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SENSOR SERIAL NUMBER: 1855
CALIBRATION DATE: 19-Jul-19

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

COEFFICIENTS:

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g = -9.407582e-001
h =  1.345434e-001
i = -8.627272e-005
j =  2.888594e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.7355e-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	2644.37	0.00000	0.00000
1.0000	34.7201	2.96852	5382.92	2.96855	0.00003
4.5000	34.7008	3.27490	5588.82	3.27488	-0.00002
15.0000	34.6593	4.25439	6200.52	4.25434	-0.00005
18.5000	34.6502	4.59871	6401.39	4.59872	0.00002
23.9999	34.6400	5.15528	6712.97	5.15531	0.00003
29.0000	34.6338	5.67578	6991.40	5.67580	0.00001
32.5000	34.6287	6.04697	7183.14	6.04694	-0.00002

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