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SENSOR SERIAL NUMBER: 3979
CALIBRATION DATE: 07-May-19

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

COEFFICIENTS:

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g = -1.018477e+000
h =  1.476991e-001
i = -7.932758e-005
j =  3.134262e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.2326e-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	2626.15	0.00000	0.00000
1.0000	34.8197	2.97623	5193.02	2.97623	0.00000
4.5000	34.8000	3.28334	5388.15	3.28334	-0.00000
14.9999	34.7585	4.26526	5968.66	4.26526	-0.00000
18.5000	34.7497	4.61049	6159.51	4.61049	-0.00000
24.0000	34.7403	5.16857	6455.82	5.16858	0.00001
29.0000	34.7352	5.69053	6720.82	5.69053	-0.00000
32.5000	34.7316	6.06289	6903.52	6.06295	0.00006

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