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

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

SENSOR SERIAL NUMBER: 2326
CALIBRATION DATE: 12-Dec-18

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g =  -1.00830993e+001
h =   1.47170559e+000
i =  -1.10364747e-004
j =   9.21219221e-005

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)
0.0000	0.0000	0.00000	2.61720	0.00000	0.00000
-1.0000	34.6346	2.79130	5.07798	2.79129	-0.00001
1.0000	34.6349	2.96193	5.19060	2.96194	0.00001
15.0000	34.6345	4.25166	5.97313	4.25165	-0.00001
18.5000	34.6328	4.59665	6.16554	4.59666	0.00002
29.0000	34.6274	5.67485	6.73119	5.67484	-0.00001
32.5000	34.6173	6.04520	6.91473	6.04521	0.00001

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