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SENSOR SERIAL NUMBER: 3765
CALIBRATION DATE: 30-May-21

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

COEFFICIENTS:

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g = -1.025883e+000
h =  1.409426e-001
i = -1.170217e-004
j =  3.032192e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.7050e-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	2699.08	0.00000	0.00000
1.0000	34.6169	2.96054	5313.89	2.96055	0.00001
4.4999	34.5978	3.26612	5513.08	3.26611	-0.00001
14.9999	34.5568	4.24312	6105.76	4.24311	-0.00001
18.5000	34.5483	4.58664	6300.67	4.58664	0.00000
24.0000	34.5390	5.14192	6603.28	5.14193	0.00002
29.0000	34.5342	5.66129	6873.95	5.66128	-0.00001
32.5000	34.5318	6.03196	7060.63	6.03196	-0.00000

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