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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 21-May-21

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

COEFFICIENTS:

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g = -1.036612e+000
h =  1.532940e-001
i = -2.167941e-005
j =  2.954004e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2827e-005
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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	2598.85	0.00000	0.00000
1.0000	34.6337	2.96184	5096.26	2.96182	-0.00002
4.5000	34.6143	3.26754	5286.49	3.26756	0.00002
15.0000	34.5730	4.24491	5852.39	4.24491	-0.00001
18.5000	34.5644	4.58854	6038.48	4.58855	0.00001
24.0000	34.5551	5.14405	6327.40	5.14405	-0.00000
29.0000	34.5495	5.66352	6585.79	5.66350	-0.00002
32.5000	34.5450	6.03401	6763.86	6.03402	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