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SENSOR SERIAL NUMBER: 4579
 CALIBRATION DATE: 10-Jul-17

SBE 41cp CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.003046e+000 CPcor = -9.5700e-008
 h = 1.540680e-001 CTcor = 3.2500e-006
 i = -3.651256e-004 WBOTC = -4.5631e-007
 j = 5.088527e-005

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2556.55	0.00000	0.00000
1.0001	34.8006	2.97476	5090.13	2.97476	0.00000
4.5001	34.7819	3.28181	5282.42	3.28180	-0.00000
15.0001	34.7414	4.26341	5854.22	4.26342	0.00002
18.5001	34.7336	4.60859	6042.16	4.60858	-0.00001
23.9941	34.7253	5.16597	6333.60	5.16597	-0.00001
29.0001	34.7209	5.68846	6594.79	5.68847	0.00001
32.5001	34.7185	6.06087	6774.61	6.06087	-0.00000

$$f = \text{Instrument Output(Hz)} * \text{sqrt}(1.0 + \text{WBOTC} * t) / 1000.0$$

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

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

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

