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SENSOR SERIAL NUMBER: 0455
 CALIBRATION DATE: 28-May-17

SBE 45 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.977416e-001 CPcor = -9.5700e-008
 h = 1.301522e-001 CTcor = 3.2500e-006
 i = -5.063793e-004 WBOTC = 8.9947e-008
 j = 5.454312e-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	2779.29	0.00000	0.00000
1.0000	34.6373	2.96212	5540.03	2.96216	0.00004
4.5000	34.6173	3.26779	5749.36	3.26777	-0.00003
15.0000	34.5751	4.24514	6371.78	4.24509	-0.00006
18.5000	34.5662	4.58876	6576.29	4.58875	-0.00000
24.0000	34.5569	5.14429	6893.69	5.14438	0.00010
29.0000	34.5522	5.66391	7177.30	5.66386	-0.00005
32.5000	34.5497	6.03474	7372.01	6.03319	-0.00155

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

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

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

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

