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SENSOR SERIAL NUMBER: 0286
CALIBRATION DATE: 24-Mar-19

Glider Payload CTD CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.000803e+000
h =  1.361566e-001
i = -1.970235e-004
j =  3.124821e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.1490e-007
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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	2714.19	0.00000	0.00000
1.0000	34.8694	2.98007	5410.18	2.98007	-0.00000
4.5000	34.8494	3.28754	5614.63	3.28754	0.00000
15.0000	34.8065	4.27054	6222.65	4.27055	0.00001
18.5000	34.7975	4.61614	6422.49	4.61615	0.00000
24.0000	34.7876	5.17483	6732.71	5.17481	-0.00002
29.0000	34.7821	5.69735	7010.17	5.69736	0.00001
32.5000	34.7787	6.07017	7201.43	6.07023	0.00006

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