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SENSOR SERIAL NUMBER: 3333
 CALIBRATION DATE: 18-Feb-21

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

COEFFICIENTS:

g = -4.05772725e+000
 h = 4.80308928e-001
 i = -6.80854999e-004
 j = 5.72329084e-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	2.91111	0.00000	0.00000
1.0000	34.8731	2.98036	8.41114	2.98040	0.00005
4.5000	34.8529	3.28784	8.78364	3.28780	-0.00004
15.0000	34.8095	4.27087	9.87938	4.27081	-0.00006
18.4999	34.7999	4.61642	10.23621	4.61643	0.00001
24.0000	34.7885	5.17495	10.78728	5.17499	0.00004
29.0000	34.7809	5.69717	11.27744	5.69721	0.00004
32.5000	34.7741	6.06946	11.61375	6.06942	-0.00004

f = Instrument Output (kHz)

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

