## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1220 CALIBRATION DATE: 20-Jan-17

SBE 9plus PRESSURE CALIBRATION DATA 10000 psia S/N 91220-A

## **DIGIQUARTZ COEFFICIENTS:**

C1	=	-4.396022e+004
C2	=	-1.130767e+000
C3	=	1.261120e-002
D1	=	3.507300e-002
D2	=	0.000000e+000
Т1	=	2.997068e+001
Т2	=	-6.253509e-004
Т3	=	3.819220e-006
Т4	=	2.267250e-009

0.000000e+000

## AD590M, AD590B, SLOPE AND OFFSET:

AD590M = 1.2857	6E-00Z
AD590B = -8.3258	3e+000
Slope = 1.0000	5
Offset = $-1.7898$	(dbars)

INSTRUMENT OUTPUT (Hz)	INSTRUMENT TEMPERATURE (°C)	INSTRUMENT PRESSURE (PSIA)	CORRECTED PRESSURE (PSIA)	RESIDUAL (PSIA)
33385.30	21.5	16.828	14.233	0.047
34129.60	21.5	2003.490	2000.989	-0.121
34855.90	21.6	3990.646	3988.240	0.186
35565.10	21.6	5977.592	5975.280	0.189
36258.30	21.6	7964.567	7962.350	0.044
36936.50	21.6	9951.800	9949.678	-0.165
36258.30	21.6	7964.534	7962.317	-0.030
35565.10	21.6	5977.532	5975.220	0.055
34855.90	21.6	3990.543	3988.136	0.026
34129.60	21.6	2003.349	2000.848	-0.267
33385.40	21.7	16.815	14.220	0.036
	OUTPUT (Hz) 33385.30 34129.60 34855.90 35565.10 36258.30 36936.50 36258.30 35565.10 34855.90 34129.60	OUTPUT (Hz) TEMPERATURE (°C)  33385.30 21.5  34129.60 21.5  34855.90 21.6  35565.10 21.6  36258.30 21.6  36258.30 21.6  36258.30 21.6  35565.10 21.6  34855.90 21.6  34855.90 21.6	OUTPUT (Hz)         TEMPERATURE (°C)         PRESSURE (PSIA)           33385.30         21.5         16.828           34129.60         21.5         2003.490           34855.90         21.6         3990.646           35565.10         21.6         5977.592           36258.30         21.6         7964.567           36936.50         21.6         9951.800           36258.30         21.6         7964.534           35565.10         21.6         5977.532           34855.90         21.6         3990.543           34129.60         21.6         2003.349	OUTPUT (Hz)         TEMPERATURE (°C)         PRESSURE (PSIA)         PRESSURE (PSIA)           33385.30         21.5         16.828         14.233           34129.60         21.5         2003.490         2000.989           34855.90         21.6         3990.646         3988.240           35565.10         21.6         5977.592         5975.280           36258.30         21.6         7964.567         7962.350           36936.50         21.6         9951.800         9949.678           36258.30         21.6         7964.534         7962.317           35565.10         21.6         5977.532         5975.220           34855.90         21.6         3990.543         3988.136           34129.60         21.6         2003.349         2000.848

Residual (PSIA) = corrected instrument pressure - reference pressure

