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SENSOR SERIAL NUMBER: 2325
CALIBRATION DATE: 09-Jul-19

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

COEFFICIENTS:

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g = -9.822258e-001
h =  1.388537e-001
i = -1.342522e-004
j =  3.621365e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -5.9812e-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	2660.81	0.00000	0.00000
1.0000	34.7882	2.97379	5331.65	2.97378	-0.00001
4.5000	34.7698	3.28077	5533.71	3.28078	0.00002
15.0000	34.7329	4.26246	6134.33	4.26245	-0.00001
18.5000	34.7261	4.60769	6331.69	4.60769	0.00000
24.0000	34.7194	5.16580	6637.98	5.16581	0.00001
29.0000	34.7165	5.68781	6911.78	5.68781	-0.00000
32.5000	34.7145	6.06024	7100.38	6.06011	-0.00013

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