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SENSOR SERIAL NUMBER: 1347
CALIBRATION DATE: 31-Jan-18

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

COEFFICIENTS:

g = -3.93443858e+000
h = 5.17592062e-001
i = -1.42393558e-004
j = 3.84181430e-005

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	2.75733	0.00000	0.00000
-0.9999	34.1965	2.75926	7.79532	2.75926	0.00000
1.0000	34.1962	2.92796	8.00046	2.92797	0.00001
15.0001	34.1947	4.20335	9.40545	4.20331	-0.00004
18.5000	34.1930	4.54451	9.74642	4.54451	0.00000
29.0001	34.1833	5.61019	10.74041	5.61026	0.00007
32.5000	34.1653	5.97516	11.05965	5.97511	-0.00005

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

