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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 04-Jun-23

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.082200e+000
h =  1.683678e-001
i = -1.610638e-004
j =  4.390003e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.0910e-005
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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	2535.92	0.00000	0.00000
1.0000	34.6343	2.96189	4897.10	2.96189	0.00000
4.5000	34.6150	3.26760	5077.99	3.26760	0.00000
15.0000	34.5740	4.24502	5616.61	4.24501	-0.00001
18.5000	34.5652	4.58864	5793.81	4.58864	0.00000
24.0000	34.5559	5.14415	6069.06	5.14416	0.00001
29.0000	34.5504	5.66365	6315.28	5.66366	0.00001
32.5000	34.5453	6.03405	6484.94	6.03405	-0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

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