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SENSOR SERIAL NUMBER: 2973
CALIBRATION DATE: 12-May-17

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

COEFFICIENTS:

g = -9.95899463e+000
h = 1.34554890e+000
i = 2.65658302e-004
j = 5.58159967e-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	2.71941	0.00000	0.00000
-1.0000	34.5697	2.78656	5.29611	2.78655	-0.00001
1.0000	34.5701	2.95692	5.41389	2.95693	0.00001
15.0000	34.5701	4.24459	6.23202	4.24459	-0.00001
18.5000	34.5686	4.58904	6.43313	4.58903	-0.00001
29.0001	34.5582	5.66479	7.02399	5.66482	0.00002
32.5001	34.5401	6.03326	7.21513	6.03325	-0.00001

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

