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SENSOR SERIAL NUMBER: 0349
CALIBRATION DATE: 11-Feb-21

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

COEFFICIENTS:

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g =  -1.00861846e+001
h =   1.14623715e+000
i =  -2.81015966e-003
j =   2.86493531e-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	2.97394	0.00000	0.00000
1.0000	34.6750	2.96504	5.90491	2.96504	0.00001
4.5000	34.6553	3.27103	6.12769	3.27103	-0.00000
15.0000	34.6148	4.24950	6.79049	4.24948	-0.00002
18.5000	34.6062	4.59350	7.00839	4.59351	0.00002
24.0000	34.5973	5.14964	7.34666	5.14964	0.00000
28.9999	34.5925	5.66976	7.64917	5.66976	-0.00000
32.5001	34.5728	6.03832	7.85770	6.04089	0.00257

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