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SENSOR SERIAL NUMBER: 5398
 CALIBRATION DATE: 08-Jan-18

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

COEFFICIENTS:

g = -9.881335e-001 CPcor = -9.5700e-008
 h = 1.463743e-001 CTcor = 3.2500e-006
 i = -3.101631e-004 WBOTC = -3.2015e-007
 j = 4.524650e-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	2602.68	0.00000	0.00000
1.0000	34.7526	2.97104	5207.72	2.97104	0.00000
4.5000	34.7332	3.27766	5405.01	3.27765	-0.00000
15.0000	34.6914	4.25791	5991.57	4.25790	-0.00001
18.5000	34.6824	4.60252	6184.28	4.60251	-0.00000
23.9940	34.6726	5.15899	6483.09	5.15900	0.00001
29.0000	34.6670	5.68061	6750.82	5.68062	0.00001
32.5000	34.6628	6.05224	6935.06	6.05223	-0.00001

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

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

