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SENSOR SERIAL NUMBER: 3392  
 CALIBRATION DATE: 04-Feb-24

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

COEFFICIENTS:

g = -3.99439443e+000  
 h = 4.71390706e-001  
 i = -2.73218948e-004  
 j = 3.55081103e-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	2.91248	0.00000	0.00000
1.0000	34.6597	2.96385	8.44479	2.96386	0.00000
4.5000	34.6398	3.26971	8.81927	3.26971	-0.00000
15.0000	34.5969	4.24754	9.92074	4.24755	0.00001
18.5000	34.5876	4.59129	10.27940	4.59126	-0.00004
24.0000	34.5772	5.14698	10.83369	5.14699	0.00002
29.0000	34.5711	5.66666	11.32692	5.66668	0.00002
32.5000	34.5664	6.03732	11.66562	6.03731	-0.00001

f = Instrument Output (kHz)

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

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

$$\text{Residual (Siemens/meter)} = \text{instrument conductivity} - \text{bath conductivity}$$

