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SENSOR SERIAL NUMBER: 2355
CALIBRATION DATE: 22-Sep-17

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

COEFFICIENTS:

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g = -1.034676e+000
h =  1.537389e-001
i = -1.859853e-004
j =  4.119818e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  7.7050e-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	2595.75	0.00000	0.00000
1.0000	34.7508	2.97090	5102.30	2.97092	0.00002
4.5000	34.7308	3.27745	5293.07	3.27743	-0.00002
15.0000	34.6879	4.25753	5860.72	4.25753	-0.00000
18.5000	34.6789	4.60210	6047.34	4.60210	-0.00000
24.0000	34.6689	5.15912	6337.09	5.15914	0.00002
29.0000	34.6635	5.68010	6596.21	5.68009	-0.00001
32.5000	34.6606	6.05190	6774.82	6.05176	-0.00014

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