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SENSOR SERIAL NUMBER: 1869
CALIBRATION DATE: 04-May-21

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

COEFFICIENTS:

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g = -1.052104e+000
h =  1.515283e-001
i = -1.761458e-004
j =  4.198568e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.1842e-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	2636.36	0.00000	0.00000
1.0000	34.6409	2.96240	5143.71	2.96243	0.00003
4.4999	34.6222	3.26820	5335.07	3.26817	-0.00004
15.0000	34.5815	4.24585	5904.62	4.24585	-0.00000
18.5000	34.5739	4.58967	6091.95	4.58967	-0.00000
24.0000	34.5664	5.14555	6382.87	5.14557	0.00002
29.0000	34.5638	5.66560	6643.11	5.66559	-0.00001
32.5001	34.5637	6.03691	6822.46	6.03653	-0.00039

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