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SENSOR SERIAL NUMBER: 1806
CALIBRATION DATE: 28-May-21

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

COEFFICIENTS:

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g = -9.959473e-001
h =  1.356956e-001
i = -1.992610e-004
j =  3.761983e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.9667e-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	2711.74	0.00000	0.00000
0.9999	34.6384	2.96219	5400.45	2.96221	0.00001
4.5000	34.6183	3.26788	5604.19	3.26787	-0.00001
14.9999	34.5765	4.24529	6210.05	4.24529	0.00001
18.4999	34.5682	4.58898	6409.14	4.58897	-0.00001
24.0000	34.5593	5.14461	6718.17	5.14461	0.00001
29.0001	34.5544	5.66424	6994.42	5.66425	0.00001
32.5000	34.5513	6.03498	7184.78	6.03497	-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