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SENSOR SERIAL NUMBER: 0285
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 = -9.929539e-001
h =  1.365469e-001
i = -1.822648e-004
j =  3.050100e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.1739e-008
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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	2699.31	0.00000	0.00000
1.0000	34.8694	2.98007	5396.00	2.98007	-0.00000
4.5000	34.8494	3.28754	5600.29	3.28754	0.00000
15.0000	34.8065	4.27054	6207.76	4.27054	0.00000
18.5000	34.7975	4.61614	6407.40	4.61613	-0.00001
24.0000	34.7876	5.17483	6717.32	5.17484	0.00001
29.0000	34.7821	5.69735	6994.45	5.69734	-0.00000
32.5000	34.7787	6.07017	7185.50	6.07021	0.00004

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