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

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

SENSOR SERIAL NUMBER: 0131
CALIBRATION DATE: 18-Aug-24

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

COEFFICIENTS:

```
g =  -9.99765058e+000
h =   1.12610961e+000
i =  -4.37656127e-003
j =   4.05979206e-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	2.99220	0.00000	0.00000
1.0000	34.6803	2.96545	5.96494	2.96549	0.00005
4.5000	34.6612	3.27153	6.19049	3.27148	-0.00005
15.0000	34.6198	4.25005	6.86127	4.25003	-0.00002
18.5001	34.6114	4.59412	7.08170	4.59412	-0.00000
23.9999	34.6023	5.15029	7.42378	5.15035	0.00006
28.9999	34.5967	5.67037	7.72943	5.67034	-0.00003
32.5001	34.5925	6.04137	7.94023	6.04169	0.00032

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