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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 09-Sep-21

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.903348e-001
h = 1.606943e-001
i = -2.087414e-004
j = 4.201585e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 0.0000e+000

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2484.51	0.00000	0.00000
1.0000	34.6089	2.95992	4958.10	2.95991	-0.00001
4.4999	34.5898	3.26544	5145.65	3.26545	0.00001
15.0000	34.5485	4.24222	5703.32	4.24223	0.00001
18.5000	34.5395	4.58559	5886.57	4.58559	-0.00000
24.0000	34.5290	5.14059	6171.00	5.14058	-0.00001
29.0001	34.5220	5.65953	6425.29	5.65953	0.00001
32.5000	34.5162	6.02955	6600.49	6.02963	0.00008

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

