ENGINEERING EVALUATION

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RENDERED TO

ALCOA Architectural Products
555 Guthridge Court
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PRODUCT EVALUATED: Reynobond® RB160FR Panels
EVALUATION PROPERTY: Fire Spread Characteristics and Comparative Burning Characteristics of Non-load Bearing Exterior Wall Assemblies

Engineering Evaluation of Reynobond® FR Exterior Non-loadbearing Wall System using RB160FR Panels with Core 06 for compliance with the applicable requirements of the following criteria: CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies*.

1 Table of Contents

2 Introduction

Intertek is conducting an engineering evaluation for ALCOA Architectural Products on Reynobond® RB160FR Panels, to evaluate fire spread and comparative burning information reported in Intertek document number 3178221SAT-016 Test Report. The evaluation is being conducted to determine if the Reynobond® RB160FR Panels will maintain compliance or show equivalency with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies* as referenced in the National Building Code of Canada.

3 Product and Assembly Description

3.1. Product and/or Assembly Description:

The samples being assessed by this fire test are described as follows. The Reynobond® FR Exterior Non-loadbearing Wall System is composed of Reynobond®'s RB160FR Panels with Core 6, aluminum clips, and aluminum framing extrusions. Reynobond®'s RB160FR, is an aluminum composite building panel used as the exterior cladding of buildings. Reynobond® FR with Core 06 panels use a proprietary, fire-resistant (FR), compounded resin, formulation. The RB160FR panels use a "route and return" method to form a tray like shape that fits into aluminum framing attached to the back of the Reynobond® RB160FR panels as noted in the following drawings. There is a "rubber gasket" used in the Reynobond® RB160FR panels that is a thermoplastic elastomeric extrusion called Santoprene®.

Reynobond® FR with Core 06 is available in a nominal 0.157-inch panel thickness designated RB160FR (4mm). The nominal panel weight of the RB160FR (4mm) is 1.63-psf density. The proprietary, fire-resistant (FR), compounded resin core of the Reynobond® RB160FR panel is sandwiched between two aluminum sheets, aluminum alloy 3105 H25, formed into a continuous process. The aluminum sheet thickness for the RB160FR panel is nominally 0.020-inch thick.

A complete description of the test assembly including photographic documentation is contained in Intertek document number 3178221SAT-016 Test Report.

3.2. Product and/or Assembly Traceability:

Samples were produced on July 8, 2009 and randomly selected and stamped (OPL Ink Stamp) on July 13, 2009 by Intertek representative Randy Hensley, at the ALCOA Architectural Products manufacturing facility, located at 50 Industrial Blvd, Eastman, GA 31023. Samples were received at the Evaluation Center, National Research Center of Canada, Building U-96, Ottawa, Ontario, Canada, on April 6, 2010.

3.3. Product and/or Assembly Certification:

Reynobond® RB160FR panel is an Intertek certified product. However, the Reynobond® RB160FR panel is not currently certified for compliance with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies* as referenced in the National Building Code of Canada.

Authorities Having Jurisdiction (AHJ) should be consulted in all cases as to the particular requirements covering the installation and use of Intertek certified products, equipment, systems, devices and materials. The AHJ should be consulted before construction. Fire resistance assemblies and products are developed by the design submitter and have been investigated by Intertek for compliance with specific requirements. The published information (product and design listings) cannot always address every construction nuance encountered in the field. When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the test standard referenced for each Intertek certified product. The test standard includes specifics concerning alternate materials and alternate methods of construction. Only products which bear Intertek's Mark are considered as certified. The

appearance of a company's name or product in Intertek Directory of Listed Building Products does not in itself assure that products so identified have been manufactured under Intertek's Follow-Up Service. Only those products bearing the Intertek Mark should be considered to be Listed and covered under Intertek's Follow-Up Service. Always verify the Mark on the product before using it.

4 Reference Documents

As part of this evaluation, Intertek has directly or indirectly used the following referenced documents:

- American Institute of Steel Construction*, Manual of Steel Construction* – Allowable Stress Design, Ninth Edition
- ANSI/ASTM E 119, *Standard Test Methods for Fire Tests of Building Construction and Material*
- ANSI/ASTM 2032, *Standard Guide for Extension of Data From Fire Endurance Tests*
- DOC. REF. ISO/TC92/SC2/WG6 N261, 10295—2 *Fire Tests for Building Elements and Components—Fire Testing of Service Installations Part 2: Linear Gap Seals, International Standards Organization*
- Egan, M. D., *Concepts in Building Fire Safety*, 1978.
- Harmathy, T. Z., *Ten Rules of Fire Endurance Ratings,* Fire Technology, Vol. 35, May 1965.
- ISO/TR 12470 Fire resistance tests — Guidance on the application and extension of results.
- Lie, T. T., *Fire and Buildings*, Applied Science Publishers, Ltd., 1972.
- NFPA 285 *Flammability Characteristics of Exterior Nonload Bearing Wall Assemblies Containing Combustible Components using the Intermediate Scale Multistory Test Apparatus*
- Nicholas, John D., "The Development and Use of Perimeter Joint Protection Testing", *Journal of ASTM International*, July/August 2005, Vol. 2, No. 7 Paper ID JAI13030
- Quintiere, J., "The Spread of Fire from a Compartment," *ASTM STP 685*, E. E. Smith and T. Z. Harmathy, Eds., ASTM International, West Conshohocken, PA 1978, pp. 139–168.
- Roehm, P. E. and Jack, M., Director of Technical Services, Architectural Aluminum Manufacturers Association, *Curtain Walls*, Time·Saver Standards for Architectural Design Data, pp. 3-90 to 3-124, 1982.
- TECHNICAL REPORT ISO/TR 12470 First edition 1998-07-15 Fire resistance tests — Guidance on the application and extension of results
- The SFPE Handbook of Fire Protection Engineering, 2nd Edition

5 Evaluation Method

Determine if the information contained in Intertek document number 3178221SAT-016 Test Report meets the compliance intent of the National Building Code of Canada for product certification to CAN/ULC S134.

This evaluation is being conducted solely for the above italicized referenced project or use or both. Due to the variables that exist from project to project and the fact that each evaluation requires review of the most current existing data and information, this evaluation is not to be used as justification for any other opinion nor used for any other project, without the express written consent of Intertek. This report should serve as Intertek's opinion regarding the use of the certified product in the conditions described herein. The materials used on the project, which are applied in compliance with Intertek Design Listings, must bear the Intertek listing mark. All certified products must be installed in accordance with the details contained in Intertek's *Directory of Listed Building Products*.

5.1. General:

CAN/ULC S134 is a quantification test, not a qualification test. The test standard only requires information to be reported. There are not acceptance criteria or conditions of compliance in the test standard to determine whether or not the test specimen meets specific requirements.

Section 9, *Test Results*, of CAN/ULC S134 only requires the following:

> "9.1 GENERAL
> 9.1.1 The performance of the test specimen shall be judged on the basis of visual observations and recorded data. Averaging heat flux density and thermocouple results over a one minute period is required to smooth momentary peaks yet preserve important changes over time. (A typical method of averaging results can be found in Appendix C.)
> 9.1.2 The temperatures recorded by thermocouples installed in the specimen provide additional information about fire penetration into the specimen and possible fire spread inside the specimen (e.g. in cavities or behind a coating)."

Section 9.2, *Test Report*, of CAN/ULC S134 only requires the following information related to fire spread:

> "G Documentation of performance of the specimen with respect to amount and time of:
> (i) Fire spread over exterior face;
> (ii) Heat flux density recorded 3.5 m above the opening."

The above information is used to determine compliance with the provisions of National Building Code of Canada.

3.1.5.5. Combustible Components for Exterior Walls

1) Except for an *exposing building face* required to conform to Sentence 3.2.3.7.(1) or Sentence 3.2.3.7.(4), an exterior non-*loadbearing* wall assembly that includes *combustible* components is permitted to be used in a *building* required to be of *noncombustible construction* provided

a) the *building* is
   i) not more than 3 *storeys* in *building height*, or
   ii) *sprinklered* throughout,
b) the interior surfaces of the wall assembly are protected by a thermal barrier conforming to Sentence 3.1.5.12.(3), and
c) the wall assembly satisfies the criteria of Sentences (2) and (3) when subjected to testing in conformance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies."

(See Appendix A.)

2) Flaming on or in the wall assembly shall not spread more than 5 m above the opening during or following the test procedure referenced in Sentence (1). (See Appendix A.)

3) The heat flux during the flame exposure on a wall assembly shall be not more than 35 kW/m^2 measured 3.5 m above the opening during the test procedure referenced in Sentence (1). (See Appendix A.)

4) A wall assembly permitted by Sentence (1) that includes *combustible* cladding of *fire-retardant-treated wood* shall be tested for fire exposure after the cladding has been subjected to an accelerated weathering test as specified in ASTM D 2898, "Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing."

5.2. Variables:

There are several reasons that Intertek is accessing the information in Intertek 3178221SAT-016 Test Report. The test standard CAN/ULC S134 and the National Building Code of Canada do not provide clear direction how to report or interpret the test data or information. There appears to be provisions within the test standard that would allow the identical test assemblies to have different results. The test standard does not state how to report the heat flux measured at 3.5 m above the opening. The building code does not clearly state how the heat flux is to be determined at 3.5 m above the opening. The test standard does not provide any ability of the laboratory to report anomalies during the fire test that may adversely affect the test information being reported. This evaluation will address information related to the above issues.

5.3. Calibration Test Variables:

Test data variability can result from the calibration test. During the calibration test, the tolerances established are as follows:

> "7.3.12 Flames emerging from the opening during the period of steady gas supply shall expose the outer face of the wall to a heat flux density of 45 ± 3 kW/m^2 at 0.5 m above the top of the opening and 27 ± 2 kW/m^2 at 1.5 m above the top of the opening, calculated as an average over the 15 min period."

The gas flow rate for the fire test is determined by the calibration test, which is confirmed by the test standard's following text:

> "7.3.13 The mass flow rate of gas established in a successful calibration run shall be used in testing until recalibration is required."

There is a variable of ± 3 kW/m^2 measured at 0.5 m above the top of the opening. Obviously, the amount of energy that the wall assembly is subjected to affects the test information. However, the test standard

does not address this tolerance issue. A calibration test can be deemed accepted based on a heat flux of 48 kW/m^2 measured at 0.5 m above the top of the opening. A calibration test also can be deemed accepted based on a heat flux of 42 kW/m^2 measured at 0.5 m above the top of the opening. Subjecting identical test assemblies to the two extreme calibration tolerances may create a difference in performance, especially with combustible materials. The auto-ignition temperature of combustibles can vary widely because of the variables such as, amount of oxygen, humidity, and exposure duration or intensity.

5.3.1. Correction Factors:

Test standards are used to compare materials and assemblies subjected to the same conditions. Most test standards, such as ASTM E 119 and CAN/ULC S101, provide for correction factors when variables can change the performance values obtained during the test. CAN/ULC S134 does not have a means to allow the heat flux exposure tolerance to be adjusted to compare similar exposures. The result is that two identical test assemblies can yield different heat flux results. This means that when the heat flux test data borders on the limit set by the National Building Code of Canada that compliance with the code may be questionable. The calibration test used to set the mass flow rate of gas for this fire test was based on a 47.9 kW/m^2 heat flux measurement at 0.5 m above the top of the opening, which is 0.1 kW/m^2 below the maximum allowable exposure. To equate performance of identical test assemblies the test standard should provide a means to account for variations in the standardized fire exposure to eliminate or minimize performance differences.

5.3.2. Degradation Factors:

The Reynobond® RB160FR panel with Core 06 is available in a nominal 0.157-inch (4mm) panel thickness. The nominal Reynobond® RB160FR panel has a 1.63-psf density. The proprietary, fire-resistant (FR), compounded resin core of the Reynobond® RB160FR panel is sandwiched between two aluminum sheets, aluminum alloy 3105 H25, formed into a continuous process. The aluminum sheet thickness for the Reynobond® RB160FR panel is nominally 0.020-inch thick. Typically, a panel such as the Reynobond® RB160FR panel would degrade as follows. The aluminum skins have a higher melting temperature than the compounded resin core. The heat from the flame and hot gases created by the gas burners would raise the temperature of the compounded resin core to a point were the material would turn into a liquid between the aluminum skins. As the aluminum skins reach there melting point the liquefied compounded resin core would flow out and ignite increasing the flame plume height and heat energy. Obviously, a decrease in heat energy created by the gas burners could cause the resin core to liquefy and aluminum skin to degrade at slower rates. If the heat flux was at the minimum allowable tolerance of 42 kW/m^2, instead of the 47.9 kW/m^2, the difference in the heat flux would be 5.9 kW/m^2 less. This decrease in fire exposure could decrease the degradation rate of the wall assembly and decrease the heat fluxes recorded during the fire test.

5.4. Test Data Reporting Variables:

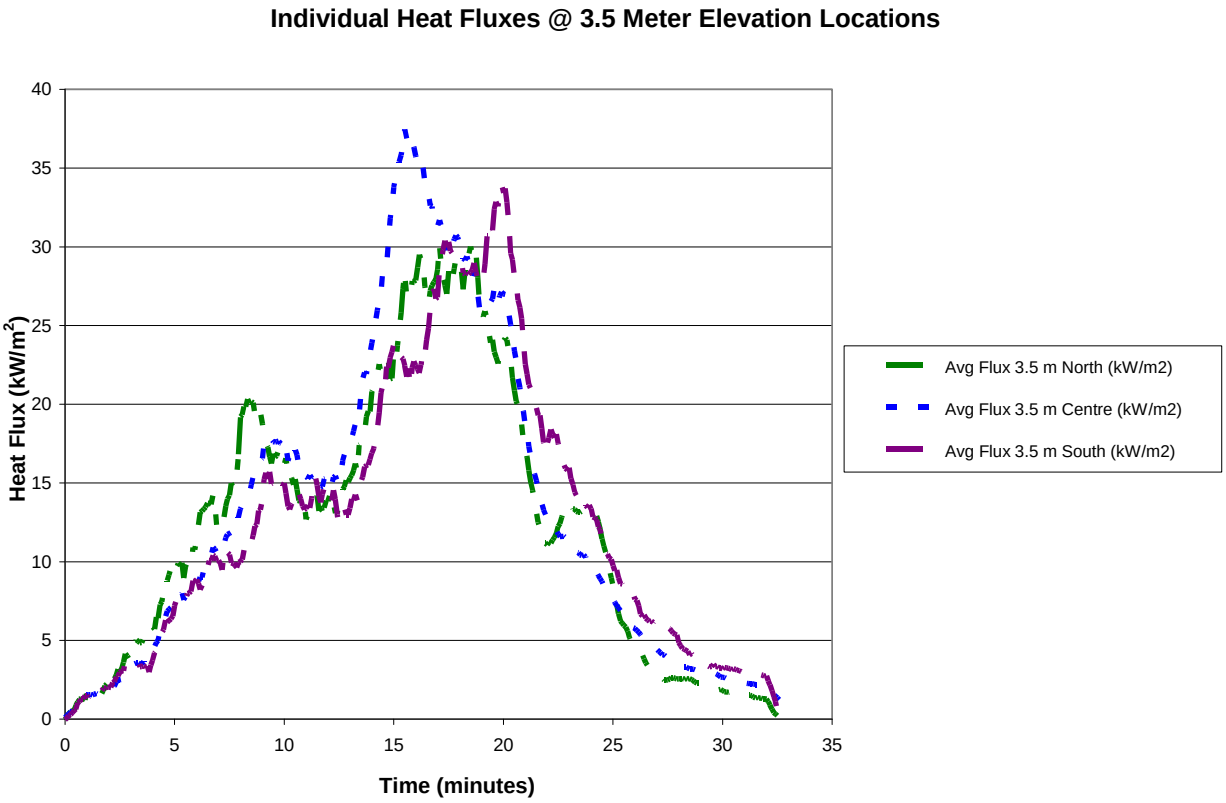
How the heat flux is reported may be another issue. The NRC practice, with which Intertek complied in our test report, is to state the individual heat flux at Gardon gage each location. However, this practice is also questioned. There are three Gardon gages located only 1 m apart at the elevation of 3.5 m above the opening. The test standard does not state to report the *individual* heat fluxes at 3.5 m above the opening. The test standard states to report the “heat flux density recorded 3.5 m above the opening.” This statement refers to a singular heat flux, not multiple heat fluxes as would be expected if the individual heat flux measurements were intended. Also the heat flux is reported as kW/m^2. All three Gardon gage measurements can be contained within one square meter (m^2).

5.5. Test Data Variable & Equipment Accuracy:

There is also a question of accuracy when using a single Gardon gage to determine compliance. The exposure on the calibration wall demonstrated that the flame plume varied from 25.7 kW/m^2 at the North location to 28.8 kW/m^2 at the South location between the closely located Gardon gages, which corresponds to the heat flux and interior room temperatures which also varied in a like manner for a majority of the fire test. The South side of the test apparatus is slightly more severe than the North side.

This leads to yet another issue that may affect the precision and bias of the test standard. The accuracy of equipment used to collect the data can also affect the results. According to calibration documents the expanded uncertainty of the Gardon gage is ±3% of responsivity. However, other factors, e.g. soot, can also create anomalies in data collected by Gardon gages. The test data reported in Intertek document number 3178221SAT-016 Test Report, could be affected by this statement in a report titled, *Industrial heat flux measurement v0507 by Kees van den Bos*, related to heat flux measurements obtained by heat flux sensors, "…the spectral content of the signal changes; the fast changes are damped by the added heat capacity of the soot."

5.6. Test Data Assessment:

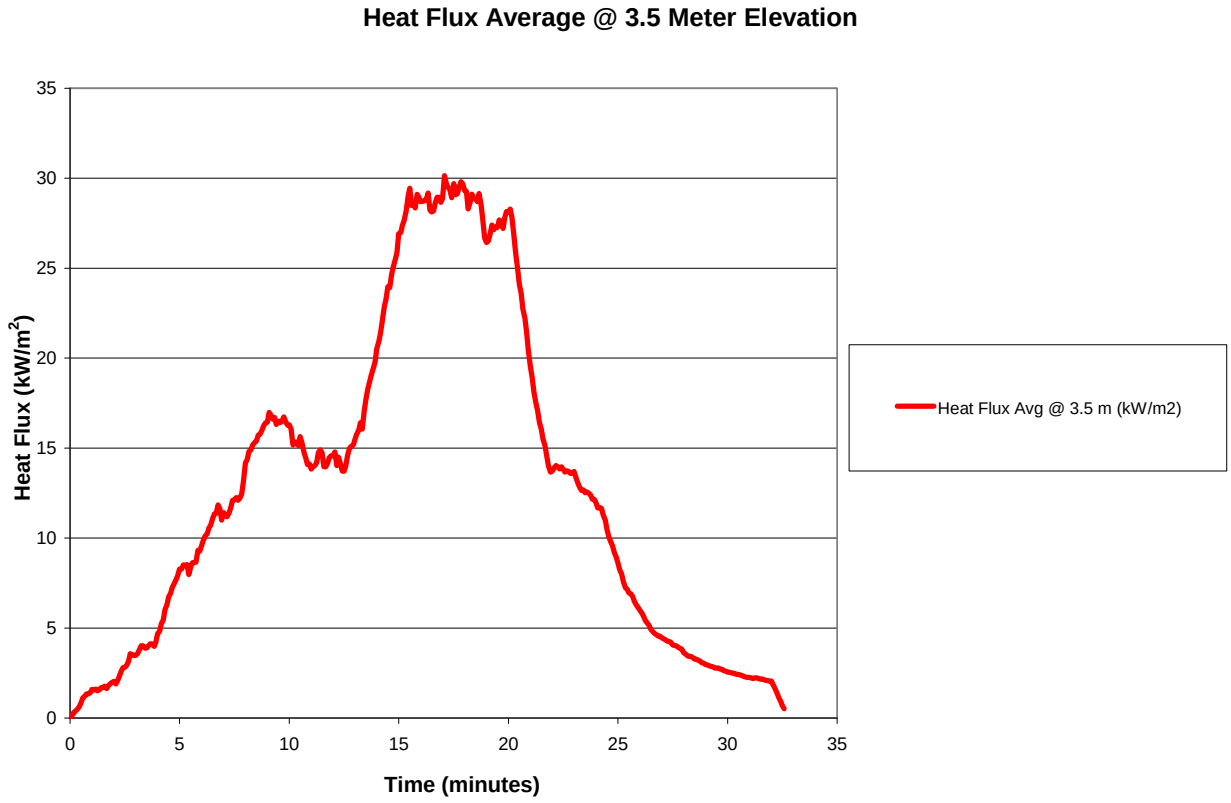


Graph 1 – Individual Heat Flux Measurements

The greatest individual heat flux on the wall assembly occurred as follows:

Gardon Gage Location @ 3.5 m Above Window Opening	Maximum Heat Flux – kW/m^2	Time – Minutes
0.5 m to North Side of Centerline	29.99	18.67
Centerline	37.45	15.50
0.5 m to South Side of Centerline	33.94	19:91

Averaging the *maximum* heat fluxes that occurred at any time during the test yields a heat flux of 33.79 kW/m^2 measured at 3.5 m above the window opening. However, plotting the average heat flux at 3.5 m above the window opening, as in Graph 2, illustrates that the heat flux during the flame exposure on the test assembly is only 30.1 kW/m^2 measured at 3.5 m above the top of the opening.



Graph 2 – Average Heat Flux Measurement

When examining the individual heat flux measurements graphed at 3.5 m above the opening, the total duration for which one (1) Gardon gage registered above 35 kW/m^2 was 50 seconds, 25 second rise and 25 second decline. This time duration could be much greater than the actual event because when the heat flux sensor is covered with soot “fast changes are dampened”.

During the fire test, the maximum *individual* heat flux reading was 37.4 kW/m^2 measured at 3.5 m above the top of the opening, which was above the 35 kW/m^2 limitation for 50 seconds. However, the maximum *average* heat flux was only 30.1 kW/m^2 measured at 3.5 m above the top of the opening, which is more than 15% below the maximum heat flux limitation.

5.7. Visual Observations Assessment:

According to the NRC Observations noted during the test and witnessed by Intertek, the degradation of the Reynobond® RB160FR panel system was not a catastrophic event. The degradation was a methodical response to the heat and flame melting the compounded resin core and aluminum skins. The following photograph illustrates a very clear and well defined burn pattern. The truncated pattern was only 3 m tall and tapper from 2.5 m wide at its base to 1 m wide at its top. The degradation of Reynobond® RB160FR panel system essentially stopped between 3.0 and 3.5 m above the opening. While the flame plume intermittently reached 3.5 m, no sustained flaming was reported above 3.0 m above the opening. Again it is noted that the fire exposure creating this burn pattern was created by the maximum allowable heat flux of the calibration test. The degradation of the Reynobond® RB160FR panel system may not have breached the seam at 3.0 m if the fire exposure was based on the minimum heat flux during the calibration test.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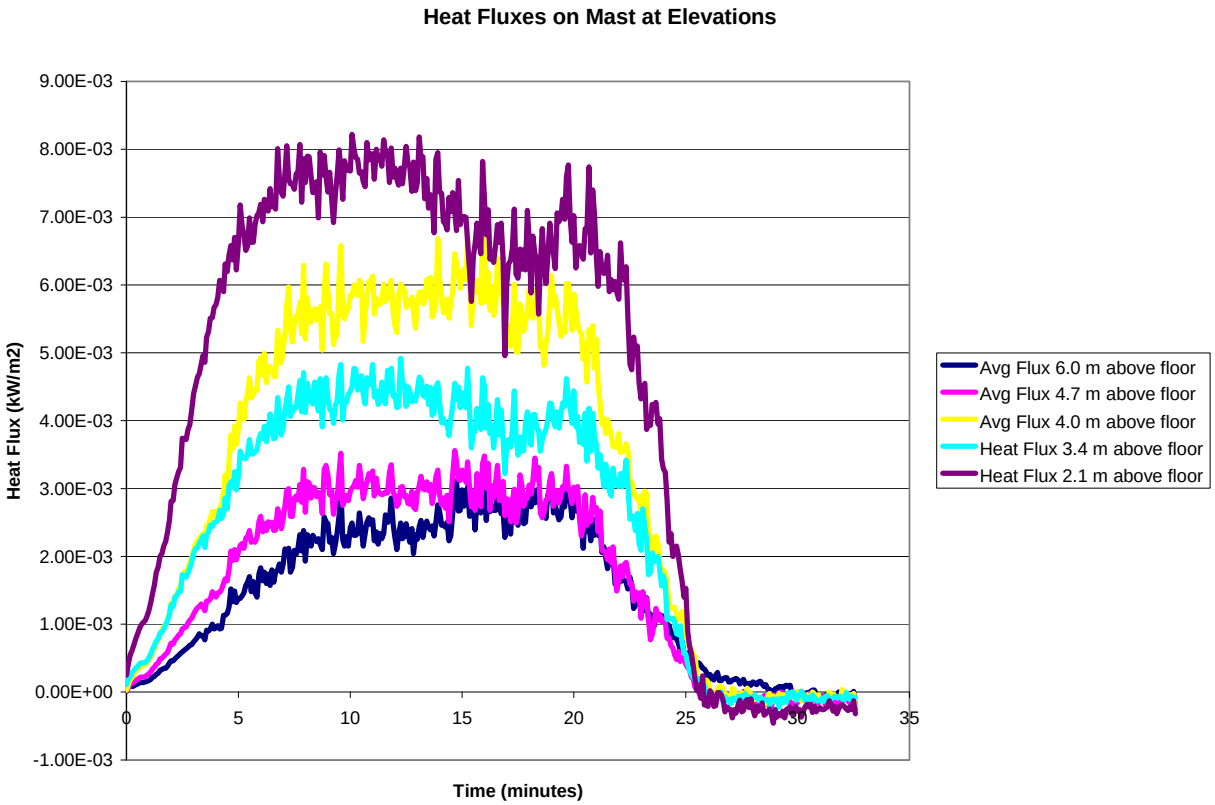
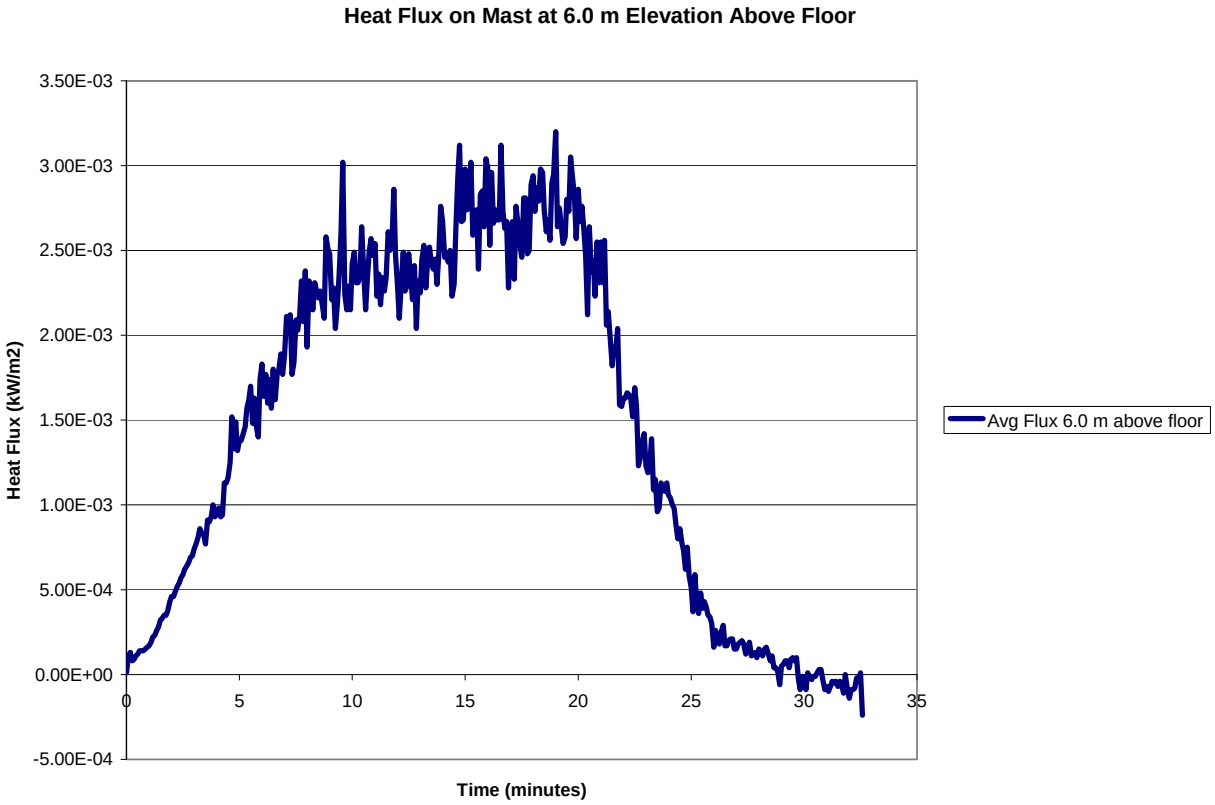
5.8. Mast Heat Flux Assessment:

Though not a test standard requirement, the NRC also used an instrumentation "mast" to acquire heat flux data. This mast is located approximately 1.5 m away from the face of the test assembly. The following graph represents the heat fluxes measured at various elevations on the mast in relation to the floor.



Graph 3 –Heat Fluxes on Instrument Mast

The critical elevation during the fire test is 3.5 m from the top of the opening in the test assembly. The top of the opening on the test assembly is approximately 2.8 m above the floor. This is a total elevation of 6.3 m above the floor. Therefore, the closest heat flux location on the mast is 6.0 m. Therefore, examining the heat flux graph at the 6.0 m should indicate a heat flux value occurring approximately at 15.50 minutes that is greater than the rest of graph. However, this does not occur. There are greater heat flux values occurring at other times during the test, such as at 19 minutes. While this test data is not part of the test criteria it provides further evidence of the test variables are created by the allowable tolerances. However, the test does not provide a means to equate potential test data variations created by the allowable tolerances.



Graph 3 –Heat Flux on Instrument Mast at 6.0 m Above the Floor

5.9. Final Assessment:

The information presented herein and in Intertek 3178221SAT-016 Test Report is based on the *worse case test scenario of maximum fire exposure allowed by the test standard*. There is not a correction factor in the test standard to adjust variations created by differing fire exposures. To base compliance with the National Building Code of Canada on the unclear provisions of the CAN/ULC S134 test standard reported in Intertek 3178221SAT-016 Test Report is questionable. Therefore, this assessment was conducted and has clearly demonstrated that the test data is not absolute. The test data may not be representative of the test assembly when subjected to the best case test scenario of minimum fire exposure. The precision and bias of the fire test, while undefined in the test standard, are clearly affected by numerous variables researched and subsequently outlined in this document. The *maximum* heat flux measurement of a *single* Gardon gage reported to exceed 35 kW/m^2 for an extremely brief period is not reflected with a corresponding *maximum* heat flux measurement on the mast.

6 Conclusion

Intertek has conducted an engineering evaluation for ALCOA Architectural Products on Reynobond® RB160FR Panels, to evaluate fire spread and comparative burning information reported in Intertek document number 3178221SAT-016 Test Report. The evaluation was conducted to determine if the Reynobond® RB160FR Panels will maintain compliance or show equivalency with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies* as referenced in the National Building Code of Canada.

Based on the information contained and referenced herein, it is Intertek's professional judgment based on sound engineering principles that the following is true:

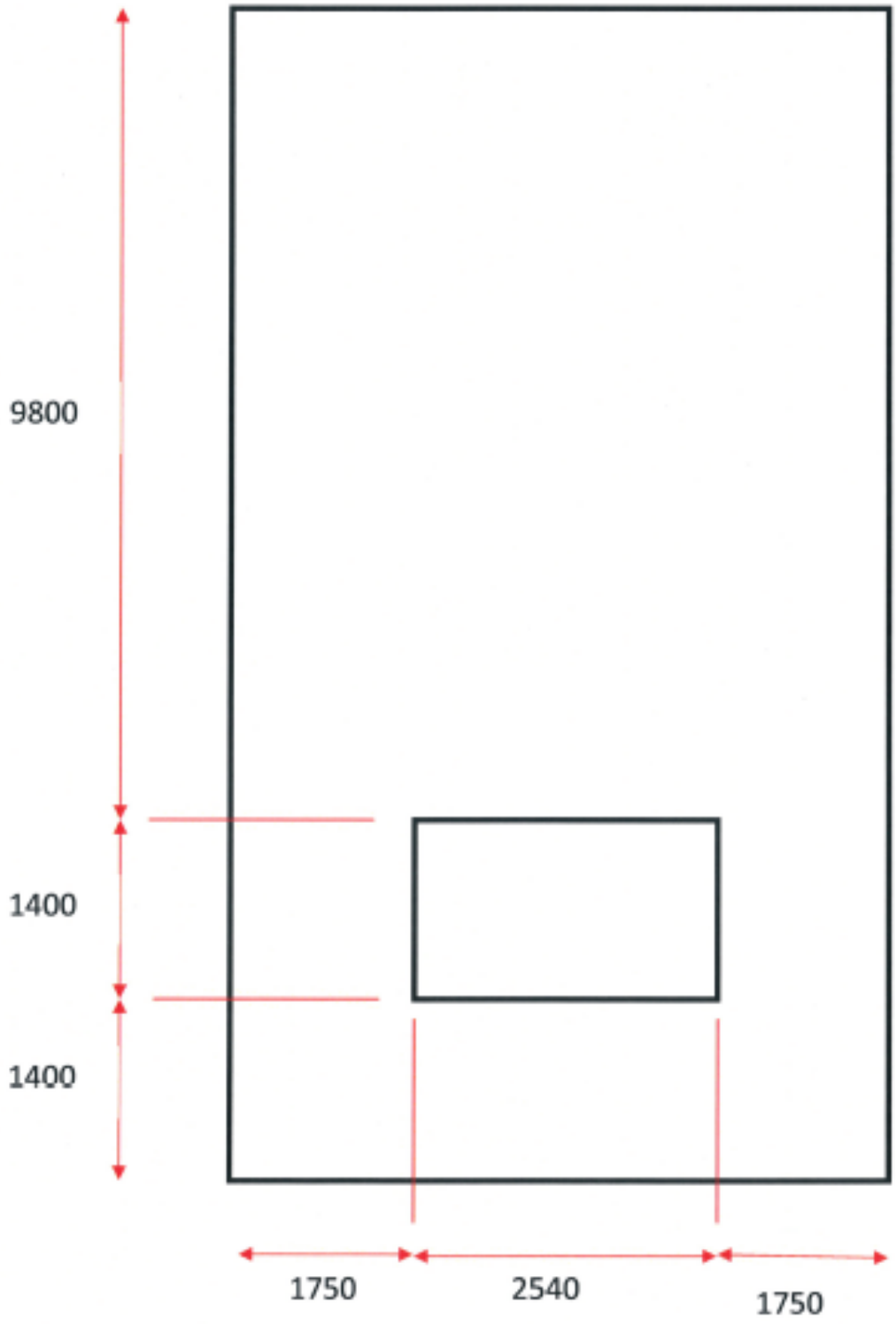
- The Reynobond® RB160FR panel system complies with the fire spread and heat flux limitations required by the National Building Code of Canada when tested in accordance with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies* and is eligible for Intertek product certification for the following reasons:
  - The Reynobond® RB160FR panel system was subjected to the greatest fire exposure allowed by the test standard.
  - The test standard does not provide for a correction factor to adjust for varying degrees of fire exposure created by the calibration test data or the data acquisition equipment.
  - The test standard does not state to document individual heat fluxes but rather the heat flux density as measured at 3.5 m above the top of the opening. The National Building Code of Canada does not state to use an individual heat flux measurement to determine compliance. The Reynobond® RB160FR panel system's graphically *averaged* heat flux was only a maximum of 30.1 kW/m^2 measured at 3.5 m above the top of the opening. The *average* of the maximum individual heat fluxes occurring at different times is only 33.79 kW/m^2.
  - The maximum *individual* heat flux reading was only 2.4 kW/m^2 above the 35 kW/m^2 limitation for a total duration 50 seconds. Both the intensity of the reading and its duration above the limit may not have occurred if the calibration test set the burner's gas flow based on lowest allowable heat flux instead of the highest.
  - The maximum *individual* heat flux reading may have been a much lower reading and a shorter in duration because soot may have affected the Gardon gage readings on the test assembly because the highest reading on the mast away from the affects of the soot occurs at approximately 19 minutes, not 15.50 minutes.

INTERTEK

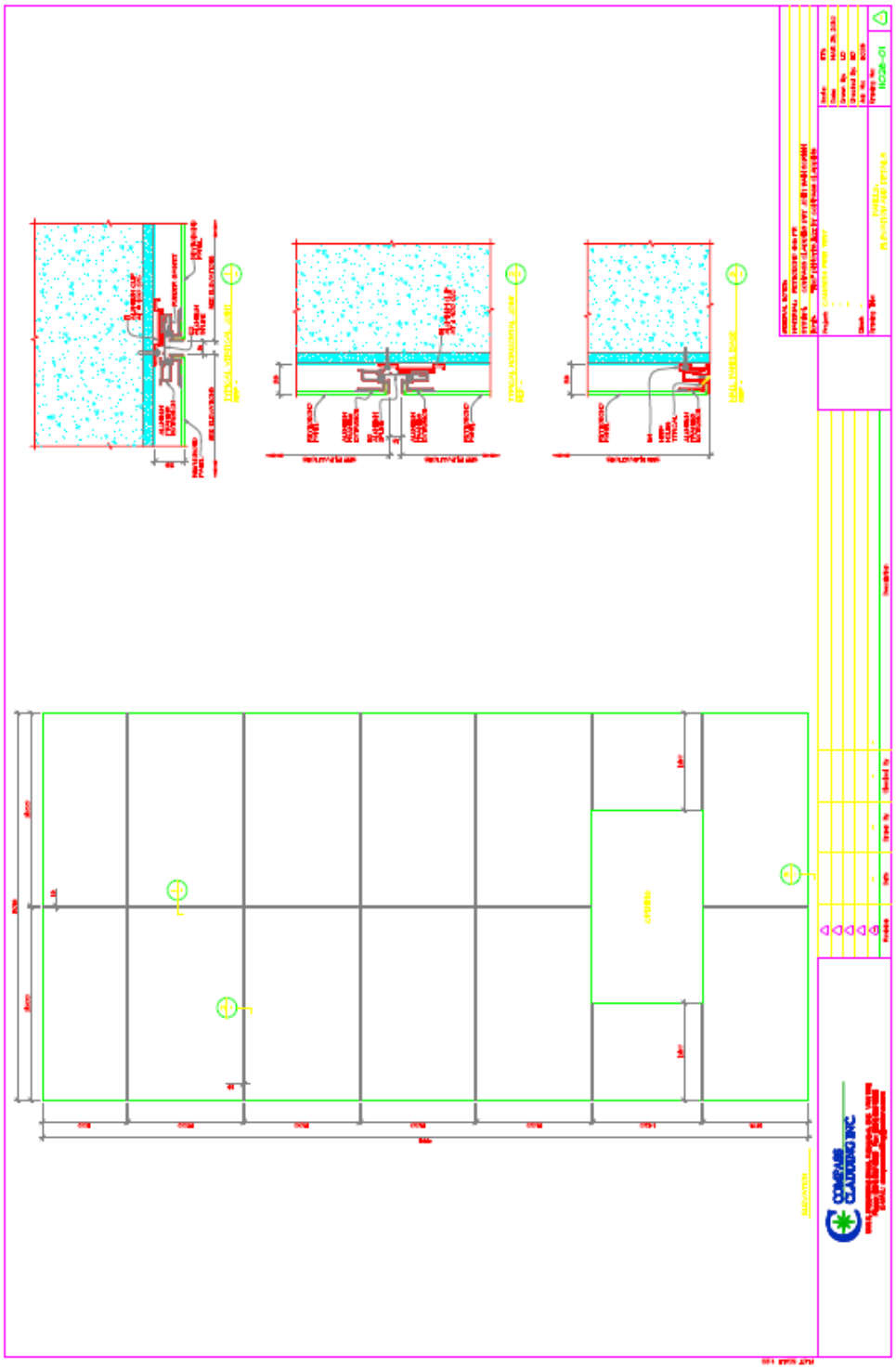
Reported by: _____
John D. Nicholas
Project Manager and Staff Engineer

Reviewed by: _____
Javier Trevino
Chief Engineer Fire Safety and Performance

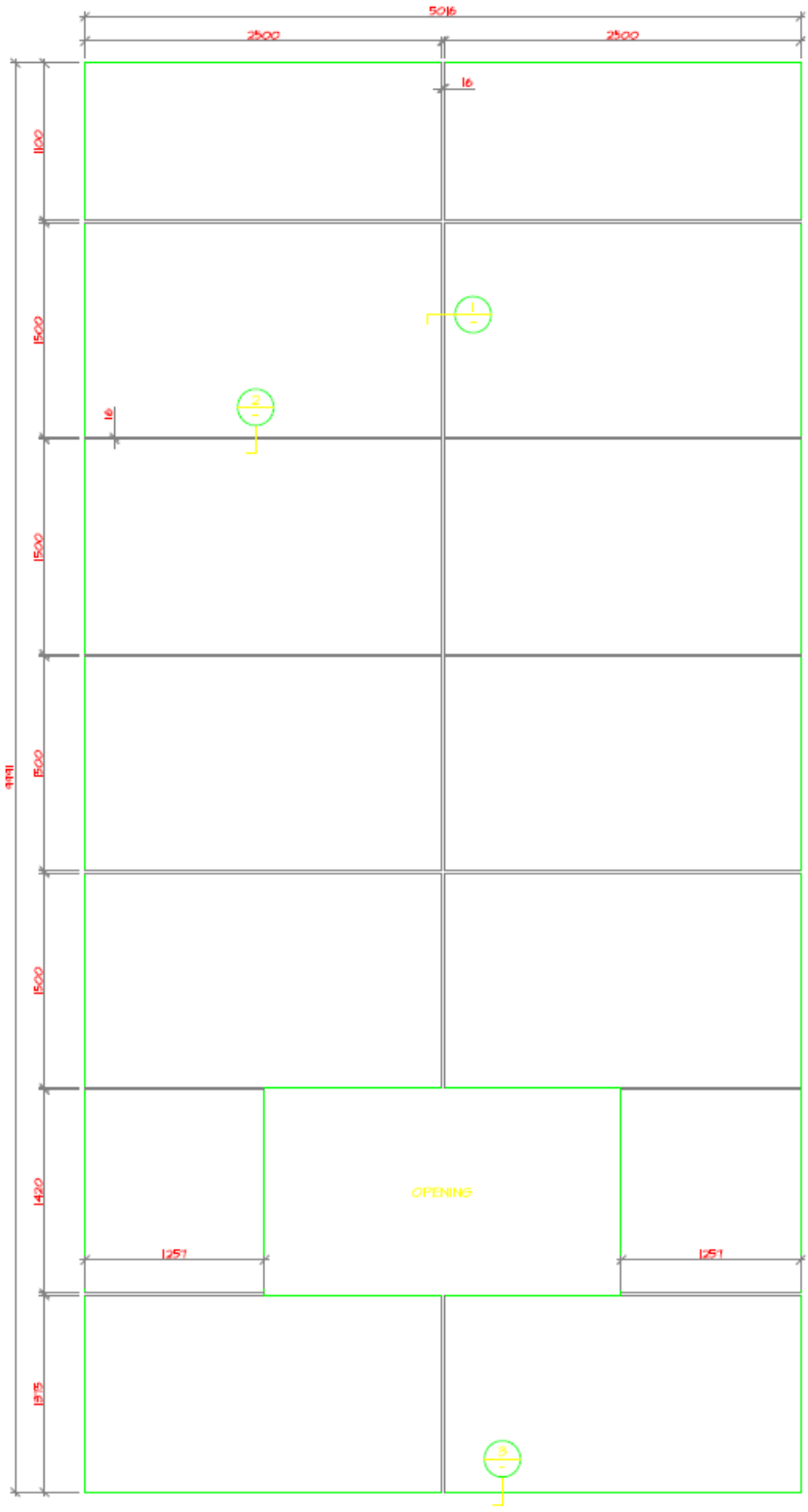
APPENDIX A – Test Apparatus and Test Assembly Drawings



National Research Center of Canada, Building U-96, Ottawa, Ontario, Canada
Test Apparatus Dimensions



ALCOA Architectural Products Test Assembly Drawing



ALCOA Architectural Products Test Assembly Dimensions

APPENDIX B – Test Apparatus Drawings & Photographs

APPENDIX A

A1. TYPICAL TEST FACILITY

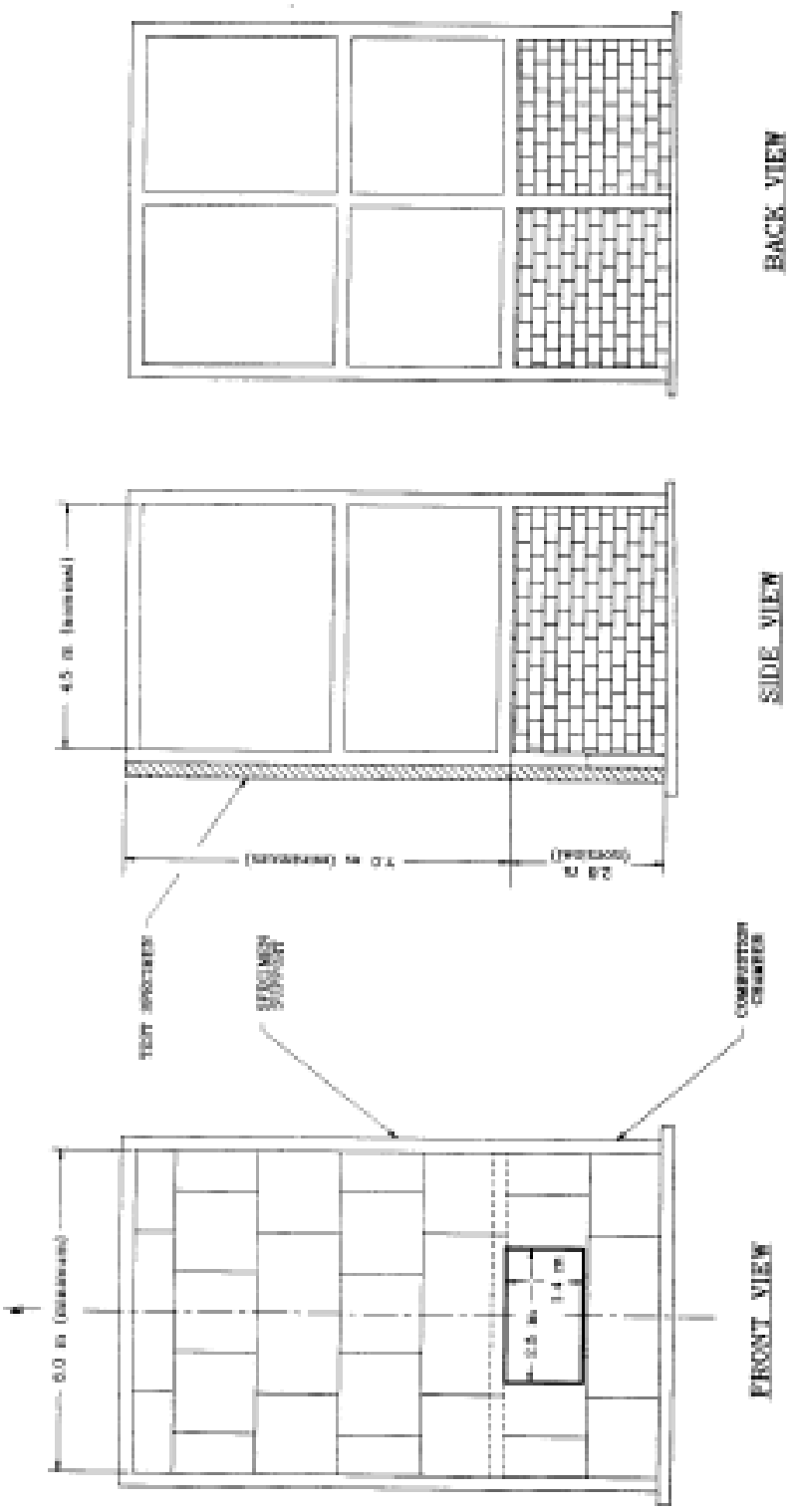
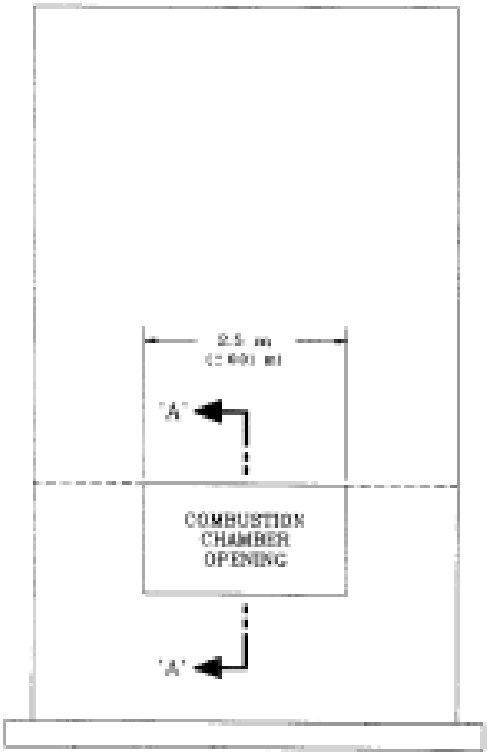
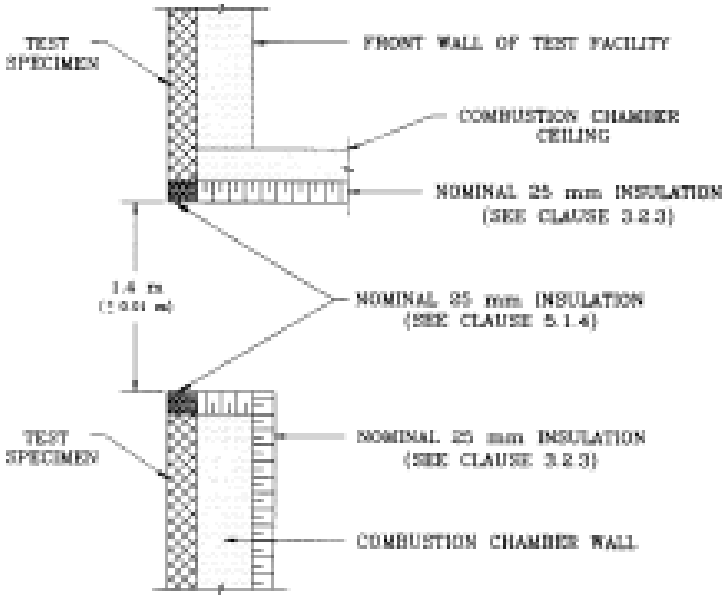


FIGURE 1

DETAIL OF TYPICAL OPENING EDGE



TYPICAL FRONT ELEVATION
OF TEST FACILITY



SECTION 'A – A'

DETAIL OF COMBUSTION CHAMBER
OPENING EDGE


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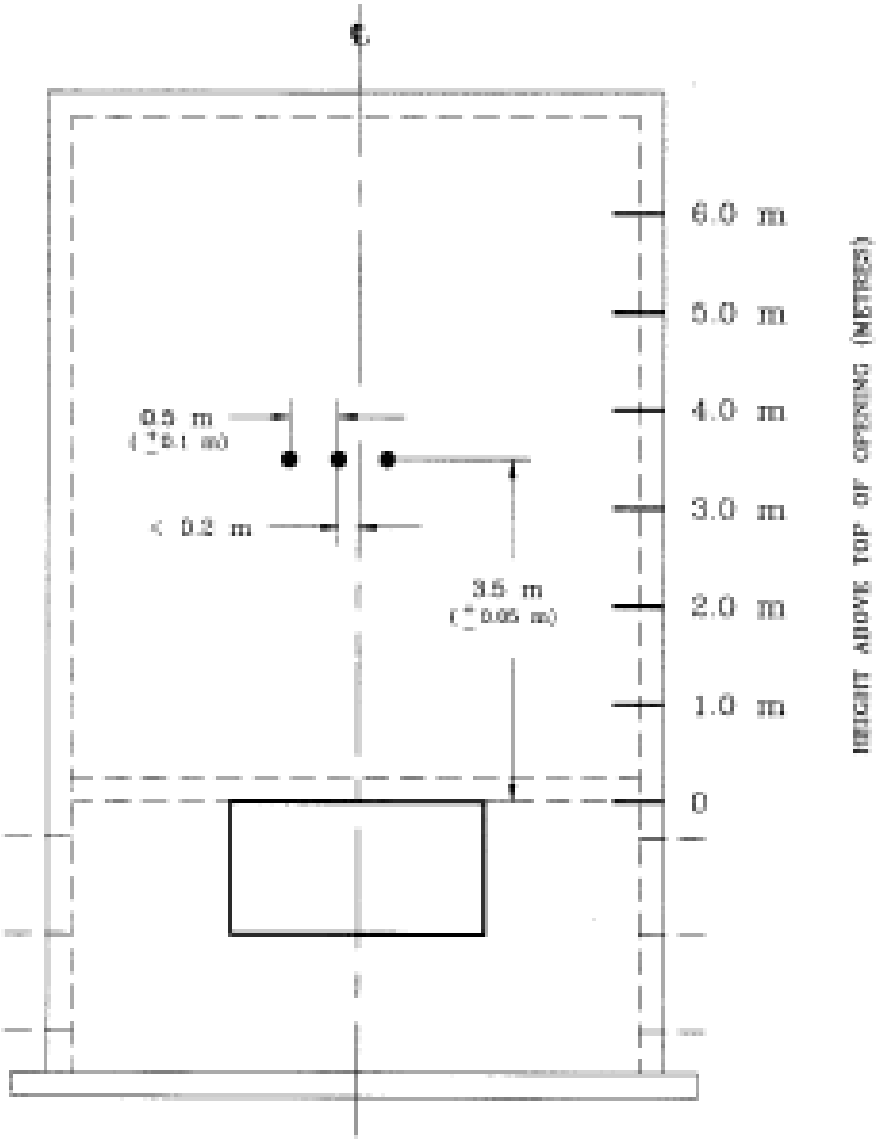
FIGURE 2

HEAT FLOW TRANSDUCER LOCATIONS



ELEVATION VIEW

● – heat flow transducer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Reynobond


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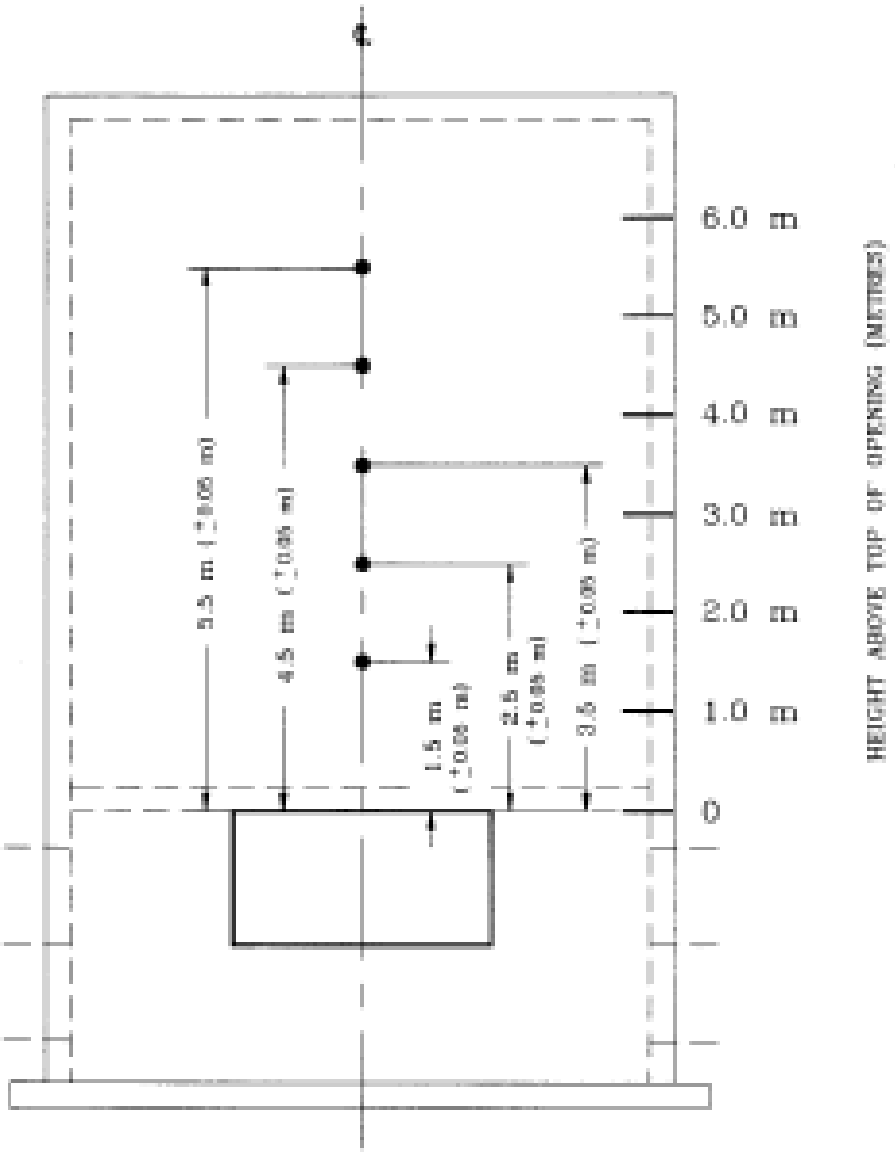
FIGURE 3

THERMOCOUPLE LOCATIONS



ELEVATION VIEW

● – thermocouple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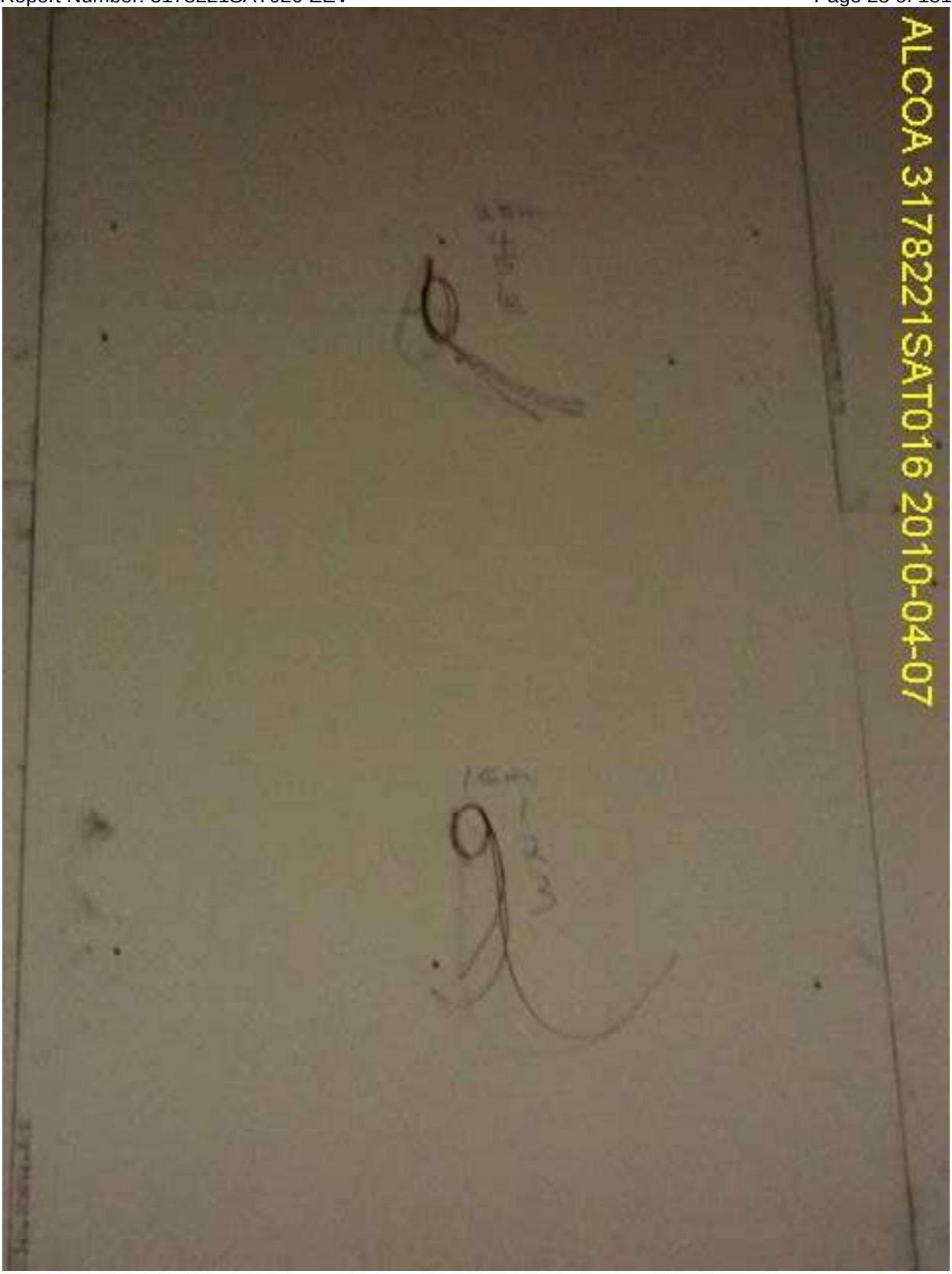
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ALCOA 3178221SAT016 2010-04-07

APPENDIX C – Test Assembly Photographs

This documentation is to comply with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies, Section 9.2.1 F (i).*


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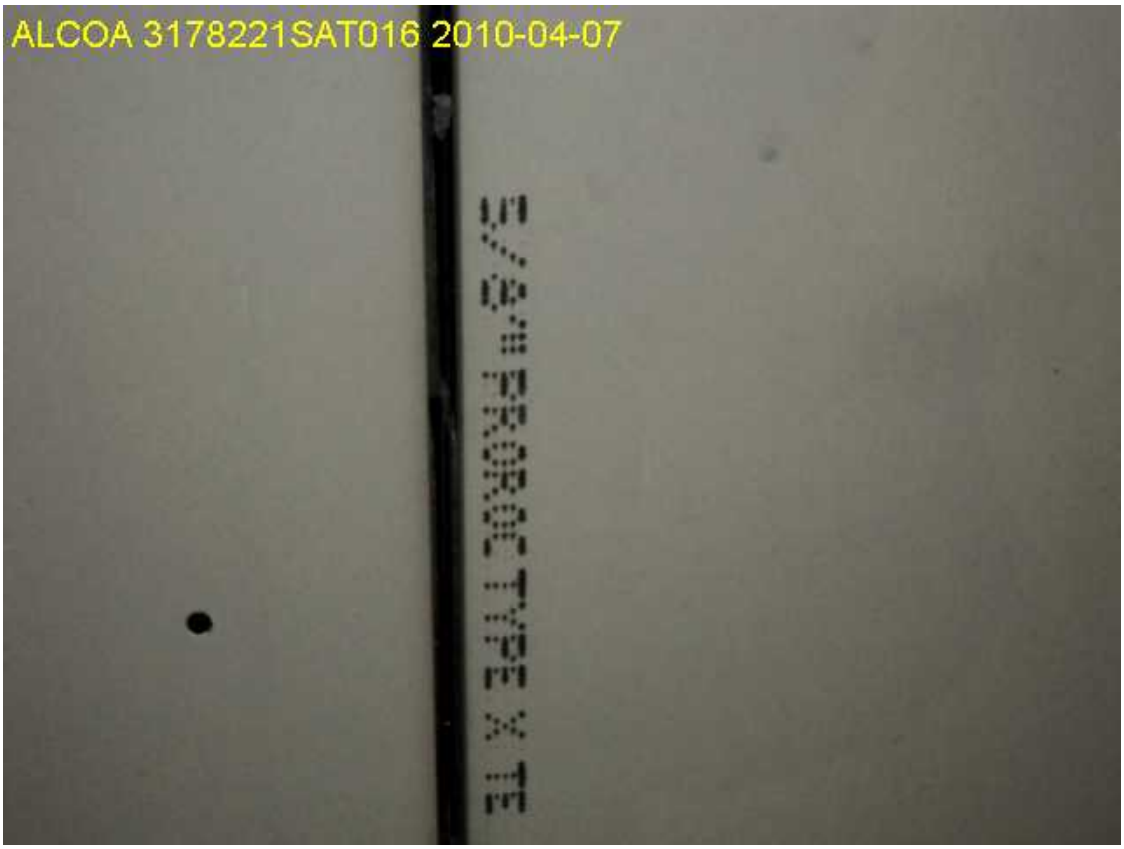
Reynobond


ALCOA 3178221SAT016 2010-04-07
FIRE TEST
#13
43 3/8 x 99 3/8


ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07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ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07
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ALCOA 3178221SAT016 2010-04-07
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ALCOA 3178221SAT016 2010-04-07
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ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07
Reynobond
Dedicated to your Success
Reynobond


ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07
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ALCOA 3178221SAT016 2010-04-07
Reynobond
Dedicated to your Success


ALCOA 3178221SAT016 2010-04-07
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Dedicated to your Success


ALCOA 3178221SAT016 2010-04-07
820148


ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07
Reynobond


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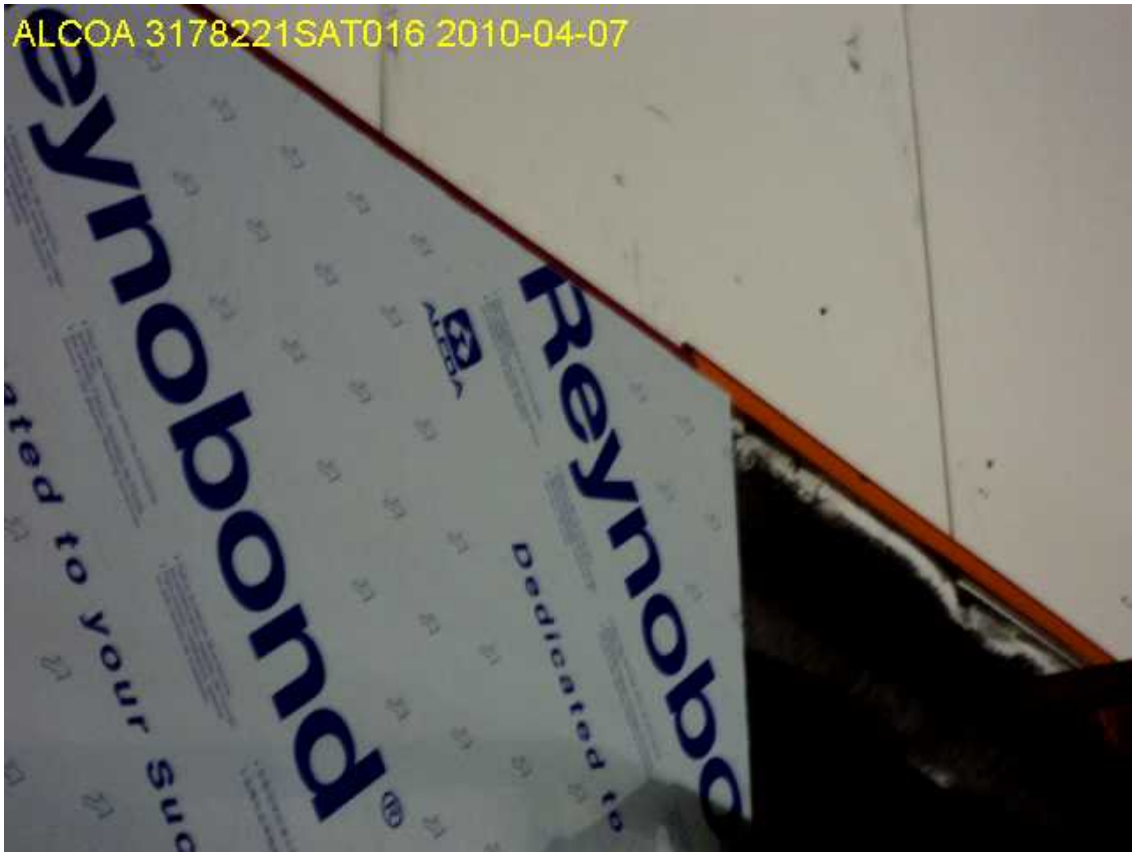
Reynobond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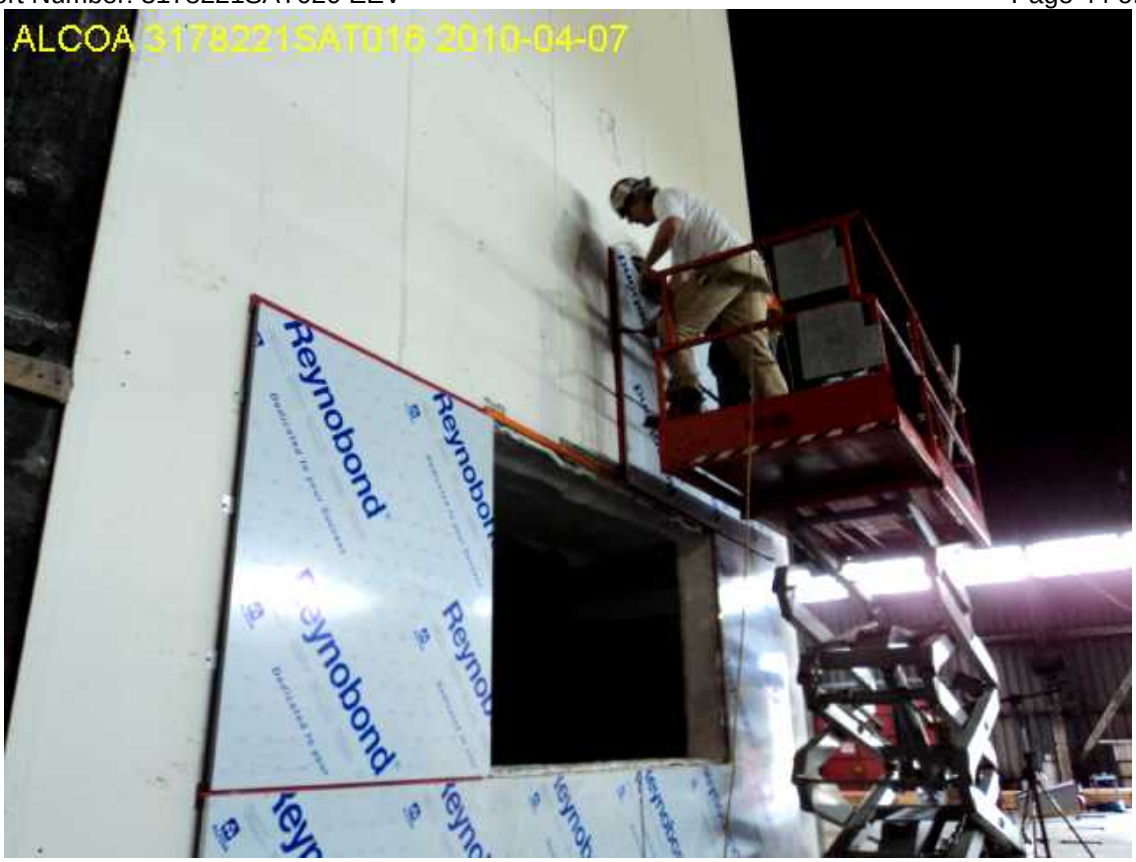
Reynobond
Dedicated to


ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07
Reynobond
1-800-UR RENTS


ALCOA 3178221SAT016 2010-04-07
Reynobond
1-800-UR-RENTS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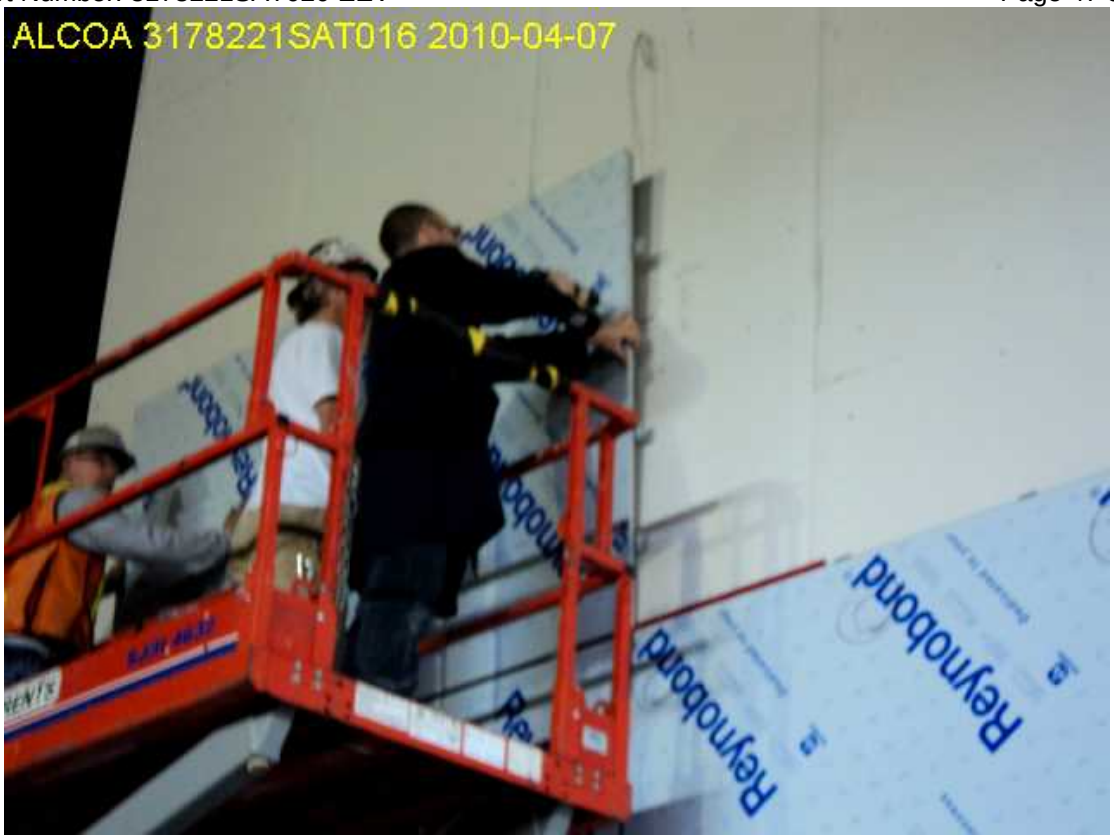
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ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07


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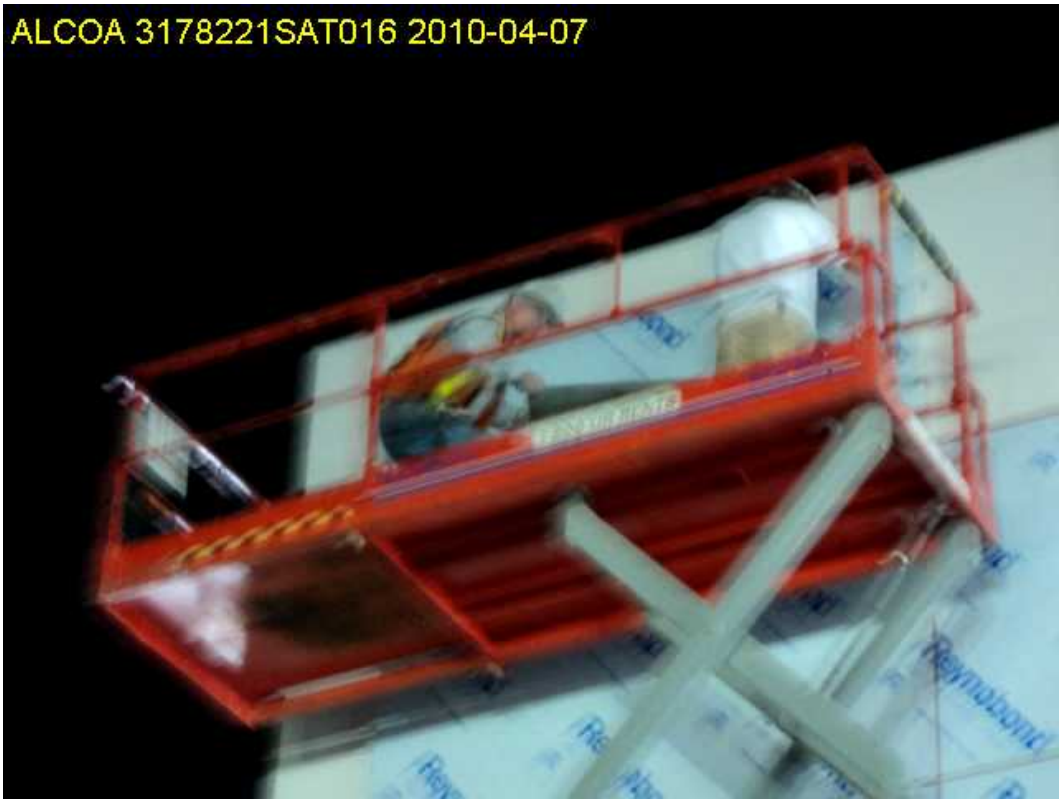
ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07
Reynobond


ALCOA 3178221SAT016 2010-04-07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ALCOA 3178221SAT016 2010-04-07


ALCOA 3178221SAT016 2010-04-07

APPENDIX D – Fire Test Photographs

This documentation is to comply with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies, Section 9.2.1 F (ii).*


ALCOA 3178221SAT016 2010-04-08

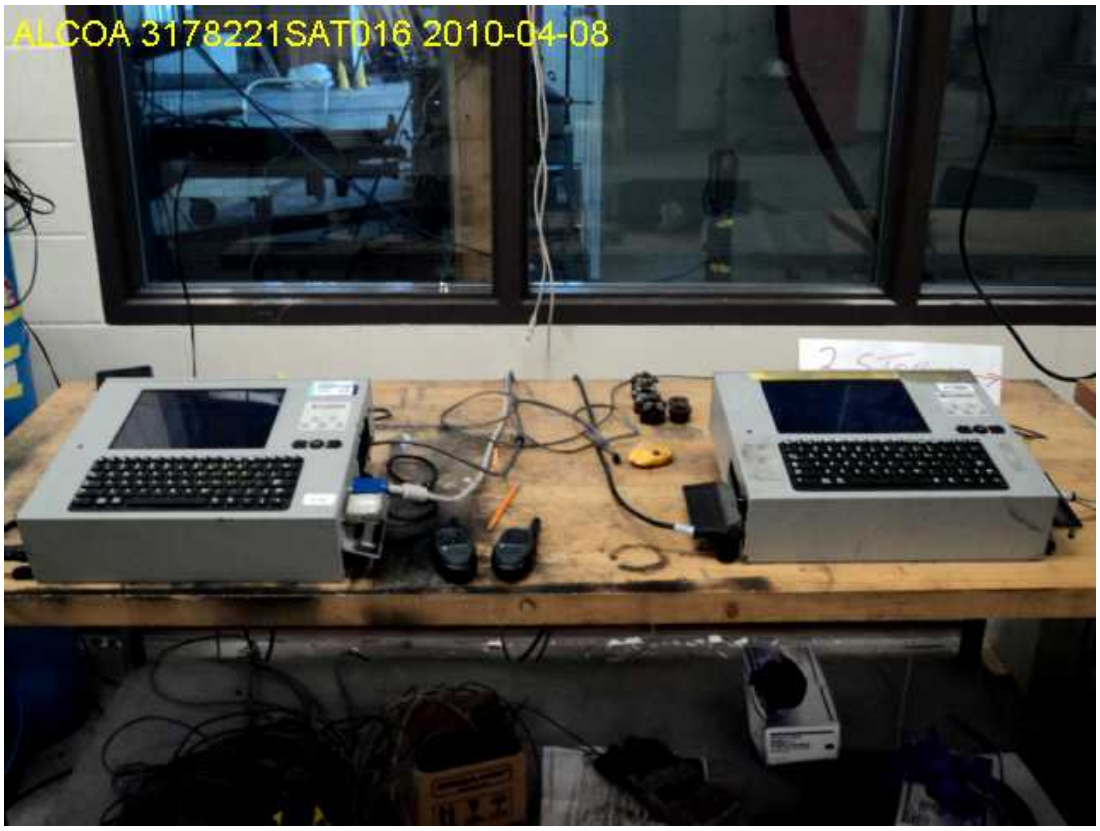

ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08
6.0
5.0
4.0
3.5
3.0
2.0
1.0
0.0


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08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ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 20


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 20100408


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08

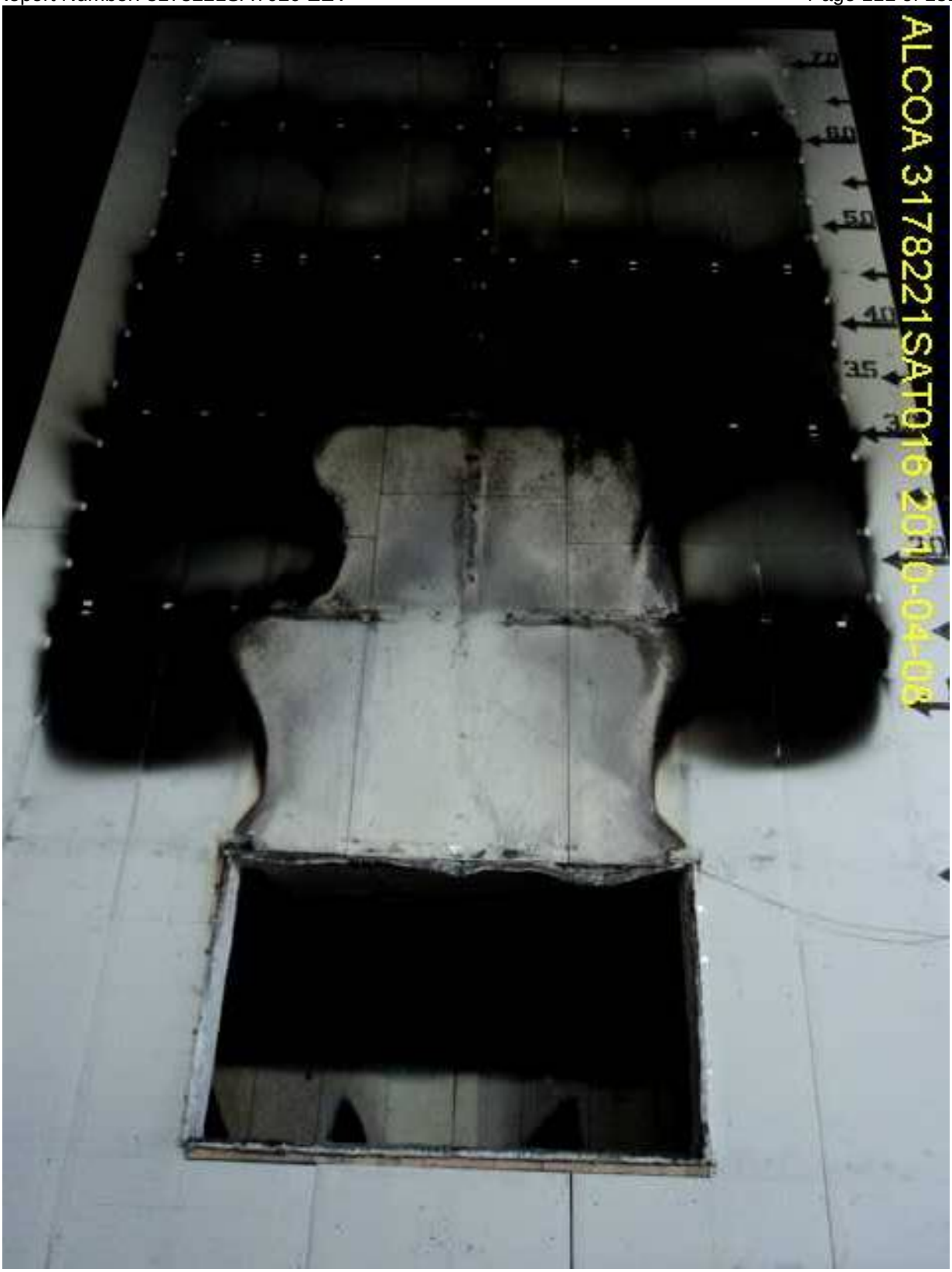

ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08

APPENDIX E – Post Fire Test Photographs

This documentation is to comply with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies, Section 9.2.1 F (iii).*


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-06


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-06


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08
2.0
1.0
0.0

APPENDIX F – Forensic Test Assembly Photographs

This documentation is to comply with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies, Section 9.2.1 F (iv).*


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08


ALCOA 3178221SAT016 2010-04-08

APPENDIX G – Test Data & Graphs

This documentation is to comply with CAN/ULC S134-92 *Standard Method of Fire Test of Exterior Wall Assemblies, Section 9.2.1 D, E, and G (ii).*

Data Acquisition Map

Slot

1. TC, room, north, high
2. TC, room, north mid
3. TC, room, north, low
4. TC, room, south, high
5. TC, room, south, mid
6. TC, room, south, low

7. TC, top of wall, north
8. TC, top of wall, centre
9. TC, top of wall, south
10. TC, at top of window opening, north
11. TC, at top of window opening, centre
12. TC, at top of window opening, south

13. Heat Flux, 3.5 m above window, north, 20W (# 158182)
14. Heat Flux, 3.5 m above window, centre, 20W (# 158181)
15. Heat Flux, 3.5 m above window, south, 20W (# 158183)

16. Heat Flux, mast, 6.0 m above floor (#659114)
17. Heat Flux, mast, 4.7 m above floor (# 217845)
18. Heat Flux, mast, 4.0 m above floor (# 4308429)
19. Heat Flux, mast, 3.4 m above floor (# 58541)
20. Heat Flux, mast, 2.1 m above floor (# 2178418)

21. TC on face of Gyproc (gypsum board), 1.5 m above window
22. TC on back of wall panel, 1.5 m above window
23. TC on face of wall panel, 1.5 m above window

24. TC on face of Gyproc (gypsum board), 2.5 m above window
25. TC on back of wall panel, 2.5 m above window
26. TC on face of wall panel, 2.5 m above window

27. TC on face of Gyproc (gypsum board), 3.5 m above window
28. TC on back of wall panel, 3.5 m above window
29. TC on face of wall panel, 3.5 m above window

30. TC on face of Gyproc (gypsum board), 4.5 m above window
31. TC on back of wall panel, 4.5 m above window
32. TC on face of wall panel, 4.5 m above window

33. TC on face of Gyproc (gypsum board), 5.5 m above window
34. TC on back of wall panel, 5.5 m above window
35. TC on face of wall panel, 5.5 m above window

36 Skip
40. Time from ignition

TIME	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10
of										
current										
DATA	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C
11:47:04	29.5	19.8	15.2	41.1	19.2	13.1	13.1	15.7	16.5	61.4
11:47:09	36.4	23.8	17.7	51.4	28.1	17.2	15.4	18.8	19.5	98.1
11:47:14	52.4	40.3	23.1	74.2	46.3	22.9	28.7	33.1	31.2	167.5
11:47:19	69.7	52.4	28	97.2	61.5	28.4	37.2	42.9	43.7	256.7
11:47:24	85.2	68.7	33.9	127.5	82.4	34.8	40.5	51	54.4	288.7
11:47:29	102	86.7	41.4	152	104	42	59.4	72.3	70.7	330.2
11:47:34	117.9	106.3	49.9	175.3	121	49.7	61	77.6	75.9	346.6
11:47:39	132.6	123.5	58.3	199.9	135.5	57.2	56	67.9	68.4	367.8
11:47:44	149.5	140.5	67.1	222.2	163.1	65.3	50.4	70.5	69.7	372.6
11:47:49	164.9	158.6	76.4	243.8	181	73.2	54.4	73.1	76.8	398.7
11:47:54	177.1	176.4	85.4	267	194.2	80.4	61.9	66	69.9	395.8
11:47:59	193.4	194.9	95.8	292.5	210.8	88.9	77	75.7	72.2	426.1
11:48:04	207.6	211.9	106	317.7	227.7	96.6	69.2	75.9	73.3	426.3
11:48:09	222.9	230.6	116.8	339.3	242.4	105.2	70.2	77.3	73.3	415.5
11:48:14	239.2	254.2	128.4	360.6	258.5	114	72.4	70.1	66	425.3
11:48:19	256.4	273.2	140.7	387.1	276.2	123.7	76.1	76.9	70.7	435.2
11:48:24	278.2	296.9	154.2	416.4	296	133.9	81.1	91.8	87.1	448.8
11:48:29	298.6	321.2	168.2	441.3	316.3	145.3	82	87.2	80.8	467.5
11:48:34	320.1	344.3	183.3	466.5	336.1	156.2	83.2	99.8	94.7	480.9
11:48:39	340.9	370.8	198.4	489	357.1	168.3	79.9	91.8	90.9	489.3
11:48:44	362.3	394	213.8	514.7	377.8	180.1	81.1	85.5	85.2	504
11:48:49	383.8	421	231.6	536.7	400	192.8	74.2	88.6	91	461
11:48:54	401.5	443.5	247.7	558.3	421.5	206.1	69.3	84.9	86.9	468.9
11:48:59	423.2	467.2	264	582.7	444.3	219.1	90	98	97	529.1
11:49:04	446.6	492.1	281.9	605.7	467.2	232.2	78.2	92.9	97.3	544.2
11:49:09	469	516.5	300.1	628.4	492.4	246.7	83	99	101.5	568.7
11:49:14	489.5	541.7	318.4	650.4	515.2	260.7	85.4	103.9	107.2	554.5
11:49:19	513.9	564.6	336.3	673.1	544.8	276.7	92.6	117.7	123.2	577.9
11:49:24	536.6	585.5	353.7	693.3	572.1	292.5	89.4	110.1	111.6	561.9
11:49:29	559.2	604	371.2	713.9	610	309.2	94.4	117	116.4	588.2
11:49:34	579	625.8	389.5	735.6	642.9	325.9	99.6	104.2	104.3	625.6
11:49:39	604.5	643.9	411	754.5	666.2	343.3	91.9	112.2	115.4	608
11:49:44	621.5	664.7	429.5	769.1	686.2	358.8	96.2	126.2	126.8	639
11:49:49	638.8	679.3	445.7	785	702.2	373	106	119.9	116.6	658.6
11:49:54	655.9	695.2	462	798.9	720.1	388.7	108.3	113.9	115.6	647
11:49:59	673.2	712.5	479.4	811.8	734.7	404.3	116.7	132.1	129.3	685.7
11:50:04	691	729.5	495.8	826.3	750.8	419.2	104.2	106.6	101.8	707.7
11:50:09	708.3	748.4	512.8	838.8	765	433.2	99	95.7	101.3	753

11:50:14	726.2	762.1	530	849	778.8	446.4	110.7	127.1	127.7	754.4
11:50:19	743.7	775.9	546.8	858.2	788.8	459.8	115	131.5	128.6	761.5
11:50:24	758.2	788.2	561.9	868.3	800.2	473.5	118.8	128.5	130.7	761.9
11:50:29	774.5	802.2	578.6	882.1	816.1	490.2	111.9	124.4	119.7	788.7
11:50:34	784.5	814.2	592.4	896.3	827.2	505.9	113.3	125.9	123.6	704
11:50:39	797.4	822.4	604.5	917.5	842.2	524.5	127.7	134.8	127.9	768.7
11:50:44	808.3	831.9	614.5	932.8	862.5	543.9	123.1	117.5	110.9	806.8
11:50:49	820	844.6	623.9	942.8	872.8	562	127.8	123.9	113.6	829.5
11:50:54	834	863.1	636	949.3	886.5	574.9	118.2	120.1	117.8	791.1
11:50:59	853.4	869.4	651.3	962.3	895.4	589.7	115.5	126.2	123.9	765.8
11:51:04	869.9	879.2	662.9	974.3	903.2	607.7	118.2	123.9	118.3	790.6
11:51:09	884.1	888	676.9	984.4	912.1	623.4	114.5	113.4	109.7	775.3
11:51:14	897.8	894.9	691.4	1001.5	923	640.6	116.8	125.3	128	795.9
11:51:19	910.1	903.7	705	1015.7	935.9	657.3	113.4	118.2	116.5	807.4
11:51:24	924	914.1	717.7	1032	949.3	671.8	112.5	124.9	120.9	809.8
11:51:29	936.7	922.4	729.8	1042	964.7	686.6	107.9	118.9	123.9	807.3
11:51:34	951.7	933.3	742.1	1049.7	967.7	697.9	109.8	119	114.2	850.7
11:51:39	964.2	941.2	753	1056.4	979.7	712	114.7	133.1	130.2	855.1
11:51:44	975.2	949.7	763	1064.6	988.3	726.1	124.4	145.6	146.1	876.5
11:51:49	981.4	956.3	770.2	1079.6	1000	740.8	127.7	147.3	141.2	887.4
11:51:54	990.3	962.7	780.1	1088.3	1010	753.5	130.1	134.9	129.8	924.7
11:51:59	998.9	965.7	788.2	1097.1	1017.6	765.3	129.8	144	142	938.6
11:52:04	1011.5	977.7	805	1109.6	1033.9	777.2	130.6	142.5	147.2	948.6
11:52:09	1020.8	982.9	811.3	1117	1039.6	786.4	121.5	141.7	144	944.7
11:52:14	1023.8	988.4	819	1122.7	1046.3	798.4	137.1	153.2	149.3	940.7
11:52:19	1033.4	995.9	828.6	1127.8	1052.8	807.9	141.6	151.1	147.1	948.6
11:52:24	1039	1001.3	838.7	1131	1055.9	817	138	157.8	151.1	986.2
11:52:29	1048.8	1011.1	848	1133.7	1055	824.3	135.1	155.3	148	983.8
11:52:34	1055	1017.2	852.9	1134.3	1059.1	832.1	155.1	184	178.6	997.9
11:52:39	1062.7	1024.8	861.1	1134.8	1059.6	839.3	142.8	164.8	161.2	989.3
11:52:44	1071.4	1033	869.9	1136.4	1060.1	845.6	136.9	148.6	147.4	998.4
11:52:49	1074.9	1036.4	874.7	1141	1062.5	852.8	138.6	154.6	155.7	989.2
11:52:54	1079.5	1040.5	882	1142	1061.5	858.1	130.5	157.6	164.3	990.7
11:52:59	1085.7	1053.3	888.9	1145.7	1062	862	139	161.9	164.3	993.7
11:53:04	1090.4	1057.9	891.8	1147.3	1065.6	867.8	133.3	152.6	161.4	1015.4
11:53:09	1093.6	1058.6	897.3	1154.3	1071.9	872.4	144.8	158.9	156	1016.1
11:53:14	1092.6	1056	904.2	1151.1	1074.5	875.8	151.9	155.9	147.9	1008
11:53:19	1095.1	1061.6	910.6	1153.2	1078.1	880.2	138.4	158.1	159.6	1016.1
11:53:24	1103.3	1066.6	915.4	1152.6	1076.9	885	138.9	156.5	152.1	1028.7
11:53:29	1109.6	1071.8	919.9	1158.9	1081.1	889.9	151	167.3	163.4	1021.6
11:53:34	1111.6	1069.7	919.9	1159.5	1081.1	896.2	139.8	153.4	160.3	1028.7
11:53:39	1112.2	1069.7	923.9	1161	1082.1	901.6	138.6	161	166.4	1036.8
11:53:44	1116	1073.5	926	1166.5	1085.3	907.2	137.9	162.3	163.6	1035.9

11:53:49	1119.1	1078.1	929.4	1164.9	1084.8	909.2	149.1	171	168.7	1015.1
11:53:54	1121.6	1079.5	932.3	1167.4	1085.7	912.5	145	169.3	171.3	1019.5
11:53:59	1123.1	1077.5	934.8	1169.6	1088.3	919.9	148.3	174.2	178.5	998.8
11:54:04	1121.6	1075.4	937.3	1172.2	1091.9	926.3	149.3	173	178.2	994.8
11:54:09	1117.4	1074.4	937.8	1173.3	1097.1	931.3	154.1	186.2	195	995.8
11:54:14	1118.6	1074.5	941.9	1174.5	1099.3	934.4	158	187.5	190	1010
11:54:19	1119.6	1076.6	944.8	1177.2	1106.1	937.4	143.4	164.6	161.4	1031.9
11:54:24	1122.2	1080.2	946.8	1178.8	1105.5	940.4	153.5	165.3	163.1	1000.4
11:54:29	1124.3	1085.9	950.3	1178.2	1104.5	944.8	133.5	140.8	139.4	1008.5
11:54:34	1124.7	1090.4	955.2	1178.6	1103.9	946.2	151.4	181.6	181.5	1018
11:54:39	1131.7	1091.5	961.8	1182.5	1106.6	950.8	154.9	173	172.5	1025.3
11:54:44	1132.1	1089.4	958.7	1182.9	1105.4	954.2	173.5	176.4	171.7	1021.1
11:54:49	1132.1	1089.9	952.7	1185.6	1109.6	959.7	173	177.4	174.5	1001.8
11:54:54	1135.3	1093.1	953.8	1190.6	1109.2	964.8	168.9	177.9	175.3	1001.4
11:54:59	1135.3	1097.8	953.3	1197.5	1118.1	971.9	173.5	200.1	202.5	1024.3
11:55:04	1140.6	1100.4	959.3	1209.4	1129.6	974.9	175.1	182.9	183.7	1010.5
11:55:09	1145.9	1106.6	962.3	1214.3	1134.8	976.4	166.4	186	182.4	1027.8
11:55:14	1148.5	1119.6	966.3	1205.1	1131.1	977.9	172	191	191.3	1035.5
11:55:19	1143.2	1111.3	964.3	1202.4	1129.1	979.9	179.9	202.9	208.3	573
11:55:24	1141	1106	967.7	1201.2	1130.5	981.8	170.8	189.7	185.3	906
11:55:29	1139.6	1107.1	972.9	1199.2	1135.9	984.4	176	201	191.8	828.6
11:55:34	1142.2	1106.1	977.4	1199.7	1135.4	984.9	191.3	193	184.2	660.6
11:55:39	1141.7	1104.5	978.9	1195.9	1136.9	986	187.7	205.4	198	573.9
11:55:44	1141.7	1105.6	980.9	1200.3	1149.1	992	167.5	204	205.2	355.9
11:55:49	1148.9	1113.3	983.3	1203.4	1148.4	993.9	170.1	190.1	183.9	365.2
11:55:54	1150.1	1109.2	987.5	1205.7	1143.8	1001.5	182.5	184.5	176.2	362.2
11:55:59	1146.4	1106.1	984.5	1200.8	1135.9	1001.5	172.4	178	180.7	359.7
11:56:04	1139.1	1100.4	987	1202.4	1132.2	1005.1	183.3	171.8	165.5	363
11:56:09	1139.1	1104	990.5	1200.8	1129.6	1004.6	183.6	177.8	165.1	367
11:56:14	1143.7	1108.1	990.9	1204.5	1130.5	1007	187	215.5	211.6	371.5
11:56:19	1150	1114.8	999.5	1208.2	1142.1	1009.5	184.2	215.4	206.8	372.2
11:56:24	1152.1	1115.9	1004	1212	1140.5	1011.6	183.2	206.9	198.8	376.5
11:56:29	1150.1	1117.1	1008.7	1210.5	1137.5	1017.3	183.7	199.4	198.9	381.5
11:56:34	1150.7	1119.2	1002.6	1210.6	1137.5	1019.3	172.6	201.7	202.9	386.5
11:56:39	1153.2	1122.7	1002.5	1210.4	1139.5	1019.7	174.4	210.2	214.9	391.4
11:56:44	1156.5	1124.4	1006.6	1215.4	1149.6	1020.4	178.7	203.7	205.2	395.9
11:56:49	1159.6	1132.7	1007	1215.3	1145.3	1020.8	183.5	205.2	196.3	401.2
11:56:54	1173	1147	1010.2	1223.6	1161.3	1024.9	180	207.6	198.3	407.3
11:56:59	1181.9	1164.9	1020.8	1234.9	1162.2	1030.4	180	208.2	208.5	412.9
11:57:04	1186.3	1167.1	1022.4	1236.2	1165	1043.3	199.9	211.1	195.6	418.6
11:57:09	1192.8	1170.3	1025	1247.1	1183.1	1043.8	193.4	205.9	197.8	429.9
11:57:14	1191.6	1170.7	1021.3	1253.1	1182.5	1041.1	184.6	202.6	196.3	434.2
11:57:19	1193.7	1179.8	1022.3	1256.9	1185.7	1043.7	184.3	207.5	196.8	434.9

11:57:24	1192.3	1172.5	1017.3	1260.9	1191.2	1045.4	187.6	204.2	199.2	442.3
11:57:29	1184.8	1164.5	1014.8	1247.1	1177.3	1044.4	171.7	204.4	201.9	461.4
11:57:34	1179.3	1152.7	1009.6	1239.3	1172.9	1045.8	171.3	200.7	201.3	461.3
11:57:39	1176.2	1146.5	1012.8	1236.7	1169.8	1043.9	178.5	208.6	206.7	474.1
11:57:44	1180.9	1160.1	1017.2	1236.6	1176.1	1041.7	180.8	202.3	195.6	414.4
11:57:49	1184.8	1164.5	1027	1245	1180	1039.3	188.2	191.5	183.9	473.8
11:57:54	1188.4	1164.9	1023.9	1241	1174	1045.3	182.5	204.6	196.7	500
11:57:59	1185.3	1167.7	1023.5	1238.4	1171.4	1048	185.2	193.9	191.6	349
11:58:04	1189.1	1168.3	1018.9	1246.1	1175.2	1050	174.5	207	219.5	367.6
11:58:09	1189.6	1177.3	1019.4	1246.1	1178.9	1052.1	179.2	201.9	208.4	335.6
11:58:14	1189.6	1176.3	1020.9	1246.1	1181.6	1054.1	171.1	207	209.7	341.4
11:58:19	1191.2	1169.9	1020.4	1250.5	1181.1	1056.7	175	212.4	208.3	340.3
11:58:24	1187.9	1171.9	1025.4	1253.7	1181.5	1057.6	171.5	201	204.4	359.3
11:58:29	1191.7	1178.3	1028	1260.9	1187.9	1063.2	179.4	236.3	232.4	471.9
11:58:34	1189.6	1175.7	1029.6	1264.3	1195.6	1065.9	185.8	209.1	208.4	470.5
11:58:39	1189.7	1170.9	1033.7	1271	1208.5	1077.8	181.4	202	200.9	470.7
11:58:44	1191.1	1179.4	1030.5	1272.5	1209.5	1078.2	179.7	213.3	210.5	364
11:58:49	1194.5	1180	1034.7	1263.8	1197.7	1081.9	193.5	224	213.2	471
11:58:54	1192.4	1167.8	1032.7	1258.3	1189.1	1080.4	202.1	233.9	228.4	346.3
11:58:59	1189.5	1158.6	1033.1	1251	1176.2	1075.6	189	236	232.9	470.7
11:59:04	1186.9	1160.8	1033.1	1244.4	1167.1	1072.5	199.5	219.2	214.7	471.1
11:59:09	1191.8	1158.8	1033.7	1253.3	1183.3	1075.8	188.7	196.1	195.9	472.5
11:59:14	1193.5	1158.2	1036.3	1255.5	1183.3	1073.2	176.8	200.1	204.4	472.9
11:59:19	1195.1	1164.1	1038.9	1253.3	1187.6	1074.7	182.2	194.1	193.4	473.7
11:59:24	1197.1	1175.7	1038.7	1253.2	1187.4	1075.6	183	194.3	198.2	474.5
11:59:29	1202	1175.1	1047.4	1252.7	1184.2	1073.6	163.2	186.2	187	475.7
11:59:34	1200.5	1181.7	1051.6	1257.8	1183.3	1072.7	159.3	185.3	193.8	476.2
11:59:39	1198.3	1186	1052.7	1266.6	1186	1074.8	172.3	190.8	192.2	478.9
11:59:44	1209	1199.3	1057.2	1275.4	1189.6	1082.4	175	202.4	201.8	494.9
11:59:49	1211.8	1207.5	1065	1282.2	1192.4	1094.4	165	203.1	207.8	489.9
11:59:54	1217.8	1205.4	1071.2	1279.4	1201.6	1088.7	173.5	207.5	209	468.3
11:59:59	1223.3	1208.1	1076.3	1280.6	1192.4	1099.6	174.2	225.3	217.8	357.6
12:00:04	1223.8	1218.4	1084.1	1286.2	1191.4	1106.4	182.3	232.9	233	462.8
12:00:09	1226	1226	1086.7	1288.4	1193	1110.5	184.4	229.1	224	365.8
12:00:14	1229.8	1227.1	1078.9	1288.4	1185	1111.1	184.4	245.6	231.2	343.3
12:00:19	1230.4	1224.9	1076.4	1286.7	1185	1110	189.8	243.2	228.9	352.1
12:00:24	1230.4	1216.2	1074.8	1291.8	1191.9	1112.1	182.5	242.9	237	343.8
12:00:29	1231.5	1212.4	1079	1292.9	1198.4	1112.1	192.8	237.7	231.7	346.8
12:00:34	1226.6	1200.6	1083.6	1291.8	1199.5	1103.3	181	225.3	229.2	349.6
12:00:39	1223.2	1194	1083.5	1289.4	1205.3	1111	174.7	240.5	248.1	349.2
12:00:44	1229.2	1199.4	1092.3	1294.5	1213.4	1117.2	169.6	234.6	236.5	348.3
12:00:49	1233.1	1206.5	1096	1292.4	1217.9	1111.1	174.2	227.5	227.9	349.9
12:00:54	1231	1205.5	1089.3	1288.5	1210.9	1106.9	208.7	231.8	232	352.1

12:00:59	1232.6	1215.2	1089.3	1295.2	1207.1	1112.7	199.6	227.2	228.6	452.5
12:01:04	1233	1224.9	1089.2	1291.7	1202.6	1116.7	218.8	248	241.8	462.7
12:01:09	1237.6	1218.5	1092.4	1287.9	1208.7	1119	196.7	229.5	222.3	464.9
12:01:14	1233.2	1212	1095.6	1287.4	1206.6	1124.2	193.4	217.9	205.7	466
12:01:19	1231.6	1213.6	1094	1293	1208.2	1123.7	203.3	255.8	252.9	394.2
12:01:24	1228.8	1215.8	1092	1299.2	1203.9	1120.6	218.6	238.2	227.6	379.7
12:01:29	1233.2	1221.8	1095.1	1292.5	1205	1122.1	225.6	252.5	240.7	465.8
12:01:34	1230.4	1219.5	1093.4	1296.3	1205.4	1123.6	195.7	251.3	244.5	461.5
12:01:39	1229.4	1213.1	1099.2	1300.3	1207.7	1112.8	197.5	251.2	239.3	435
12:01:44	1230.9	1213	1102.7	1298.5	1201.6	1117.3	217	249.4	238.7	399.8
12:01:49	1237.1	1220.7	1106.5	1297.5	1198.5	1118	217.1	239.8	233.8	435.7
12:01:54	1239.3	1222.9	1105.5	1297.6	1197.5	1127.9	219.4	267.4	256.9	386.5
12:01:59	1247.4	1226.6	1106.4	1296.3	1201.1	1132	219	258.2	265.3	385.4
12:02:04	1244.2	1231.1	1107.1	1301.5	1196.9	1132.1	233.7	265.6	256.7	393.6
12:02:09	1250.2	1236.4	1101.2	1300.3	1203.3	1135.7	220.8	284.6	277.9	467.5
12:02:14	1251.4	1233.3	1105.5	1298.7	1208.8	1136.4	214.5	261.7	252.9	519.4
12:02:19	1246.9	1231	1111.6	1296.3	1201.7	1134.1	219.2	277.5	271.6	511.9
12:02:24	1244.7	1225	1113.2	1296.4	1199	1136.2	228.3	282.5	266.9	386.9
12:02:29	1240.4	1217	1116	1284.7	1199.7	1135.9	236.1	287.4	280.3	386.8
12:02:34	1242.6	1216.5	1116.5	1280.8	1199.2	1133.8	234.2	264.9	265.8	371
12:02:39	1243.8	1217	1117.5	1271.9	1200.2	1135.9	226.1	265.7	262.4	472.8
12:02:44	1244.9	1227.9	1117.6	1285.3	1206.2	1138.5	241.7	280.2	277.7	420.8
12:02:49	1243.1	1219.1	1120	1288.5	1204.4	1140	243.5	264	251.9	399.5
12:02:54	1242.5	1227.8	1122.1	1289.1	1204.5	1135.8	253.3	255.8	242.8	446.3
12:02:59	1249.2	1229.4	1129	1281.9	1198.5	1129	229.3	269.8	266.9	465.1
12:03:04	1253.7	1229	1128.6	1278.7	1198.1	1127	218.1	234.8	224.7	465.9
12:03:09	1254.3	1232.9	1127	1280.3	1205.2	1137	223.4	244.7	231.1	399
12:03:14	1252.1	1228	1127.5	1282	1203.5	1142.8	229.6	230.4	226.1	463.4
12:03:19	1251.4	1225.1	1126.4	1282.5	1199.6	1146.9	228.8	262.7	252.7	415.1
12:03:24	1249.2	1232.2	1128.5	1275.2	1197.5	1150.1	229.4	254.6	259.9	386
12:03:29	1251	1232.4	1131.3	1278.2	1199.8	1151.3	235.5	251.9	261.3	382.2
12:03:34	1256	1231.3	1136.5	1270.9	1204.1	1148.1	214.5	237.5	236.7	378.3
12:03:39	1259.3	1238.4	1134.9	1274.3	1209.5	1147.6	239.1	267.3	247.7	373.5
12:03:44	1258.1	1238.3	1132.7	1287.5	1209.4	1143.8	246.9	267.3	250.5	376.5
12:03:49	1258.1	1241.6	1133.3	1273	1205.1	1135.9	224.9	252.8	242.8	405
12:03:54	1254.2	1232.8	1133.3	1272.5	1201.9	1134.8	252.2	261	248.4	421.5
12:03:59	1251.5	1227.4	1130.1	1275.9	1203	1143.8	244.1	259.8	252.1	387.7
12:04:04	1245	1220.4	1128.2	1277.1	1202.6	1136.6	241.2	273.7	262.5	388.1
12:04:09	1248.9	1228.1	1129.8	1276.6	1199.3	1134.5	240.5	267.2	253.7	386.9
12:04:14	1253.9	1235.2	1133.4	1282.7	1208	1131.3	216.1	259.1	256.7	390.6
12:04:19	1253.9	1231.4	1134	1279.9	1210.2	1127.7	239.8	264.9	268.3	389.5
12:04:24	1253.9	1229.2	1135	1290	1214.5	1131.4	232.7	261.5	251.4	389.5
12:04:29	1256.6	1228.7	1139.8	1290	1211.3	1134.5	237.6	269	258.5	390.7

12:04:34	1254.5	1228.7	1140.8	1289.5	1207.5	1138.2	246.2	271.4	260.7	390.8
12:04:39	1251.7	1228.1	1139.3	1288.9	1209.1	1145.6	227.1	280.4	270.1	392.2
12:04:44	1251.2	1225.4	1142.4	1280	1207	1146.7	225.6	291.1	287.4	394.5
12:04:49	1257.1	1231.8	1146.5	1282.7	1212.3	1145.5	210.5	265.3	256.4	429.9
12:04:54	1257.1	1230.8	1146.5	1283.8	1214.4	1150.2	210.8	304.4	303	472.1
12:04:59	1259.5	1240.8	1149.9	1284.5	1210.8	1147.7	229.8	317	313.8	430
12:05:04	1261.2	1240.2	1141.4	1282.3	1209.2	1148.3	227.7	290.4	296.2	428.8
12:05:09	1257.9	1234.2	1139.9	1286.8	1210.8	1149.4	208.1	268.5	266.7	426.1
12:05:14	1257.9	1237.5	1143	1290.7	1215.2	1145.1	200.1	269.1	290	431.3
12:05:19	1261.2	1239.2	1143	1296.9	1219.5	1152	220.1	272.4	285.3	434.7
12:05:24	1260.1	1237.5	1145.7	1303.6	1222.3	1149.4	244.5	299.3	310.4	480.5
12:05:29	1254	1228.3	1143.1	1299.7	1214.7	1151	232	276.6	273.2	434.2
12:05:34	1259	1237	1145.2	1304.2	1222.8	1153.6	247.3	289.2	279.7	464.4
12:05:39	1253	1232.1	1145.2	1300.9	1219	1152.1	227.2	277.5	269.4	423.7
12:05:44	1255.2	1235.9	1143.1	1295.2	1214.7	1151	215.4	276.3	271.4	419.5
12:05:49	1259	1239.2	1146.8	1301.4	1219.6	1152.6	232.6	286.3	278.5	450.8
12:05:54	1263.9	1245.1	1146.7	1304.7	1228.7	1149.9	198.4	252.4	251.7	433
12:05:59	1268.9	1250.7	1148.8	1299.6	1229.8	1147.2	209.8	247.9	257.5	436.3
12:06:04	1272.4	1252.5	1152.6	1297	1230	1150	212.9	245.4	237.5	431.5
12:06:09	1270.2	1249.2	1153.7	1293.1	1232.2	1151.6	201.5	244.3	243.1	434.4
12:06:14	1269.6	1247	1152.7	1281.3	1215.9	1139.5	208.8	252.2	254.6	438.8
12:06:19	1262.4	1243.1	1147.9	1270.2	1206.1	1131.6	191.2	230.7	244.5	437.7
12:06:24	1259.5	1245.8	1149.4	1275.1	1207.6	1137.8	220.5	262.4	259.2	429.7
12:06:29	1256.9	1243.2	1146.9	1273	1206.7	1128	207.7	251.7	252.8	432.7
12:06:34	1260.8	1248.7	1150.6	1269.7	1207.8	1128	213.4	239.3	231	434.2
12:06:39	1260.8	1244.8	1149.6	1273.6	1214.3	1133.8	234.7	263.7	255	437.9
12:06:44	1262.5	1242.7	1151.2	1278.1	1220.8	1134.8	222.7	279.2	282.3	439.5
12:06:49	1262.4	1250.2	1154.7	1284.6	1223.4	1137.3	228.8	257.5	241.6	438.3
12:06:54	1268.1	1251.5	1153.8	1291.5	1224.1	1139.6	219.1	256.9	255.2	440.4
12:06:59	1272	1258.1	1154.4	1293.2	1223.6	1145.9	224.1	279.7	278.2	441.2
12:07:04	1273.6	1262.6	1156	1299.4	1216.5	1140.1	222.1	264.3	269.5	443.6
12:07:09	1274.2	1258.7	1158.1	1296	1222.5	1148.6	219.4	267.6	275.5	444.7
12:07:14	1267	1251.5	1158.1	1297.7	1229.6	1147.5	223.8	281.9	295.6	444.1
12:07:19	1260.9	1250.4	1153.9	1291.6	1235.6	1148.6	236.8	288.3	299.7	445.7
12:07:24	1262.1	1251	1151.3	1291	1237.3	1149.7	221.6	265.4	272.4	446.4
12:07:29	1261	1249.9	1148.1	1284.3	1218.2	1150.2	210.8	292.2	302.8	447.1
12:07:34	1256	1245.5	1142.8	1274.3	1206.8	1152.9	210.5	273.2	280.4	446.1
12:07:39	1254.4	1245.5	1147.6	1268.7	1204.2	1146.5	222.3	283.6	289.7	444.1
12:07:44	1249.5	1239.7	1144.6	1267.8	1203.2	1141.4	221.6	246.8	245.8	445.4
12:07:49	1243.4	1230.2	1140.8	1262.7	1206.3	1135.5	200.5	246.9	255.6	448.1
12:07:54	1241.2	1224.3	1136	1263.8	1213.4	1134.5	205.2	254.8	256.2	449.4
12:07:59	1239.6	1225.4	1135	1253.3	1210.7	1128.7	194.5	237.3	249.1	458.4
12:08:04	1235.2	1221	1135.5	1245.1	1196.7	1127.2	173.2	212.1	227.6	437.3

12:08:09	1234.1	1218.9	1135	1235.8	1182.2	1117.2	181.5	242.9	260.9	455.6
12:08:14	1228.7	1216.7	1131.4	1229.8	1181.1	1109.4	176.6	216.7	231.8	444.3
12:08:19	1222.7	1212.4	1125.6	1233.6	1190.3	1104.8	184	226.8	236.7	415.8
12:08:24	1216.6	1213.9	1119.2	1225.8	1179.4	1101	183.5	226.1	245	454.8
12:08:29	1212.9	1203.2	1116.3	1214	1172.6	1099.6	179	217.4	231.4	412.7
12:08:34	1208.1	1197.3	1111	1202.7	1160.4	1098.1	169.3	207.2	224.1	389.5
12:08:39	1203.8	1191.4	1110	1193.5	1156.7	1095	167.6	212.6	224.7	377.1
12:08:44	1198.4	1190.3	1103.8	1188.7	1150.4	1089.3	177.9	216	233.7	370.2
12:08:49	1192.5	1185	1098.6	1183.9	1146.7	1085.7	178.6	219.4	232.3	394.5
12:08:54	1186.6	1181.8	1092.4	1176.4	1141.5	1082.1	180.2	212.2	224	372.1
12:08:59	1181.3	1171.7	1086.2	1175.9	1139.4	1084.1	166.6	204	216.4	360.7
12:09:04	1173.8	1160	1077.5	1171.7	1137.8	1080.5	174.1	217.1	231.3	366.9
12:09:09	1170.1	1153.1	1074.9	1161.6	1126.3	1073.3	151.9	194.6	214.3	395.7
12:09:14	1167.4	1149.4	1073.4	1155.8	1122.6	1070.3	160.1	202.3	217.6	376.5
12:09:19	1161.1	1143.1	1067.7	1147.9	1115.9	1061	164.2	206.4	208	428.2
12:09:24	1156.9	1146.3	1061.6	1139.4	1107.5	1061.6	164.5	216.9	228.4	364
12:09:29	1151.1	1139.5	1056.5	1131.6	1102.4	1055.9	156	212.9	221.2	383.4
12:09:34	1144.7	1130	1051.9	1125.8	1095.1	1051.3	155.5	207.5	223	395.2
12:09:39	1136.9	1120.6	1043.2	1119.6	1087.9	1041.6	159.6	211.8	224.1	411.2
12:09:44	1130	1112.8	1038.1	1114.4	1083.2	1039.6	170.4	215.2	229.3	396.1
12:09:49	1125.9	1106	1031	1107.6	1079.1	1036	168.6	210.8	221.8	416.6
12:09:54	1118	1097.8	1025.4	1101.9	1073.5	1033	164.5	201	204.3	402.9
12:09:59	1110.2	1089	1017.2	1093.6	1065.3	1022.8	164.4	204.9	216.7	384.8
12:10:04	1104.5	1081.2	1010.1	1087.4	1057.6	1017.3	171	201.1	206.3	379.9
12:10:09	1099	1075.2	1007.7	1080.3	1050.5	1008.8	159.1	208.4	220.3	378.8
12:10:14	1093.1	1070.9	1005.1	1070.9	1040.7	1002.1	156.2	204.2	219	378
12:10:19	1083.3	1061.2	995.6	1063.3	1032.6	996.6	170.4	223.9	233.9	379.5
12:10:24	1072	1052	987	1053.5	1022.4	989	184.2	199.4	193.4	361
12:10:29	1061.2	1041.3	981.5	1041.3	1012.2	979.5	180.4	206.5	205.7	378.2
12:10:34	1055.1	1034.1	973.4	1031.6	1004.1	970.9	167.2	210.3	220.4	348.2
12:10:39	1049	1027	965.9	1021.9	995.6	963.9	161	195.6	203.6	315.2
12:10:44	1040.3	1016.9	957.4	1013.3	986.6	953.4	148.5	188.5	193.5	321.8
12:10:49	1029.1	1006.7	949.5	1004.7	980	945	143.9	188.5	199.7	349.5
12:10:54	1020.4	998.2	942.5	998.2	972	937.5	138.4	182.9	199.3	344.4
12:10:59	1009.8	987.1	934.1	988.6	963.5	930.6	154.5	192	197.4	339
12:11:04	999.2	976.5	924.2	976.5	953.5	920.2	152.7	179	181	343.1
12:11:09	988.1	967.5	917.3	966.5	943.5	911.3	152.1	186.3	188.7	333.1
12:11:14	978.6	958	906.4	956.5	935.6	902	148	180.2	187.2	332.6
12:11:19	968.5	947.6	898.1	947.6	927.7	890.2	152.3	188.7	194.1	334.1
12:11:24	959	937.1	890.2	937.6	918.8	882.4	147.6	203.4	218.4	299.4
12:11:29	947.1	926.2	879.4	928.7	908.9	874.6	142.2	190	203.5	318
12:11:34	936.6	915.3	869.2	918.3	900.6	865.8	144.2	183.2	191.8	312.1
12:11:39	925.4	903.2	858.6	908.6	889.9	856.7	145.4	183.5	196	300.8

12:11:44	913.9	892.2	847.8	896.7	878.5	846.9	147	182.6	184.1	300.9
12:11:49	902.6	879.5	834.3	884.4	866.3	833.8	140.4	173.9	179.1	295.2
12:11:54	891.3	867.3	820.3	871.7	855.6	822.2	141.5	172.6	183.2	301.5
12:11:59	879	854.2	805	859.5	843.5	813.1	152.5	166.8	171.2	287
12:12:04	866.9	838.2	793	845.5	831	800.6	137.5	158.2	163.5	302.7
12:12:09	850.8	821.3	779.2	830.5	814.1	786.3	125.6	154.8	161.1	290.9
12:12:14	831.5	800.7	759.2	811.2	794	767.3	118.6	148.2	151.1	299.3
12:12:19	811.7	781.1	741.7	793.5	774.4	754	117	146.8	148.2	290.7
12:12:24	791.6	760.2	724.2	772.5	754.5	735.1	116.4	153.1	151.2	289.3
12:12:29	776.3	742.2	708.3	755.4	737	720.5	107.6	142.1	148.5	279.2
12:12:34	762.1	726.6	694.2	739.8	722.4	706.9	103.7	140	142.6	276.5
12:12:39	748.4	710.6	676	723.8	708.3	693.7	103.1	138.7	146.6	275.7
12:12:44	736.1	695.6	663.8	709.7	694.7	682	105.1	138.8	140.2	270.9
12:12:49	724.8	682.5	651.3	695.6	682.1	669.5	105.2	147.7	149.7	265.8
12:12:54	713	668.5	638.3	682.5	670.4	659.2	107.8	137.3	141.3	264.2
12:12:59	702.7	656.9	625.8	667.6	659.2	648.5	103.6	130.9	135.9	260.8
12:13:04	692.4	644.8	614.7	655.5	648.1	636.9	102.4	134.7	138.8	258.7
12:13:09	682.1	630.4	601.3	643.4	636.5	626.3	92.5	128.4	140.9	270.6
12:13:14	673.7	619.3	590.6	631.8	626.7	618.4	92.2	127.7	139.7	255.7
12:13:19	665	609.3	580.1	621.3	616.7	609.3	93.6	131.2	136.7	254.6
12:13:24	653.7	599	569	610.5	608.7	601.3	95.5	118.4	121.5	253.4
12:13:29	646.7	589.3	560.7	600.4	600.8	593.4	97.4	116.1	113.4	251.9
12:13:34	638.4	581.4	551.9	591.1	592.1	588.4	95.8	118	125.8	249.7
12:13:39	631.9	572.2	544.1	581	583.8	579.6	91.4	113.9	116.7	262.7
12:13:44	625.1	563.1	537.3	571.9	574.2	574.2	87.7	110.4	112.3	254.2
12:13:49	618.9	553.8	526.6	563.5	567.6	569	87.5	115.5	118.4	252.1
12:13:54	612.6	546.6	518.4	555.8	560.8	564.5	86	114.7	119	249.6
12:13:59	605.1	537.7	512.4	545.5	552.9	556.6	82.7	111	116	246.6
12:14:04	599.2	529.5	507.4	539.7	547.5	552.6	79.1	106.4	111.4	244.2
12:14:09	592.7	523.6	501.4	532.8	541.1	547.5	78.1	109.7	114.5	242.3
12:14:14	586.6	515.6	494.2	525.8	535	541.9	78.6	108.4	115.9	240.5
12:14:19	581.2	509.8	488.9	518.5	528.2	535.6	76.9	105.4	114.1	239
12:14:24	576.6	503.3	484.5	511.6	521.3	531	76.9	107.5	114.3	235.9
12:14:29	570.5	496.8	475.6	504.6	515.6	525.8	76.7	102.1	107.8	239.7
12:14:34	565.9	491.2	471.2	499.5	511.1	521.2	77.9	98.8	107.6	235.8
12:14:39	561.3	485.9	467.1	493.3	505.5	518	76.2	100.8	110.2	233.6
12:14:44	557.2	480.2	462.2	486.3	500	513.8	72	101.3	109.6	231.1
12:14:49	550.3	473.4	456.8	479.6	495.4	509.2	71.8	96.8	102.2	226.5
12:14:54	545.2	467.6	450	475.2	491.2	505.1	77.6	96.3	100.1	222.7
12:14:59	539.7	463.2	443.7	468.4	486.7	501	77.4	97	101.7	221.3
12:15:04	535.1	456.8	439.8	463.9	482.1	497.8	74.2	96.3	103.6	219.5
12:15:09	531.4	451.7	435.8	457.3	478	493.1	74.9	92.5	94.8	217.9
12:15:14	527.4	446.7	433.4	451.9	473.8	487.7	76.9	100.4	101.3	216

12:15:19	521.4	442.1	428.2	447.6	468.6	485.1	75.7	100.4	102.6	214.2
12:15:24	518.2	437.6	423.9	444	464.5	482.8	72	97	97.2	212.2
12:15:29	513.9	434	419.9	438.1	459.2	479.3	69.8	98.9	100.5	210.7
12:15:34	510.7	429.5	413.9	434	455	477.4	70.4	96.7	100.2	208.5
12:15:39	506.3	425.1	410.6	428	450.3	474.2	71.4	97.5	98.5	206.8
12:15:44	502	420.3	406.8	422.5	446.9	470.7	69.9	92.7	92.9	205.9
12:15:49	497.4	416	404.4	417	443.9	467.6	68.1	90.5	98.1	206.2
12:15:54	494	412.3	400.2	413.8	440.5	465.6	65.6	87.8	96.8	205
12:15:59	490.8	407.7	396.8	408.4	435.9	461.9	62.8	88.6	95.6	203.8
12:16:04	487.7	403.4	392	405	432.2	458.9	66.4	89.7	93.2	201.4
12:16:09	483.6	399.1	388.1	401.7	428.9	456.2	65.9	90	95.4	199.2
12:16:14	480	396.4	384.9	398.5	425.5	453.1	64.1	88.9	93.6	198.8
12:16:19	477	392.1	380	395	421.5	448.9	65	88.3	90.1	198.1
12:16:24	474	388.3	376.9	391	417.8	444.7	68	88.5	91.5	196.9
12:16:29	470.1	383.7	374.5	386.8	414.7	441.9	65.1	89.8	94	196.6
12:16:34	466.8	380.3	370.8	382.2	411.8	437.9	64.9	84	86.1	195.6
12:16:39	463.2	377.3	367.8	378.9	408.7	434.4	66.2	85	88.9	194.2
12:16:44	460.9	374.1	364.4	374.6	405.9	432.9	67.5	86.5	88	193.1
12:16:49	457.5	371.2	362.3	372.4	403.3	432	68.1	86.3	89.9	192.2
12:16:54	454.2	368.4	360.2	368.2	401.2	427.7	64.3	85.2	87.7	192.1
12:16:59	450.9	365.2	356.5	365.7	398.8	425.6	61.7	78.7	82.1	191.6
12:17:04	447.8	361	352.5	362.1	396.3	421.7	63.1	82.8	87.7	190.9
12:17:09	445.5	356.3	349.3	358.8	393.1	420.2	61.9	79.1	85.8	189.8
12:17:14	442.9	353.8	346.3	354.6	389.8	417.3	59	74.9	82.1	188.8
12:17:19	439.2	351.1	343.2	351.8	387.6	415	57.1	78.4	84.5	188
12:17:24	435.9	347.8	341	347.7	384.4	411.8	57.2	80	83	187.2
12:17:29	432.9	344.9	338.1	345.8	381.2	409.7	55.1	74.4	79.2	186.5
12:17:34	430.4	343.2	335	342.7	378.9	407.8	58.1	75.1	77.7	185
12:17:39	427.7	340.6	332.6	339.9	376.1	405.3	54.8	74	79.5	183.5
12:17:44	424.3	337.5	330.7	336.4	373.6	404.3	58.3	73.6	77.8	181.7
12:17:49	422	335.4	328.2	332.9	370.6	400.9	63	74.5	75.9	181.3
12:17:54	419.5	332.2	326.5	331	367.3	399.6	58.8	77.1	79.5	180.2
12:17:59	417.2	329.4	324	327.8	364.4	398.9	58.8	76.9	78.1	180.3
12:18:04	414.9	326	320.6	325.9	361.6	396.3	57.5	76.2	80.2	179.6
12:18:09	411.6	324.2	318.9	324	359	395.7	54	75.7	78.9	180.1
12:18:14	409.7	322.3	316.2	322.3	357	393.4	54.5	73.1	77.8	180.3
12:18:19	407	319.8	314	320.7	355.2	391.1	51.6	65.4	70.2	179.2
12:18:24	404.7	316.5	312.6	318.4	352.5	388.9	54.9	67.4	69.8	178.7
12:18:29	402.6	314.7	311.4	316.7	351	386.4	54.1	68.3	71.1	178.1
12:18:34	400.2	312.2	309.4	314.4	349.9	384	51.9	67.7	73.1	177.5
12:18:39	397.3	309.7	305.8	312.6	348.2	382.7	53.3	67.7	71.8	176.8
12:18:44	394.2	307.5	304.9	309.8	346.3	380.1	51.6	68.7	73.1	176.1
12:18:49	392.1	303.8	301.9	308.1	343.3	377.6	53.7	66.9	71.4	175.5

12:18:54	389.6	301.6	298.5	306.4	341.9	376.3	50.3	69.7	74.6	175
12:18:59	387.2	300.2	296.6	303.5	340.2	373.1	50.2	70.1	77.5	174.5
12:19:04	385.7	297.7	295.6	302	337.8	371.9	47.9	65.5	74.9	174
12:19:09	383.5	296.4	294	300	335.2	372.7	49.8	71.3	79.1	173.4
12:19:14	381.6	294.3	292.2	297.3	332.6	371.3	52.1	71.4	77.5	172.7
12:19:19	379.8	292.9	290.3	295.6	331.2	370.2	51.8	70.1	72.8	171.2
12:19:24	378.1	290.9	289.4	293.3	330	368.4	51.6	70.5	75.1	170.2
12:19:29	376.3	289.5	287.4	289.9	327	366.3	53.7	72.3	75.2	169.4
12:19:34	374.1	287.3	286.9	288.6	325.6	364.7	54.4	74.2	76.6	168.5
12:19:39	371.9	285.2	284.4	285.8	323.9	363.3	50	66.8	70.5	168
12:19:44	369.3	283.2	281.1	283.6	322.4	361.2	40.8	47.6	47.7	168
12:19:49	366.8	280.2	277.5	282.4	321.8	360.8	33.6	37.9	37.4	167.4
12:19:54	363.6	277.6	273.9	280.8	320	358.9	30	33.7	33	167.9
12:19:59	360.1	274.8	270	277.8	317.4	357	39.1	40.7	39.5	166.7
12:20:04	358.6	271.9	266.3	275.4	314.7	355.3	48.1	44.2	40.2	165.5
12:20:09	356.9	270	264.1	273.2	310.5	352.7	38.3	36.9	34.2	166.5
12:20:14	355.7	268.1	262.2	271.3	307.2	349.9	36.7	43.4	42.7	165.2
12:20:19	354.6	266.2	259.7	269.1	306.7	348.4	45	48.7	48.2	163.5
12:20:24	352.6	263.3	257	267.2	305.7	345.5	48.5	50	47.7	162
12:20:29	349.4	260.7	255.7	264.5	302.3	343.5	46.6	49.3	48.3	160.4
12:20:34	348.2	258.2	253.5	262.8	300.2	342.2	50.4	51.4	50.2	159.2
12:20:39	347	255.8	253.1	261.2	299.7	340.1	50	56	53.1	158.4
12:20:44	345.4	253.5	251.7	259.7	298.1	339.7	47.4	53.7	55.4	157.8
12:20:49	343.6	251.2	250.3	257.4	296.8	338.7	49.4	59.5	58.4	157.3
12:20:54	341.6	249.7	249	256.3	294.8	337.2	50	59.8	56.3	156.8
12:20:59	340.4	248.2	247.3	255.5	293.8	336.4	47	59.2	58	156.2
12:21:04	338.9	246.4	245.6	253.4	292.1	333.9	44.5	61.2	60.9	155.5
12:21:09	337.6	244.8	244.4	252	290.4	332.2	45.3	58.2	56.1	154.8
12:21:14	336.1	243.3	242.1	250.4	289.6	332.3	44	55.9	54.6	153.9
12:21:19	334.4	242	240.8	248.7	287.6	331.1	45.4	54	52.4	153.1
12:21:24	333	240	239.6	246.1	286.3	331	44.8	55.9	56.1	152.3
12:21:29	330.9	238.8	238.5	244.4	284.8	328.8	45.5	56.1	57.4	151.4
12:21:34	329	237.8	237.2	243	283.1	326.7	46.7	57.8	58.6	150.7
12:21:39	327.8	236.6	235.6	241	282.2	326.6	43.9	53.9	55.8	150
12:21:44	326	234.9	233.9	239.6	281.6	327.1	41.8	46.3	46.9	148.5
12:21:49	324.7	233.6	231.8	238.3	280.3	325.9	39.7	40	40.3	147.2

TIME	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16	Slot 17	Slot 18	Slot 19	Slot 20
of										
current										
DATA	deg C	deg C	kW/sq	kW/sq	kW/sq	kW/sq	kW/sq	kW/sq	kW/sq	kW/sq

			m	m	m	m	m	m	m	m
11:47:04	36.8	67.5	-3.00E-05	-2.00E-05	-3.00E-05	1.00E-05	2.00E-05	3.00E-05	1.10E-04	2.50E-04
11:47:09	46.4	143.7	-3.00E-05	-2.00E-05	-2.00E-05	1.10E-04	7.00E-05	1.20E-04	2.00E-04	4.30E-04
11:47:14	105.3	233.8	0	-1.00E-05	-3.00E-05	1.30E-04	1.20E-04	1.90E-04	2.40E-04	5.50E-04
11:47:19	137.6	321.7	1.10E-04	8.00E-05	9.00E-05	8.00E-05	1.30E-04	2.20E-04	2.90E-04	6.20E-04
11:47:24	168.9	375.5	2.00E-05	3.00E-05	0	9.00E-05	1.50E-04	2.60E-04	3.20E-04	7.00E-04
11:47:29	200.3	410.6	0	8.00E-05	7.00E-05	1.10E-04	1.80E-04	3.10E-04	3.60E-04	7.90E-04
11:47:34	234	444.9	1.10E-04	8.00E-05	6.00E-05	1.20E-04	1.90E-04	3.30E-04	3.80E-04	8.60E-04
11:47:39	258.9	460.3	7.00E-05	8.00E-05	4.00E-05	1.40E-04	2.10E-04	3.70E-04	4.20E-04	9.40E-04
11:47:44	253.2	478.2	1.30E-04	6.00E-05	8.00E-05	1.40E-04	2.20E-04	3.90E-04	4.30E-04	9.90E-04
11:47:49	250.1	491.5	5.00E-05	6.00E-05	3.00E-05	1.40E-04	2.20E-04	3.90E-04	4.30E-04	1.03E-03
11:47:54	236.1	493.7	-1.00E-05	5.00E-05	6.00E-05	1.50E-04	2.30E-04	4.10E-04	4.40E-04	1.05E-03
11:47:59	243.2	497.9	2.00E-05	1.60E-04	6.00E-05	1.60E-04	2.50E-04	4.40E-04	4.60E-04	1.12E-03
11:48:04	249.9	498.1	1.70E-04	1.60E-04	3.00E-05	1.70E-04	2.70E-04	4.70E-04	5.10E-04	1.20E-03
11:48:09	263.6	516	1.30E-04	1.60E-04	2.60E-04	1.90E-04	3.00E-04	5.30E-04	5.60E-04	1.32E-03
11:48:14	260.8	531.1	9.00E-05	4.00E-05	4.00E-05	2.20E-04	3.40E-04	5.90E-04	6.30E-04	1.45E-03
11:48:19	297.8	551.2	4.00E-05	1.00E-04	8.00E-05	2.30E-04	3.70E-04	6.50E-04	6.90E-04	1.58E-03
11:48:24	294	579.8	9.00E-05	1.10E-04	9.00E-05	2.60E-04	4.10E-04	7.40E-04	7.50E-04	1.76E-03
11:48:29	318.3	595.1	-3.00E-05	6.00E-05	1.50E-04	2.80E-04	4.30E-04	7.70E-04	7.90E-04	1.85E-03
11:48:34	342.9	635.4	3.70E-04	1.00E-04	7.00E-05	3.20E-04	4.90E-04	8.60E-04	8.70E-04	2.00E-03

11:48:39	334.7	626.1	1.00E-04	9.00E-05	-1.00E-05	3.30E-04	5.00E-04	9.20E-04	8.80E-04	2.04E-03
11:48:44	370.6	649.3	7.00E-05	9.00E-05	1.40E-04	3.50E-04	5.30E-04	9.60E-04	9.30E-04	2.15E-03
11:48:49	332.1	661	0	3.00E-05	4.00E-05	3.50E-04	5.60E-04	1.00E-03	9.90E-04	2.22E-03
11:48:54	333.1	656.8	1.10E-04	1.00E-04	3.00E-05	3.80E-04	5.80E-04	1.03E-03	1.05E-03	2.35E-03
11:48:59	372.1	674.5	9.00E-05	9.00E-05	2.00E-04	4.30E-04	6.60E-04	1.17E-03	1.14E-03	2.54E-03
11:49:04	409.1	708.1	2.00E-05	1.10E-04	9.00E-05	4.60E-04	7.20E-04	1.31E-03	1.29E-03	2.81E-03
11:49:09	390.7	705.7	1.00E-04	1.70E-04	2.70E-04	4.60E-04	7.10E-04	1.32E-03	1.26E-03	2.82E-03
11:49:14	412.4	713.8	7.00E-05	1.20E-04	8.00E-05	4.90E-04	7.70E-04	1.40E-03	1.40E-03	3.06E-03
11:49:19	437.5	733.5	2.50E-04	1.40E-04	1.50E-04	5.20E-04	8.00E-04	1.43E-03	1.42E-03	3.16E-03
11:49:24	426.1	740.7	2.60E-04	6.00E-05	7.00E-05	5.40E-04	8.40E-04	1.53E-03	1.48E-03	3.25E-03
11:49:29	474.3	749.7	1.80E-04	1.30E-04	1.60E-04	5.70E-04	8.60E-04	1.56E-03	1.48E-03	3.31E-03
11:49:34	467.2	761.5	7.00E-05	1.20E-04	1.40E-04	5.90E-04	9.30E-04	1.69E-03	1.73E-03	3.74E-03
11:49:39	466.9	783.9	5.00E-05	1.30E-04	6.00E-05	6.20E-04	9.50E-04	1.77E-03	1.71E-03	3.73E-03
11:49:44	503.4	788.6	1.80E-04	1.90E-04	1.90E-04	6.40E-04	9.60E-04	1.78E-03	1.69E-03	3.72E-03
11:49:49	510.5	803.1	3.90E-04	2.70E-04	1.80E-04	6.60E-04	1.02E-03	1.84E-03	1.76E-03	3.87E-03
11:49:54	549.4	812.7	1.90E-04	2.40E-04	2.80E-04	6.90E-04	1.06E-03	1.91E-03	1.83E-03	3.94E-03
11:49:59	542.5	818.4	3.80E-04	2.10E-04	6.00E-05	7.00E-04	1.09E-03	1.99E-03	1.92E-03	4.16E-03
11:50:04	559.5	816	-1.00E-05	9.00E-05	3.60E-04	7.40E-04	1.15E-03	2.09E-03	2.05E-03	4.40E-03
11:50:09	570.2	827.6	1.40E-04	1.40E-04	1.60E-04	7.70E-04	1.20E-03	2.18E-03	2.11E-03	4.51E-03
11:50:14	574.3	828.5	3.90E-04	3.20E-04	2.80E-04	8.10E-04	1.24E-03	2.23E-03	2.13E-03	4.64E-03
11:50:19	590	848.9	4.50E-04	2.90E-04	4.90E-04	8.60E-04	1.26E-03	2.27E-03	2.20E-03	4.69E-03

11:50:24	607.5	854.6	1.50E-04	2.10E-04	5.00E-05	8.30E-04	1.30E-03	2.30E-03	2.24E-03	4.83E-03
11:50:29	599.3	851.3	1.20E-04	1.20E-04	7.00E-05	8.30E-04	1.26E-03	2.34E-03	2.30E-03	4.96E-03
11:50:34	654	850.8	2.40E-04	1.80E-04	7.00E-05	7.70E-04	1.20E-03	2.20E-03	2.13E-03	4.86E-03
11:50:39	666.6	851.3	2.50E-04	2.50E-04	7.00E-05	9.10E-04	1.34E-03	2.45E-03	2.32E-03	5.23E-03
11:50:44	673	870.1	3.70E-04	2.70E-04	1.00E-04	9.00E-04	1.34E-03	2.48E-03	2.36E-03	5.31E-03
11:50:49	678.7	875.2	4.80E-04	2.40E-04	2.70E-04	9.30E-04	1.37E-03	2.56E-03	2.46E-03	5.51E-03
11:50:54	661	874.7	3.30E-04	2.60E-04	2.20E-04	1.00E-03	1.48E-03	2.66E-03	2.44E-03	5.52E-03
11:50:59	633.1	879.1	1.30E-04	1.80E-04	1.40E-04	9.30E-04	1.43E-03	2.66E-03	2.50E-03	5.67E-03
11:51:04	598.3	874.7	3.90E-04	2.30E-04	7.00E-05	9.50E-04	1.40E-03	2.57E-03	2.51E-03	5.71E-03
11:51:09	644.7	892.8	1.60E-04	2.00E-04	3.80E-04	9.80E-04	1.46E-03	2.68E-03	2.53E-03	5.82E-03
11:51:14	653.5	897.7	2.20E-04	3.30E-04	1.20E-04	9.30E-04	1.47E-03	2.70E-03	2.68E-03	6.07E-03
11:51:19	636.3	909	3.50E-04	2.90E-04	3.20E-04	9.40E-04	1.51E-03	2.77E-03	2.56E-03	6.00E-03
11:51:24	668	925.8	3.90E-04	3.10E-04	2.30E-04	1.13E-03	1.60E-03	2.94E-03	2.63E-03	5.90E-03
11:51:29	659	924.7	2.10E-04	3.50E-04	3.60E-04	1.13E-03	1.67E-03	3.20E-03	2.86E-03	6.31E-03
11:51:34	732.6	914.3	6.10E-04	4.50E-04	2.80E-04	1.16E-03	1.64E-03	2.99E-03	2.70E-03	6.20E-03
11:51:39	719.8	938.1	1.50E-04	2.90E-04	4.00E-04	1.25E-03	1.80E-03	3.38E-03	3.04E-03	6.44E-03
11:51:44	774.7	973.1	7.80E-04	4.70E-04	2.00E-04	1.52E-03	2.08E-03	3.79E-03	3.10E-03	6.58E-03
11:51:49	841.1	981.2	3.30E-04	3.70E-04	4.40E-04	1.33E-03	1.94E-03	3.59E-03	3.02E-03	6.37E-03
11:51:54	862.4	1005.3	1.08E-03	7.30E-04	5.30E-04	1.49E-03	2.10E-03	3.92E-03	3.25E-03	6.70E-03
11:51:59	868.2	1006.8	4.60E-04	5.10E-04	3.80E-04	1.32E-03	1.95E-03	3.65E-03	2.98E-03	6.22E-03
11:52:04	888.7	1013.9	5.90E-04	5.40E-04	3.00E-04	1.38E-03	2.07E-03	3.89E-03	3.18E-03	6.63E-03
11:52:09	907.5	1012	3.00E-04	3.20E-04	4.90E-04	1.38E-03	2.16E-03	4.26E-03	3.55E-03	7.18E-03

11:52:14	866.9	1015.6	7.30E-04	4.80E-04	2.80E-04	1.42E-03	2.19E-03	4.21E-03	3.48E-03	6.87E-03
11:52:19	884.3	1029.7	4.80E-04	4.30E-04	2.00E-04	1.46E-03	2.12E-03	4.02E-03	3.45E-03	6.74E-03
11:52:24	886.8	1034.3	6.50E-04	3.80E-04	4.00E-04	1.57E-03	2.27E-03	4.28E-03	3.44E-03	6.51E-03
11:52:29	942.2	1043.1	5.20E-04	6.00E-04	3.60E-04	1.62E-03	2.29E-03	4.40E-03	3.51E-03	6.57E-03
11:52:34	946.2	1038.5	4.20E-04	4.50E-04	8.10E-04	1.70E-03	2.38E-03	4.63E-03	3.72E-03	6.99E-03
11:52:39	940.2	1026.8	2.70E-04	5.20E-04	5.50E-04	1.48E-03	2.21E-03	4.34E-03	3.51E-03	6.63E-03
11:52:44	929.8	1024.2	3.60E-04	5.40E-04	4.60E-04	1.63E-03	2.23E-03	4.38E-03	3.51E-03	6.63E-03
11:52:49	950.6	1045.5	7.00E-04	3.60E-04	3.00E-04	1.46E-03	2.21E-03	4.46E-03	3.54E-03	6.89E-03
11:52:54	982.1	1049.1	4.40E-04	4.80E-04	3.40E-04	1.40E-03	2.28E-03	4.45E-03	3.57E-03	7.02E-03
11:52:59	946.1	1032.2	4.00E-04	3.90E-04	3.50E-04	1.74E-03	2.51E-03	4.88E-03	3.73E-03	7.07E-03
11:53:04	965.1	1026.1	9.60E-04	6.80E-04	5.60E-04	1.83E-03	2.59E-03	4.93E-03	3.81E-03	7.19E-03
11:53:09	998.9	1061	8.50E-04	6.30E-04	5.20E-04	1.64E-03	2.36E-03	4.67E-03	3.74E-03	6.93E-03
11:53:14	986.8	1043.6	2.40E-04	4.10E-04	5.10E-04	1.77E-03	2.48E-03	4.99E-03	3.92E-03	7.26E-03
11:53:19	981.3	1055.9	6.30E-04	5.20E-04	3.60E-04	1.60E-03	2.38E-03	4.56E-03	3.69E-03	7.11E-03
11:53:24	967.6	1050.1	1.25E-03	6.00E-04	6.80E-04	1.74E-03	2.51E-03	4.80E-03	3.89E-03	7.09E-03
11:53:29	960.6	1050.6	5.50E-04	4.10E-04	3.70E-04	1.57E-03	2.45E-03	4.79E-03	4.10E-03	7.42E-03
11:53:34	1012.9	1059.9	1.01E-03	7.30E-04	4.40E-04	1.80E-03	2.50E-03	4.75E-03	3.85E-03	7.15E-03
11:53:39	996.8	1050.6	1.01E-03	6.80E-04	6.20E-04	1.62E-03	2.38E-03	4.65E-03	3.73E-03	7.28E-03
11:53:44	1014.1	1053.3	8.60E-04	7.10E-04	2.90E-04	1.77E-03	2.39E-03	4.65E-03	3.75E-03	7.12E-03
11:53:49	970.7	1064.1	4.20E-04	5.50E-04	6.60E-04	1.80E-03	2.70E-03	5.33E-03	4.34E-03	8.01E-03
11:53:54	636.2	1049.6	7.90E-04	7.30E-04	5.50E-04	1.89E-03	2.61E-03	5.01E-03	4.07E-03	7.57E-03
11:53:59	992.2	1043.5	5.30E-04	6.00E-04	5.00E-04	1.77E-03	2.41E-03	4.85E-03	3.79E-03	7.36E-03

11:54:04	857.5	1064	5.80E-04	6.30E-04	7.20E-04	1.88E-03	2.55E-03	5.06E-03	3.89E-03	7.31E-03
11:54:09	530.9	1064	9.50E-04	9.30E-04	8.80E-04	2.11E-03	2.75E-03	5.28E-03	4.16E-03	7.65E-03
11:54:14	1033.4	1084.7	8.00E-04	7.70E-04	5.20E-04	2.05E-03	2.97E-03	5.69E-03	4.31E-03	8.05E-03
11:54:19	963.7	1066.7	6.80E-04	7.90E-04	7.40E-04	2.12E-03	3.00E-03	5.97E-03	4.50E-03	7.56E-03
11:54:24	525.9	1059.5	3.10E-04	4.30E-04	3.20E-04	1.77E-03	2.59E-03	5.34E-03	4.06E-03	7.49E-03
11:54:29	1020.7	1065.1	2.10E-04	4.50E-04	4.90E-04	1.84E-03	2.59E-03	5.16E-03	4.14E-03	7.49E-03
11:54:34	1016.5	1077.9	1.04E-03	8.50E-04	3.80E-04	2.09E-03	2.86E-03	5.44E-03	4.20E-03	7.41E-03
11:54:39	1030.9	1070.8	9.00E-04	6.60E-04	2.90E-04	2.03E-03	2.89E-03	5.54E-03	4.19E-03	7.64E-03
11:54:44	1034.8	982.2	1.13E-03	6.60E-04	3.40E-04	2.12E-03	2.83E-03	5.55E-03	4.38E-03	7.66E-03
11:54:49	432.6	1052.7	7.10E-04	6.70E-04	9.50E-04	2.32E-03	3.06E-03	5.75E-03	4.59E-03	8.07E-03
11:54:54	481	1084.2	9.10E-04	9.70E-04	4.40E-04	2.08E-03	2.80E-03	5.28E-03	4.13E-03	7.22E-03
11:54:59	404.5	1100.8	1.10E-03	9.00E-04	8.90E-04	2.38E-03	3.28E-03	6.29E-03	4.71E-03	7.86E-03
11:55:04	371.6	1098.2	7.00E-04	6.50E-04	4.00E-04	1.93E-03	2.65E-03	5.20E-03	4.12E-03	7.51E-03
11:55:09	388.6	1123.7	1.12E-03	6.80E-04	3.60E-04	2.32E-03	3.10E-03	5.80E-03	4.55E-03	7.90E-03
11:55:14	381.4	1126.3	7.40E-04	8.40E-04	8.50E-04	2.27E-03	3.08E-03	5.54E-03	4.39E-03	7.89E-03
11:55:19	379.9	1108.1	1.15E-03	7.90E-04	4.30E-04	2.15E-03	2.86E-03	5.45E-03	4.28E-03	7.60E-03
11:55:24	381.9	1113.1	9.60E-04	1.14E-03	6.50E-04	2.31E-03	3.02E-03	5.59E-03	4.25E-03	7.36E-03
11:55:29	389	1098.2	1.19E-03	9.00E-04	5.50E-04	2.26E-03	3.01E-03	5.65E-03	4.57E-03	7.41E-03
11:55:34	389.9	1131.6	1.90E-03	8.80E-04	5.20E-04	2.22E-03	2.88E-03	5.48E-03	4.26E-03	7.52E-03
11:55:39	394.2	1114.8	1.12E-03	1.06E-03	4.80E-04	2.26E-03	2.94E-03	5.55E-03	4.14E-03	6.99E-03
11:55:44	394.5	1078.6	1.27E-03	8.50E-04	7.10E-04	2.18E-03	2.93E-03	5.68E-03	4.62E-03	7.96E-03
11:55:49	398.9	1090.8	1.12E-03	7.30E-04	4.90E-04	2.10E-03	2.63E-03	5.04E-03	3.91E-03	7.62E-03

11:55:54	404.7	1119.6	1.05E-03	8.60E-04	1.01E-03	2.58E-03	3.28E-03	5.89E-03	4.46E-03	7.91E-03
11:55:59	406.9	1135.3	7.50E-04	1.12E-03	7.10E-04	2.51E-03	3.34E-03	6.31E-03	4.63E-03	7.60E-03
11:56:04	409.8	1135.8	1.16E-03	1.31E-03	7.10E-04	2.48E-03	3.20E-03	5.89E-03	4.34E-03	7.37E-03
11:56:09	411.2	1125.8	6.50E-04	1.04E-03	7.60E-04	2.21E-03	2.91E-03	5.57E-03	4.17E-03	7.66E-03
11:56:14	415.1	1124.1	6.00E-04	9.60E-04	7.70E-04	2.28E-03	2.97E-03	5.58E-03	4.14E-03	7.26E-03
11:56:19	415.8	1073.3	8.50E-04	1.12E-03	9.30E-04	2.04E-03	2.62E-03	5.12E-03	3.96E-03	6.92E-03
11:56:24	418.2	1091.4	9.10E-04	9.80E-04	1.04E-03	2.18E-03	2.81E-03	5.31E-03	4.23E-03	7.34E-03
11:56:29	413.6	1120.1	1.21E-03	1.20E-03	6.90E-04	2.35E-03	2.86E-03	5.26E-03	4.29E-03	7.61E-03
11:56:34	426.1	1123.2	6.40E-04	1.03E-03	1.05E-03	2.60E-03	3.23E-03	6.09E-03	4.69E-03	7.99E-03
11:56:39	428.9	966.2	1.52E-03	1.63E-03	1.39E-03	3.02E-03	3.52E-03	6.58E-03	4.83E-03	7.73E-03
11:56:44	417.4	533.9	6.50E-04	9.10E-04	7.80E-04	2.24E-03	2.75E-03	5.54E-03	4.01E-03	7.26E-03
11:56:49	420.2	564.2	1.07E-03	8.50E-04	4.20E-04	2.15E-03	2.83E-03	5.50E-03	4.29E-03	7.83E-03
11:56:54	434.2	563.8	6.90E-04	1.09E-03	8.20E-04	2.29E-03	2.90E-03	5.62E-03	4.28E-03	7.69E-03
11:56:59	436.9	564.2	7.50E-04	8.70E-04	4.70E-04	2.15E-03	2.82E-03	5.65E-03	4.39E-03	7.71E-03
11:57:04	434.1	579.5	1.19E-03	9.90E-04	7.60E-04	2.42E-03	2.96E-03	5.85E-03	4.43E-03	7.68E-03
11:57:09	472.7	575.8	1.00E-03	1.29E-03	7.10E-04	2.49E-03	3.01E-03	5.83E-03	4.50E-03	8.22E-03
11:57:14	443.9	584.5	7.20E-04	1.06E-03	8.30E-04	2.31E-03	3.04E-03	6.00E-03	4.77E-03	8.00E-03
11:57:19	431.9	648	8.70E-04	9.90E-04	1.00E-03	2.31E-03	3.12E-03	5.92E-03	4.76E-03	7.88E-03
11:57:24	430.8	620.2	5.10E-04	1.00E-03	8.30E-04	2.34E-03	3.02E-03	5.85E-03	4.45E-03	7.85E-03
11:57:29	431.2	594.3	9.10E-04	9.00E-04	7.00E-04	2.64E-03	3.34E-03	6.07E-03	4.60E-03	7.65E-03
11:57:34	439.5	614.6	8.80E-04	1.47E-03	8.10E-04	2.40E-03	3.09E-03	6.01E-03	4.66E-03	7.67E-03
11:57:39	452.2	615.2	9.30E-04	7.10E-04	6.00E-04	2.15E-03	2.85E-03	5.17E-03	4.38E-03	7.52E-03

11:57:44	420.7	621.5	8.40E-04	9.00E-04	8.00E-04	2.34E-03	2.98E-03	5.57E-03	4.25E-03	7.45E-03
11:57:49	495.5	621.7	8.00E-04	1.13E-03	6.40E-04	2.50E-03	3.10E-03	5.82E-03	4.63E-03	8.10E-03
11:57:54	499.2	620.6	7.00E-04	1.15E-03	6.50E-04	2.57E-03	3.22E-03	6.05E-03	4.59E-03	7.84E-03
11:57:59	483.6	601.8	3.90E-04	7.50E-04	1.01E-03	2.47E-03	3.13E-03	6.06E-03	4.53E-03	7.93E-03
11:58:04	514.6	433	1.01E-03	1.23E-03	9.50E-04	2.54E-03	3.26E-03	6.13E-03	4.83E-03	7.93E-03
11:58:09	473.9	398.7	7.30E-04	7.30E-04	7.50E-04	2.23E-03	2.89E-03	5.57E-03	4.35E-03	7.56E-03
11:58:14	515.7	404.3	5.10E-04	7.30E-04	5.30E-04	2.36E-03	3.15E-03	5.80E-03	4.44E-03	8.00E-03
11:58:19	515.7	400.5	6.00E-04	7.50E-04	5.80E-04	2.18E-03	2.94E-03	5.70E-03	4.24E-03	7.84E-03
11:58:24	528.2	387.2	4.70E-04	8.80E-04	7.00E-04	2.34E-03	2.93E-03	5.72E-03	4.29E-03	7.91E-03
11:58:29	490.6	393.1	7.60E-04	1.02E-03	6.60E-04	2.26E-03	2.91E-03	5.76E-03	4.57E-03	7.75E-03
11:58:34	492.3	382.9	3.30E-04	8.10E-04	7.50E-04	2.34E-03	2.92E-03	6.01E-03	4.34E-03	8.14E-03
11:58:39	528	384.7	1.10E-03	1.33E-03	9.70E-04	2.61E-03	2.95E-03	5.76E-03	4.25E-03	7.96E-03
11:58:44	548.1	387.5	1.07E-03	8.80E-04	4.70E-04	2.50E-03	2.93E-03	5.83E-03	4.74E-03	7.93E-03
11:58:49	544.1	390.2	8.80E-04	7.50E-04	1.23E-03	2.53E-03	3.24E-03	5.95E-03	4.44E-03	7.51E-03
11:58:54	544.6	390.8	1.10E-03	1.29E-03	1.40E-03	2.86E-03	3.35E-03	6.07E-03	4.77E-03	8.02E-03
11:58:59	528.4	392.6	8.40E-04	1.09E-03	8.50E-04	2.47E-03	2.94E-03	5.60E-03	4.36E-03	7.59E-03
11:59:04	555.1	394.8	5.80E-04	6.10E-04	6.30E-04	2.28E-03	2.90E-03	5.40E-03	4.38E-03	7.72E-03
11:59:09	545.5	400.2	3.50E-04	6.90E-04	4.50E-04	2.10E-03	2.74E-03	5.30E-03	4.19E-03	7.56E-03
11:59:14	558.9	400.3	8.40E-04	8.60E-04	4.90E-04	2.31E-03	2.78E-03	5.84E-03	4.21E-03	7.47E-03
11:59:19	566.3	420.2	5.40E-04	7.60E-04	8.90E-04	2.49E-03	3.02E-03	6.01E-03	4.92E-03	7.72E-03
11:59:24	570.3	602.7	6.10E-04	1.14E-03	9.00E-04	2.26E-03	3.03E-03	5.97E-03	4.55E-03	7.49E-03
11:59:29	572.2	617.5	8.00E-04	9.20E-04	5.60E-04	2.29E-03	2.88E-03	5.92E-03	4.53E-03	7.75E-03

11:59:34	571.8	652.9	7.30E-04	1.12E-03	5.90E-04	2.48E-03	2.90E-03	5.67E-03	4.21E-03	8.04E-03
11:59:39	573.7	427.8	5.70E-04	9.40E-04	8.40E-04	2.34E-03	2.78E-03	5.77E-03	4.50E-03	7.79E-03
11:59:44	573.6	434.7	4.90E-04	7.70E-04	5.00E-04	2.21E-03	2.77E-03	5.71E-03	4.44E-03	7.74E-03
11:59:49	579.3	433.2	1.27E-03	1.24E-03	9.20E-04	2.41E-03	2.96E-03	5.82E-03	4.28E-03	7.38E-03
11:59:54	585.3	421.2	5.00E-04	8.30E-04	8.20E-04	2.04E-03	2.73E-03	5.60E-03	4.31E-03	7.81E-03
11:59:59	590.8	482.4	1.10E-03	1.03E-03	7.20E-04	2.32E-03	2.69E-03	5.36E-03	4.29E-03	7.39E-03
12:00:04	578.4	535.9	1.24E-03	1.02E-03	4.80E-04	2.25E-03	2.94E-03	5.75E-03	4.45E-03	7.51E-03
12:00:09	553	496.8	6.90E-04	1.11E-03	7.00E-04	2.44E-03	3.04E-03	5.89E-03	4.64E-03	8.18E-03
12:00:14	535.9	597.8	9.20E-04	1.28E-03	6.80E-04	2.53E-03	3.18E-03	5.90E-03	4.60E-03	7.86E-03
12:00:19	539.6	528.1	9.60E-04	1.18E-03	8.10E-04	2.28E-03	3.00E-03	5.72E-03	4.38E-03	7.89E-03
12:00:24	546.1	604.7	8.20E-04	1.01E-03	6.40E-04	2.43E-03	2.98E-03	5.75E-03	4.35E-03	7.27E-03
12:00:29	562.7	609.8	5.30E-04	1.40E-03	9.00E-04	2.52E-03	3.10E-03	6.08E-03	4.51E-03	7.57E-03
12:00:34	571	557.2	9.80E-04	1.18E-03	8.50E-04	2.43E-03	2.97E-03	5.83E-03	4.24E-03	7.13E-03
12:00:39	576	619	8.50E-04	1.17E-03	9.90E-04	2.39E-03	3.06E-03	6.11E-03	4.49E-03	7.33E-03
12:00:44	579.7	608.8	7.90E-04	1.30E-03	8.00E-04	2.45E-03	2.78E-03	5.53E-03	4.08E-03	7.27E-03
12:00:49	588.1	621.9	8.00E-04	1.15E-03	7.40E-04	2.30E-03	2.94E-03	5.62E-03	4.12E-03	6.77E-03
12:00:54	591.4	621.4	8.90E-04	1.10E-03	6.60E-04	2.49E-03	3.17E-03	5.71E-03	4.49E-03	7.85E-03
12:00:59	592.3	623.3	1.71E-03	1.44E-03	1.11E-03	2.76E-03	3.27E-03	6.68E-03	4.56E-03	7.95E-03
12:01:04	593.1	626	1.16E-03	2.04E-03	1.21E-03	2.67E-03	2.91E-03	6.10E-03	4.29E-03	7.37E-03
12:01:09	596.5	648.4	1.46E-03	1.79E-03	7.50E-04	2.46E-03	2.76E-03	5.85E-03	3.97E-03	7.35E-03
12:01:14	598.8	649.8	8.50E-04	1.43E-03	1.16E-03	2.47E-03	2.86E-03	5.59E-03	4.03E-03	6.93E-03
12:01:19	601.6	651.2	1.74E-03	1.21E-03	7.40E-04	2.43E-03	2.71E-03	5.68E-03	3.95E-03	6.90E-03

12:01:24	603.9	637.3	1.21E-03	1.75E-03	8.30E-04	2.50E-03	2.90E-03	5.79E-03	3.96E-03	6.81E-03
12:01:29	607.1	654	8.10E-04	1.50E-03	9.00E-04	2.23E-03	2.51E-03	5.51E-03	3.78E-03	7.29E-03
12:01:34	611.7	697.3	1.43E-03	1.90E-03	1.17E-03	2.30E-03	2.82E-03	5.77E-03	4.02E-03	7.08E-03
12:01:39	618.3	570.2	1.15E-03	1.69E-03	1.07E-03	2.63E-03	3.20E-03	5.88E-03	4.22E-03	7.36E-03
12:01:44	598.7	432.2	1.08E-03	1.74E-03	1.32E-03	2.93E-03	3.56E-03	6.46E-03	4.55E-03	7.08E-03
12:01:49	605.3	417.4	1.18E-03	1.86E-03	1.35E-03	3.12E-03	3.40E-03	6.32E-03	4.31E-03	6.80E-03
12:01:54	609.5	427.7	1.23E-03	1.64E-03	1.45E-03	2.67E-03	3.14E-03	6.18E-03	4.50E-03	7.54E-03
12:01:59	616.3	604.3	5.00E-04	1.57E-03	1.55E-03	2.68E-03	3.12E-03	5.95E-03	4.19E-03	6.89E-03
12:02:04	622.5	502	1.95E-03	2.45E-03	1.42E-03	2.98E-03	3.27E-03	6.17E-03	4.41E-03	7.00E-03
12:02:09	630.7	653.5	1.33E-03	2.03E-03	9.50E-04	2.74E-03	3.22E-03	6.23E-03	4.36E-03	7.01E-03
12:02:14	640.1	487.1	1.44E-03	2.20E-03	1.88E-03	2.79E-03	3.09E-03	6.08E-03	4.19E-03	7.00E-03
12:02:19	641.4	521.5	1.00E-03	2.39E-03	1.11E-03	3.02E-03	3.39E-03	6.67E-03	4.77E-03	6.65E-03
12:02:24	643.8	471.8	9.30E-04	2.54E-03	1.18E-03	2.59E-03	3.00E-03	6.05E-03	4.12E-03	6.19E-03
12:02:29	634.1	559.7	1.24E-03	2.40E-03	1.09E-03	2.65E-03	2.73E-03	5.40E-03	3.60E-03	5.76E-03
12:02:34	651.8	607.3	1.88E-03	2.40E-03	1.24E-03	2.74E-03	2.95E-03	5.93E-03	3.84E-03	6.42E-03
12:02:39	651.4	517.8	1.14E-03	2.34E-03	1.20E-03	2.39E-03	2.68E-03	5.89E-03	3.84E-03	6.60E-03
12:02:44	652.3	505.8	1.85E-03	2.14E-03	8.40E-04	2.83E-03	3.22E-03	6.07E-03	4.18E-03	6.91E-03
12:02:49	655	508	1.75E-03	2.12E-03	8.90E-04	2.85E-03	2.98E-03	5.99E-03	4.08E-03	6.66E-03
12:02:54	655.9	519.5	1.96E-03	2.20E-03	1.41E-03	2.64E-03	2.73E-03	5.73E-03	3.87E-03	6.46E-03
12:02:59	656.9	519.5	2.30E-03	2.33E-03	1.38E-03	3.04E-03	3.37E-03	6.85E-03	4.63E-03	7.82E-03
12:03:04	658.8	677	1.28E-03	2.18E-03	1.24E-03	2.99E-03	3.48E-03	6.56E-03	4.50E-03	7.24E-03
12:03:09	660.7	722.5	8.30E-04	1.98E-03	9.30E-04	2.53E-03	3.01E-03	5.75E-03	3.89E-03	6.74E-03

12:03:14	661.7	693.4	1.29E-03	2.01E-03	1.32E-03	2.96E-03	3.37E-03	6.19E-03	4.24E-03	7.11E-03
12:03:19	662	678.4	1.44E-03	2.42E-03	1.09E-03	2.66E-03	2.68E-03	5.63E-03	3.81E-03	6.38E-03
12:03:24	662.5	694.7	1.73E-03	2.43E-03	1.93E-03	2.74E-03	3.04E-03	5.98E-03	3.94E-03	6.49E-03
12:03:29	663.1	694.4	9.10E-04	1.86E-03	1.47E-03	2.68E-03	2.86E-03	5.55E-03	3.60E-03	6.33E-03
12:03:34	664.5	691.6	1.30E-03	1.97E-03	9.10E-04	2.68E-03	3.10E-03	5.72E-03	3.95E-03	6.60E-03
12:03:39	664.5	695.8	2.46E-03	1.97E-03	1.07E-03	3.12E-03	3.34E-03	6.40E-03	4.31E-03	6.89E-03
12:03:44	664.9	695.2	1.70E-03	1.98E-03	1.03E-03	2.73E-03	2.82E-03	5.92E-03	3.79E-03	6.63E-03
12:03:49	664.4	693.9	1.58E-03	2.15E-03	1.20E-03	2.63E-03	2.87E-03	5.88E-03	4.16E-03	6.91E-03
12:03:54	664	695.7	1.75E-03	2.32E-03	1.52E-03	2.67E-03	3.10E-03	5.80E-03	3.74E-03	6.39E-03
12:03:59	664.4	695.8	8.20E-04	1.46E-03	1.20E-03	2.28E-03	2.60E-03	5.09E-03	3.22E-03	4.96E-03
12:04:04	664.6	703.8	1.61E-03	2.09E-03	2.07E-03	2.58E-03	2.85E-03	5.36E-03	3.62E-03	6.01E-03
12:04:09	665	704.3	1.26E-03	1.74E-03	1.78E-03	2.67E-03	2.83E-03	5.40E-03	3.72E-03	6.31E-03
12:04:14	664.1	706.2	1.34E-03	1.49E-03	1.83E-03	2.33E-03	2.51E-03	5.09E-03	3.61E-03	6.36E-03
12:04:19	665.1	711.9	1.52E-03	1.96E-03	1.75E-03	2.76E-03	2.82E-03	5.35E-03	3.87E-03	6.54E-03
12:04:24	664.6	716.1	1.60E-03	1.75E-03	1.52E-03	2.66E-03	2.99E-03	6.01E-03	4.44E-03	7.12E-03
12:04:29	664.6	713.3	1.85E-03	2.16E-03	1.48E-03	2.54E-03	2.49E-03	5.02E-03	3.77E-03	6.16E-03
12:04:34	665.1	712.8	1.35E-03	1.76E-03	1.54E-03	2.46E-03	2.60E-03	5.01E-03	3.49E-03	6.10E-03
12:04:39	664.6	719.4	2.44E-03	2.33E-03	2.15E-03	2.81E-03	3.20E-03	5.72E-03	3.76E-03	6.53E-03
12:04:44	664.2	726	1.44E-03	1.62E-03	1.51E-03	2.81E-03	3.06E-03	5.49E-03	3.55E-03	6.23E-03
12:04:49	664.1	731.6	1.23E-03	1.47E-03	1.47E-03	2.48E-03	2.74E-03	5.32E-03	3.56E-03	6.52E-03
12:04:54	664.6	734.9	1.22E-03	1.79E-03	1.61E-03	2.50E-03	2.84E-03	5.45E-03	3.97E-03	6.22E-03
12:04:59	665.2	738.3	1.37E-03	2.01E-03	1.23E-03	2.89E-03	2.86E-03	5.63E-03	4.13E-03	7.10E-03

12:05:04	655.4	742.6	1.81E-03	1.94E-03	1.43E-03	2.94E-03	3.05E-03	5.93E-03	3.98E-03	6.67E-03
12:05:09	647	741.7	1.09E-03	1.68E-03	1.67E-03	2.73E-03	2.92E-03	5.57E-03	3.64E-03	5.88E-03
12:05:14	650.8	735.1	1.41E-03	1.79E-03	1.67E-03	2.87E-03	3.11E-03	5.51E-03	4.09E-03	6.72E-03
12:05:19	651.2	734.1	1.85E-03	1.93E-03	1.74E-03	2.79E-03	3.45E-03	5.70E-03	4.09E-03	6.46E-03
12:05:24	639.6	737.5	2.00E-03	2.15E-03	1.74E-03	2.98E-03	3.14E-03	5.94E-03	3.90E-03	6.39E-03
12:05:29	630.4	739.8	1.58E-03	1.64E-03	1.38E-03	2.96E-03	3.31E-03	5.76E-03	3.85E-03	5.57E-03
12:05:34	624.3	742.2	1.40E-03	1.78E-03	1.47E-03	2.74E-03	2.64E-03	5.08E-03	3.55E-03	6.29E-03
12:05:39	637.8	740.8	1.23E-03	1.81E-03	1.53E-03	2.61E-03	2.57E-03	5.13E-03	3.72E-03	6.83E-03
12:05:44	609.5	741.8	1.63E-03	1.62E-03	1.53E-03	2.68E-03	2.65E-03	4.82E-03	3.80E-03	6.30E-03
12:05:49	592.4	756	2.29E-03	1.53E-03	1.48E-03	2.56E-03	2.83E-03	5.13E-03	3.88E-03	6.02E-03
12:05:54	590	752.6	2.00E-03	1.66E-03	1.51E-03	2.90E-03	2.85E-03	5.28E-03	4.00E-03	6.40E-03
12:05:59	579.9	751.1	1.13E-03	1.45E-03	1.56E-03	2.95E-03	3.12E-03	5.76E-03	4.26E-03	6.91E-03
12:06:04	568	749.4	1.75E-03	1.37E-03	1.30E-03	3.20E-03	3.22E-03	6.14E-03	4.25E-03	6.59E-03
12:06:09	565.7	749.9	1.50E-03	1.81E-03	1.55E-03	2.64E-03	2.74E-03	5.69E-03	4.00E-03	6.46E-03
12:06:14	556	751.8	1.39E-03	2.07E-03	1.98E-03	2.75E-03	2.92E-03	5.84E-03	3.91E-03	6.24E-03
12:06:19	550.1	752.7	9.80E-04	1.23E-03	1.24E-03	2.64E-03	2.97E-03	5.64E-03	4.13E-03	7.06E-03
12:06:24	547.7	752.6	9.20E-04	1.31E-03	1.39E-03	2.54E-03	2.79E-03	5.46E-03	3.89E-03	6.93E-03
12:06:29	548.2	751.3	8.20E-04	1.34E-03	1.59E-03	2.58E-03	2.89E-03	5.24E-03	4.10E-03	7.01E-03
12:06:34	545.5	750.9	1.15E-03	1.54E-03	1.37E-03	2.80E-03	3.03E-03	5.33E-03	4.26E-03	7.26E-03
12:06:39	543.7	750.4	1.25E-03	1.82E-03	1.75E-03	2.73E-03	2.99E-03	5.30E-03	4.21E-03	6.97E-03
12:06:44	542.7	751.8	1.46E-03	1.78E-03	2.14E-03	3.05E-03	3.33E-03	6.02E-03	4.62E-03	7.59E-03
12:06:49	540.8	753.6	1.28E-03	1.81E-03	2.77E-03	2.93E-03	3.01E-03	6.02E-03	4.36E-03	7.77E-03

12:06:54	521.1	757.1	1.68E-03	1.62E-03	1.47E-03	2.82E-03	2.94E-03	5.65E-03	4.22E-03	7.00E-03
12:06:59	537.3	760.9	1.55E-03	1.86E-03	2.10E-03	2.57E-03	2.78E-03	5.33E-03	3.96E-03	6.63E-03
12:07:04	518.4	764.2	1.26E-03	1.62E-03	1.25E-03	2.86E-03	3.02E-03	5.87E-03	4.44E-03	7.02E-03
12:07:09	523	768.5	1.21E-03	1.90E-03	2.24E-03	2.67E-03	2.90E-03	5.62E-03	3.91E-03	6.25E-03
12:07:14	534.5	770.4	1.26E-03	1.53E-03	1.88E-03	2.76E-03	3.03E-03	5.44E-03	4.06E-03	6.53E-03
12:07:19	521.2	766.6	1.11E-03	1.66E-03	1.78E-03	2.62E-03	2.55E-03	5.31E-03	3.68E-03	6.58E-03
12:07:24	532.2	761	1.42E-03	1.54E-03	1.80E-03	2.47E-03	2.30E-03	5.29E-03	3.83E-03	6.46E-03
12:07:29	524	755.8	1.05E-03	1.51E-03	1.80E-03	2.12E-03	2.44E-03	4.90E-03	3.65E-03	6.38E-03
12:07:34	526.7	766.7	1.25E-03	1.23E-03	1.23E-03	2.64E-03	2.91E-03	5.14E-03	4.11E-03	6.83E-03
12:07:39	515.2	750.6	1.28E-03	1.52E-03	1.56E-03	2.37E-03	2.46E-03	4.57E-03	3.40E-03	6.79E-03
12:07:44	510.3	739.8	1.17E-03	1.45E-03	1.13E-03	2.44E-03	2.63E-03	5.34E-03	4.18E-03	7.74E-03
12:07:49	490.5	729.8	9.10E-04	1.16E-03	1.14E-03	2.23E-03	2.51E-03	5.16E-03	3.55E-03	6.47E-03
12:07:54	483.5	726.5	9.80E-04	1.28E-03	1.48E-03	2.55E-03	2.87E-03	5.40E-03	4.11E-03	7.40E-03
12:07:59	468.6	722.8	8.40E-04	1.06E-03	1.19E-03	2.31E-03	2.66E-03	4.77E-03	3.76E-03	7.05E-03
12:08:04	480.6	719	9.80E-04	1.09E-03	1.30E-03	2.55E-03	2.72E-03	5.20E-03	3.65E-03	6.41E-03
12:08:09	474	716.2	7.90E-04	1.12E-03	1.15E-03	2.31E-03	2.36E-03	4.53E-03	3.30E-03	5.98E-03
12:08:14	488.3	712.9	9.80E-04	1.07E-03	1.33E-03	2.56E-03	2.67E-03	4.28E-03	3.50E-03	6.49E-03
12:08:19	497.3	689	9.50E-04	1.02E-03	1.55E-03	2.06E-03	2.09E-03	3.95E-03	3.30E-03	6.25E-03
12:08:24	467.8	616.8	6.20E-04	1.00E-03	1.28E-03	2.14E-03	2.08E-03	4.03E-03	3.03E-03	6.17E-03
12:08:29	467.8	510.8	7.00E-04	1.00E-03	8.30E-04	1.99E-03	2.04E-03	3.81E-03	3.36E-03	6.18E-03
12:08:34	461.8	508.9	8.10E-04	8.10E-04	7.30E-04	1.82E-03	1.95E-03	4.02E-03	3.21E-03	6.44E-03
12:08:39	456.1	525.5	7.20E-04	8.90E-04	7.90E-04	1.93E-03	2.11E-03	3.90E-03	2.96E-03	5.90E-03

12:08:44	462.4	683	6.90E-04	8.00E-04	1.08E-03	1.92E-03	1.90E-03	3.78E-03	2.89E-03	6.08E-03
12:08:49	457.4	679.3	6.00E-04	8.90E-04	9.40E-04	2.04E-03	2.14E-03	3.62E-03	3.30E-03	5.93E-03
12:08:54	475.3	657.4	5.80E-04	8.30E-04	8.30E-04	1.59E-03	1.78E-03	3.64E-03	3.06E-03	6.05E-03
12:08:59	476.4	667.6	4.50E-04	7.60E-04	1.02E-03	1.58E-03	1.49E-03	3.60E-03	3.05E-03	5.90E-03
12:09:04	457.7	664.8	4.60E-04	7.40E-04	1.13E-03	1.63E-03	1.64E-03	3.81E-03	3.03E-03	5.79E-03
12:09:09	472.6	663.5	4.60E-04	6.90E-04	9.60E-04	1.63E-03	1.86E-03	3.53E-03	3.22E-03	6.62E-03
12:09:14	443.1	660.7	4.90E-04	7.00E-04	1.14E-03	1.66E-03	1.70E-03	3.59E-03	3.03E-03	6.10E-03
12:09:19	452.2	658.4	6.50E-04	7.10E-04	7.40E-04	1.65E-03	1.88E-03	3.55E-03	3.16E-03	6.07E-03
12:09:24	441.1	656.1	6.50E-04	7.20E-04	9.20E-04	1.62E-03	1.91E-03	3.66E-03	3.42E-03	6.27E-03
12:09:29	429.7	656.1	6.20E-04	7.50E-04	7.90E-04	1.52E-03	1.77E-03	3.57E-03	3.05E-03	5.52E-03
12:09:34	428.9	656.1	6.30E-04	7.60E-04	1.24E-03	1.69E-03	1.59E-03	2.99E-03	2.55E-03	4.84E-03
12:09:39	431.8	655.2	9.20E-04	7.70E-04	1.02E-03	1.58E-03	1.60E-03	3.10E-03	2.60E-03	4.75E-03
12:09:44	437.1	653.3	6.90E-04	8.10E-04	1.17E-03	1.23E-03	1.34E-03	2.96E-03	2.55E-03	5.23E-03
12:09:49	444.9	649.6	8.20E-04	7.30E-04	8.50E-04	1.28E-03	1.48E-03	2.87E-03	2.38E-03	5.00E-03
12:09:54	429.4	543.2	7.20E-04	6.70E-04	8.00E-04	1.37E-03	1.37E-03	2.84E-03	2.63E-03	5.10E-03
12:09:59	420.4	484.6	7.70E-04	6.70E-04	9.90E-04	1.42E-03	1.46E-03	2.88E-03	2.19E-03	4.56E-03
12:10:04	415	473	7.50E-04	6.00E-04	6.00E-04	1.23E-03	1.09E-03	2.57E-03	2.09E-03	4.32E-03
12:10:09	419.2	479.5	5.80E-04	6.10E-04	7.90E-04	1.19E-03	1.48E-03	2.91E-03	2.70E-03	4.48E-03
12:10:14	406.1	476.2	7.60E-04	7.00E-04	8.00E-04	1.23E-03	1.26E-03	2.96E-03	2.42E-03	4.55E-03
12:10:19	456.6	470.2	8.10E-04	7.20E-04	7.10E-04	1.39E-03	1.38E-03	2.93E-03	2.27E-03	3.87E-03
12:10:24	523.5	454.8	6.80E-04	6.30E-04	5.50E-04	1.09E-03	1.06E-03	2.32E-03	1.73E-03	3.97E-03
12:10:29	391.6	521.3	7.60E-04	7.40E-04	8.40E-04	1.15E-03	7.70E-04	2.29E-03	1.77E-03	3.93E-03

12:10:34	393.8	519.4	7.80E-04	6.70E-04	9.00E-04	9.60E-04	8.50E-04	2.11E-03	2.05E-03	4.24E-03
12:10:39	423	568.7	6.30E-04	5.40E-04	7.50E-04	9.80E-04	1.01E-03	2.09E-03	1.92E-03	4.16E-03
12:10:44	426.8	551.7	6.70E-04	5.90E-04	7.40E-04	1.13E-03	1.23E-03	2.30E-03	1.94E-03	4.27E-03
12:10:49	413.7	459.7	6.80E-04	6.40E-04	8.40E-04	1.11E-03	1.06E-03	2.19E-03	2.00E-03	3.95E-03
12:10:54	408.1	435	7.10E-04	6.40E-04	6.80E-04	1.08E-03	1.15E-03	1.93E-03	1.81E-03	4.03E-03
12:10:59	424.3	421.9	6.80E-04	6.30E-04	9.30E-04	1.13E-03	1.04E-03	1.64E-03	1.56E-03	3.43E-03
12:11:04	413	414.4	7.70E-04	5.60E-04	7.60E-04	1.06E-03	1.08E-03	1.80E-03	1.71E-03	3.29E-03
12:11:09	380.8	409.5	8.00E-04	5.70E-04	6.80E-04	1.04E-03	1.04E-03	1.77E-03	1.59E-03	3.24E-03
12:11:14	375.7	407.4	6.30E-04	6.40E-04	5.40E-04	1.00E-03	7.90E-04	1.57E-03	1.07E-03	2.83E-03
12:11:19	359.9	410	8.00E-04	6.00E-04	6.40E-04	9.80E-04	8.00E-04	1.29E-03	1.10E-03	2.21E-03
12:11:24	405.8	408.4	6.20E-04	4.70E-04	6.30E-04	8.80E-04	6.90E-04	1.24E-03	1.08E-03	2.34E-03
12:11:29	454	404.9	6.80E-04	5.00E-04	6.60E-04	8.00E-04	6.50E-04	1.24E-03	1.09E-03	2.00E-03
12:11:34	448.3	406.4	6.90E-04	5.50E-04	6.70E-04	8.60E-04	5.50E-04	1.25E-03	1.04E-03	2.03E-03
12:11:39	437.2	411.1	6.50E-04	5.30E-04	5.40E-04	7.80E-04	4.80E-04	1.13E-03	8.60E-04	2.15E-03
12:11:44	398.5	409.7	7.30E-04	5.40E-04	7.10E-04	7.30E-04	6.00E-04	1.07E-03	8.50E-04	2.02E-03
12:11:49	415.7	416.7	6.60E-04	5.30E-04	6.60E-04	6.20E-04	4.50E-04	1.09E-03	9.80E-04	1.81E-03
12:11:54	392.2	422.8	4.20E-04	4.70E-04	5.00E-04	7.50E-04	5.10E-04	1.19E-03	7.40E-04	1.65E-03
12:11:59	379.3	423.8	3.60E-04	4.90E-04	5.80E-04	5.80E-04	4.80E-04	1.11E-03	5.70E-04	1.40E-03
12:12:04	417.5	420.3	2.60E-04	4.80E-04	3.50E-04	5.10E-04	4.10E-04	8.40E-04	5.60E-04	1.53E-03
12:12:09	406.5	422.8	4.50E-04	3.80E-04	4.00E-04	3.70E-04	3.60E-04	7.60E-04	4.10E-04	8.90E-04
12:12:14	397.7	421.5	4.70E-04	4.20E-04	5.50E-04	5.90E-04	3.30E-04	6.60E-04	3.20E-04	6.80E-04
12:12:19	365.4	416.8	3.80E-04	4.40E-04	5.00E-04	4.30E-04	2.20E-04	6.50E-04	2.60E-04	5.70E-04

12:12:24	386.3	415.6	3.50E-04	4.40E-04	4.70E-04	3.60E-04	2.00E-04	5.30E-04	2.10E-04	4.00E-04
12:12:29	381.4	422.1	2.20E-04	3.80E-04	5.60E-04	4.80E-04	7.00E-05	5.30E-04	1.90E-04	1.90E-04
12:12:34	368.8	416.4	3.50E-04	4.00E-04	3.80E-04	3.90E-04	5.00E-05	2.60E-04	2.00E-05	2.00E-05
12:12:39	368.1	412.7	2.60E-04	3.80E-04	4.50E-04	4.30E-04	-1.00E-05	9.00E-05	2.00E-04	1.00E-04
12:12:44	348.8	405.2	3.00E-04	3.70E-04	5.60E-04	4.00E-04	-7.00E-05	-2.00E-05	8.00E-05	-9.00E-05
12:12:49	351	409.3	2.50E-04	4.30E-04	3.70E-04	3.50E-04	-5.00E-05	-1.10E-04	1.10E-04	2.40E-04
12:12:54	341.5	402.3	3.30E-04	3.90E-04	3.90E-04	3.40E-04	-7.00E-05	0	1.00E-04	-1.90E-04
12:12:59	332.6	402.3	3.10E-04	4.00E-04	4.90E-04	3.00E-04	3.00E-05	1.80E-04	-9.00E-05	-1.90E-04
12:13:04	338.4	406.8	2.60E-04	3.60E-04	3.70E-04	1.60E-04	1.00E-05	1.50E-04	-1.80E-04	-2.10E-04
12:13:09	323.5	412.7	1.90E-04	3.20E-04	4.60E-04	2.60E-04	-1.20E-04	3.00E-05	-9.00E-05	2.00E-05
12:13:14	317	413.2	2.70E-04	3.10E-04	3.10E-04	2.20E-04	-9.00E-05	-3.00E-05	-8.00E-05	-2.00E-05
12:13:19	325.8	410.5	1.80E-04	3.10E-04	3.90E-04	1.80E-04	-5.00E-05	-4.00E-05	-1.00E-04	-2.10E-04
12:13:24	323.7	417.1	1.90E-04	2.90E-04	4.00E-04	2.50E-04	0	-1.00E-05	-4.00E-05	-2.00E-04
12:13:29	312.9	413.5	1.90E-04	2.70E-04	4.70E-04	2.90E-04	1.00E-05	3.00E-05	-6.00E-05	-1.00E-05
12:13:34	320	409.3	1.70E-04	3.40E-04	3.40E-04	1.70E-04	-8.00E-05	9.00E-05	-1.00E-04	-1.00E-05
12:13:39	306	404.5	1.60E-04	2.90E-04	3.20E-04	1.70E-04	-2.00E-	6.00E-05	0	-4.00E-

							05			05
12:13:44	304.5	399.2	2.30E-04	2.90E-04	2.10E-04	2.00E-04	-2.00E-05	6.00E-05	-1.50E-04	-1.30E-04
12:13:49	299.8	395	2.70E-04	2.60E-04	1.90E-04	2.10E-04	-1.10E-04	-1.00E-04	-7.00E-05	-2.90E-04
12:13:54	306	390.9	1.30E-04	2.80E-04	2.80E-04	2.10E-04	-8.00E-05	-4.00E-05	-1.30E-04	-2.20E-04
12:13:59	300.5	383.2	1.50E-04	2.60E-04	4.40E-04	1.50E-04	-5.00E-05	-8.00E-05	-1.10E-04	-2.50E-04
12:14:04	292.4	394.5	1.30E-04	2.70E-04	3.40E-04	1.50E-04	-9.00E-05	-1.10E-04	-1.70E-04	-2.60E-04
12:14:09	286.7	393.7	1.20E-04	2.50E-04	2.90E-04	1.80E-04	-4.00E-05	6.00E-05	-9.00E-05	-3.80E-04
12:14:14	287.9	390.3	1.20E-04	2.70E-04	3.90E-04	1.90E-04	-7.00E-05	3.00E-05	-9.00E-05	-2.60E-04
12:14:19	286	386.6	1.40E-04	2.60E-04	3.30E-04	2.00E-04	-6.00E-05	-9.00E-05	-1.30E-04	-3.10E-04
12:14:24	288.4	380.8	1.30E-04	2.50E-04	3.20E-04	1.80E-04	-1.10E-04	-3.00E-05	-6.00E-05	-1.90E-04
12:14:29	280.9	371.9	1.20E-04	2.60E-04	5.00E-04	1.20E-04	-7.00E-05	-9.00E-05	-1.10E-04	-1.20E-04
12:14:34	273.5	364.9	1.30E-04	2.30E-04	3.70E-04	1.60E-04	-1.10E-04	-1.00E-05	-5.00E-05	-2.90E-04
12:14:39	272.7	353.9	1.10E-04	2.40E-04	3.50E-04	1.90E-04	1.00E-05	-5.00E-05	-1.50E-04	-2.70E-04
12:14:44	269.8	347.7	1.60E-04	2.20E-04	2.80E-04	1.10E-04	-7.00E-05	-1.00E-04	-2.00E-05	-1.40E-04
12:14:49	268	341.1	1.20E-04	2.00E-04	2.50E-04	1.20E-04	-6.00E-05	6.00E-05	-1.80E-04	-1.10E-04
12:14:54	266.4	337.7	1.80E-	2.40E-	2.30E-	1.30E-	-	-	-	-

			04	04	04	04	5.00E-05	2.00E-05	7.00E-05	2.30E-04
12:14:59	265.7	335.2	1.30E-04	2.10E-04	2.50E-04	1.00E-04	-5.00E-05	-2.00E-05	-1.30E-04	-1.00E-04
12:15:04	263.8	330.7	1.60E-04	1.90E-04	2.10E-04	1.50E-04	-1.70E-04	-6.00E-05	-7.00E-05	-2.60E-04
12:15:09	261.8	327.6	1.70E-04	2.10E-04	2.80E-04	1.30E-04	-1.10E-04	-1.10E-04	-4.00E-05	-3.50E-04
12:15:14	261.8	326.7	1.80E-04	2.20E-04	1.90E-04	1.10E-04	-9.00E-05	-9.00E-05	-8.00E-05	-2.10E-04
12:15:19	261.4	324	1.20E-04	2.20E-04	2.90E-04	1.50E-04	-2.00E-04	-1.10E-04	-1.20E-04	-2.80E-04
12:15:24	260	321.2	1.10E-04	1.90E-04	2.80E-04	1.60E-04	-1.30E-04	-1.30E-04	-7.00E-05	-2.30E-04
12:15:29	258.7	320.1	1.00E-04	2.10E-04	2.90E-04	1.20E-04	-1.60E-04	-1.30E-04	-1.10E-04	-1.60E-04
12:15:34	258.3	316.8	1.30E-04	1.80E-04	1.60E-04	8.00E-05	-5.00E-05	-1.90E-04	-1.20E-04	-3.40E-04
12:15:39	256.1	314.2	1.40E-04	2.00E-04	2.30E-04	1.10E-04	-1.70E-04	-1.60E-04	-1.10E-04	-3.20E-04
12:15:44	253.9	310.1	1.10E-04	1.80E-04	2.20E-04	4.00E-05	-1.90E-04	-5.00E-05	-1.10E-04	-2.80E-04
12:15:49	252.2	307.4	1.30E-04	1.80E-04	2.50E-04	4.00E-05	-1.50E-04	-2.00E-05	-1.90E-04	-2.50E-04
12:15:54	251	305.2	1.60E-04	2.00E-04	1.90E-04	2.00E-05	-2.10E-04	-1.50E-04	-1.10E-04	-3.30E-04
12:15:59	249.9	302.3	1.50E-04	1.80E-04	1.90E-04	-6.00E-05	-4.00E-05	-6.00E-05	-1.00E-04	-4.60E-04
12:16:04	248	299.9	1.50E-04	1.70E-04	9.00E-05	5.00E-05	-7.00E-05	-1.10E-04	-1.30E-04	-2.60E-04

12:16:09	247.1	296.9	1.10E-04	1.80E-04	2.70E-04	6.00E-05	-5.00E-05	-1.20E-04	-1.00E-04	-3.70E-04
12:16:14	246	295.5	1.30E-04	2.00E-04	1.90E-04	8.00E-05	-1.00E-05	-2.00E-05	-2.20E-04	-3.20E-04
12:16:19	244.6	293.7	1.10E-04	1.90E-04	1.80E-04	8.00E-05	0	-1.00E-04	-9.00E-05	-3.50E-04
12:16:24	243.9	289.1	7.00E-05	2.00E-04	1.50E-04	4.00E-05	-2.00E-05	-4.00E-05	-1.50E-04	-2.80E-04
12:16:29	242.5	287.5	1.10E-04	1.80E-04	2.50E-04	9.00E-05	-9.00E-05	-4.00E-05	-9.00E-05	-3.80E-04
12:16:34	240.9	285.9	1.20E-04	1.70E-04	1.40E-04	1.00E-04	-4.00E-05	-8.00E-05	-1.50E-04	-2.60E-04
12:16:39	239.6	282.4	1.00E-04	1.90E-04	1.70E-04	8.00E-05	-7.00E-05	-6.00E-05	-1.00E-05	-2.40E-04
12:16:44	238.3	280.1	1.10E-04	1.70E-04	1.40E-04	1.00E-04	-1.80E-04	-4.00E-05	-8.00E-05	-2.20E-04
12:16:49	236.9	276.8	1.00E-04	1.80E-04	2.00E-04	-3.00E-05	-1.60E-04	0	0	-3.30E-04
12:16:54	236.1	275.5	1.00E-04	1.70E-04	2.20E-04	-9.00E-05	-1.70E-04	-9.00E-05	-1.00E-05	-2.50E-04
12:16:59	234	273	1.20E-04	1.70E-04	1.40E-04	-1.00E-05	-1.40E-04	-1.10E-04	-1.20E-04	-2.10E-04
12:17:04	231.4	269.3	1.20E-04	1.50E-04	2.10E-04	-2.00E-05	-1.50E-04	1.00E-05	-1.00E-04	-2.80E-04
12:17:09	230.7	266.8	9.00E-05	1.50E-04	2.00E-04	-9.00E-05	-1.10E-04	-1.00E-04	-3.00E-05	-2.60E-04
12:17:14	229.6	264.6	1.00E-04	1.70E-04	1.60E-04	1.00E-05	-1.00E-04	-1.30E-04	1.00E-05	-3.70E-04
12:17:19	228.5	262.5	9.00E-05	1.60E-04	2.00E-04	-2.00E-	-1.10E-	-1.30E-	-3.00E-	-2.80E-

						05	04	04	05	04
12:17:24	227.7	260.8	8.00E-05	1.30E-04	1.10E-04	-3.00E-05	-1.20E-04	-1.40E-04	-1.30E-04	-2.20E-04
12:17:29	226.9	258.7	9.00E-05	1.30E-04	1.50E-04	-1.00E-05	-1.30E-04	-4.00E-05	-7.00E-05	-1.80E-04
12:17:34	226.1	257.5	5.00E-05	1.70E-04	2.10E-04	-1.00E-05	-2.00E-05	-9.00E-05	-1.00E-04	-2.20E-04
12:17:39	225.3	254	7.00E-05	1.50E-04	2.00E-04	1.00E-05	-1.30E-04	-1.00E-04	-1.20E-04	-1.80E-04
12:17:44	224.2	248.5	9.00E-05	1.50E-04	1.50E-04	3.00E-05	-8.00E-05	0	-4.00E-05	-3.00E-04
12:17:49	222.9	245.4	9.00E-05	1.60E-04	1.30E-04	3.00E-05	-1.00E-04	-3.00E-05	-8.00E-05	-2.10E-04
12:17:54	222.4	243.7	1.10E-04	1.40E-04	1.70E-04	-3.00E-05	-1.50E-04	-1.00E-04	-1.30E-04	-2.90E-04
12:17:59	221.6	243.1	9.00E-05	1.40E-04	1.80E-04	-9.00E-05	-1.60E-04	-4.00E-05	-1.30E-04	-2.50E-04
12:18:04	219.8	241.1	7.00E-05	1.40E-04	1.90E-04	-7.00E-05	-9.00E-05	-1.20E-04	-1.30E-04	-2.30E-04
12:18:09	219	239.8	9.00E-05	1.40E-04	1.80E-04	-1.00E-04	-5.00E-05	-1.10E-04	-9.00E-05	-2.60E-04
12:18:14	217.7	238.2	6.00E-05	1.40E-04	1.60E-04	-7.00E-05	-1.20E-04	-1.10E-04	-1.40E-04	-2.60E-04
12:18:19	216.9	235.9	7.00E-05	1.30E-04	1.40E-04	-4.00E-05	-1.90E-04	-1.20E-04	-6.00E-05	-2.40E-04
12:18:24	216.1	233.7	7.00E-05	1.40E-04	1.60E-04	-5.00E-05	-8.00E-05	-1.10E-04	-5.00E-05	-2.20E-04
12:18:29	215.3	230.4	1.00E-04	1.00E-04	8.00E-05	-4.00E-05	-5.00E-05	0	-1.20E-04	-1.30E-04
12:18:34	214.2	229.1	6.00E-	1.50E-	1.60E-	-	-	-	-	-

			05	04	04	7.00E-05	1.00E-04	1.00E-04	1.00E-04	1.90E-04
12:18:39	213	227.4	8.00E-05	1.30E-04	1.40E-04	-4.00E-05	-1.30E-04	-3.00E-05	-8.00E-05	-2.80E-04
12:18:44	212	225.7	7.00E-05	1.30E-04	1.80E-04	-6.00E-05	-1.50E-04	-5.00E-05	-6.00E-05	-2.10E-04
12:18:49	210.8	224.2	1.00E-04	1.40E-04	2.10E-04	-1.10E-04	-2.00E-04	-8.00E-05	-8.00E-05	-3.20E-04
12:18:54	209.8	222.9	7.00E-05	1.60E-04	1.70E-04	0	-1.20E-04	-8.00E-05	-8.00E-05	-2.50E-04
12:18:59	209.7	221.6	5.00E-05	1.20E-04	1.60E-04	-9.00E-05	-1.40E-04	-7.00E-05	-6.00E-05	-2.00E-04
12:19:04	209.2	220.7	6.00E-05	1.20E-04	1.60E-04	-1.40E-04	-1.10E-04	4.00E-05	-1.00E-04	-1.90E-04
12:19:09	208.1	219	9.00E-05	1.40E-04	1.80E-04	-9.00E-05	-7.00E-05	-8.00E-05	-1.20E-04	-2.10E-04
12:19:14	207.4	217.6	6.00E-05	1.10E-04	1.30E-04	-9.00E-05	-8.00E-05	-9.00E-05	-1.00E-05	-2.50E-04
12:19:19	206.7	215.6	7.00E-05	1.30E-04	1.10E-04	-8.00E-05	-1.40E-04	-3.00E-05	-7.00E-05	-2.70E-04
12:19:24	205.7	215	4.00E-05	1.30E-04	1.20E-04	-2.00E-05	-1.40E-04	-4.00E-05	-1.10E-04	-2.10E-04
12:19:29	204.4	213.6	7.00E-05	1.30E-04	1.10E-04	-4.00E-05	-1.20E-04	-9.00E-05	-6.00E-05	-2.60E-04
12:19:34	204	212.4	8.00E-05	1.00E-04	1.10E-04	1.00E-05	-1.10E-04	-2.00E-05	-1.00E-04	-1.30E-04
12:19:39	200.6	211.6	-6.00E-05	6.00E-05	-7.00E-05	-2.40E-04	-1.90E-04	-2.20E-04	-8.00E-05	-3.20E-04
12:19:44	187.4	187.8	-7.00E-05	4.00E-05	-3.00E-05	-1.00E-04	-2.50E-04	-3.40E-04	-2.00E-04	-3.30E-04

12:19:49	184.1	94.7	-1.20E-04	1.00E-05	-9.00E-05	-2.80E-04	-1.80E-04	-3.00E-04	-2.30E-04	-2.50E-04
12:19:54	183.8	86	-4.00E-05	2.00E-05	-5.00E-05	-1.20E-04	-1.30E-04	-2.00E-04	-1.30E-04	-1.90E-04
12:19:59	183.9	82.5	0	3.00E-05	-6.00E-05	-1.20E-04	-2.10E-04	-2.70E-04	-2.10E-04	-3.10E-04
12:20:04	183.1	80.3	-4.00E-05	4.00E-05	-2.50E-04	-1.10E-04	-2.50E-04	-3.20E-04	-2.30E-04	-3.40E-04
12:20:09	182.6	82	-2.00E-05	3.00E-05	-4.00E-05	-2.20E-04	-2.40E-04	-5.00E-05	-8.00E-05	-1.50E-04
12:20:14	182.6	75.6	-3.00E-05	5.00E-05	-2.00E-05	-1.40E-04	-1.50E-04	-6.00E-05	-1.30E-04	-2.40E-04
12:20:19	182.3	70.9	2.00E-05	7.00E-05	-3.00E-05	-1.60E-04	-1.70E-04	-6.00E-05	-9.00E-05	-2.20E-04
12:20:24	181.8	68.5	0	5.00E-05	-4.00E-05	-8.00E-05	-1.40E-04	-1.30E-04	-9.00E-05	-2.70E-04
12:20:29	181.3	63.5	0	6.00E-05	-5.00E-05	-1.10E-04	-1.70E-04	-2.20E-04	-1.60E-04	-2.10E-04
12:20:34	180.9	62.8	0	8.00E-05	-3.00E-05	-2.60E-04	-2.00E-04	-2.10E-04	-8.00E-05	-2.00E-04
12:20:39	180.3	62.8	-1.00E-05	7.00E-05	-4.00E-05	-1.10E-04	-2.10E-04	-1.90E-04	-1.40E-04	-2.30E-04
12:20:44	179.8	62.4	1.00E-05	9.00E-05	-1.00E-05	-1.10E-04	-1.70E-04	-1.50E-04	-1.30E-04	-2.70E-04
12:20:49	179.4	62.2	3.00E-05	9.00E-05	-3.00E-05	-1.20E-04	-2.10E-04	-1.40E-04	-7.00E-05	-2.20E-04
12:20:54	178.9	61.2	4.00E-05	1.00E-04	-5.00E-05	-1.80E-04	-1.50E-04	-1.40E-04	-8.00E-05	-1.70E-04
12:20:59	178.2	60.1	0	1.10E-04	-5.00E-	-1.90E-	-1.40E-	-1.60E-	-6.00E-	-1.60E-

					05	04	04	04	05	04
12:21:04	177.8	59.2	1.00E-05	1.20E-04	-5.00E-05	-2.00E-04	-1.30E-04	-1.20E-04	-6.00E-05	-1.30E-04
12:21:09	177.2	58.5	3.00E-05	1.00E-04	-4.00E-05	-1.80E-04	-2.10E-04	-1.40E-04	-7.00E-05	-1.40E-04
12:21:14	176.7	57.6	2.00E-05	1.10E-04	2.00E-05	-1.60E-04	-2.00E-04	-1.30E-04	-8.00E-05	-2.10E-04
12:21:19	176.1	56.7	1.00E-05	1.10E-04	2.00E-05	-2.30E-04	-1.30E-04	-9.00E-05	-8.00E-05	-1.70E-04
12:21:24	175.9	56.1	3.00E-05	1.00E-04	3.00E-05	-1.40E-04	-1.60E-04	-9.00E-05	-8.00E-05	-2.10E-04
12:21:29	176.7	55.5	3.00E-05	1.10E-04	8.00E-05	-1.40E-04	-1.90E-04	-5.00E-05	-8.00E-05	-1.60E-04
12:21:34	178.4	55.4	2.00E-05	1.10E-04	6.00E-05	-1.10E-04	-1.00E-04	-8.00E-05	-7.00E-05	-1.90E-04
12:21:39	179	54.1	3.00E-05	7.00E-05	3.00E-05	-9.00E-05	-1.30E-04	-1.60E-04	-3.50E-04	-4.00E-04
12:21:44	179.3	51.1	3.00E-05	5.00E-05	1.00E-05	-1.20E-04	-2.60E-04	-2.10E-04	-1.10E-04	-4.80E-04
12:21:49	179.1	50.2	2.00E-05	5.00E-05	2.00E-05	-4.00E-04	-3.10E-04	-3.20E-04	-2.30E-04	-3.30E-04

TIME	Slot 21	Slot 22	Slot 23	Slot 24	Slot 25	Slot 26	Slot 27	Slot 28	Slot 29	Slot 30
of										
current										
DATA	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C
11:47:04	10.7	12.9	26.1	9.7	11.7	19.9	10.2	11.3	16.6	9.7
11:47:09	10.8	13.1	26.3	9.7	11.7	23.5	10.2	11.3	19.2	9.7
11:47:14	10.9	13.2	43.9	9.7	11.8	36.7	10.3	11.3	31.8	9.8
11:47:19	10.8	13.2	68.5	9.7	11.9	70	10.3	11.4	52.4	9.7
11:47:24	10.9	13.5	79.3	9.8	12.1	64.6	10.4	11.5	51.8	9.8

11:47:29	11	13.9	80.4	9.8	12.6	73.2	10.3	11.8	64.8	9.8
11:47:34	11.1	14.5	98	9.8	13.1	95	10.3	12.1	74.4	9.8
11:47:39	11.2	15.2	112.1	9.9	13.8	103.2	10.4	12.7	74.9	9.9
11:47:44	11.4	15.9	103.6	9.9	14.6	92.6	10.4	13.2	71.7	9.9
11:47:49	11.6	16.8	89.9	10	15.5	91.4	10.4	14	74.6	9.9
11:47:54	11.8	17.7	73.5	10.1	16.4	74.3	10.5	14.7	59.3	10
11:47:59	12	18.6	97	10.3	17.4	100.9	10.6	15.5	83.5	10.2
11:48:04	12.3	19.4	85.7	10.3	18.3	92.2	10.6	16.2	79.8	10.3
11:48:09	12.4	20.1	83.7	10.4	19.1	92.2	10.7	17	81.6	10.3
11:48:14	12.7	20.9	79.8	10.4	20	86.1	10.8	17.7	75.3	10.5
11:48:19	12.8	21.7	76.7	10.6	20.9	97.4	10.9	18.5	85.5	10.6
11:48:24	13	22.4	94	10.7	21.8	106	10.9	19.3	81.3	10.6
11:48:29	13.2	23.1	127.4	10.8	22.7	114.9	11.1	20	90	10.7
11:48:34	13.5	24	135.8	11	23.6	110.8	11.1	20.8	87.4	10.9
11:48:39	13.8	25	123.8	11.1	24.6	108.7	11.2	21.6	85.3	11
11:48:44	14.2	26.3	123.3	11.3	25.6	105.2	11.3	22.5	78.8	11.2
11:48:49	14.6	27.6	88.4	11.5	26.8	84.4	11.5	23.3	83.7	11.4
11:48:54	15.1	28.6	70.1	11.7	27.8	72.2	11.6	24.2	79.4	11.7
11:48:59	15.4	29.5	73.5	11.9	28.7	91.7	11.8	25	91.7	11.9
11:49:04	15.7	30.2	126.6	12	29.4	137	11.9	25.7	109.9	11.9
11:49:09	16	31.1	112.9	12.1	30.3	123.6	12.1	26.4	101.3	12.1
11:49:14	16.5	32	123.7	12.4	31.4	129.8	12.2	27.3	108	12.4
11:49:19	16.9	33	168.3	12.6	32.5	147.9	12.4	28.2	112.6	12.5
11:49:24	17.3	34.2	149	12.7	33.7	126.8	12.5	29.2	98.7	12.8
11:49:29	17.8	35.5	139.7	13	34.9	126.1	12.6	30.3	110.1	12.9
11:49:34	18.2	36.8	127.5	13.3	36.1	114.5	12.8	31.3	107.6	13
11:49:39	19.1	38.1	134.2	13.5	37.4	114.3	13	32.4	100.9	13.2
11:49:44	19.4	39.2	158	13.7	38.5	154.3	13.2	33.3	123.2	13.6
11:49:49	20	40.4	165.3	13.9	39.5	153.9	13.6	34.1	127.7	13.5
11:49:54	20.7	41.7	224.2	14.2	40.7	176	13.7	35	138.5	13.8
11:49:59	21.3	43.2	203.7	14.5	42.1	176.1	13.8	36.1	132.9	14.2
11:50:04	22	44.9	194	14.8	43.6	162.2	14.1	37.4	121.5	14.4
11:50:09	22.9	46.6	193.2	15.2	45.1	167.9	14.4	38.5	123.6	14.7
11:50:14	23.5	48.2	213.9	15.5	46.6	185.2	14.6	39.7	140.4	15.2
11:50:19	24.2	49.8	242.1	15.9	48.2	196.9	14.8	40.7	140.5	15.6
11:50:24	24.9	51.4	240.1	16.3	49.8	177.4	15.1	41.9	141.1	15.9
11:50:29	25.9	53.3	201.4	16.8	51.6	162.8	15.5	43.3	126.1	16.2
11:50:34	26.9	54.9	191.7	17.3	53.4	154.8	15.9	44.4	122.4	16.4
11:50:39	27.8	56.6	187.8	17.7	54.9	160.1	16.1	45.6	123.5	16.6
11:50:44	28.7	58.1	187.5	18.1	56.4	170.5	16.4	46.6	138	16.6
11:50:49	29.4	59.7	215.8	18.5	57.7	168.2	16.5	47.6	133.9	17.2
11:50:54	30.1	61.3	208.9	19	59	167	16.7	48.5	129.7	17.7
11:50:59	31	62.9	195.1	19.5	60.4	156	17	49.6	123.8	18.1

11:51:04	31.8	64.5	192.1	19.9	61.8	163.4	17.4	50.6	129.8	18.5
11:51:09	32.6	66.1	161.4	20.3	63.1	141.6	17.5	51.6	109.2	18.9
11:51:14	33.6	67.7	200.1	20.9	64.5	181.3	18.1	52.5	132.8	19.2
11:51:19	34.5	69.2	193.4	21.4	65.7	157.1	18.6	53.4	117.9	19.5
11:51:24	35.2	70.5	235.5	21.8	67	189.4	18.6	54.2	145.1	19.9
11:51:29	36	71.8	206.7	22.3	68.3	179.5	19	55	140.1	20.2
11:51:34	37	73.2	238.9	22.8	69.5	190.6	19.4	55.7	146.3	20.7
11:51:39	37.7	74.7	235.9	23.2	71	197.6	19.6	56.7	159.2	21
11:51:44	38.7	76.3	269.8	23.9	72.6	216.5	20.1	57.8	174.8	21.5
11:51:49	39.8	77.9	335.3	24.4	74.2	250.5	20.4	58.8	175.2	22
11:51:54	40.8	79.7	350.2	24.8	76	269.6	20.8	60.1	189	22.2
11:51:59	42.2	81.6	278.2	25.6	77.9	221	20.9	61.2	173.9	22.6
11:52:04	44.4	84.1	306.8	26.5	80.3	237.8	21.2	62.6	180.4	23.2
11:52:09	46.2	86.7	261.7	26.9	82.3	200.9	21.6	64.4	166.3	23.6
11:52:14	47.6	89.5	270.3	27.9	84.5	234.4	22.1	66	186.5	24.1
11:52:19	49.7	92.6	257.9	28.5	86.6	226.8	22.5	67.5	173.7	24.5
11:52:24	51.5	95.6	268.6	29.3	88.6	247	23.1	68.8	184	25.2
11:52:29	53.5	98.6	273.1	30.2	90.5	238.6	23.5	70.3	178.4	25.4
11:52:34	54.6	101.7	349.5	30.8	92.5	265.2	24.1	71.7	204.8	26.2
11:52:39	57.1	105.1	348.8	31.7	94.8	242.7	24.5	73.2	179.5	26.4
11:52:44	59.2	108.6	306.5	33.2	97.4	223.1	24.9	74.6	179.4	27.1
11:52:49	63.4	112.7	306.3	34.1	100.5	226	25.5	76.1	186.6	27.6
11:52:54	78.1	117.2	310	35.1	104.1	238.9	26.1	77.7	179.7	28.5
11:52:59	94.5	120.8	343.1	36.1	107.3	265	26.5	78.9	195	29
11:53:04	99.6	124.1	375.9	37	110.3	289.2	27	80	207.5	29.7
11:53:09	95.6	127	405.4	38.4	113.1	311	27.6	81.1	215.1	30
11:53:14	93.9	129.4	378.9	39.4	116.1	256	28.1	82.2	187.1	30.7
11:53:19	111.3	131.6	397.7	40.8	119.7	282.7	29	83.5	195	31.8
11:53:24	119.8	133.7	354.8	42	123.7	257.2	29.7	84.9	182	32.4
11:53:29	109.8	135.7	365.3	43.1	127.5	278.2	30	86.1	199.3	33
11:53:34	99.5	137.5	412.6	44.4	131.2	325.3	30.6	87.2	220.8	33.6
11:53:39	94.5	139.5	397.5	45.5	135.3	302.8	31.4	88.2	207	34.6
11:53:44	92	141.2	428.4	46.6	138.2	319.3	32.1	89.2	205.4	34.8
11:53:49	90.8	142.9	427.4	47.1	140.2	329.4	32.7	90.2	215.6	35.7
11:53:54	90.3	144.4	447.2	48	142.7	312	33	91.3	213.8	36.3
11:53:59	90	145.9	471.9	49.6	145	363.1	33.6	92.8	241.2	36.8
11:54:04	90.1	147.4	473.4	50.8	147.2	365.9	34.6	93.7	228.7	37.3
11:54:09	90.3	148.6	475.4	51.9	149.4	376	34.8	95	233.2	37.8
11:54:14	91	149.7	503.3	53	151.4	409.8	36.4	96.3	248.7	38.9
11:54:19	91.7	151	462.6	53.7	153.8	360.6	37.2	97.9	230.4	39.5
11:54:24	92.8	152.2	453.5	54.7	155.8	312.4	37.5	99.1	207.7	40.4
11:54:29	96.6	153.1	430.7	55.6	156.8	293.9	38.3	101.1	195.5	41.4
11:54:34	99.4	153.9	488	56.4	158.5	391.6	39.6	102.9	249.9	42.2

11:54:39	104.4	154.8	504	56.7	159.8	370.8	40.8	104.8	240.7	43.2
11:54:44	107.9	156.1	555.7	57.1	160.7	376.8	41.1	106.4	240.4	43.7
11:54:49	109	157.4	601.2	58.3	160.8	441.6	41.9	108.7	261.7	44.2
11:54:54	116.8	158.9	585.3	59.1	159.8	432	43.1	111.1	263.9	45.5
11:54:59	124	161.3	645.6	61.6	159.4	458.8	43.5	112.9	258.5	45.8
11:55:04	133.3	165.6	612.2	63.5	159.2	405.5	44.7	115.2	254.2	46.5
11:55:09	145.9	173.7	692	65.5	158.1	464.6	45.8	117.7	274.1	47.8
11:55:14	159.1	184	705.6	67.9	157.6	466.6	46.9	119.4	281	48.3
11:55:19	164.2	192.6	694.7	69.5	157.5	513.6	48.5	121.7	285.4	50.1
11:55:24	180.4	204	693.9	71.9	157.9	512.5	49.9	123.7	276.8	51
11:55:29	188.9	216.2	677.4	72.4	157.8	532.2	51.9	126.2	302.7	52.5
11:55:34	214.2	270.4	671.3	74.5	158.4	504.5	52.3	127.2	294.2	53.6
11:55:39	238	341	675.5	76.7	159.7	588.1	53.8	129.1	343.8	54.5
11:55:44	260.8	391.2	673.2	78.9	161	547	55	130.2	313.3	55
11:55:49	284.3	433.9	659.6	81	161.9	474.7	56	131.5	288.2	55.9
11:55:54	297.3	458.5	659.2	82.9	162.1	504.5	57.1	133.5	304.2	57.8
11:55:59	318.5	494.3	654	84.3	162.3	498.6	57.8	135.3	319.2	58.6
11:56:04	336.3	525.7	662.6	86.4	162.5	516.3	58.6	137.1	331.9	60.3
11:56:09	350.2	539.3	646.6	88.9	163.3	484	58.7	138.1	319.2	61
11:56:14	369.2	555.9	652.8	89.7	163.4	523.7	60.6	139	335.3	62.8
11:56:19	403.5	577.9	653.1	91.7	163.8	498.9	61.4	139.3	329	64
11:56:24	441.6	600.6	660.1	94.6	164.5	511.9	61.9	138.9	344.8	65.2
11:56:29	462.5	610	662.6	98.1	165.4	513.9	62.8	139.3	346.5	66.7
11:56:34	537.1	630.8	668.5	99.3	166.2	530.8	64.3	140.3	354.6	67.7
11:56:39	578	657.3	713.1	101.9	167.1	553.5	64.5	140.4	364	68.6
11:56:44	585.5	707.6	680.3	106.2	168.9	549.4	65.2	140.5	363.6	68.9
11:56:49	569.6	692.9	655	107.7	170.6	507.8	66.6	140.7	350.9	69.3
11:56:54	546.2	686.4	644.4	108.7	172.7	504.2	67.8	141	354.7	71.2
11:56:59	519	646.3	636	109.9	175.3	474.9	67.9	141.2	352.5	70.9
11:57:04	579.4	714.1	720.2	111.4	178	536	67.9	141.1	372.4	72.2
11:57:09	583.5	674.2	691	116.3	182.3	524.5	68.3	141.5	373	73.5
11:57:14	577.6	633.3	652.8	119.2	186.5	496.9	69.3	141.5	363.5	74
11:57:19	581.7	641.1	663	120.3	189.9	469.5	70.4	141.6	356.7	74.5
11:57:24	586.9	641.2	659.8	120.5	193	485.5	71.4	142.4	355.7	75.8
11:57:29	587.7	677.9	681.2	122.7	196.4	499.1	72.1	143.6	350.6	77.1
11:57:34	599.9	684.1	688.3	125.2	199.7	506.7	72.4	144.7	365.3	77.6
11:57:39	581.2	590.5	614.6	129.7	204.1	463.7	73.7	145.4	344.6	78
11:57:44	583.2	650.5	669.6	133.7	208.4	483.3	75.2	145.8	341.8	79.1
11:57:49	599.4	690.2	695.4	135.5	211.9	510.1	75.7	146.8	363	80.8
11:57:54	601.3	706.2	713.7	142.1	216.1	513.2	76.3	147.5	360.9	81.8
11:57:59	562	605.9	626.3	144.3	220.2	459.9	76.1	147.9	340.6	82.6
11:58:04	579.5	677.1	667.8	150.8	224.9	506.1	77	148.5	353.2	83.2
11:58:09	580	658.5	691.2	149.9	228	506.7	78.3	149.2	359.8	83.5

11:58:14	568.4	635.2	657.1	154	232.1	500.6	79.3	149.2	350.5	83.2
11:58:19	560.9	641.6	643.9	156.8	235.3	501.6	80	149.3	360	84.4
11:58:24	524.1	593.9	610.1	160	238.9	469.6	80.7	150.2	345.4	84.4
11:58:29	548.1	645	642.6	163.1	242.5	502.9	81.2	151.1	366.8	86.7
11:58:34	543.4	597	609.5	165.9	246	481.6	81.6	152.1	357.2	88.2
11:58:39	566	664.4	658.4	173.5	251.4	507.1	82.5	152.7	359.6	88.1
11:58:44	562.3	647.2	643.5	179.1	256.7	494.5	83.1	153.3	356.5	88.3
11:58:49	584.7	713.8	698.7	180.5	257.4	529.1	83.9	153.9	373.1	87.5
11:58:54	582.7	677.1	667.3	183.2	261.7	538.3	84.6	154.1	389.2	88.1
11:58:59	567.4	668.2	646.7	189	266.1	541.6	84.1	153.2	383.8	86.2
11:59:04	556.8	647.2	628.6	195.9	270.6	514.4	85.6	154.9	366.2	87.1
11:59:09	540.2	600.3	595.2	202.8	276.4	479.7	87.5	156.3	348	88.6
11:59:14	536.1	608.2	594.3	204.5	279.8	487.6	87.7	157.7	350.9	90.5
11:59:19	538.5	635.2	609.2	203.4	283.2	497.2	88.8	159.2	354.8	91.9
11:59:24	560.7	667.9	642.7	200.5	285	531.7	89.3	160.1	377.5	92.1
11:59:29	540.2	605.9	589.2	206	289.9	493.4	90.2	160.8	346.7	93.8
11:59:34	577.8	692.2	661.3	202.4	291.2	532.1	91.2	160.7	371.9	93.5
11:59:39	548.6	636.1	611.9	209.4	295.2	490.8	92.2	161.4	350	95
11:59:44	545.4	634.3	613.4	211.6	297.1	502.5	93.4	163	362.9	96.3
11:59:49	572.2	689.4	656.7	212.7	299	525	93.8	163.4	366.1	99
11:59:54	572.6	687	660.8	219.7	302.2	499.7	93.8	164.5	358	98.3
11:59:59	594.9	711.1	683.4	219.9	304.4	516.4	95.7	165.6	363.5	99.6
12:00:04	597.1	701.1	675.3	224.9	310.2	540.7	97.3	166	385.5	98.8
12:00:09	588.8	665	646.4	234.5	315.8	535.7	97.7	166.8	386.8	100.4
12:00:14	591.1	682.8	659.9	237.9	319.9	552.3	99.4	168.5	394.2	99.7
12:00:19	607.8	699.2	678.6	236.7	323.2	565.2	99.6	168.8	411.7	100.1
12:00:24	605.5	699.2	676.7	245.5	327.2	555.5	101.5	170	394	99.6
12:00:29	616.6	742.1	707.2	248.4	330.9	565.7	102.4	170.8	396.1	101.2
12:00:34	618.5	725.6	696.4	252.4	334.8	564.8	102.9	171.7	400.4	102.3
12:00:39	625.1	733.3	704.5	258.8	339.4	560.3	104.1	172.6	397.4	101.1
12:00:44	613.9	709.1	681.4	258.6	343.1	566.7	104.2	172.6	400.8	102.5
12:00:49	611.6	705.4	679.6	262.6	346.2	553.7	104.6	173.2	395.8	102.6
12:00:54	643.2	744.1	719.5	271	349	589.8	105.9	174.3	425.4	105.2
12:00:59	644.1	741.2	718.6	304.1	359.7	623.6	109.1	176.7	423.4	106.8
12:01:04	631.7	728.1	697	352.7	383.8	722	110.3	177.4	476.5	107.4
12:01:09	618.5	707.3	683.8	389.8	413.3	715.3	109.6	176.8	458.2	106.5
12:01:14	625.1	717.2	693.7	425.1	448.8	712.5	108.7	175.4	450.1	106.6
12:01:19	640.4	736.1	712	474.9	491.2	724.2	109.9	174.2	473.8	107.8
12:01:24	646.1	724.8	710.2	496	526.4	691	110.8	174.4	470.2	107.3
12:01:29	625.7	696.6	681.6	505.2	565.4	679.7	112.1	177.5	473.5	109.4
12:01:34	640	748.9	723.8	509.4	591.2	671.7	113.7	179.7	485.9	111.3
12:01:39	647	751.3	732.8	492.8	601.9	684.8	117.1	183.8	480.3	113.7
12:01:44	683.9	794.2	766.5	487.1	595.4	746	123.2	192.4	492.4	119.7

12:01:49	687.1	795.6	767.4	521.1	615.4	752.7	125.8	195.5	523.3	120.8
12:01:54	670.3	767.9	755.1	585.7	668	718.6	122.6	190.1	512.7	117.6
12:01:59	668	750.8	732.3	622.8	705	684.8	120.9	185.9	502.7	115.8
12:02:04	698.4	813.9	794.7	647.9	731.4	675.9	118.9	182.8	537.6	115.6
12:02:09	687.8	770.9	768.5	643.4	726.3	737.2	118.8	179.7	539.6	115
12:02:14	684.4	774.2	758	643.8	712.1	736.1	120.5	177.7	533.1	115
12:02:19	695.6	808.2	781.8	659.1	738.1	758.9	121.1	175.6	536.3	114.6
12:02:24	684.4	774.2	750.9	649.8	723.4	749.4	126.7	186.2	534.5	114.2
12:02:29	682.6	772.9	751.5	646.7	741.5	749.6	135.6	206.7	538.3	116
12:02:34	681.6	796.7	768.5	639.1	731.9	760.8	144.6	220.7	534.5	118.8
12:02:39	690.5	806.8	779.9	636.8	710.2	767.5	148.6	228.3	529	118.8
12:02:44	690.6	805.4	778.6	646.2	745.3	795.8	148.1	232.2	541.1	118.7
12:02:49	687.7	775.6	754.7	633.1	723	738.1	149.9	232.8	536.8	120.4
12:02:54	688.2	803.9	773.7	629.9	708.9	729.1	151.5	235.8	532.2	119.7
12:02:59	720.8	852.9	826.7	655.6	734.5	749.6	154.1	236.8	544.3	120.9
12:03:04	709.8	832.4	797.2	633.1	686.3	688.2	157.6	238.9	536.8	123.4
12:03:09	697.2	793.5	767.7	617.5	648.6	680.8	158.5	240.1	545.3	126.1
12:03:14	705.1	819.3	794.3	624.3	669.5	674.2	160.9	244.5	536.9	130.1
12:03:19	691	809.7	772.4	627.1	675.1	692.9	162.6	250.4	548	133.3
12:03:24	700.4	845.5	788.6	639.7	692.9	702.3	164.9	258.2	560.4	135
12:03:29	705.6	822.3	794.4	624.8	661.6	663	165	261.6	535	137.7
12:03:34	716	833.4	814.6	619.7	663.5	662.5	165.3	259.8	522.1	138.7
12:03:39	739.6	841.2	826.1	630.4	675.6	680.8	166.4	261.8	523.1	139.9
12:03:44	739.6	832.9	814.1	625.3	672.4	672.8	166.6	261.5	521.7	141.6
12:03:49	737.9	852.5	814.7	605	647.3	653.3	167.6	255.9	512.1	141.8
12:03:54	772.4	880.2	862.1	630.9	689.2	689.7	169.3	252.4	529.1	143
12:03:59	732.6	793	773.9	605.4	643.5	648.1	167.6	248.1	500	140.5
12:04:04	768.2	876.8	853.3	626.3	689.3	695.4	168.3	251	509.7	137.7
12:04:09	745.4	842.2	828.1	615.1	673.8	673.8	168.4	252.3	502.3	138.2
12:04:14	732.5	826.6	794.3	590.9	631.3	644.3	168.5	252.6	485.6	138.6
12:04:19	759.3	857.9	852.5	618.1	681	676.3	170	251.2	508.2	139.3
12:04:24	736.9	824.3	822.4	605.9	657.5	654.7	169.8	249.9	500.4	140.4
12:04:29	721.3	847.6	831.1	612.9	677.6	676.7	169.3	250	505.9	140.4
12:04:34	718.9	881.2	855.4	614.3	667.8	674.3	168.6	248.4	504.6	141
12:04:39	727	874.9	852.9	629.1	698.7	705.8	171	252.1	509.5	141.2
12:04:44	706.2	851.5	805.1	614.7	662.2	668.7	169.4	252.3	504	141.5
12:04:49	726.5	767.3	785.9	596.2	645	655.7	166.1	245.5	492.4	141
12:04:54	794.5	882.3	868.1	621.3	687.9	704.8	164.1	247.6	498.4	141.3
12:04:59	806.1	884.2	874.4	632.4	703	711.9	163.6	249.8	503.9	145.5
12:05:04	814.7	879.8	860.8	628.7	686.1	687	167.8	253.9	506.3	152.2
12:05:09	781.2	852.5	820.1	619.9	671.1	674.9	170.9	257.9	503.7	161
12:05:14	773.5	832.6	817.2	610.6	665.1	673.5	172	259.7	490.2	162.9
12:05:19	785.5	847.7	834.6	612.5	672.6	674.9	172.6	263.6	491.5	166.8

12:05:24	794.7	866.8	839.6	627.5	693.8	696.6	173.4	266.1	507	168.1
12:05:29	783.6	864.2	842.3	607.4	657.6	665.6	174.1	267.9	494.2	168.1
12:05:34	790.8	853	839.4	611.6	674.5	670.2	175.1	269.6	494.2	169.6
12:05:39	775	831.2	807.6	622.8	682.9	694.6	177.5	270.4	502.8	171
12:05:44	776.9	849.2	823	601.4	648.3	654.9	179	272	491.6	172.6
12:05:49	812.4	886.8	873.6	596.8	648.8	660.5	182	276.2	483.5	174.9
12:05:54	773.1	671.2	812	595	647.4	649.3	183.4	279.2	479.7	178
12:05:59	781.3	807.6	764.6	600.5	654.4	661.9	185.1	282	484	178.4
12:06:04	773.8	844	803.4	600.2	648.5	651.3	185.2	284	481.3	178.5
12:06:09	762.2	827.4	802.9	606.1	661.4	672.7	184.8	282.2	488.3	178.5
12:06:14	803.8	858.5	838.1	596.9	656.3	660.5	184.6	282.9	487.7	177
12:06:19	763.7	836.2	803.4	585.3	619.6	618.2	185.2	281.3	471.6	174.6
12:06:24	738.5	808.7	781.3	592.7	632.1	631.2	184.8	279.5	477	172.5
12:06:29	699.9	765.6	742.8	559	582.5	579.8	185.3	279.6	460.3	170.8
12:06:34	684.4	794.3	775.1	578.4	622.4	622.4	186.7	278.9	469.4	170.6
12:06:39	680.2	843	822.2	597.4	655.9	669.4	186.6	275.4	480.2	169.9
12:06:44	715	855.2	832.3	610.4	673.2	683.5	187.1	275.6	489.2	169.6
12:06:49	719.2	767.6	786.6	600.2	651.3	656.9	187.7	273.5	487.6	170.5
12:06:54	736.7	836.2	805.4	591.8	638.7	641	188	272	489.6	170.4
12:06:59	751.4	823.2	805.4	599.7	656	661.1	189.9	274.6	487.4	171.1
12:07:04	756.6	844	814.5	593.3	636.4	640.6	191.6	274.3	482.6	172.2
12:07:09	755.2	830	799.6	593.7	636.4	644.8	194.1	275.6	484.1	173
12:07:14	750.5	842.6	802	592.4	631.8	640.6	195.4	277.3	481.8	173.7
12:07:19	746.1	817.3	784.7	589.5	631.2	642.8	195.8	277.3	485.8	174.2
12:07:24	739.6	790.6	766.7	574.8	616.5	623.9	196.1	275.9	472.4	175.4
12:07:29	723.1	763.4	742	570.7	612.8	628.1	197.1	275.5	473	177.3
12:07:34	721.2	771.9	747.7	564.2	591.9	598	200.1	282.5	461.6	178.3
12:07:39	708	744.9	720.8	555	588.7	603.1	201.5	284	463.5	179.3
12:07:44	698.2	737.3	713.2	546.2	577.2	588.7	202.7	284.1	449.9	180.7
12:07:49	667.3	695.4	666.3	513	528.2	535.1	203.5	285	438.4	182.6
12:07:54	671	731.6	697.7	510.7	542.5	557.3	204.6	287.6	435.8	183.3
12:07:59	659.4	705.3	680.4	499.2	525.9	541.2	205.2	289.1	421.8	184.1
12:08:04	654.2	712.3	686	493.7	520.4	531	206	289.2	415.7	185.1
12:08:09	646.3	706.7	676.2	500.7	531.5	546.3	207.4	290.5	421.5	185.8
12:08:14	651.9	720.4	690.7	492.3	524.1	532.9	210.1	294.2	405.5	186.5
12:08:19	644	677.6	657.1	491.1	521.8	540.3	212.8	297.2	408.9	188.3
12:08:24	647.3	681.4	655.2	492.8	531.1	553.2	215.5	299.3	409.3	190.8
12:08:29	643.1	650.6	642.7	480.7	518.1	536.2	216.7	300.5	404.3	190.5
12:08:34	640.8	646.4	636.6	478.2	517.8	532.5	215.6	300.5	392.5	191.4
12:08:39	639.4	641.3	632.4	446.3	478	489.8	216.5	300.9	384.2	191.3
12:08:44	639	636.2	630.6	441.1	471	494.7	218.5	302	375.5	191.1
12:08:49	638.5	631.1	628.3	451.8	489.6	519.1	218.7	301	378.6	191.7
12:08:54	634.3	613.4	610.2	439.4	471.9	488.9	219	300	373.4	192.3

12:08:59	626.9	596.3	588.4	440.2	472.3	496.1	220.3	300	371.9	193.8
12:09:04	623.7	594.5	585.7	426	459.1	478.1	221.3	300.6	363	193.6
12:09:09	597.1	573.5	551.4	415	439.6	456.6	221.1	300.2	354.2	192.7
12:09:14	582	568.6	546	407.9	439.3	459.2	221.3	299.9	344.5	192.8
12:09:19	572.8	577.9	565.8	414.9	454.6	473.4	222.7	300.8	347.2	193.7
12:09:24	553.3	574	549.6	398.6	427.5	448.4	222.4	300.8	345.7	193.4
12:09:29	537.1	553.3	538.5	401.5	436.3	462.3	223.3	301.9	349.5	194.1
12:09:34	531.7	558.9	547.9	393.8	428.1	450	223.7	300.3	345.1	194.7
12:09:39	522.5	574.7	558.9	401	439.3	461.6	224.4	299.4	348	194.2
12:09:44	517.4	558	549.3	410.2	460.5	486.1	226.4	302.5	352	196.5
12:09:49	507.7	560.4	545.1	408.9	454.4	478.4	226.8	302	352.7	196.5
12:09:54	503.1	562.2	547	396.1	447.4	466.6	226.9	302.1	341.4	195.8
12:09:59	492.3	530.8	525.8	385	425.3	439.8	227.3	304.2	335.9	195.7
12:10:04	480.5	518.8	507.3	379.9	418.7	432.8	226.9	303.1	328.1	194.5
12:10:09	470.9	521.2	502.7	368.1	404	419.8	226.7	303.9	324.9	194.2
12:10:14	466.5	519.3	501.3	370.3	410.4	431.8	227.2	303.5	332	194.5
12:10:19	463.6	522.1	506.4	381.6	429.1	444.8	228.9	303.2	330.6	194.9
12:10:24	462.3	511.5	503.7	381.7	425.3	440.8	229.2	305.4	330.3	193.9
12:10:29	464.1	537.4	523.1	386.4	440.8	465.9	231.1	306.8	336.4	194.2
12:10:34	461.1	520.3	516.1	375.6	422.1	447.5	230.9	305.6	332.4	193.5
12:10:39	455.8	524	509.2	361.6	405.5	423.6	230.3	302	323.8	193.9
12:10:44	447.8	497.2	489.1	348.1	375.9	386.3	228.8	302.8	312.9	192.2
12:10:49	442.3	487.3	476.8	355.4	387.2	407.6	228.9	301.8	315.9	192.6
12:10:54	441.2	496.8	486.9	355.6	401	424.6	229	301.1	314.6	192.3
12:10:59	440.7	493.1	489.2	355.1	399.3	417.6	229.4	300.8	316.5	192.8
12:11:04	438.5	495.3	487.1	348.5	392.2	403.6	228.1	298.6	309.9	191.8
12:11:09	431.7	477.6	471.1	341.7	375.5	390.3	228.8	298.9	306.6	191.3
12:11:14	428.3	472.9	470	336.8	377.6	396.2	228.4	296.2	304.8	190.9
12:11:19	422.5	456.7	460.1	336.1	380.7	395.2	228.9	297.9	304.6	191.3
12:11:24	409.8	424.3	425.8	332.7	368.6	383.1	227.7	297.2	301.9	191.8
12:11:29	402	420.8	419.1	324.1	357.1	367.8	227.2	294.9	291.3	190.4
12:11:34	396	408.1	413.7	325.6	359.9	383.4	227	294.1	295.6	189.4
12:11:39	388.9	403.4	408.7	325.4	363.2	380.3	226.6	293.3	295.7	189.3
12:11:44	384.7	408.8	410.4	321.6	354.7	369.8	225.6	290.6	296.1	188.3
12:11:49	382.7	428	425.7	320.3	358.5	377.2	226.6	291.8	297.6	188.4
12:11:54	377.1	431.5	418.9	318.9	352.9	367	225.4	289.4	296.6	189.2
12:11:59	378.8	434.1	423.7	324.5	365.7	378.6	223.9	286	294.4	186.6
12:12:04	373.3	415.8	409.6	314	350.4	364.1	222.8	282.1	293.7	185.3
12:12:09	367.3	411.4	405.5	299	323.8	328.6	221.3	280.8	285.9	185.5
12:12:14	367.4	432.7	417.8	297.3	327.3	334.2	219.5	276.4	283.3	184.8
12:12:19	365.7	423	412.4	294.5	328.2	339.2	218	273.8	284.4	183.8
12:12:24	362.7	415.7	410.5	300.9	333.4	350.7	216.8	272.7	292.1	183.8
12:12:29	355.2	402.4	394.6	289	313.5	324.7	216.1	271.4	286.9	183.6

12:12:34	348.8	385.5	380.8	282.9	301.6	310.6	214	267.8	281.5	182.7
12:12:39	340.3	381	368.5	274.8	289	293.4	212.5	266.3	275.8	181.8
12:12:44	336.2	372.9	361.4	271.7	290.3	300.4	211.4	264.7	268.1	180.9
12:12:49	331.2	359.6	353.8	271.8	295.3	310.8	210.6	263.5	272.6	181.5
12:12:54	327.8	354.7	352.3	273.7	295.2	308.6	210.2	263	271.6	181.8
12:12:59	321.1	343.8	338.1	267.1	286.5	298.2	210.1	262.1	263.1	180.9
12:13:04	317.5	336.1	334.3	261.1	279.4	289.9	209.8	261.4	260.7	180.5
12:13:09	310.6	334.4	328.8	255.8	268.3	280.1	208.4	259.4	251.7	180.2
12:13:14	303.4	326	317.8	245.8	256	265.1	206.8	257.5	247.6	179
12:13:19	300.2	321.8	314	242.8	253.1	265.2	206	256.1	247.9	178
12:13:24	290.3	308.6	297	235.7	240.1	245.7	204.7	253.1	241.4	177.6
12:13:29	286.1	301.9	291	230.2	230.6	236.6	203.7	251.5	235.6	176
12:13:34	283.8	306.6	295.1	234.5	244.7	260.4	202.1	249.9	239.7	175.1
12:13:39	278.7	299.2	287.6	228.1	236.5	243.6	201.5	248.6	234.6	174.6
12:13:44	275.2	291.9	284.8	228	238.7	246.5	200.4	246.5	231.6	173.3
12:13:49	272.9	291.6	285.3	226.8	237.2	247.2	199.4	245.9	230.8	173.4
12:13:54	264.7	286.2	276.6	222.1	227.5	234.9	198.8	243.7	228.9	172.2
12:13:59	261.8	282.4	271.2	218.6	221.9	228.3	197.2	241	223.2	170.5
12:14:04	259.3	273.7	267.8	218.4	223	235.5	196.8	240	222.2	170
12:14:09	255.5	269.8	263.8	210.8	213.7	218.7	195.6	237.6	218.9	169.5
12:14:14	250.8	272.5	263.8	209.7	215.2	226.5	194	236.3	219.2	169.1
12:14:19	249.5	267.1	259.8	208.2	213.2	223.3	193.2	234.6	216.2	168.2
12:14:24	245.4	259.4	255.8	206.3	210.6	222.7	192	233.1	214.7	166.8
12:14:29	244.3	259.6	255.5	202.7	205.4	217.2	191.2	231.3	212	166.1
12:14:34	241.9	257.4	253.6	200.9	203.1	209.7	190.2	229.3	209.2	165.1
12:14:39	240.6	257.8	254	203.9	211.4	223.4	188.9	228	211.3	163.8
12:14:44	236	252.4	244.5	197.4	197.7	201.4	187.6	224.8	204.2	163.2
12:14:49	232.5	244.3	236.7	197.6	199.2	202.6	186.5	222.1	200.4	161.8
12:14:54	227	235.6	228.8	195.1	196.2	203.9	185.3	220	201.5	160.3
12:14:59	224.6	229	225	191.6	193.6	199.9	184.7	219.4	198.5	159.5
12:15:04	219.8	227.2	220.8	189.3	189.7	191.2	183.5	217.3	193.7	158.2
12:15:09	219.3	228.7	223.6	189.7	191.3	194.4	182.2	215.9	192.1	157.5
12:15:14	216.5	229.6	224.3	187.8	191.4	198.9	181.9	214.8	194.9	156.8
12:15:19	216.2	229	225	189.9	196.2	206.3	180.9	213.3	193.6	155.6
12:15:24	211.3	222.3	216.8	182.1	182	188.2	179.8	211.8	190.3	155.1
12:15:29	210.8	224.6	218.1	181.6	186.5	196.5	178.9	210.8	192.2	154.2
12:15:34	206.2	214.6	209.9	176.8	180.9	186.2	177.8	208.7	188.6	153.5
12:15:39	204	213.8	209.4	175.7	179.1	186.2	177.2	207.3	189.2	152.7
12:15:44	200	205.1	199.8	168.7	168	170.4	176.2	204.7	183.2	151.6
12:15:49	198.4	206.9	200.4	171.4	171.1	176.5	175.3	203.2	182.2	151
12:15:54	197.4	206.4	201.8	171.2	172.7	180.6	174.2	202.1	179.1	150.3
12:15:59	195	205.6	200.3	170.5	171.2	176	173.2	200	178.4	149.3
12:16:04	193.1	204.4	198.7	171	171	174.5	172.5	198.7	178.4	148.5

12:16:09	191.4	205.9	199.1	168.3	164.7	170.5	171.5	198.3	175.7	148.3
12:16:14	189.5	203.9	196.6	164.5	162	166.6	170.3	196.4	175.6	147.9
12:16:19	188.8	204.3	198	163.8	164.5	170.5	169.1	194.9	176.3	146.7
12:16:24	187.5	202.1	196	164.8	165.6	169.2	168.7	193.4	175.8	145.6
12:16:29	185.4	198.5	192.3	160.7	160.4	164.2	167.9	191.8	173.2	144.9
12:16:34	184	197.5	191.6	161.1	159.4	162.7	166.8	190.3	171.5	144.5
12:16:39	182.7	198.2	192.7	163.7	165.2	174	165.7	189.6	174.1	143.6
12:16:44	182.1	196.1	192.7	160.9	163.6	170.9	164.9	189.1	172.6	143.1
12:16:49	181.1	195.9	190.6	159.9	164.4	171.8	164.1	188.2	171.1	142.6
12:16:54	180	190.1	187.1	157.3	159.8	163.5	163.1	187.1	165.8	141.9
12:16:59	178.2	187.7	184	157.7	160.1	165.4	162.3	185.9	165	141.3
12:17:04	176.6	185.4	181.4	157.8	159.2	163.4	161.3	184.3	161.6	140.7
12:17:09	174.1	182.2	177.9	150.9	147.1	148.8	160.2	182.3	156.4	140.6
12:17:14	173.4	182.8	177	151.4	150.4	156.2	159.3	180.1	155.9	139.8
12:17:19	171.2	182.7	175.5	151	149.9	155.7	158.6	179.7	156.2	139.5
12:17:24	170.3	183.7	175.2	149.9	148.7	153.3	157.7	178.9	155.2	138.8
12:17:29	167.2	170.6	165.9	146.4	144.6	146.4	157.1	177.2	151.6	138.1
12:17:34	166.5	172.1	168.4	147	147.8	152.3	156.1	175.6	151.8	137.2
12:17:39	164.6	169.3	165.8	147.6	149.3	154.6	155.4	174.5	150.7	136.7
12:17:44	164.6	174.7	168	148.2	151.6	155.8	154.8	173.9	151.1	136.1
12:17:49	164	176.4	170.5	149.5	154.4	157.9	154.4	172.7	150.8	135.9
12:17:54	163.3	172.7	169.4	146.4	149.5	151.1	153.7	172.1	147.2	135.6
12:17:59	162.5	171.1	168.4	145	145.3	146.5	153	171	145.3	135.3
12:18:04	161.2	170.4	168.1	144.9	145.9	149.6	152.2	170.3	147	134.8
12:18:09	160.5	168.7	165.2	143	143.6	146	151.4	169.2	143.8	134.3
12:18:14	159.2	169.7	165.9	142.8	144.8	150	150.6	168.5	144.3	133.7
12:18:19	156.4	164.3	159.8	136	134.6	136.6	149.7	166.1	139.1	133.1
12:18:24	156	165.6	160.9	137.5	135.4	137.7	148.9	165	138.7	132.8
12:18:29	154.3	163.5	158.5	137.7	136.1	139	147.9	163.1	136.2	132
12:18:34	154.9	167.6	160.4	136	134.1	137.6	147.2	162.3	136.7	131.4
12:18:39	153.9	165.8	159.4	134.9	134.3	136.2	146.5	161.5	135.2	131.1
12:18:44	151.4	163.8	156.5	133.4	131.8	132.3	145.9	161.7	135.5	131
12:18:49	151.5	162.2	155.9	131.8	130.8	132.8	145.2	160.6	132.1	130.3
12:18:54	150.9	161	156.4	133	133.4	137	144.6	159.8	133.4	129.9
12:18:59	149.3	161.4	155.4	129.8	127.7	131.3	143.9	158.5	131.6	129.2
12:19:04	147.8	159	152.5	128.4	127.3	131.2	143.1	157.1	131.4	128.5
12:19:09	148.1	161.5	155.9	129.2	130.6	137.6	142.6	156.8	132.6	128.1
12:19:14	147.1	160.9	155.9	129.5	129.3	132.5	142	155.9	131.6	127.6
12:19:19	145.8	156.6	151.9	127.7	128	131.7	141.2	154.2	131.1	127
12:19:24	144.1	149.2	147.4	127.9	127.4	132.4	140.5	153	130.6	126.8
12:19:29	143.5	149.6	148.1	128.5	129	134.2	139.7	152.2	130	126.2
12:19:34	143	148.9	147.7	126.3	126.5	128.9	139	150.7	128.7	125.8
12:19:39	126.6	70.3	63.2	109.6	105.5	103.7	137.9	149.1	113.9	125.1

12:19:44	43.6	18.4	18.3	79.9	34.4	30.9	132.6	138.7	92.8	122.2
12:19:49	32	15.2	15.3	54.7	27.4	29.2	127	125.2	60.1	120.3
12:19:54	30.1	18	17.6	50.3	26.3	27.5	124.7	117.5	60.5	119.2
12:19:59	35.6	30.1	34.3	60.6	37.7	39.4	125	119.6	64.1	119.3
12:20:04	32.1	28	25.6	52	28.1	32.3	125.4	119.8	67.7	119.4
12:20:09	32.1	28.9	29.3	44.2	29.4	30.8	126.6	117.4	61.4	118.3
12:20:14	35.9	37.1	38.5	46.5	36.1	37.6	127.7	119.2	68.5	118.1
12:20:19	39.6	40.6	40.8	49	40.8	40.8	127.6	120.9	77.1	117.9
12:20:24	41.3	39.2	38.6	48.3	39.6	39.4	126.9	120.4	78	117.7
12:20:29	44.7	42.9	42.5	48.4	41.2	40.8	126.2	120.7	80.5	117.3
12:20:34	46.4	42.7	42	50.9	37.4	37.5	126.6	121.3	82.6	117
12:20:39	48.3	41.9	40.9	57.6	36.5	36.6	126.8	121.1	83.5	116.7
12:20:44	51.7	41.6	40.7	65.2	38.4	38.5	126.4	121.2	84.2	116.3
12:20:49	54.7	43.3	41.8	69.3	43.5	44.5	126.6	122.5	86.3	116.2
12:20:54	56	41.9	41.2	73.4	53.3	80.2	126	121.8	87.2	115.7
12:20:59	57.1	40.2	38.8	76.8	63	89.6	125.1	121.5	87.7	115.3
12:21:04	58.5	44.1	39.6	76.2	64	88	124.7	120.9	87.3	114.9
12:21:09	60	48.4	40.2	78.7	71.3	94.1	124.1	120.3	88.8	114.3
12:21:14	62	57.6	41.3	79.1	74.9	94.9	123.7	119.2	90.3	113.8
12:21:19	62.6	68.4	39.7	81.5	78.6	97.9	122.8	119.3	90.9	113.4
12:21:24	62.9	82.3	40.4	80.9	77.8	93.2	122.2	119.1	91	113.1
12:21:29	64.3	95	41.5	82.5	82.7	98.7	121.7	118.1	93.1	112.7
12:21:34	65.1	103.8	42.1	83.9	85	98.9	121.1	117.6	94.3	112.2
12:21:39	64.9	112.4	48.7	81.6	79.5	88.4	120.5	117	92.3	111.8
12:21:44	64	109.6	53.3	76.1	65.2	64.6	118.2	112.8	86.8	111.4
12:21:49	61.1	94.9	48.4	70.8	55.5	50.5	116.5	108.4	81.2	110.7

TIME of current DATA	Slot 31 deg C	Slot 32 deg C	Slot 33 deg C	Slot 34 deg C	Slot 35 deg C
11:47:04	10.3	15.8	9.9	10.2	14.5
11:47:09	10.4	18.1	9.9	10.3	16.4
11:47:14	10.5	32.1	9.9	10.4	28.4
11:47:19	10.5	49.5	9.9	10.4	40.2
11:47:24	10.6	52.9	10	10.6	43.4
11:47:29	10.7	63.4	10	10.9	50.2
11:47:34	11.1	65.6	10	11.3	56.5
11:47:39	11.4	65.5	10.1	11.8	54.7
11:47:44	12	65	10.1	12.3	56.7
11:47:49	12.4	70.8	10.1	12.8	58.3

11:47:54	13	58.1	10.2	13.4	53.3
11:47:59	13.6	70.6	10.3	14	59.1
11:48:04	14.2	69.1	10.3	14.6	57.6
11:48:09	14.8	73.4	10.4	15.1	59.7
11:48:14	15.4	72.3	10.5	15.6	58.3
11:48:19	16	76.3	10.6	16.3	65.6
11:48:24	16.6	76.8	10.7	16.8	68.2
11:48:29	17.2	83.1	10.8	17.4	72.6
11:48:34	17.8	83.5	10.9	18.1	71.2
11:48:39	18.4	78.9	10.9	18.7	72.2
11:48:44	19.1	76.1	11.2	19.4	65.1
11:48:49	19.8	77.8	11.4	20.1	67.3
11:48:54	20.4	72.8	11.6	20.9	62.7
11:48:59	21.1	85.1	11.9	21.4	74.1
11:49:04	21.6	95.6	12	22	75.5
11:49:09	22.3	96.8	12.1	22.6	76.1
11:49:14	22.9	101.2	12.2	23.3	79.1
11:49:19	23.6	107.6	12.3	23.9	83.7
11:49:24	24.3	96	12.7	24.5	76.8
11:49:29	25.1	102.9	12.9	25.2	82.8
11:49:34	25.9	106	13	25.9	80.8
11:49:39	26.7	105.1	13.1	26.6	88.5
11:49:44	27.6	118.9	13.3	27.4	94.2
11:49:49	28.3	115.6	13.5	28	89.1
11:49:54	29.1	127.9	13.8	28.8	93.5
11:49:59	29.9	126.5	14.1	29.7	99.1
11:50:04	30.7	102.1	14.3	30.5	81.5
11:50:09	31.7	104.1	14.5	31.2	76.6
11:50:14	32.6	128.2	14.5	32	95
11:50:19	33.4	124.8	15	32.8	96.4
11:50:24	34.3	128.7	15.5	33.5	98.1
11:50:29	35.3	126.7	15.7	34.4	97.7
11:50:34	36.1	117.6	15.7	35	95.8
11:50:39	37	120.2	15.9	35.8	98.3
11:50:44	37.9	118.7	16.1	36.6	90.4
11:50:49	38.7	125.5	16.3	37.4	101
11:50:54	39.5	125	16.5	38.2	98.7
11:50:59	40.3	121.6	17.1	39.1	99.9
11:51:04	41.1	123.9	17.3	39.8	97.9
11:51:09	42	116.1	17.6	40.5	89.2
11:51:14	42.8	132.2	17.9	41.4	102.4

11:51:19	43.5	115.8	18.3	42.1	97.1
11:51:24	44.3	130.5	18.4	42.5	103.2
11:51:29	45	131.9	18.7	43.1	100.7
11:51:34	45.7	138.1	18.9	43.8	104.5
11:51:39	46.4	141.3	19.3	44.6	110.2
11:51:44	47.2	159.2	19.9	45.4	120.7
11:51:49	48.1	164.7	19.8	46.3	127.7
11:51:54	49.1	170.2	20	47	124.8
11:51:59	50	161.1	20.4	47.8	129.3
11:52:04	51.1	163.5	21.2	49	123.8
11:52:09	52.2	150.7	21.9	50.2	117
11:52:14	53.5	168.6	22.6	51.4	122.6
11:52:19	54.7	166.3	22.8	52.4	131.3
11:52:24	55.9	172.3	23.2	53.4	136.1
11:52:29	57.2	160.4	23.7	54.4	126.4
11:52:34	58.4	193.6	23.5	55.4	149.6
11:52:39	59.6	165	24.1	56.5	136.2
11:52:44	60.8	164.8	24.4	57.7	121.3
11:52:49	62.1	175.6	25	58.7	133.4
11:52:54	63.6	172.6	25.7	60	135.4
11:52:59	64.8	182.8	26.1	61.1	139.4
11:53:04	66.1	184.8	26.7	62.2	135.3
11:53:09	67.3	190.4	26.7	63.1	135.7
11:53:14	68.5	176.9	26.9	64.1	136.6
11:53:19	69.7	184.5	27.8	65.3	142.2
11:53:24	70.8	172	28.2	66.4	139.4
11:53:29	72	184	29.3	67.6	143.8
11:53:34	73.1	200	30	68.8	146.2
11:53:39	74.4	195.3	30.3	69.8	146.9
11:53:44	75.5	193.1	30.9	70.8	146.6
11:53:49	76.6	193.8	31.6	71.8	149.5
11:53:54	77.7	194.3	32.4	72.7	148.1
11:53:59	78.8	211.3	32.3	73.6	153.9
11:54:04	79.9	203.8	32.7	74.7	154.5
11:54:09	81.1	210.6	33.7	75.7	159.7
11:54:14	82.2	221	34.6	76.7	165.7
11:54:19	83.3	209.7	35.1	77.6	154.7
11:54:24	84.3	189.4	35.8	78.6	149
11:54:29	85.5	178.4	36.5	79.7	142.5
11:54:34	86.6	215.2	36.6	80.3	159.9
11:54:39	87.7	203.4	36.8	81.3	160.1

11:54:44	88.7	212.1	36.9	82.1	165.9
11:54:49	89.6	213.5	37.3	82.9	165.3
11:54:54	90.7	219.6	37.8	83.7	171
11:54:59	91.8	222.8	37.7	84.5	179
11:55:04	93	205.1	38.5	85.3	167.8
11:55:09	94.4	214.6	38.8	86	172.2
11:55:14	95.6	226.6	39.3	86.7	179.7
11:55:19	97.2	222	40.7	87.9	179
11:55:24	98.7	213	41	88.9	171.8
11:55:29	100.2	232.2	41.9	89.8	187.4
11:55:34	101.8	238.9	43.8	91	188.3
11:55:39	103.2	257.4	44.5	92.2	198.1
11:55:44	104.6	240.4	44.9	93.3	189.5
11:55:49	106.4	224.1	45.5	94.4	178.1
11:55:54	108.8	224	46	95.5	173
11:55:59	111.1	228.9	47.7	96.7	178.4
11:56:04	113.5	237.7	48.4	98	181
11:56:09	115.5	231.2	49.3	99	183.2
11:56:14	117.2	241.7	49.5	100.3	192.6
11:56:19	118.9	236.4	50.5	101.4	192.9
11:56:24	120.5	248.5	51.3	102.6	199.3
11:56:29	122	255.7	51.7	104	198.1
11:56:34	123.2	260.1	53.1	105.5	193.5
11:56:39	124	274.2	54.4	106.8	209.1
11:56:44	124.8	269.6	55.7	108.2	201.1
11:56:49	125.5	264.4	56.7	109.6	200.4
11:56:54	126.3	266.1	57.5	111.2	206
11:56:59	126.7	269.1	57.9	112.4	209.8
11:57:04	127.3	278.9	58.8	114.2	218.9
11:57:09	127.8	283.8	60.2	115.9	215.5
11:57:14	128.2	279.4	61.3	117.6	206.3
11:57:19	128.7	282	62.4	119.2	213
11:57:24	129.4	278.9	63.5	121.1	203.7
11:57:29	129.9	270.6	64.2	122.8	197.9
11:57:34	130.5	276.5	64.6	124.1	203.8
11:57:39	131.2	267.6	64.9	125.5	201.7
11:57:44	131.6	263.1	65.5	126.6	203.4
11:57:49	132.2	269.9	66.4	127.9	206.1
11:57:54	133	271.1	66.9	128.9	206.7
11:57:59	133.6	268.6	67.5	130.1	203.7
11:58:04	134.4	274.8	68.2	131.1	209.6

11:58:09	135.2	275.8	68.8	132.3	209.3
11:58:14	135.5	276.6	68.7	132.9	209
11:58:19	136.2	278.5	70.1	133.8	213
11:58:24	136.6	268.4	70.7	134.7	205.2
11:58:29	137.5	286.5	70.6	135.5	222.6
11:58:34	138.4	280.7	71.1	136.3	213.8
11:58:39	139	275.7	71.2	137.4	204.7
11:58:44	139.3	281.9	71.6	138.4	219.7
11:58:49	139.5	291.6	73	139.2	227.5
11:58:54	140.1	305.2	73.8	139.6	242.6
11:58:59	140.1	305.6	74.4	140.1	239.7
11:59:04	140.6	292.1	75.8	140.8	222.9
11:59:09	141.4	284.6	76.7	141.8	219.5
11:59:14	142.4	281.3	76.4	142.5	215.3
11:59:19	143.1	277.7	77.4	143.5	211.4
11:59:24	143.9	291.8	77.7	144.6	222.8
11:59:29	144.5	278.5	77.9	145.4	213.4
11:59:34	144.9	291.1	78.7	146.1	221.4
11:59:39	145.4	279.9	78.8	146.5	218.9
11:59:44	146.1	280.2	79.1	147.2	218.9
11:59:49	147.1	284	78.9	147.7	221.2
11:59:54	147.7	282.6	80.3	148.2	221.7
11:59:59	148.7	285.9	80.4	148.8	227.3
12:00:04	149	295.3	81.7	149.6	241.6
12:00:09	150	300.7	81.1	150.2	241.4
12:00:14	150.5	311.7	82.5	150.7	254.2
12:00:19	150.8	318.5	83.3	151.2	257.1
12:00:24	151.1	311	83.5	151.7	250.6
12:00:29	151.7	314.1	84.1	152.1	253.3
12:00:34	152.8	314.9	84.5	152.7	249.7
12:00:39	153	313.8	85.3	153.2	252.8
12:00:44	154	316.2	86.4	153.7	251.7
12:00:49	154.5	307.7	86.2	154.1	240.5
12:00:54	155.6	327.3	86.4	154.6	254.5
12:00:59	156.6	325.4	86.8	154.9	250.2
12:01:04	157.4	355	88.4	155.4	274.4
12:01:09	157.2	340.4	89.7	156	259.5
12:01:14	157.1	335.8	90.7	156.3	250.3
12:01:19	158	357.3	91.1	156.7	279.1
12:01:24	157.7	353.3	91.9	157	272.6
12:01:29	158.8	362	92.2	157.3	281.5

12:01:34	160.2	372.1	92.2	157.6	287
12:01:39	161.7	371.3	92.4	158.1	290.3
12:01:44	165.4	375.7	92.6	158.5	285.6
12:01:49	167.3	392.5	93.1	158.5	294.6
12:01:54	166.7	384.4	94.4	158.9	291
12:01:59	165.6	376.1	95.8	159.4	287.1
12:02:04	165.3	402.4	97.7	160.1	308.2
12:02:09	164.4	414.1	99.1	160.5	313.4
12:02:14	164.2	408.9	99.5	161	310.5
12:02:19	163.5	417.2	101	161.4	311.2
12:02:24	163.3	417.8	100.6	161.7	330.4
12:02:29	164.5	427.1	100.1	161.7	335.9
12:02:34	166.6	419.2	100.4	161.9	325.8
12:02:39	167.7	419	100.5	162	320.1
12:02:44	167.9	429.4	100.5	162.1	327.5
12:02:49	170	422.3	102.2	162.3	322
12:02:54	170	408.9	103.5	162.2	305.2
12:02:59	171.2	431.5	103.6	162.2	325.8
12:03:04	173.2	416.3	104.4	162.4	312
12:03:09	176.2	418.5	104.2	162.4	312.3
12:03:14	179.6	414.1	104.3	162.5	305.6
12:03:19	182.9	444.2	104.2	162.3	345.4
12:03:24	185.3	451.6	105	162.4	342.2
12:03:29	188.3	438.2	105.4	162.7	325
12:03:34	190	428.9	105	162.9	323.3
12:03:39	191.4	429.9	106	163.3	331.7
12:03:44	193.3	430	106.8	163.8	335.8
12:03:49	194.4	433.4	107.1	164	339.9
12:03:54	195.3	438.8	109.1	164.4	340.1
12:03:59	194.4	415.9	110.4	165.1	334.4
12:04:04	192.6	437.6	110.7	165.5	354.9
12:04:09	192.7	427.3	111.6	166.1	347.4
12:04:14	192.9	417.1	112.1	166.6	340.8
12:04:19	193.3	436.2	112.3	167.2	346.6
12:04:24	194.3	428.3	112.4	167.5	357.9
12:04:29	194.7	436.9	113	168	364.9
12:04:34	195.4	431.9	113.6	168.5	369.6
12:04:39	195.2	439.8	115	168.8	375.4
12:04:44	196.3	434.3	115.4	169.1	379.7
12:04:49	196.4	419.7	114.8	169.4	348.7
12:04:54	197.7	430.5	115.2	169.8	362.5

12:04:59	200.7	442.2	115.3	170.1	371.5
12:05:04	207.1	437.8	114.2	170.5	366.2
12:05:09	213.9	432.8	113.2	170.8	356.3
12:05:14	217	421.5	114.1	171.1	344.8
12:05:19	221.6	425.9	114.6	171.6	350.8
12:05:24	224.7	445.2	115.7	172	385.5
12:05:29	226.7	427.8	115.9	172.3	366
12:05:34	228.4	429.7	116.7	172.8	366
12:05:39	230.1	431.6	116.9	173.3	370.9
12:05:44	232.6	421.6	117.8	173.9	355.4
12:05:49	235.8	421.9	118.2	174.4	361.6
12:05:54	239.3	412.7	119.2	175	339.9
12:05:59	241.2	420.4	120	175.5	342.3
12:06:04	242.1	408.7	120.9	176.1	341.4
12:06:09	242.6	418.1	122.4	176.7	351.6
12:06:14	243.3	422.4	123.8	177.3	351.2
12:06:19	241.8	399.6	124.7	177.9	327.5
12:06:24	239.7	410.3	126.4	178.5	342.5
12:06:29	238.4	390.1	127.8	179.2	327.9
12:06:34	237.8	402.5	128.7	179.7	331.8
12:06:39	235.7	407.8	130.5	180.3	342.5
12:06:44	235.1	414.2	132.4	181	338.9
12:06:49	235.8	418	134.1	181.7	349.7
12:06:54	235.3	419.8	134.6	182.3	353.8
12:06:59	236.1	411.8	135	182.9	352.7
12:07:04	237.4	407.1	136.5	183.5	340.5
12:07:09	238.5	411	137.2	184.1	346.4
12:07:14	239.4	409.5	137.7	184.7	345.4
12:07:19	239.8	419	138.3	185.3	360.8
12:07:24	241.2	399.8	140.1	185.9	339.7
12:07:29	243.7	405.6	141.3	186.5	347.2
12:07:34	244.7	395	140.5	187	331
12:07:39	245.7	399.9	141	187.3	341.7
12:07:44	247.3	386	142	187.8	328.8
12:07:49	249.1	373.4	142.8	188.2	314.9
12:07:54	250.3	369.3	143.8	188.5	311.2
12:07:59	252	354.3	144.3	188.8	297.2
12:08:04	253.8	341.6	144.7	189	282.5
12:08:09	255.2	353.6	145.2	189.2	305.3
12:08:14	256.1	327.6	144.6	189.3	276.1
12:08:19	259.3	335	145.3	189.4	288.8

12:08:24	262.2	333.1	146	189.4	281.6
12:08:29	261.7	324.8	146.5	189.4	265.1
12:08:34	264.1	316.6	146.4	189.4	264.2
12:08:39	263.7	322.4	146.2	189.4	275.5
12:08:44	264.4	308.6	145.3	189.3	268.5
12:08:49	265.4	314.3	146.2	189.2	274.2
12:08:54	265	313.2	145.1	189.1	275.5
12:08:59	267.1	308.4	144.9	188.9	266.4
12:09:04	267.7	301	145.1	188.8	259.4
12:09:09	265.5	287.3	146	188.6	246.2
12:09:14	265.3	279	146	188.5	244.1
12:09:19	265.9	285.3	146.2	188.2	250.1
12:09:24	264.7	283.3	146.4	188	251.5
12:09:29	266.3	283.5	145.8	187.8	247.2
12:09:34	265.9	283.2	146.3	187.5	241.1
12:09:39	266.2	280.4	147.1	187.3	238.2
12:09:44	268.1	286.9	146.8	187	251.2
12:09:49	267.9	292.8	146.6	186.8	253.7
12:09:54	267	282.9	146.7	186.5	243.4
12:09:59	265.7	276.3	147.7	186.1	243.9
12:10:04	264.4	265.1	147.5	185.8	236
12:10:09	264.5	271	148.2	185.5	239.8
12:10:14	265.5	279.6	147.4	185.2	244.5
12:10:19	265.5	280.2	148.5	184.8	244.9
12:10:24	263.7	281.1	148.2	184.5	237.2
12:10:29	264.4	279.9	148	184.2	242.6
12:10:34	263	273.2	148	183.9	238.9
12:10:39	262.9	264.7	147.5	183.6	230
12:10:44	261	257.8	148.7	183.1	219.7
12:10:49	260.3	258.8	148.2	182.7	220.3
12:10:54	260.3	259	148.6	182.4	217.2
12:10:59	260.2	268.5	149.1	182.1	231.8
12:11:04	257.9	259.4	148.3	181.6	217.2
12:11:09	257.6	250.5	148.2	181.3	215.1
12:11:14	256	247.9	148.9	180.8	213.9
12:11:19	256.2	254.5	149.2	180.5	222.7
12:11:24	255.9	250.1	148.6	180	221.9
12:11:29	253.9	237.2	148.3	179.6	209.8
12:11:34	252.5	245.3	148	179.1	218
12:11:39	251.8	249.3	149.1	178.8	214.8
12:11:44	250.8	248	148.3	178.4	216.2

12:11:49	251	240.9	148.3	177.9	211.4
12:11:54	251.3	244	148.3	177.5	211.8
12:11:59	247.4	247.4	148.3	177.1	217.1
12:12:04	246.5	240.4	148.3	176.7	212.3
12:12:09	245.1	228.1	148	176.3	197.8
12:12:14	243.8	225.2	148.1	175.8	196
12:12:19	242.4	214.6	148.4	175.4	187
12:12:24	242.2	223.1	147.7	174.9	192.5
12:12:29	241.6	217.8	147.6	174.4	188.3
12:12:34	239.3	215.8	147.4	173.9	185.7
12:12:39	238.7	206.2	147	173.4	180.5
12:12:44	236.9	199.5	146.1	172.9	177.7
12:12:49	236.9	209.1	145.8	172.4	182
12:12:54	236.9	204.4	146.2	171.9	177
12:12:59	235.6	195.1	145.8	171.3	169.5
12:13:04	234.9	196.7	145.5	170.9	171.7
12:13:09	234.2	186.7	144.9	170.2	164.8
12:13:14	231.6	185.2	144.8	169.7	163.7
12:13:19	230.6	183.6	144.8	169.2	164.2
12:13:24	229.2	180.4	144.4	168.6	158.3
12:13:29	226.9	179.4	144.2	168.1	157.9
12:13:34	225.5	176.7	143.9	167.5	157.2
12:13:39	224.3	176.8	143.2	166.9	155.9
12:13:44	222.8	175.8	142.5	166.4	154.9
12:13:49	221.9	177.4	142.5	165.8	156.3
12:13:54	219.9	175.8	141.9	165.1	153.9
12:13:59	218.2	167	141.2	164.5	148.1
12:14:04	217	168.9	141.4	163.9	146.5
12:14:09	216.3	166.5	141.2	163.4	146.8
12:14:14	215.1	159	140.3	162.8	140.6
12:14:19	213.6	160.2	139.7	162.2	141.2
12:14:24	212.1	160.9	139.9	161.6	142.5
12:14:29	210.7	157.1	139	161	138.1
12:14:34	209.5	156.5	138.8	160.4	136.7
12:14:39	207.6	159.5	138.2	159.8	139.4
12:14:44	206.3	151.2	138.1	159.2	135.5
12:14:49	203.8	150.7	137.8	158.5	134.1
12:14:54	201.9	154.6	137.2	157.9	136.8
12:14:59	201.1	151.9	136.8	157.4	136
12:15:04	199	153.3	136	156.8	136.8
12:15:09	197.9	149.9	135.7	156.2	134.7

12:15:14	196.5	151.4	135.4	155.7	133.6
12:15:19	195	152	134.4	155	135.8
12:15:24	193.8	146.5	134	154.4	131
12:15:29	192.5	148.3	134	153.9	131.3
12:15:34	190.9	146.8	133.8	153.3	130.5
12:15:39	189.6	146.4	133.1	152.6	130.8
12:15:44	188	141.4	132.9	152.1	127.1
12:15:49	187	140.2	132.6	151.5	125.2
12:15:54	185.5	135.4	132.3	151	123.2
12:15:59	184	135.6	131.8	150.4	121.8
12:16:04	182.4	136.3	131.4	149.9	123.4
12:16:09	182	138.6	130.8	149.3	123.9
12:16:14	181.4	134.7	130.6	148.8	120.1
12:16:19	179.6	136.1	130	148.2	121.8
12:16:24	177.8	135.2	128.8	147.5	121.2
12:16:29	177	132.7	128.4	146.9	119.2
12:16:34	175.9	133	128.2	146.5	118.3
12:16:39	174.7	135.3	128.1	145.9	118.8
12:16:44	173.8	133.4	127.4	145.4	118.8
12:16:49	173.1	135	127.2	144.9	119.9
12:16:54	172	129.9	126.6	144.4	116.5
12:16:59	171.1	128.7	126.1	143.8	114.9
12:17:04	170	128.5	125.5	143.4	116.9
12:17:09	169.3	123.1	125.5	142.8	113.4
12:17:14	168.2	121.5	124.4	142.3	110.4
12:17:19	167.3	123	124.2	141.7	110.6
12:17:24	166.5	123.7	124	141.3	110.9
12:17:29	165.7	119.3	123.8	140.8	110
12:17:34	164.3	121.6	123.4	140.3	112
12:17:39	163.8	119.4	122.8	139.8	109.7
12:17:44	163.3	121.6	123	139.3	110.9
12:17:49	162.6	123.2	122.4	138.8	112.1
12:17:54	162	120	122.1	138.3	110.9
12:17:59	161.4	118.6	121.9	137.9	108.1
12:18:04	160.8	117.9	121.2	137.4	106.9
12:18:09	160	115	120.9	137	104.8
12:18:14	159.2	116	121.1	136.5	104.8
12:18:19	158.7	112.5	120.6	136	102.3
12:18:24	157.8	111.3	119.9	135.6	101.6
12:18:29	156.7	109.5	119.4	135.2	100.5
12:18:34	156	109.8	119.1	134.7	101.4

12:18:39	155.2	108.2	118.5	134.3	100.5
12:18:44	155	111.2	118.6	133.8	102.4
12:18:49	153.9	110.6	118.2	133.4	100.6
12:18:54	153.4	109.5	118	132.9	100.9
12:18:59	152.6	108.8	117.4	132.5	101.7
12:19:04	151.6	105.2	116.7	132.1	97.9
12:19:09	151	104.3	116.6	131.7	96.6
12:19:14	150.1	107	116.2	131.2	99.9
12:19:19	149.3	105.7	115.9	130.8	99.5
12:19:24	148.7	108	115.1	130.4	100.2
12:19:29	147.9	107.6	114.8	130	101
12:19:34	147.3	105.9	114.5	129.5	100.6
12:19:39	145.8	93.2	114	129.1	94.3
12:19:44	140	70.4	112.8	128.5	80.3
12:19:49	136.4	46.1	112.4	128	70.6
12:19:54	136.1	50.1	112.1	127.4	71.8
12:19:59	136.3	63.8	111.8	127	79.3
12:20:04	136.8	65.4	111.4	126.6	78.8
12:20:09	135	60.9	111.1	126.2	72.7
12:20:14	134.4	71.7	110.8	125.7	77.5
12:20:19	134	83.5	110.4	125.4	82.3
12:20:24	133.9	84.7	110.1	124.9	82.7
12:20:29	133.3	89.1	109.5	124.5	85.4
12:20:34	132.8	89.2	109.2	124.1	86.9
12:20:39	132.2	88.4	108.9	123.7	88.2
12:20:44	131.5	86.9	108.6	123.2	86.7
12:20:49	131.1	89.9	108.4	122.8	88.5
12:20:54	130.7	92	108	122.4	90.2
12:20:59	130	89.4	107.9	122	89.5
12:21:04	129.5	87.8	107.6	121.6	87.5
12:21:09	128.7	89	107.3	121.2	86.7
12:21:14	128.3	91.9	107	120.7	87.2
12:21:19	127.8	89.6	106.7	120.3	86.4
12:21:24	127.3	89.5	106.5	120	86.1
12:21:29	127.1	90	105.9	119.6	86.4
12:21:34	126.5	91	105.7	119.2	87.1
12:21:39	125.8	87.6	105.4	118.9	85.5
12:21:44	125.3	81.5	105.1	118.4	81.2
12:21:49	124.6	77.3	105	118.1	78.5

List of Calibrated Instrumentation Used for Testing

Description	Serial No.	Calibration Due Date
Gardon Gage	158181	10/30/10
Gardon Gage	158183	10/30/10
Gardon Gage	158182	10/30/10
Medtherm # 64-20-18 Gage	588510	10/30/10

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DATE	SUMMARY
May 10, 2010	Original