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SENSOR SERIAL NUMBER: 1865
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 = -9.774832e-001
h =  1.349363e-001
i = -1.794980e-004
j =  3.881367e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.0729e-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	2693.43	0.00000	0.00000
1.0000	34.6409	2.96240	5400.31	2.96245	0.00005
4.4999	34.6222	3.26820	5604.84	3.26813	-0.00007
15.0000	34.5815	4.24585	6212.92	4.24585	0.00001
18.5000	34.5739	4.58967	6412.68	4.58967	-0.00000
24.0000	34.5664	5.14555	6722.70	5.14557	0.00002
29.0000	34.5638	5.66560	6999.84	5.66558	-0.00002
32.5001	34.5637	6.03691	7190.73	6.03647	-0.00044

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