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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 30-Jan-18

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.849340e-001
h = 1.351274e-001
i = -5.121041e-005
j = 2.147649e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 9.2605e-008

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	2699.62	0.00000	0.00000
1.0000	34.7779	2.97300	5405.05	2.97299	-0.00001
4.4999	34.7582	3.27977	5609.86	3.27978	0.00001
14.9999	34.7165	4.26065	6218.89	4.26067	0.00001
18.4999	34.7078	4.60552	6419.04	4.60551	-0.00000
24.0000	34.6979	5.16296	6729.73	5.16294	-0.00002
29.0000	34.6914	5.68416	7007.51	5.68417	0.00001
32.5001	34.6869	6.05598	7199.01	6.05610	0.00012

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

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

