Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 0387
CALIBRATION DATE: 13-Mar-25

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

COEFFICIENTS:

```
g =  -1.01681624e+001
h =   1.14931148e+000
i =  -2.61460559e-003
j =   2.67747288e-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	2.98145	0.00000	0.00000
1.0000	34.6646	2.96423	5.90117	2.96425	0.00002
4.5000	34.6448	3.27013	6.12334	3.27012	-0.00001
15.0000	34.6023	4.24813	6.78439	4.24810	-0.00003
18.5000	34.5929	4.59192	7.00173	4.59191	-0.00001
23.9999	34.5821	5.14761	7.33916	5.14767	0.00006
29.0000	34.5766	5.66746	7.64095	5.66743	-0.00003
32.4999	34.5727	6.03829	7.85723	6.05316	0.01487

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