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

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

SENSOR SERIAL NUMBER: 3114
CALIBRATION DATE: 05-May-19

SBE 16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g =  -4.11191355e+000
h =   4.89692618e-001
i =   1.56907220e-003
j =  -3.67859278e-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)
22.0000	0.0000	0.00000	2.88534	0.00000	0.00000
1.0000	34.7657	2.97205	8.22494	2.97202	-0.00003
4.5000	34.7457	3.27872	8.58678	3.27875	0.00003
15.0000	34.7032	4.25920	9.65144	4.25925	0.00005
18.5000	34.6940	4.60389	9.99832	4.60388	-0.00001
23.9999	34.6832	5.16100	10.53451	5.16094	-0.00006
29.0000	34.6745	5.68170	11.01182	5.68172	0.00002
32.5000	34.6675	6.05297	11.33965	6.05298	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