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SENSOR SERIAL NUMBER: 0378  
 CALIBRATION DATE: 23-Sep-22

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

COEFFICIENTS:

g = -1.00525780e+001  
 h = 1.13518806e+000  
 i = -2.88524253e-003  
 j = 2.71817341e-004

CPcor = -9.5700e-008 (nominal)  
 CTcor = 3.2500e-006 (nominal)

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	2.98395	0.00000	0.00000
0.9999	34.5414	2.95469	5.92599	2.95470	0.00001
4.5000	34.5196	3.25948	6.14959	3.25946	-0.00001
14.9999	34.4739	4.23402	6.81492	4.23402	0.00000
18.5000	34.4636	4.57660	7.03364	4.57662	0.00002
23.9999	34.4523	5.13042	7.37323	5.13041	-0.00000
29.0000	34.4453	5.64835	7.67692	5.64833	-0.00002
32.5000	34.4405	6.01782	7.88627	6.01783	0.00001

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars);  $\delta$  = CTcor;  $\epsilon$  = CPcor;

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

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

