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SENSOR SERIAL NUMBER: 0455
 CALIBRATION DATE: 16-Jul-23

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

COEFFICIENTS:

g = -1.020817e+000 CPcor = -9.5700e-008
 h = 1.332168e-001 CTcor = 3.2500e-006
 i = -5.469129e-004 WBOTC = 8.9947e-008
 j = 5.817209e-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	2779.37	0.00000	0.00000
1.0000	34.4891	2.95065	5485.85	2.95066	0.00002
4.5000	34.4707	3.25531	5691.93	3.25530	-0.00001
15.0000	34.4309	4.22930	6304.81	4.22928	-0.00002
18.5000	34.4227	4.57175	6506.24	4.57175	-0.00001
24.0000	34.4139	5.12534	6818.89	5.12537	0.00003
29.0000	34.4085	5.64299	7098.31	5.64300	0.00001
32.5000	34.4038	6.01214	7290.75	6.01212	-0.00002

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

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

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

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

