



Universitat d'Alacant
Universidad de Alicante

Departament de Ciències del Mar i Biologia Aplicada
Departamento de Ciencias del Mar y Biología Aplicada

PROGRAMA DE VIGILANCIA AMBIENTAL DEL VERTIDO DE LA IDAM DEL NUEVO CANAL DE ALICANTE:

Control de salinidad del medio receptor. Abril-Junio de 2020

VALORACIÓN: La salinidad durante el periodo considerado ha estado dentro de los niveles establecidos excepto en una de las estaciones en el mes de abril. Los valores se han normalizado en todas las estaciones en mayo y junio.

Este informe ha sido realizado bajo mi dirección, y para que conste a los efectos oportunos, firmo el presente escrito

En Alicante a 13 julio de 2020

Fdo: Dr. José Luis Sánchez Lizaso

1.- Localización de los sensores:

En la figura 1 se indica la posición de los sensores de registro de salinidad y temperatura

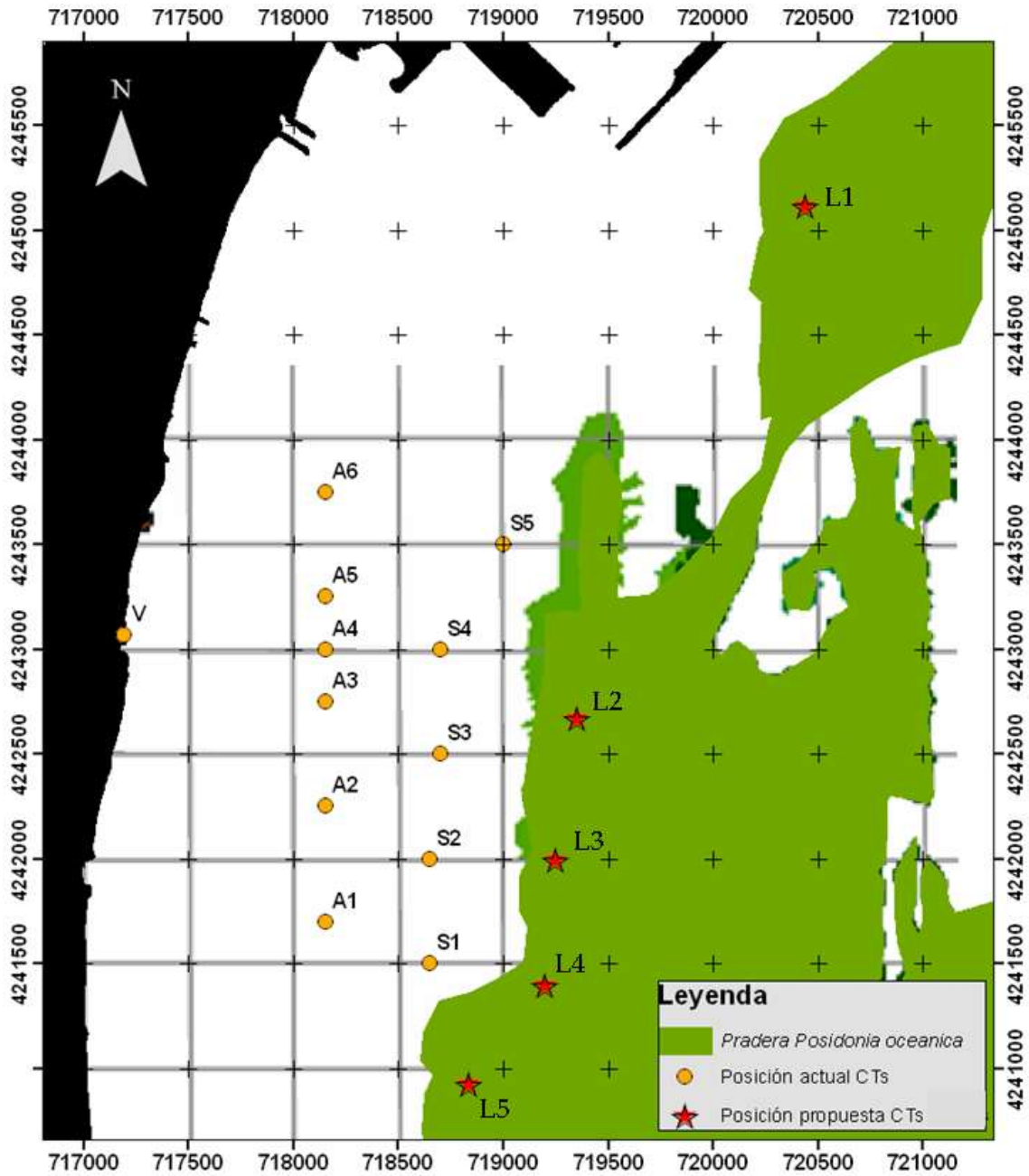


Figura 1: Posición de los sensores.

Mediciones de salinidad y temperatura en el medio receptor

***Abril:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.3	% > 38.5	% > 40
1 (Control Puerto)	37.63	38.00	36.71	0.00	0.00	0.00
2 (Desaladora)	37.89	38.31	37.56	0.00	0.00	0.00
3 (Desaladora Sur)	36.96	37.40	36.37	0.00	0.00	0.00
4 (Urbanova Norte)	37.45	38.01	37.00	0.00	0.00	0.00
5 (Urbanova)	38.16	38.82	31.41	33.3	17.6	0.00
Vertido	38.71	51.73	22.27			% > 49
						1.00

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	16.52	18.19	15.33
2 (Desaladora)	16.77	18.43	15.33
3 (Desaladora Sur)	16.93	18.46	15.34
4 (Urbanova Norte)	17.10	18.57	15.53
5 (Urbanova)	16.92	18.43	15.25
Vertido	18.31	20.24	15.71

*** Mayo:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.3	% > 38.5	% > 40
1 (Control Puerto)	37.46	37.85	36.86	0.00	0.00	0.00
2 (Desaladora)	37.64	38.32	37.16	0.1	0.00	0.00
3 (Desaladora Sur)	36.91	38.27	33.01	0.00	0.00	0.00
4 (Urbanova Norte)	37.48	38.01	34.25	0.00	0.00	0.00
5 (Urbanova)	37.75	38.32	37.02	0.5	0.00	0.00
Vertido	37.48	48.79	25.40			% > 49
						0.00

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	17.90	21.87	15.27
2 (Desaladora)	18.02	21.50	15.31
3 (Desaladora Sur)	18.20	21.80	15.36
4 (Urbanova Norte)	18.22	21.56	15.64
5 (Urbanova)	18.17	21.59	15.47
Vertido	20.74	24.13	17.73

* **Junio:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.3	% > 38.5	% > 40
1 (Control Puerto)	37.21	38.27	36.51	0.00	0.00	0.00
2 (Desaladora)	37.74	38.06	37.34	0.00	0.00	0.00
3 (Desaladora Sur)	37.79	38.35	37.38	0.01	0.00	0.00
4 (Urbanova Norte)	37.75	38.09	37.28	0.00	0.00	0.00
5 (Urbanova)	37.81	38.01	37.50	0.00	0.00	0.00
Vertido	34.82	47.46	23.05			% > 49
						0

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	19.22	23.64	15.65
2 (Desaladora)	19.57	23.23	15.52
3 (Desaladora Sur)	19.79	23.43	15.60
4 (Urbanova Norte)	19.87	23.55	15.57
5 (Urbanova)	20.02	23.51	15.87
Vertido	24.17	27.87	21.46

Régimen de funcionamiento de las desalinizadoras

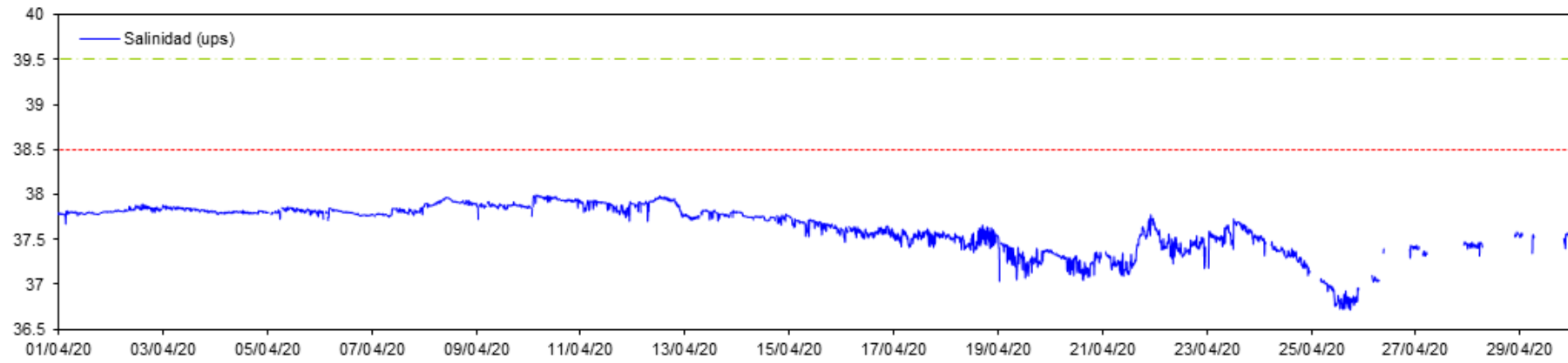
	Producción Alicante I (m ³ /día)	Producción Alicante II (m ³ /día)	Rechazo Alicante I (m ³ /día)	Rechazo Alicante II (m ³ /día)	CAUDAL vertido (m ³ /h)	CAUDAL Dilución (m ³ /h)	RELACIÓN de dilución
01/04/2020	27.859	28.541	41.251	39.834	3378,54	15326,67	4,54
02/04/2020	27.741	31.402	40.143	42.505	3443,67	16720,00	4,86
03/04/2020	16.702	31.414	24.306	39.050	2639,83	12345,00	4,68
04/04/2020	13.571	28.425	19.741	38.884	2442,71	15553,33	6,37
05/04/2020	14.015	28.971	20.213	39.020	2468,04	16428,33	6,66
06/04/2020	22.909	27.876	33.483	38.452	2997,29	10595,00	3,53
07/04/2020	26.665	31.436	39.415	39.583	3291,58	15261,67	4,64
08/04/2020	18.974	29.617	27.190	44.716	2996,08	16720,00	5,58
09/04/2020	20.363	23.987	29.313	30.052	2473,54	16720,00	6,76
10/04/2020	20.783	21.718	29.857	29.203	2460,83	9785,00	3,98
11/04/2020	20.459	13.296	29.437	32.047	2561,83	14111,67	5,51
12/04/2020	20.123	25.272	28.745	34.368	2629,71	16720,00	6,36
13/04/2020	20.425	19.182	29.447	33.360	2616,96	16720,00	6,39
14/04/2020	20.213	19.338	29.831	25.942	2323,88	9153,33	3,94
15/04/2020	18.373	20.431	27.355	27.108	2269,29	9588,33	4,23
16/04/2020	20.008	20.040	29.528	25.638	2298,58	8100,00	3,52
17/04/2020	20.767	19.870	30.129	26.280	2350,38	9720,00	4,14
18/04/2020	20.131	19.961	29.597	27.336	2372,21	9637,50	4,06
19/04/2020	20.501	25.186	30.872	32.622	2645,58	7906,67	2,99
20/04/2020	19.407	28.096	28.633	39.708	2847,54	16720,00	5,87
21/04/2020	21.524	30.370	32.484	42.681	3131,88	16720,00	5,34
22/04/2020	20.261	27.060	29.807	41.908	2988,13	16720,00	5,60
23/04/2020	19.110	29.904	28.466	42.120	2941,08	16720,00	5,68
24/04/2020	23.724	31.696	39.509	43.437	3456,08	14630,00	4,23
25/04/2020	25.778	36.180	38.522	47.161	3570,13	14338,33	4,02
26/04/2020	26.328	39.784	41.228	52.374	3900,08	16315,00	4,18
27/04/2020	25.713	42.153	38.223	54.150	3848,88	16023,33	4,16
28/04/2020	11.348	38.602	17.637	52.275	2913,00	13480,00	4,63
29/04/2020	20.532	40.527	31.045	53.949	3541,42	16720,00	4,72
30/04/2020	20.272	38.537	29.900	48.981	3286,71	16720,00	5,09

	Producción Alicante I (m³/día)	Producción Alicante II (m³/día)	Rechazo Alicante I (m³/día)	Rechazo Alicante II (m³/día)	CAUDAL vertido (m³/h)	CAUDAL Dilución (m³/h)	RELACIÓN de dilución
01/05/2020	20.433	39.445	30.427	53.967	3516,42	16720,00	4,75
02/05/2020	19.998	39.938	29.782	53.060	3451,75	16720,00	4,84
03/05/2020	19.321	40.868	28.807	54.855	3485,92	16720,00	4,80
04/05/2020	24.083	39.400	37.581	52.833	3767,25	6708,33	1,78
05/05/2020	31.875	40.574	47.617	54.867	4270,17	12445,83	2,91
06/05/2020	36.303	42.163	53.038	60.219	4719,04	19220,00	4,07
07/05/2020	36.169	51.813	53.615	73.752	5306,96	19220,00	3,62
08/05/2020	35.151	42.001	51.573	67.570	4964,29	17618,33	3,55
09/05/2020	32.226	43.120	47.586	62.774	4598,33	18005,00	3,92
10/05/2020	33.058	33.426	48.722	53.696	4267,42	19220,00	4,50
11/05/2020	34.538	34.910	51.278	42.592	3911,25	16720,00	4,27
12/05/2020	32.952	9.296	48.748	10.245	2458,04	7571,67	3,08
13/05/2020	32.283		47.865		1994,38	7000,00	3,51
14/05/2020	33.746		49.838		2076,58	7000,00	3,37
15/05/2020	26.313	21.032	39.403	29.552	2873,13	16315,00	5,68
16/05/2020	26.681	31.598	39.927	40.377	3346,00	16720,00	5,00
17/05/2020	25.738	29.096	38.570	38.907	3228,21	16720,00	5,18
18/05/2020	23.198	30.162	34.604	40.151	3114,79	16720,00	5,37
19/05/2020	25.581	39.182	38.275	49.769	3668,50	16720,00	4,56
20/05/2020	26.547	35.964	39.829	51.539	3807,00	10303,33	2,71
21/05/2020	33.177	38.441	49.314	52.554	4244,50	15386,67	3,63
22/05/2020	37.041	40.436	54.631	52.870	4479,21	18053,33	4,03
23/05/2020	41.097	37.907	58.829	52.207	4626,50	19095,00	4,13
24/05/2020	39.733	41.035	59.853	52.749	4691,75	18419,17	3,93
25/05/2020	38.472	39.582	56.897	50.935	4493,00	18428,33	4,10
26/05/2020	46.835	39.926	67.638	49.405	4876,79	10410,83	2,13
27/05/2020	46.412	36.904	67.324	49.348	4861,33	15215,83	3,13
28/05/2020	47.129	39.688	68.223	48.810	4876,38	18419,17	3,78
29/05/2020	48.067	41.510	69.265	49.652	4954,88	19220,00	3,88
30/05/2020	46.806	38.952	67.587	47.934	4813,38	19220,00	3,99
31/05/2020	31.516	40.164	45.539	49.245	3949,33	19220,00	4,87

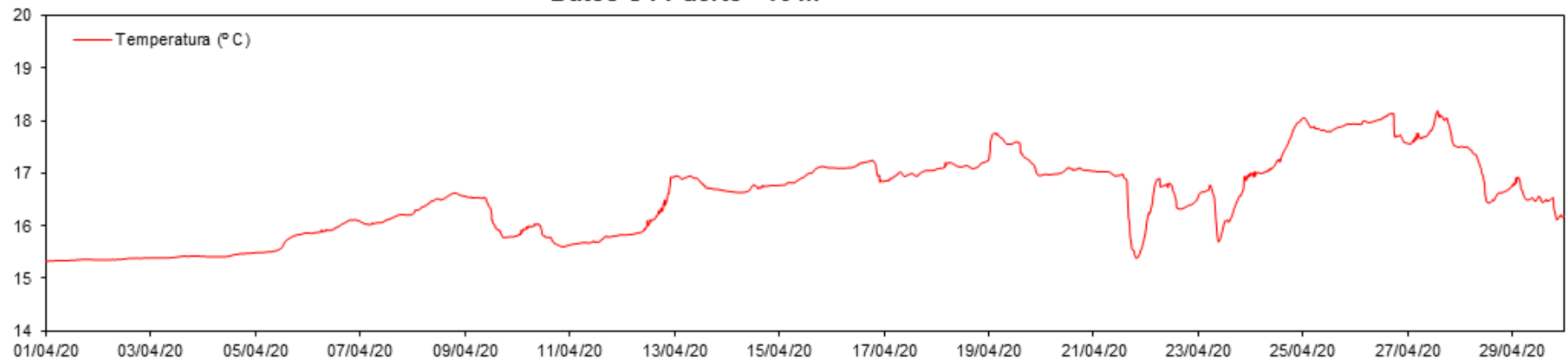
	Producción Alicante I (m³/día)	Producción Alicante II (m³/día)	Rechazo Alicante I (m³/día)	Rechazo Alicante II (m³/día)	CAUDAL vertido (m³/ h)	CAUDAL Dilución (m³/ h)	RELACIÓN de dilución
01/06/2020	49.704	43.617	72.452	51.542	5166,42	15225,00	2,95
02/06/2020	40.500	38.719	58.642	49.146	4491,17	21449,17	4,78
03/06/2020	40.763	40.458	58.881	52.095	4624,00	18778,33	4,06
04/06/2020	41.013	32.132	59.463	43.143	4275,25	22731,67	5,32
05/06/2020	41.550	26.117	60.138	35.387	3980,21	16558,33	4,16
06/06/2020	39.958	43.001	57.802	55.298	4712,50	19865,83	4,22
07/06/2020	40.090	37.701	57.590	45.902	4312,17	23720,00	5,50
08/06/2020	39.911	46.799	57.093	53.329	4600,92	24428,33	5,31
09/06/2020	41.542	36.595	59.598	52.793	4682,96	23720,00	5,07
10/06/2020	41.632	39.353	60.008	48.223	4509,63	26463,33	5,87
11/06/2020	41.783	40.491	59.867	54.364	4759,63	16242,50	3,41
12/06/2020	39.347	39.935	56.509	51.686	4508,13	9000,00	2,00
13/06/2020	41.873	38.735	59.823	54.138	4748,38	9000,00	1,90
14/06/2020	40.665	42.000	57.923	54.380	4679,29	8250,00	1,76
15/06/2020	41.130	38.901	58.638	49.557	4508,13	8948,00	1,98
16/06/2020	40.552	38.464	57.908	51.748	4569,00	8948,00	1,96
17/06/2020	40.773	40.163	58.687	53.220	4662,79	8948,00	1,92
18/06/2020	40.516	41.362	57.588	52.641	4592,88	8948,00	1,95
19/06/2020	29.332	19.279	42.232	32.539	3261,29	7026,75	2,15
20/06/2020	28.242	20.923	40.750	36.683	2809,92	7000,00	2,49
21/06/2020	28.568	21.247	40.952	37.844	2824,63	7000,00	2,48
22/06/2020	24.488	19.631	35.448	33.848	2887,33	7000,00	2,42
23/06/2020	27.202	25.766	39.478	38.450	3247,00	6416,67	1,98
24/06/2020	27.536	27.709	39.676	46.345	3584,21	6416,67	1,79
25/06/2020	26.734	29.667	38.762	47.645	3600,29	7000,00	1,94
26/06/2020	26.921	29.673	38.583	38.723	3221,08	7000,00	2,17
27/06/2020	27.750	28.400	38.914	37.038	3164,67	6708,33	2,12
28/06/2020	26.920	29.724	37.512	40.622	3255,58	6708,33	2,06
29/06/2020	27.761	33.402	39.551	45.461	3542,17	7250,00	2,05
30/06/2020	17.593	39.355	25.943	53.185	3297,00	7167,00	2,17

* Datos mensuales (Abril):

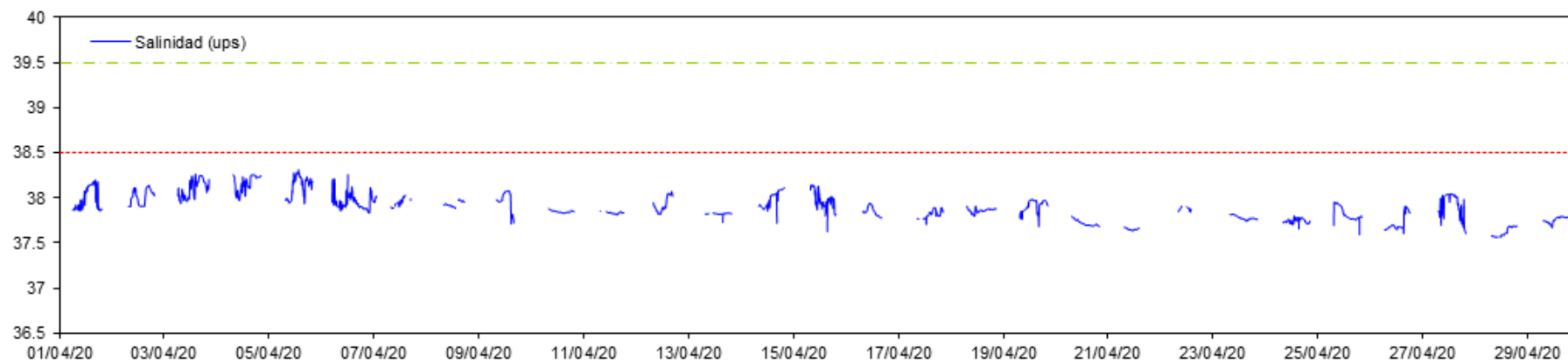
Datos CT Puerto - 16 m



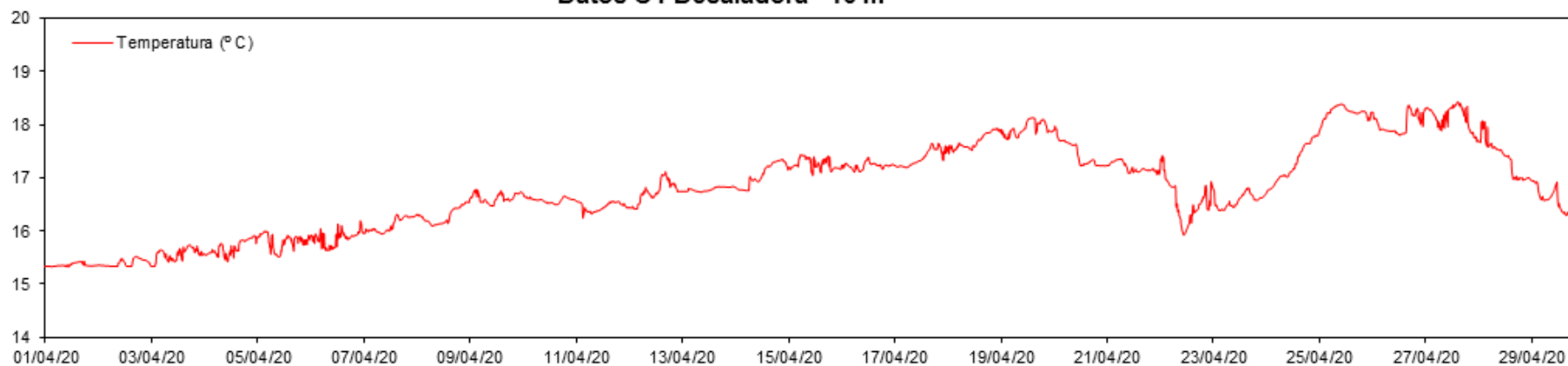
Datos CT Puerto - 16 m



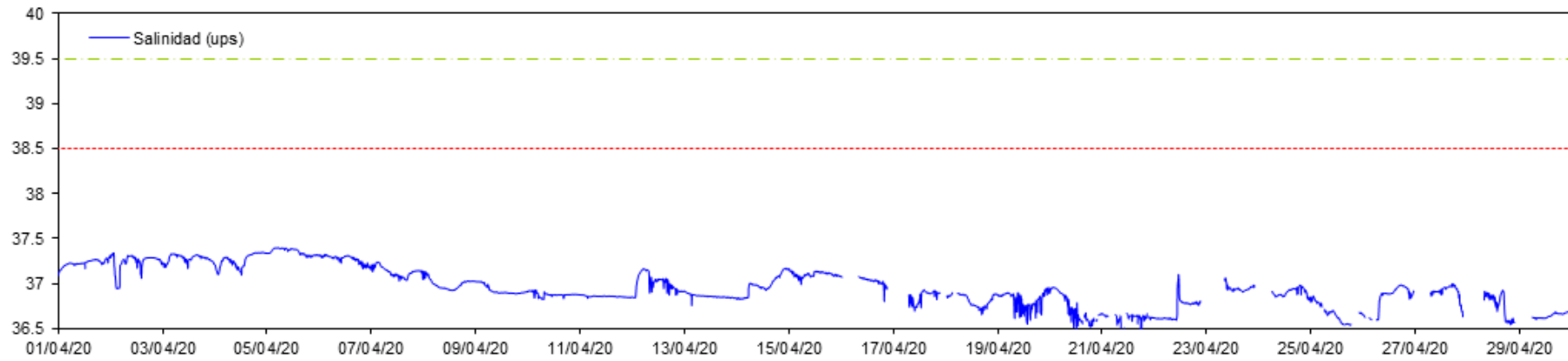
Datos CT Desaladora - 16 m



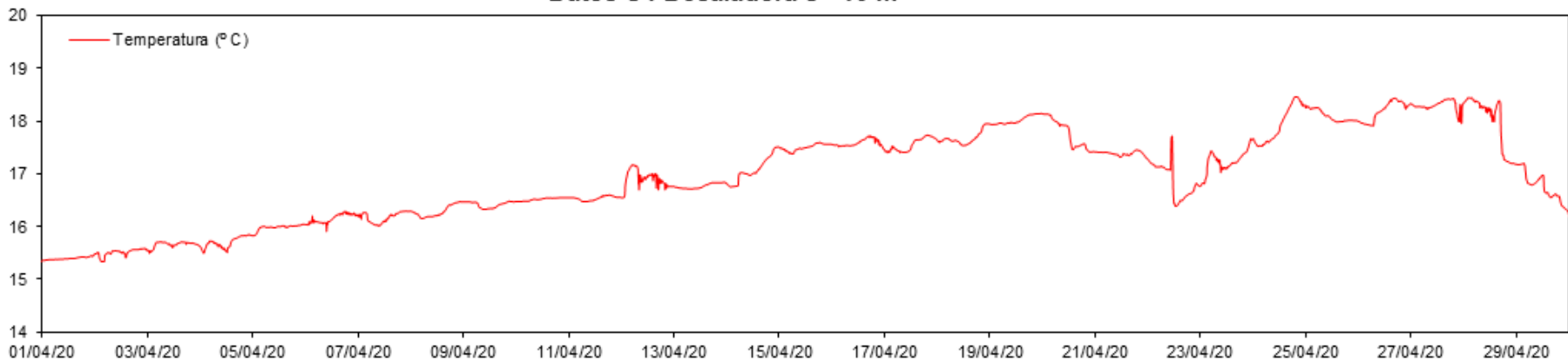
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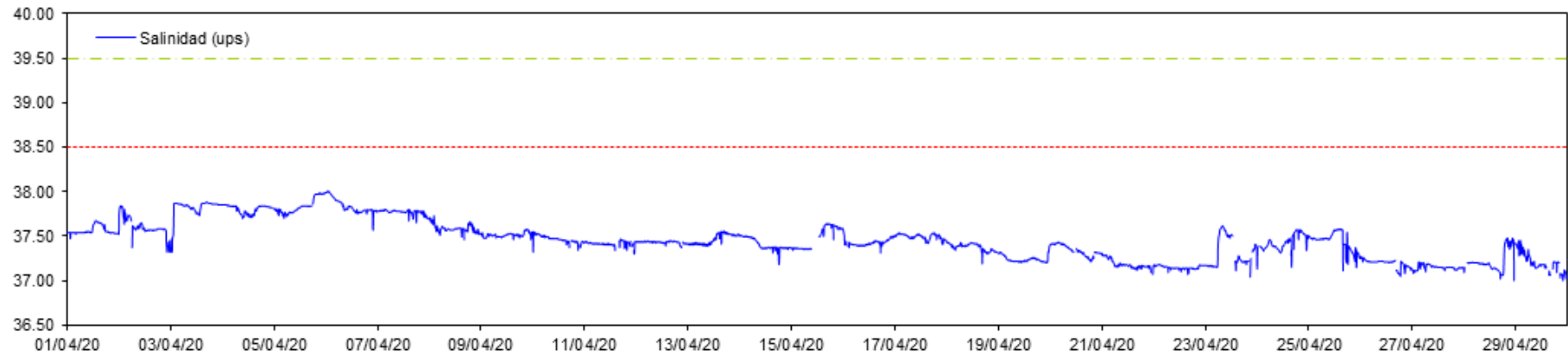
Datos CT Desaladora S - 16 m



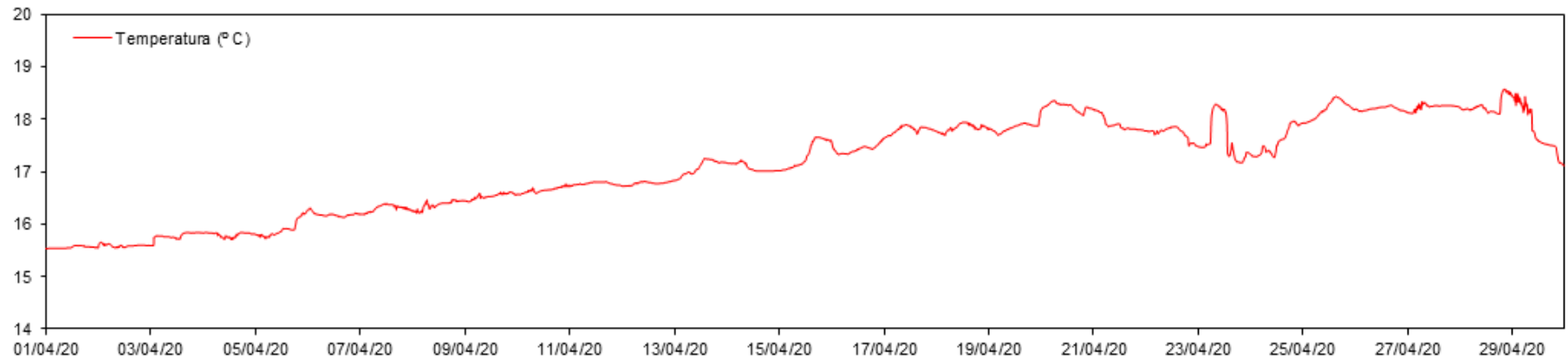
Datos CT Desaladora S - 16 m



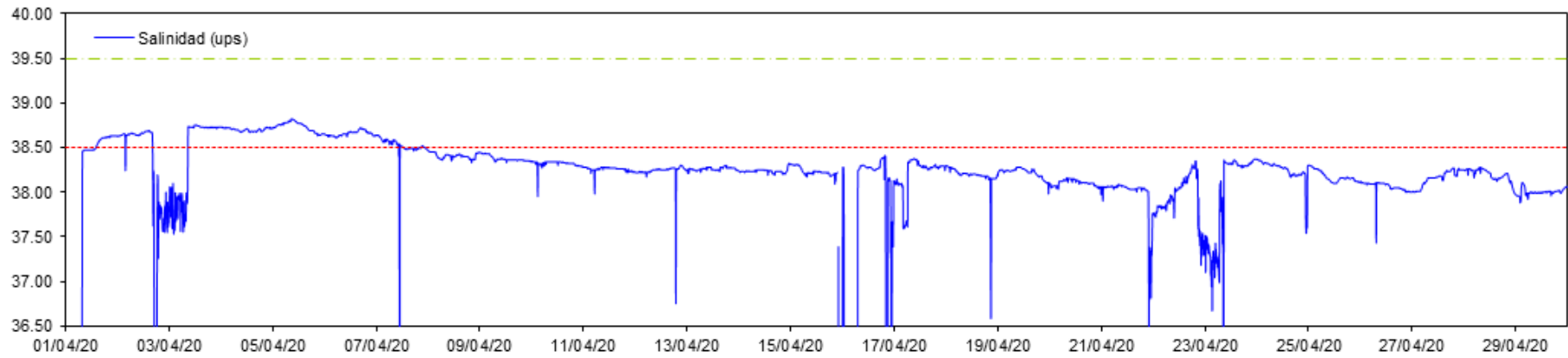
Datos CT Urbanova N - 16 m



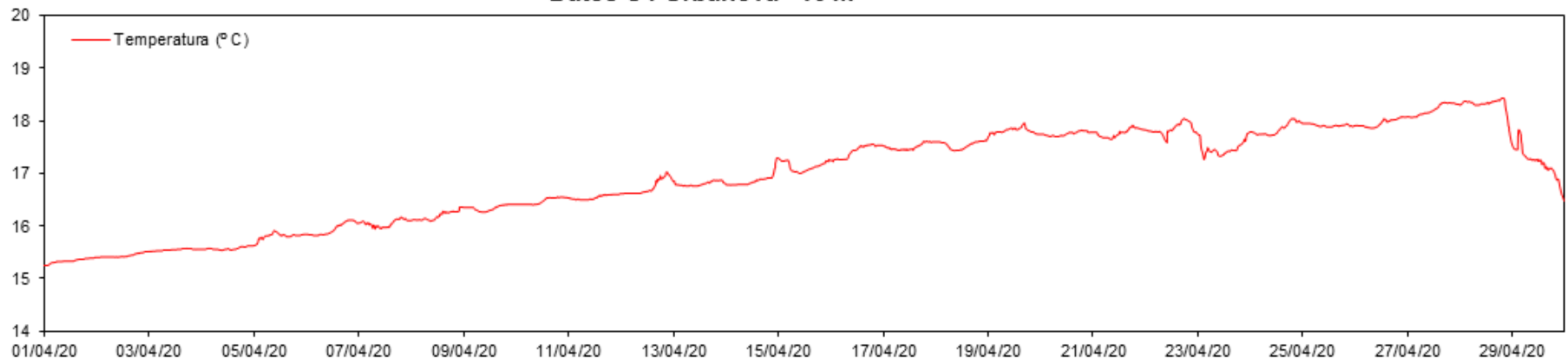
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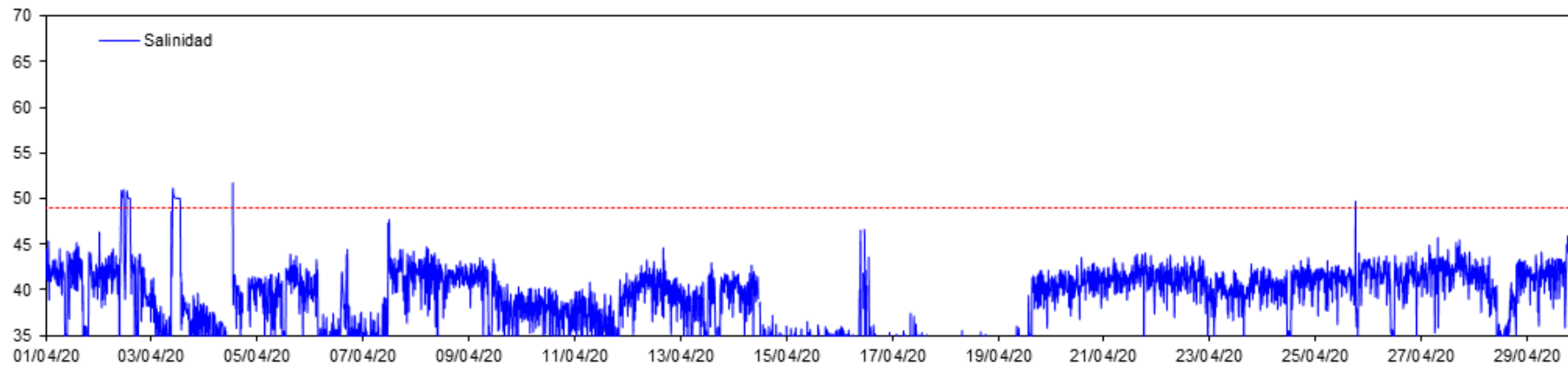
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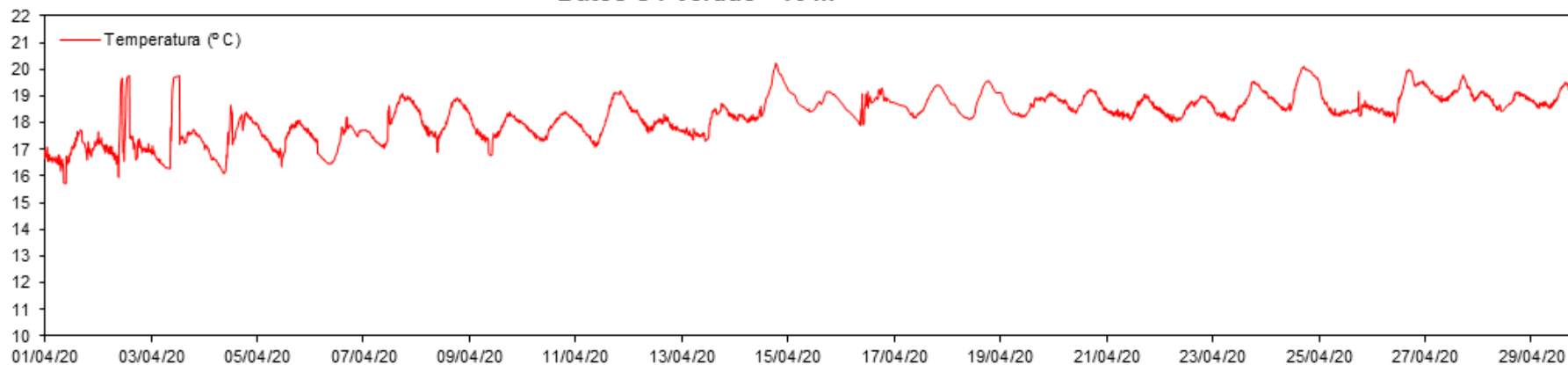
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

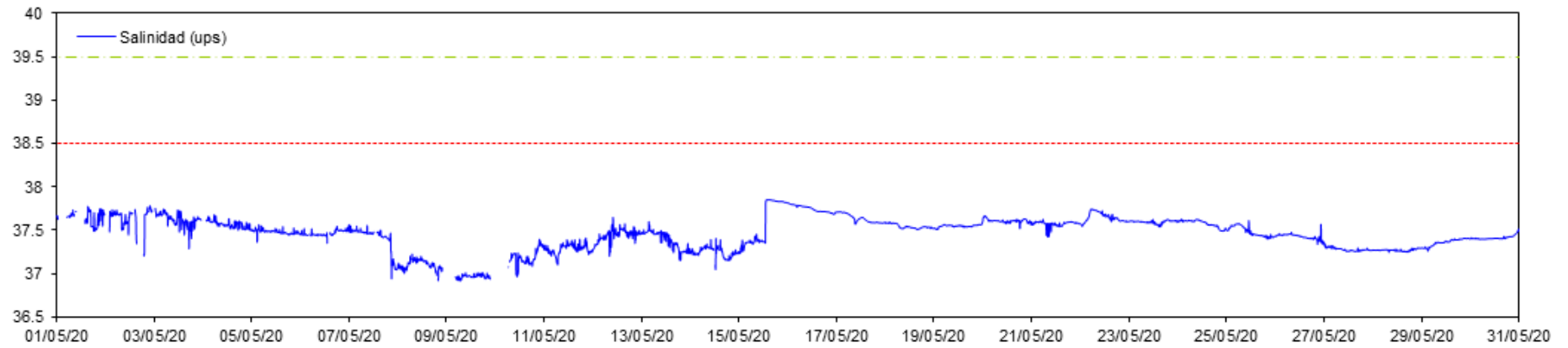


Datos CT Vertido - 16 m

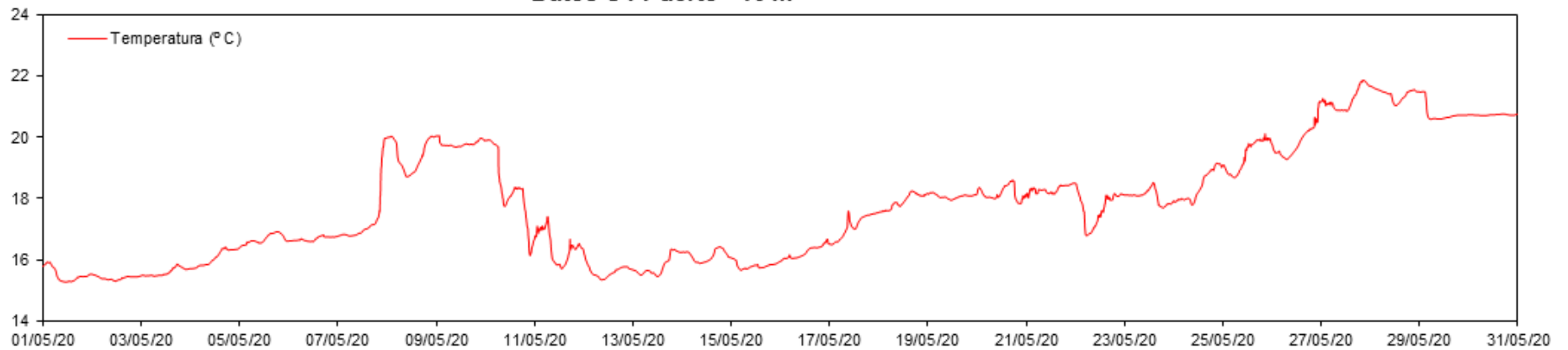


* Datos mensuales (Mayo):

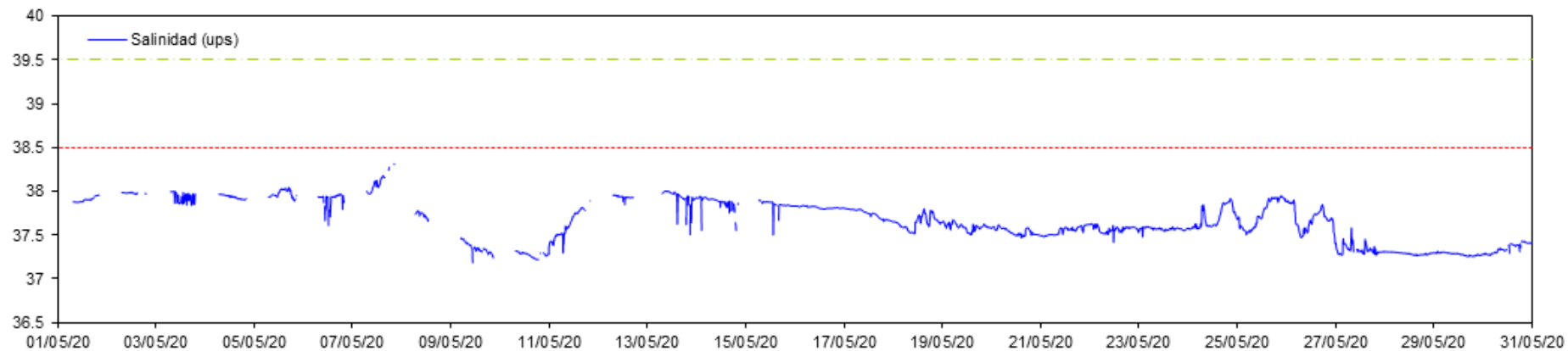
Datos CT Puerto - 16 m



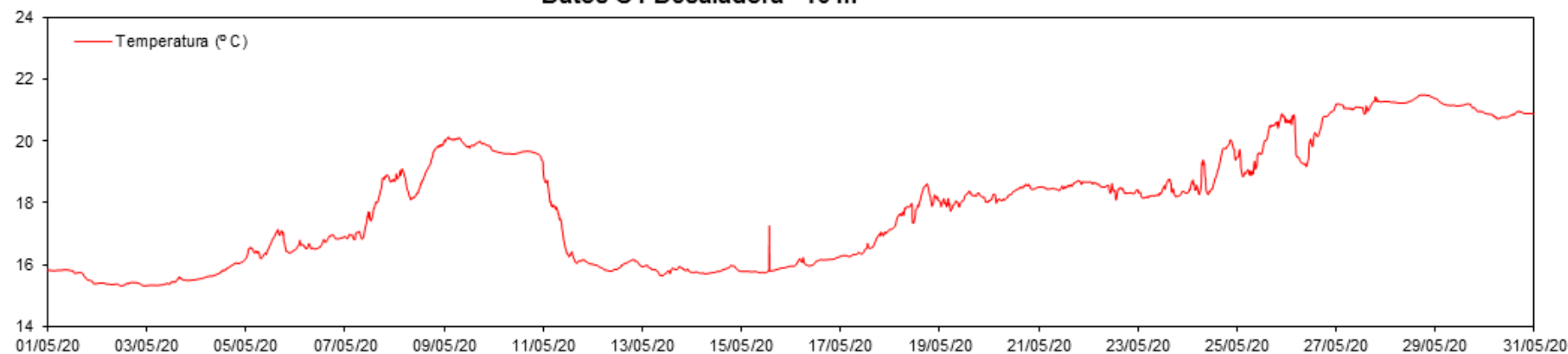
Datos CT Puerto - 16 m



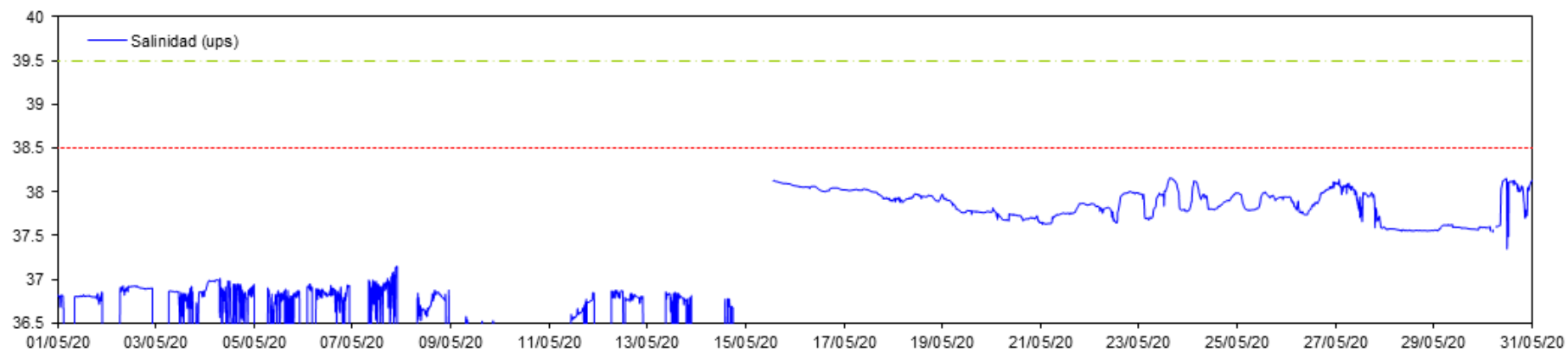
Datos CT Desaladora - 16 m



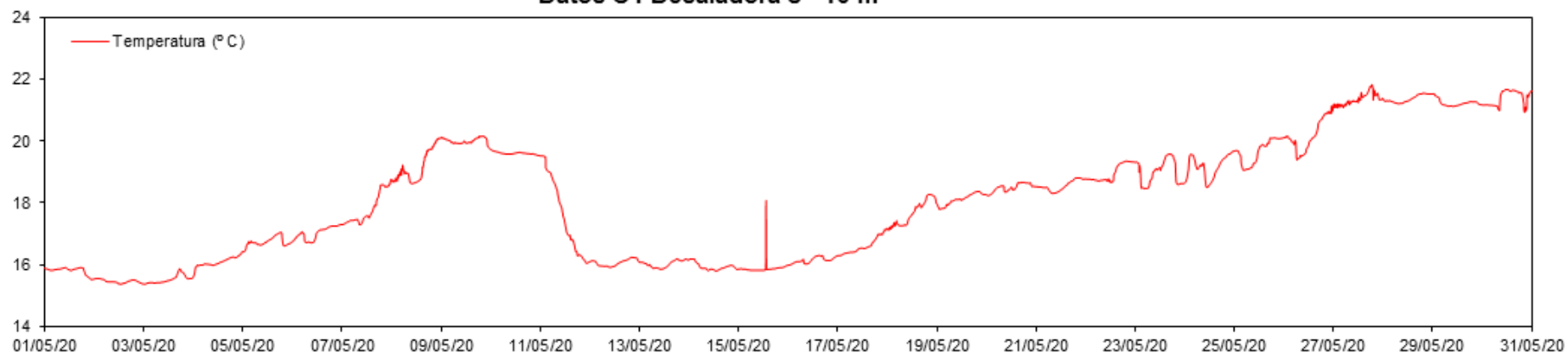
Datos CT Desaladora - 16 m



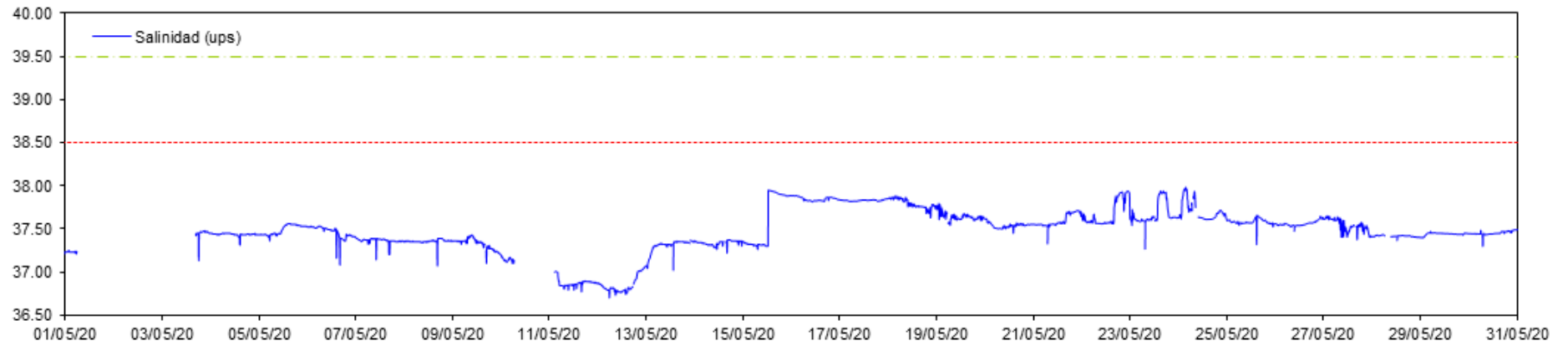
Datos CT Desaladora S - 16 m



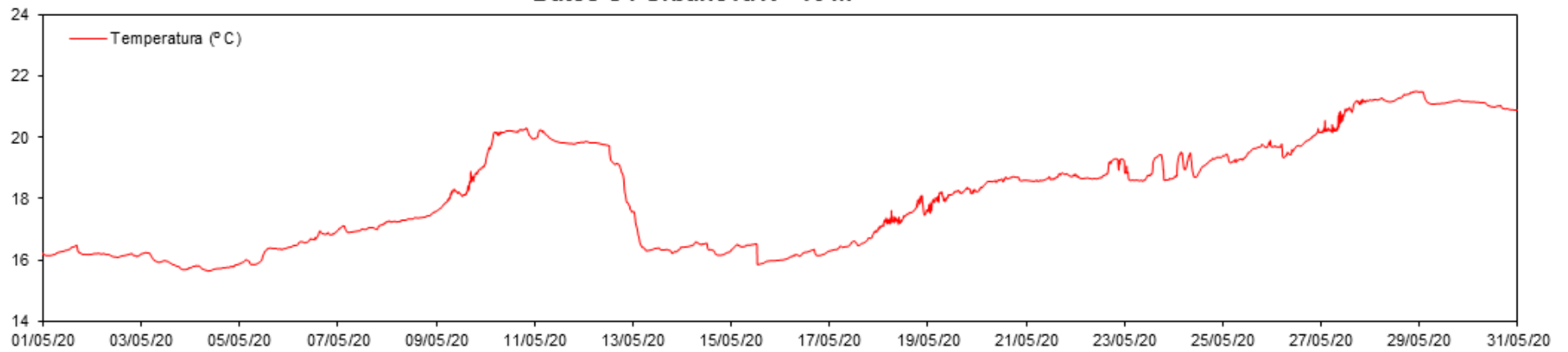
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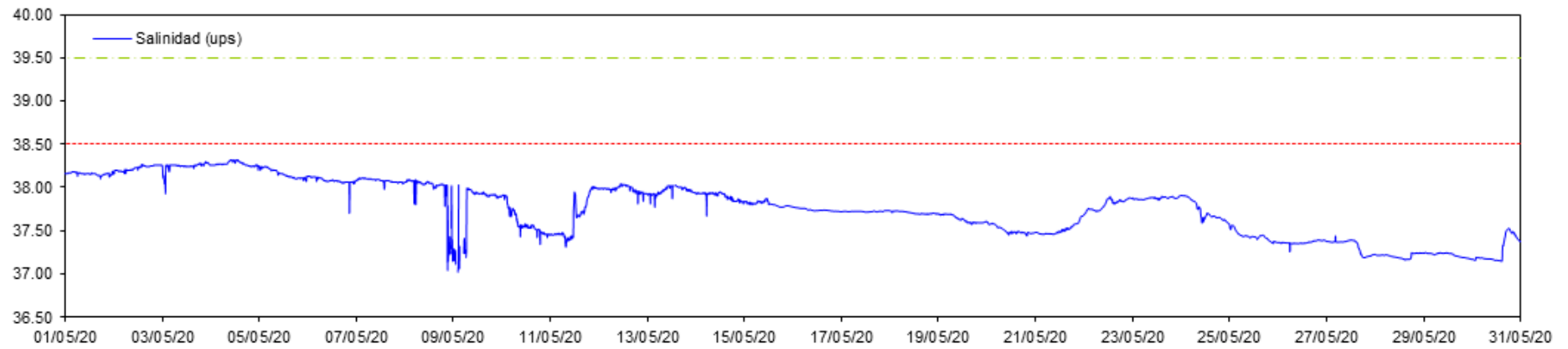
Datos CT Urbanova N - 16 m



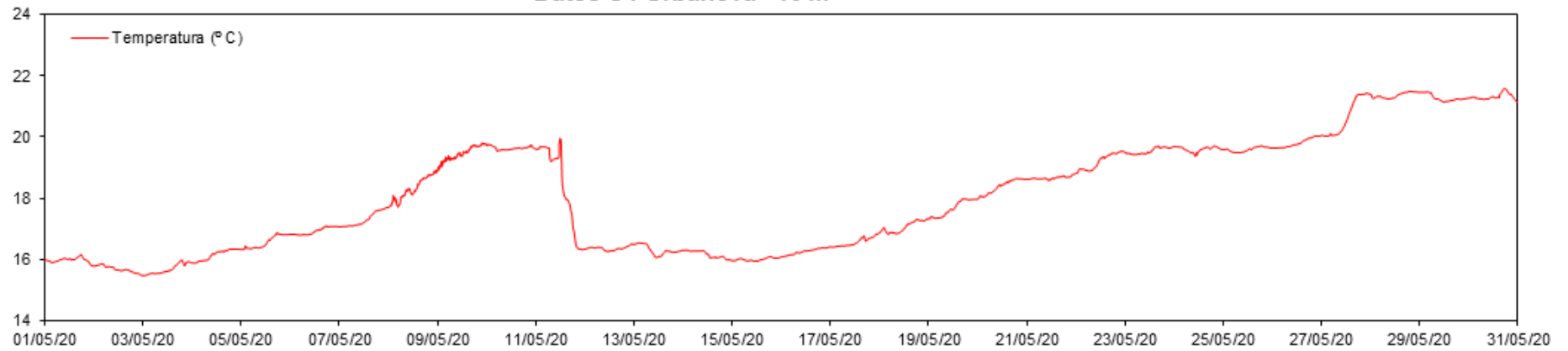
Datos CT Urbanova N - 16 m



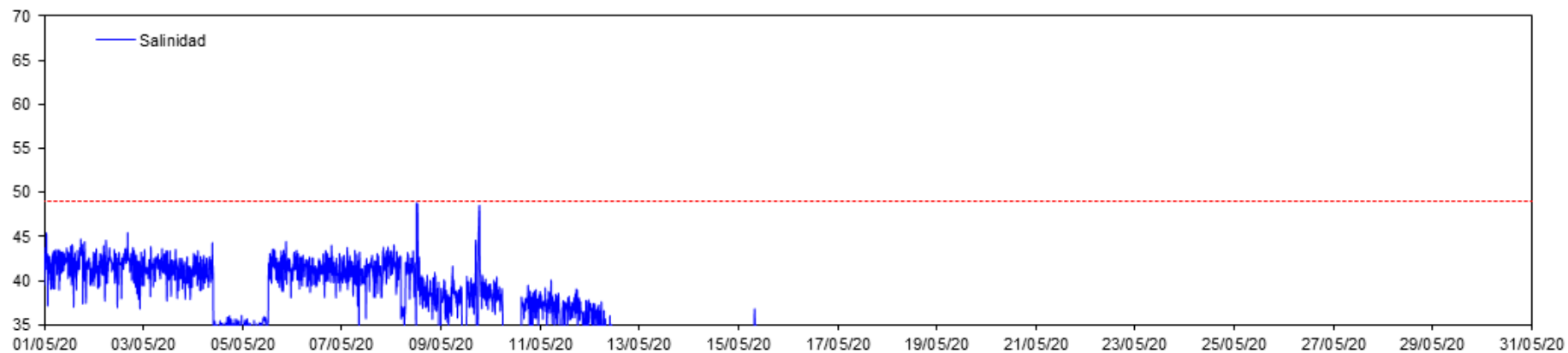
Datos CT Urbanova - 16 m



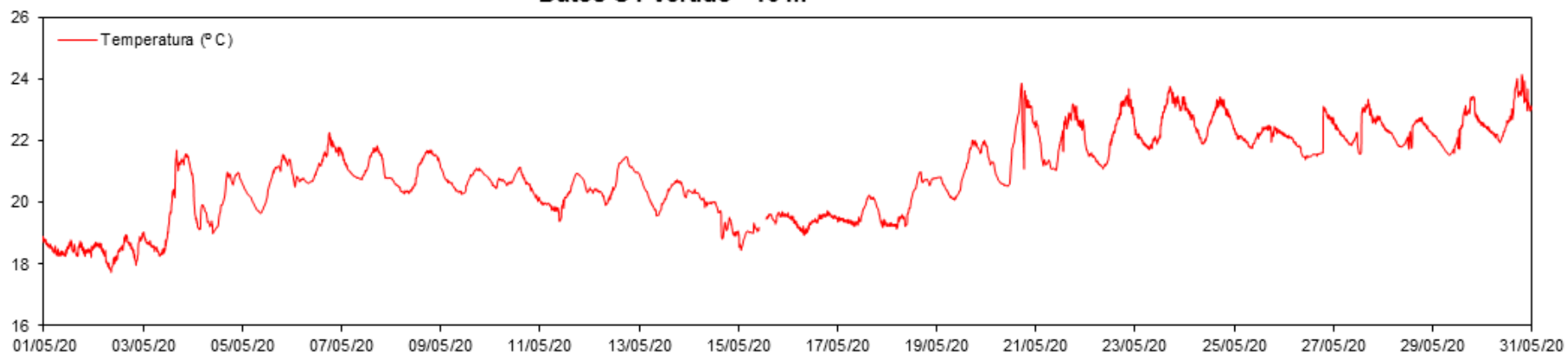
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

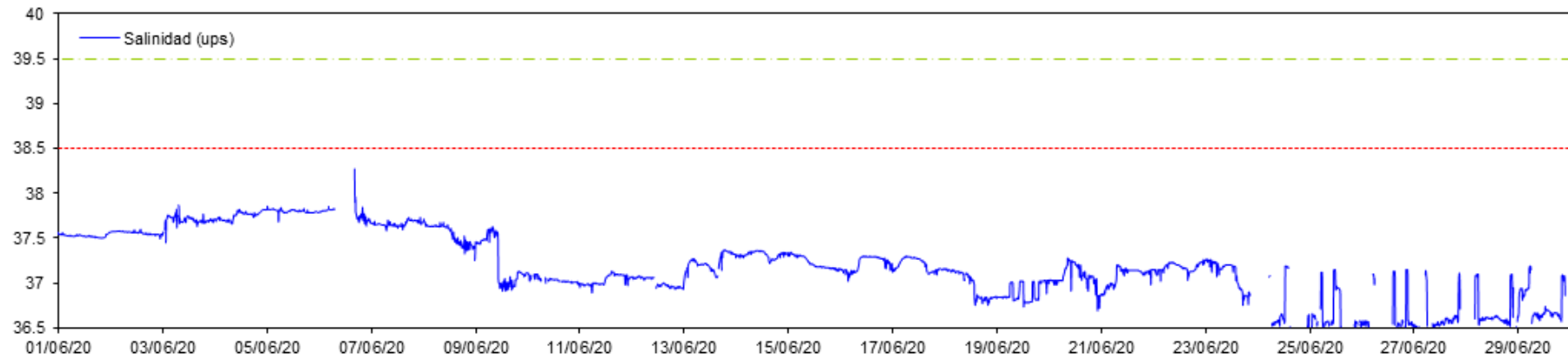


Datos CT Vertido - 16 m

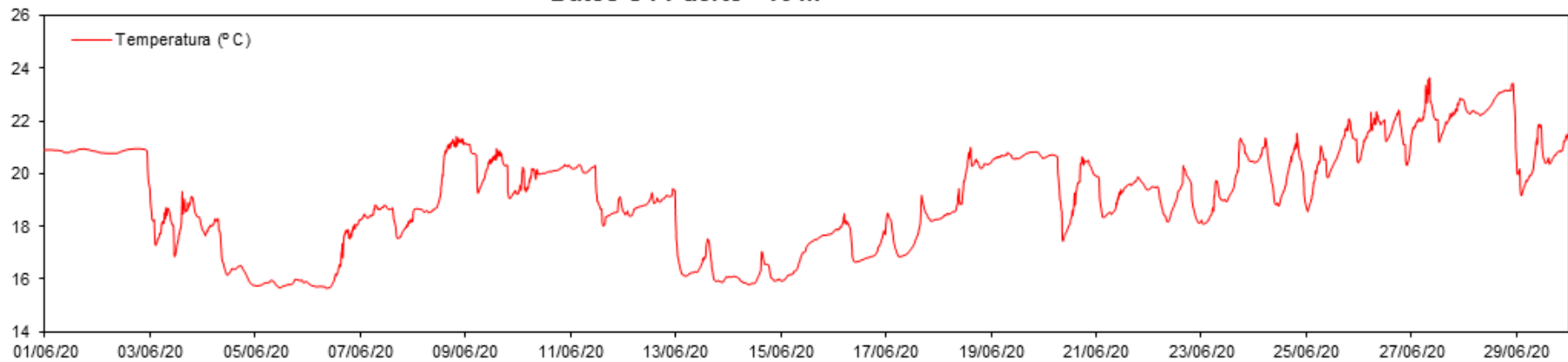


* Datos mensuales (Junio):

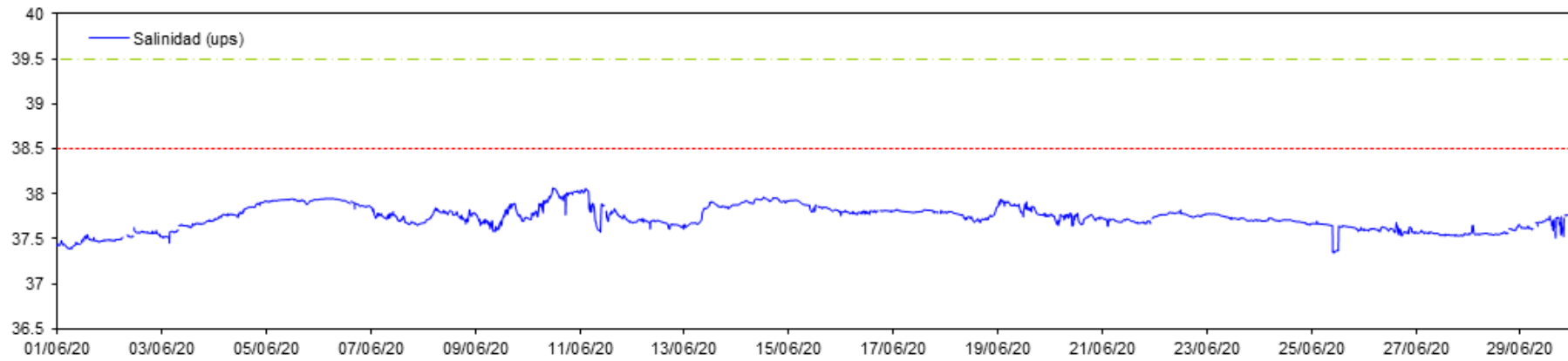
Datos CT Puerto - 16 m



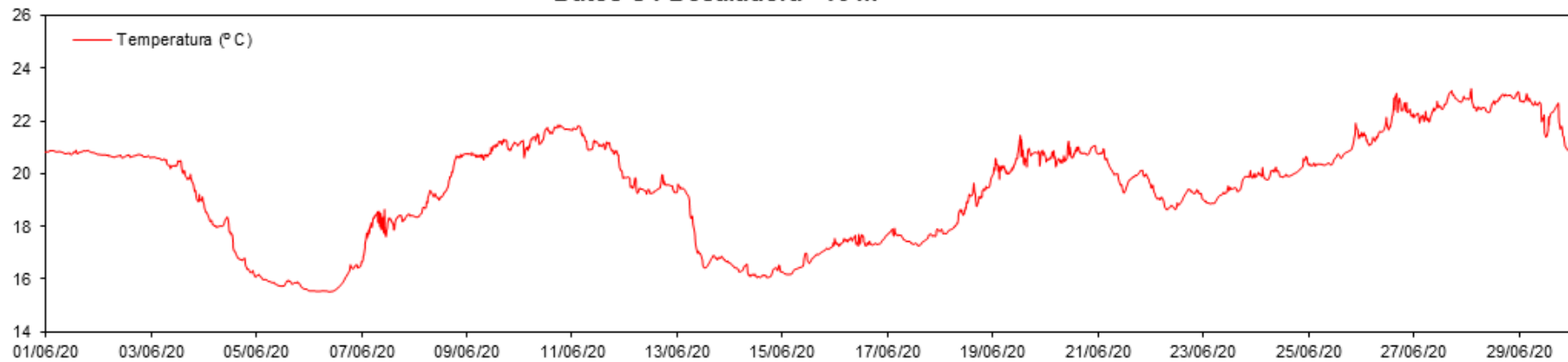
Datos CT Puerto - 16 m



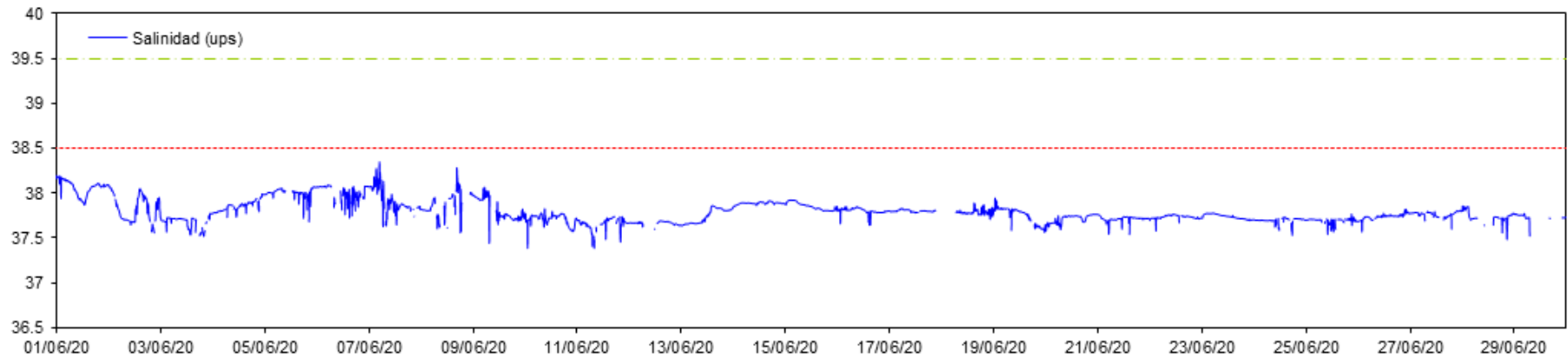
Datos CT Desaladora - 16 m



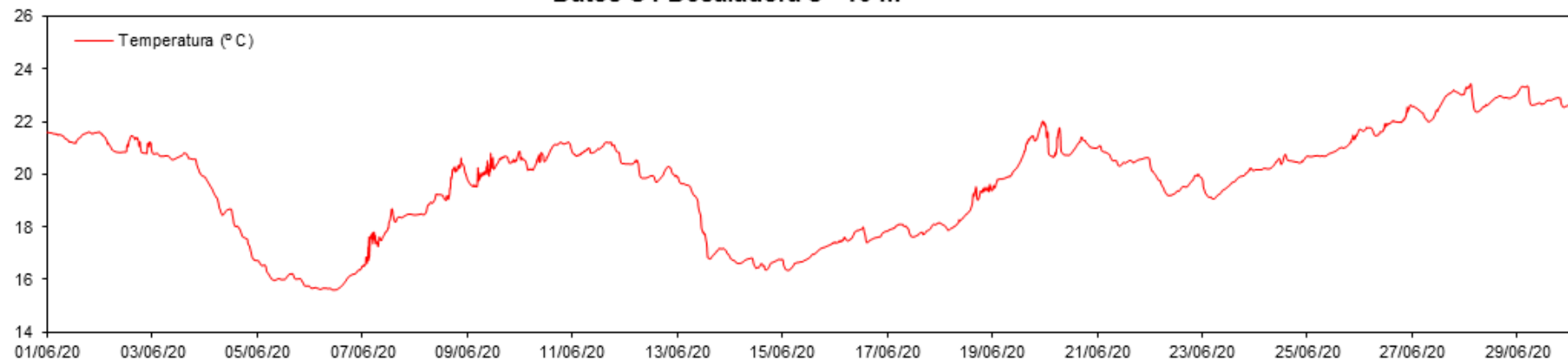
Datos CT Desaladora - 16 m



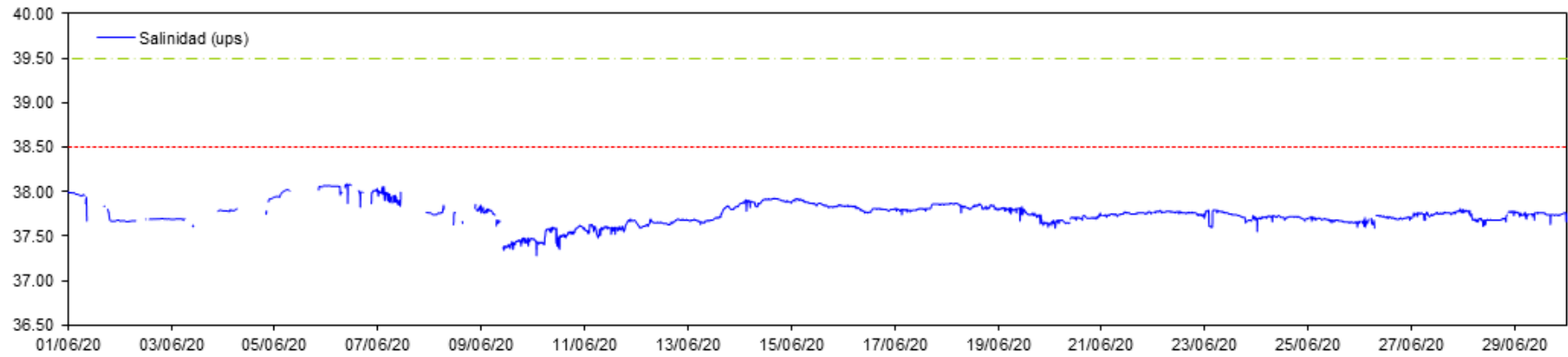
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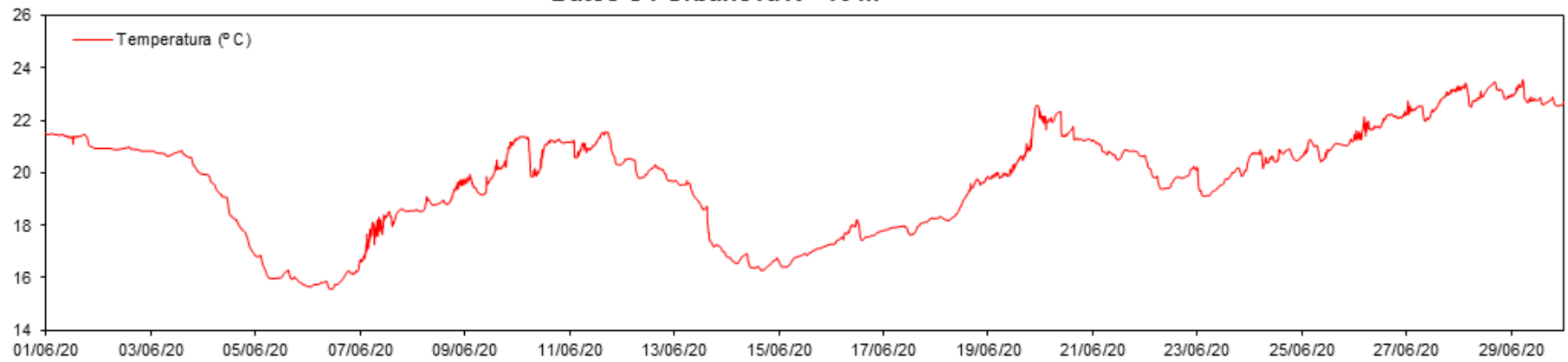
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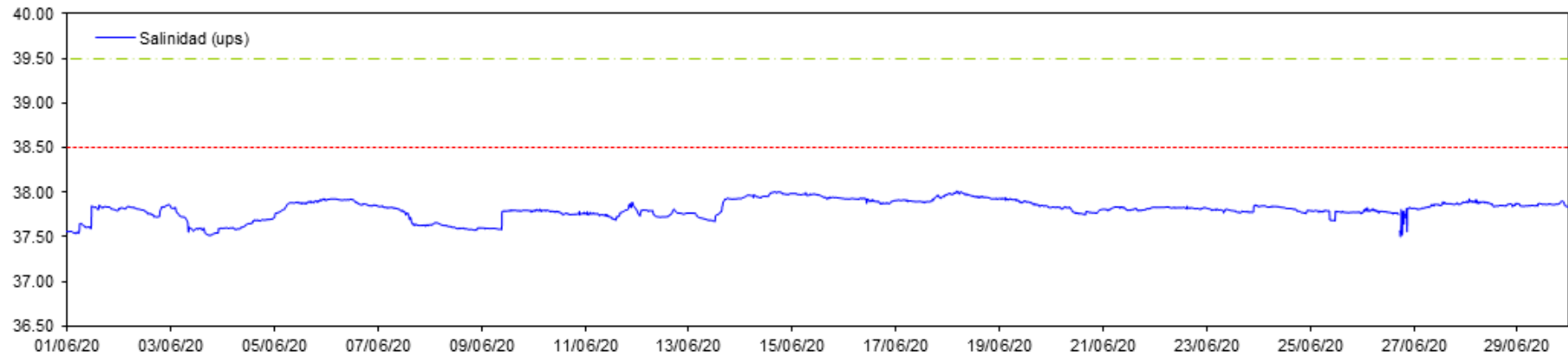
Datos CT Urbanova N - 16 m



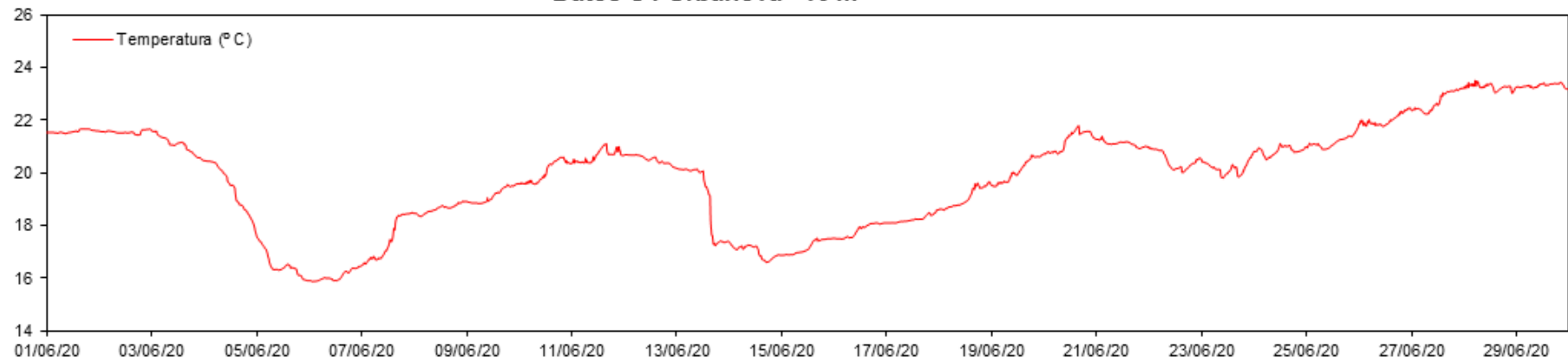
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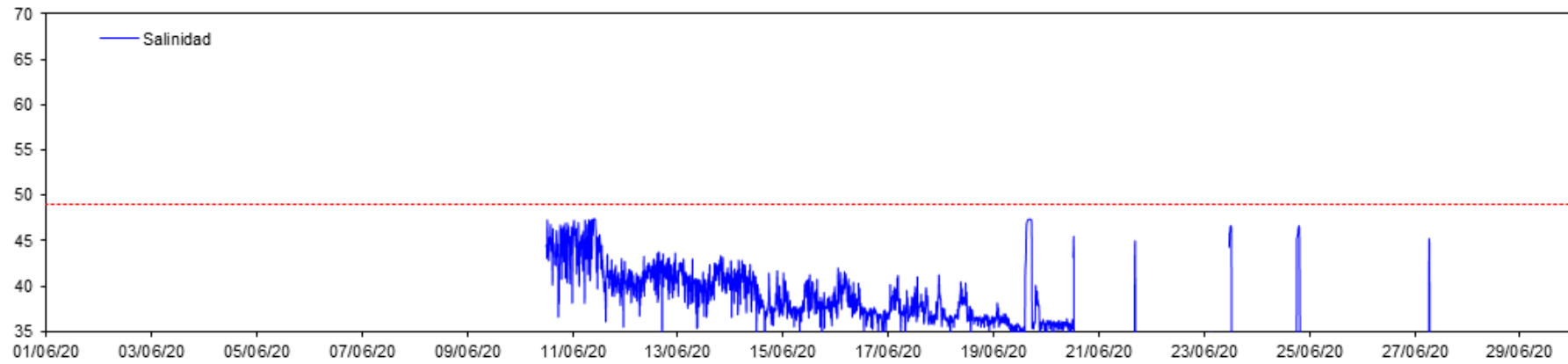
Datos CT Urbanova - 16 m



Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m



Datos CT Vertido - 16 m

