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SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 27-Dec-24

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

COEFFICIENTS:

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g = -9.807241e-001
h =  1.394638e-001
i = -2.105732e-004
j =  4.072313e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.1929e-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	2654.37	0.00000	0.00000
1.0000	34.6654	2.96429	5317.97	2.96431	0.00002
4.5000	34.6447	3.27013	5519.32	3.27011	-0.00001
15.0000	34.5990	4.24777	6117.78	4.24774	-0.00003
18.5000	34.5887	4.59142	6314.36	4.59143	0.00000
24.0000	34.5765	5.14688	6619.37	5.14691	0.00003
29.0000	34.5688	5.66633	6891.97	5.66634	0.00001
32.5000	34.5620	6.03664	7079.65	6.03662	-0.00002

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