Sea-Bird Scientific 13431 NE 20<sup>th</sup> Street Bellevue, WA 98005 USA +1 425-643-9866 seabird@seabird.com www.seabird.com

SENSOR SERIAL NUMBER: 3767 CALIBRATION DATE: 24-Apr-19 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## **COEFFICIENTS:**

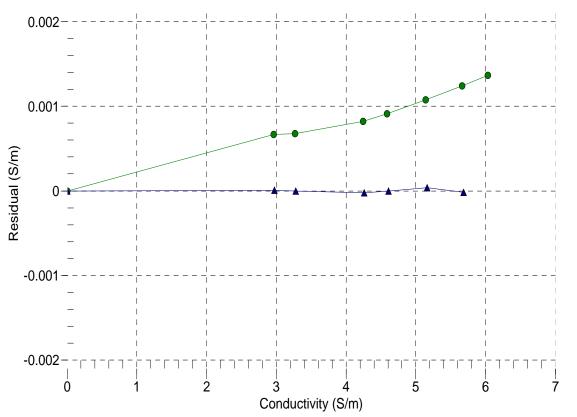
BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2625.37	0.00000	0.00000
1.0000	34.7911	2.97402	5136.94	2.97402	0.00001
4.5000	34.7711	3.28088	5328.65	3.28088	-0.00000
15.0000	34.7282	4.26195	5899.25	4.26192	-0.00002
18.5000	34.7188	4.60683	6086.91	4.60683	-0.00000
23.9999	34.7079	5.16427	6378.30	5.16431	0.00004
29.0000	34.7005	5.68548	6638.87	5.68547	-0.00002
32,5000	34.6941	6.05709	6818.35	6.05694	-0.00014

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

 $t = temperature (°C); p = pressure (decibars); <math>\delta = CTcor; \epsilon = CPcor;$ 

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

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



Date, Slope Correction

- 07-Mar-15 0.9997873
- ▲ 24-Apr-19 1.0000000