

Station	Date	Latitude	Longitude	CTD	MUC	Radium
1	08.11.2022	54,555833	10,751667	1		1
2	08.11.2022	54,1195	11,133		x	1
3	08.11.2022	55,100333	14,000333			1
4	09.11.2022	55,57	16,3705		x	1
5	09.11.2022	56,000333	16,8305			1
6	09.11.2022	56,999833	17,600333			1
7	10.11.2022	57,800333	17,900333			1
8	10.11.2022	58,542167	18,232167		x	3
9	11.11.2022	56,999833	20,181667			1
10	11.11.2022	57,000000	19,501167			3
11	13.11.2022	54,530333	10,038667			2
12	14.11.2022	54,550167	10,7675		x	2
13	14.11.2022	54,608333	10,768			2
14	14.11.2022	54,65	10,766667			2
15	15.11.2022	54,595	11,0545			2
16	15.11.2022	54,57	11,180483			
17	15.11.2022	54,542	11,303333			2
18	15.11.2022	54,496967	11,427			
19	15.11.2022	54,455167	11,52		x	2
20	18.11.2022	55,5	10,957833			1
21	18.11.2022	56,391267	11,439683			
22	19.11.2022	57,529833	11,178167			2
23	19.11.2022	57,899677	10,6935			2
24	19.11.2022	58	8,496			3
25	20.11.2022	55,999833	6,499333			1
26	20.11.2022	54,808167	6,743833		x	1
27	21.11.2022	54,399833	5,25			1
28	21.11.2022	54,4	6,25			1
29	21.11.2022	53,999	6,2295		x	1
30	21.11.2022	54,4	7,5005			1
31	21.11.2022	54,061667	8,015667		x	1
32	24.11.2022	55,000333	7,500333		x	1
33	25.11.2022	55,499333	7,496833			3
34	25.11.2022	58	5,500667			3
35	26.11.2022	58,429667	9,479667		x	3
36	28.11.2022	57,000167	5,249			1
37	28.11.2022	56,9995	3,748667			1
38	28.11.2022	57,000833	2,243333			1
39	29.11.2022	56,999667	1			1
40	29.11.2022	56,999833	-0,5			1
41	29.11.2022	56,000333	0,499667			2
42	29.11.2022	56	2			2
43	30.11.2022	55,000167	1,979833			1
44	30.11.2022	54,4	2,7495			1
45	30.11.2022	55,000333	3,5			1
46	30.11.2022	55,499833	4,167833			1
47	30.11.2022	55,98	3,480833			2
48	01.12.2022	55,979333	4,997667			2
49	01.12.2022	55,98998	6,499333			

DOM

Analyte	Code	Information
Radium	1	Only surface sample taken
	2	Surface and Bottom
	3	Surface, bottom, middle
DOM, DOC/TDN, FDOM, DOS	1	CTD: Surface and bottom layer
	2	CTD: Surface, middle, bottom layer
	3	Sediment Core: Surface water
	4	Sediment Core: Porewater
CTD	X	Cast Number

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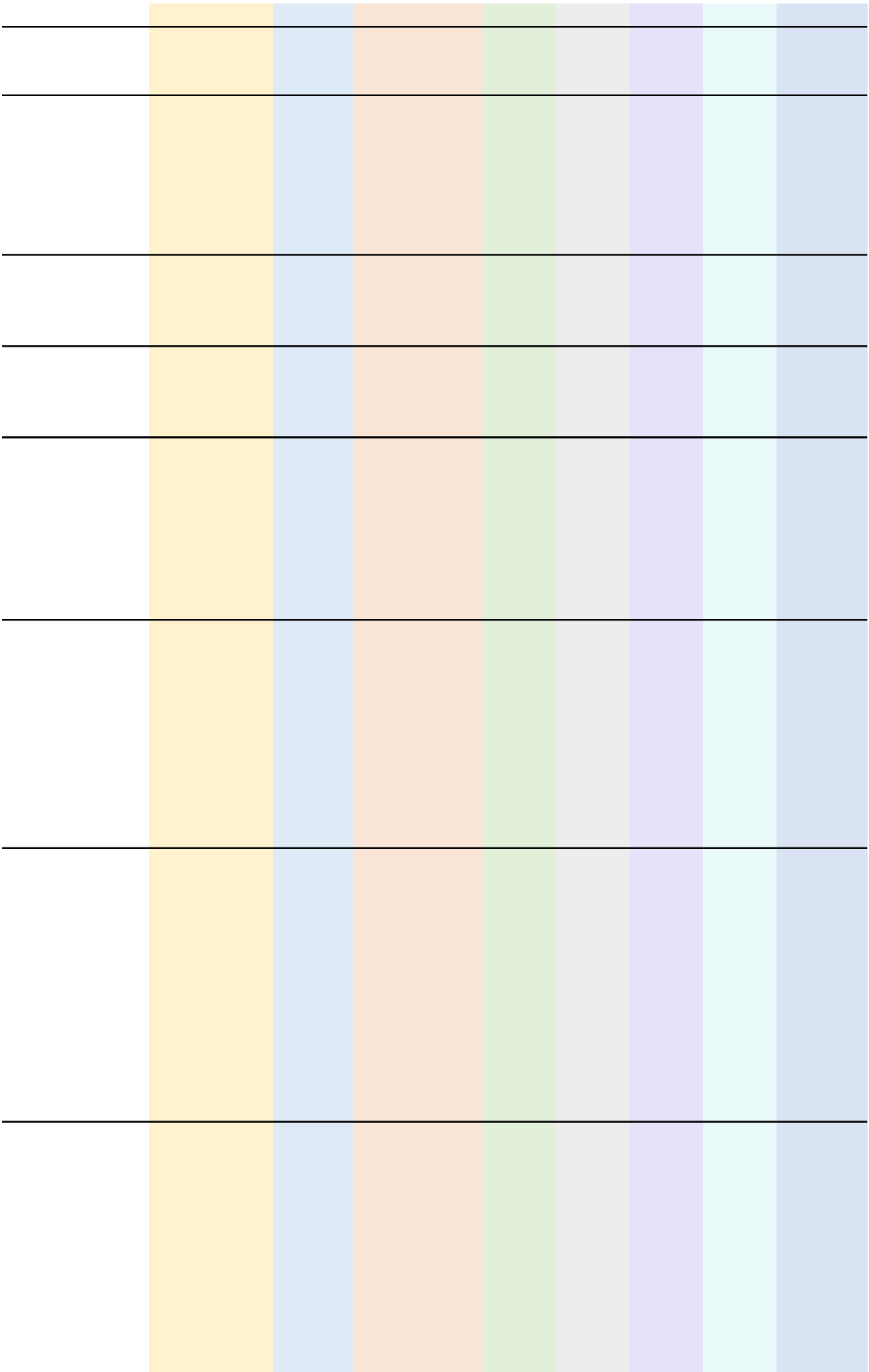
4

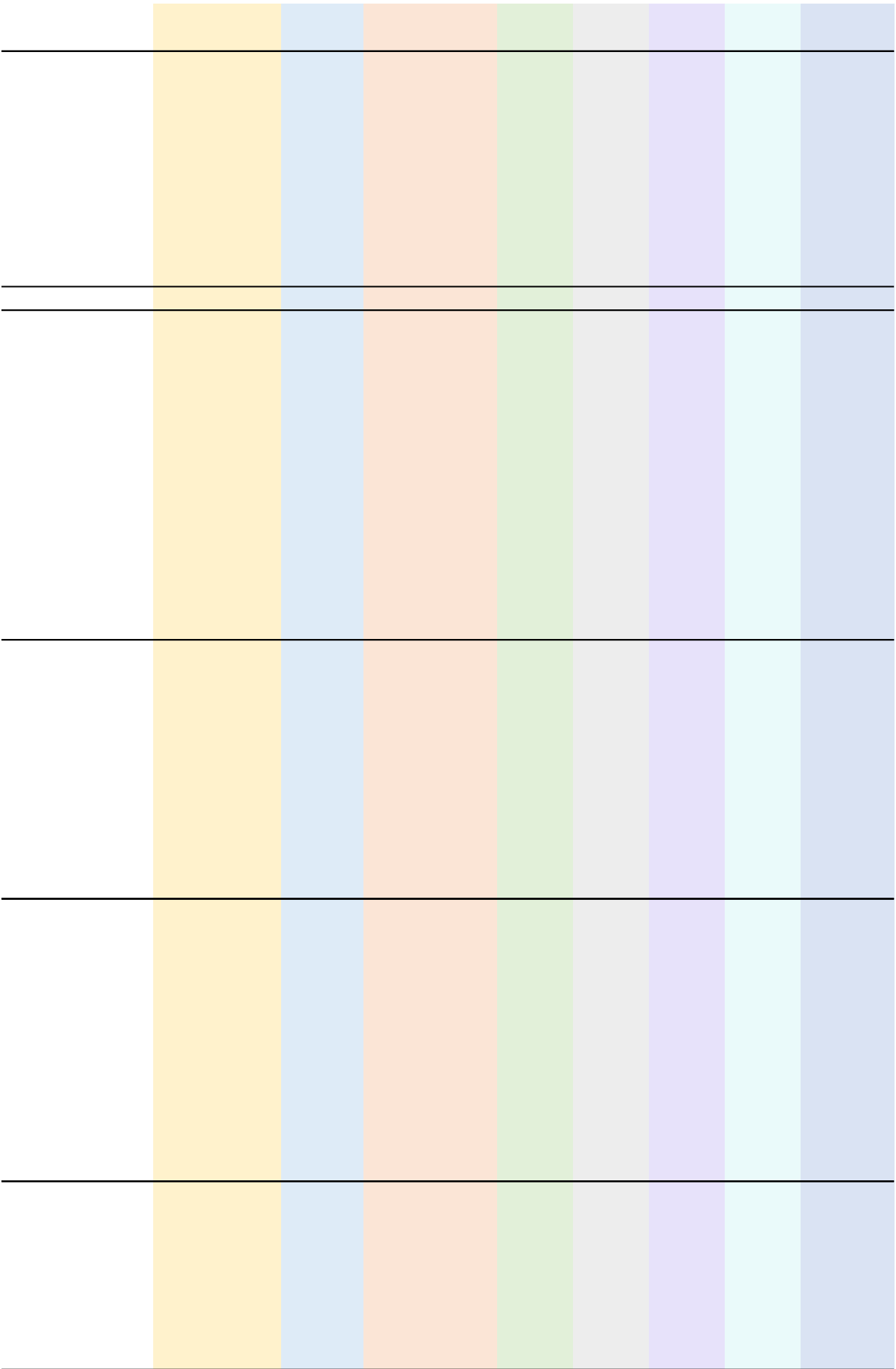
4

HE611 - North Sea / Baltic Sea November 2022 - Samples Collected

Station	Cast	Samples Collected (m)							
		DIC/AT	Nutrients	TEP, Chlorophyll	Metals	DOM	Isotopes	Ra	Incubations
1 (+GHG)	1	21.8	21.8		21.8	21.8			
		10.8	10.8		10.8	10.8			
		2.6	2.6		2.6	2.6			
2	1	21.2	21.2	21.2	21.2	21.2			
		10.6	10.6	10.6	10.6	10.6			
		2.2	2.2	2.2	2.2	2.2			
3	1	43.3	43.3		43.3	43.3			
		33	33		33	33			
		2.9	2.9		2.9	2.9			
4 (+GHG)	1	66.1	66.1	66.1	66.1	66.1	66.1		
		50.5	50.5	40.2	50.5	50.5	50.5		
		40.2	40.2		40.2	40.2	40.2		
		24.9	24.9		24.9	24.9	24.9		
	2	3.2	3.2	3.2	3.2	3.2			
5	1	34.1	34.1		34.1	34.1	34.1		
		18.1	18.1		18.1	18.1	18.1		
		3.1	3.1		3.1	3.1	3.1		
6	1	99.9	99.9		99.9	99.9	99.9		
		70.1	70.1		70.1	70.1	70.1		
		49.8	49.8		49.8	49.8	49.8		
		25.5	25.5		25.5	25.5	25.5		
		3.6	3.6		3.6	3.6	3.6		
7	1	87.8	87.8		87.8	87.8			
		74.8	74.8		74.8	74.8			
		60	60		60	60			
		34.8	34.8		34.8	34.8			
		2.5	2.5		2.5	2.5			
8	1	352	352	352	352	352	352		
		250.8	250.8	39.8	250.8	250.8	250.8		
		99.4	99.4		99.4	99.4	99.4		
		39.8	39.8		39.8	39.8	39.8		
		2.3	2.3	2.3	2.3	2.3	2.3		
	2	2.3	2.3	2.3	2.3	2.3	2.3		
9	1	160.8	160.8		160.8	160.8	160.8		
		119.3	119.3		119.3	119.3	79.7		
		79.7	79.7		79.7	79.7	61		
		61	61		61	61	34.8		
		34.8	34.8		34.8	34.8			
	2	5.3	5.3			5.3	5.3		
10	1	170	170	170		170	170		
		120.4	120.4	50.2		120.4	120.4		
		79.9	79.9			79.9	79.9		
		50.2	50.2			50.2	50.2		
	2	3.4	3.4	3.4		3.4	3.4		
11 (+GHG)	1	23.6 (only GHG)	23.6		23.6	23.6	23.6		
		3.9	3.9		3.9	3.9	3.9		
12	1	19.3		19.3	19.3	19.3	19.3		
		3.8		3.8	3.8	3.8	3.8		
13	1	16.8	16.8		16.8	16.8	16.8		
		3.8	3.8		3.8	3.8	3.8		
14	1	19.1	19.1	19.1	19.1	19.1	19.1		
		3.1	3.1	3.1	3.1	3.1	3.1		
15	1	28.2	28.2		28.2	28.2	28.2		
		7	7		7	7	7		
		3.2	3.2		3.2	3.2	3.2		
16									

17	1	25.4	25.4	25.4	25.4	25.4	25.4
		2.5	2.5	2.5	2.5	2.5	2.5
18	1						
19	1	22.1	22.1	22.1	22.1	22.1	22.1
		3	3	3	3	3	3
20	1	13	13	13	13	13	13
		3.1	3.1	3.1	3.1	3.1	3.1
21	1	14			14	14	14
		3.7			3.7	3.7	3.7
22	1	36.2	36.2		36.2	36.2	36.2
		15.5	15.5		15.5	15.5	15.5
		3.8	3.8		3.8	3.8	3.8
		35.8					
23	1	137	137	137	137	137	137
		99.9	99.9	30.5	99.9	99.9	99.9
		70.6	70.6		70.6	70.6	70.6
		30.5	30.5		30.5	30.5	30.5
		4	4	4	4	4	4
24	1	513.1	513.1	513.1	513.1	513.1	513.1
		449.6	449.6	50	449.6	300	449.6
		300	300	4.2	300	100	300
		200	200		200	50	200
		100	100		100	4.2	100
		60.6	60.6		60.6		60.6
		50	50		50		50
		4.2	4.2		4.2		4.2
		25	1	39.8	39.8		39.8
3.9	3.9				3.9	3.9	3.9
26	1	36.8	36.8	36.8	36.8	36.8	36.8
		3.8	3.8	3.8	3.8	3.8	3.8
27	1	38.4	38.4		38.4	38.4	38.4
		2.8	2.8		2.8	2.8	2.8
28	1	31	31		31	31	31
		4	4		4	4	4
29	1	29	29	29	29	29	29
		3.8	3.8	3.8	3.8	3.8	3.8
30	1	21.2	21.2	21.2	21.2	21.2	21.2
		4.7	4.7		4.7	4.7	4.7
31	1	24.2	24.2	24.2	24.2	24.2	24.2
		2.8	2.8	2.8	2.8	2.8	2.8
32 (+GHG)	1	22.7		22.7	22.7	22.7	22.7
		4.9		4.9	4.9	4.9	4.9
33	1	196.4	196.4		196.4	196.4	
		149.3	149.3		149.3	149.3	
		116	116		116	116	
		75.8	75.8		75.8	75.8	
		60.1	60.1		60.1	60.1	
		49.4	49.4		49.4	49.4	
		40.7	40.7		40.7	40.7	
9.8	9.8		9.8	9.8			
34	1	216.7		216.7	216.7	216.7	216.7
		152.2		50.6	152.2	152.2	152.2
		124.9		8.3	124.9	100.7	124.9
		100.7			100.7	50.6	100.7
		74.8			74.8	8.3	74.8
		50.6			50.6		50.6
		8.3			8.3		8.3





Latitude	Longitude	Site	depth	Gear	Lat Deg	Lat Min	Lon Deg	Lon Min	Date	Time
54,55	10,767	FB	25	CTD MUC Camera	54	33	10	46,02	14.11.2022	08:00:00
54,608	10,767	FB-T3	20	CTD	54	36,48	10	46,02	14.11.2022	10:00:00
54,653	10,767	FB-T4	22	CTD Camera	54	39,18	10	46,02	14.11.2022	13:00:00
54,352	10,767	FB-T1	15	CTD Camera	54	21,12	10	46,02	15.11.2022	08:00:00
54,427	10,767	FB-T2	13	CTD	54	25,62	10	46,02	15.11.2022	10:00:00
54,279	11,397	LB-T4	23	CTD Camera	54	16,74	11	23,82	15.11.2022	16:00:00
54,018	10,981	LB-T1	23	CTD Camera	54	1,08	10	58,86	16.11.2022	08:00:00
54,074	11,071	LB-T2	23	CTD	54	4,44	11	4,26	16.11.2022	10:00:00
54,1369	11,1359	LB	25	CTD MUC Camera	54	8,214	11	8,154	16.11.2022	14:00:00
54,202	11,281	LB-T3	21	CTD	54	12,12	11	16,86	17.11.2022	08:00:00
54,1562	11,5958	MB-T1	16	CTD Camera	54	9,372	11	35,75	17.11.2022	10:00:00
54,2234	11,5958	MB	25	CTD MUC Camera	54	13,4	11	35,75	17.11.2022	15:00:00
54,293	11,5958	MB-T2	25	CTD	54	17,58	11	35,75	18.11.2022	08:00:00
54,379	11,5958	MB-T3	25	CTD	54	22,74	11	35,75	18.11.2022	10:00:00
54,475	11,5958	MB-T4	24	CTD Camera	54	28,5	11	35,75	18.11.2022	15:00:00
54,225	12,06	ST-T1	14	CTD Camera	54	13,5	12	3,6	19.11.2022	08:00:00
54,227	11,996	ST-T2	17	CTD	54	13,62	11	59,76	19.11.2022	10:00:00
54,2599	11,9393	ST	25	CTD MUC Camera	54	15,59	11	56,36	19.11.2022	14:00:00
54,347	11,86	ST-T3	21	CTD	54	20,82	11	51,6	20.11.2022	08:00:00
54,467	11,764	ST-T4	20	CTD Camera	54	28,02	11	45,84	20.11.2022	10:00:00