## **SEA-BIRD ELECTRONICS, INC.**

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SENSOR SERIAL NUMBER: 2337 CALIBRATION DATE: 18-Aug-11 SBE 37 PRESSURE CALIBRATION DATA 1450 psia S/N 1454

## COEFFICIENTS:

PA0 =	-1.895857e+000	
PA1 =	6.888253e-002	
PA2 =	-4.341319e-009	

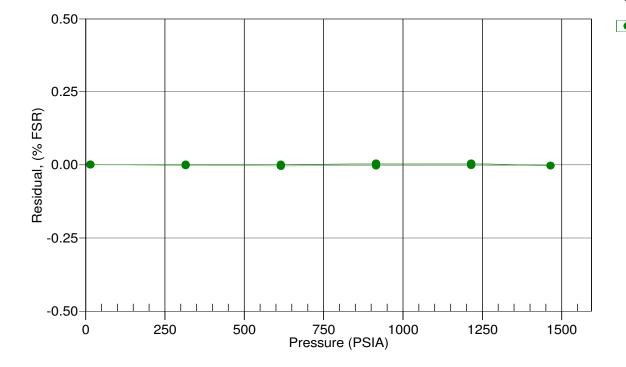
PTCA0	=	-1.876840e+002
PTCA1	=	-1.186167e+000
PTCA2	=	-9.413362e-004
PTCB0	=	2.481212e+001
PTCB1	=	4.250000e-004
PTCB2	=	0.000000e+000

PRESSURE SPAN CALIBRATION						
PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS	TEMI ITS90	
14.70	26.0	22.8	14.71	0.00	32.5	
314.96	4387.6	22.7	314.93	-0.00	29.0	
615.00	8748.4	22.7	614.94	-0.00	24.0	
914.98	13111.7	22.5	914.95	-0.00	18.5	
1215.01	17477.7	22.5	1214.98	-0.00	15.0	
1465.07	21118.1	22.5	1465.03	-0.00	4.5	
1214.96	17478.4	22.5	1215.03	0.00	1.0	
914.94	13112.4	22.6	915.00	0.00		
614.94	8748.7	22.6	614.96	0.00		
314.97	4388.4	22.6	314.98	0.00		
14.70	25.7	22.9	14.70	0.00		

THERMAL CORRECTION						
TEMP	INST	TEMP	SPAN			
ITS90	OUTPUT	ITS90	MV			
32.50	25.12	-5.00	24.81			
29.00	29.62	35.00	24.83			
24.00	35.72					
18.50	42.49					
15.00	46.65					
4.50	59.39					
1.00	63.54					

x = pressure output - PTCA0 - PTCA1 \* t - PTCA2 \*  $t^2$ n = x \* PTCB0 / (PTCB0 + PTCB1 \* t + PTCB2 \*  $t^2$ ) pressure (psia) = PA0 + PA1 \* n + PA2 \*  $n^2$ 

Date, Avg Delta P %FS



• 18-Aug-11 0.00