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

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

SENSOR SERIAL NUMBER: 0521
CALIBRATION DATE: 02-Aug-17

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

COEFFICIENTS:

```
g =  -4.06730279e+000
h =   4.86384898e-001
i =   9.21588128e-004
j =  -1.00818252e-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	2.88415	0.00000	0.00000
1.0000	34.7102	2.96776	8.27065	2.96773	-0.00003
4.5000	34.6902	3.27400	8.63550	3.27403	0.00003
15.0000	34.6467	4.25300	9.70867	4.25302	0.00001
18.4999	34.6378	4.59723	10.05832	4.59720	-0.00003
23.9999	34.6282	5.15372	10.59890	5.15376	0.00004
28.9999	34.6229	5.67419	11.08005	5.67413	-0.00006
32.5000	34.6198	6.04559	11.41090	6.04562	0.00003

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