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SENSOR SERIAL NUMBER: 1640
CALIBRATION DATE: 11-Feb-14

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 5733

COEFFICIENTS:

PA0 =	9.321330e-002	PTCA0 =	7.517274e+001
PA1 =	2.384523e-002	PTCA1 =	4.464531e-001
PA2 =	1.547375e-009	PTCA2 =	-1.224930e-002
PTHA0 =	-8.781111e+001	PTCB0 =	2.526988e+001
PTHA1 =	4.614918e-002	PTCB1 =	-2.025000e-003
PTHA2 =	-3.735688e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FS
14.67	689.8	2425.0	14.68	0.00
104.93	4465.4	2426.0	104.90	-0.01
204.94	8649.4	2426.0	204.93	-0.00
304.96	12830.8	2426.0	304.95	-0.00
404.96	17009.3	2426.0	404.95	-0.00
504.97	21185.3	2426.0	504.95	-0.00
404.97	17010.6	2426.0	404.99	0.00
304.97	12832.5	2426.0	304.99	0.00
204.97	8651.2	2426.0	204.97	0.00
104.96	4468.0	2426.0	104.96	-0.00
14.67	689.8	2426.0	14.68	0.00

THERMAL CORRECTION

TEMP ITS90	PRESS TEMP	INST OUTPUT
-1.50	1899.50	693.90
1.00	1955.40	694.88
4.50	2033.70	695.98
8.00	2112.20	697.10
11.50	2190.90	698.30
15.00	2269.40	698.43
18.50	2348.30	698.64
22.00	2427.10	698.31
25.50	2506.30	697.63
29.00	2585.30	697.25
32.50	2664.40	696.04

TEMP(ITS90)	SPAN(mV)
-5.00	25.28
35.00	25.20

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