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SENSOR SERIAL NUMBER: 0266
CALIBRATION DATE: 29-Jan-21

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

COEFFICIENTS:

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g =  -9.82631203e+000
h =   1.15803127e+000
i =  -2.40831796e-003
j =   2.57588079e-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	2.91906	0.00000	0.00000
0.9999	34.6543	2.96343	5.85078	2.96343	0.00001
4.4999	34.6345	3.26925	6.07290	3.26925	-0.00000
15.0000	34.5934	4.24715	6.73351	4.24712	-0.00003
18.4999	34.5848	4.59095	6.95064	4.59096	0.00001
23.9999	34.5756	5.14675	7.28770	5.14679	0.00003
29.0000	34.5707	5.66660	7.58907	5.66658	-0.00002
32.5000	34.5690	6.03772	7.79682	6.03749	-0.00023

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