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SENSOR SERIAL NUMBER: 4367
CALIBRATION DATE: 28-Dec-18

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

COEFFICIENTS:

g = -9.80928456e+000
h = 1.39159346e+000
i = -7.57450115e-004
j = 1.22554287e-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	2.65608	0.00000	0.00000
-1.0000	34.6014	2.78887	5.20594	2.78886	-0.00001
1.0000	34.6016	2.95936	5.32226	2.95936	0.00000
15.0000	34.6011	4.24800	6.13007	4.24802	0.00002
18.5000	34.5997	4.59273	6.32858	4.59271	-0.00001
29.0000	34.5911	5.66957	6.91180	5.66955	-0.00002
32.5000	34.5749	6.03864	7.10058	6.03865	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

