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SENSOR SERIAL NUMBER: 0026
CALIBRATION DATE: 23-Dec-17

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

COEFFICIENTS:

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g = -9.945368e-001
h =  1.621066e-001
i = -4.470046e-004
j =  6.010187e-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	2482.55	0.00000	0.00000
1.0000	34.7778	2.97299	4958.51	2.97297	-0.00001
4.5000	34.7579	3.27976	5146.19	3.27977	0.00002
15.0000	34.7158	4.26059	5704.20	4.26060	0.00001
18.5000	34.7068	4.60541	5887.55	4.60540	-0.00001
24.0000	34.6969	5.16282	6172.15	5.16282	-0.00001
29.0000	34.6914	5.68416	6426.61	5.68417	0.00002
32.5000	34.6882	6.05617	6601.98	6.05617	-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