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SENSOR SERIAL NUMBER: 0141
CALIBRATION DATE: 06-Feb-24

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

COEFFICIENTS:

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g =  -9.85716580e+000
h =   1.13080240e+000
i =   9.34752979e-004
j =   4.34024267e-005

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	2.94837	0.00000	0.00000
1.0000	34.5828	2.95790	5.88717	2.95779	-0.00011
4.5000	34.5628	3.26315	6.11006	3.26322	0.00006
15.0000	34.5203	4.23913	6.77283	4.23939	0.00026
18.5000	34.5109	4.58221	6.99046	4.58215	-0.00006
24.0000	34.5001	5.13676	7.32854	5.13645	-0.00032
29.0000	34.4924	5.65521	7.63126	5.65537	0.00016
32.5000	34.4854	6.02478	7.83867	6.02324	-0.00154

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