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SENSOR SERIAL NUMBER: 1624
CALIBRATION DATE: 11-Feb-14

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 5503

COEFFICIENTS:

PA0 =	5.774611e-002	PTCA0 =	2.759777e+001
PA1 =	2.398818e-002	PTCA1 =	3.236310e-001
PA2 =	1.501950e-009	PTCA2 =	-9.756438e-003
PTHA0 =	-8.946232e+001	PTCB0 =	2.507613e+001
PTHA1 =	4.591780e-002	PTCB1 =	-1.750000e-004
PTHA2 =	-3.636062e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FS
14.66	639.2	2474.0	14.67	0.00
104.92	4398.4	2476.0	104.89	-0.01
204.93	8563.9	2477.0	204.91	-0.00
304.93	12726.7	2477.0	304.92	-0.00
404.94	16887.7	2478.0	404.93	-0.00
504.94	21045.3	2477.0	504.92	-0.00
404.94	16889.5	2476.0	404.98	0.01
304.94	12729.1	2477.0	304.98	0.01
204.94	8565.5	2476.0	204.95	0.00
104.94	4399.3	2476.0	104.91	-0.00
14.66	639.5	2474.0	14.68	0.00

THERMAL CORRECTION

TEMP ITS90	PRESS TEMP	INST OUTPUT
-1.50	1945.70	645.10
1.00	2001.80	645.78
4.50	2080.60	646.58
8.00	2159.30	647.29
11.50	2238.50	647.99
15.00	2317.60	648.22
18.50	2396.50	648.13
22.00	2476.10	647.90
25.50	2555.40	647.42
29.00	2635.00	646.65
32.50	2714.30	645.64

TEMP(ITS90)	SPAN(mV)
-5.00	25.08
35.00	25.07

y = thermistor output; $t = PTHA0 + PTHA1 * y + PTHA2 * y^2$

x = pressure output - $PTCA0 - PTCA1 * t - PTCA2 * t^2$

$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$

pressure (psia) = $PA0 + PA1 * n + PA2 * n^2$

Date, Avg Delta P %FS
● 11-Feb-14   -0.00