Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0040 CALIBRATION DATE: 07-Mar-13

SBE GLIDER PAYLOAD CTD PRESSURE CALIBRATION DATA 44 psia S/N 3220328

COEFFICIENTS:

PA0 = -4.710467e - 002	PTCA0 = 5.250392e+005
PA1 = 1.508545e - 004	PTCA1 = -9.930179e + 000
PA2 = -2.330397e - 012	PTCA2 = -1.815185e-001
PTEMPA0 = -7.439549e+001	PTCB0 = 2.499462e+001
PTEMPA1 = 4.950412e-002	PTCB1 = -6.750000e-004
PTEMPA2 = -3.009803e-007	PTCB2 = 0.000000e+000

PRESSURE SP PRESSURE PSIA O	INST THER	ATION RMISTOR COMI TPUT PRES			TEMP TH	CORRECT ERMISTOR OUTPUT	
14.63 62	2032.0 19	77.0	14.62 -	-0.02	32.50	2188	627203.40
24.94 69	0686.0 19	79.0	24.94 -	-0.01	29.00	2116	627208.90
29.95 72	4014.0 19	79.0	29.94 -	-0.01	24.00	2012	627314.80
34.95 75	7367.0 19	79.0	34.94 -	-0.01	18.50	1899	627441.00
39.95 79	0773.0 19	78.0	39.95	0.00	15.00	1826	627533.50
44.95 82	4205.0 19	79.0	44.95 -	-0.00	4.50	1610	627620.60
39.94 79	0774.0 19	79.0	39.95	0.00	1.00	1537	627676.30
34.94 75	7375.0 19	79.0	34.94	0.00			
29.95 72	4066.0 19	0.08	29.95	0.01	TEMP(II	S90) S	SPAN(mV)
24.94 69	0758.0 19	0.08	24.95	0.02	-5.0	0	25.00
14.63 62	2153.0 19	0.08	14.64	0.02	35.0	0	24.97

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y = thermistor output; t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2
x = pressure output - PTCA0 - PTCA1 * t - PTCA2 * t^2
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)
pressure (psia) = PA0 + PA1 * n + PA2 * n^2
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Date, Avg Delta P %FS

