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

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

SENSOR SERIAL NUMBER: 1852
CALIBRATION DATE: 04-Jun-23

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -1.049999e+000
h =  1.497162e-001
i = -1.648096e-004
j =  3.891512e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.0378e-006
```

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2649.67	0.00000	0.00000
1.0000	34.6343	2.96189	5173.29	2.96190	0.00001
4.5000	34.6150	3.26760	5365.94	3.26760	-0.00000
15.0000	34.5740	4.24502	5939.27	4.24501	-0.00002
18.5000	34.5652	4.58864	6127.81	4.58863	-0.00000
24.0000	34.5559	5.14415	6420.60	5.14417	0.00002
29.0000	34.5504	5.66365	6682.44	5.66366	0.00001
32.5000	34.5453	6.03405	6862.82	6.03404	-0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

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