.82	3
282.00	282.35	1.51	2.45	0.28	7
291.80	292.00	2.82	3.43	2.01	4
292.00	292.30	2.61	3.62	1.68	6
301.09	301.56	2.83	4.10	1.76	8
302.10	302.61	1.48	2.59	0.71	10
321.83	321.93	3.45	3.92	2.97	2
332.20	332.70	3.65	8.30	0.80	9
341.89	342.04	4.13	4.50	3.51	3
342.04	342.34	2.67	3.04	2.25	6
349.86	350.01	2.23	4.73	0.57	3
350.01	350.38	3.01	3.95	1.56	7
361.90	361.95	0.09	0.09	0.09	1
362.00	362.34	2.13	3.07	1.03	7
371.85	371.95	1.62	1.80	1.44	2
372.00	372.30	1.93	2.63	1.32	6
381.86	381.96	1.46	2.12	0.79	2
382.01	382.32	1.73	2.73	0.61	5
402.82	403.00	1.64	2.32	1.13	3
403.00	403.23	1.56	2.16	1.01	4
421.75	422.00	2.10	2.74	1.42	5
422.00	422.25	1.32	2.59	0.57	5
431.91	431.96	1.29	1.29	1.29	1
442.07	442.12	6.57	6.57	6.57	1
452.08	452.13	0.97	0.97	0.97	1
462.15	462.65	2.46	5.40	0.56	10
471.95	472.00	1.08	1.08	1.08	1
472.15	472.35	1.58	1.87	0.99	3
481.83	482.03	1.02	1.45	0.78	3
482.03	482.30	1.43	1.95	0.93	5

Mizuho 700m core 【 Concentration of ion; Mg^{2+} 】

core top	bottom	mean	maximum	minimum	sample
(m)	(m)	($\mu g/l$)	($\mu g/l$)	($\mu g/l$)	
496.85	497.00	2.21	2.70	1.86	3
497.00	497.27	2.19	3.02	1.02	5
502.48	503.00	1.55	2.28	0.93	9
511.98	512.03	1.14	1.14	1.14	1
512.03	512.38	2.79	3.29	2.35	5
521.92	522.02	3.71	5.46	1.95	2
522.02	522.39	1.44	1.85	0.86	7
531.74	532.04	1.61	2.29	0.84	3
542.09	542.59	1.82	4.56	0.73	10
547.12	547.17	1.95	1.95	1.95	1
552.20	552.35	2.85	3.86	2.02	3
556.94	557.04	1.91	2.58	1.23	2
557.09	557.36	2.96	4.67	1.54	6
561.83	561.98	2.55	3.74	1.09	3
562.08	562.33	2.26	3.58	1.27	4
572.18	572.23	1.15	1.15	1.15	1
582.05	582.10	1.87	1.87	1.87	1
596.60	597.00	1.48	2.15	1.05	5
597.00	597.11	1.54	1.81	1.26	2
601.72	601.77	2.34	2.34	2.34	1
612.07	612.47	1.66	2.52	1.06	8
616.74	617.04	1.40	2.13	0.62	6
617.04	617.24	1.71	2.93	1.02	3
637.06	637.36	1.67	2.32	0.94	6
646.98	647.03	1.49	1.49	1.49	1
656.82	657.02	1.24	1.42	1.07	4
657.02	657.27	2.31	3.18	1.29	5
686.91	686.96	1.87	1.87	1.87	1
691.91	691.96	0.62	0.62	0.62	1
697.08	697.54	1.52	2.17	0.82	10

Mizuho 700m core 【 Concentration of ion; Ca^{2+} 】

core top (m)	bottom (m)	mean ($\mu\text{g/l}$)	maximum ($\mu\text{g/l}$)	minimum ($\mu\text{g/l}$)	sample
60.77	60.97	2.43	2.96	2.15	4
61.07	61.16	3.38	4.32	2.43	2
71.37	71.42	4.50	4.50	4.50	1
131.26	131.58	1.59	1.64	1.53	2
140.57	140.62	3.85	3.85	3.85	1
160.32	160.79	4.43	13.26	1.42	5
171.42	171.67	1.98	2.33	1.66	4
180.44	180.48	14.18	14.18	14.18	1
191.30	191.45	2.01	2.36	1.65	2
242.10	242.61	3.68	9.15	2.41	10
252.10	252.60	2.48	2.92	1.90	3
281.85	281.90	3.87	3.87	3.87	1
291.90	291.95	4.10	4.10	4.10	1
292.00	292.30	2.11	2.54	1.57	5
301.09	301.56	2.26	2.99	1.73	7
302.15	302.55	1.90	2.03	1.74	3
332.50	332.55	37.20	37.20	37.20	1
349.86	350.01	7.12	9.03	5.21	2
350.06	350.38	9.29	14.36	4.63	4
371.80	371.85	0.10	0.10	0.10	1
402.82	403.00	2.33	3.72	1.51	3
403.00	403.23	1.89	2.36	1.50	4
421.80	422.00	2.14	2.54	1.57	3
422.15	422.20	1.45	1.45	1.45	1
442.07	442.12	3.33	3.33	3.33	1
462.30	462.45	7.29	13.57	3.36	3
482.18	482.22	5.15	5.15	5.15	1
502.48	502.43	1.98	1.98	1.98	1
521.92	521.97	7.20	7.20	7.20	1
531.74	531.79	1.26	1.26	1.26	1
542.14	542.19	8.14	8.14	8.14	1
561.83	561.88	2.45	2.45	2.45	1
582.05	582.10	1.74	1.74	1.74	1
596.60	596.95	1.49	1.90	1.11	3
597.06	597.11	2.15	2.15	2.15	1
601.72	601.77	2.61	2.61	2.61	1
612.12	612.17	2.81	2.81	2.81	1
697.08	697.41	4.01	16.08	1.59	7