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SENSOR SERIAL NUMBER: 4346
CALIBRATION DATE: 11-May-17

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

COEFFICIENTS:

g = -9.89311441e+000
h = 1.29443481e+000
i = -2.43261869e-003
j = 2.27461484e-004

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	2.76991	0.00000	0.00000
-1.0000	34.6347	2.79131	5.41794	2.79130	-0.00001
1.0000	34.6355	2.96198	5.53889	2.96199	0.00001
15.0000	34.6352	4.25174	6.37868	4.25175	0.00001
18.5000	34.6339	4.59678	6.58506	4.59677	-0.00000
29.0000	34.6256	5.67459	7.19126	5.67459	-0.00000
32.5000	34.6103	6.04412	7.38750	6.04412	0.00000

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

