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SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 03-Dec-20

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

COEFFICIENTS:

g = -9.740950e-001
h = 1.501026e-001
i = -2.321854e-004
j = 4.082292e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 3.9209e-007

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	2550.22	0.00000	0.00000
0.9999	34.6254	2.96119	5122.31	2.96120	0.00001
4.4999	34.6058	3.26681	5316.84	3.26681	0.00000
14.9999	34.5644	4.24396	5895.14	4.24393	-0.00003
18.5000	34.5555	4.58749	6085.15	4.58748	-0.00001
24.0000	34.5460	5.14284	6380.08	5.14289	0.00005
29.0000	34.5418	5.66240	6643.77	5.66237	-0.00002
32.5001	34.5382	6.03297	6825.48	6.03298	0.00002

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

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

