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SENSOR SERIAL NUMBER: 3722
CALIBRATION DATE: 10-Oct-19

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

COEFFICIENTS:

g = -1.042399e+000
h = 1.261855e-001
i = -2.455226e-004
j = 3.445266e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 8.4820e-006

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	2878.71	0.00000	0.00000
1.0000	34.8550	2.97896	5651.64	2.97894	-0.00001
4.5000	34.8329	3.28614	5862.73	3.28615	0.00001
15.0000	34.7875	4.26845	6490.88	4.26847	0.00001
18.5000	34.7775	4.61378	6697.35	4.61377	-0.00001
24.0000	34.7669	5.17209	7017.98	5.17208	-0.00001
29.0000	34.7591	5.69400	7304.59	5.69401	0.00001
32.5000	34.7499	6.06572	7501.60	6.06536	-0.00036

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

