



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. Octubre-Diciembre de 2020

VALORACIÓN: La salinidad durante el periodo considerado ha estado dentro de los niveles establecidos.

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

En Alicante a 21 de enero de 2021

A handwritten signature in blue ink, consisting of several overlapping strokes that form a stylized, somewhat abstract shape.

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.

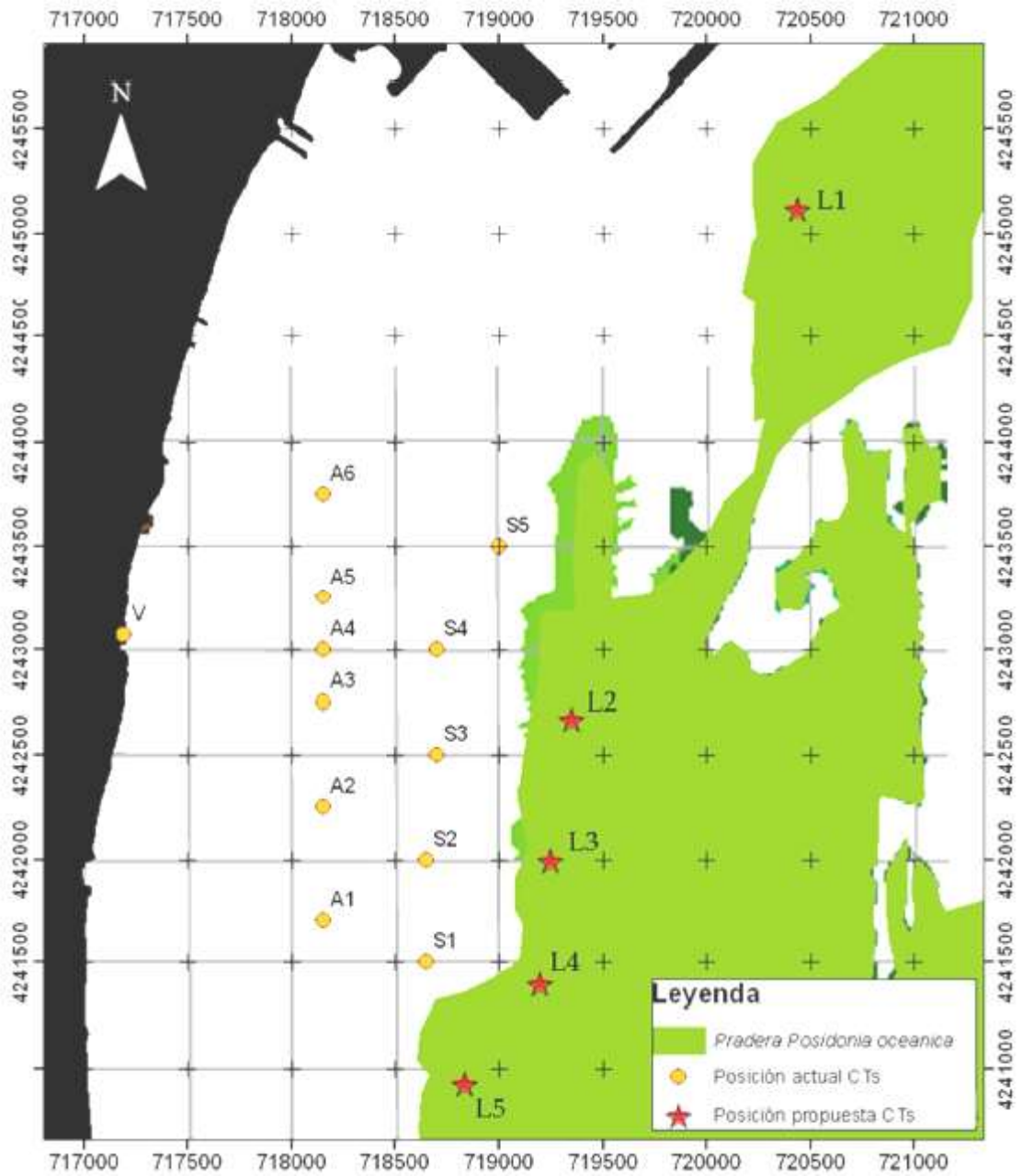


Figura 1: Posición de los sensores.

Mediciones de salinidad y temperatura en el medio receptor

***Octubre:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.3	% > 38.5	% > 40
1 (Control Puerto)	37.11	37.46	36.70	0.00	0.00	0.00
2 (Desaladora)	37.39	37.83	36.82	0.00	0.00	0.00
3 (Desaladora Sur)	35.41	36.14	32.07	0.00	0.00	0.00
4 (Urbanova Norte)	37.34	37.70	36.72	0.00	0.00	0.00
5 (Urbanova)	37.23	37.58	36.54	0.00	0.00	0.00
Vertido	36.11	43.96	30.02	% > 38.5 27.9	% > 39.5 18.7	% > 49 0.00

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	19.68	23.91	17.02
2 (Desaladora)	19.88	24.13	17.19
3 (Desaladora Sur)	20.01	24.10	17.33
4 (Urbanova Norte)	19.97	23.88	17.26
5 (Urbanova)	20.06	23.86	17.54
Vertido	20.80	24.45	18.35

*** Noviembre:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.3	% > 38.5	% > 40
1 (Control Puerto)	37.08	37.35	36.80	0.00	0.00	0.00
2 (Desaladora)	37.50	38.11	36.67	0.00	0.00	0.00
3 (Desaladora Sur)	37.52	37.76	36.23	0.00	0.00	0.00
4 (Urbanova Norte)	37.21	37.62	36.76	0.00	0.00	0.00
5 (Urbanova)	36.78	37.20	34.31	0.00	0.00	0.00
Vertido	36.49	49.67	30.06	% > 38.5	% > 39.5	% > 49
				1.3	0.7	0.1

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	19.11	19.73	16.60
2 (Desaladora)	19.20	19.75	17.88
3 (Desaladora Sur)	19.27	19.86	17.89
4 (Urbanova Norte)	19.22	19.77	17.95
5 (Urbanova)	19.58	19.76	19.20
Vertido	19.12	23.20	16.83

*** Diciembre:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.3	% > 38.5	% > 40
1 (Control Puerto)	37.66	38.27	37.04	0.00	0.00	0.00
2 (Desaladora)	37.70	38.16	36.77	0.00	0.00	0.00
3 (Desaladora Sur)	37.64	38.08	37.13	0.00	0.00	0.00
4 (Urbanova Norte)	37.43	37.73	36.95	0.00	0.00	0.00
5 (Urbanova)	37.44	37.73	37.15	0.00	0.00	0.00
Vertido	36.68	39.47	35.01	% > 38.5	% > 39.5	% > 49
				0.7	0.00	0.00

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	16.26	18.43	14.66
2 (Desaladora)	16.11	18.20	14.28
3 (Desaladora Sur)	16.06	18.22	14.21
4 (Urbanova Norte)	15.98	18.16	14.03
5 (Urbanova)	15.96	18.16	14.03
Vertido	15.48	18.88	12.32

Régimen de funcionamiento de las desalinizadoras

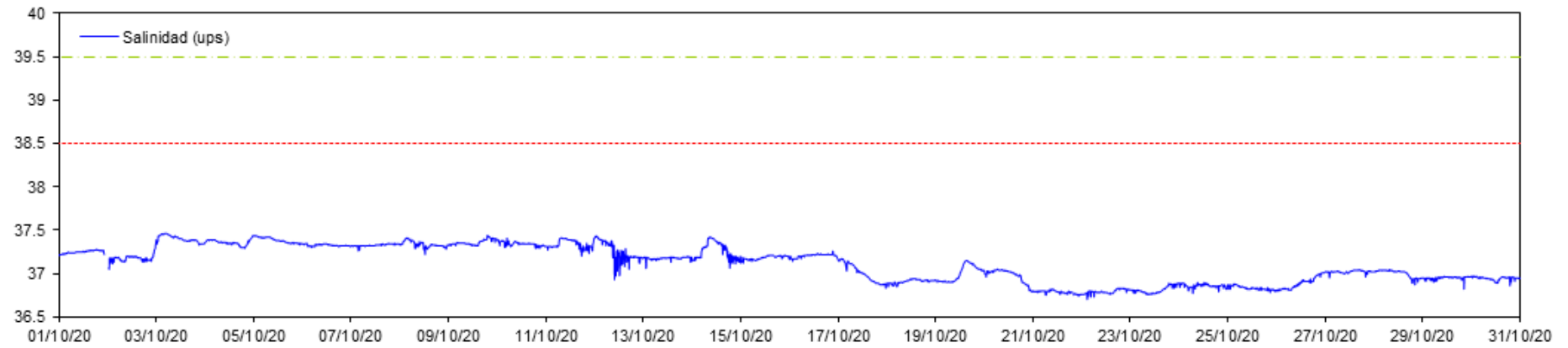
	Producción Alicante I (m ³ /día)	Producción Alicante II (m ³ /día)	Rechazo Alicante I (m ³ /día)	Rechazo Alicante II (m ³ /día)	CAUDAL vertido (m ³ /h)	CAUDAL Dilución (m ³ /h)	RELACIÓN de dilución
01/10/2020	17.855	31.493	24.889	43.217	2837,75	8850,00	3,12
02/10/2020	14.679	38.154	19.809	54.173	3082,58	9000,00	2,92
03/10/2020	14.148	39.389	19.212	53.673	3036,88	9000,00	2,96
04/10/2020	13.104	40.939	17.908	54.847	3031,46	9000,00	2,97
05/10/2020	18.565	35.619	25.091	50.587	3153,25	9000,00	2,85
06/10/2020	17.785	39.559	24.031	53.634	3236,04	9000,00	2,78
07/10/2020	14.147	42.576	19.605	52.744	3014,54	6916,67	2,29
08/10/2020	13.531	40.910	18.547	52.969	2979,83	6500,00	2,18
09/10/2020	14.416	38.794	19.666	55.860	3146,92	6500,00	2,07
10/10/2020	14.193	37.791	19.543	55.752	3137,29	6100,00	1,94
11/10/2020	8.196	37.785	10.816	53.009	2659,38	5800,00	2,18
12/10/2020	7.179	40.247	9.229	53.309	2605,75	5800,00	2,23
13/10/2020	7.439	39.357	9.649	55.750	2724,96	5800,00	2,13
14/10/2020	6.819	37.110	8.925	52.199	2546,83	5800,00	2,28
15/10/2020	7.150	39.770	9.202	52.182	2557,67	5800,00	2,27
16/10/2020	7.073	36.977	9.299	52.042	2555,88	5800,00	2,27
17/10/2020	7.132	37.633	9.188	53.073	2594,21	5800,00	2,24
18/10/2020	7.030	38.310	9.026	53.139	2590,21	5800,00	2,24
19/10/2020	11.021	40.374	15.091	56.847	2997,42	5863,00	1,96
20/10/2020	14.365	40.473	19.395	53.469	3036,00	6100,00	2,01
21/10/2020	12.175	38.007	22.201	52.380	3107,54	6100,00	1,96
22/10/2020	15.075	38.324	20.237	52.272	3021,21	6100,00	2,02
23/10/2020	14.403	40.323	19.317	55.850	3131,96	6100,00	1,95
24/10/2020	14.080	38.727	19.160	53.233	3016,38	6100,00	2,02
25/10/2020	13.963	39.454	18.677	52.156	2951,38	6100,00	2,07
26/10/2020	14.438	37.110	19.482	51.805	2970,29	6100,00	2,05
27/10/2020	14.292	41.446	19.220	53.737	3039,88	6100,00	2,01
28/10/2020	13.724	38.361	18.540	52.501	2960,04	6100,00	2,06
29/10/2020	14.638	40.806	19.618	53.991	3067,04	6100,00	1,99
30/10/2020	8.164	32.127	10.956	38.511	2061,13	5987,50	2,90
31/10/2020	6.871	27.496	9.089	38.415	1979,33	5800,00	2,93

	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
01/11/2020	7.483	29.332	9.613	38.634	2010,29	5800,00	2,89
02/11/2020	7.001	27.169	9.239	38.911	2006,25	5800,00	2,89
03/11/2020	6.698	30.054	8.838	39.481	2013,29	5800,00	2,88
04/11/2020	7.161	27.139	9.759	36.731	1937,08	5800,00	2,99
05/11/2020	6.920	29.529	9.080	39.043	2005,13	5800,00	2,89
06/11/2020	6.930	29.973	9.182	39.527	2029,54	5800,00	2,86
07/11/2020	7.086	28.577	9.450	36.780	1926,25	5800,00	3,01
08/11/2020	7.296	30.018	9.472	40.857	2097,04	5800,00	2,77
09/11/2020	7.096	27.506	9.320	37.982	1970,92	5800,00	2,94
10/11/2020	7.314	35.679	9.678	36.304	1915,92	4792,00	2,50
11/11/2020	6.544	38.564	8.696	39.307	2000,13	4500,00	2,25
12/11/2020	7.079	38.449	9.337	36.669	1916,92	4500,00	2,35
13/11/2020	13.388	38.147	18.132	39.361	2395,54	4538,00	1,89
14/11/2020	14.234	40.283	19.246	37.226	2353,00	4800,00	2,04
15/11/2020	13.960	39.103	18.680	39.996	2444,83	4800,00	1,96
16/11/2020	15.816	39.190	20.872	40.632	2562,67	4800,00	1,87
17/11/2020	15.403	39.880	19.453	39.692	2464,38	4800,00	1,95
18/11/2020	15.648	37.230	19.712	38.959	2444,63	4800,00	1,96
19/11/2020	14.381	38.910	17.995	39.474	2394,54	4800,00	2,00
20/11/2020	15.031	39.969	19.225	40.429	2485,58	4800,00	1,93
21/11/2020	15.276	40.078	19.276	41.386	2527,58	4800,00	1,90
22/11/2020	15.477	37.824	19.523	35.512	2293,13	4800,00	2,09
23/11/2020	14.405	38.979	18.703	54.682	3057,71	4800,00	1,57
24/11/2020	14.700	38.979	20.504	54.682	3132,75	4800,00	1,53
25/11/2020	15.283	38.351	15.621	50.745	2765,25	5700,00	2,06
26/11/2020	15.157	37.304	19.339	48.272	2817,13	6600,00	2,34
27/11/2020	13.674	32.452	21.854	46.093	2831,13	4675,00	1,65
28/11/2020	8.223	38.178	9.985	50.407	2516,33	4700,00	1,87
29/11/2020	7.258	30.015	9.678	44.523	2258,38	4700,00	2,08
30/11/2020	7.426	35.064	9.771	41.459	1458,17	4700,00	3,22

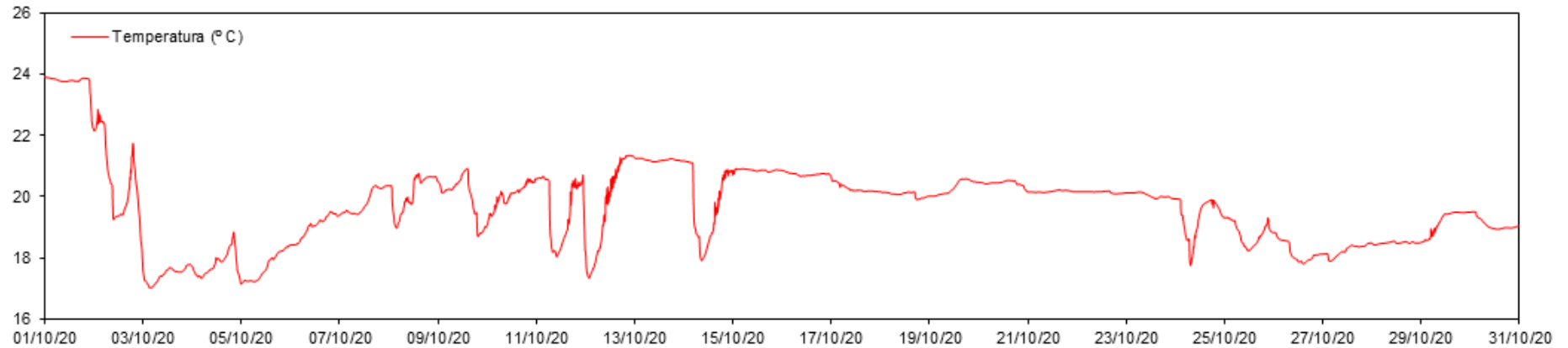
	Producción Alicante I (m³/día)	Producción Alicante II (m³/día)	Rechazo Alicante I (m³/día)	Rechazo Alicante II (m³/día)	CAUDAL vertido (m³/ h)	CAUDAL Dilución (m³/ h)	RELACIÓN de dilución
01/12/2020	7.748	19.536	10.020	25.826	1493,58	4500,00	3,01
02/12/2020	7.648	19.632	9.768	28.156	1580,17	4500,00	2,85
03/12/2020	7.583	18.068	9.585	25.606	1466,29	4500,00	3,07
04/12/2020	7.841	18.415	9.903	24.003	1412,75	4500,00	3,19
05/12/2020	1.974	23.596	2.578	33.468	1501,92	4500,00	3,00
06/12/2020	0	29.385	0	38.750	1614,58	4500,00	2,79
07/12/2020	5.873	24.563	7.583	34.557	1755,83	4500,00	2,56
08/12/2020	8.095	18.063	10.033	28.254	1595,29	4500,00	2,82
09/12/2020	8.539	23.941	10.541	30.017	1689,92	4500,00	2,66
10/12/2020	7.873	32.609	9.631	42.819	2185,42	4500,00	2,06
11/12/2020	7.364	36.825	9.092	47.143	2343,13	4500,00	1,92
12/12/2020	8.280	39.489	10.032	49.505	2480,71	4500,00	1,81
13/12/2020	8.119	38.287	9.937	48.604	2439,21	4500,00	1,84
14/12/2020	8.209	37.521	10.039	48.366	2433,54	5233,33	2,15
15/12/2020	7.693	39.121	9.379	51.696	2544,79	5600,00	2,20
16/12/2020	7.422	36.567	9.930	49.314	2468,50	5600,00	2,27
17/12/2020	6.927	32.510	9.417	46.759	2340,67	5600,00	2,39
18/12/2020	9.888	24.641	12.640	37.635	2094,79	5600,00	2,67
19/12/2020	7.463	29.091	9.097	38.392	1978,71	5600,00	2,83
20/12/2020	7.938	28.843	9.686	41.620	2137,75	5600,00	2,62
21/12/2020	8.613	26.541	10.895	33.849	1864,33	5600,00	3,00
22/12/2020	8.270	29.785	10.180	34.209	1849,54	5600,00	3,03
23/12/2020	7.978	28.478	9.686	35.816	1895,92	5600,00	2,95
24/12/2020	8.125	35.613	10.019	43.622	2235,04	5600,00	2,51
25/12/2020	8.152	36.027	9.920	46.318	2343,25	5600,00	2,39
26/12/2020	8.234	34.899	9.998	45.477	2311,46	5600,00	2,42
27/12/2020	7.510	34.838	9.186	43.520	2196,08	5600,00	2,55
28/12/2020	8.031	28.717	9.809	37.213	1959,25	5600,00	2,86
29/12/2020	8.351	25.563	10.249	36.410	1944,13	5600,00	2,88
30/12/2020	7.989	18.049	9.755	25.861	1484,00	5600,00	3,77
31/12/2020	8.479	19.558	10.329	32.221	1772,92	5600,00	3,16

* Datos mensuales (Octubre):

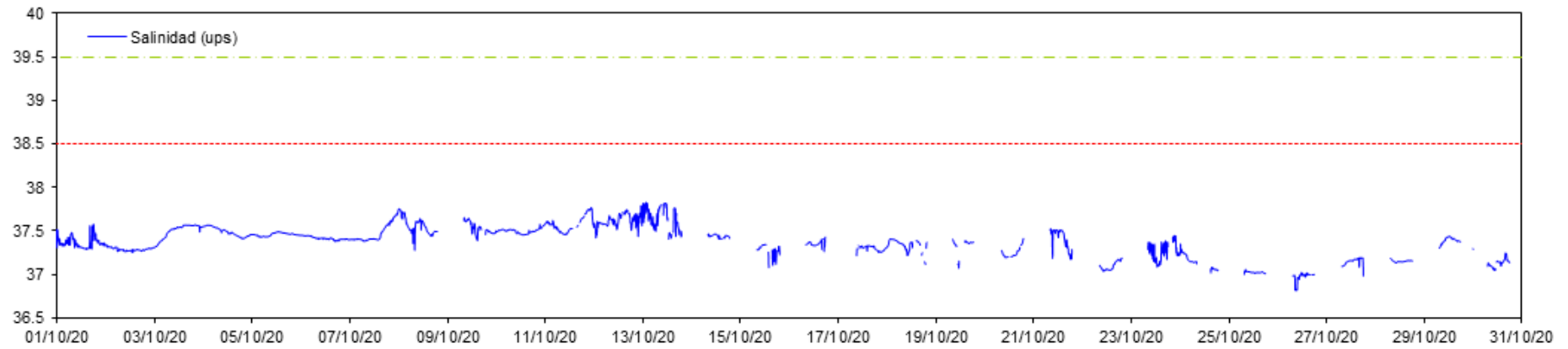
Datos CT Puerto - 16 m



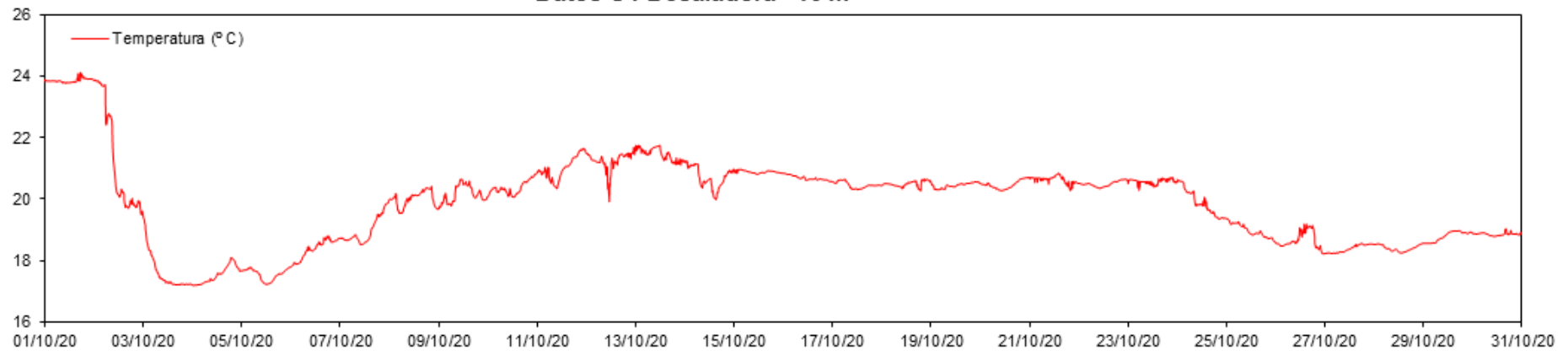
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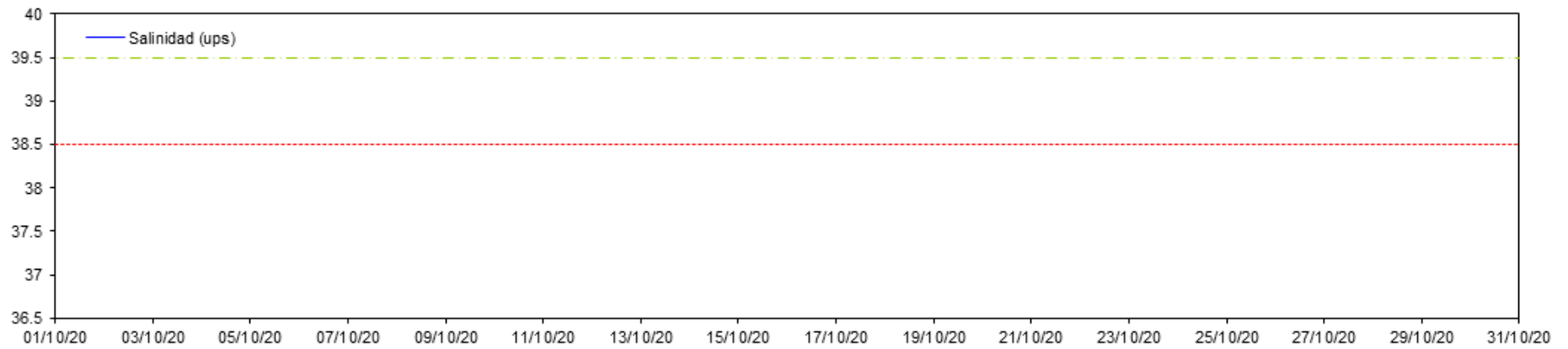
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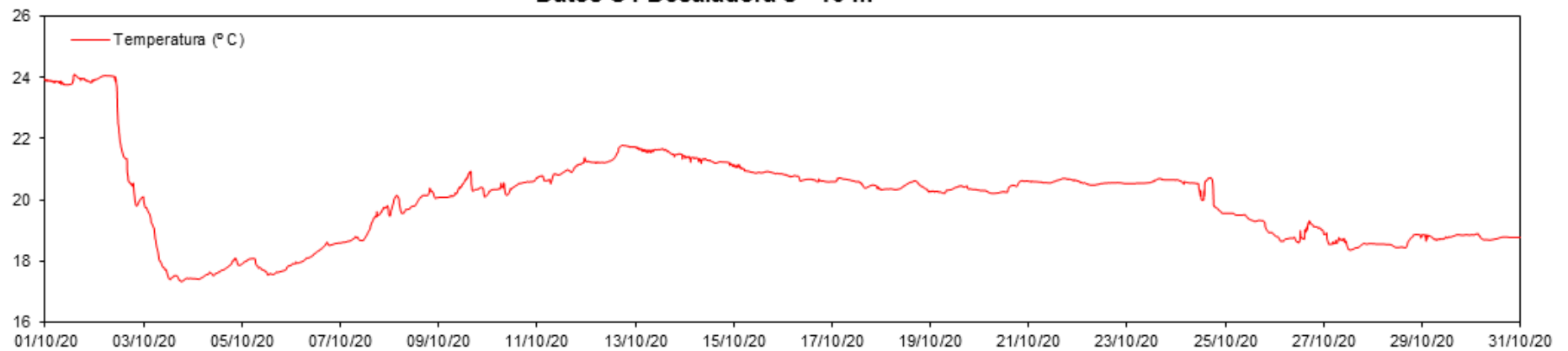
Datos CT Desaladora - 16 m



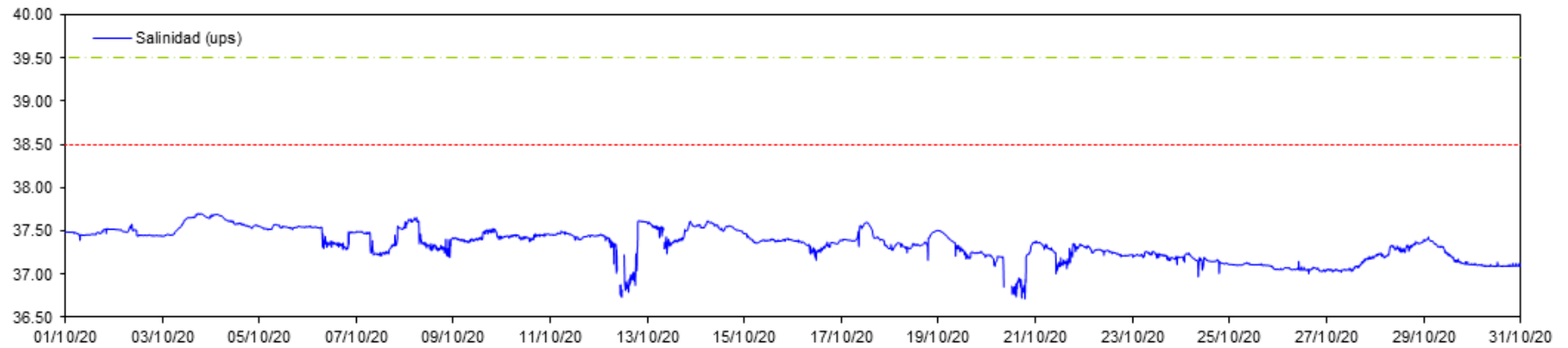
Datos CT Desaladora S - 16 m



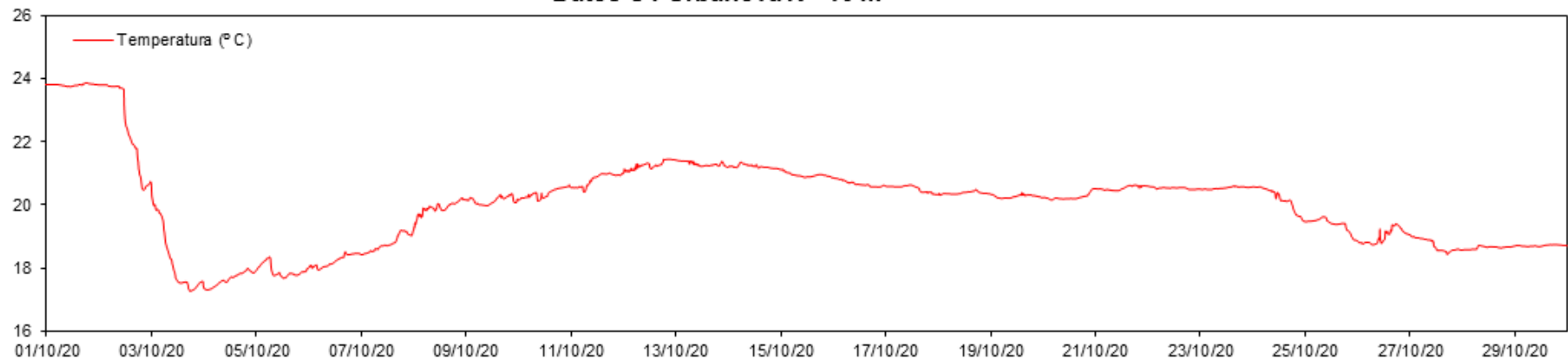
Datos CT Desaladora S - 16 m



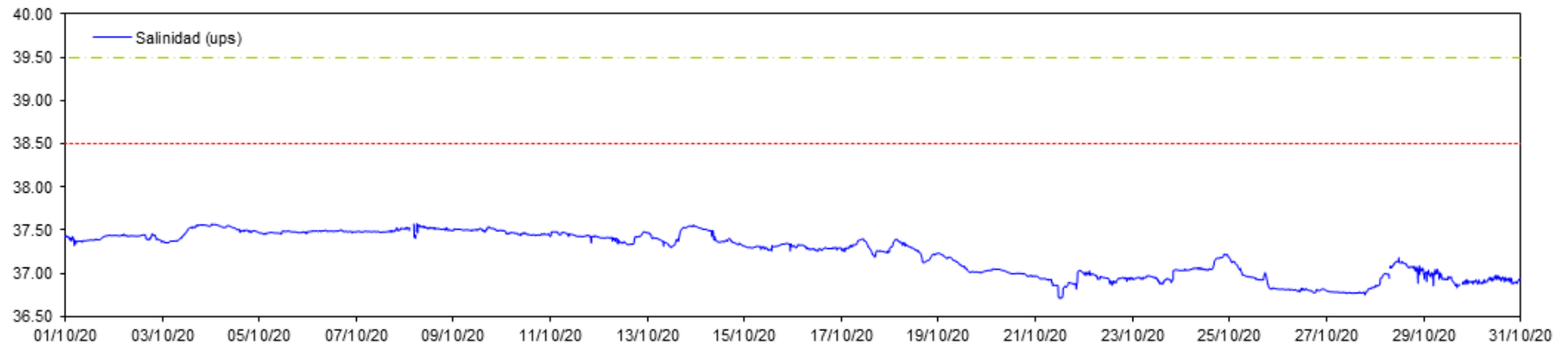
Datos CT Urbanova N - 16 m



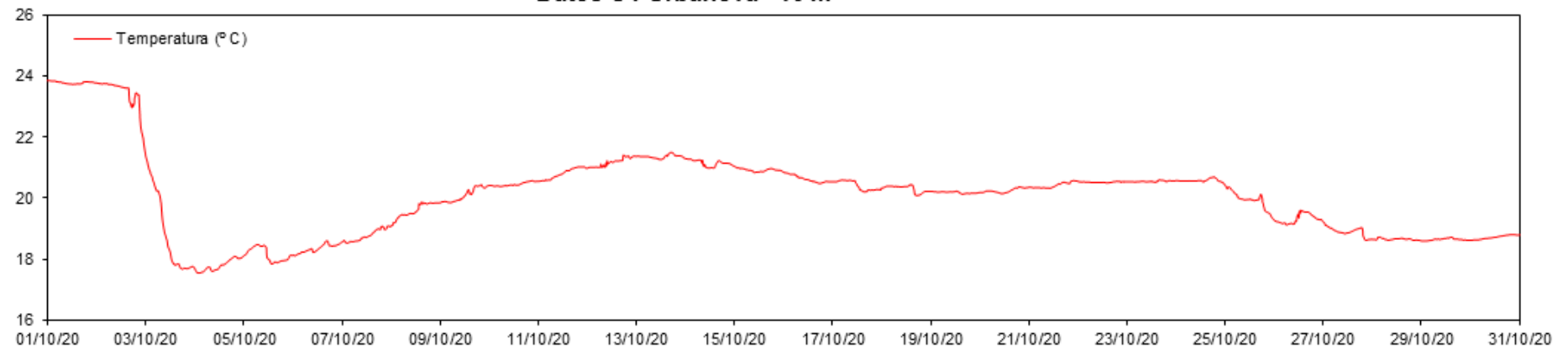
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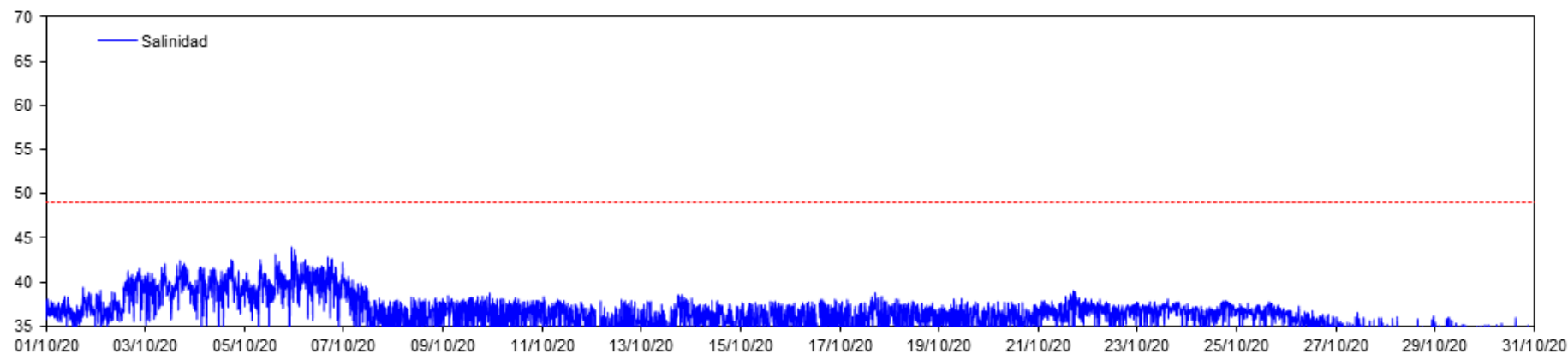
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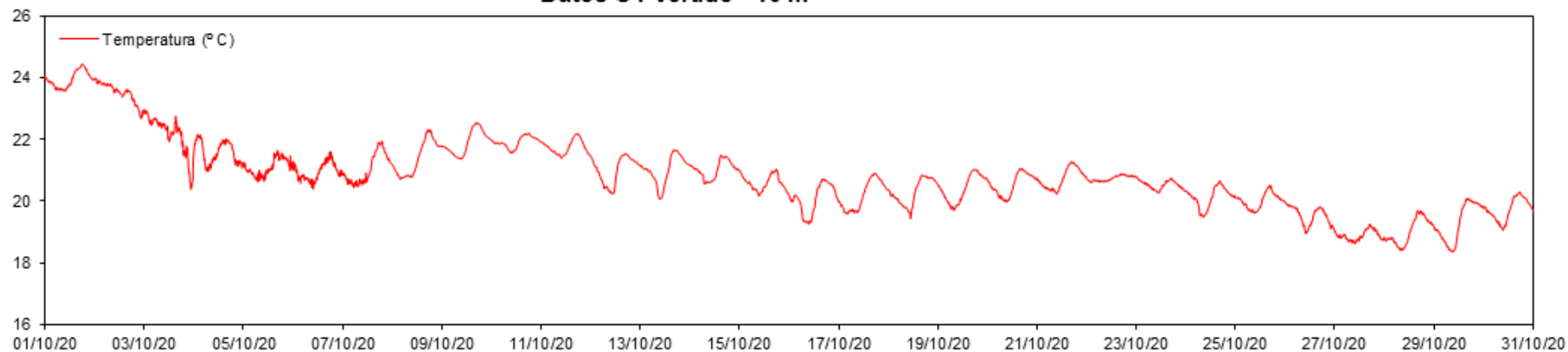
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

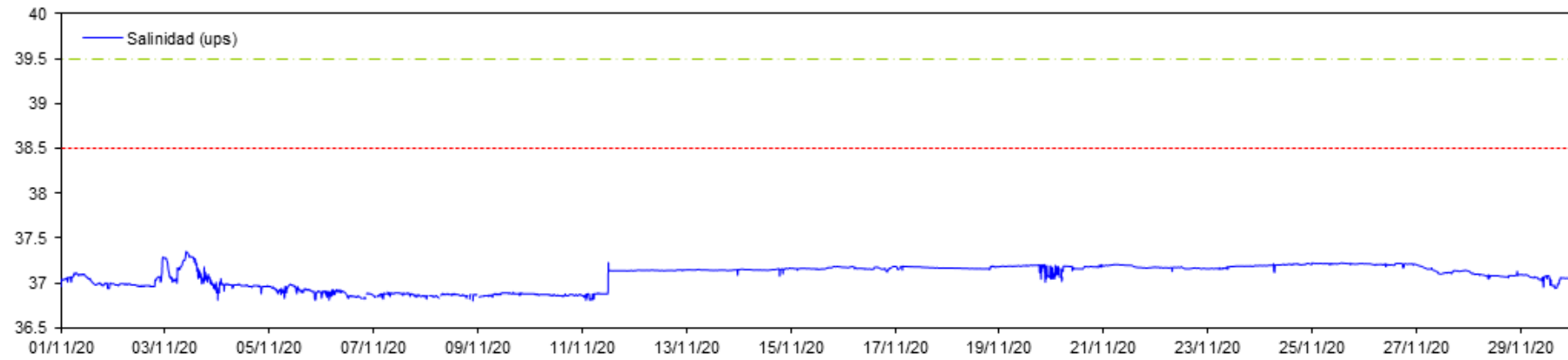


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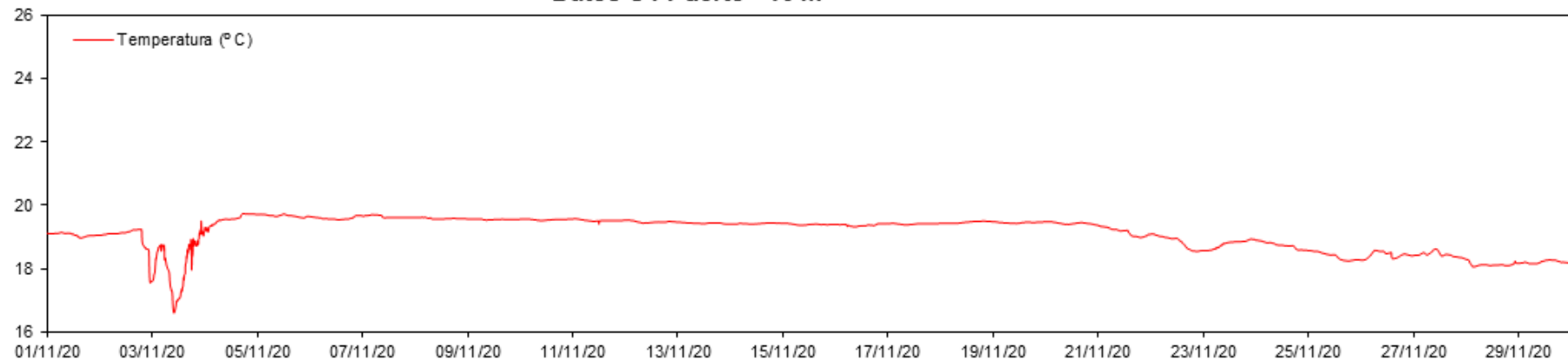


* Datos mensuales (Noviembre):

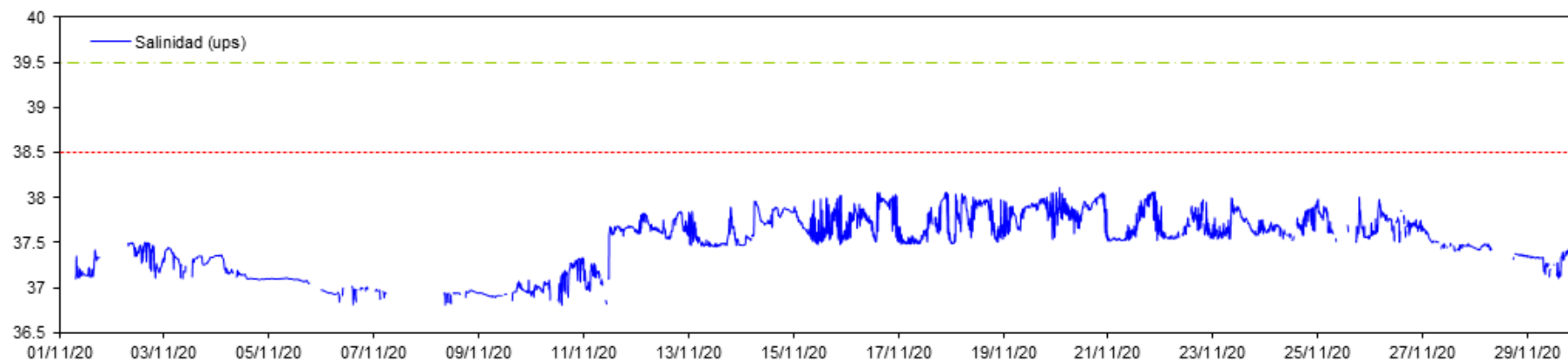
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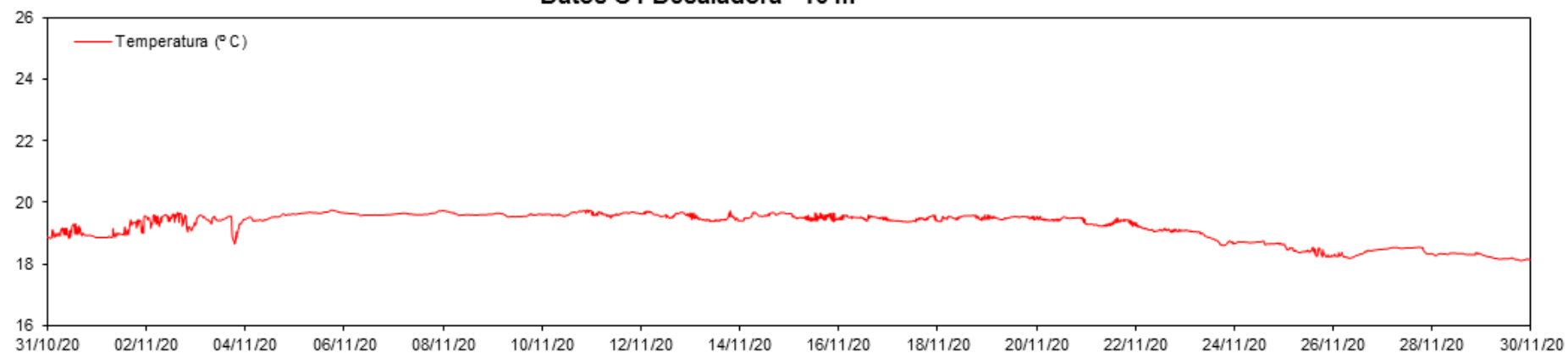
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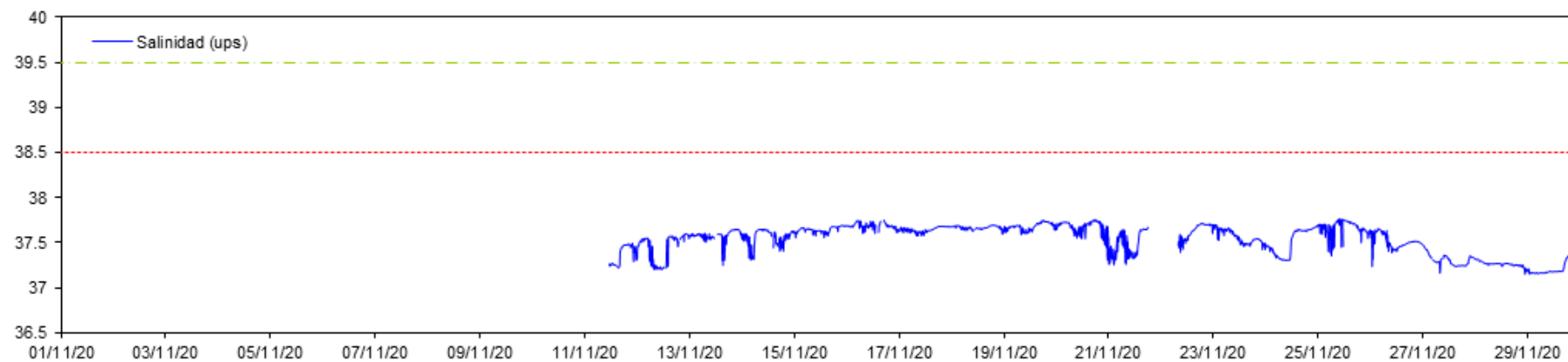
Datos CT Desaladora - 16 m



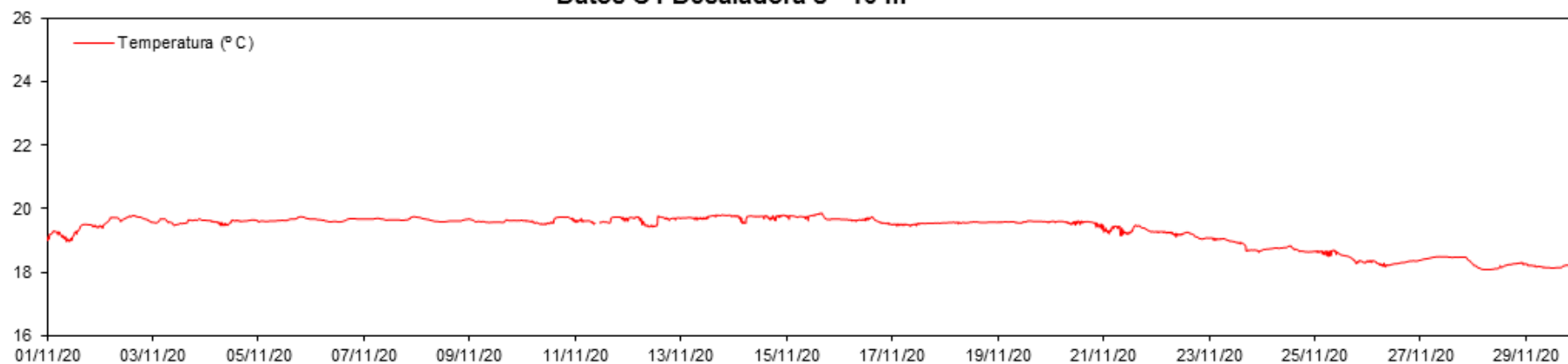
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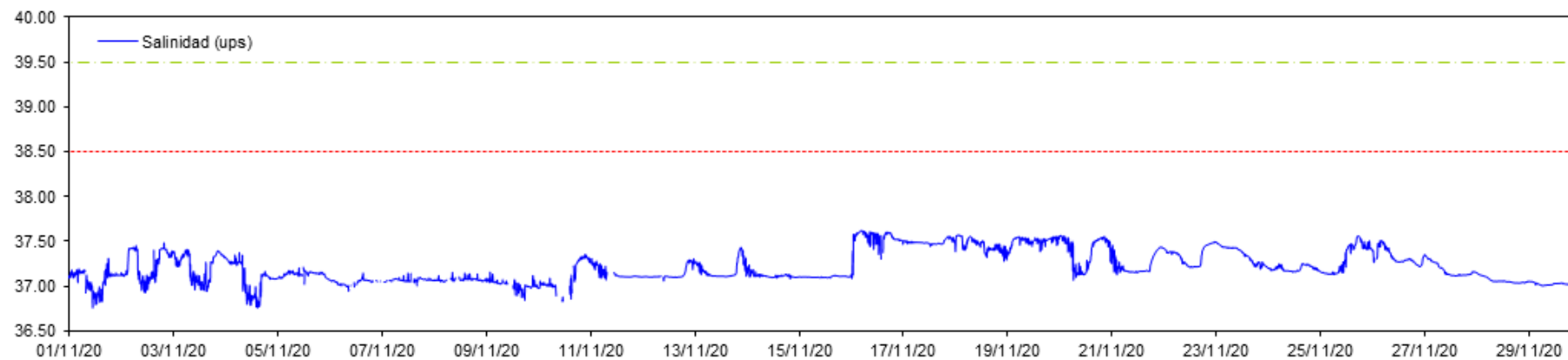
Datos CT Desaladora S - 16 m



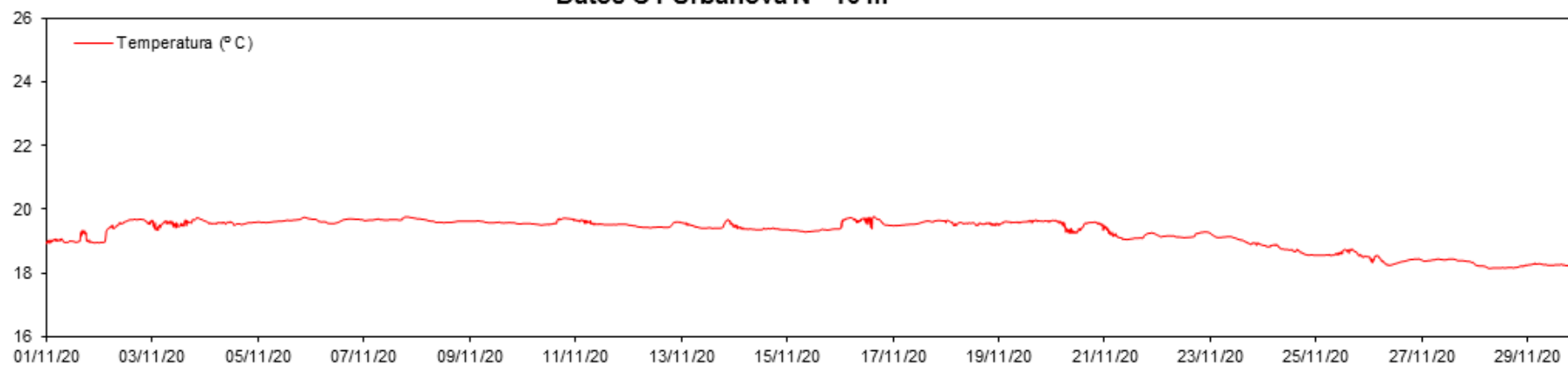
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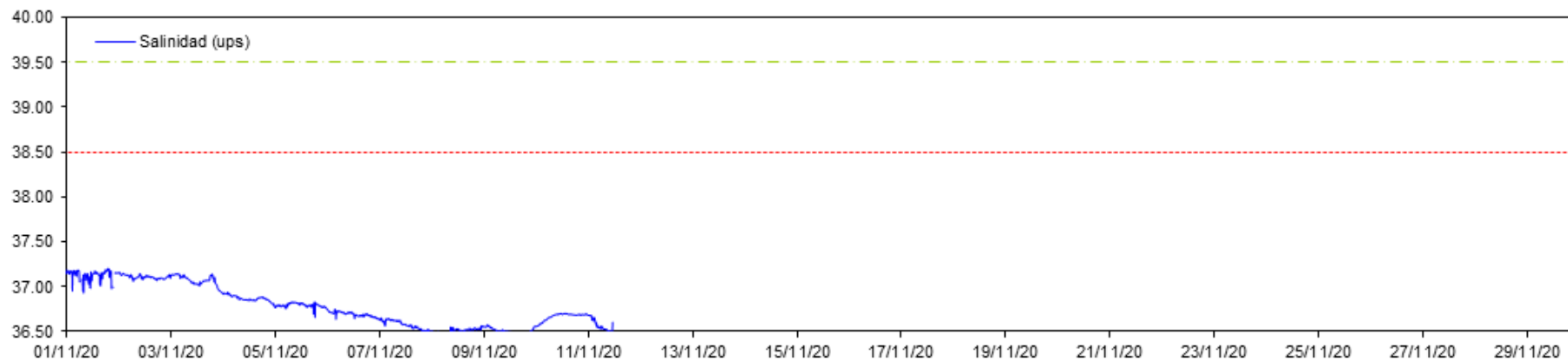
Datos CT Urbanova N - 16 m



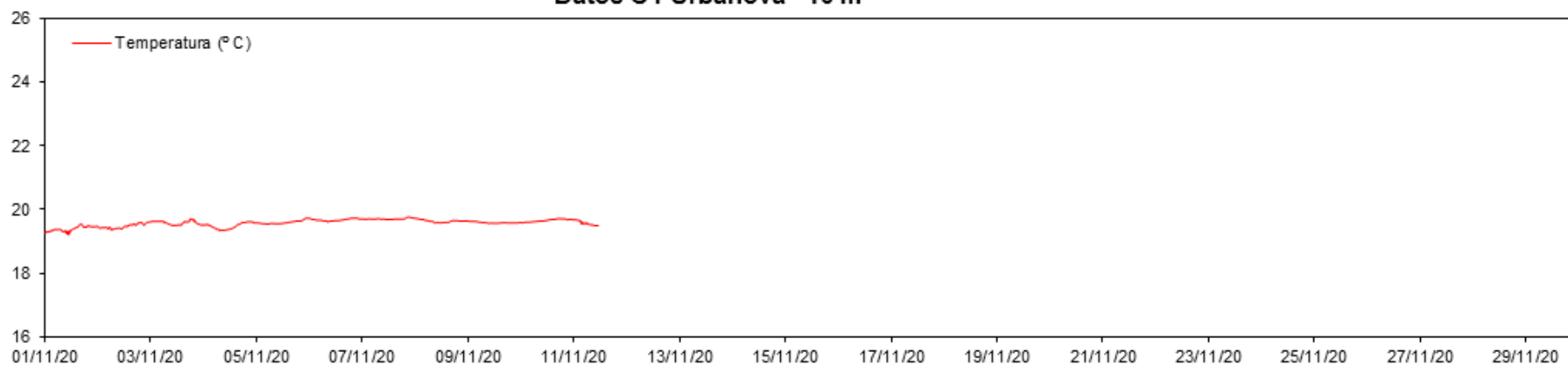
Datos CT Urbanova N - 16 m



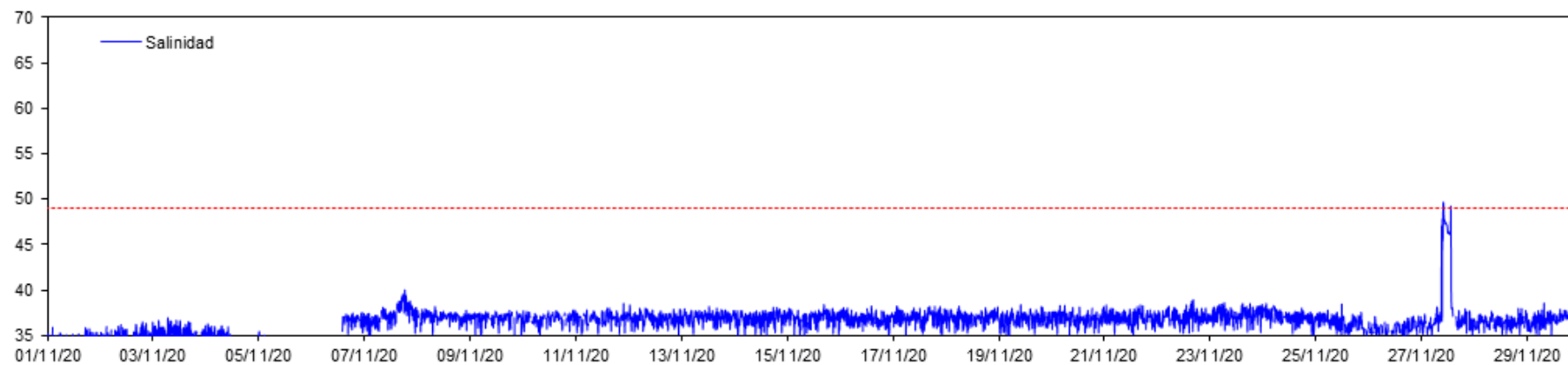
Datos CT Urbanova - 16 m



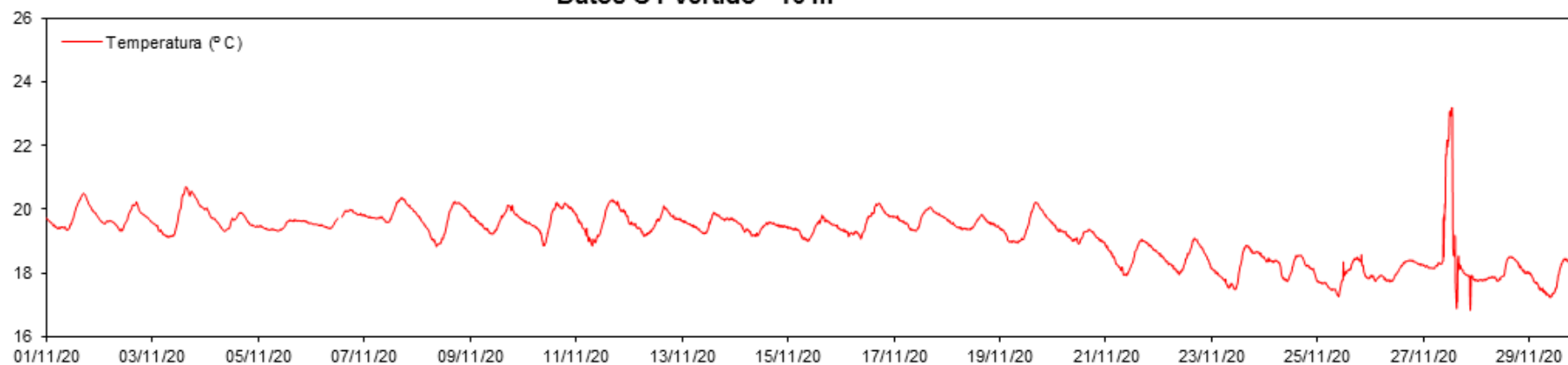
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

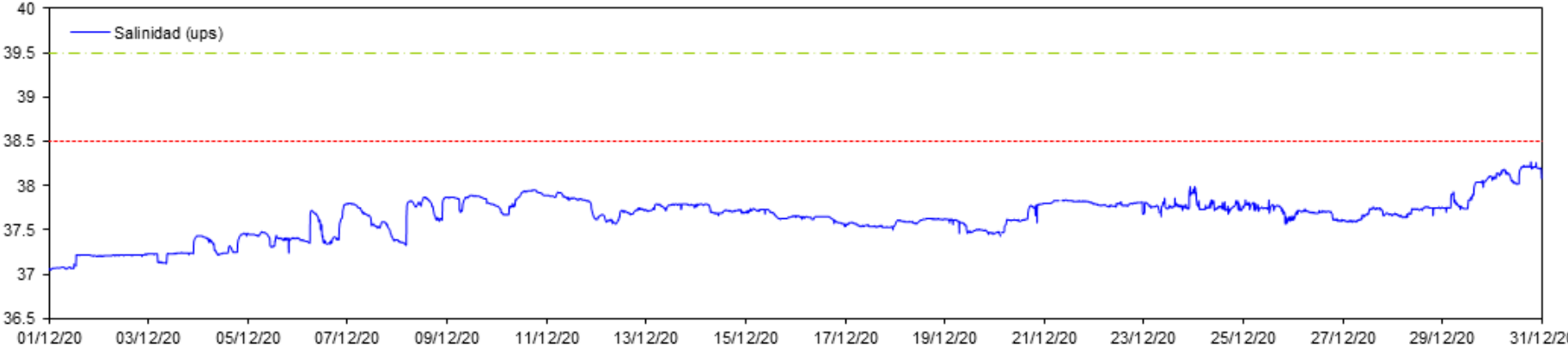


Datos CT Vertido - 16 m

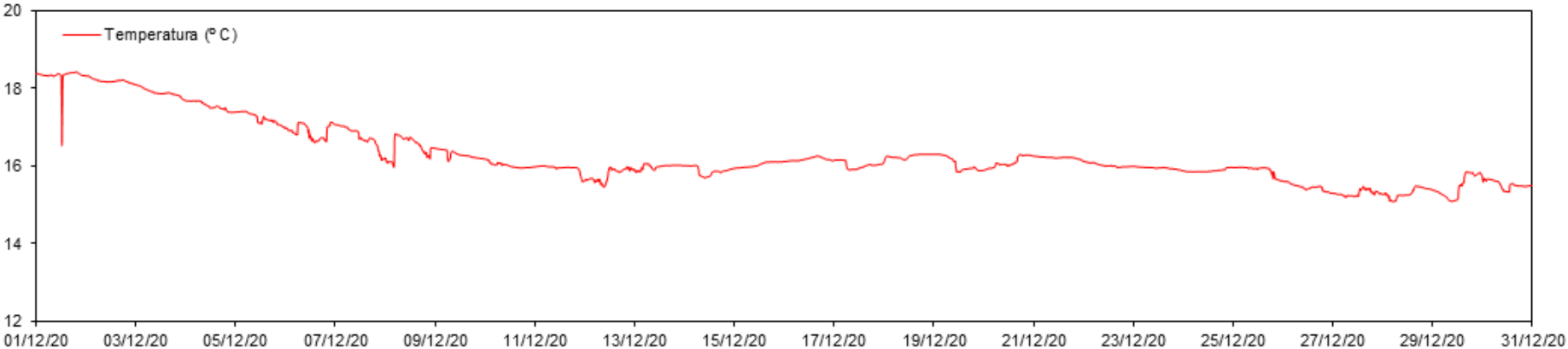


* Datos mensuales (Diciembre):

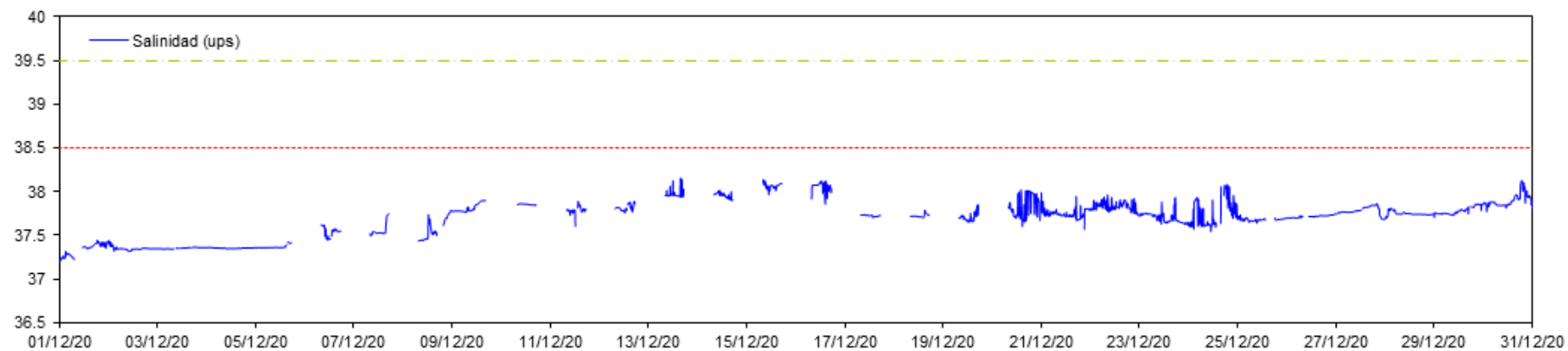
Datos CT Puerto - 16 m



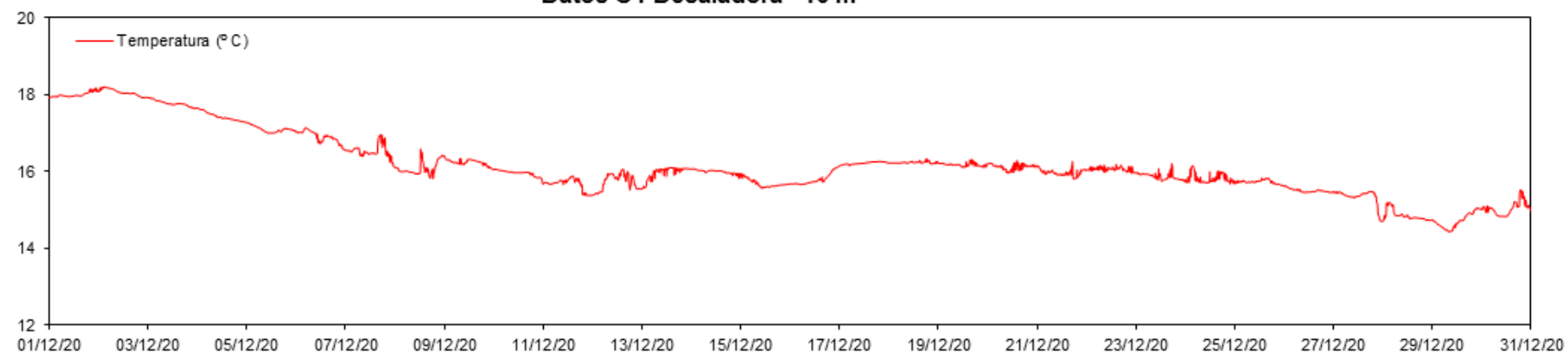
Datos CT Puerto - 16 m



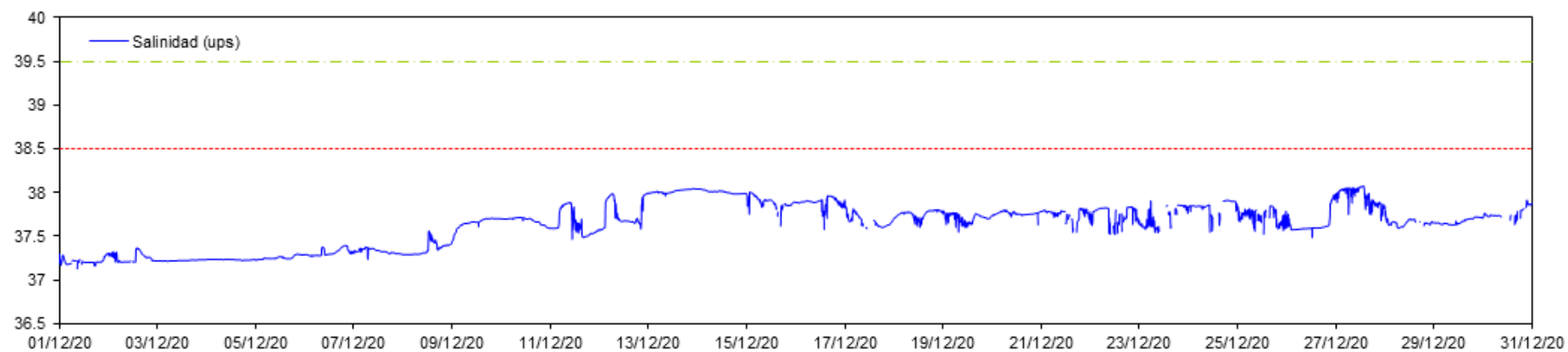
Datos CT Desaladora - 16 m



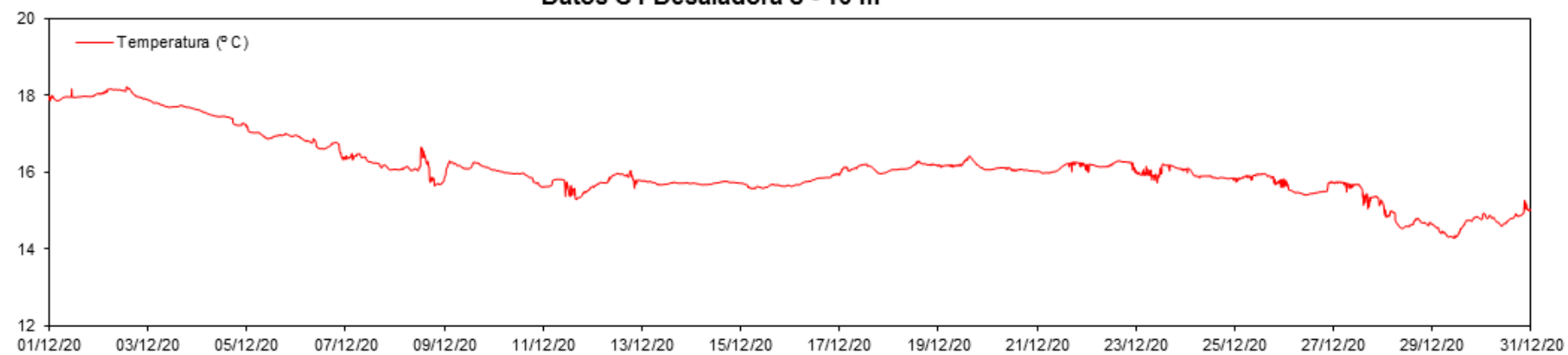
Datos CT Desaladora - 16 m



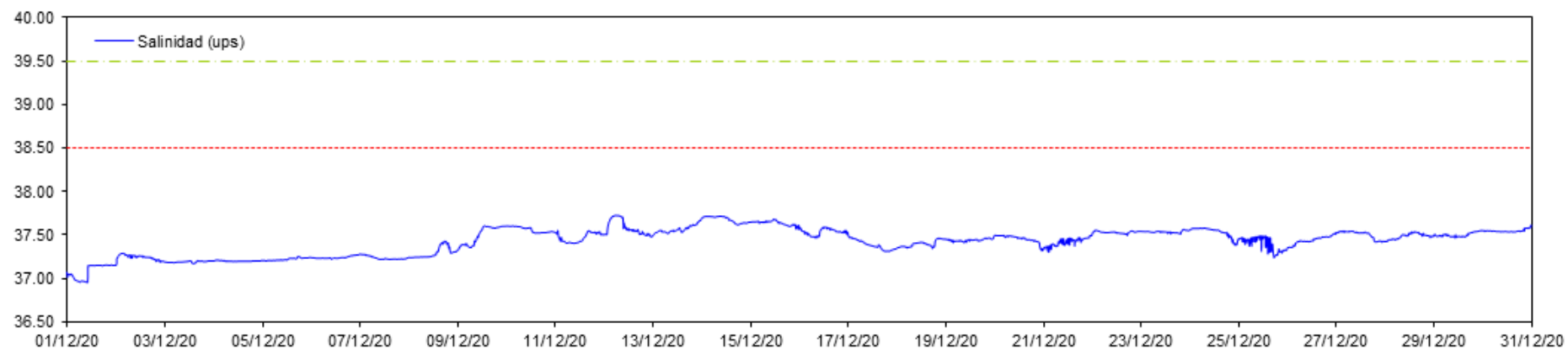
Datos CT Desaladora S - 16 m



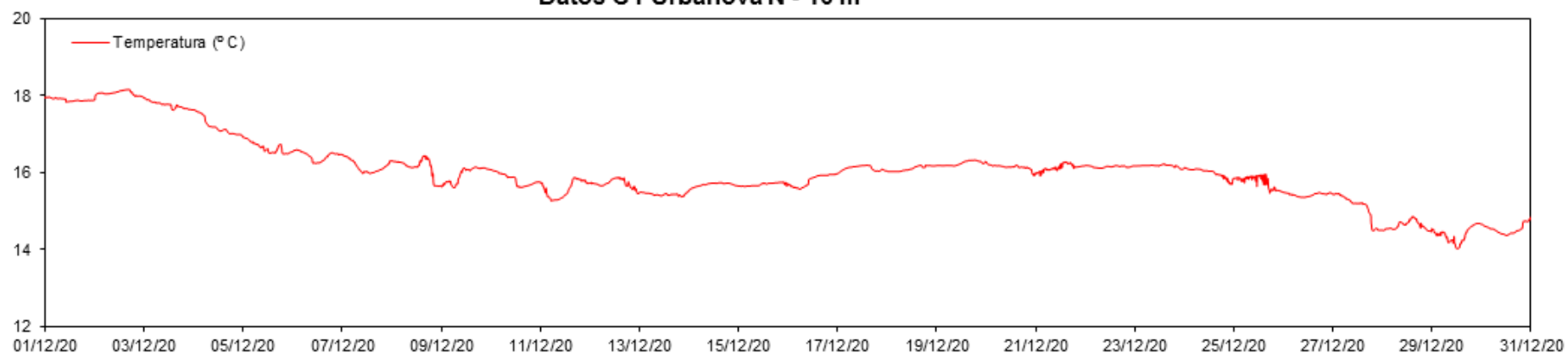
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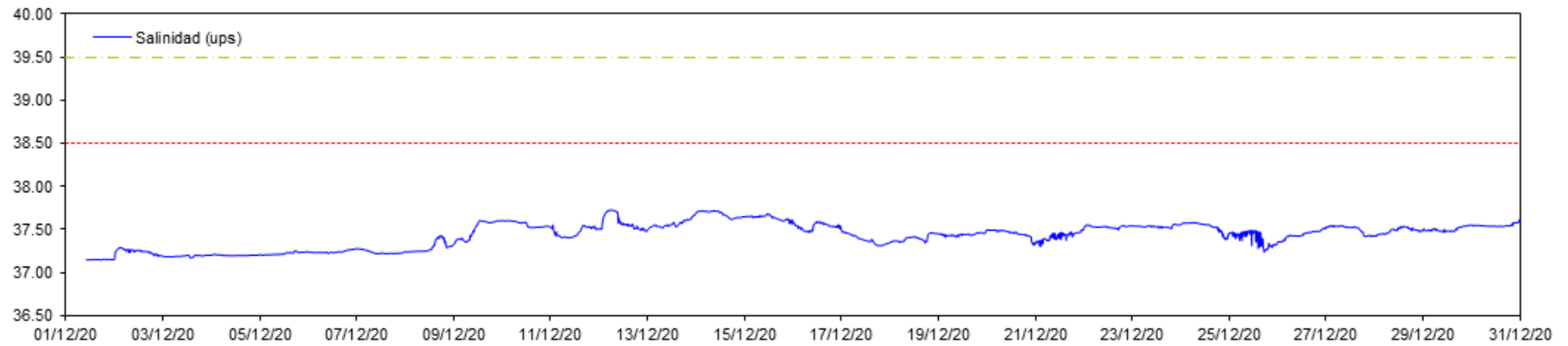
Datos CT Urbanova N - 16 m



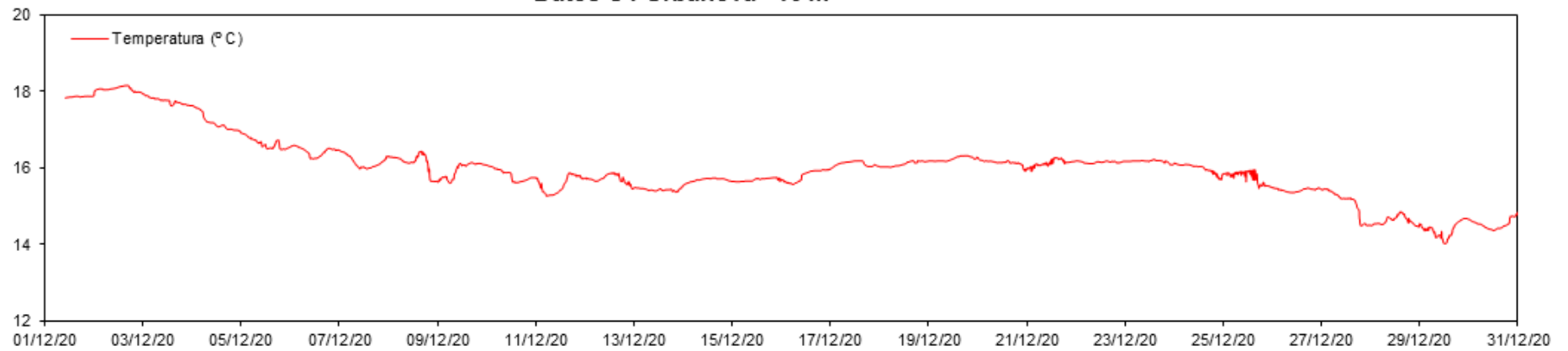
Datos CT Urbanova N - 16 m



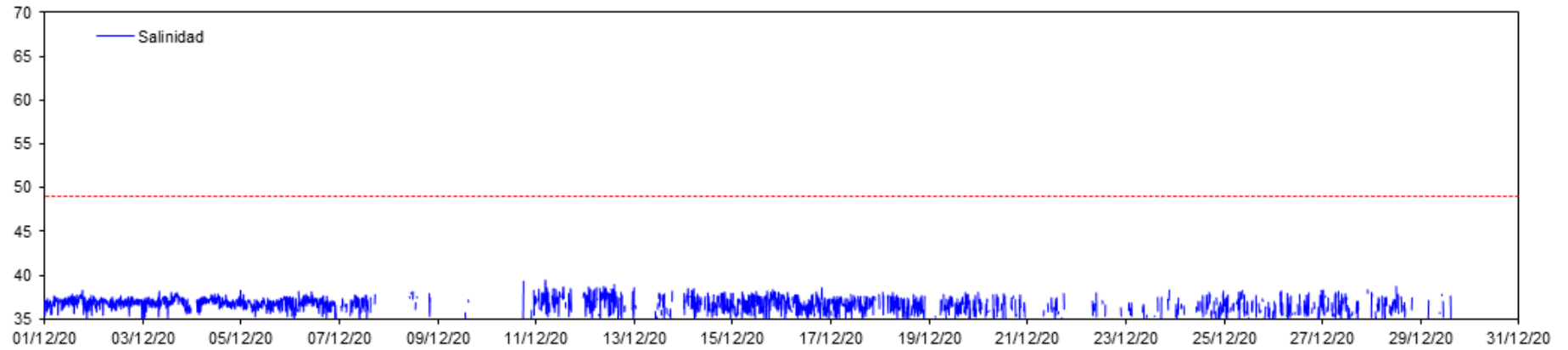
Datos CT Urbanova - 16 m



Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m



Datos CT Vertido - 16 m

