



To: Mr Tony Rapaz

From: Kim Cummings, Assistant Instructor Food Technology

Date: 2006-06-21

Subject: Temperature Study for Ice Chiller

BCIT Food Technology undertook a temperature study to look at the temperatures of 6 different food products which were being held in the food chiller which you supplied to us. Included in our study are the temperatures taken every minute for these foods over a 15 hour time period. As mentioned the results are in degrees Celsius. All results were obtained using "Calsoft" temperature gathering software. A total of 16 thermocouples were used. The following is a list of the foods and the thermocouples: -thermocouples 1 and 2, fish fillets, raw -thermocouples 2 and 3, uncooked shrimp -thermocouples 5 and 6, jello salad -thermocouples 7 and 8, not functioning -thermocouples 9 and 10, chicken cubes, raw -thermocouples 11 and 12, cottage cheese -thermocouples 13 and 14, sour cream -thermocouples 15 and 16, temperature of ice bath

**It was found that the unit did not accumulate any appreciable condensation over the course of this temperature study.**

Thank you for your interest in the BCIT Food Technology research Center.

## Temperature Conversion Chart

Celsius.....Fahrenheit

|           |        |
|-----------|--------|
| 0C.....   | 32.0 F |
| 1 C.....  | 33.8 F |
| 2C.....   | 35.6 F |
| 3C.....   | 37.4 F |
| 4C.....   | 39.2 F |
| 5C.....   | 41.0 F |
| 6C.....   | 42.8 F |
| 7C.....   | 44.6 F |
| 8C.....   | 46.4 F |
| 9C.....   | 48.2 F |
| 10C.....  | 50.0 F |
| 11C.....  | 51.8 F |
| 12 C..... | 53.6 F |
| 13 C..... | 55.4 F |
| 14 C..... | 57.2 F |
| 15 C..... | 59.0 F |
| 16 C..... | 60.8 F |
| 17 C..... | 62.6 F |
| 18 C..... | 64.4 F |
| 19 C..... | 66.2 F |
| 20 C..... | 68.0 F |
| 21 C..... | 69.8 F |
| 22 C..... | 71.6 F |
| 23 C..... | 73.4 F |
| 24 C..... | 75.2 F |
| 25 C..... | 77.0 F |
| 26 C..... | 78.8 F |
| 27 C..... | 80.6 F |
| 28 C..... | 82.4 F |
| 29 C..... | 84.2 F |
| 30 C..... | 86.0 F |

The equation for converting Fahrenheit to Celsius is:

$$((\text{Deg.F}) - 32) \times (5/9) = \text{Deg.C}$$

# DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0. 0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

COMPANY : Tony Rapaz  
PRODUCT :  
CONTAINER : ice chiller  
CONT. INFO : 6 food types held ion food chiller  
TEST DATE : 06-21-06  
TEST TIME : 22:57:48  
STERILIZER :  
RPM :  
FILE NAME : E:\CHILLER2.C32

All data in Degrees Fahrenheit

## THERMOCOUPLES

| NOTES<br>TIME<br>(hh:mm:ss) | Fish<br>Fillets |      | Uncooked<br>Shrimp |      | Jello<br>Salad |      | Not<br>Working |      | Chicken<br>Cubes (raw) |       | Cottage<br>Cheese |      | Sour<br>Cream |      | Ice<br>Bath |      |
|-----------------------------|-----------------|------|--------------------|------|----------------|------|----------------|------|------------------------|-------|-------------------|------|---------------|------|-------------|------|
|                             | 1               | 2    | 3                  | 4    | 5              | 6    | 7              | 8    | 9                      | 10    | 11                | 12   | 13            | 14   | 15          | 16   |
| 00:00:00                    | 4.35            | 8.27 | 9.05               | 9.29 | 6.91           | 6.56 | 0.00           | 0.00 | 6.64                   | 10.36 | 4.56              | 4.51 | 4.31          | 3.81 | 1.45        | 1.82 |
| 00:00:55                    | 4.24            | 8.27 | 8.68               | 9.18 | 6.78           | 6.37 | 0.00           | 0.00 | 6.50                   | 10.16 | 4.34              | 4.37 | 4.31          | 3.80 | 1.41        | 1.84 |
| 00:01:50                    | 4.13            | 8.21 | 8.40               | 9.07 | 6.66           | 6.23 | 0.00           | 0.00 | 6.38                   | 9.92  | 4.15              | 4.04 | 4.27          | 3.76 | 1.31        | 2.07 |
| 00:02:45                    | 4.03            | 8.14 | 8.18               | 8.93 | 6.54           | 6.14 | 0.00           | 0.00 | 6.28                   | 9.71  | 4.03              | 3.86 | 4.27          | 3.73 | 1.26        | 2.19 |
| 00:03:40                    | 3.89            | 8.06 | 8.00               | 8.69 | 6.44           | 6.05 | 0.00           | 0.00 | 6.19                   | 9.51  | 3.92              | 3.84 | 4.31          | 3.66 | 1.31        | 2.26 |
| 00:04:35                    | 3.82            | 7.98 | 7.84               | 8.49 | 6.34           | 6.00 | 0.00           | 0.00 | 6.09                   | 9.31  | 3.77              | 4.10 | 4.35          | 3.63 | 1.32        | 2.36 |
| 00:05:30                    | 3.78            | 7.88 | 7.69               | 8.29 | 6.26           | 5.92 | 0.00           | 0.00 | 5.97                   | 9.11  | 3.68              | 4.11 | 4.37          | 3.58 | 1.35        | 2.43 |
| 00:06:25                    | 3.71            | 7.79 | 7.55               | 8.09 | 6.17           | 5.88 | 0.00           | 0.00 | 5.88                   | 8.94  | 3.59              | 4.06 | 4.35          | 3.53 | 1.36        | 2.48 |
| 00:07:20                    | 3.64            | 7.71 | 7.50               | 7.97 | 6.12           | 5.84 | 0.00           | 0.00 | 5.83                   | 8.78  | 3.57              | 3.93 | 4.34          | 3.49 | 1.36        | 2.53 |
| 00:08:15                    | 3.60            | 7.64 | 7.52               | 7.90 | 6.04           | 5.80 | 0.00           | 0.00 | 5.75                   | 8.63  | 3.55              | 3.59 | 4.29          | 3.44 | 1.35        | 2.57 |
| 00:09:10                    | 3.60            | 7.54 | 7.49               | 7.81 | 5.97           | 5.74 | 0.00           | 0.00 | 5.64                   | 8.46  | 3.49              | 3.39 | 4.24          | 3.39 | 1.32        | 2.64 |
| 00:10:05                    | 3.64            | 7.49 | 7.46               | 7.74 | 5.92           | 5.68 | 0.00           | 0.00 | 5.59                   | 8.32  | 3.46              | 3.31 | 4.20          | 3.35 | 1.34        | 2.64 |
| 00:11:00                    | 3.67            | 7.42 | 7.41               | 7.66 | 5.88           | 5.63 | 0.00           | 0.00 | 5.53                   | 8.18  | 3.41              | 3.24 | 4.14          | 3.31 | 1.36        | 2.61 |
| 00:11:55                    | 3.71            | 7.34 | 7.32               | 7.59 | 5.83           | 5.56 | 0.00           | 0.00 | 5.44                   | 8.04  | 3.32              | 3.21 | 4.06          | 3.24 | 1.39        | 2.54 |
| 00:12:50                    | 3.78            | 7.29 | 7.25               | 7.53 | 5.78           | 5.53 | 0.00           | 0.00 | 5.38                   | 7.91  | 3.27              | 3.52 | 3.85          | 3.21 | 1.38        | 2.52 |
| 00:13:45                    | 3.80            | 7.21 | 7.13               | 7.39 | 5.72           | 5.47 | 0.00           | 0.00 | 5.28                   | 111   | 3.22              | 3.62 | 3.69          | 3.17 | 1.38        | 2.49 |
| 00:14:40                    | 3.81            | 7.13 | 6.94               | 7.22 | 5.67           | 5.42 | 0.00           | 0.00 | 5.13                   | 7.62  | 3.17              | 3.63 | 3.56          | 3.11 | 1.36        | 2.47 |
| 00:15:35                    | 3.86            | 7.10 | 6.82               | 7.12 | 5.64           | 5.42 | 0.00           | 0.00 | 5.05                   | 7.53  | 3.17              | 3.69 | 3.51          | 3.12 | 1.39        | 2.52 |
| 00:16:30                    | 3.86            | 7.01 | 6.67               | 7.00 | 5.59           | 5.39 | 0.00           | 0.00 | 4.98                   | 7.41  | 3.12              | 3.68 | 3.43          | 3.07 | 1.37        | 2.97 |
| 00:17:25                    | 3.87            | 6.94 | 6.48               | 6.92 | 5.53           | 5.38 | 0.00           | 0.00 | 4.95                   | 7.28  | 3.08              | 3.65 | 3.38          | 3.01 | 1.36        | 3.01 |
| 00:18:20                    | 3.86            | 6.89 | 6.30               | 6.85 | 5.47           | 5.36 | 0.00           | 0.00 | 4.89                   | 7.17  | 3.05              | 3.57 | 3.34          | 2.96 | 1.35        | 2.98 |
| 00:19:15                    | 3.88            | 6.84 | 6.34               | 6.80 | 5.42           | 5.34 | 0.00           | 0.00 | 4.91                   | 7.08  | 3.02              | 3.16 | 3.31          | 2.94 | 1.33        | 2.98 |
| 00:20:10                    | 3.86            | 6.75 | 6.38               | 6.74 | 5.35           | 5.30 | 0.00           | 0.00 | 4.86                   | 6.96  | 3.03              | 2.91 | 3.24          | 2.86 | 1.34        | 2.88 |
| 00:21:05                    | 3.91            | 6.73 | 6.43               | 6.79 | 5.34           | 5.32 | 0.00           | 0.00 | 4.86                   | 6.92  | 3.09              | 2.81 | 3.25          | 2.84 | 1.35        | 2.93 |
| 00:22:00                    | 3.87            | 6.64 | 6.39               | 6.74 | 5.26           | 5.27 | 0.00           | 0.00 | 4.77                   | 6.81  | 3.07              | 2.70 | 3.18          | 2.78 | 1.32        | 2.82 |
| 00:22:55                    | 3.87            | 6.60 | 6.37               | 6.74 | 5.23           | 5.28 | 0.00           | 0.00 | 4.73                   | 6.74  | 3.09              | 2.64 | 3.24          | 2.77 | 1.31        | 2.83 |
| 00:23:50                    | 3.88            | 6.56 | 6.35               | 6.72 | 5.21           | 5.27 | 0.00           | 0.00 | 4.69                   | 6.68  | 3.10              | 2.59 | 3.38          | 2.73 | 1.32        | 2.75 |
| 00:24:45                    | 3.86            | 6.48 | 6.29               | 6.68 | 5.16           | 5.23 | 0.00           | 0.00 | 4.59                   | 6.61  | 3.09              | 2.57 | 3.42          | 2.67 | 1.34        | 2.66 |
| 00:25:40                    | 3.85            | 6.42 | 6.26               | 6.68 | 5.12           | 5.21 | 0.00           | 0.00 | 4.52                   | 6.52  | 3.08              | 2.54 | 3.44          | 2.62 | 1.32        | 2.64 |
| 00:26:35                    | 3.85            | 6.34 | 6.23               | 6.66 | 5.08           | 5.18 | 0.00           | 0.00 | 4.45                   | 6.43  | 3.06              | 2.54 | 3.46          | 2.58 | 1.32        | 2.72 |
| 00:27:30                    | 3.87            | 6.29 | 6.22               | 6.65 | 5.06           | 5.18 | 0.00           | 0.00 | 4.43                   | 6.36  | 3.07              | 2.54 | 3.49          | 2.58 | 1.32        | 2.71 |
| 00:28:25                    | 3.86            | 6.23 | 6.22               | 6.63 | 5.03           | 5.17 | 0.00           | 0.00 | 4.37                   | 6.27  | 3.04              | 2.54 | 3.52          | 2.54 | 1.32        | 2.66 |
| 00:29:20                    | 3.88            | 6.19 | 6.22               | 6.65 | 5.02           | 5.17 | 0.00           | 0.00 | 4.33                   | 6.22  | 3.04              | 2.57 | 3.56          | 2.54 | 1.33        | 2.64 |
| 00:30:15                    | 3.88            | 6.14 | 6.19               | 6.62 | 4.99           | 5.16 | 0.00           | 0.00 | 4.27                   | 6.12  | 3.03              | 2.54 | 3.57          | 2.51 | 1.32        | 2.59 |
| 00:31:10                    | 3.88            | 6.08 | 6.16               | 6.60 | 4.96           | 5.14 | 0.00           | 0.00 | 4.19                   | 6.03  | 3.00              | 2.54 | 3.56          | 2.47 | 1.28        | 2.59 |
| 00:32:05                    | 3.91            | 6.04 | 6.13               | 6.59 | 4.96           | 5.14 | 0.00           | 0.00 | 4.17                   | 5.98  | 3.01              | 2.62 | 3.57          | 2.47 | 1.34        | 2.58 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 00:33:00  | 3.90          | 5.99 | 6.07 | 6.58 | 4.94 | 5.11 | 0.00 | 0.00 | 4.14 | 5.90 | 2.99 | 2.63 | 3.56 | 2.44 | 1.32 | 2.87 |
| 00:33:55  | 3.92          | 5.96 | 5.99 | 6.57 | 4.92 | 5.11 | 0.00 | 0.00 | 4.14 | 5.82 | 2.97 | 2.64 | 3.54 | 2.44 | 1.28 | 2.89 |
| 00:34:50  | 3.93          | 5.92 | 5.79 | 6.57 | 4.91 | 5.09 | 0.00 | 0.00 | 4.14 | 5.76 | 2.96 | 2.66 | 3.53 | 2.43 | 1.29 | 2.88 |
| 00:35:45  | 3.93          | 5.88 | 5.69 | 6.58 | 4.88 | 5.07 | 0.00 | 0.00 | 4.13 | 5.71 | 2.93 | 2.66 | 3.47 | 2.42 | 1.29 | 2.83 |
| 00:36:40  | 3.96          | 5.85 | 5.64 | 6.56 | 4.85 | 5.06 | 0.00 | 0.00 | 4.12 | 5.66 | 2.92 | 2.66 | 3.43 | 2.41 | 1.27 | 2.27 |
| 00:37:35  | 3.95          | 5.78 | 5.79 | 6.54 | 4.80 | 5.01 | 0.00 | 0.00 | 4.07 | 5.59 | 2.88 | 2.68 | 3.38 | 2.39 | 1.24 | 2.34 |
| 00:38:30  | 3.96          | 5.77 | 5.92 | 6.54 | 4.79 | 5.00 | 0.00 | 0.00 | 4.04 | 5.55 | 2.89 | 2.68 | 3.38 | 2.39 | 1.26 | 2.35 |
| 00:39:25  | 3.98          | 5.76 | 5.97 | 6.54 | 4.76 | 5.00 | 0.00 | 0.00 | 4.00 | 5.51 | 2.91 | 2.58 | 3.39 | 2.40 | 1.27 | 2.32 |
| 00:40:20  | 4.00          | 5.73 | 6.02 | 6.54 | 4.75 | 4.99 | 0.00 | 0.00 | 3.97 | 5.47 | 2.92 | 2.52 | 3.41 | 2.40 | 1.27 | 2.26 |
| 00:41:15  | 3.99          | 5.68 | 6.04 | 6.53 | 4.69 | 4.96 | 0.00 | 0.00 | 3.93 | 5.43 | 2.93 | 2.45 | 3.38 | 2.39 | 1.26 | 2.19 |
| 00:42:10  | 4.00          | 5.66 | 6.07 | 6.55 | 4.66 | 4.96 | 0.00 | 0.00 | 3.90 | 5.39 | 2.96 | 2.41 | 3.38 | 2.39 | 1.26 | 2.17 |
| 00:43:05  | 3.99          | 5.63 | 6.07 | 6.54 | 4.63 | 4.92 | 0.00 | 0.00 | 3.83 | 5.35 | 2.95 | 2.37 | 3.36 | 2.38 | 1.27 | 2.44 |
| 00:44:00  | 4.01          | 5.61 | 6.08 | 6.57 | 4.62 | 4.92 | 0.00 | 0.00 | 3.81 | 5.31 | 2.99 | 2.33 | 3.29 | 2.39 | 1.27 | 2.49 |
| 00:44:55  | 4.02          | 5.56 | 6.08 | 6.55 | 4.59 | 4.91 | 0.00 | 0.00 | 3.73 | 5.26 | 3.02 | 2.31 | 3.14 | 2.39 | 1.29 | 2.45 |
| 00:45:50  | 4.01          | 5.53 | 6.06 | 6.54 | 4.54 | 4.88 | 0.00 | 0.00 | 3.70 | 5.19 | 3.03 | 2.27 | 3.05 | 2.37 | 1.24 | 2.42 |
| 00:46:45  | 4.02          | 5.51 | 6.06 | 6.56 | 4.53 | 4.87 | 0.00 | 0.00 | 3.66 | 5.16 | 3.07 | 2.29 | 2.99 | 2.38 | 1.26 | 2.39 |
| 00:47:40  | 4.04          | 5.49 | 6.07 | 6.58 | 4.54 | 4.87 | 0.00 | 0.00 | 3.60 | 5.13 | 3.11 | 2.31 | 2.96 | 2.38 | 1.31 | 2.42 |
| 00:48:35  | 4.04          | 5.46 | 6.06 | 6.56 | 4.50 | 4.87 | 0.00 | 0.00 | 3.55 | 5.08 | 3.12 | 2.31 | 2.91 | 2.37 | 1.27 | 2.44 |
| 00:49:30  | 4.04          | 5.42 | 6.05 | 6.52 | 4.47 | 4.84 | 0.00 | 0.00 | 3.51 | 5.02 | 3.11 | 2.29 | 2.88 | 2.36 | 1.24 | 2.61 |
| 00:50:25  | 4.07          | 5.42 | 6.06 | 6.52 | 4.46 | 4.84 | 0.00 | 0.00 | 3.51 | 4.97 | 3.14 | 2.30 | 2.89 | 2.37 | 1.26 | 2.87 |
| 00:51:20  | 4.09          | 5.41 | 6.07 | 6.52 | 4.45 | 4.86 | 0.00 | 0.00 | 3.51 | 4.93 | 3.17 | 2.29 | 2.89 | 2.38 | 1.26 | 2.92 |
| 00:52:15  | 4.06          | 5.34 | 6.03 | 6.48 | 4.39 | 4.79 | 0.00 | 0.00 | 3.43 | 4.86 | 3.12 | 2.26 | 2.81 | 2.33 | 1.27 | 2.81 |
| 00:53:10  | 4.07          | 5.33 | 6.04 | 6.51 | 4.40 | 4.79 | 0.00 | 0.00 | 3.43 | 4.83 | 3.17 | 2.27 | 2.81 | 2.34 | 1.26 | 2.91 |
| 00:54:05  | 4.09          | 5.32 | 6.08 | 6.55 | 4.39 | 4.81 | 0.00 | 0.00 | 3.46 | 4.78 | 3.20 | 2.33 | 2.81 | 2.35 | 1.24 | 3.05 |
| 00:55:00  | 4.12          | 5.32 | 6.09 | 6.58 | 4.39 | 4.81 | 0.00 | 0.00 | 3.47 | 4.76 | 3.22 | 2.42 | 2.88 | 2.36 | 1.24 | 3.30 |
| 00:55:55  | 4.12          | 5.28 | 6.09 | 6.60 | 4.36 | 4.77 | 0.00 | 0.00 | 3.47 | 4.72 | 3.24 | 2.46 | 2.90 | 2.35 | 1.27 | 3.36 |
| 00:56:50  | 4.14          | 5.27 | 6.10 | 6.63 | 4.36 | 4.78 | 0.00 | 0.00 | 3.47 | 4.69 | 3.25 | 2.53 | 2.92 | 2.36 | 1.27 | 3.64 |
| 00:57:45  | 4.15          | 5.27 | 6.13 | 6.66 | 4.33 | 4.78 | 0.00 | 0.00 | 3.49 | 4.65 | 3.28 | 2.56 | 2.94 | 2.36 | 1.26 | 3.76 |
| 00:58:40  | 4.12          | 5.20 | 6.11 | 6.63 | 4.28 | 4.72 | 0.00 | 0.00 | 3.43 | 4.59 | 3.25 | 2.56 | 2.91 | 2.32 | 1.23 | 3.77 |
| 00:59:35  | 4.16          | 5.21 | 6.13 | 6.67 | 4.28 | 4.74 | 0.00 | 0.00 | 3.47 | 4.57 | 3.28 | 2.60 | 2.92 | 2.35 | 1.22 | 3.93 |
| 01:00:30  | 4.16          | 5.20 | 6.17 | 6.70 | 4.27 | 4.73 | 0.00 | 0.00 | 3.47 | 4.56 | 3.31 | 2.61 | 2.91 | 2.36 | 1.26 | 3.99 |
| 01:01:25  | 4.19          | 5.18 | 6.19 | 6.71 | 4.27 | 4.73 | 0.00 | 0.00 | 3.47 | 4.52 | 3.33 | 2.64 | 2.89 | 2.36 | 1.26 | 4.07 |
| 01:02:20  | 4.20          | 5.19 | 6.21 | 6.75 | 4.27 | 4.73 | 0.00 | 0.00 | 3.47 | 4.51 | 3.34 | 2.68 | 2.83 | 2.37 | 1.26 | 4.16 |
| 01:03:15  | 4.19          | 5.13 | 6.20 | 6.74 | 4.24 | 4.70 | 0.00 | 0.00 | 3.43 | 4.43 | 3.33 | 2.67 | 2.76 | 2.35 | 1.21 | 4.21 |
| 01:04:10  | 4.20          | 5.12 | 6.22 | 6.76 | 4.24 | 4.69 | 0.00 | 0.00 | 3.43 | 4.41 | 3.34 | 2.70 | 2.73 | 2.37 | 1.23 | 4.29 |
| 01:05:05  | 4.23          | 5.13 | 6.25 | 6.78 | 4.24 | 4.69 | 0.00 | 0.00 | 3.44 | 4.37 | 3.36 | 2.74 | 2.73 | 2.39 | 1.21 | 4.42 |
| 01:06:00  | 4.23          | 5.11 | 6.26 | 6.81 | 4.24 | 4.69 | 0.00 | 0.00 | 3.43 | 4.36 | 3.37 | 2.83 | 2.72 | 2.41 | 1.22 | 4.43 |
| 01:06:55  | 4.26          | 5.09 | 6.28 | 6.83 | 4.23 | 4.68 | 0.00 | 0.00 | 3.43 | 4.33 | 3.37 | 2.91 | 2.71 | 2.43 | 1.23 | 4.49 |
| 01:07:50  | 4.27          | 5.08 | 6.29 | 6.84 | 4.24 | 4.67 | 0.00 | 0.00 | 3.42 | 4.31 | 3.38 | 2.95 | 2.69 | 2.44 | 1.23 | 4.57 |
| 01:08:45  | 4.29          | 5.08 | 6.32 | 6.87 | 4.26 | 4.67 | 0.00 | 0.00 | 3.42 | 4.31 | 3.38 | 3.01 | 2.70 | 2.44 | 1.26 | 4.61 |
| 01:09:40  | 4.29          | 5.04 | 6.32 | 6.86 | 4.23 | 4.65 | 0.00 | 0.00 | 3.38 | 4.26 | 3.36 | 3.03 | 2.63 | 2.44 | 1.26 | 4.57 |
| 01:10:35  | 4.31          | 5.06 | 6.33 | 6.89 | 4.24 | 4.65 | 0.00 | 0.00 | 3.37 | 4.27 | 3.37 | 3.07 | 2.67 | 2.47 | 1.27 | 4.61 |
| 01:11:30  | 4.37          | 5.07 | 6.38 | 6.92 | 4.27 | 4.68 | 0.00 | 0.00 | 3.38 | 4.27 | 3.38 | 3.12 | 2.74 | 2.51 | 1.29 | 4.65 |
| 01:12:25  | 4.38          | 5.07 | 6.39 | 6.94 | 4.27 | 4.69 | 0.00 | 0.00 | 3.37 | 4.24 | 3.38 | 3.16 | 2.83 | 2.51 | 1.26 | 4.72 |
| 01:13:20  | 4.41          | 5.07 | 6.42 | 6.97 | 4.28 | 4.68 | 0.00 | 0.00 | 3.38 | 4.24 | 3.22 | 3.18 | 2.90 | 2.52 | 1.27 | 4.73 |
| 01:14:15  | 4.46          | 5.09 | 6.47 | 7.01 | 4.29 | 4.72 | 0.00 | 0.00 | 3.38 | 4.26 | 3.17 | 3.24 | 2.98 | 2.56 | 1.26 | 4.79 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 01:15:10  | 4.46          | 5.07 | 6.47 | 7.00 | 4.29 | 4.69 | 0.00 | 0.00 | 3.36 | 4.23 | 3.12 | 3.25 | 3.01 | 2.54 | 1.26 | 4.81 |
| 01:16:05  | 4.51          | 5.09 | 6.51 | 7.04 | 4.32 | 4.73 | 0.00 | 0.00 | 3.36 | 4.24 | 3.12 | 3.30 | 3.08 | 2.57 | 1.26 | 4.93 |
| 01:17:00  | 4.51          | 5.08 | 6.51 | 7.04 | 4.31 | 4.69 | 0.00 | 0.00 | 3.33 | 4.21 | 3.08 | 3.29 | 3.08 | 2.56 | 1.22 | 4.91 |
| 01:17:55  | 4.56          | 5.11 | 6.56 | 7.09 | 4.34 | 4.73 | 0.00 | 0.00 | 3.34 | 4.24 | 3.08 | 3.34 | 3.12 | 2.60 | 1.26 | 4.98 |
| 01:18:50  | 4.57          | 5.12 | 6.59 | 7.09 | 4.34 | 4.72 | 0.00 | 0.00 | 3.34 | 4.22 | 3.08 | 3.34 | 3.16 | 2.60 | 1.26 | 5.02 |
| 01:19:45  | 4.58          | 5.11 | 6.59 | 7.12 | 4.34 | 4.72 | 0.00 | 0.00 | 3.32 | 4.20 | 3.12 | 3.36 | 3.18 | 2.59 | 1.22 | 5.06 |
| 01:20:40  | 4.62          | 5.14 | 6.63 | 7.14 | 4.37 | 4.75 | 0.00 | 0.00 | 3.35 | 4.22 | 3.13 | 3.41 | 3.22 | 2.62 | 1.26 | 5.09 |
| 01:21:35  | 4.64          | 5.14 | 6.64 | 7.17 | 4.36 | 4.75 | 0.00 | 0.00 | 3.35 | 4.21 | 3.13 | 3.43 | 3.24 | 2.61 | 1.24 | 5.12 |
| 01:22:30  | 4.71          | 5.18 | 6.69 | 7.21 | 4.40 | 4.78 | 0.00 | 0.00 | 3.41 | 4.24 | 3.16 | 3.46 | 3.29 | 2.64 | 1.24 | 5.16 |
| 01:23:25  | 4.70          | 5.16 | 6.68 | 7.19 | 4.38 | 4.75 | 0.00 | 0.00 | 3.38 | 4.21 | 3.14 | 3.46 | 3.29 | 2.58 | 1.24 | 5.12 |
| 01:24:20  | 4.74          | 5.18 | 6.73 | 7.23 | 4.41 | 4.78 | 0.00 | 0.00 | 3.39 | 4.21 | 3.16 | 3.47 | 3.32 | 2.61 | 1.23 | 5.20 |
| 01:25:15  | 4.78          | 5.21 | 6.77 | 7.27 | 4.43 | 4.79 | 0.00 | 0.00 | 3.41 | 4.22 | 3.18 | 3.52 | 3.36 | 2.61 | 1.24 | 5.27 |
| 01:26:10  | 4.79          | 5.22 | 6.79 | 7.29 | 4.43 | 4.79 | 0.00 | 0.00 | 3.42 | 4.21 | 3.17 | 3.52 | 3.35 | 2.61 | 1.24 | 5.28 |
| 01:27:05  | 4.84          | 5.25 | 6.83 | 7.34 | 4.45 | 4.82 | 0.00 | 0.00 | 3.43 | 4.23 | 3.19 | 3.55 | 3.39 | 2.62 | 1.27 | 5.29 |
| 01:28:00  | 4.86          | 5.23 | 6.82 | 7.32 | 4.43 | 4.79 | 0.00 | 0.00 | 3.41 | 4.20 | 3.17 | 3.49 | 3.36 | 2.59 | 1.24 | 5.29 |
| 01:28:55  | 4.89          | 5.26 | 6.87 | 7.36 | 4.46 | 4.82 | 0.00 | 0.00 | 3.43 | 4.22 | 3.21 | 3.53 | 3.39 | 2.60 | 1.27 | 5.34 |
| 01:29:50  | 4.93          | 5.30 | 6.89 | 7.38 | 4.48 | 4.83 | 0.00 | 0.00 | 3.44 | 4.23 | 3.23 | 3.54 | 3.42 | 2.61 | 1.27 | 5.36 |
| 01:30:45  | 4.96          | 5.31 | 6.92 | 7.42 | 4.48 | 4.86 | 0.00 | 0.00 | 3.44 | 4.23 | 3.24 | 3.55 | 3.43 | 2.62 | 1.28 | 5.37 |
| 01:31:40  | 4.97          | 5.31 | 6.93 | 7.42 | 4.48 | 4.84 | 0.00 | 0.00 | 3.44 | 4.22 | 3.25 | 3.54 | 3.42 | 2.59 | 1.23 | 5.41 |
| 01:32:35  | 5.00          | 5.32 | 6.97 | 7.43 | 4.49 | 4.84 | 0.00 | 0.00 | 3.46 | 4.23 | 3.26 | 3.56 | 3.42 | 2.59 | 1.27 | 5.38 |
| 01:33:30  | 5.05          | 5.36 | 7.01 | 7.48 | 4.52 | 4.87 | 0.00 | 0.00 | 3.47 | 4.24 | 3.28 | 3.59 | 3.43 | 2.61 | 1.26 | 5.47 |
| 01:34:25  | 5.07          | 5.37 | 7.02 | 7.49 | 4.53 | 4.87 | 0.00 | 0.00 | 3.46 | 4.23 | 3.27 | 3.60 | 3.44 | 2.59 | 1.27 | 5.43 |
| 01:35:20  | 5.08          | 5.37 | 7.03 | 7.50 | 4.51 | 4.88 | 0.00 | 0.00 | 3.46 | 4.21 | 3.27 | 3.60 | 3.46 | 2.58 | 1.23 | 5.46 |
| 01:36:15  | 5.13          | 5.42 | 7.08 | 7.55 | 4.54 | 4.91 | 0.00 | 0.00 | 3.48 | 4.24 | 3.30 | 3.63 | 3.48 | 2.61 | 1.24 | 5.49 |
| 01:37:10  | 5.17          | 5.42 | 7.10 | 7.58 | 4.54 | 4.91 | 0.00 | 0.00 | 3.47 | 4.24 | 3.18 | 3.66 | 3.49 | 2.61 | 1.24 | 5.49 |
| 01:38:05  | 5.17          | 5.43 | 7.11 | 7.59 | 4.54 | 4.91 | 0.00 | 0.00 | 3.47 | 4.23 | 3.13 | 3.65 | 3.47 | 2.58 | 1.24 | 5.51 |
| 01:39:00  | 5.21          | 5.44 | 7.14 | 7.60 | 4.54 | 4.91 | 0.00 | 0.00 | 3.43 | 4.23 | 3.12 | 3.66 | 3.49 | 2.58 | 1.26 | 5.53 |
| 01:39:55  | 5.27          | 5.50 | 7.19 | 7.64 | 4.59 | 4.96 | 0.00 | 0.00 | 3.42 | 4.26 | 3.17 | 3.71 | 3.53 | 2.63 | 1.28 | 5.62 |
| 01:40:50  | 5.27          | 5.49 | 7.19 | 7.64 | 4.58 | 4.92 | 0.00 | 0.00 | 3.33 | 4.25 | 3.12 | 3.71 | 3.51 | 2.59 | 1.27 | 5.61 |
| 01:41:45  | 5.31          | 5.53 | 7.23 | 7.68 | 4.61 | 4.94 | 0.00 | 0.00 | 3.34 | 4.28 | 3.14 | 3.73 | 3.52 | 2.57 | 1.32 | 5.62 |
| 01:42:40  | 5.34          | 5.54 | 7.25 | 7.71 | 4.59 | 4.96 | 0.00 | 0.00 | 3.32 | 4.27 | 3.14 | 3.73 | 3.52 | 2.53 | 1.29 | 5.64 |
| 01:43:35  | 5.38          | 5.58 | 7.28 | 7.74 | 4.62 | 4.97 | 0.00 | 0.00 | 3.32 | 4.28 | 3.17 | 3.76 | 3.54 | 2.51 | 1.28 | 5.69 |
| 01:44:30  | 5.39          | 5.59 | 7.30 | 7.75 | 4.63 | 4.98 | 0.00 | 0.00 | 3.30 | 4.29 | 3.26 | 3.76 | 3.54 | 2.47 | 1.32 | 5.64 |
| 01:45:25  | 5.43          | 5.61 | 7.33 | 111  | 4.63 | 4.99 | 0.00 | 0.00 | 3.30 | 4.29 | 3.33 | 3.78 | 3.54 | 2.46 | 1.29 | 5.69 |
| 01:46:20  | 5.47          | 5.65 | 7.36 | 7.81 | 4.67 | 5.01 | 0.00 | 0.00 | 3.31 | 4.31 | 3.40 | 3.82 | 3.57 | 2.47 | 1.29 | 5.74 |
| 01:47:15  | 5.53          | 5.69 | 7.42 | 7.85 | 4.69 | 5.03 | 0.00 | 0.00 | 3.31 | 4.36 | 3.44 | 3.86 | 3.59 | 2.49 | 1.36 | 5.80 |
| 01:48:10  | 5.52          | 5.68 | 7.41 | 7.84 | 4.66 | 5.00 | 0.00 | 0.00 | 3.28 | 4.32 | 3.44 | 3.82 | 3.56 | 2.43 | 1.31 | 5.81 |
| 01:49:05  | 5.57          | 5.71 | 7.44 | 7.87 | 4.68 | 5.05 | 0.00 | 0.00 | 3.30 | 4.34 | 3.47 | 3.86 | 3.58 | 2.46 | 1.33 | 5.84 |
| 01:50:00  | 5.59          | 5.72 | 7.46 | 7.89 | 4.69 | 5.04 | 0.00 | 0.00 | 3.31 | 4.34 | 3.49 | 3.87 | 3.57 | 2.45 | 1.33 | 5.85 |
| 01:50:55  | 5.61          | 5.74 | 7.47 | 7.91 | 4.71 | 5.05 | 0.00 | 0.00 | 3.31 | 4.34 | 3.49 | 3.89 | 3.57 | 2.43 | 1.33 | 5.88 |
| 01:51:50  | 5.65          | 5.77 | 7.51 | 7.94 | 4.71 | 5.07 | 0.00 | 0.00 | 3.34 | 4.36 | 3.51 | 3.93 | 3.57 | 2.42 | 1.32 | 5.94 |
| 01:52:45  | 5.69          | 5.80 | 7.54 | 7.96 | 4.73 | 5.07 | 0.00 | 0.00 | 3.35 | 4.38 | 3.53 | 3.95 | 3.57 | 2.42 | 1.34 | 5.96 |
| 01:53:40  | 5.73          | 5.83 | 7.58 | 8.00 | 4.75 | 5.09 | 0.00 | 0.00 | 3.37 | 4.39 | 3.59 | 3.99 | 3.59 | 2.42 | 1.38 | 6.02 |
| 01:54:35  | 5.76          | 5.86 | 7.61 | 8.02 | 4.76 | 5.11 | 0.00 | 0.00 | 3.40 | 4.39 | 3.62 | 4.00 | 3.58 | 2.43 | 1.38 | 6.07 |
| 01:55:30  | 5.77          | 5.86 | 7.61 | 8.03 | 4.76 | 5.09 | 0.00 | 0.00 | 3.39 | 4.39 | 3.63 | 4.00 | 3.57 | 2.40 | 1.37 | 6.11 |
| 01:56:25  | 5.81          | 5.89 | 7.64 | 8.05 | 4.77 | 5.11 | 0.00 | 0.00 | 3.40 | 4.39 | 3.65 | 4.03 | 3.58 | 2.40 | 1.38 | 6.13 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 01:57:20  | 5.85          | 5.93 | 7.68 | 8.09 | 4.79 | 5.14 | 0.00 | 0.00 | 3.44 | 4.41 | 3.69 | 4.05 | 3.59 | 2.41 | 1.34 | 6.18 |
| 01:58:15  | 5.88          | 5.94 | 7.71 | 8.11 | 4.80 | 5.13 | 0.00 | 0.00 | 3.45 | 4.41 | 3.70 | 4.05 | 3.60 | 2.38 | 1.33 | 6.17 |
| 01:59:10  | 5.89          | 5.96 | 7.72 | 8.12 | 4.79 | 5.14 | 0.00 | 0.00 | 3.46 | 4.41 | 3.72 | 4.07 | 3.61 | 2.37 | 1.33 | 6.18 |
| 02:00:05  | 5.98          | 6.02 | 7.78 | 8.18 | 4.85 | 5.18 | 0.00 | 0.00 | 3.52 | 4.46 | 3.78 | 4.14 | 3.67 | 2.41 | 1.38 | 6.23 |
| 02:01:00  | 5.99          | 6.04 | 7.79 | 8.19 | 4.86 | 5.19 | 0.00 | 0.00 | 3.53 | 4.44 | 3.79 | 4.16 | 3.66 | 2.41 | 1.36 | 6.27 |
| 02:01:55  | 6.02          | 6.06 | 7.80 | 8.21 | 4.86 | 5.18 | 0.00 | 0.00 | 3.53 | 4.46 | 3.81 | 4.16 | 3.66 | 2.39 | 1.37 | 6.26 |
| 02:02:50  | 6.06          | 6.09 | 7.84 | 8.24 | 4.88 | 5.21 | 0.00 | 0.00 | 3.57 | 4.47 | 3.86 | 4.19 | 3.69 | 2.41 | 1.36 | 6.31 |
| 02:03:45  | 6.10          | 6.13 | 7.89 | 8.27 | 4.91 | 5.23 | 0.00 | 0.00 | 3.59 | 4.50 | 3.89 | 4.23 | 3.73 | 2.42 | 1.38 | 6.34 |
| 02:04:40  | 6.13          | 6.15 | 7.90 | 8.29 | 4.91 | 5.23 | 0.00 | 0.00 | 3.61 | 4.49 | 3.92 | 4.23 | 3.71 | 2.41 | 1.36 | 6.38 |
| 02:05:35  | 6.16          | 6.18 | 7.92 | 8.31 | 4.92 | 5.23 | 0.00 | 0.00 | 3.62 | 4.50 | 3.93 | 4.24 | 3.72 | 2.41 | 1.36 | 6.44 |
| 02:06:30  | 6.21          | 6.21 | 7.97 | 8.35 | 4.94 | 5.26 | 0.00 | 0.00 | 3.65 | 4.53 | 3.97 | 4.28 | 3.74 | 2.41 | 1.41 | 6.42 |
| 02:07:25  | 6.24          | 6.23 | 7.98 | 8.36 | 4.94 | 5.27 | 0.00 | 0.00 | 3.67 | 4.53 | 3.98 | 4.28 | 3.73 | 2.39 | 1.41 | 6.42 |
| 02:08:20  | 6.27          | 6.27 | 8.01 | 8.39 | 4.97 | 5.27 | 0.00 | 0.00 | 3.68 | 4.54 | 4.01 | 4.31 | 3.74 | 2.39 | 1.41 | 6.44 |
| 02:09:15  | 6.29          | 6.28 | 8.03 | 8.41 | 4.98 | 5.28 | 0.00 | 0.00 | 3.71 | 4.54 | 4.03 | 4.33 | 3.75 | 2.36 | 1.37 | 6.48 |
| 02:10:10  | 6.36          | 6.33 | 8.08 | 8.46 | 5.01 | 5.31 | 0.00 | 0.00 | 3.74 | 4.61 | 4.06 | 4.37 | 3.76 | 2.36 | 1.41 | 6.46 |
| 02:11:05  | 6.37          | 6.36 | 8.09 | 8.47 | 5.02 | 5.32 | 0.00 | 0.00 | 3.74 | 4.60 | 4.08 | 4.38 | 3.74 | 2.34 | 1.42 | 6.44 |
| 02:12:00  | 6.40          | 6.37 | 8.11 | 8.48 | 5.02 | 5.32 | 0.00 | 0.00 | 3.75 | 4.59 | 4.09 | 4.38 | 3.59 | 2.33 | 1.38 | 6.49 |
| 02:12:55  | 6.45          | 6.41 | 8.15 | 8.52 | 5.04 | 5.35 | 0.00 | 0.00 | 3.77 | 4.62 | 4.13 | 4.42 | 3.52 | 2.34 | 1.39 | 6.51 |
| 02:13:50  | 6.45          | 6.41 | 8.14 | 8.51 | 5.03 | 5.31 | 0.00 | 0.00 | 3.75 | 4.60 | 4.11 | 4.39 | 3.43 | 2.30 | 1.38 | 6.07 |
| 02:14:45  | 6.50          | 6.45 | 8.18 | 8.55 | 5.06 | 5.35 | 0.00 | 0.00 | 3.75 | 4.64 | 4.14 | 4.44 | 3.42 | 2.30 | 1.39 | 5.58 |
| 02:15:40  | 6.53          | 6.48 | 8.19 | 8.57 | 5.07 | 5.37 | 0.00 | 0.00 | 3.77 | 4.63 | 4.17 | 4.44 | 3.42 | 2.30 | 1.38 | 5.51 |
| 02:16:35  | 6.58          | 6.53 | 8.26 | 8.61 | 5.10 | 5.39 | 0.00 | 0.00 | 3.80 | 4.68 | 4.18 | 4.51 | 3.43 | 2.32 | 1.42 | 5.45 |
| 02:17:30  | 6.61          | 6.54 | 8.26 | 8.63 | 5.10 | 5.40 | 0.00 | 0.00 | 3.80 | 4.68 | 4.19 | 4.49 | 3.41 | 2.32 | 1.41 | 5.41 |
| 02:18:25  | 6.62          | 6.56 | 8.26 | 8.64 | 5.10 | 5.40 | 0.00 | 0.00 | 3.79 | 4.67 | 4.19 | 4.48 | 3.39 | 2.29 | 1.37 | 5.37 |
| 02:19:20  | 6.68          | 6.61 | 8.31 | 8.68 | 5.15 | 5.43 | 0.00 | 0.00 | 3.82 | 4.72 | 4.24 | 4.53 | 3.41 | 2.32 | 1.44 | 5.38 |
| 02:20:15  | 6.71          | 6.63 | 8.33 | 8.69 | 5.14 | 5.44 | 0.00 | 0.00 | 3.82 | 4.71 | 4.24 | 4.54 | 3.39 | 2.31 | 1.43 | 5.33 |
| 02:21:10  | 6.74          | 6.65 | 8.35 | 8.72 | 5.15 | 5.45 | 0.00 | 0.00 | 3.83 | 4.72 | 4.26 | 4.54 | 3.37 | 2.30 | 1.39 | 5.28 |
| 02:22:05  | 6.77          | 6.67 | 8.37 | 8.72 | 5.16 | 5.44 | 0.00 | 0.00 | 3.84 | 4.72 | 4.26 | 4.56 | 3.36 | 2.30 | 1.47 | 5.19 |
| 02:23:00  | 6.83          | 6.74 | 8.44 | 8.80 | 5.22 | 5.51 | 0.00 | 0.00 | 3.89 | 4.77 | 4.32 | 4.63 | 3.41 | 2.36 | 1.47 | 5.22 |
| 02:23:55  | 6.86          | 6.77 | 8.44 | 8.82 | 5.22 | 5.51 | 0.00 | 0.00 | 3.89 | 4.77 | 4.32 | 4.64 | 3.41 | 2.37 | 1.47 | 5.08 |
| 02:24:50  | 6.86          | 6.75 | 8.46 | 8.81 | 5.21 | 5.48 | 0.00 | 0.00 | 3.87 | 4.76 | 4.30 | 4.61 | 3.37 | 2.35 | 1.46 | 4.68 |
| 02:25:45  | 6.91          | 6.79 | 8.48 | 8.85 | 5.24 | 5.52 | 0.00 | 0.00 | 3.89 | 4.78 | 4.34 | 4.63 | 3.42 | 2.37 | 1.46 | 4.61 |
| 02:26:40  | 6.93          | 6.82 | 8.49 | 8.86 | 5.24 | 5.52 | 0.00 | 0.00 | 3.89 | 4.77 | 4.34 | 4.63 | 3.44 | 2.36 | 1.43 | 4.54 |
| 02:27:35  | 6.95          | 6.83 | 8.52 | 8.89 | 5.26 | 5.53 | 0.00 | 0.00 | 3.89 | 4.79 | 4.34 | 4.65 | 3.45 | 2.36 | 1.47 | 4.48 |
| 02:28:30  | 7.02          | 6.87 | 8.56 | 8.93 | 5.31 | 5.57 | 0.00 | 0.00 | 3.93 | 4.83 | 4.36 | 4.70 | 3.49 | 2.38 | 1.48 | 4.48 |
| 02:29:25  | 7.02          | 6.89 | 8.57 | 8.93 | 5.29 | 5.57 | 0.00 | 0.00 | 3.93 | 4.81 | 4.35 | 4.70 | 3.49 | 2.38 | 1.43 | 4.48 |
| 02:30:20  | 7.06          | 6.91 | 8.58 | 8.96 | 5.31 | 5.58 | 0.00 | 0.00 | 3.93 | 4.83 | 4.27 | 4.69 | 3.58 | 2.36 | 1.42 | 4.42 |
| 02:31:15  | 7.09          | 6.96 | 8.63 | 8.99 | 5.33 | 5.61 | 0.00 | 0.00 | 3.97 | 4.86 | 4.09 | 4.73 | 3.67 | 2.39 | 1.44 | 4.42 |
| 02:32:10  | 7.14          | 7.00 | 8.66 | 9.03 | 5.36 | 5.65 | 0.00 | 0.00 | 3.97 | 4.89 | 4.02 | 4.77 | 3.73 | 2.39 | 1.46 | 4.42 |
| 02:33:05  | 7.14          | 7.00 | 8.66 | 9.03 | 5.36 | 5.62 | 0.00 | 0.00 | 3.96 | 4.88 | 3.93 | 4.76 | 3.75 | 2.37 | 1.44 | 4.35 |
| 02:34:00  | 7.17          | 7.01 | 8.68 | 9.04 | 5.36 | 5.62 | 0.00 | 0.00 | 3.96 | 4.87 | 3.88 | 4.74 | 3.81 | 2.35 | 1.41 | 4.31 |
| 02:34:55  | 7.22          | 7.06 | 8.72 | 9.08 | 5.39 | 5.66 | 0.00 | 0.00 | 3.97 | 4.91 | 3.86 | 4.79 | 3.86 | 2.37 | 1.44 | 4.32 |
| 02:35:50  | 7.23          | 7.07 | 8.72 | 9.09 | 5.39 | 5.65 | 0.00 | 0.00 | 3.99 | 4.91 | 3.83 | 4.78 | 3.89 | 2.36 | 1.42 | 4.27 |
| 02:36:45  | 7.26          | 7.09 | 8.74 | 9.12 | 5.41 | 5.66 | 0.00 | 0.00 | 3.99 | 4.93 | 3.81 | 4.81 | 3.91 | 2.35 | 1.43 | 4.23 |
| 02:37:40  | 7.31          | 7.12 | 8.77 | 9.16 | 5.44 | 5.69 | 0.00 | 0.00 | 4.02 | 4.95 | 3.81 | 4.83 | 3.94 | 2.37 | 1.42 | 4.23 |
| 02:38:35  | 7.33          | 7.16 | 8.79 | 9.17 | 5.44 | 5.70 | 0.00 | 0.00 | 4.03 | 4.95 | 3.79 | 4.83 | 3.97 | 2.35 | 1.39 | 4.23 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4     | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 02:39:30  | 7.36          | 7.17 | 8.81 | 9.19  | 5.45 | 5.71 | 0.00 | 0.00 | 4.05 | 4.97 | 3.78 | 4.83 | 3.97 | 2.35 | 1.39 | 4.19 |
| 02:40:25  | 7.41          | 7.22 | 8.86 | 9.23  | 5.48 | 5.76 | 0.00 | 0.00 | 4.08 | 4.99 | 3.79 | 4.90 | 3.99 | 2.37 | 1.39 | 4.18 |
| 02:41:20  | 7.42          | 7.25 | 8.87 | 9.25  | 5.48 | 5.76 | 0.00 | 0.00 | 4.08 | 5.02 | 3.78 | 4.97 | 3.97 | 2.34 | 1.42 | 4.13 |
| 02:42:15  | 7.45          | 7.27 | 8.88 | 9.27  | 5.51 | 5.76 | 0.00 | 0.00 | 4.10 | 5.02 | 3.78 | 5.03 | 3.97 | 2.34 | 1.38 | 4.12 |
| 02:43:10  | 7.48          | 7.29 | 8.92 | 9.29  | 5.52 | 5.78 | 0.00 | 0.00 | 4.12 | 5.04 | 3.77 | 5.07 | 3.97 | 2.33 | 1.38 | 4.09 |
| 02:44:05  | 7.51          | 7.32 | 8.94 | 9.31  | 5.54 | 5.79 | 0.00 | 0.00 | 4.12 | 5.06 | 3.76 | 5.12 | 3.97 | 2.32 | 1.37 | 4.07 |
| 02:45:00  | 7.54          | 7.34 | 8.97 | 9.36  | 5.57 | 5.82 | 0.00 | 0.00 | 4.16 | 5.08 | 3.77 | 5.16 | 3.99 | 2.31 | 1.41 | 4.06 |
| 02:45:55  | 7.56          | 7.36 | 8.97 | 9.36  | 5.56 | 5.81 | 0.00 | 0.00 | 4.17 | 5.07 | 3.75 | 5.16 | 3.97 | 2.29 | 1.35 | 4.04 |
| 02:46:50  | 7.62          | 7.41 | 9.02 | 9.41  | 5.58 | 5.86 | 0.00 | 0.00 | 4.20 | 5.11 | 3.77 | 5.21 | 3.98 | 2.30 | 1.36 | 4.05 |
| 02:47:45  | 7.64          | 7.43 | 9.03 | 9.42  | 5.61 | 5.86 | 0.00 | 0.00 | 4.21 | 5.12 | 3.76 | 5.25 | 3.97 | 2.30 | 1.38 | 4.04 |
| 02:48:40  | 7.66          | 7.45 | 9.06 | 9.44  | 5.62 | 5.87 | 0.00 | 0.00 | 4.23 | 5.15 | 3.75 | 5.29 | 3.94 | 2.30 | 1.40 | 3.99 |
| 02:49:35  | 7.69          | 7.47 | 9.08 | 9.46  | 5.62 | 5.87 | 0.00 | 0.00 | 4.24 | 5.15 | 3.75 | 5.29 | 3.92 | 2.30 | 1.36 | 4.01 |
| 02:50:30  | 7.71          | 7.48 | 9.09 | 9.47  | 5.63 | 5.88 | 0.00 | 0.00 | 4.24 | 5.16 | 3.74 | 5.29 | 3.89 | 2.28 | 1.35 | 3.99 |
| 02:51:25  | 7.75          | 7.52 | 9.12 | 9.50  | 5.64 | 5.89 | 0.00 | 0.00 | 4.26 | 5.18 | 3.73 | 5.33 | 3.87 | 2.28 | 1.35 | 3.98 |
| 02:52:20  | 7.79          | 7.56 | 9.17 | 9.53  | 5.67 | 5.93 | 0.00 | 0.00 | 4.29 | 5.21 | 3.77 | 5.37 | 3.88 | 2.30 | 1.37 | 3.98 |
| 02:53:15  | 7.82          | 7.58 | 9.18 | 9.56  | 5.70 | 5.94 | 0.00 | 0.00 | 4.31 | 5.23 | 3.77 | 5.38 | 3.86 | 2.29 | 1.36 | 3.98 |
| 02:54:10  | 7.82          | 7.58 | 9.17 | 9.56  | 5.68 | 5.92 | 0.00 | 0.00 | 4.29 | 5.24 | 3.74 | 5.38 | 3.80 | 2.25 | 1.37 | 3.94 |
| 02:55:05  | 7.87          | 7.62 | 9.23 | 9.61  | 5.73 | 5.96 | 0.00 | 0.00 | 4.34 | 5.28 | 3.77 | 5.43 | 3.79 | 2.28 | 1.41 | 3.96 |
| 02:56:00  | 7.91          | 7.66 | 9.25 | 9.63  | 5.75 | 5.99 | 0.00 | 0.00 | 4.36 | 5.30 | 3.77 | 5.44 | 3.76 | 2.29 | 1.39 | 3.94 |
| 02:56:55  | 7.92          | 7.68 | 9.26 | 9.64  | 5.75 | 5.99 | 0.00 | 0.00 | 4.37 | 5.31 | 3.76 | 5.44 | 3.64 | 2.27 | 1.39 | 3.92 |
| 02:57:50  | 7.97          | 7.72 | 9.29 | 9.67  | 5.77 | 6.02 | 0.00 | 0.00 | 4.39 | 5.33 | 3.78 | 5.47 | 3.58 | 2.30 | 1.40 | 3.94 |
| 02:58:45  | 7.97          | 7.73 | 9.32 | 9.68  | 5.79 | 6.01 | 0.00 | 0.00 | 4.41 | 5.36 | 3.76 | 5.48 | 3.51 | 2.28 | 1.39 | 3.91 |
| 02:59:40  | 8.00          | 7.76 | 9.33 | 9.70  | 5.79 | 6.02 | 0.00 | 0.00 | 4.42 | 5.37 | 3.76 | 5.48 | 3.38 | 2.28 | 1.41 | 3.91 |
| 03:00:35  | 8.03          | 7.78 | 9.35 | 9.72  | 5.80 | 6.04 | 0.00 | 0.00 | 4.44 | 5.37 | 3.77 | 5.48 | 3.27 | 2.28 | 1.38 | 3.92 |
| 03:01:30  | 8.06          | 7.79 | 9.37 | 9.74  | 5.82 | 6.06 | 0.00 | 0.00 | 4.45 | 5.38 | 3.76 | 5.49 | 3.20 | 2.28 | 1.37 | 3.91 |
| 03:02:25  | 8.09          | 7.83 | 9.39 | 9.77  | 5.84 | 6.06 | 0.00 | 0.00 | 4.47 | 5.42 | 3.77 | 5.51 | 3.16 | 2.28 | 1.43 | 3.89 |
| 03:03:20  | 8.13          | 7.87 | 9.43 | 9.81  | 5.87 | 6.11 | 0.00 | 0.00 | 4.52 | 5.44 | 3.79 | 5.52 | 3.16 | 2.31 | 1.43 | 3.91 |
| 03:04:15  | 8.16          | 7.91 | 9.46 | 9.83  | 5.88 | 6.13 | 0.00 | 0.00 | 4.53 | 5.48 | 3.79 | 5.55 | 3.12 | 2.31 | 1.43 | 3.94 |
| 03:05:10  | 8.17          | 7.91 | 9.46 | 9.83  | 5.88 | 6.12 | 0.00 | 0.00 | 4.53 | 5.48 | 3.79 | 5.51 | 3.09 | 2.31 | 1.41 | 3.91 |
| 03:06:05  | 8.19          | 7.93 | 9.48 | 9.84  | 5.88 | 6.12 | 0.00 | 0.00 | 4.53 | 5.48 | 3.76 | 5.49 | 3.06 | 2.29 | 1.39 | 3.86 |
| 03:07:00  | 8.23          | 7.97 | 9.52 | 9.88  | 5.92 | 6.16 | 0.00 | 0.00 | 4.57 | 5.53 | 3.81 | 5.48 | 3.07 | 2.32 | 1.45 | 3.88 |
| 03:07:55  | 8.26          | 7.98 | 9.52 | 9.90  | 5.92 | 6.16 | 0.00 | 0.00 | 4.58 | 5.54 | 3.80 | 5.41 | 3.04 | 2.32 | 1.42 | 3.89 |
| 03:08:50  | 8.28          | 8.02 | 9.55 | 9.92  | 5.93 | 6.17 | 0.00 | 0.00 | 4.59 | 5.56 | 3.80 | 5.29 | 3.04 | 2.33 | 1.45 | 3.88 |
| 03:09:45  | 8.31          | 8.04 | 9.58 | 9.94  | 5.95 | 6.19 | 0.00 | 0.00 | 4.61 | 5.58 | 3.81 | 5.06 | 3.04 | 2.33 | 1.42 | 3.92 |
| 03:10:40  | 8.34          | 8.08 | 9.62 | 9.98  | 5.98 | 6.21 | 0.00 | 0.00 | 4.65 | 5.61 | 3.82 | 4.69 | 3.05 | 2.35 | 1.44 | 3.92 |
| 03:11:35  | 8.36          | 8.08 | 9.59 | 9.98  | 5.96 | 6.21 | 0.00 | 0.00 | 4.65 | 5.61 | 3.81 | 4.37 | 3.02 | 2.34 | 1.40 | 3.90 |
| 03:12:30  | 8.36          | 8.11 | 9.63 | 9.99  | 5.97 | 6.20 | 0.00 | 0.00 | 4.66 | 5.63 | 3.81 | 4.19 | 3.00 | 2.33 | 1.40 | 3.88 |
| 03:13:25  | 8.43          | 8.15 | 9.67 | 10.03 | 6.02 | 6.24 | 0.00 | 0.00 | 4.71 | 5.67 | 3.83 | 4.08 | 3.03 | 2.37 | 1.45 | 3.87 |
| 03:14:20  | 8.45          | 8.17 | 9.68 | 10.04 | 6.02 | 6.26 | 0.00 | 0.00 | 4.71 | 5.67 | 3.83 | 3.98 | 3.01 | 2.36 | 1.43 | 3.91 |
| 03:15:15  | 8.33          | 8.18 | 8.92 | 10.07 | 6.03 | 6.28 | 0.00 | 0.00 | 4.69 | 5.69 | 3.82 | 3.83 | 2.98 | 2.35 | 1.36 | 2.28 |
| 03:16:10  | 6.87          | 8.22 | 7.56 | 9.93  | 6.04 | 6.28 | 0.00 | 0.00 | 4.27 | 5.70 | 3.80 | 3.39 | 2.79 | 2.27 | 1.48 | 2.13 |
| 03:17:05  | 6.28          | 8.24 | 7.00 | 9.46  | 5.96 | 6.21 | 0.00 | 0.00 | 4.09 | 5.66 | 3.80 | 3.20 | 2.73 | 2.26 | 1.45 | 1.98 |
| 03:18:00  | 5.91          | 8.22 | 6.63 | 8.96  | 5.80 | 5.99 | 0.00 | 0.00 | 3.98 | 5.57 | 3.80 | 3.08 | 2.66 | 2.22 | 1.42 | 2.09 |
| 03:18:55  | 5.59          | 8.20 | 6.38 | 8.58  | 5.71 | 5.86 | 0.00 | 0.00 | 3.93 | 5.50 | 3.82 | 3.00 | 2.63 | 2.22 | 1.40 | 2.34 |
| 03:19:50  | 5.34          | 8.12 | 6.12 | 8.21  | 5.55 | 5.70 | 0.00 | 0.00 | 3.85 | 5.37 | 3.78 | 2.88 | 2.56 | 2.21 | 1.29 | 2.46 |
| 03:20:45  | 5.16          | 8.09 | 5.96 | 7.98  | 5.49 | 5.63 | 0.00 | 0.00 | 3.85 | 5.34 | 3.83 | 2.86 | 2.58 | 2.22 | 1.33 | 2.58 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 03:21:40  | 5.05          | 8.00 | 5.76 | 7.71 | 5.38 | 5.49 | 0.00 | 0.00 | 3.79 | 5.23 | 3.81 | 2.78 | 2.53 | 2.21 | 1.31 | 2.59 |
| 03:22:35  | 5.00          | 7.95 | 5.64 | 7.54 | 5.31 | 5.42 | 0.00 | 0.00 | 3.79 | 5.18 | 3.82 | 2.73 | 2.53 | 2.22 | 1.32 | 2.68 |
| 03:23:30  | 4.93          | 7.89 | 5.51 | 7.36 | 5.22 | 5.34 | 0.00 | 0.00 | 3.77 | 5.11 | 3.82 | 2.69 | 2.51 | 2.19 | 1.31 | 2.74 |
| 03:24:25  | 4.87          | 7.81 | 5.39 | 7.18 | 5.16 | 5.24 | 0.00 | 0.00 | 3.73 | 5.05 | 3.81 | 2.65 | 2.49 | 2.19 | 1.31 | 2.79 |
| 03:25:20  | 4.84          | 7.77 | 5.29 | 7.05 | 5.12 | 5.18 | 0.00 | 0.00 | 3.72 | 5.02 | 3.82 | 2.64 | 2.49 | 2.21 | 1.34 | 2.83 |
| 03:26:15  | 4.88          | 7.69 | 5.17 | 6.92 | 5.05 | 5.12 | 0.00 | 0.00 | 3.69 | 4.95 | 3.81 | 2.61 | 2.48 | 2.19 | 1.29 | 2.91 |
| 03:27:10  | 4.88          | 7.63 | 5.08 | 6.78 | 5.00 | 5.05 | 0.00 | 0.00 | 3.67 | 4.91 | 3.81 | 2.58 | 2.45 | 2.19 | 1.31 | 2.93 |
| 03:28:05  | 4.89          | 7.59 | 5.01 | 6.68 | 4.97 | 5.00 | 0.00 | 0.00 | 3.68 | 4.88 | 3.81 | 2.58 | 2.46 | 2.19 | 1.33 | 2.97 |
| 03:29:00  | 4.89          | 7.52 | 4.92 | 6.56 | 4.92 | 4.95 | 0.00 | 0.00 | 3.66 | 4.83 | 3.81 | 2.54 | 2.44 | 2.19 | 1.31 | 3.02 |
| 03:29:55  | 4.96          | 7.47 | 4.87 | 6.43 | 4.88 | 4.89 | 0.00 | 0.00 | 3.63 | 4.79 | 3.81 | 2.53 | 2.41 | 2.19 | 1.29 | 3.16 |
| 03:30:50  | 5.11          | 7.42 | 4.79 | 6.32 | 4.83 | 4.84 | 0.00 | 0.00 | 3.62 | 4.74 | 3.78 | 2.48 | 2.41 | 2.18 | 1.32 | 3.33 |
| 03:31:45  | 5.28          | 7.39 | 4.76 | 6.22 | 4.82 | 4.84 | 0.00 | 0.00 | 3.62 | 4.73 | 3.79 | 2.52 | 2.42 | 2.19 | 1.44 | 3.91 |
| 03:32:40  | 5.43          | 7.36 | 4.69 | 6.11 | 4.78 | 4.84 | 0.00 | 0.00 | 3.60 | 4.68 | 3.79 | 2.51 | 2.41 | 2.18 | 1.46 | 4.03 |
| 03:33:35  | 5.61          | 7.34 | 4.66 | 6.01 | 4.76 | 4.84 | 0.00 | 0.00 | 3.60 | 4.66 | 3.81 | 2.53 | 2.41 | 2.19 | 1.49 | 4.12 |
| 03:34:30  | 5.77          | 7.32 | 4.64 | 5.92 | 4.76 | 4.83 | 0.00 | 0.00 | 3.60 | 4.66 | 3.81 | 2.54 | 2.43 | 2.22 | 1.53 | 4.19 |
| 03:35:25  | 5.86          | 7.26 | 4.57 | 5.76 | 4.70 | 4.77 | 0.00 | 0.00 | 3.56 | 4.59 | 3.78 | 2.51 | 2.40 | 2.18 | 1.54 | 4.16 |
| 03:36:20  | 5.99          | 7.26 | 4.56 | 5.68 | 4.69 | 4.78 | 0.00 | 0.00 | 3.57 | 4.59 | 3.79 | 2.53 | 2.41 | 2.20 | 1.56 | 4.18 |
| 03:37:15  | 6.10          | 7.26 | 4.55 | 5.61 | 4.68 | 4.79 | 0.00 | 0.00 | 3.57 | 4.58 | 3.81 | 2.54 | 2.42 | 2.20 | 1.58 | 4.21 |
| 03:38:10  | 6.19          | 7.22 | 4.51 | 5.51 | 4.67 | 4.76 | 0.00 | 0.00 | 3.56 | 4.54 | 3.81 | 2.52 | 2.39 | 2.21 | 1.59 | 4.24 |
| 03:39:05  | 6.26          | 7.22 | 4.46 | 5.43 | 4.63 | 4.73 | 0.00 | 0.00 | 3.54 | 4.50 | 3.78 | 2.52 | 2.40 | 2.19 | 1.58 | 4.24 |
| 03:40:00  | 6.34          | 7.18 | 4.43 | 5.34 | 4.62 | 4.71 | 0.00 | 0.00 | 3.52 | 4.47 | 3.78 | 2.52 | 2.39 | 2.18 | 1.59 | 4.22 |
| 03:40:55  | 6.43          | 7.19 | 4.41 | 5.28 | 4.62 | 4.71 | 0.00 | 0.00 | 3.52 | 4.45 | 3.78 | 2.54 | 2.39 | 2.19 | 1.59 | 4.28 |
| 03:41:50  | 6.52          | 7.22 | 4.41 | 5.24 | 4.62 | 4.71 | 0.00 | 0.00 | 3.54 | 4.46 | 3.81 | 2.57 | 2.40 | 2.22 | 1.63 | 4.29 |
| 03:42:45  | 6.59          | 7.22 | 4.38 | 5.17 | 4.60 | 4.69 | 0.00 | 0.00 | 3.53 | 4.43 | 3.79 | 2.56 | 2.40 | 2.21 | 1.63 | 4.28 |
| 03:43:40  | 6.63          | 7.21 | 4.34 | 5.09 | 4.58 | 4.67 | 0.00 | 0.00 | 3.51 | 4.39 | 3.78 | 2.55 | 2.38 | 2.20 | 1.62 | 4.21 |
| 03:44:35  | 6.69          | 7.21 | 4.33 | 5.04 | 4.56 | 4.66 | 0.00 | 0.00 | 3.51 | 4.37 | 3.78 | 2.53 | 2.37 | 2.20 | 1.61 | 4.34 |
| 03:45:30  | 6.76          | 7.23 | 4.32 | 5.00 | 4.57 | 4.66 | 0.00 | 0.00 | 3.51 | 4.37 | 3.79 | 2.55 | 2.38 | 2.22 | 1.64 | 4.41 |
| 03:46:25  | 6.79          | 7.23 | 4.29 | 4.94 | 4.54 | 4.64 | 0.00 | 0.00 | 3.49 | 4.34 | 3.79 | 2.56 | 2.37 | 2.21 | 1.63 | 4.44 |
| 03:47:20  | 6.87          | 7.26 | 4.28 | 4.92 | 4.55 | 4.64 | 0.00 | 0.00 | 3.49 | 4.34 | 3.81 | 2.58 | 2.39 | 2.23 | 1.64 | 4.49 |
| 03:48:15  | 6.90          | 7.26 | 4.25 | 4.85 | 4.52 | 4.61 | 0.00 | 0.00 | 3.48 | 4.31 | 3.78 | 2.55 | 2.38 | 2.22 | 1.64 | 4.46 |
| 03:49:10  | 6.98          | 7.27 | 4.25 | 4.83 | 4.53 | 4.62 | 0.00 | 0.00 | 3.49 | 4.32 | 3.79 | 2.59 | 2.39 | 2.24 | 1.67 | 4.52 |
| 03:50:05  | 6.98          | 7.27 | 4.20 | 4.75 | 4.49 | 4.58 | 0.00 | 0.00 | 3.45 | 4.26 | 3.77 | 2.56 | 2.36 | 2.21 | 1.64 | 4.50 |
| 03:51:00  | 7.04          | 7.29 | 4.18 | 4.73 | 4.49 | 4.58 | 0.00 | 0.00 | 3.46 | 4.26 | 3.78 | 2.57 | 2.36 | 2.22 | 1.61 | 4.54 |
| 03:51:55  | 7.11          | 7.33 | 4.19 | 4.71 | 4.50 | 4.59 | 0.00 | 0.00 | 3.49 | 4.25 | 3.79 | 2.59 | 2.38 | 2.24 | 1.66 | 4.56 |
| 03:52:50  | 7.14          | 7.33 | 4.16 | 4.66 | 4.48 | 4.57 | 0.00 | 0.00 | 3.46 | 4.23 | 3.78 | 2.58 | 2.37 | 2.23 | 1.63 | 4.57 |
| 03:53:45  | 7.20          | 7.37 | 4.17 | 4.64 | 4.49 | 4.58 | 0.00 | 0.00 | 3.47 | 4.23 | 3.81 | 2.61 | 2.41 | 2.26 | 1.66 | 4.58 |
| 03:54:40  | 7.24          | 7.38 | 4.14 | 4.61 | 4.47 | 4.56 | 0.00 | 0.00 | 3.46 | 4.22 | 3.79 | 2.59 | 2.38 | 2.24 | 1.63 | 4.57 |
| 03:55:35  | 7.27          | 7.40 | 4.12 | 4.57 | 4.47 | 4.54 | 0.00 | 0.00 | 3.45 | 4.21 | 3.79 | 2.59 | 2.38 | 2.25 | 1.66 | 4.57 |
| 03:56:30  | 7.31          | 7.41 | 4.11 | 4.52 | 4.46 | 4.53 | 0.00 | 0.00 | 3.44 | 4.18 | 3.79 | 2.59 | 2.37 | 2.24 | 1.64 | 4.57 |
| 03:57:25  | 7.34          | 7.44 | 4.09 | 4.50 | 4.46 | 4.53 | 0.00 | 0.00 | 3.46 | 4.17 | 3.79 | 2.59 | 2.38 | 2.25 | 1.63 | 4.58 |
| 03:58:20  | 7.40          | 7.48 | 4.08 | 4.47 | 4.44 | 4.53 | 0.00 | 0.00 | 3.46 | 4.16 | 3.80 | 2.59 | 2.37 | 2.26 | 1.62 | 4.61 |
| 03:59:15  | 7.42          | 7.48 | 4.06 | 4.43 | 4.43 | 4.51 | 0.00 | 0.00 | 3.44 | 4.13 | 3.79 | 2.59 | 2.37 | 2.25 | 1.61 | 4.60 |
| 04:00:10  | 7.45          | 7.49 | 4.04 | 4.41 | 4.43 | 4.50 | 0.00 | 0.00 | 3.43 | 4.12 | 3.78 | 2.60 | 2.36 | 2.24 | 1.61 | 4.61 |
| 04:01:05  | 7.51          | 7.53 | 4.05 | 4.41 | 4.46 | 4.51 | 0.00 | 0.00 | 3.45 | 4.13 | 3.81 | 2.64 | 2.38 | 2.27 | 1.65 | 4.66 |
| 04:02:00  | 7.56          | 7.57 | 4.06 | 4.39 | 4.46 | 4.52 | 0.00 | 0.00 | 3.48 | 4.14 | 3.81 | 2.64 | 2.41 | 2.29 | 1.65 | 4.65 |
| 04:02:55  | 7.58          | 7.59 | 4.03 | 4.35 | 4.43 | 4.49 | 0.00 | 0.00 | 3.46 | 4.13 | 3.81 | 2.64 | 2.39 | 2.28 | 1.66 | 4.64 |



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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME     | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:s | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 04:03:50 | 7.61          | 7.60 | 4.01 | 4.32 | 4.43 | 4.48 | 0.00 | 0.00 | 3.43 | 4.11 | 3.79 | 2.62 | 2.39 | 2.27 | 1.64 | 4.63 |
| 04:04:45 | 7.63          | 7.62 | 3.99 | 4.29 | 4.41 | 4.47 | 0.00 | 0.00 | 3.43 | 4.08 | 3.79 | 2.62 | 2.38 | 2.26 | 1.60 | 4.64 |
| 04:05:40 | 7.68          | 7.66 | 4.01 | 4.28 | 4.42 | 4.48 | 0.00 | 0.00 | 3.46 | 4.08 | 3.81 | 2.63 | 2.41 | 2.28 | 1.62 | 4.67 |
| 04:06:35 | 7.70          | 7.67 | 3.97 | 4.24 | 4.41 | 4.48 | 0.00 | 0.00 | 3.44 | 4.07 | 3.79 | 2.63 | 2.39 | 2.27 | 1.60 | 4.66 |
| 04:07:30 | 7.74          | 7.72 | 3.99 | 4.25 | 4.43 | 4.47 | 0.00 | 0.00 | 3.46 | 4.09 | 3.82 | 2.64 | 2.42 | 2.29 | 1.65 | 4.68 |
| 04:08:25 | 7.76          | 7.71 | 3.94 | 4.21 | 4.39 | 4.44 | 0.00 | 0.00 | 3.42 | 4.04 | 3.78 | 2.64 | 2.38 | 2.26 | 1.59 | 4.67 |
| 04:09:20 | 7.79          | 7.74 | 3.96 | 4.18 | 4.41 | 4.46 | 0.00 | 0.00 | 3.43 | 4.05 | 3.80 | 2.64 | 2.41 | 2.27 | 1.63 | 4.67 |
| 04:10:15 | 7.83          | 111  | 3.96 | 4.17 | 4.39 | 4.46 | 0.00 | 0.00 | 3.43 | 4.03 | 3.80 | 2.66 | 2.41 | 2.28 | 1.58 | 4.69 |
| 04:11:10 | 7.87          | 7.79 | 3.96 | 4.14 | 4.40 | 4.44 | 0.00 | 0.00 | 3.44 | 4.05 | 3.80 | 2.66 | 2.41 | 2.28 | 1.64 | 4.66 |
| 04:12:05 | 7.88          | 7.81 | 3.93 | 4.13 | 4.38 | 4.44 | 0.00 | 0.00 | 3.43 | 4.02 | 3.78 | 2.66 | 2.41 | 2.28 | 1.61 | 4.67 |
| 04:13:00 | 7.92          | 7.85 | 3.94 | 4.12 | 4.39 | 4.44 | 0.00 | 0.00 | 3.45 | 4.02 | 3.81 | 2.66 | 2.42 | 2.29 | 1.62 | 4.71 |
| 04:13:55 | 7.94          | 7.87 | 3.92 | 4.10 | 4.39 | AM   | 0.00 | 0.00 | 3.45 | 4.02 | 3.80 | 2.67 | 2.42 | 2.28 | 1.62 | 4.73 |
| 04:14:50 | 7.97          | 7.91 | 3.91 | 4.07 | 4.37 | 4.44 | 0.00 | 0.00 | 3.44 | 4.00 | 3.80 | 2.67 | 2.42 | 2.29 | 1.58 | 4.73 |
| 04:15:45 | 8.02          | 7.94 | 3.93 | 4.09 | 4.39 | 4.46 | 0.00 | 0.00 | 3.46 | 4.01 | 3.81 | 2.71 | 2.44 | 2.29 | 1.62 | 4.73 |
| 04:16:40 | 8.02          | 7.97 | 3.92 | 4.07 | 4.39 | 4.44 | 0.00 | 0.00 | 3.45 | 4.03 | 3.82 | 2.71 | 2.42 | 2.30 | 1.63 | 4.73 |
| 04:17:35 | 8.06          | 7.99 | 3.92 | 4.07 | 4.40 | 4.44 | 0.00 | 0.00 | 3.46 | 4.02 | 3.84 | 2.72 | 2.41 | 2.32 | 1.66 | 4.74 |
| 04:18:30 | 8.07          | 8.02 | 3.91 | 4.04 | 4.38 | 4.43 | 0.00 | 0.00 | 3.45 | 4.01 | 3.82 | 2.69 | 2.39 | 2.30 | 1.63 | 4.77 |
| 04:19:25 | 8.10          | 8.04 | 3.91 | 4.02 | 4.38 | 4.43 | 0.00 | 0.00 | 3.46 | 4.00 | 3.83 | 2.71 | 2.36 | 2.31 | 1.65 | 4.74 |
| 04:20:20 | 8.13          | 8.07 | S.91 | 4.03 | 4.39 | 4.44 | 0.00 | 0.00 | 3.46 | 4.01 | 3.84 | 2.73 | 2.38 | 2.31 | 1.64 | 4.79 |
| 04:21:15 | 8.16          | 8.10 | 3.91 | 4.01 | 4.38 | 4.44 | 0.00 | 0.00 | 3.48 | 3.99 | 3.83 | 2.73 | 2.37 | 2.32 | 1.64 | 4.76 |
| 04:22:10 | 8.17          | 8.11 | 3.89 | 3.99 | 4.36 | 4.43 | 0.00 | 0.00 | 3.47 | 3.98 | 3.83 | 2.73 | 2.35 | 2.31 | 1.61 | 4.77 |
| 04:23:05 | 8.22          | 8.15 | 3.89 | 3.99 | 4.38 | 4.43 | 0.00 | 0.00 | 3.48 | 4.00 | 3.83 | 2.74 | 2.36 | 2.32 | 1.67 | 4.76 |
| 04:24:00 | 8.23          | 8.17 | 3.88 | 3.97 | 4.38 | 4.42 | 0.00 | 0.00 | 3.46 | 3.97 | 3.83 | 2.74 | 2.36 | 2.32 | 1.62 | 4.77 |
| 04:24:55 | 8.24          | 8.19 | 3.87 | 3.96 | 4.36 | 4.41 | 0.00 | 0.00 | 3.46 | 3.97 | 3.82 | 2.73 | 2.34 | 2.31 | 1.62 | 4.76 |
| 04:25:50 | 8.26          | 8.21 | 3.86 | 3.93 | 4.35 | 4.40 | 0.00 | 0.00 | 3.44 | 3.97 | 3.81 | 2.73 | 2.34 | 2.31 | 1.65 | 4.76 |
| 04:26:45 | 8.28          | 8.24 | 3.87 | 3.94 | 4.36 | 4.40 | 0.00 | 0.00 | 3.46 | 3.98 | 3.83 | 2.74 | 2.34 | 2.33 | 1.67 | 4.77 |
| 04:27:40 | 8.31          | 8.27 | 3.86 | 3.93 | 4.36 | 4.40 | 0.00 | 0.00 | 3.47 | 3.96 | 3.83 | 2.74 | 2.33 | 2.31 | 1.64 | 4.79 |
| 04:28:35 | 8.31          | 8.28 | 3.85 | 3.92 | 4.35 | 4.39 | 0.00 | 0.00 | 3.46 | 3.96 | 3.82 | 2.74 | 2.33 | 2.31 | 1.65 | 4.77 |
| 04:29:30 | 8.33          | 8.31 | 3.85 | 3.89 | 4.34 | 4.38 | 0.00 | 0.00 | 3.45 | 3.96 | 3.82 | 2.76 | 2.33 | 2.31 | 1.66 | 4.78 |
| 04:30:25 | 8.34          | 8.32 | 3.83 | 3.89 | 4.34 | 4.37 | 0.00 | 0.00 | 3.44 | 3.94 | 3.81 | 2.74 | 2.32 | 2.30 | 1.66 | 4.78 |
| 04:31:20 | 8.37          | 8.36 | 3.85 | 3.89 | 4.35 | 4.39 | 0.00 | 0.00 | 3.46 | 3.96 | 3.82 | 2.78 | 2.34 | 2.32 | 1.70 | 4.79 |
| 04:32:15 | 8.39          | 8.39 | 3.85 | 3.88 | 4.35 | 4.39 | 0.00 | 0.00 | 3.46 | 3.94 | 3.83 | 2.78 | 2.33 | 2.32 | 1.71 | 4.78 |
| 04:33:10 | 8.41          | 8.40 | 3.85 | 3.88 | 4.34 | 4.38 | 0.00 | 0.00 | 3.47 | 3.93 | 3.83 | 2.77 | 2.32 | 2.32 | 1.69 | 4.78 |
| 04:34:05 | 8.42          | 8.44 | 3.84 | 3.86 | 4.34 | 4.37 | 0.00 | 0.00 | 3.46 | 3.93 | 3.83 | 2.78 | 2.30 | 2.32 | 1.70 | 4.78 |
| 04:35:00 | 8.44          | 8.45 | 3.83 | 3.85 | 4.33 | 4.36 | 0.00 | 0.00 | 3.46 | 3.92 | 3.82 | 2.77 | 2.32 | 2.31 | 1.66 | 4.82 |
| 04:35:55 | 8.47          | 8.49 | 3.84 | 3.87 | 4.33 | 4.38 | 0.00 | 0.00 | 3.50 | 3.93 | 3.83 | 2.78 | 2.38 | 2.34 | 1.68 | 4.81 |
| 04:36:50 | 8.49          | 8.52 | 3.83 | 3.85 | 4.34 | 4.37 | 0.00 | 0.00 | 3.48 | 3.94 | 3.83 | 2.81 | 2.39 | 2.34 | 1.71 | 4.82 |
| 04:37:45 | 8.52          | 8.53 | 3.85 | 3.86 | 4.35 | 4.39 | 0.00 | 0.00 | 3.50 | 3.93 | 3.86 | 2.81 | 2.43 | 2.36 | 1.69 | 4.83 |
| 04:38:40 | 8.53          | 8.56 | 3.85 | 3.85 | 4.34 | 4.39 | 0.00 | 0.00 | 3.50 | 3.94 | 3.85 | 2.82 | 2.44 | 2.35 | 1.70 | 4.86 |
| 04:39:35 | 8.57          | 8.61 | 3.87 | 3.87 | 4.36 | 4.40 | 0.00 | 0.00 | 3.52 | 3.96 | 3.88 | 2.82 | 2.48 | 2.37 | 1.75 | 4.86 |
| 04:40:30 | 8.56          | 8.60 | 3.84 | 3.83 | 4.33 | 4.36 | 0.00 | 0.00 | 3.49 | 3.93 | 3.85 | 2.81 | 2.44 | 2.35 | 1.73 | 4.82 |
| 04:41:25 | 8.59          | 8.66 | 3.86 | 3.85 | 4.36 | 4.39 | 0.00 | 0.00 | 3.51 | 3.94 | 3.87 | 2.83 | 2.48 | 2.37 | 1.76 | 4.86 |
| 04:42:20 | 8.60          | 8.66 | 3.84 | 3.83 | 4.34 | 4.38 | 0.00 | 0.00 | 3.50 | 3.93 | 3.86 | 2.83 | 2.49 | 2.36 | 1.71 | 4.87 |
| 04:43:15 | 8.61          | 8.68 | 3.83 | 3.82 | 4.34 | 4.36 | 0.00 | 0.00 | 3.51 | 3.93 | 3.86 | 2.82 | 2.51 | 2.35 | 1.75 | 4.83 |
| 04:44:10 | 8.62          | 8.69 | 3.83 | 3.82 | 4.34 | 4.36 | 0.00 | 0.00 | 3.51 | 3.93 | 3.84 | 2.82 | 2.51 | 2.35 | 1.74 | 4.83 |
| 04:45:05 | 8.65          | 8.74 | 3.84 | 3.82 | 4.35 | 4.38 | 0.00 | 0.00 | 3.52 | 3.93 | 3.88 | 2.84 | 2.54 | 2.36 | 1.74 | 4.90 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHII\_LER2.C32

TIME THERMOCOUPLES

| (hh:mm:s | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 04:46:00 | 8.66 | 8.76 | 3.84 | 3.82 | 4.35 | 4.38 | 0.00 | 0.00 | 3.52 | 3.94 | 3.88 | 2.86 | 2.56 | 2.36 | 1.75 | 4.90 |
| 04:46:55 | 8.67 | 8.76 | 3.83 | 3.80 | 4.32 | 4.35 | 0.00 | 0.00 | 3.52 | 3.93 | 3.86 | 2.83 | 2.56 | 2.35 | 1.74 | 4.87 |
| 04:47:50 | 8.69 | 8.78 | 3.84 | 3.80 | 4.32 | 4.36 | 0.00 | 0.00 | 3.51 | 3.93 | 3.85 | 2.84 | 2.56 | 2.35 | 1.75 | 4.87 |
| 04:48:45 | 8.70 | 8.79 | 3.84 | 3.79 | 4.32 | 4.35 | 0.00 | 0.00 | 3.50 | 3.91 | 3.85 | 2.86 | 2.57 | 2.35 | 1.76 | 4.87 |
| 04:49:40 | 8.73 | 8.84 | 3.86 | 3.81 | 4.35 | 4.36 | 0.00 | 0.00 | 3.55 | 3.94 | 3.87 | 2.87 | 2.60 | 2.37 | 1.79 | 4.91 |
| 04:50:35 | 8.73 | 8.85 | 3.85 | 3.79 | 4.33 | 4.36 | 0.00 | 0.00 | 3.52 | 3.94 | 3.87 | 2.88 | 2.62 | 2.36 | 1.79 | 4.94 |
| 04:51:30 | 8.74 | 8.88 | 3.85 | 3.79 | 4.32 | 4.36 | 0.00 | 0.00 | 3.52 | 3.92 | 3.86 | 2.87 | 2.62 | 2.37 | 1.77 | 4.92 |
| 04:52:25 | 8.74 | 8.87 | 3.83 | 3.77 | 4.32 | 4.34 | 0.00 | 0.00 | 3.51 | 3.91 | 3.86 | 2.88 | 2.62 | 2.35 | 1.76 | 4.94 |
| 04:53:20 | 8.77 | 8.90 | 3.83 | 3.77 | 4.32 | 4.35 | 0.00 | 0.00 | 3.52 | 3.91 | 3.85 | 2.87 | 2.64 | 2.36 | 1.74 | 4.97 |
| 04:54:15 | 8.78 | 8.94 | 3.84 | 3.79 | 4.33 | 4.36 | 0.00 | 0.00 | 3.55 | 3.94 | 3.87 | 2.90 | 2.67 | 2.39 | 1.79 | 4.96 |
| 04:55:10 | 8.78 | 8.94 | 3.83 | 3.76 | 4.32 | 4.34 | 0.00 | 0.00 | 3.52 | 3.92 | 3.85 | 2.89 | 2.66 | 2.37 | 1.79 | 4.96 |
| 04:56:05 | 8.81 | 8.98 | 3.84 | 3.78 | 4.32 | 4.36 | 0.00 | 0.00 | 3.53 | 3.94 | 3.87 | 2.90 | 2.68 | 2.37 | 1.79 | 5.01 |
| 04:57:00 | 8.81 | 8.98 | 3.84 | 3.77 | 4.32 | 4.35 | 0.00 | 0.00 | 3.55 | 3.92 | 3.86 | 2.89 | 2.69 | 2.37 | 1.77 | 4.99 |
| 04:57:55 | 8.82 | 9.02 | 3.84 | 3.77 | 4.32 | 4.36 | 0.00 | 0.00 | 3.55 | 3.93 | 3.86 | 2.90 | 2.70 | 2.38 | 1.78 | 5.02 |
| 04:58:50 | 8.83 | 9.03 | 3.85 | 3.76 | 4.31 | 4.34 | 0.00 | 0.00 | 3.54 | 3.92 | 3.85 | 2.90 | 2.70 | 2.37 | 1.79 | 4.99 |
| 04:59:45 | 8.87 | 9.06 | 3.87 | 3.79 | 4.33 | 4.38 | 0.00 | 0.00 | 3.57 | 3.94 | 3.87 | 2.95 | 2.74 | 2.39 | 1.82 | 5.04 |
| 05:00:40 | 8.87 | 9.06 | 3.86 | 3.78 | 4.32 | 4.36 | 0.00 | 0.00 | 3.57 | 3.94 | 3.87 | 2.94 | 2.74 | 2.40 | 1.80 | 5.04 |
| 05:01:35 | 8.88 | 9.10 | 3.86 | 3.77 | 4.33 | 4.36 | 0.00 | 0.00 | 3.57 | 3.94 | 3.87 | 2.94 | 2.74 | 2.40 | 1.83 | 5.04 |
| 05:02:30 | 8.86 | 9.09 | 3.83 | 3.73 | 4.29 | 4.32 | 0.00 | 0.00 | 3.54 | 3.92 | 3.84 | 2.89 | 2.73 | 2.37 | 1.77 | 4.99 |
| 05:03:25 | 8.90 | 9.12 | 3.86 | 3.76 | 4.32 | 4.34 | 0.00 | 0.00 | 3.57 | 3.94 | 3.87 | 2.95 | 2.77 | 2.39 | 1.84 | 5.02 |
| 05:04:20 | 8.89 | 9.14 | 3.85 | 3.76 | 4.31 | 4.33 | 0.00 | 0.00 | 3.57 | 3.93 | 3.85 | 2.92 | 2.77 | 2.37 | 1.81 | 5.03 |
| 05:05:15 | 8.90 | 9.16 | 3.86 | 3.74 | 4.31 | 4.33 | 0.00 | 0.00 | 3.56 | 3.93 | 3.85 | 2.92 | 2.77 | 2.37 | 1.80 | 5.02 |
| 05:06:10 | 8.94 | 9.18 | 3.88 | 3.77 | 4.32 | 4.36 | 0.00 | 0.00 | 3.58 | 3.95 | 3.87 | 2.95 | 2.79 | 2.39 | 1.82 | 5.03 |
| 05:07:05 | 8.95 | 9.21 | 3.88 | 3.77 | 4.32 | 4.36 | 0.00 | 0.00 | 3.58 | 3.95 | 3.86 | 2.95 | 2.79 | 2.40 | 1.84 | 5.06 |
| 05:08:00 | 8.95 | 9.23 | 3.86 | 3.77 | 4.32 | 4.33 | 0.00 | 0.00 | 3.58 | 3.95 | 3.86 | 2.94 | 2.81 | 2.40 | 1.81 | 5.04 |
| 05:08:55 | 8.95 | 9.23 | 3.85 | 3.76 | 4.29 | 4.33 | 0.00 | 0.00 | 3.57 | 3.94 | 3.86 | 2.93 | 2.79 | 2.38 | 1.84 | 4.99 |
| 05:09:50 | 8.99 | 9.27 | 3.88 | 3.78 | 4.32 | 4.36 | 0.00 | 0.00 | 3.60 | 3.97 | 3.89 | 2.97 | 2.83 | 2.42 | 1.83 | 5.05 |
| 05:10:45 | 8.97 | 9.24 | 3.86 | 3.76 | 4.29 | 4.32 | 0.00 | 0.00 | 3.58 | 3.95 | 3.86 | 2.94 | 2.79 | 2.39 | 1.86 | 4.99 |
| 05:11:40 | 8.99 | 9.28 | 3.89 | 3.77 | 4.31 | 4.36 | 0.00 | 0.00 | 3.60 | 3.97 | 3.87 | 2.96 | 2.83 | 2.40 | 1.84 | 5.05 |
| 05:12:35 | 8.99 | 9.29 | 3.87 | 3.76 | 4.31 | 4.33 | 0.00 | 0.00 | 3.59 | 3.97 | 3.87 | 2.94 | 2.81 | 2.39 | 1.87 | 5.03 |
| 05:13:30 | 8.99 | 9.29 | 3.86 | 3.77 | 4.29 | 4.33 | 0.00 | 0.00 | 3.59 | 3.95 | 3.86 | 2.94 | 2.81 | 2.39 | 1.84 | 5.06 |
| 05:14:25 | 9.03 | 9.33 | 3.89 | 3.78 | 4.31 | 4.36 | 0.00 | 0.00 | 3.61 | 3.99 | 3.88 | 2.96 | 2.83 | 2.41 | 1.89 | 5.04 |
| 05:15:20 | 9.02 | 9.32 | 3.86 | 3.76 | 4.29 | 4.33 | 0.00 | 0.00 | 3.60 | 3.96 | 3.85 | 2.95 | 2.79 | 2.38 | 1.86 | 5.04 |
| 05:16:15 | 9.04 | 9.37 | 3.89 | 3.77 | 4.31 | 4.36 | 0.00 | 0.00 | 3.61 | 3.97 | 3.88 | 2.97 | 2.83 | 2.40 | 1.86 | 5.08 |
| 05:17:10 | 9.03 | 9.38 | 3.88 | 3.77 | 4.29 | 4.34 | 0.00 | 0.00 | 3.61 | 3.97 | 3.86 | 2.96 | 2.82 | 2.39 | 1.84 | 5.06 |
| 05:18:05 | 9.03 | 9.38 | 3.88 | 3.74 | 4.29 | 4.34 | 0.00 | 0.00 | 3.61 | 3.95 | 3.87 | 2.96 | 2.82 | 2.39 | 1.84 | 5.05 |
| 05:19:00 | 9.06 | 9.40 | 3.89 | 3.77 | 4.29 | 4.33 | 0.00 | 0.00 | 3.61 | 3.98 | 3.88 | 2.98 | 2.82 | 2.40 | 1.88 | 5.06 |
| 05:19:55 | 9.06 | 9.43 | 3.90 | 3.77 | 4.31 | 4.34 | 0.00 | 0.00 | 3.61 | 3.97 | 3.88 | 2.96 | 2.83 | 2.41 | 1.86 | 5.08 |
| 05:20:50 | 9.06 | 9.43 | 3.90 | 3.77 | 4.29 | 4.34 | 0.00 | 0.00 | 3.62 | 3.98 | 3.88 | 2.97 | 2.82 | 2.41 | 1.88 | 5.07 |
| 05:21:45 | 9.09 | 9.47 | 3.92 | 3.78 | 4.31 | 4.37 | 0.00 | 0.00 | 3.64 | 3.99 | 3.91 | 2.99 | 2.84 | 2.42 | 1.88 | 5.09 |
| 05:22:40 | 9.06 | 9.46 | 3.89 | 3.76 | 4.29 | 4.34 | 0.00 | 0.00 | 3.62 | 3.97 | 3.87 | 2.95 | 2.83 | 2.38 | 1.88 | 5.06 |
| 05:23:35 | 9.09 | 9.48 | 3.92 | 3.78 | 4.29 | 4.36 | 0.00 | 0.00 | 3.65 | 3.98 | 3.89 | 2.97 | 2.84 | 2.41 | 1.88 | 5.06 |
| 05:24:30 | 9.10 | 9.49 | 3.91 | 3.78 | 4.29 | 4.36 | 0.00 | 0.00 | 3.64 | 3.99 | 3.90 | 2.98 | 2.84 | 2.40 | 1.89 | 5.07 |
| 05:25:25 | 9.09 | 9.51 | 3.91 | 3.77 | 4.29 | 4.36 | 0.00 | 0.00 | 3.66 | 3.98 | 3.90 | 2.97 | 2.84 | 2.41 | 1.87 | 5.08 |
| 05:26:20 | 9.11 | 9.51 | 3.90 | 3.77 | 4.28 | 4.34 | 0.00 | 0.00 | 3.64 | 3.99 | 3.90 | 2.99 | 2.84 | 2.39 | 1.89 | 5.06 |
| 05:27:15 | 9.12 | 9.52 | 3.91 | 3.77 | 4.29 | 4.34 | 0.00 | 0.00 | 3.65 | 4.00 | 3.91 | 2.98 | 2.84 | 2.40 | 1.91 | 5.05 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

### TIME THERMOCOUPLES

| (hh:mm:ss | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | g    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 05:28:10  | 9.14 | 9.55 | 3.92 | 3.78 | 4.29 | 4.34 | 0.00 | 0.00 | 3.66 | 4.00 | 3.92 | 3.01 | 2.86 | 2.41 | 1.93 | 5.09 |
| 05:29:05  | 9.13 | 9.55 | 3.91 | 3.77 | 4.28 | 4.33 | 0.00 | 0.00 | 3.66 | 3.99 | 3.91 | 3.00 | 2.84 | 2.40 | 1.91 | 5.06 |
| 05:30:00  | 9.15 | 9.58 | 3.93 | 3.78 | 4.30 | 4.37 | 0.00 | 0.00 | 3.68 | 4.00 | 3.93 | 3.00 | 2.87 | 2.42 | 1.89 | 5.07 |
| 05:30:55  | 9.16 | 9.59 | 3.93 | 3.78 | 4.31 | 4.36 | 0.00 | 0.00 | 3.68 | 3.99 | 3.93 | 3.01 | 2.87 | 2.41 | 1.89 | 5.09 |
| 05:31:50  | 9.18 | 9.62 | 3.94 | 3.79 | 4.29 | 4.37 | 0.00 | 0.00 | 3.70 | 3.99 | 3.95 | 3.00 | 2.88 | 2.44 | 1.89 | 5.10 |
| 05:32:45  | 9.17 | 9.62 | 3.94 | 3.78 | 4.30 | 4.36 | 0.00 | 0.00 | 3.68 | 3.99 | 3.94 | 3.01 | 2.88 | 2.42 | 1.93 | 5.09 |
| 05:33:40  | 9.18 | 9.63 | 3.94 | 3.78 | 4.29 | 4.36 | 0.00 | 0.00 | 3.69 | 3.98 | 3.94 | 2.99 | 2.87 | 2.42 | 1.91 | 5.07 |
| 05:34:35  | 9.18 | 9.65 | 3.95 | 3.79 | 4.30 | 4.36 | 0.00 | 0.00 | 3.70 | 3.99 | 3.95 | 3.02 | 2.89 | 2.42 | 1.94 | 5.10 |
| 05:35:30  | 9.17 | 9.65 | 3.94 | 3.78 | 4.29 | 4.34 | 0.00 | 0.00 | 3.69 | 3.99 | 3.94 | 2.99 | 2.87 | 2.41 | 1.94 | 5.06 |
| 05:36:25  | 9.20 | 9.69 | 3.96 | 3.79 | 4.31 | 4.37 | 0.00 | 0.00 | 3.71 | 4.00 | 3.96 | 3.03 | 2.88 | 2.42 | 1.94 | 5.09 |
| 05:37:20  | 9.19 | 9.68 | 3.93 | 3.78 | 4.29 | 4.34 | 0.00 | 0.00 | 3.70 | 3.98 | 3.95 | 3.00 | 2.88 | 2.41 | 1.93 | 5.07 |
| 05:38:15  | 9.21 | 9.71 | 3.96 | 3.79 | 4.30 | 4.37 | 0.00 | 0.00 | 3.72 | 4.00 | 3.97 | 3.02 | 2.91 | 2.44 | 1.93 | 5.12 |
| 05:39:10  | 9.20 | 9.73 | 3.96 | 3.79 | 4.29 | 4.36 | 0.00 | 0.00 | 3.70 | 3.99 | 3.98 | 3.01 | 2.89 | 2.43 | 1.91 | 5.13 |
| 05:40:05  | 9.22 | 9.74 | 3.98 | 3.81 | 4.30 | 4.37 | 0.00 | 0.00 | 3.72 | 4.01 | 3.99 | 3.04 | 2.91 | 2.43 | 1.94 | 5.16 |
| 05:41:00  | 9.19 | 9.69 | 3.94 | 3.77 | 4.27 | 4.32 | 0.00 | 0.00 | 3.68 | 3.98 | 3.95 | 2.98 | 2.87 | 2.40 | 1.94 | 5.09 |
| 05:41:55  | 9.20 | 9.73 | 3.95 | 3.79 | 4.27 | 4.34 | 0.00 | 0.00 | 3.71 | 3.97 | 3.97 | 2.99 | 2.89 | 2.42 | 1.91 | 5.13 |
| 05:42:50  | 9.22 | 9.76 | 3.98 | 3.81 | 4.28 | 4.36 | 0.00 | 0.00 | 3.72 | 3.99 | 3.98 | 3.01 | 2.91 | 2.42 | 1.92 | 5.16 |
| 05:43:45  | 9.23 | 9.77 | 3.97 | 3.79 | 4.29 | 4.34 | 0.00 | 0.00 | 3.72 | 3.99 | 3.98 | 3.01 | 2.91 | 2.42 | 1.96 | 5.12 |
| 05:44:40  | 9.22 | 9.76 | 3.96 | 3.79 | 4.27 | 4.33 | 0.00 | 0.00 | 3.70 | 3.98 | 3.96 | 3.01 | 2.89 | 2.41 | 1.94 | 5.13 |
| 05:45:35  | 9.23 | 9.77 | 3.97 | 3.81 | 4.29 | 4.34 | 0.00 | 0.00 | 3.73 | 4.01 | 3.97 | 3.01 | 2.93 | 2.42 | 1.97 | 5.12 |
| 05:46:30  | 9.24 | 9.80 | 4.00 | 3.82 | 4.30 | 4.38 | 0.00 | 0.00 | 3.74 | 4.02 | 4.00 | 3.03 | 2.94 | 2.44 | 1.94 | 5.18 |
| 05:47:25  | 9.23 | 9.81 | 3.97 | 3.81 | 4.28 | 4.36 | 0.00 | 0.00 | 3.74 | 4.00 | 3.98 | 3.01 | 2.94 | 2.42 | 1.93 | 5.17 |
| 05:48:20  | 9.26 | 9.83 | 4.01 | 3.82 | 4.31 | 4.37 | 0.00 | 0.00 | 3.76 | 4.02 | 4.01 | 3.02 | 2.96 | 2.44 | 1.98 | 5.16 |
| 05:49:15  | 9.25 | 9.83 | 3.99 | 3.82 | 4.30 | 4.36 | 0.00 | 0.00 | 3.75 | 4.02 | 3.99 | 3.03 | 2.96 | 2.43 | 1.95 | 5.19 |
| 05:50:10  | 9.22 | 9.85 | 4.00 | 3.83 | 4.31 | 4.35 | 0.00 | 0.00 | 3.77 | 4.04 | 4.02 | 3.03 | 2.97 | 2.44 | 1.99 | 5.18 |
| 05:51:05  | 9.05 | 9.86 | 4.00 | 3.82 | 4.30 | 4.36 | 0.00 | 0.00 | 3.77 | 4.02 | 4.01 | 3.02 | 2.97 | 2.44 | 1.96 | 5.21 |
| 05:52:00  | 8.88 | 9.86 | 3.99 | 3.82 | 4.29 | 4.34 | 0.00 | 0.00 | 3.75 | 4.02 | 4.00 | 3.02 | 2.97 | 2.42 | 1.99 | 5.22 |
| 05:52:55  | 8.73 | 9.85 | 3.99 | 3.80 | 4.27 | 4.34 | 0.00 | 0.00 | 3.75 | 4.01 | 3.98 | 2.98 | 2.97 | 2.39 | 1.94 | 5.20 |
| 05:53:50  | 8.60 | 9.88 | 4.01 | 3.83 | 4.29 | 4.35 | 0.00 | 0.00 | 3.78 | 4.02 | 4.01 | 3.02 | 2.99 | 2.39 | 1.96 | 5.24 |
| 05:54:45  | 8.48 | 9.88 | 4.00 | 3.82 | 4.27 | 4.34 | 0.00 | 0.00 | 3.76 | 4.02 | 3.99 | 3.01 | 2.98 | 2.38 | 1.96 | 5.24 |
| 05:55:40  | 8.40 | 9.89 | 4.01 | 3.83 | 4.30 | 4.35 | 0.00 | 0.00 | 3.79 | 4.06 | 4.02 | 2.98 | 3.01 | 2.38 | 2.02 | 5.23 |
| 05:56:35  | 8.29 | 9.90 | 4.02 | 3.83 | 4.29 | 4.34 | 0.00 | 0.00 | 3.78 | 4.05 | 4.02 | 2.96 | 3.02 | 2.38 | 1.99 | 5.23 |
| 05:57:30  | 8.19 | 9.89 | 4.01 | 3.83 | 4.28 | 4.35 | 0.00 | 0.00 | 3.78 | 4.04 | 3.99 | 2.96 | 3.02 | 2.36 | 1.96 | 5.26 |
| 05:58:25  | 8.09 | 9.85 | 3.98 | 3.80 | 4.25 | 4.31 | 0.00 | 0.00 | 3.75 | 4.01 | 3.97 | 2.96 | 2.98 | 2.33 | 1.97 | 5.22 |
| 05:59:20  | 8.03 | 9.87 | 4.01 | 3.82 | 4.28 | 4.33 | 0.00 | 0.00 | 3.77 | 4.03 | 4.00 | 2.98 | 3.02 | 2.36 | 1.98 | 5.23 |
| 06:00:15  | 7.94 | 9.85 | 3.99 | 3.81 | 4.27 | 4.31 | 0.00 | 0.00 | 3.76 | 4.03 | 3.99 | 2.98 | 3.01 | 2.34 | 1.98 | 5.22 |
| 06:01:10  | 7.87 | 9.86 | 4.01 | 3.83 | 4.27 | 4.33 | 0.00 | 0.00 | 3.78 | 4.02 | 4.00 | 2.99 | 3.02 | 2.34 | 1.96 | 5.27 |
| 06:02:05  | 7.81 | 9.85 | 4.00 | 3.82 | 4.26 | 4.32 | 0.00 | 0.00 | 3.78 | 4.03 | 3.99 | 2.99 | 3.02 | 2.34 | 1.97 | 5.22 |
| 06:03:00  | 7.74 | 9.85 | 4.02 | 3.84 | 4.27 | 4.34 | 0.00 | 0.00 | 3.79 | 4.05 | 4.01 | 3.02 | 3.06 | 2.36 | 2.01 | 5.24 |
| 06:03:55  | 7.66 | 9.82 | 4.00 | 3.82 | 4.24 | 4.32 | 0.00 | 0.00 | 3.78 | 4.03 | 3.99 | 2.98 | 3.03 | 2.34 | 1.95 | 5.23 |
| 06:04:50  | 7.61 | 9.82 | 4.03 | 3.83 | 4.26 | 4.33 | 0.00 | 0.00 | 3.79 | 4.06 | 3.99 | 2.98 | 3.06 | 2.34 | 2.01 | 5.24 |
| 06:05:45  | 7.54 | 9.82 | 4.03 | 3.83 | 4.26 | 4.32 | 0.00 | 0.00 | 3.79 | 4.06 | 4.00 | 2.98 | 3.06 | 2.34 | 2.02 | 5.26 |
| 06:06:40  | 7.47 | 9.79 | 4.01 | 3.82 | 4.26 | 4.32 | 0.00 | 0.00 | 3.78 | 4.04 | 3.99 | 2.95 | 3.07 | 2.34 | 1.97 | 5.27 |
| 06:07:35  | 7.43 | 9.79 | 4.02 | 3.83 | 4.27 | 4.32 | 0.00 | 0.00 | 3.78 | 4.06 | 3.99 | 2.94 | 3.07 | 2.34 | 2.01 | 5.24 |
| 06:08:30  | 7.37 | 9.78 | 4.02 | 3.83 | 4.26 | 4.32 | 0.00 | 0.00 | 3.79 | 4.06 | 3.99 | 2.94 | 3.08 | 2.34 | 2.01 | 5.26 |
| 06:09:25  | 7.33 | 9.78 | 4.04 | 3.84 | 4.27 | 4.33 | 0.00 | 0.00 | 3.81 | 4.08 | 4.01 | 2.96 | 3.11 | 2.36 | 2.02 | 5.24 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 06:10:20  | 7.28          | 9.77 | 4.03 | 3.84 | 4.28 | 4.34 | 0.00 | 0.00 | 3.81 | 4.09 | 4.01 | 2.95 | 3.12 | 2.36 | 2.03 | 5.23 |
| 06:11:15  | 7.21          | 9.74 | 4.01 | 3.83 | 4.26 | 4.32 | 0.00 | 0.00 | 3.80 | 4.06 | 3.98 | 2.91 | 3.10 | 2.34 | 1.99 | 5.20 |
| 06:12:10  | 7.18          | 9.75 | 4.05 | 3.87 | 4.29 | 4.35 | 0.00 | 0.00 | 3.83 | 4.10 | 4.01 | 2.93 | 3.12 | 2.37 | 2.02 | 5.22 |
| 06:13:05  | 7.11          | 9.73 | 4.02 | 3.84 | 4.26 | 4.32 | 0.00 | 0.00 | 3.82 | 4.09 | 4.00 | 2.73 | 3.12 | 2.34 | 2.00 | 5.18 |
| 06:14:00  | 7.03          | 9.68 | 3.99 | 3.83 | 4.23 | 4.30 | 0.00 | 0.00 | 3.78 | 4.07 | 3.97 | 2.68 | 3.09 | 2.32 | 1.99 | 5.16 |
| 06:14:55  | 7.02          | 9.69 | 4.02 | 3.86 | 4.26 | 4.33 | 0.00 | 0.00 | 3.81 | 4.09 | 4.00 | 2.67 | 3.13 | 2.34 | 2.02 | 5.19 |
| 06:15:50  | 6.95          | 9.66 | 4.00 | 3.83 | 4.25 | 4.31 | 0.00 | 0.00 | 3.79 | 4.08 | 3.96 | 2.64 | 3.12 | 2.33 | 1.98 | 5.20 |
| 06:16:45  | 6.79          | 9.65 | 4.00 | 3.84 | 4.24 | 4.33 | 0.00 | 0.00 | 3.80 | 4.09 | 3.96 | 2.63 | 3.15 | 2.34 | 1.95 | 5.21 |
| 06:17:40  | 6.70          | 9.64 | 4.02 | 3.84 | 4.25 | 4.33 | 0.00 | 0.00 | 3.80 | 4.10 | 3.93 | 2.63 | 3.15 | 2.34 | 1.98 | 5.18 |
| 06:18:35  | 6.63          | 9.65 | 4.03 | 3.84 | 4.25 | 4.34 | 0.00 | 0.00 | 3.82 | 4.13 | 3.92 | 2.64 | 3.18 | 2.36 | 1.99 | 5.20 |
| 06:19:30  | 6.56          | 9.59 | 3.99 | 3.80 | 4.23 | 4.32 | 0.00 | 0.00 | 3.78 | 4.11 | 3.88 | 2.61 | 3.15 | 2.34 | 1.97 | 5.17 |
| 06:20:25  | 6.51          | 9.59 | 4.01 | 3.81 | 4.25 | 4.32 | 0.00 | 0.00 | 3.79 | 4.14 | 3.87 | 2.63 | 3.17 | 2.34 | 2.00 | 5.18 |
| 06:21:20  | 6.46          | 9.58 | 4.00 | 3.81 | 4.24 | 4.31 | 0.00 | 0.00 | 3.79 | 4.14 | 3.84 | 2.63 | 3.18 | 2.34 | 1.98 | 5.20 |
| 06:22:15  | 6.44          | 9.59 | 4.04 | 3.83 | 4.24 | 4.34 | 0.00 | 0.00 | 3.83 | 4.17 | 3.87 | 2.68 | 3.20 | 2.38 | 1.99 | 5.22 |
| 06:23:10  | 6.37          | 9.57 | 4.01 | 3.82 | 4.23 | 4.28 | 0.00 | 0.00 | 3.79 | 4.17 | 3.83 | 2.68 | 3.20 | 2.37 | 1.99 | 5.19 |
| 06:24:05  | 6.33          | 9.54 | 4.01 | 3.81 | 4.23 | 4.27 | 0.00 | 0.00 | 3.80 | 4.17 | 3.81 | 2.69 | 3.20 | 2.37 | 1.99 | 5.17 |
| 06:25:00  | 6.29          | 9.54 | 4.01 | 3.81 | 4.23 | 4.26 | 0.00 | 0.00 | 3.81 | 4.18 | 3.80 | 2.69 | 3.22 | 2.37 | 1.99 | 5.15 |
| 06:25:55  | 6.27          | 9.54 | 4.02 | 3.81 | 4.23 | 4.25 | 0.00 | 0.00 | 3.80 | 4.19 | 3.81 | 2.68 | 3.22 | 2.37 | 1.99 | 5.20 |
| 06:26:50  | 6.25          | 9.53 | 4.04 | 3.83 | 4.25 | 4.26 | 0.00 | 0.00 | 3.81 | 4.22 | 3.82 | 2.71 | 3.26 | 2.41 | 2.03 | 5.19 |
| 06:27:45  | 6.19          | 9.48 | 4.01 | 3.80 | 4.23 | 4.23 | 0.00 | 0.00 | 3.78 | 4.21 | 3.80 | 2.69 | 3.24 | 2.38 | 2.01 | 5.16 |
| 06:28:40  | 6.16          | 9.50 | 4.02 | 3.80 | 4.24 | 4.23 | 0.00 | 0.00 | 3.77 | 4.21 | 3.81 | 2.68 | 3.24 | 2.39 | 2.02 | 5.16 |
| 06:29:35  | 6.11          | 9.47 | 4.01 | 3.79 | 4.23 | 4.22 | 0.00 | 0.00 | 3.76 | 4.21 | 3.79 | 2.67 | 3.24 | 2.38 | 2.01 | 5.15 |
| 06:30:30  | 6.07          | 9.46 | 4.02 | 3.79 | 4.22 | 4.22 | 0.00 | 0.00 | 3.76 | 4.19 | 3.80 | 2.68 | 3.24 | 2.38 | 1.97 | 5.19 |
| 06:31:25  | 5.99          | 9.41 | 3.99 | 3.77 | 4.21 | 4.19 | 0.00 | 0.00 | 3.73 | 4.18 | 3.77 | 2.66 | 3.21 | 2.37 | 1.95 | 5.14 |
| 06:32:20  | 5.98          | 9.39 | 3.97 | 3.76 | 4.21 | 4.19 | 0.00 | 0.00 | 3.73 | 4.18 | 3.76 | 2.67 | 3.21 | 2.37 | 1.98 | 5.13 |
| 06:33:15  | 5.97          | 9.41 | 4.02 | 3.80 | 4.23 | 4.22 | 0.00 | 0.00 | 3.75 | 4.22 | 3.79 | 2.73 | 3.24 | 2.39 | 2.03 | 5.16 |
| 06:34:10  | 5.92          | 9.37 | 3.97 | 3.77 | 4.19 | 4.23 | 0.00 | 0.00 | 3.71 | 4.18 | 3.76 | 2.68 | 3.22 | 2.33 | 1.96 | 5.16 |
| 06:35:05  | 5.92          | 9.37 | 4.00 | 3.79 | 4.23 | 4.29 | 0.00 | 0.00 | 3.73 | 4.21 | 3.78 | 2.72 | 3.24 | 2.34 | 1.99 | 5.18 |
| 06:36:00  | 5.85          | 9.37 | 4.00 | 3.80 | 4.23 | 4.31 | 0.00 | 0.00 | 3.73 | 4.23 | 3.78 | 2.73 | 3.24 | 2.34 | 2.02 | 4.85 |
| 06:36:55  | 5.70          | 9.34 | 4.01 | 3.79 | 4.23 | 4.33 | 0.00 | 0.00 | 3.72 | 4.23 | 3.79 | 2.76 | 3.24 | 2.32 | 2.03 | 5.14 |
| 06:37:50  | 5.57          | 9.33 | 3.99 | 3.79 | 4.22 | 4.34 | 0.00 | 0.00 | 3.71 | 4.23 | 3.78 | 2.80 | 3.24 | 2.32 | 2.03 | 5.14 |
| 06:38:45  | 5.58          | 9.33 | 3.99 | 3.79 | 4.22 | 4.35 | 0.00 | 0.00 | 3.73 | 4.21 | 3.73 | 2.79 | 3.24 | 2.30 | 2.01 | 5.13 |
| 06:39:40  | 5.60          | 9.30 | 3.98 | 3.78 | 4.22 | 4.34 | 0.00 | 0.00 | 3.71 | 4.22 | 3.69 | 2.79 | 3.23 | 2.29 | 2.00 | 5.12 |
| 06:40:35  | 5.59          | 9.30 | 3.99 | 3.78 | 4.22 | 4.35 | 0.00 | 0.00 | 3.70 | 4.21 | 3.68 | 2.81 | 3.24 | 2.29 | 2.00 | 5.15 |
| 06:41:30  | 5.57          | 9.28 | 3.98 | 3.78 | 4.21 | 4.36 | 0.00 | 0.00 | 3.70 | 4.22 | 3.66 | 2.80 | 3.24 | 2.29 | 2.00 | 5.14 |
| 06:42:25  | 5.56          | 9.26 | 3.98 | 3.78 | 4.21 | 4.36 | 0.00 | 0.00 | 3.70 | 4.21 | 3.66 | 2.77 | 3.23 | 2.29 | 1.99 | 5.14 |
| 06:43:20  | 5.53          | 9.25 | 3.98 | 3.78 | 4.22 | 4.37 | 0.00 | 0.00 | 3.68 | 4.23 | 3.66 | 2.76 | 3.23 | 2.29 | 2.02 | 5.11 |
| 06:44:15  | 5.52          | 9.23 | 3.97 | 3.78 | 4.21 | 4.36 | 0.00 | 0.00 | 3.68 | 4.22 | 3.66 | 2.82 | 3.24 | 2.28 | 2.02 | 5.12 |
| 06:45:10  | 5.48          | 9.21 | 3.96 | 3.79 | 4.18 | 4.37 | 0.00 | 0.00 | 3.66 | 4.21 | 3.66 | 2.85 | 3.23 | 2.28 | 1.98 | 5.14 |
| 06:46:05  | 5.47          | 9.19 | 3.96 | 3.78 | 4.21 | 4.36 | 0.00 | 0.00 | 3.68 | 4.21 | 3.66 | 2.87 | 3.22 | 2.28 | 2.00 | 5.10 |
| 06:47:00  | 5.48          | 9.20 | 3.98 | 3.82 | 4.22 | 4.39 | 0.00 | 0.00 | 3.68 | 4.24 | 3.69 | 2.94 | 3.24 | 2.31 | 2.03 | 5.14 |
| 06:47:55  | 5.46          | 9.18 | 3.97 | 3.81 | 4.21 | 4.38 | 0.00 | 0.00 | 3.68 | 4.23 | 3.67 | 2.97 | 3.24 | 2.29 | 2.02 | 5.12 |
| 06:48:50  | 5.41          | 9.14 | 3.96 | 3.78 | 4.19 | 4.36 | 0.00 | 0.00 | 3.66 | 4.21 | 3.66 | 2.94 | 3.23 | 2.28 | 1.97 | 5.11 |
| 06:49:45  | 5.42          | 9.16 | 3.97 | 3.82 | 4.22 | 4.39 | 0.00 | 0.00 | 3.68 | 4.24 | 3.69 | 2.98 | 3.26 | 2.31 | 2.02 | 5.12 |
| 06:50:40  | 5.40          | 9.16 | 3.98 | 3.82 | 4.21 | 4.39 | 0.00 | 0.00 | 3.68 | 4.24 | 3.70 | 2.99 | 3.26 | 2.31 | 1.99 | 5.12 |
| 06:51:35  | 5.39          | 9.13 | 3.98 | 3.82 | 4.21 | 4.39 | 0.00 | 0.00 | 3.69 | 4.24 | 3.71 | 2.99 | 3.28 | 2.31 | 2.01 | 5.11 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 06:52:30  | 5.36          | 9.11 | 3.97 | 3.82 | 4.21 | 4.38 | 0.00 | 0.00 | 3.67 | 4.25 | 3.71 | 3.01 | 3.27 | 2.29 | 2.03 | 5.10 |
| 06:53:25  | 5.35          | 9.09 | 3.97 | 3.83 | 4.22 | 4.39 | 0.00 | 0.00 | 3.67 | 4.24 | 3.73 | 3.02 | 3.27 | 2.29 | 2.02 | 5.12 |
| 06:54:20  | 5.34          | 9.08 | 3.97 | 3.84 | 4.22 | 4.38 | 0.00 | 0.00 | 3.68 | 4.25 | 3.76 | 3.03 | 3.28 | 2.30 | 2.03 | 5.11 |
| 06:55:15  | 5.31          | 9.05 | 3.94 | 3.84 | 4.19 | 4.36 | 0.00 | 0.00 | 3.67 | 4.23 | 3.75 | 3.02 | 3.26 | 2.28 | 2.03 | 5.08 |
| 06:56:10  | 5.28          | 9.04 | 3.96 | 3.84 | 4.19 | 4.36 | 0.00 | 0.00 | 3.66 | 4.24 | 3.80 | 3.02 | 3.26 | 2.27 | 2.02 | 5.09 |
| 06:57:05  | 5.31          | 9.05 | 3.98 | 3.87 | 4.23 | 4.39 | 0.00 | 0.00 | 3.69 | 4.26 | 3.84 | 3.06 | 3.28 | 2.31 | 2.04 | 5.13 |
| 06:58:00  | 5.27          | 9.02 | 3.95 | 3.86 | 4.18 | 4.37 | 0.00 | 0.00 | 3.67 | 4.24 | 3.86 | 3.03 | 3.26 | 2.28 | 1.99 | 5.14 |
| 06:58:55  | 5.27          | 9.02 | 3.96 | 3.86 | 4.21 | 4.37 | 0.00 | 0.00 | 3.66 | 4.26 | 3.87 | 3.03 | 3.27 | 2.28 | 2.02 | 5.12 |
| 06:59:50  | 5.28          | 9.02 | 3.97 | 3.89 | 4.23 | 4.39 | 0.00 | 0.00 | 3.69 | 4.29 | 3.91 | 3.08 | 3.31 | 2.31 | 2.04 | 5.15 |
| 07:00:45  | 5.24          | 8.99 | 3.96 | 3.88 | 4.21 | 4.38 | 0.00 | 0.00 | 3.68 | 4.26 | 3.89 | 3.06 | 3.28 | 2.28 | 2.02 | 5.13 |
| 07:01:40  | 5.23          | 8.96 | 3.96 | 3.88 | 4.21 | 4.37 | 0.00 | 0.00 | 3.67 | 4.27 | 3.91 | 3.07 | 3.28 | 2.27 | 2.03 | 5.10 |
| 07:02:35  | 5.22          | 8.96 | 3.96 | 3.88 | 4.22 | 4.37 | 0.00 | 0.00 | 3.68 | 4.27 | 3.91 | 3.08 | 3.29 | 2.27 | 2.03 | 5.09 |
| 07:03:30  | 5.21          | 8.96 | 3.96 | 3.91 | 4.22 | 4.39 | 0.00 | 0.00 | 3.69 | 4.28 | 3.92 | 3.08 | 3.32 | 2.28 | 1.99 | 5.11 |
| 07:04:25  | 5.18          | 8.92 | 3.93 | 3.88 | 4.21 | 4.36 | 0.00 | 0.00 | 3.64 | 4.26 | 3.91 | 3.09 | 3.28 | 2.25 | 1.99 | 5.07 |
| 07:05:20  | 5.19          | 8.93 | 3.95 | 3.91 | 4.23 | 4.39 | 0.00 | 0.00 | 3.68 | 4.28 | 3.94 | 3.10 | 3.32 | 2.28 | 2.01 | 5.11 |
| 07:06:15  | 5.16          | 8.91 | 3.93 | 3.88 | 4.21 | 4.36 | 0.00 | 0.00 | 3.66 | 4.27 | 3.92 | 3.10 | 3.31 | 2.25 | 1.99 | 5.07 |
| 07:07:10  | 5.17          | 8.92 | 3.96 | 3.91 | 4.23 | 4.38 | 0.00 | 0.00 | 3.67 | 4.29 | 3.96 | 3.12 | 3.32 | 2.27 | 2.02 | 5.07 |
| 07:08:05  | 5.16          | 8.89 | 3.94 | 3.92 | 4.22 | 4.39 | 0.00 | 0.00 | 3.68 | 4.29 | 3.96 | 3.11 | 3.33 | 2.28 | 1.99 | 5.09 |
| 07:09:00  | 5.12          | 8.87 | 3.92 | 3.89 | 4.21 | 4.36 | 0.00 | 0.00 | 3.66 | 4.27 | 3.94 | 3.10 | 3.31 | 2.25 | 1.99 | 5.04 |
| 07:09:55  | 5.15          | 8.88 | 3.96 | 3.92 | 4.24 | 4.38 | 0.00 | 0.00 | 3.68 | 4.31 | 3.98 | 3.15 | 3.33 | 2.28 | 2.04 | 5.08 |
| 07:10:50  | 5.11          | 8.86 | 3.93 | 3.91 | 4.22 | 4.37 | 0.00 | 0.00 | 3.66 | 4.29 | 3.96 | 3.13 | 3.32 | 2.25 | 2.01 | 5.06 |
| 07:11:45  | 5.11          | 8.85 | 3.94 | 3.91 | 4.22 | 4.37 | 0.00 | 0.00 | 3.66 | 4.30 | 3.97 | 3.14 | 3.32 | 2.27 | 2.03 | 5.06 |
| 07:12:40  | 5.10          | 8.84 | 3.93 | 3.91 | 4.22 | 4.37 | 0.00 | 0.00 | 3.66 | 4.29 | 3.98 | 3.14 | 3.32 | 2.26 | 2.02 | 5.03 |
| 07:13:35  | 5.09          | 8.83 | 3.92 | 3.91 | 4.23 | 4.37 | 0.00 | 0.00 | 3.66 | 4.30 | 3.99 | 3.15 | 3.33 | 2.26 | 1.99 | 5.06 |
| 07:14:30  | 5.06          | 8.80 | 3.92 | 3.88 | 4.21 | 4.35 | 0.00 | 0.00 | 3.64 | 4.28 | 3.99 | 3.12 | 3.32 | 2.24 | 1.98 | 5.02 |
| 07:15:25  | 5.07          | 8.81 | 3.95 | 3.92 | 4.23 | 4.39 | 0.00 | 0.00 | 3.66 | 4.31 | 4.02 | 3.16 | 3.34 | 2.26 | 1.99 | 5.06 |
| 07:16:20  | 5.06          | 8.79 | 3.94 | 3.92 | 4.22 | 4.38 | 0.00 | 0.00 | 3.66 | 4.31 | 4.02 | 3.17 | 3.34 | 2.26 | 2.01 | 5.08 |
| 07:17:15  | 5.06          | 8.78 | 3.96 | 3.92 | 4.23 | 4.38 | 0.00 | 0.00 | 3.67 | 4.32 | 4.03 | 3.17 | 3.36 | 2.26 | 2.03 | 5.06 |
| 07:18:10  | 5.06          | 8.77 | 3.95 | 3.92 | 4.24 | 4.39 | 0.00 | 0.00 | 3.66 | 4.32 | 4.03 | 3.19 | 3.36 | 2.27 | 2.03 | 5.07 |
| 07:19:05  | 5.03          | 8.77 | 3.95 | 3.94 | 4.23 | 4.39 | 0.00 | 0.00 | 3.66 | 4.32 | 4.05 | 3.19 | 3.36 | 2.27 | 1.99 | 5.08 |
| 07:20:00  | 5.04          | 8.76 | 3.97 | 3.92 | 4.23 | 4.38 | 0.00 | 0.00 | 3.67 | 4.33 | 4.06 | 3.18 | 3.37 | 2.28 | 2.02 | 5.05 |
| 07:20:55  | 5.02          | 8.76 | 3.97 | 3.93 | 4.23 | 4.39 | 0.00 | 0.00 | 3.67 | 4.33 | 4.07 | 3.20 | 3.37 | 2.28 | 2.01 | 5.02 |
| 07:21:50  | 5.02          | 8.73 | 3.98 | 3.94 | 4.24 | 4.39 | 0.00 | 0.00 | 3.68 | 4.34 | 4.08 | 3.19 | 3.36 | 2.29 | 2.02 | 5.06 |
| 07:22:45  | 5.02          | 8.73 | 3.98 | 3.94 | 4.25 | 4.39 | 0.00 | 0.00 | 3.66 | 4.35 | 4.09 | 3.21 | 3.37 | 2.28 | 2.03 | 5.07 |
| 07:23:40  | 4.99          | 8.71 | 3.97 | 3.91 | 4.22 | 4.37 | 0.00 | 0.00 | 3.65 | 4.32 | 4.09 | 3.20 | 3.36 | 2.26 | 2.02 | 4.59 |
| 07:24:35  | 5.01          | 8.71 | 4.00 | 3.95 | 4.25 | 4.39 | 0.00 | 0.00 | 3.68 | 4.37 | 4.12 | 3.22 | 3.38 | 2.29 | 2.04 | 4.24 |
| 07:25:30  | 4.99          | 8.71 | 4.00 | 3.95 | 4.25 | 4.39 | 0.00 | 0.00 | 3.67 | 4.36 | 4.13 | 3.23 | 3.39 | 2.29 | 2.03 | 4.94 |
| 07:26:25  | 4.97          | 8.67 | 3.99 | 3.92 | 4.23 | 4.38 | 0.00 | 0.00 | 3.65 | 4.35 | 4.12 | 3.22 | 3.38 | 2.27 | 2.03 | 5.02 |
| 07:27:20  | 4.96          | 8.66 | 3.99 | 3.92 | 4.23 | 4.38 | 0.00 | 0.00 | 3.64 | 4.35 | 4.13 | 3.23 | 3.38 | 2.28 | 2.03 | 5.03 |
| 07:28:15  | 4.96          | 8.66 | 3.99 | 3.92 | 4.24 | 4.39 | 0.00 | 0.00 | 3.64 | 4.37 | 4.14 | 3.23 | 3.39 | 2.28 | 2.04 | 5.03 |
| 07:29:10  | 4.94          | 8.64 | 4.00 | 3.92 | 4.23 | 4.38 | 0.00 | 0.00 | 3.65 | 4.36 | 4.14 | 3.24 | 3.39 | 2.29 | 2.03 | 5.02 |
| 07:30:05  | 4.92          | 8.62 | 3.97 | 3.91 | 4.21 | 4.37 | 0.00 | 0.00 | 3.63 | 4.33 | 4.13 | 3.21 | 3.36 | 2.26 | 1.99 | 5.02 |
| 07:31:00  | 4.94          | 8.63 | 4.01 | 3.95 | 4.25 | 4.39 | 0.00 | 0.00 | 3.66 | 4.36 | 4.17 | 3.24 | 3.39 | 2.30 | 2.04 | 5.04 |
| 07:31:55  | 4.91          | 8.60 | 3.98 | 3.91 | 4.22 | 4.37 | 0.00 | 0.00 | 3.52 | 4.34 | 4.16 | 3.23 | 3.38 | 2.27 | 2.03 | 5.03 |
| 07:32:50  | 4.91          | 8.60 | 3.98 | 3.92 | 4.22 | 4.37 | 0.00 | 0.00 | 3.45 | 4.34 | 4.17 | 3.22 | 3.38 | 2.28 | 2.03 | 5.03 |
| 07:33:45  | 4.94          | 8.61 | 4.01 | 3.96 | 4.27 | 4.39 | 0.00 | 0.00 | 3.43 | 4.39 | 4.21 | 3.27 | 3.41 | 2.31 | 2.11 | 5.06 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 07:34:40  | 4.93          | 8.59 | 4.01 | 3.95 | 4.26 | 4.39 | 0.00 | 0.00 | 3.40 | 4.39 | 4.21 | 3.28 | 3.42 | 2.31 | 2.11 | 5.04 |
| 07:35:35  | 4.91          | 8.57 | 3.99 | 3.93 | 4.23 | 4.38 | 0.00 | 0.00 | 3.37 | 4.37 | 4.18 | 3.24 | 3.39 | 2.29 | 2.07 | 5.03 |
| 07:36:30  | 4.90          | 8.56 | 3.99 | 3.93 | 4.24 | 4.37 | 0.00 | 0.00 | 3.35 | 4.38 | 4.21 | 3.24 | 3.39 | 2.29 | 2.09 | 5.01 |
| 07:37:25  | 4.89          | 8.56 | 4.00 | 3.93 | 4.24 | 4.37 | 0.00 | 0.00 | 3.34 | 4.38 | 4.22 | 3.24 | 3.39 | 2.29 | 2.09 | 5.04 |
| 07:38:20  | 4.89          | 8.54 | 3.99 | 3.95 | 4.24 | 4.38 | 0.00 | 0.00 | 3.33 | 4.39 | 4.22 | 3.27 | 3.39 | 2.31 | 2.13 | 5.01 |
| 07:39:15  | 4.90          | 8.56 | 4.02 | 3.97 | 4.26 | 4.39 | 0.00 | 0.00 | 3.35 | 4.39 | 4.25 | 3.27 | 3.42 | 2.33 | 2.13 | 5.04 |
| 07:40:10  | 4.88          | 8.54 | 4.00 | 3.96 | 4.25 | 4.39 | 0.00 | 0.00 | 3.32 | 4.39 | 4.24 | 3.27 | 3.40 | 2.31 | 2.13 | 5.01 |
| 07:41:05  | 4.86          | 8.53 | 3.99 | 3.95 | 4.24 | 4.38 | 0.00 | 0.00 | 3.32 | 4.39 | 4.23 | 3.26 | 3.40 | 2.32 | 2.13 | 5.01 |
| 07:42:00  | 4.88          | 8.53 | 4.00 | 3.96 | 4.25 | 4.39 | 0.00 | 0.00 | 3.33 | 4.39 | 4.26 | 3.27 | 3.41 | 2.34 | 2.12 | 5.05 |
| 07:42:55  | 4.88          | 8.53 | 4.00 | 3.97 | 4.25 | 4.39 | 0.00 | 0.00 | 3.33 | 4.41 | 4.27 | 3.28 | 3.42 | 2.34 | 2.12 | 5.03 |
| 07:43:50  | 4.76          | 8.49 | 3.97 | 3.95 | 4.22 | 4.38 | 0.00 | 0.00 | 3.31 | 4.38 | 4.26 | 3.26 | 3.40 | 2.33 | 2.09 | 5.01 |
| 07:44:45  | 4.73          | 8.51 | 4.00 | 3.99 | 4.26 | 4.39 | 0.00 | 0.00 | 3.33 | 4.42 | 4.28 | 3.28 | 3.43 | 2.37 | 2.16 | 5.03 |
| 07:45:40  | 4.68          | 8.47 | 3.98 | 3.97 | 4.22 | 4.38 | 0.00 | 0.00 | 3.31 | 4.41 | 4.27 | 3.27 | 3.41 | 2.34 | 2.16 | 4.99 |
| 07:46:35  | 4.72          | 8.48 | 3.98 | 3.96 | 4.21 | 4.38 | 0.00 | 0.00 | 3.31 | 4.42 | 4.27 | 3.28 | 3.41 | 2.36 | 2.15 | 5.01 |
| 07:47:30  | 4.78          | 8.46 | 3.97 | 3.98 | 4.19 | 4.39 | 0.00 | 0.00 | 3.31 | 4.42 | 4.30 | 3.31 | 3.42 | 2.38 | 2.15 | 5.01 |
| 07:48:25  | 4.81          | 8.46 | 3.98 | 3.98 | 4.19 | 4.41 | 0.00 | 0.00 | 3.32 | 4.42 | 4.31 | 3.31 | 3.42 | 2.41 | 2.14 | 5.02 |
| 07:49:20  | 4.84          | 8.46 | 3.99 | 3.98 | 4.18 | 4.41 | 0.00 | 0.00 | 3.33 | 4.43 | 4.31 | 3.31 | 3.42 | 2.43 | 2.19 | 5.01 |
| 07:50:15  | 4.83          | 8.43 | 3.96 | 3.97 | 4.16 | 4.38 | 0.00 | 0.00 | 3.31 | 4.39 | 4.29 | 3.28 | 3.41 | 2.41 | 2.13 | 5.01 |
| 07:51:10  | 4.83          | 8.42 | 3.96 | 3.97 | 4.16 | 4.38 | 0.00 | 0.00 | 3.31 | 4.41 | 4.30 | 3.27 | 3.41 | 2.43 | 2.15 | 4.98 |
| 07:52:05  | 4.83          | 8.42 | 3.95 | 3.98 | 4.16 | 4.39 | 0.00 | 0.00 | 3.31 | 4.42 | 4.30 | 3.31 | 3.41 | 2.43 | 2.17 | 5.01 |
| 07:53:00  | 4.85          | 8.41 | 3.96 | 4.00 | 4.16 | 4.39 | 0.00 | 0.00 | 3.32 | 4.42 | 4.32 | 3.31 | 3.42 | 2.44 | 2.18 | 4.99 |
| 07:53:55  | 4.85          | 8.41 | 3.97 | 4.01 | 4.17 | 4.39 | 0.00 | 0.00 | 3.33 | 4.44 | 4.34 | 3.32 | 3.43 | 2.47 | 2.20 | 4.99 |
| 07:54:50  | 4.86          | 8.41 | 3.98 | 4.01 | 4.18 | 4.41 | 0.00 | 0.00 | 3.34 | 4.46 | 4.34 | 3.33 | 3.44 | 2.49 | 2.20 | 5.01 |
| 07:55:45  | 4.84          | 8.38 | 3.94 | 3.98 | 4.14 | 4.39 | 0.00 | 0.00 | 3.34 | 4.42 | 4.33 | 3.31 | 3.42 | 2.46 | 2.18 | 4.97 |
| 07:56:40  | 4.85          | 8.37 | 3.96 | 4.00 | 4.17 | 4.41 | 0.00 | 0.00 | 3.35 | 4.44 | 4.34 | 3.31 | 3.42 | 2.48 | 2.20 | 4.98 |
| 07:57:35  | 4.85          | 8.37 | 3.96 | 4.00 | 4.16 | 4.42 | 0.00 | 0.00 | 3.37 | 4.43 | 4.34 | 3.29 | 3.42 | 2.49 | 2.18 | 4.97 |
| 07:58:30  | 4.85          | 8.37 | 3.98 | 4.01 | 4.17 | 4.44 | 0.00 | 0.00 | 3.38 | 4.44 | 4.36 | 3.31 | 3.44 | 2.51 | 2.20 | 4.99 |
| 07:59:25  | 4.85          | 8.36 | 3.98 | 4.02 | 4.17 | 4.43 | 0.00 | 0.00 | 3.39 | 4.44 | 4.36 | 3.31 | 3.44 | 2.52 | 2.20 | 4.98 |
| 08:00:20  | 4.86          | 8.36 | 3.98 | 4.03 | 4.17 | 4.44 | 0.00 | 0.00 | 3.39 | 4.46 | 4.38 | 3.32 | 3.45 | 2.53 | 2.22 | 4.98 |
| 08:01:15  | 4.86          | 8.35 | 3.99 | 4.04 | 4.18 | 4.46 | 0.00 | 0.00 | 3.44 | 4.46 | 4.38 | 3.32 | 3.46 | 2.54 | 2.22 | 5.01 |
| 08:02:10  | 4.84          | 8.32 | 3.96 | 4.01 | 4.16 | 4.43 | 0.00 | 0.00 | 3.41 | 4.44 | 4.37 | 3.30 | 3.43 | 2.50 | 2.19 | 4.99 |
| 08:03:05  | 4.83          | 8.32 | 3.97 | 4.02 | 4.16 | 4.46 | 0.00 | 0.00 | 3.43 | 4.46 | 4.37 | 3.31 | 3.45 | 2.53 | 2.20 | 4.97 |
| 08:04:00  | 4.85          | 8.33 | 3.98 | 4.04 | 4.17 | 4.46 | 0.00 | 0.00 | 3.45 | 4.47 | 4.39 | 3.34 | 3.47 | 2.54 | 2.23 | 5.01 |
| 08:04:55  | 4.82          | 8.31 | 3.96 | 4.01 | 4.16 | 4.46 | 0.00 | 0.00 | 3.45 | 4.44 | 4.37 | 3.31 | 3.45 | 2.53 | 2.20 | 4.99 |
| 08:05:50  | 4.82          | 8.29 | 3.96 | 4.01 | 4.16 | 4.46 | 0.00 | 0.00 | 3.46 | 4.46 | 4.37 | 3.31 | 3.46 | 2.54 | 2.20 | 4.99 |
| 08:06:45  | 4.82          | 8.29 | 3.97 | 4.01 | 4.16 | 4.46 | 0.00 | 0.00 | 3.49 | 4.46 | 4.38 | 3.31 | 3.48 | 2.54 | 2.21 | 4.97 |
| 08:07:40  | 4.86          | 8.32 | 4.02 | 4.06 | 4.19 | 4.50 | 0.00 | 0.00 | 3.53 | 4.49 | 4.42 | 3.35 | 3.52 | 2.59 | 2.25 | 5.04 |
| 08:08:35  | 4.85          | 8.30 | 4.01 | 4.05 | 4.18 | 4.49 | 0.00 | 0.00 | 3.53 | 4.51 | 4.42 | 3.35 | 3.52 | 2.58 | 2.27 | 5.04 |
| 08:09:30  | 4.82          | 8.28 | 3.99 | 4.03 | 4.16 | 4.47 | 0.00 | 0.00 | 3.52 | 4.49 | 4.41 | 3.31 | 3.51 | 2.57 | 2.24 | 5.01 |
| 08:10:25  | 4.83          | 8.27 | 3.99 | 4.03 | 4.16 | 4.48 | 0.00 | 0.00 | 3.54 | 4.50 | 4.41 | 3.32 | 3.53 | 2.58 | 2.27 | 4.99 |
| 08:11:20  | 4.81          | 8.26 | 4.00 | 4.03 | 4.12 | 4.47 | 0.00 | 0.00 | 3.54 | 4.49 | 4.41 | 3.31 | 3.53 | 2.59 | 2.25 | 5.01 |
| 08:12:15  | 4.79          | 8.24 | 3.99 | 4.02 | 4.11 | 4.47 | 0.00 | 0.00 | 3.54 | 4.48 | 4.38 | 3.28 | 3.53 | 2.57 | 2.23 | 4.99 |
| 08:13:10  | 4.82          | 8.26 | 4.03 | 4.04 | 4.13 | 4.49 | 0.00 | 0.00 | 3.58 | 4.51 | 4.42 | 3.33 | 3.56 | 2.59 | 2.27 | 5.02 |
| 08:14:05  | 4.83          | 8.24 | 4.04 | 4.06 | 4.13 | 4.48 | 0.00 | 0.00 | 3.59 | 4.50 | 4.42 | 3.32 | 3.57 | 2.59 | 2.27 | 5.02 |
| 08:15:00  | 4.83          | 8.25 | 4.04 | 4.06 | 4.14 | 4.49 | 0.00 | 0.00 | 3.61 | 4.53 | 4.43 | 3.36 | 3.60 | 2.62 | 2.32 | 4.53 |
| 08:15:55  | 4.82          | 8.24 | 4.06 | 4.06 | 4.13 | 4.47 | 0.00 | 0.00 | 3.61 | 4.53 | 4.42 | 3.34 | 3.59 | 2.59 | 2.32 | 4.98 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 08:16:50  | 4.80          | 8.21 | 4.04 | 4.04 | 4.12 | 4.44 | 0.00 | 0.00 | 3.61 | 4.52 | 4.42 | 3.33 | 3.58 | 2.59 | 2.36 | 4.93 |
| 08:17:45  | 4.80          | 8.21 | 4.04 | 4.04 | 4.12 | 4.44 | 0.00 | 0.00 | 3.62 | 4.52 | 4.42 | 3.31 | 3.59 | 2.59 | 2.29 | 4.93 |
| 08:18:40  | 4.78          | 8.18 | 4.04 | 4.02 | 4.12 | 4.42 | 0.00 | 0.00 | 3.62 | 4.50 | 4.41 | 3.29 | 3.59 | 2.58 | 2.27 | 4.94 |
| 08:19:35  | 4.80          | 8.21 | 4.08 | 4.04 | 4.16 | 4.44 | 0.00 | 0.00 | 3.67 | 4.52 | 4.42 | 3.33 | 3.61 | 2.61 | 2.28 | 4.97 |
| 08:20:30  | 4.82          | 8.21 | 4.09 | 4.08 | 4.19 | 4.46 | 0.00 | 0.00 | 3.70 | 4.57 | 4.45 | 3.36 | 3.65 | 2.63 | 2.36 | 4.98 |
| 08:21:25  | 4.80          | 8.18 | 4.08 | 4.06 | 4.18 | 4.43 | 0.00 | 0.00 | 3.71 | 4.54 | 4.43 | 3.32 | 3.62 | 2.62 | 2.33 | 4.94 |
| 08:22:20  | 4.81          | 8.17 | 4.11 | 4.07 | 4.18 | 4.42 | 0.00 | 0.00 | 3.75 | 4.54 | 4.43 | 3.32 | 3.64 | 2.62 | 2.34 | 4.93 |
| 08:23:15  | 4.82          | 8.19 | 4.12 | 4.09 | 4.21 | 4.45 | 0.00 | 0.00 | 3.79 | 4.57 | 4.46 | 3.37 | 3.66 | 2.64 | 2.36 | 4.99 |
| 08:24:10  | 4.83          | 8.19 | 4.12 | 4.08 | 4.21 | 4.45 | 0.00 | 0.00 | 3.84 | 4.56 | 4.46 | 3.36 | 3.67 | 2.66 | 2.36 | 4.99 |
| 08:25:05  | 4.80          | 8.17 | 4.09 | 4.07 | 4.20 | 4.42 | 0.00 | 0.00 | 3.83 | 4.55 | 4.44 | 3.35 | 3.65 | 2.63 | 2.34 | 4.97 |
| 08:26:00  | 4.81          | 8.16 | 4.12 | 4.08 | 4.20 | 4.42 | 0.00 | 0.00 | 3.86 | 4.58 | 4.44 | 3.35 | 3.67 | 2.66 | 2.36 | 4.93 |
| 08:26:55  | 4.80          | 8.16 | 4.12 | 4.08 | 4.21 | 4.41 | 0.00 | 0.00 | 3.86 | 4.55 | 4.44 | 3.34 | 3.67 | 2.66 | 2.33 | 4.98 |
| 08:27:50  | 4.81          | 8.14 | 4.12 | 4.08 | 4.23 | 4.41 | 0.00 | 0.00 | 3.88 | 4.57 | 4.45 | 3.36 | 3.68 | 2.66 | 2.36 | 5.00 |
| 08:28:45  | 4.81          | 8.14 | 4.14 | 4.08 | 4.23 | 4.39 | 0.00 | 0.00 | 3.89 | 4.58 | 4.45 | 3.36 | 3.70 | 2.67 | 2.40 | 4.97 |
| 08:29:40  | 4.80          | 8.14 | 4.14 | 4.11 | 4.25 | 4.39 | 0.00 | 0.00 | 3.92 | 4.58 | 4.46 | 3.37 | 3.70 | 2.67 | 2.36 | 4.99 |
| 08:30:35  | 4.83          | 8.17 | 4.17 | 4.12 | 4.28 | 4.41 | 0.00 | 0.00 | 3.94 | 4.62 | 4.49 | 3.40 | 3.74 | 2.71 | 2.42 | 4.99 |
| 08:31:30  | 4.81          | 8.13 | 4.14 | 4.11 | 4.25 | 4.39 | 0.00 | 0.00 | 3.93 | 4.59 | 4.47 | 3.38 | 3.71 | 2.69 | 2.37 | 5.00 |
| 08:32:25  | 4.81          | 8.12 | 4.16 | 4.11 | 4.27 | 4.38 | 0.00 | 0.00 | 3.93 | 4.60 | 4.48 | 3.38 | 3.72 | 2.70 | 2.41 | 4.97 |
| 08:33:20  | 4.82          | 8.12 | 4.16 | 4.12 | 4.27 | 4.38 | 0.00 | 0.00 | 3.94 | 4.62 | 4.47 | 3.39 | 3.73 | 2.70 | 2.42 | 4.96 |
| 08:34:15  | 4.85          | 8.14 | 4.20 | 4.16 | 4.30 | 4.41 | 0.00 | 0.00 | 3.97 | 4.63 | 4.51 | 3.42 | 3.77 | 2.73 | 2.45 | 4.99 |
| 08:35:10  | 4.84          | 8.14 | 4.20 | 4.16 | 4.32 | 4.41 | 0.00 | 0.00 | 3.98 | 4.64 | 4.52 | 3.43 | 3.77 | 2.74 | 2.46 | 5.03 |
| 08:36:05  | 4.82          | 8.11 | 4.19 | 4.14 | 4.29 | 4.38 | 0.00 | 0.00 | 3.96 | 4.63 | 4.49 | 3.41 | 3.76 | 2.72 | 2.45 | 5.00 |
| 08:37:00  | 4.83          | 8.10 | 4.20 | 4.16 | 4.31 | 4.39 | 0.00 | 0.00 | 3.98 | 4.64 | 4.50 | 3.43 | 3.76 | 2.73 | 2.46 | 4.99 |
| 08:37:55  | 4.83          | 8.10 | 4.20 | 4.16 | 4.31 | 4.41 | 0.00 | 0.00 | 3.98 | 4.63 | 4.51 | 3.42 | 3.77 | 2.74 | 2.46 | 4.99 |
| 08:38:50  | 4.84          | 8.11 | 4.21 | 4.16 | 4.30 | 4.42 | 0.00 | 0.00 | 3.99 | 4.64 | 4.52 | 3.43 | 3.79 | 2.74 | 2.44 | 5.04 |
| 08:39:45  | 4.83          | 8.10 | 4.20 | 4.16 | 4.31 | 4.42 | 0.00 | 0.00 | 3.98 | 4.63 | 4.51 | 3.42 | 3.77 | 2.74 | 2.62 | 4.89 |
| 08:40:40  | 4.83          | 8.08 | 4.20 | 4.16 | 4.31 | 4.42 | 0.00 | 0.00 | 3.98 | 4.63 | 4.51 | 3.41 | 3.77 | 2.74 | 2.53 | 4.97 |
| 08:41:35  | 4.83          | 8.08 | 4.21 | 4.17 | 4.31 | 4.45 | 0.00 | 0.00 | 3.99 | 4.66 | 4.51 | 3.43 | 3.78 | 2.75 | 2.49 | 5.00 |
| 08:42:30  | 4.83          | 8.07 | 4.21 | 4.17 | 4.31 | 4.47 | 0.00 | 0.00 | 4.00 | 4.66 | 4.52 | 3.44 | 3.79 | 2.76 | 2.49 | 5.01 |
| 08:43:25  | 4.84          | 8.07 | 4.22 | 4.19 | 4.32 | 4.50 | 0.00 | 0.00 | 4.02 | 4.66 | 4.53 | 3.43 | 3.79 | 2.77 | 2.46 | 5.01 |
| 08:44:20  | 4.83          | 8.08 | 4.22 | 4.19 | 4.32 | 4.50 | 0.00 | 0.00 | 4.02 | 4.67 | 4.54 | 3.45 | 3.81 | 2.79 | 2.49 | 5.01 |
| 08:45:15  | 4.84          | 8.07 | 4.24 | 4.20 | 4.33 | 4.52 | 0.00 | 0.00 | 4.03 | 4.68 | 4.55 | 3.46 | 3.82 | 2.81 | 2.51 | 5.01 |
| 08:46:10  | 4.82          | 8.04 | 4.21 | 4.18 | 4.31 | 4.51 | 0.00 | 0.00 | 4.01 | 4.67 | 4.53 | 3.44 | 3.81 | 2.80 | 2.50 | 5.01 |
| 08:47:05  | 4.82          | 8.05 | 4.22 | 4.19 | 4.32 | 4.52 | 0.00 | 0.00 | 4.00 | 4.67 | 4.54 | 3.46 | 3.82 | 2.81 | 2.54 | 5.01 |
| 08:48:00  | 4.83          | 8.04 | 4.23 | 4.20 | 4.33 | 4.54 | 0.00 | 0.00 | 4.01 | 4.67 | 4.54 | 3.47 | 3.82 | 2.84 | 2.54 | 4.99 |
| 08:48:55  | 4.83          | 8.04 | 4.24 | 4.22 | 4.33 | 4.56 | 0.00 | 0.00 | 4.03 | 4.69 | 4.56 | 3.48 | 3.84 | 2.84 | 2.54 | 5.02 |
| 08:49:50  | 4.83          | 8.04 | 4.25 | 4.22 | 4.33 | 4.56 | 0.00 | 0.00 | 4.03 | 4.69 | 4.56 | 3.48 | 3.84 | 2.87 | 2.54 | 5.01 |
| 08:50:45  | 4.83          | 8.04 | 4.14 | 4.23 | 4.34 | 4.59 | 0.00 | 0.00 | 4.04 | 4.71 | 4.58 | 3.49 | 3.86 | 2.88 | 2.54 | 5.03 |
| 08:51:40  | 4.81          | 8.02 | 4.04 | 4.21 | 4.33 | 4.56 | 0.00 | 0.00 | 4.02 | 4.69 | 4.57 | 3.48 | 3.84 | 2.88 | 2.54 | 5.00 |
| 08:52:35  | 4.84          | 8.03 | 4.06 | 4.24 | 4.37 | 4.61 | 0.00 | 0.00 | 4.07 | 4.71 | 4.59 | 3.51 | 3.89 | 2.93 | 2.58 | 5.01 |
| 08:53:30  | 4.85          | 8.04 | 4.03 | 4.24 | 4.37 | 4.61 | 0.00 | 0.00 | 4.07 | 4.72 | 4.61 | 3.51 | 3.90 | 2.94 | 2.57 | 5.05 |
| 08:54:25  | 4.82          | 8.03 | 4.00 | 4.25 | 4.34 | 4.61 | 0.00 | 0.00 | 4.04 | 4.71 | 4.59 | 3.49 | 3.89 | 2.94 | 2.57 | 5.03 |
| 08:55:20  | 4.84          | 8.01 | 3.96 | 4.25 | 4.36 | 4.61 | 0.00 | 0.00 | 4.06 | 4.72 | 4.59 | 3.51 | 3.90 | 2.98 | 2.59 | 5.01 |
| 08:56:15  | 4.84          | 8.02 | 3.95 | 4.26 | 4.37 | 4.62 | 0.00 | 0.00 | 4.07 | 4.71 | 4.62 | 3.52 | 3.91 | 3.00 | 2.58 | 5.04 |
| 08:57:10  | 4.84          | 8.02 | 3.95 | 4.28 | 4.38 | 4.63 | 0.00 | 0.00 | 4.07 | 4.75 | 4.63 | 3.54 | 3.93 | 3.04 | 2.63 | 5.02 |
| 08:58:05  | 4.83          | 8.01 | 3.91 | 4.26 | 4.37 | 4.63 | 0.00 | 0.00 | 4.06 | 4.73 | 4.62 | 3.53 | 3.92 | 3.05 | 2.61 | 5.03 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | g    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 08:59:00  | 4.81          | 7.99 | 3.89 | 4.26 | 4.36 | 4.62 | 0.00 | 0.00 | 4.06 | 4.72 | 4.61 | 3.53 | 3.91 | 3.07 | 2.61 | 5.03 |
| 08:59:55  | 4.82          | 7.97 | 3.91 | 4.26 | 4.36 | 4.62 | 0.00 | 0.00 | 4.06 | 4.72 | 4.62 | 3.53 | 3.91 | 3.09 | 2.58 | 5.05 |
| 09:00:50  | 4.83          | 7.98 | 3.92 | 4.28 | 4.37 | 4.63 | 0.00 | 0.00 | 4.07 | 4.73 | 4.62 | 3.55 | 3.93 | 3.11 | 2.61 | 5.06 |
| 09:01:45  | 4.83          | 7.99 | 3.94 | 4.29 | 4.37 | 4.63 | 0.00 | 0.00 | 4.07 | 4.75 | 4.63 | 3.55 | 3.94 | 3.14 | 2.65 | 5.04 |
| 09:02:40  | 4.86          | 7.99 | 3.98 | 4.31 | 4.38 | 4.66 | 0.00 | 0.00 | 4.09 | 4.75 | 4.66 | 3.56 | 3.97 | 3.18 | 2.64 | 5.10 |
| 09:03:35  | 4.84          | 7.98 | 3.99 | 4.31 | 4.37 | 4.66 | 0.00 | 0.00 | 4.08 | 4.75 | 4.66 | 3.56 | 3.96 | 3.19 | 2.64 | 5.09 |
| 09:04:30  | 4.87          | 7.99 | 4.03 | 4.33 | 4.41 | 4.68 | 0.00 | 0.00 | 4.11 | 4.77 | 4.68 | 3.59 | 4.00 | 3.23 | 2.67 | 5.11 |
| 09:05:25  | 4.84          | 7.97 | 4.03 | 4.33 | 4.38 | 4.66 | 0.00 | 0.00 | 4.11 | 4.76 | 4.68 | 3.58 | 3.98 | 3.25 | 2.68 | 5.09 |
| 09:06:20  | 4.84          | 7.97 | 4.03 | 4.33 | 4.37 | 4.66 | 0.00 | 0.00 | 4.08 | 4.76 | 4.66 | 3.59 | 3.99 | 3.26 | 2.68 | 5.09 |
| 09:07:15  | 4.87          | 7.99 | 4.07 | 4.37 | 4.40 | 4.68 | 0.00 | 0.00 | 4.13 | 4.79 | 4.70 | 3.62 | 4.03 | 3.33 | 2.71 | 5.13 |
| 09:08:10  | 4.86          | 7.97 | 4.04 | 4.34 | 4.39 | 4.68 | 0.00 | 0.00 | 4.11 | 4.78 | 4.70 | 3.60 | 4.01 | 3.34 | 2.70 | 5.12 |
| 09:09:05  | 4.87          | 7.98 | 4.04 | 4.36 | 4.41 | 4.69 | 0.00 | 0.00 | 4.12 | 4.80 | 4.71 | 3.63 | 4.03 | 3.38 | 2.74 | 5.13 |
| 09:10:00  | 4.88          | 7.98 | 4.07 | 4.39 | 4.40 | 4.71 | 0.00 | 0.00 | 4.14 | 4.80 | 4.73 | 3.63 | 4.06 | 3.42 | 2.74 | 5.16 |
| 09:10:55  | 4.87          | 7.97 | 4.04 | 4.37 | 4.40 | 4.69 | 0.00 | 0.00 | 4.13 | 4.80 | 4.73 | 3.64 | 4.04 | 3.43 | 2.78 | 5.13 |
| 09:11:50  | 4.87          | 7.97 | 4.03 | 4.38 | 4.40 | 4.70 | 0.00 | 0.00 | 4.14 | 4.79 | 4.73 | 3.61 | 4.06 | 3.46 | 2.75 | 5.16 |
| 09:12:45  | 4.88          | 7.97 | 4.02 | 4.40 | 4.40 | 4.71 | 0.00 | 0.00 | 4.14 | 4.80 | 4.74 | 3.63 | 4.08 | 3.47 | 2.77 | 5.16 |
| 09:13:40  | 4.89          | 7.98 | 3.99 | 4.40 | 4.41 | 4.71 | 0.00 | 0.00 | 4.15 | 4.82 | 4.75 | 3.66 | 4.09 | 3.51 | 2.81 | 5.17 |
| 09:14:35  | 4.88          | 7.97 | 3.97 | 4.39 | 4.42 | 4.71 | 0.00 | 0.00 | 4.16 | 4.82 | 4.75 | 3.65 | 4.08 | 3.51 | 2.81 | 5.14 |
| 09:15:30  | 4.91          | 7.97 | 3.96 | 4.42 | 4.41 | 4.72 | 0.00 | 0.00 | 4.16 | 4.82 | 4.77 | 3.67 | 4.11 | 3.54 | 2.79 | 5.17 |
| 09:16:25  | 4.88          | 7.97 | 3.94 | 4.41 | 4.42 | 4.72 | 0.00 | 0.00 | 4.17 | 4.82 | 4.77 | 3.67 | 4.12 | 3.56 | 2.81 | 5.18 |
| 09:17:20  | 4.87          | 7.94 | 3.90 | 4.40 | 4.40 | 4.70 | 0.00 | 0.00 | 4.13 | 4.83 | 4.75 | 3.67 | 4.11 | 3.55 | 2.82 | 5.16 |
| 09:18:15  | 4.88          | 7.96 | 3.88 | 4.42 | 4.41 | 4.71 | 0.00 | 0.00 | 4.16 | 4.83 | 4.77 | 3.67 | 4.13 | 3.58 | 2.86 | 5.16 |
| 09:19:10  | 4.91          | 7.99 | 3.89 | 4.46 | 4.44 | 4.75 | 0.00 | 0.00 | 4.20 | 4.86 | 4.81 | 3.71 | 4.18 | 3.63 | 2.87 | 5.22 |
| 09:20:05  | 4.93          | 7.99 | 3.88 | 4.47 | 4.45 | 4.76 | 0.00 | 0.00 | 4.21 | 4.87 | 4.83 | 3.72 | 4.21 | 3.66 | 2.92 | 5.20 |
| 09:21:00  | 4.91          | 7.97 | 3.82 | 4.46 | 4.42 | 4.75 | 0.00 | 0.00 | 4.19 | 4.84 | 4.82 | 3.71 | 4.19 | 3.65 | 2.88 | 5.21 |
| 09:21:55  | 4.92          | 7.97 | 3.77 | 4.47 | 4.44 | 4.74 | 0.00 | 0.00 | 4.19 | 4.87 | 4.83 | 3.72 | 4.22 | 3.67 | 2.93 | 5.18 |
| 09:22:50  | 4.93          | 7.98 | 3.74 | 4.47 | 4.43 | 4.76 | 0.00 | 0.00 | 4.21 | 4.87 | 4.83 | 3.73 | 4.24 | 3.69 | 2.91 | 5.20 |
| 09:23:45  | 4.94          | 7.98 | 3.73 | 4.49 | 4.46 | 4.77 | 0.00 | 0.00 | 4.21 | 4.89 | 4.86 | 3.73 | 4.27 | 3.73 | 2.96 | 5.18 |
| 09:24:40  | 4.94          | 7.99 | 3.73 | 4.50 | 4.47 | 4.78 | 0.00 | 0.00 | 4.23 | 4.91 | 4.87 | 3.77 | 4.28 | 3.73 | 2.98 | 5.18 |
| 09:25:35  | 4.92          | 7.96 | 3.71 | 4.49 | 4.45 | 4.77 | 0.00 | 0.00 | 4.20 | 4.88 | 4.87 | 3.73 | 4.28 | 3.73 | 2.96 | 5.16 |
| 09:26:30  | 4.92          | 7.97 | 3.69 | 4.49 | 4.45 | 4.77 | 0.00 | 0.00 | 4.21 | 4.88 | 4.87 | 3.73 | 4.32 | 3.76 | 2.98 | 5.16 |
| 09:27:25  | 4.95          | 7.98 | 3.69 | 4.53 | 4.46 | 4.79 | 0.00 | 0.00 | 4.23 | 4.91 | 4.89 | 3.76 | 4.36 | 3.78 | 3.01 | 5.20 |
| 09:28:20  | 4.95          | 7.99 | 3.73 | 4.54 | 4.48 | 4.79 | 0.00 | 0.00 | 4.24 | 4.91 | 4.91 | 3.78 | 4.37 | 3.80 | 3.03 | 5.18 |
| 09:29:15  | 4.97          | 7.99 | 3.81 | 4.54 | 4.49 | 4.81 | 0.00 | 0.00 | 4.23 | 4.93 | 4.92 | 3.81 | 4.40 | 3.81 | 3.08 | 5.18 |
| 09:30:10  | 4.96          | 7.96 | 3.90 | 4.53 | 4.47 | 4.79 | 0.00 | 0.00 | 4.22 | 4.90 | 4.91 | 3.79 | 4.42 | 3.82 | 3.06 | 5.16 |
| 09:31:05  | 4.96          | 7.99 | 4.03 | 4.54 | 4.49 | 4.81 | 0.00 | 0.00 | 4.24 | 4.91 | 4.93 | 3.82 | 4.46 | 3.85 | 3.08 | 5.18 |
| 09:32:00  | 4.94          | 7.95 | 4.11 | 4.52 | 4.46 | 4.79 | 0.00 | 0.00 | 4.20 | 4.89 | 4.92 | 3.79 | 4.46 | 3.84 | 3.08 | 5.14 |
| 09:32:55  | 4.97          | 7.96 | 4.21 | 4.54 | 4.49 | 4.81 | 0.00 | 0.00 | 4.23 | 4.92 | 4.95 | 3.82 | 4.52 | 3.87 | 3.12 | 5.13 |
| 09:33:50  | 4.97          | 7.96 | 4.26 | 4.56 | 4.49 | 4.82 | 0.00 | 0.00 | 4.24 | 4.91 | 4.95 | 3.82 | 4.54 | 3.88 | 3.12 | 5.14 |
| 09:34:45  | 4.99          | 7.98 | 4.29 | 4.57 | 4.50 | 4.83 | 0.00 | 0.00 | 4.23 | 4.94 | 4.98 | 3.84 | 4.57 | 3.91 | 3.13 | 5.16 |
| 09:35:40  | 4.97          | 7.95 | 4.32 | 4.57 | 4.49 | 4.82 | 0.00 | 0.00 | 4.22 | 4.93 | 4.97 | 3.84 | 4.58 | 3.91 | 3.14 | 5.16 |
| 09:36:35  | 4.96          | 7.94 | 4.33 | 4.57 | 4.48 | 4.81 | 0.00 | 0.00 | 4.22 | 4.91 | 4.97 | 3.84 | 4.61 | 3.92 | 3.14 | 5.12 |
| 09:37:30  | 4.99          | 7.97 | 4.39 | 4.61 | 4.52 | 4.86 | 0.00 | 0.00 | 4.27 | 4.94 | 5.02 | 3.87 | 4.68 | 3.96 | 3.14 | 5.18 |
| 09:38:25  | 4.98          | 7.96 | 4.42 | 4.59 | 4.49 | 4.84 | 0.00 | 0.00 | 4.23 | 4.92 | 5.02 | 3.87 | 4.71 | 3.97 | 3.13 | 5.16 |
| 09:39:20  | 4.97          | 7.94 | 4.44 | 4.60 | 4.49 | 4.83 | 0.00 | 0.00 | 4.24 | 4.94 | 5.02 | 3.87 | 4.72 | 3.97 | 3.16 | 5.13 |
| 09:40:15  | 4.99          | 7.95 | 4.46 | 4.60 | 4.49 | 4.84 | 0.00 | 0.00 | 4.23 | 4.92 | 5.02 | 3.86 | 4.77 | 3.98 | 3.16 | 5.18 |



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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME     | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:s | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 09:41:10 | 5.00          | 7.95 | 4.52 | 4.62 | 4.52 | 4.84 | 0.00 | 0.00 | 4.24 | 4.95 | 5.04 | 3.89 | 4.82 | 4.01 | 3.18 | 5.16 |
| 09:42:05 | 5.00          | 7.96 | 4.54 | 4.63 | 4.53 | 4.86 | 0.00 | 0.00 | 4.26 | 4.94 | 5.06 | 3.89 | 4.86 | 4.02 | 3.18 | 5.19 |
| 09:43:00 | 5.01          | 7.95 | 4.59 | 4.65 | 4.53 | 4.88 | 0.00 | 0.00 | 4.27 | 4.97 | 5.08 | 3.91 | 4.91 | 4.06 | 3.22 | 5.16 |
| 09:43:55 | 5.00          | 7.95 | 4.59 | 4.65 | 4.52 | 4.87 | 0.00 | 0.00 | 4.27 | 4.95 | 5.07 | 3.90 | 4.93 | 4.06 | 3.19 | 5.19 |
| 09:44:50 | 4.99          | 7.91 | 4.60 | 4.65 | 4.52 | 4.86 | 0.00 | 0.00 | 4.27 | 4.94 | 5.07 | 3.89 | 4.96 | 4.07 | 3.21 | 5.14 |
| 09:45:45 | 5.01          | 7.94 | 4.63 | 4.66 | 4.53 | 4.86 | 0.00 | 0.00 | 4.27 | 4.96 | 5.09 | 3.93 | 5.01 | 4.09 | 3.25 | 5.15 |
| 09:46:40 | 5.02          | 7.94 | 4.67 | 4.68 | 4.52 | 4.88 | 0.00 | 0.00 | 4.27 | 4.96 | 5.11 | 3.93 | 5.06 | 4.11 | 3.22 | 5.17 |
| 09:47:35 | 5.04          | 7.96 | 4.71 | 4.69 | 4.54 | 4.90 | 0.00 | 0.00 | 4.29 | 4.99 | 5.13 | 3.94 | 5.11 | 4.15 | 3.26 | 5.20 |
| 09:48:30 | 5.02          | 7.94 | 4.70 | 4.68 | 4.52 | 4.88 | 0.00 | 0.00 | 4.27 | 4.97 | 5.13 | 3.93 | 5.12 | 4.14 | 3.24 | 5.19 |
| 09:49:25 | 5.03          | 7.94 | 4.73 | 4.70 | 4.54 | 4.88 | 0.00 | 0.00 | 4.28 | 4.98 | 5.15 | 3.93 | 5.16 | 4.17 | 3.27 | 5.16 |
| 09:50:20 | 5.06          | 7.97 | 4.76 | 4.73 | 4.56 | 4.92 | 0.00 | 0.00 | 4.31 | 5.01 | 5.19 | 3.98 | 5.23 | 4.22 | 3.30 | 5.23 |
| 09:51:15 | 5.06          | 7.96 | 4.78 | 4.74 | 4.56 | 4.93 | 0.00 | 0.00 | 4.32 | 5.01 | 5.21 | 3.98 | 5.28 | 4.24 | 3.30 | 5.23 |
| 09:52:10 | 5.06          | 7.94 | 4.78 | 4.72 | 4.56 | 4.92 | 0.00 | 0.00 | 4.31 | 4.99 | 5.20 | 3.98 | 5.29 | 4.24 | 3.28 | 5.21 |
| 09:53:05 | 5.07          | 7.97 | 4.81 | 4.76 | 4.56 | 4.94 | 0.00 | 0.00 | 4.32 | 5.01 | 5.24 | 4.01 | 5.34 | 4.28 | 3.29 | 5.24 |
| 09:54:00 | 5.07          | 7.96 | 4.82 | 4.76 | 4.59 | 4.94 | 0.00 | 0.00 | 4.34 | 5.03 | 5.26 | 4.04 | 5.40 | 4.31 | 3.36 | 5.22 |
| 09:54:55 | 5.07          | 7.98 | 4.85 | 4.78 | 4.59 | 4.95 | 0.00 | 0.00 | 4.35 | 5.04 | 5.28 | 4.03 | 5.45 | 4.35 | 3.34 | 5.22 |
| 09:55:50 | 5.07          | 7.96 | 4.85 | 4.77 | 4.58 | 4.95 | 0.00 | 0.00 | 4.34 | 5.04 | 5.28 | 4.04 | 5.46 | 4.36 | 3.33 | 5.24 |
| 09:56:45 | 5.08          | 7.97 | 4.87 | 4.79 | 4.60 | 4.97 | 0.00 | 0.00 | 4.34 | 5.07 | 5.32 | 4.07 | 5.52 | 4.41 | 3.39 | 5.26 |
| 09:57:40 | 5.07          | 7.96 | 4.86 | 4.77 | 4.58 | 4.95 | 0.00 | 0.00 | 4.34 | 5.04 | 5.32 | 4.06 | 5.53 | 4.41 | 3.36 | 5.27 |
| 09:58:35 | 5.06          | 7.94 | 4.86 | 4.77 | 4.57 | 4.94 | 0.00 | 0.00 | 4.33 | 5.03 | 5.32 | 4.05 | 5.57 | 4.43 | 3.37 | 5.23 |
| 09:59:30 | 5.08          | 7.95 | 4.88 | 4.78 | 4.58 | 4.96 | 0.00 | 0.00 | 4.35 | 5.03 | 5.34 | 4.06 | 5.61 | 4.47 | 3.36 | 5.24 |
| 10:00:25 | 5.12          | 7.99 | 4.92 | 4.82 | 4.62 | 4.99 | 0.00 | 0.00 | 4.38 | 5.08 | 5.41 | 4.11 | 5.69 | 4.53 | 3.39 | 5.31 |
| 10:01:20 | 5.10          | 7.96 | 4.92 | 4.82 | 4.61 | 4.98 | 0.00 | 0.00 | 4.36 | 5.08 | 5.40 | 4.10 | 5.70 | 4.53 | 3.43 | 5.26 |
| 10:02:15 | 5.12          | 7.97 | 4.93 | 4.83 | 4.62 | 4.99 | 0.00 | 0.00 | 4.37 | 5.08 | 5.44 | 4.13 | 5.74 | 4.57 | 3.40 | 5.29 |
| 10:03:10 | 5.10          | 7.95 | 4.92 | 4.82 | 4.61 | 4.97 | 0.00 | 0.00 | 4.37 | 5.08 | 5.44 | 4.11 | 5.77 | 4.58 | 3.42 | 5.26 |
| 10:04:05 | 5.10          | 7.96 | 4.94 | 4.83 | 4.61 | 4.99 | 0.00 | 0.00 | 4.38 | 5.08 | 5.48 | 4.12 | 5.79 | 4.63 | 3.41 | 5.29 |
| 10:05:00 | 5.13          | 7.98 | 4.98 | 4.86 | 4.62 | 5.02 | 0.00 | 0.00 | 4.40 | 5.11 | 5.53 | 4.14 | 5.86 | 4.68 | 3.43 | 5.32 |
| 10:05:55 | 5.15          | 7.98 | 4.98 | 4.87 | 4.65 | 5.02 | 0.00 | 0.00 | 4.41 | 5.13 | 5.57 | 4.17 | 5.89 | 4.69 | 3.47 | 5.29 |
| 10:06:50 | 5.16          | 7.99 | 4.99 | 4.89 | 4.66 | 5.03 | 0.00 | 0.00 | 4.42 | 5.15 | 5.61 | 4.19 | 5.94 | 4.74 | 3.50 | 5.32 |
| 10:07:45 | 5.17          | 7.98 | 4.98 | 4.89 | 4.65 | 5.02 | 0.00 | 0.00 | 4.42 | 5.13 | 5.63 | 4.18 | 5.96 | 4.76 | 3.49 | 5.28 |
| 10:08:40 | 5.17          | 7.98 | 4.99 | 4.90 | 4.66 | 5.03 | 0.00 | 0.00 | 4.43 | 5.16 | 5.67 | 4.22 | 6.01 | 4.80 | 3.52 | 5.31 |
| 10:09:35 | 5.16          | 7.97 | 4.98 | 4.89 | 4.64 | 5.02 | 0.00 | 0.00 | 4.41 | 5.14 | 5.69 | 4.21 | 6.02 | 4.81 | 3.50 | 5.31 |
| 10:10:30 | 5.20          | 7.99 | 5.02 | 4.93 | 4.67 | 5.06 | 0.00 | 0.00 | 4.44 | 5.17 | 5.76 | 4.24 | 6.08 | 4.87 | 3.51 | 5.35 |
| 10:11:25 | 5.20          | 7.99 | 5.03 | 4.93 | 4.67 | 5.06 | 0.00 | 0.00 | 4.44 | 5.18 | 5.79 | 4.25 | 6.11 | 4.89 | 3.54 | 5.35 |
| 10:12:20 | 5.18          | 7.98 | 5.02 | 4.91 | 4.66 | 5.06 | 0.00 | 0.00 | 4.43 | 5.16 | 5.82 | 4.23 | 6.13 | 4.91 | 3.53 | 5.31 |
| 10:13:15 | 5.21          | 7.98 | 5.03 | 4.93 | 4.66 | 5.06 | 0.00 | 0.00 | 4.44 | 5.18 | 5.87 | 4.26 | 6.16 | 4.94 | 3.52 | 5.36 |
| 10:14:10 | 5.21          | 7.99 | 5.04 | 4.94 | 4.69 | 5.06 | 0.00 | 0.00 | 4.44 | 5.20 | 5.91 | 4.30 | 6.20 | 4.98 | 3.58 | 5.35 |
| 10:15:05 | 5.23          | 8.01 | 5.07 | 4.96 | 4.69 | 5.09 | 0.00 | 0.00 | 4.48 | 5.21 | 5.97 | 4.31 | 6.26 | 5.02 | 3.57 | 5.38 |
| 10:16:00 | 5.23          | 8.02 | 5.08 | 4.98 | 4.71 | 5.09 | 0.00 | 0.00 | 4.48 | 5.23 | 6.02 | 4.35 | 6.28 | 5.06 | 3.62 | 5.39 |
| 10:16:55 | 5.23          | 7.98 | 5.07 | 4.97 | 4.68 | 5.07 | 0.00 | 0.00 | 4.47 | 5.22 | 6.03 | 4.34 | 6.31 | 5.06 | 3.59 | 5.36 |
| 10:17:50 | 5.23          | 7.98 | 5.07 | 4.96 | 4.68 | 5.08 | 0.00 | 0.00 | 4.46 | 5.21 | 6.07 | 4.35 | 6.32 | 5.08 | 3.58 | 5.36 |
| 10:18:45 | 5.24          | 7.99 | 5.08 | 4.98 | 4.68 | 5.09 | 0.00 | 0.00 | 4.47 | 5.22 | 6.13 | 4.36 | 6.37 | 5.11 | 3.57 | 5.38 |
| 10:19:40 | 5.27          | 8.01 | 5.09 | 4.99 | 4.69 | 5.11 | 0.00 | 0.00 | 4.48 | 5.24 | 6.20 | 4.39 | 6.40 | 5.15 | 3.61 | 5.41 |
| 10:20:35 | 5.28          | 8.01 | 5.11 | 5.01 | 4.72 | 5.11 | 0.00 | 0.00 | 4.50 | 5.27 | 6.24 | 4.43 | 6.43 | 5.19 | 3.65 | 5.40 |
| 10:21:30 | 5.31          | 8.02 | 5.13 | 5.02 | 4.72 | 5.14 | 0.00 | 0.00 | 4.52 | 5.27 | 6.32 | 4.46 | 6.48 | 5.23 | 3.63 | 5.46 |
| 10:22:25 | 5.31          | 8.01 | 5.12 | 5.02 | 4.72 | 5.11 | 0.00 | 0.00 | 4.51 | 5.27 | 6.35 | 4.46 | 6.49 | 5.24 | 3.66 | 5.40 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 10:23:20  | 5.34          | 8.03 | 5.15 | 5.05 | 4.73 | 5.15 | 0.00 | 0.00 | 4.53 | 5.29 | 6.43 | 4.50 | 6.54 | 5.29 | 3.66 | 5.47 |
| 10:24:15  | 5.36          | 8.04 | 5.17 | 5.07 | 4.76 | 5.17 | 0.00 | 0.00 | 4.55 | 5.32 | 6.49 | 4.52 | 6.59 | 5.34 | 3.67 | 5.49 |
| 10:25:10  | 5.35          | 8.02 | 5.15 | 5.06 | 4.72 | 5.14 | 0.00 | 0.00 | 4.52 | 5.29 | 6.53 | 4.51 | 6.59 | 5.34 | 3.66 | 5.44 |
| 10:26:05  | 5.38          | 8.04 | 5.18 | 5.09 | 4.75 | 5.18 | 0.00 | 0.00 | 4.54 | 5.33 | 6.62 | 4.58 | 6.65 | 5.40 | 3.71 | 5.49 |
| 10:27:00  | 5.37          | 8.02 | 5.16 | 5.08 | 4.73 | 5.15 | 0.00 | 0.00 | 4.53 | 5.32 | 6.66 | 4.57 | 6.67 | 5.41 | 3.72 | 5.48 |
| 10:27:55  | 5.39          | 8.04 | 5.19 | 5.10 | 4.75 | 5.17 | 0.00 | 0.00 | 4.56 | 5.33 | 6.73 | 4.60 | 6.69 | 5.46 | 3.74 | 5.49 |
| 10:28:50  | 5.43          | 8.05 | 5.21 | 5.12 | 4.77 | 5.18 | 0.00 | 0.00 | 4.58 | 5.35 | 6.81 | 4.64 | 6.76 | 5.51 | 3.77 | 5.53 |
| 10:29:45  | 5.44          | 8.06 | 5.22 | 5.14 | 4.78 | 5.21 | 0.00 | 0.00 | 4.59 | 5.36 | 6.87 | 4.67 | 6.79 | 5.54 | 3.77 | 5.54 |
| 10:30:40  | 5.43          | 8.03 | 5.19 | 5.11 | 4.74 | 5.17 | 0.00 | 0.00 | 4.57 | 5.35 | 6.89 | 4.67 | 6.79 | 5.54 | 3.73 | 5.51 |
| 10:31:35  | 5.48          | 8.05 | 5.23 | 5.17 | 4.79 | 5.21 | 0.00 | 0.00 | 4.60 | 5.38 | 6.98 | 4.74 | 6.85 | 5.62 | 3.77 | 5.59 |
| 10:32:30  | 5.49          | 8.08 | 5.26 | 5.19 | 4.80 | 5.22 | 0.00 | 0.00 | 4.60 | 5.41 | 7.05 | 4.77 | 6.90 | 5.66 | 3.83 | 5.57 |
| 10:33:25  | 5.51          | 8.09 | 5.26 | 5.21 | 4.82 | 5.24 | 0.00 | 0.00 | 4.62 | 5.43 | 7.11 | 4.81 | 6.94 | 5.71 | 3.83 | 5.60 |
| 10:34:20  | 5.51          | 8.08 | 5.26 | 5.21 | 4.80 | 5.23 | 0.00 | 0.00 | 4.60 | 5.42 | 7.15 | 4.84 | 6.94 | 5.73 | 3.83 | 5.60 |
| 10:35:15  | 5.53          | 8.09 | 5.28 | 5.22 | 4.82 | 5.26 | 0.00 | 0.00 | 4.64 | 5.44 | 7.21 | 4.87 | 7.01 | 5.78 | 3.84 | 5.61 |
| 10:36:10  | 5.56          | 8.10 | 5.29 | 5.26 | 4.84 | 5.26 | 0.00 | 0.00 | 4.64 | 5.47 | 7.27 | 4.93 | 7.04 | 5.81 | 3.87 | 5.63 |
| 10:37:05  | 5.55          | 8.09 | 5.28 | 5.26 | 4.81 | 5.26 | 0.00 | 0.00 | 4.63 | 5.44 | 7.29 | 4.94 | 7.04 | 5.83 | 3.82 | 5.63 |
| 10:38:00  | 5.60          | 8.14 | 5.33 | 5.30 | 4.86 | 5.31 | 0.00 | 0.00 | 4.67 | 5.48 | 7.37 | 5.02 | 7.12 | 5.91 | 3.86 | 5.69 |
| 10:38:55  | 5.57          | 8.09 | 5.30 | 5.26 | 4.82 | 5.26 | 0.00 | 0.00 | 4.63 | 5.46 | 7.37 | 5.03 | 7.11 | 5.91 | 3.82 | 5.66 |
| 10:39:50  | 5.60          | 8.11 | 5.33 | 5.30 | 4.83 | 5.29 | 0.00 | 0.00 | 4.66 | 5.47 | 7.43 | 5.10 | 7.15 | 5.94 | 3.82 | 5.66 |
| 10:40:45  | 5.62          | 8.12 | 5.33 | 5.32 | 4.85 | 5.31 | 0.00 | 0.00 | 4.67 | 5.48 | 7.48 | 5.18 | 7.19 | 6.01 | 3.86 | 5.68 |
| 10:41:40  | 5.66          | 8.13 | 5.35 | 5.36 | 4.88 | 5.32 | 0.00 | 0.00 | 4.67 | 5.52 | 7.52 | 5.26 | 7.24 | 6.04 | 3.91 | 5.69 |
| 10:42:35  | 5.65          | 8.12 | 5.35 | 5.36 | 4.86 | 5.31 | 0.00 | 0.00 | 4.67 | 5.49 | 7.54 | 5.30 | 7.26 | 6.06 | 3.86 | 5.71 |
| 10:43:30  | 5.68          | 8.13 | 5.36 | 5.39 | 4.87 | 5.32 | 0.00 | 0.00 | 4.68 | 5.53 | 7.60 | 5.39 | 7.28 | 6.11 | 3.89 | 5.73 |
| 10:44:25  | 5.71          | 8.13 | 5.39 | 5.42 | 4.89 | 5.34 | 0.00 | 0.00 | 4.71 | 5.55 | 7.64 | 5.48 | 7.33 | 6.16 | 3.90 | 5.73 |
| 10:45:20  | 5.72          | 8.13 | 5.39 | 5.43 | 4.87 | 5.34 | 0.00 | 0.00 | 4.70 | 5.53 | 7.66 | 5.54 | 7.34 | 6.19 | 3.88 | 5.72 |
| 10:46:15  | 5.76          | 8.14 | 5.41 | 5.46 | 4.88 | 5.36 | 0.00 | 0.00 | 4.72 | 5.57 | 7.71 | 5.66 | 7.38 | 6.22 | 3.94 | 5.72 |
| 10:47:10  | 5.78          | 8.16 | 5.42 | 5.48 | 4.89 | 5.37 | 0.00 | 0.00 | 4.74 | 5.57 | 7.73 | 5.76 | 7.42 | 6.26 | 3.95 | 5.76 |
| 10:48:05  | 5.79          | 8.16 | 5.43 | 5.50 | 4.91 | 5.36 | 0.00 | 0.00 | 4.72 | 5.59 | 111  | 5.84 | 7.43 | 6.29 | 3.96 | 5.74 |
| 10:49:00  | 5.82          | 8.17 | 5.43 | 5.53 | 4.92 | 5.39 | 0.00 | 0.00 | 4.74 | 5.60 | 7.81 | 5.94 | 7.46 | 6.35 | 3.96 | 5.76 |
| 10:49:55  | 5.87          | 8.18 | 5.47 | 5.58 | 4.92 | 5.42 | 0.00 | 0.00 | 4.76 | 5.62 | 7.86 | 6.04 | 7.50 | 6.40 | 3.96 | 5.78 |
| 10:50:50  | 5.89          | 8.17 | 5.46 | 5.59 | 4.92 | 5.39 | 0.00 | 0.00 | 4.75 | 5.64 | 7.88 | 6.12 | 7.51 | 6.43 | 3.99 | 5.79 |
| 10:51:45  | 5.93          | 8.18 | 5.49 | 5.62 | 4.93 | 5.42 | 0.00 | 0.00 | 4.77 | 5.64 | 7.92 | 6.19 | 7.54 | 6.47 | 3.98 | 5.81 |
| 10:52:40  | 5.94          | 8.18 | 5.48 | 5.64 | 4.92 | 5.42 | 0.00 | 0.00 | 4.77 | 5.63 | 7.93 | 6.26 | 7.55 | 6.49 | 3.96 | 5.84 |
| 10:53:35  | 5.99          | 8.18 | 5.51 | 5.68 | 4.94 | 5.42 | 0.00 | 0.00 | 4.78 | 5.66 | 7.96 | 6.36 | 7.58 | 6.55 | 3.99 | 5.84 |
| 10:54:30  | 6.06          | 8.20 | 5.54 | 5.73 | 4.96 | 5.46 | 0.00 | 0.00 | 4.80 | 5.68 | 8.02 | 6.47 | 7.62 | 6.60 | 4.01 | 5.92 |
| 10:55:25  | 6.12          | 8.22 | 5.56 | 5.76 | 4.96 | 5.47 | 0.00 | 0.00 | 4.83 | 5.69 | 8.04 | 6.53 | 7.64 | 6.64 | 3.99 | 5.93 |
| 10:56:20  | 6.19          | 8.23 | 5.59 | 5.81 | 4.98 | 5.50 | 0.00 | 0.00 | 4.84 | 5.72 | 8.09 | 6.64 | 7.68 | 6.68 | 4.04 | 5.93 |
| 10:57:15  | 6.25          | 8.23 | 5.59 | 5.85 | 4.97 | 5.49 | 0.00 | 0.00 | 4.84 | 5.72 | 8.09 | 6.68 | 7.68 | 6.71 | 3.99 | 5.98 |
| 10:58:10  | 6.35          | 8.26 | 5.63 | 5.89 | 5.00 | 5.52 | 0.00 | 0.00 | 4.86 | 5.75 | 8.13 | 6.77 | 7.72 | 6.76 | 3.96 | 5.99 |
| 10:59:05  | 6.47          | 8.27 | 5.66 | 5.94 | 5.01 | 5.53 | 0.00 | 0.00 | 4.88 | 5.76 | 8.17 | 6.85 | 7.75 | 6.81 | 3.93 | 6.01 |
| 11:00:00  | 6.56          | 8.27 | 5.67 | 5.97 | 5.00 | 5.53 | 0.00 | 0.00 | 4.87 | 5.76 | 8.17 | 6.91 | 7.75 | 6.83 | 3.92 | 6.00 |
| 11:00:55  | 6.72          | 8.31 | 5.73 | 6.04 | 5.03 | 5.57 | 0.00 | 0.00 | 4.91 | 5.82 | 8.23 | 6.99 | 7.81 | 6.89 | 3.96 | 6.02 |
| 11:01:50  | 6.82          | 8.27 | 5.73 | 6.04 | 4.98 | 5.55 | 0.00 | 0.00 | 4.88 | 5.77 | 8.20 | 7.01 | 7.79 | 6.89 | 3.89 | 5.99 |
| 11:02:45  | 7.01          | 8.32 | 5.81 | 6.13 | 5.04 | 5.62 | 0.00 | 0.00 | 4.94 | 5.83 | 8.29 | 7.12 | 7.86 | 6.98 | 3.94 | 6.06 |
| 11:03:40  | 7.13          | 8.29 | 5.84 | 6.16 | 5.04 | 5.61 | 0.00 | 0.00 | 4.91 | 5.84 | 8.28 | 7.17 | 7.84 | 6.99 | 3.99 | 6.04 |
| 11:04:35  | 7.28          | 8.33 | 5.89 | 6.21 | 5.05 | 5.63 | 0.00 | 0.00 | 4.95 | 5.87 | 8.31 | 7.21 | 7.87 | 7.03 | 4.02 | 6.07 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (hh:mm:ss | 1             | 2    | 3    | 4    | 5    | 6    | 7    | 8    | g    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 11:05:30  | 7.43          | 8.37 | 5.99 | 6.30 | 5.08 | 5.67 | 0.00 | 0.00 | 4.99 | 5.91 | 8.37 | 7.28 | 7.93 | 7.09 | 4.07 | 6.12 |
| 11:06:25  | 7.53          | 8.36 | 6.02 | 6.35 | 5.08 | 5.67 | 0.00 | 0.00 | 4.99 | 5.91 | 8.36 | 7.33 | 7.93 | 7.11 | 4.09 | 6.11 |
| 11:07:20  | 7.64          | 8.39 | 6.10 | 6.44 | 5.11 | 5.72 | 0.00 | 0.00 | 5.01 | 5.96 | 8.41 | 7.39 | 7.98 | 7.17 | 4.18 | 6.16 |
| 11:08:15  | 7.74          | 8.41 | 6.16 | 6.52 | 5.12 | 5.74 | 0.00 | 0.00 | 5.04 | 5.98 | 8.43 | 7.42 | 8.00 | 7.18 | 4.19 | 6.18 |
| 11:09:10  | 7.81          | 8.40 | 6.18 | 6.59 | 5.09 | 5.75 | 0.00 | 0.00 | 5.03 | 5.97 | 8.43 | 7.46 | 7.99 | 7.19 | 4.19 | 6.19 |
| 11:10:05  | 7.88          | 8.41 | 6.24 | 6.69 | 5.12 | 5.77 | 0.00 | 0.00 | 5.04 | 6.01 | 8.45 | 7.51 | 8.02 | 7.22 | 4.24 | 6.19 |
| 11:11:00  | 7.95          | 8.43 | 6.29 | 6.77 | 5.13 | 5.80 | 0.00 | 0.00 | 5.06 | 6.04 | 8.47 | 7.54 | 8.03 | 7.25 | 4.24 | 6.19 |
| 11:11:55  | 7.99          | 8.42 | 6.33 | 6.82 | 5.11 | 5.81 | 0.00 | 0.00 | 5.05 | 6.04 | 8.47 | 7.58 | 8.04 | 7.26 | 4.21 | 6.22 |
| 11:12:50  | 8.08          | 8.46 | 6.42 | 6.92 | 5.14 | 5.85 | 0.00 | 0.00 | 5.08 | 6.09 | 8.53 | 7.63 | 8.08 | 7.31 | 4.27 | 6.23 |
| 11:13:45  | 8.16          | 8.50 | 6.50 | 7.01 | 5.17 | 5.92 | 0.00 | 0.00 | 5.11 | 6.14 | 8.56 | 7.68 | 8.11 | 7.36 | 4.28 | 6.26 |
| 11:14:40  | 8.19          | 8.48 | 6.54 | 7.05 | 5.16 | 5.92 | 0.00 | 0.00 | 5.09 | 6.14 | 8.54 | 7.68 | 8.11 | 7.36 | 4.28 | 6.27 |
| 11:15:35  | 8.26          | 8.52 | 6.66 | 7.13 | 5.18 | 5.97 | 0.00 | 0.00 | 5.13 | 6.18 | 8.58 | 7.74 | 8.14 | 7.41 | 4.28 | 6.33 |
| 11:16:30  | 8.32          | 8.54 | 6.72 | 7.18 | 5.19 | 6.01 | 0.00 | 0.00 | 5.16 | 6.21 | 8.59 | 7.75 | 8.16 | 7.42 | 4.28 | 6.34 |
| 11:17:25  | 8.37          | 8.57 | 6.84 | 7.25 | 5.22 | 6.07 | 0.00 | 0.00 | 5.17 | 6.26 | 8.62 | 7.84 | 8.20 | 7.46 | 4.33 | 6.38 |
| 11:18:20  | 8.42          | 8.59 | 6.91 | 7.30 | 5.22 | 6.11 | 0.00 | 0.00 | 5.18 | 6.28 | 8.65 | 7.86 | 8.21 | 7.49 | 4.33 | 6.41 |
| 11:19:15  | 8.44          | 8.59 | 6.96 | 7.32 | 5.20 | 6.12 | 0.00 | 0.00 | 5.17 | 6.29 | 8.63 | 7.86 | 8.20 | 7.48 | 4.32 | 6.37 |
| 11:20:10  | 8.51          | 8.64 | 7.06 | 7.39 | 5.23 | 6.19 | 0.00 | 0.00 | 5.22 | 6.35 | 8.68 | 7.91 | 8.24 | 7.52 | 4.33 | 6.47 |
| 11:21:05  | 8.54          | 8.67 | 7.12 | 7.42 | 5.25 | 6.22 | 0.00 | 0.00 | 5.22 | 6.39 | 8.69 | 7.94 | 8.26 | 7.54 | 4.33 | 6.47 |
| 11:22:00  | 8.61          | 8.72 | 7.21 | 7.49 | 5.28 | 6.27 | 0.00 | 0.00 | 5.26 | 6.44 | 8.72 | 7.98 | 8.29 | 7.59 | 4.36 | 6.48 |
| 11:22:55  | 8.65          | 8.76 | 7.26 | 7.52 | 5.29 | 6.32 | 0.00 | 0.00 | 5.27 | 6.47 | 8.74 | 8.00 | 8.30 | 7.60 | 4.29 | 6.52 |
| 11:23:50  | 8.67          | 8.78 | 7.31 | 7.54 | 5.29 | 6.35 | 0.00 | 0.00 | 5.26 | 6.50 | 8.74 | 8.03 | 8.31 | 7.60 | 4.36 | 6.54 |
| 11:24:45  | 8.72          | 8.82 | 7.37 | 7.60 | 5.30 | 6.39 | 0.00 | 0.00 | 5.29 | 6.53 | 8.76 | 8.06 | 8.33 | 7.63 | 4.51 | 6.64 |
| 11:25:40  | 8.77          | 8.86 | 7.43 | 7.64 | 5.32 | 6.44 | 0.00 | 0.00 | 5.32 | 6.59 | 8.78 | 8.08 | 8.34 | 7.66 | 4.86 | 6.92 |
| 11:26:35  | 8.82          | 8.91 | 7.49 | 7.69 | 5.37 | 6.51 | 0.00 | 0.00 | 5.35 | 6.65 | 8.82 | 8.13 | 8.38 | 7.71 | 5.23 | 7.39 |
| 11:27:30  | 8.82          | 8.92 | 7.49 | 7.71 | 5.34 | 6.52 | 0.00 | 0.00 | 5.34 | 6.67 | 8.79 | 8.13 | 8.37 | 7.68 | 5.50 | 7.88 |
| 11:28:25  | 8.87          | 8.98 | 7.57 | 7.77 | 5.39 | 6.58 | 0.00 | 0.00 | 5.38 | 6.72 | 8.82 | 8.17 | 8.41 | 7.73 | 5.80 | 8.37 |
| 11:29:20  | 8.90          | 8.99 | 7.61 | 7.79 | 5.39 | 6.60 | 0.00 | 0.00 | 5.39 | 6.74 | 8.83 | 8.17 | 8.41 | 7.74 | 6.11 | 8.67 |
| 11:30:15  | 8.92          | 9.03 | 7.64 | 7.82 | 5.42 | 6.64 | 0.00 | 0.00 | 5.39 | 6.77 | 8.83 | 8.18 | 8.42 | 7.75 | 6.34 | 8.86 |
| 11:31:10  | 8.98          | 9.07 | 7.69 | 7.87 | 5.47 | 6.69 | 0.00 | 0.00 | 5.43 | 6.84 | 8.87 | 8.22 | 8.44 | 7.80 | 6.59 | 8.94 |
| 11:32:05  | 9.00          | 9.11 | 7.72 | 7.89 | 5.48 | 6.72 | 0.00 | 0.00 | 5.43 | 6.88 | 8.88 | 8.25 | 8.46 | 7.80 | 6.67 | 9.01 |
| 11:33:00  | 9.06          | 9.18 | 7.79 | 7.96 | 5.54 | 6.78 | 0.00 | 0.00 | 5.49 | 6.92 | 8.91 | 8.27 | 8.50 | 7.84 | 6.67 | 9.11 |
| 11:33:55  | 9.07          | 9.20 | 7.82 | 7.97 | 5.58 | 6.81 | 0.00 | 0.00 | 5.49 | 6.96 | 8.91 | 8.31 | 8.50 | 7.85 | 6.71 | 9.12 |
| 11:34:50  | 9.10          | 9.24 | 7.85 | 8.01 | 5.61 | 6.85 | 0.00 | 0.00 | 5.51 | 6.99 | 8.91 | 8.32 | 8.51 | 7.87 | 6.71 | 9.19 |
| 11:35:45  | 9.12          | 9.27 | 7.88 | 8.02 | 5.65 | 6.88 | 0.00 | 0.00 | 5.53 | 7.03 | 8.93 | 8.33 | 8.53 | 7.88 | 6.72 | 9.21 |
| 11:36:40  | 9.16          | 9.31 | 7.93 | 8.06 | 5.72 | 6.93 | 0.00 | 0.00 | 5.59 | 7.08 | 8.97 | 8.34 | 8.55 | 7.92 | 6.73 | 9.24 |
| 11:37:35  | 9.18          | 9.34 | 7.96 | 8.10 | 5.77 | 6.97 | 0.00 | 0.00 | 5.60 | 7.12 | 8.97 | 8.37 | 8.58 | 7.93 | 6.74 | 9.28 |
| 11:38:30  | 9.22          | 9.38 | 8.00 | 8.13 | 5.83 | 6.99 | 0.00 | 0.00 | 5.65 | 7.16 | 8.99 | 8.38 | 8.58 | 7.93 | 6.77 | 9.29 |
| 11:39:25  | 9.28          | 9.46 | 8.07 | 8.19 | 5.94 | 7.07 | 0.00 | 0.00 | 5.73 | 7.24 | 9.04 | 8.44 | 8.63 | 8.00 | 6.83 | 9.36 |
| 11:40:20  | 9.28          | 9.47 | 8.07 | 8.21 | 5.98 | 7.09 | 0.00 | 0.00 | 5.74 | 7.26 | 9.03 | 8.46 | 8.63 | 7.99 | 6.86 | 9.37 |
| 11:41:15  | 9.29          | 9.49 | 8.11 | 8.21 | 6.04 | 7.11 | 0.00 | 0.00 | 5.80 | 7.28 | 9.04 | 8.45 | 8.63 | 8.00 | 6.83 | 9.39 |
| 11:42:10  | 9.35          | 9.54 | 8.17 | 8.27 | 6.14 | 7.17 | 0.00 | 0.00 | 5.90 | 7.37 | 9.07 | 8.49 | 8.67 | 8.04 | 6.92 | 9.41 |
| 11:43:05  | 9.36          | 9.58 | 8.17 | 8.28 | 6.19 | 7.21 | 0.00 | 0.00 | 5.98 | 7.40 | 9.07 | 8.50 | 8.68 | 8.05 | 6.92 | 9.43 |
| 11:44:00  | 9.40          | 9.64 | 8.23 | 8.33 | 6.27 | 7.26 | 0.00 | 0.00 | 6.07 | 7.44 | 9.11 | 8.54 | 8.72 | 8.09 | 6.92 | 9.52 |
| 11:44:55  | 9.43          | 9.68 | 8.27 | 8.37 | 6.33 | 7.29 | 0.00 | 0.00 | 6.18 | 7.48 | 9.12 | 8.54 | 8.73 | 8.10 | 6.94 | 9.54 |
| 11:45:50  | 9.46          | 9.69 | 8.30 | 8.38 | 6.40 | 7.32 | 0.00 | 0.00 | 6.27 | 7.52 | 9.13 | 8.56 | 8.75 | 8.14 | 6.96 | 9.56 |
| 11:46:45  | 9.48          | 9.73 | 8.31 | 8.39 | 6.45 | 7.34 | 0.00 | 0.00 | 6.36 | 7.55 | 9.14 | 8.58 | 8.75 | 8.13 | 6.98 | 9.59 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |       |      |      |      |      |      |      |      |      |       |      |      |      |      |       |
|-----------|---------------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|
| (hh:mm:ss | 1             | 2     | 3    | 4    | 5    | 6    | 7    | 8    | g    | 10   | 11    | 12   | 13   | 14   | 15   | 16    |
| 11:47:40  | 9.49          | 9.77  | 8.34 | 8.42 | 6.52 | 7.38 | 0.00 | 0.00 | 6.46 | 7.60 | 9.15  | 8.59 | 8.78 | 8.16 | 6.99 | 9.62  |
| 11:48:35  | 9.51          | 9.79  | 8.36 | 8.44 | 6.57 | 7.40 | 0.00 | 0.00 | 6.53 | 7.64 | 9.16  | 8.62 | 8.79 | 8.18 | 7.03 | 9.62  |
| 11:49:30  | 9.53          | 9.82  | 8.38 | 8.47 | 6.63 | 7.44 | 0.00 | 0.00 | 6.61 | 7.68 | 9.18  | 8.63 | 8.80 | 8.18 | 7.03 | 9.67  |
| 11:50:25  | 9.58          | 9.88  | 8.44 | 8.52 | 6.70 | 7.48 | 0.00 | 0.00 | 6.72 | 7.73 | 9.23  | 8.67 | 8.84 | 8.22 | 7.09 | 9.73  |
| 11:51:20  | 9.60          | 9.90  | 8.46 | 8.54 | 6.76 | 7.51 | 0.00 | 0.00 | 6.79 | 7.76 | 9.22  | 8.67 | 8.84 | 8.24 | 7.07 | 9.74  |
| 11:52:15  | 9.64          | 9.97  | 8.51 | 8.59 | 6.83 | 7.56 | 0.00 | 0.00 | 6.90 | 7.83 | 9.27  | 8.70 | 8.89 | 8.28 | 7.12 | 9.79  |
| 11:53:10  | 9.63          | 9.96  | 8.50 | 8.58 | 6.85 | 7.56 | 0.00 | 0.00 | 6.93 | 7.82 | 9.25  | 8.70 | 8.87 | 8.26 | 7.12 | 9.81  |
| 11:54:05  | 9.68          | 10.02 | 8.56 | 8.63 | 6.93 | 7.61 | 0.00 | 0.00 | 7.02 | 7.89 | 9.28  | 8.73 | 8.91 | 8.31 | 7.16 | 9.84  |
| 11:55:00  | 9.69          | 10.05 | 8.58 | 8.66 | 6.98 | 7.65 | 0.00 | 0.00 | 7.07 | 7.93 | 9.31  | 8.74 | 8.91 | 8.32 | 7.21 | 9.85  |
| 11:55:55  | 9.72          | 10.08 | 8.61 | 8.69 | 7.02 | 7.68 | 0.00 | 0.00 | 7.14 | 7.97 | 9.32  | 8.77 | 8.94 | 8.35 | 7.22 | 9.90  |
| 11:56:50  | 9.73          | 10.09 | 8.63 | 8.70 | 7.06 | 7.69 | 0.00 | 0.00 | 7.20 | 8.01 | 9.32  | 8.79 | 8.95 | 8.35 | 7.27 | 9.91  |
| 11:57:45  | 9.78          | 10.17 | 8.67 | 8.74 | 7.13 | 7.76 | 0.00 | 0.00 | 7.27 | 8.07 | 9.36  | 8.83 | 8.99 | 8.39 | 7.28 | 9.97  |
| 11:58:40  | 9.77          | 10.16 | 8.67 | 8.73 | 7.14 | 7.73 | 0.00 | 0.00 | 7.31 | 8.08 | 9.34  | 8.81 | 8.97 | 8.38 | 7.29 | 9.97  |
| 11:59:35  | 9.79          | 10.18 | 8.69 | 8.77 | 7.20 | 7.76 | 0.00 | 0.00 | 7.34 | 8.12 | 9.36  | 8.83 | 8.98 | 8.39 | 7.35 | 9.98  |
| 12:00:30  | 9.80          | 10.21 | 8.71 | 8.78 | 7.23 | 7.79 | 0.00 | 0.00 | 7.41 | 8.14 | 9.36  | 8.84 | 8.99 | 8.41 | 7.34 | 10.02 |
| 12:01:25  | 9.85          | 10.26 | 8.76 | 8.82 | 7.28 | 7.84 | 0.00 | 0.00 | 7.49 | 8.19 | 9.40  | 8.84 | 9.03 | 8.43 | 7.40 | 10.05 |
| 12:02:20  | 9.87          | 10.30 | 8.80 | 8.84 | 7.33 | 7.86 | 0.00 | 0.00 | 7.55 | 8.22 | 9.41  | 8.88 | 9.05 | 8.46 | 7.41 | 10.10 |
| 12:03:15  | 9.91          | 10.34 | 8.84 | 8.88 | 7.39 | 7.91 | 0.00 | 0.00 | 7.61 | 8.29 | 9.43  | 8.92 | 9.08 | 8.48 | 7.46 | 10.14 |
| 12:04:10  | 9.93          | 10.37 | 8.86 | 8.91 | 7.43 | 7.92 | 0.00 | 0.00 | 7.66 | 8.33 | 9.45  | 8.93 | 9.09 | 8.50 | 7.52 | 10.14 |
| 12:05:05  | 9.94          | 10.39 | 8.89 | 8.94 | 7.47 | 7.94 | 0.00 | 0.00 | 7.72 | 8.36 | 9.46  | 8.93 | 9.11 | 8.52 | 7.53 | 10.18 |
| 12:06:00  | 9.94          | 10.42 | 8.91 | 8.95 | 7.49 | 7.97 | 0.00 | 0.00 | 7.76 | 8.38 | 9.48  | 8.94 | 9.11 | 8.53 | 7.56 | 10.21 |
| 12:06:55  | 10.01         | 10.46 | 8.96 | 9.00 | 7.54 | 8.01 | 0.00 | 0.00 | 7.82 | 8.44 | 9.52  | 8.99 | 9.14 | 8.57 | 7.65 | 10.23 |
| 12:07:50  | 9.99          | 10.48 | 8.94 | 9.00 | 7.56 | 8.02 | 0.00 | 0.00 | 7.83 | 8.46 | 9.49  | 9.01 | 9.14 | 8.56 | 7.64 | 10.27 |
| 12:08:45  | 9.99          | 10.48 | 8.96 | 8.99 | 7.56 | 8.03 | 0.00 | 0.00 | 7.87 | 8.46 | 9.49  | 8.98 | 9.13 | 8.55 | 7.64 | 10.28 |
| 12:09:40  | 10.05         | 10.54 | 9.01 | 9.05 | 7.64 | 8.08 | 0.00 | 0.00 | 7.94 | 8.51 | 9.53  | 9.04 | 9.18 | 8.60 | 7.71 | 10.32 |
| 12:10:35  | 10.08         | 10.58 | 9.04 | 9.09 | 7.68 | 8.12 | 0.00 | 0.00 | 8.01 | 8.57 | 9.57  | 9.08 | 9.21 | 8.63 | 7.78 | 10.36 |
| 12:11:30  | 10.10         | 10.61 | 9.07 | 9.12 | 7.71 | 8.13 | 0.00 | 0.00 | 8.04 | 8.61 | 9.57  | 9.09 | 9.22 | 8.66 | 7.81 | 10.39 |
| 12:12:25  | 10.14         | 10.66 | 9.12 | 9.16 | 7.77 | 8.19 | 0.00 | 0.00 | 8.12 | 8.67 | 9.61  | 9.13 | 9.29 | 8.68 | 7.90 | 10.42 |
| 12:13:20  | 10.14         | 10.66 | 9.12 | 9.16 | 7.77 | 8.21 | 0.00 | 0.00 | 8.14 | 8.67 | 9.61  | 9.13 | 9.28 | 8.69 | 7.88 | 10.47 |
| 12:14:15  | 10.17         | 10.69 | 9.16 | 9.18 | 7.81 | 8.22 | 0.00 | 0.00 | 8.19 | 8.71 | 9.63  | 9.16 | 9.29 | 8.71 | 7.94 | 10.46 |
| 12:15:10  | 10.19         | 10.71 | 9.18 | 9.21 | 7.84 | 8.24 | 0.00 | 0.00 | 8.22 | 8.75 | 9.65  | 9.20 | 9.32 | 8.73 | 8.01 | 10.50 |
| 12:16:05  | 10.21         | 10.73 | 9.20 | 9.24 | 7.86 | 8.27 | 0.00 | 0.00 | 8.27 | 8.75 | 9.67  | 9.19 | 9.33 | 8.74 | 8.01 | 10.55 |
| 12:17:00  | 10.23         | 10.76 | 9.24 | 9.27 | 7.90 | 8.29 | 0.00 | 0.00 | 8.31 | 8.81 | 9.69  | 9.22 | 9.34 | 8.77 | 8.06 | 10.55 |
| 12:17:55  | 10.27         | 10.82 | 9.28 | 9.31 | 7.96 | 8.34 | 0.00 | 0.00 | 8.39 | 8.87 | 9.74  | 9.29 | 9.39 | 8.83 | 8.13 | 10.62 |
| 12:18:50  | 10.30         | 10.84 | 9.29 | 9.33 | 7.98 | 8.37 | 0.00 | 0.00 | 8.42 | 8.89 | 9.76  | 9.29 | 9.41 | 8.84 | 8.18 | 10.67 |
| 12:19:45  | 10.33         | 10.86 | 9.34 | 9.36 | 8.02 | 8.41 | 0.00 | 0.00 | 8.47 | 8.93 | 9.78  | 9.33 | 9.44 | 8.87 | 8.23 | 10.67 |
| 12:20:40  | 10.36         | 10.89 | 9.38 | 9.37 | 8.06 | 8.42 | 0.00 | 0.00 | 8.51 | 8.97 | 9.81  | 9.34 | 9.46 | 8.89 | 8.28 | 10.71 |
| 12:21:35  | 10.41         | 10.94 | 9.42 | 9.43 | 8.13 | 8.47 | 0.00 | 0.00 | 8.59 | 9.03 | 9.85  | 9.40 | 9.52 | 8.94 | 8.36 | 10.75 |
| 12:22:30  | 10.42         | 10.95 | 9.43 | 9.44 | 8.14 | 8.48 | 0.00 | 0.00 | 8.60 | 9.03 | 9.86  | 9.41 | 9.51 | 8.94 | 8.39 | 10.77 |
| 12:23:25  | 10.42         | 10.98 | 9.46 | 9.47 | 8.18 | 8.51 | 0.00 | 0.00 | 8.66 | 9.06 | 9.88  | 9.42 | 9.53 | 8.97 | 8.39 | 10.83 |
| 12:24:20  | 10.45         | 10.99 | 9.49 | 9.50 | 8.21 | 8.55 | 0.00 | 0.00 | 8.69 | 9.08 | 9.91  | 9.47 | 9.57 | 9.00 | 8.43 | 10.86 |
| 12:25:15  | 10.48         | 11.02 | 9.53 | 9.53 | 8.23 | 8.57 | 0.00 | 0.00 | 8.74 | 9.14 | 9.94  | 9.48 | 9.58 | 9.03 | 8.49 | 10.89 |
| 12:26:10  | 10.51         | 11.06 | 9.56 | 9.56 | 8.27 | 8.60 | 0.00 | 0.00 | 8.79 | 9.16 | 9.96  | 9.52 | 9.62 | 9.06 | 8.55 | 10.90 |
| 12:27:05  | 10.57         | 11.10 | 9.61 | 9.61 | 8.33 | 8.64 | 0.00 | 0.00 | 8.87 | 9.22 | 10.01 | 9.54 | 9.67 | 9.11 | 8.59 | 10.98 |
| 12:28:00  | 10.57         | 11.10 | 9.61 | 9.60 | 8.34 | 8.64 | 0.00 | 0.00 | 8.87 | 9.23 | 10.01 | 9.57 | 9.68 | 9.12 | 8.64 | 10.96 |
| 12:28:55  | 10.58         | 11.13 | 9.65 | 9.65 | 8.39 | 8.68 | 0.00 | 0.00 | 8.92 | 9.27 | 10.05 | 9.60 | 9.71 | 9.14 | 8.69 | 11.01 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |       |       |       |       |       |      |      |       |       |       |       |       |       |       |       |
|-----------|---------------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| (hh:mm:ss | 1             | 2     | 3     | 4     | 5     | 6     | 7    | 8    | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| 12:29:50  | 10.66         | 11.19 | 9.72  | 9.70  | 8.46  | 8.74  | 0.00 | 0.00 | 9.00  | 9.33  | 10.10 | 9.67  | 9.78  | 9.20  | 8.76  | 11.07 |
| 12:30:45  | 10.66         | 11.19 | 9.71  | 9.71  | 8.46  | 8.75  | 0.00 | 0.00 | 9.01  | 9.34  | 10.10 | 9.68  | 9.77  | 9.21  | 8.78  | 11.08 |
| 12:31:40  | 10.68         | 11.22 | 9.74  | 9.74  | 8.49  | 8.79  | 0.00 | 0.00 | 9.05  | 9.37  | 10.13 | 9.71  | 9.81  | 9.25  | 8.82  | 11.10 |
| 12:32:35  | 10.74         | 11.26 | 9.81  | 9.79  | 8.55  | 8.85  | 0.00 | 0.00 | 9.12  | 9.44  | 10.18 | 9.77  | 9.85  | 9.29  | 8.89  | 11.17 |
| 12:33:30  | 10.76         | 11.28 | 9.82  | 9.81  | 8.57  | 8.84  | 0.00 | 0.00 | 9.14  | 9.45  | 10.21 | 9.77  | 9.86  | 9.31  | 8.93  | 11.18 |
| 12:34:25  | 10.79         | 11.32 | 9.87  | 9.85  | 8.63  | 8.89  | 0.00 | 0.00 | 9.20  | 9.51  | 10.25 | 9.82  | 9.91  | 9.36  | 8.98  | 11.23 |
| 12:35:20  | 10.81         | 11.33 | 9.88  | 9.87  | 8.64  | 8.92  | 0.00 | 0.00 | 9.23  | 9.51  | 10.26 | 9.82  | 9.93  | 9.37  | 8.97  | 11.27 |
| 12:36:15  | 10.86         | 11.38 | 9.94  | 9.93  | 8.71  | 8.96  | 0.00 | 0.00 | 9.29  | 9.58  | 10.31 | 9.89  | 9.97  | 9.42  | 9.05  | 11.31 |
| 12:37:10  | 10.88         | 11.41 | 9.98  | 9.96  | 8.74  | 9.00  | 0.00 | 0.00 | 9.33  | 9.61  | 10.35 | 9.93  | 9.99  | 9.46  | 9.11  | 11.37 |
| 12:38:05  | 10.89         | 11.41 | 9.98  | 9.97  | 8.75  | 9.02  | 0.00 | 0.00 | 9.36  | 9.61  | 10.35 | 9.93  | 10.01 | 9.47  | 9.09  | 11.38 |
| 12:39:00  | 10.93         | 11.44 | 10.01 | 10.01 | 8.79  | 9.04  | 0.00 | 0.00 | 9.39  | 9.67  | 10.38 | 9.98  | 10.05 | 9.50  | 9.18  | 11.39 |
| 12:39:55  | 10.97         | 11.49 | 10.07 | 10.05 | 8.84  | 9.11  | 0.00 | 0.00 | 9.46  | 9.72  | 10.43 | 10.02 | 10.09 | 9.56  | 9.22  | 11.47 |
| 12:40:50  | 10.98         | 11.48 | 10.09 | 10.07 | 8.87  | 9.11  | 0.00 | 0.00 | 9.49  | 9.74  | 10.44 | 10.02 | 10.11 | 9.57  | 9.25  | 11.46 |
| 12:41:45  | 11.02         | 11.55 | 10.15 | 10.12 | 8.92  | 9.17  | 0.00 | 0.00 | 9.54  | 9.78  | 10.50 | 10.09 | 10.16 | 9.62  | 9.29  | 11.53 |
| 12:42:40  | 11.04         | 11.56 | 10.16 | 10.13 | 8.94  | 9.16  | 0.00 | 0.00 | 9.57  | 9.81  | 10.52 | 10.10 | 10.18 | 9.64  | 9.34  | 11.52 |
| 12:43:35  | 11.07         | 11.57 | 10.21 | 10.17 | 8.97  | 9.20  | 0.00 | 0.00 | 9.60  | 9.85  | 10.55 | 10.14 | 10.21 | 9.67  | 9.39  | 11.55 |
| 12:44:30  | 11.10         | 11.62 | 10.22 | 10.21 | 9.01  | 9.24  | 0.00 | 0.00 | 9.64  | 9.88  | 10.58 | 10.18 | 10.25 | 9.70  | 9.41  | 11.62 |
| 12:45:25  | 11.13         | 11.63 | 10.25 | 10.24 | 9.06  | 9.28  | 0.00 | 0.00 | 9.69  | 9.92  | 10.61 | 10.22 | 10.27 | 9.74  | 9.48  | 11.63 |
| 12:46:20  | 11.18         | 11.69 | 10.31 | 10.28 | 9.11  | 9.33  | 0.00 | 0.00 | 9.74  | 9.97  | 10.66 | 10.26 | 10.33 | 9.78  | 9.53  | 11.68 |
| 12:47:15  | 11.22         | 11.71 | 10.35 | 10.32 | 9.14  | 9.36  | 0.00 | 0.00 | 9.79  | 10.01 | 10.69 | 10.31 | 10.37 | 9.82  | 9.58  | 11.72 |
| 12:48:10  | 11.26         | 11.75 | 10.38 | 10.37 | 9.18  | 9.40  | 0.00 | 0.00 | 9.83  | 10.05 | 10.73 | 10.34 | 10.39 | 9.87  | 9.61  | 11.78 |
| 12:49:05  | 11.26         | 11.74 | 10.41 | 10.37 | 9.19  | 9.40  | 0.00 | 0.00 | 9.85  | 10.06 | 10.74 | 10.34 | 10.41 | 9.87  | 9.63  | 11.75 |
| 12:50:00  | 11.28         | 11.77 | 10.43 | 10.39 | 9.23  | 9.43  | 0.00 | 0.00 | 9.89  | 10.10 | 10.78 | 10.37 | 10.44 | 9.91  | 9.68  | 11.79 |
| 12:50:55  | 11.35         | 11.83 | 10.49 | 10.46 | 9.29  | 9.48  | 0.00 | 0.00 | 9.96  | 10.17 | 10.83 | 10.44 | 10.51 | 9.98  | 9.74  | 11.86 |
| 12:51:50  | 11.38         | 11.86 | 10.53 | 10.49 | 9.33  | 9.53  | 0.00 | 0.00 | 9.99  | 10.19 | 10.86 | 10.46 | 10.53 | 10.01 | 9.77  | 11.90 |
| 12:52:45  | 11.41         | 11.88 | 10.56 | 10.52 | 9.37  | 9.57  | 0.00 | 0.00 | 10.02 | 10.23 | 10.90 | 10.52 | 10.57 | 10.04 | 9.83  | 11.93 |
| 12:53:40  | 11.42         | 11.88 | 10.57 | 10.54 | 9.37  | 9.56  | 0.00 | 0.00 | 10.05 | 10.24 | 10.91 | 10.52 | 10.58 | 10.06 | 9.85  | 11.94 |
| 12:54:35  | 11.46         | 11.94 | 10.63 | 10.59 | 9.43  | 9.62  | 0.00 | 0.00 | 10.12 | 10.29 | 10.96 | 10.58 | 10.63 | 10.11 | 9.89  | 11.99 |
| 12:55:30  | 11.50         | 11.97 | 10.66 | 10.62 | 9.47  | 9.66  | 0.00 | 0.00 | 10.16 | 10.33 | 10.99 | 10.61 | 10.66 | 10.15 | 9.90  | 12.02 |
| 12:56:25  | 11.54         | 11.99 | 10.69 | 10.66 | 9.52  | 9.70  | 0.00 | 0.00 | 10.18 | 10.38 | 11.03 | 10.64 | 10.71 | 10.18 | 9.98  | 12.06 |
| 12:57:20  | 11.57         | 12.03 | 10.73 | 10.68 | 9.53  | 9.74  | 0.00 | 0.00 | 10.22 | 10.42 | 11.06 | 10.69 | 10.73 | 10.22 | 10.01 | 12.11 |
| 12:58:15  | 11.58         | 12.04 | 10.75 | 10.71 | 9.57  | 9.74  | 0.00 | 0.00 | 10.25 | 10.43 | 11.08 | 10.69 | 10.75 | 10.23 | 10.05 | 12.10 |
| 12:59:10  | 11.62         | 12.08 | 10.81 | 10.76 | 9.62  | 9.79  | 0.00 | 0.00 | 10.31 | 10.49 | 11.13 | 10.75 | 10.79 | 10.30 | 10.10 | 12.15 |
| 13:00:05  | 11.66         | 12.12 | 10.84 | 10.79 | 9.65  | 9.84  | 0.00 | 0.00 | 10.36 | 10.52 | 11.17 | 10.78 | 10.84 | 10.34 | 10.14 | 12.19 |
| 13:01:00  | 11.70         | 12.13 | 10.87 | 10.82 | 9.70  | 9.87  | 0.00 | 0.00 | 10.38 | 10.56 | 11.21 | 10.82 | 10.87 | 10.37 | 10.19 | 12.22 |
| 13:01:55  | 11.70         | 12.14 | 10.88 | 10.84 | 9.71  | 9.90  | 0.00 | 0.00 | 10.42 | 10.57 | 11.22 | 10.83 | 10.88 | 10.39 | 10.18 | 12.24 |
| 13:02:50  | 11.76         | 12.19 | 10.94 | 10.90 | 9.77  | 9.94  | 0.00 | 0.00 | 10.49 | 10.63 | 11.27 | 10.88 | 10.94 | 10.46 | 10.26 | 12.27 |
| 13:03:45  | 11.79         | 12.22 | 10.99 | 10.93 | 9.81  | 9.98  | 0.00 | 0.00 | 10.52 | 10.68 | 11.32 | 10.94 | 10.99 | 10.48 | 10.31 | 12.31 |
| 13:04:40  | 11.82         | 12.26 | 11.02 | 10.97 | 9.84  | 10.01 | 0.00 | 0.00 | 10.56 | 10.71 | 11.34 | 10.97 | 11.01 | 10.53 | 10.33 | 12.36 |
| 13:05:35  | 11.83         | 12.26 | 11.03 | 10.98 | 9.85  | 10.03 | 0.00 | 0.00 | 10.58 | 10.72 | 11.36 | 10.99 | 11.03 | 10.54 | 10.36 | 12.38 |
| 13:06:30  | 11.87         | 12.28 | 11.07 | 11.02 | 9.90  | 10.04 | 0.00 | 0.00 | 10.61 | 10.77 | 11.39 | 11.02 | 11.04 | 10.57 | 10.42 | 12.38 |
| 13:07:25  | 11.90         | 12.32 | 11.10 | 11.04 | 9.93  | 10.10 | 0.00 | 0.00 | 10.66 | 10.79 | 11.42 | 11.06 | 11.09 | 10.62 | 10.46 | 12.43 |
| 13:08:20  | 11.95         | 12.37 | 11.16 | 11.10 | 9.98  | 10.15 | 0.00 | 0.00 | 10.71 | 10.86 | 11.48 | 11.11 | 11.15 | 10.66 | 10.51 | 12.47 |
| 13:09:15  | 11.95         | 12.35 | 11.15 | 11.09 | 9.97  | 10.14 | 0.00 | 0.00 | 10.70 | 10.84 | 11.47 | 11.09 | 11.14 | 10.65 | 10.46 | 12.48 |
| 13:10:10  | 12.01         | 12.42 | 11.22 | 11.14 | 10.05 | 10.21 | 0.00 | 0.00 | 10.76 | 10.91 | 11.54 | 11.17 | 11.19 | 10.72 | 10.57 | 12.54 |
| 13:11:05  | 12.02         | 12.45 | 11.26 | 11.19 | 10.08 | 10.24 | 0.00 | 0.00 | 10.81 | 10.94 | 11.57 | 11.19 | 11.23 | 10.76 | 10.59 | 12.57 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |       |       |       |       |       |      |      |       |       |       |       |       |       |       |       |
|-----------|---------------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| (hh:mm:ss | 1             | 2     | 3     | 4     | 5     | 6     | 7    | 8    | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| 13:12:00  | 12.06         | 12.47 | 11.27 | 11.22 | 10.11 | 10.27 | 0.00 | 0.00 | 10.84 | 10.97 | 11.59 | 11.22 | 11.26 | 10.78 | 10.62 | 12.58 |
| 13:12:55  | 12.09         | 12.50 | 11.32 | 11.26 | 10.16 | 10.31 | 0.00 | 0.00 | 10.88 | 11.02 | 11.63 | 11.28 | 11.31 | 10.83 | 10.70 | 12.62 |
| 13:13:50  | 12.14         | 12.52 | 11.36 | 11.30 | 10.21 | 10.34 | 0.00 | 0.00 | 10.92 | 11.06 | 11.67 | 11.29 | 11.34 | 10.86 | 10.74 | 12.64 |
| 13:14:45  | 12.16         | 12.54 | 11.38 | 11.32 | 10.22 | 10.37 | 0.00 | 0.00 | 10.94 | 11.08 | 11.70 | 11.33 | 11.36 | 10.88 | 10.76 | 12.66 |
| 13:15:40  | 12.18         | 12.57 | 11.42 | 11.37 | 10.26 | 10.41 | 0.00 | 0.00 | 10.99 | 11.13 | 11.74 | 11.38 | 11.41 | 10.93 | 10.81 | 12.72 |
| 13:16:35  | 12.21         | 12.58 | 11.44 | 11.38 | 10.27 | 10.42 | 0.00 | 0.00 | 11.01 | 11.14 | 11.74 | 11.37 | 11.42 | 10.95 | 10.78 | 12.72 |
| 13:17:30  | 12.25         | 12.63 | 11.49 | 11.43 | 10.35 | 10.48 | 0.00 | 0.00 | 11.07 | 11.21 | 11.82 | 11.46 | 11.47 | 11.02 | 10.88 | 12.78 |
| 13:18:25  | 12.27         | 12.64 | 11.50 | 11.44 | 10.35 | 10.48 | 0.00 | 0.00 | 11.08 | 11.22 | 11.82 | 11.46 | 11.49 | 11.02 | 10.90 | 12.77 |
| 13:19:20  | 12.30         | 12.68 | 11.55 | 11.47 | 10.38 | 10.53 | 0.00 | 0.00 | 11.12 | 11.26 | 11.85 | 11.51 | 11.52 | 11.06 | 10.94 | 12.81 |
| 13:20:15  | 12.36         | 12.72 | 11.61 | 11.54 | 10.46 | 10.58 | 0.00 | 0.00 | 11.18 | 11.31 | 11.92 | 11.56 | 11.59 | 11.12 | 11.01 | 12.85 |
| 13:21:10  | 12.37         | 12.73 | 11.62 | 11.55 | 10.46 | 10.59 | 0.00 | 0.00 | 11.19 | 11.32 | 11.93 | 11.58 | 11.59 | 11.13 | 11.02 | 12.90 |
| 13:22:05  | 12.39         | 12.76 | 11.64 | 11.59 | 10.51 | 10.63 | 0.00 | 0.00 | 11.24 | 11.35 | 11.97 | 11.61 | 11.63 | 11.18 | 11.06 | 12.90 |
| 13:23:00  | 12.42         | 12.79 | 11.68 | 11.62 | 10.54 | 10.66 | 0.00 | 0.00 | 11.28 | 11.39 | 11.99 | 11.63 | 11.67 | 11.22 | 11.06 | 12.96 |
| 13:23:55  | 12.45         | 12.81 | 11.71 | 11.66 | 10.58 | 10.68 | 0.00 | 0.00 | 11.31 | 11.44 | 12.02 | 11.67 | 11.69 | 11.24 | 11.13 | 12.96 |
| 13:24:50  | 12.49         | 12.85 | 11.77 | 11.70 | 10.61 | 10.74 | 0.00 | 0.00 | 11.34 | 11.47 | 12.07 | 11.71 | 11.74 | 11.28 | 11.16 | 12.99 |
| 13:25:45  | 12.52         | 12.87 | 11.79 | 11.73 | 10.63 | 10.76 | 0.00 | 0.00 | 11.38 | 11.49 | 12.10 | 11.75 | 11.76 | 11.32 | 11.22 | 13.03 |
| 13:26:40  | 12.54         | 12.90 | 11.83 | 11.76 | 10.68 | 10.81 | 0.00 | 0.00 | 11.42 | 11.54 | 12.14 | 11.78 | 11.79 | 11.35 | 11.23 | 13.06 |
| 13:27:35  | 12.58         | 12.94 | 11.85 | 11.81 | 10.72 | 10.85 | 0.00 | 0.00 | 11.46 | 11.58 | 12.17 | 11.82 | 11.84 | 11.39 | 11.26 | 13.12 |
| 13:28:30  | 12.61         | 12.93 | 11.86 | 11.81 | 10.73 | 10.83 | 0.00 | 0.00 | 11.47 | 11.58 | 12.18 | 11.83 | 11.85 | 11.39 | 11.29 | 13.10 |
| 13:29:25  | 12.65         | 12.99 | 11.93 | 11.87 | 10.78 | 10.91 | 0.00 | 0.00 | 11.54 | 11.64 | 12.23 | 11.87 | 11.91 | 11.46 | 11.32 | 13.17 |
| 13:30:20  | 12.63         | 12.99 | 11.94 | 11.88 | 10.79 | 10.92 | 0.00 | 0.00 | 11.55 | 11.64 | 12.24 | 11.89 | 11.91 | 11.46 | 11.33 | 13.18 |
| 13:31:15  | 12.71         | 13.03 | 12.01 | 11.94 | 10.86 | 10.97 | 0.00 | 0.00 | 11.61 | 11.72 | 12.31 | 11.96 | 11.98 | 11.54 | 11.42 | 13.21 |
| 13:32:10  | 12.72         | 13.05 | 12.02 | 11.95 | 10.86 | 10.98 | 0.00 | 0.00 | 11.62 | 11.72 | 12.31 | 11.97 | 11.98 | 11.55 | 11.42 | 13.25 |
| 13:33:05  | 12.74         | 13.08 | 12.04 | 11.98 | 10.89 | 11.02 | 0.00 | 0.00 | 11.65 | 11.76 | 12.34 | 11.99 | 12.02 | 11.58 | 11.49 | 13.25 |
| 13:34:00  | 12.77         | 13.12 | 12.07 | 12.02 | 10.94 | 11.06 | 0.00 | 0.00 | 11.69 | 11.78 | 12.38 | 12.04 | 12.05 | 11.62 | 11.48 | 13.33 |
| 13:34:55  | 12.81         | 13.14 | 12.10 | 12.05 | 10.98 | 11.09 | 0.00 | 0.00 | 11.72 | 11.83 | 12.41 | 12.06 | 12.08 | 11.65 | 11.53 | 13.36 |
| 13:35:50  | 12.84         | 13.16 | 12.15 | 12.09 | 11.01 | 11.13 | 0.00 | 0.00 | 11.77 | 11.86 | 12.44 | 12.10 | 12.12 | 11.68 | 11.56 | 13.38 |
| 13:36:45  | 12.88         | 13.21 | 12.18 | 12.12 | 11.04 | 11.17 | 0.00 | 0.00 | 11.79 | 11.92 | 12.48 | 12.15 | 12.16 | 11.73 | 11.62 | 13.40 |
| 13:37:40  | 12.94         | 13.26 | 12.23 | 12.18 | 11.11 | 11.22 | 0.00 | 0.00 | 11.86 | 11.97 | 12.53 | 12.19 | 12.22 | 11.79 | 11.66 | 13.48 |
| 13:38:35  | 12.92         | 13.23 | 12.23 | 12.17 | 11.09 | 11.22 | 0.00 | 0.00 | 11.86 | 11.96 | 12.52 | 12.18 | 12.21 | 11.78 | 11.65 | 13.44 |
| 13:39:30  | 12.97         | 13.27 | 12.28 | 12.21 | 11.15 | 11.25 | 0.00 | 0.00 | 11.90 | 12.01 | 12.57 | 12.23 | 12.24 | 11.82 | 11.72 | 13.49 |
| 13:40:25  | 13.01         | 13.32 | 12.32 | 12.25 | 11.18 | 11.30 | 0.00 | 0.00 | 11.95 | 12.04 | 12.61 | 12.27 | 12.30 | 11.86 | 11.74 | 13.55 |
| 13:41:20  | 13.03         | 13.33 | 12.34 | 12.28 | 11.22 | 11.33 | 0.00 | 0.00 | 11.98 | 12.07 | 12.64 | 12.31 | 12.32 | 11.90 | 11.78 | 13.58 |
| 13:42:15  | 13.07         | 13.37 | 12.38 | 12.32 | 11.26 | 11.37 | 0.00 | 0.00 | 12.02 | 12.11 | 12.68 | 12.34 | 12.36 | 11.95 | 11.83 | 13.61 |
| 13:43:10  | 13.09         | 13.37 | 12.39 | 12.33 | 11.26 | 11.38 | 0.00 | 0.00 | 12.03 | 12.13 | 12.68 | 12.37 | 12.37 | 11.95 | 11.86 | 13.63 |
| 13:44:05  | 13.12         | 13.41 | 12.43 | 12.37 | 11.31 | 11.42 | 0.00 | 0.00 | 12.07 | 12.17 | 12.72 | 12.38 | 12.41 | 11.98 | 11.86 | 13.66 |
| 13:45:00  | 13.14         | 13.43 | 12.45 | 12.39 | 11.34 | 11.44 | 0.00 | 0.00 | 12.09 | 12.21 | 12.74 | 12.42 | 12.43 | 12.02 | 11.94 | 13.69 |
| 13:45:55  | 13.16         | 13.46 | 12.49 | 12.41 | 11.38 | 11.47 | 0.00 | 0.00 | 12.14 | 12.23 | 12.78 | 12.45 | 12.46 | 12.05 | 11.97 | 13.69 |
| 13:46:50  | 13.17         | 13.48 | 12.51 | 12.43 | 11.38 | 11.49 | 0.00 | 0.00 | 12.14 | 12.24 | 12.79 | 12.47 | 12.47 | 12.06 | 11.98 | 13.71 |
| 13:47:45  | 13.23         | 13.52 | 12.57 | 12.49 | 11.43 | 11.54 | 0.00 | 0.00 | 12.21 | 12.29 | 12.84 | 12.52 | 12.53 | 12.12 | 12.02 | 13.79 |
| 13:48:40  | 13.26         | 13.54 | 12.59 | 12.52 | 11.47 | 11.58 | 0.00 | 0.00 | 12.24 | 12.33 | 12.87 | 12.54 | 12.54 | 12.14 | 12.07 | 13.78 |
| 13:49:35  | 13.29         | 13.58 | 12.63 | 12.56 | 11.51 | 11.62 | 0.00 | 0.00 | 12.27 | 12.36 | 12.91 | 12.57 | 12.58 | 12.18 | 12.08 | 13.86 |
| 13:50:30  | 13.32         | 13.61 | 12.65 | 12.58 | 11.53 | 11.64 | 0.00 | 0.00 | 12.30 | 12.39 | 12.93 | 12.61 | 12.62 | 12.22 | 12.12 | 13.87 |
| 13:51:25  | 13.36         | 13.63 | 12.69 | 12.62 | 11.57 | 11.67 | 0.00 | 0.00 | 12.34 | 12.42 | 12.97 | 12.64 | 12.66 | 12.26 | 12.14 | 13.87 |
| 13:52:20  | 13.36         | 13.64 | 12.69 | 12.63 | 11.58 | 11.68 | 0.00 | 0.00 | 12.34 | 12.44 | 12.98 | 12.66 | 12.68 | 12.27 | 12.18 | 13.87 |
| 13:53:15  | 13.42         | 13.68 | 12.76 | 12.68 | 11.64 | 11.75 | 0.00 | 0.00 | 12.41 | 12.50 | 13.04 | 12.71 | 12.72 | 12.33 | 12.23 | 13.91 |

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## DATA COLLECTION REPORT

Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.

Thursday, June 22, 2006 1:17:42 pm

FILE NAME : E:\CHILLER2.C32

| TIME     | THERMOCOUPLES |       |       |       |       |       |      |      |       |       |       |       |       |       |       |       |
|----------|---------------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| (hh:mm:s | 1             | 2     | 3     | 4     | 5     | 6     | 7    | 8    | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| 13:54:10 | 13.45         | 13.72 | 12.78 | 12.72 | 11.68 | 11.77 | 0.00 | 0.00 | 12.44 | 12.53 | 13.08 | 12.74 | 12.76 | 12.36 | 12.27 | 13.93 |
| 13:55:05 | 13.47         | 13.74 | 12.82 | 12.74 | 11.71 | 11.82 | 0.00 | 0.00 | 12.47 | 12.56 | 13.11 | 12.78 | 12.78 | 12.39 | 12.30 | 13.97 |
| 13:56:00 | 13.48         | 13.73 | 12.81 | 12.76 | 11.71 | 11.81 | 0.00 | 0.00 | 12.48 | 12.57 | 13.11 | 12.79 | 12.79 | 12.39 | 12.32 | 13.97 |
| 13:56:55 | 13.52         | 13.77 | 12.85 | 12.78 | 11.75 | 11.86 | 0.00 | 0.00 | 12.51 | 12.61 | 13.13 | 12.83 | 12.83 | 12.43 | 12.33 | 14.03 |
| 13:57:50 | 13.53         | 13.80 | 12.88 | 12.80 | 11.78 | 11.89 | 0.00 | 0.00 | 12.54 | 12.63 | 13.17 | 12.85 | 12.85 | 12.46 | 12.34 | 14.06 |
| 13:58:45 | 13.57         | 13.83 | 12.92 | 12.85 | 11.81 | 11.92 | 0.00 | 0.00 | 12.57 | 12.66 | 13.20 | 12.89 | 12.89 | 12.50 | 12.39 | 14.07 |
| 13:59:40 | 13.62         | 13.87 | 12.97 | 12.90 | 11.87 | 11.96 | 0.00 | 0.00 | 12.62 | 12.72 | 13.24 | 12.94 | 12.93 | 12.54 | 12.45 | 14.10 |
| 14:00:35 | 13.65         | 13.91 | 13.00 | 12.93 | 11.91 | 11.99 | 0.00 | 0.00 | 12.68 | 12.76 | 13.29 | 12.97 | 12.97 | 12.58 | 12.48 | 14.12 |
| 14:01:30 | 13.67         | 13.92 | 13.04 | 12.97 | 11.95 | 12.03 | 0.00 | 0.00 | 12.70 | 12.79 | 13.32 | 12.99 | 13.00 | 12.61 | 12.54 | 14.14 |
| 14:02:25 | 13.71         | 13.95 | 13.06 | 13.00 | 11.98 | 12.06 | 0.00 | 0.00 | 12.73 | 12.82 | 13.34 | 13.02 | 13.03 | 12.64 | 12.57 | 14.18 |
| 14:03:20 | 13.71         | 13.95 | 13.08 | 13.00 | 11.98 | 12.08 | 0.00 | 0.00 | 12.73 | 12.83 | 13.36 | 13.02 | 13.03 | 12.66 | 12.54 | 14.19 |
| 14:04:15 | 13.72         | 13.95 | 13.09 | 13.02 | 11.99 | 12.09 | 0.00 | 0.00 | 12.74 | 12.84 | 13.36 | 13.06 | 13.06 | 12.67 | 12.57 | 14.21 |
| 14:05:10 | 13.76         | 14.01 | 13.13 | 13.06 | 12.05 | 12.14 | 0.00 | 0.00 | 12.79 | 12.89 | 13.42 | 13.09 | 13.11 | 12.72 | 12.62 | 14.23 |
| 14:06:05 | 13.79         | 14.03 | 13.16 | 13.09 | 12.08 | 12.16 | 0.00 | 0.00 | 12.82 | 12.92 | 13.44 | 13.13 | 13.13 | 12.74 | 12.66 | 14.26 |
| 14:07:00 | 13.83         | 14.07 | 13.19 | 13.13 | 12.11 | 12.21 | 0.00 | 0.00 | 12.87 | 12.94 | 13.47 | 13.16 | 13.16 | 12.78 | 12.67 | 14.30 |
| 14:07:55 | 13.84         | 14.08 | 13.23 | 13.16 | 12.14 | 12.23 | 0.00 | 0.00 | 12.90 | 12.97 | 13.51 | 13.18 | 13.19 | 12.82 | 12.71 | 14.31 |
| 14:08:50 | 13.87         | 14.10 | 13.26 | 13.19 | 12.18 | 12.26 | 0.00 | 0.00 | 12.93 | 13.02 | 13.53 | 13.22 | 13.22 | 12.83 | 12.77 | 14.35 |
| 14:09:45 | 13.91         | 14.14 | 13.29 | 13.22 | 12.21 | 12.30 | 0.00 | 0.00 | 12.96 | 13.03 | 13.56 | 13.25 | 13.25 | 12.88 | 12.77 | 14.41 |
| 14:10:40 | 13.92         | 14.16 | 13.32 | 13.25 | 12.23 | 12.33 | 0.00 | 0.00 | 12.98 | 13.06 | 13.58 | 13.27 | 13.28 | 12.92 | 12.80 | 14.38 |
| 14:11:35 | 13.93         | 14.18 | 13.33 | 13.27 | 12.26 | 12.34 | 0.00 | 0.00 | 13.01 | 13.08 | 13.59 | 13.29 | 13.31 | 12.93 | 12.83 | 14.39 |
| 14:12:30 | 13.97         | 14.21 | 13.37 | 13.31 | 12.28 | 12.38 | 0.00 | 0.00 | 13.03 | 13.13 | 13.64 | 13.32 | 13.32 | 12.96 | 12.85 | 14.44 |
| 14:13:25 | 14.02         | 14.26 | 13.42 | 13.34 | 12.34 | 12.43 | 0.00 | 0.00 | 13.09 | 13.16 | 13.68 | 13.38 | 13.39 | 13.01 | 12.90 | 14.50 |
| 14:14:20 | 14.02         | 14.26 | 13.43 | 13.37 | 12.36 | 12.44 | 0.00 | 0.00 | 13.09 | 13.18 | 13.68 | 13.38 | 13.38 | 13.02 | 12.91 | 14.51 |
| 14:15:15 | 14.04         | 14.28 | 13.46 | 13.39 | 12.38 | 12.47 | 0.00 | 0.00 | 13.13 | 13.22 | 13.72 | 13.43 | 13.42 | 13.05 | 12.97 | 14.52 |
| 14:16:10 | 14.08         | 14.31 | 13.48 | 13.43 | 12.42 | 12.49 | 0.00 | 0.00 | 13.16 | 13.26 | 13.75 | 13.45 | 13.45 | 13.08 | 13.01 | 14.54 |
| 14:17:05 | 14.11         | 14.34 | 13.52 | 13.46 | 12.45 | 12.53 | 0.00 | 0.00 | 13.19 | 13.28 | 13.79 | 13.48 | 13.48 | 13.12 | 13.03 | 14.56 |
| 14:18:00 | 14.14         | 14.38 | 13.55 | 13.48 | 12.49 | 12.56 | 0.00 | 0.00 | 13.22 | 13.31 | 13.81 | 13.52 | 13.52 | 13.14 | 13.07 | 14.59 |
| 14:18:55 | 14.14         | 14.38 | 13.55 | 13.49 | 12.49 | 12.58 | 0.00 | 0.00 | 13.24 | 13.32 | 13.81 | 13.52 | 13.51 | 13.16 | 13.04 | 14.63 |
| 14:19:50 | 14.19         | 14.42 | 13.62 | 13.54 | 12.54 | 12.64 | 0.00 | 0.00 | 13.29 | 13.36 | 13.87 | 13.56 | 13.57 | 13.20 | 13.09 | 14.67 |
| 14:20:45 | 14.22         | 14.45 | 13.63 | 13.57 | 12.58 | 12.65 | 0.00 | 0.00 | 13.32 | 13.41 | 13.89 | 13.60 | 13.60 | 13.24 | 13.17 | 14.66 |
| 14:21:40 | 14.22         | 14.45 | 13.64 | 13.59 | 12.59 | 12.67 | 0.00 | 0.00 | 13.32 | 13.41 | 13.90 | 13.61 | 13.60 | 13.25 | 13.14 | 14.70 |
| 14:22:35 | 14.27         | 14.50 | 13.69 | 13.64 | 12.64 | 12.72 | 0.00 | 0.00 | 13.37 | 13.46 | 13.94 | 13.66 | 13.64 | 13.29 | 13.19 | 14.76 |
| 14:23:30 | 14.30         | 14.53 | 13.73 | 13.66 | 12.67 | 12.76 | 0.00 | 0.00 | 13.40 | 13.48 | 13.97 | 13.68 | 13.68 | 13.33 | 13.23 | 14.76 |
| 14:24:25 | 14.30         | 14.52 | 13.73 | 13.67 | 12.68 | 12.76 | 0.00 | 0.00 | 13.41 | 13.49 | 13.97 | 13.69 | 13.68 | 13.33 | 13.25 | 14.76 |
| 14:25:20 | 14.33         | 14.56 | 13.75 | 13.69 | 12.71 | 12.78 | 0.00 | 0.00 | 13.44 | 13.51 | 13.99 | 13.71 | 13.71 | 13.37 | 13.26 | 14.79 |
| 14:26:15 | 14.36         | 14.57 | 13.79 | 13.72 | 12.73 | 12.82 | 0.00 | 0.00 | 13.48 | 13.54 | 14.03 | 13.75 | 13.74 | 13.39 | 13.29 | 14.81 |
| 14:27:10 | 14.38         | 14.59 | 13.81 | 13.75 | 12.76 | 12.85 | 0.00 | 0.00 | 13.51 | 13.57 | 14.06 | 13.78 | 13.77 | 13.42 | 13.32 | 14.85 |
| 14:28:05 | 14.41         | 14.63 | 13.83 | 13.78 | 12.80 | 12.87 | 0.00 | 0.00 | 13.52 | 13.62 | 14.09 | 13.80 | 13.79 | 13.45 | 13.39 | 14.85 |
| 14:29:00 | 14.44         | 14.66 | 13.87 | 13.82 | 12.82 | 12.92 | 0.00 | 0.00 | 13.58 | 13.64 | 14.13 | 13.83 | 13.83 | 13.49 | 13.40 | 14.89 |
| 14:29:55 | 14.48         | 14.68 | 13.90 | 13.83 | 12.86 | 12.94 | 0.00 | 0.00 | 13.59 | 13.67 | 14.17 | 13.86 | 13.86 | 13.51 | 13.45 | 14.89 |
| 14:30:50 | 14.50         | 14.72 | 13.93 | 13.87 | 12.89 | 12.97 | 0.00 | 0.00 | 13.63 | 13.69 | 14.19 | 13.88 | 13.88 | 13.55 | 13.46 | 14.93 |
| 14:31:45 | 14.52         | 14.73 | 13.96 | 13.88 | 12.93 | 13.00 | 0.00 | 0.00 | 13.64 | 13.72 | 14.21 | 13.91 | 13.92 | 13.57 | 13.49 | 14.96 |
| 14:32:40 | 14.54         | 14.76 | 13.98 | 13.92 | 12.96 | 13.03 | 0.00 | 0.00 | 13.67 | 13.76 | 14.23 | 13.94 | 13.94 | 13.60 | 13.51 | 14.97 |
| 14:33:35 | 14.57         | 14.78 | 14.02 | 13.96 | 12.97 | 13.07 | 0.00 | 0.00 | 13.71 | 13.77 | 14.26 | 13.96 | 13.96 | 13.63 | 13.52 | 15.03 |
| 14:34:30 | 14.57         | 14.78 | 14.02 | 13.96 | 12.98 | 13.05 | 0.00 | 0.00 | 13.71 | 13.79 | 14.26 | 13.98 | 13.97 | 13.64 | 13.56 | 15.02 |
| 14:35:25 | 14.61         | 14.82 | 14.04 | 13.99 | 13.02 | 13.11 | 0.00 | 0.00 | 13.75 | 13.82 | 14.30 | 14.01 | 13.99 | 13.67 | 13.57 | 15.07 |

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**DATA COLLECTION REPORT**  
Generated by CALSoft32 Analyze 2.0.0 CW1249 © 1996, TechniCAL, Inc.  
Thursday, June 22, 2006 1:17:43 pm

FILE NAME : E:\CHILLER2.C32

| TIME      | THERMOCOUPLES |       |       |       |       |       |      |      |       |       |       |       |       |       |       |       |
|-----------|---------------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| (hh:mm:ss | 1             | 2     | 3     | 4     | 5     | 6     | 7    | 8    | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| 14:36:20  | 14.64         | 14.85 | 14.08 | 14.02 | 13.05 | 13.13 | 0.00 | 0.00 | 13.77 | 13.84 | 14.33 | 14.03 | 14.03 | 13.71 | 13.59 | 15.08 |
| 14:37:15  | 14.67         | 14.87 | 14.10 | 14.04 | 13.09 | 13.16 | 0.00 | 0.00 | 13.81 | 13.87 | 14.36 | 14.06 | 14.06 | 13.73 | 13.62 | 15.11 |
| 14:38:10  | 14.68         | 14.89 | 14.13 | 14.06 | 13.11 | 13.18 | 0.00 | 0.00 | 13.82 | 13.89 | 14.38 | 14.11 | 14.08 | 13.75 | 13.67 | 15.12 |
| 14:39:05  | 14.72         | 14.91 | 14.15 | 14.10 | 13.12 | 13.21 | 0.00 | 0.00 | 13.84 | 13.93 | 14.41 | 14.12 | 14.11 | 13.77 | 13.71 | 15.12 |
| 14:40:00  | 14.77         | 14.96 | 14.21 | 14.15 | 13.19 | 13.27 | 0.00 | 0.00 | 13.90 | 13.99 | 14.46 | 14.18 | 14.17 | 13.83 | 13.76 | 15.19 |
| 14:40:55  | 14.76         | 14.97 | 14.23 | 14.17 | 13.20 | 13.28 | 0.00 | 0.00 | 13.90 | 13.99 | 14.46 | 14.18 | 14.18 | 13.83 | 13.78 | 15.18 |
| 14:41:50  | 14.78         | 14.99 | 14.24 | 14.19 | 13.22 | 13.31 | 0.00 | 0.00 | 13.92 | 14.01 | 14.49 | 14.21 | 14.19 | 13.86 | 13.75 | 15.24 |
| 14:42:45  | 14.81         | 15.02 | 14.27 | 14.22 | 13.26 | 13.34 | 0.00 | 0.00 | 13.96 | 14.03 | 14.52 | 14.23 | 14.22 | 13.89 | 13.81 | 15.26 |
| 14:43:40  | 14.84         | 15.03 | 14.29 | 14.24 | 13.28 | 13.35 | 0.00 | 0.00 | 13.98 | 14.06 | 14.54 | 14.25 | 14.24 | 13.91 | 13.83 | 15.26 |
| 14:44:35  | 14.87         | 15.06 | 14.32 | 14.26 | 13.32 | 13.38 | 0.00 | 0.00 | 14.02 | 14.10 | 14.57 | 14.29 | 14.27 | 13.94 | 13.87 | 15.28 |
| 14:45:30  | 14.91         | 15.09 | 14.36 | 14.30 | 13.35 | 13.44 | 0.00 | 0.00 | 14.06 | 14.13 | 14.59 | 14.33 | 14.31 | 13.98 | 13.87 | 15.34 |
| 14:46:25  | 14.92         | 15.11 | 14.38 | 14.31 | 13.38 | 13.44 | 0.00 | 0.00 | 14.07 | 14.14 | 14.61 | 14.34 | 14.33 | 14.01 | 13.90 | 15.35 |
| 14:47:20  | 14.96         | 15.13 | 14.41 | 14.36 | 13.41 | 13.48 | 0.00 | 0.00 | 14.10 | 14.19 | 14.64 | 14.37 | 14.36 | 14.03 | 13.95 | 15.35 |
| 14:48:15  | 14.98         | 15.17 | 14.44 | 14.38 | 13.44 | 13.51 | 0.00 | 0.00 | 14.13 | 14.21 | 14.67 | 14.39 | 14.39 | 14.06 | 13.96 | 15.39 |
| 14:49:10  | 15.01         | 15.20 | 14.47 | 14.41 | 13.47 | 13.55 | 0.00 | 0.00 | 14.16 | 14.23 | 14.71 | 14.43 | 14.41 | 14.10 | 13.99 | 15.43 |
| 14:50:05  | 15.04         | 15.21 | 14.50 | 14.44 | 13.49 | 13.57 | 0.00 | 0.00 | 14.19 | 14.26 | 14.73 | 14.47 | 14.44 | 14.12 | 14.02 | 15.46 |
| 14:51:00  | 15.03         | 15.21 | 14.51 | 14.45 | 13.51 | 13.57 | 0.00 | 0.00 | 14.21 | 14.26 | 14.73 | 14.46 | 14.45 | 14.13 | 14.03 | 15.43 |
| 14:51:55  | 15.07         | 15.24 | 14.52 | 14.47 | 13.53 | 13.61 | 0.00 | 0.00 | 14.22 | 14.30 | 14.76 | 14.50 | 14.48 | 14.16 | 14.06 | 15.48 |
| 14:52:50  | 15.08         | 15.27 | 14.54 | 14.50 | 13.56 | 13.63 | 0.00 | 0.00 | 14.25 | 14.32 | 14.79 | 14.52 | 14.51 | 14.18 | 14.08 | 15.50 |
| 14:53:45  | 15.11         | 15.29 | 14.58 | 14.52 | 13.59 | 13.67 | 0.00 | 0.00 | 14.28 | 14.36 | 14.81 | 14.54 | 14.53 | 14.22 | 14.12 | 15.50 |
| 14:54:40  | 15.12         | 15.29 | 14.60 | 14.54 | 13.61 | 13.67 | 0.00 | 0.00 | 14.30 | 14.38 | 14.82 | 14.57 | 14.54 | 14.22 | 14.17 | 15.52 |
| 14:55:35  | 15.15         | 15.32 | 14.64 | 14.57 | 13.64 | 13.71 | 0.00 | 0.00 | 14.32 | 14.41 | 14.87 | 14.59 | 14.57 | 14.26 | 14.19 | 15.55 |
| 14:56:30  | 15.18         | 15.36 | 14.66 | 14.61 | 13.67 | 13.74 | 0.00 | 0.00 | 14.36 | 14.45 | 14.89 | 14.62 | 14.61 | 14.30 | 14.23 | 15.58 |
| 14:57:25  | 15.20         | 15.38 | 14.69 | 14.63 | 13.69 | 13.76 | 0.00 | 0.00 | 14.38 | 14.46 | 14.92 | 14.64 | 14.62 | 14.31 | 14.26 | 15.59 |
| 14:58:20  | 15.23         | 15.41 | 14.72 | 14.65 | 13.72 | 13.80 | 0.00 | 0.00 | 14.41 | 14.50 | 14.94 | 14.68 | 14.66 | 14.34 | 14.27 | 15.64 |
| 14:59:15  | 15.26         | 15.43 | 14.73 | 14.68 | 13.76 | 13.82 | 0.00 | 0.00 | 14.43 | 14.52 | 14.96 | 14.71 | 14.68 | 14.37 | 14.30 | 15.65 |
| 15:00:10  | 15.27         | 15.44 | 14.76 | 14.71 | 13.78 | 13.84 | 0.00 | 0.00 | 14.46 | 14.54 | 14.99 | 14.73 | 14.69 | 14.39 | 14.34 | 15.66 |
| 15:01:05  | 15.28         | 15.44 | 14.76 | 14.73 | 13.79 | 13.84 | 0.00 | 0.00 | 14.47 | 14.56 | 15.00 | 14.73 | 14.71 | 14.41 | 14.34 | 15.67 |
| 15:02:00  | 15.29         | 15.47 | 14.78 | 14.74 | 13.81 | 13.87 | 0.00 | 0.00 | 14.49 | 14.57 | 15.02 | 14.76 | 14.73 | 14.42 | 14.34 | 15.69 |
| 15:02:55  | 15.32         | 15.49 | 14.82 | 14.76 | 13.83 | 13.90 | 0.00 | 0.00 | 14.52 | 14.59 | 15.04 | 14.77 | 14.76 | 14.45 | 14.38 | 15.70 |
| 15:03:50  | 15.35         | 15.52 | 14.85 | 14.79 | 13.86 | 13.93 | 0.00 | 0.00 | 14.53 | 14.62 | 15.06 | 14.81 | 14.78 | 14.47 | 14.41 | 15.74 |
| 15:04:45  | 15.39         | 15.57 | 14.89 | 14.84 | 13.92 | 13.99 | 0.00 | 0.00 | 14.58 | 14.66 | 15.11 | 14.85 | 14.84 | 14.53 | 14.46 | 15.81 |
| 15:05:40  | 15.42         | 15.58 | 14.92 | 14.87 | 13.94 | 13.99 | 0.00 | 0.00 | 14.61 | 14.70 | 15.13 | 14.88 | 14.86 | 14.57 | 14.49 | 15.81 |
| 15:06:35  | 15.42         | 15.58 | 14.91 | 14.86 | 13.94 | 14.01 | 0.00 | 0.00 | 14.60 | 14.71 | 15.13 | 14.89 | 14.86 | 14.56 | 14.50 | 15.80 |
| 15:07:30  | 15.46         | 15.63 | 14.97 | 14.92 | 13.99 | 14.06 | 0.00 | 0.00 | 14.67 | 14.73 | 15.19 | 14.92 | 14.92 | 14.60 | 14.51 | 15.88 |
| 15:08:25  | 15.49         | 15.65 | 14.99 | 14.93 | 14.02 | 14.07 | 0.00 | 0.00 | 14.70 | 14.76 | 15.21 | 14.95 | 14.93 | 14.62 | 14.56 | 15.86 |
| 15:09:20  | 15.51         | 15.68 | 15.01 | 14.96 | 14.04 | 14.10 | 0.00 | 0.00 | 14.71 | 14.81 | 15.23 | 14.98 | 14.96 | 14.64 | 14.58 | 15.90 |
| 15:10:15  | 15.53         | 15.70 | 15.04 | 14.98 | 14.07 | 14.13 | 0.00 | 0.00 | 14.73 | 14.82 | 15.24 | 14.99 | 14.98 | 14.68 | 14.60 | 15.91 |
| 15:11:10  | 15.53         | 15.71 | 15.04 | 15.00 | 14.07 | 14.15 | 0.00 | 0.00 | 14.73 | 14.83 | 15.26 | 15.01 | 14.98 | 14.69 | 14.60 | 15.94 |
| 15:12:05  | 15.56         | 15.73 | 15.06 | 15.01 | 14.09 | 14.16 | 0.00 | 0.00 | 14.76 | 14.86 | 15.27 | 15.03 | 14.99 | 14.71 | 14.65 | 15.93 |
| 15:13:00  | 15.58         | 15.73 | 15.08 | 15.03 | 14.13 | 14.18 | 0.00 | 0.00 | 14.77 | 14.87 | 15.30 | 15.04 | 15.02 | 14.73 | 14.67 | 15.97 |
| 15:13:55  | 15.61         | 15.76 | 15.11 | 15.04 | 14.15 | 14.21 | 0.00 | 0.00 | 14.81 | 14.89 | 15.33 | 15.07 | 15.04 | 14.76 | 14.69 | 16.00 |
| 15:14:50  | 15.64         | 15.81 | 15.16 | 15.11 | 14.19 | 14.26 | 0.00 | 0.00 | 14.87 | 14.94 | 15.38 | 15.12 | 15.09 | 14.81 | 14.74 | 16.01 |