



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. Julio-Septiembre 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 10 de octubre de 2017

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

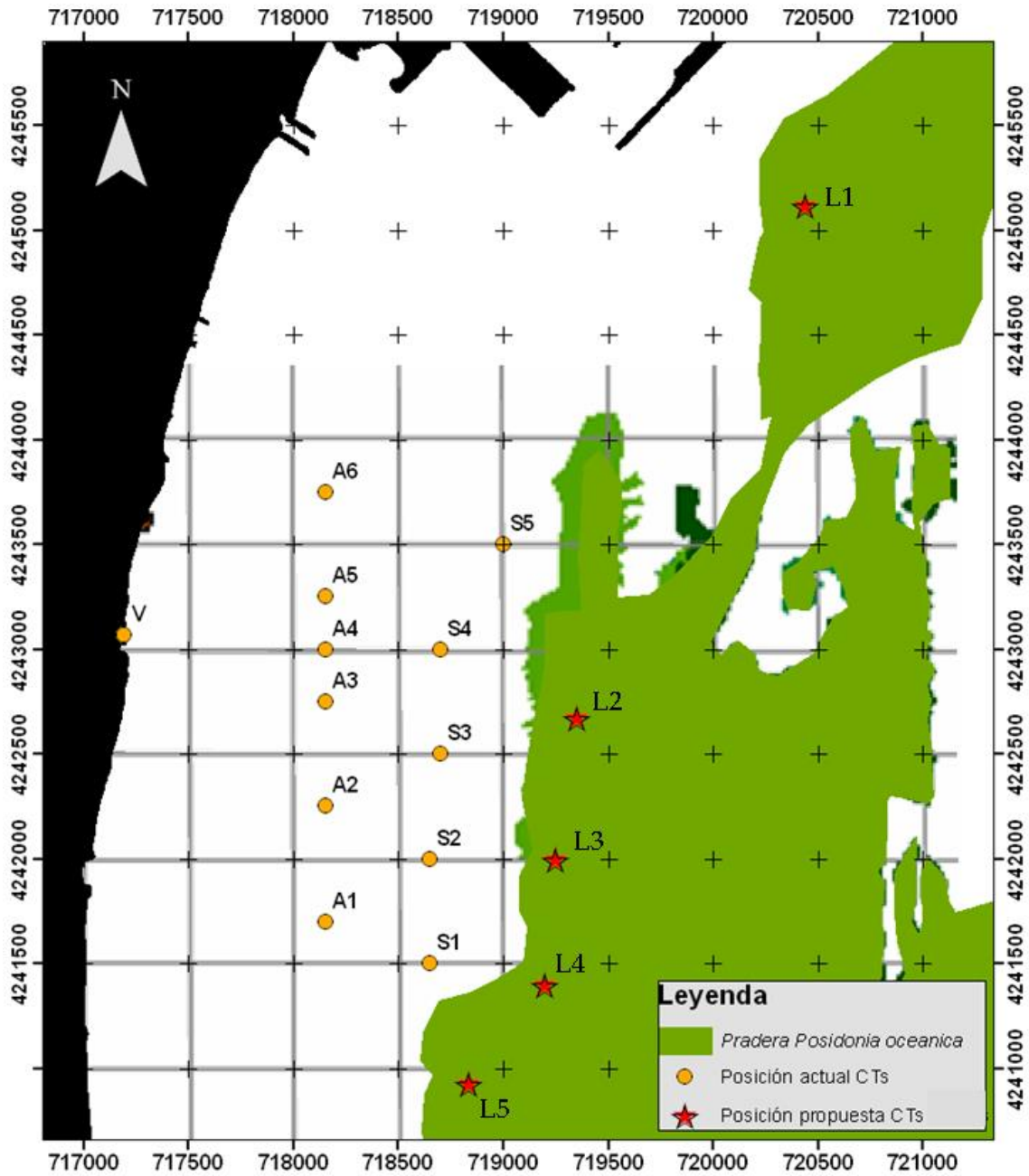


Figura 1: Posición de los sensores.

Mediciones de salinidad y temperatura en el medio receptor

***Julio:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.5	% > 40
1 (Control Puerto)	37.28	37.64	37.00	0.0	0.0
2 (Desaladora)	37.74	38.53	37.07	0.1	0.0
3 (Desaladora Sur)	37.70	38.22	37.00	0.0	0.0
4 (Urbanova Norte)	37.75	38.22	37.14	0.0	0.0
5 (Urbanova)	37.61	38.09	37.09	0.0	0.0
Vertido	44.65	66.38	37.00	% > 49	19.7

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	24.04	26.96	20.01
2 (Desaladora)	24.78	27.79	19.52
3 (Desaladora Sur)	25.16	27.98	19.11
4 (Urbanova Norte)	25.10	27.86	19.06
5 (Urbanova)	25.20	27.92	18.92
Vertido	27.06	29.98	22.31

*** Agosto:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.5	% > 40
1 (Control Puerto)	37.28	37.65	37.00	0.0	0.0
2 (Desaladora)	37.63	38.27	37.03	0.0	0.0
3 (Desaladora Sur)	37.56	38.04	37.00	0.0	0.0
4 (Urbanova Norte)	37.92	38.59	37.03	1.9	0.0
5 (Urbanova)	37.64	38.15	37.17	0.0	0.0
Vertido	40.43	66.81	37.00	% > 49	3.9

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	26.57	28.87	19.17
2 (Desaladora)	27.58	29.35	23.54
3 (Desaladora Sur)	27.77	29.20	23.69
4 (Urbanova Norte)	27.96	29.06	23.83
5 (Urbanova)	28.00	29.04	24.56
Vertido	28.45	30.90	25.62

*** Septiembre:**

- Salinidades (ups)

Localidad	Media	Máximo	Mínimo	% > 38.5	% > 40
1 (Control Puerto)	37.38	37.67	37.00	0.0	0.0
2 (Desaladora)	37.57	37.97	37.06	0.0	0.0
3 (Desaladora Sur)	37.64	38.28	37.05	0.0	0.0
4 (Urbanova Norte)	37.51	38.06	37.00	0.0	0.0
5 (Urbanova)	37.25	37.78	36.80	0.0	0.0
Vertido	40.20	64.93	37.00	% > 49	1.3

- Temperaturas (° C)

Punto	Media	Máximo	Mínimo
1 (Control Puerto)	24.86	26.88	20.23
2 (Desaladora)	25.77	27.42	24.52
3 (Desaladora Sur)	25.82	27.45	25.55
4 (Urbanova Norte)	25.83	27.62	24.51
5 (Urbanova)	25.94	27.78	24.68
Vertido	25.98	28.74	23.22

Régimen de funcionamiento de las desalinizadoras

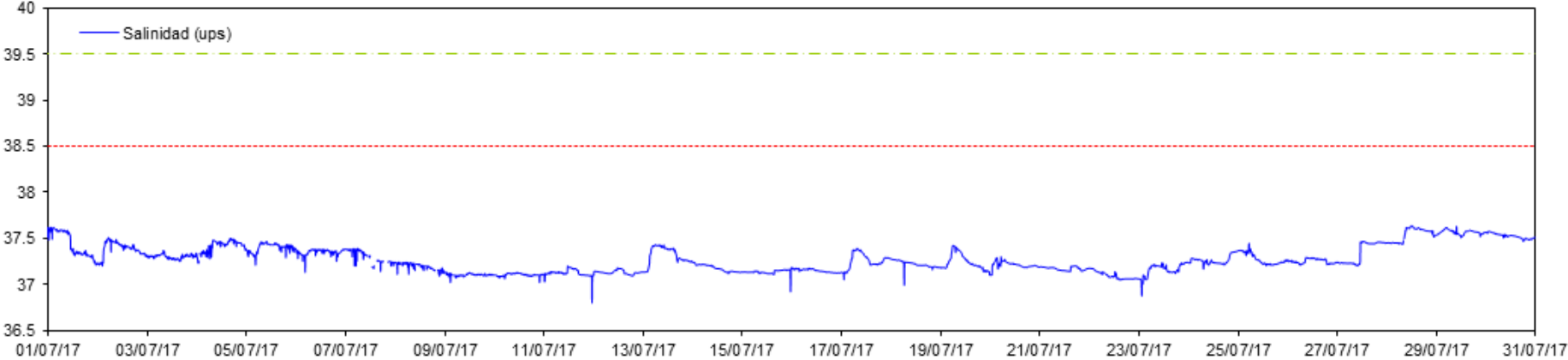
	Producción Alicante I (m ³ /día)	Producción Alicante II (m ³ /día)	Rechazo Alicante I (m ³ /día)	Rechazo Alicante II (m ³ /día)	CAUDAL vertido (m ³ /h)	CAUDAL Dilución (m ³ /h)	RELACIÓN de dilución
01/07/2017	49.612	48.046,00	65.328	48.046,00	5.164,5	9.720	1,88
02/07/2017	52.674	48.481,00	66.478	48.481,00	5.366,7	9.720	1,81
03/07/2017	35.670	57.049,00	47.004	57.049,00	4.739,2	9.008	1,90
04/07/2017	35.833	39.086,00	47.307	39.086,00	3.576,5	8.754	2,45
05/07/2017	38.594	47.783,00	49.475	47.783,00	4.182,9	8.240	1,97
06/07/2017	34.479	51.155,00	44.632	51.155,00	3.874,9	7.523	1,94
07/07/2017	36.932	49.903,00	47.824	49.903,00	4.071,7	8.240	2,02
08/07/2017	54.451	52.289,00	72.035	52.289,00	5.133,1	9.720	1,89
09/07/2017	52.533	46.242,00	64.091	46.242,00	4.514,8	9.509	2,11
10/07/2017	34.410	42.741,00	45.468	42.741,00	3.515,7	8.883	2,53
11/07/2017	36.312	40.077,00	46.145	40.077,00	3.486,7	6.287	1,80
12/07/2017	36.863	1.441,00	47.208	1.441,00	1.980,8	7.000	3,53
13/07/2017	37.559	19.343,00	51.734	19.343,00	3.175,8	7.000	2,20
14/07/2017	37.436	52.273,00	48.209	52.273,00	4.178,6	9.573	2,29
15/07/2017	51.130	53.034,00	64.367	53.034,00	4.855,1	9.720	2,00
16/07/2017	51.993	52.648,00	65.790	52.648,00	5.907,0	9.720	1,65
17/07/2017	35.505	54.358,00	40.546	54.358,00	3.248,0	9.573	2,95
18/07/2017	36.266	54.895,00	51.169	54.895,00	4.706,5	9.573	2,03
19/07/2017	36.001	62.377,00	45.609	62.377,00	4.621,3	9.573	2,07
20/07/2017	38.585	62.557,00	49.855	62.557,00	4.826,3	9.573	1,98
21/07/2017	40.651	61.351,00	54.504	61.351,00	4.987,7	9.573	1,92
22/07/2017	55.418	62.246,00	69.463	62.246,00	5.628,3	9.720	1,73
23/07/2017	52.277	64.251,00	63.539	64.251,00	5.477,7	9.720	1,77
24/07/2017	32.923	58.091,00	43.098	58.091,00	4.363,9	9.573	2,19
25/07/2017	36.185	59.133,00	47.904	59.133,00	4.651,4	9.573	2,06
26/07/2017	38.623	61.350,00	48.375	61.350,00	4.629,5	9.196	1,99
27/07/2017	38.078	62.199,00	48.904	62.199,00	4.767,5	11.958	2,51
28/07/2017	37.896	52.435,00	49.902	52.435,00	4.412,0	7.990	1,81
29/07/2017	61.596	58.842,00	78.679	58.842,00	5.705,8	11.303	1,98
30/07/2017	55.357	52.763,00	71.165	52.763,00	5.421,7	9.720	1,79
31/07/2017	33.053	52.621,00	43.828	52.621,00	4.075,8	9.592	2,35

	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
01/08/2017	57.140	50.839,00	75.647	51.628,00	5.303,1	9.573	1,81
02/08/2017	57.556	55.026,00	71.444	54.889,00	5.263,9	9.573	1,82
03/08/2017	58.156	52.818,00	73.424	51.971,00	5.224,8	9.573	1,83
04/08/2017	46.664	52.034,00	62.091	51.988,00	4.753,3	9.583	2,02
05/08/2017	52.450	53.113,00	64.598	53.488,00	4.920,3	9.720	1,98
06/08/2017	53.581	55.557,00	68.142	53.490,00	5.068,0	9.720	1,92
07/08/2017	54.527	50.830,00	70.202	52.096,00	5.095,8	9.720	1,91
08/08/2017	56.113	53.406,00	71.447	52.922,00	5.182,0	9.720	1,88
09/08/2017	55.631	47.655,00	72.015	47.073,00	4.962,0	9.720	1,96
10/08/2017	53.549	51.253,00	66.436	53.172,00	4.983,7	9.720	1,95
11/08/2017	51.794	48.655,00	67.010	52.355,00	4.973,5	8.948	1,80
12/08/2017	52.567	40.417,00	65.897	51.816,00	4.904,7	9.500	1,94
13/08/2017	50.935	35.932,00	63.041	46.612,00	4.568,9	9.500	2,08
14/08/2017	52.544	32.030,00	67.015	41.462,00	4.519,9	7.833	1,73
15/08/2017	51.729	32.074,00	64.819	38.762,00	4.315,9	9.500	2,20
16/08/2017	52.370	38.509,00	65.442	39.383,00	4.367,7	7.729	1,77
17/08/2017	52.589	49.393,00	65.803	47.133,00	4.705,7	8.407	1,79
18/08/2017	52.690	59.004,00	65.227	60.604,00	5.243,0	9.240	1,76
19/08/2017	52.408	63.350,00	65.540	66.065,00	5.483,5	9.720	1,77
20/08/2017	48.119	57.327,00	61.383	57.048,00	4.934,6	9.720	1,97
21/08/2017	51.756	52.696,00	65.553	52.606,00	4.923,3	9.240	1,88
22/08/2017	53.005	52.414,00	66.750	52.901,00	4.985,5	9.180	1,84
23/08/2017	52.933	52.414,00	66.483	52.901,00	4.857,4	9.330	1,92
24/08/2017	51.108	49.135,00	63.684	50.095,00	4.639,7	9.601	2,07
25/08/2017	53.126	41.796,00	66.504	39.086,00	4.399,6	9.592	2,18
26/08/2017	53.189	38.029,00	65.525	36.251,00	4.240,7	9.720	2,29
27/08/2017	51.968	41.584,00	65.024	38.681,00	4.321,0	9.720	2,25
28/08/2017	51.838	43.001,00	64.982	40.532,00	4.396,4	9.601	2,18
29/08/2017	51.499	42.581,00	64.967	41.591,00	4.439,9	9.573	2,16
30/08/2017	51.849	38.283,00	66.033	33.390,00	4.142,6	9.157	2,21
31/08/2017	52.541	30.168,00	65.707	26.155,00	3.827,6	8.856	2,31

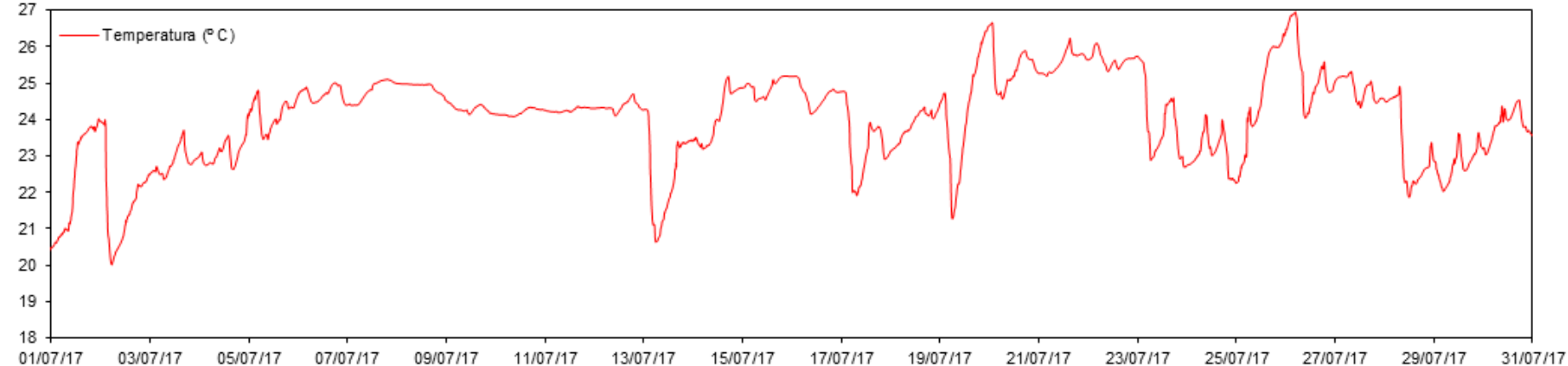
	Producción Alicante I (m³/día)	Producción Alicante II (m³/día)	Rechazo Alicante I (m³/día)	Rechazo Alicante II (m³/día)	CAUDAL vertido (m³/ h)	CAUDAL Dilución (m³/ h)	RELACIÓN de dilución
01/09/2017	71.215	32.039,00	72.763	27.121,00	3.066,0	8.907	2,90
02/09/2017	71.203	33.119,00	72.077	27.105,00	3.855,1	9.720	2,52
03/09/2017	72.885	30.877,00	73.703	26.194,00	3.795,0	9.720	2,56
04/09/2017	68.818	32.416,00	70.530	24.831,00	2.420,7	7.680	3,17
05/09/2017	68.192	26.109,00	69.791	19.246,00	2.608,8	7.313	2,80
06/09/2017	67.282	20.651,00	67.177	13.357,00	2.422,5	7.500	3,10
07/09/2017	67.665	20.512,00	58.734	12.845,00	2.471,8	7.500	3,03
08/09/2017	69.065	27.520,00	80.501	20.739,00	2.716,7	7.500	2,76
09/09/2017	70.422	38.031,00	71.874	35.438,00	4.185,3	9.292	2,22
10/09/2017	73.909	42.350,00	74.625	38.134,00	4.302,3	9.500	2,21
11/09/2017	67.409	39.865,00	68.565	38.987,00	3.576,3	8.583	2,40
12/09/2017	68.056	52.054,00	69.080	51.140,00	4.032,2	9.583	2,38
13/09/2017	65.884	55.376,00	66.752	53.879,00	4.166,8	9.573	2,30
14/09/2017	67.192	50.881,00	68.161	52.010,00	4.107,6	9.573	2,33
15/09/2017	68.764	44.156,00	69.003	32.728,00	3.355,0	9.573	2,85
16/09/2017	56.304	23.630,00	56.507	31.962,00	4.025,7	9.720	2,41
17/09/2017	67.664	41.536,00	68.465	39.939,00	4.261,4	9.720	2,28
18/09/2017	69.255	45.059,00	70.107	42.868,00	3.642,7	9.008	2,47
19/09/2017	66.584	40.643,00	67.361	39.808,00	3.608,8	9.008	2,50
20/09/2017	65.973	40.059,00	66.846	40.563,00	3.533,5	8.907	2,52
21/09/2017	68.856	40.480,00	69.607	38.987,00	3.647,3	8.958	2,46
22/09/2017	66.617	40.080,00	67.341	39.835,00	3.571,7	8.907	2,49
23/09/2017	70.813	49.500,00	72.469	51.828,00	4.855,0	9.720	2,00
24/09/2017	73.381	51.786,00	74.864	52.832,00	4.790,1	9.720	2,03
25/09/2017	67.839	46.399,00	69.071	45.884,00	3.912,0	9.032	2,31
26/09/2017	66.416	41.234,00	68.373	39.808,00	3.448,0	9.059	2,63
27/09/2017	68.277	42.605,00	69.513	40.920,00	3.565,4	8.907	2,50
28/09/2017	67.356	41.102,00	68.654	41.254,00	3.642,9	8.856	2,43
29/09/2017	66.575	35.696,00	68.354	32.840,00	3.303,8	8.907	2,70
30/09/2017	70.776	29.183,00	71.967	27.463,00	3.777,4	8.853	2,34

* Datos mensuales (Julio):

Datos CT Puerto - 16 m



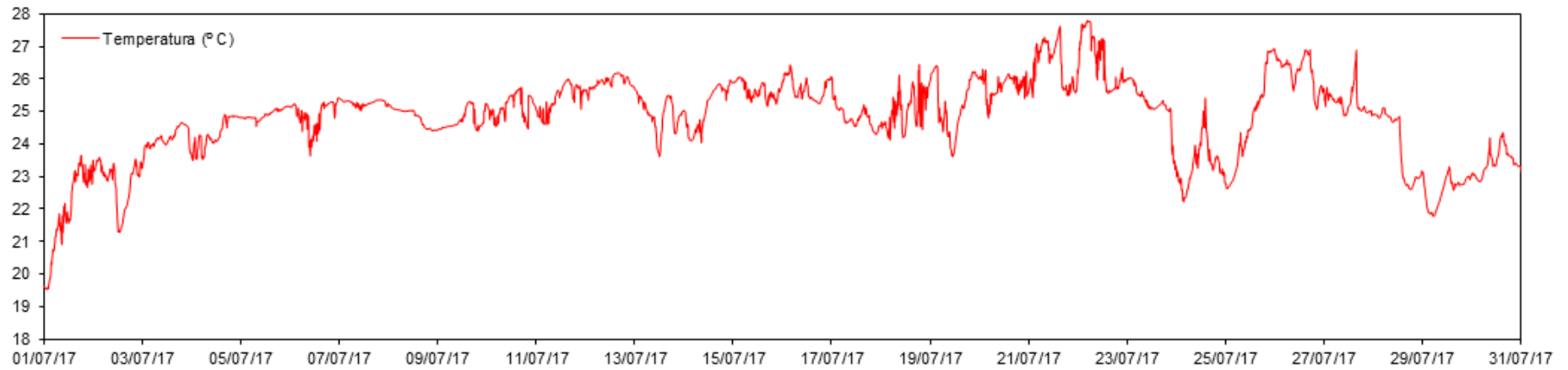
Datos CT Puerto - 16 m



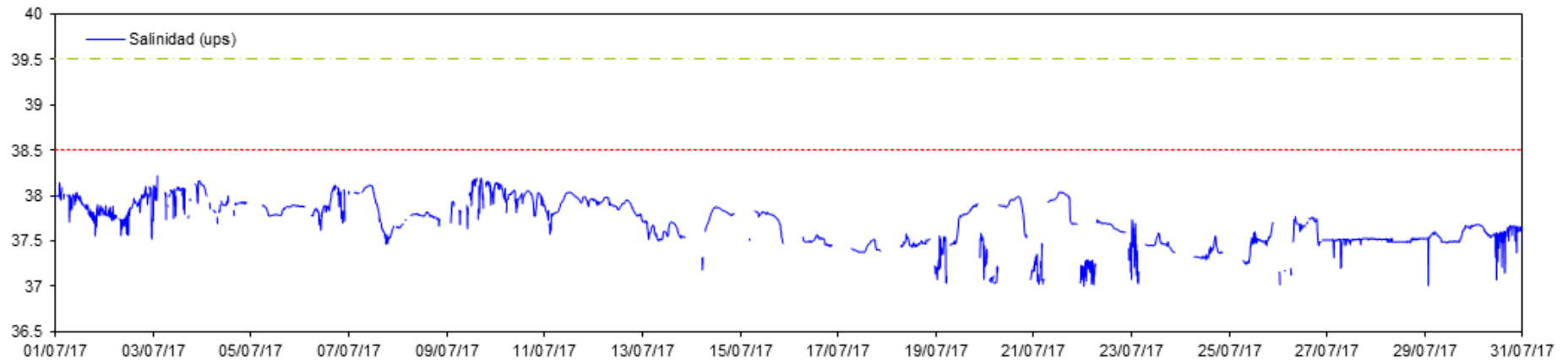
Datos CT Desaladora - 16 m



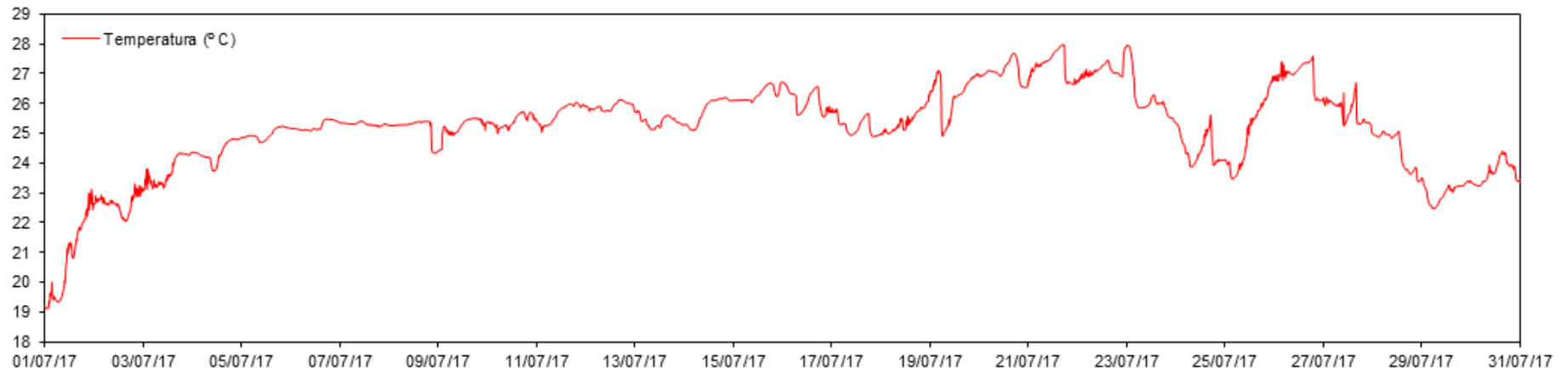
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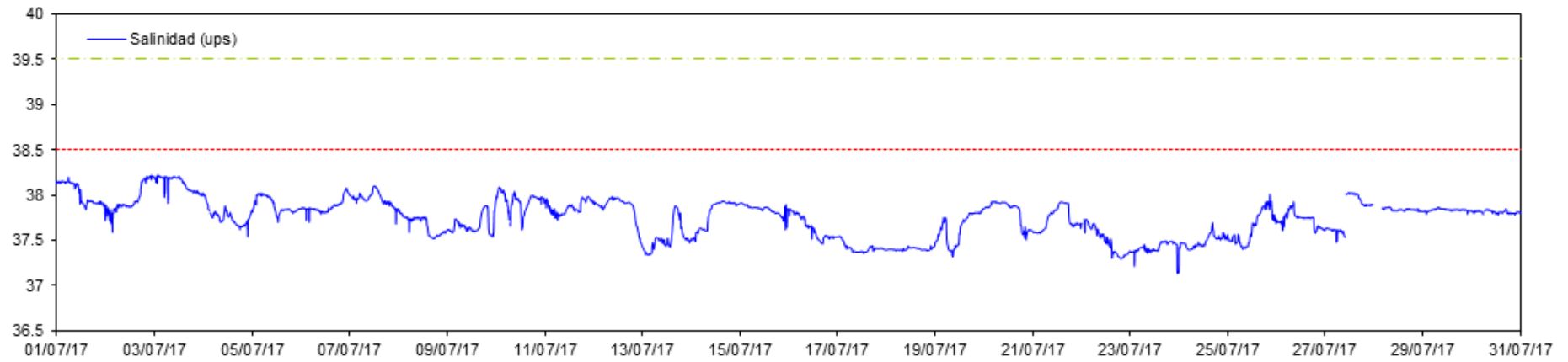
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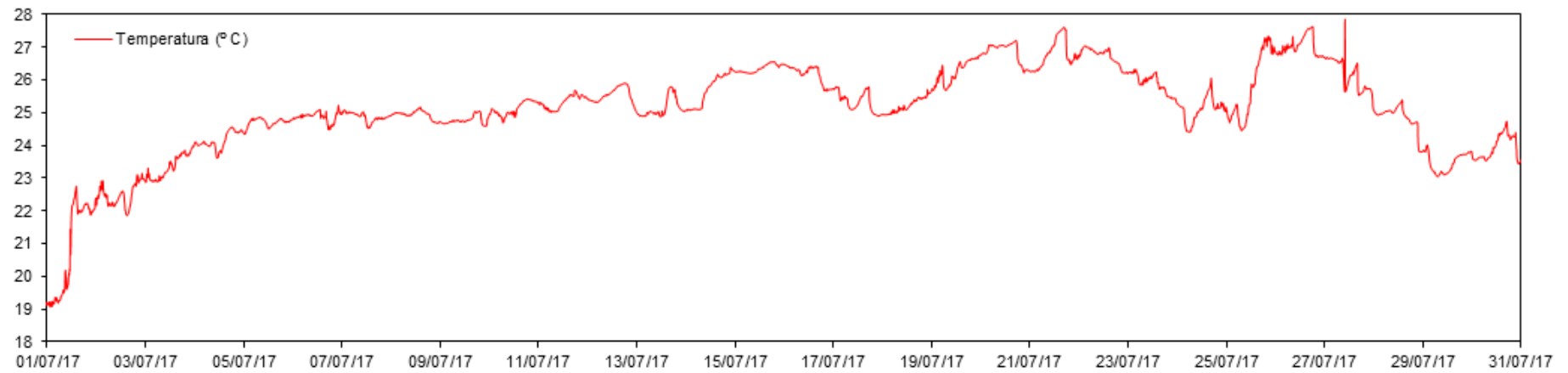
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Datos CT Urbanova N - 16 m



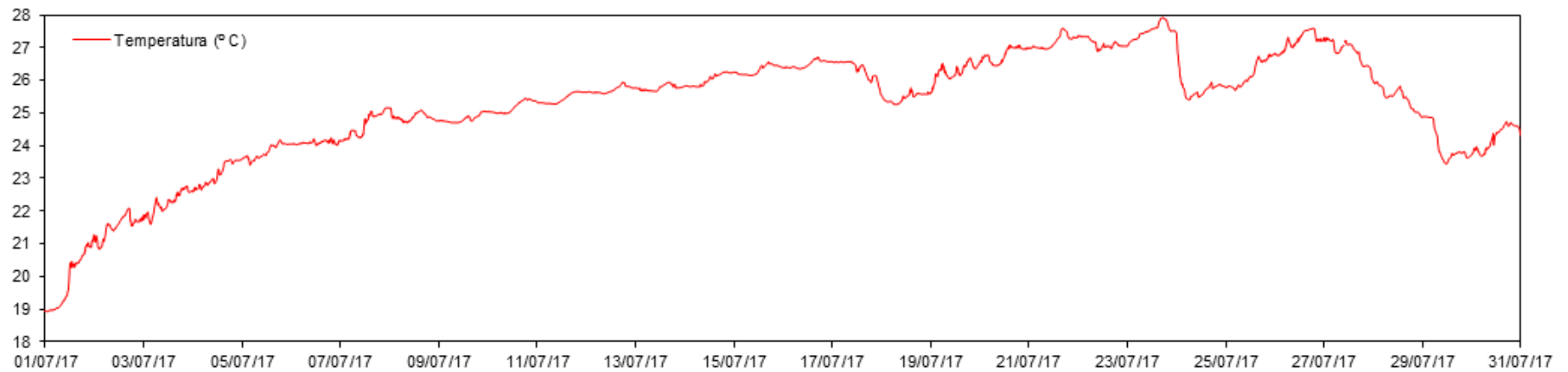
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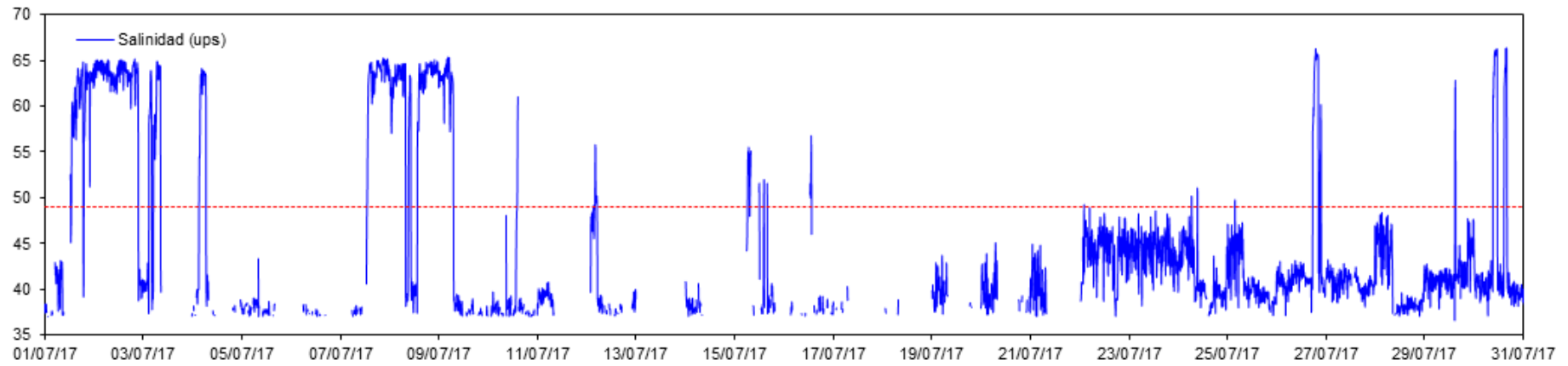
Datos CT Urbanova - 16 m



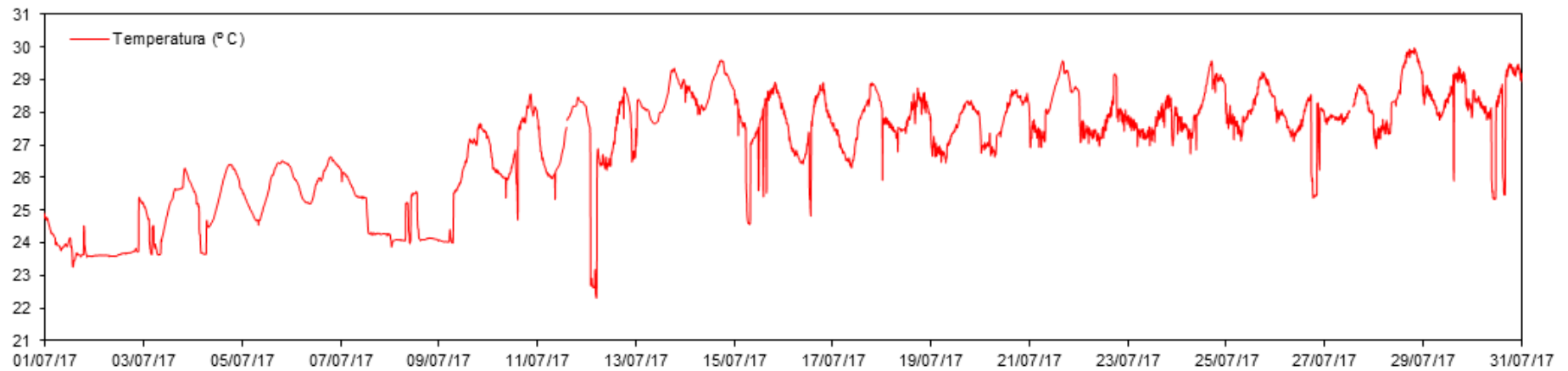
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

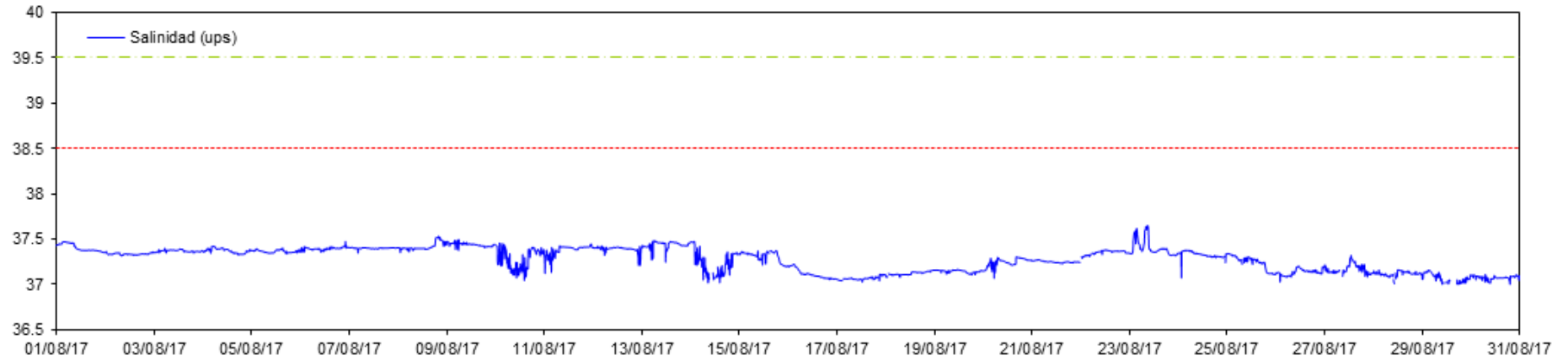


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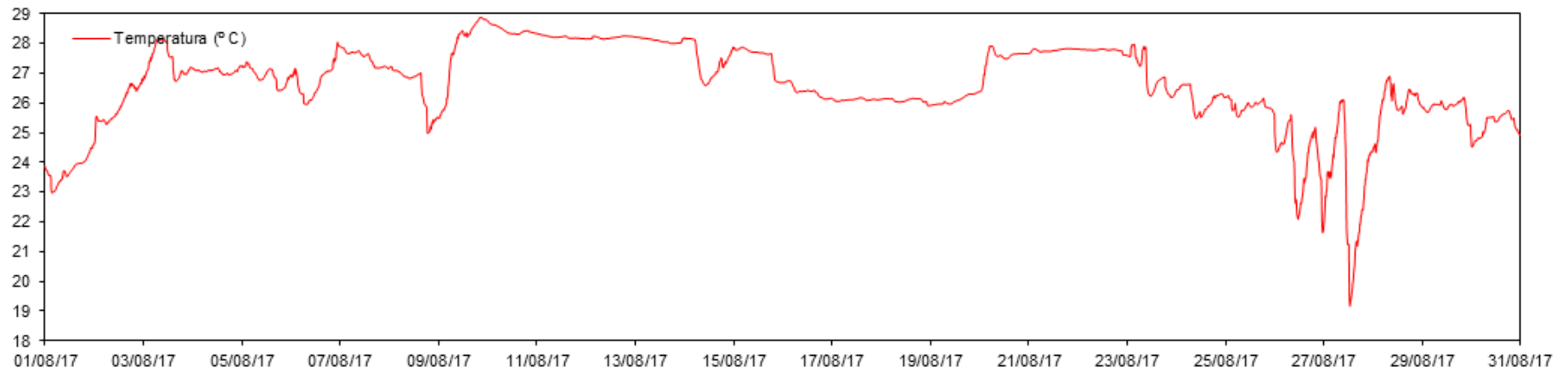


* Datos mensuales (Agosto):

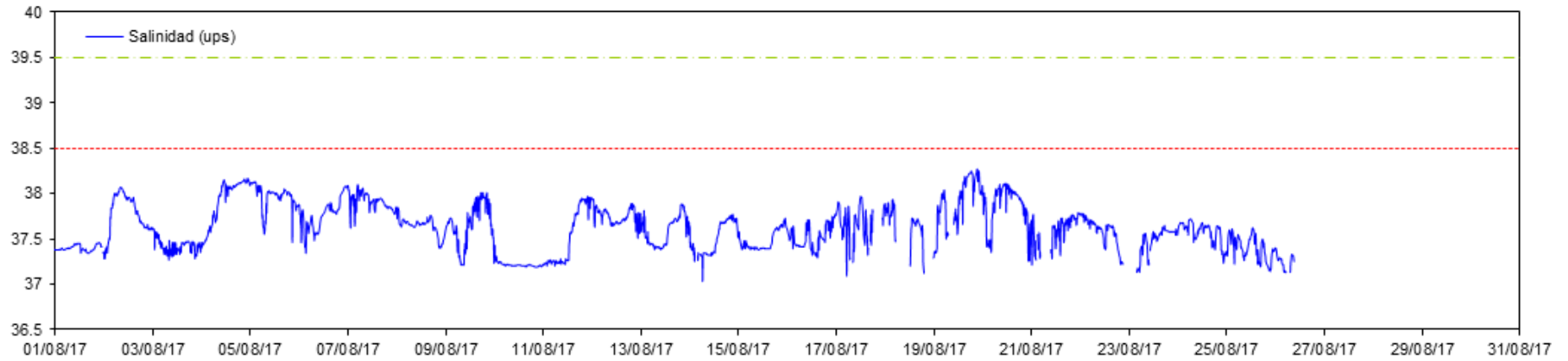
Datos CT Puerto - 16 m



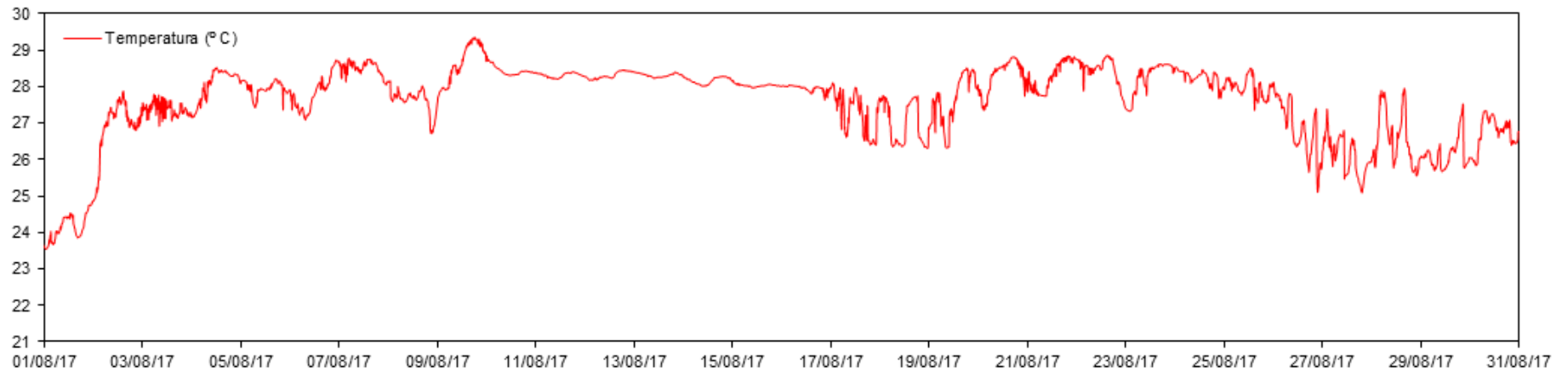
Datos CT Puerto - 16 m



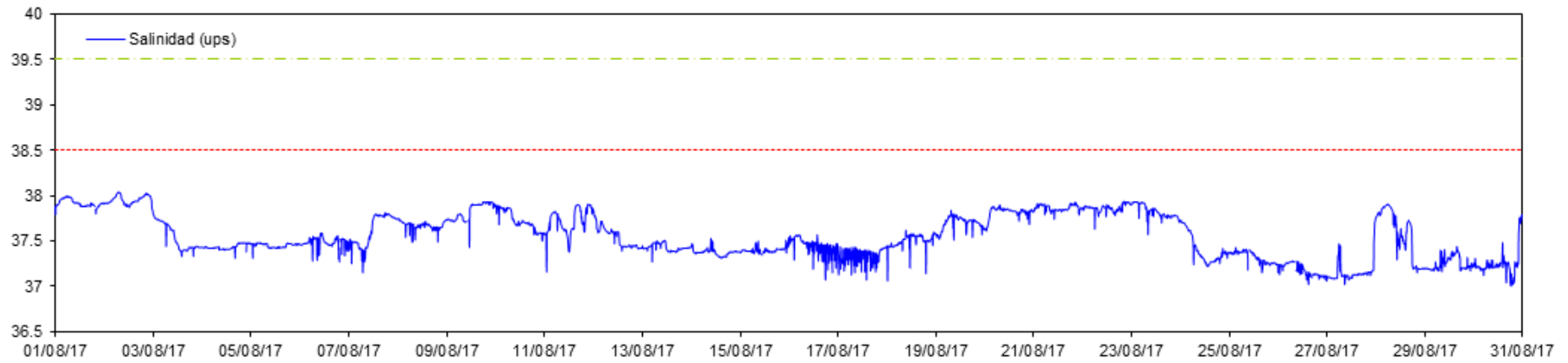
Datos CT Desaladora - 16 m



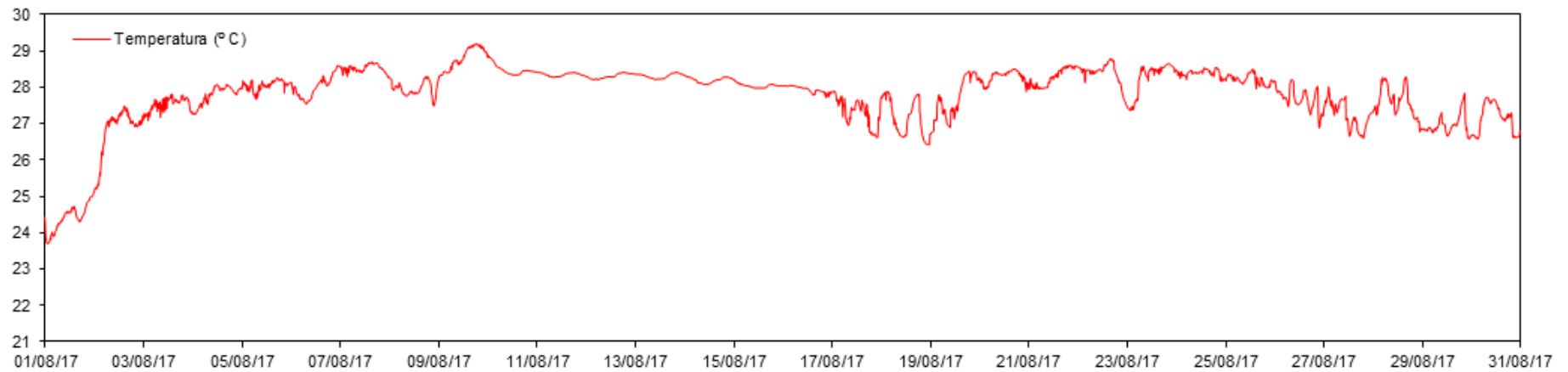
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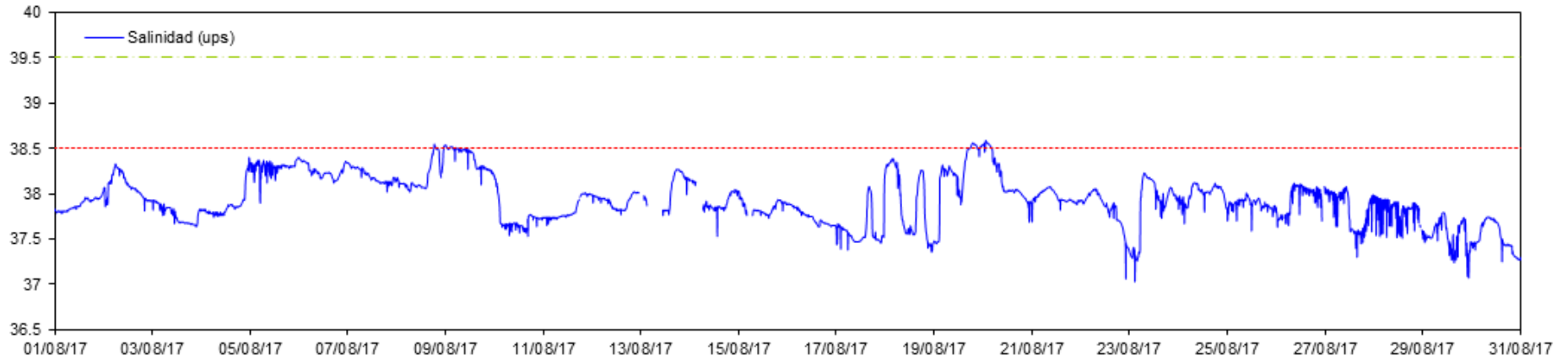
Datos CT Desaladora S - 16 m



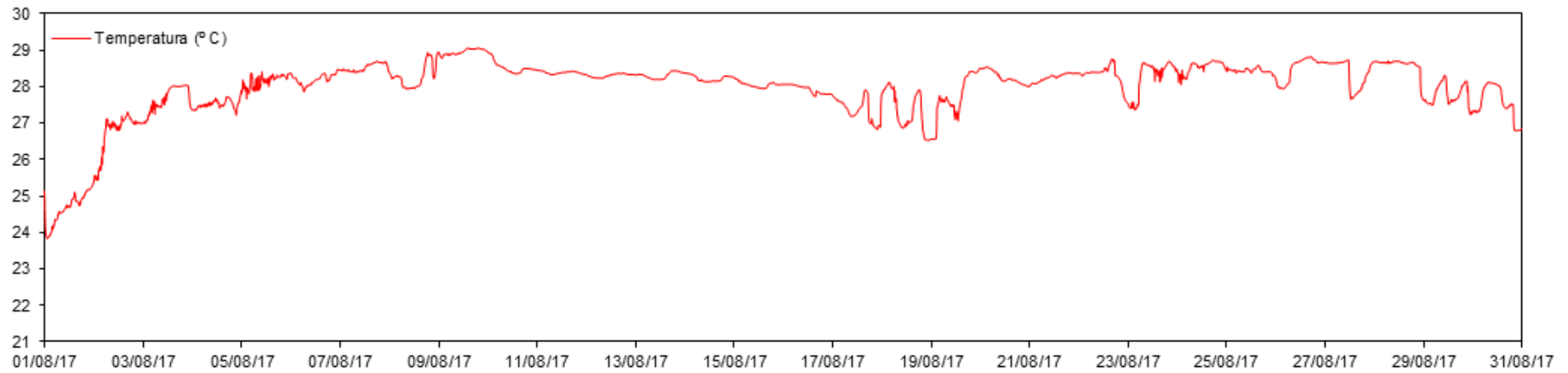
Datos CT Desaladora S - 16 m



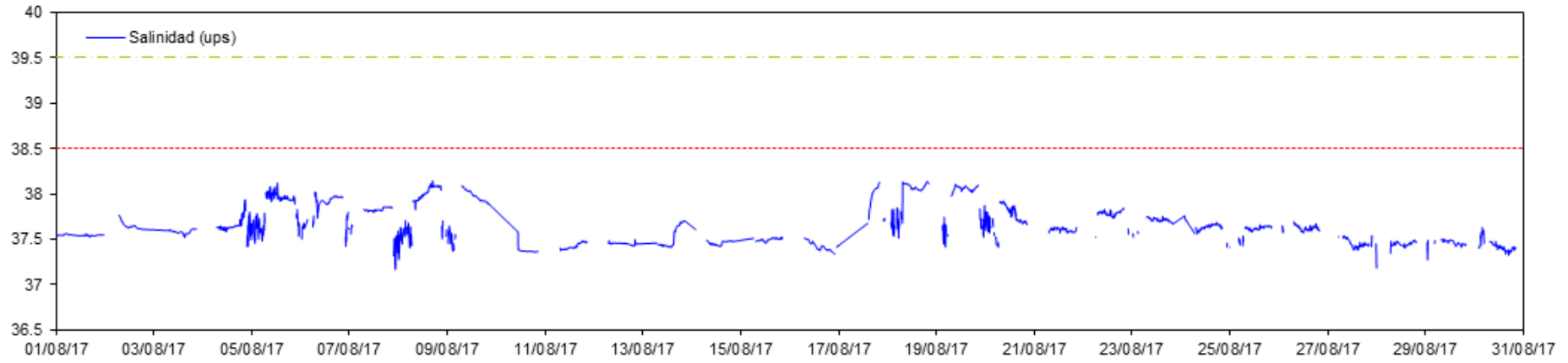
Datos CT Urbanova N - 16 m



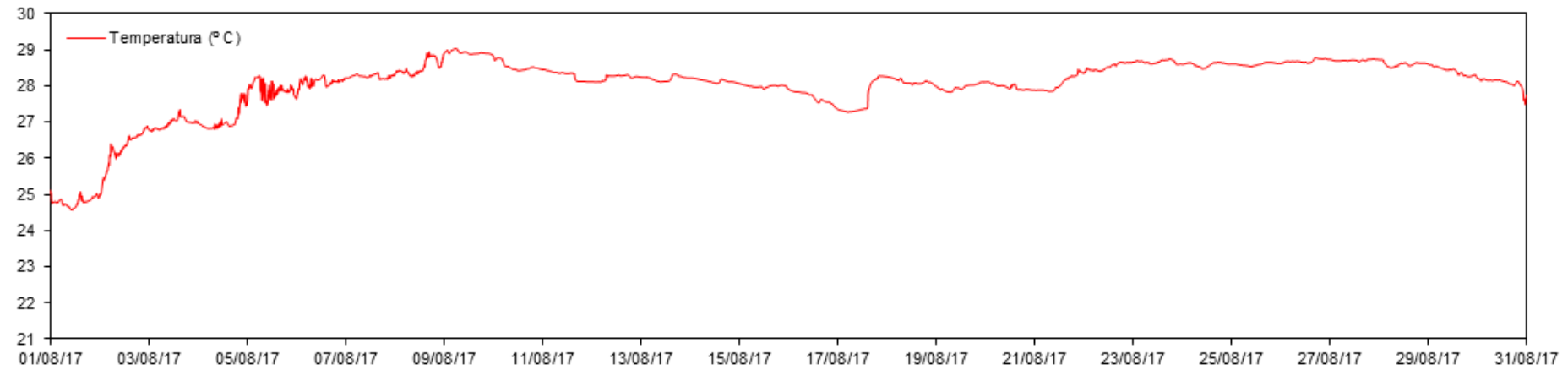
Datos CT Urbanova N - 16 m



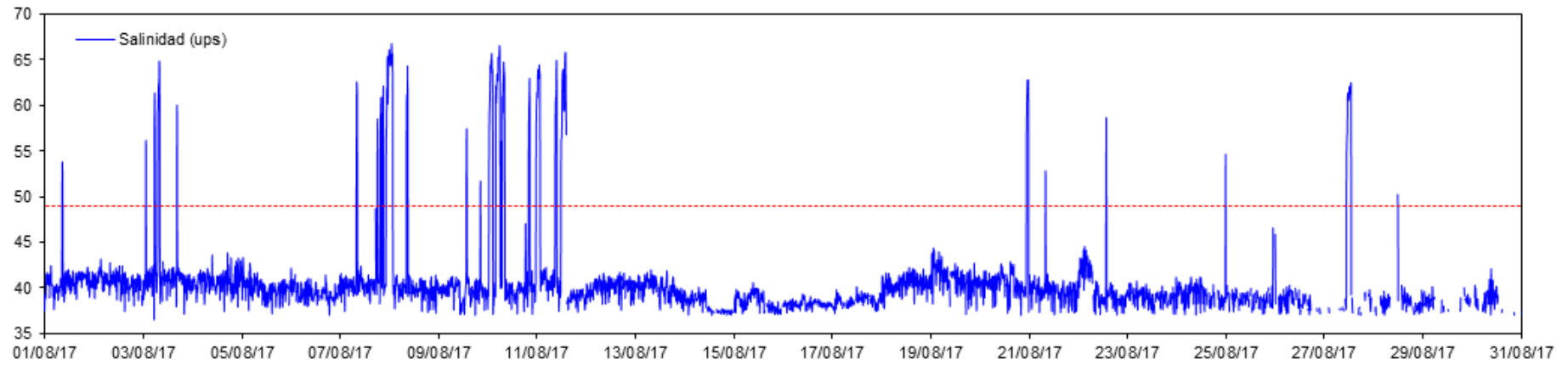
Datos CT Urbanova - 16 m



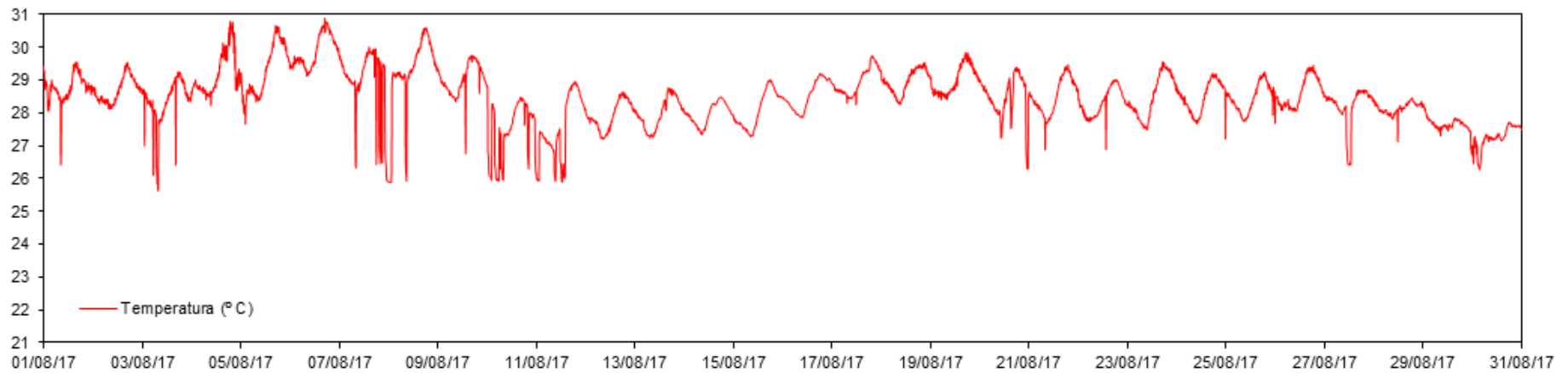
Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m

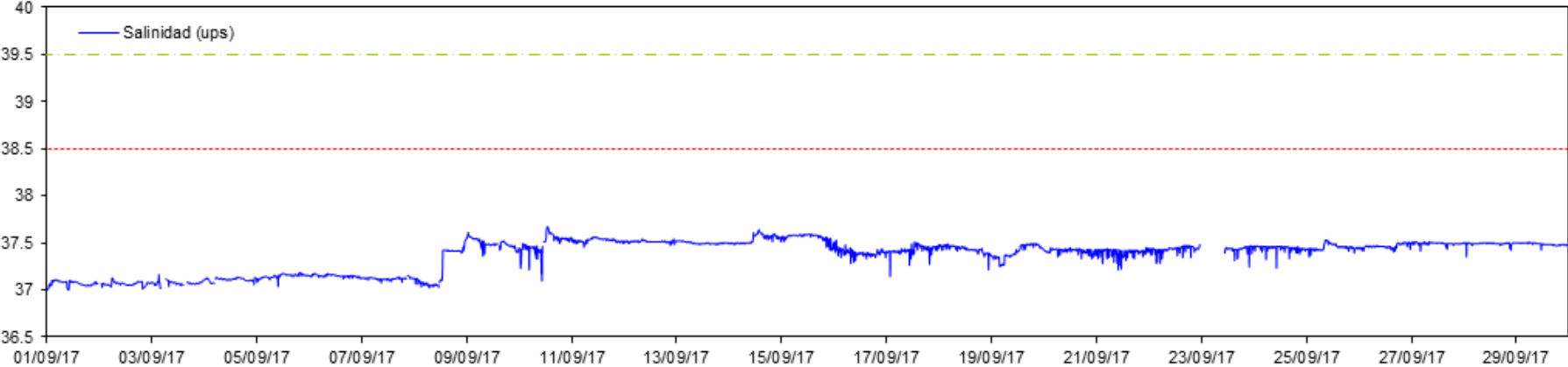


Datos CT Vertido - 16 m

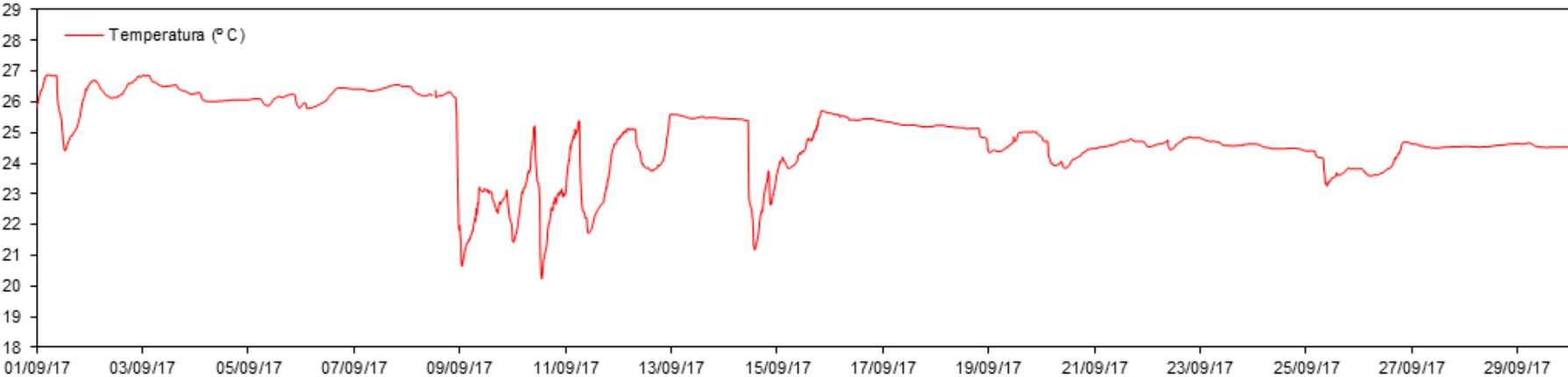


* Datos mensuales (Septiembre):

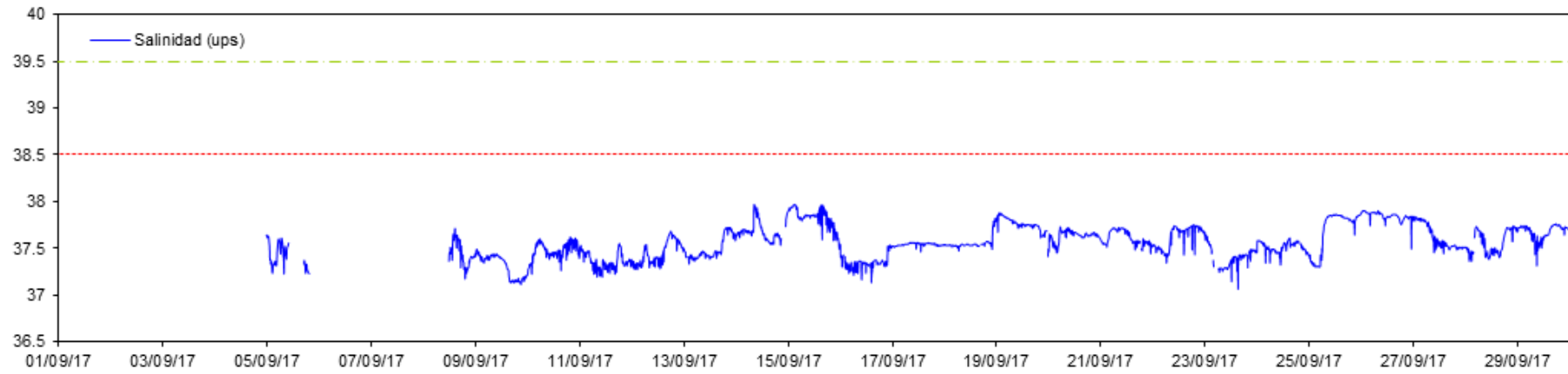
Datos CT Puerto - 16 m



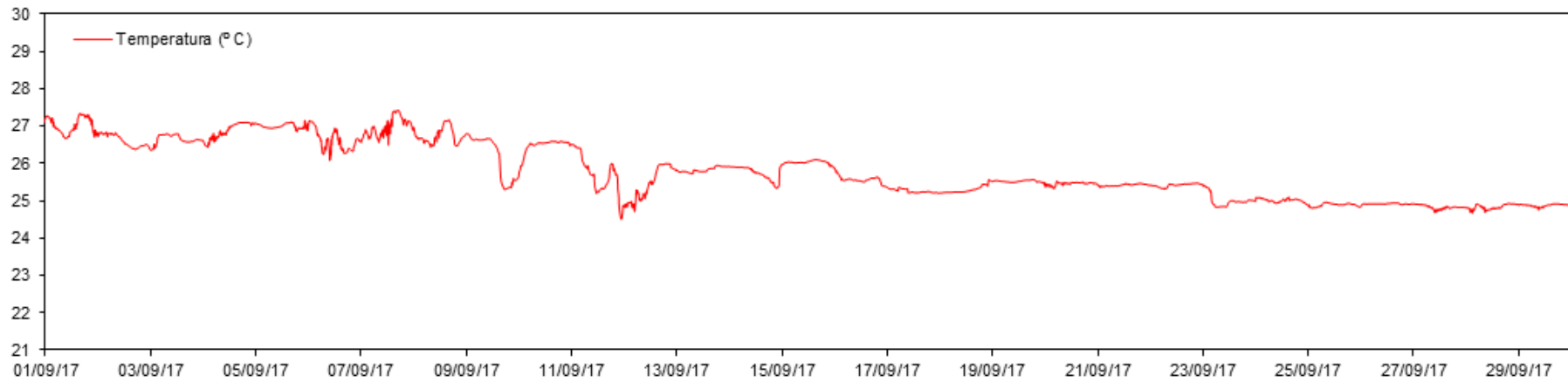
Datos CT Puerto - 16 m



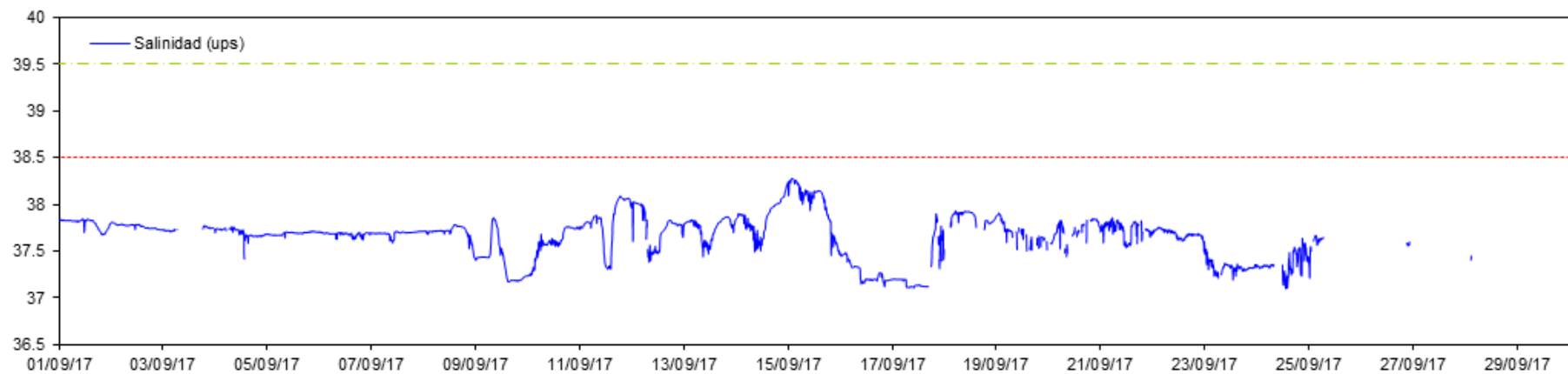
Datos CT Desaladora - 16 m



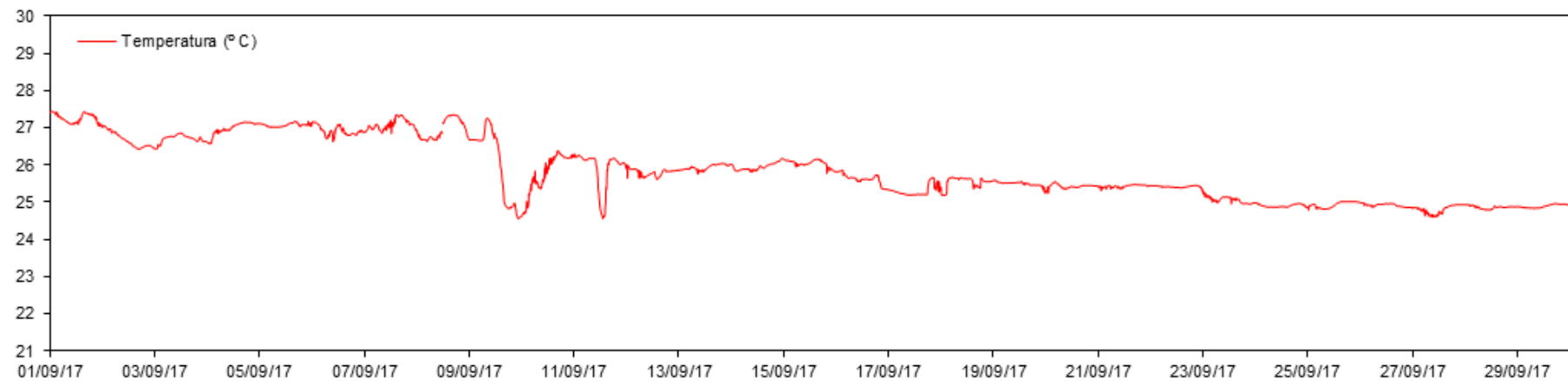
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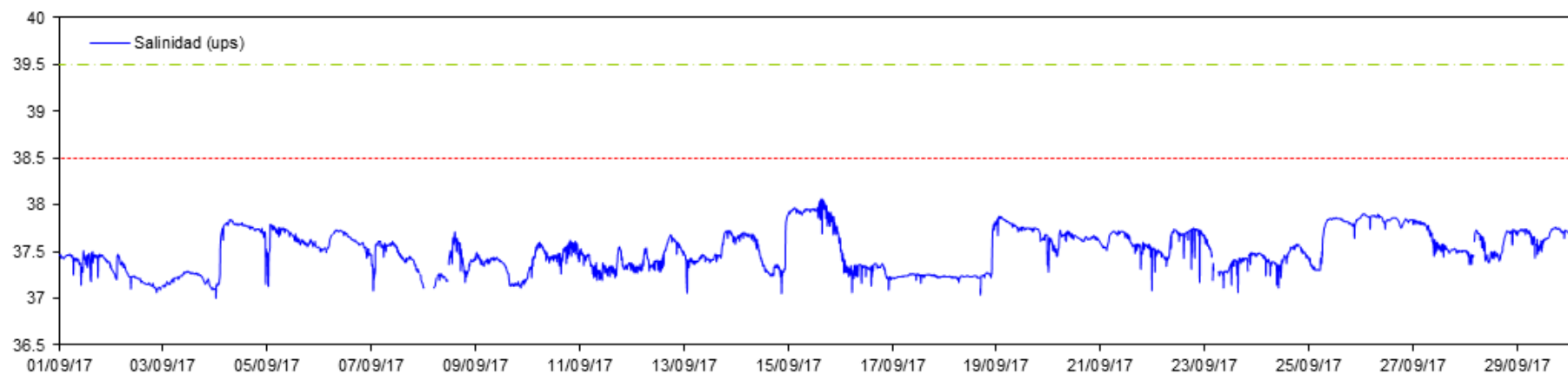
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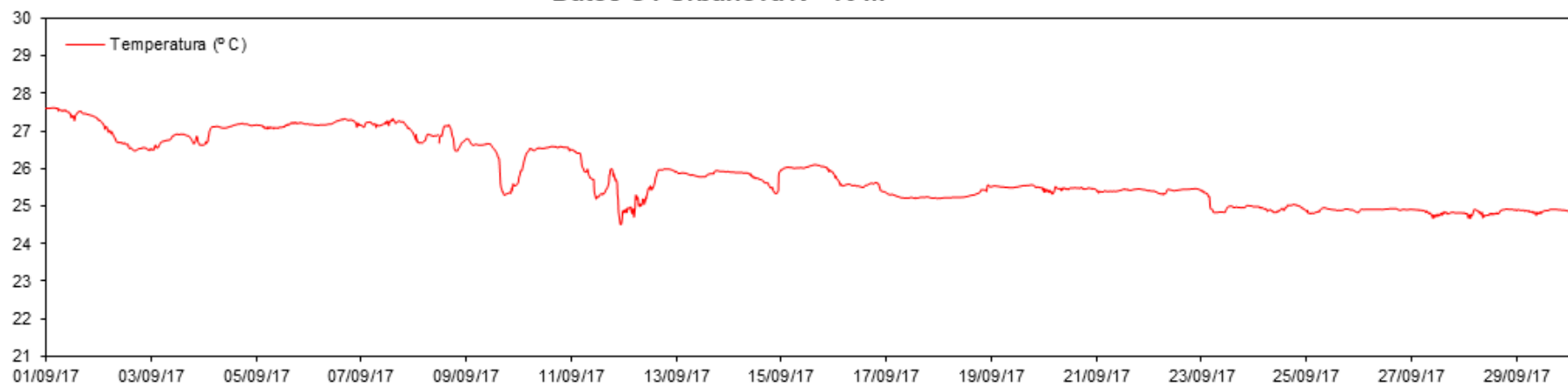
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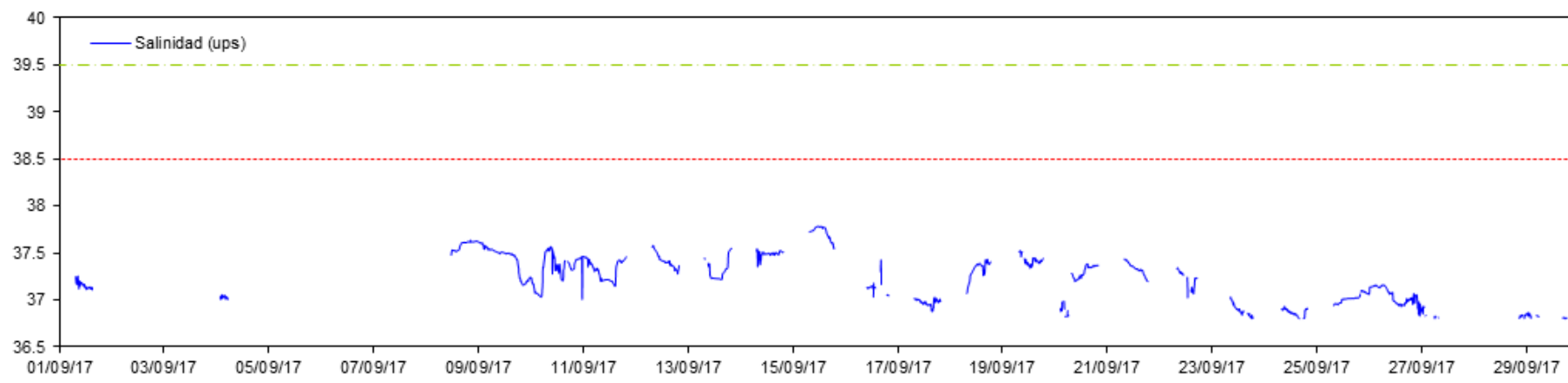
Datos CT Urbanova N - 16 m



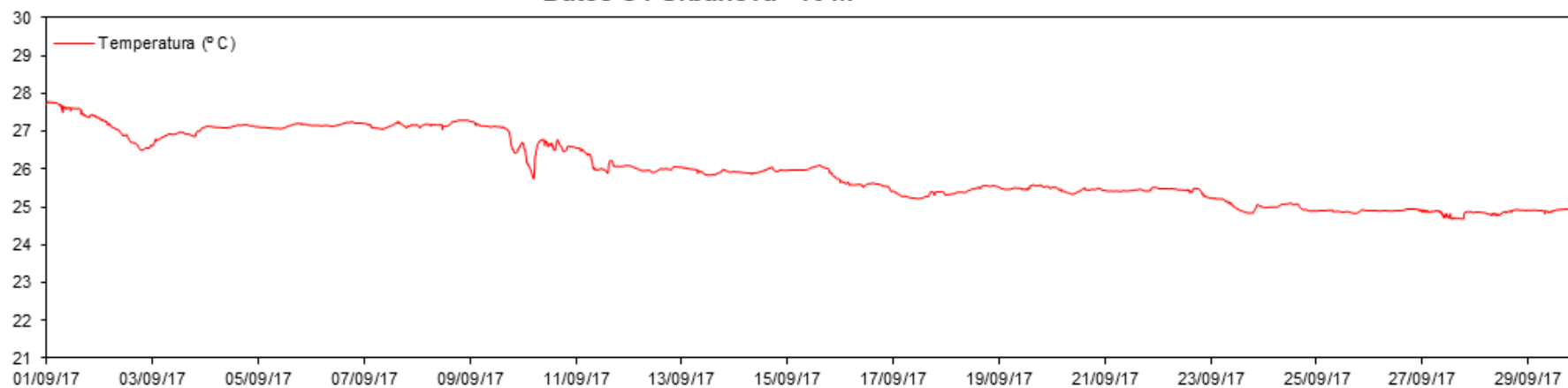
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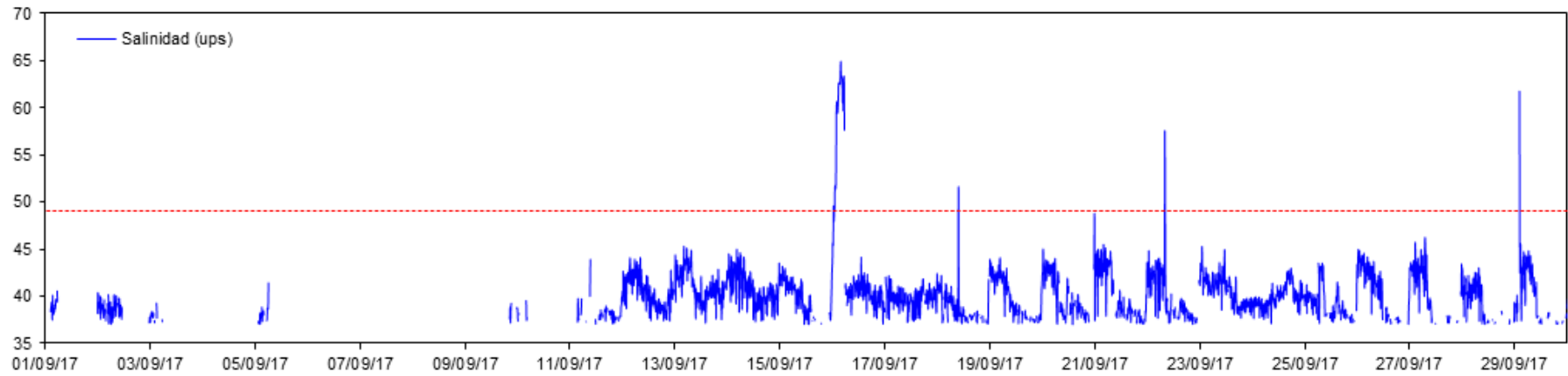
Datos CT Urbanova - 16 m



Datos CT Urbanova - 16 m



Datos CT Vertido - 16 m



Datos CT Vertido - 16 m

