



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 2017**

**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 24 de julio de 2017

A handwritten signature in blue ink, consisting of several overlapping strokes.

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

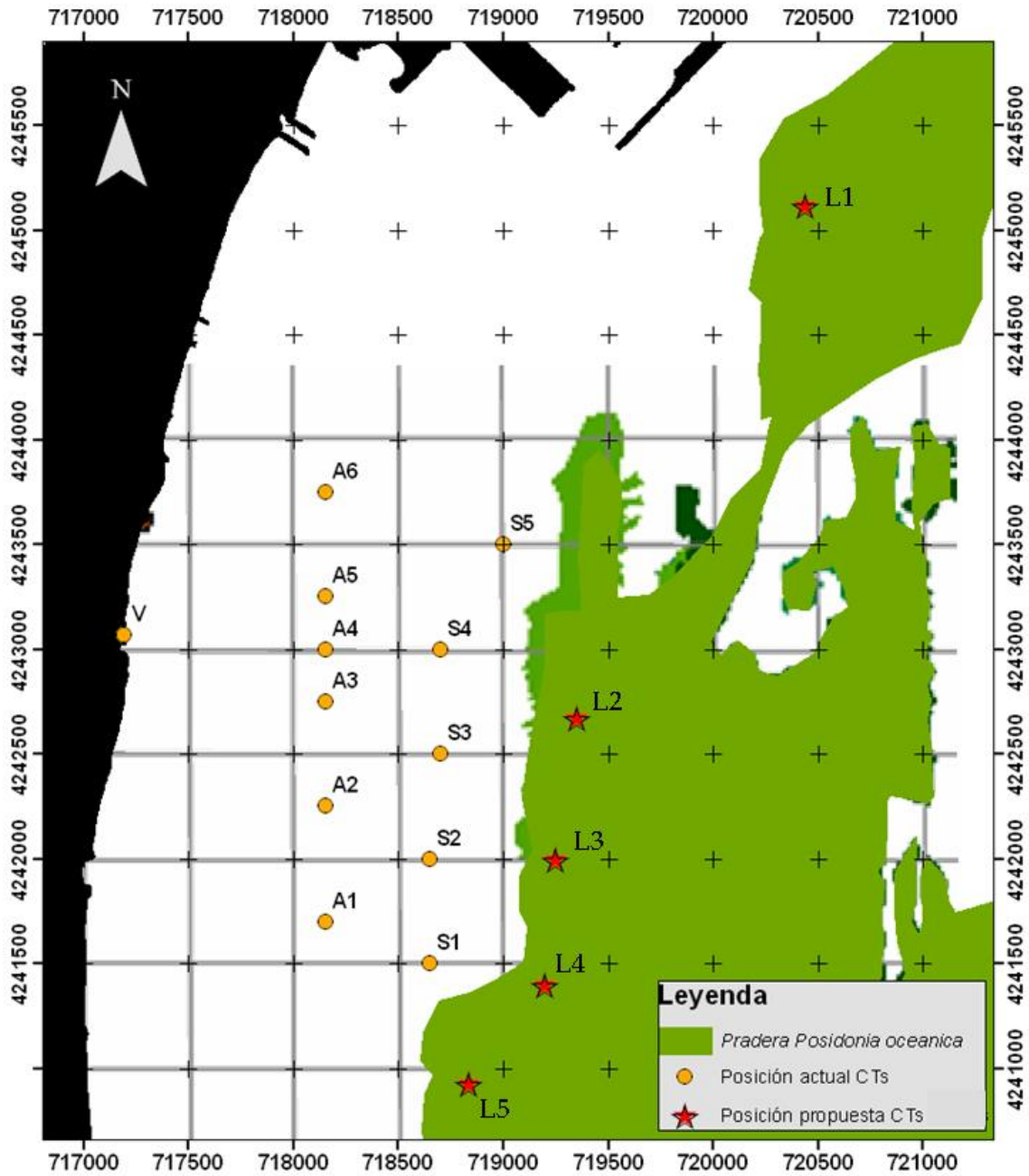


Figura 1: Posición de los sensores.

## Mediciones de salinidad y temperatura en el medio receptor

**\*Abril:**

- Salinidades (ups)

<b>Localidad</b>	<b>Media</b>	<b>Máximo</b>	<b>Mínimo</b>	<b>% &gt; 38.5</b>	<b>% &gt; 40</b>
1 (Control Puerto)	37.61	38.05	37.00	0.0	0.0
2 (Desaladora)	38.09	38.70	37.36	6.9	0.0
3 (Desaladora Sur)	37.90	38.39	37.43	0.0	0.0
4 (Urbanova Norte)	38.19	38.65	37.49	7.5	0.0
5 (Urbanova)	37.94	38.26	37.50	0.0	0.0
Vertido	39.74	66.54	37.01	% > 49	2.2

- Temperaturas (° C)

<b>Punto</b>	<b>Media</b>	<b>Máximo</b>	<b>Mínimo</b>
1 (Control Puerto)	16.38	18.03	14.90
2 (Desaladora)	16.66	18.28	14.97
3 (Desaladora Sur)	16.81	18.35	15.12
4 (Urbanova Norte)	16.73	18.34	15.20
5 (Urbanova)	16.82	18.23	15.34
Vertido	17.09	20.70	14.68

**\* Mayo:**

- Salinidades (ups)

<b>Localidad</b>	<b>Media</b>	<b>Máximo</b>	<b>Mínimo</b>	<b>% &gt; 38.5</b>	<b>% &gt; 40</b>
1 (Control Puerto)	37.71	38.16	37.24	0.0	0.0
2 (Desaladora)	37.84	38.26	37.35	0.0	0.0
3 (Desaladora Sur)	37.89	38.42	37.20	0.0	0.0
4 (Urbanova Norte)	38.05	38.42	37.59	0.0	0.0
5 (Urbanova)	37.72	38.02	37.29	0.0	0.0
Vertido	39.47	65.08	37.00	% > 49	0.9

- Temperaturas (° C)

<b>Punto</b>	<b>Media</b>	<b>Máximo</b>	<b>Mínimo</b>
1 (Control Puerto)	18.07	21.70	15.78
2 (Desaladora)	18.46	21.93	15.74
3 (Desaladora Sur)	18.75	22.39	15.80
4 (Urbanova Norte)	18.66	22.11	15.81
5 (Urbanova)	18.72	22.05	15.96
Vertido	20.08	24.37	15.97

**\* Junio:**

- Salinidades (ups)

<b>Localidad</b>	<b>Media</b>	<b>Máximo</b>	<b>Mínimo</b>	<b>% &gt; 38.5</b>	<b>% &gt; 40</b>
1 (Control Puerto)	37.49	37.93	37.01	0.0	0.0
2 (Desaladora)	37.83	38.50	37.02	0.0	0.0
3 (Desaladora Sur)	37.80	38.47	37.08	0.0	0.0
4 (Urbanova Norte)	37.96	38.49	37.55	0.0	0.0
5 (Urbanova)	37.67	38.08	37.25	0.0	0.0
Vertido	40.48	64.09	37.00	% > 49	3.9

- Temperaturas (° C)

<b>Punto</b>	<b>Media</b>	<b>Máximo</b>	<b>Mínimo</b>
1 (Control Puerto)	21.47	23.18	16.38
2 (Desaladora)	21.88	23.93	16.32
3 (Desaladora Sur)	22.30	24.34	16.60
4 (Urbanova Norte)	22.23	23.98	17.04
5 (Urbanova)	22.68	24.02	17.71
Vertido	25.32	28.85	21.10

## Régimen de funcionamiento de las desalinizadoras

	Producción Alicante I (m <sup>3</sup> /día)	Producción Alicante II (m <sup>3</sup> /día)	Rechazo Alicante I (m <sup>3</sup> /día)	Rechazo Alicante II (m <sup>3</sup> /día)	CAUDAL vertido (m <sup>3</sup> /h)	CAUDAL Dilución (m <sup>3</sup> /h)	RELACIÓN de dilución
01/04/2017	52.687	21.887,00	65.466	28.287,00	3.906,4	6.820,0	1,7
02/04/2017	52.216	18.923,00	66.466	26.071,00	3.855,7	6.820,0	1,8
03/04/2017	25.997	25.995,00	66.466	34.249,00	4.196,5	6.820,0	1,6
04/04/2017	26.669	29.205,00	34.722	38.390,00	3.046,3	6.820,0	2,2
05/04/2017	25.939	23.962,00	34.746	31.495,00	2.760,0	5.500,0	2,0
06/04/2017	27.771	18.771,00	35.274	25.629,00	2.537,6	5.500,0	2,2
07/04/2017	27.492	18.829,00	35.366	25.394,00	2.531,7	5.500,0	2,2
08/04/2017	52.115	20.445,00	64.809	27.041,00	3.827,1	7.500,0	2,0
09/04/2017	51.662	21.370,00	63.916	25.318,00	3.718,1	7.500,0	2,0
10/04/2017	27.335	19.996,00	29.198	26.483,00	2.320,0	6.833,3	2,9
11/04/2017	27.108	24.786,00	27.897	32.792,00	2.528,7	6.833,3	2,7
12/04/2017	25.594	36.736,00	44.587	47.610,00	3.841,5	6.833,3	1,8
13/04/2017	31.690	39.308,00	40.075	54.499,00	3.940,6	6.833,3	1,7
14/04/2017	32.257	39.543,00	41.151	57.423,00	4.107,3	6.833,3	1,7
15/04/2017	52.697	42.198,00	66.759	52.204,00	4.956,8	7.500,0	1,5
16/04/2017	51.041	40.622,00	65.331	51.437,00	4.865,3	7.500,0	1,5
17/04/2017	30.031	40.540,00	37.665	54.594,00	3.844,1	6.833,3	1,8
18/04/2017	31.418	39.889,00	40.650	52.433,00	3.878,5	6.833,3	1,8
19/04/2017	32.888	40.642,00	41.472	50.735,00	3.842,0	6.833,3	1,8
20/04/2017	31.473	29.688,00	39.971	29.688,00	3.204,0	7.500,0	2,3
21/04/2017	25.804	26.513,00	32.120	32.290,00	2.683,8	7.500,0	2,8
22/04/2017	43.791	19.479,00	56.293	26.080,00	3.432,2	8.500,0	2,5
23/04/2017	44.833	19.742,00	56.487	25.744,00	3.426,3	8.500,0	2,5
24/04/2017	25.206	20.706,00	32.730	28.066,00	2.533,2	7.500,0	3,0
25/04/2017	26.722	25.472,00	34.138	38.682,00	3.034,2	7.500,0	2,5
26/04/2017	25.747	32.384,00	33.405	40.078,00	3.061,8	7.500,0	2,4
27/04/2017	26.670	33.302,00	33.262	39.910,00	3.048,8	7.500,0	2,5
28/04/2017	26.284	23.700,00	34.144	32.354,00	2.770,8	7.375,0	2,7
29/04/2017	47.103	22.237,00	59.637	26.122,00	3.573,3	8.000,0	2,2
30/04/2017	41.069	18.309,00	52.511	25.670,00	3.257,5	7.500,0	2,3

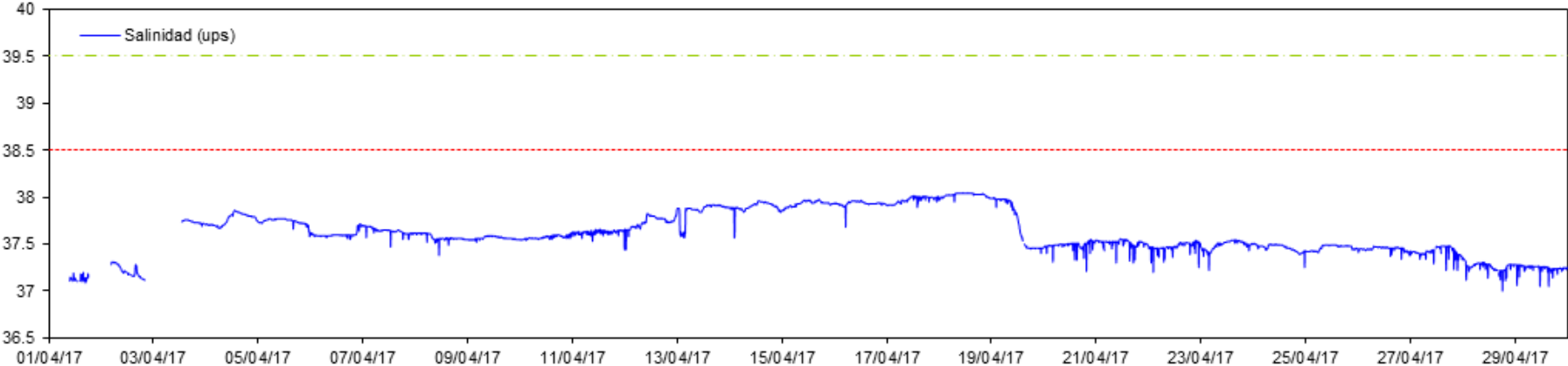
	<b>Producción Alicante I (m<sup>3</sup>/día)</b>	<b>Producción Alicante II (m<sup>3</sup>/día)</b>	<b>Rechazo Alicante I (m<sup>3</sup>/día)</b>	<b>Rechazo Alicante II (m<sup>3</sup>/día)</b>	<b>CAUDAL vertido (m<sup>3</sup>/h)</b>	<b>CAUDAL Dilución (m<sup>3</sup>/h)</b>	<b>RELACIÓN de dilución</b>
01/05/2017	25.885	22.351,00	32.767	28.400,00	2.548,6	7.500	2,9
02/05/2017	26.607	22.328,00	35.197	25.595,00	2.533,0	7.354	2,9
03/05/2017	26.184	30.977,00	33.706	39.525,00	3.051,3	8.177	2,7
04/05/2017	27.385	31.367,00	35.117	40.159,00	3.136,5	8.934	2,8
05/05/2017	23.653	30.288,00	30.319	35.061,00	2.724,2	7.805	2,9
06/05/2017	44.931	20.257,00	58.389	23.524,00	3.413,0	7.500	2,2
07/05/2017	43.511	18.489,00	55.697	27.359,00	3.460,7	7.500	2,2
08/05/2017	24.313	22.434,00	30.851	25.799,00	2.360,4	7.167	3,0
09/05/2017	24.047	21.181,00	32.189	25.920,00	2.421,2	7.167	3,0
10/05/2017	23.201	30.812,00	30.015	40.243,00	2.927,4	7.667	2,6
11/05/2017	28.937	42.457,00	36.214	52.686,00	3.704,2	7.833	2,1
12/05/2017	31.166	33.539,00	34.512	44.346,00	3.285,8	7.833	2,4
13/05/2017	47.217	31.124,00	58.024	37.525,00	3.981,2	8.125	2,0
14/05/2017	42.240	19.843,00	58.076	25.430,00	3.479,4	7.500	2,2
15/05/2017	26.389	20.840,00	37.526	26.527,00	2.668,9	7.167	2,7
16/05/2017	25.745	22.542,00	33.692	29.882,00	2.648,9	7.417	2,8
17/05/2017	26.107	30.835,00	34.160	39.348,00	3.062,8	7.500	2,4
18/05/2017	25.716	26.519,00	32.894	33.172,00	2.752,8	7.250	2,6
19/05/2017	27.270	21.419,00	35.810	23.631,00	2.476,7	7.167	2,9
20/05/2017	45.970	21.884,00	58.194	26.383,00	3.524,0	7.500	2,1
21/05/2017	40.351	21.582,00	52.265	25.697,00	3.248,4	7.500	2,3
22/05/2017	25.837	28.332,00	32.836	34.512,00	2.806,2	7.688	2,7
23/05/2017	27.019	41.388,00	33.541	51.128,00	3.527,9	7.938	2,2
24/05/2017	29.910	43.063,00	38.398	53.026,00	3.809,3	7.833	2,1
25/05/2017	28.133	34.180,00	30.560	43.026,00	3.066,1	7.583	2,5
26/05/2017	30.151	32.120,00	43.521	38.434,00	3.414,8	7.563	2,2
27/05/2017	52.379	32.513,00	66.225	39.279,00	4.396,0	8.500	1,9
28/05/2017	52.088	31.228,00	65.646	38.414,00	4.335,8	8.500	2,0
29/05/2017	26.289	30.372,00	33.339	37.551,00	2.953,8	7.188	2,4
30/05/2017	31.292	3.448,00	39.813	3.924,00	1.822,4		0,0
31/05/2017	26.727	22.511,00	33.593	31.333,00	2.705,3	7.750	2,9

	<b>Producción Alicante I (m<sup>3</sup>/día)</b>	<b>Producción Alicante II (m<sup>3</sup>/día)</b>	<b>Rechazo Alicante I (m<sup>3</sup>/día)</b>	<b>Rechazo Alicante II (m<sup>3</sup>/día)</b>	<b>CAUDAL vertido (m<sup>3</sup>/ h)</b>	<b>CAUDAL Dilución (m<sup>3</sup>/ h)</b>	<b>RELACIÓN de dilución</b>
01/06/2017	26.466	31.023,00	34.607	39.287,00	3.078,9	7.833,3	2,5
02/06/2016	27.434	35.133,00	35.550	45.157,00	3.362,8	7.750,0	2,3
03/06/2016	50.448	41.007,00	66.614	51.769,00	4.932,6	9.500,0	1,9
04/06/2016	50.133	28.218,00	64.544	35.017,00	4.148,4	7.916,7	1,9
05/06/2016	25.248	20.057,00	32.204	26.703,00	2.454,5	7.742,5	3,2
06/06/2016	26.432	21.770,00	34.704	29.453,00	2.673,2	7.601,7	2,8
07/06/2016	26.781	31.633,00	35.176	39.453,00	3.109,5	7.500,0	2,4
08/06/2016	25.320	37.050,00	33.067	47.388,00	3.352,3	7.500,0	2,2
09/06/2016	26.849	39.181,00	36.165	50.304,00	3.602,9	7.750,0	2,2
10/06/2016	52.128	42.141,00	67.000	52.366,00	4.973,6	9.500,0	1,9
11/06/2016	53.068	40.609,00	67.816	52.059,00	4.994,8	9.500,0	1,9
12/06/2016	25.437	41.562,00	33.299	54.927,00	3.676,1	8.145,8	2,2
13/06/2016	25.173	42.854,00	34.016	51.572,00	3.566,2	8.041,7	2,3
14/06/2016	26.743	39.840,00	34.761	50.342,00	3.546,0	7.833,3	2,2
15/06/2016	22.862	42.941,00	31.050	53.142,00	3.508,0	7.833,3	2,2
16/06/2016	25.704	41.594,00	34.750	53.738,00	3.687,0	8.041,7	2,2
17/06/2016	53.653	43.230,00	68.533	52.278,00	5.033,8	9.500,0	1,9
18/06/2016	51.359	41.565,00	65.098	51.627,00	4.863,5	9.500,0	2,0
19/06/2016	22.926	47.401,00	31.289	59.038,00	3.481,5	7.833,3	2,2
20/06/2016	24.833	47.401,00	28.298	59.038,00	3.639,0	7.775,0	2,1
21/06/2016	24.350	50.176,00	27.818	66.339,00	3.923,2	7.906,7	2,0
22/06/2016	23.256	51.693,00	31.717	63.443,00	3.965,0	7.906,7	2,0
23/06/2016	25.397	48.983,00	35.263	61.445,00	4.029,5	7.906,7	2,0
24/06/2016	53.103	51.697,00	68.385	62.961,00	5.472,8	9.720,0	1,8
25/06/2016	52.220	50.195,00	66.992	62.130,00	5.380,1	9.720,0	1,8
26/06/2016	34.732	55.685,00	46.024	65.288,00	4.638,0	8.906,7	1,9
27/06/2016	37.320	43.075,00	49.396	54.564,00	4.331,7	8.851,7	2,0
28/06/2016	33.675	41.860,00	43.909	52.527,00	4.018,2	7.906,7	2,0
29/06/2016	37.507	46.090,00	49.082	57.307,00	4.432,9	8.888,3	2,0
30/06/2016	38.048	54.642,00	49.792	68.639,00	4.934,6	9.240,0	1,9

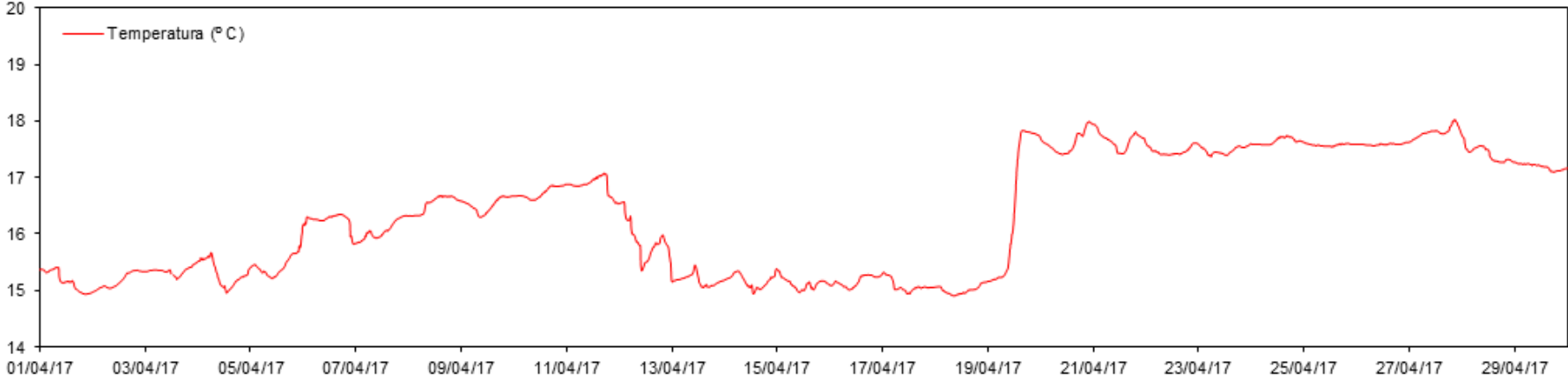


\* Datos mensuales (Abril):

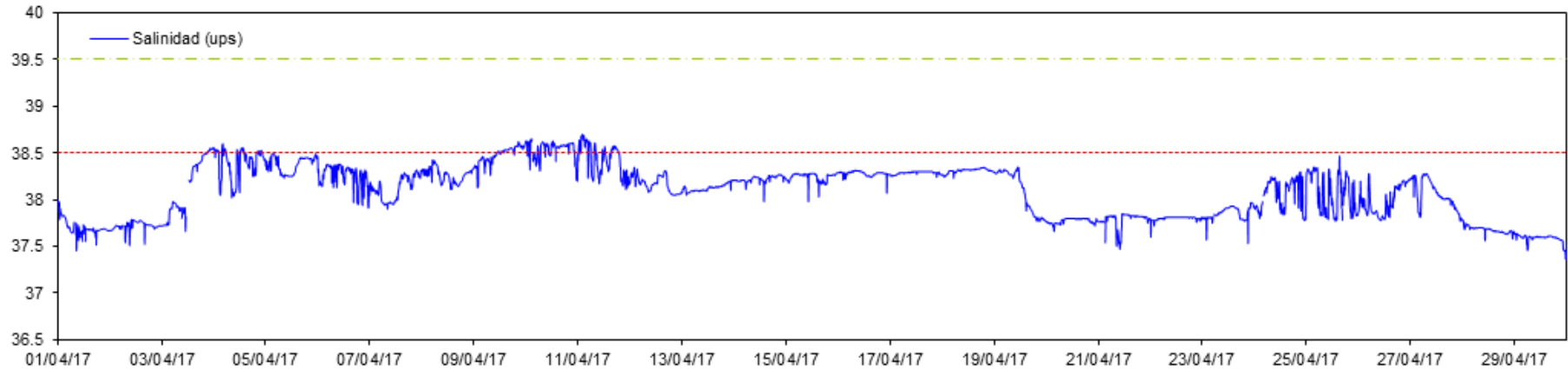
Datos CT Puerto - 16 m



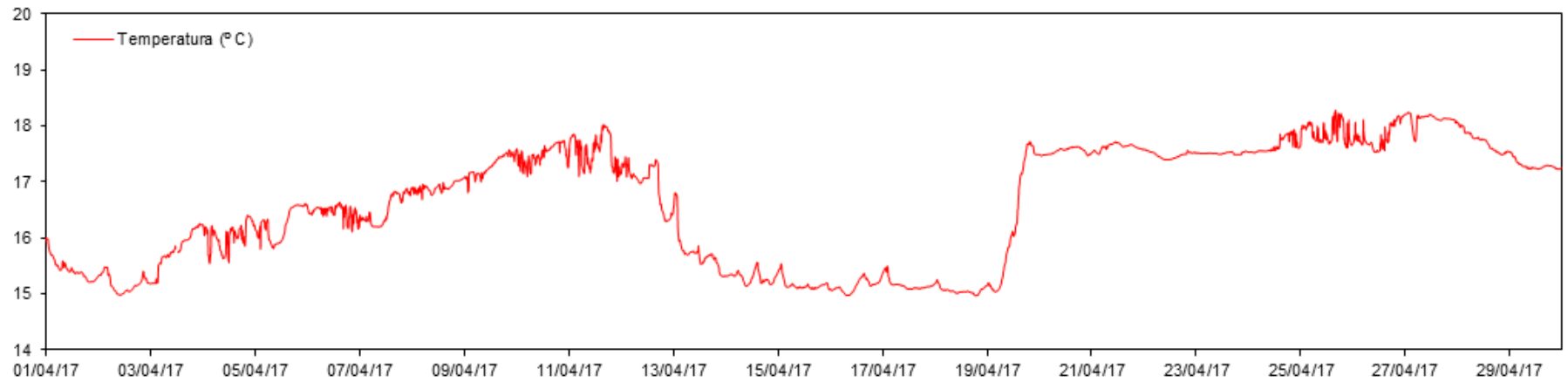
Datos CT Puerto - 16 m



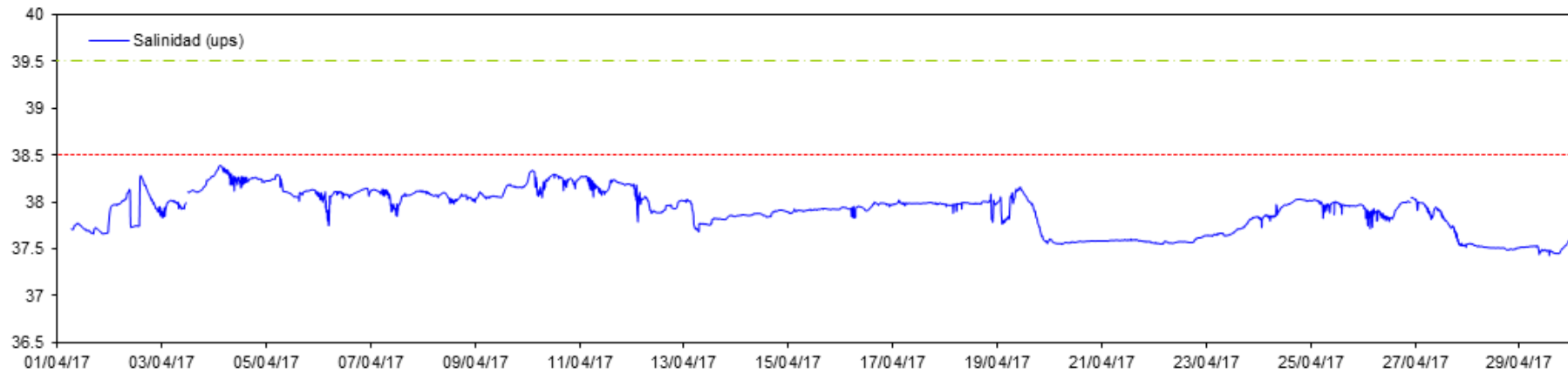
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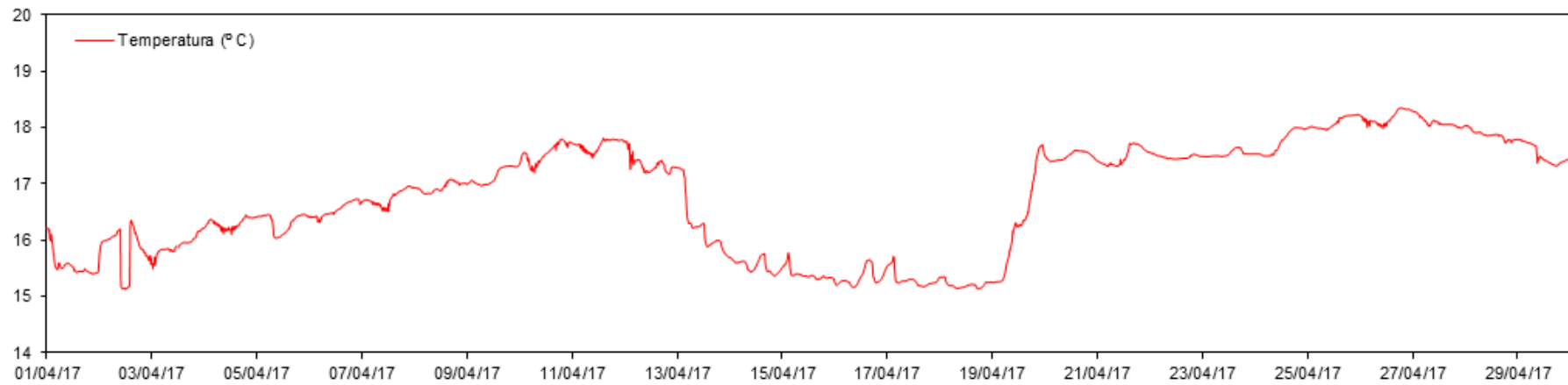
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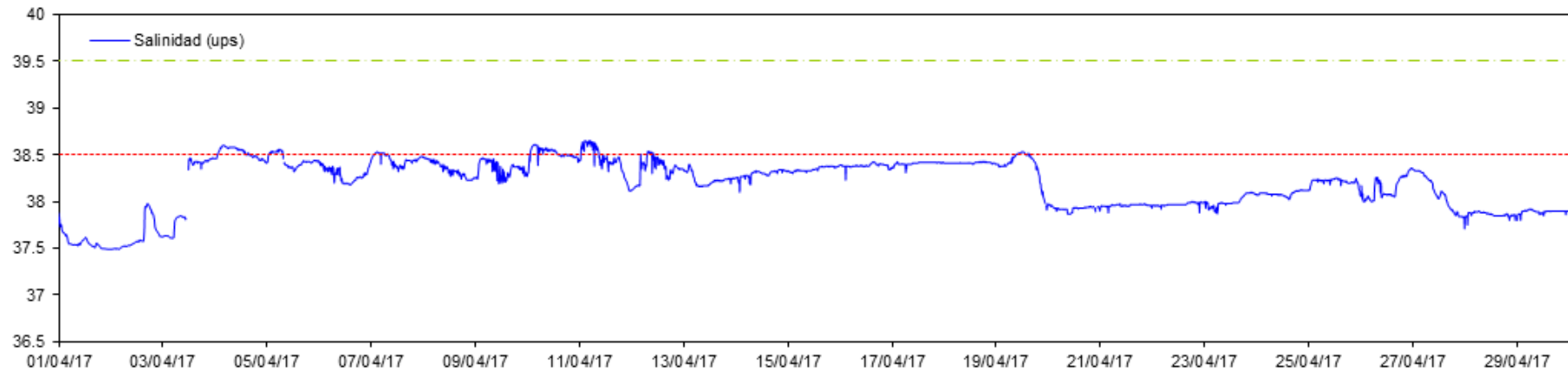
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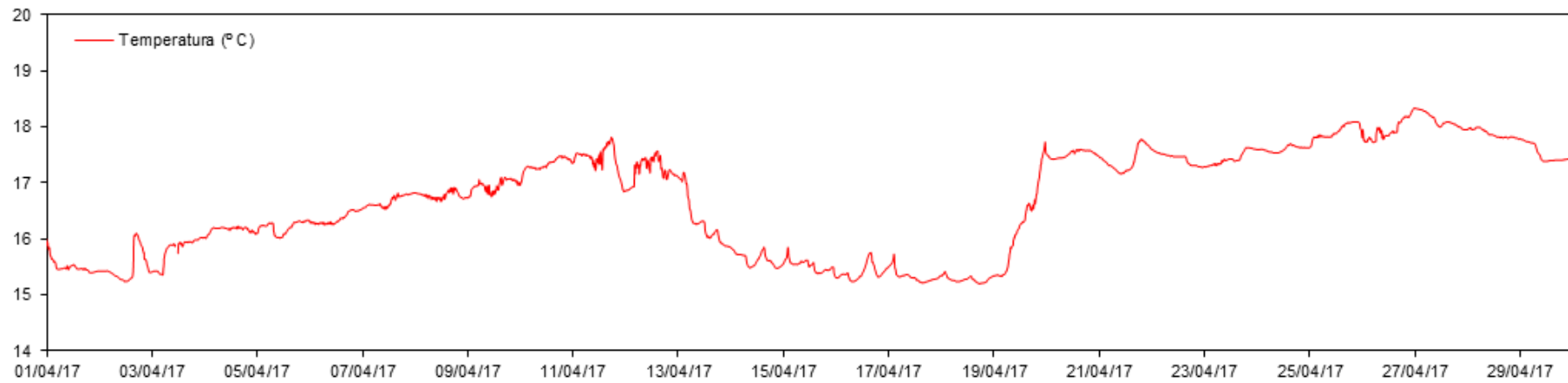
Datos CT Desaladora S - 16 m



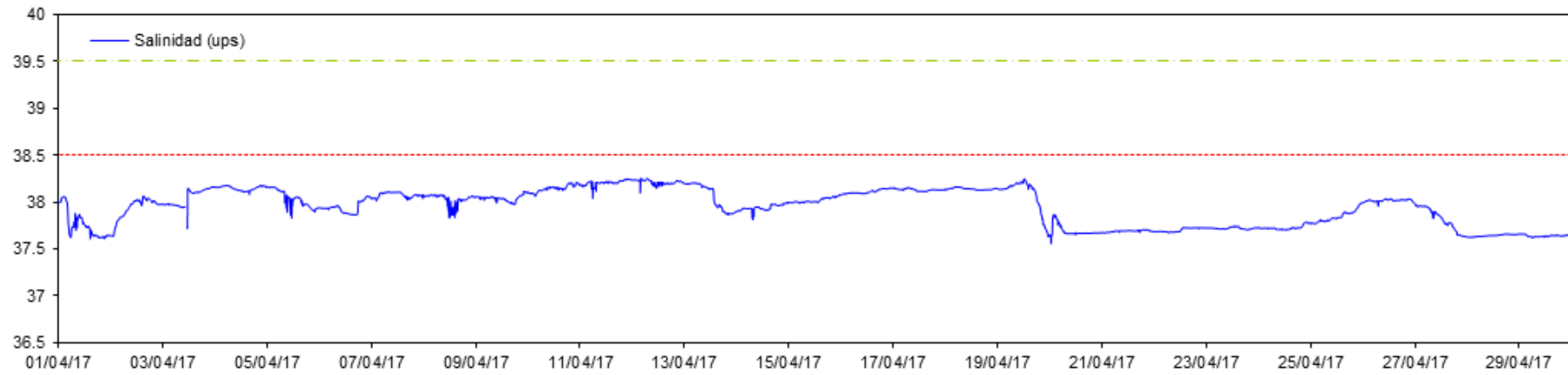
Datos CT Urbanova N - 16 m



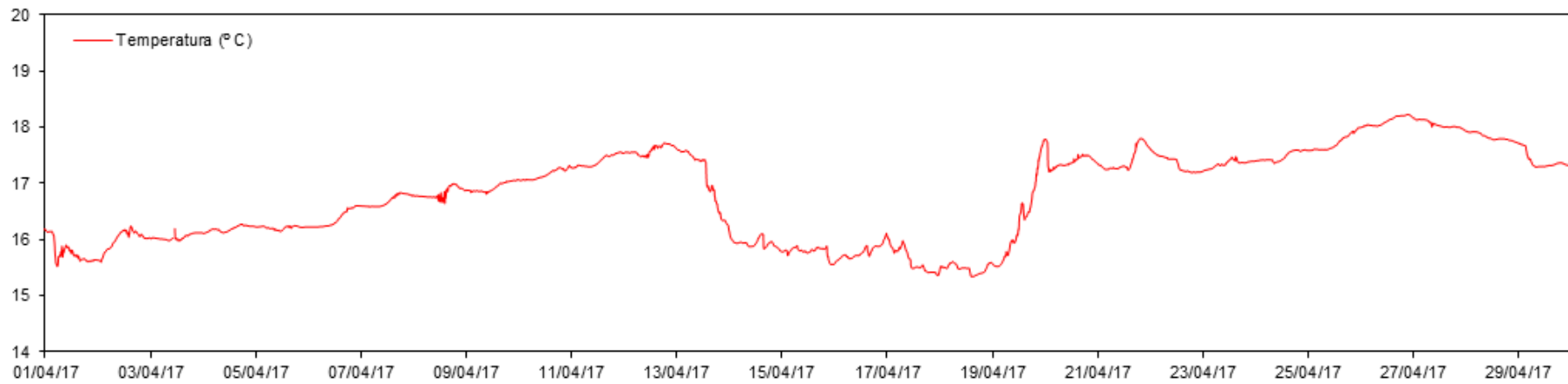
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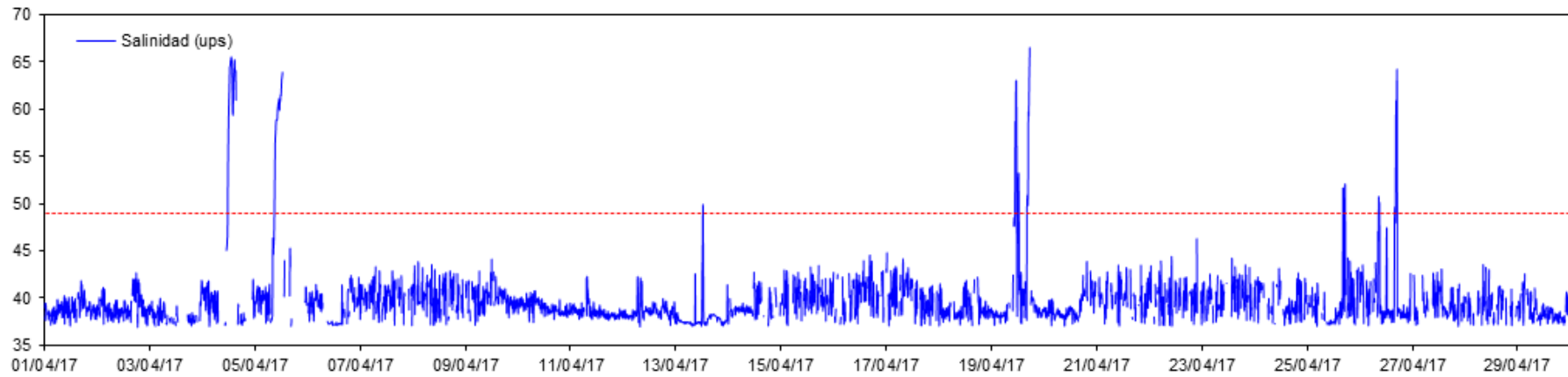
Datos CT Urbanova - 16 m



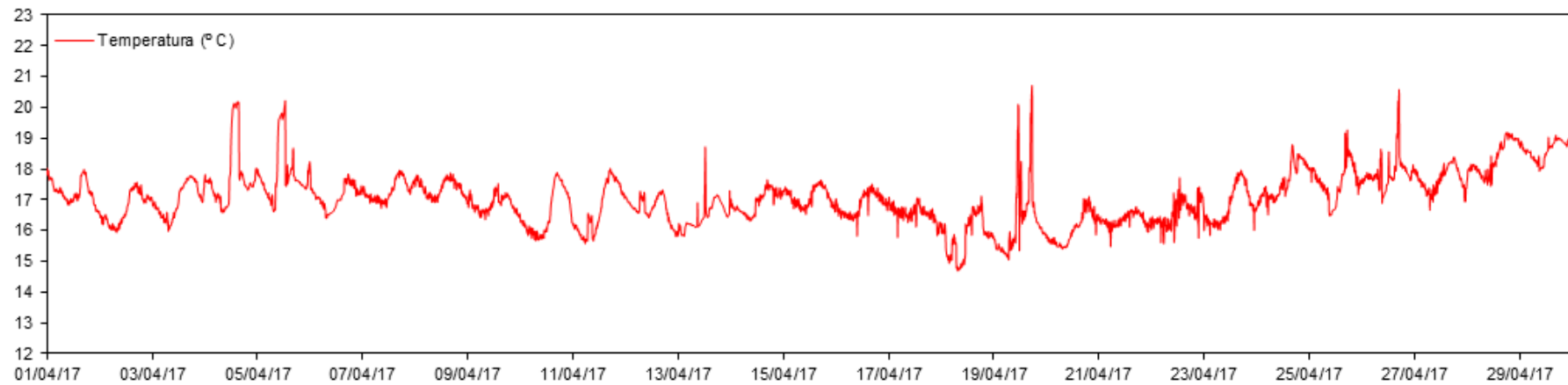
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

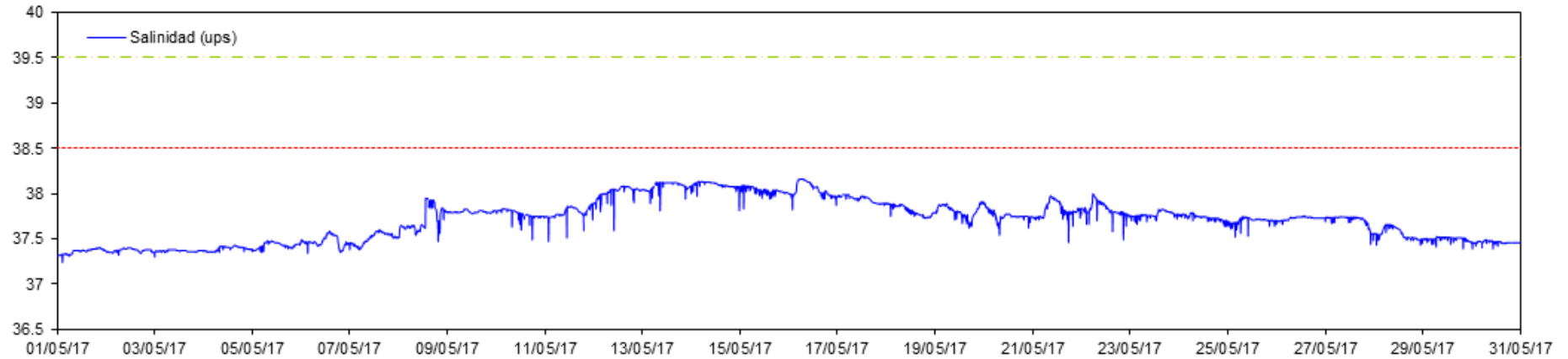


Datos CT Vertido - 16 m

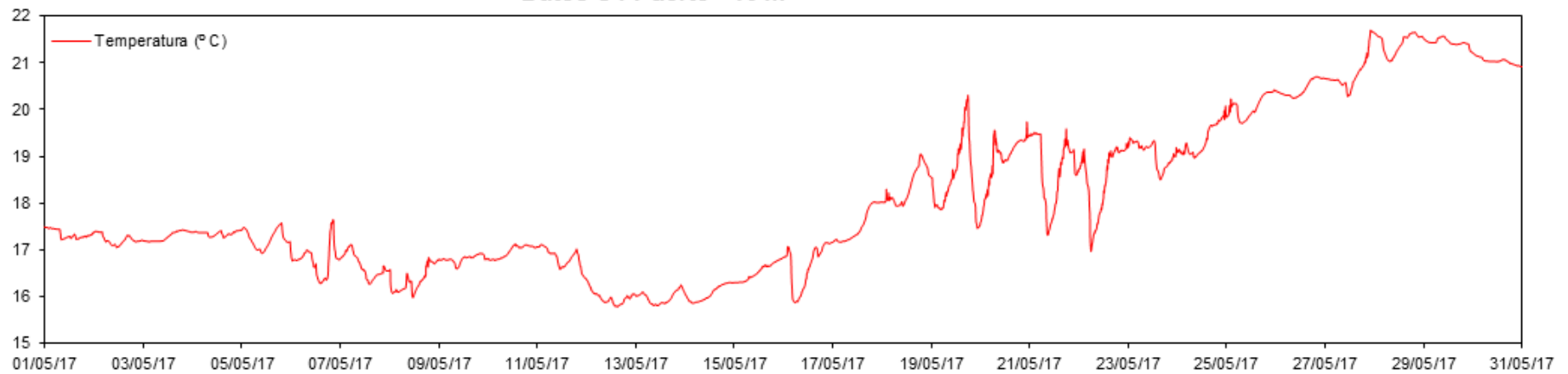


\* Datos mensuales (Mayo):

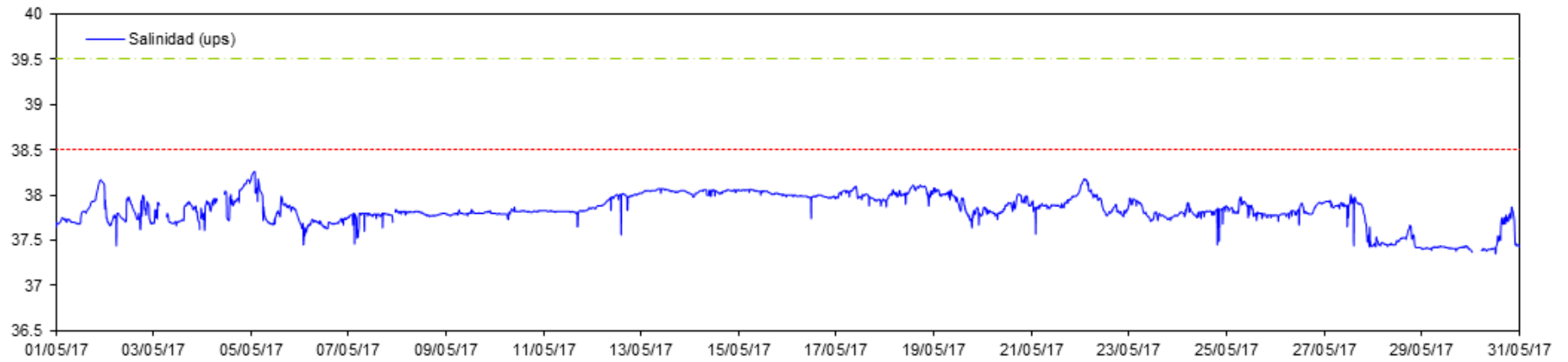
Datos CT Puerto - 16 m



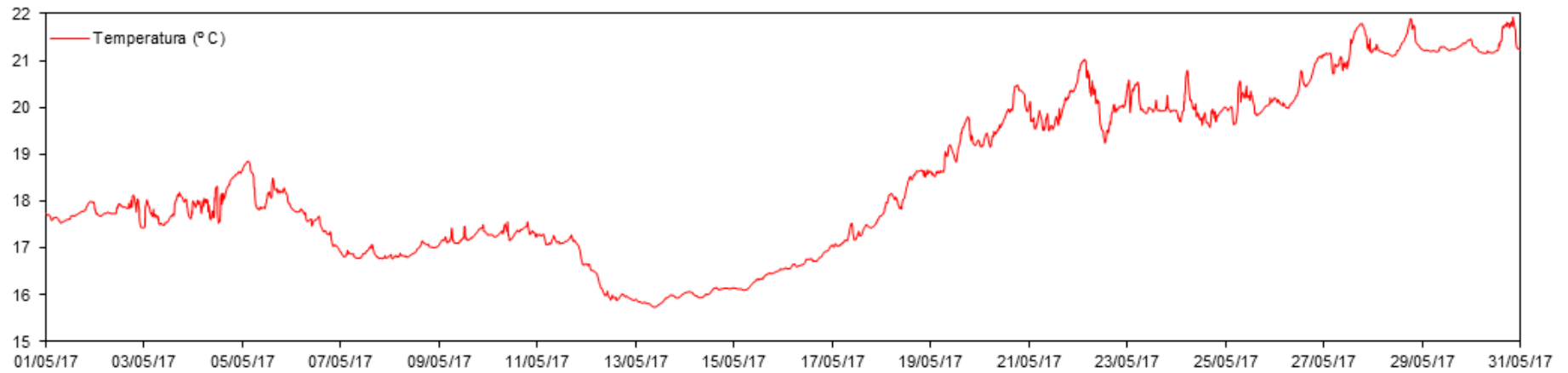
Datos CT Puerto - 16 m



Datos CT Desaladora - 16 m

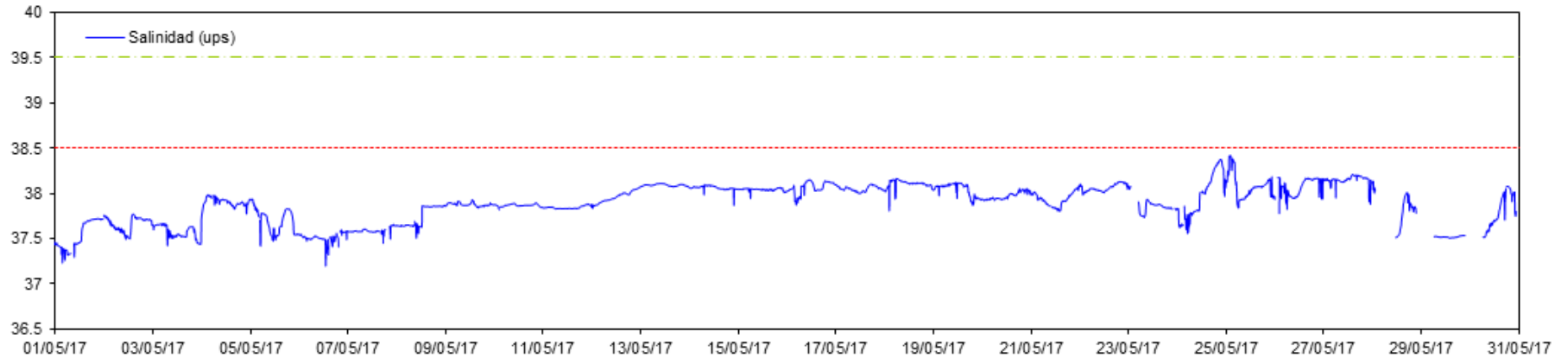


Datos CT Desaladora - 16 m

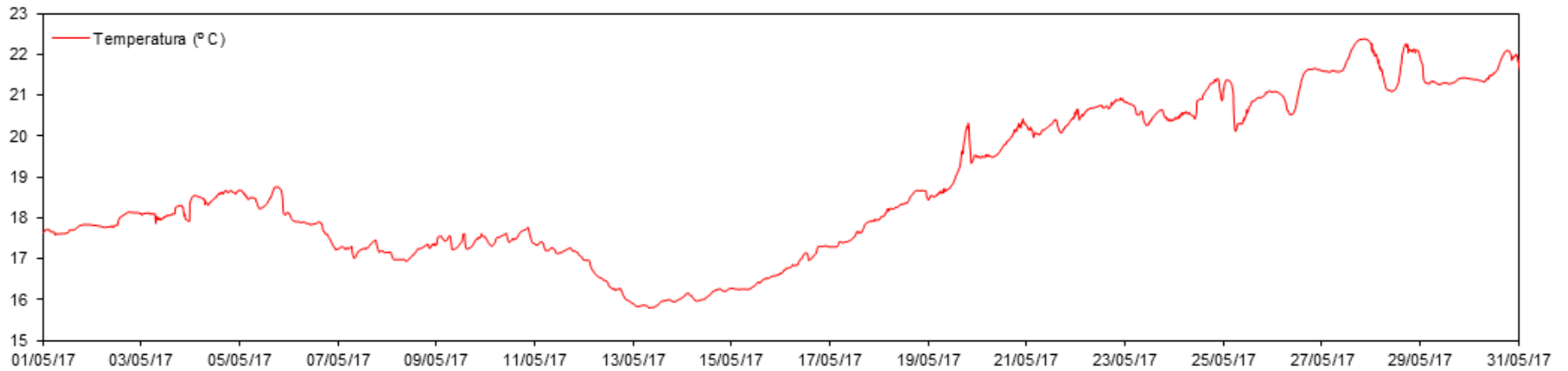




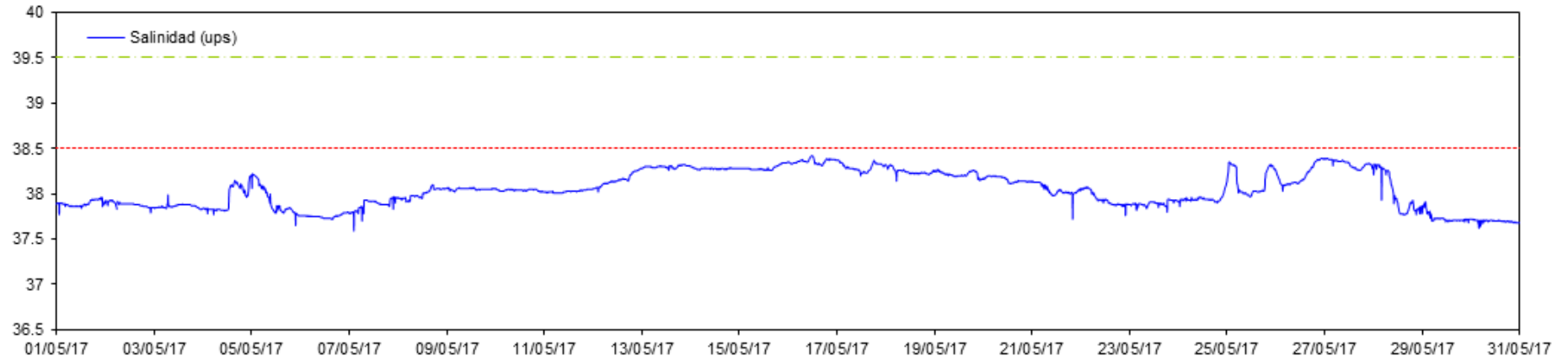
Datos CT Desaladora S - 16 m



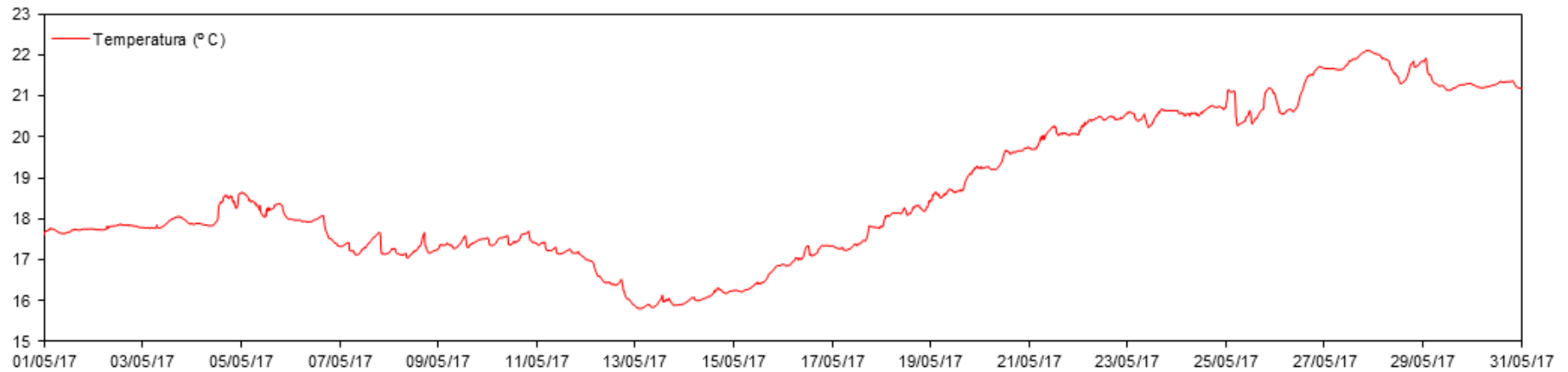
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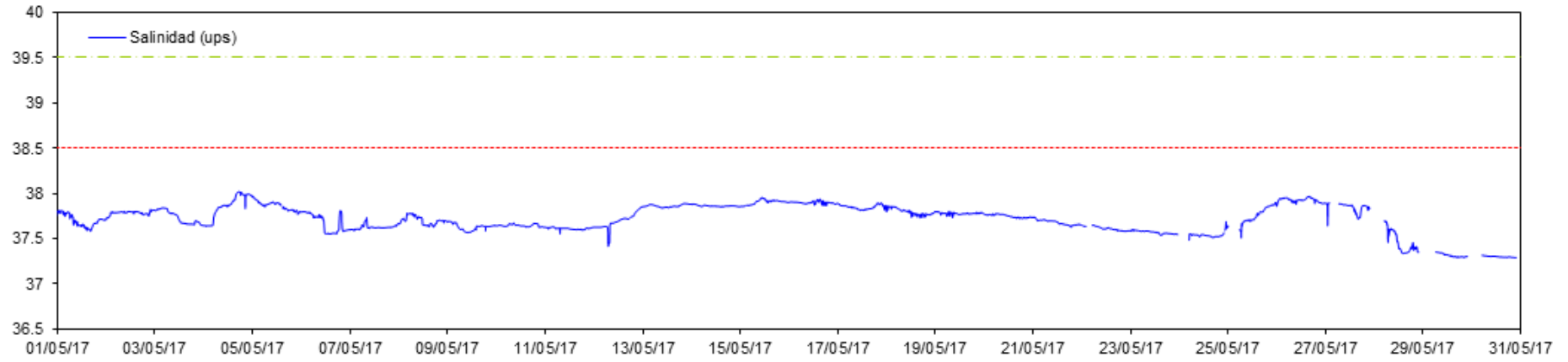
Datos CT Urbanova N - 16 m



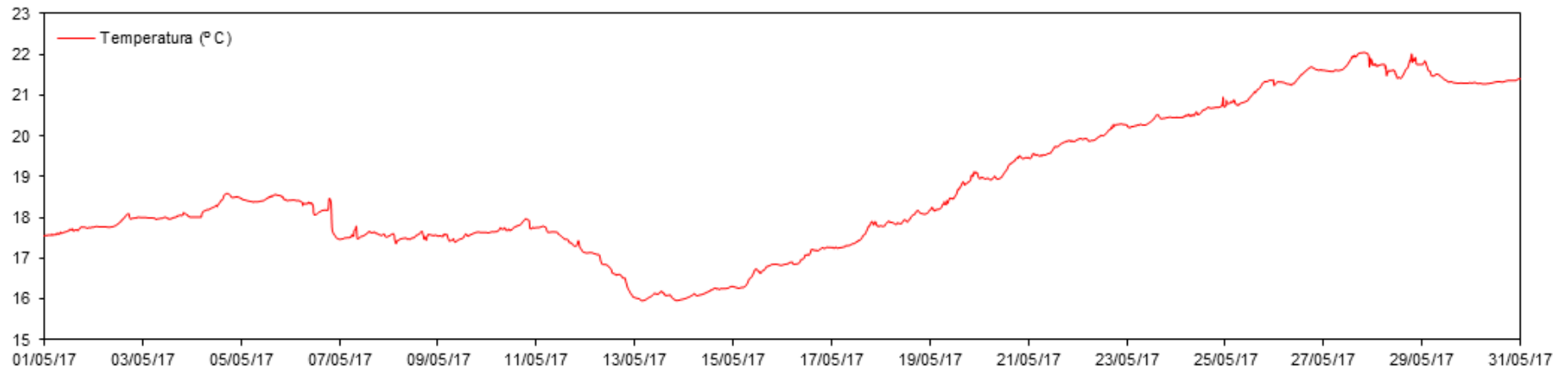
Datos CT Urbanova N - 16 m



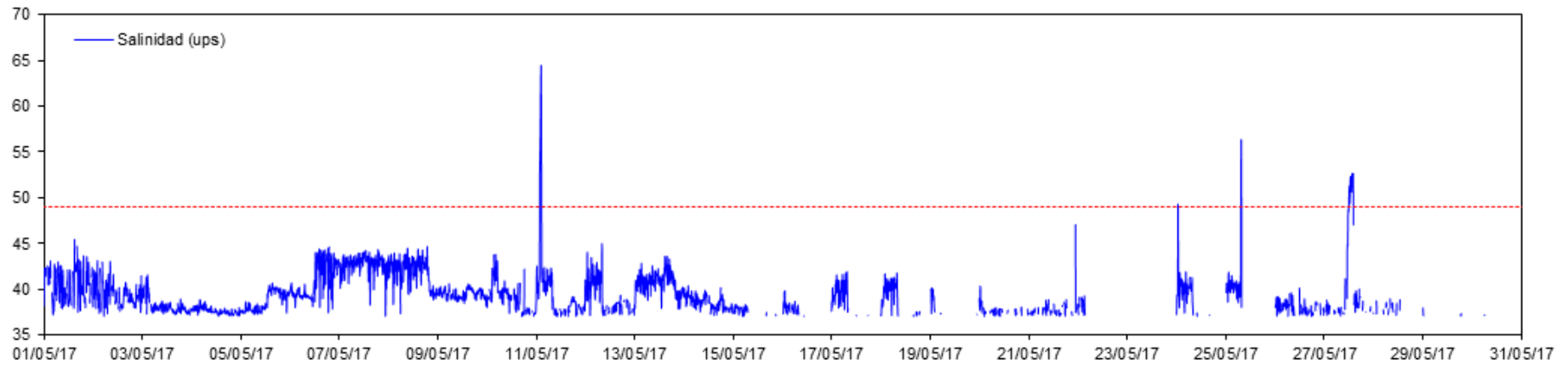
Datos CT Urbanova - 16 m



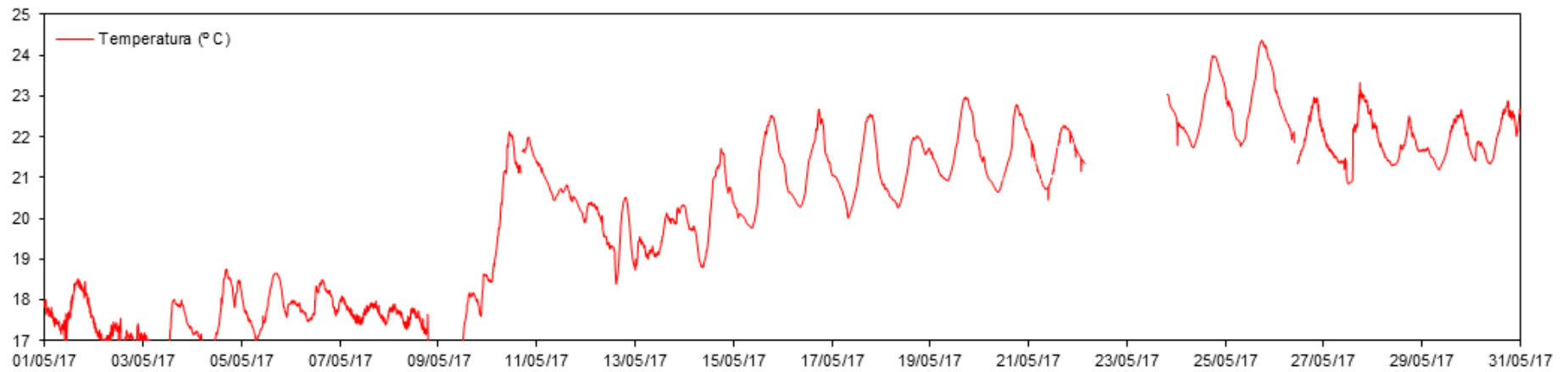
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

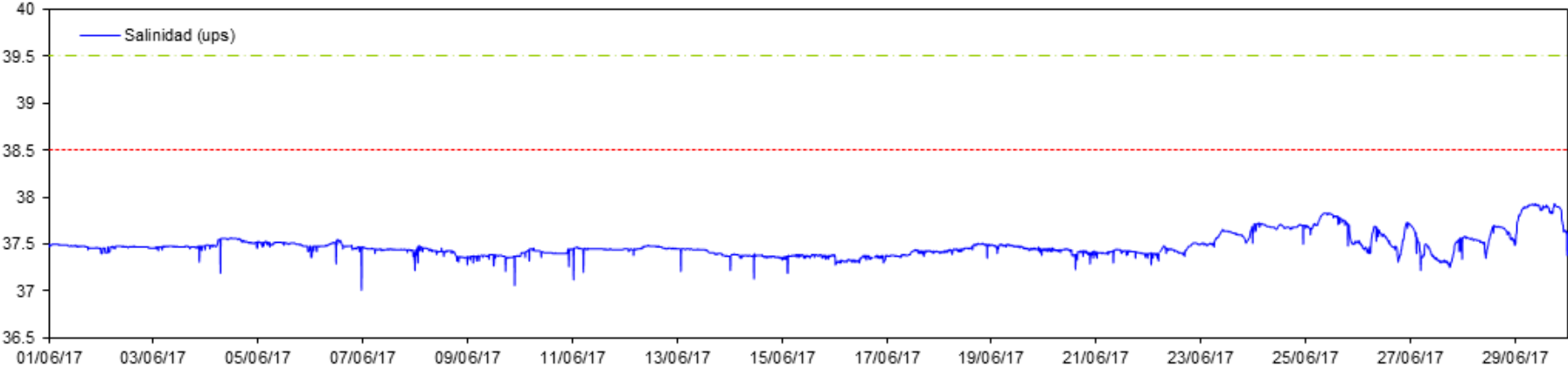


Datos CT Vertido - 16 m

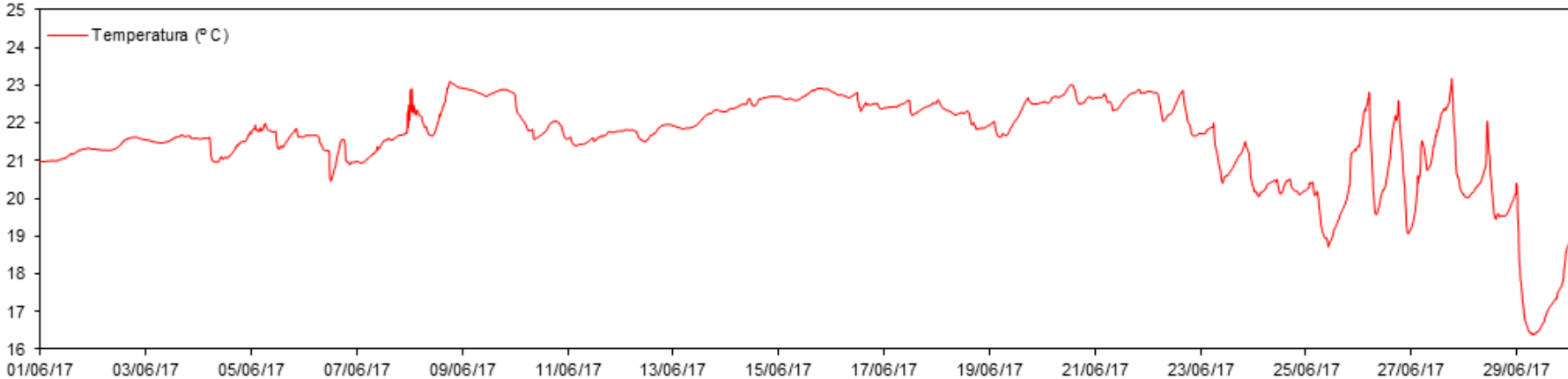


\* Datos mensuales (Junio):

Datos CT Puerto - 16 m



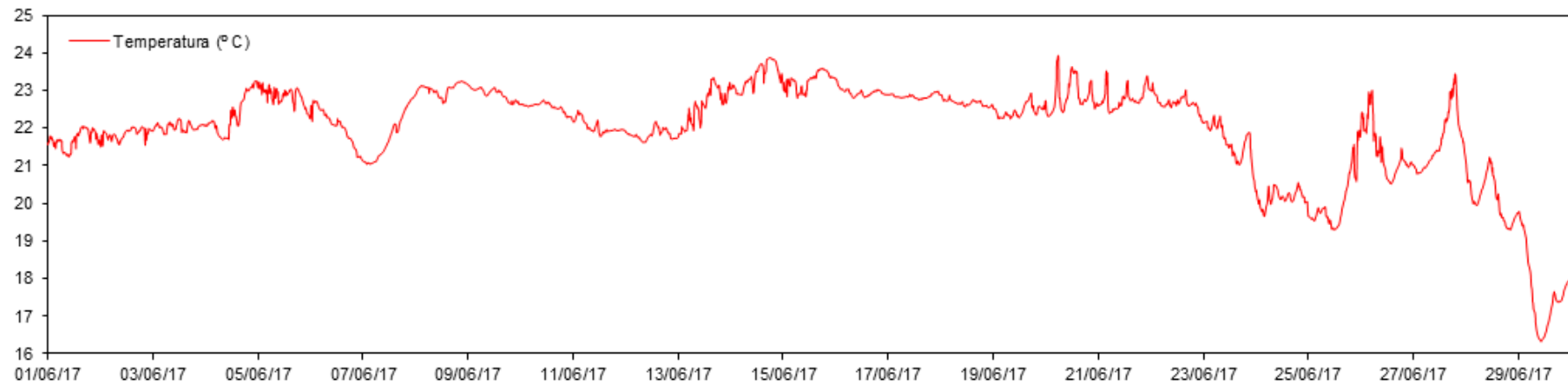
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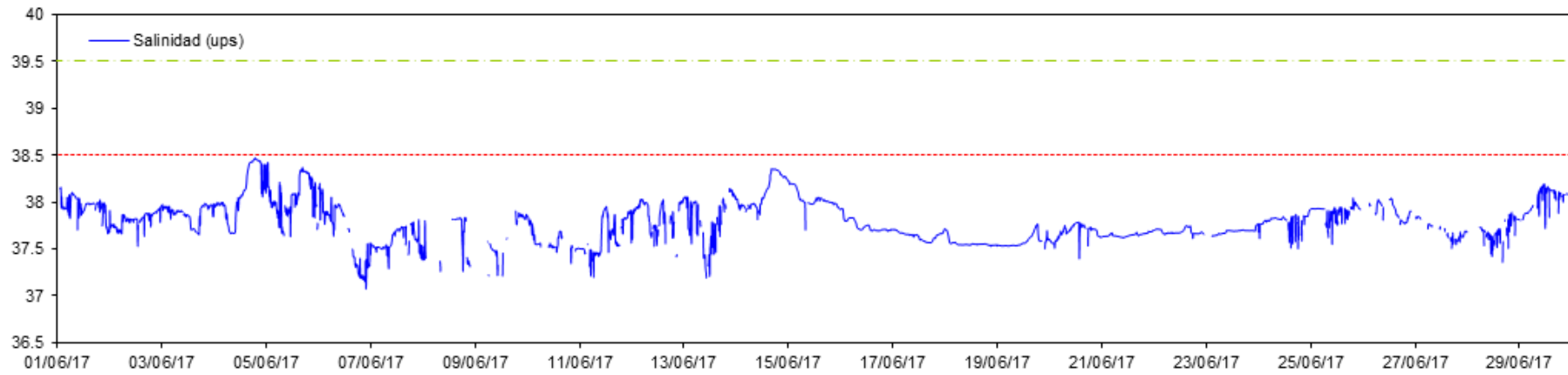
Datos CT Desaladora - 16 m



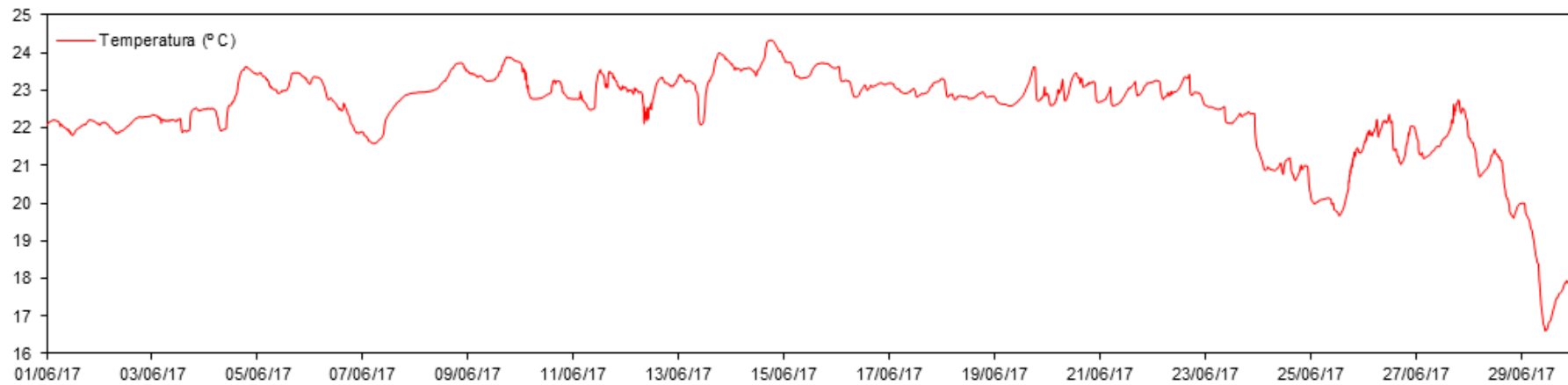
Datos CT Desaladora - 16 m



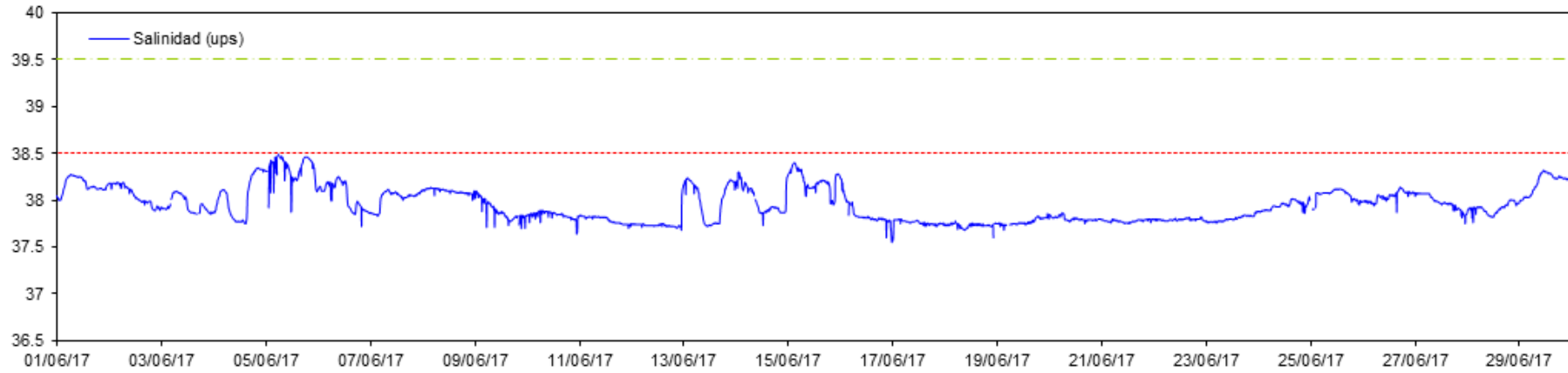
Datos CT Desaladora S - 16 m



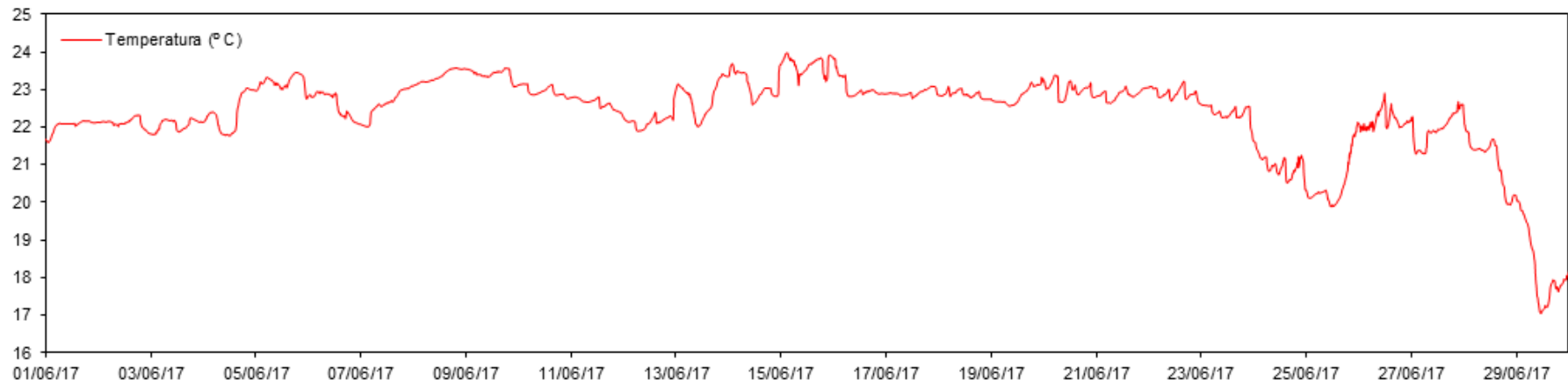
Datos CT Desaladora S - 16 m



Datos CT Urbanova N - 16 m

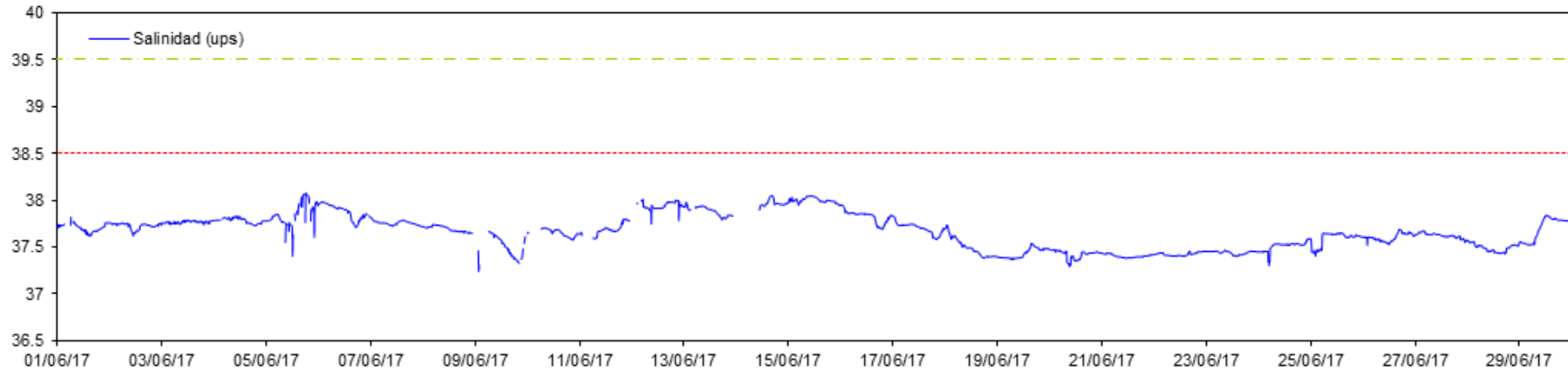


Datos CT Urbanova N - 16 m

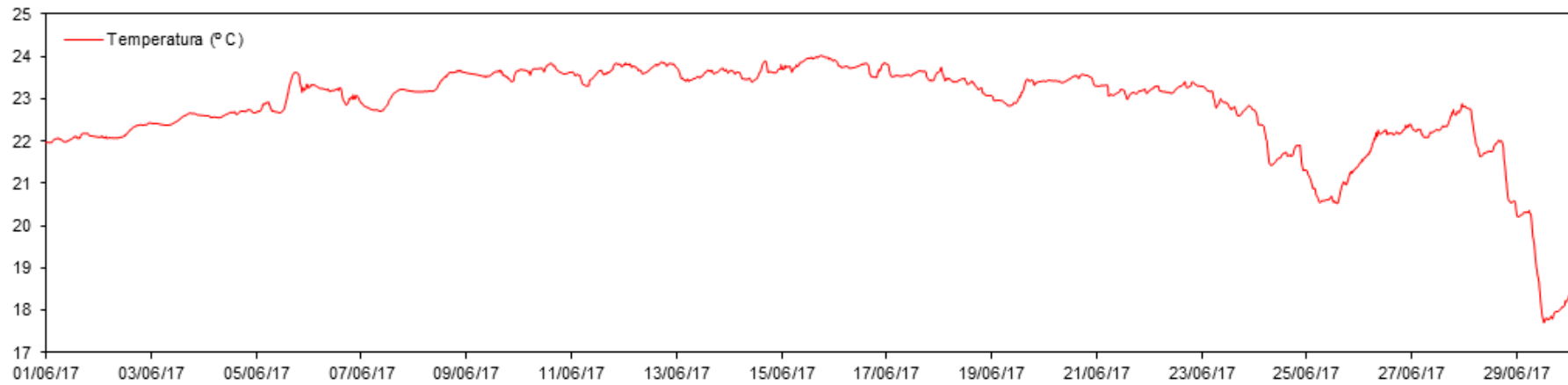




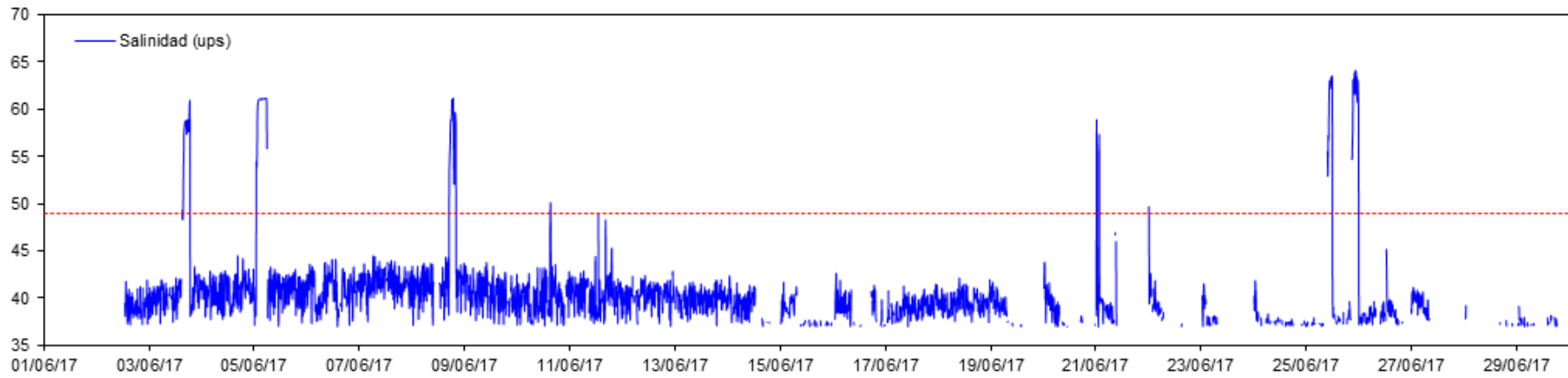
Datos CT Urbanova - 16 m



Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m



Datos CT Vertido - 16 m

