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SENSOR SERIAL NUMBER: 2272
CALIBRATION DATE: 08-Dec-17

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

COEFFICIENTS:

g = -1.02572105e+001
h = 1.37961328e+000
i = -2.22323866e-003
j = 2.26563349e-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	2.73103	0.00000	0.00000
-1.0001	34.5380	2.78423	5.26545	2.78422	-0.00001
0.9999	34.5381	2.95443	5.38176	2.95444	0.00001
14.9999	34.5368	4.24093	6.19010	4.24092	-0.00001
18.4999	34.5346	4.58500	6.38886	4.58502	0.00001
28.9999	34.5251	5.65996	6.97297	5.65994	-0.00002
32.5000	34.5082	6.02831	7.16206	6.02832	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

