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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 28-Sep-18

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

COEFFICIENTS:

g = -9.970474e-001
h = 1.361222e-001
i = -2.089902e-004
j = 3.683642e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -6.3041e-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	2709.54	0.00000	0.00000
1.0000	34.7411	2.97015	5399.67	2.97016	0.00001
4.5000	34.7213	3.27664	5603.61	3.27663	-0.00001
15.0000	34.6789	4.25654	6210.07	4.25653	-0.00001
18.5000	34.6698	4.60103	6409.35	4.60103	-0.00000
24.0000	34.6597	5.15790	6718.67	5.15792	0.00002
29.0001	34.6532	5.67861	6995.15	5.67860	-0.00001
32.5000	34.6484	6.05001	7185.36	6.04942	-0.00059

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

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

