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SENSOR SERIAL NUMBER: 4367
CALIBRATION DATE: 06-Feb-20

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

COEFFICIENTS:

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g =  -9.81675063e+000
h =   1.39402433e+000
i =  -1.38908980e-003
j =   1.71074236e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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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	2.65605	0.00000	0.00000
-1.0000	34.5733	2.78682	5.20419	2.78682	-0.00000
0.9999	34.5736	2.95718	5.32044	2.95719	0.00001
14.9999	34.5733	4.24494	6.12785	4.24492	-0.00001
18.4999	34.5704	4.58924	6.32619	4.58926	0.00001
28.9999	34.5605	5.66511	6.90893	5.66511	-0.00000
32.4999	34.5405	6.03330	7.09733	6.03342	0.00012

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity