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SENSOR SERIAL NUMBER: 1807
CALIBRATION DATE: 10-May-24

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

COEFFICIENTS:

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g = -9.915574e-001
h =  1.366068e-001
i = -1.655765e-004
j =  3.529737e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2056e-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	2695.99	0.00000	0.00000
1.0000	34.6650	2.96426	5378.68	2.96428	0.00002
4.4999	34.6460	3.27023	5581.89	3.27021	-0.00001
14.9999	34.6060	4.24853	6186.12	4.24850	-0.00002
18.5000	34.5978	4.59250	6384.68	4.59251	0.00001
23.9999	34.5896	5.14861	6692.86	5.14862	0.00001
29.0000	34.5860	5.66883	6968.43	5.66883	0.00001
32.5001	34.5838	6.04003	7158.34	6.04002	-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