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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 15-Oct-19

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

COEFFICIENTS:

g = -9.856568e-001
h = 1.353325e-001
i = -9.612585e-005
j = 2.447207e-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	34.6681	2.96450	5398.78	2.96451	0.00001
4.5000	34.6488	3.27047	5603.25	3.27046	-0.00001
15.0000	34.6063	4.24857	6211.22	4.24856	-0.00001
18.5000	34.5969	4.59239	6411.01	4.59240	0.00000
23.9999	34.5863	5.14817	6721.14	5.14818	0.00001
29.0000	34.5785	5.66774	6998.34	5.66773	-0.00001
32.5000	34.5677	6.03752	7189.18	6.03795	0.00043

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

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

