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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 09-Feb-22

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

COEFFICIENTS:

g = -1.00152454e+001
h = 1.12978328e+000
i = -4.28565012e-003
j = 3.74196545e-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	2.98993	0.00000	0.00000
1.0000	34.5582	2.95600	5.95092	2.95604	0.00004
4.4999	34.5396	3.26117	6.17591	3.26111	-0.00006
15.0000	34.4994	4.23683	6.84525	4.23684	0.00001
18.5000	34.4876	4.57944	7.06497	4.57948	0.00003
24.0000	34.4783	5.13387	7.40633	5.13384	-0.00004
29.0000	34.4728	5.65235	7.71157	5.65236	0.00001
32.5001	34.4677	6.02205	7.92180	6.02210	0.00006

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

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

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

