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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 26-May-21

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

COEFFICIENTS:

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g = -9.628668e-001
h =  1.363015e-001
i = -9.738192e-005
j =  3.011768e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -4.4193e-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	2658.44	0.00000	0.00000
0.9999	34.6711	2.96473	5361.28	2.96474	0.00002
4.5000	34.6515	3.27070	5565.27	3.27068	-0.00003
15.0000	34.6097	4.24894	6171.61	4.24895	0.00000
18.4999	34.6009	4.59286	6370.78	4.59287	0.00002
24.0000	34.5913	5.14884	6679.85	5.14884	-0.00001
29.0000	34.5851	5.66870	6956.07	5.66869	-0.00001
32.5000	34.5793	6.03932	7146.28	6.03933	0.00001

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