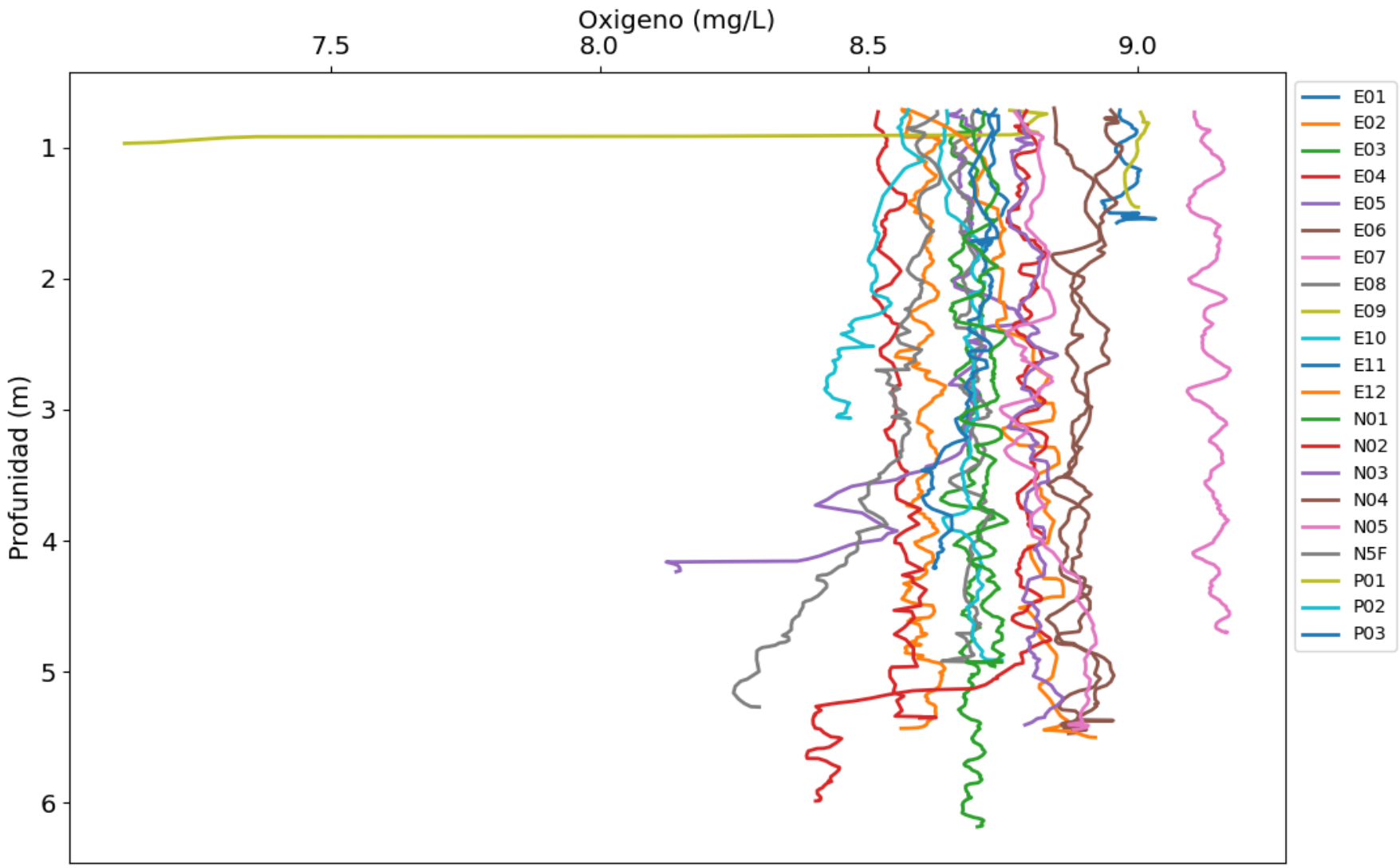
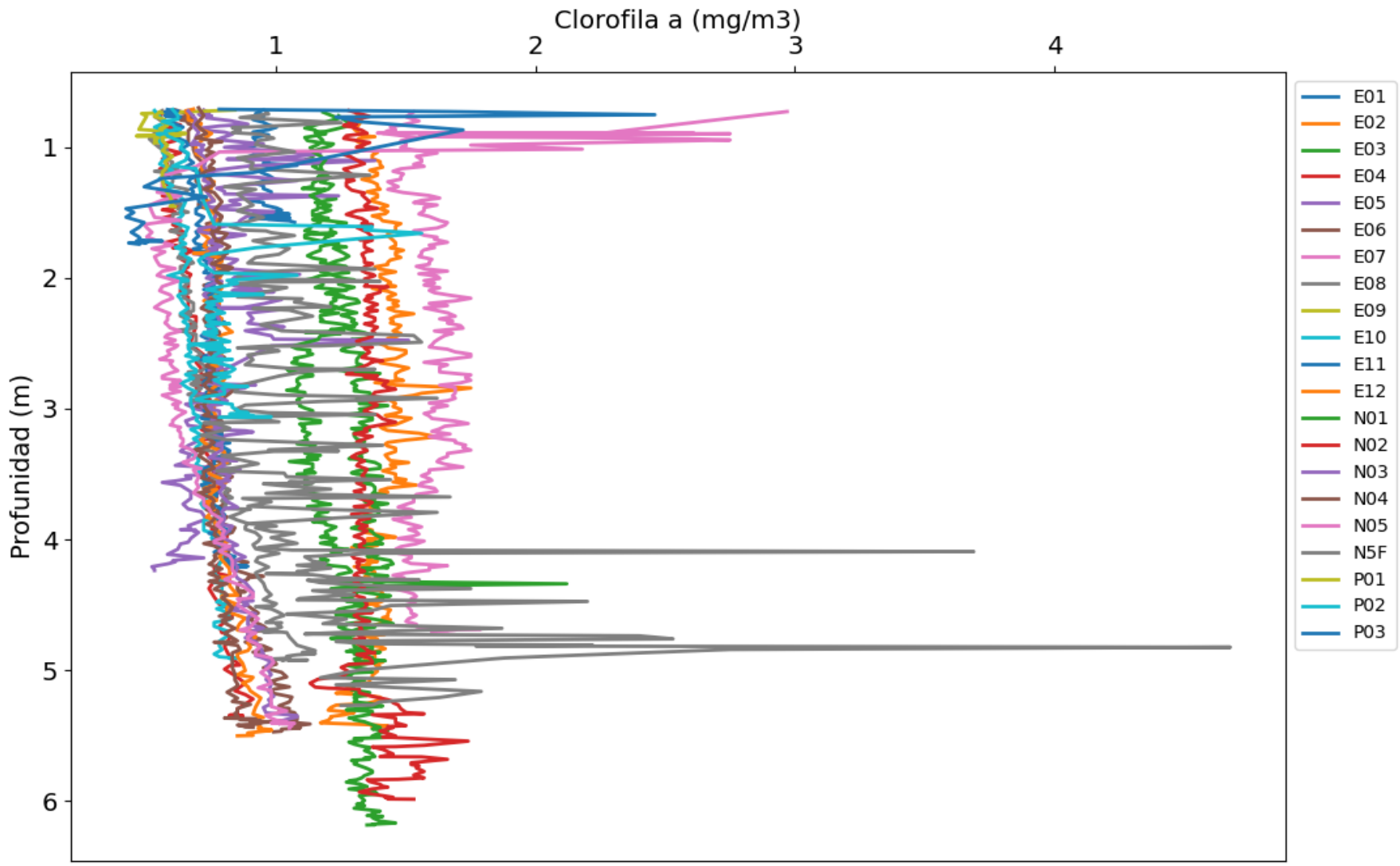
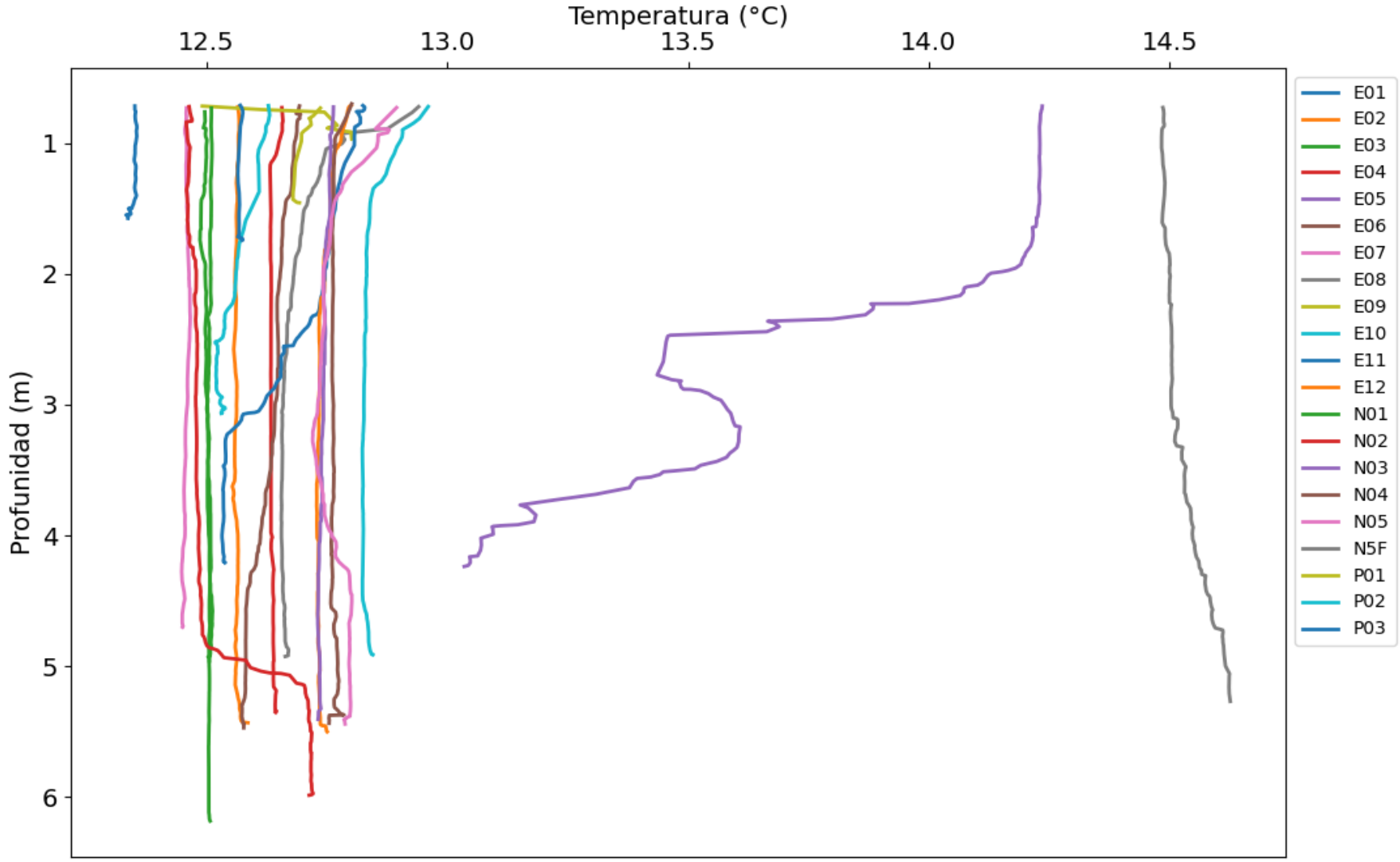
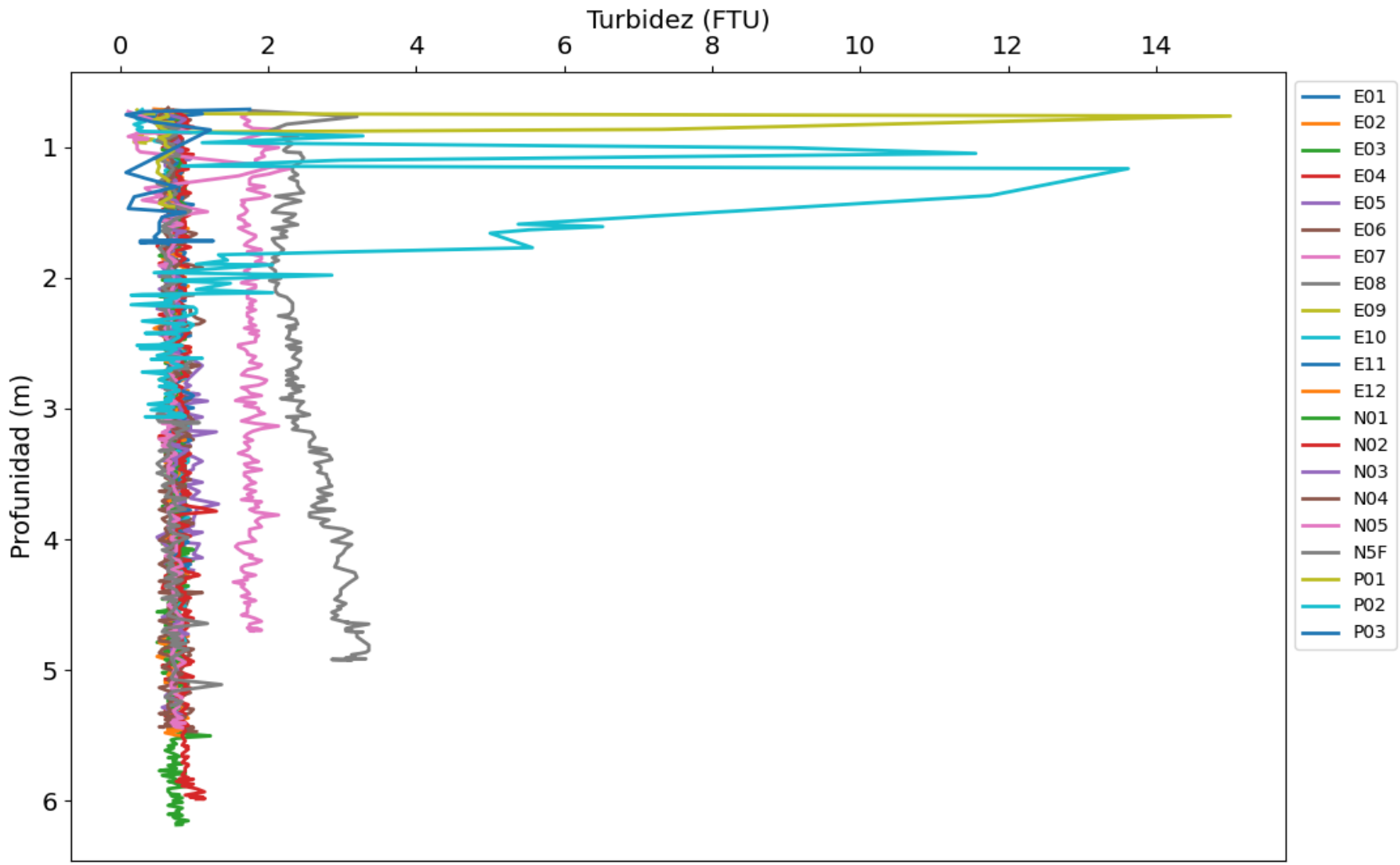
FICHA GENERAL DE MUESTREOS PARA OXÍGENO, TURBIDEZ, CLOROFILA Y TEMPERATURA **FECHA: 20250205**

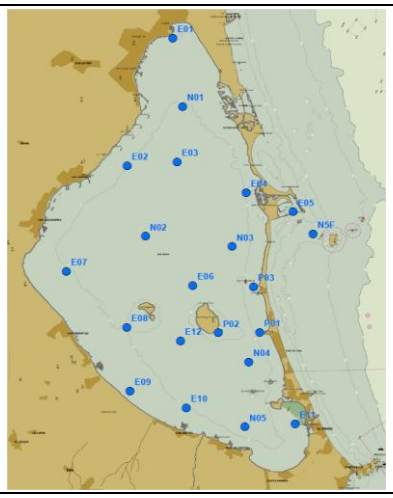


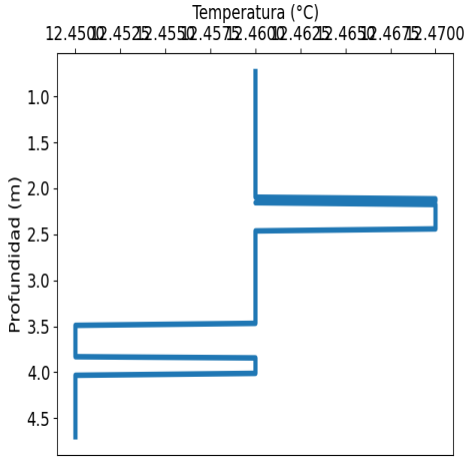

Clorofila a (mg/m3)
1
2
3
4
Profunidad (m)
1
2
3
4
5
6
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

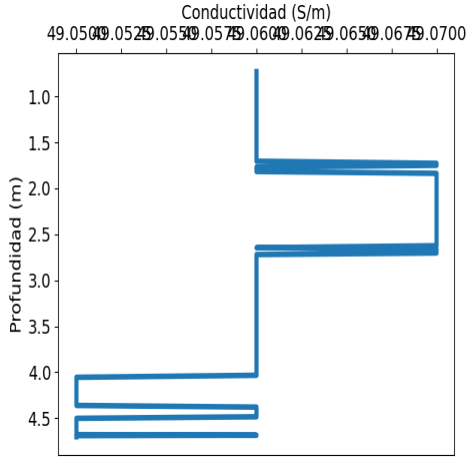

Temperatura (°C)
12.5
13.0
13.5
14.0
14.5
Profunidad (m)
1
2
3
4
5
6
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

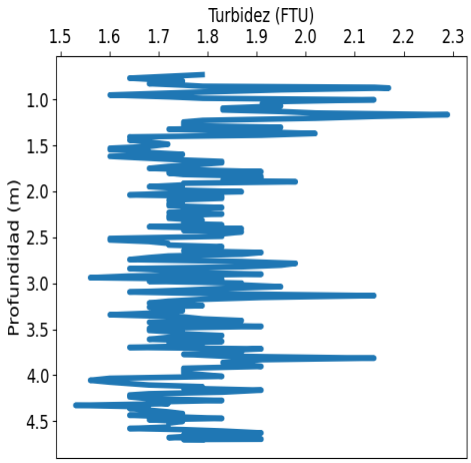

Turbidez (FTU)
0
2
4
6
8
10
12
14
Profunidad (m)
1
2
3
4
5
6
E01
E02
E03
E04
E05
E06
E07
E08
E09
E10
E11
E12
N01
N02
N03
N04
N05
N5F
P01
P02
P03

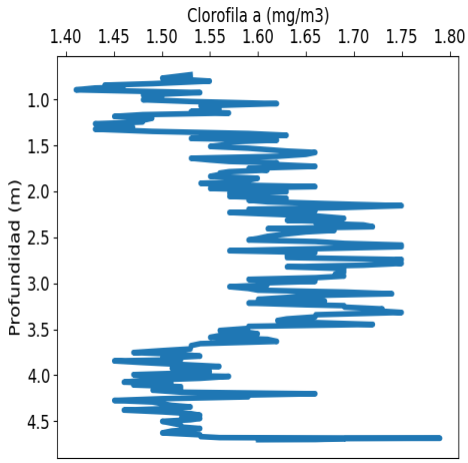
Nombre: CTD E07 - Punto 001 **Fecha: 05/02/2025** **Hora: 08:02:14**

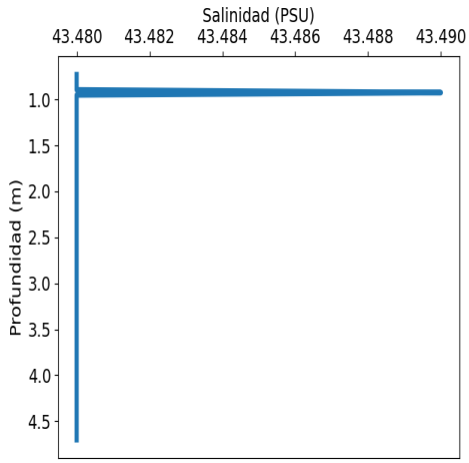


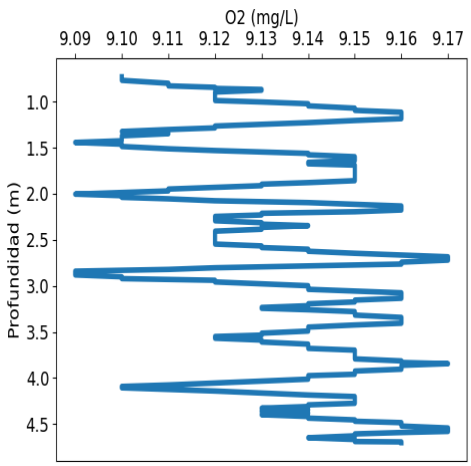


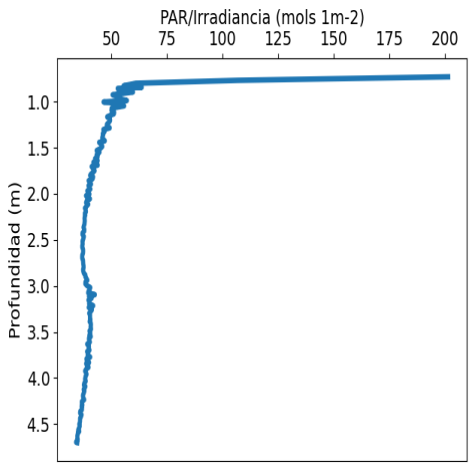












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.45	49.05	1.53	9.09	34.13	1.41	43.48
PROF (metros)	3.49	4.055	4.327	1.443	4.696	0.896	0.731
MÁXIMO	12.47	12.47	2.29	9.17	201.43	1.79	43.49
PROF (metros)	2.114	1.728	1.166	2.684	0.731	4.685	0.926

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E07 - Punto 001	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.46	49.06	1.81	9.12	71.33	1.48	43.48
1 - 2m	12.46	49.06	1.81	9.13	45.06	1.56	43.48
2 - 3m	12.46	49.07	1.77	9.13	37.96	1.65	43.48
3 - 4m	12.46	49.06	1.79	9.15	39.98	1.59	43.48
4 - 5m	12.45	49.05	1.73	9.14	36.21	1.54	43.48

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.731	12.46	49.06	1.79	9.1	201.43	1.53	43.48
0.769	12.46	49.06	1.64	9.1	107.01	1.5	43.48
0.801	12.46	49.06	1.75	9.11	60.99	1.55	43.48
0.829	12.46	49.06	1.68	9.11	55.5	1.49	43.48
0.845	12.46	49.06	1.75	9.12	63.69	1.44	43.48
0.857	12.46	49.06	1.79	9.12	52.86	1.45	43.48
0.868	12.46	49.06	2.14	9.13	53.12	1.46	43.48
0.876	12.46	49.06	2.17	9.13	57.57	1.43	43.48
0.896	12.46	49.06	1.95	9.12	59.77	1.41	43.48
0.926	12.46	49.06	1.75	9.12	50.54	1.54	43.49
0.952	12.46	49.06	1.6	9.12	53.69	1.48	43.48
0.972	12.46	49.06	1.72	9.12	54.15	1.5	43.48
0.988	12.46	49.06	1.79	9.12	57.02	1.5	43.48
1.004	12.46	49.06	2.14	9.13	46.49	1.48	43.48
1.023	12.46	49.06	1.95	9.14	55.09	1.53	43.48
1.046	12.46	49.06	1.91	9.14	55.79	1.62	43.48
1.071	12.46	49.06	1.95	9.15	50.16	1.54	43.48
1.095	12.46	49.06	1.83	9.15	50.05	1.56	43.48
1.115	12.46	49.06	1.83	9.16	51.29	1.56	43.48
1.132	12.46	49.06	1.95	9.16	51.2	1.53	43.48
1.148	12.46	49.06	2.02	9.16	49.65	1.57	43.48
1.166	12.46	49.06	2.29	9.16	48.11	1.48	43.48
1.185	12.46	49.06	2.14	9.16	49.39	1.45	43.48
1.205	12.46	49.06	2.02	9.15	49.46	1.49	43.48
1.228	12.46	49.06	1.79	9.14	48.82	1.48	43.48
1.246	12.46	49.06	1.75	9.13	48.0	1.48	43.48
1.265	12.46	49.06	1.75	9.12	47.96	1.43	43.48
1.285	12.46	49.06	1.75	9.12	49.29	1.45	43.48
1.303	12.46	49.06	1.95	9.11	46.4	1.47	43.48
1.324	12.46	49.06	1.72	9.1	47.0	1.43	43.48
1.348	12.46	49.06	1.87	9.11	46.15	1.49	43.48
1.371	12.46	49.06	2.02	9.1	46.24	1.59	43.48
1.39	12.46	49.06	1.91	9.1	45.93	1.63	43.48
1.408	12.46	49.06	1.64	9.1	46.11	1.56	43.48
1.425	12.46	49.06	1.68	9.1	47.09	1.53	43.48
1.443	12.46	49.06	1.64	9.09	44.51	1.62	43.48
1.462	12.46	49.06	1.68	9.1	45.54	1.57	43.48

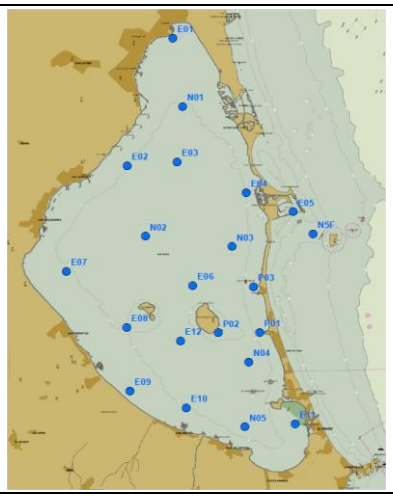
1.487	12.46	49.06	1.72	9.1	45.96	1.57	43.48
1.512	12.46	49.06	1.68	9.11	44.88	1.55	43.48
1.531	12.46	49.06	1.6	9.12	43.4	1.59	43.48
1.547	12.46	49.06	1.6	9.13	44.72	1.61	43.48
1.562	12.46	49.06	1.68	9.14	44.23	1.63	43.48
1.577	12.46	49.06	1.68	9.14	43.37	1.66	43.48
1.598	12.46	49.06	1.75	9.15	43.85	1.65	43.48
1.619	12.46	49.06	1.6	9.15	42.65	1.62	43.48
1.64	12.46	49.06	1.68	9.15	43.87	1.53	43.48
1.659	12.46	49.06	1.75	9.14	41.92	1.55	43.48
1.675	12.46	49.06	1.83	9.14	42.35	1.57	43.48
1.689	12.46	49.06	1.83	9.15	43.89	1.62	43.48
1.705	12.46	49.06	1.79	9.15	41.12	1.61	43.48
1.728	12.46	49.07	1.72	9.15	41.81	1.66	43.48
1.75	12.46	49.07	1.68	9.15	42.5	1.59	43.48
1.769	12.46	49.06	1.79	9.15	41.69	1.61	43.48
1.786	12.46	49.06	1.91	9.15	40.86	1.57	43.48
1.801	12.46	49.06	1.72	9.15	40.47	1.56	43.48
1.817	12.46	49.06	1.75	9.15	41.84	1.56	43.48
1.837	12.46	49.07	1.91	9.15	41.6	1.55	43.48
1.858	12.46	49.07	1.91	9.15	39.76	1.6	43.48
1.879	12.46	49.07	1.83	9.14	40.69	1.59	43.48
1.896	12.46	49.07	1.98	9.13	40.87	1.59	43.48
1.912	12.46	49.07	1.75	9.13	39.71	1.54	43.48
1.93	12.46	49.07	1.75	9.12	39.99	1.57	43.48
1.949	12.46	49.07	1.68	9.11	40.6	1.66	43.48
1.969	12.46	49.07	1.75	9.11	39.2	1.55	43.48
1.987	12.46	49.07	1.75	9.1	39.78	1.62	43.48
2.004	12.46	49.07	1.87	9.09	40.19	1.63	43.48
2.021	12.46	49.07	1.72	9.1	38.59	1.57	43.48
2.039	12.46	49.07	1.64	9.1	39.32	1.61	43.48
2.055	12.46	49.07	1.83	9.11	40.43	1.57	43.48
2.076	12.46	49.07	1.83	9.12	38.95	1.63	43.48
2.096	12.46	49.07	1.72	9.14	38.63	1.59	43.48
2.114	12.47	49.07	1.75	9.15	39.62	1.61	43.48
2.133	12.47	49.07	1.72	9.16	38.94	1.67	43.48
2.156	12.46	49.07	1.72	9.16	38.12	1.75	43.48
2.176	12.47	49.07	1.83	9.16	38.49	1.69	43.48
2.195	12.47	49.07	1.75	9.15	38.59	1.59	43.48
2.212	12.47	49.07	1.79	9.13	38.09	1.66	43.48
2.23	12.47	49.07	1.72	9.13	38.27	1.57	43.48
2.246	12.47	49.07	1.83	9.12	38.09	1.61	43.48
2.267	12.47	49.07	1.72	9.12	37.97	1.66	43.48
2.293	12.47	49.07	1.72	9.12	38.05	1.69	43.48
2.314	12.47	49.07	1.79	9.13	37.96	1.63	43.48
2.33	12.47	49.07	1.75	9.13	37.91	1.68	43.48
2.346	12.47	49.07	1.75	9.14	37.73	1.66	43.48
2.365	12.47	49.07	1.83	9.13	37.48	1.71	43.48
2.385	12.47	49.07	1.68	9.13	37.84	1.72	43.48
2.406	12.47	49.07	1.87	9.12	37.82	1.61	43.48
2.424	12.47	49.07	1.75	9.12	37.08	1.68	43.48
2.441	12.47	49.07	1.87	9.12	37.01	1.65	43.48
2.463	12.46	49.07	1.83	9.12	37.67	1.63	43.48
2.489	12.46	49.07	1.83	9.12	37.41	1.61	43.48
2.512	12.46	49.07	1.6	9.12	37.04	1.6	43.48
2.529	12.46	49.07	1.6	9.12	37.08	1.59	43.48
2.546	12.46	49.07	1.68	9.12	37.1	1.66	43.48
2.566	12.46	49.07	1.72	9.13	36.94	1.69	43.48

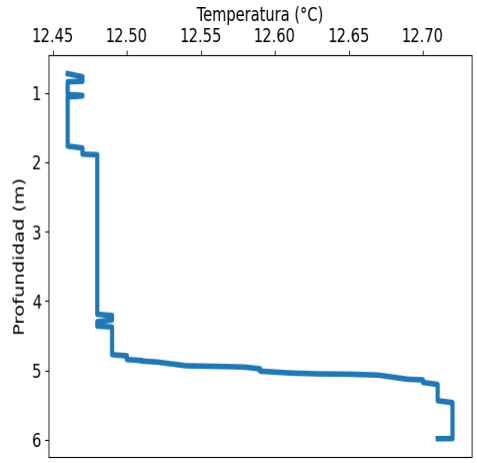
2.584	12.46	49.07	1.72	9.13	36.96	1.75	43.48
2.602	12.46	49.07	1.83	9.14	37.29	1.75	43.48
2.624	12.46	49.07	1.79	9.14	37.33	1.66	43.48
2.646	12.46	49.06	1.75	9.15	37.26	1.57	43.48
2.665	12.46	49.07	1.91	9.16	36.94	1.66	43.48
2.684	12.46	49.07	1.87	9.17	36.9	1.63	43.48
2.703	12.46	49.07	1.72	9.17	36.93	1.63	43.48
2.72	12.46	49.06	1.68	9.17	37.27	1.63	43.48
2.742	12.46	49.06	1.64	9.16	37.31	1.75	43.48
2.763	12.46	49.06	1.87	9.16	37.37	1.73	43.48
2.783	12.46	49.06	1.98	9.14	37.51	1.75	43.48
2.803	12.46	49.06	1.95	9.12	37.53	1.71	43.48
2.821	12.46	49.06	1.87	9.11	37.29	1.63	43.48
2.84	12.46	49.06	1.64	9.09	37.37	1.69	43.48
2.86	12.46	49.06	1.72	9.09	37.62	1.69	43.48
2.881	12.46	49.06	1.75	9.09	38.31	1.69	43.48
2.901	12.46	49.06	1.91	9.1	38.33	1.68	43.48
2.921	12.46	49.06	1.64	9.1	38.84	1.69	43.48
2.939	12.46	49.06	1.56	9.12	39.24	1.66	43.48
2.957	12.46	49.06	1.83	9.12	38.37	1.59	43.48
2.978	12.46	49.06	1.68	9.13	38.32	1.66	43.48
2.998	12.46	49.06	1.87	9.14	39.14	1.6	43.48
3.018	12.46	49.06	1.87	9.14	40.57	1.61	43.48
3.037	12.46	49.06	1.95	9.14	40.23	1.57	43.48
3.056	12.46	49.06	1.83	9.15	39.79	1.59	43.48
3.075	12.46	49.06	1.75	9.16	39.56	1.6	43.48
3.095	12.46	49.06	1.64	9.16	42.61	1.69	43.48
3.114	12.46	49.06	1.83	9.16	39.9	1.74	43.48
3.134	12.46	49.06	2.14	9.16	41.14	1.65	43.48
3.154	12.46	49.06	1.91	9.15	39.7	1.63	43.48
3.174	12.46	49.06	1.79	9.15	40.16	1.6	43.48
3.194	12.46	49.06	1.72	9.14	39.97	1.67	43.48
3.215	12.46	49.06	1.68	9.14	41.88	1.59	43.48
3.234	12.46	49.06	1.75	9.13	39.81	1.65	43.48
3.243	12.46	49.06	1.79	9.13	40.61	1.69	43.48
3.259	12.46	49.06	1.68	9.14	41.29	1.69	43.48
3.279	12.46	49.06	1.72	9.15	40.7	1.73	43.48
3.297	12.46	49.06	1.75	9.15	40.02	1.72	43.48
3.317	12.46	49.06	1.72	9.15	40.45	1.75	43.48
3.342	12.46	49.06	1.6	9.16	40.41	1.66	43.48
3.365	12.46	49.06	1.75	9.16	40.6	1.66	43.48
3.387	12.46	49.06	1.79	9.16	40.24	1.63	43.48
3.405	12.46	49.06	1.87	9.16	40.76	1.62	43.48
3.424	12.46	49.06	1.68	9.15	40.82	1.65	43.48
3.447	12.46	49.06	1.72	9.14	40.65	1.72	43.48
3.468	12.46	49.06	1.91	9.14	40.89	1.59	43.48
3.49	12.45	49.06	1.68	9.14	40.17	1.59	43.48
3.513	12.45	49.06	1.68	9.13	40.56	1.56	43.48
3.534	12.45	49.06	1.75	9.13	40.12	1.59	43.48
3.549	12.45	49.06	1.75	9.12	40.77	1.6	43.48
3.568	12.45	49.06	1.83	9.12	39.91	1.56	43.48
3.588	12.45	49.06	1.72	9.13	39.96	1.55	43.48
3.609	12.45	49.06	1.68	9.13	40.39	1.61	43.48
3.632	12.45	49.06	1.83	9.14	39.14	1.62	43.48
3.656	12.45	49.06	1.72	9.14	39.96	1.54	43.48
3.678	12.45	49.06	1.79	9.14	39.82	1.53	43.48
3.697	12.45	49.06	1.64	9.15	40.21	1.53	43.48
3.713	12.45	49.06	1.91	9.15	39.1	1.53	43.48

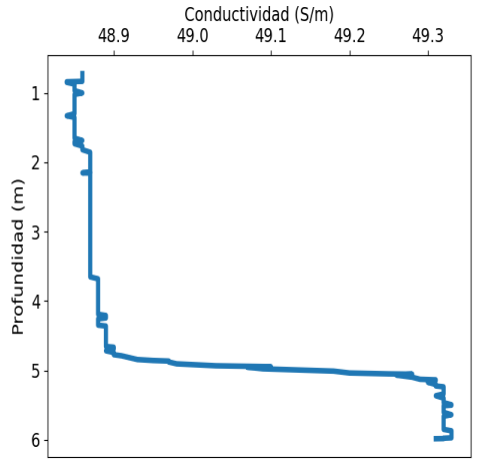
3.732	12.45	49.06	1.83	9.15	39.63	1.5	43.48
3.753	12.45	49.06	1.87	9.15	39.33	1.47	43.48
3.772	12.45	49.06	1.75	9.15	40.54	1.52	43.48
3.792	12.45	49.06	1.83	9.15	38.79	1.54	43.48
3.814	12.45	49.06	2.14	9.16	38.98	1.5	43.48
3.831	12.45	49.06	1.91	9.16	40.02	1.52	43.48
3.844	12.46	49.06	1.87	9.17	38.66	1.45	43.48
3.862	12.46	49.06	1.83	9.16	39.08	1.48	43.48
3.883	12.46	49.06	1.87	9.16	39.77	1.52	43.48
3.904	12.46	49.06	1.91	9.16	38.65	1.56	43.48
3.924	12.46	49.06	1.75	9.15	38.2	1.51	43.48
3.942	12.46	49.06	1.75	9.15	38.61	1.54	43.48
3.959	12.46	49.06	1.75	9.15	38.89	1.55	43.48
3.974	12.46	49.06	1.75	9.14	38.51	1.53	43.48
3.993	12.46	49.06	1.79	9.14	38.34	1.47	43.48
4.012	12.46	49.06	1.83	9.14	38.19	1.57	43.48
4.033	12.45	49.06	1.6	9.13	38.5	1.54	43.48
4.055	12.45	49.05	1.56	9.12	37.87	1.48	43.48
4.075	12.45	49.05	1.6	9.11	37.68	1.46	43.48
4.091	12.45	49.05	1.64	9.1	38.34	1.51	43.48
4.106	12.45	49.05	1.68	9.1	38.02	1.47	43.48
4.124	12.45	49.05	1.79	9.11	37.56	1.52	43.48
4.141	12.45	49.05	1.75	9.12	37.89	1.52	43.48
4.162	12.45	49.05	1.91	9.13	37.62	1.49	43.48
4.184	12.45	49.05	1.83	9.14	37.25	1.52	43.48
4.201	12.45	49.05	1.68	9.15	37.25	1.66	43.48
4.215	12.45	49.05	1.64	9.15	37.42	1.59	43.48
4.235	12.45	49.05	1.64	9.15	37.82	1.59	43.48
4.255	12.45	49.05	1.68	9.15	36.73	1.5	43.48
4.274	12.45	49.05	1.83	9.15	36.77	1.45	43.48
4.291	12.45	49.05	1.68	9.14	36.98	1.49	43.48
4.309	12.45	49.05	1.72	9.14	36.64	1.5	43.48
4.327	12.45	49.05	1.53	9.13	36.8	1.51	43.48
4.344	12.45	49.05	1.68	9.14	36.76	1.53	43.48
4.361	12.45	49.05	1.64	9.13	36.03	1.51	43.48
4.379	12.45	49.06	1.68	9.14	35.93	1.46	43.48
4.398	12.45	49.06	1.72	9.13	36.62	1.5	43.48
4.417	12.45	49.06	1.75	9.14	36.37	1.53	43.48
4.435	12.45	49.06	1.64	9.14	35.95	1.54	43.48
4.454	12.45	49.06	1.75	9.15	35.92	1.52	43.48
4.469	12.45	49.06	1.83	9.15	35.93	1.54	43.48
4.484	12.45	49.06	1.68	9.16	35.81	1.53	43.48
4.501	12.45	49.05	1.75	9.16	35.59	1.5	43.48
4.521	12.45	49.05	1.72	9.16	35.81	1.51	43.48
4.542	12.45	49.05	1.72	9.17	35.45	1.52	43.48
4.563	12.45	49.05	1.72	9.17	35.13	1.52	43.48
4.579	12.45	49.05	1.64	9.17	35.57	1.54	43.48
4.591	12.45	49.05	1.75	9.16	35.02	1.53	43.48
4.606	12.45	49.05	1.83	9.15	34.92	1.51	43.48
4.627	12.45	49.05	1.91	9.15	34.71	1.5	43.48
4.648	12.45	49.05	1.75	9.14	34.74	1.54	43.48
4.667	12.45	49.05	1.75	9.15	34.89	1.54	43.48
4.678	12.45	49.05	1.72	9.15	34.68	1.56	43.48
4.685	12.45	49.06	1.87	9.15	34.32	1.79	43.48
4.689	12.45	49.05	1.75	9.15	34.37	1.69	43.48
4.693	12.45	49.05	1.91	9.16	34.44	1.69	43.48
4.696	12.45	49.05	1.91	9.16	34.13	1.67	43.48
4.699	12.45	49.05	1.75	9.16	34.28	1.66	43.48

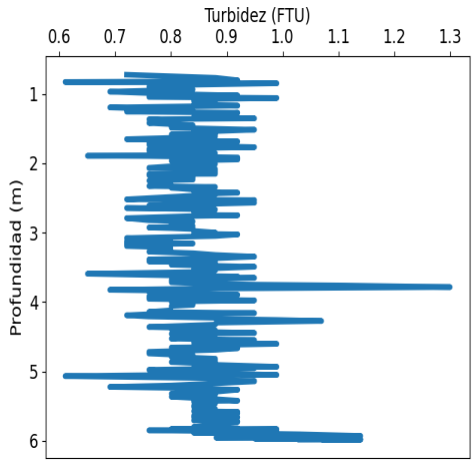
4.701	12.45	49.05	1.79	9.16	34.69	1.6	43.48

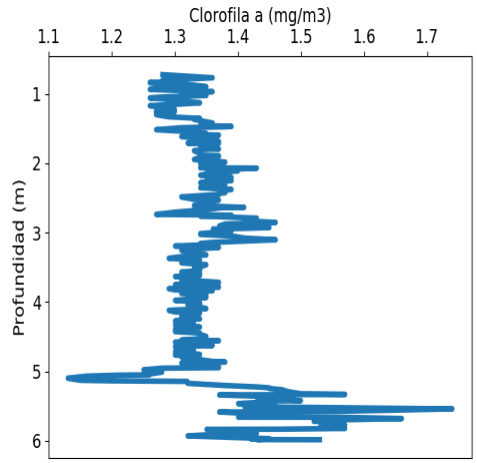
Nombre: CTD N02 - Punto 002 **Fecha: 05/02/2025** **Hora: 08:02:08**

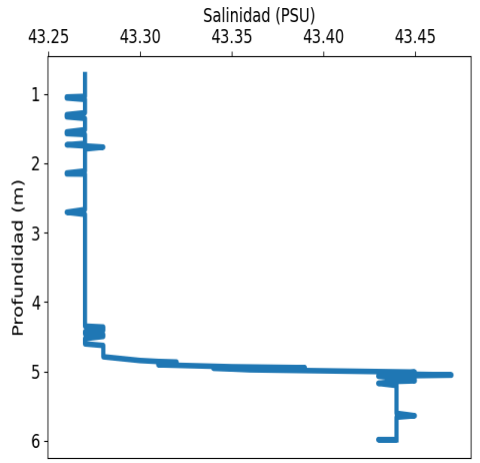


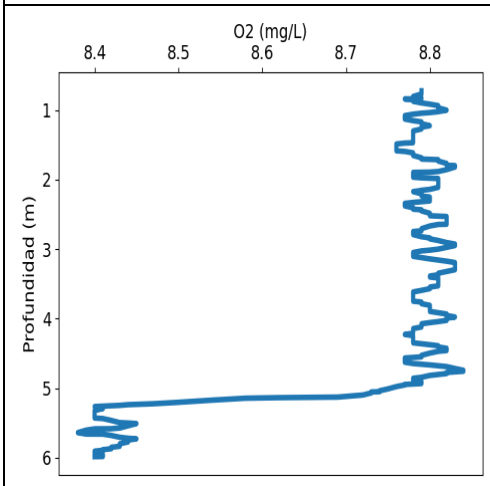


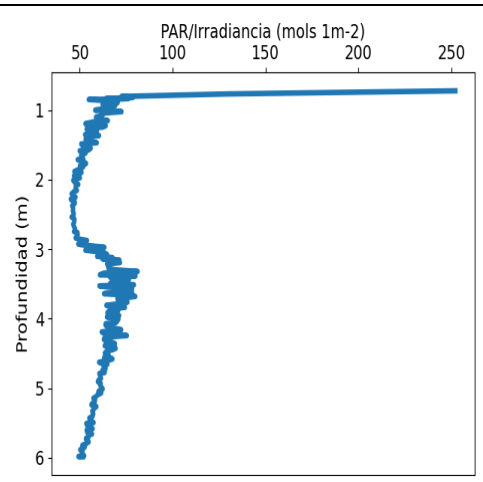












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.46	48.84	0.61	8.38	45.13	1.13	43.26
PROF (metros)	0.721	0.838	0.826	5.64	2.28	5.099	1.043
MÁXIMO	12.72	12.72	1.3	8.84	252.21	1.74	43.47
PROF (metros)	5.465	5.496	3.785	4.743	0.721	5.542	5.051

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N02 - Punto 002	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.46	48.85	0.82	8.79	84.45	1.3	43.27
1 - 2m	12.47	48.85	0.83	8.79	54.74	1.33	43.27
2 - 3m	12.48	48.87	0.83	8.8	48.13	1.37	43.27
3 - 4m	12.48	48.87	0.84	8.8	68.46	1.34	43.27
4 - 5m	12.5	48.91	0.85	8.79	64.82	1.33	43.28
5 - 6m	12.71	49.31	0.9	8.46	55.09	1.43	43.44

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.721	12.46	48.86	0.72	8.79	252.21	1.28	43.27
0.766	12.47	48.86	0.88	8.79	129.5	1.36	43.27
0.802	12.47	48.86	0.92	8.78	72.43	1.28	43.27
0.816	12.47	48.86	0.88	8.78	78.62	1.28	43.27
0.826	12.47	48.86	0.61	8.79	70.13	1.31	43.27
0.83	12.47	48.86	0.84	8.79	64.28	1.27	43.27
0.832	12.47	48.86	0.92	8.79	76.45	1.26	43.27
0.838	12.46	48.84	0.8	8.77	72.85	1.26	43.27
0.846	12.46	48.84	0.99	8.78	54.84	1.29	43.27
0.872	12.46	48.85	0.8	8.78	70.61	1.33	43.27
0.895	12.46	48.85	0.76	8.79	70.36	1.35	43.27
0.913	12.46	48.85	0.8	8.8	62.21	1.27	43.27
0.934	12.46	48.85	0.84	8.81	69.12	1.26	43.27
0.966	12.46	48.85	0.69	8.81	64.88	1.36	43.27
0.999	12.46	48.86	0.8	8.82	58.29	1.31	43.27
1.021	12.46	48.85	0.92	8.81	72.55	1.35	43.27
1.034	12.47	48.85	0.76	8.8	66.06	1.31	43.27
1.043	12.47	48.85	0.76	8.79	62.04	1.28	43.26
1.057	12.46	48.85	0.99	8.78	62.52	1.26	43.26
1.078	12.46	48.85	0.84	8.77	61.75	1.29	43.27
1.1	12.46	48.85	0.84	8.77	58.7	1.31	43.27
1.127	12.46	48.85	0.88	8.77	60.79	1.34	43.27
1.15	12.46	48.85	0.84	8.78	65.2	1.3	43.27
1.168	12.46	48.85	0.92	8.79	57.41	1.26	43.27
1.194	12.46	48.85	0.69	8.79	53.0	1.28	43.27
1.223	12.46	48.85	0.8	8.8	64.06	1.3	43.27
1.244	12.46	48.85	0.84	8.79	62.24	1.27	43.27
1.254	12.46	48.85	0.72	8.79	54.96	1.3	43.27
1.27	12.46	48.85	0.92	8.79	53.66	1.27	43.27
1.298	12.46	48.85	0.88	8.78	59.36	1.27	43.26
1.329	12.46	48.84	0.84	8.78	57.39	1.29	43.26
1.352	12.46	48.85	0.95	8.78	52.8	1.34	43.27
1.365	12.46	48.85	0.76	8.78	60.45	1.33	43.27
1.384	12.46	48.85	0.8	8.78	54.45	1.34	43.27
1.418	12.46	48.85	0.76	8.78	53.09	1.36	43.27
1.451	12.46	48.85	0.84	8.78	56.57	1.34	43.27

1.468	12.46	48.85	0.8	8.78	59.26	1.39	43.27
1.473	12.46	48.85	0.8	8.77	56.92	1.38	43.27
1.486	12.46	48.85	0.8	8.76	50.76	1.31	43.27
1.515	12.46	48.85	0.95	8.76	51.88	1.27	43.27
1.547	12.46	48.85	0.84	8.76	55.97	1.33	43.26
1.571	12.46	48.85	0.88	8.76	54.86	1.35	43.26
1.584	12.46	48.85	0.8	8.76	49.91	1.33	43.27
1.593	12.46	48.85	0.88	8.77	50.48	1.37	43.27
1.614	12.46	48.85	0.88	8.78	53.29	1.31	43.27
1.651	12.46	48.85	0.72	8.78	50.66	1.35	43.27
1.685	12.46	48.86	0.92	8.79	51.36	1.37	43.27
1.703	12.46	48.85	0.76	8.79	52.01	1.36	43.27
1.708	12.46	48.85	0.88	8.8	49.74	1.32	43.27
1.712	12.46	48.85	0.84	8.81	48.84	1.37	43.27
1.732	12.46	48.85	0.76	8.81	51.59	1.34	43.26
1.766	12.46	48.86	0.95	8.82	53.48	1.34	43.28
1.793	12.47	48.86	0.76	8.82	52.06	1.37	43.27
1.797	12.47	48.86	0.76	8.83	50.07	1.35	43.27
1.818	12.47	48.86	0.76	8.83	51.85	1.33	43.27
1.855	12.47	48.87	0.88	8.82	49.17	1.34	43.27
1.882	12.47	48.87	0.8	8.81	47.05	1.34	43.27
1.891	12.48	48.87	0.65	8.8	48.5	1.37	43.27
1.895	12.48	48.87	0.76	8.78	51.05	1.37	43.27
1.915	12.48	48.87	0.92	8.78	48.44	1.34	43.27
1.945	12.48	48.87	0.92	8.78	46.86	1.33	43.27
1.964	12.48	48.87	0.8	8.78	48.25	1.35	43.27
1.973	12.48	48.87	0.84	8.79	50.18	1.37	43.27
1.983	12.48	48.87	0.84	8.81	48.58	1.38	43.27
2.009	12.48	48.87	0.88	8.81	46.44	1.34	43.27
2.042	12.48	48.87	0.8	8.81	47.55	1.35	43.27
2.064	12.48	48.87	0.76	8.81	49.13	1.34	43.27
2.069	12.48	48.87	0.76	8.81	49.31	1.43	43.27
2.081	12.48	48.87	0.88	8.81	47.9	1.4	43.27
2.11	12.48	48.87	0.88	8.81	47.72	1.4	43.27
2.139	12.48	48.87	0.88	8.8	47.88	1.35	43.26
2.152	12.48	48.86	0.88	8.79	48.3	1.37	43.26
2.155	12.48	48.87	0.76	8.79	48.56	1.35	43.27
2.171	12.48	48.87	0.76	8.78	46.89	1.34	43.27
2.203	12.48	48.87	0.84	8.79	45.58	1.39	43.27
2.234	12.48	48.87	0.84	8.79	46.49	1.35	43.27
2.25	12.48	48.87	0.76	8.8	47.81	1.39	43.27
2.26	12.48	48.87	0.8	8.8	47.49	1.36	43.27
2.28	12.48	48.87	0.8	8.8	45.13	1.34	43.27
2.306	12.48	48.87	0.8	8.8	46.24	1.38	43.27
2.327	12.48	48.87	0.76	8.78	47.44	1.38	43.27
2.341	12.48	48.87	0.88	8.77	47.36	1.37	43.27
2.352	12.48	48.87	0.8	8.77	46.62	1.34	43.27
2.377	12.48	48.87	0.84	8.77	45.85	1.39	43.27
2.405	12.48	48.87	0.84	8.78	46.54	1.37	43.27
2.424	12.48	48.87	0.92	8.78	46.4	1.38	43.27
2.433	12.48	48.87	0.88	8.79	46.47	1.37	43.27
2.449	12.48	48.87	0.88	8.79	46.2	1.37	43.27
2.484	12.48	48.87	0.8	8.8	46.84	1.31	43.27
2.519	12.48	48.87	0.72	8.8	46.64	1.33	43.27
2.53	12.48	48.87	0.95	8.82	46.56	1.37	43.27
2.537	12.48	48.87	0.92	8.82	45.57	1.34	43.27
2.568	12.48	48.87	0.95	8.82	47.2	1.36	43.27
2.608	12.48	48.87	0.76	8.82	47.12	1.33	43.27

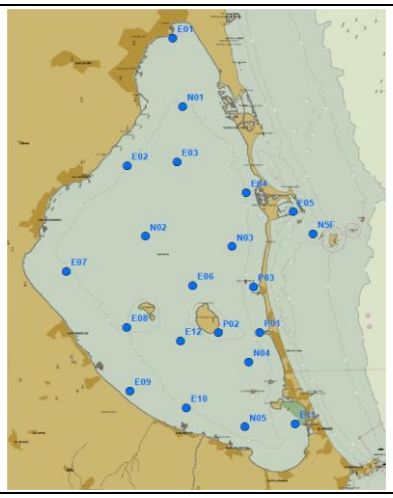
2.635	12.48	48.87	0.84	8.82	46.66	1.41	43.27
2.641	12.48	48.87	0.84	8.82	46.4	1.37	43.27
2.644	12.48	48.87	0.72	8.81	46.42	1.37	43.27
2.666	12.48	48.87	0.88	8.8	46.78	1.35	43.27
2.705	12.48	48.87	0.84	8.79	47.5	1.3	43.26
2.736	12.48	48.87	0.88	8.79	47.61	1.27	43.27
2.746	12.48	48.87	0.88	8.78	46.88	1.37	43.27
2.748	12.48	48.87	0.92	8.78	46.97	1.39	43.27
2.76	12.48	48.87	0.84	8.78	48.82	1.34	43.27
2.79	12.48	48.87	0.72	8.78	48.98	1.43	43.27
2.821	12.48	48.87	0.76	8.79	48.3	1.41	43.27
2.838	12.48	48.87	0.84	8.8	47.71	1.43	43.27
2.852	12.48	48.87	0.8	8.8	49.13	1.46	43.27
2.875	12.48	48.87	0.8	8.81	53.97	1.38	43.27
2.905	12.48	48.87	0.84	8.82	51.3	1.37	43.27
2.926	12.48	48.87	0.76	8.83	49.15	1.45	43.27
2.935	12.48	48.87	0.8	8.83	50.66	1.42	43.27
2.948	12.48	48.87	0.84	8.83	54.96	1.36	43.27
2.974	12.48	48.87	0.84	8.82	63.33	1.39	43.27
2.999	12.48	48.87	0.88	8.81	53.62	1.36	43.27
3.014	12.48	48.87	0.84	8.8	52.98	1.34	43.27
3.025	12.48	48.87	0.92	8.79	56.34	1.34	43.27
3.048	12.48	48.87	0.88	8.78	63.07	1.39	43.27
3.078	12.48	48.87	0.72	8.78	64.82	1.41	43.27
3.103	12.48	48.87	0.8	8.78	59.33	1.46	43.27
3.122	12.48	48.87	0.72	8.79	67.71	1.41	43.27
3.14	12.48	48.87	0.72	8.8	62.2	1.36	43.27
3.156	12.48	48.87	0.84	8.81	71.36	1.34	43.27
3.173	12.48	48.87	0.72	8.82	71.23	1.35	43.27
3.193	12.48	48.87	0.72	8.83	71.73	1.3	43.27
3.212	12.48	48.87	0.8	8.83	64.64	1.37	43.27
3.232	12.48	48.87	0.8	8.83	66.25	1.34	43.27
3.254	12.48	48.87	0.8	8.83	65.27	1.31	43.27
3.274	12.48	48.87	0.76	8.83	65.41	1.33	43.27
3.296	12.48	48.87	0.84	8.83	68.61	1.33	43.27
3.321	12.48	48.87	0.88	8.82	81.2	1.35	43.27
3.346	12.48	48.87	0.95	8.81	62.94	1.31	43.27
3.369	12.48	48.87	0.88	8.81	60.76	1.29	43.27
3.386	12.48	48.87	0.76	8.8	80.06	1.32	43.27
3.401	12.48	48.87	0.88	8.8	66.29	1.34	43.27
3.414	12.48	48.87	0.76	8.81	66.86	1.32	43.27
3.435	12.48	48.87	0.88	8.81	76.56	1.31	43.27
3.463	12.48	48.87	0.8	8.81	69.79	1.35	43.27
3.492	12.48	48.87	0.95	8.81	66.37	1.34	43.27
3.513	12.48	48.87	0.88	8.81	79.26	1.33	43.27
3.528	12.48	48.87	0.84	8.81	60.54	1.34	43.27
3.545	12.48	48.87	0.88	8.8	65.36	1.34	43.27
3.568	12.48	48.87	0.84	8.8	78.21	1.31	43.27
3.593	12.48	48.87	0.65	8.79	70.36	1.34	43.27
3.616	12.48	48.87	0.8	8.78	78.24	1.34	43.27
3.632	12.48	48.87	0.92	8.78	65.21	1.3	43.27
3.641	12.48	48.87	0.84	8.78	63.07	1.32	43.27
3.652	12.48	48.87	0.95	8.78	69.46	1.33	43.27
3.68	12.48	48.88	0.8	8.78	79.95	1.31	43.27
3.716	12.48	48.88	0.8	8.78	70.23	1.37	43.27
3.739	12.48	48.88	0.88	8.78	71.05	1.35	43.27
3.749	12.48	48.88	0.95	8.78	71.66	1.3	43.27
3.761	12.48	48.88	1.11	8.79	75.78	1.32	43.27

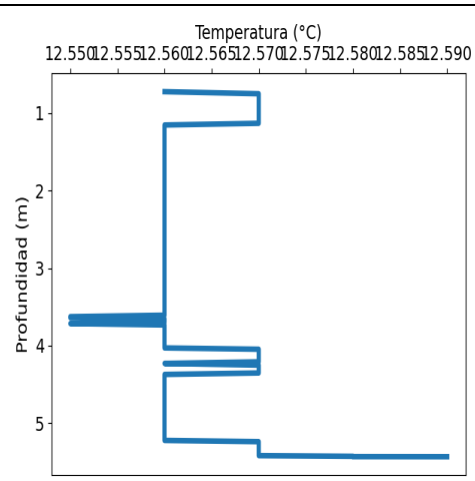
3.785	12.48	48.88	1.3	8.79	71.31	1.37	43.27
3.808	12.48	48.88	0.84	8.8	64.27	1.29	43.27
3.825	12.48	48.88	0.69	8.8	66.6	1.3	43.27
3.837	12.48	48.88	0.8	8.8	74.4	1.36	43.27
3.854	12.48	48.88	0.76	8.8	68.53	1.32	43.27
3.875	12.48	48.88	0.8	8.8	70.85	1.31	43.27
3.896	12.48	48.88	0.92	8.8	65.58	1.35	43.27
3.915	12.48	48.88	0.76	8.81	64.83	1.32	43.27
3.934	12.48	48.88	0.76	8.82	70.41	1.35	43.27
3.955	12.48	48.88	0.76	8.82	71.3	1.33	43.27
3.976	12.48	48.88	0.95	8.83	64.59	1.3	43.27
3.994	12.48	48.88	0.8	8.82	70.02	1.33	43.27
4.009	12.48	48.88	0.84	8.82	70.9	1.34	43.27
4.025	12.48	48.88	0.84	8.82	68.78	1.34	43.27
4.042	12.48	48.88	0.84	8.81	70.15	1.32	43.27
4.057	12.48	48.88	0.8	8.8	69.36	1.32	43.27
4.074	12.48	48.88	0.8	8.79	63.86	1.34	43.27
4.095	12.48	48.88	0.8	8.79	63.85	1.35	43.27
4.12	12.48	48.88	0.8	8.79	65.33	1.29	43.27
4.143	12.48	48.88	0.76	8.78	69.33	1.3	43.27
4.16	12.48	48.88	0.95	8.78	72.41	1.34	43.27
4.176	12.48	48.88	0.76	8.78	67.46	1.31	43.27
4.191	12.48	48.88	0.72	8.78	61.78	1.32	43.27
4.209	12.49	48.89	0.76	8.78	63.04	1.31	43.27
4.228	12.49	48.89	0.88	8.77	70.28	1.32	43.27
4.244	12.49	48.89	0.88	8.78	75.43	1.34	43.27
4.258	12.49	48.88	0.99	8.78	68.27	1.31	43.27
4.274	12.49	48.88	1.07	8.78	63.41	1.3	43.27
4.298	12.48	48.88	0.88	8.78	62.94	1.33	43.27
4.325	12.48	48.88	0.88	8.78	64.98	1.3	43.27
4.348	12.48	48.88	0.8	8.78	68.13	1.33	43.27
4.361	12.48	48.89	0.76	8.79	69.07	1.34	43.28
4.375	12.49	48.89	0.84	8.8	63.76	1.33	43.28
4.39	12.49	48.89	0.8	8.81	63.38	1.3	43.28
4.408	12.49	48.89	0.88	8.81	67.56	1.3	43.28
4.427	12.49	48.89	0.84	8.82	69.41	1.3	43.27
4.447	12.49	48.89	0.95	8.82	67.74	1.34	43.27
4.459	12.49	48.89	0.8	8.82	65.99	1.34	43.27
4.47	12.49	48.89	0.88	8.81	64.38	1.34	43.28
4.496	12.49	48.89	0.84	8.8	63.47	1.35	43.28
4.528	12.49	48.89	0.8	8.79	65.6	1.34	43.27
4.55	12.49	48.89	0.95	8.79	64.34	1.31	43.27
4.558	12.49	48.89	0.88	8.78	63.11	1.37	43.27
4.566	12.49	48.89	0.92	8.77	66.71	1.32	43.27
4.58	12.49	48.89	0.84	8.77	67.69	1.3	43.27
4.604	12.49	48.89	0.99	8.77	64.88	1.32	43.27
4.627	12.49	48.89	0.84	8.77	60.34	1.36	43.28
4.646	12.49	48.89	0.92	8.78	62.18	1.3	43.28
4.656	12.49	48.89	0.8	8.79	64.96	1.33	43.28
4.666	12.49	48.9	0.92	8.8	63.06	1.32	43.28
4.69	12.49	48.9	0.88	8.82	62.82	1.33	43.28
4.718	12.49	48.89	0.76	8.83	63.97	1.3	43.28
4.743	12.49	48.9	0.76	8.84	62.16	1.33	43.28
4.757	12.49	48.9	0.8	8.84	62.17	1.34	43.28
4.765	12.49	48.9	0.84	8.83	63.5	1.3	43.28
4.774	12.49	48.9	0.84	8.82	63.52	1.32	43.28
4.79	12.5	48.91	0.8	8.82	60.48	1.31	43.28
4.817	12.5	48.92	0.88	8.8	60.93	1.33	43.29

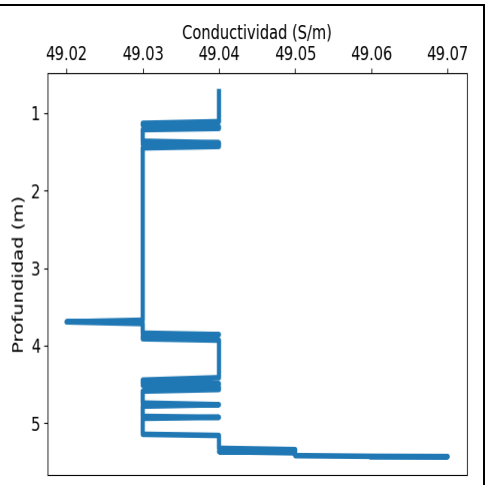
4.844	12.5	48.93	0.88	8.79	61.26	1.35	43.3
4.858	12.51	48.95	0.88	8.78	61.55	1.36	43.31
4.866	12.51	48.97	0.8	8.78	60.99	1.38	43.32
4.879	12.52	48.97	0.84	8.78	60.28	1.31	43.32
4.906	12.53	48.98	0.88	8.79	59.71	1.36	43.31
4.934	12.54	49.03	0.99	8.79	61.4	1.37	43.35
4.947	12.57	49.1	0.84	8.77	60.82	1.37	43.39
4.954	12.58	49.07	0.95	8.77	60.97	1.28	43.34
4.978	12.59	49.09	0.76	8.76	61.48	1.25	43.36
5.011	12.59	49.18	0.8	8.75	62.42	1.28	43.45
5.038	12.61	49.2	0.92	8.74	60.35	1.26	43.44
5.051	12.63	49.25	0.99	8.74	59.99	1.26	43.47
5.055	12.65	49.28	0.76	8.73	61.43	1.21	43.47
5.069	12.67	49.26	0.61	8.73	61.65	1.16	43.43
5.099	12.68	49.28	0.88	8.72	59.52	1.13	43.44
5.129	12.69	49.29	0.88	8.69	58.41	1.15	43.45
5.137	12.7	49.31	0.95	8.62	57.95	1.2	43.45
5.145	12.7	49.31	0.95	8.58	57.27	1.32	43.44
5.173	12.7	49.3	0.88	8.54	58.34	1.32	43.43
5.204	12.71	49.31	0.8	8.5	57.98	1.38	43.44
5.225	12.71	49.31	0.69	8.47	56.52	1.43	43.44
5.238	12.71	49.32	0.8	8.44	56.22	1.45	43.44
5.248	12.71	49.32	0.84	8.43	56.81	1.45	43.44
5.265	12.71	49.32	0.92	8.4	59.01	1.47	43.44
5.294	12.71	49.32	0.88	8.41	57.69	1.48	43.44
5.323	12.71	49.32	0.8	8.4	56.97	1.5	43.44
5.333	12.71	49.32	0.88	8.4	56.69	1.57	43.44
5.34	12.71	49.32	0.88	8.4	57.02	1.37	43.44
5.366	12.71	49.31	0.8	8.4	57.33	1.46	43.44
5.401	12.71	49.32	0.88	8.4	57.05	1.46	43.44
5.423	12.71	49.32	0.92	8.4	55.74	1.5	43.44
5.43	12.71	49.32	0.84	8.4	55.12	1.43	43.44
5.438	12.71	49.32	0.84	8.41	55.36	1.45	43.44
5.465	12.72	49.32	0.88	8.42	56.12	1.4	43.44
5.496	12.72	49.33	0.84	8.43	57.54	1.45	43.44
5.502	12.72	49.33	0.84	8.44	54.46	1.46	43.44
5.51	12.72	49.32	0.84	8.45	53.5	1.41	43.44
5.542	12.72	49.32	0.88	8.44	54.12	1.74	43.44
5.574	12.72	49.32	0.84	8.43	56.25	1.57	43.44
5.584	12.72	49.32	0.92	8.42	57.01	1.46	43.44
5.586	12.72	49.32	0.88	8.4	55.46	1.37	43.44
5.605	12.72	49.32	0.92	8.39	53.65	1.41	43.44
5.64	12.72	49.33	0.84	8.38	54.06	1.45	43.45
5.661	12.72	49.32	0.84	8.39	56.7	1.4	43.44
5.662	12.72	49.32	0.92	8.41	56.3	1.56	43.44
5.681	12.72	49.32	0.88	8.42	54.82	1.66	43.44
5.707	12.72	49.32	0.84	8.43	54.79	1.52	43.44
5.721	12.72	49.32	0.92	8.44	53.41	1.52	43.44
5.73	12.72	49.32	0.92	8.45	53.25	1.55	43.44
5.747	12.72	49.32	0.88	8.44	53.76	1.54	43.44
5.774	12.72	49.32	0.88	8.44	54.88	1.57	43.44
5.801	12.72	49.32	0.84	8.43	53.3	1.53	43.44
5.823	12.72	49.32	0.92	8.43	51.36	1.57	43.44
5.832	12.72	49.32	0.8	8.43	51.28	1.49	43.44
5.834	12.72	49.32	0.99	8.43	52.31	1.47	43.44
5.837	12.72	49.32	0.95	8.43	52.88	1.35	43.44
5.851	12.72	49.32	0.76	8.42	52.65	1.36	43.44
5.872	12.72	49.33	0.99	8.42	51.83	1.4	43.44

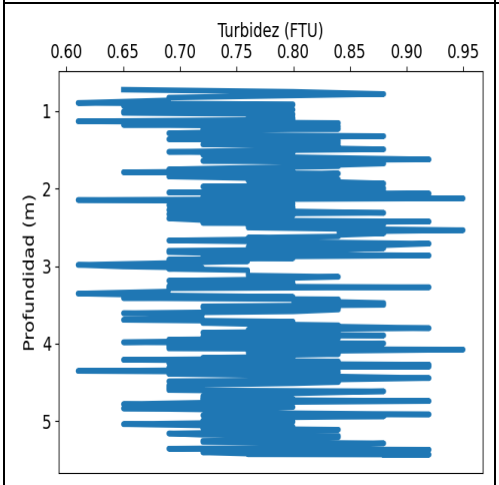
5.886	12.72	49.33	0.84	8.41	50.23	1.41	43.44
5.894	12.72	49.33	0.92	8.41	50.56	1.43	43.44
5.907	12.72	49.33	1.03	8.4	50.79	1.37	43.44
5.931	12.72	49.33	1.14	8.4	51.64	1.32	43.44
5.956	12.72	49.33	0.88	8.41	51.2	1.4	43.44
5.971	12.72	49.33	1.11	8.41	51.26	1.45	43.44
5.973	12.72	49.33	0.95	8.41	52.46	1.42	43.44
5.979	12.72	49.32	1.14	8.41	52.28	1.44	43.44
5.983	12.72	49.32	1.07	8.41	50.12	1.43	43.44
5.984	12.72	49.32	1.11	8.41	49.23	1.43	43.44
5.985	12.71	49.31	1.14	8.4	50.26	1.5	43.43
5.986	12.71	49.31	1.03	8.4	51.77	1.53	43.44

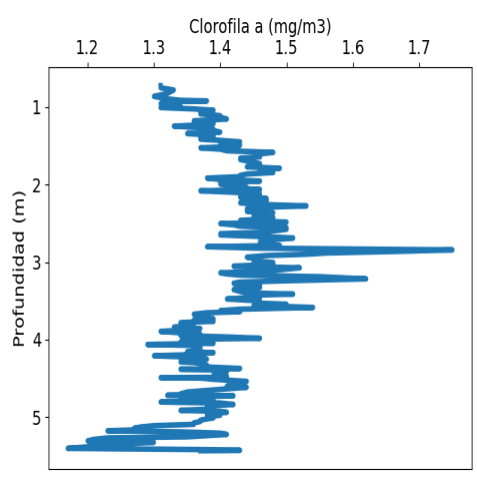
Nombre: CTD E02 - Punto 003 **Fecha: 05/02/2025** **Hora: 09:02:04**

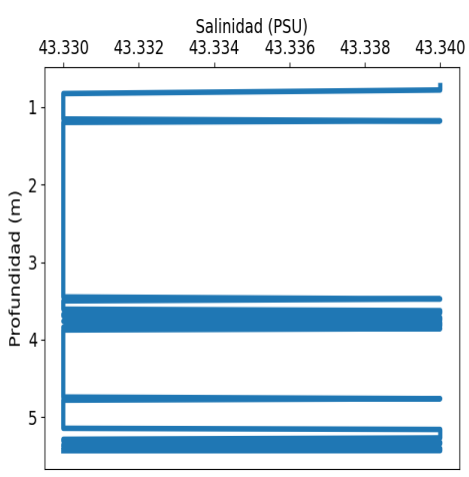


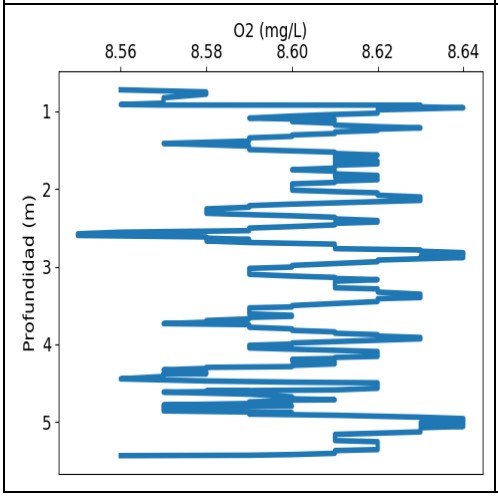


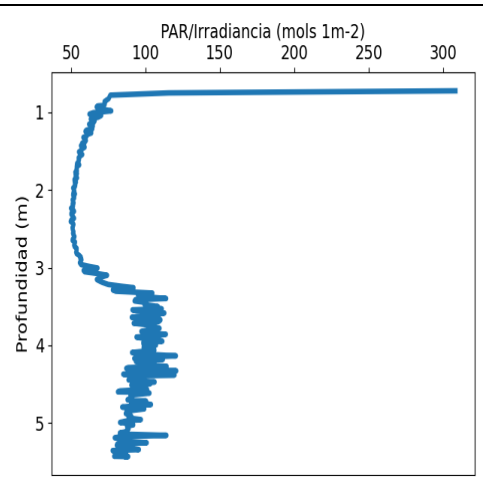


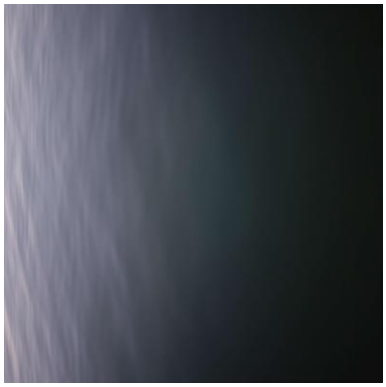












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.55	49.02	0.61	8.55	49.71	1.17	43.33
PROF (metros)	3.626	3.693	0.895	2.577	2.406	5.402	0.826
MÁXIMO	12.59	12.59	0.95	8.64	308.35	1.75	43.34
PROF (metros)	5.432	5.431	2.126	0.955	0.724	2.842	0.724

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E02 - Punto 003	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.57	49.04	0.73	8.59	95.36	1.33	43.33
1 - 2m	12.56	49.03	0.78	8.61	57.67	1.41	43.33
2 - 3m	12.56	49.03	0.79	8.6	52.5	1.47	43.33
3 - 4m	12.56	49.03	0.76	8.61	93.19	1.43	43.33
4 - 5m	12.56	49.04	0.77	8.6	95.89	1.38	43.33
5 - 6m	12.57	49.04	0.78	8.62	87.04	1.31	43.34

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.724	12.56	49.04	0.65	8.56	308.35	1.31	43.34
0.751	12.57	49.04	0.8	8.58	115.41	1.31	43.34
0.78	12.57	49.04	0.88	8.58	76.4	1.33	43.34
0.826	12.57	49.04	0.69	8.57	75.2	1.32	43.33
0.862	12.57	49.04	0.69	8.57	72.48	1.3	43.33
0.895	12.57	49.04	0.61	8.57	72.65	1.32	43.33
0.913	12.57	49.04	0.8	8.56	72.18	1.34	43.33
0.92	12.57	49.04	0.8	8.57	67.74	1.37	43.33
0.921	12.57	49.04	0.72	8.63	70.84	1.38	43.33
0.932	12.57	49.04	0.65	8.62	67.1	1.32	43.33
0.955	12.57	49.04	0.69	8.64	68.88	1.31	43.33
0.982	12.57	49.04	0.8	8.62	77.05	1.34	43.33
1.006	12.57	49.04	0.65	8.62	64.88	1.31	43.33
1.024	12.57	49.04	0.65	8.62	62.3	1.36	43.33
1.041	12.57	49.04	0.8	8.61	70.28	1.39	43.33
1.062	12.57	49.04	0.76	8.6	68.29	1.37	43.33
1.088	12.57	49.04	0.8	8.59	63.13	1.37	43.33
1.111	12.57	49.04	0.8	8.61	65.88	1.4	43.33
1.132	12.57	49.03	0.61	8.6	65.09	1.4	43.33
1.154	12.56	49.03	0.84	8.61	62.06	1.41	43.33
1.178	12.56	49.04	0.65	8.61	64.67	1.36	43.34
1.198	12.56	49.04	0.84	8.62	63.23	1.39	43.33
1.214	12.56	49.03	0.72	8.63	64.27	1.39	43.33
1.23	12.56	49.03	0.84	8.62	60.32	1.37	43.33
1.246	12.56	49.03	0.72	8.62	59.58	1.33	43.33
1.266	12.56	49.03	0.76	8.61	63.63	1.37	43.33
1.286	12.56	49.03	0.69	8.61	60.7	1.39	43.33
1.305	12.56	49.03	0.72	8.6	60.48	1.39	43.33
1.323	12.56	49.03	0.88	8.6	58.21	1.4	43.33
1.342	12.56	49.03	0.76	8.59	58.83	1.35	43.33
1.363	12.56	49.03	0.69	8.59	60.02	1.39	43.33
1.383	12.56	49.04	0.84	8.59	59.26	1.39	43.33
1.399	12.56	49.03	0.76	8.58	57.34	1.37	43.33
1.414	12.56	49.04	0.84	8.57	58.51	1.37	43.33
1.43	12.56	49.04	0.72	8.58	56.57	1.4	43.33
1.449	12.56	49.03	0.84	8.59	59.16	1.43	43.33

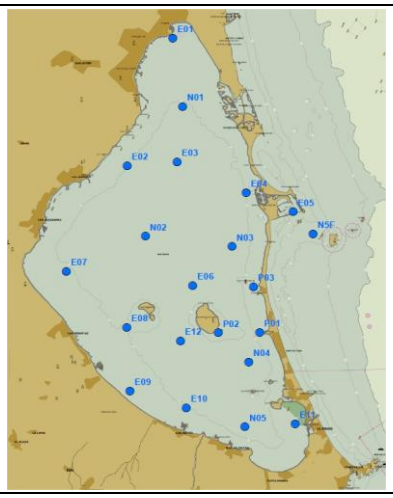
1.472	12.56	49.03	0.8	8.59	57.22	1.4	43.33
1.493	12.56	49.03	0.88	8.59	56.77	1.43	43.33
1.51	12.56	49.03	0.76	8.6	55.21	1.42	43.33
1.526	12.56	49.03	0.69	8.61	55.99	1.37	43.33
1.543	12.56	49.03	0.8	8.61	57.59	1.4	43.33
1.564	12.56	49.03	0.72	8.62	56.06	1.41	43.33
1.585	12.56	49.03	0.76	8.61	55.02	1.48	43.33
1.605	12.56	49.03	0.84	8.61	55.39	1.46	43.33
1.624	12.56	49.03	0.92	8.61	55.15	1.46	43.33
1.642	12.56	49.03	0.72	8.62	54.73	1.46	43.33
1.659	12.56	49.03	0.84	8.61	53.99	1.43	43.33
1.677	12.56	49.03	0.88	8.62	55.54	1.43	43.33
1.694	12.56	49.03	0.84	8.61	53.77	1.44	43.33
1.712	12.56	49.03	0.84	8.61	53.91	1.45	43.33
1.731	12.56	49.03	0.76	8.61	53.66	1.46	43.33
1.752	12.56	49.03	0.69	8.6	53.96	1.46	43.33
1.771	12.56	49.03	0.8	8.61	52.79	1.44	43.33
1.789	12.56	49.03	0.65	8.61	54.0	1.49	43.33
1.806	12.56	49.03	0.84	8.61	53.02	1.46	43.33
1.825	12.56	49.03	0.8	8.62	53.04	1.46	43.33
1.844	12.56	49.03	0.69	8.61	54.05	1.48	43.33
1.864	12.56	49.03	0.76	8.62	52.28	1.44	43.33
1.881	12.56	49.03	0.84	8.62	52.32	1.43	43.33
1.898	12.56	49.03	0.76	8.61	53.32	1.43	43.33
1.916	12.56	49.03	0.84	8.61	52.53	1.38	43.33
1.934	12.56	49.03	0.88	8.6	52.81	1.4	43.33
1.954	12.56	49.03	0.84	8.6	52.62	1.46	43.33
1.974	12.56	49.03	0.72	8.6	51.3	1.4	43.33
1.995	12.56	49.03	0.88	8.6	51.9	1.4	43.33
2.015	12.56	49.03	0.84	8.6	52.2	1.42	43.33
2.034	12.56	49.03	0.88	8.61	51.54	1.44	43.33
2.05	12.56	49.03	0.69	8.62	52.63	1.43	43.33
2.064	12.56	49.03	0.92	8.62	51.3	1.46	43.33
2.08	12.56	49.03	0.84	8.62	52.0	1.37	43.33
2.103	12.56	49.03	0.72	8.63	52.09	1.43	43.33
2.126	12.56	49.03	0.95	8.63	50.97	1.46	43.33
2.147	12.56	49.03	0.61	8.63	51.27	1.43	43.33
2.163	12.56	49.03	0.76	8.62	51.72	1.43	43.33
2.178	12.56	49.03	0.72	8.61	50.98	1.47	43.33
2.195	12.56	49.03	0.8	8.6	51.39	1.45	43.33
2.214	12.56	49.03	0.69	8.59	51.24	1.47	43.33
2.235	12.56	49.03	0.8	8.59	49.91	1.43	43.33
2.256	12.56	49.03	0.8	8.58	51.49	1.46	43.33
2.275	12.56	49.03	0.69	8.58	52.03	1.53	43.33
2.294	12.56	49.03	0.8	8.58	50.26	1.46	43.33
2.313	12.56	49.03	0.88	8.58	50.15	1.44	43.33
2.33	12.56	49.03	0.69	8.59	51.04	1.45	43.33
2.345	12.56	49.03	0.8	8.6	51.4	1.44	43.33
2.364	12.56	49.03	0.72	8.61	52.04	1.48	43.33
2.385	12.56	49.03	0.69	8.61	50.17	1.47	43.33
2.406	12.56	49.03	0.72	8.62	49.71	1.45	43.33
2.425	12.56	49.03	0.92	8.62	51.2	1.48	43.33
2.442	12.56	49.03	0.72	8.61	51.65	1.47	43.33
2.462	12.56	49.03	0.88	8.61	51.33	1.43	43.33
2.484	12.56	49.03	0.76	8.6	50.91	1.5	43.33
2.503	12.56	49.03	0.76	8.59	51.05	1.4	43.33
2.519	12.56	49.03	0.84	8.59	51.26	1.42	43.33
2.536	12.56	49.03	0.95	8.59	51.62	1.43	43.33

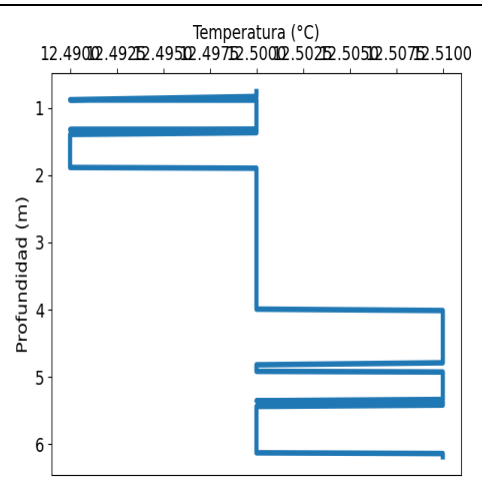
2.556	12.56	49.03	0.84	8.56	51.23	1.5	43.33
2.577	12.56	49.03	0.88	8.55	51.55	1.5	43.33
2.598	12.56	49.03	0.84	8.55	52.28	1.48	43.33
2.617	12.56	49.03	0.84	8.58	51.98	1.46	43.33
2.633	12.56	49.03	0.76	8.58	51.09	1.4	43.33
2.649	12.56	49.03	0.8	8.59	50.96	1.4	43.33
2.669	12.56	49.03	0.69	8.58	52.64	1.46	43.33
2.689	12.56	49.03	0.8	8.59	52.48	1.51	43.33
2.71	12.56	49.03	0.92	8.61	52.04	1.48	43.33
2.731	12.56	49.03	0.88	8.61	52.42	1.46	43.33
2.75	12.56	49.03	0.76	8.61	53.76	1.46	43.33
2.768	12.56	49.03	0.88	8.61	53.72	1.46	43.33
2.785	12.56	49.03	0.84	8.63	53.65	1.49	43.33
2.801	12.56	49.03	0.69	8.63	53.35	1.38	43.33
2.82	12.56	49.03	0.69	8.64	53.75	1.46	43.33
2.842	12.56	49.03	0.76	8.64	55.5	1.75	43.33
2.863	12.56	49.03	0.92	8.63	56.52	1.66	43.33
2.882	12.56	49.03	0.72	8.64	56.18	1.56	43.33
2.898	12.56	49.03	0.8	8.63	57.0	1.53	43.33
2.915	12.56	49.03	0.69	8.62	56.44	1.47	43.33
2.936	12.56	49.03	0.76	8.62	55.9	1.44	43.33
2.96	12.56	49.03	0.69	8.61	56.72	1.46	43.33
2.984	12.56	49.03	0.61	8.6	62.1	1.45	43.33
3.005	12.56	49.03	0.65	8.6	67.83	1.48	43.33
3.022	12.56	49.03	0.72	8.59	61.73	1.48	43.33
3.036	12.56	49.03	0.69	8.59	58.37	1.46	43.33
3.052	12.56	49.03	0.76	8.59	59.07	1.42	43.33
3.073	12.56	49.03	0.76	8.59	66.76	1.52	43.33
3.098	12.56	49.03	0.76	8.59	74.23	1.49	43.33
3.121	12.56	49.03	0.76	8.6	70.08	1.46	43.33
3.138	12.56	49.03	0.84	8.61	69.5	1.4	43.33
3.152	12.56	49.03	0.8	8.61	67.24	1.41	43.33
3.167	12.56	49.03	0.8	8.62	68.64	1.43	43.33
3.188	12.56	49.03	0.69	8.61	70.85	1.55	43.33
3.216	12.56	49.03	0.8	8.61	74.92	1.62	43.33
3.24	12.56	49.03	0.8	8.61	84.03	1.5	43.33
3.258	12.56	49.03	0.69	8.61	92.04	1.43	43.33
3.272	12.56	49.03	0.92	8.61	87.53	1.42	43.33
3.286	12.56	49.03	0.69	8.62	78.02	1.43	43.33
3.303	12.56	49.03	0.69	8.62	80.08	1.46	43.33
3.327	12.56	49.03	0.69	8.62	104.68	1.46	43.33
3.354	12.56	49.03	0.61	8.63	94.9	1.42	43.33
3.378	12.56	49.03	0.69	8.63	101.81	1.43	43.33
3.397	12.56	49.03	0.8	8.63	113.92	1.44	43.33
3.412	12.56	49.03	0.65	8.62	93.2	1.51	43.33
3.428	12.56	49.03	0.84	8.62	92.64	1.44	43.33
3.449	12.56	49.03	0.8	8.62	100.33	1.46	43.33
3.475	12.56	49.03	0.88	8.61	99.32	1.41	43.34
3.5	12.56	49.03	0.88	8.6	108.38	1.46	43.33
3.518	12.56	49.03	0.72	8.6	105.44	1.46	43.33
3.53	12.56	49.03	0.72	8.59	111.0	1.46	43.33
3.543	12.56	49.03	0.84	8.59	91.18	1.5	43.33
3.56	12.56	49.03	0.84	8.59	94.29	1.45	43.33
3.584	12.56	49.03	0.8	8.59	112.74	1.54	43.33
3.607	12.56	49.03	0.65	8.59	104.46	1.43	43.33
3.626	12.55	49.03	0.72	8.6	108.91	1.4	43.34
3.639	12.55	49.03	0.69	8.6	90.73	1.43	43.34
3.653	12.56	49.03	0.69	8.59	104.83	1.38	43.34

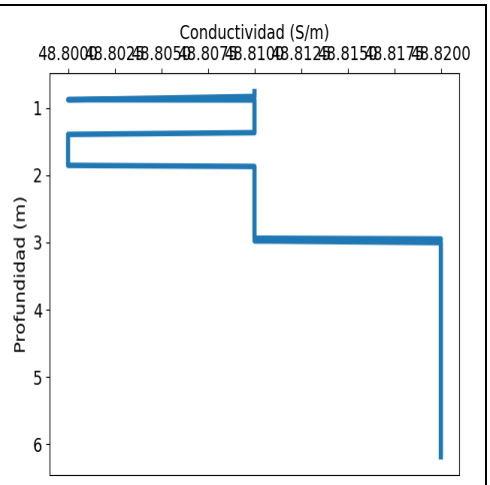
3.672	12.56	49.03	0.72	8.59	110.11	1.36	43.33
3.693	12.56	49.02	0.65	8.58	108.99	1.37	43.33
3.715	12.55	49.03	0.8	8.58	92.0	1.38	43.34
3.733	12.56	49.03	0.72	8.57	100.17	1.39	43.34
3.746	12.56	49.03	0.76	8.59	105.39	1.36	43.34
3.762	12.56	49.03	0.84	8.59	106.2	1.39	43.33
3.78	12.56	49.03	0.84	8.59	109.5	1.34	43.34
3.8	12.56	49.03	0.92	8.6	102.4	1.34	43.34
3.82	12.56	49.03	0.76	8.6	97.18	1.36	43.34
3.839	12.56	49.03	0.84	8.61	99.2	1.33	43.33
3.857	12.56	49.04	0.72	8.61	113.74	1.37	43.34
3.875	12.56	49.03	0.76	8.62	107.58	1.35	43.33
3.893	12.56	49.03	0.88	8.62	93.86	1.31	43.33
3.911	12.56	49.03	0.72	8.63	98.92	1.34	43.33
3.929	12.56	49.04	0.84	8.63	107.83	1.37	43.33
3.947	12.56	49.04	0.69	8.62	111.39	1.34	43.33
3.965	12.56	49.04	0.72	8.61	98.47	1.41	43.33
3.982	12.56	49.04	0.65	8.6	98.6	1.46	43.33
3.996	12.56	49.04	0.88	8.6	107.11	1.35	43.33
4.012	12.56	49.04	0.76	8.59	99.41	1.38	43.33
4.029	12.56	49.04	0.69	8.59	98.7	1.34	43.33
4.046	12.57	49.04	0.69	8.59	101.95	1.39	43.33
4.062	12.57	49.04	0.69	8.6	106.05	1.29	43.33
4.076	12.57	49.04	0.95	8.61	98.67	1.37	43.33
4.092	12.57	49.04	0.84	8.62	90.92	1.37	43.33
4.113	12.57	49.04	0.76	8.62	99.34	1.37	43.33
4.135	12.57	49.04	0.84	8.62	120.52	1.37	43.33
4.154	12.57	49.04	0.76	8.62	94.4	1.35	43.33
4.168	12.57	49.04	0.8	8.61	92.37	1.39	43.33
4.181	12.57	49.04	0.72	8.61	111.73	1.35	43.33
4.192	12.57	49.04	0.8	8.6	96.97	1.36	43.33
4.208	12.57	49.04	0.65	8.6	93.51	1.3	43.33
4.229	12.56	49.04	0.84	8.61	105.9	1.37	43.33
4.251	12.57	49.04	0.69	8.61	101.15	1.38	43.33
4.271	12.57	49.04	0.92	8.6	114.29	1.35	43.33
4.286	12.57	49.04	0.72	8.6	88.41	1.34	43.33
4.296	12.57	49.04	0.92	8.58	87.0	1.36	43.33
4.309	12.57	49.04	0.69	8.58	99.62	1.37	43.33
4.328	12.57	49.04	0.84	8.57	120.75	1.38	43.33
4.352	12.57	49.04	0.61	8.58	96.23	1.38	43.33
4.371	12.56	49.04	0.84	8.57	84.99	1.43	43.33
4.38	12.56	49.04	0.69	8.58	90.14	1.4	43.33
4.381	12.56	49.04	0.76	8.57	119.58	1.34	43.33
4.389	12.56	49.04	0.69	8.57	96.46	1.4	43.33
4.413	12.56	49.04	0.8	8.57	93.88	1.41	43.33
4.444	12.56	49.03	0.92	8.56	88.55	1.39	43.33
4.471	12.56	49.03	0.8	8.58	106.22	1.41	43.33
4.486	12.56	49.03	0.69	8.6	96.86	1.39	43.33
4.49	12.56	49.04	0.76	8.61	94.12	1.31	43.33
4.495	12.56	49.04	0.84	8.62	103.14	1.37	43.33
4.511	12.56	49.03	0.8	8.62	90.42	1.39	43.33
4.538	12.56	49.04	0.69	8.62	97.08	1.44	43.33
4.565	12.56	49.04	0.69	8.62	101.1	1.43	43.33
4.586	12.56	49.03	0.72	8.61	82.89	1.43	43.33
4.598	12.56	49.03	0.69	8.58	81.4	1.41	43.33
4.603	12.56	49.03	0.72	8.59	100.4	1.41	43.33
4.614	12.56	49.03	0.88	8.57	102.76	1.44	43.33
4.641	12.56	49.03	0.8	8.59	89.81	1.4	43.33

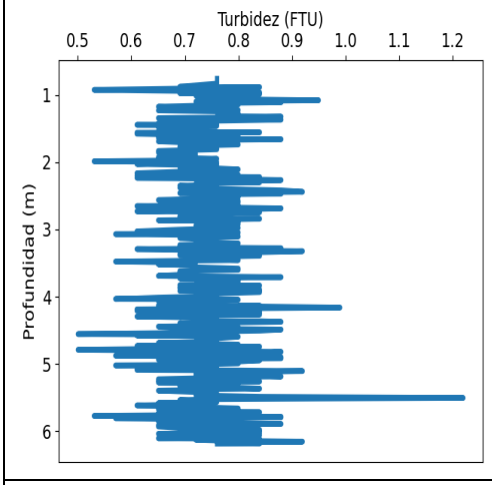
4.675	12.56	49.03	0.72	8.6	90.75	1.35	43.33
4.7	12.56	49.03	0.72	8.6	87.86	1.34	43.33
4.713	12.56	49.03	0.8	8.61	92.99	1.34	43.33
4.717	12.56	49.03	0.72	8.6	100.45	1.32	43.33
4.724	12.56	49.03	0.76	8.6	90.08	1.42	43.33
4.74	12.56	49.03	0.92	8.59	96.21	1.34	43.33
4.761	12.56	49.04	0.72	8.59	103.74	1.39	43.34
4.78	12.56	49.03	0.65	8.57	91.73	1.38	43.33
4.794	12.56	49.03	0.69	8.6	84.3	1.34	43.33
4.804	12.56	49.03	0.76	8.57	87.65	1.31	43.33
4.817	12.56	49.03	0.8	8.57	99.22	1.4	43.33
4.835	12.56	49.03	0.65	8.57	91.79	1.42	43.33
4.856	12.56	49.03	0.76	8.57	87.21	1.38	43.33
4.878	12.56	49.03	0.76	8.6	86.74	1.38	43.33
4.897	12.56	49.03	0.8	8.59	89.67	1.38	43.33
4.912	12.56	49.03	0.92	8.61	90.56	1.34	43.33
4.924	12.56	49.04	0.72	8.62	88.59	1.4	43.33
4.937	12.56	49.03	0.88	8.63	89.6	1.41	43.33
4.955	12.56	49.03	0.76	8.64	96.97	1.38	43.33
4.974	12.56	49.03	0.76	8.64	86.9	1.4	43.33
4.992	12.56	49.03	0.72	8.64	82.83	1.38	43.33
5.007	12.56	49.03	0.8	8.63	90.27	1.39	43.33
5.023	12.56	49.03	0.72	8.64	91.83	1.38	43.33
5.038	12.56	49.03	0.65	8.63	87.47	1.37	43.33
5.055	12.56	49.03	0.72	8.64	88.35	1.37	43.33
5.073	12.56	49.03	0.8	8.63	88.67	1.36	43.33
5.092	12.56	49.03	0.72	8.63	87.51	1.36	43.33
5.109	12.56	49.03	0.84	8.63	87.69	1.3	43.33
5.126	12.56	49.03	0.76	8.63	82.76	1.28	43.33
5.143	12.56	49.03	0.76	8.62	85.62	1.27	43.33
5.158	12.56	49.04	0.69	8.61	114.11	1.29	43.34
5.175	12.56	49.04	0.72	8.61	83.2	1.23	43.34
5.189	12.56	49.04	0.84	8.61	79.25	1.34	43.34
5.206	12.56	49.04	0.84	8.61	86.26	1.4	43.34
5.222	12.56	49.04	0.76	8.61	85.88	1.41	43.34
5.238	12.57	49.04	0.8	8.61	86.22	1.38	43.34
5.253	12.57	49.04	0.72	8.62	100.87	1.35	43.34
5.267	12.57	49.04	0.72	8.62	81.14	1.23	43.34
5.285	12.57	49.04	0.88	8.62	80.67	1.21	43.33
5.305	12.57	49.04	0.84	8.62	84.64	1.2	43.33
5.324	12.57	49.04	0.84	8.62	90.63	1.3	43.34
5.341	12.57	49.05	0.8	8.62	95.61	1.26	43.34
5.354	12.57	49.05	0.69	8.62	77.86	1.21	43.33
5.367	12.57	49.04	0.92	8.61	79.17	1.21	43.33
5.382	12.57	49.05	0.76	8.61	87.02	1.2	43.33
5.402	12.57	49.05	0.72	8.61	85.96	1.17	43.34
5.418	12.57	49.05	0.76	8.6	81.18	1.38	43.34
5.427	12.58	49.06	0.76	8.59	78.92	1.43	43.34
5.431	12.58	49.07	0.92	8.57	88.47	1.4	43.34
5.432	12.59	49.06	0.88	8.56	86.94	1.37	43.33

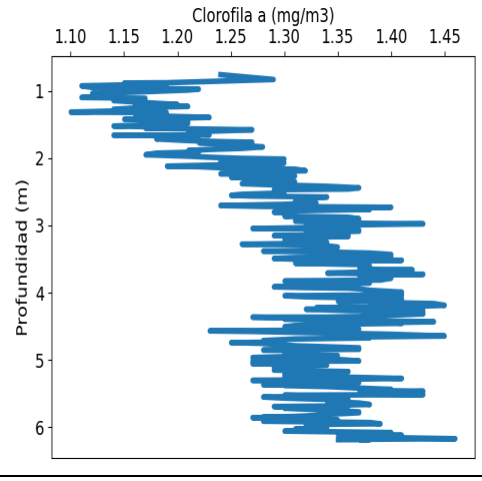
Nombre: CTD E03 - Punto 004 **Fecha: 05/02/2025** **Hora: 09:02:35**

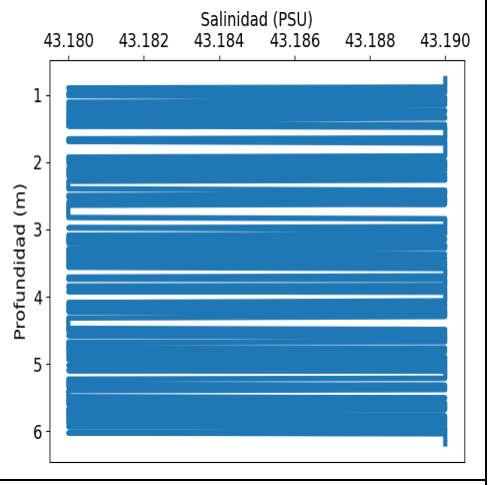


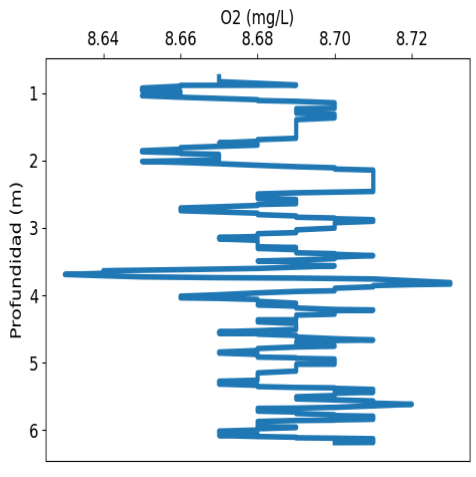


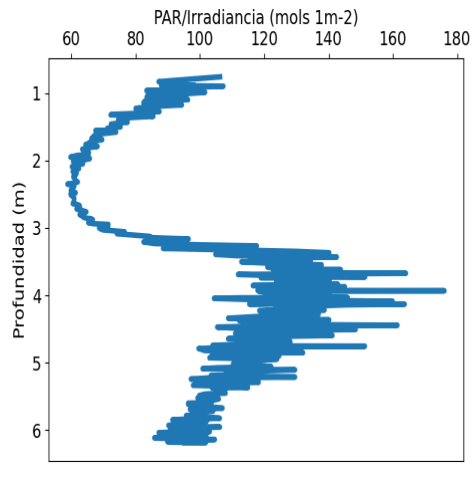


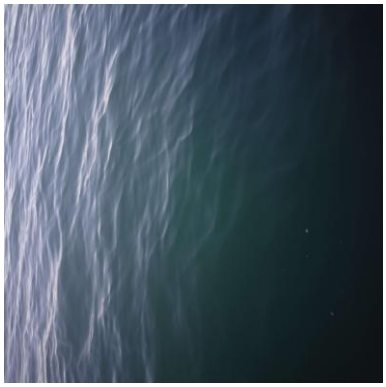












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.49	48.8	0.5	8.63	58.73	1.1	43.18
PROF (metros)	0.881	0.881	4.555	3.69	2.351	1.317	0.9
MÁXIMO	12.51	12.51	1.22	8.73	176.09	1.46	43.19
PROF (metros)	4.012	2.949	5.503	3.811	3.932	6.168	0.761

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E03 - Punto 004	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.5	48.81	0.74	8.66	95.16	1.19	43.19
1 - 2m	12.49	48.8	0.73	8.68	74.22	1.19	43.19
2 - 3m	12.5	48.81	0.75	8.69	62.33	1.3	43.19
3 - 4m	12.5	48.82	0.74	8.69	116.21	1.35	43.19
4 - 5m	12.51	48.82	0.73	8.69	122.69	1.35	43.19
5 - 6m	12.5	48.82	0.74	8.69	104.45	1.33	43.19
6 - 7m	12.51	48.82	0.78	8.69	94.89	1.37	43.19

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.761	12.5	48.81	0.76	8.67	106.29	1.24	43.19
0.833	12.5	48.81	0.76	8.67	87.08	1.29	43.19
0.881	12.49	48.8	0.69	8.69	92.58	1.19	43.19
0.885	12.49	48.81	0.72	8.69	98.28	1.15	43.19
0.887	12.5	48.81	0.84	8.66	87.86	1.16	43.19
0.9	12.5	48.81	0.76	8.66	107.33	1.19	43.18
0.927	12.5	48.81	0.53	8.65	91.3	1.11	43.19
0.951	12.5	48.81	0.76	8.65	97.22	1.12	43.19
0.966	12.5	48.81	0.84	8.65	83.3	1.17	43.19
0.976	12.5	48.81	0.69	8.66	93.9	1.22	43.18
0.99	12.5	48.81	0.84	8.66	101.64	1.21	43.18
1.014	12.5	48.81	0.72	8.66	95.02	1.17	43.18
1.041	12.5	48.81	0.76	8.65	83.6	1.12	43.19
1.063	12.5	48.81	0.76	8.66	83.35	1.14	43.19
1.082	12.5	48.81	0.95	8.67	94.86	1.14	43.19
1.1	12.5	48.81	0.72	8.68	96.32	1.11	43.19
1.112	12.5	48.81	0.88	8.68	85.35	1.17	43.18
1.124	12.5	48.81	0.76	8.69	82.7	1.17	43.18
1.146	12.5	48.81	0.8	8.7	82.35	1.14	43.19
1.177	12.5	48.81	0.65	8.7	94.42	1.17	43.18
1.204	12.5	48.81	0.72	8.7	83.53	1.2	43.18
1.22	12.5	48.81	0.76	8.7	81.5	1.18	43.18
1.228	12.5	48.81	0.8	8.7	79.96	1.16	43.18
1.233	12.5	48.81	0.65	8.69	79.93	1.21	43.19
1.247	12.5	48.81	0.76	8.69	81.31	1.17	43.19
1.275	12.5	48.81	0.8	8.69	87.45	1.14	43.18
1.301	12.5	48.81	0.8	8.69	81.5	1.14	43.18
1.317	12.5	48.81	0.76	8.7	72.99	1.1	43.18
1.325	12.49	48.81	0.88	8.7	72.14	1.19	43.19
1.333	12.5	48.81	0.84	8.7	83.6	1.17	43.19
1.346	12.5	48.81	0.65	8.7	85.54	1.16	43.19
1.37	12.5	48.81	0.88	8.7	76.32	1.17	43.18
1.396	12.49	48.8	0.69	8.69	74.51	1.23	43.18
1.414	12.49	48.8	0.76	8.69	76.84	1.18	43.18
1.424	12.49	48.8	0.65	8.69	76.26	1.15	43.18

1.433	12.49	48.8	0.76	8.69	77.52	1.18	43.18
1.446	12.49	48.8	0.61	8.69	74.84	1.21	43.19
1.463	12.49	48.8	0.76	8.69	72.23	1.17	43.18
1.483	12.49	48.8	0.65	8.69	74.28	1.21	43.19
1.503	12.49	48.8	0.69	8.69	75.34	1.18	43.19
1.524	12.49	48.8	0.69	8.69	71.1	1.14	43.19
1.544	12.49	48.8	0.65	8.69	73.09	1.2	43.19
1.555	12.49	48.8	0.76	8.69	73.41	1.18	43.19
1.558	12.49	48.8	0.84	8.69	67.42	1.17	43.19
1.563	12.49	48.8	0.61	8.69	73.41	1.2	43.19
1.58	12.49	48.8	0.61	8.69	73.96	1.27	43.19
1.612	12.49	48.8	0.8	8.69	68.04	1.21	43.19
1.642	12.49	48.8	0.65	8.69	66.8	1.21	43.19
1.656	12.49	48.8	0.72	8.69	68.19	1.23	43.18
1.661	12.49	48.8	0.88	8.69	67.32	1.14	43.18
1.672	12.49	48.8	0.76	8.69	66.2	1.22	43.19
1.692	12.49	48.8	0.65	8.68	69.63	1.19	43.18
1.716	12.49	48.8	0.72	8.68	66.32	1.18	43.19
1.74	12.49	48.8	0.8	8.67	65.39	1.21	43.19
1.756	12.49	48.8	0.72	8.68	65.51	1.24	43.19
1.764	12.49	48.8	0.76	8.68	64.34	1.27	43.19
1.773	12.49	48.8	0.69	8.68	65.77	1.22	43.19
1.791	12.49	48.8	0.76	8.67	68.19	1.24	43.19
1.811	12.49	48.8	0.76	8.66	65.47	1.26	43.19
1.834	12.49	48.8	0.65	8.66	63.33	1.28	43.19
1.856	12.49	48.8	0.65	8.65	64.04	1.26	43.19
1.872	12.49	48.81	0.72	8.65	64.76	1.23	43.19
1.887	12.49	48.81	0.69	8.66	65.5	1.21	43.19
1.898	12.5	48.81	0.72	8.66	65.08	1.22	43.19
1.909	12.5	48.81	0.72	8.67	65.32	1.22	43.19
1.927	12.5	48.81	0.65	8.67	61.7	1.18	43.18
1.951	12.5	48.81	0.76	8.67	59.66	1.17	43.18
1.972	12.5	48.81	0.72	8.67	65.8	1.21	43.18
1.988	12.5	48.81	0.53	8.67	64.38	1.23	43.19
2.004	12.5	48.81	0.76	8.66	62.13	1.26	43.19
2.015	12.5	48.81	0.65	8.65	60.48	1.3	43.18
2.029	12.5	48.81	0.61	8.66	62.03	1.24	43.19
2.049	12.5	48.81	0.76	8.67	63.67	1.24	43.19
2.072	12.5	48.81	0.69	8.68	61.18	1.3	43.19
2.093	12.5	48.81	0.76	8.69	60.09	1.26	43.18
2.109	12.5	48.81	0.8	8.7	61.28	1.22	43.19
2.12	12.5	48.81	0.72	8.7	62.42	1.19	43.19
2.128	12.5	48.81	0.69	8.7	60.75	1.22	43.19
2.143	12.5	48.81	0.69	8.71	60.68	1.24	43.18
2.165	12.5	48.81	0.61	8.71	60.35	1.31	43.18
2.188	12.5	48.81	0.8	8.71	61.7	1.32	43.19
2.207	12.5	48.81	0.61	8.71	61.41	1.27	43.18
2.223	12.5	48.81	0.84	8.71	61.28	1.25	43.19
2.234	12.5	48.81	0.61	8.71	60.58	1.24	43.19
2.249	12.5	48.81	0.76	8.71	60.58	1.27	43.19
2.267	12.5	48.81	0.88	8.71	61.14	1.31	43.19
2.285	12.5	48.81	0.8	8.71	61.2	1.25	43.18
2.301	12.5	48.81	0.84	8.71	61.03	1.28	43.18
2.319	12.5	48.81	0.72	8.71	62.03	1.3	43.18
2.336	12.5	48.81	0.76	8.71	60.77	1.29	43.18
2.351	12.5	48.81	0.69	8.71	58.72	1.31	43.18
2.365	12.5	48.81	0.72	8.71	60.09	1.3	43.18
2.38	12.5	48.81	0.69	8.71	60.97	1.26	43.18

2.398	12.5	48.81	0.76	8.71	60.59	1.29	43.18
2.419	12.5	48.81	0.88	8.71	60.3	1.34	43.19
2.442	12.5	48.81	0.92	8.71	59.76	1.37	43.19
2.46	12.5	48.81	0.69	8.71	60.06	1.36	43.19
2.47	12.5	48.81	0.88	8.7	61.18	1.29	43.19
2.48	12.5	48.81	0.76	8.69	61.37	1.3	43.19
2.497	12.5	48.81	0.8	8.68	59.67	1.3	43.18
2.518	12.5	48.81	0.8	8.68	59.88	1.3	43.18
2.538	12.5	48.81	0.76	8.68	60.77	1.26	43.19
2.553	12.5	48.81	0.69	8.68	60.62	1.25	43.19
2.564	12.5	48.81	0.65	8.68	60.93	1.27	43.19
2.578	12.5	48.81	0.8	8.69	60.9	1.34	43.19
2.599	12.5	48.81	0.8	8.69	60.83	1.32	43.18
2.624	12.5	48.81	0.69	8.69	60.52	1.31	43.19
2.641	12.5	48.81	0.8	8.69	60.38	1.31	43.18
2.653	12.5	48.81	0.61	8.68	61.75	1.31	43.18
2.667	12.5	48.81	0.72	8.68	62.58	1.33	43.18
2.687	12.5	48.81	0.88	8.67	62.69	1.3	43.18
2.705	12.5	48.81	0.8	8.66	62.32	1.24	43.18
2.718	12.5	48.81	0.69	8.66	61.54	1.28	43.18
2.731	12.5	48.81	0.61	8.66	62.37	1.4	43.18
2.745	12.5	48.81	0.84	8.66	63.56	1.34	43.18
2.763	12.5	48.81	0.72	8.67	64.7	1.38	43.18
2.782	12.5	48.81	0.76	8.68	63.92	1.31	43.18
2.803	12.5	48.81	0.69	8.68	62.52	1.29	43.18
2.823	12.5	48.81	0.69	8.69	63.3	1.31	43.18
2.842	12.5	48.81	0.84	8.69	63.69	1.3	43.19
2.854	12.5	48.81	0.76	8.7	64.53	1.31	43.19
2.864	12.5	48.81	0.65	8.7	66.12	1.3	43.19
2.879	12.5	48.81	0.8	8.71	66.72	1.36	43.19
2.902	12.5	48.81	0.8	8.71	66.38	1.37	43.19
2.923	12.5	48.81	0.8	8.7	65.21	1.31	43.19
2.938	12.5	48.81	0.72	8.7	66.86	1.31	43.19
2.949	12.5	48.82	0.72	8.7	71.55	1.35	43.19
2.96	12.5	48.82	0.72	8.7	71.48	1.32	43.19
2.977	12.5	48.81	0.8	8.7	71.48	1.43	43.18
3.003	12.5	48.82	0.69	8.7	68.56	1.32	43.19
3.029	12.5	48.82	0.61	8.69	69.73	1.34	43.19
3.046	12.5	48.82	0.8	8.69	73.96	1.27	43.19
3.058	12.5	48.82	0.69	8.69	76.61	1.34	43.19
3.07	12.5	48.82	0.57	8.69	74.73	1.37	43.19
3.086	12.5	48.82	0.76	8.68	74.11	1.37	43.18
3.106	12.5	48.82	0.8	8.68	79.06	1.32	43.18
3.127	12.5	48.82	0.69	8.68	84.52	1.34	43.18
3.142	12.5	48.82	0.72	8.67	83.9	1.36	43.19
3.152	12.5	48.82	0.72	8.68	88.9	1.29	43.19
3.164	12.5	48.82	0.72	8.67	96.5	1.36	43.18
3.184	12.5	48.82	0.72	8.68	86.44	1.3	43.18
3.207	12.5	48.82	0.8	8.68	82.37	1.3	43.18
3.232	12.5	48.82	0.69	8.68	85.86	1.31	43.19
3.252	12.5	48.82	0.69	8.68	100.54	1.34	43.19
3.267	12.5	48.82	0.72	8.68	117.71	1.32	43.19
3.279	12.5	48.82	0.88	8.68	108.96	1.26	43.19
3.292	12.5	48.82	0.61	8.69	113.74	1.34	43.18
3.304	12.5	48.82	0.69	8.68	88.45	1.34	43.18
3.323	12.5	48.82	0.92	8.69	106.64	1.35	43.18
3.348	12.5	48.82	0.8	8.69	129.86	1.32	43.18
3.369	12.5	48.82	0.69	8.69	140.25	1.33	43.19

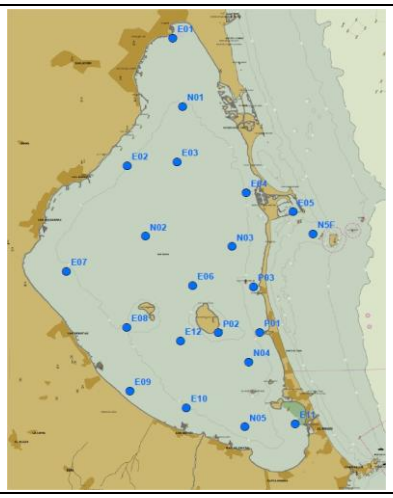
3.382	12.5	48.82	0.69	8.7	125.48	1.28	43.18
3.392	12.5	48.82	0.84	8.7	104.75	1.33	43.18
3.411	12.5	48.82	0.72	8.71	111.18	1.38	43.18
3.432	12.5	48.82	0.72	8.7	142.61	1.4	43.19
3.456	12.5	48.82	0.8	8.7	115.52	1.4	43.18
3.477	12.5	48.82	0.57	8.69	130.16	1.31	43.18
3.491	12.5	48.82	0.69	8.68	134.49	1.29	43.19
3.502	12.5	48.82	0.72	8.69	112.82	1.31	43.19
3.518	12.5	48.82	0.65	8.69	119.08	1.41	43.18
3.535	12.5	48.82	0.72	8.69	127.83	1.33	43.19
3.548	12.5	48.82	0.72	8.69	137.9	1.37	43.18
3.562	12.5	48.82	0.72	8.7	124.73	1.31	43.18
3.581	12.5	48.82	0.8	8.69	120.91	1.37	43.19
3.601	12.5	48.82	0.8	8.68	123.21	1.38	43.19
3.619	12.5	48.82	0.69	8.66	143.84	1.38	43.19
3.635	12.5	48.82	0.69	8.64	125.77	1.38	43.19
3.649	12.5	48.82	0.72	8.64	122.78	1.37	43.19
3.661	12.5	48.82	0.72	8.64	126.59	1.42	43.19
3.673	12.5	48.82	0.69	8.64	164.11	1.37	43.19
3.69	12.5	48.82	0.65	8.63	111.78	1.38	43.19
3.709	12.5	48.82	0.88	8.64	124.18	1.34	43.18
3.726	12.5	48.82	0.69	8.65	151.43	1.43	43.18
3.738	12.5	48.82	0.76	8.67	118.86	1.39	43.18
3.744	12.5	48.82	0.72	8.69	137.9	1.37	43.19
3.757	12.5	48.82	0.8	8.71	133.93	1.39	43.19
3.784	12.5	48.82	0.8	8.72	140.35	1.4	43.19
3.811	12.5	48.82	0.8	8.73	123.58	1.39	43.19
3.827	12.5	48.82	0.69	8.73	128.87	1.3	43.19
3.833	12.5	48.82	0.84	8.73	142.91	1.36	43.19
3.841	12.5	48.82	0.72	8.72	129.89	1.34	43.18
3.855	12.5	48.82	0.69	8.71	116.38	1.38	43.18
3.873	12.5	48.82	0.69	8.71	145.11	1.34	43.19
3.894	12.5	48.82	0.84	8.7	140.67	1.32	43.19
3.913	12.5	48.82	0.69	8.7	131.89	1.29	43.19
3.924	12.5	48.82	0.84	8.7	117.84	1.32	43.18
3.932	12.5	48.82	0.84	8.7	176.09	1.36	43.19
3.942	12.5	48.82	0.8	8.69	118.34	1.37	43.19
3.964	12.5	48.82	0.72	8.68	121.5	1.38	43.19
3.991	12.5	48.82	0.76	8.67	132.38	1.41	43.19
4.012	12.51	48.82	0.65	8.66	140.48	1.4	43.19
4.025	12.51	48.82	0.61	8.66	133.09	1.38	43.19
4.033	12.51	48.82	0.57	8.66	145.99	1.41	43.19
4.037	12.51	48.82	0.76	8.66	111.65	1.35	43.19
4.045	12.51	48.82	0.8	8.67	104.29	1.3	43.19
4.061	12.51	48.82	0.65	8.68	115.17	1.32	43.19
4.088	12.51	48.82	0.69	8.68	159.98	1.41	43.18
4.116	12.51	48.82	0.72	8.69	125.16	1.39	43.19
4.129	12.51	48.82	0.65	8.69	115.28	1.35	43.19
4.131	12.51	48.82	0.84	8.69	163.73	1.38	43.18
4.14	12.51	48.82	0.8	8.68	146.02	1.38	43.18
4.161	12.51	48.82	0.99	8.69	134.11	1.44	43.19
4.187	12.51	48.82	0.61	8.69	123.35	1.45	43.18
4.209	12.51	48.82	0.61	8.7	125.19	1.41	43.19
4.216	12.51	48.82	0.65	8.71	138.79	1.43	43.19
4.219	12.51	48.82	0.65	8.71	120.75	1.33	43.18
4.227	12.51	48.82	0.84	8.7	118.39	1.37	43.19
4.245	12.51	48.82	0.72	8.7	119.3	1.32	43.19
4.265	12.51	48.82	0.84	8.7	123.66	1.36	43.19

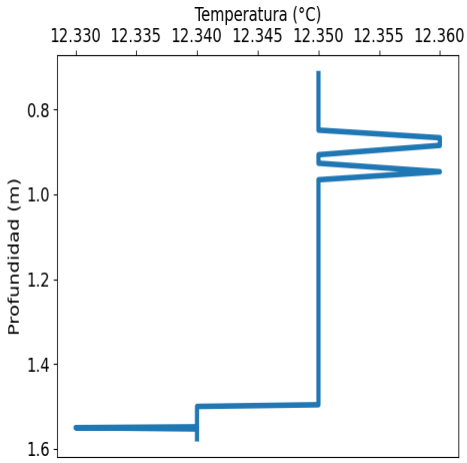
4.279	12.51	48.82	0.72	8.7	136.97	1.43	43.19
4.293	12.51	48.82	0.61	8.69	128.45	1.38	43.19
4.315	12.51	48.82	0.76	8.69	117.38	1.43	43.18
4.339	12.51	48.82	0.72	8.69	108.71	1.39	43.18
4.354	12.51	48.82	0.72	8.69	115.79	1.37	43.18
4.362	12.51	48.82	0.72	8.69	130.53	1.34	43.18
4.363	12.51	48.82	0.84	8.68	140.22	1.27	43.18
4.373	12.51	48.82	0.88	8.68	112.14	1.3	43.18
4.393	12.51	48.82	0.69	8.68	114.69	1.3	43.18
4.416	12.51	48.82	0.72	8.69	117.49	1.38	43.18
4.431	12.51	48.82	0.76	8.69	122.3	1.44	43.18
4.443	12.51	48.82	0.65	8.69	161.47	1.4	43.18
4.454	12.51	48.82	0.8	8.69	118.97	1.41	43.18
4.47	12.51	48.82	0.69	8.69	105.31	1.34	43.18
4.487	12.51	48.82	0.88	8.69	111.26	1.31	43.19
4.505	12.51	48.82	0.84	8.69	148.48	1.3	43.18
4.524	12.51	48.82	0.69	8.68	125.8	1.35	43.19
4.54	12.51	48.82	0.65	8.67	113.87	1.37	43.19
4.555	12.51	48.82	0.5	8.68	129.08	1.33	43.19
4.563	12.51	48.82	0.76	8.67	137.48	1.27	43.19
4.567	12.51	48.82	0.76	8.68	110.87	1.23	43.19
4.575	12.51	48.82	0.61	8.68	111.78	1.27	43.18
4.594	12.51	48.82	0.8	8.69	141.26	1.33	43.19
4.617	12.51	48.82	0.76	8.69	114.77	1.4	43.19
4.643	12.51	48.82	0.76	8.7	108.71	1.45	43.19
4.662	12.51	48.82	0.72	8.71	120.55	1.34	43.19
4.669	12.51	48.82	0.72	8.7	124.76	1.38	43.19
4.673	12.51	48.82	0.72	8.7	122.47	1.37	43.18
4.687	12.51	48.82	0.65	8.69	128.16	1.31	43.18
4.71	12.51	48.82	0.8	8.69	127.98	1.28	43.18
4.731	12.51	48.82	0.61	8.69	110.0	1.3	43.18
4.742	12.51	48.82	0.84	8.69	103.86	1.25	43.18
4.748	12.51	48.82	0.72	8.7	112.27	1.27	43.18
4.753	12.51	48.82	0.76	8.7	151.36	1.28	43.18
4.765	12.51	48.82	0.72	8.69	113.24	1.29	43.19
4.788	12.51	48.82	0.5	8.68	99.5	1.31	43.18
4.818	12.5	48.82	0.88	8.68	101.48	1.37	43.19
4.84	12.5	48.82	0.84	8.67	121.93	1.37	43.18
4.85	12.5	48.82	0.8	8.67	132.11	1.3	43.18
4.852	12.5	48.82	0.61	8.67	105.0	1.28	43.18
4.856	12.5	48.82	0.72	8.67	103.69	1.3	43.18
4.875	12.5	48.82	0.57	8.68	110.93	1.3	43.18
4.897	12.5	48.82	0.88	8.68	124.7	1.33	43.19
4.915	12.5	48.82	0.88	8.68	109.75	1.3	43.19
4.925	12.51	48.82	0.69	8.69	102.9	1.31	43.19
4.933	12.51	48.82	0.65	8.69	109.83	1.35	43.18
4.944	12.51	48.82	0.84	8.7	124.04	1.31	43.19
4.963	12.51	48.82	0.8	8.7	118.45	1.27	43.19
4.991	12.51	48.82	0.8	8.7	115.81	1.35	43.19
5.013	12.51	48.82	0.69	8.7	110.23	1.37	43.19
5.02	12.51	48.82	0.57	8.7	112.61	1.3	43.18
5.021	12.51	48.82	0.69	8.69	113.19	1.27	43.18
5.033	12.51	48.82	0.76	8.69	116.24	1.29	43.19
5.054	12.51	48.82	0.72	8.69	122.18	1.27	43.19
5.074	12.51	48.82	0.61	8.69	105.26	1.34	43.19
5.087	12.51	48.82	0.61	8.69	100.75	1.3	43.19
5.095	12.51	48.82	0.8	8.69	116.0	1.32	43.18
5.104	12.51	48.82	0.92	8.69	129.62	1.29	43.19

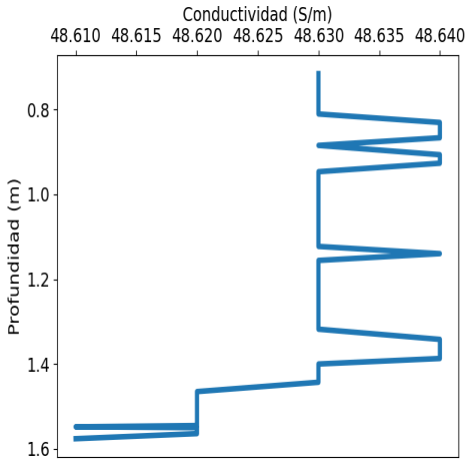
5.122	12.51	48.82	0.8	8.69	118.31	1.3	43.19
5.149	12.51	48.82	0.72	8.68	108.03	1.29	43.19
5.171	12.51	48.82	0.84	8.68	115.57	1.36	43.19
5.185	12.51	48.82	0.88	8.68	103.38	1.3	43.19
5.192	12.51	48.82	0.72	8.68	105.39	1.35	43.19
5.201	12.51	48.82	0.8	8.68	116.78	1.31	43.19
5.211	12.51	48.82	0.72	8.68	129.62	1.3	43.19
5.224	12.51	48.82	0.65	8.68	102.61	1.31	43.18
5.241	12.51	48.82	0.65	8.68	97.11	1.3	43.18
5.258	12.51	48.82	0.84	8.68	106.62	1.37	43.18
5.273	12.51	48.82	0.65	8.67	117.35	1.41	43.18
5.289	12.51	48.82	0.8	8.67	118.31	1.34	43.18
5.302	12.51	48.82	0.76	8.67	107.19	1.27	43.18
5.315	12.51	48.82	0.69	8.67	98.76	1.37	43.19
5.333	12.51	48.82	0.69	8.68	97.78	1.37	43.18
5.352	12.5	48.82	0.8	8.68	111.8	1.32	43.19
5.365	12.51	48.82	0.84	8.69	114.98	1.28	43.19
5.371	12.51	48.82	0.76	8.7	103.67	1.3	43.19
5.379	12.51	48.82	0.76	8.7	105.88	1.3	43.19
5.394	12.51	48.82	0.65	8.71	106.74	1.34	43.18
5.416	12.51	48.82	0.72	8.7	104.95	1.37	43.18
5.436	12.5	48.82	0.76	8.71	107.93	1.4	43.18
5.449	12.5	48.82	0.76	8.7	108.01	1.37	43.18
5.463	12.5	48.82	0.72	8.7	101.57	1.43	43.18
5.485	12.5	48.82	0.84	8.7	99.71	1.39	43.18
5.503	12.5	48.82	1.22	8.69	102.95	1.37	43.19
5.513	12.5	48.82	0.95	8.69	100.75	1.43	43.18
5.522	12.5	48.82	0.76	8.69	99.2	1.3	43.18
5.535	12.5	48.82	0.69	8.69	105.9	1.33	43.18
5.549	12.5	48.82	0.72	8.7	104.56	1.28	43.18
5.565	12.5	48.82	0.76	8.71	101.83	1.3	43.18
5.58	12.5	48.82	0.65	8.71	103.81	1.33	43.19
5.59	12.5	48.82	0.72	8.71	103.21	1.36	43.18
5.598	12.5	48.82	0.72	8.71	96.3	1.36	43.18
5.614	12.5	48.82	0.61	8.72	96.26	1.34	43.19
5.638	12.5	48.82	0.72	8.71	99.62	1.37	43.19
5.66	12.5	48.82	0.8	8.7	104.34	1.38	43.19
5.671	12.5	48.82	0.65	8.69	107.06	1.34	43.18
5.675	12.5	48.82	0.76	8.68	106.86	1.34	43.19
5.68	12.5	48.82	0.76	8.68	99.68	1.36	43.18
5.69	12.5	48.82	0.72	8.68	96.82	1.29	43.18
5.704	12.5	48.82	0.72	8.68	101.64	1.31	43.18
5.716	12.5	48.82	0.84	8.68	104.12	1.3	43.18
5.729	12.5	48.82	0.65	8.69	97.7	1.32	43.18
5.751	12.5	48.82	0.76	8.69	97.92	1.35	43.18
5.77	12.5	48.82	0.53	8.7	99.04	1.37	43.19
5.782	12.5	48.82	0.88	8.7	95.63	1.37	43.18
5.791	12.5	48.82	0.88	8.71	97.47	1.36	43.19
5.805	12.5	48.82	0.57	8.71	102.88	1.34	43.19
5.822	12.5	48.82	0.72	8.71	106.22	1.33	43.18
5.837	12.5	48.82	0.76	8.71	94.36	1.31	43.19
5.846	12.5	48.82	0.76	8.7	91.36	1.28	43.19
5.85	12.5	48.82	0.65	8.7	100.15	1.3	43.19
5.855	12.5	48.82	0.69	8.69	102.31	1.27	43.19
5.869	12.5	48.82	0.76	8.68	100.29	1.32	43.18
5.889	12.5	48.82	0.88	8.68	101.72	1.35	43.19
5.908	12.5	48.82	0.65	8.68	93.29	1.28	43.19
5.928	12.5	48.82	0.65	8.68	90.12	1.38	43.18

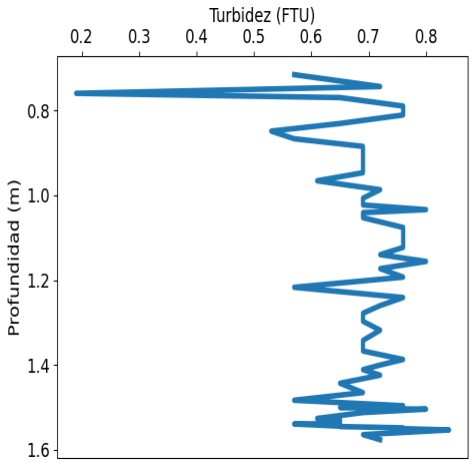
5.947	12.5	48.82	0.69	8.68	91.09	1.39	43.19
5.952	12.5	48.82	0.8	8.69	106.25	1.35	43.19
5.96	12.5	48.82	0.69	8.69	101.03	1.32	43.19
5.977	12.5	48.82	0.84	8.68	91.92	1.33	43.19
5.996	12.5	48.82	0.72	8.68	90.58	1.34	43.19
6.012	12.5	48.82	0.84	8.67	99.68	1.33	43.19
6.019	12.5	48.82	0.72	8.67	103.09	1.33	43.19
6.024	12.5	48.82	0.72	8.67	94.49	1.31	43.18
6.035	12.5	48.82	0.65	8.67	87.1	1.34	43.19
6.055	12.5	48.82	0.84	8.68	87.27	1.3	43.19
6.077	12.5	48.82	0.76	8.67	92.8	1.4	43.19
6.092	12.5	48.82	0.8	8.68	102.02	1.37	43.19
6.103	12.5	48.82	0.65	8.69	94.8	1.38	43.19
6.111	12.5	48.82	0.84	8.69	85.74	1.35	43.19
6.117	12.5	48.82	0.76	8.7	87.15	1.41	43.19
6.125	12.5	48.82	0.72	8.71	96.9	1.37	43.19
6.136	12.51	48.82	0.76	8.71	104.66	1.38	43.19
6.152	12.51	48.82	0.92	8.71	98.7	1.4	43.19
6.168	12.51	48.82	0.76	8.71	89.79	1.46	43.19
6.176	12.51	48.82	0.84	8.71	90.31	1.38	43.19
6.179	12.51	48.82	0.84	8.71	96.57	1.37	43.19
6.181	12.51	48.82	0.84	8.71	101.86	1.38	43.19
6.183	12.51	48.82	0.76	8.7	95.02	1.35	43.19

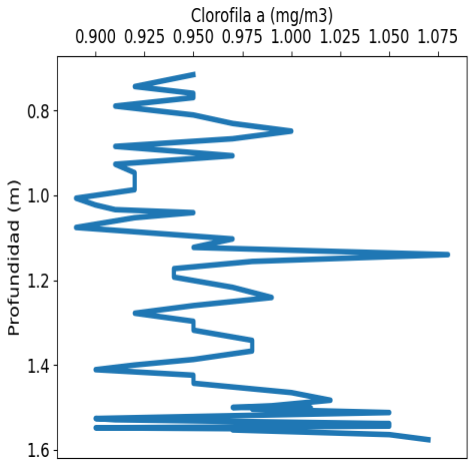
Nombre: CTD E01 - Punto 005 **Fecha: 05/02/2025** **Hora: 09:02:45**

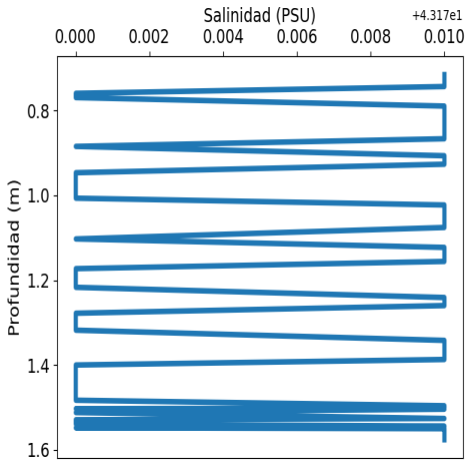


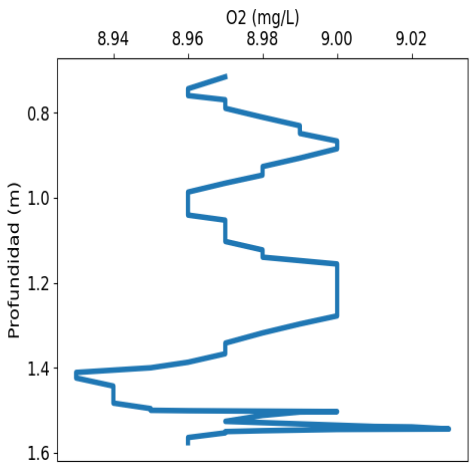


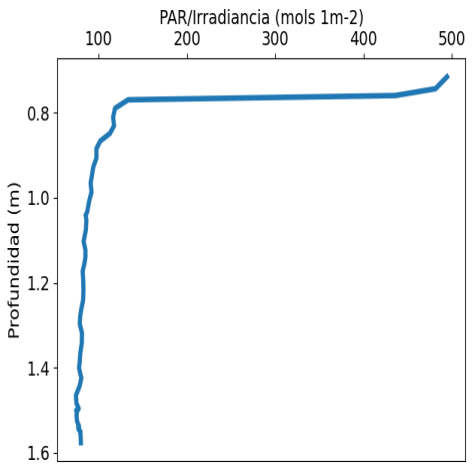


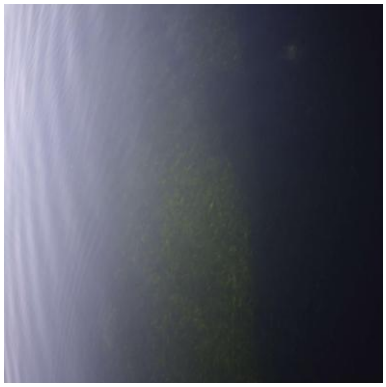












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.33	48.61	0.19	8.93	74.06	0.89	43.17
PROF (metros)	1.55	1.548	0.76	1.411	1.465	1.007	0.76
MÁXIMO	12.36	12.36	0.84	9.03	494.75	1.08	43.18
PROF (metros)	0.867	0.831	1.553	1.544	0.716	1.14	0.716

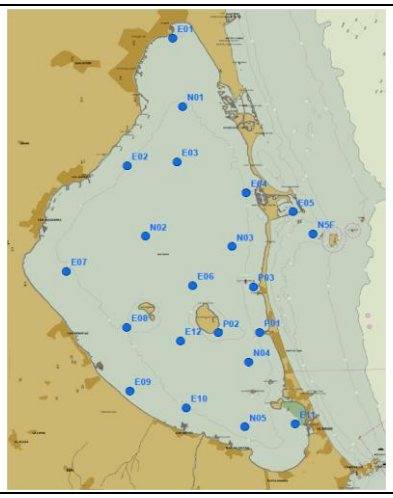
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E01 - Punto 005	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.35	48.63	0.63	8.98	178.38	0.94	43.18
1 - 2m	12.35	48.63	0.71	8.98	79.88	0.97	43.18

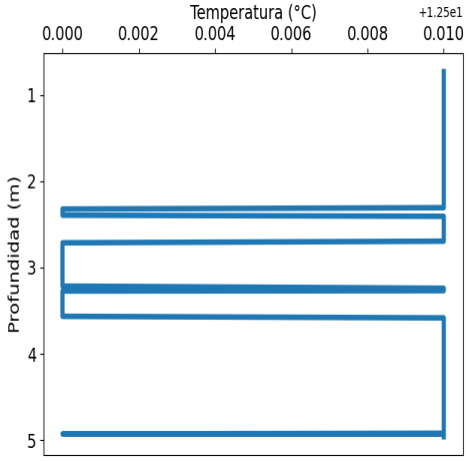
OBSERVACIONES GENERALES

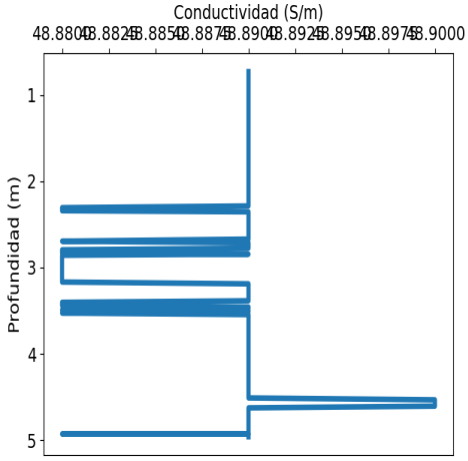
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.716	12.35	48.63	0.57	8.97	494.75	0.95	43.18
0.744	12.35	48.63	0.72	8.96	481.73	0.92	43.18
0.76	12.35	48.63	0.19	8.96	436.14	0.95	43.17
0.77	12.35	48.63	0.65	8.97	133.25	0.95	43.17
0.79	12.35	48.63	0.76	8.97	118.47	0.91	43.18
0.811	12.35	48.63	0.76	8.98	116.24	0.95	43.18
0.831	12.35	48.64	0.65	8.99	117.35	0.97	43.18
0.849	12.35	48.64	0.53	8.99	112.69	1.0	43.18
0.867	12.36	48.64	0.57	9.0	101.64	0.97	43.18
0.885	12.36	48.63	0.69	9.0	97.31	0.91	43.17
0.907	12.35	48.64	0.69	8.99	97.4	0.97	43.18
0.927	12.35	48.64	0.69	8.98	93.9	0.91	43.18
0.947	12.36	48.63	0.69	8.98	92.28	0.92	43.17
0.966	12.35	48.63	0.61	8.97	90.77	0.92	43.17
0.987	12.35	48.63	0.72	8.96	91.77	0.92	43.17
1.007	12.35	48.63	0.69	8.96	89.23	0.89	43.17
1.023	12.35	48.63	0.69	8.96	87.82	0.9	43.18
1.034	12.35	48.63	0.8	8.96	86.8	0.91	43.18
1.041	12.35	48.63	0.69	8.96	85.09	0.95	43.18
1.053	12.35	48.63	0.69	8.97	85.98	0.92	43.18
1.076	12.35	48.63	0.76	8.97	85.35	0.89	43.18
1.103	12.35	48.63	0.76	8.97	82.83	0.97	43.17
1.123	12.35	48.63	0.76	8.98	84.85	0.95	43.18
1.14	12.35	48.64	0.72	8.98	84.87	1.08	43.18
1.156	12.35	48.63	0.8	9.0	83.62	0.98	43.18
1.173	12.35	48.63	0.72	9.0	81.75	0.94	43.17
1.193	12.35	48.63	0.76	9.0	82.32	0.94	43.17
1.217	12.35	48.63	0.57	9.0	82.62	0.97	43.17
1.241	12.35	48.63	0.76	9.0	82.26	0.99	43.18
1.26	12.35	48.63	0.72	9.0	80.37	0.95	43.18
1.278	12.35	48.63	0.69	9.0	78.97	0.92	43.17
1.297	12.35	48.63	0.69	8.99	78.46	0.95	43.17
1.318	12.35	48.63	0.72	8.98	80.97	0.95	43.17
1.342	12.35	48.64	0.69	8.97	80.77	0.98	43.18
1.367	12.35	48.64	0.69	8.97	78.99	0.98	43.18
1.387	12.35	48.64	0.76	8.96	78.35	0.95	43.18
1.4	12.35	48.63	0.72	8.95	77.61	0.92	43.17
1.411	12.35	48.63	0.69	8.93	78.73	0.9	43.17
1.424	12.35	48.63	0.72	8.93	80.28	0.95	43.17
1.443	12.35	48.63	0.65	8.94	78.26	0.95	43.17

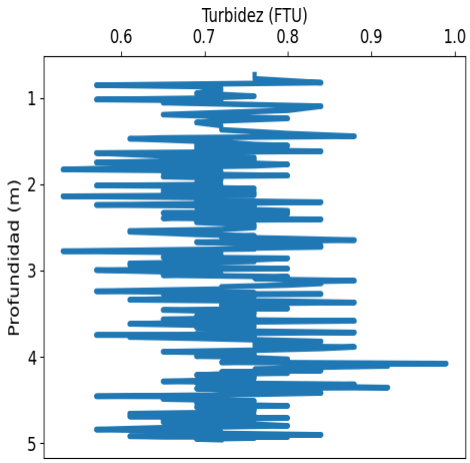
1.465	12.35	48.62	0.69	8.94	74.06	1.0	43.17
1.483	12.35	48.62	0.57	8.94	74.63	1.02	43.17
1.496	12.35	48.62	0.76	8.95	77.29	0.99	43.18
1.5	12.34	48.62	0.65	8.95	74.3	0.97	43.18
1.501	12.34	48.62	0.69	8.96	75.32	1.01	43.18
1.503	12.34	48.62	0.72	9.0	75.5	1.0	43.17
1.504	12.34	48.62	0.8	8.99	75.2	0.98	43.18
1.512	12.34	48.62	0.69	8.98	74.8	1.05	43.17
1.526	12.34	48.62	0.61	8.97	75.38	0.9	43.18
1.529	12.34	48.62	0.65	8.98	75.96	0.91	43.17
1.538	12.34	48.62	0.65	9.01	77.7	1.05	43.17
1.539	12.34	48.62	0.57	9.02	76.7	1.03	43.17
1.544	12.34	48.62	0.65	9.03	76.93	1.05	43.18
1.545	12.34	48.62	0.65	9.0	77.65	1.01	43.18
1.548	12.34	48.61	0.76	8.98	78.3	0.9	43.17
1.55	12.33	48.62	0.76	8.97	79.39	0.97	43.18
1.553	12.34	48.62	0.84	8.97	79.1	0.97	43.18
1.564	12.34	48.62	0.69	8.96	79.56	1.05	43.18
1.576	12.34	48.61	0.72	8.96	79.69	1.07	43.18

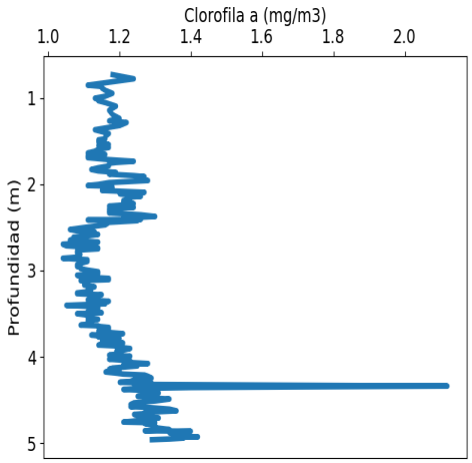
Nombre: CTD N01 - Punto 006 **Fecha: 05/02/2025** **Hora: 09:02:48**

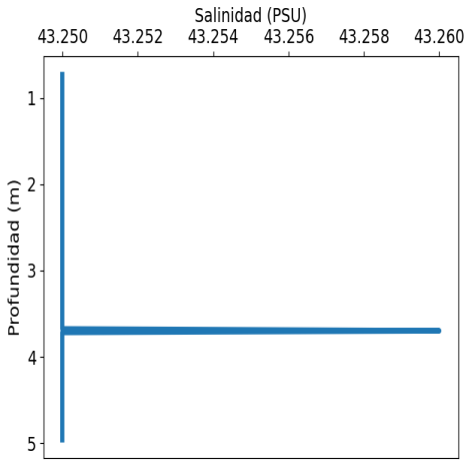


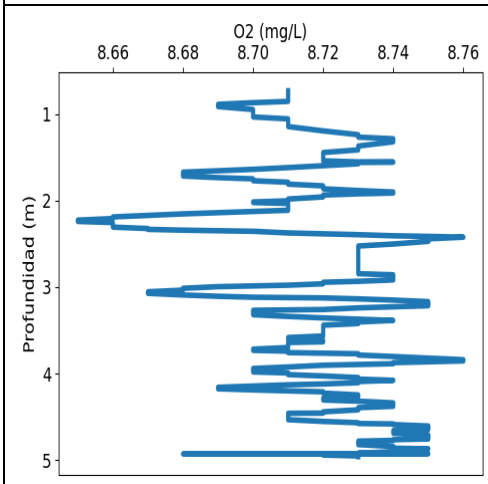


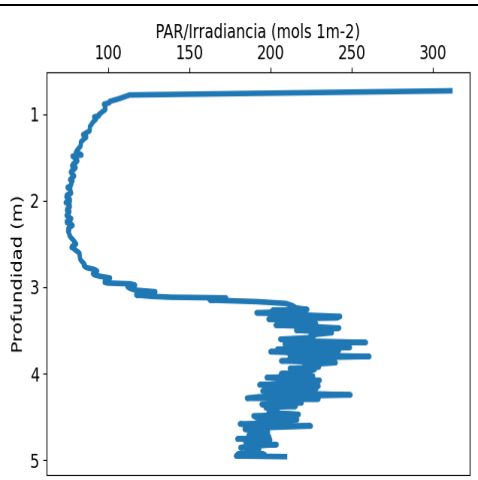


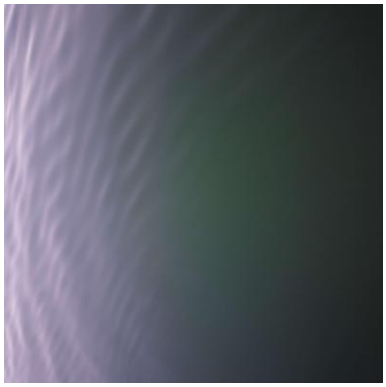












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.5	48.88	0.53	8.65	73.85	1.04	43.25
PROF (metros)	2.324	2.308	1.831	2.227	2.024	2.696	0.733
MÁXIMO	12.51	12.51	0.99	8.76	310.71	2.12	43.26
PROF (metros)	0.733	4.533	4.078	2.424	0.733	4.339	3.699

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N01 - Punto 006	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.51	48.89	0.72	8.7	124.66	1.17	43.25
1 - 2m	12.51	48.89	0.7	8.71	80.9	1.17	43.25
2 - 3m	12.51	48.89	0.71	8.71	83.02	1.15	43.25
3 - 4m	12.51	48.89	0.74	8.72	208.22	1.14	43.25
4 - 5m	12.51	48.89	0.73	8.73	201.08	1.29	43.25

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.733	12.51	48.89	0.76	8.71	310.71	1.18	43.25
0.781	12.51	48.89	0.76	8.71	113.21	1.24	43.25
0.826	12.51	48.89	0.84	8.71	106.42	1.16	43.25
0.855	12.51	48.89	0.57	8.71	100.96	1.11	43.25
0.87	12.51	48.89	0.69	8.7	100.8	1.15	43.25
0.889	12.51	48.89	0.72	8.69	97.31	1.15	43.25
0.915	12.51	48.89	0.72	8.69	98.22	1.16	43.25
0.949	12.51	48.89	0.69	8.7	98.31	1.18	43.25
0.982	12.51	48.89	0.76	8.7	96.01	1.16	43.25
1.006	12.51	48.89	0.69	8.7	94.31	1.13	43.25
1.021	12.51	48.89	0.57	8.7	94.38	1.14	43.25
1.035	12.51	48.89	0.72	8.7	91.3	1.14	43.25
1.057	12.51	48.89	0.65	8.71	92.67	1.16	43.25
1.098	12.51	48.89	0.84	8.71	90.5	1.19	43.25
1.146	12.51	48.89	0.8	8.71	88.8	1.17	43.25
1.196	12.51	48.89	0.65	8.72	88.61	1.18	43.25
1.24	12.51	48.89	0.8	8.73	84.5	1.2	43.25
1.268	12.51	48.89	0.72	8.73	86.58	1.17	43.25
1.287	12.51	48.89	0.69	8.74	85.35	1.22	43.25
1.322	12.51	48.89	0.72	8.74	83.26	1.2	43.25
1.371	12.51	48.89	0.72	8.73	83.1	1.13	43.25
1.415	12.51	48.89	0.8	8.73	81.07	1.17	43.25
1.446	12.51	48.89	0.88	8.72	80.08	1.16	43.25
1.465	12.51	48.89	0.65	8.72	82.99	1.16	43.25
1.475	12.51	48.89	0.61	8.72	83.64	1.16	43.25
1.488	12.51	48.89	0.65	8.72	78.04	1.14	43.25
1.514	12.51	48.89	0.72	8.72	79.93	1.14	43.25
1.542	12.51	48.89	0.76	8.72	81.14	1.17	43.25
1.554	12.51	48.89	0.8	8.73	79.76	1.14	43.25
1.556	12.51	48.89	0.69	8.74	79.67	1.16	43.25
1.56	12.51	48.89	0.69	8.73	80.26	1.16	43.25
1.576	12.51	48.89	0.72	8.73	78.5	1.17	43.25
1.598	12.51	48.89	0.69	8.72	77.81	1.14	43.25
1.62	12.51	48.89	0.84	8.71	80.04	1.13	43.25
1.64	12.51	48.89	0.57	8.7	79.01	1.11	43.25
1.657	12.51	48.89	0.61	8.69	77.52	1.16	43.25
1.673	12.51	48.89	0.65	8.68	76.96	1.11	43.25

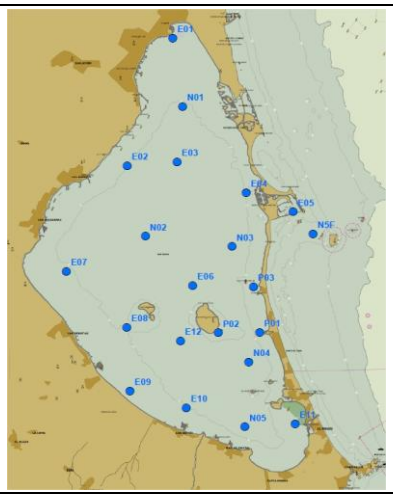
1.694	12.51	48.89	0.76	8.68	77.99	1.11	43.25
1.717	12.51	48.89	0.76	8.68	79.14	1.17	43.25
1.736	12.51	48.89	0.65	8.69	77.97	1.24	43.25
1.75	12.51	48.89	0.57	8.7	76.93	1.19	43.25
1.76	12.51	48.89	0.76	8.7	76.5	1.17	43.25
1.772	12.51	48.89	0.8	8.7	78.08	1.17	43.25
1.789	12.51	48.89	0.76	8.71	77.52	1.17	43.25
1.811	12.51	48.89	0.61	8.71	77.36	1.14	43.25
1.831	12.51	48.89	0.53	8.72	76.96	1.12	43.25
1.848	12.51	48.89	0.72	8.72	74.92	1.14	43.25
1.865	12.51	48.89	0.65	8.72	75.92	1.19	43.25
1.885	12.51	48.89	0.69	8.73	76.89	1.17	43.25
1.902	12.51	48.89	0.8	8.74	76.75	1.24	43.25
1.914	12.51	48.89	0.65	8.74	77.29	1.27	43.25
1.923	12.51	48.89	0.69	8.73	76.47	1.25	43.25
1.937	12.51	48.89	0.72	8.72	74.54	1.25	43.25
1.959	12.51	48.89	0.72	8.72	74.27	1.28	43.25
1.983	12.51	48.89	0.69	8.71	76.36	1.17	43.25
2.004	12.51	48.89	0.72	8.71	76.52	1.14	43.25
2.017	12.51	48.89	0.57	8.7	74.68	1.11	43.25
2.024	12.51	48.89	0.69	8.7	73.85	1.17	43.25
2.034	12.51	48.89	0.65	8.71	76.2	1.18	43.25
2.051	12.51	48.89	0.76	8.71	76.27	1.18	43.25
2.074	12.51	48.89	0.65	8.71	76.41	1.15	43.25
2.095	12.51	48.89	0.76	8.71	74.85	1.27	43.25
2.113	12.51	48.89	0.65	8.71	74.61	1.2	43.25
2.127	12.51	48.89	0.76	8.7	76.2	1.23	43.25
2.141	12.51	48.89	0.53	8.69	75.94	1.26	43.25
2.155	12.51	48.89	0.69	8.68	75.08	1.22	43.25
2.172	12.51	48.89	0.69	8.67	74.4	1.23	43.25
2.19	12.51	48.89	0.69	8.66	75.71	1.21	43.25
2.209	12.51	48.89	0.84	8.66	77.36	1.21	43.25
2.227	12.51	48.89	0.69	8.65	76.2	1.24	43.25
2.242	12.51	48.89	0.57	8.65	74.52	1.21	43.25
2.255	12.51	48.89	0.76	8.66	74.58	1.17	43.25
2.269	12.51	48.89	0.69	8.66	77.09	1.24	43.25
2.288	12.51	48.89	0.72	8.66	78.15	1.17	43.25
2.308	12.51	48.88	0.8	8.66	76.22	1.17	43.25
2.324	12.5	48.88	0.8	8.67	75.38	1.18	43.25
2.334	12.5	48.88	0.65	8.67	75.66	1.17	43.25
2.343	12.5	48.88	0.8	8.68	76.04	1.21	43.25
2.356	12.5	48.89	0.72	8.7	75.25	1.26	43.25
2.375	12.5	48.89	0.69	8.71	75.85	1.3	43.25
2.395	12.5	48.89	0.65	8.73	76.22	1.21	43.25
2.408	12.51	48.89	0.84	8.74	76.24	1.26	43.25
2.415	12.51	48.89	0.76	8.75	76.64	1.11	43.25
2.424	12.51	48.89	0.69	8.76	76.88	1.25	43.25
2.443	12.51	48.89	0.69	8.75	77.83	1.17	43.25
2.472	12.51	48.89	0.76	8.75	79.17	1.16	43.25
2.503	12.51	48.89	0.76	8.74	80.3	1.1	43.25
2.526	12.51	48.89	0.72	8.73	78.01	1.06	43.25
2.542	12.51	48.89	0.61	8.73	77.47	1.08	43.25
2.553	12.51	48.89	0.61	8.73	79.12	1.13	43.25
2.567	12.51	48.89	0.65	8.73	79.37	1.12	43.25
2.583	12.51	48.89	0.69	8.73	80.65	1.14	43.25
2.6	12.51	48.89	0.76	8.73	81.92	1.11	43.25
2.615	12.51	48.89	0.72	8.73	82.47	1.07	43.25
2.63	12.51	48.89	0.8	8.73	82.32	1.08	43.25

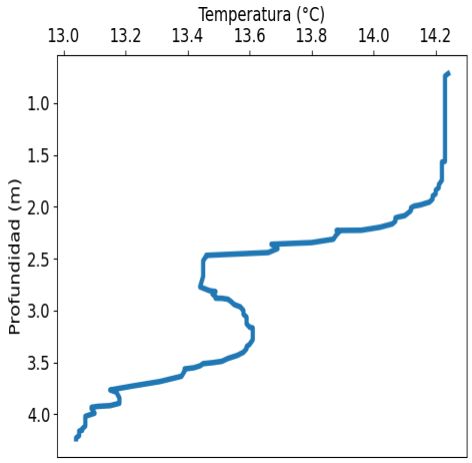
2.649	12.51	48.89	0.88	8.73	82.6	1.06	43.25
2.672	12.51	48.89	0.69	8.73	82.66	1.14	43.25
2.696	12.51	48.88	0.76	8.73	83.41	1.04	43.25
2.715	12.5	48.89	0.84	8.73	84.36	1.05	43.25
2.728	12.5	48.89	0.84	8.73	85.05	1.1	43.25
2.74	12.5	48.89	0.76	8.73	85.52	1.14	43.25
2.75	12.5	48.89	0.76	8.73	85.03	1.14	43.25
2.763	12.5	48.89	0.65	8.73	85.56	1.09	43.25
2.777	12.5	48.89	0.53	8.73	86.82	1.08	43.25
2.796	12.5	48.88	0.72	8.73	91.3	1.08	43.25
2.815	12.5	48.88	0.72	8.73	93.25	1.09	43.25
2.832	12.5	48.88	0.69	8.73	92.58	1.08	43.25
2.846	12.5	48.89	0.65	8.73	90.65	1.08	43.25
2.859	12.5	48.88	0.8	8.74	91.49	1.04	43.25
2.876	12.5	48.88	0.76	8.74	94.97	1.11	43.25
2.896	12.5	48.88	0.76	8.74	101.22	1.11	43.25
2.918	12.5	48.88	0.61	8.74	98.35	1.09	43.25
2.934	12.5	48.88	0.61	8.73	97.92	1.08	43.25
2.945	12.5	48.88	0.65	8.72	97.78	1.09	43.25
2.954	12.5	48.88	0.69	8.72	99.71	1.08	43.25
2.963	12.5	48.88	0.69	8.72	113.68	1.09	43.25
2.979	12.5	48.88	0.8	8.71	116.65	1.09	43.25
2.996	12.5	48.88	0.57	8.69	111.88	1.11	43.25
3.015	12.5	48.88	0.65	8.68	113.32	1.14	43.25
3.036	12.5	48.88	0.72	8.68	116.76	1.14	43.25
3.055	12.5	48.88	0.65	8.67	129.08	1.08	43.25
3.073	12.5	48.88	0.8	8.67	128.01	1.09	43.25
3.092	12.5	48.88	0.76	8.68	117.24	1.17	43.25
3.107	12.5	48.88	0.8	8.69	125.92	1.17	43.25
3.118	12.5	48.88	0.88	8.7	138.7	1.09	43.25
3.126	12.5	48.88	0.84	8.72	172.62	1.11	43.25
3.137	12.5	48.88	0.84	8.73	168.2	1.1	43.25
3.151	12.5	48.88	0.84	8.74	162.52	1.11	43.25
3.169	12.5	48.88	0.8	8.75	191.55	1.1	43.25
3.19	12.5	48.89	0.72	8.75	209.33	1.13	43.25
3.216	12.5	48.89	0.72	8.75	213.55	1.11	43.25
3.241	12.51	48.89	0.57	8.73	215.69	1.12	43.25
3.26	12.51	48.89	0.76	8.72	222.64	1.08	43.25
3.269	12.51	48.89	0.65	8.7	201.06	1.08	43.25
3.273	12.5	48.89	0.84	8.7	215.19	1.1	43.25
3.281	12.5	48.89	0.72	8.7	214.29	1.15	43.25
3.298	12.5	48.89	0.76	8.7	191.28	1.13	43.25
3.32	12.5	48.89	0.69	8.7	215.49	1.14	43.25
3.34	12.5	48.89	0.61	8.71	242.86	1.11	43.25
3.357	12.5	48.89	0.8	8.72	240.9	1.17	43.25
3.371	12.5	48.89	0.88	8.73	198.65	1.12	43.25
3.386	12.5	48.89	0.72	8.74	226.44	1.16	43.25
3.404	12.5	48.88	0.72	8.73	208.03	1.05	43.25
3.422	12.5	48.88	0.72	8.73	228.02	1.14	43.25
3.441	12.5	48.88	0.8	8.72	203.03	1.14	43.25
3.458	12.5	48.89	0.65	8.72	226.29	1.14	43.25
3.474	12.5	48.89	0.72	8.72	242.24	1.11	43.25
3.49	12.5	48.88	0.76	8.72	230.04	1.15	43.25
3.501	12.5	48.89	0.76	8.72	215.69	1.08	43.25
3.512	12.5	48.89	0.72	8.72	227.6	1.1	43.25
3.528	12.5	48.88	0.69	8.72	237.79	1.12	43.25
3.546	12.5	48.89	0.76	8.72	228.61	1.11	43.25
3.566	12.5	48.89	0.65	8.72	224.46	1.14	43.25

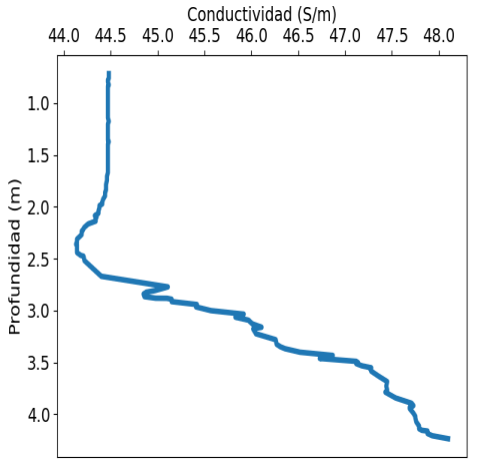
3.584	12.51	48.89	0.88	8.71	226.18	1.11	43.25
3.603	12.51	48.89	0.69	8.71	205.87	1.11	43.25
3.619	12.51	48.89	0.61	8.72	210.7	1.12	43.25
3.633	12.51	48.89	0.69	8.72	241.35	1.09	43.25
3.641	12.51	48.89	0.72	8.71	258.73	1.14	43.25
3.648	12.51	48.89	0.76	8.71	210.45	1.14	43.25
3.66	12.51	48.89	0.69	8.71	208.65	1.17	43.25
3.677	12.51	48.89	0.72	8.71	229.83	1.17	43.25
3.699	12.51	48.89	0.72	8.71	248.9	1.14	43.26
3.718	12.51	48.89	0.88	8.7	204.06	1.17	43.25
3.732	12.51	48.89	0.69	8.7	242.13	1.21	43.25
3.741	12.51	48.89	0.69	8.71	211.58	1.16	43.25
3.748	12.51	48.89	0.57	8.71	199.8	1.12	43.25
3.758	12.51	48.89	0.76	8.71	213.4	1.14	43.25
3.771	12.51	48.89	0.61	8.73	211.23	1.14	43.25
3.786	12.51	48.89	0.69	8.73	223.83	1.2	43.25
3.803	12.51	48.89	0.76	8.74	260.83	1.16	43.25
3.822	12.51	48.89	0.84	8.75	211.72	1.15	43.25
3.84	12.51	48.89	0.76	8.76	223.68	1.21	43.25
3.854	12.51	48.89	0.76	8.76	206.44	1.17	43.25
3.864	12.51	48.89	0.76	8.75	222.23	1.14	43.25
3.874	12.51	48.89	0.76	8.74	240.12	1.19	43.25
3.886	12.51	48.89	0.88	8.74	231.32	1.19	43.25
3.904	12.51	48.89	0.84	8.72	220.95	1.23	43.25
3.924	12.51	48.89	0.76	8.71	229.83	1.21	43.25
3.941	12.51	48.89	0.65	8.7	211.77	1.19	43.25
3.954	12.51	48.89	0.72	8.7	227.13	1.19	43.25
3.967	12.51	48.89	0.76	8.7	215.34	1.2	43.25
3.981	12.51	48.89	0.72	8.7	224.35	1.17	43.25
3.993	12.51	48.89	0.69	8.71	219.01	1.23	43.25
4.002	12.51	48.89	0.76	8.71	206.35	1.21	43.25
4.012	12.51	48.89	0.76	8.71	220.18	1.22	43.25
4.028	12.51	48.89	0.8	8.72	226.23	1.17	43.25
4.046	12.51	48.89	0.8	8.73	197.5	1.23	43.25
4.064	12.51	48.89	0.72	8.73	211.33	1.22	43.25
4.078	12.51	48.89	0.99	8.74	230.31	1.28	43.25
4.092	12.51	48.89	0.8	8.73	210.35	1.21	43.25
4.106	12.51	48.89	0.92	8.73	228.5	1.25	43.25
4.12	12.51	48.89	0.84	8.72	202.04	1.21	43.25
4.13	12.51	48.89	0.8	8.71	193.02	1.18	43.25
4.144	12.51	48.89	0.76	8.7	229.56	1.17	43.25
4.159	12.51	48.89	0.84	8.69	208.65	1.2	43.25
4.176	12.51	48.89	0.72	8.69	228.08	1.16	43.25
4.189	12.51	48.89	0.8	8.7	220.95	1.19	43.25
4.2	12.51	48.89	0.72	8.71	194.91	1.21	43.25
4.211	12.51	48.89	0.69	8.72	204.35	1.27	43.25
4.226	12.51	48.89	0.76	8.72	214.29	1.28	43.25
4.247	12.51	48.89	0.76	8.73	249.25	1.29	43.25
4.268	12.51	48.89	0.72	8.73	192.89	1.24	43.25
4.285	12.51	48.89	0.65	8.72	185.39	1.23	43.25
4.295	12.51	48.89	0.76	8.72	229.46	1.2	43.25
4.3	12.51	48.89	0.69	8.72	203.78	1.24	43.25
4.305	12.51	48.89	0.72	8.72	208.46	1.29	43.25
4.319	12.51	48.89	0.88	8.73	217.49	1.24	43.25
4.339	12.51	48.89	0.8	8.74	219.16	2.12	43.25
4.356	12.51	48.89	0.92	8.74	194.37	1.4	43.25
4.367	12.51	48.89	0.69	8.74	203.73	1.25	43.25
4.378	12.51	48.89	0.72	8.74	215.49	1.21	43.25

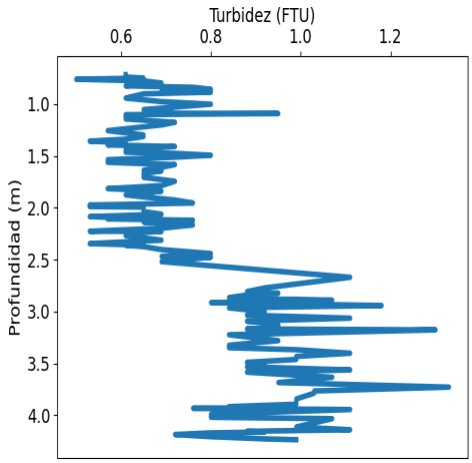
4.394	12.51	48.89	0.72	8.73	196.86	1.3	43.25
4.419	12.51	48.89	0.84	8.73	202.18	1.31	43.25
4.442	12.51	48.89	0.72	8.72	201.67	1.29	43.25
4.457	12.51	48.89	0.57	8.72	205.53	1.25	43.25
4.459	12.51	48.89	0.65	8.71	198.56	1.26	43.25
4.462	12.51	48.89	0.69	8.71	210.94	1.28	43.25
4.472	12.51	48.89	0.69	8.71	217.39	1.27	43.25
4.489	12.51	48.89	0.65	8.71	189.39	1.34	43.25
4.511	12.51	48.89	0.76	8.71	191.33	1.3	43.25
4.533	12.51	48.9	0.69	8.71	216.39	1.24	43.25
4.553	12.51	48.9	0.72	8.72	198.05	1.23	43.25
4.568	12.51	48.9	0.8	8.73	208.46	1.25	43.25
4.577	12.51	48.9	0.72	8.73	192.22	1.23	43.25
4.582	12.51	48.9	0.69	8.74	181.02	1.26	43.25
4.59	12.51	48.9	0.72	8.74	183.6	1.29	43.25
4.606	12.51	48.9	0.76	8.75	224.82	1.34	43.25
4.626	12.51	48.89	0.76	8.75	194.82	1.36	43.25
4.644	12.51	48.89	0.72	8.75	184.02	1.27	43.25
4.658	12.51	48.89	0.61	8.74	190.84	1.27	43.25
4.667	12.51	48.89	0.65	8.74	195.41	1.24	43.25
4.677	12.51	48.89	0.76	8.74	198.47	1.25	43.25
4.691	12.51	48.89	0.61	8.74	189.83	1.27	43.25
4.709	12.51	48.89	0.8	8.75	186.43	1.31	43.25
4.728	12.51	48.89	0.65	8.75	199.16	1.27	43.25
4.744	12.51	48.89	0.72	8.75	191.28	1.24	43.25
4.756	12.51	48.89	0.65	8.75	179.43	1.21	43.25
4.764	12.51	48.89	0.69	8.74	199.8	1.3	43.25
4.772	12.51	48.89	0.76	8.74	197.55	1.27	43.25
4.781	12.51	48.89	0.76	8.73	184.24	1.28	43.25
4.799	12.51	48.89	0.8	8.73	185.31	1.3	43.25
4.821	12.51	48.89	0.65	8.73	203.78	1.3	43.25
4.842	12.51	48.89	0.57	8.74	184.83	1.34	43.25
4.856	12.51	48.89	0.65	8.74	181.31	1.27	43.25
4.862	12.51	48.89	0.69	8.74	190.36	1.4	43.25
4.87	12.51	48.89	0.72	8.75	193.02	1.34	43.25
4.883	12.51	48.89	0.69	8.74	190.67	1.34	43.25
4.903	12.51	48.89	0.84	8.74	184.96	1.37	43.25
4.92	12.51	48.89	0.61	8.73	187.55	1.37	43.25
4.927	12.5	48.89	0.65	8.75	187.68	1.42	43.25
4.928	12.5	48.88	0.8	8.68	195.09	1.38	43.25
4.929	12.51	48.89	0.69	8.74	190.71	1.39	43.25
4.931	12.51	48.89	0.72	8.73	179.68	1.37	43.25
4.934	12.51	48.89	0.69	8.73	196.27	1.36	43.25
4.941	12.51	48.89	0.76	8.72	185.44	1.38	43.25
4.952	12.51	48.89	0.69	8.73	178.64	1.34	43.25
4.96	12.51	48.89	0.72	8.73	208.94	1.29	43.25

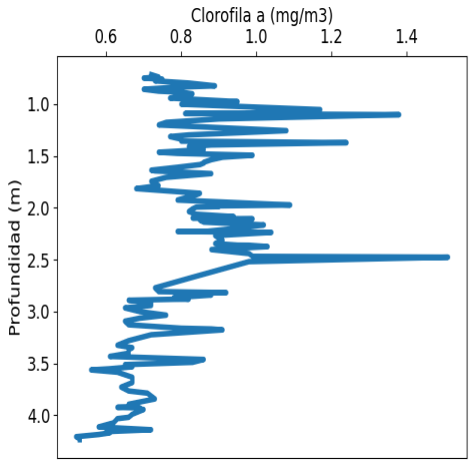
Nombre: CTD E05 - Punto 007 **Fecha: 05/02/2025** **Hora: 10:02:25**

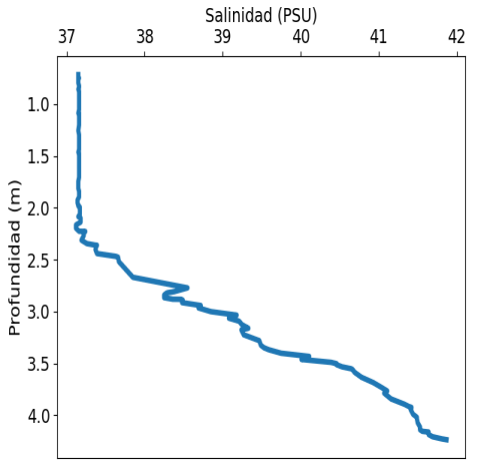


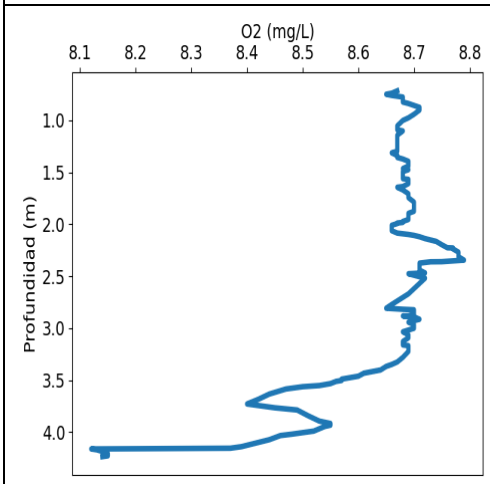


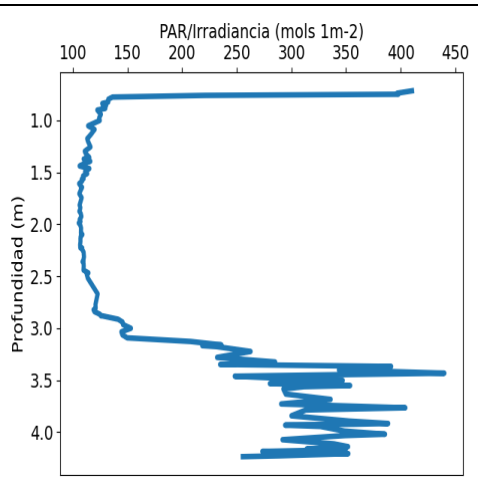


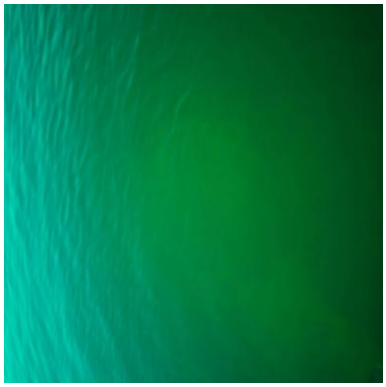












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	13.04	44.13	0.5	8.12	105.41	0.52	37.12
PROF (metros)	4.229	2.361	0.761	4.163	1.989	4.208	2.166
MÁXIMO	14.24	14.24	1.33	8.79	440.1	1.51	41.87
PROF (metros)	0.717	4.237	3.73	2.346	3.434	2.477	4.237

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E05 - Punto 007	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	14.23	44.47	0.67	8.68	193.86	0.78	37.16
1 - 2m	14.21	44.46	0.66	8.68	110.75	0.87	37.16
2 - 3m	13.74	44.51	0.76	8.71	115.73	0.88	37.67
3 - 4m	13.41	46.89	0.97	8.58	289.62	0.69	40.29
4 - 5m	13.06	47.86	0.92	8.28	323.05	0.6	41.62

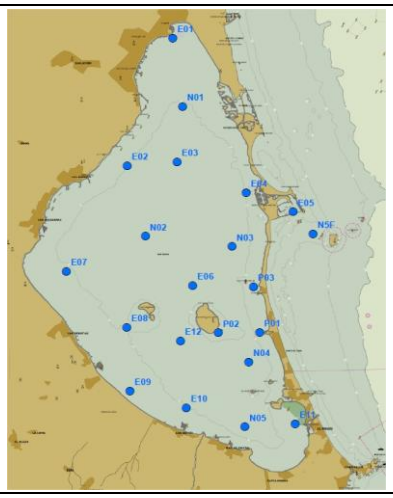
OBSERVACIONES GENERALES

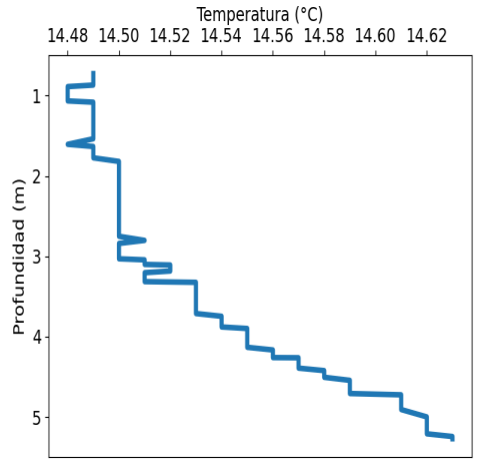
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.717	14.24	44.48	0.61	8.67	410.44	0.72	37.15
0.74	14.23	44.48	0.61	8.66	396.78	0.74	37.15
0.75	14.23	44.48	0.65	8.65	397.98	0.7	37.16
0.761	14.23	44.48	0.5	8.66	220.54	0.75	37.15
0.777	14.23	44.47	0.65	8.68	136.4	0.73	37.15
0.798	14.23	44.47	0.69	8.68	132.48	0.82	37.15
0.825	14.23	44.48	0.61	8.68	132.48	0.89	37.16
0.839	14.23	44.47	0.76	8.69	126.92	0.78	37.16
0.858	14.23	44.47	0.8	8.7	130.49	0.7	37.15
0.876	14.23	44.47	0.69	8.71	127.42	0.74	37.16
0.886	14.23	44.47	0.8	8.71	129.83	0.8	37.16
0.902	14.23	44.47	0.65	8.71	122.41	0.83	37.16
0.943	14.23	44.47	0.61	8.7	125.74	0.77	37.16
0.977	14.23	44.47	0.69	8.69	124.12	0.95	37.16
1.002	14.23	44.47	0.8	8.68	124.7	0.8	37.16
1.054	14.23	44.47	0.65	8.67	114.0	1.17	37.16
1.089	14.23	44.47	0.72	8.67	119.99	0.97	37.15
1.092	14.23	44.47	0.95	8.67	119.13	0.81	37.16
1.103	14.23	44.47	0.61	8.68	118.91	1.38	37.16
1.144	14.23	44.47	0.61	8.67	116.0	0.9	37.16
1.177	14.23	44.48	0.72	8.67	113.21	0.76	37.16
1.202	14.23	44.47	0.69	8.67	113.87	0.74	37.16
1.257	14.23	44.47	0.57	8.67	116.22	1.08	37.15
1.298	14.23	44.47	0.65	8.67	110.95	0.82	37.16
1.314	14.23	44.47	0.65	8.66	111.52	0.77	37.16
1.339	14.23	44.47	0.61	8.67	113.47	0.8	37.16
1.358	14.23	44.47	0.53	8.67	115.17	0.8	37.16
1.373	14.23	44.48	0.61	8.68	109.9	1.24	37.16
1.395	14.23	44.47	0.57	8.69	116.08	0.88	37.16
1.41	14.23	44.47	0.72	8.69	111.8	0.82	37.16
1.44	14.23	44.47	0.61	8.69	106.2	0.86	37.16
1.465	14.23	44.47	0.61	8.68	115.2	0.74	37.15
1.476	14.23	44.47	0.72	8.69	113.24	0.79	37.16
1.494	14.23	44.47	0.8	8.68	111.21	0.99	37.16
1.513	14.23	44.47	0.72	8.68	113.24	0.91	37.16
1.537	14.23	44.47	0.57	8.68	109.24	0.88	37.16
1.562	14.23	44.47	0.57	8.68	109.95	0.86	37.16

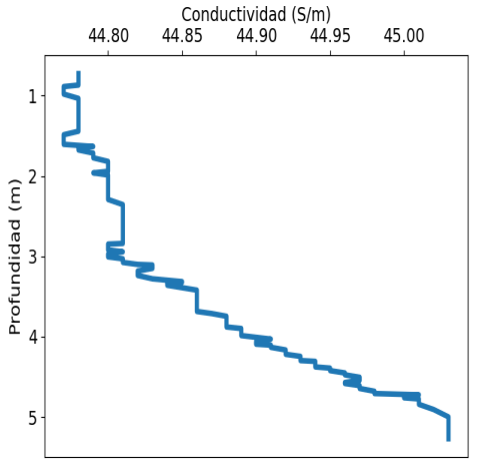
1.569	14.22	44.47	0.61	8.69	108.13	0.86	37.16
1.584	14.22	44.47	0.72	8.69	108.59	0.85	37.16
1.61	14.22	44.47	0.69	8.69	105.75	0.79	37.16
1.638	14.22	44.47	0.65	8.68	107.63	0.72	37.16
1.645	14.22	44.47	0.69	8.67	108.51	0.73	37.16
1.671	14.22	44.47	0.65	8.68	107.31	0.88	37.16
1.707	14.22	44.46	0.65	8.69	105.95	0.76	37.16
1.745	14.22	44.46	0.72	8.69	108.11	0.72	37.15
1.787	14.21	44.45	0.69	8.7	107.01	0.74	37.15
1.816	14.21	44.45	0.57	8.7	106.22	0.68	37.15
1.84	14.2	44.45	0.69	8.7	106.91	0.77	37.16
1.861	14.2	44.44	0.65	8.7	106.59	0.85	37.16
1.876	14.2	44.44	0.61	8.7	106.0	0.84	37.16
1.896	14.19	44.44	0.65	8.69	107.23	0.82	37.16
1.926	14.19	44.42	0.72	8.69	107.88	0.79	37.14
1.955	14.18	44.41	0.76	8.69	106.29	0.97	37.14
1.974	14.16	44.41	0.53	8.68	107.09	1.09	37.15
1.983	14.15	44.39	0.57	8.68	106.69	0.88	37.15
1.989	14.14	44.38	0.53	8.67	105.41	0.9	37.16
1.994	14.13	44.38	0.65	8.67	105.88	0.84	37.17
2.011	14.12	44.38	0.65	8.66	106.94	0.83	37.17
2.037	14.12	44.37	0.65	8.66	107.58	0.82	37.17
2.063	14.11	44.37	0.69	8.66	107.46	0.84	37.17
2.086	14.1	44.33	0.53	8.67	107.43	0.94	37.15
2.099	14.08	44.35	0.61	8.69	108.79	0.83	37.18
2.108	14.07	44.34	0.57	8.7	108.18	0.99	37.18
2.121	14.07	44.34	0.76	8.71	107.16	0.85	37.18
2.139	14.07	44.34	0.65	8.72	106.99	0.86	37.18
2.166	14.06	44.26	0.76	8.74	107.01	1.02	37.12
2.198	14.02	44.22	0.69	8.75	106.69	0.95	37.12
2.227	13.96	44.2	0.53	8.76	106.81	0.87	37.16
2.229	13.88	44.2	0.69	8.77	108.61	0.79	37.24
2.238	13.89	44.19	0.65	8.77	108.33	1.04	37.22
2.269	13.88	44.19	0.61	8.78	109.9	0.89	37.22
2.313	13.87	44.14	0.69	8.78	110.23	0.91	37.19
2.346	13.8	44.14	0.53	8.79	109.75	0.89	37.26
2.361	13.68	44.13	0.65	8.75	108.86	0.95	37.37
2.362	13.67	44.14	0.61	8.73	109.47	0.98	37.39
2.375	13.68	44.14	0.65	8.71	109.85	1.03	37.38
2.404	13.69	44.14	0.69	8.71	110.0	0.88	37.37
2.442	13.66	44.14	0.8	8.71	109.8	0.98	37.39
2.469	13.46	44.18	0.69	8.72	114.29	0.99	37.63
2.477	13.46	44.21	0.8	8.69	112.66	1.51	37.66
2.52	13.45	44.22	0.69	8.72	113.76	0.98	37.67
2.671	13.45	44.4	1.11	8.69	122.75	0.83	37.85
2.773	13.44	45.11	0.92	8.66	120.75	0.73	38.55
2.809	13.47	44.97	0.88	8.65	120.94	0.74	38.38
2.819	13.49	44.91	0.92	8.68	119.91	0.92	38.3
2.824	13.48	44.88	0.95	8.7	119.0	0.84	38.28
2.842	13.48	44.85	0.88	8.7	119.83	0.88	38.25
2.867	13.49	44.86	0.84	8.7	124.84	0.78	38.25
2.882	13.49	44.98	0.88	8.69	125.72	0.82	38.36
2.883	13.51	45.1	0.99	8.68	127.33	0.78	38.47
2.892	13.53	45.15	1.07	8.7	131.37	0.66	38.49
2.915	13.54	45.15	0.8	8.71	141.49	0.72	38.48
2.943	13.55	45.42	1.18	8.69	145.65	0.72	38.72
2.966	13.57	45.41	0.84	8.7	145.92	0.65	38.69
3.002	13.58	45.57	0.92	8.7	153.23	0.69	38.85

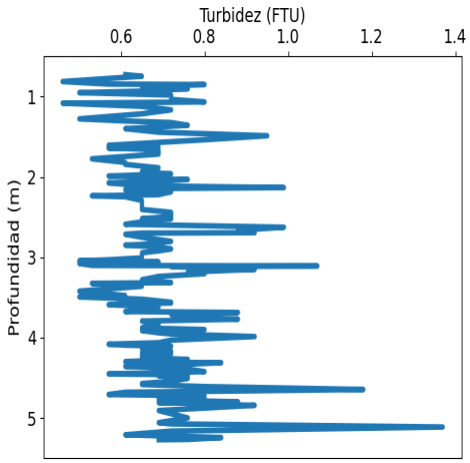
3.036	13.58	45.92	0.88	8.68	144.44	0.76	39.18
3.065	13.59	45.83	1.11	8.69	145.34	0.69	39.08
3.094	13.59	45.97	0.88	8.69	149.79	0.65	39.21
3.129	13.59	46.01	0.95	8.68	208.03	0.66	39.25
3.162	13.6	46.11	0.95	8.68	236.04	0.8	39.33
3.169	13.61	46.07	0.88	8.69	218.45	0.88	39.29
3.178	13.61	46.02	1.3	8.69	231.38	0.91	39.24
3.225	13.61	46.05	0.84	8.69	262.77	0.72	39.27
3.282	13.61	46.26	0.95	8.68	232.02	0.66	39.47
3.326	13.6	46.27	0.84	8.67	285.18	0.63	39.49
3.35	13.59	46.31	0.84	8.66	234.78	0.67	39.53
3.369	13.59	46.36	0.99	8.65	391.4	0.66	39.59
3.403	13.58	46.52	1.11	8.64	343.51	0.66	39.75
3.434	13.56	46.87	0.99	8.61	440.1	0.61	40.11
3.463	13.53	46.73	0.99	8.6	248.15	0.86	40.01
3.491	13.51	47.12	0.88	8.57	306.64	0.83	40.39
3.504	13.48	47.14	0.92	8.57	347.12	0.72	40.46
3.513	13.45	47.12	0.92	8.56	298.85	0.65	40.46
3.534	13.44	47.18	0.88	8.55	280.26	0.67	40.53
3.553	13.42	47.28	1.03	8.53	353.94	0.61	40.65
3.564	13.39	47.27	1.11	8.5	311.43	0.56	40.67
3.586	13.39	47.28	0.88	8.47	292.68	0.63	40.69
3.635	13.38	47.36	1.07	8.44	294.86	0.67	40.78
3.686	13.31	47.45	0.95	8.42	336.03	0.67	40.93
3.73	13.22	47.44	1.33	8.4	290.65	0.64	41.03
3.767	13.15	47.45	1.03	8.45	404.4	0.66	41.11
3.788	13.17	47.43	1.03	8.49	313.24	0.71	41.07
3.844	13.18	47.54	0.99	8.51	300.03	0.73	41.16
3.895	13.18	47.71	0.99	8.53	353.2	0.66	41.33
3.918	13.15	47.73	0.84	8.55	388.68	0.67	41.39
3.925	13.11	47.72	0.88	8.55	357.32	0.63	41.42
3.93	13.1	47.7	0.95	8.55	302.89	0.69	41.42
3.934	13.09	47.69	0.76	8.55	294.24	0.68	41.41
3.946	13.09	47.69	1.11	8.54	326.51	0.7	41.41
3.991	13.1	47.73	0.8	8.52	348.65	0.67	41.44
4.021	13.07	47.75	0.8	8.48	385.81	0.66	41.49
4.034	13.07	47.75	1.07	8.46	348.97	0.63	41.49
4.074	13.07	47.76	1.03	8.44	291.86	0.62	41.5
4.114	13.07	47.79	0.99	8.41	339.01	0.58	41.53
4.141	13.06	47.79	1.11	8.39	351.98	0.72	41.53
4.156	13.06	47.82	0.88	8.37	325.08	0.62	41.56
4.163	13.05	47.88	0.92	8.12	313.97	0.6	41.64
4.171	13.05	47.88	0.8	8.13	349.78	0.61	41.64
4.187	13.05	47.88	0.72	8.14	273.4	0.58	41.64
4.208	13.05	47.93	0.8	8.15	352.22	0.52	41.69
4.229	13.04	48.05	0.92	8.15	288.97	0.53	41.81
4.237	13.04	48.1	0.99	8.14	255.57	0.53	41.87

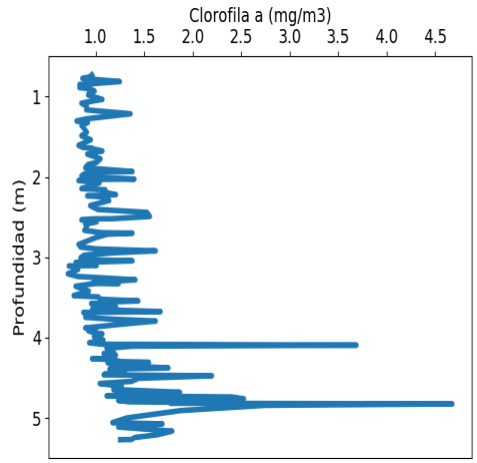
Nombre: CTD N5F - Punto 008 **Fecha: 05/02/2025** **Hora: 10:02:51**

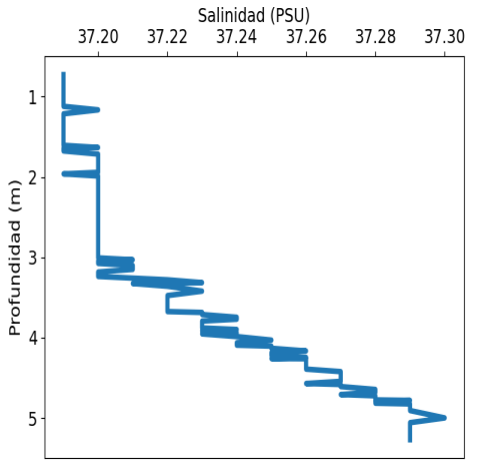


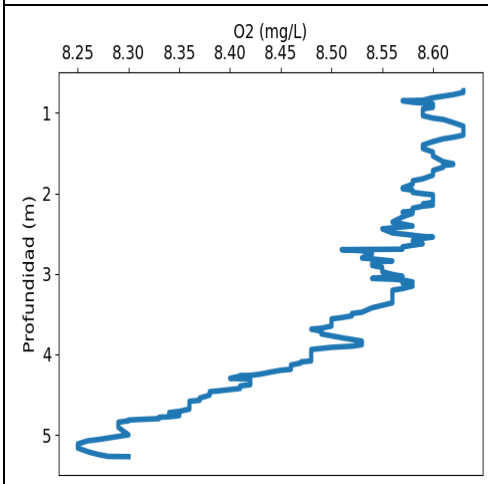


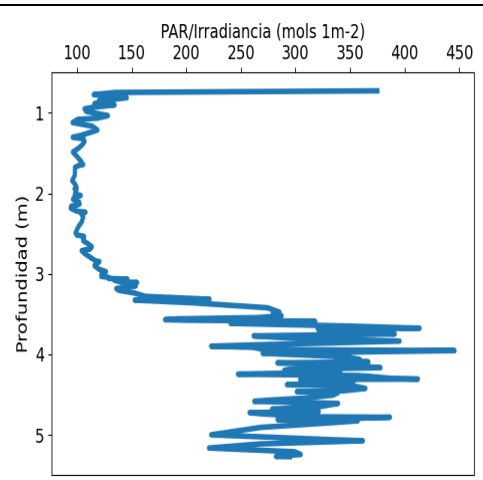












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	14.48	44.77	0.46	8.25	93.96	0.71	37.19
PROF (metros)	0.889	0.889	0.814	5.111	2.185	3.204	0.728
MÁXIMO	14.63	14.63	1.37	8.63	445.95	4.68	37.3
PROF (metros)	5.242	4.998	5.111	0.728	3.953	4.824	4.998

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N5F - Punto 008	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	14.49	44.78	0.64	8.6	143.2	0.94	37.19
1 - 2m	14.49	44.78	0.66	8.6	102.9	0.95	37.19
2 - 3m	14.5	44.8	0.69	8.57	106.08	1.05	37.2
3 - 4m	14.53	44.85	0.68	8.53	231.72	1.02	37.22
4 - 5m	14.58	44.96	0.72	8.39	324.07	1.52	37.27
5 - 6m	14.62	45.03	0.8	8.27	295.26	1.44	37.29

OBSERVACIONES GENERALES

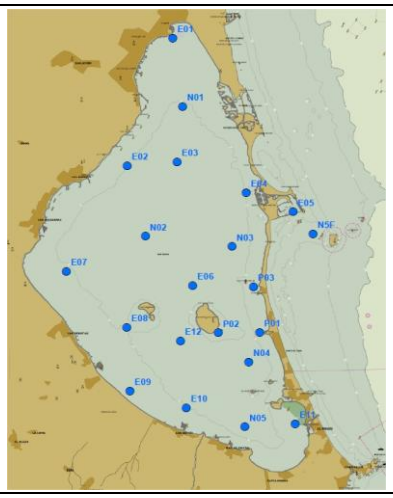
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.728	14.49	44.78	0.61	8.63	375.14	0.96	37.19
0.748	14.49	44.78	0.65	8.63	135.39	0.97	37.19
0.775	14.49	44.78	0.57	8.62	115.04	0.86	37.19
0.814	14.49	44.78	0.46	8.6	145.45	1.25	37.19
0.845	14.49	44.78	0.57	8.59	126.36	0.92	37.19
0.851	14.49	44.78	0.8	8.57	119.74	0.83	37.19
0.87	14.49	44.78	0.69	8.58	122.44	0.86	37.19
0.889	14.48	44.77	0.65	8.6	115.62	0.83	37.19
0.903	14.48	44.77	0.76	8.6	134.33	0.94	37.19
0.933	14.48	44.77	0.65	8.6	114.08	0.99	37.19
0.952	14.48	44.77	0.5	8.59	106.69	0.93	37.19
0.982	14.48	44.77	0.72	8.59	108.11	0.92	37.19
1.036	14.48	44.78	0.72	8.59	128.22	1.07	37.19
1.067	14.48	44.78	0.8	8.6	118.61	0.92	37.19
1.083	14.49	44.78	0.46	8.61	100.47	0.85	37.19
1.122	14.49	44.78	0.65	8.62	95.7	0.91	37.19
1.166	14.49	44.78	0.72	8.63	113.76	0.9	37.2
1.215	14.49	44.78	0.65	8.63	118.61	1.36	37.19
1.278	14.49	44.78	0.5	8.63	104.29	0.9	37.19
1.304	14.49	44.78	0.61	8.62	95.81	0.8	37.19
1.324	14.49	44.78	0.72	8.61	105.8	0.92	37.19
1.358	14.49	44.78	0.76	8.6	106.79	0.85	37.19
1.4	14.49	44.78	0.61	8.59	104.46	0.88	37.19
1.444	14.49	44.78	0.69	8.59	100.8	0.91	37.19
1.488	14.49	44.77	0.95	8.6	95.99	0.85	37.19
1.538	14.49	44.77	0.8	8.6	99.43	0.95	37.19
1.607	14.48	44.77	0.57	8.61	103.86	0.82	37.19
1.634	14.49	44.79	0.69	8.62	103.57	0.87	37.2
1.641	14.49	44.78	0.57	8.62	105.58	0.96	37.19
1.654	14.49	44.78	0.65	8.61	101.6	0.98	37.19
1.677	14.49	44.78	0.69	8.61	97.88	1.07	37.19
1.716	14.49	44.79	0.69	8.6	97.9	0.91	37.2
1.775	14.49	44.79	0.53	8.6	97.83	1.05	37.2
1.82	14.5	44.8	0.61	8.59	96.21	1.01	37.2
1.844	14.5	44.8	0.61	8.58	95.32	0.92	37.2
1.887	14.5	44.8	0.69	8.58	98.15	0.89	37.2

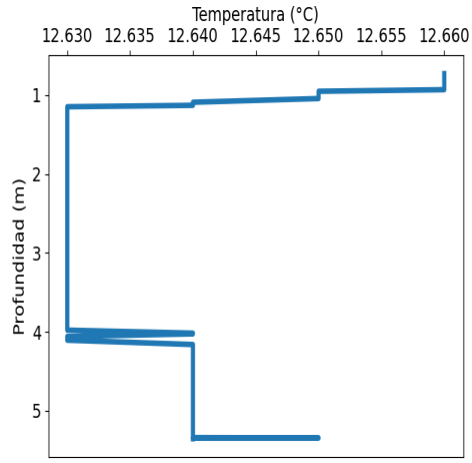
1.933	14.5	44.8	0.65	8.57	99.55	1.38	37.2
1.943	14.5	44.8	0.65	8.57	97.47	1.06	37.2
1.962	14.5	44.79	0.72	8.58	99.25	0.88	37.19
1.989	14.5	44.8	0.57	8.58	98.28	0.85	37.2
2.005	14.5	44.8	0.69	8.59	97.88	0.86	37.2
2.018	14.5	44.8	0.65	8.6	100.64	1.26	37.2
2.027	14.5	44.8	0.69	8.6	103.31	1.4	37.2
2.032	14.5	44.8	0.76	8.6	102.07	0.93	37.2
2.045	14.5	44.8	0.72	8.6	97.49	0.82	37.2
2.074	14.5	44.8	0.57	8.6	96.1	1.04	37.2
2.11	14.5	44.8	0.65	8.6	101.76	0.95	37.2
2.133	14.5	44.8	0.99	8.59	102.26	0.89	37.2
2.146	14.5	44.8	0.65	8.6	99.89	0.85	37.2
2.16	14.5	44.8	0.61	8.59	94.44	1.1	37.2
2.185	14.5	44.8	0.72	8.58	93.96	1.07	37.2
2.221	14.5	44.8	0.69	8.58	99.52	1.21	37.2
2.235	14.5	44.8	0.53	8.57	107.68	0.91	37.2
2.247	14.5	44.8	0.61	8.58	103.31	1.05	37.2
2.293	14.5	44.8	0.65	8.57	105.53	1.14	37.2
2.357	14.5	44.81	0.65	8.56	104.08	0.94	37.2
2.405	14.5	44.81	0.65	8.58	101.57	1.02	37.2
2.441	14.5	44.81	0.72	8.55	100.08	1.53	37.2
2.492	14.5	44.81	0.72	8.56	98.49	1.56	37.2
2.52	14.5	44.81	0.65	8.58	99.75	1.17	37.2
2.522	14.5	44.81	0.72	8.58	101.86	0.96	37.2
2.535	14.5	44.81	0.65	8.59	106.27	0.85	37.2
2.543	14.5	44.81	0.65	8.6	104.9	0.97	37.2
2.559	14.5	44.81	0.65	8.59	106.0	1.01	37.2
2.589	14.5	44.81	0.61	8.58	105.48	0.89	37.2
2.626	14.5	44.81	0.99	8.59	109.9	0.91	37.2
2.664	14.5	44.81	0.88	8.57	113.45	0.88	37.2
2.694	14.5	44.81	0.92	8.57	111.7	1.06	37.2
2.699	14.5	44.81	0.65	8.51	108.36	1.38	37.2
2.713	14.5	44.81	0.61	8.53	104.08	1.12	37.2
2.751	14.5	44.81	0.65	8.54	107.21	1.01	37.2
2.802	14.51	44.81	0.72	8.53	112.84	0.9	37.2
2.84	14.5	44.81	0.65	8.56	117.03	0.82	37.2
2.848	14.5	44.8	0.61	8.55	120.41	0.85	37.2
2.872	14.5	44.8	0.69	8.54	117.87	0.84	37.2
2.896	14.5	44.8	0.72	8.54	115.79	1.01	37.2
2.92	14.5	44.8	0.69	8.55	117.73	1.62	37.2
2.944	14.5	44.81	0.65	8.55	120.13	1.18	37.2
2.973	14.5	44.8	0.65	8.55	126.39	0.88	37.2
3.007	14.5	44.8	0.65	8.56	122.18	0.84	37.2
3.031	14.5	44.81	0.57	8.57	122.01	0.97	37.21
3.044	14.51	44.81	0.5	8.55	128.96	1.38	37.2
3.057	14.51	44.81	0.69	8.54	128.72	1.04	37.2
3.066	14.51	44.81	0.61	8.56	146.09	0.79	37.2
3.076	14.51	44.81	0.5	8.57	133.74	0.92	37.2
3.101	14.51	44.82	0.53	8.58	139.37	1.01	37.21
3.108	14.52	44.83	1.07	8.57	154.98	0.72	37.21
3.116	14.52	44.83	0.72	8.57	145.28	0.77	37.21
3.15	14.52	44.83	0.92	8.58	153.69	0.82	37.21
3.183	14.52	44.82	0.76	8.57	135.74	0.76	37.2
3.204	14.51	44.82	0.8	8.56	138.09	0.71	37.2
3.238	14.51	44.82	0.69	8.56	152.59	0.81	37.2
3.28	14.51	44.83	0.65	8.56	162.52	1.41	37.22
3.315	14.51	44.85	0.72	8.56	221.36	0.97	37.23

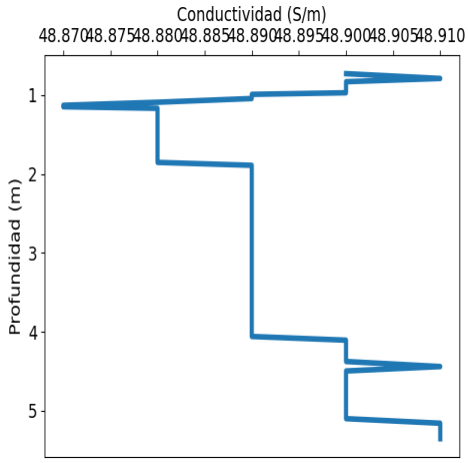
3.324	14.53	44.85	0.53	8.56	164.11	1.24	37.22
3.326	14.53	44.84	0.65	8.56	152.63	0.99	37.21
3.36	14.53	44.84	0.65	8.56	206.49	0.79	37.22
3.421	14.53	44.86	0.5	8.54	274.41	0.93	37.23
3.476	14.53	44.86	0.61	8.53	285.51	0.77	37.22
3.493	14.53	44.86	0.5	8.52	279.29	1.03	37.22
3.521	14.53	44.86	0.65	8.52	287.5	1.04	37.22
3.543	14.53	44.86	0.69	8.51	265.71	1.44	37.22
3.559	14.53	44.86	0.72	8.5	190.8	1.05	37.22
3.569	14.53	44.86	0.72	8.5	180.47	1.14	37.22
3.575	14.53	44.86	0.61	8.5	199.71	0.95	37.22
3.59	14.53	44.86	0.57	8.5	318.22	1.03	37.22
3.615	14.53	44.86	0.69	8.5	240.45	1.21	37.22
3.648	14.53	44.86	0.65	8.5	348.16	0.96	37.22
3.675	14.53	44.86	0.61	8.49	413.98	1.67	37.22
3.686	14.53	44.86	0.88	8.48	320.44	0.87	37.23
3.712	14.53	44.87	0.72	8.49	342.0	0.98	37.23
3.746	14.54	44.88	0.76	8.49	391.21	0.89	37.24
3.77	14.54	44.88	0.88	8.5	261.68	1.17	37.24
3.793	14.54	44.88	0.65	8.51	288.84	1.62	37.23
3.835	14.54	44.88	0.69	8.53	395.5	1.24	37.23
3.879	14.54	44.88	0.65	8.53	269.37	0.89	37.23
3.898	14.55	44.89	0.8	8.52	222.64	1.0	37.24
3.912	14.55	44.89	0.65	8.5	260.89	0.92	37.23
3.939	14.55	44.89	0.69	8.48	271.13	0.98	37.24
3.953	14.55	44.89	0.72	8.48	445.95	1.07	37.23
3.986	14.55	44.89	0.92	8.48	269.94	0.98	37.24
4.03	14.55	44.91	0.72	8.48	346.07	1.08	37.25
4.063	14.55	44.9	0.69	8.48	359.15	0.93	37.24
4.081	14.55	44.9	0.57	8.48	336.89	1.06	37.24
4.093	14.55	44.9	0.61	8.47	366.97	3.69	37.24
4.105	14.55	44.91	0.72	8.47	283.4	1.38	37.25
4.132	14.55	44.91	0.65	8.46	341.13	1.11	37.25
4.165	14.56	44.92	0.72	8.46	378.11	1.14	37.26
4.185	14.56	44.92	0.65	8.46	294.65	1.19	37.25
4.197	14.56	44.92	0.72	8.45	289.71	1.08	37.25
4.219	14.56	44.92	0.65	8.44	341.29	1.21	37.25
4.245	14.56	44.93	0.65	8.43	247.29	1.08	37.26
4.26	14.56	44.93	0.72	8.42	347.84	1.12	37.25
4.262	14.57	44.93	0.72	8.41	356.49	0.96	37.26
4.27	14.57	44.93	0.76	8.41	366.04	1.14	37.26
4.297	14.57	44.93	0.61	8.4	387.15	1.26	37.26
4.307	14.57	44.94	0.72	8.42	412.35	1.55	37.26
4.311	14.57	44.94	0.84	8.42	304.37	1.12	37.26
4.33	14.57	44.94	0.76	8.42	353.45	1.17	37.26
4.357	14.57	44.94	0.61	8.42	344.39	1.41	37.26
4.376	14.57	44.94	0.72	8.42	292.2	1.75	37.26
4.391	14.57	44.95	0.76	8.41	353.2	1.14	37.26
4.422	14.58	44.95	0.8	8.41	364.26	1.3	37.27
4.451	14.58	44.96	0.57	8.39	344.39	1.09	37.27
4.462	14.58	44.96	0.76	8.38	301.21	1.08	37.27
4.474	14.58	44.96	0.69	8.38	339.16	2.2	37.27
4.505	14.58	44.97	0.76	8.38	334.56	1.44	37.27
4.543	14.59	44.97	0.72	8.37	307.42	1.37	37.27
4.57	14.59	44.96	0.65	8.37	273.65	1.04	37.26
4.582	14.59	44.96	0.65	8.36	262.23	1.12	37.27
4.608	14.59	44.97	0.8	8.36	339.16	1.27	37.27
4.644	14.59	44.97	1.18	8.36	324.18	1.18	37.28

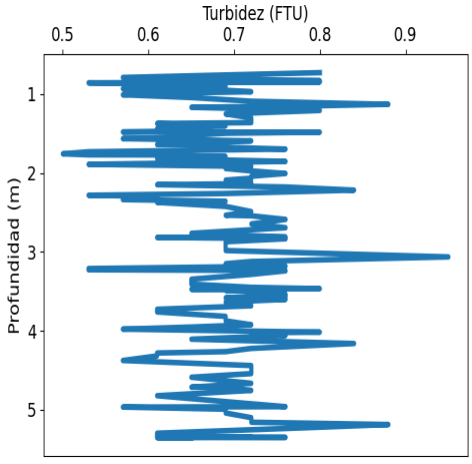
4.679	14.59	44.98	0.61	8.36	278.58	1.87	37.28
4.707	14.59	44.98	0.57	8.35	321.48	1.3	37.27
4.723	14.61	45.01	0.8	8.34	257.95	1.11	37.28
4.737	14.61	45.0	0.69	8.35	268.81	2.4	37.28
4.76	14.61	45.0	0.8	8.35	297.81	2.53	37.28
4.774	14.61	45.01	0.69	8.34	316.09	1.43	37.28
4.78	14.61	45.01	0.72	8.33	386.71	1.23	37.29
4.797	14.61	45.01	0.88	8.33	346.63	1.34	37.28
4.808	14.61	45.01	0.69	8.31	283.53	2.22	37.28
4.815	14.61	45.01	0.76	8.3	344.39	1.77	37.28
4.824	14.61	45.01	0.76	8.3	357.24	4.68	37.29
4.841	14.61	45.01	0.92	8.29	340.58	2.75	37.29
4.906	14.61	45.02	0.69	8.29	268.06	1.88	37.29
4.998	14.62	45.03	0.76	8.3	222.75	1.32	37.3
5.057	14.62	45.03	0.69	8.27	330.4	1.17	37.29
5.072	14.62	45.03	0.72	8.26	361.9	1.69	37.29
5.111	14.62	45.03	1.37	8.25	267.63	1.23	37.29
5.162	14.62	45.03	0.72	8.25	220.74	1.79	37.29
5.208	14.62	45.03	0.61	8.26	299.26	1.63	37.29
5.242	14.63	45.03	0.84	8.27	304.93	1.4	37.29
5.266	14.63	45.03	0.76	8.28	282.09	1.37	37.29
5.269	14.63	45.03	0.69	8.3	295.13	1.25	37.29

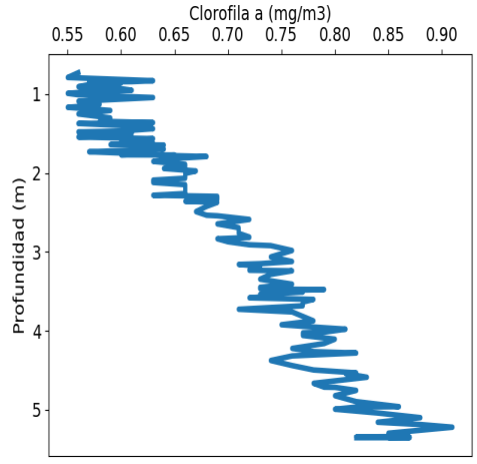
Nombre: CTD E04 - Punto 009 **Fecha: 05/02/2025** **Hora: 10:02:44**

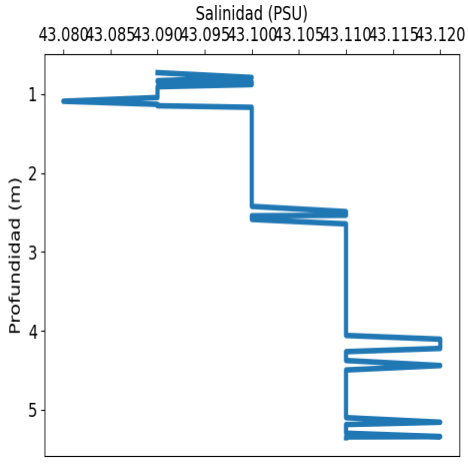


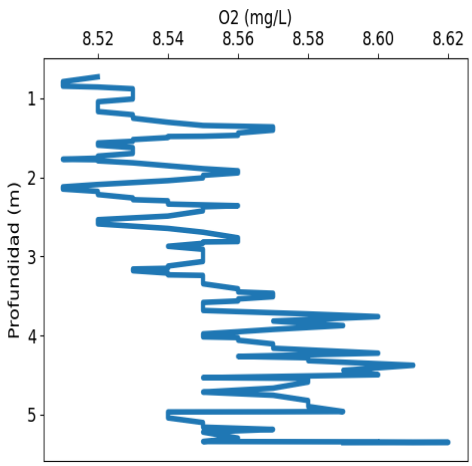


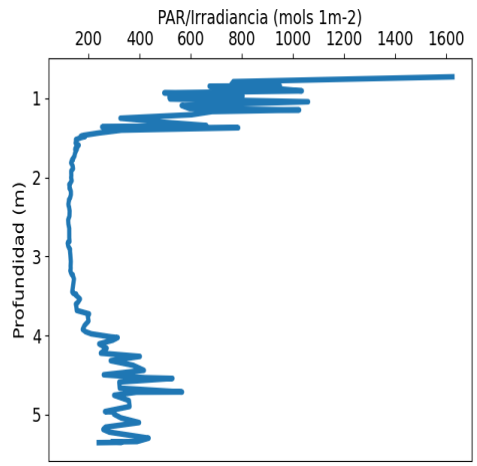












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.63	48.87	0.5	8.51	117.87	0.55	43.08
PROF (metros)	1.148	1.13	1.757	0.79	2.833	0.79	1.091
MÁXIMO	12.66	12.66	0.95	8.63	1624.3	0.91	43.12
PROF (metros)	0.729	0.79	3.063	5.349	0.729	5.22	4.105

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E04 - Punto 009	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.66	48.9	0.67	8.52	851.01	0.58	43.09
1 - 2m	12.63	48.88	0.67	8.54	303.37	0.61	43.1
2 - 3m	12.63	48.89	0.69	8.54	124.79	0.68	43.1
3 - 4m	12.63	48.89	0.7	8.56	154.32	0.75	43.11
4 - 5m	12.64	48.9	0.69	8.57	338.28	0.8	43.11
5 - 6m	12.64	48.91	0.7	8.57	315.83	0.86	43.11

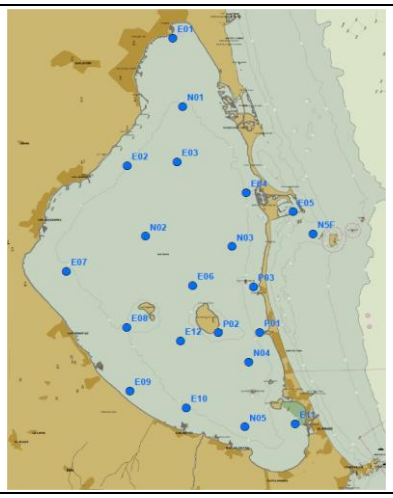
OBSERVACIONES GENERALES

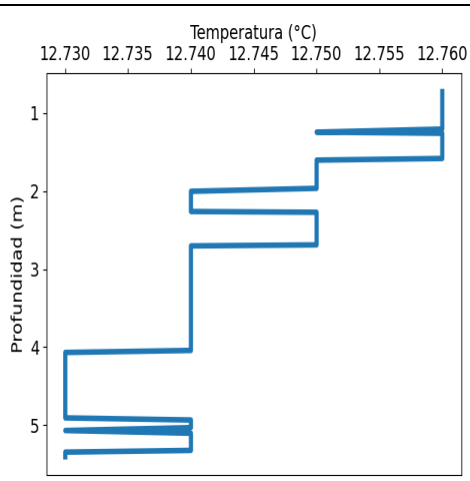
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.729	12.66	48.9	0.8	8.52	1624.3	0.56	43.09
0.79	12.66	48.91	0.57	8.51	766.52	0.55	43.1
0.831	12.66	48.9	0.8	8.51	757.34	0.63	43.09
0.843	12.66	48.9	0.61	8.51	949.15	0.61	43.09
0.847	12.66	48.9	0.8	8.51	673.06	0.57	43.1
0.858	12.66	48.9	0.53	8.52	923.97	0.6	43.1
0.88	12.66	48.9	0.69	8.53	942.13	0.57	43.1
0.907	12.66	48.9	0.69	8.53	1034.9	0.56	43.09
0.932	12.66	48.9	0.57	8.53	495.55	0.6	43.09
0.952	12.65	48.9	0.69	8.53	726.4	0.61	43.09
0.971	12.65	48.9	0.72	8.53	802.89	0.57	43.09
0.991	12.65	48.89	0.61	8.53	515.94	0.55	43.09
1.009	12.65	48.89	0.57	8.53	518.22	0.56	43.09
1.044	12.65	48.89	0.65	8.52	1059.4	0.63	43.09
1.091	12.64	48.88	0.72	8.52	563.71	0.56	43.08
1.13	12.64	48.87	0.88	8.52	594.99	0.58	43.09
1.148	12.63	48.87	0.8	8.52	1024.4	0.57	43.09
1.168	12.63	48.88	0.65	8.52	682.96	0.55	43.1
1.208	12.63	48.88	0.8	8.53	603.18	0.59	43.1
1.252	12.63	48.88	0.69	8.53	324.25	0.56	43.1
1.303	12.63	48.88	0.72	8.54	493.26	0.59	43.1
1.344	12.63	48.88	0.72	8.55	660.7	0.58	43.1
1.362	12.63	48.88	0.72	8.57	252.5	0.63	43.1
1.373	12.63	48.88	0.61	8.57	785.77	0.56	43.1
1.403	12.63	48.88	0.69	8.57	328.18	0.61	43.1
1.439	12.63	48.88	0.61	8.56	238.84	0.63	43.1
1.468	12.63	48.88	0.65	8.56	180.77	0.6	43.1
1.48	12.63	48.88	0.57	8.55	168.9	0.56	43.1
1.483	12.63	48.88	0.8	8.54	186.43	0.57	43.1
1.497	12.63	48.88	0.69	8.54	170.55	0.61	43.1
1.522	12.63	48.88	0.65	8.53	149.96	0.6	43.1
1.544	12.63	48.88	0.65	8.53	151.5	0.56	43.1
1.565	12.63	48.88	0.57	8.52	148.62	0.63	43.1
1.593	12.63	48.88	0.72	8.52	161.55	0.6	43.1
1.624	12.63	48.88	0.65	8.53	149.51	0.63	43.1
1.64	12.63	48.88	0.61	8.53	154.62	0.59	43.1

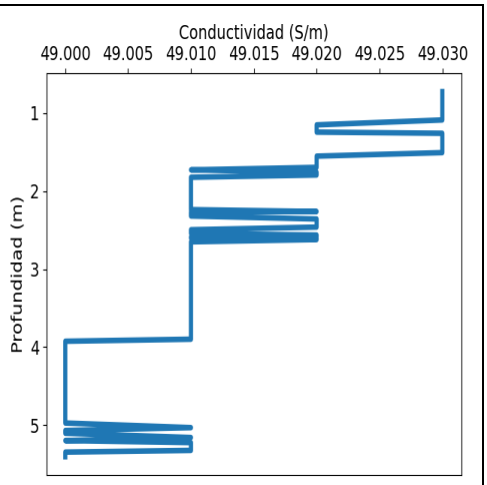
1.646	12.63	48.88	0.69	8.53	147.04	0.64	43.1
1.662	12.63	48.88	0.65	8.53	151.05	0.62	43.1
1.697	12.63	48.88	0.76	8.53	146.39	0.64	43.1
1.731	12.63	48.88	0.53	8.52	144.61	0.57	43.1
1.757	12.63	48.88	0.5	8.52	139.31	0.62	43.1
1.77	12.63	48.88	0.53	8.51	138.76	0.6	43.1
1.772	12.63	48.88	0.65	8.51	135.9	0.65	43.1
1.777	12.63	48.88	0.61	8.52	138.28	0.64	43.1
1.791	12.63	48.88	0.69	8.52	133.8	0.68	43.1
1.816	12.63	48.88	0.61	8.53	131.13	0.65	43.1
1.853	12.63	48.88	0.76	8.54	137.39	0.63	43.1
1.89	12.63	48.89	0.53	8.55	139.18	0.66	43.1
1.917	12.63	48.89	0.72	8.56	131.83	0.66	43.1
1.943	12.63	48.89	0.69	8.56	131.77	0.64	43.1
1.974	12.63	48.89	0.72	8.55	132.23	0.67	43.1
2.006	12.63	48.89	0.76	8.55	131.28	0.66	43.1
2.041	12.63	48.89	0.72	8.54	133.77	0.66	43.1
2.066	12.63	48.89	0.72	8.53	129.71	0.66	43.1
2.09	12.63	48.89	0.69	8.52	123.84	0.63	43.1
2.12	12.63	48.89	0.72	8.51	125.89	0.63	43.1
2.138	12.63	48.89	0.69	8.51	124.7	0.65	43.1
2.148	12.63	48.89	0.61	8.51	127.59	0.66	43.1
2.177	12.63	48.89	0.76	8.52	130.37	0.66	43.1
2.217	12.63	48.89	0.84	8.52	130.56	0.66	43.1
2.26	12.63	48.89	0.69	8.53	127.3	0.66	43.1
2.282	12.63	48.89	0.53	8.53	122.81	0.63	43.1
2.296	12.63	48.89	0.61	8.54	122.66	0.69	43.1
2.337	12.63	48.89	0.57	8.54	120.69	0.69	43.1
2.358	12.63	48.89	0.69	8.56	121.31	0.66	43.1
2.372	12.63	48.89	0.61	8.55	123.12	0.69	43.1
2.423	12.63	48.89	0.69	8.55	125.54	0.68	43.1
2.489	12.63	48.89	0.72	8.54	124.9	0.67	43.11
2.535	12.63	48.89	0.69	8.52	119.88	0.68	43.11
2.542	12.63	48.89	0.72	8.52	119.83	0.69	43.1
2.588	12.63	48.89	0.76	8.52	120.66	0.72	43.1
2.645	12.63	48.89	0.72	8.54	124.01	0.69	43.11
2.693	12.63	48.89	0.76	8.55	123.95	0.71	43.11
2.764	12.63	48.89	0.65	8.56	124.12	0.71	43.11
2.811	12.63	48.89	0.76	8.56	125.1	0.72	43.11
2.816	12.63	48.89	0.61	8.55	119.47	0.72	43.11
2.833	12.63	48.89	0.76	8.55	117.87	0.69	43.11
2.871	12.63	48.89	0.69	8.54	120.27	0.7	43.11
2.909	12.63	48.89	0.69	8.55	127.42	0.72	43.11
2.92	12.63	48.89	0.69	8.55	126.65	0.74	43.11
2.982	12.63	48.89	0.69	8.55	128.42	0.76	43.11
3.063	12.63	48.89	0.95	8.55	130.1	0.74	43.11
3.121	12.63	48.89	0.72	8.54	129.29	0.76	43.11
3.149	12.63	48.89	0.69	8.54	129.62	0.73	43.11
3.158	12.63	48.89	0.69	8.53	129.35	0.71	43.11
3.18	12.63	48.89	0.76	8.53	128.1	0.73	43.11
3.21	12.63	48.89	0.53	8.54	131.22	0.73	43.11
3.226	12.63	48.89	0.53	8.54	133.8	0.72	43.11
3.232	12.63	48.89	0.69	8.54	138.47	0.72	43.11
3.239	12.63	48.89	0.76	8.55	137.9	0.76	43.11
3.284	12.63	48.89	0.72	8.55	142.54	0.74	43.11
3.345	12.63	48.89	0.65	8.55	140.15	0.73	43.11
3.408	12.63	48.89	0.65	8.56	137.42	0.76	43.11
3.448	12.63	48.89	0.72	8.56	135.74	0.73	43.11

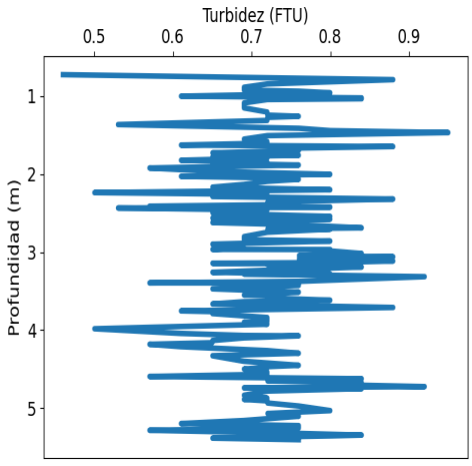
3.465	12.63	48.89	0.8	8.57	139.28	0.73	43.11
3.473	12.63	48.89	0.65	8.57	146.39	0.76	43.11
3.476	12.63	48.89	0.76	8.57	151.33	0.79	43.11
3.486	12.63	48.89	0.69	8.57	148.75	0.76	43.11
3.508	12.63	48.89	0.72	8.57	156.72	0.77	43.11
3.537	12.63	48.89	0.76	8.56	166.33	0.73	43.11
3.562	12.63	48.89	0.76	8.56	161.55	0.74	43.11
3.581	12.63	48.89	0.69	8.55	157.63	0.72	43.11
3.601	12.63	48.89	0.76	8.55	149.76	0.78	43.11
3.635	12.63	48.89	0.69	8.55	151.75	0.77	43.11
3.682	12.63	48.89	0.72	8.55	153.3	0.77	43.11
3.726	12.63	48.89	0.61	8.58	201.99	0.71	43.11
3.76	12.63	48.89	0.61	8.6	196.82	0.76	43.11
3.816	12.63	48.89	0.69	8.57	199.62	0.77	43.11
3.873	12.63	48.89	0.69	8.59	183.72	0.78	43.11
3.922	12.63	48.89	0.72	8.57	176.63	0.75	43.11
3.951	12.63	48.89	0.65	8.56	188.03	0.78	43.11
3.978	12.63	48.89	0.57	8.55	210.6	0.81	43.11
4.016	12.64	48.89	0.8	8.55	287.3	0.79	43.11
4.025	12.64	48.89	0.72	8.56	314.19	0.77	43.11
4.058	12.63	48.89	0.76	8.56	294.45	0.77	43.11
4.105	12.63	48.9	0.65	8.57	240.96	0.8	43.12
4.16	12.64	48.9	0.84	8.57	270.88	0.79	43.12
4.222	12.64	48.9	0.72	8.6	247.35	0.76	43.12
4.263	12.64	48.9	0.69	8.56	400.76	0.78	43.11
4.28	12.64	48.9	0.61	8.58	364.6	0.82	43.11
4.317	12.64	48.9	0.61	8.58	285.97	0.76	43.11
4.375	12.64	48.9	0.57	8.61	373.58	0.74	43.11
4.439	12.64	48.91	0.72	8.59	416.57	0.76	43.12
4.495	12.64	48.9	0.72	8.6	258.85	0.78	43.11
4.532	12.64	48.9	0.72	8.55	420.16	0.82	43.11
4.541	12.64	48.9	0.72	8.58	528.41	0.81	43.11
4.587	12.64	48.9	0.65	8.58	319.77	0.83	43.11
4.664	12.64	48.9	0.72	8.57	321.56	0.78	43.11
4.713	12.64	48.9	0.65	8.55	566.06	0.79	43.11
4.715	12.64	48.9	0.69	8.55	387.15	0.8	43.11
4.754	12.64	48.9	0.72	8.57	299.47	0.82	43.11
4.821	12.64	48.9	0.61	8.58	357.82	0.8	43.11
4.896	12.64	48.9	0.69	8.58	360.4	0.82	43.11
4.96	12.64	48.9	0.76	8.59	263.57	0.86	43.11
4.963	12.64	48.9	0.61	8.57	278.06	0.83	43.11
4.965	12.64	48.9	0.57	8.54	300.44	0.82	43.11
4.992	12.64	48.9	0.69	8.54	298.78	0.8	43.11
5.04	12.64	48.9	0.69	8.54	326.66	0.84	43.11
5.099	12.64	48.9	0.72	8.55	397.8	0.88	43.11
5.157	12.64	48.91	0.72	8.55	265.84	0.84	43.12
5.186	12.64	48.91	0.88	8.57	256.99	0.88	43.11
5.22	12.64	48.91	0.8	8.55	281.17	0.91	43.11
5.296	12.64	48.91	0.61	8.56	435.33	0.85	43.11
5.339	12.64	48.91	0.61	8.55	389.4	0.85	43.12
5.343	12.65	48.91	0.72	8.6	289.51	0.82	43.11
5.345	12.64	48.91	0.65	8.6	302.19	0.87	43.11
5.349	12.64	48.91	0.76	8.62	329.63	0.85	43.11
5.352	12.64	48.91	0.61	8.61	276.33	0.87	43.11
5.353	12.64	48.91	0.65	8.59	239.06	0.82	43.11

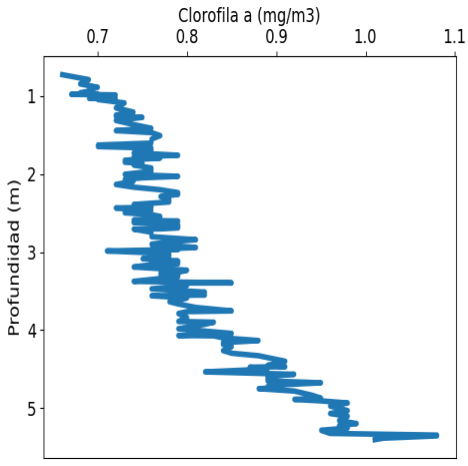
Nombre: CTD N03 - Punto 010 **Fecha: 05/02/2025** **Hora: 10:02:09**

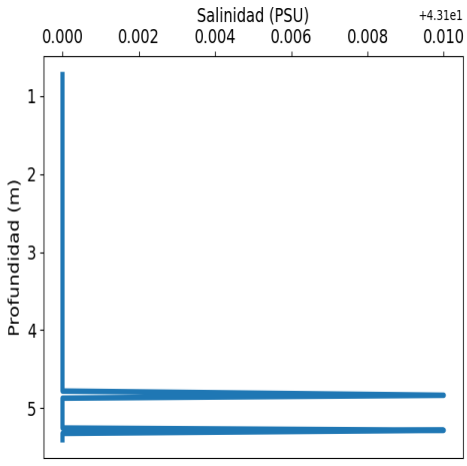


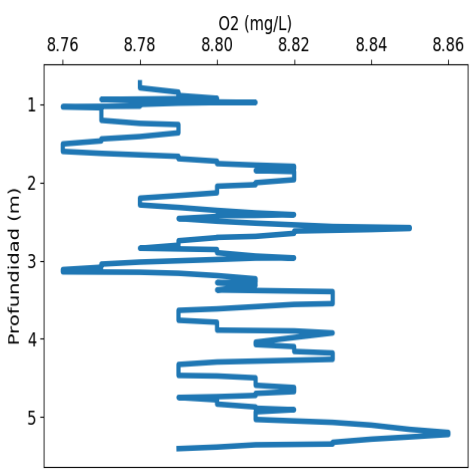


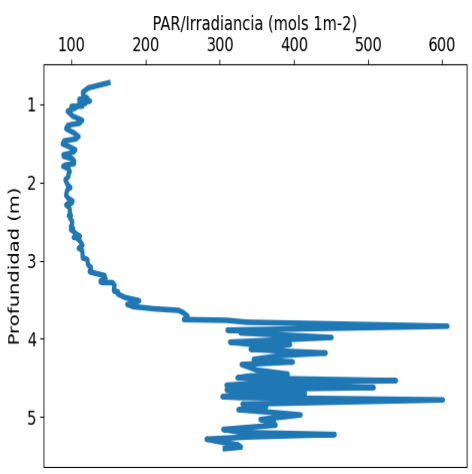


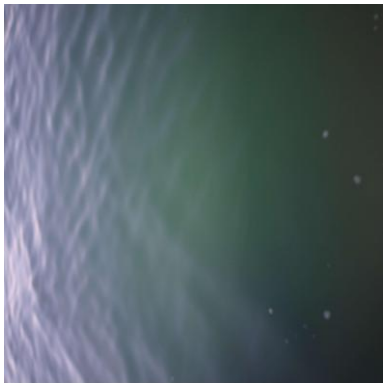












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.73	49.0	0.46	8.76	87.98	0.66	43.1
PROF (metros)	4.069	3.925	0.724	1.033	1.506	0.724	0.724
MÁXIMO	12.76	12.76	0.95	8.86	607.1	1.08	43.11
PROF (metros)	0.724	0.724	1.467	5.199	3.839	5.347	2.237

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N03 - Punto 010	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.76	49.03	0.72	8.79	120.09	0.69	43.1
1 - 2m	12.75	49.02	0.72	8.79	99.54	0.74	43.1
2 - 3m	12.74	49.01	0.72	8.81	102.13	0.76	43.1
3 - 4m	12.74	49.01	0.73	8.8	204.49	0.79	43.1
4 - 5m	12.73	49.0	0.72	8.81	373.15	0.89	43.1
5 - 6m	12.73	49.0	0.73	8.83	338.06	0.99	43.1

OBSERVACIONES GENERALES

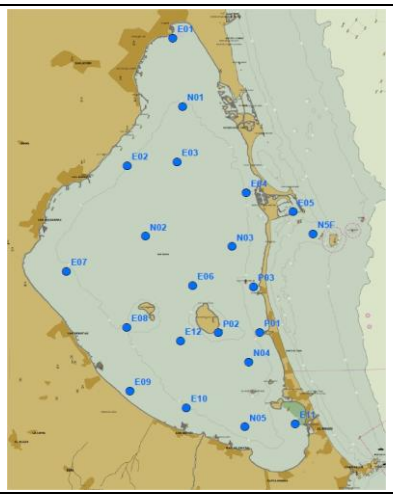
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.724	12.76	49.03	0.46	8.78	149.83	0.66	43.1
0.788	12.76	49.03	0.88	8.78	122.86	0.69	43.1
0.843	12.76	49.03	0.72	8.79	115.25	0.68	43.1
0.886	12.76	49.03	0.69	8.79	115.57	0.7	43.1
0.922	12.76	49.03	0.69	8.8	121.5	0.69	43.1
0.936	12.76	49.03	0.76	8.77	110.16	0.69	43.1
0.957	12.76	49.03	0.8	8.78	124.93	0.68	43.1
0.975	12.76	49.03	0.72	8.81	111.26	0.7	43.1
0.976	12.76	49.03	0.76	8.8	110.49	0.67	43.1
0.984	12.76	49.03	0.69	8.79	119.08	0.72	43.1
1.0	12.76	49.03	0.61	8.78	109.98	0.71	43.1
1.022	12.76	49.03	0.84	8.78	114.69	0.72	43.1
1.028	12.76	49.03	0.84	8.76	99.66	0.69	43.1
1.033	12.76	49.03	0.84	8.76	105.56	0.71	43.1
1.043	12.76	49.03	0.72	8.77	105.68	0.7	43.1
1.087	12.76	49.03	0.69	8.77	94.68	0.73	43.1
1.15	12.76	49.02	0.69	8.77	101.48	0.72	43.1
1.204	12.76	49.02	0.72	8.77	114.37	0.74	43.1
1.243	12.75	49.02	0.72	8.78	110.44	0.72	43.1
1.258	12.76	49.03	0.76	8.79	99.52	0.72	43.1
1.272	12.76	49.03	0.72	8.79	94.64	0.75	43.1
1.311	12.76	49.03	0.72	8.79	92.67	0.72	43.1
1.364	12.76	49.03	0.53	8.79	103.09	0.74	43.1
1.412	12.76	49.03	0.76	8.78	109.44	0.76	43.1
1.442	12.76	49.03	0.8	8.77	105.73	0.72	43.1
1.467	12.76	49.03	0.95	8.77	90.06	0.76	43.1
1.506	12.76	49.03	0.72	8.76	87.98	0.77	43.1
1.551	12.76	49.02	0.69	8.76	98.97	0.76	43.1
1.581	12.76	49.02	0.72	8.76	105.05	0.76	43.1
1.602	12.75	49.02	0.72	8.76	103.47	0.76	43.1
1.627	12.75	49.02	0.61	8.77	97.63	0.7	43.1
1.646	12.75	49.02	0.88	8.78	88.88	0.7	43.1
1.665	12.75	49.02	0.76	8.79	89.33	0.76	43.1
1.695	12.75	49.02	0.76	8.79	100.96	0.76	43.1
1.727	12.75	49.01	0.65	8.8	103.5	0.74	43.1
1.758	12.75	49.02	0.76	8.8	103.43	0.79	43.1

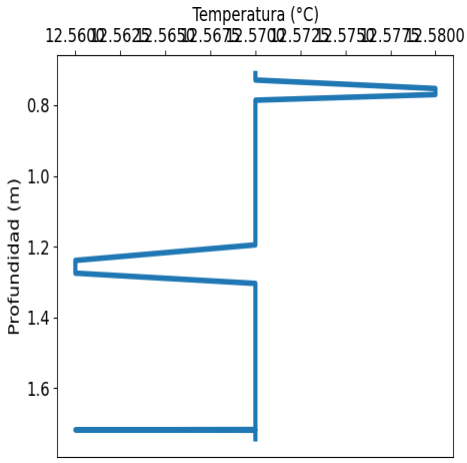
1.777	12.75	49.02	0.65	8.81	91.43	0.74	43.1
1.793	12.75	49.02	0.72	8.82	88.63	0.77	43.1
1.822	12.75	49.01	0.61	8.82	95.9	0.73	43.1
1.847	12.75	49.01	0.72	8.81	96.41	0.73	43.1
1.86	12.75	49.01	0.65	8.82	97.74	0.75	43.1
1.883	12.75	49.01	0.76	8.82	95.88	0.74	43.1
1.921	12.75	49.01	0.57	8.82	95.86	0.76	43.1
1.964	12.75	49.01	0.65	8.82	91.66	0.76	43.1
2.002	12.74	49.01	0.8	8.81	93.23	0.73	43.1
2.028	12.74	49.01	0.61	8.81	94.42	0.79	43.1
2.047	12.74	49.01	0.72	8.8	96.77	0.75	43.1
2.066	12.74	49.01	0.76	8.8	98.44	0.73	43.1
2.092	12.74	49.01	0.72	8.8	94.25	0.74	43.1
2.132	12.74	49.01	0.69	8.8	93.16	0.72	43.1
2.167	12.74	49.01	0.65	8.79	92.58	0.74	43.1
2.2	12.74	49.01	0.8	8.78	95.39	0.77	43.1
2.237	12.74	49.01	0.5	8.78	101.32	0.79	43.1
2.261	12.74	49.02	0.72	8.78	100.33	0.79	43.1
2.271	12.75	49.01	0.65	8.78	94.84	0.78	43.1
2.287	12.75	49.01	0.65	8.78	92.67	0.77	43.1
2.319	12.75	49.01	0.88	8.79	96.84	0.78	43.1
2.357	12.75	49.02	0.72	8.8	97.88	0.78	43.1
2.389	12.75	49.02	0.76	8.81	97.38	0.74	43.1
2.411	12.75	49.02	0.57	8.82	98.1	0.76	43.1
2.421	12.75	49.02	0.8	8.81	99.18	0.74	43.1
2.424	12.75	49.02	0.8	8.8	96.21	0.76	43.1
2.434	12.75	49.02	0.53	8.8	97.0	0.72	43.1
2.461	12.75	49.02	0.72	8.79	98.24	0.76	43.1
2.495	12.75	49.01	0.65	8.8	100.68	0.73	43.1
2.52	12.75	49.01	0.72	8.81	100.75	0.76	43.1
2.542	12.75	49.01	0.8	8.82	100.47	0.77	43.1
2.563	12.75	49.02	0.65	8.83	99.02	0.76	43.1
2.577	12.75	49.02	0.8	8.85	100.17	0.77	43.1
2.588	12.75	49.01	0.76	8.85	102.07	0.74	43.1
2.602	12.75	49.01	0.72	8.84	99.13	0.79	43.1
2.611	12.75	49.02	0.76	8.83	100.24	0.75	43.1
2.621	12.75	49.02	0.65	8.82	101.97	0.74	43.1
2.65	12.75	49.01	0.76	8.82	105.14	0.79	43.1
2.689	12.75	49.01	0.84	8.81	111.34	0.79	43.1
2.702	12.74	49.01	0.72	8.8	102.88	0.77	43.1
2.705	12.74	49.01	0.8	8.8	106.64	0.74	43.1
2.745	12.74	49.01	0.72	8.79	111.03	0.76	43.1
2.802	12.74	49.01	0.69	8.79	114.64	0.76	43.1
2.841	12.74	49.01	0.69	8.78	109.57	0.81	43.1
2.858	12.74	49.01	0.8	8.8	113.95	0.79	43.1
2.898	12.74	49.01	0.65	8.8	114.61	0.76	43.1
2.941	12.74	49.01	0.69	8.81	114.9	0.81	43.1
2.965	12.74	49.01	0.65	8.82	115.09	0.76	43.1
2.967	12.74	49.01	0.8	8.81	115.76	0.79	43.1
2.985	12.74	49.01	0.8	8.8	121.25	0.71	43.1
3.018	12.74	49.01	0.84	8.78	121.67	0.78	43.1
3.044	12.74	49.01	0.76	8.77	122.1	0.78	43.1
3.06	12.74	49.01	0.88	8.77	122.81	0.78	43.1
3.084	12.74	49.01	0.76	8.77	126.09	0.75	43.1
3.114	12.74	49.01	0.88	8.76	126.39	0.79	43.1
3.134	12.74	49.01	0.8	8.76	124.32	0.76	43.1
3.143	12.74	49.01	0.65	8.76	124.82	0.77	43.1
3.148	12.74	49.01	0.8	8.78	125.89	0.79	43.1

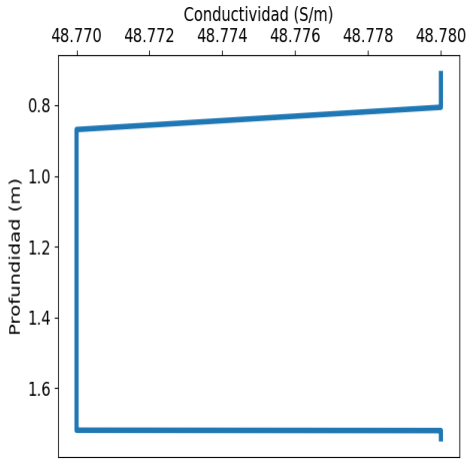
3.161	12.74	49.01	0.72	8.79	131.74	0.76	43.1
3.191	12.74	49.01	0.84	8.8	144.51	0.74	43.1
3.232	12.74	49.01	0.72	8.81	145.82	0.8	43.1
3.259	12.74	49.01	0.65	8.81	139.18	0.79	43.1
3.272	12.74	49.01	0.72	8.81	139.18	0.77	43.1
3.28	12.74	49.01	0.8	8.8	141.19	0.77	43.1
3.281	12.74	49.01	0.69	8.8	155.23	0.79	43.1
3.315	12.74	49.01	0.92	8.81	158.07	0.79	43.1
3.375	12.74	49.01	0.76	8.8	156.9	0.74	43.1
3.395	12.74	49.01	0.57	8.83	157.74	0.85	43.1
3.396	12.74	49.01	0.76	8.83	162.56	0.79	43.1
3.427	12.74	49.01	0.76	8.83	162.37	0.8	43.1
3.471	12.74	49.01	0.65	8.83	171.98	0.76	43.1
3.513	12.74	49.01	0.76	8.83	191.24	0.82	43.1
3.54	12.74	49.01	0.72	8.83	184.28	0.8	43.1
3.55	12.74	49.01	0.69	8.83	180.64	0.82	43.1
3.56	12.74	49.01	0.72	8.82	175.04	0.76	43.1
3.588	12.74	49.01	0.72	8.81	183.09	0.8	43.1
3.617	12.74	49.01	0.8	8.8	212.17	0.79	43.1
3.636	12.74	49.01	0.69	8.79	244.27	0.78	43.1
3.665	12.74	49.01	0.65	8.79	250.52	0.79	43.1
3.71	12.74	49.01	0.88	8.79	256.52	0.81	43.1
3.754	12.74	49.01	0.61	8.79	251.45	0.85	43.1
3.763	12.74	49.01	0.65	8.79	308.42	0.8	43.1
3.788	12.74	49.01	0.65	8.8	336.81	0.79	43.1
3.839	12.74	49.01	0.72	8.8	607.1	0.8	43.1
3.889	12.74	49.01	0.72	8.8	310.21	0.79	43.1
3.899	12.74	49.01	0.69	8.82	339.56	0.83	43.1
3.925	12.74	49.0	0.72	8.83	327.88	0.82	43.1
3.983	12.74	49.0	0.5	8.82	450.83	0.79	43.1
4.043	12.74	49.0	0.61	8.81	313.75	0.85	43.1
4.069	12.73	49.0	0.69	8.81	340.42	0.79	43.1
4.074	12.73	49.0	0.76	8.81	394.86	0.83	43.1
4.1	12.73	49.0	0.69	8.82	372.37	0.84	43.1
4.134	12.73	49.0	0.65	8.82	341.53	0.88	43.1
4.162	12.73	49.0	0.65	8.82	394.86	0.84	43.1
4.182	12.73	49.0	0.57	8.83	442.86	0.84	43.1
4.213	12.73	49.0	0.61	8.83	384.12	0.85	43.1
4.263	12.73	49.0	0.72	8.83	345.67	0.84	43.1
4.297	12.73	49.0	0.76	8.8	398.54	0.85	43.1
4.329	12.73	49.0	0.65	8.79	329.33	0.88	43.1
4.4	12.73	49.0	0.69	8.79	349.54	0.91	43.1
4.452	12.73	49.0	0.76	8.79	391.67	0.89	43.1
4.469	12.73	49.0	0.72	8.79	386.8	0.91	43.1
4.476	12.73	49.0	0.72	8.8	339.64	0.87	43.1
4.5	12.73	49.0	0.69	8.81	323.72	0.89	43.1
4.536	12.73	49.0	0.72	8.81	537.8	0.82	43.1
4.567	12.73	49.0	0.72	8.81	348.41	0.92	43.1
4.595	12.73	49.0	0.57	8.81	308.92	0.89	43.1
4.624	12.73	49.0	0.84	8.82	507.64	0.89	43.1
4.652	12.73	49.0	0.72	8.82	309.13	0.89	43.1
4.676	12.73	49.0	0.84	8.82	367.91	0.95	43.1
4.699	12.73	49.0	0.8	8.81	414.94	0.91	43.1
4.725	12.73	49.0	0.92	8.81	313.24	0.89	43.1
4.741	12.73	49.0	0.69	8.8	303.52	0.9	43.1
4.751	12.73	49.0	0.84	8.79	323.05	0.88	43.1
4.782	12.73	49.0	0.72	8.8	600.94	0.92	43.1
4.836	12.73	49.0	0.69	8.8	330.55	0.94	43.11

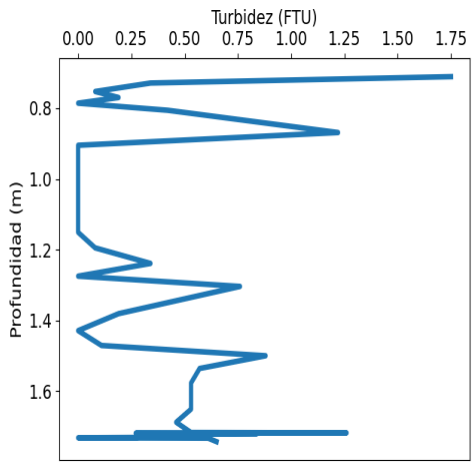
4.873	12.73	49.0	0.72	8.81	362.49	0.95	43.1
4.889	12.73	49.0	0.69	8.81	340.5	0.92	43.1
4.908	12.73	49.0	0.72	8.82	325.08	0.95	43.1
4.935	12.74	49.0	0.72	8.81	361.23	0.98	43.1
4.974	12.74	49.0	0.76	8.81	409.02	0.96	43.1
5.033	12.74	49.01	0.8	8.81	354.76	0.98	43.1
5.07	12.73	49.0	0.72	8.83	372.89	0.96	43.1
5.105	12.74	49.0	0.76	8.84	375.32	0.98	43.1
5.16	12.74	49.01	0.69	8.85	304.58	0.97	43.1
5.199	12.74	49.0	0.61	8.86	329.86	0.99	43.1
5.225	12.74	49.01	0.76	8.86	455.03	0.97	43.1
5.256	12.74	49.01	0.76	8.85	339.16	0.98	43.1
5.285	12.74	49.01	0.57	8.84	282.09	0.95	43.11
5.325	12.74	49.01	0.76	8.83	303.59	0.96	43.1
5.347	12.73	49.0	0.84	8.83	317.7	1.08	43.1
5.357	12.73	49.0	0.8	8.81	324.7	1.08	43.1
5.386	12.73	49.0	0.65	8.8	328.56	1.02	43.1
5.406	12.73	49.0	0.76	8.79	306.56	1.01	43.1

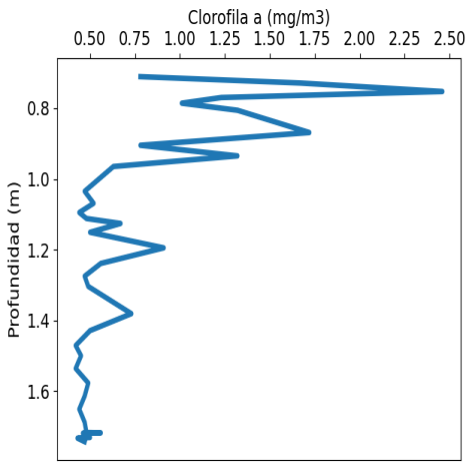
Nombre: CTD P03 - Punto 011 **Fecha: 05/02/2025** **Hora: 10:02:51**

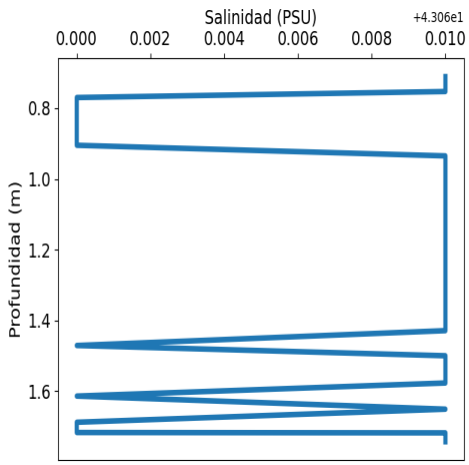


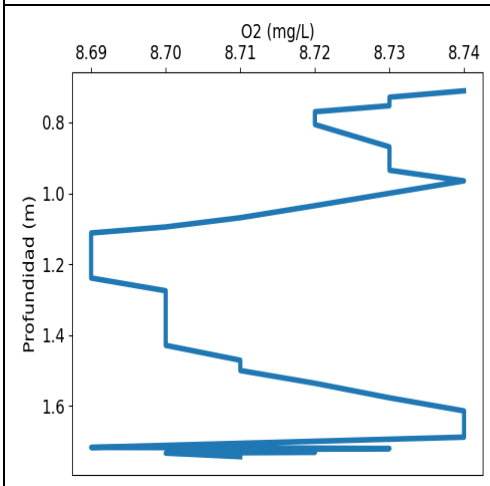


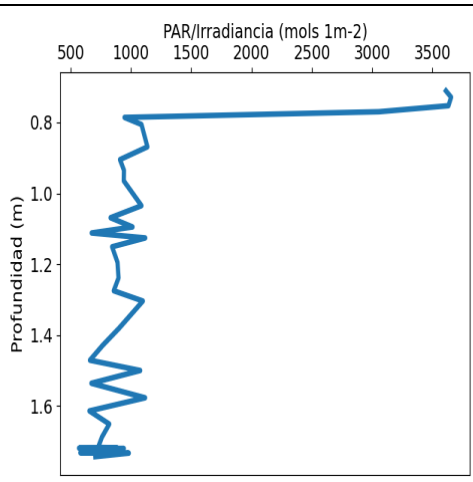


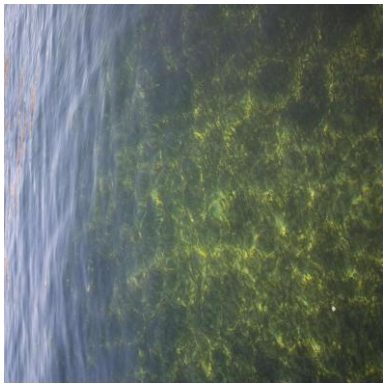












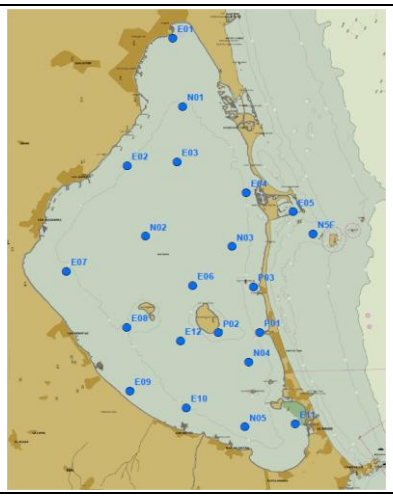
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.56	48.77	0.0	8.69	569.48	0.42	43.06
PROF (metros)	1.239	0.869	0.786	1.112	1.719	1.471	0.806
MÁXIMO	12.58	12.58	1.75	8.74	3654.8	2.46	43.07
PROF (metros)	0.753	0.711	0.711	0.711	0.729	0.753	0.711

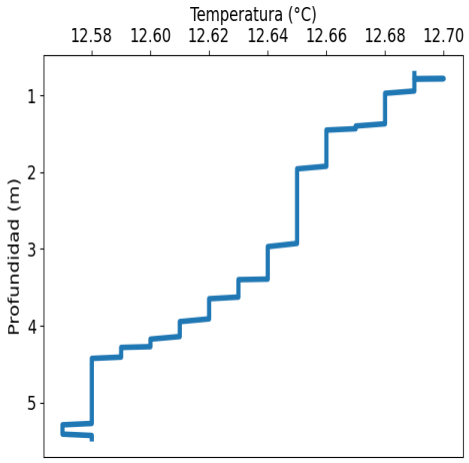
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P03 - Punto 011	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.57	48.78	0.67	8.73	2696.8	1.53	43.07
1 - 2m	12.57	48.77	0.52	8.71	834.75	0.51	43.07

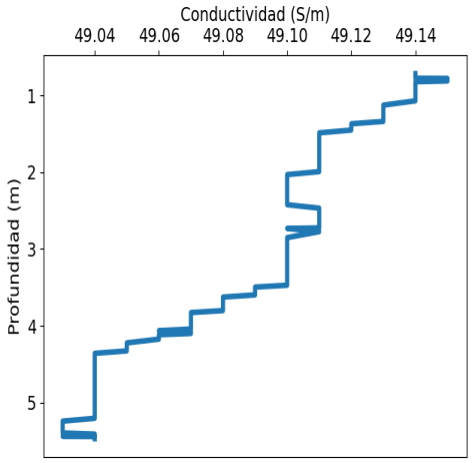
OBSERVACIONES GENERALES

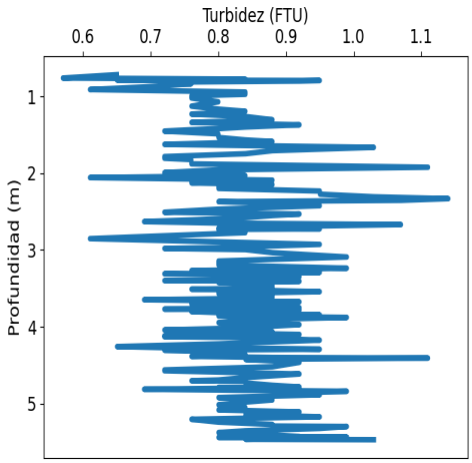
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.711	12.57	48.78	1.75	8.74	3611.9	0.78	43.07
0.729	12.57	48.78	0.34	8.73	3654.8	1.67	43.07
0.753	12.58	48.78	0.08	8.73	3632.9	2.46	43.07
0.77	12.58	48.78	0.19	8.72	3056.0	1.23	43.06
0.786	12.57	48.78	0.0	8.72	946.95	1.01	43.06
0.806	12.57	48.78	0.42	8.72	1088.0	1.32	43.06
0.869	12.57	48.77	1.22	8.73	1137.2	1.72	43.06
0.905	12.57	48.77	0.0	8.73	909.73	0.78	43.06
0.935	12.57	48.77	0.0	8.73	942.79	1.32	43.07
0.965	12.57	48.77	0.0	8.74	941.26	0.63	43.07
1.035	12.57	48.77	0.0	8.72	1088.0	0.47	43.07
1.069	12.57	48.77	0.0	8.71	831.11	0.52	43.07
1.095	12.57	48.77	0.0	8.7	1014.2	0.44	43.07
1.112	12.57	48.77	0.0	8.69	674.78	0.48	43.07
1.126	12.57	48.77	0.0	8.69	1119.4	0.67	43.07
1.151	12.57	48.77	0.0	8.69	844.31	0.5	43.07
1.195	12.57	48.77	0.08	8.69	889.3	0.91	43.07
1.239	12.56	48.77	0.34	8.69	897.58	0.56	43.07
1.275	12.56	48.77	0.0	8.7	857.92	0.47	43.07
1.304	12.57	48.77	0.76	8.7	1099.6	0.49	43.07
1.381	12.57	48.77	0.19	8.7	901.34	0.73	43.07
1.429	12.57	48.77	0.0	8.7	766.35	0.5	43.07
1.471	12.57	48.77	0.11	8.71	660.55	0.42	43.06
1.5	12.57	48.77	0.88	8.71	1077.7	0.45	43.07
1.536	12.57	48.77	0.57	8.72	672.28	0.42	43.07
1.577	12.57	48.77	0.53	8.73	1118.4	0.49	43.07
1.614	12.57	48.77	0.53	8.74	655.97	0.47	43.06
1.651	12.57	48.77	0.53	8.74	820.96	0.44	43.07
1.688	12.57	48.77	0.46	8.74	759.98	0.47	43.06
1.717	12.57	48.77	0.53	8.69	728.42	0.48	43.06
1.718	12.56	48.77	1.26	8.71	884.98	0.56	43.07
1.719	12.57	48.77	0.27	8.72	569.48	0.46	43.07
1.72	12.57	48.78	0.84	8.73	942.13	0.49	43.07
1.722	12.57	48.78	0.42	8.72	599.28	0.48	43.07
1.731	12.57	48.78	0.27	8.72	893.64	0.5	43.07
1.732	12.57	48.78	0.0	8.71	580.28	0.44	43.07
1.733	12.57	48.78	0.61	8.7	983.41	0.43	43.07
1.743	12.57	48.78	0.65	8.71	705.16	0.47	43.07

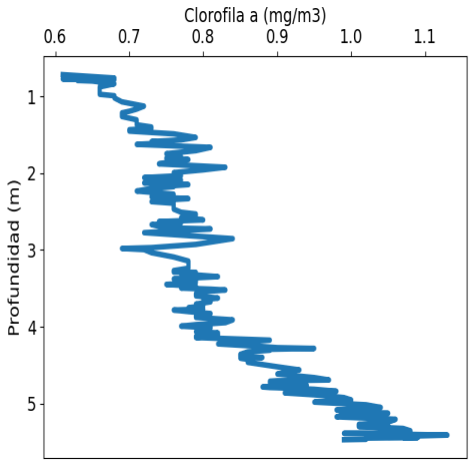
Nombre: CTD E06 - Punto 012 **Fecha: 05/02/2025** **Hora: 11:02:36**

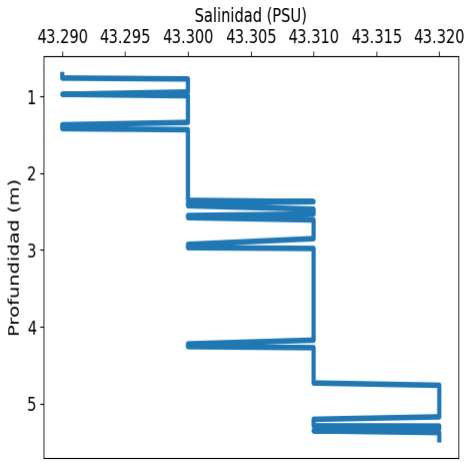


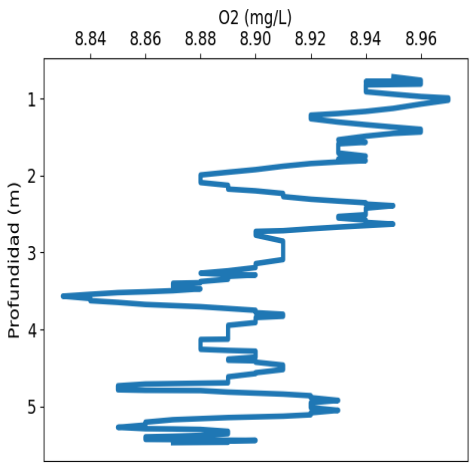


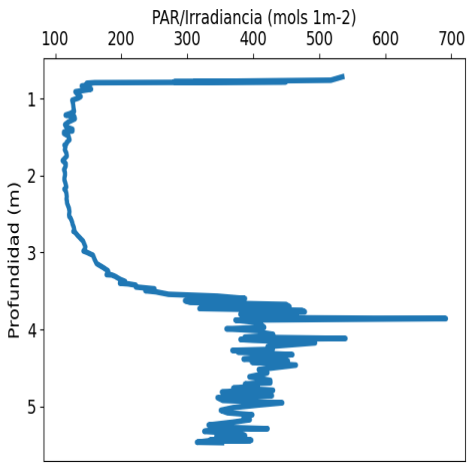


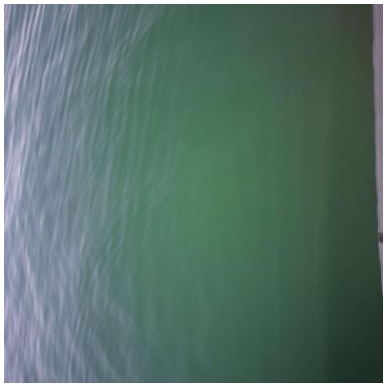












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.57	49.03	0.57	8.83	111.08	0.61	43.29
PROF (metros)	5.29	5.242	0.76	3.567	1.805	0.716	0.716
MÁXIMO	12.7	12.7	1.14	8.97	692.05	1.13	43.32
PROF (metros)	0.781	0.778	2.331	0.991	3.859	5.411	4.762

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E06 - Punto 012	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.69	49.14	0.76	8.95	261.27	0.65	43.3
1 - 2m	12.67	49.12	0.81	8.93	118.8	0.74	43.3
2 - 3m	12.65	49.1	0.85	8.92	124.38	0.76	43.3
3 - 4m	12.63	49.09	0.85	8.88	302.62	0.79	43.31
4 - 5m	12.59	49.05	0.84	8.89	412.35	0.88	43.31
5 - 6m	12.58	49.04	0.88	8.89	366.01	1.04	43.32

OBSERVACIONES GENERALES

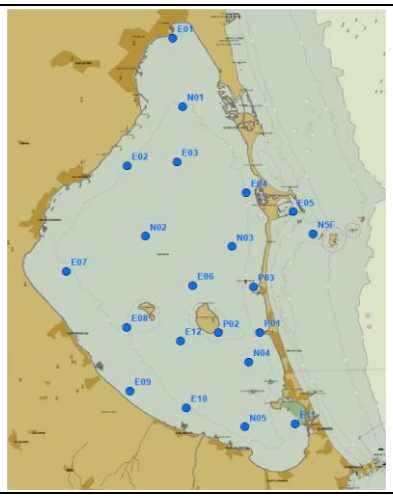
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.716	12.69	49.14	0.65	8.95	535.06	0.61	43.29
0.76	12.69	49.14	0.57	8.96	517.5	0.68	43.29
0.772	12.69	49.14	0.8	8.96	376.01	0.61	43.3
0.776	12.69	49.14	0.84	8.95	311.0	0.65	43.3
0.778	12.69	49.15	0.65	8.94	443.27	0.64	43.3
0.78	12.69	49.15	0.76	8.95	280.0	0.68	43.3
0.781	12.7	49.15	0.84	8.94	449.58	0.67	43.3
0.786	12.69	49.15	0.65	8.94	351.16	0.64	43.3
0.792	12.69	49.15	0.95	8.95	159.65	0.63	43.3
0.799	12.69	49.15	0.92	8.96	147.76	0.65	43.3
0.811	12.69	49.15	0.76	8.96	146.87	0.66	43.3
0.821	12.69	49.14	0.72	8.94	152.77	0.66	43.3
0.835	12.69	49.14	0.76	8.94	139.92	0.68	43.3
0.876	12.69	49.14	0.69	8.94	154.44	0.66	43.3
0.91	12.69	49.14	0.61	8.94	130.31	0.66	43.3
0.942	12.69	49.14	0.84	8.95	133.83	0.66	43.3
0.972	12.68	49.14	0.84	8.96	138.63	0.66	43.29
0.991	12.68	49.14	0.76	8.97	135.17	0.68	43.3
1.02	12.68	49.14	0.76	8.97	125.57	0.68	43.3
1.07	12.68	49.14	0.8	8.96	127.03	0.69	43.3
1.126	12.68	49.13	0.76	8.95	127.71	0.72	43.3
1.165	12.68	49.13	0.8	8.94	128.57	0.71	43.3
1.193	12.68	49.13	0.84	8.93	122.61	0.7	43.3
1.214	12.68	49.13	0.8	8.92	115.49	0.69	43.3
1.229	12.68	49.13	0.76	8.92	128.84	0.69	43.3
1.261	12.68	49.13	0.84	8.92	129.8	0.69	43.3
1.304	12.68	49.13	0.88	8.93	119.69	0.71	43.3
1.338	12.68	49.13	0.76	8.94	114.64	0.71	43.3
1.369	12.68	49.12	0.92	8.95	116.67	0.71	43.29
1.398	12.67	49.12	0.84	8.96	126.15	0.73	43.29
1.419	12.67	49.12	0.8	8.96	126.12	0.73	43.29
1.433	12.67	49.12	0.76	8.96	113.16	0.7	43.3
1.451	12.66	49.12	0.72	8.95	113.03	0.7	43.3
1.487	12.66	49.11	0.8	8.94	120.1	0.76	43.3
1.534	12.66	49.11	0.8	8.93	121.67	0.79	43.3
1.566	12.66	49.11	0.84	8.94	117.43	0.77	43.3

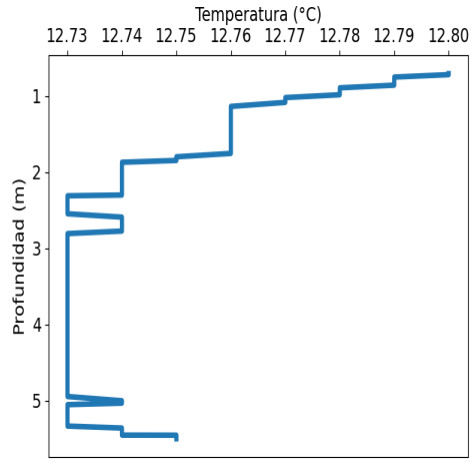
1.587	12.66	49.11	0.88	8.93	117.03	0.73	43.3
1.604	12.66	49.11	0.8	8.93	113.74	0.75	43.3
1.624	12.66	49.11	0.72	8.93	115.57	0.71	43.3
1.663	12.66	49.11	1.03	8.93	114.35	0.81	43.3
1.706	12.66	49.11	0.88	8.93	116.84	0.79	43.3
1.746	12.66	49.11	0.84	8.94	117.57	0.75	43.3
1.783	12.66	49.11	0.72	8.93	113.5	0.77	43.3
1.805	12.66	49.11	0.72	8.94	111.08	0.75	43.3
1.822	12.66	49.11	0.76	8.93	113.08	0.78	43.3
1.843	12.66	49.11	0.76	8.92	115.95	0.76	43.3
1.878	12.66	49.11	0.76	8.91	115.84	0.74	43.3
1.922	12.66	49.11	1.11	8.9	113.16	0.83	43.3
1.956	12.65	49.11	0.8	8.89	114.69	0.8	43.3
1.992	12.65	49.11	0.72	8.88	114.77	0.76	43.3
2.031	12.65	49.1	0.84	8.88	113.87	0.77	43.3
2.057	12.65	49.1	0.61	8.88	113.79	0.72	43.3
2.09	12.65	49.1	0.88	8.88	115.09	0.77	43.3
2.126	12.65	49.1	0.76	8.89	116.22	0.72	43.3
2.148	12.65	49.1	0.88	8.89	116.81	0.78	43.3
2.162	12.65	49.1	0.84	8.89	115.7	0.76	43.3
2.175	12.65	49.1	0.8	8.89	113.71	0.76	43.3
2.198	12.65	49.1	0.8	8.9	115.92	0.73	43.3
2.232	12.65	49.1	0.95	8.91	116.89	0.71	43.3
2.273	12.65	49.1	0.95	8.91	117.41	0.76	43.3
2.307	12.65	49.1	1.03	8.92	116.92	0.73	43.3
2.331	12.65	49.1	1.14	8.93	117.79	0.78	43.3
2.353	12.65	49.1	1.07	8.94	117.65	0.74	43.3
2.37	12.65	49.1	0.8	8.94	118.36	0.73	43.31
2.391	12.65	49.1	0.88	8.95	119.11	0.76	43.3
2.423	12.65	49.1	0.95	8.94	120.69	0.76	43.3
2.468	12.65	49.11	0.8	8.94	121.5	0.76	43.31
2.508	12.65	49.11	0.72	8.94	120.86	0.77	43.31
2.531	12.65	49.11	0.92	8.93	121.17	0.79	43.31
2.551	12.65	49.11	0.88	8.93	123.06	0.79	43.3
2.578	12.65	49.11	0.84	8.94	124.44	0.77	43.3
2.608	12.65	49.11	0.76	8.94	125.69	0.8	43.31
2.63	12.65	49.11	0.69	8.95	126.15	0.74	43.31
2.649	12.65	49.11	0.8	8.94	127.0	0.77	43.31
2.669	12.65	49.11	1.07	8.93	127.92	0.73	43.31
2.691	12.65	49.11	0.92	8.92	128.48	0.74	43.31
2.716	12.65	49.11	0.8	8.91	128.93	0.77	43.31
2.725	12.65	49.11	0.95	8.9	127.33	0.81	43.31
2.732	12.65	49.1	0.8	8.9	129.53	0.8	43.31
2.774	12.65	49.11	0.84	8.9	133.52	0.72	43.31
2.852	12.65	49.1	0.61	8.91	142.18	0.84	43.31
2.927	12.65	49.1	0.95	8.91	145.68	0.79	43.3
2.969	12.64	49.1	0.8	8.91	143.94	0.73	43.3
2.98	12.64	49.1	0.72	8.91	142.58	0.69	43.31
2.995	12.64	49.1	0.84	8.91	147.35	0.72	43.31
3.035	12.64	49.1	0.88	8.91	157.15	0.73	43.31
3.091	12.64	49.1	0.99	8.91	159.65	0.76	43.31
3.144	12.64	49.1	0.8	8.9	162.71	0.78	43.31
3.195	12.64	49.1	0.8	8.9	172.58	0.78	43.31
3.237	12.64	49.1	0.99	8.89	179.85	0.78	43.31
3.268	12.64	49.1	0.76	8.88	181.1	0.76	43.31
3.287	12.64	49.1	0.8	8.89	177.61	0.76	43.31
3.291	12.64	49.1	0.95	8.9	185.48	0.79	43.31
3.31	12.64	49.1	0.72	8.89	190.8	0.77	43.31

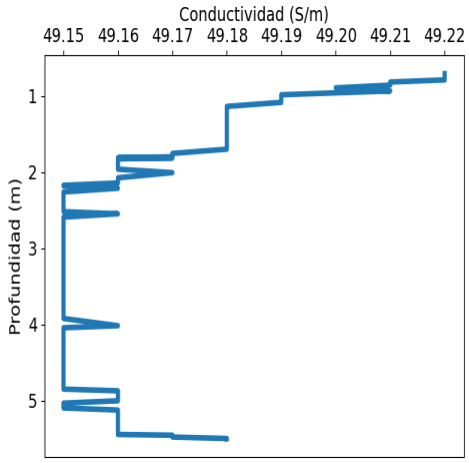
3.347	12.64	49.1	0.92	8.89	197.96	0.82	43.31
3.377	12.64	49.1	0.88	8.88	206.01	0.76	43.31
3.392	12.64	49.1	0.88	8.88	201.81	0.79	43.31
3.399	12.63	49.1	0.72	8.87	197.78	0.77	43.31
3.407	12.63	49.1	0.92	8.87	210.45	0.79	43.31
3.424	12.63	49.1	0.8	8.87	222.08	0.79	43.31
3.448	12.63	49.1	0.88	8.87	222.03	0.75	43.31
3.472	12.63	49.1	0.88	8.88	250.46	0.79	43.31
3.496	12.63	49.09	0.88	8.87	236.36	0.77	43.31
3.51	12.63	49.09	0.76	8.86	252.5	0.81	43.31
3.521	12.63	49.09	0.84	8.85	258.55	0.83	43.31
3.543	12.63	49.09	0.95	8.84	271.69	0.8	43.31
3.567	12.63	49.09	0.8	8.83	345.67	0.79	43.31
3.598	12.63	49.09	0.88	8.84	387.69	0.79	43.31
3.626	12.63	49.08	0.88	8.84	296.36	0.82	43.31
3.648	12.62	49.08	0.69	8.85	304.23	0.8	43.31
3.675	12.62	49.08	0.92	8.86	449.69	0.81	43.31
3.704	12.62	49.08	0.76	8.88	455.14	0.79	43.31
3.728	12.62	49.08	0.88	8.89	318.29	0.8	43.31
3.751	12.62	49.08	0.92	8.9	473.76	0.78	43.31
3.77	12.62	49.08	0.72	8.9	478.39	0.8	43.31
3.782	12.62	49.08	0.92	8.9	409.97	0.76	43.31
3.802	12.62	49.08	0.76	8.91	380.22	0.78	43.31
3.828	12.62	49.07	0.84	8.91	466.46	0.81	43.31
3.845	12.62	49.07	0.95	8.9	382.87	0.8	43.31
3.859	12.62	49.07	0.8	8.9	692.05	0.79	43.31
3.878	12.62	49.07	0.99	8.9	372.8	0.79	43.31
3.91	12.62	49.07	0.84	8.9	407.12	0.84	43.31
3.946	12.61	49.07	0.8	8.89	413.3	0.83	43.31
3.972	12.61	49.07	0.92	8.89	416.77	0.79	43.31
3.992	12.61	49.07	0.88	8.89	359.23	0.77	43.31
4.014	12.61	49.07	0.84	8.89	407.98	0.81	43.31
4.042	12.61	49.07	0.72	8.89	414.46	0.8	43.31
4.064	12.61	49.06	0.88	8.89	430.31	0.79	43.31
4.08	12.61	49.07	0.8	8.89	421.33	0.82	43.31
4.1	12.61	49.07	0.92	8.89	386.8	0.81	43.31
4.117	12.61	49.06	0.72	8.89	539.92	0.82	43.31
4.126	12.61	49.06	0.8	8.89	420.16	0.79	43.31
4.13	12.61	49.06	0.72	8.88	380.39	0.8	43.31
4.14	12.61	49.06	0.84	8.88	399.74	0.79	43.31
4.174	12.6	49.06	0.95	8.88	493.83	0.89	43.31
4.223	12.6	49.05	0.8	8.88	421.53	0.82	43.3
4.258	12.6	49.05	0.65	8.88	429.72	0.88	43.3
4.272	12.6	49.05	0.72	8.89	368.16	0.9	43.31
4.282	12.59	49.05	0.88	8.9	408.64	0.95	43.31
4.293	12.59	49.05	0.95	8.9	376.54	0.89	43.31
4.305	12.59	49.05	0.72	8.9	402.34	0.89	43.31
4.327	12.59	49.05	0.8	8.9	459.49	0.86	43.31
4.359	12.59	49.04	0.84	8.9	411.3	0.85	43.31
4.385	12.59	49.04	0.76	8.89	385.1	0.85	43.31
4.4	12.59	49.04	0.88	8.89	431.21	0.88	43.31
4.408	12.59	49.04	1.11	8.9	452.61	0.85	43.31
4.425	12.58	49.04	0.84	8.9	397.89	0.86	43.31
4.463	12.58	49.04	0.92	8.91	464.73	0.86	43.31
4.521	12.58	49.04	0.88	8.91	408.16	0.9	43.31
4.562	12.58	49.04	0.72	8.9	421.53	0.93	43.31
4.573	12.58	49.04	0.72	8.9	417.93	0.92	43.31
4.615	12.58	49.04	0.92	8.89	393.94	0.9	43.31

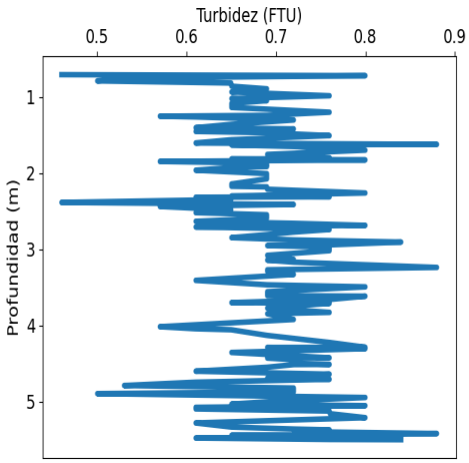
4.662	12.58	49.04	0.84	8.89	425.95	0.95	43.31
4.693	12.58	49.04	0.8	8.89	426.15	0.97	43.31
4.703	12.58	49.04	0.76	8.87	398.81	0.9	43.31
4.709	12.58	49.04	0.84	8.86	387.33	0.89	43.31
4.732	12.58	49.04	0.84	8.85	406.94	0.89	43.31
4.762	12.58	49.04	0.88	8.85	369.53	0.94	43.32
4.784	12.58	49.04	0.92	8.85	418.12	0.88	43.32
4.791	12.58	49.04	0.8	8.86	430.21	0.89	43.32
4.794	12.58	49.04	0.88	8.88	379.78	0.9	43.32
4.814	12.58	49.04	0.69	8.89	352.3	0.95	43.32
4.84	12.58	49.04	0.99	8.91	409.21	0.98	43.32
4.861	12.58	49.04	0.92	8.92	428.52	0.91	43.32
4.886	12.58	49.04	0.95	8.92	345.67	0.95	43.32
4.922	12.58	49.04	0.8	8.93	353.86	0.99	43.32
4.953	12.58	49.04	0.88	8.92	444.09	1.0	43.32
4.981	12.58	49.04	0.84	8.92	408.64	0.95	43.32
5.016	12.58	49.04	0.8	8.92	369.28	1.02	43.32
5.051	12.58	49.04	0.84	8.93	350.67	1.04	43.32
5.083	12.58	49.04	0.8	8.92	360.9	0.98	43.32
5.109	12.58	49.04	0.92	8.92	398.81	1.0	43.32
5.127	12.58	49.04	0.88	8.91	390.76	1.05	43.32
5.145	12.58	49.04	0.84	8.89	385.19	0.99	43.32
5.173	12.58	49.04	0.95	8.87	394.95	0.98	43.32
5.205	12.58	49.04	0.76	8.86	369.02	1.06	43.31
5.242	12.58	49.03	0.8	8.86	332.08	1.05	43.31
5.272	12.58	49.03	0.88	8.85	355.5	1.01	43.31
5.29	12.57	49.03	0.88	8.86	421.92	1.03	43.31
5.293	12.57	49.03	0.88	8.87	377.85	1.05	43.32
5.299	12.57	49.03	0.99	8.88	342.48	1.01	43.32
5.324	12.57	49.03	0.95	8.89	325.61	1.07	43.32
5.355	12.57	49.03	0.84	8.89	380.66	1.08	43.31
5.378	12.57	49.03	0.8	8.88	387.69	1.08	43.32
5.388	12.57	49.03	0.84	8.87	343.91	0.99	43.32
5.396	12.57	49.03	0.84	8.86	387.96	1.05	43.32
5.411	12.57	49.04	0.88	8.86	362.16	1.13	43.32
5.429	12.58	49.04	0.92	8.86	348.89	1.06	43.32
5.433	12.58	49.04	0.92	8.88	387.96	1.08	43.32
5.438	12.58	49.04	0.99	8.88	333.94	1.05	43.32
5.439	12.58	49.03	0.92	8.89	397.15	1.09	43.32
5.441	12.58	49.04	0.8	8.9	350.11	1.07	43.32
5.442	12.58	49.04	0.99	8.9	396.05	1.09	43.32
5.45	12.58	49.04	0.92	8.89	329.48	1.02	43.32
5.466	12.58	49.04	0.84	8.89	314.55	1.02	43.32
5.471	12.58	49.04	1.03	8.87	352.88	0.99	43.32

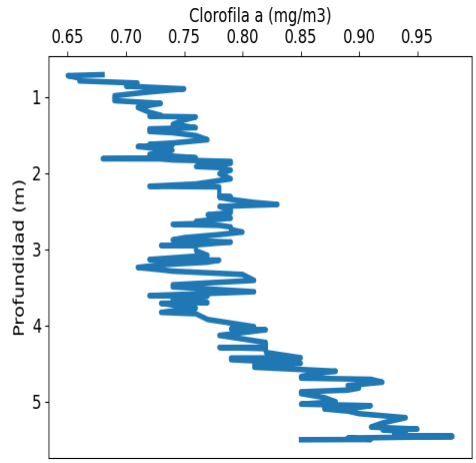
Nombre: CTD E12 - Punto 013 **Fecha: 05/02/2025** **Hora: 11:02:43**

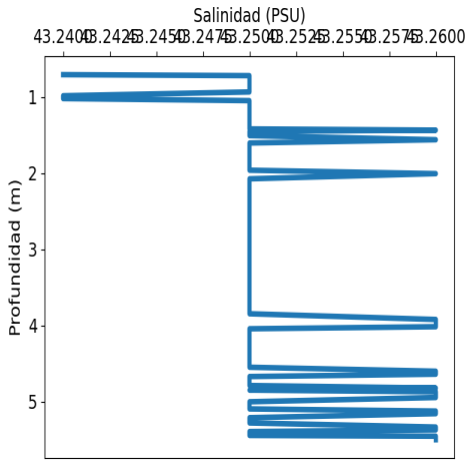


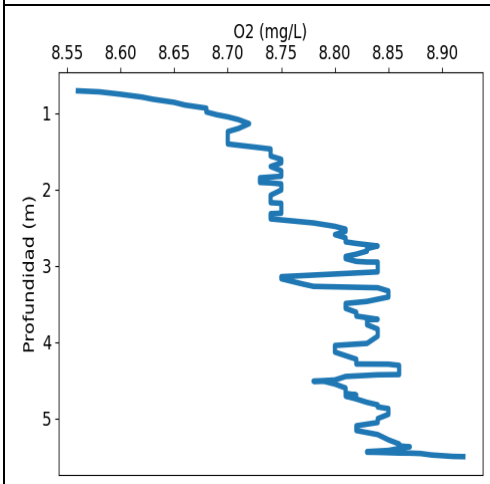


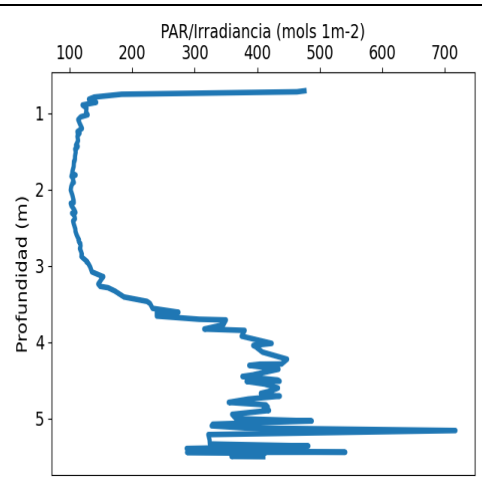


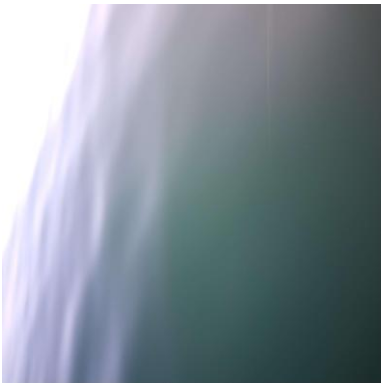












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.73	49.15	0.46	8.56	101.43	0.65	43.24
PROF (metros)	2.313	2.175	0.71	0.71	2.183	0.723	0.71
MÁXIMO	12.8	12.8	0.88	8.92	717.36	0.98	43.26
PROF (metros)	0.71	0.71	1.625	5.501	5.159	5.454	1.438

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E12 - Punto 013	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.79	49.21	0.63	8.63	211.99	0.69	43.25
1 - 2m	12.76	49.17	0.68	8.73	109.65	0.74	43.25
2 - 3m	12.74	49.15	0.69	8.79	112.34	0.78	43.25
3 - 4m	12.73	49.15	0.72	8.81	225.97	0.75	43.25
4 - 5m	12.73	49.15	0.69	8.82	408.38	0.84	43.25
5 - 6m	12.74	49.16	0.72	8.85	389.62	0.92	43.26

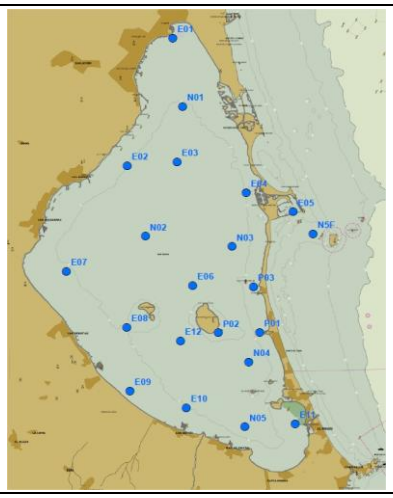
OBSERVACIONES GENERALES

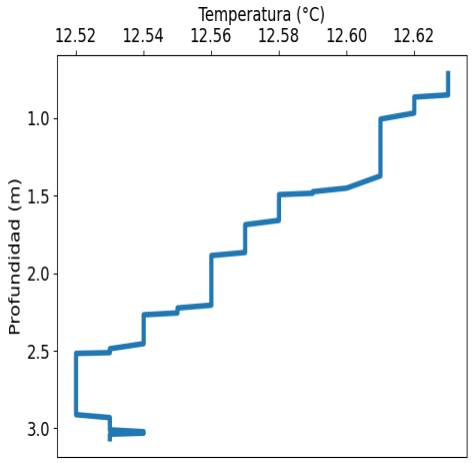
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.71	12.8	49.22	0.46	8.56	475.74	0.68	43.24
0.723	12.8	49.22	0.8	8.58	463.66	0.65	43.25
0.755	12.79	49.22	0.53	8.6	183.09	0.66	43.25
0.792	12.79	49.22	0.5	8.62	139.18	0.66	43.25
0.82	12.79	49.21	0.65	8.63	130.59	0.71	43.25
0.861	12.79	49.21	0.65	8.65	142.38	0.7	43.25
0.896	12.78	49.2	0.69	8.66	120.35	0.75	43.25
0.937	12.78	49.21	0.65	8.68	126.83	0.72	43.25
0.987	12.78	49.19	0.76	8.68	126.12	0.69	43.24
1.024	12.77	49.19	0.65	8.69	128.75	0.69	43.24
1.051	12.77	49.19	0.69	8.7	117.6	0.69	43.25
1.087	12.77	49.19	0.65	8.71	113.45	0.73	43.25
1.14	12.76	49.18	0.65	8.72	116.08	0.71	43.25
1.203	12.76	49.18	0.76	8.71	119.63	0.72	43.25
1.244	12.76	49.18	0.69	8.7	112.19	0.73	43.25
1.255	12.76	49.18	0.57	8.7	112.4	0.72	43.25
1.265	12.76	49.18	0.61	8.7	115.81	0.76	43.25
1.305	12.76	49.18	0.72	8.7	112.17	0.75	43.25
1.362	12.76	49.18	0.65	8.7	113.37	0.74	43.25
1.406	12.76	49.18	0.61	8.7	110.93	0.76	43.25
1.422	12.76	49.18	0.72	8.71	109.83	0.72	43.25
1.438	12.76	49.18	0.69	8.72	112.9	0.73	43.26
1.455	12.76	49.18	0.61	8.73	111.78	0.72	43.25
1.472	12.76	49.18	0.69	8.74	108.53	0.74	43.25
1.51	12.76	49.18	0.76	8.74	109.62	0.76	43.25
1.564	12.76	49.18	0.65	8.74	108.41	0.77	43.26
1.607	12.76	49.18	0.61	8.75	108.26	0.74	43.25
1.625	12.76	49.18	0.88	8.75	107.76	0.72	43.25
1.632	12.76	49.18	0.65	8.75	106.71	0.74	43.25
1.653	12.76	49.18	0.72	8.75	106.54	0.71	43.25
1.701	12.76	49.18	0.8	8.74	106.25	0.74	43.25
1.757	12.76	49.17	0.69	8.75	104.46	0.72	43.25
1.801	12.75	49.17	0.76	8.75	103.67	0.76	43.25
1.813	12.75	49.16	0.76	8.75	109.5	0.68	43.25
1.816	12.75	49.17	0.65	8.75	105.9	0.73	43.25
1.829	12.75	49.16	0.8	8.75	102.52	0.74	43.25

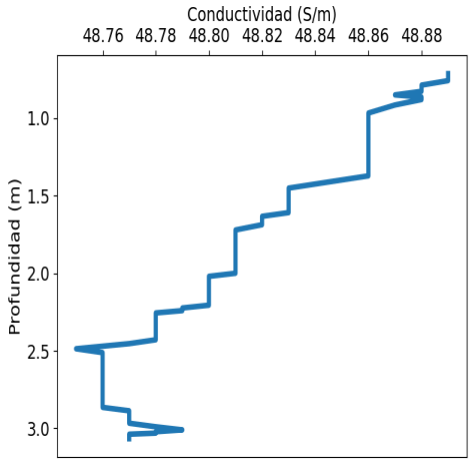
1.849	12.75	49.16	0.57	8.73	105.39	0.79	43.25
1.873	12.74	49.16	0.69	8.73	105.19	0.79	43.25
1.895	12.74	49.16	0.69	8.73	105.39	0.77	43.25
1.91	12.74	49.16	0.65	8.73	106.62	0.77	43.25
1.916	12.74	49.16	0.69	8.74	104.46	0.76	43.25
1.929	12.74	49.16	0.65	8.75	103.84	0.78	43.25
1.964	12.74	49.16	0.61	8.75	102.33	0.79	43.25
2.009	12.74	49.17	0.69	8.75	101.46	0.78	43.26
2.077	12.74	49.16	0.69	8.74	104.17	0.79	43.25
2.145	12.74	49.16	0.65	8.74	106.15	0.76	43.25
2.175	12.74	49.15	0.65	8.74	106.47	0.72	43.25
2.183	12.74	49.15	0.69	8.75	101.43	0.78	43.25
2.214	12.74	49.16	0.69	8.75	102.64	0.78	43.25
2.263	12.74	49.15	0.8	8.75	106.89	0.78	43.25
2.303	12.74	49.15	0.65	8.75	109.14	0.78	43.25
2.313	12.73	49.15	0.76	8.75	103.52	0.79	43.25
2.319	12.73	49.15	0.61	8.74	104.83	0.78	43.25
2.348	12.73	49.15	0.65	8.74	107.43	0.79	43.25
2.387	12.73	49.15	0.46	8.74	108.38	0.81	43.25
2.414	12.73	49.15	0.72	8.76	105.22	0.83	43.25
2.44	12.73	49.15	0.57	8.78	105.9	0.78	43.25
2.485	12.73	49.15	0.65	8.8	107.58	0.79	43.25
2.521	12.73	49.15	0.61	8.81	108.96	0.79	43.25
2.549	12.73	49.16	0.69	8.81	109.06	0.77	43.25
2.593	12.74	49.15	0.69	8.8	110.8	0.79	43.25
2.635	12.74	49.15	0.61	8.81	113.13	0.76	43.25
2.661	12.74	49.15	0.72	8.81	114.82	0.77	43.25
2.674	12.74	49.15	0.76	8.81	114.27	0.74	43.25
2.688	12.74	49.15	0.8	8.81	114.69	0.78	43.25
2.709	12.74	49.15	0.61	8.82	116.89	0.79	43.25
2.742	12.74	49.15	0.76	8.84	117.35	0.79	43.25
2.776	12.74	49.15	0.72	8.83	116.16	0.8	43.25
2.809	12.73	49.15	0.69	8.83	117.82	0.78	43.25
2.849	12.73	49.15	0.65	8.82	119.44	0.75	43.25
2.879	12.73	49.15	0.72	8.81	118.56	0.74	43.25
2.907	12.73	49.15	0.84	8.81	122.15	0.79	43.25
2.944	12.73	49.15	0.76	8.82	127.51	0.76	43.25
2.952	12.73	49.15	0.69	8.83	126.94	0.73	43.25
2.953	12.73	49.15	0.69	8.84	127.48	0.76	43.25
2.973	12.73	49.15	0.76	8.84	129.86	0.76	43.25
3.02	12.73	49.15	0.76	8.84	132.84	0.76	43.25
3.081	12.73	49.15	0.69	8.84	135.42	0.77	43.25
3.136	12.73	49.15	0.72	8.76	151.05	0.72	43.25
3.144	12.73	49.15	0.69	8.75	153.77	0.78	43.25
3.171	12.73	49.15	0.72	8.75	151.19	0.77	43.25
3.205	12.73	49.15	0.8	8.76	148.51	0.73	43.25
3.24	12.73	49.15	0.88	8.77	145.51	0.71	43.25
3.271	12.73	49.15	0.69	8.78	148.62	0.73	43.25
3.289	12.73	49.15	0.69	8.84	161.36	0.74	43.25
3.332	12.73	49.15	0.72	8.85	172.22	0.8	43.25
3.41	12.73	49.15	0.61	8.85	186.82	0.81	43.25
3.468	12.73	49.15	0.69	8.83	223.63	0.74	43.25
3.495	12.73	49.15	0.8	8.81	228.39	0.74	43.25
3.559	12.73	49.15	0.69	8.81	232.56	0.81	43.25
3.61	12.73	49.15	0.69	8.82	274.03	0.72	43.25
3.617	12.73	49.15	0.8	8.82	239.23	0.77	43.25
3.66	12.73	49.15	0.76	8.82	239.23	0.74	43.25
3.702	12.73	49.15	0.65	8.84	306.92	0.77	43.25

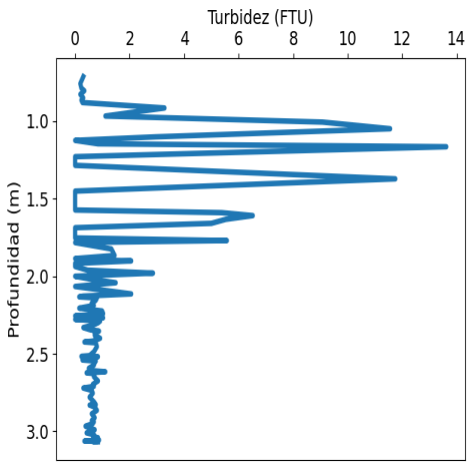
3.711	12.73	49.15	0.76	8.83	350.02	0.73	43.25
3.774	12.73	49.15	0.69	8.83	345.83	0.76	43.25
3.83	12.73	49.15	0.76	8.84	315.14	0.73	43.25
3.848	12.73	49.15	0.69	8.84	380.04	0.76	43.25
3.923	12.73	49.15	0.72	8.84	374.97	0.77	43.26
4.018	12.73	49.16	0.57	8.83	423.29	0.81	43.26
4.045	12.73	49.15	0.61	8.8	393.49	0.79	43.25
4.058	12.73	49.15	0.65	8.8	397.06	0.82	43.25
4.132	12.73	49.15	0.69	8.8	408.45	0.78	43.25
4.225	12.73	49.15	0.76	8.82	447.92	0.82	43.25
4.288	12.73	49.15	0.8	8.82	438.98	0.82	43.25
4.29	12.73	49.15	0.69	8.85	404.4	0.78	43.25
4.306	12.73	49.15	0.8	8.86	387.15	0.82	43.25
4.356	12.73	49.15	0.65	8.86	434.22	0.82	43.25
4.426	12.73	49.15	0.76	8.86	395.22	0.85	43.25
4.429	12.73	49.15	0.69	8.84	394.4	0.79	43.25
4.451	12.73	49.15	0.72	8.81	376.19	0.79	43.25
4.497	12.73	49.15	0.72	8.8	432.51	0.85	43.25
4.513	12.73	49.15	0.76	8.78	436.04	0.83	43.25
4.515	12.73	49.15	0.72	8.79	382.87	0.81	43.25
4.55	12.73	49.15	0.69	8.8	411.68	0.81	43.25
4.602	12.73	49.15	0.61	8.81	433.42	0.88	43.26
4.641	12.73	49.15	0.76	8.81	421.72	0.86	43.26
4.672	12.73	49.15	0.72	8.81	405.71	0.85	43.25
4.693	12.73	49.15	0.69	8.82	412.92	0.85	43.25
4.708	12.73	49.15	0.76	8.81	436.34	0.91	43.25
4.746	12.73	49.15	0.61	8.82	386.08	0.92	43.25
4.79	12.73	49.15	0.53	8.83	354.35	0.89	43.25
4.823	12.73	49.15	0.72	8.84	413.88	0.9	43.26
4.85	12.73	49.15	0.72	8.84	417.06	0.89	43.25
4.872	12.73	49.16	0.72	8.85	410.35	0.85	43.26
4.896	12.73	49.16	0.5	8.85	419.09	0.85	43.26
4.947	12.73	49.16	0.8	8.85	359.81	0.87	43.26
5.003	12.74	49.16	0.69	8.84	366.04	0.88	43.25
5.034	12.74	49.15	0.65	8.84	487.46	0.85	43.25
5.054	12.73	49.15	0.8	8.84	406.46	0.91	43.25
5.076	12.73	49.15	0.61	8.83	328.87	0.9	43.25
5.097	12.73	49.15	0.61	8.82	326.97	0.87	43.25
5.125	12.73	49.16	0.76	8.82	380.39	0.89	43.26
5.159	12.73	49.16	0.76	8.82	717.36	0.9	43.26
5.212	12.73	49.16	0.8	8.84	321.71	0.94	43.25
5.281	12.73	49.16	0.61	8.85	323.72	0.92	43.25
5.335	12.73	49.16	0.65	8.86	324.18	0.91	43.26
5.361	12.74	49.16	0.72	8.86	481.96	0.95	43.26
5.372	12.74	49.16	0.76	8.87	436.74	0.92	43.26
5.394	12.74	49.16	0.72	8.86	287.03	0.94	43.25
5.42	12.74	49.16	0.88	8.85	293.56	0.93	43.25
5.435	12.74	49.16	0.8	8.83	348.89	0.94	43.25
5.443	12.74	49.16	0.65	8.83	541.05	0.93	43.25
5.445	12.74	49.16	0.69	8.84	287.63	0.93	43.25
5.454	12.74	49.17	0.84	8.86	412.73	0.98	43.26
5.455	12.75	49.17	0.65	8.87	360.9	0.95	43.26
5.46	12.75	49.17	0.8	8.88	387.78	0.98	43.26
5.479	12.75	49.17	0.61	8.89	371.16	0.89	43.26
5.498	12.75	49.18	0.76	8.91	358.73	0.91	43.26
5.501	12.75	49.18	0.84	8.92	409.87	0.85	43.26

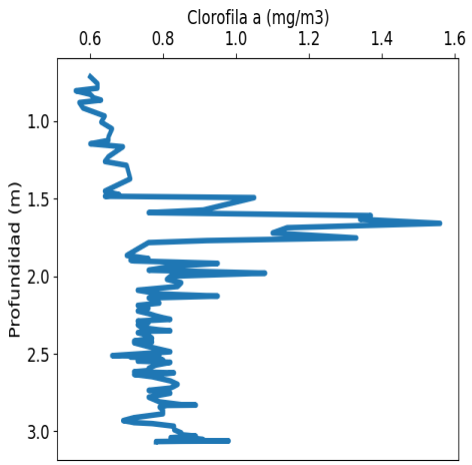
Nombre: CTD P02 - Punto 014 **Fecha: 05/02/2025** **Hora: 11:02:11**

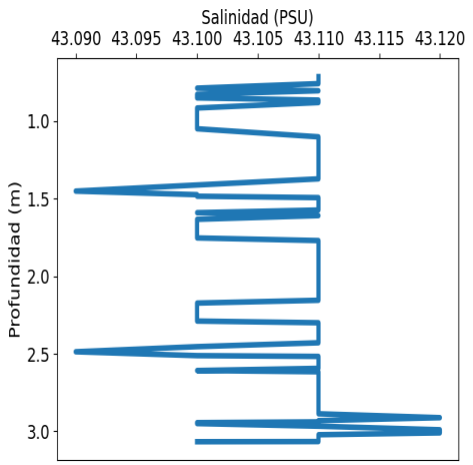


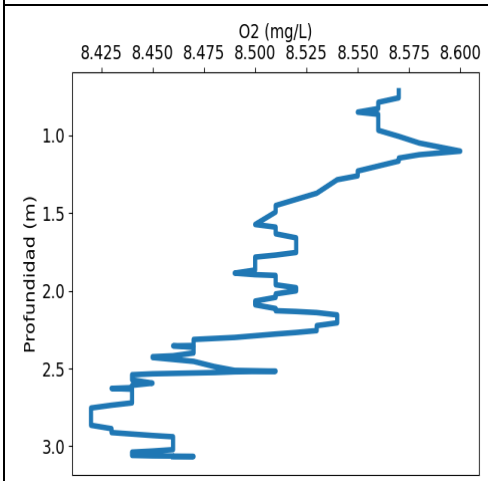


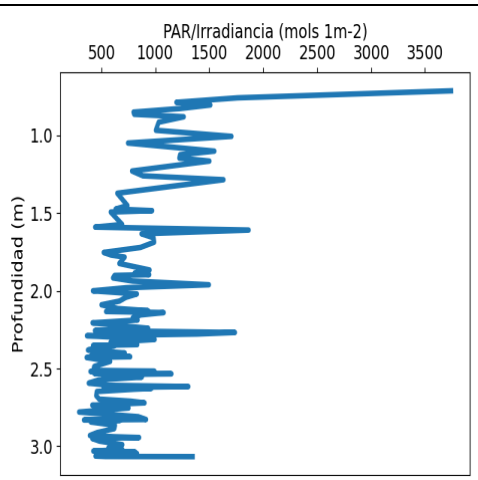












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.52	48.75	0.0	8.42	293.7	0.56	43.09
PROF (metros)	2.517	2.487	1.124	2.754	2.78	0.804	1.451
MÁXIMO	12.63	12.63	13.62	8.6	3743.1	1.56	43.12
PROF (metros)	0.713	0.713	1.165	1.101	0.713	1.659	2.912

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P02 - Punto 014	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.63	48.88	0.64	8.56	1435.13	0.6	43.1
1 - 2m	12.58	48.83	5.12	8.53	1032.28	0.86	43.11
2 - 3m	12.53	48.77	0.69	8.47	655.52	0.78	43.11
3 - 4m	12.53	48.77	0.7	8.45	647.54	0.86	43.11

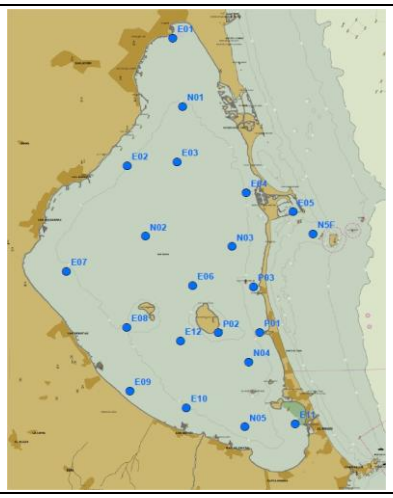
OBSERVACIONES GENERALES

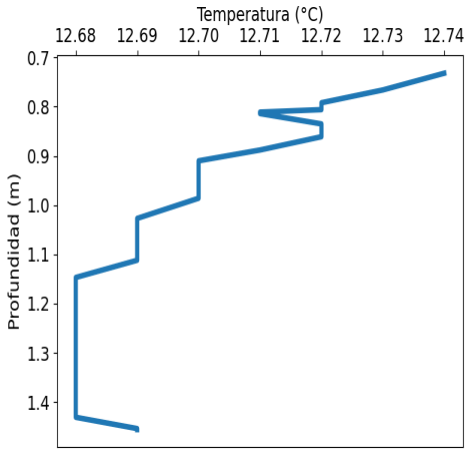
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.713	12.63	48.89	0.3	8.57	3743.1	0.6	43.11
0.758	12.63	48.89	0.19	8.57	1765.6	0.62	43.11
0.787	12.63	48.88	0.23	8.56	1195.3	0.62	43.1
0.804	12.63	48.88	0.34	8.56	1512.0	0.56	43.11
0.827	12.63	48.88	0.19	8.56	1229.6	0.6	43.1
0.85	12.63	48.87	0.3	8.55	798.44	0.61	43.1
0.864	12.62	48.88	0.23	8.56	804.57	0.63	43.11
0.88	12.62	48.88	0.27	8.56	1265.5	0.57	43.11
0.915	12.62	48.87	3.28	8.56	1031.7	0.58	43.1
0.967	12.62	48.86	1.11	8.56	1005.5	0.64	43.1
1.006	12.61	48.86	9.08	8.57	1707.7	0.63	43.1
1.049	12.61	48.86	11.56	8.58	747.06	0.66	43.1
1.101	12.61	48.86	2.98	8.6	1548.9	0.65	43.11
1.124	12.61	48.86	0.0	8.58	1229.9	0.65	43.11
1.146	12.61	48.86	0.84	8.57	1223.1	0.6	43.11
1.165	12.61	48.86	13.62	8.57	1502.9	0.69	43.11
1.229	12.61	48.86	0.0	8.55	784.5	0.65	43.11
1.26	12.61	48.86	0.0	8.55	886.21	0.64	43.11
1.285	12.61	48.86	0.0	8.54	1633.7	0.7	43.11
1.372	12.61	48.86	11.75	8.53	647.66	0.71	43.11
1.451	12.6	48.83	0.0	8.51	742.91	0.64	43.09
1.474	12.59	48.83	0.0	8.51	631.94	0.68	43.1
1.484	12.59	48.83	0.0	8.51	972.08	0.64	43.1
1.493	12.58	48.83	0.0	8.51	586.77	1.05	43.11
1.573	12.58	48.83	0.0	8.5	694.46	0.91	43.11
1.59	12.58	48.83	5.38	8.51	442.24	0.76	43.1
1.609	12.58	48.83	6.52	8.51	1866.6	1.37	43.11
1.633	12.58	48.82	5.53	8.51	872.15	1.34	43.1
1.659	12.58	48.82	5.0	8.52	985.23	1.56	43.1
1.687	12.57	48.82	0.0	8.52	990.5	1.14	43.1
1.721	12.57	48.81	0.0	8.52	862.7	1.1	43.1
1.753	12.57	48.81	0.0	8.52	521.59	1.33	43.1
1.77	12.57	48.81	5.57	8.51	591.68	0.92	43.11
1.783	12.57	48.81	0.0	8.5	717.53	0.76	43.11
1.824	12.57	48.81	1.33	8.5	666.39	0.73	43.11
1.866	12.57	48.81	1.45	8.5	948.49	0.7	43.11
1.886	12.56	48.81	0.0	8.49	807.75	0.76	43.11
1.896	12.56	48.81	1.03	8.5	944.98	0.71	43.11

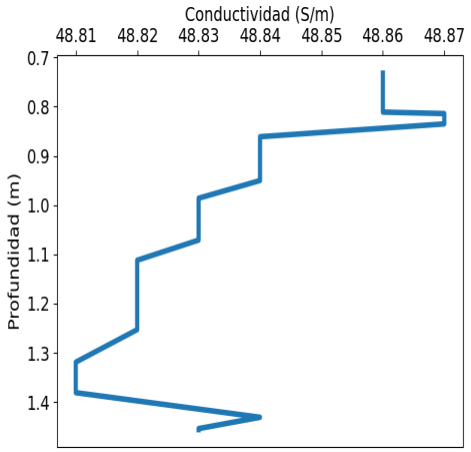
1.901	12.56	48.81	2.06	8.51	622.93	0.72	43.11
1.917	12.56	48.81	0.0	8.51	607.95	0.95	43.11
1.937	12.56	48.81	0.0	8.51	789.97	0.82	43.11
1.961	12.56	48.81	0.46	8.51	1498.1	0.76	43.11
1.98	12.56	48.81	2.86	8.52	732.65	1.08	43.11
2.0	12.56	48.81	0.0	8.52	421.92	0.82	43.11
2.02	12.56	48.8	0.61	8.51	830.72	0.81	43.11
2.042	12.56	48.8	1.49	8.51	727.74	0.85	43.11
2.066	12.56	48.8	0.0	8.5	668.4	0.84	43.11
2.09	12.56	48.8	1.03	8.5	500.98	0.73	43.11
2.114	12.56	48.8	2.06	8.51	652.03	0.79	43.11
2.128	12.56	48.8	0.3	8.51	933.87	0.95	43.11
2.133	12.56	48.8	0.15	8.52	543.69	0.87	43.11
2.14	12.56	48.8	0.8	8.53	1079.2	0.76	43.11
2.155	12.56	48.8	0.76	8.54	866.31	0.78	43.11
2.173	12.56	48.8	0.61	8.54	791.44	0.79	43.1
2.188	12.56	48.8	0.69	8.54	837.68	0.73	43.1
2.206	12.56	48.8	0.15	8.54	418.12	0.76	43.1
2.224	12.55	48.79	0.99	8.53	675.1	0.73	43.1
2.241	12.55	48.79	1.03	8.53	935.39	0.76	43.1
2.256	12.55	48.78	0.0	8.53	440.1	0.78	43.1
2.268	12.54	48.78	1.03	8.52	1740.0	0.8	43.1
2.278	12.54	48.78	0.0	8.51	1389.4	0.82	43.1
2.289	12.54	48.78	0.92	8.5	366.38	0.73	43.1
2.3	12.54	48.78	0.84	8.49	668.4	0.76	43.11
2.313	12.54	48.78	0.69	8.47	995.33	0.73	43.11
2.331	12.54	48.78	0.3	8.47	585.0	0.74	43.11
2.346	12.54	48.78	0.57	8.47	834.0	0.79	43.11
2.352	12.54	48.78	0.84	8.47	422.6	0.82	43.11
2.354	12.54	48.78	0.88	8.46	622.35	0.76	43.11
2.364	12.54	48.78	0.72	8.47	462.69	0.73	43.11
2.381	12.54	48.78	0.72	8.47	375.49	0.76	43.11
2.4	12.54	48.78	0.92	8.47	718.53	0.77	43.11
2.418	12.54	48.78	0.65	8.46	402.43	0.72	43.11
2.424	12.54	48.78	0.34	8.45	769.02	0.77	43.11
2.429	12.54	48.78	0.76	8.45	363.16	0.72	43.11
2.454	12.54	48.77	0.8	8.47	583.24	0.76	43.1
2.487	12.53	48.75	0.69	8.48	434.02	0.82	43.09
2.512	12.53	48.76	0.53	8.49	426.05	0.66	43.1
2.517	12.52	48.76	0.23	8.51	993.49	0.79	43.11
2.519	12.52	48.76	0.84	8.5	399.09	0.76	43.11
2.521	12.52	48.76	0.72	8.49	492.57	0.71	43.11
2.526	12.52	48.76	0.61	8.48	564.1	0.76	43.11
2.531	12.52	48.76	0.72	8.46	434.02	0.79	43.11
2.534	12.52	48.76	0.72	8.45	1151.3	0.77	43.11
2.54	12.52	48.76	0.27	8.44	511.06	0.8	43.11
2.547	12.52	48.76	0.76	8.44	689.81	0.73	43.11
2.555	12.52	48.76	0.72	8.44	876.21	0.82	43.11
2.573	12.52	48.76	0.69	8.44	477.4	0.78	43.11
2.594	12.52	48.76	0.5	8.45	382.87	0.76	43.11
2.608	12.52	48.76	0.57	8.44	572.53	0.76	43.1
2.616	12.52	48.76	1.11	8.44	1307.8	0.72	43.11
2.623	12.52	48.76	0.42	8.44	521.71	0.83	43.11
2.628	12.52	48.76	0.72	8.43	964.23	0.81	43.11
2.633	12.52	48.76	0.69	8.44	807.37	0.72	43.11
2.648	12.52	48.76	0.69	8.44	458.21	0.77	43.11
2.675	12.52	48.76	0.84	8.44	452.72	0.82	43.11
2.697	12.52	48.76	0.65	8.44	480.95	0.84	43.11

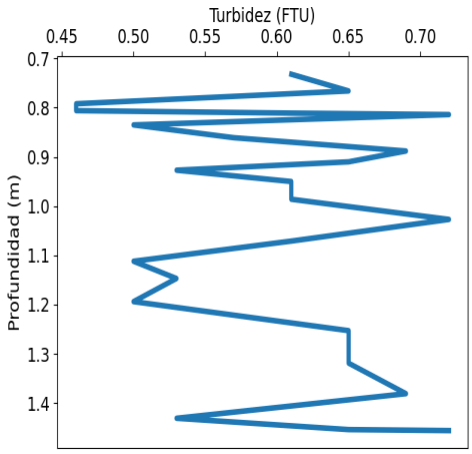
2.71	12.52	48.76	0.69	8.44	771.52	0.83	43.11
2.721	12.52	48.76	0.3	8.44	901.75	0.82	43.11
2.736	12.52	48.76	0.61	8.43	415.32	0.76	43.11
2.754	12.52	48.76	0.65	8.42	753.49	0.82	43.11
2.78	12.52	48.76	0.53	8.42	293.7	0.76	43.11
2.81	12.52	48.76	0.69	8.42	842.16	0.79	43.11
2.828	12.52	48.76	0.76	8.42	915.87	0.85	43.11
2.831	12.52	48.76	0.53	8.42	338.61	0.89	43.11
2.833	12.52	48.76	0.57	8.42	676.35	0.81	43.11
2.844	12.52	48.76	0.72	8.42	402.53	0.79	43.11
2.865	12.52	48.76	0.8	8.42	627.56	0.8	43.11
2.887	12.52	48.77	0.61	8.43	620.76	0.8	43.11
2.912	12.52	48.77	0.72	8.43	462.37	0.72	43.12
2.931	12.53	48.77	0.61	8.45	393.49	0.69	43.11
2.939	12.53	48.77	0.69	8.46	615.18	0.71	43.11
2.944	12.53	48.77	0.65	8.46	851.58	0.72	43.1
2.95	12.53	48.77	0.65	8.46	415.42	0.77	43.1
2.967	12.53	48.77	0.38	8.46	483.52	0.83	43.11
2.99	12.53	48.78	0.72	8.46	696.07	0.83	43.12
3.01	12.53	48.79	0.42	8.46	565.67	0.85	43.12
3.022	12.54	48.78	0.69	8.46	696.71	0.85	43.11
3.031	12.54	48.78	0.72	8.45	425.26	0.89	43.11
3.038	12.53	48.77	0.72	8.44	816.97	0.84	43.11
3.041	12.53	48.77	0.84	8.44	464.73	0.82	43.11
3.047	12.53	48.77	0.65	8.44	832.07	0.89	43.11
3.053	12.53	48.77	0.69	8.44	694.14	0.91	43.11
3.056	12.53	48.77	0.88	8.44	491.2	0.85	43.11
3.059	12.53	48.77	0.69	8.44	784.14	0.87	43.11
3.062	12.53	48.77	0.84	8.45	492.34	0.98	43.11
3.063	12.53	48.77	0.34	8.46	445.23	0.94	43.11
3.064	12.53	48.77	0.84	8.46	469.5	0.85	43.11
3.066	12.53	48.77	0.65	8.47	540.17	0.78	43.11
3.067	12.53	48.77	0.84	8.46	1347.5	0.78	43.1

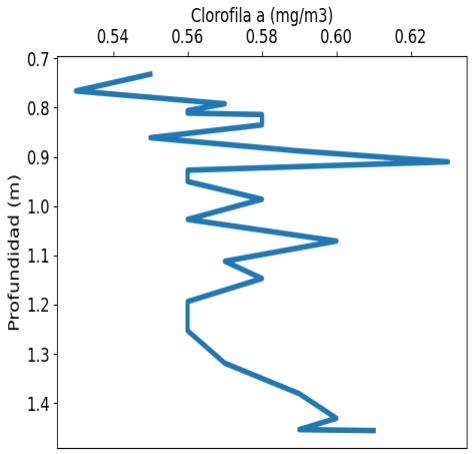
Nombre: CTD P01 - Punto 015 **Fecha: 05/02/2025** **Hora: 11:02:39**

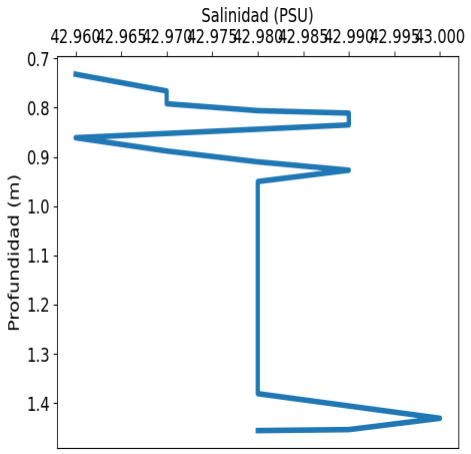


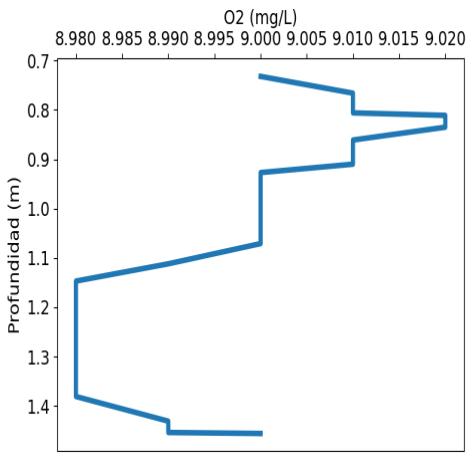


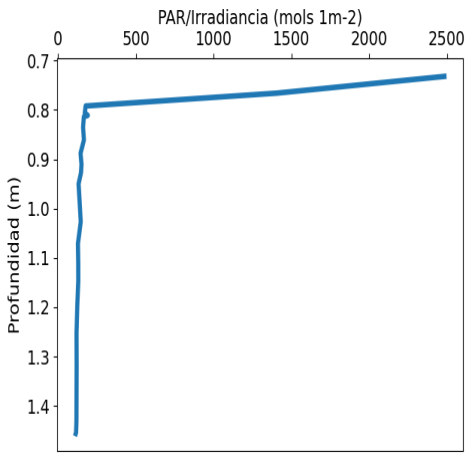


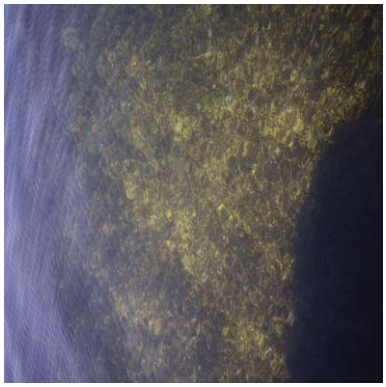












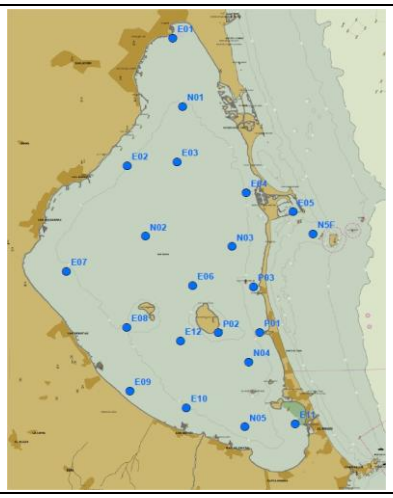
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.68	48.81	0.46	8.98	113.29	0.53	42.96
PROF (metros)	1.147	1.319	0.792	1.147	1.456	0.766	0.732
MÁXIMO	12.74	12.74	0.72	9.02	2484.1	0.63	43.0
PROF (metros)	0.732	0.814	0.814	0.811	0.732	0.91	1.431

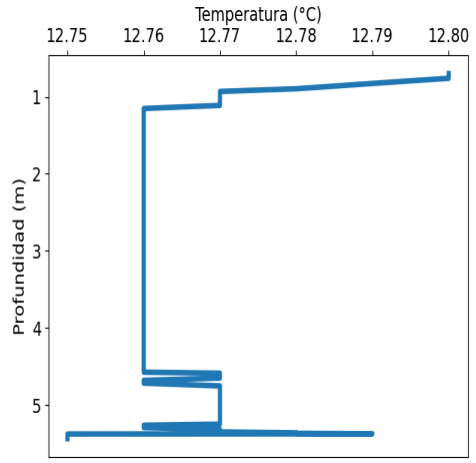
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD P01 - Punto 015	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.71	48.85	0.59	9.01	433.07	0.57	42.98
1 - 2m	12.69	48.82	0.61	8.99	123.27	0.58	42.98

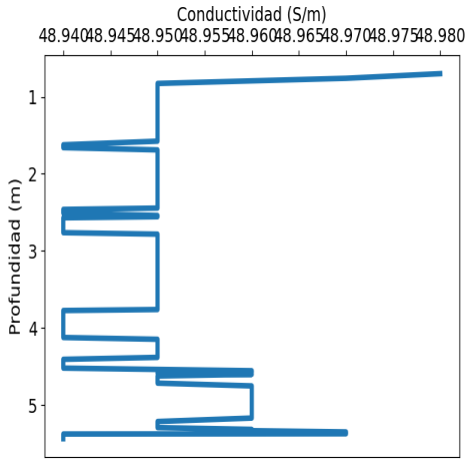
OBSERVACIONES GENERALES

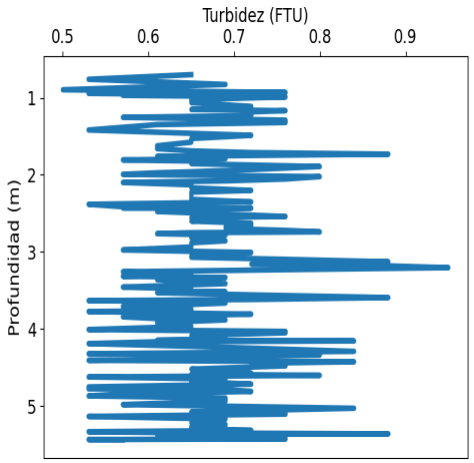
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.732	12.74	48.86	0.61	9.0	2484.1	0.55	42.96
0.766	12.73	48.86	0.65	9.01	1404.9	0.53	42.97
0.792	12.72	48.86	0.46	9.01	176.67	0.57	42.97
0.806	12.72	48.86	0.46	9.01	171.46	0.56	42.98
0.811	12.71	48.86	0.61	9.02	190.97	0.56	42.99
0.814	12.71	48.87	0.72	9.02	165.14	0.58	42.99
0.835	12.72	48.87	0.5	9.02	160.24	0.58	42.99
0.861	12.72	48.84	0.57	9.01	165.72	0.55	42.96
0.888	12.71	48.84	0.69	9.01	144.04	0.59	42.97
0.91	12.7	48.84	0.65	9.01	150.21	0.63	42.98
0.927	12.7	48.84	0.53	9.0	147.18	0.56	42.99
0.95	12.7	48.84	0.61	9.0	131.28	0.56	42.98
0.986	12.7	48.83	0.61	9.0	138.02	0.58	42.98
1.027	12.69	48.83	0.72	9.0	145.24	0.56	42.98
1.071	12.69	48.83	0.61	9.0	127.33	0.6	42.98
1.112	12.69	48.82	0.5	8.99	129.35	0.57	42.98
1.147	12.68	48.82	0.53	8.98	129.53	0.58	42.98
1.194	12.68	48.82	0.5	8.98	123.38	0.56	42.98
1.253	12.68	48.82	0.65	8.98	118.12	0.56	42.98
1.319	12.68	48.81	0.65	8.98	118.83	0.57	42.98
1.381	12.68	48.81	0.69	8.98	118.12	0.59	42.98
1.431	12.68	48.84	0.53	8.99	117.57	0.6	43.0
1.454	12.69	48.83	0.65	8.99	115.2	0.59	42.99
1.456	12.69	48.83	0.72	9.0	113.29	0.61	42.98

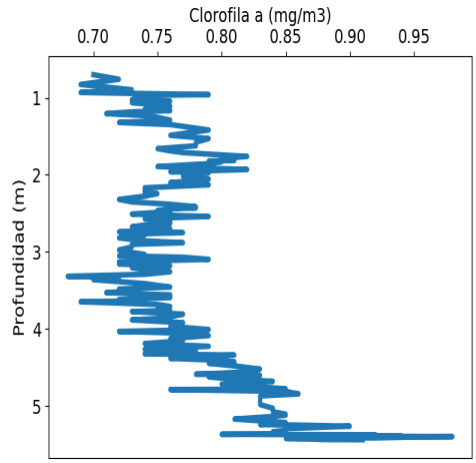
Nombre: CTD N04 - Punto 016 **Fecha: 05/02/2025** **Hora: 11:02:27**

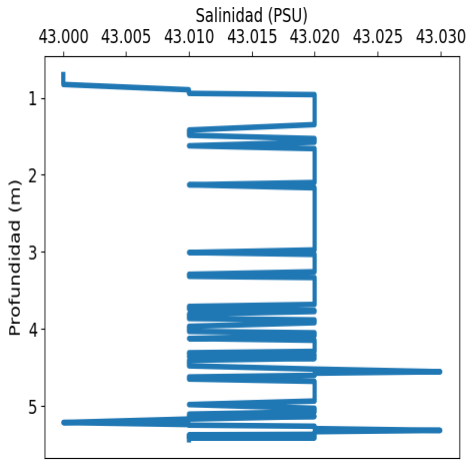


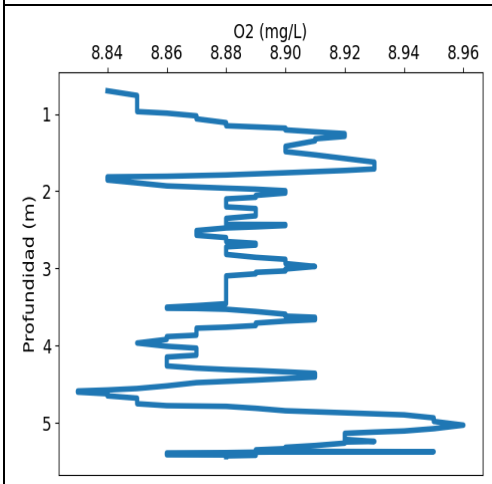


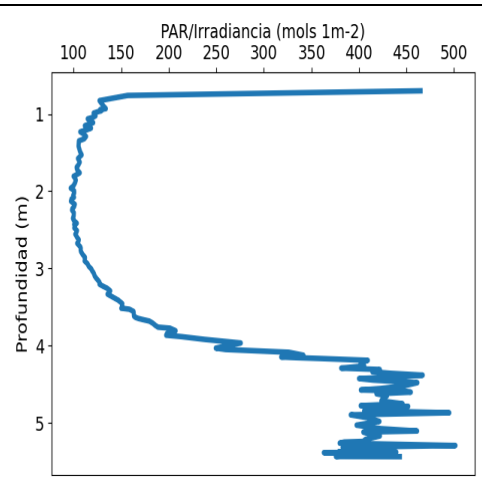












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.75	48.94	0.5	8.83	96.79	0.68	43.0
PROF (metros)	5.375	1.623	0.896	4.586	1.96	3.316	0.7
MÁXIMO	12.8	12.8	0.95	8.96	501.67	0.98	43.03
PROF (metros)	0.7	0.7	3.204	5.028	5.292	5.395	4.554

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N04 - Punto 016	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.78	48.96	0.63	8.85	168.59	0.73	43.01
1 - 2m	12.76	48.95	0.67	8.89	107.04	0.77	43.02
2 - 3m	12.76	48.95	0.67	8.88	103.68	0.75	43.02
3 - 4m	12.76	48.95	0.68	8.88	160.16	0.74	43.02
4 - 5m	12.76	48.95	0.67	8.88	401.6	0.8	43.02
5 - 6m	12.76	48.95	0.68	8.9	403.37	0.87	43.02

OBSERVACIONES GENERALES

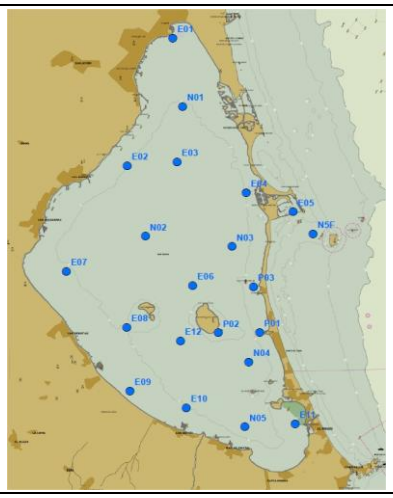
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.7	12.8	48.98	0.65	8.84	464.95	0.7	43.0
0.76	12.8	48.97	0.53	8.85	156.75	0.72	43.0
0.827	12.79	48.95	0.69	8.85	127.09	0.69	43.0
0.896	12.78	48.95	0.5	8.85	131.28	0.73	43.01
0.931	12.77	48.95	0.76	8.85	133.83	0.69	43.01
0.943	12.77	48.95	0.53	8.85	127.74	0.73	43.01
0.959	12.77	48.95	0.65	8.85	128.99	0.79	43.02
0.969	12.77	48.95	0.57	8.85	125.8	0.74	43.02
0.989	12.77	48.95	0.76	8.86	120.86	0.75	43.02
1.024	12.77	48.95	0.65	8.87	123.01	0.73	43.02
1.044	12.77	48.95	0.65	8.87	119.99	0.76	43.02
1.063	12.77	48.95	0.65	8.87	114.66	0.73	43.02
1.112	12.77	48.95	0.72	8.88	120.52	0.76	43.02
1.152	12.76	48.95	0.65	8.88	111.65	0.74	43.02
1.167	12.76	48.95	0.76	8.89	113.87	0.76	43.02
1.183	12.76	48.95	0.72	8.9	118.28	0.73	43.02
1.206	12.76	48.95	0.72	8.9	113.4	0.71	43.02
1.231	12.76	48.95	0.72	8.91	106.86	0.74	43.02
1.254	12.76	48.95	0.57	8.92	109.9	0.75	43.02
1.29	12.76	48.95	0.76	8.92	113.05	0.76	43.02
1.321	12.76	48.95	0.76	8.91	111.08	0.72	43.02
1.348	12.76	48.95	0.61	8.91	105.41	0.76	43.02
1.418	12.76	48.95	0.53	8.9	105.07	0.79	43.01
1.487	12.76	48.95	0.72	8.9	106.69	0.76	43.01
1.529	12.76	48.95	0.65	8.91	108.38	0.79	43.02
1.576	12.76	48.95	0.65	8.92	104.41	0.78	43.02
1.623	12.76	48.94	0.61	8.93	106.39	0.78	43.01
1.66	12.76	48.94	0.61	8.93	104.85	0.75	43.02
1.689	12.76	48.95	0.65	8.93	103.04	0.76	43.02
1.711	12.76	48.95	0.72	8.93	103.33	0.77	43.02
1.731	12.76	48.95	0.88	8.92	104.12	0.79	43.02
1.761	12.76	48.95	0.61	8.9	106.39	0.82	43.02
1.789	12.76	48.95	0.69	8.88	102.52	0.8	43.02
1.806	12.76	48.95	0.57	8.86	99.82	0.8	43.02
1.814	12.76	48.95	0.61	8.84	101.2	0.81	43.02
1.82	12.76	48.95	0.65	8.84	101.22	0.79	43.02

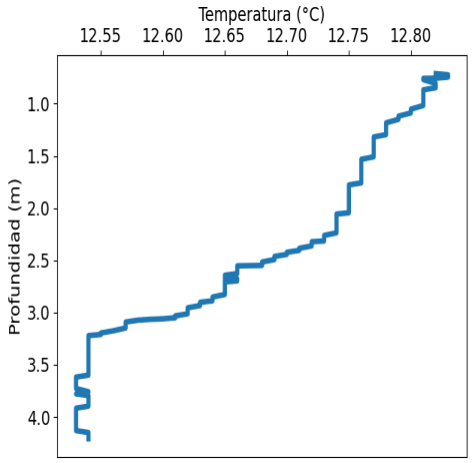
1.83	12.76	48.95	0.65	8.84	101.22	0.8	43.02
1.855	12.76	48.95	0.65	8.84	102.28	0.79	43.02
1.892	12.76	48.95	0.8	8.85	101.32	0.75	43.02
1.931	12.76	48.95	0.72	8.86	99.71	0.82	43.02
1.96	12.76	48.95	0.65	8.88	96.79	0.76	43.02
1.973	12.76	48.95	0.61	8.89	98.47	0.79	43.02
1.993	12.76	48.95	0.57	8.9	100.45	0.77	43.02
2.023	12.76	48.95	0.8	8.9	100.52	0.77	43.02
2.054	12.76	48.95	0.76	8.89	99.38	0.79	43.02
2.078	12.76	48.95	0.69	8.89	100.38	0.78	43.02
2.099	12.76	48.95	0.57	8.88	97.7	0.76	43.02
2.129	12.76	48.95	0.65	8.88	97.06	0.79	43.01
2.168	12.76	48.95	0.65	8.88	101.15	0.74	43.02
2.202	12.76	48.95	0.72	8.88	100.36	0.74	43.02
2.224	12.76	48.95	0.65	8.89	98.58	0.74	43.02
2.244	12.76	48.95	0.65	8.89	98.19	0.75	43.02
2.277	12.76	48.95	0.65	8.89	100.15	0.74	43.02
2.318	12.76	48.95	0.65	8.89	99.98	0.72	43.02
2.351	12.76	48.95	0.72	8.88	99.11	0.73	43.02
2.382	12.76	48.95	0.53	8.88	100.31	0.76	43.02
2.414	12.76	48.95	0.57	8.88	103.28	0.78	43.02
2.428	12.76	48.95	0.65	8.88	101.72	0.76	43.02
2.429	12.76	48.95	0.57	8.89	100.45	0.78	43.02
2.431	12.76	48.95	0.72	8.9	101.41	0.77	43.02
2.444	12.76	48.95	0.65	8.9	101.27	0.76	43.02
2.461	12.76	48.94	0.65	8.89	100.85	0.75	43.02
2.475	12.76	48.94	0.61	8.88	100.61	0.76	43.02
2.509	12.76	48.94	0.69	8.87	103.47	0.73	43.02
2.54	12.76	48.95	0.76	8.87	102.59	0.79	43.02
2.556	12.76	48.95	0.65	8.87	101.64	0.76	43.02
2.57	12.76	48.94	0.69	8.87	102.38	0.74	43.02
2.6	12.76	48.94	0.65	8.88	103.71	0.76	43.02
2.628	12.76	48.94	0.72	8.88	105.39	0.76	43.02
2.651	12.76	48.94	0.72	8.88	104.92	0.74	43.02
2.674	12.76	48.94	0.69	8.89	103.64	0.73	43.02
2.697	12.76	48.94	0.69	8.89	105.36	0.76	43.02
2.72	12.76	48.94	0.76	8.88	106.99	0.76	43.02
2.74	12.76	48.94	0.8	8.88	107.43	0.72	43.02
2.75	12.76	48.94	0.65	8.88	107.33	0.77	43.02
2.763	12.76	48.94	0.61	8.88	107.33	0.74	43.02
2.782	12.76	48.95	0.69	8.88	107.63	0.74	43.02
2.818	12.76	48.95	0.65	8.88	109.37	0.72	43.02
2.856	12.76	48.95	0.69	8.89	111.85	0.74	43.02
2.881	12.76	48.95	0.65	8.9	111.78	0.77	43.02
2.902	12.76	48.95	0.65	8.9	111.44	0.73	43.02
2.936	12.76	48.95	0.65	8.9	114.32	0.73	43.02
2.974	12.76	48.95	0.57	8.91	115.97	0.72	43.02
3.007	12.76	48.95	0.72	8.9	118.56	0.73	43.01
3.032	12.76	48.95	0.69	8.9	119.52	0.74	43.02
3.05	12.76	48.95	0.65	8.89	120.55	0.72	43.02
3.069	12.76	48.95	0.65	8.89	121.31	0.77	43.02
3.096	12.76	48.95	0.76	8.88	122.04	0.79	43.02
3.128	12.76	48.95	0.88	8.88	123.75	0.72	43.02
3.157	12.76	48.95	0.72	8.88	125.89	0.72	43.02
3.181	12.76	48.95	0.88	8.88	127.15	0.76	43.02
3.204	12.76	48.95	0.95	8.88	127.12	0.73	43.02
3.23	12.76	48.95	0.76	8.88	130.86	0.74	43.02
3.257	12.76	48.95	0.57	8.88	135.24	0.76	43.02

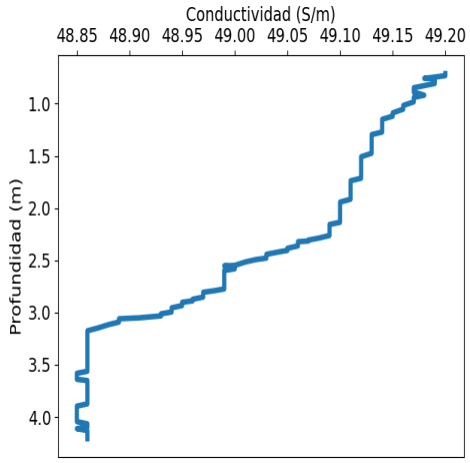
3.29	12.76	48.95	0.65	8.88	138.47	0.74	43.01
3.316	12.76	48.95	0.57	8.88	136.62	0.68	43.01
3.332	12.76	48.95	0.69	8.88	135.55	0.72	43.02
3.359	12.76	48.95	0.61	8.88	139.47	0.7	43.02
3.411	12.76	48.95	0.69	8.88	146.9	0.74	43.02
3.456	12.76	48.95	0.57	8.88	151.19	0.76	43.02
3.481	12.76	48.95	0.65	8.87	150.77	0.72	43.02
3.501	12.76	48.95	0.65	8.86	151.01	0.72	43.02
3.515	12.76	48.95	0.65	8.86	150.0	0.72	43.02
3.518	12.76	48.95	0.69	8.87	152.56	0.72	43.02
3.528	12.76	48.95	0.61	8.88	158.65	0.71	43.02
3.557	12.76	48.95	0.72	8.89	163.01	0.76	43.02
3.592	12.76	48.95	0.88	8.9	163.2	0.76	43.02
3.617	12.76	48.95	0.72	8.9	163.39	0.72	43.02
3.632	12.76	48.95	0.53	8.91	164.76	0.74	43.02
3.647	12.76	48.95	0.69	8.91	167.96	0.69	43.02
3.663	12.76	48.95	0.69	8.91	173.1	0.72	43.02
3.681	12.76	48.95	0.65	8.9	179.47	0.75	43.02
3.707	12.76	48.95	0.57	8.89	183.04	0.76	43.01
3.739	12.76	48.95	0.65	8.89	186.12	0.75	43.01
3.76	12.76	48.95	0.65	8.88	188.73	0.76	43.02
3.773	12.76	48.94	0.53	8.87	201.24	0.73	43.02
3.807	12.76	48.94	0.72	8.87	207.26	0.77	43.01
3.842	12.76	48.94	0.57	8.87	198.1	0.76	43.01
3.864	12.76	48.94	0.61	8.87	197.23	0.75	43.01
3.882	12.76	48.94	0.69	8.86	213.0	0.73	43.02
3.918	12.76	48.94	0.61	8.86	237.46	0.77	43.02
3.965	12.76	48.94	0.65	8.85	275.82	0.76	43.01
4.007	12.76	48.94	0.53	8.86	258.79	0.79	43.01
4.031	12.76	48.94	0.76	8.87	249.42	0.72	43.01
4.049	12.76	48.94	0.76	8.87	259.81	0.76	43.02
4.085	12.76	48.94	0.65	8.87	326.36	0.79	43.02
4.123	12.76	48.94	0.69	8.87	341.69	0.76	43.01
4.146	12.76	48.95	0.61	8.86	318.22	0.77	43.02
4.155	12.76	48.95	0.84	8.86	334.63	0.76	43.02
4.165	12.76	48.95	0.61	8.86	358.23	0.76	43.02
4.189	12.76	48.95	0.53	8.86	409.49	0.74	43.02
4.224	12.76	48.95	0.65	8.86	401.87	0.79	43.02
4.262	12.76	48.95	0.76	8.86	405.62	0.74	43.02
4.29	12.76	48.95	0.84	8.87	381.37	0.78	43.02
4.308	12.76	48.95	0.65	8.88	422.11	0.77	43.01
4.321	12.76	48.95	0.53	8.89	420.16	0.74	43.01
4.338	12.76	48.95	0.8	8.9	414.17	0.81	43.02
4.357	12.76	48.95	0.69	8.91	432.91	0.78	43.01
4.381	12.76	48.95	0.69	8.91	467.22	0.76	43.02
4.406	12.76	48.94	0.53	8.91	440.3	0.8	43.01
4.425	12.76	48.94	0.84	8.9	400.11	0.81	43.01
4.445	12.76	48.94	0.72	8.89	415.23	0.79	43.01
4.478	12.76	48.94	0.76	8.87	461.62	0.81	43.01
4.52	12.76	48.94	0.65	8.86	447.19	0.83	43.02
4.554	12.76	48.96	0.69	8.85	422.8	0.82	43.03
4.573	12.76	48.96	0.72	8.84	402.06	0.8	43.02
4.586	12.77	48.95	0.65	8.83	447.4	0.78	43.02
4.601	12.77	48.96	0.8	8.83	454.72	0.83	43.02
4.622	12.77	48.95	0.53	8.84	418.51	0.79	43.01
4.649	12.77	48.95	0.69	8.84	429.62	0.81	43.01
4.679	12.76	48.95	0.65	8.85	425.55	0.84	43.02
4.715	12.76	48.95	0.72	8.85	423.58	0.8	43.02

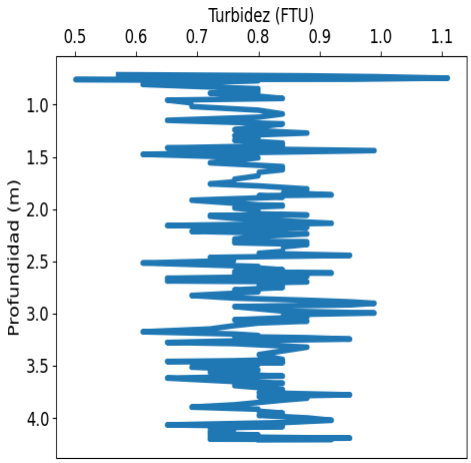
4.751	12.77	48.96	0.53	8.85	446.05	0.83	43.02
4.776	12.77	48.96	0.53	8.86	401.87	0.85	43.02
4.781	12.77	48.96	0.61	8.87	415.8	0.83	43.02
4.785	12.77	48.96	0.69	8.88	451.99	0.76	43.02
4.81	12.77	48.96	0.72	8.89	433.62	0.85	43.02
4.842	12.77	48.96	0.57	8.9	405.52	0.86	43.02
4.868	12.77	48.96	0.53	8.92	495.2	0.83	43.02
4.895	12.77	48.96	0.69	8.94	391.4	0.83	43.02
4.934	12.77	48.96	0.69	8.95	410.25	0.83	43.02
4.98	12.77	48.96	0.57	8.95	421.72	0.83	43.01
5.028	12.77	48.96	0.84	8.96	397.52	0.84	43.02
5.074	12.77	48.96	0.65	8.95	423.09	0.84	43.02
5.104	12.77	48.96	0.76	8.94	461.3	0.85	43.01
5.118	12.77	48.96	0.65	8.93	404.59	0.85	43.01
5.134	12.77	48.96	0.53	8.92	409.3	0.84	43.02
5.168	12.77	48.96	0.69	8.92	422.21	0.81	43.01
5.213	12.77	48.95	0.65	8.92	406.94	0.85	43.0
5.239	12.77	48.95	0.69	8.93	404.49	0.83	43.01
5.247	12.77	48.95	0.69	8.92	384.56	0.86	43.01
5.261	12.76	48.95	0.65	8.92	379.78	0.9	43.02
5.292	12.76	48.95	0.65	8.91	501.67	0.85	43.02
5.315	12.77	48.96	0.72	8.9	382.87	0.85	43.03
5.332	12.77	48.96	0.53	8.9	398.17	0.84	43.02
5.348	12.77	48.97	0.65	8.89	400.02	0.85	43.02
5.36	12.78	48.97	0.88	8.89	411.58	0.85	43.02
5.366	12.78	48.97	0.72	8.89	388.14	0.8	43.02
5.372	12.79	48.97	0.72	8.95	380.31	0.92	43.01
5.375	12.75	48.94	0.69	8.9	378.55	0.86	43.01
5.378	12.75	48.94	0.61	8.89	439.49	0.86	43.02
5.384	12.75	48.94	0.76	8.88	363.08	0.93	43.01
5.388	12.75	48.94	0.69	8.86	394.86	0.94	43.02
5.391	12.75	48.94	0.72	8.86	389.13	0.9	43.02
5.395	12.75	48.94	0.69	8.86	383.76	0.98	43.01
5.399	12.75	48.94	0.65	8.86	428.92	0.95	43.01
5.405	12.75	48.94	0.72	8.86	385.81	0.94	43.01
5.412	12.75	48.94	0.61	8.86	397.06	0.92	43.02
5.415	12.75	48.94	0.72	8.89	392.58	0.89	43.01
5.419	12.75	48.94	0.65	8.89	393.58	0.85	43.01
5.426	12.75	48.94	0.76	8.88	382.34	0.87	43.01
5.434	12.75	48.94	0.53	8.88	375.75	0.88	43.01
5.436	12.75	48.94	0.57	8.88	443.17	0.91	43.01

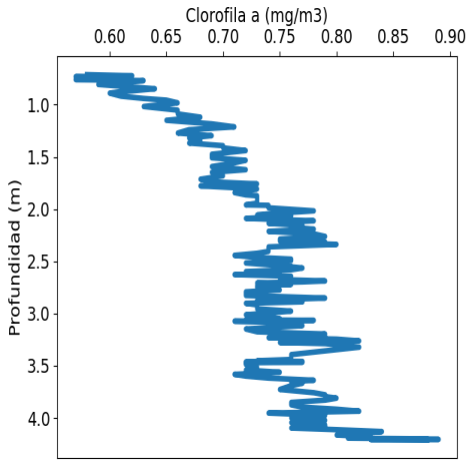
Nombre: CTD E11 - Punto 017 **Fecha: 05/02/2025** **Hora: 11:02:26**

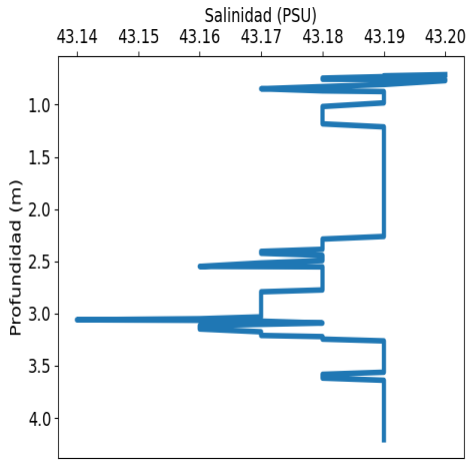


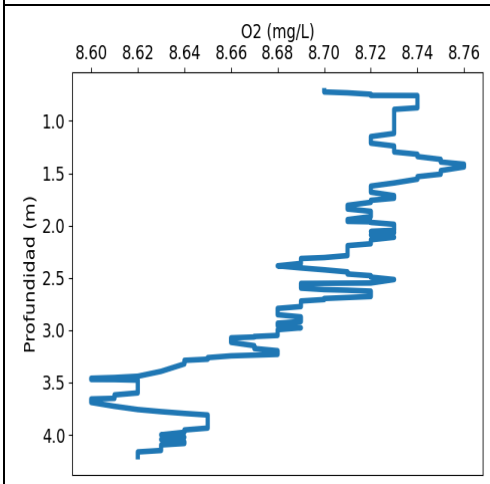


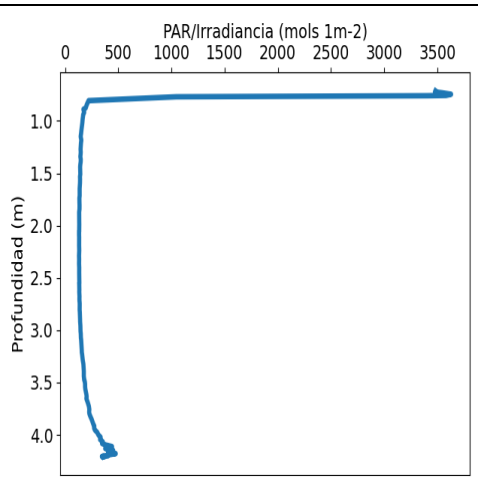












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.53	48.85	0.5	8.6	130.46	0.57	43.14
PROF (metros)	3.618	3.582	0.76	3.459	2.287	0.732	3.06
MÁXIMO	12.83	12.83	1.11	8.76	3629.5	0.89	43.2
PROF (metros)	0.724	0.713	0.746	1.414	0.746	4.205	0.713

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E11 - Punto 017	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.82	49.18	0.78	8.73	1608.55	0.61	43.19
1 - 2m	12.77	49.12	0.79	8.73	140.45	0.7	43.19
2 - 3m	12.69	49.02	0.81	8.7	134.03	0.75	43.18
3 - 4m	12.55	48.86	0.79	8.64	194.18	0.76	43.18
4 - 5m	12.54	48.86	0.79	8.63	382.3	0.82	43.19

OBSERVACIONES GENERALES

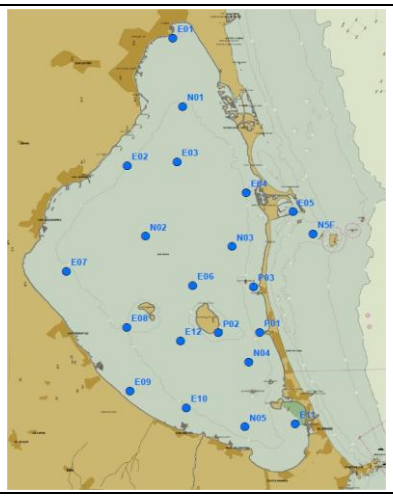
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.713	12.82	49.2	0.57	8.7	3482.0	0.58	43.2
0.724	12.83	49.2	0.88	8.7	3477.2	0.62	43.19
0.732	12.83	49.2	0.99	8.71	3544.7	0.57	43.19
0.746	12.83	49.19	1.11	8.72	3629.5	0.61	43.18
0.757	12.82	49.18	0.95	8.72	3581.0	0.59	43.18
0.758	12.81	49.18	0.8	8.74	3517.7	0.6	43.19
0.76	12.81	49.19	0.5	8.74	3403.0	0.57	43.2
0.77	12.81	49.19	0.8	8.74	1045.7	0.63	43.2
0.807	12.82	49.19	0.61	8.74	220.13	0.59	43.19
0.848	12.82	49.17	0.8	8.74	202.32	0.64	43.17
0.868	12.81	49.17	0.76	8.74	196.04	0.62	43.18
0.875	12.81	49.17	0.8	8.74	194.05	0.61	43.19
0.89	12.81	49.17	0.72	8.73	171.38	0.6	43.19
0.919	12.81	49.18	0.8	8.73	179.22	0.61	43.19
0.941	12.81	49.17	0.84	8.73	169.09	0.63	43.19
0.957	12.81	49.17	0.65	8.73	167.92	0.65	43.19
0.983	12.81	49.17	0.69	8.73	164.42	0.66	43.19
1.018	12.81	49.16	0.69	8.73	161.55	0.63	43.18
1.053	12.8	49.16	0.8	8.73	156.9	0.66	43.18
1.089	12.8	49.15	0.84	8.73	152.88	0.66	43.18
1.12	12.79	49.15	0.8	8.73	149.93	0.68	43.18
1.15	12.79	49.14	0.65	8.72	145.78	0.65	43.18
1.184	12.78	49.14	0.84	8.72	152.06	0.69	43.18
1.213	12.78	49.14	0.8	8.72	148.58	0.71	43.19
1.24	12.78	49.14	0.76	8.73	146.6	0.67	43.19
1.272	12.78	49.14	0.88	8.73	144.87	0.66	43.19
1.297	12.78	49.13	0.76	8.73	146.49	0.69	43.19
1.319	12.77	49.13	0.8	8.74	145.34	0.67	43.19
1.341	12.77	49.13	0.76	8.74	142.64	0.68	43.19
1.368	12.77	49.13	0.84	8.75	146.77	0.67	43.19
1.393	12.77	49.13	0.84	8.75	145.82	0.7	43.19
1.414	12.77	49.13	0.65	8.76	142.87	0.7	43.19
1.44	12.77	49.13	0.99	8.76	140.74	0.72	43.19
1.475	12.77	49.13	0.61	8.75	141.62	0.69	43.19
1.509	12.77	49.12	0.8	8.75	142.51	0.69	43.19
1.533	12.76	49.12	0.76	8.74	139.31	0.72	43.19
1.557	12.76	49.12	0.72	8.74	140.18	0.71	43.19

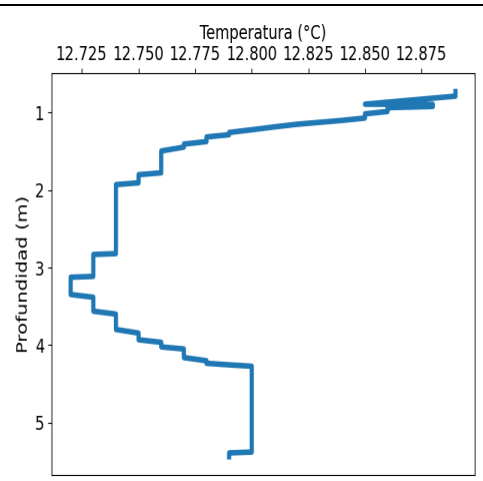
1.593	12.76	49.12	0.84	8.73	139.57	0.69	43.19
1.623	12.76	49.12	0.84	8.72	137.32	0.72	43.19
1.648	12.76	49.12	0.8	8.72	136.18	0.69	43.19
1.681	12.76	49.12	0.8	8.72	136.09	0.7	43.19
1.714	12.76	49.12	0.76	8.73	136.4	0.68	43.19
1.739	12.76	49.11	0.76	8.73	133.77	0.69	43.19
1.759	12.76	49.11	0.72	8.72	133.8	0.73	43.19
1.778	12.75	49.11	0.8	8.72	134.3	0.68	43.19
1.807	12.75	49.11	0.88	8.71	135.14	0.73	43.19
1.842	12.75	49.11	0.84	8.71	134.83	0.71	43.19
1.864	12.75	49.11	0.92	8.72	132.51	0.72	43.19
1.872	12.75	49.11	0.8	8.72	131.56	0.73	43.19
1.885	12.75	49.11	0.84	8.72	131.77	0.73	43.19
1.915	12.75	49.11	0.69	8.72	131.89	0.73	43.19
1.943	12.75	49.1	0.76	8.71	131.74	0.73	43.19
1.96	12.75	49.1	0.8	8.71	131.41	0.72	43.19
1.964	12.75	49.1	0.84	8.72	131.1	0.74	43.19
1.97	12.75	49.1	0.84	8.72	132.2	0.74	43.19
1.988	12.75	49.1	0.76	8.73	132.6	0.74	43.19
2.017	12.75	49.1	0.8	8.73	132.2	0.78	43.19
2.045	12.75	49.1	0.8	8.73	131.59	0.74	43.19
2.057	12.74	49.1	0.88	8.72	131.8	0.73	43.19
2.059	12.74	49.1	0.72	8.73	130.77	0.76	43.19
2.069	12.74	49.1	0.72	8.73	130.53	0.76	43.19
2.089	12.74	49.1	0.76	8.72	130.65	0.72	43.19
2.112	12.74	49.1	0.84	8.73	131.5	0.78	43.19
2.136	12.74	49.1	0.92	8.72	131.19	0.74	43.19
2.157	12.74	49.09	0.65	8.72	130.89	0.77	43.19
2.174	12.74	49.09	0.88	8.72	130.89	0.76	43.19
2.192	12.74	49.09	0.76	8.71	131.19	0.78	43.19
2.213	12.74	49.09	0.69	8.71	131.92	0.74	43.19
2.237	12.74	49.09	0.88	8.71	132.32	0.78	43.19
2.262	12.73	49.09	0.8	8.71	131.28	0.79	43.19
2.287	12.73	49.08	0.76	8.71	130.46	0.75	43.18
2.306	12.73	49.07	0.76	8.7	130.98	0.75	43.18
2.315	12.73	49.07	0.88	8.69	131.5	0.79	43.18
2.322	12.72	49.06	0.76	8.69	131.37	0.76	43.18
2.338	12.72	49.06	0.88	8.69	131.01	0.8	43.18
2.362	12.72	49.06	0.84	8.69	130.56	0.74	43.18
2.385	12.71	49.05	0.84	8.68	131.56	0.74	43.18
2.405	12.71	49.05	0.84	8.69	132.23	0.74	43.17
2.423	12.7	49.04	0.8	8.7	131.71	0.73	43.17
2.443	12.7	49.03	0.95	8.71	131.86	0.71	43.18
2.463	12.69	49.03	0.72	8.71	131.99	0.73	43.18
2.479	12.69	49.03	0.76	8.72	131.47	0.76	43.18
2.493	12.69	49.02	0.76	8.72	131.59	0.76	43.18
2.516	12.68	49.01	0.61	8.73	132.81	0.72	43.17
2.549	12.68	49.0	0.8	8.72	133.34	0.76	43.16
2.553	12.66	48.99	0.8	8.69	131.68	0.76	43.18
2.564	12.66	49.0	0.8	8.69	132.51	0.77	43.18
2.581	12.66	49.0	0.84	8.69	132.97	0.76	43.18
2.598	12.66	48.99	0.76	8.69	133.46	0.72	43.18
2.612	12.66	48.99	0.92	8.7	133.86	0.72	43.18
2.618	12.66	48.99	0.76	8.71	133.37	0.75	43.18
2.627	12.66	48.99	0.88	8.72	132.63	0.71	43.18
2.643	12.65	48.99	0.88	8.72	133.03	0.76	43.18
2.662	12.65	48.99	0.65	8.72	134.3	0.75	43.18
2.678	12.66	48.99	0.76	8.72	134.74	0.76	43.18

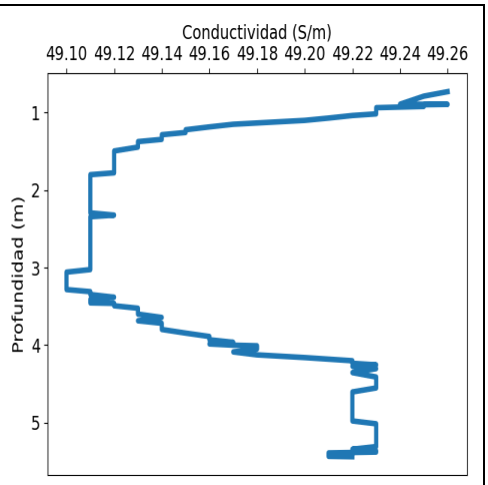
2.688	12.65	48.99	0.65	8.71	134.14	0.79	43.18
2.697	12.66	48.99	0.88	8.7	134.14	0.77	43.18
2.707	12.65	48.99	0.8	8.7	134.24	0.73	43.18
2.721	12.65	48.99	0.84	8.69	134.67	0.76	43.18
2.732	12.65	48.99	0.8	8.69	135.93	0.73	43.18
2.75	12.65	48.99	0.84	8.69	136.81	0.73	43.18
2.774	12.65	48.99	0.76	8.69	136.59	0.75	43.18
2.792	12.65	48.98	0.8	8.68	135.77	0.72	43.17
2.806	12.65	48.97	0.76	8.68	136.28	0.72	43.17
2.827	12.65	48.97	0.69	8.68	137.83	0.72	43.17
2.852	12.64	48.97	0.76	8.68	138.83	0.79	43.17
2.873	12.64	48.96	0.88	8.69	139.47	0.73	43.17
2.888	12.64	48.96	0.95	8.69	139.89	0.77	43.17
2.902	12.63	48.95	0.99	8.69	140.44	0.72	43.17
2.917	12.63	48.95	0.95	8.69	140.54	0.73	43.17
2.933	12.63	48.95	0.76	8.68	141.72	0.73	43.17
2.955	12.62	48.94	0.8	8.68	143.17	0.73	43.17
2.977	12.62	48.94	0.84	8.69	143.7	0.76	43.17
2.995	12.62	48.94	0.99	8.68	143.84	0.74	43.17
3.012	12.62	48.93	0.84	8.68	144.61	0.72	43.17
3.032	12.61	48.93	0.88	8.68	146.83	0.74	43.17
3.05	12.61	48.91	0.8	8.68	147.18	0.75	43.16
3.06	12.6	48.89	0.76	8.67	147.38	0.72	43.14
3.065	12.59	48.89	0.84	8.67	147.04	0.78	43.16
3.073	12.58	48.89	0.88	8.66	148.0	0.71	43.17
3.091	12.57	48.89	0.8	8.66	150.42	0.76	43.18
3.116	12.57	48.88	0.76	8.66	151.89	0.77	43.16
3.148	12.57	48.87	0.72	8.67	153.37	0.72	43.16
3.175	12.56	48.86	0.61	8.67	154.62	0.73	43.17
3.196	12.55	48.86	0.76	8.68	156.28	0.79	43.17
3.21	12.55	48.86	0.8	8.68	156.46	0.78	43.17
3.221	12.54	48.86	0.76	8.68	158.1	0.79	43.18
3.231	12.54	48.86	0.88	8.68	159.43	0.74	43.18
3.245	12.54	48.86	0.95	8.66	160.8	0.8	43.18
3.262	12.54	48.86	0.76	8.65	162.19	0.82	43.19
3.277	12.54	48.86	0.65	8.65	163.73	0.75	43.19
3.288	12.54	48.86	0.76	8.64	165.64	0.79	43.19
3.322	12.54	48.86	0.88	8.64	171.3	0.82	43.19
3.393	12.54	48.86	0.8	8.63	175.56	0.76	43.19
3.44	12.54	48.86	0.84	8.62	175.4	0.76	43.19
3.452	12.54	48.86	0.76	8.61	177.32	0.73	43.19
3.459	12.54	48.86	0.65	8.6	178.85	0.77	43.19
3.462	12.54	48.86	0.84	8.6	178.19	0.72	43.19
3.466	12.54	48.86	0.8	8.6	178.77	0.77	43.19
3.471	12.54	48.86	0.84	8.6	178.27	0.72	43.19
3.472	12.54	48.86	0.8	8.61	178.19	0.73	43.19
3.477	12.54	48.86	0.8	8.62	179.72	0.72	43.19
3.488	12.54	48.86	0.8	8.62	184.11	0.72	43.19
3.513	12.54	48.86	0.69	8.62	187.21	0.73	43.19
3.541	12.54	48.86	0.8	8.62	187.47	0.72	43.19
3.562	12.54	48.86	0.72	8.62	189.52	0.75	43.19
3.582	12.54	48.85	0.76	8.62	193.38	0.71	43.18
3.599	12.54	48.85	0.84	8.62	195.95	0.72	43.18
3.618	12.53	48.85	0.65	8.61	200.41	0.74	43.18
3.639	12.53	48.85	0.72	8.61	202.46	0.78	43.19
3.651	12.53	48.86	0.76	8.61	199.39	0.76	43.19
3.657	12.53	48.86	0.8	8.6	200.64	0.76	43.19
3.667	12.53	48.86	0.84	8.6	204.35	0.77	43.19

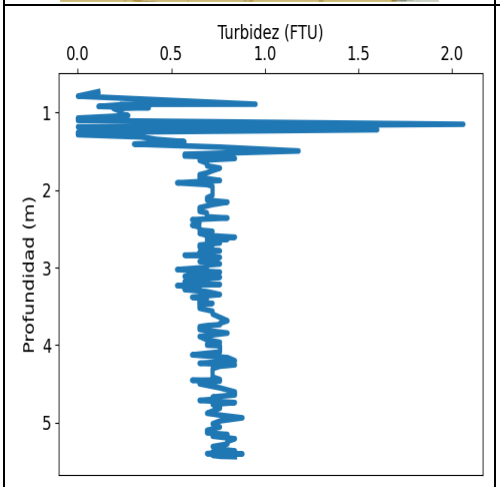
3.69	12.53	48.86	0.76	8.6	212.41	0.76	43.19
3.727	12.53	48.86	0.84	8.61	223.06	0.75	43.19
3.758	12.54	48.86	0.8	8.62	227.6	0.78	43.19
3.778	12.53	48.86	0.95	8.63	225.55	0.79	43.19
3.795	12.54	48.86	0.8	8.64	226.97	0.79	43.19
3.81	12.54	48.86	0.88	8.65	231.97	0.8	43.19
3.829	12.54	48.86	0.84	8.65	239.4	0.79	43.19
3.851	12.54	48.86	0.8	8.65	248.9	0.76	43.19
3.874	12.54	48.86	0.76	8.65	256.75	0.76	43.19
3.896	12.54	48.85	0.69	8.65	264.3	0.77	43.19
3.916	12.53	48.85	0.8	8.65	273.91	0.8	43.19
3.935	12.53	48.85	0.8	8.65	272.32	0.82	43.19
3.953	12.53	48.85	0.84	8.64	279.36	0.74	43.19
3.975	12.53	48.85	0.8	8.64	300.65	0.79	43.19
3.999	12.53	48.85	0.88	8.63	312.23	0.76	43.19
4.022	12.53	48.85	0.92	8.64	333.16	0.79	43.19
4.044	12.53	48.85	0.84	8.63	328.33	0.76	43.19
4.066	12.53	48.86	0.65	8.64	353.94	0.79	43.19
4.082	12.53	48.86	0.84	8.64	346.95	0.79	43.19
4.096	12.53	48.86	0.72	8.63	380.31	0.76	43.19
4.112	12.53	48.85	0.76	8.63	441.02	0.8	43.19
4.13	12.53	48.86	0.72	8.63	376.54	0.84	43.19
4.149	12.54	48.86	0.72	8.63	452.09	0.82	43.19
4.163	12.54	48.86	0.8	8.62	404.3	0.8	43.19
4.179	12.54	48.86	0.72	8.62	475.52	0.83	43.19
4.193	12.54	48.86	0.95	8.62	395.59	0.81	43.19
4.2	12.54	48.86	0.8	8.62	402.53	0.88	43.19
4.201	12.54	48.86	0.72	8.62	390.04	0.83	43.19
4.203	12.54	48.86	0.72	8.62	383.67	0.85	43.19
4.205	12.54	48.86	0.92	8.62	350.92	0.89	43.19
4.206	12.54	48.86	0.88	8.62	374.53	0.83	43.19
4.207	12.54	48.86	0.8	8.62	345.35	0.87	43.19
4.208	12.54	48.86	0.8	8.62	346.63	0.88	43.19

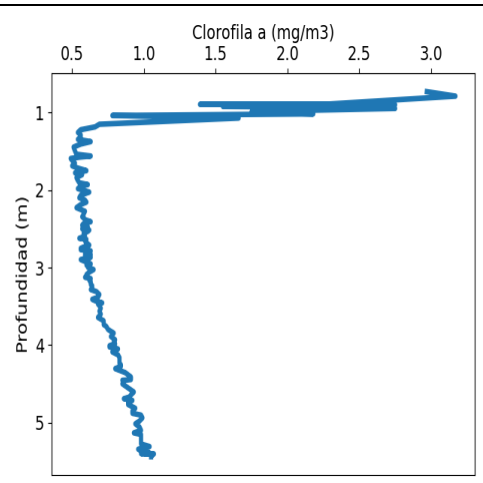
Nombre: CTD N05 - Punto 018 **Fecha: 05/02/2025** **Hora: 11:02:29**

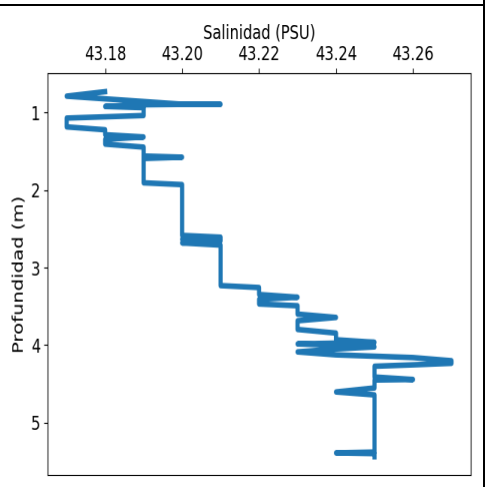


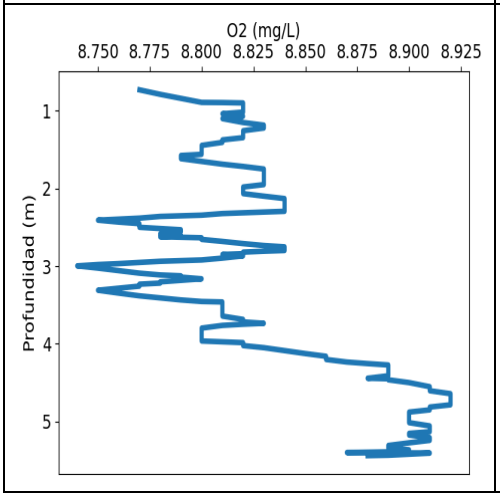


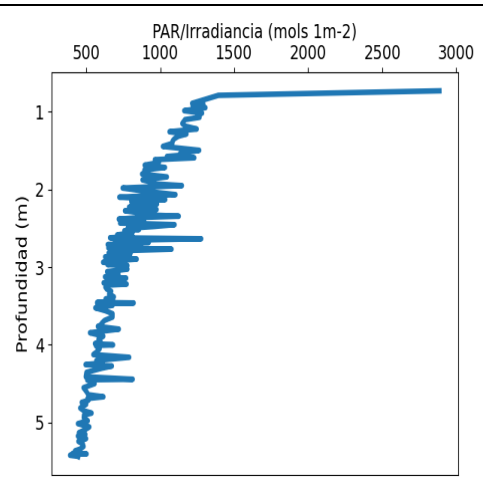


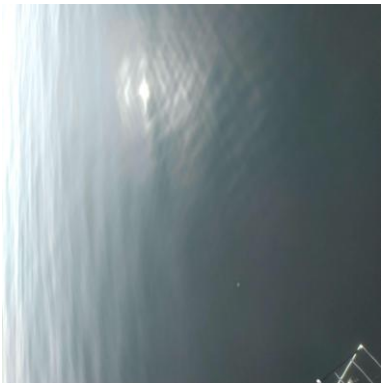












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.72	49.1	0.0	8.74	389.22	0.49	43.17
PROF (metros)	3.125	3.059	0.787	2.997	5.424	1.592	0.787
MÁXIMO	12.89	12.89	2.06	8.92	2888.0	3.17	43.27
PROF (metros)	0.729	0.729	1.15	4.644	0.729	0.787	4.203

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD N05 - Punto 018	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.87	49.25	0.3	8.81	1420.92	2.29	43.19
1 - 2m	12.77	49.13	0.72	8.82	1053.29	0.62	43.19
2 - 3m	12.74	49.11	0.69	8.8	818.67	0.59	43.2
3 - 4m	12.73	49.12	0.68	8.79	648.48	0.68	43.22
4 - 5m	12.79	49.21	0.75	8.89	551.19	0.87	43.25
5 - 6m	12.79	49.22	0.77	8.9	454.44	1.0	43.25

OBSERVACIONES GENERALES
CLOROFILA elevada en la(s) columna(s) de agua 0 - 1m con los valores 2.29 respectivamente

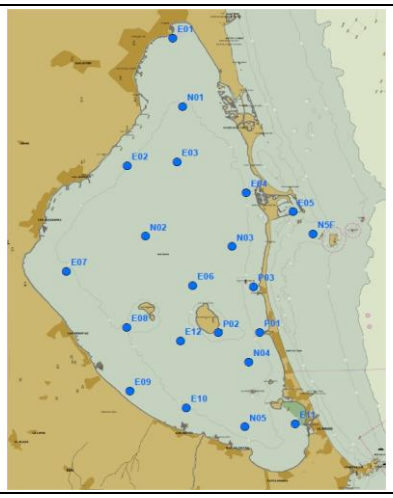
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.729	12.89	49.26	0.11	8.77	2888.0	2.97	43.18
0.787	12.89	49.25	0.0	8.78	1392.9	3.17	43.17
0.891	12.85	49.24	0.95	8.8	1214.6	2.27	43.2
0.892	12.87	49.26	0.23	8.81	1233.9	2.61	43.21
0.893	12.88	49.26	0.23	8.81	1247.7	1.39	43.2
0.898	12.88	49.25	0.23	8.82	1291.8	2.75	43.19
0.92	12.88	49.25	0.11	8.82	1218.3	1.55	43.18
0.936	12.86	49.23	0.38	8.82	1226.8	2.59	43.19
0.946	12.86	49.23	0.19	8.82	1306.0	2.75	43.19
0.985	12.86	49.23	0.23	8.82	1161.2	1.75	43.19
1.016	12.85	49.23	0.23	8.82	1283.5	2.18	43.19
1.037	12.85	49.22	0.27	8.81	1253.2	0.78	43.19
1.07	12.85	49.21	0.0	8.82	1266.6	1.66	43.17
1.1	12.84	49.2	0.0	8.81	1167.1	1.3	43.17
1.15	12.82	49.17	2.06	8.82	1148.4	0.69	43.17
1.184	12.81	49.16	0.0	8.83	1170.1	0.66	43.17
1.221	12.8	49.15	1.6	8.83	1247.4	0.56	43.18
1.256	12.79	49.15	0.0	8.82	1061.8	0.54	43.18
1.285	12.79	49.14	0.0	8.82	1178.0	0.56	43.18
1.314	12.78	49.14	0.34	8.82	1122.6	0.56	43.19
1.345	12.78	49.14	0.42	8.82	1096.3	0.54	43.18
1.374	12.78	49.13	0.57	8.81	1083.5	0.63	43.18
1.406	12.77	49.13	0.3	8.81	1082.4	0.56	43.18
1.445	12.77	49.13	0.76	8.8	1016.8	0.51	43.19
1.495	12.76	49.12	1.18	8.8	1264.0	0.52	43.19
1.537	12.76	49.12	0.57	8.8	1133.3	0.53	43.19
1.56	12.76	49.12	0.57	8.8	1132.2	0.63	43.19
1.575	12.76	49.12	0.76	8.79	1044.3	0.55	43.2
1.592	12.76	49.12	0.84	8.79	1231.0	0.49	43.19
1.616	12.76	49.12	0.65	8.79	962.66	0.5	43.19
1.652	12.76	49.12	0.69	8.8	991.42	0.52	43.19
1.687	12.76	49.12	0.69	8.81	893.64	0.5	43.19
1.716	12.76	49.12	0.76	8.82	1032.9	0.54	43.19
1.749	12.76	49.12	0.72	8.83	892.19	0.6	43.19
1.777	12.76	49.12	0.69	8.83	917.57	0.52	43.19

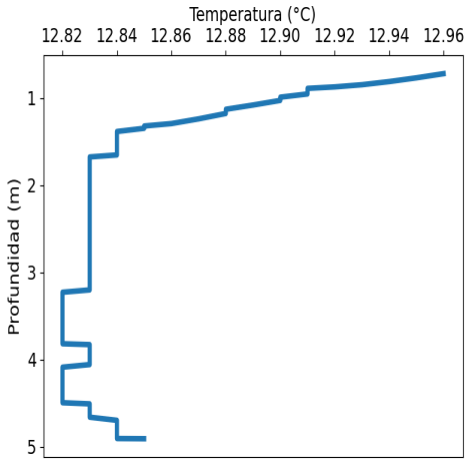
1.801	12.75	49.11	0.65	8.83	876.21	0.57	43.19
1.838	12.75	49.11	0.65	8.83	1045.5	0.53	43.19
1.876	12.75	49.11	0.76	8.83	879.05	0.54	43.19
1.906	12.75	49.11	0.53	8.83	943.66	0.55	43.19
1.929	12.74	49.11	0.69	8.83	972.76	0.61	43.2
1.95	12.74	49.11	0.72	8.83	1147.3	0.56	43.2
1.981	12.74	49.11	0.72	8.82	744.98	0.54	43.2
2.026	12.74	49.11	0.72	8.82	912.9	0.62	43.2
2.066	12.74	49.11	0.72	8.82	1103.7	0.56	43.2
2.099	12.74	49.11	0.69	8.83	722.53	0.55	43.2
2.13	12.74	49.11	0.69	8.84	1034.6	0.59	43.2
2.155	12.74	49.11	0.8	8.84	803.27	0.6	43.2
2.187	12.74	49.11	0.72	8.84	978.86	0.56	43.2
2.227	12.74	49.11	0.65	8.84	788.33	0.53	43.2
2.258	12.74	49.11	0.65	8.84	975.92	0.57	43.2
2.274	12.74	49.11	0.65	8.84	760.51	0.59	43.2
2.294	12.74	49.11	0.69	8.84	836.13	0.58	43.2
2.323	12.74	49.12	0.69	8.81	854.94	0.58	43.2
2.344	12.74	49.11	0.69	8.8	1126.0	0.57	43.2
2.36	12.74	49.11	0.8	8.78	873.17	0.58	43.2
2.382	12.74	49.11	0.61	8.77	718.69	0.59	43.2
2.408	12.74	49.11	0.65	8.75	891.78	0.63	43.2
2.433	12.74	49.11	0.65	8.76	727.74	0.58	43.2
2.453	12.74	49.11	0.61	8.77	1097.6	0.57	43.2
2.477	12.74	49.11	0.65	8.77	956.66	0.61	43.2
2.5	12.74	49.11	0.65	8.77	778.34	0.57	43.2
2.516	12.74	49.11	0.65	8.78	857.32	0.62	43.2
2.532	12.74	49.11	0.72	8.79	756.11	0.61	43.2
2.558	12.74	49.11	0.65	8.79	813.01	0.58	43.2
2.585	12.74	49.11	0.69	8.78	708.11	0.59	43.2
2.608	12.74	49.11	0.84	8.79	814.51	0.57	43.21
2.622	12.74	49.11	0.69	8.78	659.93	0.55	43.21
2.635	12.74	49.11	0.8	8.8	1277.6	0.6	43.2
2.656	12.74	49.11	0.69	8.8	692.69	0.59	43.21
2.682	12.74	49.11	0.76	8.81	923.11	0.6	43.2
2.71	12.74	49.11	0.65	8.82	644.22	0.62	43.21
2.735	12.74	49.11	0.65	8.83	870.94	0.58	43.21
2.752	12.74	49.11	0.72	8.84	648.26	0.56	43.21
2.769	12.74	49.11	0.69	8.84	1076.9	0.56	43.21
2.785	12.74	49.11	0.76	8.84	796.96	0.63	43.21
2.799	12.74	49.11	0.65	8.84	664.23	0.6	43.21
2.808	12.74	49.11	0.65	8.83	802.34	0.62	43.21
2.82	12.74	49.11	0.69	8.82	649.61	0.59	43.21
2.831	12.73	49.11	0.69	8.82	742.05	0.63	43.21
2.84	12.73	49.11	0.57	8.82	796.96	0.59	43.21
2.85	12.73	49.11	0.69	8.81	761.04	0.59	43.21
2.868	12.73	49.11	0.76	8.82	626.4	0.63	43.21
2.897	12.73	49.11	0.72	8.81	841.57	0.56	43.21
2.921	12.73	49.11	0.65	8.8	664.69	0.59	43.21
2.938	12.73	49.11	0.72	8.78	612.62	0.61	43.21
2.953	12.73	49.11	0.76	8.77	701.41	0.63	43.21
2.968	12.73	49.11	0.69	8.76	643.02	0.6	43.21
2.98	12.73	49.11	0.69	8.75	778.88	0.62	43.21
2.997	12.73	49.11	0.69	8.74	711.4	0.61	43.21
3.026	12.73	49.11	0.53	8.75	778.88	0.65	43.21
3.059	12.73	49.1	0.76	8.76	639.9	0.62	43.21
3.091	12.73	49.1	0.61	8.77	717.86	0.6	43.21
3.114	12.73	49.1	0.57	8.78	666.08	0.6	43.21

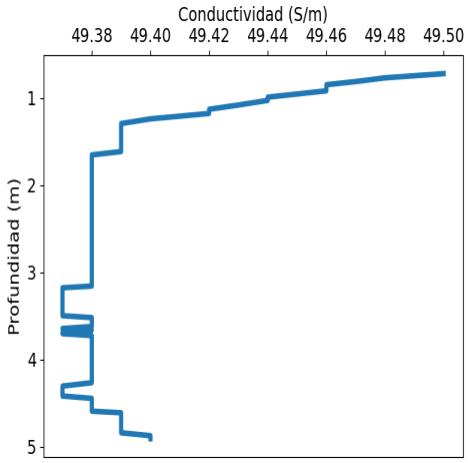
3.125	12.72	49.1	0.76	8.79	625.53	0.59	43.21
3.142	12.72	49.1	0.65	8.79	770.26	0.63	43.21
3.164	12.72	49.1	0.65	8.8	638.12	0.62	43.21
3.183	12.72	49.1	0.57	8.79	748.96	0.63	43.21
3.203	12.72	49.1	0.69	8.78	616.18	0.63	43.21
3.219	12.72	49.1	0.76	8.78	773.66	0.63	43.21
3.233	12.72	49.1	0.53	8.77	638.42	0.64	43.21
3.258	12.72	49.1	0.65	8.77	628.44	0.64	43.22
3.284	12.72	49.1	0.57	8.76	638.42	0.63	43.22
3.311	12.72	49.11	0.69	8.75	669.02	0.67	43.22
3.348	12.72	49.11	0.76	8.76	653.39	0.69	43.22
3.383	12.73	49.12	0.61	8.77	687.25	0.68	43.23
3.41	12.73	49.11	0.69	8.78	629.46	0.64	43.22
3.436	12.73	49.11	0.65	8.79	682.81	0.67	43.22
3.456	12.73	49.11	0.65	8.8	572.13	0.71	43.22
3.462	12.73	49.12	0.72	8.81	821.15	0.69	43.22
3.47	12.73	49.12	0.65	8.81	573.06	0.68	43.22
3.493	12.73	49.12	0.65	8.81	678.23	0.69	43.23
3.525	12.73	49.13	0.65	8.81	560.19	0.7	43.23
3.563	12.73	49.13	0.72	8.81	629.9	0.69	43.23
3.601	12.74	49.13	0.72	8.81	678.23	0.7	43.23
3.644	12.74	49.14	0.76	8.81	677.92	0.68	43.24
3.687	12.74	49.13	0.8	8.82	623.79	0.72	43.23
3.719	12.74	49.14	0.76	8.82	606.26	0.72	43.23
3.737	12.74	49.14	0.76	8.83	600.39	0.72	43.23
3.749	12.74	49.14	0.69	8.82	595.26	0.73	43.23
3.764	12.74	49.14	0.65	8.81	577.33	0.74	43.23
3.799	12.74	49.14	0.65	8.8	720.86	0.75	43.23
3.846	12.75	49.15	0.8	8.8	524.14	0.79	43.24
3.89	12.75	49.16	0.65	8.8	615.89	0.77	43.24
3.932	12.75	49.16	0.69	8.8	581.35	0.8	43.24
3.965	12.76	49.17	0.76	8.8	597.61	0.79	43.25
3.986	12.76	49.16	0.69	8.82	557.6	0.8	43.23
4.002	12.76	49.17	0.69	8.82	682.17	0.77	43.24
4.01	12.76	49.18	0.76	8.82	563.84	0.76	43.24
4.024	12.76	49.18	0.76	8.82	569.75	0.76	43.25
4.051	12.77	49.18	0.76	8.83	591.14	0.82	43.24
4.089	12.77	49.17	0.76	8.84	573.06	0.78	43.23
4.127	12.77	49.18	0.61	8.85	546.85	0.82	43.24
4.162	12.77	49.2	0.8	8.86	790.71	0.83	43.26
4.203	12.78	49.22	0.84	8.86	567.38	0.83	43.27
4.236	12.78	49.22	0.65	8.87	610.35	0.83	43.27
4.256	12.79	49.23	0.84	8.88	494.06	0.84	43.26
4.274	12.8	49.22	0.76	8.89	673.84	0.84	43.25
4.305	12.8	49.23	0.72	8.89	600.11	0.8	43.25
4.356	12.8	49.22	0.72	8.89	500.63	0.87	43.25
4.413	12.8	49.23	0.72	8.89	495.66	0.91	43.25
4.445	12.8	49.23	0.76	8.88	814.51	0.91	43.26
4.452	12.8	49.23	0.72	8.89	513.08	0.88	43.25
4.455	12.8	49.23	0.61	8.89	505.64	0.85	43.25
4.465	12.8	49.23	0.76	8.89	550.41	0.86	43.25
4.501	12.8	49.23	0.65	8.9	557.08	0.85	43.25
4.554	12.8	49.23	0.76	8.91	480.73	0.89	43.25
4.606	12.8	49.22	0.84	8.91	501.79	0.93	43.24
4.644	12.8	49.22	0.84	8.92	513.2	0.91	43.25
4.671	12.8	49.22	0.72	8.92	616.75	0.9	43.25
4.693	12.8	49.22	0.76	8.92	507.29	0.86	43.25
4.715	12.8	49.22	0.65	8.92	514.99	0.92	43.25

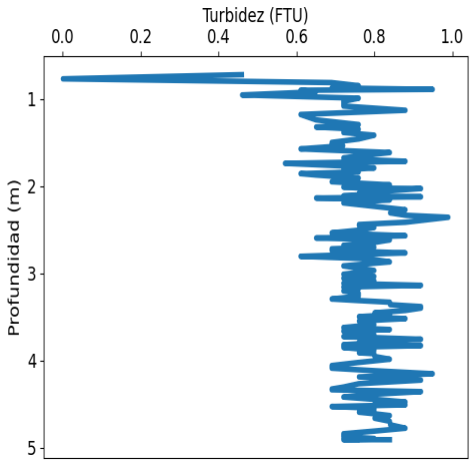
4.743	12.8	49.22	0.84	8.92	468.19	0.89	43.25
4.768	12.8	49.22	0.72	8.92	499.93	0.89	43.25
4.787	12.8	49.22	0.76	8.92	480.06	0.91	43.25
4.816	12.8	49.22	0.76	8.91	458.1	0.94	43.25
4.852	12.8	49.22	0.72	8.91	485.32	0.92	43.25
4.881	12.8	49.22	0.69	8.9	536.55	0.92	43.25
4.905	12.8	49.22	0.76	8.9	484.08	0.98	43.25
4.94	12.8	49.22	0.88	8.9	482.4	0.99	43.25
4.98	12.8	49.22	0.76	8.9	510.83	0.97	43.25
5.017	12.8	49.23	0.72	8.9	442.66	0.94	43.25
5.059	12.8	49.23	0.76	8.91	521.23	0.97	43.25
5.101	12.8	49.23	0.69	8.91	485.88	0.98	43.25
5.134	12.8	49.23	0.69	8.91	448.96	0.93	43.25
5.155	12.8	49.23	0.8	8.9	494.86	0.98	43.25
5.177	12.8	49.23	0.72	8.9	442.35	0.98	43.25
5.21	12.8	49.23	0.84	8.91	499.59	0.98	43.25
5.245	12.8	49.23	0.8	8.91	445.74	0.98	43.25
5.277	12.8	49.23	0.8	8.9	476.96	0.98	43.25
5.311	12.8	49.23	0.72	8.89	482.18	1.04	43.25
5.345	12.8	49.22	0.76	8.89	456.72	0.96	43.25
5.367	12.8	49.23	0.84	8.9	423.29	0.98	43.25
5.382	12.8	49.23	0.72	8.9	458.85	1.0	43.25
5.393	12.79	49.21	0.76	8.89	445.64	1.04	43.24
5.402	12.79	49.21	0.69	8.87	406.28	0.98	43.25
5.406	12.79	49.21	0.88	8.89	423.49	1.07	43.25
5.407	12.79	49.21	0.84	8.91	502.72	1.01	43.25
5.41	12.79	49.21	0.84	8.91	409.78	1.06	43.25
5.424	12.79	49.21	0.72	8.9	389.22	1.06	43.25
5.437	12.79	49.21	0.76	8.89	440.71	1.05	43.25
5.442	12.79	49.22	0.84	8.88	446.05	1.05	43.25

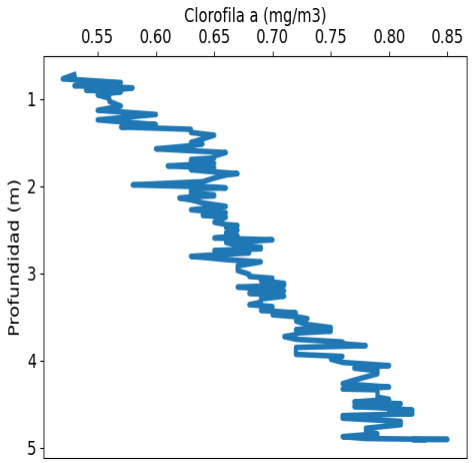
Nombre: CTD E10 - Punto 019 **Fecha: 05/02/2025** **Hora: 12:02:49**

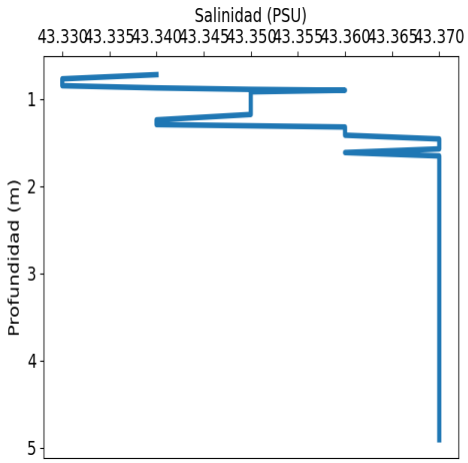


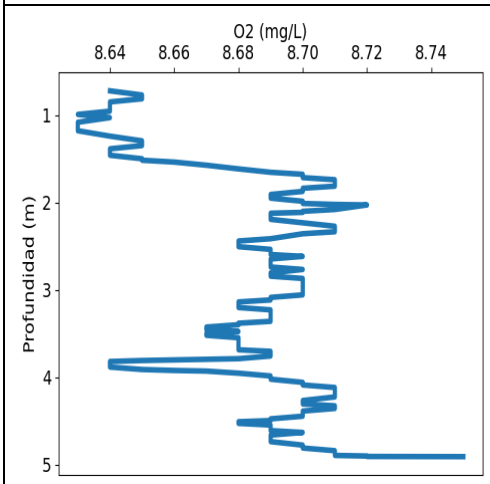


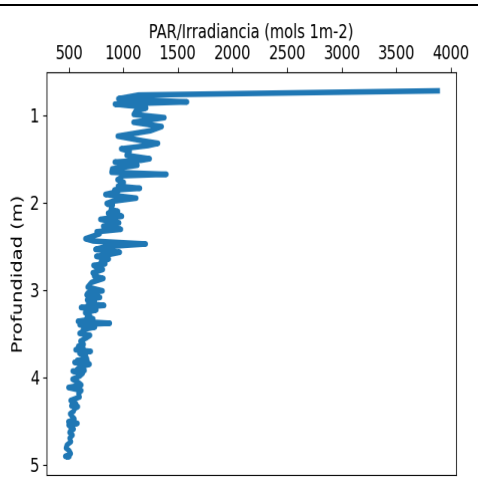


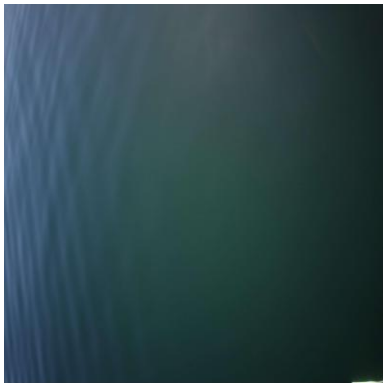












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.82	49.37	0.0	8.63	464.52	0.52	43.33
PROF (metros)	3.296	3.179	0.769	0.991	4.907	0.769	0.769
MÁXIMO	12.96	12.96	0.99	8.75	3881.8	0.85	43.37
PROF (metros)	0.721	0.721	2.358	4.911	0.721	4.907	1.459

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E10 - Punto 019	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.92	49.46	0.67	8.64	1438.82	0.56	43.34
1 - 2m	12.85	49.39	0.73	8.67	1071.8	0.62	43.36
2 - 3m	12.83	49.38	0.79	8.7	832.7	0.66	43.37
3 - 4m	12.82	49.38	0.79	8.68	657.59	0.72	43.37
4 - 5m	12.83	49.38	0.79	8.7	528.38	0.79	43.37

OBSERVACIONES GENERALES

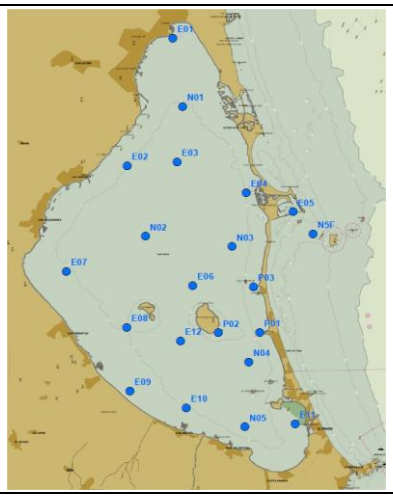
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.721	12.96	49.5	0.46	8.64	3881.8	0.53	43.34
0.769	12.95	49.48	0.0	8.65	1138.0	0.52	43.33
0.812	12.94	49.47	0.69	8.65	950.91	0.57	43.33
0.848	12.93	49.46	0.76	8.64	1584.5	0.53	43.33
0.873	12.92	49.46	0.69	8.64	919.48	0.58	43.34
0.89	12.91	49.46	0.95	8.64	1045.5	0.57	43.35
0.9	12.91	49.46	0.61	8.64	1155.0	0.54	43.36
0.918	12.91	49.46	0.65	8.64	1209.8	0.57	43.35
0.954	12.91	49.45	0.46	8.64	1110.4	0.55	43.35
0.991	12.9	49.44	0.76	8.63	1092.0	0.56	43.35
1.028	12.9	49.44	0.72	8.64	1376.9	0.56	43.35
1.081	12.89	49.43	0.72	8.63	1090.3	0.57	43.35
1.13	12.88	49.42	0.88	8.63	1352.2	0.55	43.35
1.178	12.88	49.42	0.61	8.63	1248.3	0.6	43.35
1.24	12.87	49.4	0.65	8.64	945.63	0.55	43.34
1.294	12.86	49.39	0.76	8.65	1178.6	0.6	43.34
1.322	12.85	49.39	0.65	8.65	1318.8	0.57	43.36
1.348	12.85	49.39	0.76	8.65	1226.5	0.63	43.36
1.385	12.84	49.39	0.72	8.64	976.6	0.63	43.36
1.416	12.84	49.39	0.8	8.64	1058.6	0.65	43.36
1.459	12.84	49.39	0.76	8.64	1026.5	0.64	43.37
1.499	12.84	49.39	0.69	8.65	1242.5	0.63	43.37
1.516	12.84	49.39	0.69	8.65	1163.9	0.64	43.37
1.537	12.84	49.39	0.72	8.66	918.2	0.63	43.37
1.573	12.84	49.39	0.61	8.67	1129.6	0.6	43.37
1.615	12.84	49.39	0.84	8.68	894.47	0.66	43.36
1.654	12.84	49.38	0.76	8.69	888.48	0.65	43.37
1.677	12.83	49.38	0.72	8.7	1395.5	0.65	43.37
1.694	12.83	49.38	0.76	8.7	982.73	0.63	43.37
1.715	12.83	49.38	0.88	8.7	976.82	0.63	43.37
1.739	12.83	49.38	0.57	8.71	943.23	0.65	43.37
1.769	12.83	49.38	0.72	8.71	1004.8	0.61	43.37
1.792	12.83	49.38	0.8	8.71	997.87	0.65	43.37
1.813	12.83	49.38	0.72	8.71	947.17	0.63	43.37
1.837	12.83	49.38	0.76	8.7	1152.9	0.65	43.37
1.857	12.83	49.38	0.61	8.7	914.59	0.67	43.37
1.873	12.83	49.38	0.65	8.7	952.45	0.66	43.37

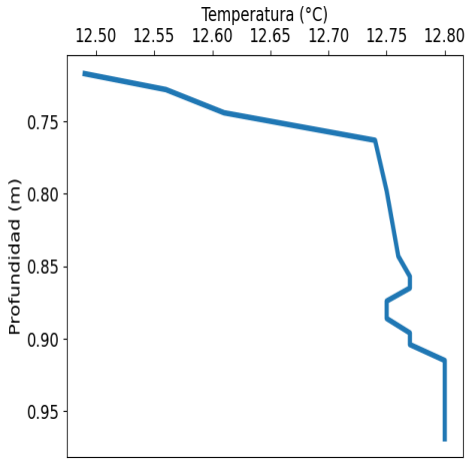
1.908	12.83	49.38	0.76	8.69	831.88	0.65	43.37
1.95	12.83	49.38	0.69	8.69	1118.7	0.64	43.37
1.986	12.83	49.38	0.84	8.7	899.25	0.58	43.37
2.011	12.83	49.38	0.72	8.7	843.72	0.65	43.37
2.022	12.83	49.38	0.76	8.71	856.93	0.66	43.37
2.028	12.83	49.38	0.92	8.72	904.06	0.63	43.37
2.08	12.83	49.38	0.76	8.71	881.91	0.63	43.37
2.101	12.83	49.38	0.76	8.7	951.57	0.65	43.37
2.113	12.83	49.38	0.72	8.7	904.89	0.65	43.37
2.123	12.83	49.38	0.92	8.69	856.13	0.63	43.37
2.137	12.83	49.38	0.65	8.69	943.01	0.62	43.37
2.158	12.83	49.38	0.84	8.69	987.98	0.63	43.37
2.193	12.83	49.38	0.72	8.69	786.14	0.64	43.37
2.233	12.83	49.38	0.8	8.7	962.22	0.66	43.37
2.272	12.83	49.38	0.88	8.71	811.69	0.63	43.37
2.307	12.83	49.38	0.84	8.71	978.41	0.66	43.37
2.335	12.83	49.38	0.88	8.71	751.92	0.64	43.37
2.358	12.83	49.38	0.99	8.7	783.23	0.66	43.37
2.415	12.83	49.38	0.88	8.69	649.31	0.65	43.37
2.441	12.83	49.38	0.76	8.68	722.2	0.66	43.37
2.452	12.83	49.38	0.76	8.68	866.31	0.67	43.37
2.475	12.83	49.38	0.8	8.68	1205.9	0.66	43.37
2.506	12.83	49.38	0.76	8.68	836.71	0.67	43.37
2.537	12.83	49.38	0.69	8.69	740.85	0.66	43.37
2.57	12.83	49.38	0.88	8.69	968.26	0.67	43.37
2.596	12.83	49.38	0.65	8.69	865.91	0.65	43.37
2.617	12.83	49.38	0.84	8.7	748.79	0.7	43.37
2.647	12.83	49.38	0.8	8.69	867.12	0.66	43.37
2.68	12.83	49.38	0.72	8.69	791.44	0.67	43.37
2.702	12.83	49.38	0.8	8.69	834.97	0.69	43.37
2.72	12.83	49.38	0.69	8.69	723.04	0.69	43.37
2.739	12.83	49.38	0.69	8.69	748.44	0.65	43.37
2.767	12.83	49.38	0.88	8.7	812.82	0.68	43.37
2.806	12.83	49.38	0.61	8.69	716.03	0.63	43.37
2.83	12.83	49.38	0.76	8.69	752.97	0.65	43.37
2.844	12.83	49.38	0.8	8.69	729.26	0.66	43.37
2.87	12.83	49.38	0.84	8.7	817.73	0.69	43.37
2.916	12.83	49.38	0.72	8.7	705.49	0.67	43.37
2.969	12.83	49.38	0.8	8.7	669.8	0.67	43.37
3.012	12.83	49.38	0.72	8.7	810.18	0.68	43.37
3.037	12.83	49.38	0.8	8.7	671.2	0.68	43.37
3.058	12.83	49.38	0.72	8.7	659.48	0.7	43.37
3.087	12.83	49.38	0.8	8.69	787.23	0.69	43.37
3.116	12.83	49.38	0.72	8.69	664.08	0.71	43.37
3.139	12.83	49.38	0.92	8.68	737.08	0.71	43.37
3.159	12.83	49.38	0.72	8.68	674.63	0.67	43.37
3.179	12.83	49.37	0.76	8.68	824.58	0.69	43.37
3.203	12.83	49.37	0.72	8.68	608.37	0.71	43.37
3.23	12.82	49.37	0.76	8.69	752.97	0.68	43.37
3.263	12.82	49.37	0.76	8.69	646.61	0.71	43.37
3.296	12.82	49.37	0.69	8.69	694.14	0.69	43.37
3.314	12.82	49.37	0.76	8.69	663.31	0.69	43.37
3.333	12.82	49.37	0.84	8.69	725.05	0.69	43.37
3.361	12.82	49.37	0.84	8.69	580.41	0.68	43.37
3.383	12.82	49.37	0.92	8.68	876.82	0.7	43.37
3.4	12.82	49.37	0.92	8.68	596.09	0.7	43.37
3.427	12.82	49.37	0.88	8.67	740.33	0.69	43.37
3.455	12.82	49.37	0.8	8.67	627.56	0.72	43.37

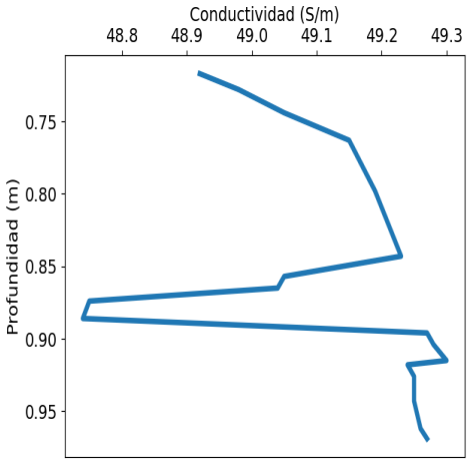
3.477	12.82	49.37	0.84	8.68	630.48	0.7	43.37
3.499	12.82	49.37	0.76	8.67	595.4	0.72	43.37
3.521	12.82	49.38	0.88	8.67	695.42	0.73	43.37
3.549	12.82	49.38	0.76	8.68	662.54	0.72	43.37
3.589	12.82	49.38	0.8	8.68	603.46	0.73	43.37
3.624	12.82	49.38	0.72	8.68	637.24	0.75	43.37
3.646	12.82	49.37	0.84	8.68	583.51	0.72	43.37
3.665	12.82	49.38	0.72	8.68	632.53	0.75	43.37
3.687	12.82	49.37	0.76	8.68	558.89	0.72	43.37
3.705	12.82	49.37	0.8	8.69	702.39	0.72	43.37
3.727	12.82	49.38	0.72	8.69	594.3	0.71	43.37
3.758	12.82	49.38	0.92	8.69	653.69	0.72	43.37
3.789	12.82	49.38	0.76	8.68	667.16	0.76	43.37
3.81	12.82	49.38	0.76	8.65	572.13	0.76	43.37
3.821	12.82	49.38	0.72	8.64	672.91	0.77	43.37
3.831	12.83	49.38	0.92	8.64	548.62	0.78	43.37
3.852	12.83	49.38	0.72	8.64	691.41	0.72	43.37
3.885	12.83	49.38	0.8	8.64	595.4	0.72	43.37
3.913	12.83	49.38	0.76	8.65	573.59	0.72	43.37
3.924	12.83	49.38	0.8	8.66	645.41	0.72	43.37
3.931	12.83	49.38	0.8	8.67	532.71	0.72	43.37
3.955	12.83	49.38	0.8	8.68	628.73	0.76	43.37
3.987	12.83	49.38	0.84	8.69	600.81	0.75	43.37
4.024	12.83	49.38	0.76	8.69	531.11	0.76	43.37
4.06	12.83	49.38	0.69	8.7	585.14	0.8	43.37
4.09	12.82	49.38	0.69	8.7	615.32	0.77	43.37
4.119	12.82	49.38	0.8	8.71	493.49	0.79	43.37
4.154	12.82	49.38	0.95	8.71	615.75	0.79	43.37
4.19	12.82	49.38	0.76	8.71	585.55	0.78	43.37
4.227	12.82	49.38	0.92	8.71	599.69	0.77	43.37
4.268	12.82	49.38	0.76	8.7	513.68	0.76	43.37
4.307	12.82	49.37	0.72	8.7	567.24	0.8	43.37
4.329	12.82	49.37	0.69	8.71	519.9	0.76	43.37
4.338	12.82	49.37	0.69	8.71	584.05	0.79	43.37
4.359	12.82	49.37	0.92	8.71	552.97	0.79	43.37
4.389	12.82	49.37	0.8	8.7	545.2	0.79	43.37
4.421	12.82	49.37	0.72	8.7	509.17	0.79	43.37
4.448	12.82	49.38	0.8	8.7	528.04	0.8	43.37
4.478	12.82	49.38	0.88	8.69	551.81	0.77	43.37
4.498	12.82	49.38	0.8	8.69	526.45	0.81	43.37
4.511	12.83	49.38	0.88	8.68	492.91	0.8	43.37
4.53	12.83	49.38	0.69	8.68	580.14	0.77	43.37
4.549	12.83	49.38	0.8	8.69	494.97	0.8	43.37
4.572	12.83	49.38	0.8	8.69	518.34	0.82	43.37
4.595	12.83	49.38	0.76	8.69	545.2	0.8	43.37
4.613	12.83	49.39	0.8	8.69	513.2	0.82	43.37
4.634	12.83	49.39	0.84	8.7	503.89	0.76	43.37
4.664	12.83	49.39	0.8	8.69	534.81	0.76	43.37
4.7	12.84	49.39	0.84	8.69	504.47	0.81	43.37
4.739	12.84	49.39	0.84	8.69	520.27	0.81	43.37
4.779	12.84	49.39	0.88	8.7	479.73	0.78	43.37
4.812	12.84	49.39	0.8	8.7	471.13	0.78	43.37
4.843	12.84	49.39	0.72	8.71	503.89	0.79	43.37
4.876	12.84	49.4	0.72	8.71	518.46	0.76	43.37
4.897	12.84	49.4	0.8	8.71	487.57	0.78	43.37
4.904	12.84	49.4	0.8	8.72	490.75	0.82	43.37
4.907	12.84	49.4	0.76	8.72	464.52	0.85	43.37
4.909	12.84	49.4	0.76	8.72	505.99	0.82	43.37

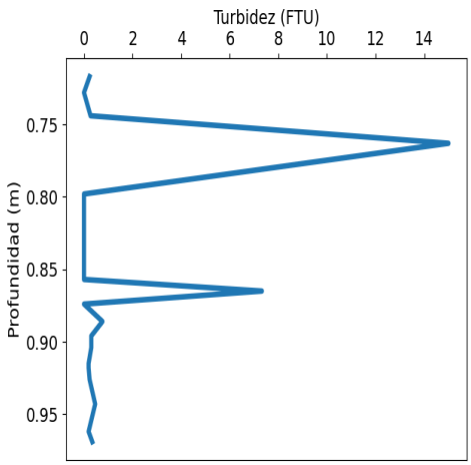
4.91	12.85	49.4	0.72	8.74	504.24	0.83	43.37
4.911	12.85	49.4	0.84	8.75	491.2	0.83	43.37

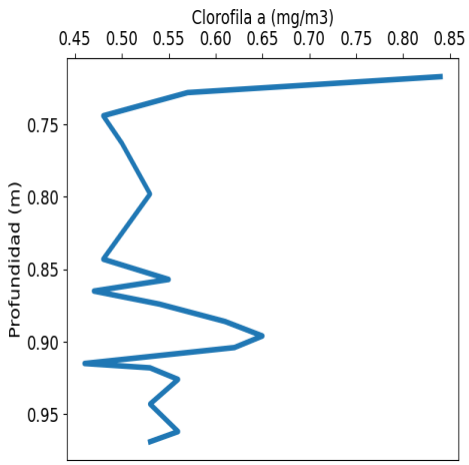
Nombre: CTD E09 - Punto 020 **Fecha: 05/02/2025** **Hora: 12:02:29**

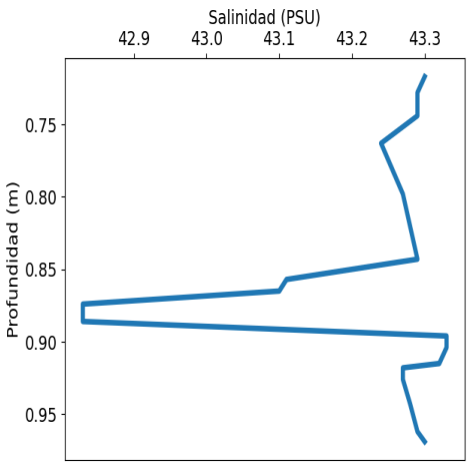


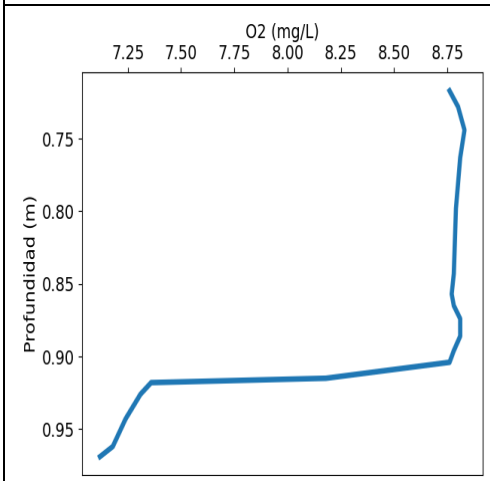


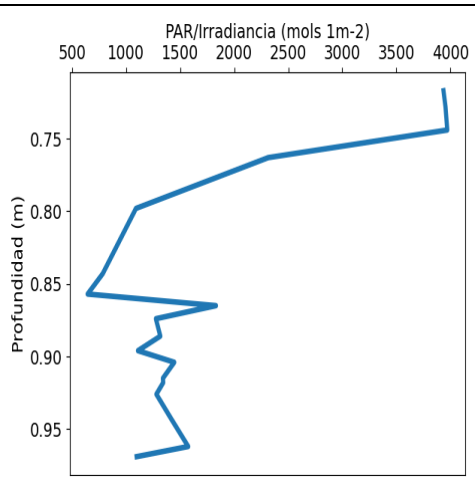












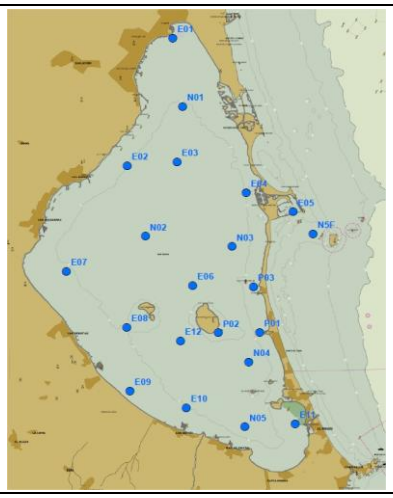
VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.49	48.74	0.0	7.12	644.07	0.46	42.83
PROF (metros)	0.717	0.886	0.728	0.969	0.857	0.915	0.874
MÁXIMO	12.8	12.8	15.0	8.83	3971.0	0.84	43.33
PROF (metros)	0.915	0.915	0.763	0.744	0.744	0.717	0.896

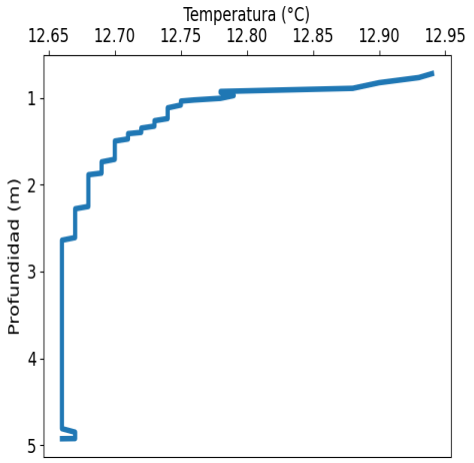
DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E09 - Punto 020	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.75	49.16	3.21	8.15	1844.64	0.56	43.24

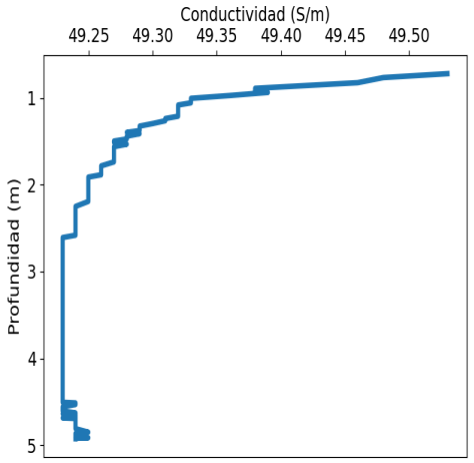
OBSERVACIONES GENERALES

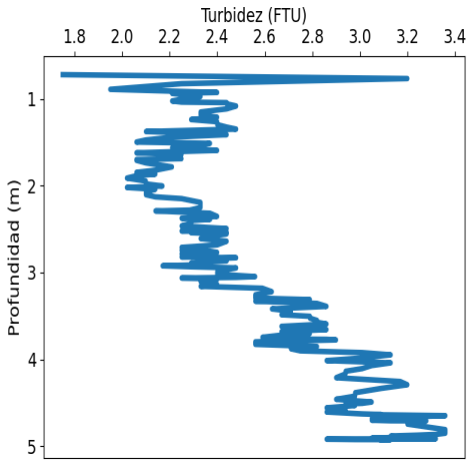
DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.717	12.49	48.92	0.23	8.76	3936.2	0.84	43.3
0.728	12.56	48.98	0.0	8.8	3954.5	0.57	43.29
0.744	12.61	49.05	0.27	8.83	3971.0	0.48	43.29
0.763	12.74	49.15	15.0	8.81	2315.1	0.5	43.24
0.798	12.75	49.19	0.0	8.79	1091.5	0.53	43.27
0.843	12.76	49.23	0.0	8.78	783.59	0.48	43.29
0.857	12.77	49.05	0.0	8.77	644.07	0.55	43.11
0.865	12.77	49.04	7.32	8.78	1831.5	0.47	43.1
0.874	12.75	48.75	0.0	8.81	1275.5	0.54	42.83
0.886	12.75	48.74	0.76	8.81	1316.6	0.61	42.83
0.896	12.77	49.27	0.3	8.78	1109.6	0.65	43.33
0.904	12.77	49.28	0.3	8.76	1445.9	0.62	43.33
0.915	12.8	49.3	0.19	8.18	1340.6	0.46	43.32
0.918	12.8	49.24	0.19	7.36	1343.4	0.53	43.27
0.926	12.8	49.25	0.23	7.31	1280.2	0.56	43.27
0.943	12.8	49.25	0.46	7.24	1417.7	0.53	43.28
0.962	12.8	49.26	0.19	7.18	1574.6	0.56	43.29
0.969	12.8	49.27	0.34	7.12	1097.9	0.53	43.3

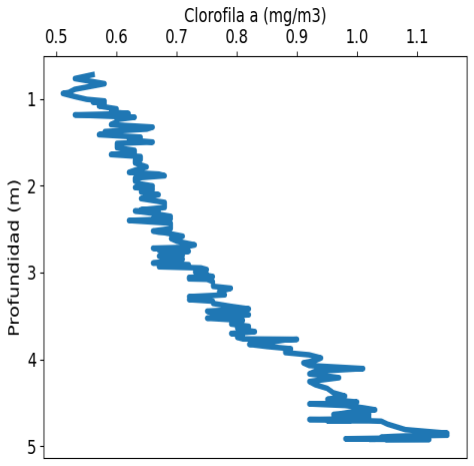
Nombre: CTD E08 - Punto 021 **Fecha: 05/02/2025** **Hora: 12:02:27**

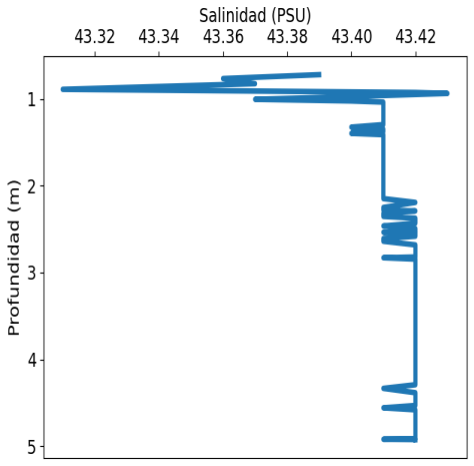


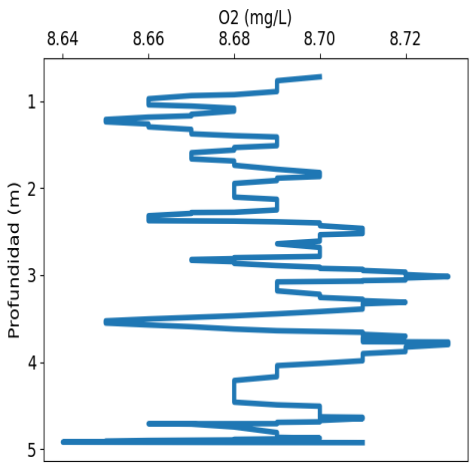


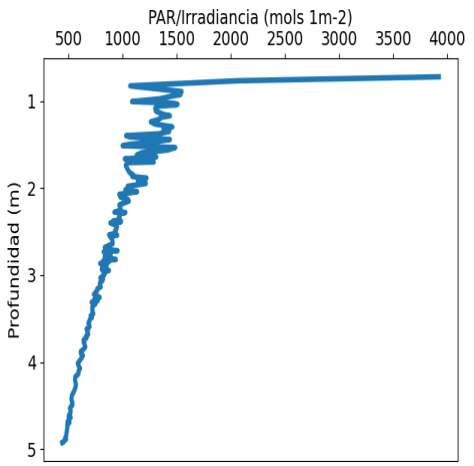


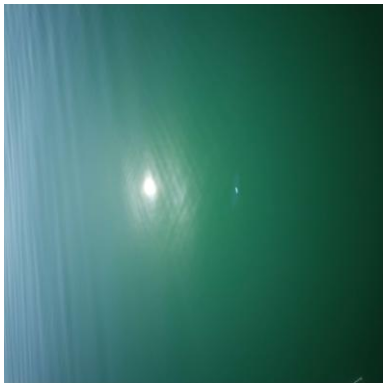












VALORACIÓN PRELIMINAR DE DATOS: NIVELES MÍNIMOS Y MÁXIMOS PARA CADA VARIABLE							
	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/l)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m^3)	Salinidad (PSU)
MÍNIMO	12.66	49.23	1.75	8.64	441.53	0.51	43.31
PROF (metros)	2.64	2.609	0.722	4.919	4.925	0.938	0.891
MÁXIMO	12.94	12.94	3.36	8.73	3922.5	1.15	43.43
PROF (metros)	0.722	0.722	4.648	3.017	0.722	4.85	0.938

DATOS MEDIOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
CTD E08 - Punto 021	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0 - 1m	12.86	49.43	2.3	8.68	1851.5	0.54	43.38
1 - 2m	12.72	49.29	2.25	8.68	1243.48	0.61	43.41
2 - 3m	12.67	49.24	2.31	8.69	915.39	0.68	43.42
3 - 4m	12.66	49.23	2.66	8.7	711.56	0.8	43.42
4 - 5m	12.66	49.24	3.07	8.69	507.49	1.01	43.42

OBSERVACIONES GENERALES

DATOS DETALLADOS PARA CADA VARIABLE EN TODA LA COLUMNA DE AGUA							
Profundidad (m)	Temp. (°C)	Conductividad (S/m)	Turbidez (FTU)	Oxígeno (mg/L)	PAR/Irradiancia (mols-1m-2)	Clorofila (mg/m3)	Salinidad (PSU)
0.722	12.94	49.53	1.75	8.7	3922.5	0.56	43.39
0.767	12.93	49.48	3.2	8.69	2066.5	0.53	43.36
0.826	12.9	49.46	2.25	8.69	1069.5	0.58	43.37
0.891	12.88	49.38	1.95	8.69	1545.0	0.53	43.31
0.927	12.78	49.38	2.4	8.68	1533.2	0.52	43.42
0.938	12.78	49.39	2.21	8.67	1475.0	0.51	43.43
0.974	12.79	49.36	2.33	8.66	1348.8	0.53	43.4
1.006	12.78	49.33	2.25	8.66	1086.2	0.55	43.37
1.025	12.76	49.33	2.21	8.66	1463.7	0.58	43.4
1.038	12.75	49.33	2.25	8.66	1508.2	0.56	43.41
1.044	12.75	49.33	2.44	8.66	1498.4	0.57	43.41
1.058	12.75	49.33	2.44	8.67	1337.2	0.58	43.41
1.083	12.75	49.32	2.48	8.68	1299.7	0.57	43.41
1.116	12.74	49.32	2.44	8.68	1306.6	0.6	43.41
1.152	12.74	49.32	2.33	8.67	1373.7	0.59	43.41
1.17	12.74	49.32	2.33	8.67	1437.2	0.62	43.41
1.185	12.74	49.32	2.33	8.66	1361.6	0.53	43.41
1.212	12.74	49.32	2.4	8.65	1331.4	0.63	43.41
1.239	12.74	49.31	2.29	8.65	1260.2	0.6	43.41
1.264	12.73	49.31	2.4	8.66	1297.5	0.6	43.41
1.297	12.73	49.3	2.4	8.66	1460.0	0.59	43.41
1.326	12.73	49.29	2.44	8.67	1376.9	0.66	43.4
1.349	12.72	49.29	2.48	8.67	1430.2	0.65	43.41
1.377	12.72	49.29	2.1	8.67	1332.9	0.58	43.41
1.398	12.72	49.28	2.33	8.68	1030.8	0.58	43.4
1.413	12.71	49.29	2.44	8.69	1072.0	0.57	43.41
1.442	12.71	49.28	2.21	8.69	1436.9	0.64	43.41
1.474	12.71	49.28	2.1	8.69	1271.6	0.62	43.41
1.498	12.7	49.27	2.06	8.69	1061.1	0.66	43.41
1.513	12.7	49.27	2.37	8.69	999.03	0.6	43.41
1.534	12.7	49.28	2.33	8.68	1486.7	0.6	43.41
1.563	12.7	49.27	2.21	8.68	1414.4	0.6	43.41
1.594	12.7	49.27	2.4	8.67	1175.0	0.63	43.41
1.622	12.7	49.27	2.06	8.67	1129.3	0.63	43.41
1.642	12.7	49.27	2.25	8.67	1310.8	0.59	43.41
1.665	12.7	49.27	2.17	8.67	1019.1	0.64	43.41
1.689	12.7	49.27	2.25	8.68	1137.0	0.64	43.41

1.7	12.7	49.27	2.06	8.68	1288.0	0.64	43.41
1.708	12.7	49.27	2.06	8.68	1045.7	0.63	43.41
1.738	12.69	49.27	2.1	8.68	1028.6	0.63	43.41
1.784	12.69	49.26	2.21	8.69	1045.5	0.65	43.41
1.822	12.69	49.26	2.14	8.7	1063.8	0.63	43.41
1.847	12.69	49.26	2.06	8.7	1096.6	0.62	43.41
1.867	12.69	49.26	2.14	8.7	1089.2	0.67	43.41
1.886	12.68	49.26	2.06	8.69	1220.8	0.68	43.41
1.913	12.68	49.25	2.02	8.69	1139.3	0.63	43.41
1.947	12.68	49.25	2.1	8.68	1214.3	0.63	43.41
1.98	12.68	49.25	2.1	8.68	1045.5	0.64	43.41
2.004	12.68	49.25	2.17	8.68	1049.8	0.66	43.41
2.021	12.68	49.25	2.02	8.68	1024.1	0.63	43.41
2.042	12.68	49.25	2.14	8.68	1133.5	0.66	43.41
2.072	12.68	49.25	2.1	8.68	968.71	0.64	43.41
2.104	12.68	49.25	2.1	8.68	980.0	0.67	43.41
2.129	12.68	49.25	2.14	8.69	1046.7	0.65	43.41
2.149	12.68	49.25	2.25	8.69	1056.9	0.64	43.41
2.193	12.68	49.25	2.33	8.69	969.15	0.68	43.42
2.251	12.68	49.24	2.33	8.69	984.32	0.68	43.41
2.278	12.67	49.24	2.29	8.68	923.54	0.64	43.41
2.281	12.67	49.24	2.29	8.67	1025.3	0.67	43.41
2.291	12.67	49.24	2.14	8.67	965.34	0.63	43.42
2.318	12.67	49.24	2.37	8.66	975.01	0.66	43.41
2.354	12.67	49.24	2.4	8.66	958.65	0.69	43.41
2.375	12.67	49.24	2.25	8.66	951.57	0.67	43.42
2.377	12.67	49.24	2.37	8.67	982.73	0.66	43.42
2.38	12.67	49.24	2.33	8.68	910.15	0.69	43.42
2.388	12.67	49.24	2.37	8.69	983.18	0.67	43.42
2.401	12.67	49.24	2.29	8.7	886.21	0.62	43.42
2.432	12.67	49.24	2.29	8.7	947.61	0.69	43.42
2.464	12.67	49.24	2.25	8.71	944.76	0.69	43.41
2.494	12.67	49.24	2.44	8.71	928.69	0.69	43.42
2.522	12.67	49.24	2.25	8.71	937.34	0.66	43.42
2.536	12.67	49.24	2.44	8.7	875.19	0.67	43.41
2.542	12.67	49.24	2.29	8.7	949.15	0.68	43.42
2.555	12.67	49.24	2.44	8.7	882.32	0.69	43.42
2.582	12.67	49.24	2.37	8.7	902.59	0.71	43.42
2.609	12.67	49.23	2.33	8.7	905.52	0.69	43.41
2.64	12.66	49.23	2.44	8.69	907.41	0.7	43.41
2.682	12.66	49.23	2.4	8.7	834.77	0.73	43.42
2.711	12.66	49.23	2.25	8.7	891.98	0.71	43.42
2.72	12.66	49.23	2.29	8.7	953.56	0.66	43.42
2.725	12.66	49.23	2.33	8.7	869.93	0.67	43.42
2.733	12.66	49.23	2.33	8.7	824.01	0.69	43.42
2.745	12.66	49.23	2.25	8.7	892.19	0.67	43.42
2.755	12.66	49.23	2.37	8.7	859.51	0.72	43.42
2.769	12.66	49.23	2.4	8.7	889.3	0.68	43.42
2.785	12.66	49.23	2.25	8.7	834.19	0.7	43.42
2.793	12.66	49.23	2.33	8.69	842.35	0.68	43.42
2.8	12.66	49.23	2.29	8.68	869.53	0.71	43.42
2.811	12.66	49.23	2.37	8.68	842.35	0.67	43.42
2.821	12.66	49.23	2.25	8.67	936.91	0.68	43.42
2.83	12.66	49.23	2.48	8.67	822.29	0.7	43.41
2.846	12.66	49.23	2.33	8.68	873.77	0.71	43.42
2.866	12.66	49.23	2.44	8.68	791.81	0.69	43.42
2.891	12.66	49.23	2.29	8.69	851.58	0.66	43.42
2.91	12.66	49.23	2.33	8.7	823.44	0.72	43.42

2.923	12.66	49.23	2.17	8.7	807.37	0.72	43.42
2.934	12.66	49.23	2.29	8.71	806.81	0.67	43.42
2.947	12.66	49.23	2.48	8.71	873.57	0.74	43.42
2.966	12.66	49.23	2.44	8.72	821.34	0.75	43.42
2.994	12.66	49.23	2.4	8.72	832.26	0.73	43.42
3.017	12.66	49.23	2.4	8.73	812.06	0.75	43.42
3.033	12.66	49.23	2.48	8.72	793.46	0.75	43.42
3.047	12.66	49.23	2.56	8.72	819.06	0.76	43.42
3.056	12.66	49.23	2.48	8.72	810.94	0.72	43.42
3.063	12.66	49.23	2.25	8.71	808.68	0.74	43.42
3.069	12.66	49.23	2.33	8.71	810.0	0.72	43.42
3.073	12.66	49.23	2.33	8.7	806.25	0.72	43.42
3.078	12.66	49.23	2.4	8.69	794.01	0.75	43.42
3.105	12.66	49.23	2.33	8.69	787.96	0.76	43.42
3.136	12.66	49.23	2.4	8.69	797.15	0.76	43.42
3.159	12.66	49.23	2.33	8.69	763.86	0.76	43.42
3.181	12.66	49.23	2.59	8.69	763.33	0.79	43.42
3.221	12.66	49.23	2.63	8.7	733.84	0.77	43.42
3.257	12.66	49.23	2.56	8.7	787.96	0.78	43.42
3.278	12.66	49.23	2.56	8.71	736.4	0.72	43.42
3.294	12.66	49.23	2.56	8.71	769.73	0.74	43.42
3.312	12.66	49.23	2.79	8.72	713.05	0.72	43.42
3.33	12.66	49.23	2.56	8.71	748.96	0.76	43.42
3.356	12.66	49.23	2.82	8.71	720.86	0.76	43.42
3.39	12.66	49.23	2.86	8.71	719.36	0.79	43.42
3.419	12.66	49.23	2.63	8.7	721.53	0.82	43.42
3.445	12.66	49.23	2.71	8.69	728.42	0.75	43.42
3.468	12.66	49.23	2.71	8.68	703.37	0.76	43.42
3.486	12.66	49.23	2.67	8.67	716.36	0.82	43.42
3.504	12.66	49.23	2.79	8.66	699.63	0.79	43.42
3.526	12.66	49.23	2.79	8.65	692.69	0.75	43.42
3.551	12.66	49.23	2.82	8.65	683.12	0.81	43.42
3.573	12.66	49.23	2.82	8.66	690.77	0.8	43.42
3.593	12.66	49.23	2.86	8.67	693.81	0.79	43.42
3.62	12.66	49.23	2.67	8.68	666.24	0.82	43.42
3.639	12.66	49.23	2.71	8.69	678.08	0.8	43.42
3.657	12.66	49.23	2.86	8.71	673.69	0.81	43.42
3.681	12.66	49.23	2.67	8.71	681.07	0.83	43.42
3.702	12.66	49.23	2.79	8.72	659.63	0.79	43.42
3.721	12.66	49.23	2.67	8.71	666.24	0.81	43.42
3.746	12.66	49.23	2.59	8.71	638.86	0.8	43.42
3.765	12.66	49.23	2.67	8.71	645.26	0.81	43.42
3.769	12.66	49.23	2.86	8.73	638.57	0.9	43.42
3.776	12.66	49.23	2.9	8.73	642.43	0.88	43.42
3.798	12.66	49.23	2.56	8.73	649.31	0.86	43.42
3.827	12.66	49.23	2.56	8.72	654.91	0.82	43.42
3.852	12.66	49.23	2.82	8.72	638.12	0.85	43.42
3.878	12.66	49.23	2.71	8.72	612.48	0.89	43.42
3.902	12.66	49.23	2.75	8.71	614.18	0.88	43.42
3.922	12.66	49.23	3.01	8.71	632.68	0.88	43.42
3.948	12.66	49.23	3.13	8.71	622.64	0.92	43.42
3.984	12.66	49.23	3.01	8.71	602.48	0.94	43.42
4.014	12.66	49.23	2.86	8.7	584.73	0.93	43.42
4.04	12.66	49.23	3.13	8.69	591.68	0.91	43.42
4.071	12.66	49.23	3.05	8.69	605.7	0.92	43.42
4.106	12.66	49.23	3.01	8.69	591.68	1.01	43.42
4.137	12.66	49.23	2.94	8.69	590.31	0.93	43.42
4.167	12.66	49.23	2.94	8.69	562.01	0.92	43.42

4.211	12.66	49.23	2.9	8.68	559.67	0.97	43.42
4.255	12.66	49.23	3.17	8.68	568.3	0.92	43.42
4.292	12.66	49.23	3.2	8.68	563.44	0.93	43.42
4.334	12.66	49.23	3.09	8.68	550.28	0.95	43.41
4.384	12.66	49.23	2.98	8.68	530.86	0.96	43.42
4.423	12.66	49.23	2.98	8.68	525.84	0.98	43.42
4.46	12.66	49.23	2.9	8.68	533.33	0.95	43.42
4.491	12.66	49.23	3.05	8.69	536.43	1.0	43.42
4.506	12.66	49.23	3.01	8.7	526.09	0.99	43.42
4.513	12.66	49.24	2.94	8.7	519.66	0.92	43.42
4.531	12.66	49.24	2.98	8.7	512.49	0.98	43.42
4.558	12.66	49.23	2.86	8.7	519.3	1.01	43.41
4.581	12.66	49.23	2.94	8.7	517.5	1.03	43.42
4.606	12.66	49.23	2.86	8.7	504.94	0.99	43.42
4.628	12.66	49.24	3.01	8.7	500.4	0.97	43.42
4.635	12.66	49.24	3.09	8.71	504.47	0.96	43.42
4.637	12.66	49.23	3.05	8.7	519.9	1.02	43.42
4.648	12.66	49.24	3.36	8.71	509.29	1.0	43.42
4.67	12.66	49.24	3.13	8.7	496.93	1.02	43.42
4.683	12.66	49.24	3.05	8.7	490.86	1.0	43.42
4.686	12.66	49.23	3.05	8.7	500.4	0.99	43.42
4.692	12.66	49.24	3.13	8.69	509.05	0.92	43.42
4.701	12.66	49.24	3.05	8.69	503.65	0.99	43.42
4.707	12.66	49.24	3.13	8.69	492.57	0.95	43.42
4.708	12.66	49.24	3.28	8.66	495.09	1.02	43.42
4.712	12.66	49.24	3.2	8.67	488.82	1.04	43.42
4.745	12.66	49.24	3.2	8.68	488.71	1.05	43.42
4.809	12.66	49.24	3.36	8.69	482.18	1.08	43.42
4.85	12.67	49.25	3.36	8.69	477.4	1.15	43.42
4.864	12.67	49.24	3.32	8.69	471.68	1.1	43.42
4.873	12.67	49.24	3.24	8.7	467.65	1.15	43.42
4.882	12.67	49.24	3.13	8.69	472.23	1.08	43.42
4.887	12.67	49.24	3.13	8.68	477.62	1.06	43.42
4.894	12.67	49.24	3.17	8.68	468.41	1.04	43.42
4.9	12.67	49.24	3.13	8.66	461.83	1.04	43.42
4.907	12.67	49.24	3.05	8.65	456.09	1.05	43.42
4.914	12.67	49.25	3.32	8.65	453.88	0.98	43.42
4.919	12.67	49.24	2.86	8.64	452.51	1.03	43.41
4.92	12.67	49.24	2.9	8.65	449.79	1.02	43.41
4.922	12.67	49.24	2.98	8.66	448.23	1.12	43.42
4.923	12.67	49.24	2.98	8.68	446.05	1.1	43.42
4.924	12.66	49.24	3.13	8.71	445.43	1.09	43.42
4.925	12.66	49.24	3.09	8.71	441.53	1.05	43.42