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SENSOR SERIAL NUMBER: 1810
CALIBRATION DATE: 10-Jul-19

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

COEFFICIENTS:

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g = -9.830712e-001
h =  1.365658e-001
i = -1.359652e-004
j =  3.309144e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.0426e-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	2684.16	0.00000	0.00000
0.9999	34.8574	2.97913	5381.93	2.97915	0.00002
4.4999	34.8377	3.28653	5585.83	3.28652	-0.00002
15.0000	34.7939	4.26916	6191.87	4.26915	-0.00001
18.5000	34.7841	4.61456	6390.92	4.61456	-0.00000
23.9999	34.7730	5.17289	6699.83	5.17290	0.00001
29.0000	34.7659	5.69499	6975.94	5.69500	0.00001
32.5000	34.7601	6.06730	7166.10	6.06729	-0.00001

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