

uRADMonitor Geiger tube SBM-19 performance measurements

<http://uradmonitor.pocketmagic.net>

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2013-Feb-16

Results:

| | | | | | |
|----------------|--------|--------|--------|--------|--------|
| Voltage | 349.33 | 375.64 | 399.65 | 424.71 | 449.51 |
| CPM | 65.88 | 78.62 | 79.98 | 80.18 | 79.68 |

Tube voltage: 350V

| Index | Time (GMT+2) | Local Time | Measured Voltage (V) | Inverter Duty Cycle (‰) | Temp DS1820 (°C) | Temp DHT22 (°C) | Humidity DHT22 (RH) | Lumi (Photodiode) (RL) | Temp BMP085 (°C) | Pressure BMP085 (Pa) | Radiation SBM19 (CPM) |
|-------|----------------------|------------|----------------------|-------------------------|------------------|-----------------|---------------------|------------------------|------------------|----------------------|-----------------------|
| 1 | 13.Feb.2013 18:29:19 | 0:01:00 | 350 | 44 | 15.5 | 16.5 | 47 | 0 | 14 | 100075 | 69 |
| 2 | 13.Feb.2013 18:30:19 | 0:02:00 | 349 | 43 | 14.5 | 16 | 47.2 | 0 | 13 | 100093 | 56 |
| 3 | 13.Feb.2013 18:31:19 | 0:03:00 | 349 | 43 | 14 | 15.1 | 50.8 | 0 | 13 | 100109 | 64 |
| 4 | 13.Feb.2013 18:32:18 | 0:04:00 | 350 | 43 | 13 | 14.5 | 52.6 | 0 | 12 | 100059 | 74 |
| 5 | 13.Feb.2013 18:33:18 | 0:05:00 | 349 | 43 | 13 | 13.7 | 54.7 | 0 | 12 | 100100 | 61 |
| 6 | 13.Feb.2013 18:35:18 | 0:07:00 | 350 | 43 | 12 | 12.6 | 58.7 | 0 | 11 | 100137 | 68 |
| 7 | 13.Feb.2013 18:36:18 | 0:08:00 | 350 | 43 | 12 | 12.2 | 59.9 | 0 | 11 | 100086 | 64 |
| 8 | 13.Feb.2013 18:37:18 | 0:09:00 | 350 | 43 | 12 | 11.8 | 61.9 | 0 | 10 | 100119 | 54 |
| 9 | 13.Feb.2013 18:38:18 | 0:10:00 | 350 | 43 | 11.5 | 11.5 | 65 | 0 | 10 | 100077 | 55 |
| 10 | 13.Feb.2013 18:39:18 | 0:11:00 | 350 | 43 | 11.5 | 11.2 | 65.9 | 0 | 10 | 100095 | 68 |
| 11 | 13.Feb.2013 18:40:18 | 0:12:00 | 350 | 43 | 11.5 | 11 | 66.1 | 0 | 10 | 100065 | 62 |
| 12 | 13.Feb.2013 18:42:00 | 0:01:00 | 349 | 42 | 11.5 | 10.7 | 68 | 0 | 10 | 100074 | 76 |
| 13 | 13.Feb.2013 18:42:59 | 0:02:00 | 349 | 42 | 11.5 | 10.6 | 68.4 | 0 | 10 | 100078 | 72 |
| 14 | 13.Feb.2013 18:43:59 | 0:03:00 | 349 | 42 | 12 | 10.5 | 67.5 | 0 | 10 | 100079 | 69 |
| 15 | 13.Feb.2013 18:44:59 | 0:04:00 | 349 | 42 | 12 | 10.5 | 68 | 0 | 9 | 100075 | 64 |
| 16 | 13.Feb.2013 18:45:59 | 0:05:00 | 350 | 42 | 11.5 | 10.5 | 68.6 | 0 | 9 | 100062 | 68 |
| 17 | 13.Feb.2013 18:46:59 | 0:06:00 | 349 | 42 | 11.5 | 10.4 | 69.9 | 0 | 9 | 100090 | 71 |
| 18 | 13.Feb.2013 18:47:59 | 0:07:00 | 349 | 42 | 11.5 | 10.4 | 69.9 | 0 | 9 | 100070 | 58 |
| 19 | 13.Feb.2013 18:48:59 | 0:08:00 | 350 | 42 | 11.5 | 10.3 | 70.9 | 0 | 9 | 100090 | 69 |
| 20 | 13.Feb.2013 18:49:59 | 0:09:00 | 350 | 42 | 11.5 | 10.1 | 70 | 0 | 9 | 100095 | 66 |
| 21 | 13.Feb.2013 18:50:59 | 0:10:00 | 350 | 42 | 11.5 | 10.1 | 70.3 | 0 | 9 | 100092 | 64 |
| 22 | 13.Feb.2013 18:51:59 | 0:11:00 | 350 | 42 | 11.5 | 10.1 | 69.4 | 0 | 9 | 100086 | 82 |
| 23 | 13.Feb.2013 18:52:59 | 0:12:00 | 349 | 42 | 11.5 | 10.2 | 69 | 0 | 9 | 100070 | 69 |
| 24 | 13.Feb.2013 18:53:59 | 0:13:00 | 350 | 42 | 12 | 10.2 | 69.1 | 0 | 9 | 100088 | 77 |
| 25 | 13.Feb.2013 18:54:59 | 0:14:00 | 350 | 42 | 12 | 10.2 | 68.8 | 0 | 9 | 100090 | 72 |
| 26 | 13.Feb.2013 18:55:59 | 0:15:00 | 350 | 42 | 12 | 10.2 | 69.9 | 0 | 9 | 100095 | 58 |
| 27 | 13.Feb.2013 18:56:59 | 0:16:00 | 350 | 42 | 11.5 | 10.2 | 70.5 | 0 | 9 | 100114 | 66 |
| 28 | 13.Feb.2013 18:57:59 | 0:17:00 | 350 | 42 | 11.5 | 10.2 | 70.5 | 0 | 9 | 100109 | 58 |
| 29 | 13.Feb.2013 18:58:59 | 0:18:00 | 350 | 42 | 11.5 | 10.2 | 69.9 | 0 | 9 | 100095 | 70 |
| 30 | 13.Feb.2013 18:59:59 | 0:19:00 | 350 | 42 | 11.5 | 10.1 | 69.5 | 0 | 9 | 100100 | 72 |
| 31 | 13.Feb.2013 19:00:59 | 0:20:00 | 350 | 42 | 11.5 | 10.1 | 69.7 | 0 | 9 | 100096 | 68 |
| 32 | 13.Feb.2013 19:01:59 | 0:21:00 | 350 | 42 | 11.5 | 10.2 | 71.4 | 0 | 9 | 100088 | 72 |
| 33 | 13.Feb.2013 19:02:59 | 0:22:00 | 350 | 42 | 11.5 | 10.1 | 71.4 | 0 | 9 | 100096 | 56 |
| 34 | 13.Feb.2013 19:03:59 | 0:23:00 | 348 | 41 | 11.5 | 10.2 | 71.3 | 0 | 9 | 100103 | 58 |
| 35 | 13.Feb.2013 19:04:59 | 0:24:00 | 348 | 41 | 11.5 | 10.2 | 71.4 | 0 | 9 | 100137 | 63 |
| 36 | 13.Feb.2013 19:05:59 | 0:25:00 | 348 | 41 | 12 | 10.2 | 71.9 | 0 | 9 | 100094 | 65 |
| 37 | 13.Feb.2013 19:06:59 | 0:26:00 | 348 | 41 | 11.5 | 10.2 | 71.9 | 0 | 9 | 100096 | 66 |
| 38 | 13.Feb.2013 19:07:59 | 0:27:00 | 348 | 41 | 11.5 | 10.2 | 71.6 | 0 | 9 | 100101 | 67 |
| 39 | 13.Feb.2013 19:08:59 | 0:28:00 | 348 | 40 | 11.5 | 10.2 | 71.7 | 0 | 9 | 100094 | 79 |

| | | | | | | | | | | | |
|-------------|----------------------|---------|---------------|--------------|------|------|------|---|---|--------|--------------|
| 40 | 13.Feb.2013 19:09:58 | 0:29:00 | 348 | 41 | 11.5 | 10.2 | 72.3 | 0 | 9 | 100097 | 61 |
| 41 | 13.Feb.2013 19:10:58 | 0:30:00 | 348 | 41 | 11.5 | 10.2 | 72.8 | 0 | 9 | 100113 | 59 |
| 42 | 13.Feb.2013 19:11:58 | 0:31:00 | 348 | 41 | 11 | 10.1 | 73 | 0 | 9 | 100091 | 57 |
| 350V | | | 349.33 | 42.05 | | | | | | | 65.88 |

Tube voltage: 375V

| Index | Time (GMT+2) | Local Time | Measured Voltage (V) | Inverter Duty Cycle (%) | Temp DS1820 (°C) | Temp DHT22 (°C) | Humidity DHT22 (RH) | Lumi (Photodiode) (RL) | Temp BMP085 (°C) | Pressure BMP085 (Pa) | Radiation SBM19 (CPM) |
|-------|----------------------|------------|----------------------|-------------------------|------------------|-----------------|---------------------|------------------------|------------------|----------------------|-----------------------|
| 1 | 16.Feb.2013 15:15:26 | 0:01:00 | 375 | 57 | 11 | 9.8 | 93.8 | 336 | 9 | 100747 | 75 |
| 2 | 16.Feb.2013 15:16:26 | 0:02:00 | 375 | 57 | 10.5 | 9.9 | 94.7 | 331 | 9 | 100738 | 69 |
| 3 | 16.Feb.2013 15:17:26 | 0:03:00 | 375 | 57 | 11 | 9.9 | 95.2 | 315 | 9 | 100749 | 65 |
| 4 | 16.Feb.2013 15:18:26 | 0:04:00 | 371 | 54 | 11 | 9.8 | 95.1 | 288 | 9 | 100758 | 82 |
| 5 | 16.Feb.2013 15:19:26 | 0:05:00 | 375 | 57 | 11.5 | 9.9 | 94.6 | 271 | 9 | 100751 | 81 |
| 6 | 16.Feb.2013 15:20:26 | 0:06:00 | 375 | 57 | 11.5 | 9.9 | 94.2 | 263 | 9 | 100753 | 89 |
| 7 | 16.Feb.2013 15:21:26 | 0:07:00 | 376 | 57 | 11.5 | 10 | 92.4 | 265 | 9 | 100747 | 69 |
| 8 | 16.Feb.2013 15:22:25 | 0:08:00 | 373 | 57 | 11.5 | 10 | 96.3 | 269 | 9 | 100748 | 79 |
| 9 | 16.Feb.2013 15:23:25 | 0:09:00 | 375 | 57 | 11 | 10 | 93.1 | 276 | 9 | 100753 | 73 |
| 10 | 16.Feb.2013 15:24:26 | 0:10:00 | 375 | 57 | 11.5 | 10.1 | 93.5 | 282 | 9 | 100755 | 67 |
| 11 | 16.Feb.2013 15:25:26 | 0:11:00 | 375 | 57 | 11 | 10.1 | 93.7 | 280 | 9 | 100747 | 68 |
| 12 | 16.Feb.2013 15:26:25 | 0:12:00 | 376 | 57 | 11 | 10.1 | 94.1 | 281 | 9 | 100750 | 82 |
| 13 | 16.Feb.2013 15:27:25 | 0:13:00 | 375 | 57 | 11 | 10.1 | 93.5 | 275 | 9 | 100754 | 86 |
| 14 | 16.Feb.2013 15:28:25 | 0:14:00 | 376 | 57 | 11 | 10 | 94.1 | 267 | 9 | 100743 | 91 |
| 15 | 16.Feb.2013 15:31:25 | 0:17:00 | 376 | 57 | 10.5 | 9.8 | 92.4 | 250 | 9 | 100757 | 70 |
| 16 | 16.Feb.2013 15:32:25 | 0:18:00 | 376 | 57 | 10.5 | 9.7 | 93 | 242 | 9 | 100755 | 72 |
| 17 | 16.Feb.2013 15:33:25 | 0:19:00 | 375 | 57 | 10.5 | 9.6 | 93.4 | 231 | 9 | 100739 | 86 |
| 18 | 16.Feb.2013 15:34:25 | 0:20:00 | 376 | 57 | 10.5 | 9.7 | 93.3 | 222 | 9 | 100746 | 85 |
| 19 | 16.Feb.2013 15:35:25 | 0:21:00 | 376 | 57 | 10.5 | 9.6 | 93.1 | 220 | 9 | 100749 | 80 |
| 20 | 16.Feb.2013 15:36:25 | 0:22:00 | 376 | 57 | 11 | 9.6 | 93.8 | 220 | 9 | 100763 | 82 |
| 21 | 16.Feb.2013 15:38:25 | 0:24:00 | 376 | 57 | 10.5 | 9.6 | 94.3 | 231 | 9 | 100757 | 84 |
| 22 | 16.Feb.2013 15:39:25 | 0:25:00 | 374 | 57 | 11 | 9.6 | 94.3 | 246 | 9 | 100745 | 95 |
| 23 | 16.Feb.2013 15:40:25 | 0:26:00 | 376 | 57 | 10.5 | 9.6 | 93.9 | 266 | 9 | 100759 | 74 |
| 24 | 16.Feb.2013 15:41:25 | 0:27:00 | 376 | 57 | 10.5 | 9.6 | 93.6 | 289 | 9 | 100764 | 70 |
| 25 | 16.Feb.2013 15:42:25 | 0:28:00 | 376 | 57 | 10.5 | 9.6 | 95.2 | 299 | 9 | 100755 | 67 |
| 26 | 16.Feb.2013 15:43:25 | 0:29:00 | 376 | 57 | 10.5 | 9.5 | 95.1 | 303 | 9 | 100749 | 79 |
| 27 | 16.Feb.2013 15:44:25 | 0:30:00 | 374 | 57 | 10.5 | 9.5 | 94.3 | 301 | 9 | 100745 | 86 |
| 28 | 16.Feb.2013 15:45:25 | 0:31:00 | 377 | 57 | 10.5 | 9.5 | 94.7 | 291 | 9 | 100747 | 81 |
| 29 | 16.Feb.2013 15:46:25 | 0:32:00 | 376 | 57 | 10.5 | 9.4 | 95.3 | 283 | 9 | 100756 | 90 |
| 30 | 16.Feb.2013 15:47:25 | 0:33:00 | 376 | 57 | 10.5 | 9.3 | 92.9 | 282 | 9 | 100755 | 67 |
| 31 | 16.Feb.2013 15:48:25 | 0:34:00 | 377 | 57 | 10.5 | 9.4 | 92.7 | 281 | 9 | 100750 | 99 |
| 32 | 16.Feb.2013 15:49:25 | 0:35:00 | 376 | 57 | 11 | 9.5 | 92.6 | 283 | 9 | 100747 | 87 |
| 33 | 16.Feb.2013 15:50:25 | 0:36:00 | 376 | 57 | 11 | 9.6 | 92.5 | 279 | 9 | 100748 | 85 |
| 34 | 16.Feb.2013 15:51:25 | 0:37:00 | 376 | 57 | 11 | 9.6 | 92.1 | 264 | 9 | 100742 | 86 |
| 35 | 16.Feb.2013 15:52:25 | 0:38:00 | 378 | 57 | 11 | 9.7 | 92.6 | 250 | 9 | 100758 | 64 |
| 36 | 16.Feb.2013 15:53:24 | 0:39:00 | 376 | 57 | 11 | 9.7 | 93.2 | 240 | 9 | 100761 | 85 |
| 37 | 16.Feb.2013 15:54:25 | 0:40:00 | 376 | 57 | 11 | 9.8 | 91.8 | 232 | 9 | 100743 | 85 |
| 38 | 16.Feb.2013 15:55:24 | 0:41:00 | 376 | 57 | 10.5 | 9.7 | 90.8 | 230 | 9 | 100754 | 93 |
| 39 | 16.Feb.2013 15:56:24 | 0:42:00 | 376 | 57 | 11 | 9.7 | 90.5 | 232 | 9 | 100751 | 68 |
| 40 | 16.Feb.2013 15:57:24 | 0:43:00 | 376 | 57 | 10.5 | 9.7 | 90.8 | 231 | 9 | 100755 | 71 |

| | | | | | | | | | | | | |
|----|----------------------|---------|-------------|---------------|--------------|-----|------|-----|---|--------------|----|--|
| 41 | 16.Feb.2013 15:58:24 | 0:44:00 | 376 | 57 | 10.5 | 9.7 | 92.6 | 228 | 9 | 100747 | 76 | |
| 42 | 16.Feb.2013 15:59:24 | 0:45:00 | 376 | 57 | 11 | 9.6 | 90.8 | 221 | 9 | 100752 | 79 | |
| 43 | 16.Feb.2013 16:00:24 | 0:46:00 | 376 | 57 | 11 | 9.6 | 90 | 212 | 9 | 100752 | 84 | |
| 44 | 16.Feb.2013 16:01:24 | 0:47:00 | 376 | 57 | 10.5 | 9.6 | 91.2 | 201 | 9 | 100745 | 72 | |
| 45 | 16.Feb.2013 16:02:24 | 0:48:00 | 376 | 57 | 10.5 | 9.6 | 90.4 | 191 | 9 | 100763 | 71 | |
| 46 | 16.Feb.2013 16:03:24 | 0:49:00 | 376 | 57 | 10.5 | 9.5 | 91.3 | 183 | 9 | 100755 | 65 | |
| 47 | 16.Feb.2013 16:04:24 | 0:50:00 | 377 | 57 | 10.5 | 9.5 | 92.7 | 180 | 9 | 100751 | 81 | |
| | | | 375V | 375.64 | 56.94 | | | | | 78.62 | | |

Tube voltage: 400V

| Index | Time (GMT+2) | Local Time | Measured Voltage (V) | Inverter Duty Cycle (%) | Temp DS1820 (°C) | Temp DHT22 (°C) | Humidity DHT22 (RH) | Lumi (Photodiode) (RL) | Temp BMP085 (°C) | Pressure BMP085 (Pa) | Radiation SBM19 (CPM) |
|-------|----------------------|------------|----------------------|-------------------------|------------------|-----------------|---------------------|------------------------|------------------|----------------------|-----------------------|
| 1 | 16.Feb.2013 13:08:15 | 17:58:00 | 399 | 72 | 12.5 | 11.7 | 76.8 | 951 | 11 | 100779 | 90 |
| 2 | 16.Feb.2013 13:09:15 | 17:59:00 | 399 | 72 | 12 | 11.8 | 74.9 | 865 | 11 | 100788 | 71 |
| 3 | 16.Feb.2013 13:10:14 | 18:00:00 | 399 | 72 | 12 | 11.6 | 73.3 | 705 | 11 | 100786 | 81 |
| 4 | 16.Feb.2013 13:11:14 | 18:01:00 | 399 | 72 | 12.5 | 11.5 | 73.4 | 620 | 11 | 100790 | 52 |
| 5 | 16.Feb.2013 13:12:14 | 18:02:00 | 399 | 72 | 13 | 11.5 | 74.6 | 542 | 11 | 100789 | 69 |
| 6 | 16.Feb.2013 13:13:14 | 18:03:00 | 399 | 72 | 12.5 | 11.6 | 74.5 | 500 | 11 | 100792 | 93 |
| 7 | 16.Feb.2013 13:14:14 | 18:04:00 | 401 | 72 | 12.5 | 11.6 | 74.2 | 482 | 11 | 100784 | 90 |
| 8 | 16.Feb.2013 13:15:14 | 18:05:00 | 399 | 72 | 12.5 | 11.6 | 74.8 | 481 | 11 | 100790 | 63 |
| 9 | 16.Feb.2013 13:16:14 | 18:06:00 | 400 | 72 | 12.5 | 11.5 | 74.9 | 472 | 11 | 100789 | 76 |
| 10 | 16.Feb.2013 13:17:14 | 18:07:00 | 400 | 72 | 12.5 | 11.5 | 75.2 | 449 | 11 | 100791 | 78 |
| 11 | 16.Feb.2013 13:18:14 | 18:08:00 | 400 | 72 | 12.5 | 11.4 | 74.9 | 415 | 10 | 100797 | 82 |
| 12 | 16.Feb.2013 13:19:14 | 18:09:00 | 399 | 72 | 12.5 | 11.2 | 75.3 | 386 | 10 | 100780 | 68 |
| 13 | 16.Feb.2013 13:20:14 | 18:10:00 | 400 | 72 | 12 | 11.1 | 75.1 | 351 | 10 | 100792 | 92 |
| 14 | 16.Feb.2013 13:21:14 | 18:11:00 | 400 | 72 | 12 | 11 | 76.8 | 314 | 10 | 100784 | 101 |
| 15 | 16.Feb.2013 13:22:14 | 18:12:00 | 400 | 72 | 12 | 10.8 | 77.6 | 290 | 10 | 100783 | 96 |
| 16 | 16.Feb.2013 13:23:14 | 18:13:00 | 400 | 72 | 12 | 10.9 | 77.8 | 274 | 10 | 100787 | 76 |
| 17 | 16.Feb.2013 13:24:14 | 18:14:00 | 401 | 72 | 12.5 | 10.8 | 77.6 | 280 | 10 | 100785 | 91 |
| 18 | 16.Feb.2013 13:25:14 | 18:15:00 | 400 | 72 | 12.5 | 10.9 | 76.4 | 297 | 10 | 100782 | 81 |
| 19 | 16.Feb.2013 13:26:14 | 18:16:00 | 400 | 72 | 12.5 | 11 | 77.8 | 325 | 10 | 100781 | 83 |
| 20 | 16.Feb.2013 13:27:14 | 18:17:00 | 400 | 72 | 12.5 | 11 | 77.5 | 358 | 10 | 100790 | 89 |
| 21 | 16.Feb.2013 13:28:14 | 18:18:00 | 400 | 72 | 12.5 | 11.1 | 78.3 | 371 | 10 | 100778 | 80 |
| 22 | 16.Feb.2013 13:31:14 | 18:21:00 | 400 | 72 | 12 | 11.1 | 74.3 | 334 | 10 | 100785 | 88 |
| 23 | 16.Feb.2013 13:32:14 | 18:22:00 | 400 | 72 | 11.5 | 11 | 74.4 | 306 | 10 | 100761 | 80 |
| 24 | 16.Feb.2013 13:33:14 | 18:23:00 | 400 | 72 | 11.5 | 10.9 | 76.3 | 275 | 10 | 100771 | 85 |
| 25 | 16.Feb.2013 13:36:14 | 18:26:00 | 401 | 72 | 11 | 10.6 | 79.8 | 203 | 9 | 100755 | 91 |
| 26 | 16.Feb.2013 13:37:14 | 18:27:00 | 401 | 72 | 11 | 10.5 | 81.8 | 184 | 9 | 100775 | 83 |
| 27 | 16.Feb.2013 13:38:14 | 18:28:00 | 401 | 72 | 10.5 | 10.3 | 83.4 | 168 | 9 | 100771 | 73 |
| 28 | 16.Feb.2013 13:39:14 | 18:29:00 | 399 | 70 | 11 | 10.2 | 90.5 | 154 | 9 | 100766 | 72 |
| 29 | 16.Feb.2013 13:40:14 | 18:30:00 | 399 | 70 | 11 | 10.1 | 92.5 | 134 | 9 | 100774 | 83 |
| 30 | 16.Feb.2013 13:41:13 | 18:31:00 | 397 | 70 | 10.5 | 10 | 93 | 125 | 9 | 100774 | 70 |
| 31 | 16.Feb.2013 13:42:13 | 18:32:00 | 399 | 71 | 11 | 10 | 93.5 | 121 | 9 | 100779 | 79 |
| 32 | 16.Feb.2013 13:43:14 | 18:33:00 | 398 | 71 | 10.5 | 10 | 94.7 | 114 | 9 | 100773 | 66 |
| 33 | 16.Feb.2013 13:44:13 | 18:34:00 | 399 | 70 | 10.5 | 9.9 | 96.3 | 114 | 9 | 100767 | 85 |
| 34 | 16.Feb.2013 13:45:13 | 18:35:00 | 400 | 70 | 10 | 9.8 | 96.9 | 114 | 8 | 100780 | 74 |
| 35 | 16.Feb.2013 13:46:13 | 18:36:00 | 399 | 70 | 10 | 9.6 | 97 | 118 | 8 | 100774 | 81 |
| 36 | 16.Feb.2013 13:47:13 | 18:37:00 | 399 | 71 | 10 | 9.4 | 98.3 | 123 | 8 | 100769 | 68 |

| | | | | | | | | | | | |
|-------------|----------------------|----------|---------------|--------------|------|-----|------|-----|---|--------|--------------|
| 37 | 16.Feb.2013 13:48:13 | 18:38:00 | 399 | 70 | 10 | 9.4 | 99.6 | 127 | 8 | 100774 | 76 |
| 38 | 16.Feb.2013 13:49:13 | 18:39:00 | 400 | 71 | 10 | 9.3 | 99.9 | 135 | 8 | 100764 | 73 |
| 39 | 16.Feb.2013 13:50:13 | 18:40:00 | 400 | 71 | 10 | 9.2 | 99.9 | 148 | 8 | 100770 | 74 |
| 40 | 16.Feb.2013 13:51:13 | 18:41:00 | 400 | 71 | 10 | 9.2 | 99.9 | 163 | 8 | 100764 | 69 |
| 41 | 16.Feb.2013 13:52:13 | 18:42:00 | 400 | 70 | 10.5 | 9.2 | 99.9 | 183 | 8 | 100776 | 86 |
| 42 | 16.Feb.2013 13:53:13 | 18:43:00 | 400 | 70 | 10.5 | 9.2 | 99.9 | 187 | 8 | 100768 | 85 |
| 43 | 16.Feb.2013 13:54:13 | 18:44:00 | 400 | 71 | 10 | 9.2 | 99.9 | 178 | 8 | 100778 | 96 |
| 400V | | | 399.65 | 71.42 | | | | | | | 79.98 |

Tube voltage: 425V

| Index | Time (GMT+2) | Local Time | Measured Voltage (V) | Inverter Duty Cycle (%) | Temp DS1820 (°C) | Temp DHT22 (°C) | Humidity DHT22 (RH) | Lumi (Photodiode) (RL) | Temp BMP085 (°C) | Pressure BMP085 (Pa) | Radiation SBM19 (CPM) |
|-------|----------------------|------------|----------------------|-------------------------|------------------|-----------------|---------------------|------------------------|------------------|----------------------|-----------------------|
| 1 | 16.Feb.2013 13:56:36 | 0:01:00 | 425 | 82 | 10 | 9.2 | 99.9 | 154 | 8 | 100775 | 78 |
| 2 | 16.Feb.2013 13:57:36 | 0:02:00 | 425 | 82 | 10.5 | 9.2 | 99.9 | 149 | 8 | 100770 | 66 |
| 3 | 16.Feb.2013 13:58:36 | 0:03:00 | 425 | 82 | 10 | 9.1 | 99.9 | 145 | 8 | 100766 | 83 |
| 4 | 16.Feb.2013 13:59:36 | 0:04:00 | 424 | 82 | 10 | 9.2 | 99.9 | 144 | 8 | 100771 | 74 |
| 5 | 16.Feb.2013 14:00:36 | 0:05:00 | 425 | 82 | 10.5 | 9.1 | 99.9 | 140 | 8 | 100774 | 78 |
| 6 | 16.Feb.2013 14:01:36 | 0:06:00 | 426 | 82 | 10.5 | 9.2 | 99.9 | 135 | 8 | 100765 | 76 |
| 7 | 16.Feb.2013 14:02:36 | 0:07:00 | 425 | 82 | 10 | 9.2 | 99.9 | 129 | 8 | 100762 | 78 |
| 8 | 16.Feb.2013 14:03:36 | 0:08:00 | 425 | 82 | 10 | 9.2 | 99.9 | 128 | 8 | 100764 | 96 |
| 9 | 16.Feb.2013 14:04:36 | 0:09:00 | 425 | 82 | 10 | 9.2 | 99.9 | 131 | 8 | 100757 | 90 |
| 10 | 16.Feb.2013 14:05:36 | 0:10:00 | 425 | 82 | 10 | 9.1 | 99.9 | 136 | 8 | 100755 | 73 |
| 11 | 16.Feb.2013 14:06:36 | 0:11:00 | 424 | 82 | 10 | 9.1 | 99.9 | 142 | 8 | 100764 | 70 |
| 12 | 16.Feb.2013 14:07:36 | 0:12:00 | 425 | 82 | 10.5 | 9.1 | 99.9 | 143 | 8 | 100777 | 77 |
| 13 | 16.Feb.2013 14:08:36 | 0:13:00 | 425 | 82 | 10.5 | 9.1 | 99.9 | 146 | 8 | 100773 | 92 |
| 14 | 16.Feb.2013 14:09:36 | 0:14:00 | 425 | 82 | 10.5 | 9.2 | 99.9 | 145 | 8 | 100760 | 87 |
| 15 | 16.Feb.2013 14:10:36 | 0:15:00 | 425 | 82 | 10.5 | 9.2 | 99.9 | 150 | 8 | 100762 | 89 |
| 16 | 16.Feb.2013 14:11:36 | 0:16:00 | 425 | 82 | 10 | 9.2 | 99.9 | 157 | 8 | 100759 | 80 |
| 17 | 16.Feb.2013 14:12:36 | 0:17:00 | 426 | 82 | 10 | 9.2 | 99.9 | 165 | 8 | 100760 | 90 |
| 18 | 16.Feb.2013 14:13:36 | 0:18:00 | 425 | 82 | 10 | 9.1 | 99.9 | 169 | 8 | 100756 | 70 |
| 19 | 16.Feb.2013 14:14:36 | 0:19:00 | 424 | 82 | 10.5 | 9.1 | 99.9 | 178 | 8 | 100762 | 81 |
| 20 | 16.Feb.2013 14:15:36 | 0:20:00 | 424 | 82 | 10 | 9.1 | 99.9 | 188 | 8 | 100764 | 83 |
| 21 | 16.Feb.2013 14:16:35 | 0:21:00 | 425 | 82 | 10 | 9.2 | 99.9 | 197 | 8 | 100768 | 94 |
| 22 | 16.Feb.2013 14:17:35 | 0:22:00 | 424 | 82 | 10.5 | 9.2 | 99.9 | 206 | 8 | 100771 | 93 |
| 23 | 16.Feb.2013 14:18:35 | 0:23:00 | 424 | 82 | 10.5 | 9.1 | 99.9 | 207 | 8 | 100762 | 82 |
| 24 | 16.Feb.2013 14:19:35 | 0:24:00 | 425 | 82 | 10.5 | 9.1 | 99.9 | 201 | 8 | 100769 | 85 |
| 25 | 16.Feb.2013 14:20:35 | 0:25:00 | 424 | 82 | 10.5 | 9.2 | 99.9 | 207 | 8 | 100766 | 72 |
| 26 | 16.Feb.2013 14:21:35 | 0:26:00 | 424 | 82 | 10 | 9.2 | 99.9 | 213 | 8 | 100772 | 68 |
| 27 | 16.Feb.2013 14:22:35 | 0:27:00 | 424 | 82 | 9.5 | 9.2 | 99.9 | 213 | 8 | 100757 | 81 |
| 28 | 16.Feb.2013 14:23:35 | 0:28:00 | 425 | 82 | 10 | 9 | 99.9 | 226 | 8 | 100764 | 83 |
| 29 | 16.Feb.2013 14:24:35 | 0:29:00 | 424 | 82 | 10 | 9 | 99.9 | 248 | 8 | 100756 | 71 |
| 30 | 16.Feb.2013 14:25:35 | 0:30:00 | 424 | 82 | 10 | 9 | 99.9 | 266 | 8 | 100766 | 69 |
| 31 | 16.Feb.2013 14:26:35 | 0:31:00 | 426 | 82 | 10 | 9 | 99.9 | 271 | 8 | 100761 | 93 |
| 32 | 16.Feb.2013 14:27:35 | 0:32:00 | 424 | 82 | 10 | 9 | 99.9 | 268 | 8 | 100757 | 74 |
| 33 | 16.Feb.2013 14:28:35 | 0:33:00 | 425 | 82 | 10 | 9 | 99.9 | 265 | 8 | 100765 | 86 |
| 34 | 16.Feb.2013 14:29:35 | 0:34:00 | 425 | 82 | 10 | 9.1 | 99.9 | 264 | 8 | 100759 | 87 |
| 35 | 16.Feb.2013 14:30:35 | 0:35:00 | 424 | 82 | 10 | 9.1 | 99.9 | 271 | 8 | 100757 | 73 |
| 36 | 16.Feb.2013 14:31:35 | 0:36:00 | 424 | 82 | 10 | 9.1 | 99.9 | 276 | 8 | 100757 | 72 |

| | | | | | | | | | | | |
|-------------|----------------------|---------|---------------|--------------|-----|-----|------|-----|---|--------|--------------|
| 37 | 16.Feb.2013 14:32:35 | 0:37:00 | 425 | 82 | 9.5 | 9.1 | 99.9 | 280 | 8 | 100756 | 67 |
| 38 | 16.Feb.2013 14:33:35 | 0:38:00 | 425 | 82 | 9.5 | 9.1 | 99.9 | 286 | 8 | 100747 | 86 |
| 425V | | | 424.71 | 82.00 | | | | | | | 80.18 |

Tube voltage: 450V

| Index | Time (GMT+2) | Local Time | Measured Voltage (V) | Inverter Duty Cycle (%) | Temp DS1820 (°C) | Temp DHT22 (°C) | Humidity DHT22 (RH) | Lumi (Photodiode) (RL) | Temp BMP085 (°C) | Pressure BMP085 (Pa) | Radiation SBM19 (CPM) |
|-------------|----------------------|------------|----------------------|-------------------------|------------------|-----------------|---------------------|------------------------|------------------|----------------------|-----------------------|
| 1 | 16.Feb.2013 14:35:18 | 0:01:00 | 448 | 91 | 10 | 9 | 99.9 | 291 | 8 | 100762 | 83 |
| 2 | 16.Feb.2013 14:36:18 | 0:02:00 | 448 | 91 | 9.5 | 9 | 99.9 | 293 | 8 | 100768 | 79 |
| 3 | 16.Feb.2013 14:37:18 | 0:03:00 | 451 | 92 | 9.5 | 8.9 | 99.9 | 296 | 8 | 100753 | 78 |
| 4 | 16.Feb.2013 14:38:18 | 0:04:00 | 448 | 91 | 10 | 8.9 | 99.9 | 299 | 8 | 100758 | 83 |
| 5 | 16.Feb.2013 14:39:18 | 0:05:00 | 448 | 92 | 10 | 8.9 | 99.9 | 298 | 8 | 100756 | 78 |
| 6 | 16.Feb.2013 14:40:18 | 0:06:00 | 448 | 91 | 10 | 8.9 | 99.9 | 297 | 8 | 100748 | 78 |
| 7 | 16.Feb.2013 14:41:18 | 0:07:00 | 451 | 92 | 10 | 9 | 99.9 | 308 | 8 | 100756 | 69 |
| 8 | 16.Feb.2013 14:42:18 | 0:08:00 | 451 | 92 | 10 | 9.1 | 99.9 | 313 | 8 | 100747 | 79 |
| 9 | 16.Feb.2013 14:43:18 | 0:09:00 | 441 | 89 | 10 | 9.1 | 99.9 | 315 | 8 | 100762 | 83 |
| 10 | 16.Feb.2013 14:44:18 | 0:10:00 | 451 | 92 | 10 | 9.1 | 99.9 | 319 | 8 | 100748 | 79 |
| 11 | 16.Feb.2013 14:45:18 | 0:11:00 | 451 | 92 | 10.5 | 9.1 | 99.9 | 325 | 8 | 100753 | 74 |
| 12 | 16.Feb.2013 14:46:18 | 0:12:00 | 449 | 92 | 10.5 | 9.1 | 99.9 | 331 | 9 | 100742 | 85 |
| 13 | 16.Feb.2013 14:47:18 | 0:13:00 | 451 | 92 | 10.5 | 9.2 | 99.9 | 337 | 9 | 100756 | 76 |
| 14 | 16.Feb.2013 14:48:18 | 0:14:00 | 451 | 92 | 10.5 | 9.3 | 99.5 | 346 | 9 | 100763 | 81 |
| 15 | 16.Feb.2013 14:49:18 | 0:15:00 | 452 | 92 | 10.5 | 9.3 | 99.9 | 351 | 9 | 100759 | 99 |
| 16 | 16.Feb.2013 14:50:18 | 0:16:00 | 452 | 92 | 10.5 | 9.4 | 99.1 | 353 | 9 | 100739 | 71 |
| 17 | 16.Feb.2013 14:51:18 | 0:17:00 | 451 | 92 | 10.5 | 9.4 | 98.8 | 351 | 9 | 100731 | 88 |
| 18 | 16.Feb.2013 14:52:18 | 0:18:00 | 448 | 91 | 10.5 | 9.4 | 99.6 | 348 | 9 | 100759 | 74 |
| 19 | 16.Feb.2013 14:53:18 | 0:19:00 | 451 | 92 | 10 | 9.4 | 99.5 | 346 | 9 | 100763 | 85 |
| 20 | 16.Feb.2013 14:56:18 | 0:22:00 | 448 | 91 | 10.5 | 9.4 | 98.5 | 360 | 9 | 100748 | 85 |
| 21 | 16.Feb.2013 14:57:18 | 0:23:00 | 448 | 91 | 10.5 | 9.4 | 97.4 | 367 | 9 | 100742 | 90 |
| 22 | 16.Feb.2013 14:58:18 | 0:24:00 | 448 | 91 | 10 | 9.4 | 97.1 | 371 | 9 | 100741 | 71 |
| 23 | 16.Feb.2013 14:59:18 | 0:25:00 | 448 | 91 | 10 | 9.4 | 95.9 | 370 | 9 | 100760 | 90 |
| 24 | 16.Feb.2013 15:00:18 | 0:26:00 | 450 | 92 | 10.5 | 9.4 | 95.8 | 372 | 9 | 100748 | 70 |
| 25 | 16.Feb.2013 15:01:18 | 0:27:00 | 447 | 90 | 10.5 | 9.4 | 95.5 | 373 | 9 | 100749 | 78 |
| 26 | 16.Feb.2013 15:02:18 | 0:28:00 | 451 | 92 | 10.5 | 9.4 | 94.1 | 369 | 9 | 100754 | 86 |
| 27 | 16.Feb.2013 15:03:18 | 0:29:00 | 451 | 92 | 11 | 9.5 | 93.6 | 362 | 9 | 100761 | 75 |
| 28 | 16.Feb.2013 15:04:18 | 0:30:00 | 451 | 92 | 11 | 9.5 | 95.1 | 359 | 9 | 100751 | 72 |
| 29 | 16.Feb.2013 15:05:18 | 0:31:00 | 450 | 92 | 10.5 | 9.6 | 94.3 | 362 | 9 | 100760 | 82 |
| 30 | 16.Feb.2013 15:06:17 | 0:32:00 | 448 | 91 | 10.5 | 9.6 | 93.2 | 365 | 9 | 100748 | 92 |
| 31 | 16.Feb.2013 15:07:17 | 0:33:00 | 451 | 92 | 11 | 9.6 | 92 | 368 | 9 | 100749 | 85 |
| 32 | 16.Feb.2013 15:08:17 | 0:34:00 | 451 | 92 | 11 | 9.7 | 92.6 | 361 | 9 | 100745 | 81 |
| 33 | 16.Feb.2013 15:09:17 | 0:35:00 | 451 | 92 | 11 | 9.7 | 92.1 | 351 | 9 | 100748 | 61 |
| 34 | 16.Feb.2013 15:10:17 | 0:36:00 | 451 | 92 | 10.5 | 9.8 | 91.9 | 340 | 9 | 100743 | 79 |
| 35 | 16.Feb.2013 15:11:17 | 0:37:00 | 448 | 91 | 11 | 9.8 | 91.9 | 337 | 9 | 100745 | 75 |
| 36 | 16.Feb.2013 15:12:17 | 0:38:00 | 448 | 91 | 10.5 | 9.8 | 90.1 | 340 | 9 | 100758 | 79 |
| 37 | 16.Feb.2013 15:13:17 | 0:39:00 | 451 | 92 | 10.5 | 9.8 | 91.7 | 347 | 9 | 100748 | 75 |
| 450V | | | 449.51 | 91.54 | | | | | | | 79.68 |