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SENSOR SERIAL NUMBER: 2329
CALIBRATION DATE: 07-Apr-23

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

COEFFICIENTS:

g = -1.045179e+000
h = 1.583719e-001
i = -1.100788e-004
j = 3.600072e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 7.2011e-006

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	2569.12	0.00000	0.00000
0.9999	34.6648	2.96424	5025.89	2.96423	-0.00000
4.4999	34.6454	3.27018	5213.28	3.27018	0.00001
15.0000	34.6044	4.24836	5770.94	4.24835	-0.00001
18.5000	34.5959	4.59228	5954.35	4.59228	0.00001
24.0000	34.5869	5.14826	6239.15	5.14826	0.00000
29.0000	34.5824	5.66830	6493.94	5.66831	0.00001
32.5000	34.5798	6.03940	6669.60	6.03939	-0.00000

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

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

