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SENSOR SERIAL NUMBER: 3364  
 CALIBRATION DATE: 07-Feb-18

SBE 21 CONDUCTIVITY CALIBRATION DATA  
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -4.04939826e+000  
 h = 4.77040254e-001  
 i = -1.44621085e-004  
 j = 3.23903229e-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)
22.0000	0.0000	0.00000	2.91396	0.00000	0.00000
1.0000	34.6766	2.96516	8.39577	2.96519	0.00004
4.5000	34.6575	3.27121	8.76729	3.27119	-0.00003
15.0000	34.6158	4.24961	9.86023	4.24959	-0.00003
18.4999	34.6069	4.59357	10.21618	4.59353	-0.00003
24.0000	34.5965	5.14953	10.76624	5.14960	0.00007
29.0000	34.5898	5.66938	11.25556	5.66939	0.00001
32.5000	34.5850	6.04020	11.59163	6.04017	-0.00003

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars);  $\delta$  = CTcor;  $\epsilon$  = CPcor;

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

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

