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SENSOR SERIAL NUMBER: 3508
 CALIBRATION DATE: 16-Jan-19

SBE 4 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.73149044e+000
 h = 1.45607897e+000
 i = 2.62425320e-002
 j = -2.40983596e-003

CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.54098	0.00000	0.00000
-1.0000	34.6408	2.79175	4.96534	2.79154	-0.00021
1.0000	34.6414	2.96244	5.07669	2.96285	0.00042
15.0000	34.6382	4.25207	5.84968	4.25229	0.00022
18.5000	34.6361	4.59704	6.03991	4.59594	-0.00110
29.0000	34.6268	5.67476	6.60520	5.67655	0.00178
32.5000	34.6117	6.04433	6.78736	6.04323	-0.00110

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

