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

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

SENSOR SERIAL NUMBER: 0367
CALIBRATION DATE: 03-Jun-26

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

COEFFICIENTS:

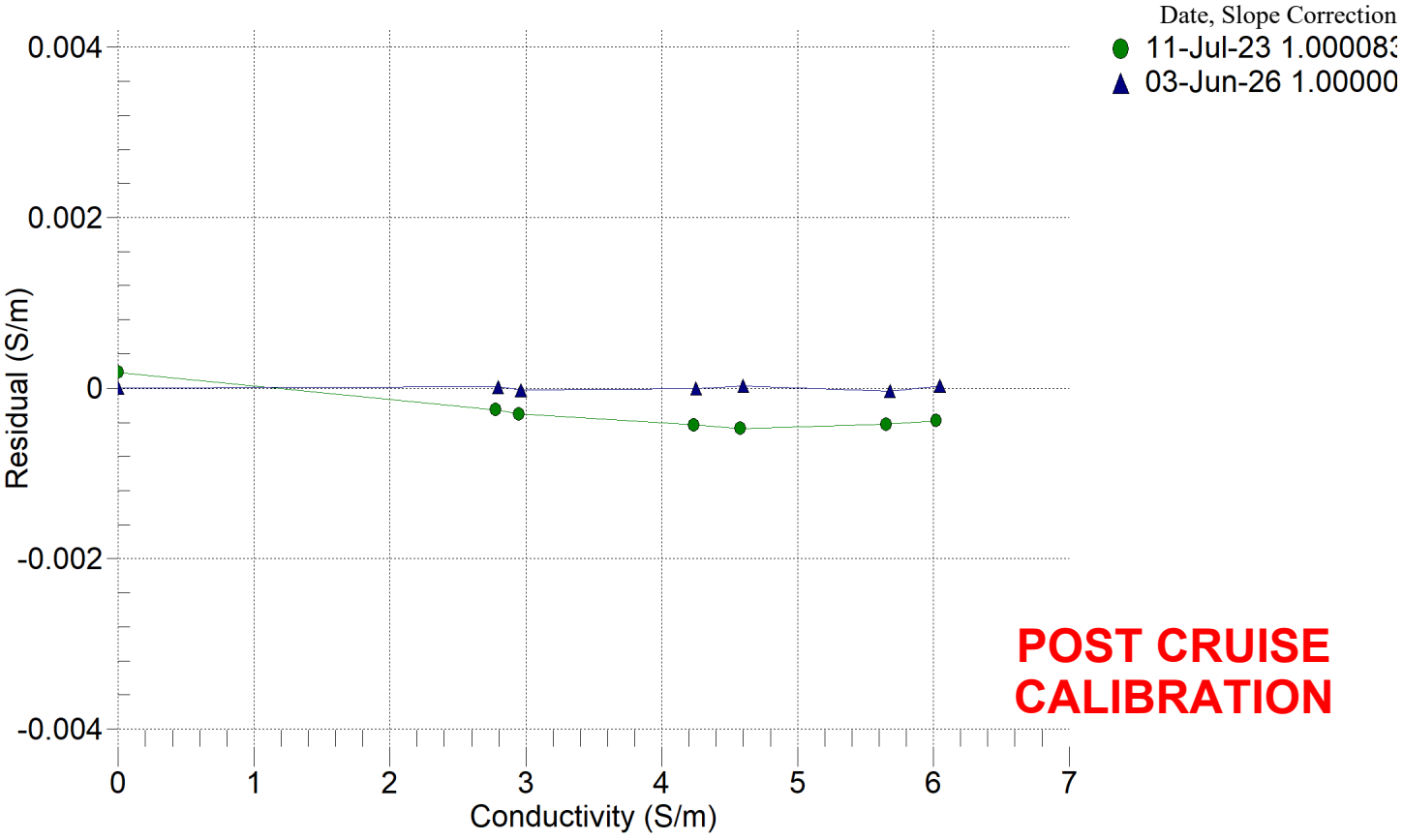
```
g =   -1.00506649e+01
h =    1.52296093e+00
i =   -4.11929233e-03
j =    4.16342614e-04

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	2.57558	0.00000	0.00000
-1.0000	34.6835	2.79487	5.01189	2.79489	0.00002
1.0000	34.6848	2.96579	5.12334	2.96577	-0.00002
15.0000	34.6846	4.25716	5.89729	4.25716	-0.00001
18.5000	34.6836	4.60266	6.08752	4.60269	0.00003
29.0000	34.6778	5.68218	6.64631	5.68214	-0.00004
32.5000	34.6612	6.05200	6.82707	6.05202	0.00002

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