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SENSOR SERIAL NUMBER: 0266
CALIBRATION DATE: 31-Jan-19

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

COEFFICIENTS:

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g =  -9.82066234e+000
h =   1.15571339e+000
i =  -1.69732895e-003
j =   2.01388758e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2.91914	0.00000	0.00000
1.0000	34.9011	2.98252	5.86469	2.98253	0.00001
4.5000	34.8798	3.29012	6.08754	3.29011	-0.00001
15.0000	34.8350	4.27366	6.75039	4.27366	-0.00001
18.5000	34.8250	4.61940	6.96822	4.61940	-0.00000
24.0000	34.8132	5.17822	7.30635	5.17823	0.00002
29.0000	34.8026	5.70033	7.60841	5.70032	-0.00001
32.5000	34.7927	6.07234	7.81635	6.07228	-0.00006

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity