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SENSOR SERIAL NUMBER: 0313
CALIBRATION DATE: 09-Feb-21

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

COEFFICIENTS:

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g =  -1.01077809e+001
h =   1.09928025e+000
i =  -2.92953389e-003
j =   2.80618185e-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	3.04106	0.00000	0.00000
1.0000	34.6683	2.96452	6.03407	2.96453	0.00001
4.4999	34.6489	3.27047	6.26164	3.27047	-0.00001
15.0000	34.6084	4.24880	6.93873	4.24878	-0.00002
18.5000	34.5997	4.59273	7.16130	4.59273	0.00000
24.0000	34.5906	5.14875	7.50686	5.14878	0.00003
29.0000	34.5863	5.66887	7.81590	5.66886	-0.00001
32.5000	34.5838	6.04002	8.02893	6.03995	-0.00007

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