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SENSOR SERIAL NUMBER: 3338  
CALIBRATION DATE: 22-Jun-07

SBE4 CONDUCTIVITY CALIBRATION DATA  
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS  
g = -9.97145386e+000  
h = 1.54092348e+000  
i = -1.73104395e-003  
j = 2.24116667e-004  
CPcor = -9.5700e-008 (nominal)  
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS  
a = 3.15054428e-006  
b = 1.53668429e+000  
c = -9.96359213e+000  
d = -8.38879858e-005  
m = 5.5  
CPcor = -9.5700e-008 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.54628	0.00000	0.00000
-1.4998	34.9219	2.76994	4.94930	2.76990	-0.00004
1.0002	34.9209	2.98407	5.08796	2.98411	0.00004
15.0002	34.9215	4.28317	5.85860	4.28317	0.00000
18.5002	34.9208	4.63075	6.04803	4.63076	0.00001
29.0002	34.9189	5.71725	6.60484	5.71721	-0.00004
32.5002	34.9130	6.09096	6.78573	6.09099	0.00003

Conductivity = (g + hf<sup>2</sup> + if<sup>3</sup> + jf<sup>4</sup>) / 10(1 + δt + εp) Siemens/meter  
Conductivity = (af<sup>m</sup> + bf<sup>2</sup> + c + dt) / [10 (1 + εp) Siemens/meter  
t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ε = CPcor;  
Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients

