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

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

COEFFICIENTS:

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g = -1.008713e+000
h =  1.526986e-001
i = -3.775477e-005
j =  3.088528e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  7.2011e-006
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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	2569.09	0.00000	0.00000
1.0000	34.6347	2.96192	5089.18	2.96190	-0.00002
4.5000	34.6155	3.26764	5280.51	3.26765	0.00001
15.0000	34.5744	4.24507	5849.50	4.24508	0.00001
18.5000	34.5654	4.58866	6036.48	4.58867	0.00001
24.0000	34.5558	5.14414	6326.78	5.14413	-0.00002
29.0000	34.5498	5.66356	6586.34	5.66354	-0.00002
32.5000	34.5435	6.03378	6765.10	6.03380	0.00002

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

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

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