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SENSOR SERIAL NUMBER: 0026
CALIBRATION DATE: 25-Oct-18

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

COEFFICIENTS:

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g = -9.940420e-001
h =  1.619515e-001
i = -4.104616e-004
j =  5.785648e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  8.3917e-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	2482.54	0.00000	0.00000
1.0000	34.6685	2.96453	4953.38	2.96453	-0.00000
4.4999	34.6489	3.27047	5140.73	3.27048	0.00000
14.9999	34.6073	4.24867	5697.83	4.24867	0.00000
18.5000	34.5985	4.59258	5880.91	4.59259	0.00001
24.0000	34.5891	5.14855	6165.07	5.14854	-0.00001
29.0000	34.5835	5.66846	6419.11	5.66847	0.00000
32.5000	34.5795	6.03935	6594.16	6.03935	-0.00000

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