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SENSOR SERIAL NUMBER: 1858
CALIBRATION DATE: 05-May-21

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

COEFFICIENTS:

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g = -1.037232e+000
h =  1.456644e-001
i = -2.385371e-004
j =  4.687750e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.6484e-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	2671.10	0.00000	0.00000
1.0000	34.6387	2.96223	5239.25	2.96224	0.00001
4.5000	34.6189	3.26793	5434.80	3.26792	-0.00001
15.0000	34.5786	4.24553	6016.67	4.24550	-0.00003
18.4999	34.5706	4.58927	6207.98	4.58930	0.00003
24.0000	34.5632	5.14512	6504.99	5.14512	-0.00000
28.9999	34.5599	5.66502	6770.60	5.66502	-0.00000
32.5001	34.5600	6.03634	6953.67	6.03600	-0.00035

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