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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 12-Sep-21

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

COEFFICIENTS:

g = -9.846029e-001
h = 1.350493e-001
i = -3.607360e-005
j = 2.123705e-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	2699.55	0.00000	0.00000
1.0000	34.7295	2.96925	5402.36	2.96927	0.00002
4.5001	34.7106	3.27574	5607.00	3.27572	-0.00002
15.0000	34.6697	4.25553	6215.50	4.25552	-0.00001
18.5000	34.6608	4.59996	6415.46	4.59996	-0.00000
24.0000	34.6504	5.15667	6725.83	5.15669	0.00002
29.0000	34.6431	5.67713	7003.25	5.67714	0.00000
32.5000	34.6367	6.04820	7194.34	6.04819	-0.00001

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

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

