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SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 22-Jun-18

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

COEFFICIENTS:

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g = -9.909901e-001
h =  1.547109e-001
i = -1.899032e-004
j =  4.369734e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.2476e-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	2532.28	0.00000	0.00000
1.0000	34.8167	2.97600	5061.13	2.97602	0.00002
4.5000	34.7972	3.28310	5252.45	3.28308	-0.00002
15.0000	34.7547	4.26486	5821.19	4.26483	-0.00002
18.5000	34.7456	4.61000	6008.05	4.60999	-0.00001
24.0000	34.7358	5.16797	6298.08	5.16802	0.00005
28.9999	34.7312	5.68994	6557.35	5.68992	-0.00002
32.5001	34.7280	6.06234	6736.05	6.06234	-0.00000

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