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SENSOR SERIAL NUMBER: 1856
CALIBRATION DATE: 27-Feb-18

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

COEFFICIENTS:

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g = -1.025793e+000
h =  1.454912e-001
i = -3.972002e-006
j =  2.553721e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.0924e-006
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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	2653.57	0.00000	0.00000
1.0000	34.6922	2.96637	5226.10	2.96638	0.00001
4.5000	34.6726	3.27250	5421.76	3.27249	-0.00001
15.0000	34.6300	4.25117	6003.81	4.25115	-0.00002
18.5000	34.6206	4.59520	6195.17	4.59521	0.00001
24.0000	34.6101	5.15133	6492.25	5.15135	0.00002
29.0000	34.6036	5.67139	6757.90	5.67138	-0.00001
32.5000	34.5988	6.04234	6940.90	6.04213	-0.00021

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