

POLITECNICO DI MILANO



**EFFECT OF DIFFERENT TYPES OF FIBERS ON SHRINKAGE IN HIGH
PERFORMANCE CEMENTITIOUS COMPOSITES. APPLICATION IN
LAMINAR ELEMENTS FOR MANUFACTURED HOUSES.**

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ABSTRACT

Within this dissertation high performance fiber reinforced cement based composites (HPFRCCs) with natural fibers have been analyzed. The natural fibers come from Brazil, through the international research project EnCoRe – ENvironmentally-friendly solution for CONcrete with REcycled and natural components.

The autogenous and drying shrinkage of composites with different types of fibres have been studied and compared with the reference mixture without fiber, in order to support the assumption that natural fibers can create a porous network and a preferred way to connect the internal matrix and the environment.

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1 INTRODUCTION

1. INTRODUCTION

1.1 Introduction

The demand for sustainable structures, with high level of service performance in which the waste from the constructions are correctly managed, motivates the search for new innovative solutions that reduce negative ecological impact.

Although several possible solutions to improve the environmental compatibility and sustainability of concrete production in the construction industry have already been proposed, further research is still needed to address various issues concerning the compatibility of recycled materials with traditional ones used in concrete production.

A solution which respects the environment is also profitable for the production of fiber-reinforced concrete can be achieved by the application of natural fibers as a reinforcement system.

In the line of development of construction materials reinforced with natural fibers, many researches have been carried out on cementitious and polymeric matrix composites and promising results have been achieved, showing an improvement in durability, strength and ductility.

1.2 Objectives

This study is a part of a larger investigation undertaken by the authors in the framework of the EU-FP7 research Project EnCoRe aimed at assessing the possibility of using cellulose based materials and natural fibers as promoters of cementitious self-healing processes in advanced cementitious composites.

Six Research Units (RUs) have been involved in this IRSES-Partnership. Politecnico di Milano takes part of this project, specifically has taken over the development of the guideline for the construction of fiber reinforced concrete using natural fibers (NFRC).). The realization of the Natural Fiber Reinforced Concrete, at the Politecnico di Milano has been developed through collaboration with the Federal University of Rio de Janeiro, Brazil.

Particularly in this thesis the results have been shown the effect that natural fibers with or without the addition of a percentage of steel fibers causes in the shrinkage of High Performance Fiber reinforced cementitious composites.

1.3 Document structure

This document is organized in five chapters. The first one refers to an introduction, objectives of the experimental campaign and the document structure.

In chapter 2, we have collected the studies about High Performance Fiber reinforced cementitious composites specifically those related to the shrinkage of concrete.

In chapter 3, it is explained the program and the experimental methodology adopted, the materials used and their characteristics.

In chapter 4 there are shown the different results obtained are discussed.

Finally, chapter 5 summarizes the conclusions resulting from the experiments and analysed in this research, as well as future lines of investigation.

2. STATE OF THE ART

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2.1 Evolution of concrete

2.1.1 Natural cement concrete

The history of concrete is a fundamental chapter in the history of the building. Although we do not really know for sure who discovered or who used it for the first time, it is highly probable that the concept appeared in the same time when the men started dominating the fire. Thanks to some findings it is certain that about 7,500 years ago during the Stone Age, the civilians built the floor of their homes joining limestone, sand, gravel and water. This mixture can be considered as a rudimentary concrete.

About 5,000 years ago in northern Chile were the first works were made of stone joined by a hydraulic binder from the calcination of algae, these works formed the walls of huts.

More than 2300 years ago, the Egyptians used as a binder cooked gypsum, what could be called primitive concrete. However, the Greeks used as a binder volcanic soil, although there are indications that most likely used calcined limestone mixed with clay and water cooked

The Romans also used concrete in their constructions. Initially they developed their factories (opus caementicium) with a mixture of pebbles (caementa) and binder of lime and pozzolan. The word went from the stone to the binder. Hence "cement". Later, around 200 BC, there was a significant advance in the construction binders, and what we know as Roman cement appeared. In a place near the Vesuvius was obtained pozzolan which was mainly composed of silica was obtained. This material mixed with lime and water produces a hydraulic binder. The fall of the Roman Empire caused the disuse of concrete and much of the knowledge that had been developed disappeared.

During the following centuries, there were no breakthroughs, was hardly even produced. At the beginning of the modern age an overall decline in the quality of construction materials was involved the engineer and the crisis came to the point that the manufacture and use of cement almost ended. Until the eighteenth century the only binders used in construction were plasters and hydraulic limes. However, is in this century when a notable interest in the knowledge of cements also wake.

In the eighteenth century the use of concrete started again when it was requested to an engineer from Leeds to build a lighthouse on the cliff Edystone on the Cornwall coast in England that had already failed twice. To do this, he used stones together with lime mortar calcined to form a monolithic construction which endure the constant action of waves and wet winds.

2.1.2 The nineteenth century: PORTLAND CEMENT AND CONCRETE

In the years following this discovery, many types of hydraulic cements were developed, and from that time, improvements the quality of mortars and concrete started. There are various names by which they were investigated until we get to the concrete we know today.

In 1811, Dabbs obtained a patent to produce the concrete using clay.

In 1824 Joseph Aspdin, a Wakefield builder (UK), calcined in a furnace a mixture of limestone clay. This was the father of modern portland cement and named because its appearance was similar to the limestones of the island of Portland. Probably Aspdin material was patented as a hydraulic limestone due to the low temperatures used in burning.

However, we can say with confidence that the father of cement was the French chemist Vicat, who proposed in 1817 a manufacturing system that is still used today, which established mixtures of limestone and clay dosed in suitable proportions and ground together, which gave a result the first natural cements.

Portland cement, as we know it today, was first produced in 1845 by Isaac C. Johnson. He improved the dosages and increased firing temperatures to achieve the sintering of the mixture. The development of concrete as a building material, started in early XIX century, shortly after obtaining the patent for the "Portland Cement" (1824).

Subsequently, around 1861 the gardener Jack Monier invented the reinforced concrete, building a vase of cement mortar reinforced with wire mesh. William Wilkinson requested in 1854 a patent for a system that included iron armour for "improving housing construction, warehouses and other buildings fireproof.

In 1861, Coignet established standards to produce domes, beams, pipes, etc., some specimens of this new material were presented by Coignet associated with Monier in the exhibition of 1867. In the same year, Monier won his first patent to manufacture these elements.

The intense development of the construction of railways, bridges, ports, dams, etc. in the second half of the nineteenth century promoted the use of this product and its factories, especially those of natural cement, began to spread everywhere. Since 1900, Portland cements started imposing in the field of engineering, with a rapid decrease in the consumption of natural cements.

2.1.3 The Twentieth Century: BOOM CONCRETE INDUSTRY

Since the concession of the first patents for the technique of reinforced concrete in the mid-nineteenth century to the early twentieth century, there was not any standard which regulate their production, execution and design.

Since the mid-twentieth century to the present, have done several research in the different fields of use of reinforced concrete, especially civil engineering and architecture, has advanced at a dizzying speed. Important advances have been made in the field of empowerment of certain characteristics of the material with the appearance of new additives, as well as in the field of durability allowing the use of these materials even in extreme conditions.

Moreover, in the twentieth century technologies such as technologies such as prestressed concrete and shotcrete were developed, and also "special concretes" appeared as high-strength concrete, lightweight concrete, heavy concrete, porous concrete, self-compacting concrete, recycled concrete and also fiber reinforced concrete.

2.1.4 The XXI Century: THE CULTURAL ENVIRONMENT

In the same way that the Industrial Revolution led to a progressive disappearance of artisanal production processes, the current development of new technologies have allowed the development and improvement of the cement and its manufacturing process.

In relation to the product, the research has focused on promoting additions to cement to improve some of its properties and minimize the environmental impact of its production.

Moreover, the increasingly technical users has led to higher demands on the performance of cement, which has led to product differentiation and increased competition. Therefore, the cement manufactured, nowadays is a product of high ecological increasingly technological level and features wide range of varieties.

2.2 High Performance Concrete

Concrete is one of the materials most used in the construction industry, offering a number of advantages that make it a very attractive material. Concrete is a material that takes any desired shape, has a high compressive strength, is produced from easily obtainable low constituents.

One of the disadvantages of the material, is its low tensile strength, specially, if compared to compression strength. The design strength of concrete in tension is generally regarded as zero, a type which means it necessary to use reinforcement to take tensile stresses in reinforced concrete structure elements.

Some advantages of high performance concrete compared to traditional concrete are: higher structure efficiency, sustainability, durability of the works, improved aesthetics and reduced maintenance costs.

Recently much researches have focused on the study of high performance concretes, particularly in the high resistance. They are called high strength concrete those whose compressive strength characteristic measuring cylinder of 15 by 30 cm is more than 50 and up to 100 MPa.

The higher strength of the concrete is directly associated with an improvement in their performance, especially in the durability, but also causes an increase in brittleness and decreased roughness cracks, also affecting the shear strength.

The components of the high strength concrete are the same as for natural strength concrete. Nonetheless a rigorous selection of each material is necessary also to get the smallest ratio w/c possible. To achieve low values of this ratio normally is to use a superfluidifier is necessary that acts as a reducing agent is added water.

After the study of the characteristics of materials, it is possible to obtain concrete with resistance at least equal to 50MPa and as high a 80MPa. Higher resistances imply the need to use an additional constituents such as silica fume or slags.

2.3 Fiber Reinforced Concrete (FRC)

Since very remote times, natural fibers have been used in construction to reinforce those materials which have low tensile strength. Examples include clay bricks baked in the sun that were armed with straw or armed horsehair plaster or with goat hair. It was in the late nineteenth century, from the evolution of Portland Cement, when the production of fibre of strengthened cement products began.

There have been numerous patents on fiber concrete. The first patent for fiber-reinforced concrete was 1874 by A. Berard. The first experiences in which fibers were added to concrete, had been metal fibers have. Over the years, the shape of the fiber has been improved and patents very similar to current steel fibers were developed.

From the 50s of XX century numerous research about concrete reinforced with steel fibers were developed mainly by the military industry. It was in the 60s when fibers started being used in paving bridge decks, industrial flooring, container ports, tunnel linings, prefabricated...

Fiber reinforced materials are constituted by embedded fibers in a matrix generating an interface between the parts (fiber and matrix). In this scheme, the matrix and fibers maintain their physical and mechanical characteristics, produce a combination of properties that could not be achieved with each of the separate constituents. In general, fibers absorb the tensile stresses while the surrounding matrix keeps location and orientation, acts as their load transfer medium between them, and protects the fibers from aggressive environmental agents as humidity and temperature.

The fibers carry tensile stresses transmitted by adhesion to concrete, control the cracks and reduce the intensity of the same while improving the toughness.

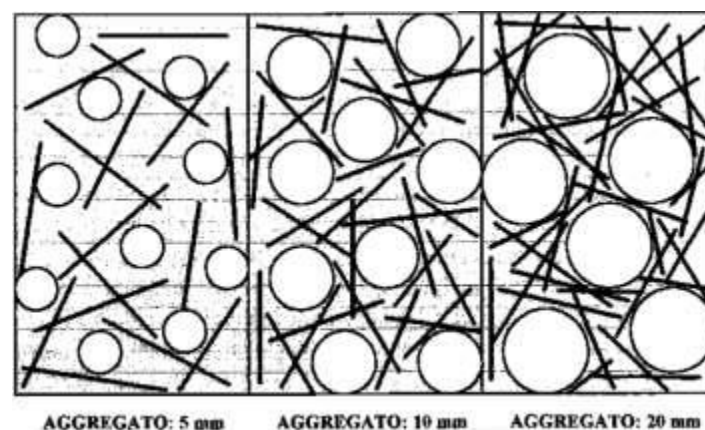


Figure 2.1- Different sizes of sands

Essentially, the nature and type of fibers determine the effectiveness of the reinforcing action and transmission efficiency. The type of fiber is usually conditioned by the influencing of economic factors, availability of materials and durability.

The standards classifies the fibers generally based on the ability to increase the strength of concrete:

- Structural which their contribution can be considered in the design calculations of the concrete section
- Non-structural are not considered in the design improve certain properties like crack control, increased RF, abrasion...

The fibers can also be classified according to the modulus of elasticity:

- Rigid whose Young's modulus is almost higher than that of the cement matrix is as steel fibers
- Flexible whose Young's modulus is smaller than that of the cement matrix in which are dispersed as with cellulose.

The fibers can be natural or artificial by nature and are intended to reinforce the concrete mass increasing tensile cracking decreasing and increasing toughness by force transmission through the cracked section. Furthermore the addition of fibers decreases the effects of hardening and shrinkage increases the impact resistance and fatigue resistance.

2.3.1 Steel Fiber Reinforced Concrete

The fiber reinforced concrete steel (SFRC) have the same components as a traditional concrete but it also contains steel fibers. The inclusion of fibers, besides modify the behavior of concrete in the fresh and hardened state recuperes some modifying where at the use-design level depending on the type and amount of fibers

Depending on the amount of fiber added to concrete and the geometry of these, the material suffers some modifications than a traditional concrete. These modifications refer to the maximum aggregate size, the lower values of the gravel-sand ratio, the higher amounts of additives which reduces the water, and increased demand for fine.

Steel fibers are elements of short length and small section to be added to concrete in order to give some specific properties, with the necessary randomly dispersed in a concrete mix in fresh mixed using traditional methodologies

characteristics. Although currently they are developed various research that studies how the position of the fibers can affect the strength or ability to self-repair concrete.

To know effectiveness of the reinforced concrete, the following properties are required to the fibers:

- A resistance significantly higher than the tensile strength of concrete.
- An adhesion with the matrix of the same order or greater than the tensile strength of the matrix.
- A module elasticity significantly higher than the concrete one.

The fibers have to take some mechanical requirements of tensile strength, bending and surface conditions. Steel fibers can have a variety of shapes: straight, wavy, corrugated, with ends shaped, toothed and others. Sections can also be vary: circular, square, rectangular...

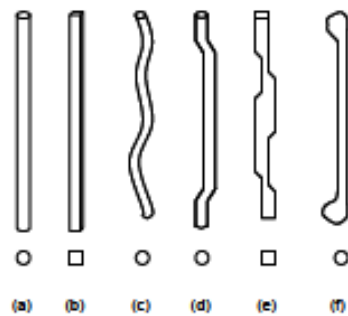


Figure 2.2 Shape of fibers. a) Circular section b) Rectangular section c) corrugated d) hooked ends e) melted ends f) flared ends

2.3.2 Natural Fiber Reinforced Concrete

The Natural Fiber Reinforced Concrete (NFRC), is made using fibers generally obtained by very economic processes, with low energy demand and without complex techniques.

The use of natural fibers in the production of cement has some advantages over the use of other fibers such as metal or polymer. Natural fibers are biodegradable, have good mechanical properties, are abundant in nature and often are obtained from the agricultural industry related processes.

The types of fibers differ by different factors. It may vary the number of cells for each fiber, the cell size and wall thickness and cross sectional area. All these factors characterize each particular vegetable fiber, so much so that each presents their mechanical and different characteristics: for these reasons, plant fibers having different values of tensile strength and Young's modulus. The unusual shapes of the fibers, also contribute to difficult evaluation of the mechanical characteristics of the fibers.

Vegetable fibers such as sisal, jute and coconut have been used as reinforcement of cementitious matrices in the form of short filament fiber. These fibers have short filaments, which causes a behavior with low tensile strength and softening behavior. It is for this reason that these fibers are used for non-structural applications. Although these materials have two major drawbacks: the process for pulp dispersion in water is very time and energy consuming and the matrix is a cement paste which presents high consume of cement, hence, elevated emission of CO₂ to the atmosphere and high shrinkage

Such composites are being proposed to be used in non-structural applications and also presented a tension softening behavior. In order to produce a composite reinforced with natural fibers that present tension hardening behavior, long sisal fibers usually are were employed.

There are many types of natural fibers but below the fibers has been studied in this paper goes into detail.

2.3.2.1 Sisal

Sisal fibers are obtained from the *Agave sisalana* plant. The drying process is essential after the extraction of the fibers from the leaves of the plant, as the quality of the fibers depends largely humidity there inside.

Sisal fibers are in the sixth worldwide fiber production. In 2007 there were nearly 240,000 tons of which 113,000 tons were produced in Brazil.

Each sisal plant produces 200 ÷ 250 sheets, each of which contains about 700 to 1,400 sets of interconnected fibers. These packages are available in sizes ranging from 0.5 m to 1 m which are only 4% of the weight of the plant. The interior of the leaves consists of three types of fibers: fibers structural arc and xylem.

Fibers have a variable number of fibrous cells between 100 and 200. These cells have a size of 18 mm in length and have a variable diameter between 6 ± 30 microns. The mechanical evaluation of sisal fibers led to the results as follows:

- Tensile strength: 350 ± 600 MPa
- Young's modulus: $8-9 \pm 19$ GPa
- Deformation to failure: $2.5 \pm 5\%$

2.3.2.2 Eucalyptus

These fibers are of a white color, with no other tones. They are present in the compact form: white tile of compressed fiber, robust and resistant. To be able to better disperse the individual fibers, is to build on the tile floors weak.

The aspect ratio of this fiber is very high and therefore they develop low values of percolation, also because there is an evolution of the structure in the form of net. They are also particularly hydrophilic, with a water retention capacity high mechanical properties and remarkable: have a modulus of approximately 150 GPa.

2.3.2.3 Nanopulp

NanoPulp fibers can be present in different ways: on the one hand have the fibers in suspension in an aqueous solution and from another hand of the same fibers in the form of sheets of cellulose. The solid form in sheets, in fact, is an aqueous solution of NanoPulp first poured on a tray and then left in an oven at a temperature of 80°C to dry.

2.3.2.4 Nanopowder

Nanopowder is a microcrystalline cellulose (MCC) which is a purified form of poly- α -cellobiose derived from cellulose by acid hydrolysis of cotton or wood-paste. It has a pH between 5-7 a particle size of $20\text{ }\mu\text{m}$ and a bulk density of $0,5\text{ g/mL}$ at 25°C . It is a bulking agent, anti-caking agent, extrusion aid and stabilizer for foams and emulsions. It has a high purity cellulose powders for partition chromatography. Its amorphous regions are hydrolyzed leaving crystalline microfibrils. Forms thixotropic gels, good thermal stability.

2.4 High performance fiber reinforced cementitious composites. (HPFRCCs)

The use of high performance fiber-reinforced concrete (HPFRCC) is the result of an evolution of both: fiber concrete and high performance concrete used in technologies. Their combination results in the HPFRCC compounds.

From the most recent years, fiber reinforced materials have suffered a great development and have received a great impulse. This occurred because the different advances over the cement matrix, the fibers in the fiber-matrix interface, the production process of the compounds...

The use of additions such as slag, silica fume or pulverised fuel ash. Or using the fluidizing additives introduces improvements in the mix of materials in addition to increase the homogeneity in the distribution of the fibers.

The main features are that the maximum particle diameter is limited to 2mm, have low permeability due to good use of fine particles and a water / cement very low by the use of super-plasticizer additive. They have good tensile deformation and cracking develop multiple giving the material a type bending behavior hardened.

The HPFRCCs, are characterized by an excellent deformation ability to tensile and show a multiple cracking behavior, which gives the material a deflection-hardening behavior. The high percentage of cement present in this type of material, makes necessary the use of cement mixture, which is replaced apart of cement by the addition of other mineral products such as fly ash or slag. The aim is to reduce the cost of material in addition to improve the durability and performance of the concrete.

In general we can say that they are self-compacting material with a high compressive strength and tensile, with low permeability that ensures higher durability and control of cracking due to the action of the fibers used.

2.4.1 Mechanical properties of HPFRCCs

2.4.1.1 Compressive strength

It is commonly accepted that the addition of fibers to concrete does not involve a significant increase in the compressive strength of concrete, although slight increases or decreases usually occur. But the main **HPFRCCs difference is** the delayed development of the micro-cracking at the interface between cementitious mass and aggregates, the effect of the reduced phenomenon "bleeding" (output of the mixing water toward the surface along the process of hardening of the concrete) with respect to traditional concretes, it is less porous and therefore more resistant. On the other hand, in traditional concretes the evolution of micro-cracking in the interface between the cementitious mass and aggregate is more pronounced, which translates into a pronounced tram after the peak. In the case of the high-performance concretes, against, the reduced micro-cracking makes the stretch after the peak is always less pronounced.

2.4.1.2 Deformation modulus

The Young's modulus has also studied this type of materials, such as in the case of the traditional, present higher values with increasing the compression resistance. However, while in the traditional concretes the Young's modulus depends only on the mechanical properties of cementitious matrix and not of the properties of the aggregates, in the high-performance, due to the 28 high resistance of the cementitious matrix, it also depends on the mechanical properties of the aggregates.

2.4.1.3 Tensile strength

The tensile strength resistance in this type of materials has been studied. It is characterized by a linear-elastic behavior until breakpoint. Being in the case of traditional concretes its tensile resistance close to 10% of its compression resistance and in high performance concrete 5 % of its compression resistance.

2.4.1.4 Toughness

The most influential variable in toughness is the bonding capacity of the fibers. Tenacity is traditionally quantified as the area under the load-deflection curve obtained experimentally. The brasilian test is not very used to evaluate this property because of the difficult of realizing it. Bending test simulates the load conditions for many practical applications and is simpler than the Brazilian test.

2.4.1.5 Viscosity phenomenon.

In high-performance concrete it is important to evaluate the viscous behavior already at early ages. From the engineering point of view and regulatory environment, for the compounds self-compacting, there are no models for forecasting the creep specific and universally accepted. The levels of uncertainty that still characterize them are currently recommended.

2.4.1.6 High ductility

The high performance fiber reinforced cement composites are a class of composites FRC characterized by a behavior strain-hardening to tensile after the first crack, accompanied by a crack multiple up to relatively high levels of deformation.

2.5 Concrete's Shrinkage

Like most materials, concrete undergoes dimensional changes due to some phenomena, mainly because of changes in humidity and load application. The main deformations concrete can suffer deformations over time are:

- Elastic deformation
- Shrinkage
- Creep

The phenomena of creep and shrinkage usually occur simultaneously. These are originated in the cement paste and have similar trends over time.

Commonly both phenomena are considered as additives, assuming the total deformation of an element subjected to drying and loaded as the sum of the deformations due to shrinkage and stress (creep). The above assumption, (although not entirely correct) is simple and works well for many practical applications where creep and shrinkage occur at the same time.

Although this concrete inelastic deformation was observed before its importance was recognized when White wrote about the development of stresses in the concrete due to shrinkage in an article in the American Society for Testing Materials.

Shrinkage is an undesirable but inevitable phenomenon which occurs when concrete is exposed to conditions below the saturation and may result into pathological phenomena in buildings. It is one of the main causes of cracking and affect directly to concrete durability.

One of the most prospective studies reporting time-dependent deformations in the loaded and unloaded concrete was the McMillan. From then until today, the shrinkage-creep relationship remains a point of concern from the point of view of theory and structural design

2.5.1 Factors affecting shrinkage

The shrinkage depends on factors such as content of cement paste, water / cement ratio, aggregate characteristics, degree of compaction, time, temperature and humidity of the curing, room temperature, relative humidity, component geometry, additions and additives.

2.5.2 Types of retraction

The principal types of shrinkage, shown in the following are: plastic shrinkage, thermal shrinkage, autogenous shrinkage, drying shrinkage and carbonation shrinkage. The total shrinkage is the sum of various types of retraction: chemical, autogenous, carbonation and drying. Two complex phenomena the water loss and chemical transformations govern them:

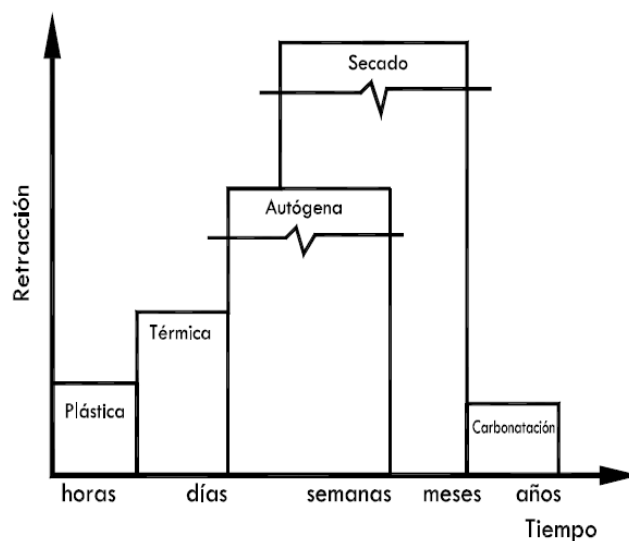


FIGURE 2.3 Shrinkage types

2.5.2.1 Plastic shrinkage

Plastic shrinkage acts during the first hours after pouring the concrete. It is produced by a plastic settlement in fresh concrete. The space between the particles of the concrete is filled with water. This water, tends to go outside and evaporate, reducing the initial volume of the concrete before it sets. No damages are often generated in the concrete, since it still does not have a stiff and quickly accommodates to the new volume.

2.5.2.2 Thermal Shrinkage

It becomes important during the first few days after placement of concrete. During cement hydration, exothermic reactions occur, increasing the temperature of the concrete during the first stage of hydration which makes the paste to dilate. Over time, with hardened concrete, the temperature is regulated to the outside and a contraction known as thermal shrinkage occurs.

2.5.2.3 Chemical Shrinkage or hydration

In some phases of the cement hydration, the final products occupy less volume than the initial products, causing retraction of the hydrated cement paste and concrete result. This deformation also known as Le Chatelier's contraction.

While the cement paste is fluid, chemical shrinkage is completely converted to an external volume change. In other words, the slurry cannot bear the internal gaps created by chemical shrinkage and it contracts.

2.5.2.4 Autogenous Shrinkage

Autogenous shrinkage, includes the sum of chemical and self-drying shrinkage. This decrease in volume is due to water consumption during cement hydration. It occurs in early concrete age and continues while hydration processes that consume water develop.

The volume of the resulting hydration products is smaller than the original volume of anhydrous cement and water, that cause the retraction of the paste and consequently of the concrete. In a concrete of low w / c could happen that there is insufficient water to complete the hydration process, draining the free water which is in the capillary pores. This phenomenon of internal water consumption also called self-drying is the cause, in part, of autogenous shrinkage of the concrete.

Traditionally, autogenous shrinkage has been considered as of secondary importance if normally included within the drying shrinkage, estimated at 5% of the maximum value reached the drying in conventional concretes although in modern high performance mixes employing fillers and water-reducing it can be a dominant influence over cracking.

2.5.2.5 Drying Shrinkage

Drying shrinkage is the most important of all retractions of concrete. It is part of the total retraction and its importance is often considered in the structural calculation. It occurs during long term due to absorbed water loss by evaporation.

This shrinkage phenomenon is complex and involve different mechanisms, and surface tension of the water contained in the pores of the paste governed by pressure the capillarity.

2.5.2.6 Carbonation shrinkage.

It occurs when a certain proportion of cementitious material is unhydrated, it is capable of reacting with the carbon dioxide from the air, producing calcium carbonate. Chemical combination has a contractive character. It decreases its initial volume, generating the so-called carbonation shrinkage.

The carbonation shrinkage strains are very small and negligible, in general, the thickness concerned is small, reaching only a few millimeters in the near surface area in contact with air.

3. EXPERIMENTAL PROGRAM AND METHODOLOGY

3.EXPERIMENTAL PROGRAM AND METHODOLOGY

3.1. Experimental program

The goal of the experimental campaign is to investigate the shrinkage in HPFRCCs (high performance fiber reinforced cementitious composites). The research focuses on the study of the evaluation of autogenous and total shrinkage in the material and how the combination of natural and steel fibers affects them. This is the continuation of an investigation begun by Marco Della Torre who studied retraction in some mixes. The campaign consists on varying the type of fibers and the combination of them, keeping fixed the water / cement and water / binder ratios, and the fiber volume ratio.

The tests conducted in this campaign analysed the dimensional variation of the samples through its longitudinal axis. This length measurement is accompanied by the analysis of the variation in weight of the specimens at the same time. So in relation to both measures the phenomenon of retraction has been analysed. After these 28 days the samples were tested to failure to obtain their resistance.

3.2 Materials

3.2.1 Mix design.

The HPFRCC mix design used in this study was developed by Prof. Ferrara and others. The mix design used for all types of specimens is always the same: only varies the type of fiber used. There were specimens which have only one type of fibers but there were others which used two types of different fibers in the same mix design, but always maintaining unaltered the total ratio equal to 1.28%. The mix design is shown below in *Table 3.1*:

Constituent	Dossage (kg/m ³)
Cement-CEM I /52.5 R	600
Slag	500
Aggregate	983
Water	200
Additive,binder	33 l/m ³
Fiber	Variable

Table 3. 1 - Mix Design HPFRCCs

The mass of fibers is not always the same, it varies because the density of the fibers. The characteristics of the mixture are shown below in *Table 3.2*:

Ratio water/cement (w/c)	0,33
Ratio water/binder (w/b)	0,18
Percent fibers	1,28%

Table 3.2- Parameters representative of the mix design

In the following paragraphs we will talk in more detail about the materials used to manufacture the fiber-reinforced high performance concrete.

3.2.1.1 Cement

It has been used ULTRACEM 52,5 R (as is shown in Figure). It is a Portland cement type I, 52.5 R, with very high resistance and high early strength. According to the standard UNI EN 197-1 it contains 95% clinker and 5% plaster. The compressive strength of the cement used after two days should be higher than 30 MPa and after 28 days should be higher than 52.5 MPa. The composition of this cement is:

Compositiy	%
C ₃ S	65
C ₂ S	11
C ₄ AF	6
C ₃ A	9

Table 3.3-Chemical composition of cement.



Figure 3.1- Cement used

3.2.1.2 Slag

In the mixture is also used a high quantity of slag. The slag used it was type LV 425 and has always been used with dust mask. The chemical analysis of the slag used, is reported in *table 3.4*. Average form size being equal to 12 μm .

Composition	%
SiO_2	39
Al_2O_3	11
Fe_2O_3	0,7
TiO_2	0,55
CaO	37,5
MgO	8,3
Na_2O	0,2
K_2O	0,3
MnO	0,2
C	0,2
S	1

Tabla 3.4- Chemical composition of the slag.

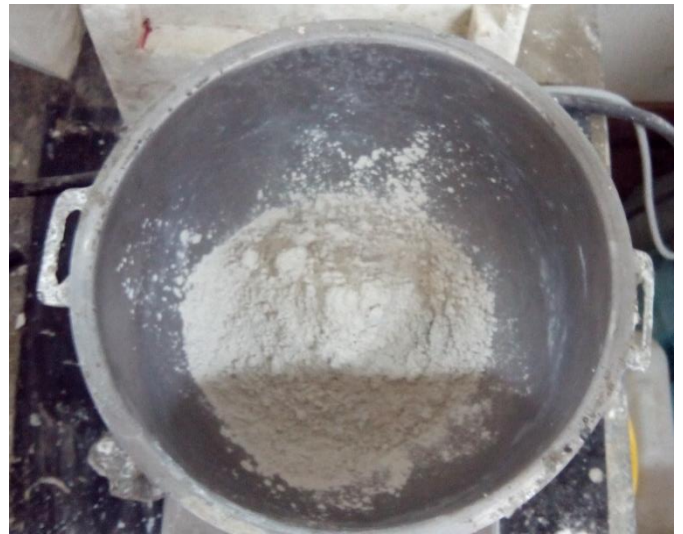


Figure 3.2- Slag

3.2.1.3 Water

Water that has been used in the experiments was tap water. The type of water used can lead to different results according to its chemical composition as it is an essential component for the reaction. That is why it was considered more practical and useful to use tap water instead of distilled water for the extrapolation of the results for the future application on site.



Figure 3.3- Water

3.2.1.4 Sand

For the sand, it has been used a material with a particle size between 0-2 mm. In table 3.6 we can see the granulometry curve of the sand.

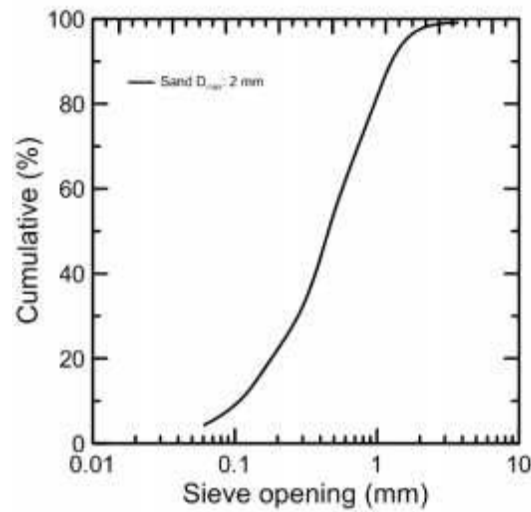


Figure 3.4- Graphic of aggregate curve for the realization of the mortar.



Figure 3.5- storage, sieve #2 and sieved sand

3.2.1.5 Additive super-plasticizer

To obtain a completely consistency, with low ratios of water/cement and water/binder, we have to use a powerful additive super-plasticizer. We have used Ace Glenium 30 Basf brand for the mixture. GLENIUM® ACE 30 is an innovative second generation of polycarboxylic ether polymers superplasticizer.

Initially the amount of binder used would be equal to 33l, but in some mixtures used 40l of binder in order to improve the rheological properties. That was because during the analysis of samples a lower than normal fluidity was noted.



Figure 3.6- Additive.

3.2.2 Fibers

The reason why we use fibers in the concrete is to improve performance and mechanical behavior, which is known as fiber-reinforced concrete. The characterization of the fibers is shown in table 3.5:

Fibers	Density (kg/dm ³)	Cellulose (%)	Hemicellulose (%)	Lignin (%)	D.L ongitudinal (mm)	Section (mm ²)
Steel	7,85	-	-	-	13	0,75
Sisal	1,01	60,5	25,7	12,1	25	0,019
Eucalyptus	1,68	84,5	14,5	-	0,8	0,019
Nanopulp	1,4	96,5	-	-	-	-
Nanopowder	1,5	98,7	-	-	-	0,015

Tabla 3.5 Characterization of the fibers

In Table 3.6 is shown the amount of fibers used in the samples for volume equal to 1.28%:

Fiber	Quantity (kg/m ³)
Steel	100
Sisal	14,1
Eucalyptus	21,4
Nanopulp	186
Nanopowder	17,8

Table 3.6- Amount of fibers in relation to volume

Below are shown the various combinations of fibers taken in consideration which we have carried out and studied.

3.2.2.1 Steel

The steel fibers used have the following characteristics: length (l_f) of 13 mm and a diameter (d_f) of 0.16 mm. The relation l_f/d_f is approximately 81 %, so they can be classified as micro-fibers. The fibers are made by Bekaert® and the minimum tensile strength of single fiber is equal to 2000 MPa.

3.2.2.2 Sisal

The Sisal fibers used in this study were obtained from sisal plants cultivated in farms located in the Bahia state (Brazil).

In the experimental campaign we have used these fibers with hygrometric characteristics under normal environmental conditions and also saturated. For complete absorption of the fibers, it is recommendable to leave in solution for at least one hour.

3.2.2.3 Eucalyptus

The eucalyptus micro fibers used in this study were manufactured by SUZANO-Brazil. The eucalyptus micro fibers were extracted by kraft pulping method and bleached treatment. The length of the fibers was 0.8 mm. The eucalyptus fiber has tubular shape with a hollow internal cavity, i.e. the lumen, a typical feature of plant fibers, oval cross section and thick wall.

3.2.2.4 Nanopulp

The cellulose nanopulp microfibers used in this study were manufactured by SUZANO-Brazil. Accordingly, the nanopulp fibers have a nominal diameter between 20 and 50 nm and a density of 1.4 kg/dm³. The concentration of solids is 1.5% per liter, (15g of nano fibers per liter of suspension). Regardless of the source, in an aqueous environment, the rheological properties of the nanopulp suspension can be described in terms of pseudoplasticity and shear thinning behavior. The presence of fibers in aqueous suspension the mix design modifies to be used. In fact it has the presence of free water together with the fibers and such water alters the water / cement ratios. To keep the relationship w / c constants for all research, therefore the amount of water had to be adjusted for hydration of the cement.

3.2.2.5 Nanopowder

The fibers Nano powder use in that study was manufactured by Sigma from Brasil. Are called Sigmacell Cellulose type 20, that means that has a particle size of 20 μm . Whenever these fibers were handled it has been used a dust mask.

3.3 Experimental campaign

3.3.1 Mix Design

As already mentioned before, this work is part of a study already started by Marco Della Torre. In the whole project 5 fiber materials have been studied: steel, sisal, eucalyptus, nanopulp and nanopowder. In total, there have been studied 14 fiber mixes over the reference (which has not any fiber). The mixes are:

I. Reference

II. Steel

III. Sisal

a. Saturated

b. Environmental hydrothermal conditions

IV. Eucalyptus

V. Nano pulp

VI Powder

VII Steel+Sisal

a. Saturated

b. Environmental hydrothermal conditions

VIII Steel+Eucalyptus

IX Steel+ Nanopulp

X Steel + Powder

XI Sisal+ Eucalyptus

XII Sisal + Nanopulp

XIII Sisal +Powder

The dosage used to produce the concrete is:

Mix	Dosage									
	Cement	Slag	Aggregate	Water	Additive	Steel	Sisal	Eucalyptus	Nanopulp	Powder
I	600	500	1000	200	33					
II	600	500	983	200	40	100				
III.a	600	500	983	200	40		14,1			
III.b	600	500	983	200	40		14,1			
IV	600	500	983	200	40			21,4		
V	600	500	983	13	40				186	
VI	600	500	983	200	45					17,8
VII.a	600	500	983	200	40	50	7,05			
VII.b	600	500	983	200	40	50	7,05			
VII	600	500	983	200	40	50		10,7		
IX	600	500	983	107	40	50			93	
X	600	500	983	200	50	50				8,9
XI	600	500	983	200	40		7,05	10,7		
XII	600	500	983	107	40		7,05		93	
XIII	600	500	983	200	50		7,05			8,9

Table 3.8 Mix for the shrinkage campaign

Having available all these fibers of different shape and size, it has come to achieve a mix amount of different design involving the use of fibers alone or mixed together. Below (Table 4.7) are plotted the various combinations of fibers taken into consideration which have then actually have been made and studied.

Fibers	% Volume
Steel	1,28
Sisal Saturated	1,28
Sisal not saturated	1,28
Steel + Sisal not saturated	0,64+0,64
Sisal not saturated + Eucalyptus	0,64,+0,64
Sisal not saturated + Nanopulp	1,18+0,1
Sisal not saturated + Nanopowder	0,64+0,64

Table 3.9- Different combinations of fibers and their percentage of the volume

3.3.1.1 Methodology

In the next paragraphs we will talk about the methodology that has been carried out in the experimental campaign.

The protocol followed for making the test samples was followed first by Marco Della Torre. This was inspired by the one proposed by Haist and Ferrara that have conducted research on rheological HPFRCCs steel fibers in different qualities. It can be summarized in the following six steps listed below:

Process	Activity	Velocity	Time
Phase 1	Mix cement with slag	50 rpm	1 min
Phase 2	Add water and additive	50 rpm	1 min
Phase 3	Mix cement paste	50 rpm	5 min
Phase 4	Add the mixed fine particles	50 rpm	2 min
Phase 5	Mortar mix	100 rpm	5 min
Phase 6	Add the fibers	50 rpm	2,5 min
Phase 7	Mix high-strength concrete	100 rpm	5 min
TOTAL			21,5 min

Table 3.10- Outline of the process

The protocol described involves mixing cement with the slag for 1 minute at a velocity of 50 rpm. Then the water together with the additive is added during one minute, and mixing is continued for 5 minutes, maintaining the velocity at 50 rpm. Fine aggregates are added during 2 minutes and the velocity is increased to 100 rpm mixing mortar for 5 minutes. The velocity is reduced to 50 rpm to add the fibers for 2 and a half minutes. In this phase it has been changed the protocol followed by Haist because it recommended to add the fibers at a speed of 100 rpm but if we do that we could not obtain a homogeneous mixture, minimize the waste of material and safety issues. That is why it has been limited rotation speed of the mixing blade to 50 rpm. Finally HPFRCCs is mixed for 5 minutes.

The mixer used for the realization of the samples is a mixer planetary Controls with single blade of stainless steel. The container has a capacity of 1.2 liters. The mixer can work with 7 different velocities, but we only have used two of them.



Figure 3.12 Mixer Controls

For each mix material held there have been six samples. Three of them for the study of autogenous shrinkage and three for studying of the total shrinkage. The molds used (are shown in the figure 3.13) consists of three compartments, measures 40x40x160mm. Each compartment has a capacity of 0.256 liters so for each mold we need 0.768 liters of material. That is why for each mix we



have made two "cast".

Figure 3.13- Three compartments mold

3.3.1.2 Making the samples

Once made, the concrete, is poured into the metal mold compartments, following the procedures established by the standards. The compartments, as mentioned above have a size of 40x40x160 mm, have in their sides metallic bolts screwed. Before proceeding with poured, to facilitate the removal is applied a oil to disarming the inner edges of the mold. But with special care not to apply it on the metal screws because that could affect later in the taking of measurements of the shrinkage.

Once we applied the oil we can start with the pouring. First molds are filled by a half and press the paste against the screw, bolts are covered with the concrete material. In that way the adhesion of the concrete is ensured. And placed on a vibrating table as shown in the image and vibrated 60 times a minute, that is, every second.



Figure 3.14- Vibrating table

After vibrated, the three compartments of the mold are filled completely and it is vibrated again in the same way as above, 60 times a minute. Later, the mold is left in a room at 90% humidity and a temperature of 20 ° which will be undisturbed for about 24 hours successive. It is covered with a glass on which also disarming **after** was applied.



Figure 3.15- Glass covering the mold

After a day, the molds are disassembled. As discussed above were used to measure three of them autogenous shrinkage; they were wrapped in aluminium foil that is to minimize the loss of water. The other three specimens were left normal in these drying shrinkage study.

3.3.2 Study of the concrete shrinkage.

To study the shrinkage of concrete for each mixture 6 samples were cast. Three of them are intended to study the autogenous shrinkage and the other three for the total retraction. For the analysis was measured the linear variation of the specimens in their longitudinal dimension and simultaneously measured the sample weight.

For the correct analysis we have been taken measurements for 28 days. The change in volume is higher in the first days so the frequency of taking measures depends on the time from casting. The first and second day is recommended to take the measures every 30 minutes. Next two days each hour. Until the first 10 days measures every 2-4 hours were taken. And for the rest of the 28 days two measurements a day were taken.

To know the weight variation we used a precision balance. This has an accuracy equal to one hundredth of a gram.



Figure 3.16- Precision balance

Once the weight is obtained mass variation of the specimens is calculated. This is done in reference to the starting weight (m_0) and is represented in percentage (annex 3, annex 4):

$$Mi(t) = \frac{m_i(t) - m_0}{m_0} * 100$$

Being,

M_i percentage change in the mass

m_i the mass at the time i

m_0 the initial mass

To know the longitudinal variation in the samples it has been used a lineal extensometer. This apparatus allows to measure the axial variation due to shrinkage of the concrete by the autogenous and total shrinkage. The machine provides the variation with respect to a reference value obtained by knowing the spacer calibration measure. The black spacer has a length of 160mm. So, the measures that we get are not an absolute value, are relatives. The extensometer has a scale factor of 0,001mm so it can measure up to an accuracy of microns.

All measurements are referenced to the first value obtained once after 24 hours the mixture was made. To measure the contraction first it is necessary to obtain the linear variation over time:

$$L(t) = L_i(t) - L_0$$

where,

L is the linear variation

L_i is the length in the given time

L_0 is the initial length

Once we know the linear variation we will calculate the deformation suffering in the specimens. This is equal to the ratio between the lineal variation and the total length (annex 1, annex 2):

$$\varepsilon = \frac{\Delta L(t)}{L_{tot}}$$

where,

ε strain

ΔL Linear variation .

L_{tot} is the total length of the specimen



Figure 3.17- Extensometer

The position of the samples in the apparatus must be always the same. For this reason we mark the samples in the first measurement so in futures measurements we can positioned in the same way. After placing the specimen and before writing the value, it is good to rotate the specimen, if any variation does not occur in the value, or the variation is as much of ± 0.001 mm is should be realized. If the variation is higher should realign the instrument. The measurement is aleemid as acceptable happens very often especially when it rotated the sample.

3.3.3 Mechanical testing. Bending and compression test

Once past the 28 days from the production of the specimens are subjected to mechanical testing. UNI EN 1015-11: 2001 specifies a method for determining the resistance to bending and compression of the samples. The bending strength is obtained by subjecting the sample to three point bending until failure. Compressive strength is determined by subjecting to compression the two parts obtained from the bending test.

The equipment used for carrying out the tests is a hydraulic press, METROCOM brand. This consists of a part where is doing the bending test and a square press where compression test is performed.



Figure 3.18- Hydraulic press METROCOM



Figure 3.19- Compression test

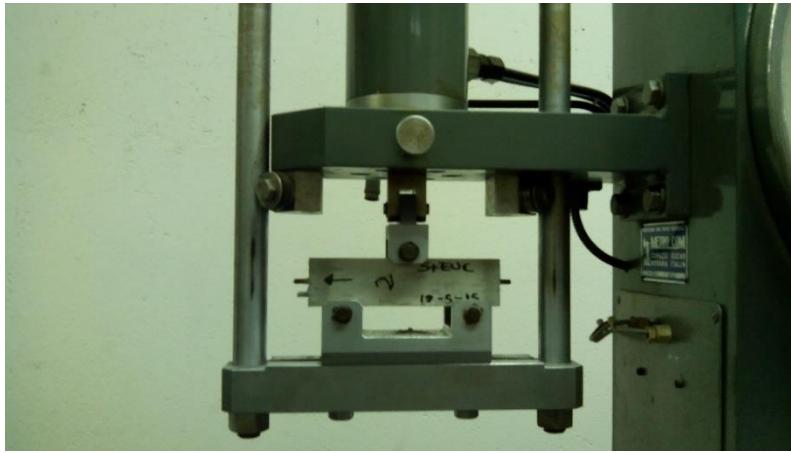


Figure 3.20- 3 point bending test

When the load is applied is important to maintain a constant velocity between 50 N/s and 100 N/s to obtain rupture between 30 and 90 seconds. When we are calculating the resistance, we should be aware that the machinery expressed in kg loads instead of KN. Once the load applied arrive at break, the sample is broken in two pieces on each test will be held in compression.

The normative suggests to calculate the bending strength, using the following equation:

$$f = 1.5 * \frac{F * l}{b * d^2}$$

Where,

F is the strength applied

l is the distance between the two bearing

b length of the base section

d length of the section height

To determine the compressive stress is calculated as the applied force per unit area:

$$\sigma_c = \frac{f_c}{a * b}$$

In the next chapter the results of the tests are shown.

4. ANALYSIS AND DISCUSSION OF THE EXPERIMENTAL RESULTS

4. ANALYSIS AND DISCUSSION OF THE EXPERIMENTAL RESULTS

4.1 Study of the concrete shrinkage.

4.1.1 Autogenous shrinkage

Three of the six samples for each mix design were used for evaluation of autogenous shrinkage. These specimens after 24 hours in a room with a humidity of 90% and a temperature of 20 ° C, wrapped in aluminium foil to prevent hygrometric and thermic variations occur in the samples.

In the figure we can observe the autogenous deformation over time that occurred in each mixture:

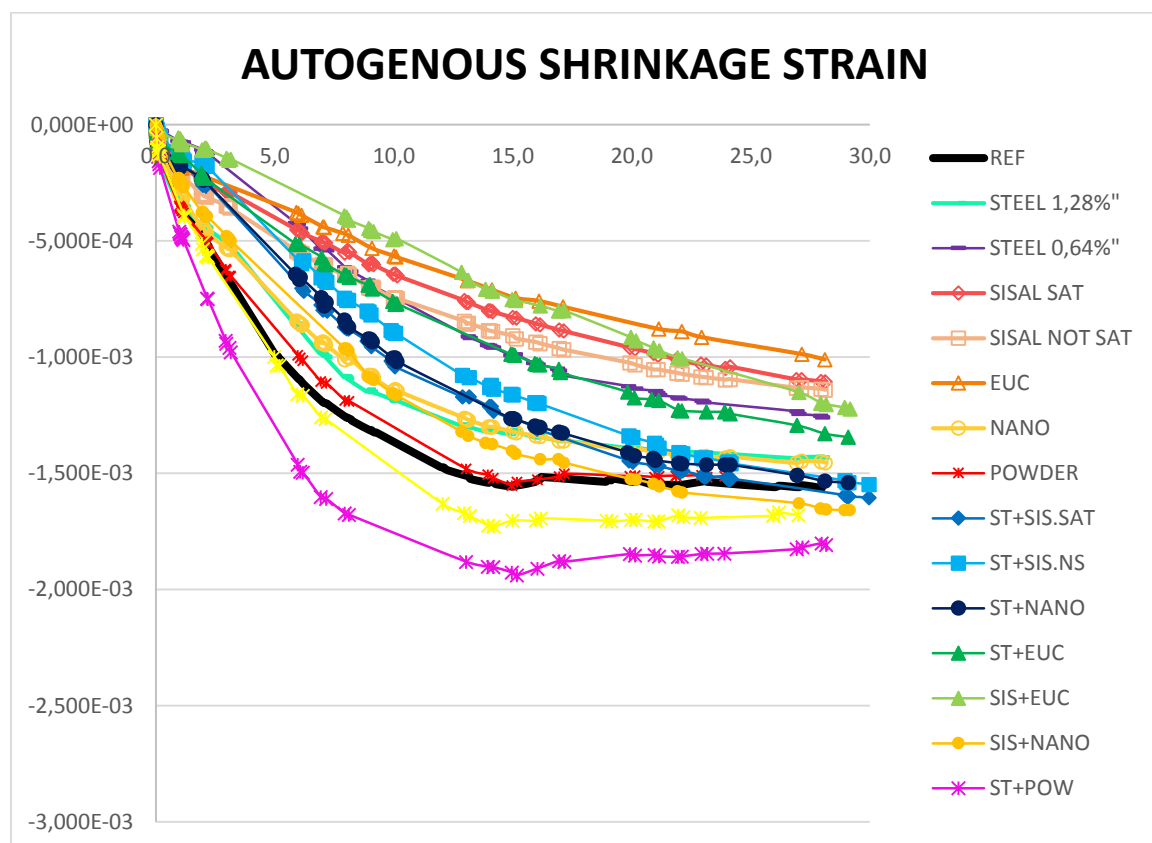


Figure 4.1- Graphic of autogenous shrinkage strain(lineal scale)

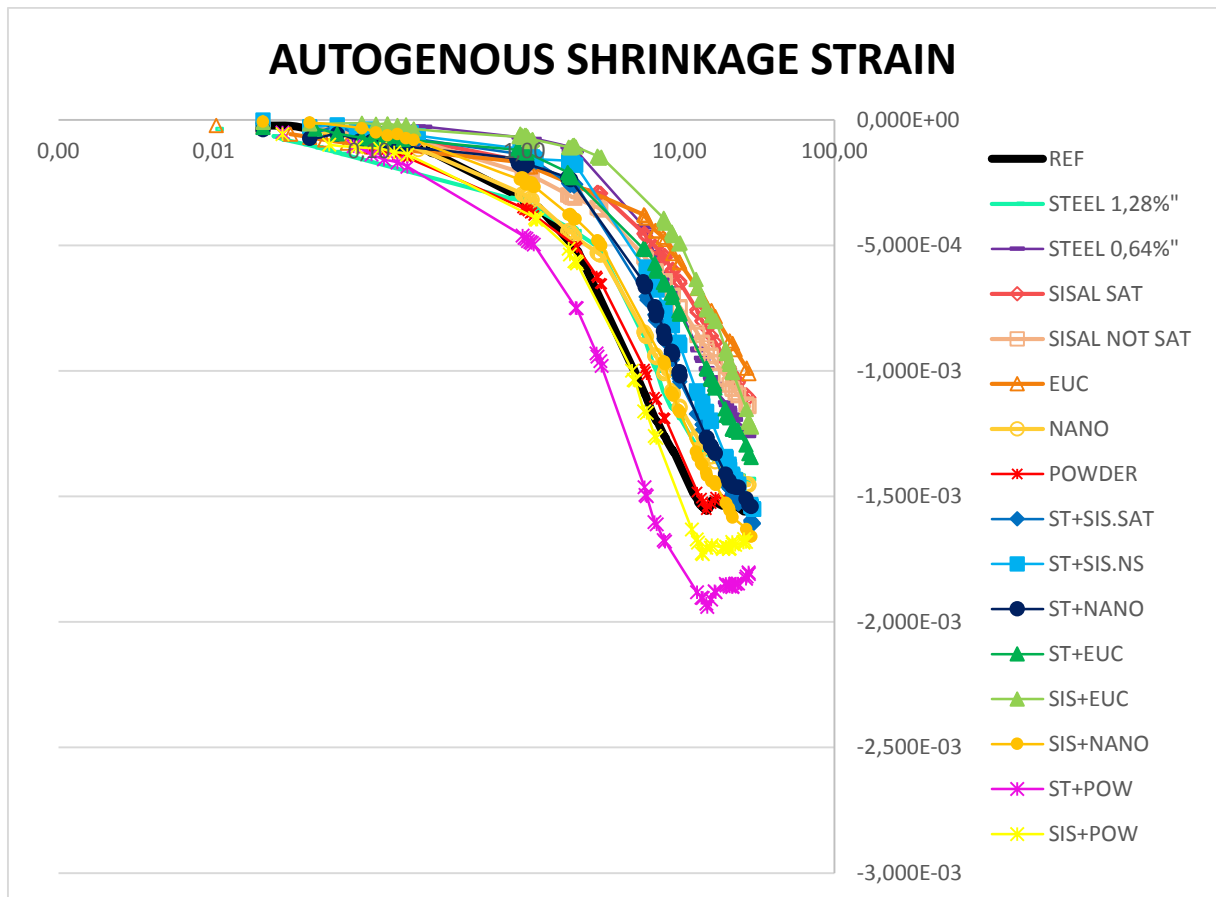


Figure 4.2- Graphic of autogenous shrinkage strain (logarithmic scale)

Autogenous shrinkage is more marked in those samples where the Powder is combined with Steel or Sisal, being lower when combined with the Steel fibers. When the Powder is alone it follows almost the same pattern as the Reference sample. The Steel 1.28% and the nanopulp when are not combined with others materials show the same trend. However the Steel 0.64% has a very similar behavior to steel combined with eucalyptus. The combination of Nanopulp with steel coincides in many points with the steel combined with the saturated sisal, and have a very similar behavior when combined sisal and nanopul, which itself is quite similar to the reference sample. Sisal combined with eucalyptus has a fairly linear trend and considerably reduces autogenous shrinkage. Sisal combined with eucalyptus has a fairly linear trend and considerably reduces autogenous shrinkage. Sisal saturated and unsaturated combined with the eucalyptus have quite the same behavior and reduce shrinkage being eucalyptus the most.

All samples were weighed after measuring its longitudinal variation so that their weight loss is known. This accumulated weight variation should be less than 0.5%, if this is not the case, could not give valid results.

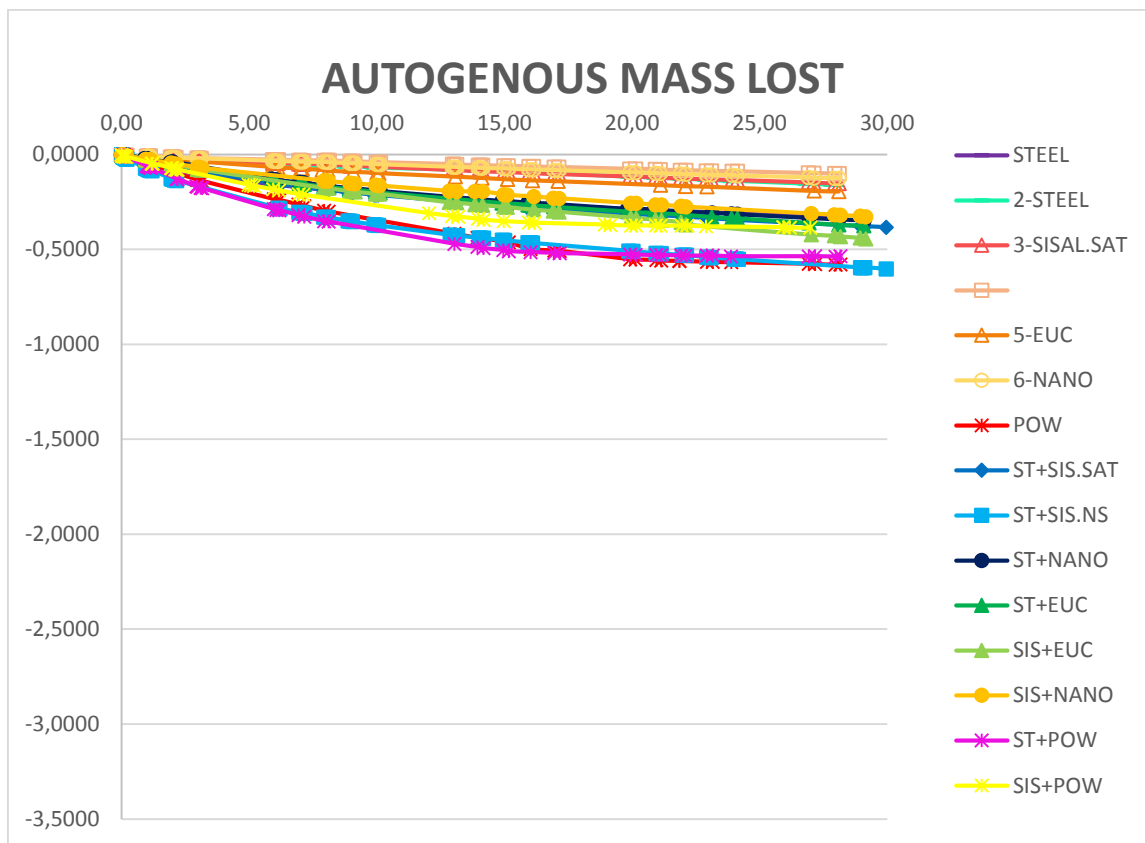


Figure 4.3- Graphic of autogenous mass lost (lineal scale)

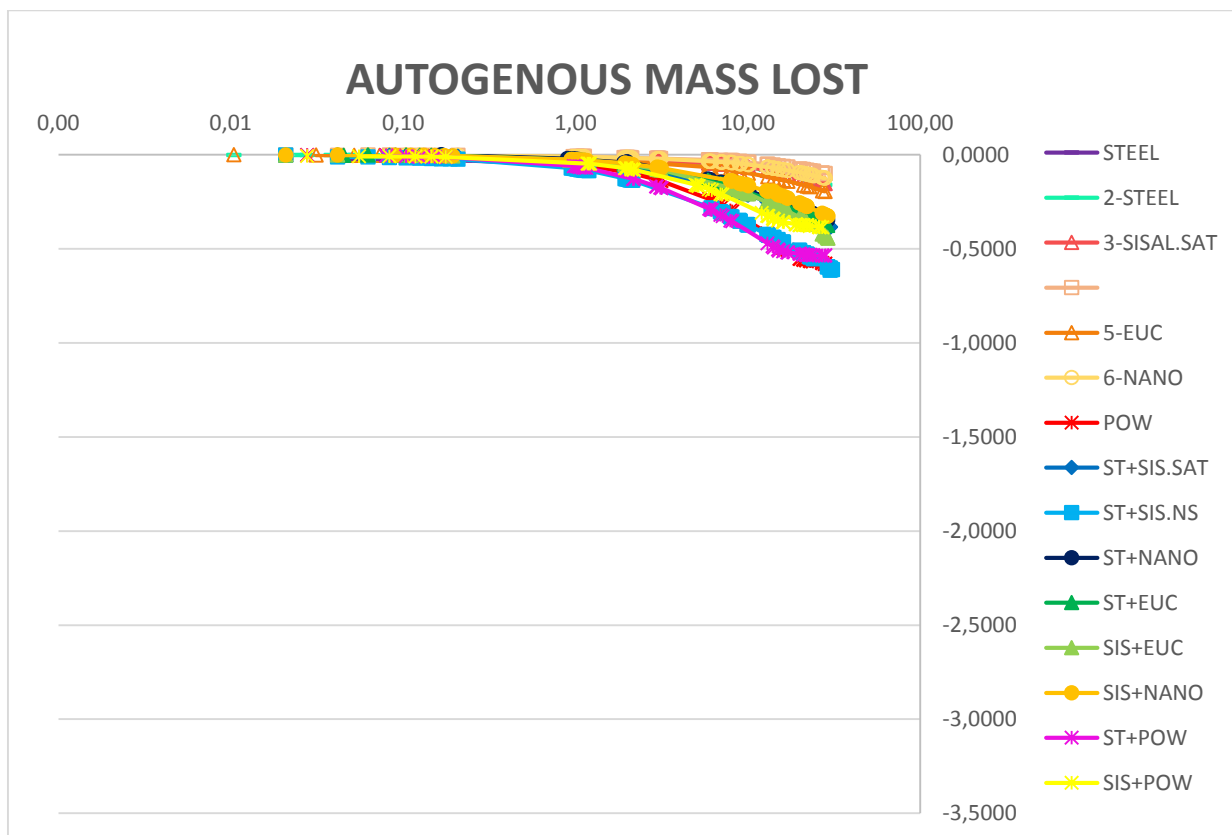


Figure 4.4- Graphic of autogenous mass lost (logarithmic scale)

The percentage of autogenous shrinkage over time is shown in the table:

	1st week	2nd week	3th week	4th week
I	76,43	98,54	99,47	100
II	69,00	91,85	97,96	100
III.a	45,76	72,32	89,64	100
III.b	52,92	77,55	92,34	100
IV	43,51	70,31	87,01	100
V	64,33	89,40	96,99	100
VI	74,68	102,09	101,53	1000
VII.a	50,07	76,08	91,76	100
VII.b	42,86	73,88	90,07	100
VII	44,83	74,29	89,18	100
IX	50,82	82,47	94,97	100
X	89,09	105,30	102,76	100
XI	32,53	59,52	80,80	100
XII	58,11	83,02	93,96	100
XIII	75,34	102,85	101,49	100

Table 4.1- Percentage of autogenous shrinkage over the time

In figure 4.5 are

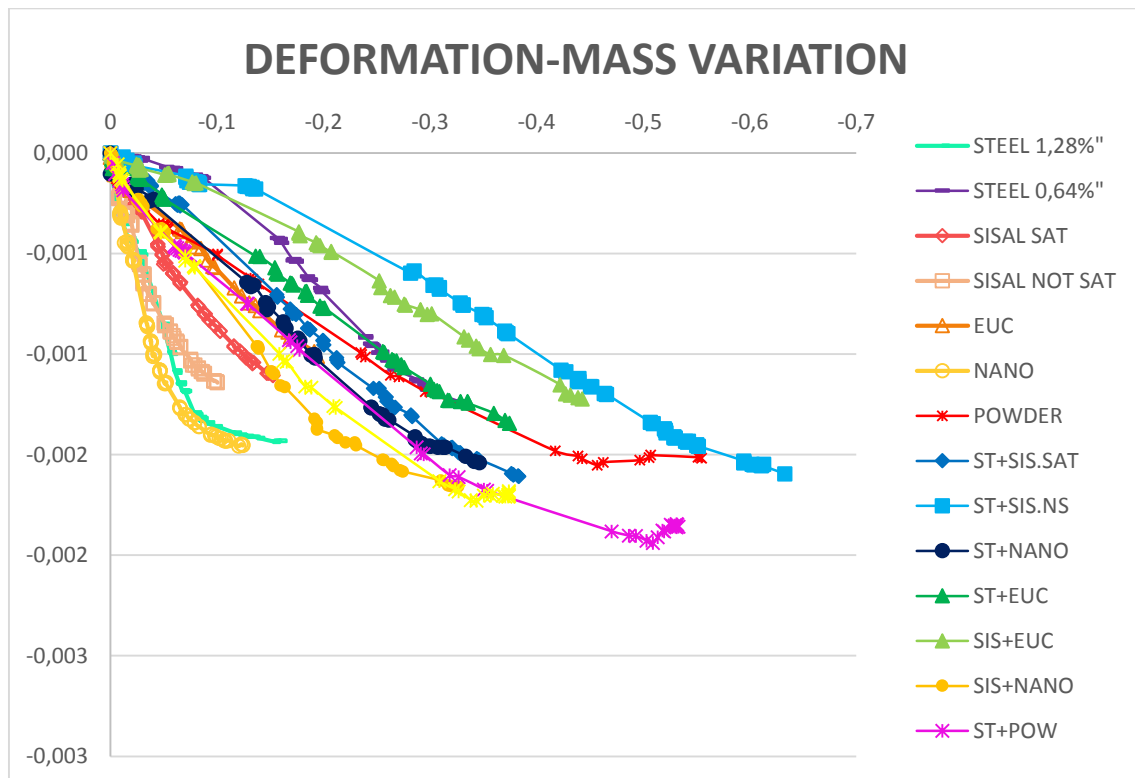


Figure 4.5- Graphic of autogenous deformation- mass variation

4.1.2 Total shrinkage

The specimens used to analyse the total shrinkage after 24 hours in one room with 90% humidity and 20° C temperature, have been remained in other room at 20 ° C and 50% relative humidity so that we can evaluate the humidity content and samples exchange with the environment.

In the figure we can observe the total deformation over time that occurred in each mixture:

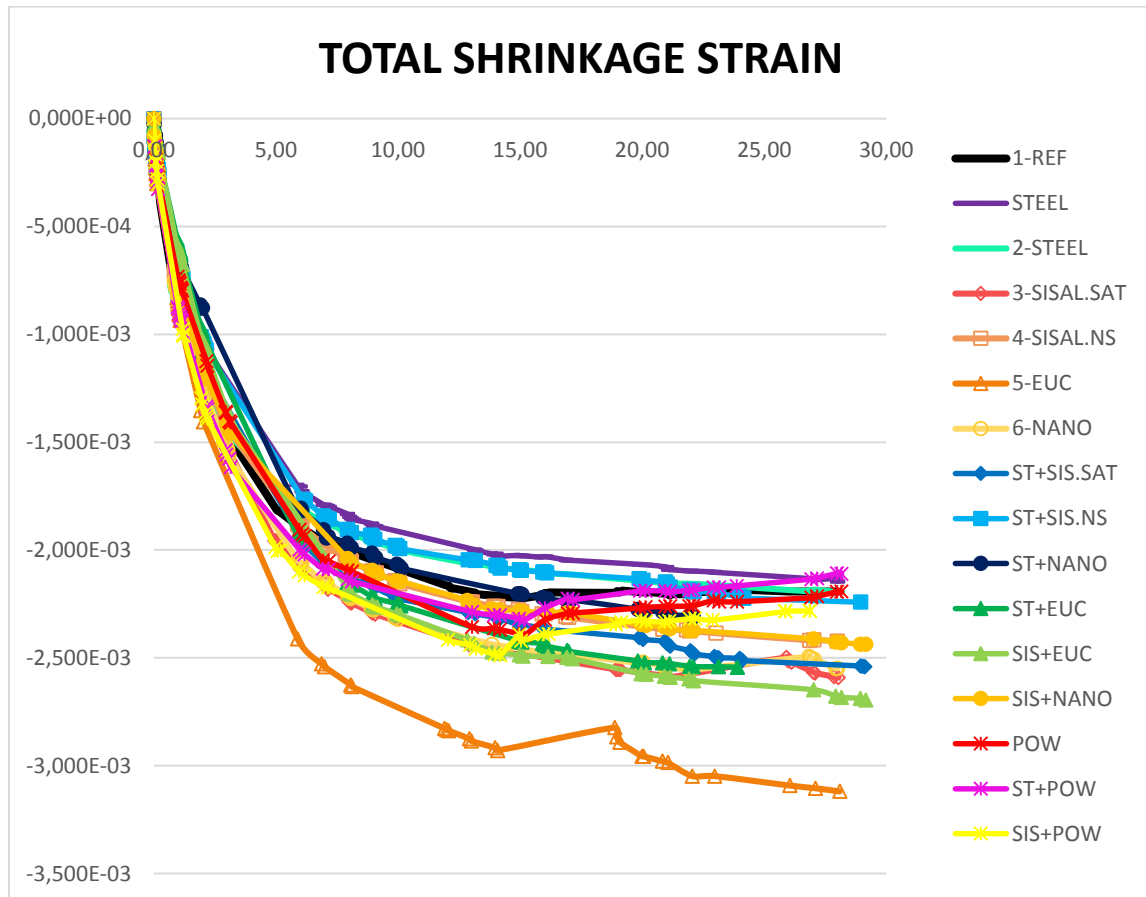


Figure 4.6- Graphic of total shrinkage strain (lineal scale)

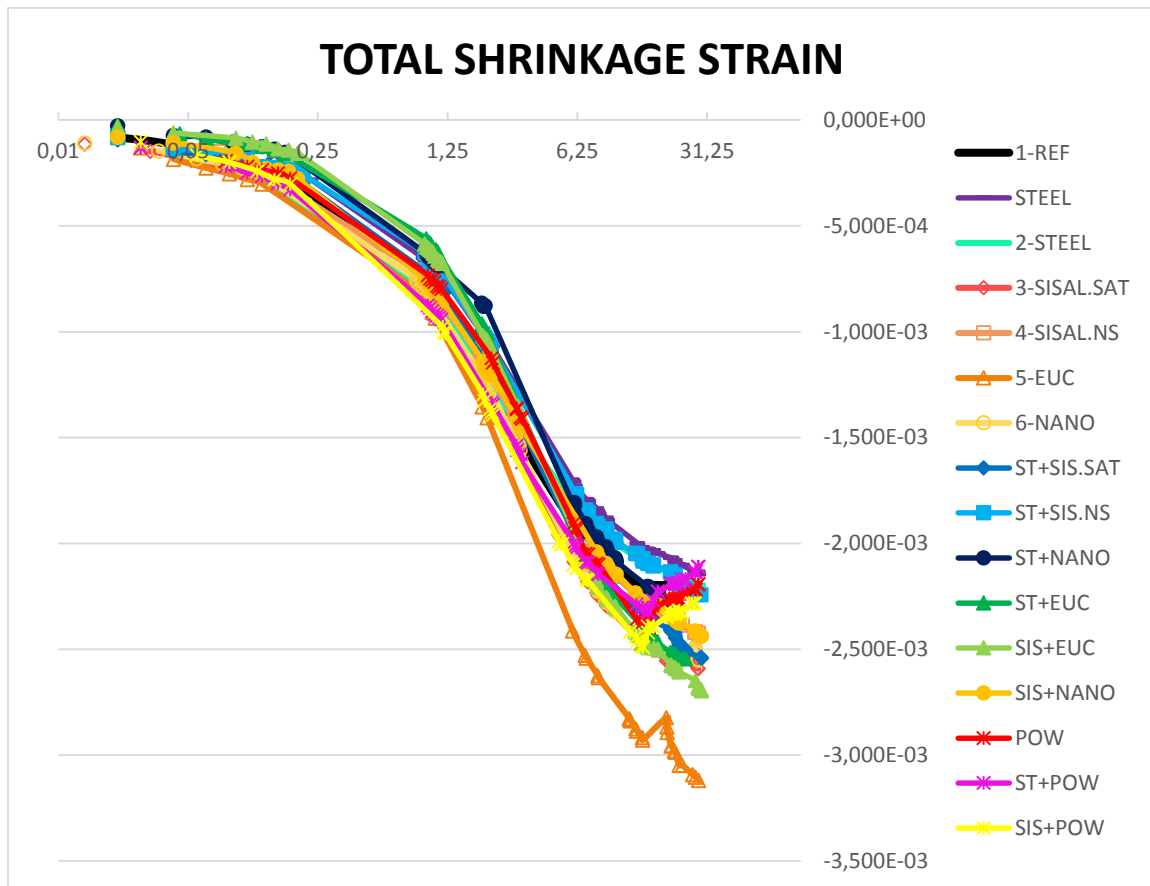


Figure 4.7- Graphic of total shrinkage strain (logarithmic scale)

It can be seen as the steel 1,28% as steel 0.64% have been reported the lower shrinkage behaviour, almost identical. These are very similar to the Steel combined with the Non Saturated Sisal and the Reference sample. The Nanopulp has a very similar behavior when acting alone when is combined with Sisal. But the shrinkage is reduced and is very close to the Reference, when is combined with Steel. The saturated sisal has a bit higher shrinkage than sisal unsaturated, but this is reduced when is combined with Steel, a little in the case of sisal unsaturated which is less than that of reference. Sisal saturated is above the reference sample. Eucalyptus when acting alone suffers the higher contraction, when combined with sisal or steel is reduced shrinkage. The samples which has Powder fibers have a very similar behaviour which have a similar trend than Eucalyptus combined with steel or sisal.

All samples were also weighed after measuring its longitudinal variation to know their weight loss.

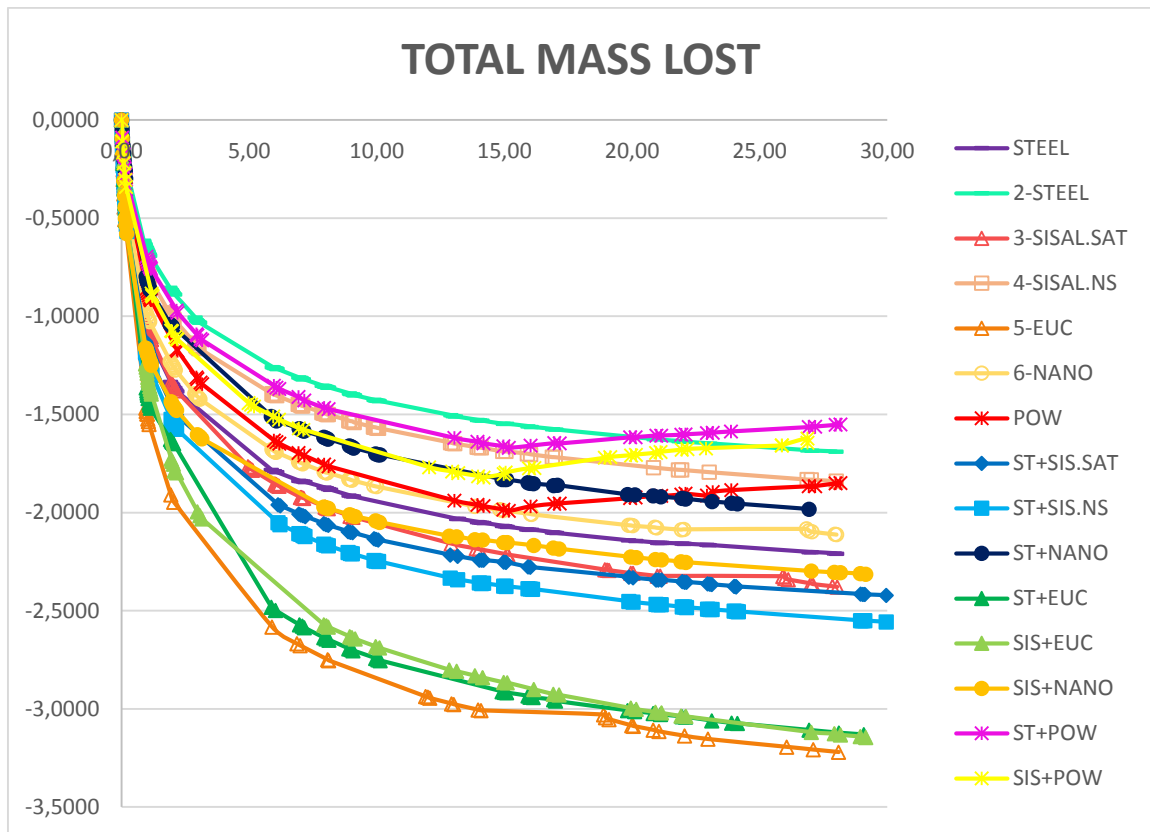


Figure 4.8- Graphic of total mass lost (lineal scale)

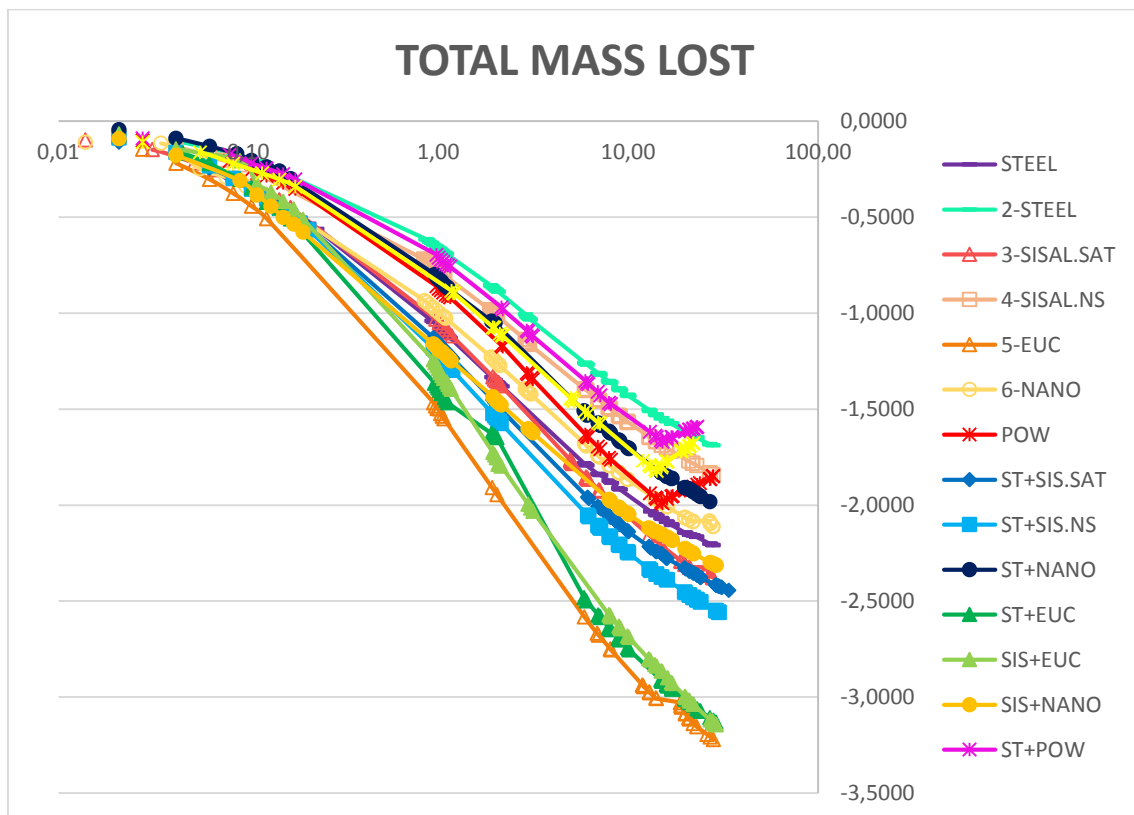


Figure 4.9- Graphic of total mass lost (logarithmic scale)

The percentage of total shrinkage over time is shown in the table:

	1st week	2nd week	3th week	4th week
I	89,54	98,8	98,90	100
II	85,45	94,59	98,19	100
III.a	83,28	95,18	99,76	100
III.b	81,59	93,38	97,85	100
IV	81,50	93,92	95,72	100
V	83,75	95,53	99,59	100
VI	93,63	108,08	103,14	100
VII.a	81,61	91,13	95,97	100
VII.b	82,53	92,38	96,28	100
VII	79,12	93,33	97,43	100
IX	83,38	94,46	98,66	100
X	99,01	109,08	103,95	100
XI	81,06	92,39	96,51	100
XII	83,96	93,73	97,34	100
XIII	95,34	109,13	102,10	100

Table 4.2- Percentage of total shrinkage over the time

The figure shows how the trend of contraction is connected with axial weight loss and then to the migration of the humidity contained in the specimen towards the outside.

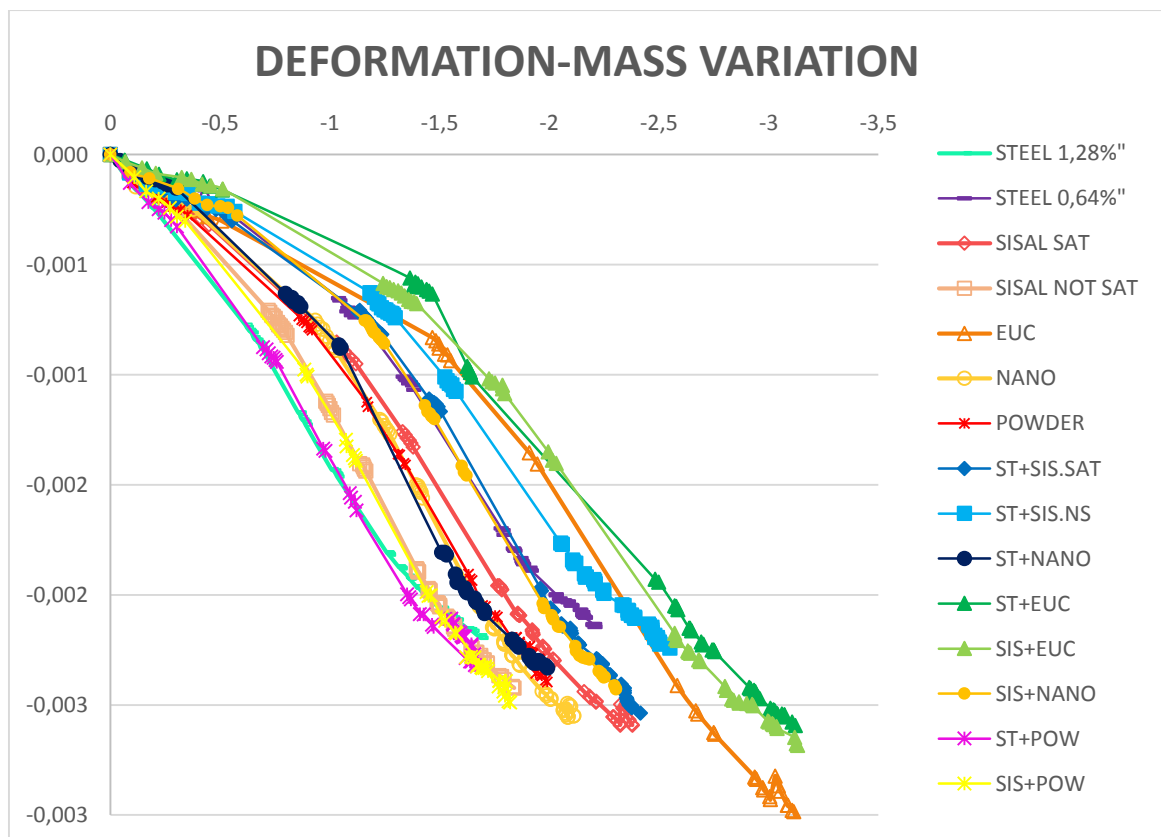


Figure 4.10- Graphic of autogenous deformation- mass variation

4.1.3 Dry shrinkage

Drying shrinkage can be obtained by subtracting the autogenous shrinkage to total shrinkage. In the samples in which total retraction is measuring, actually is also producing the phenomena of autogenous shrinkage due to the chemical process suffers from cement hydration.

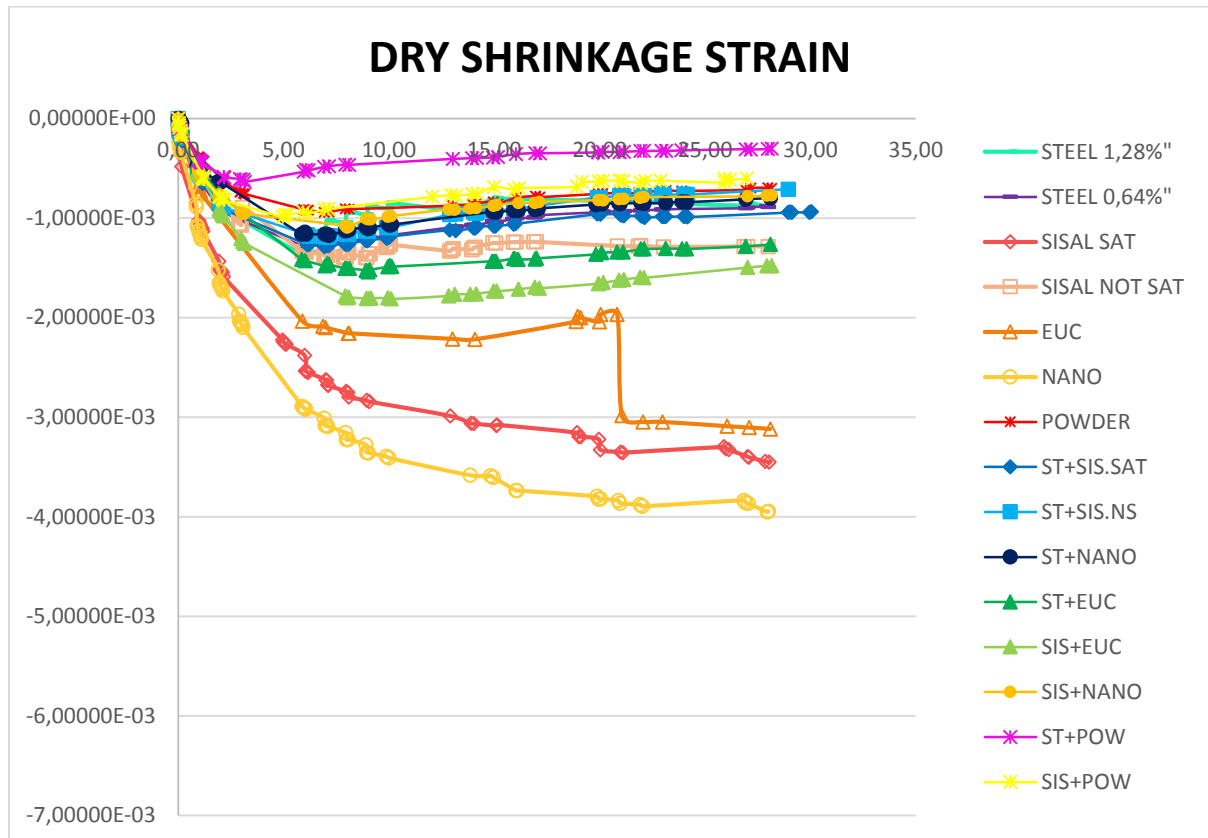


Figure 4.11- Graphic of dry shrinkage strain

Below each material is analysed in more detail.

4.2 Steel

4.2.1 Steel

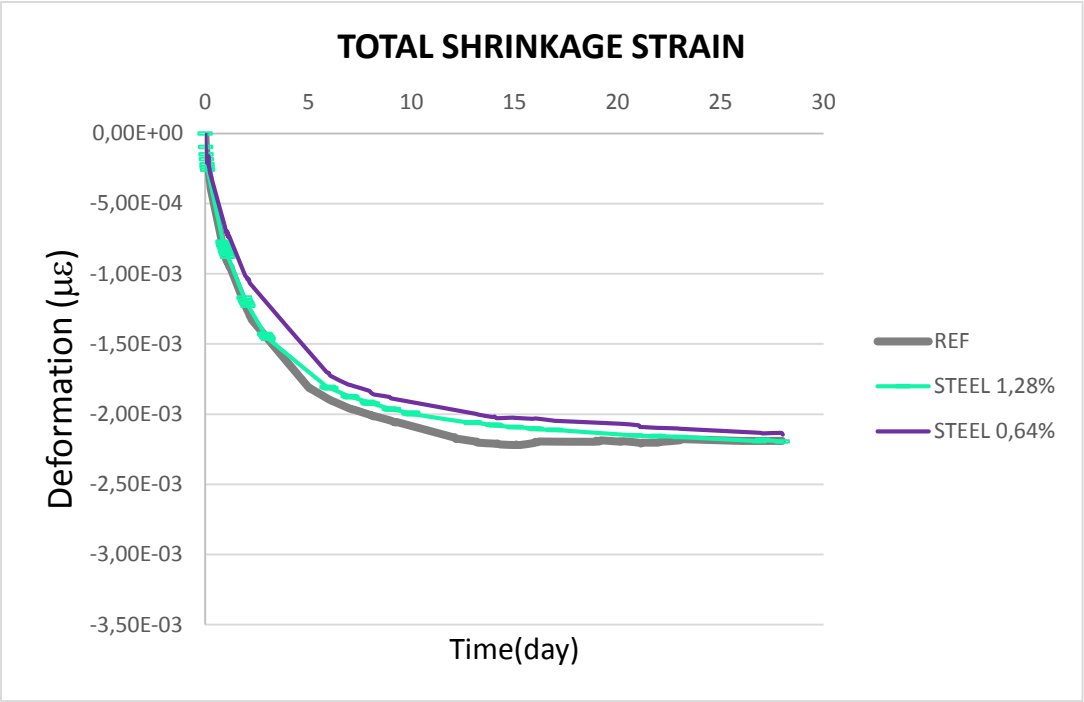


Figure 4.13- Graphic of steel total shrinkage strain. Reference, steel 0,64%, steel 1,28%.

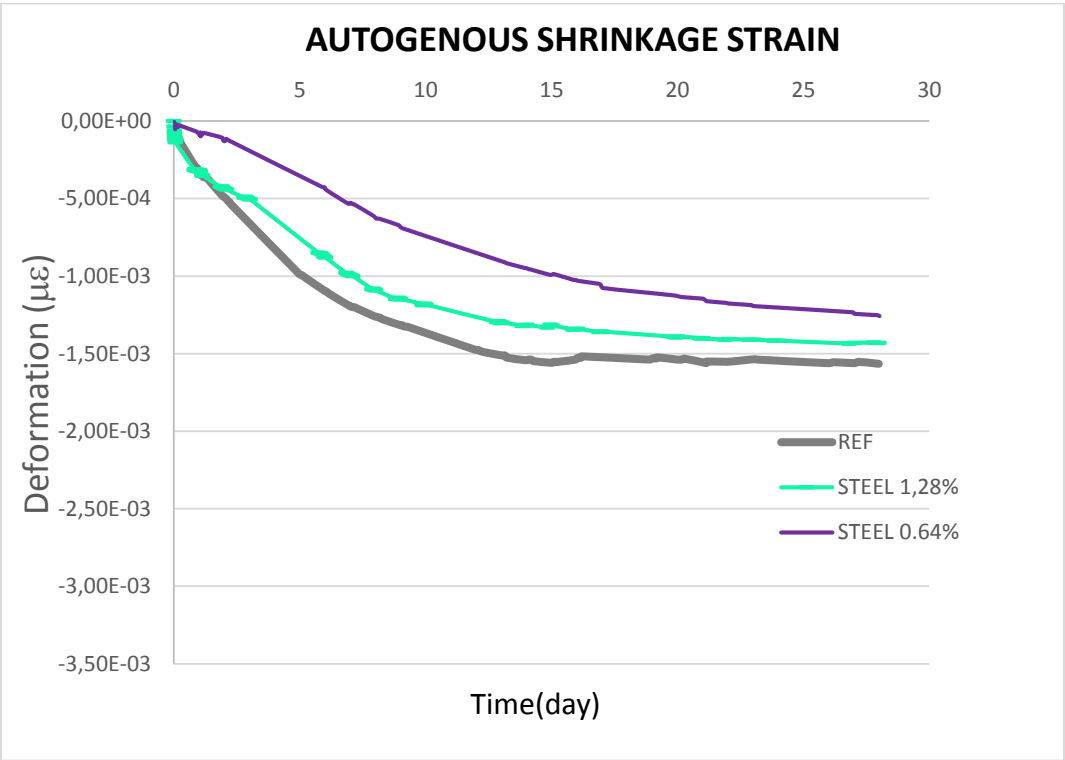


Figure 4.14- Graphic of steel autogenous shrinkage strain. Reference, steel 0,64%, steel 1,28%.

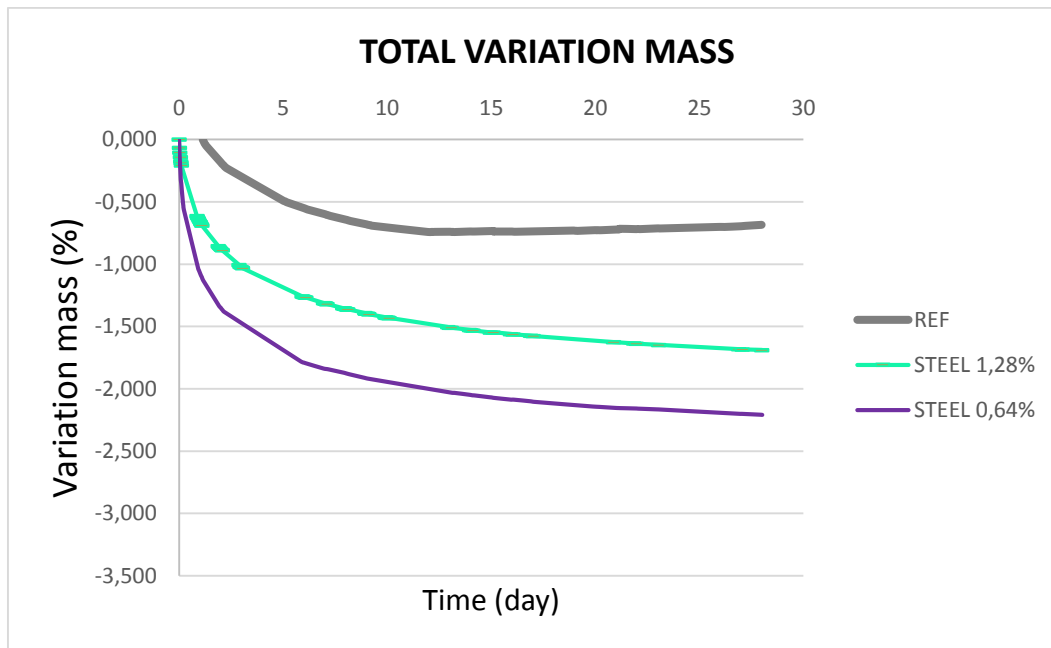


Figure 4.15- Graphic of steel total shrinkage strain. Reference, steel 0,64%, steel 1,28%.

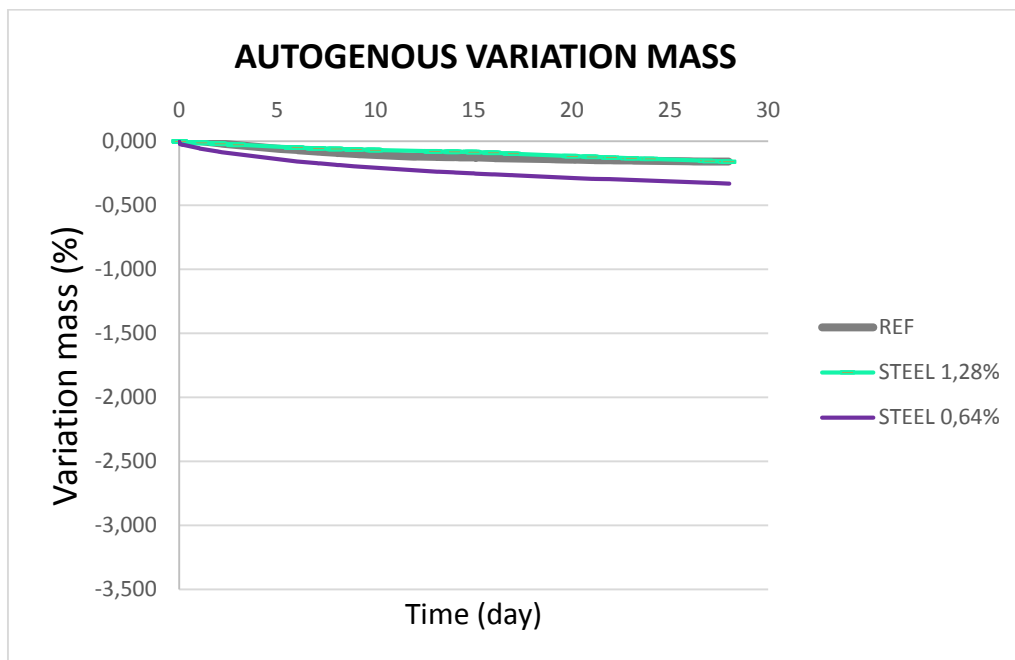


Figure 4.16- Graphic of steel total shrinkage strain. Reference, steel 0,64%, steel 1,28%.

In figure 4.13 it shown the steel 1,28% and steel 0,64% compared with the reference specimens. It can be observed than have a similar behaviour on total shrinkage strain. Autogenous shrinkage is less in steel 0,64%(figure 4,14) than steel 1,28%. Respect variation mass (figure 4.15, Figure 4.16) total variation has more differences between steel 1,28%, steel 0,64% and the reference than autogenous variation mass. In variation mass in total is 1,5% higher in steel 1,28% and 1% in steel 0,64% than reference. Autogenous variation have almost the same loss between in the 3 materials.

4.2.2 Sisal saturated

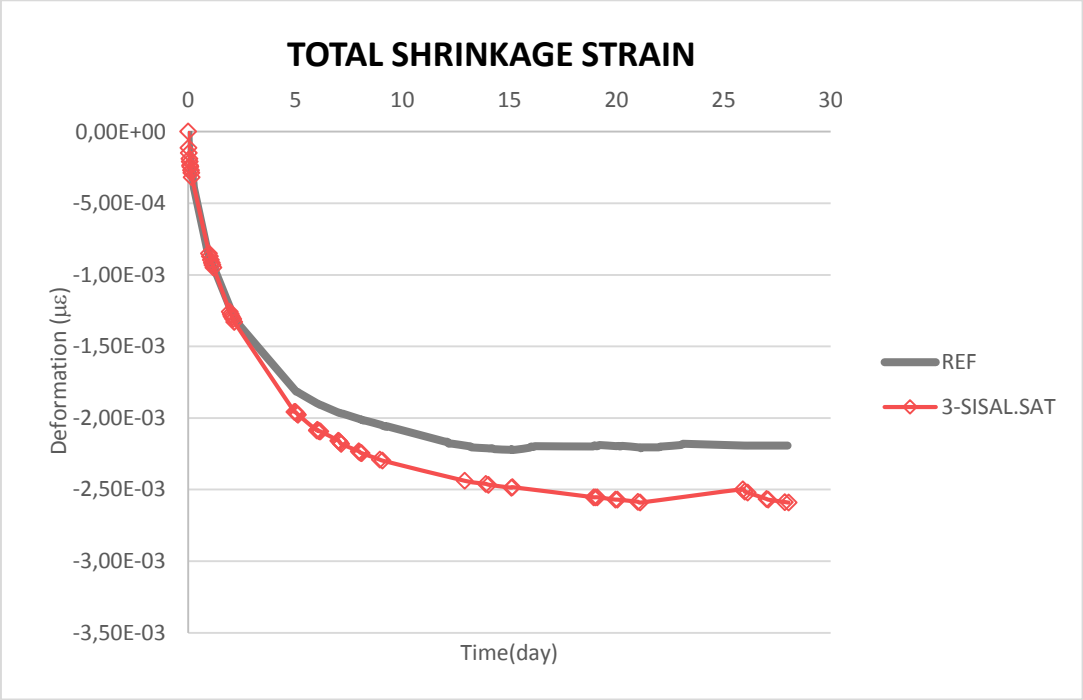


Figure 4.17- Graphic of total shrinkage strain. Reference, sisal saturated.

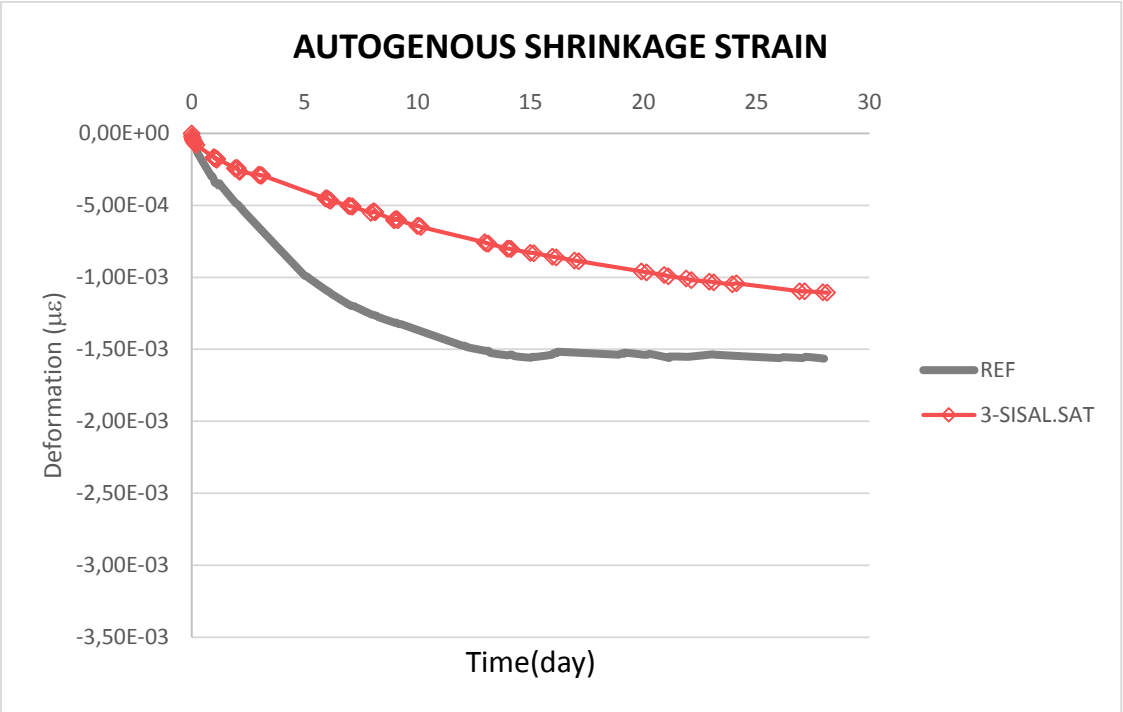


Figure 4.18- Graphic of autogenous shrinkage strain. Reference, sisal saturated.

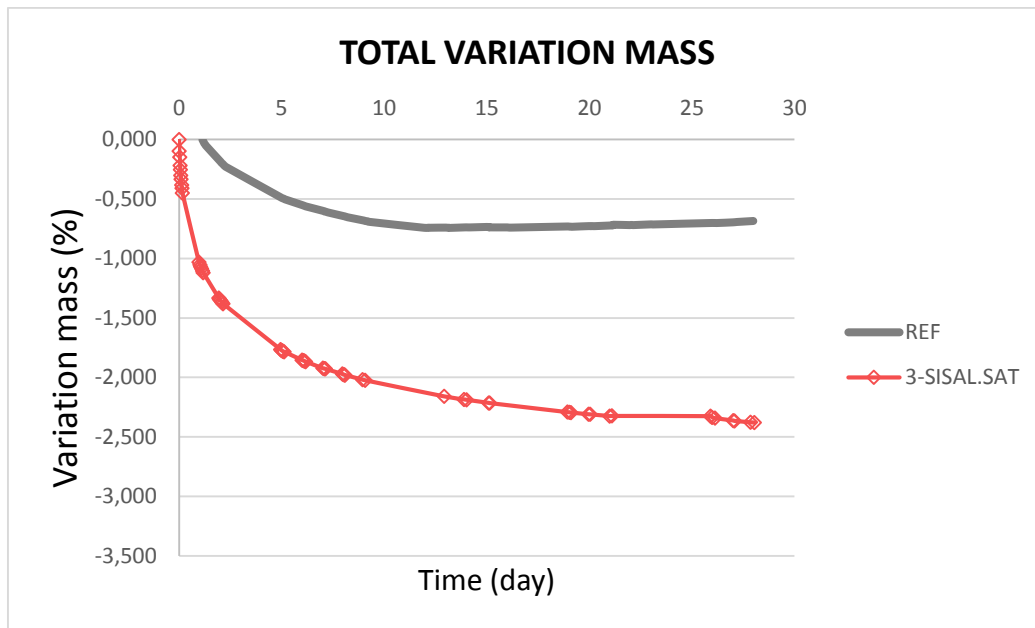


Figure 4.19- Graphic of total variation mass. Reference, sisal saturated.

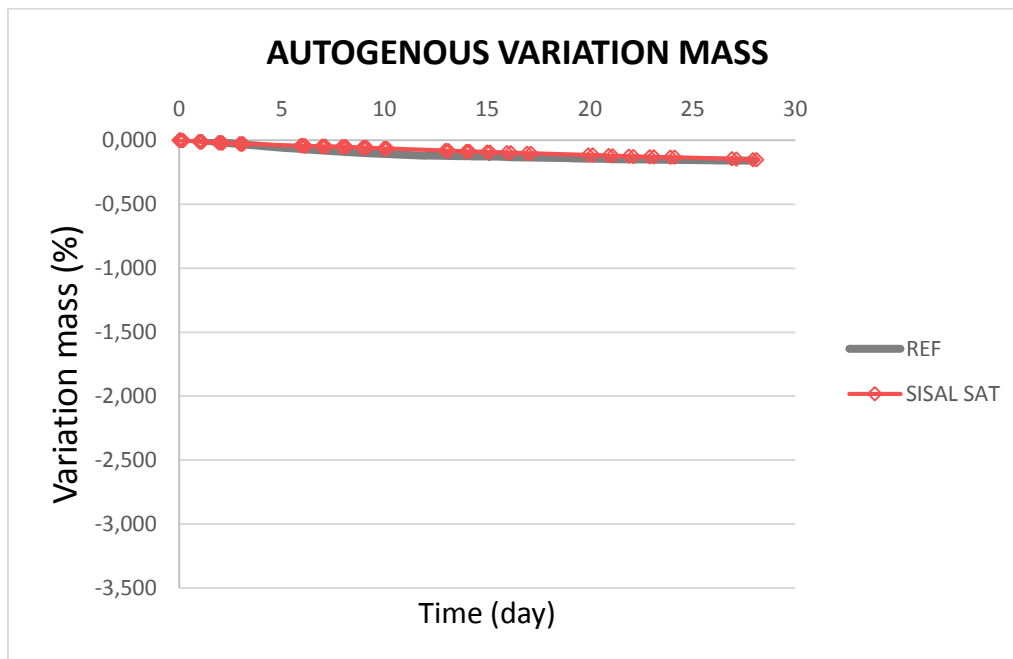


Figure 4.20- Graphic of autogenous variation mass. Reference, sisal saturated.

In figure 4.17 is compared the reference specimens with the sisal saturate material, being total sisal saturate strain a bit higher than reference sample. Sisal autogenous shrinkage is less than Reference sample (figure 4.18). Respect variation mass (figure 4.19, Figure 4.20) total variation has more differences between sisal and reference than autogenous variation mass. In variation mass in total is 2% higher than reference. Autogenous variation have almost the same loss between in the two materials.

4.2.2 Sisal sat+ steel

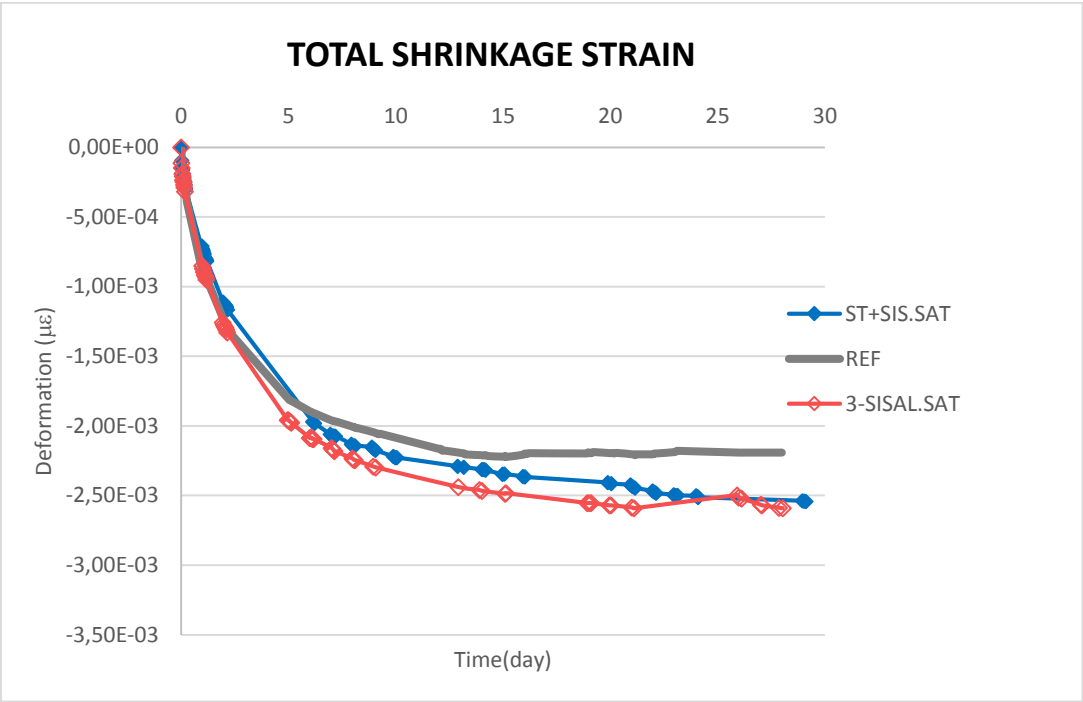


Figure 4.21- Graphic of total shrinkage strain. Reference, sisal saturated, sisal saturated with steel.

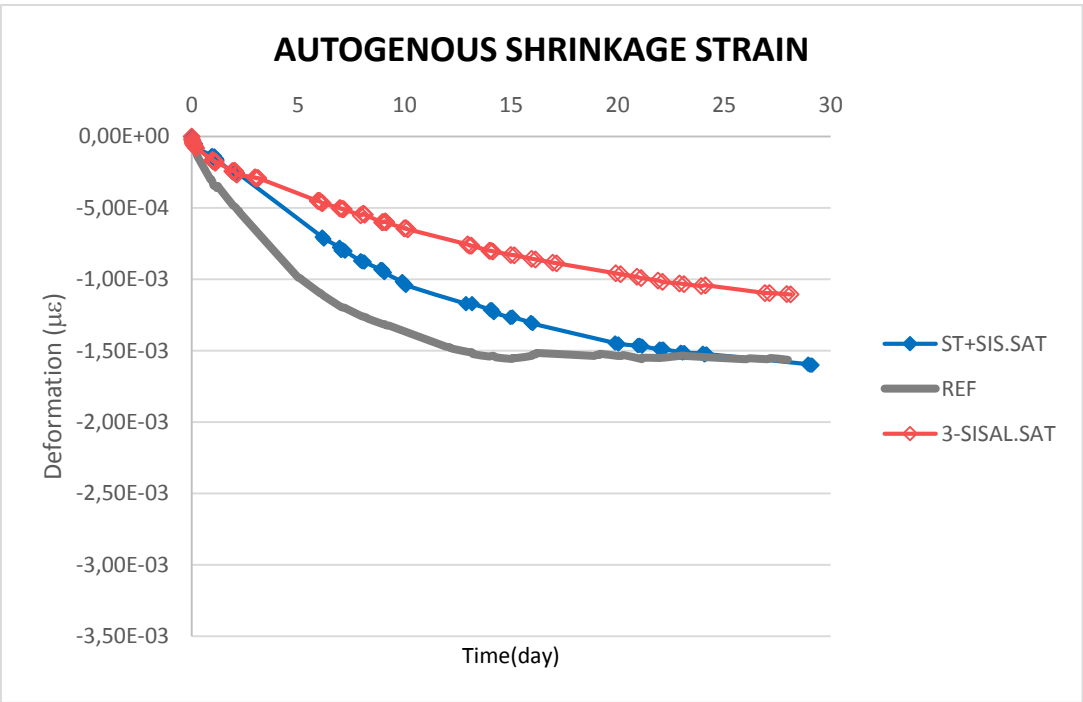


Figure 4.22- Graphic of autogenous shrinkage strain. Reference, sisal saturated, sisal saturated with steel.

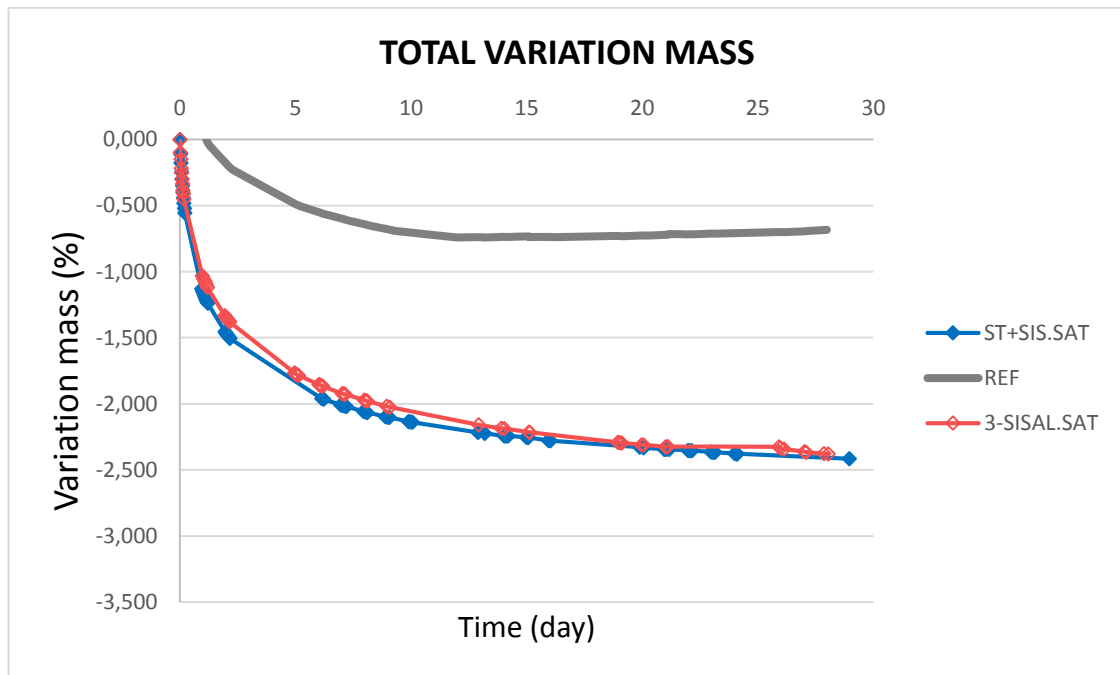


Figure 4.23- Graphic of total variation mass. Reference, sisal saturated, sisal saturated with steel.

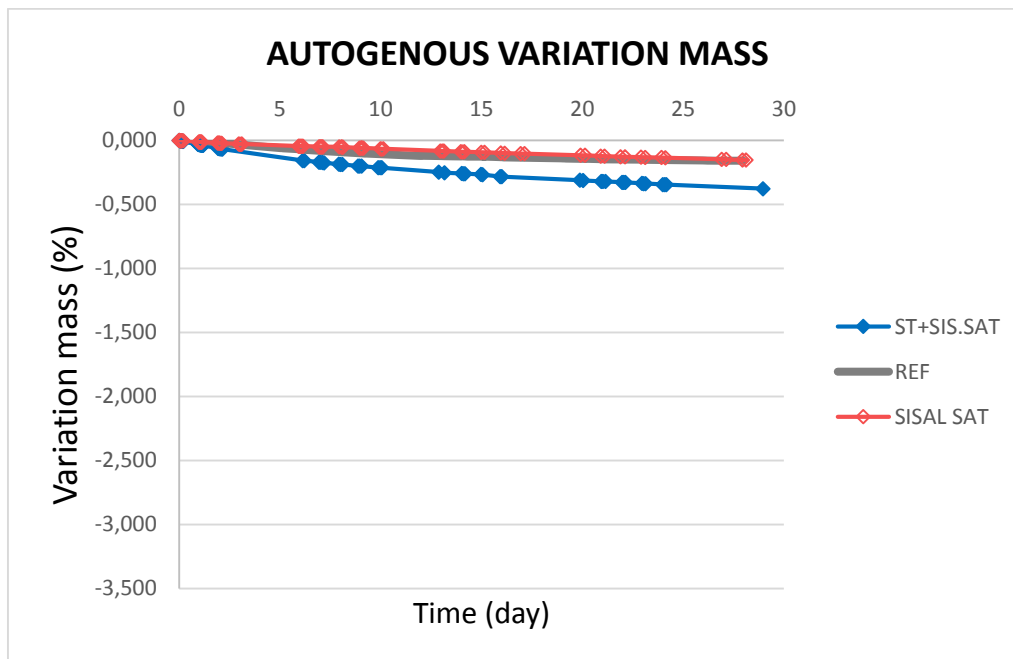


Figure 4.24- Graphic of autogenous variation mass. Reference, sisal saturated, sisal saturated with steel.

In figure 4.21 it shown steel combined with sisal, sisal and reference sample. It can be observed than have a similar behaviour on total shrinkage strain, being total strain sisal saturate and sisal combined with steel a bit higher than reference specimen. Autogenous shrinkage is less in steel sisal saturate (figure 4.22) than reference which is very similar to sisal saturate+ steel. Respect total variation mass (figure 4.23) sisal saturate and combined with the steel have a similar behaviour being 2% higher than reference specimen. Autogenous variation have almost the same loss between in the 3 materials.

4.3 Sisal non saturated

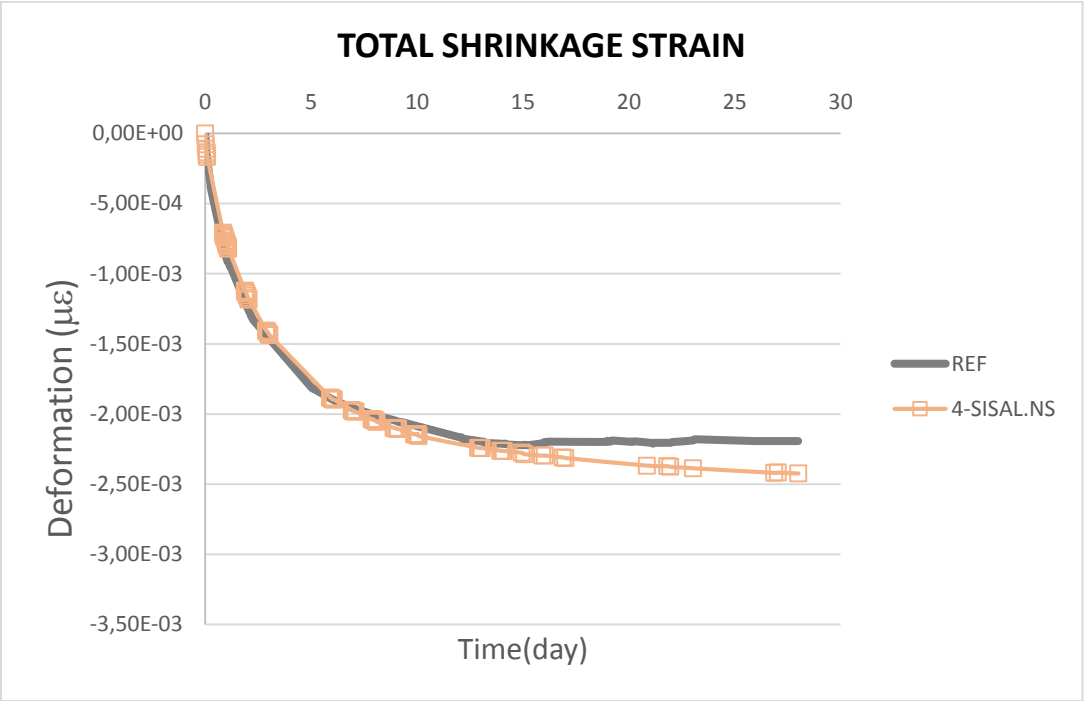


Figure 4.25- Graphic of total shrinkage strain. Reference, sisal not saturated.

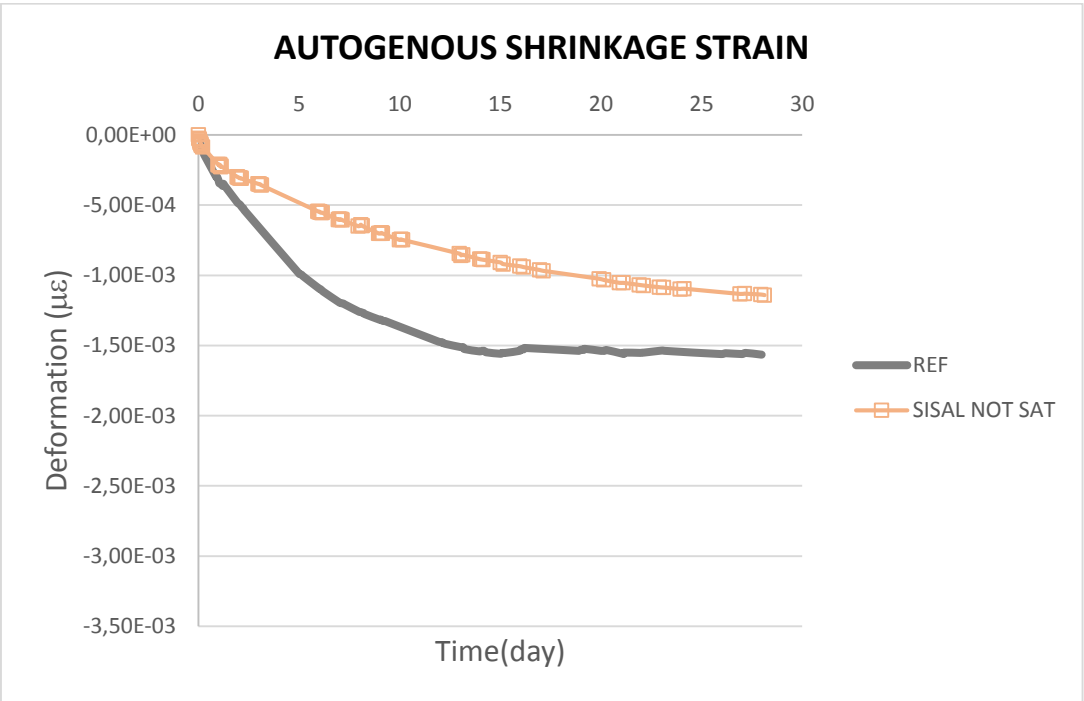


Figure 4.26- Graphic of autogenous shrinkage strain. Reference, sisal not saturated.

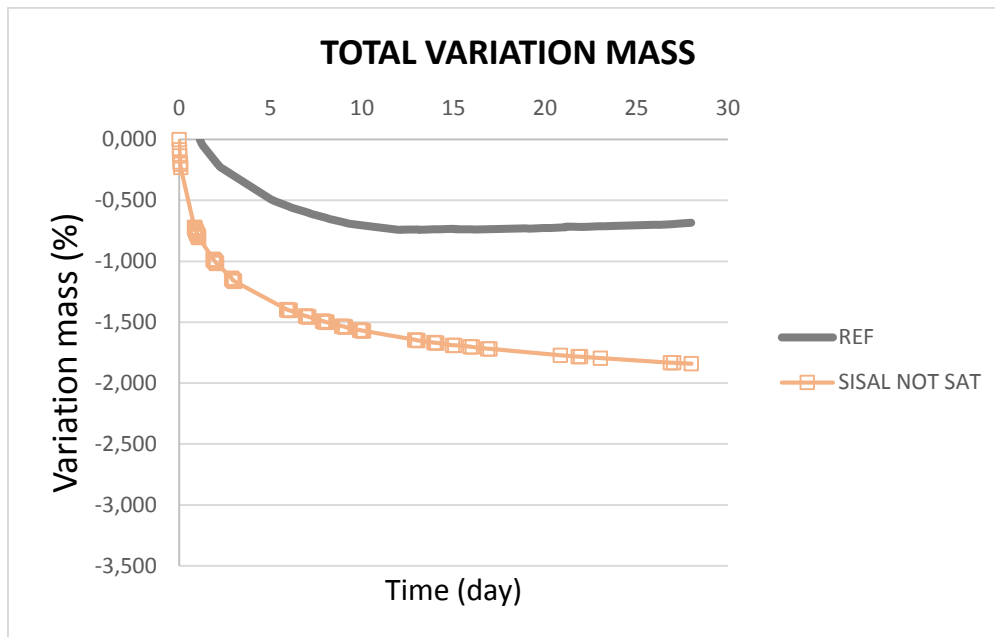


Figure 4.27- Graphic of total variation mass. Reference, sisal not saturated.

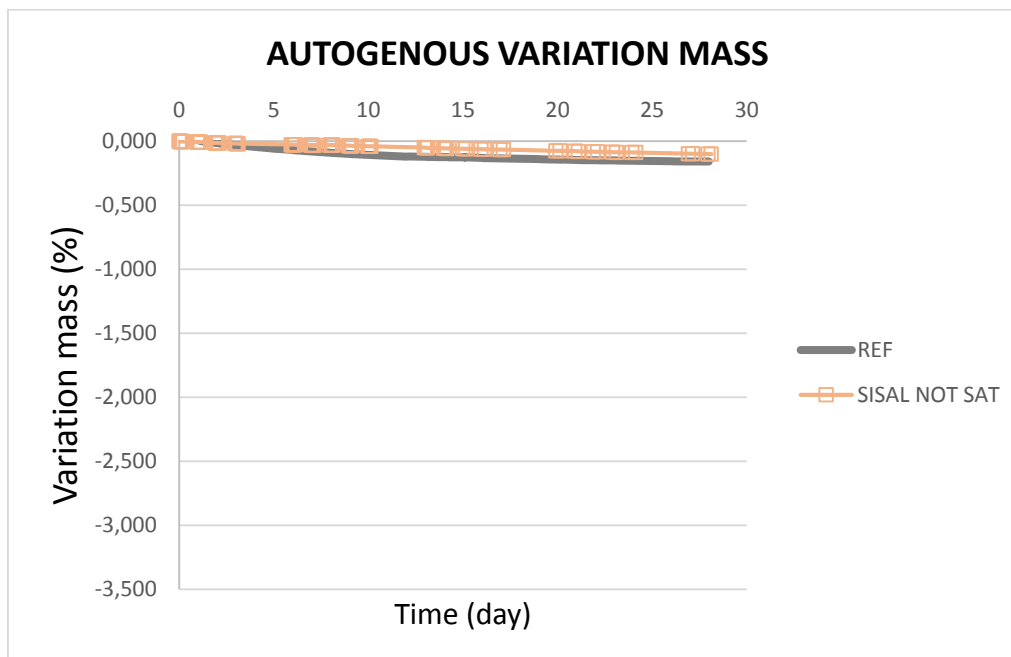


Figure 4.28- Graphic of autogenous variation mass. Reference, sisal not saturated.

In figure 4.25 is compared the reference specimens with the sisal not saturated material, having both a similar behaviour. Sisal autogenous shrinkage is less than Reference sample (figure 4.26). Respect total variation mass (figure 4.27) is 2% higher in sisal not saturated material than reference. Autogenous variation have almost the same loss between in the two materials (figure 4.28).

4.3.1Sisal not sat + steel

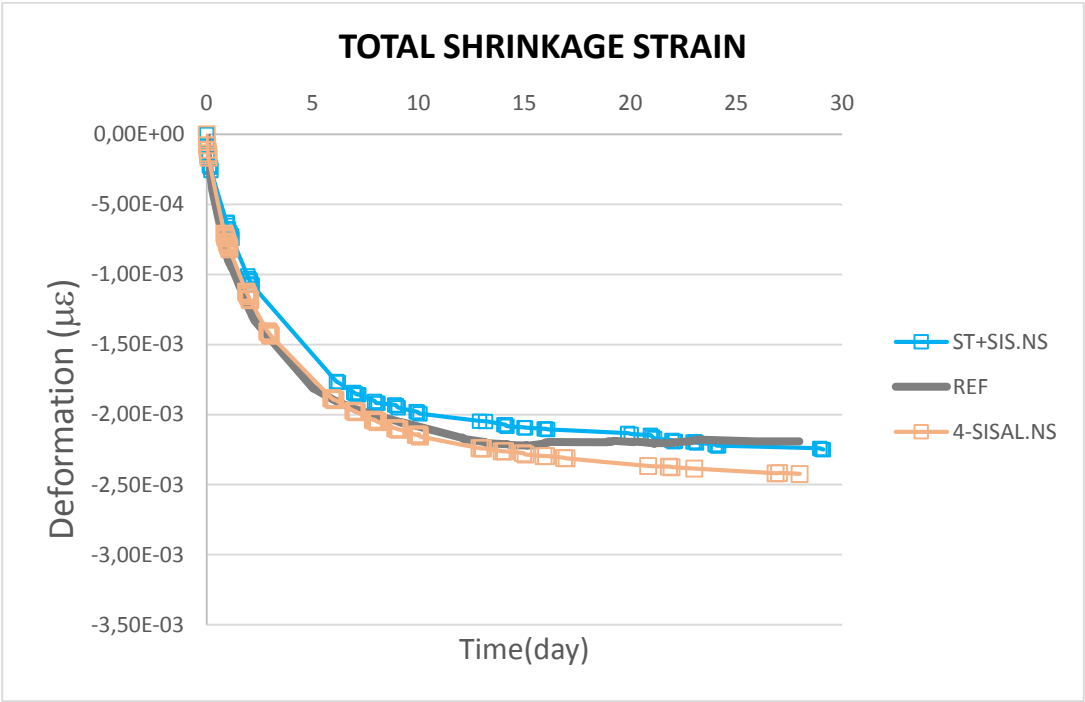


Figure 4.29- Graphic of total shrinkage strain. Reference, sisal not saturated, sisal not saturated with steel.

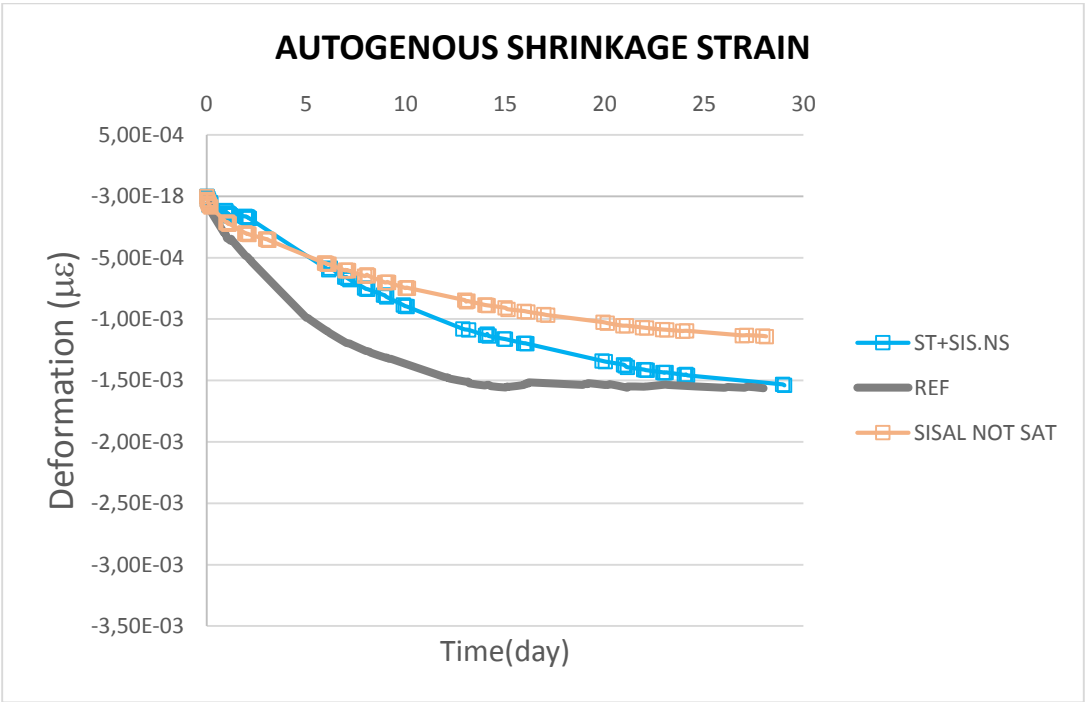


Figure 4.30- Graphic of autogenous shrinkage strain. Reference, sisal not saturated, sisal not saturated with steel.

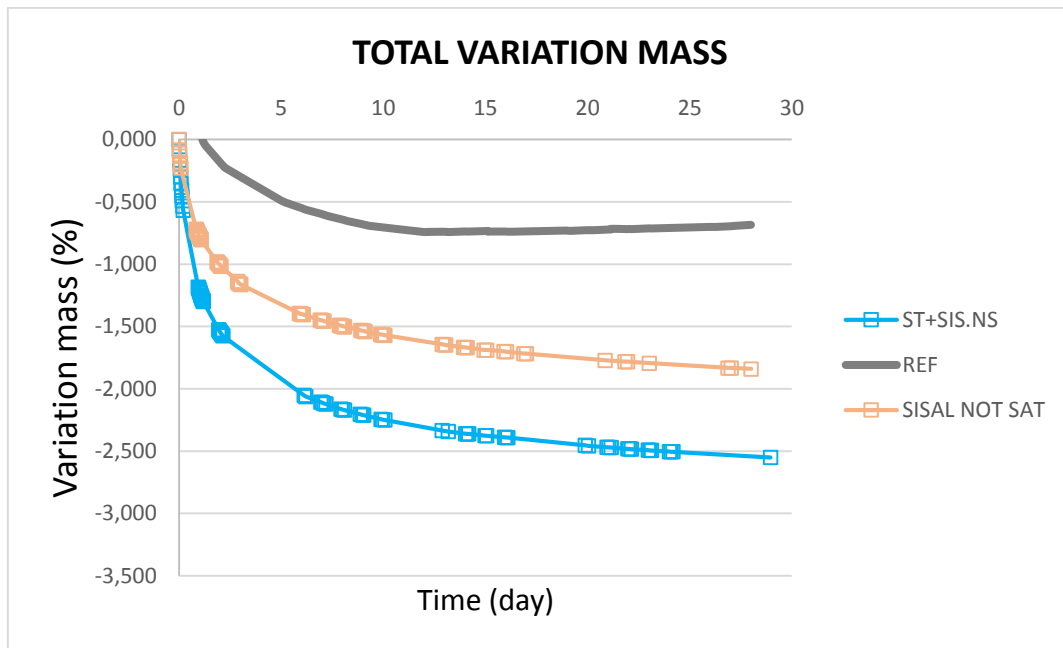


Figure 4.31- Graphic of total variation mass. Reference, sisal not saturated, sisal not saturated with steel.

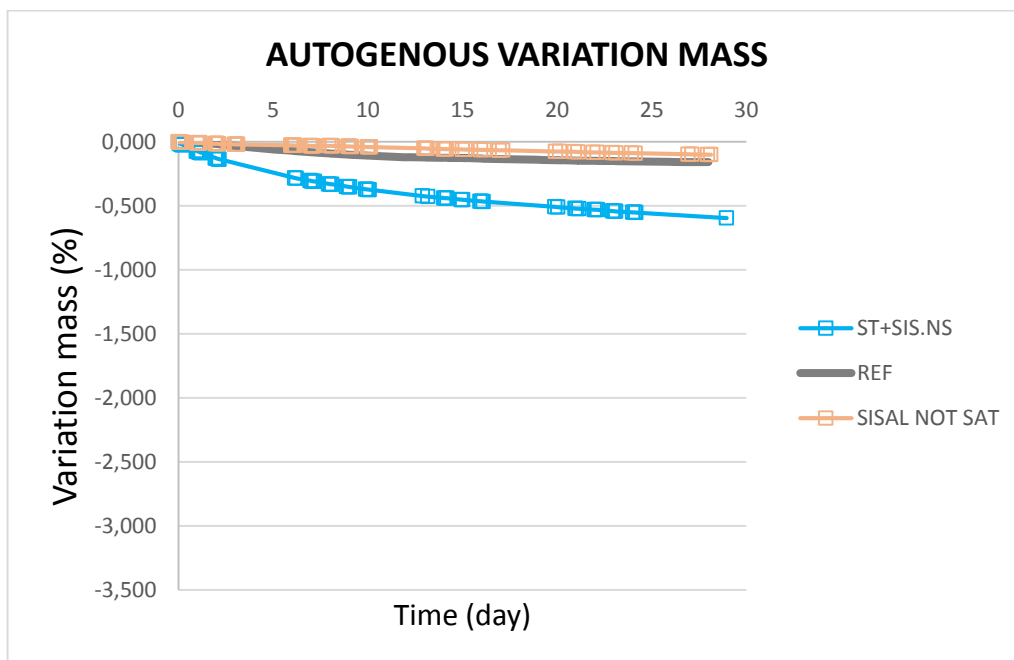


Figure 4.32- Graphic of autogenous variation mass. Reference, sisal not saturated, sisal not saturated with steel.

In figure 4.29 it shown steel combined with sisal not saturated, sisal not saturated and reference sample. It can be observed than have a similar behaviour on total shrinkage strain. Autogenous shrinkage is less in sisal not saturate (figure 4.30) than reference which is very similar to sisal saturate+ steel. Respect total variation mass (figure 4.31) sisal saturate is 1% higher than reference but when and combined with the steel is almost 2% higher than reference. Autogenous variation have almost the same loss between in the 3 materials being a bit higher when steel acts with the sisal fibers (figure 4.32).

4.4 Eucalyptus

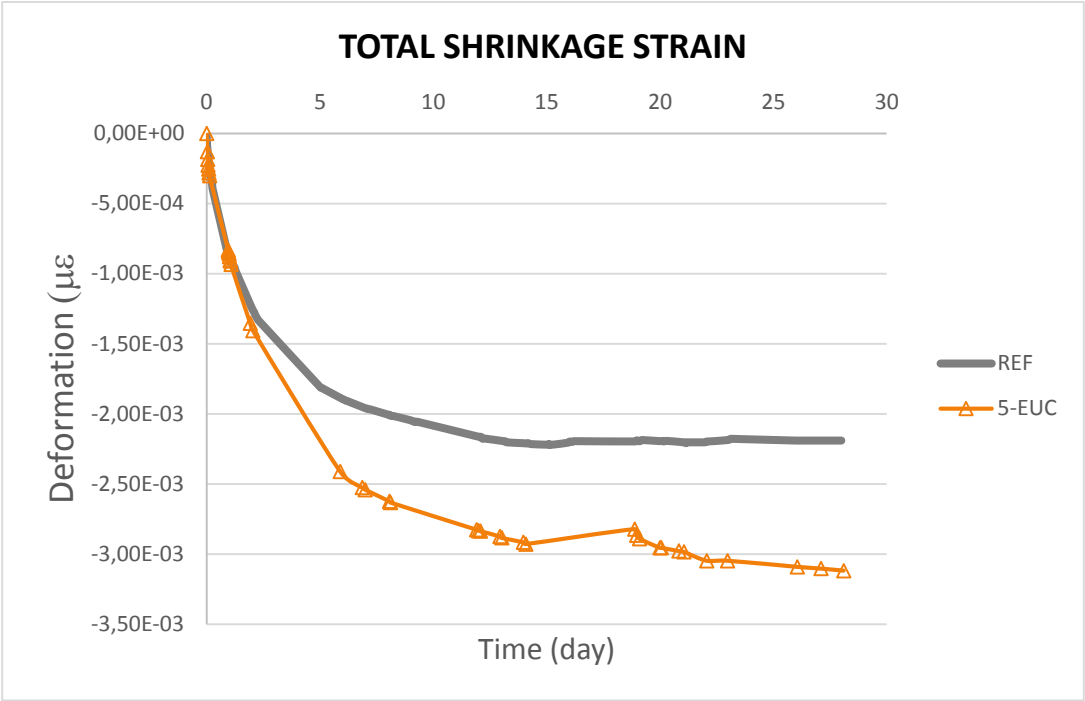


Figure 4.33- Graphic of total shrinkage strain. Reference, eucalyptus.

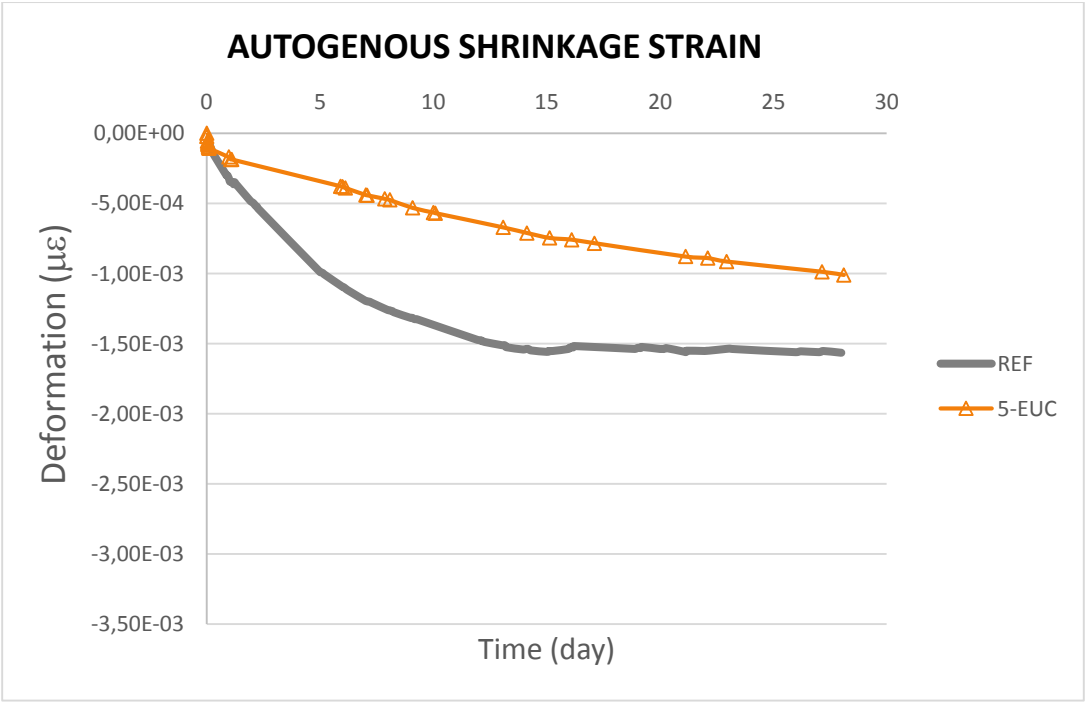


Figure 4.34- Graphic of autogenous shrinkage strain. Reference, eucalyptus.

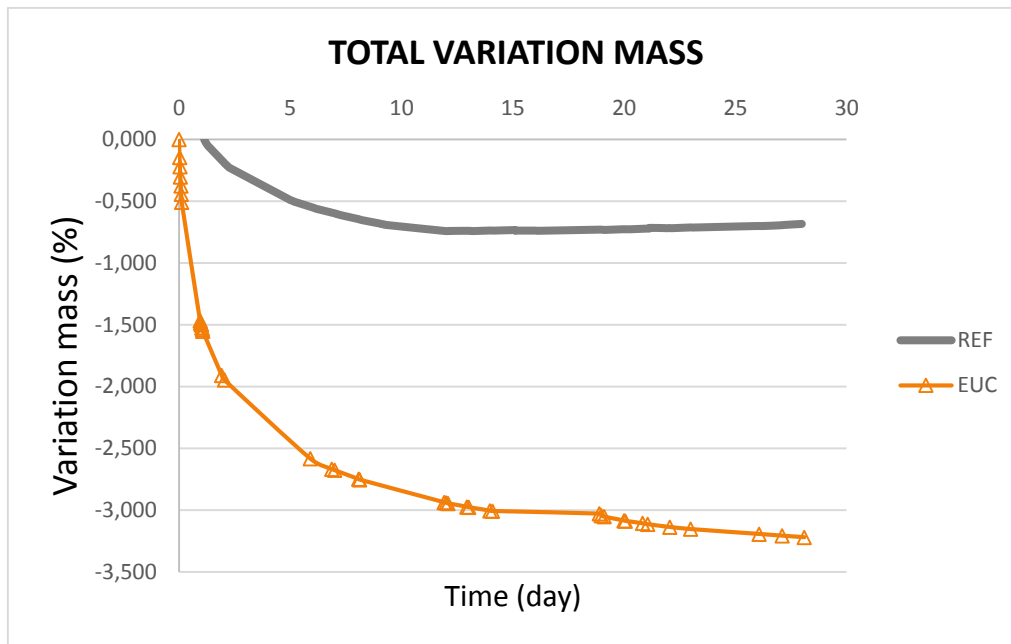


Figure 4.35- Graphic of total variation mass. Reference, eucalyptus.

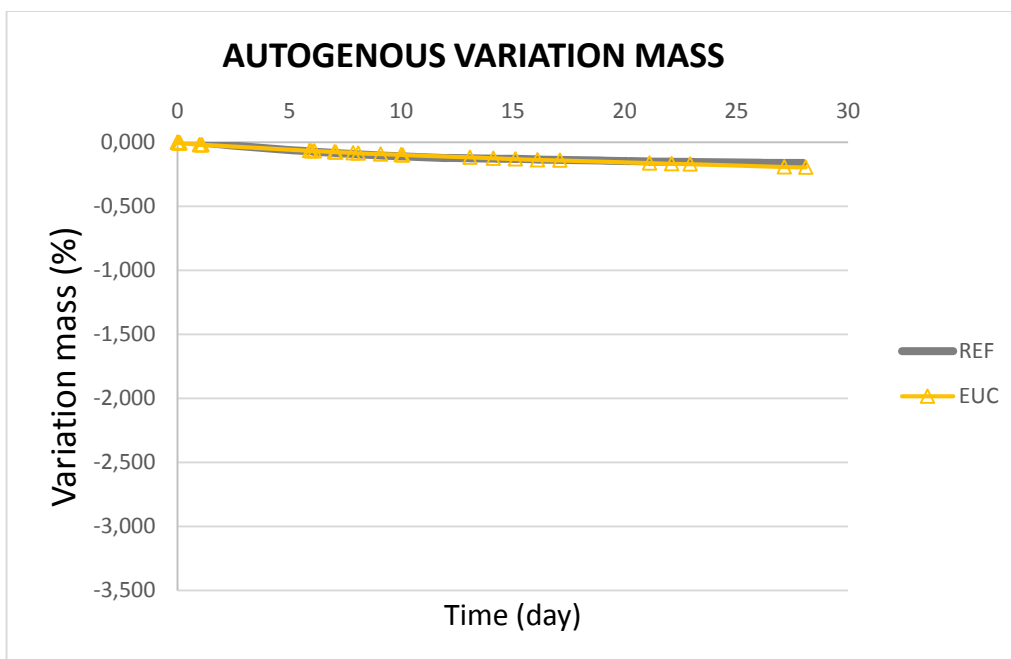


Figure 4.36- Graphic of autogenous variation mass. Reference, eucalyptus.

In figure 4.33 is compared the reference specimens with the eucalyptus fibers material, having eucalyptus a high strain in total shrinkage. Eucalyptus autogenous shrinkage is less than Reference sample (figure 4.34). Respect total variation mass (figure 4.35) is 2,5% higher in eucalyptus material than reference. Autogenous variation have almost the same loss between in the two materials (figure 4.36).

4.4.1 Eucalyptus +steel/sisal

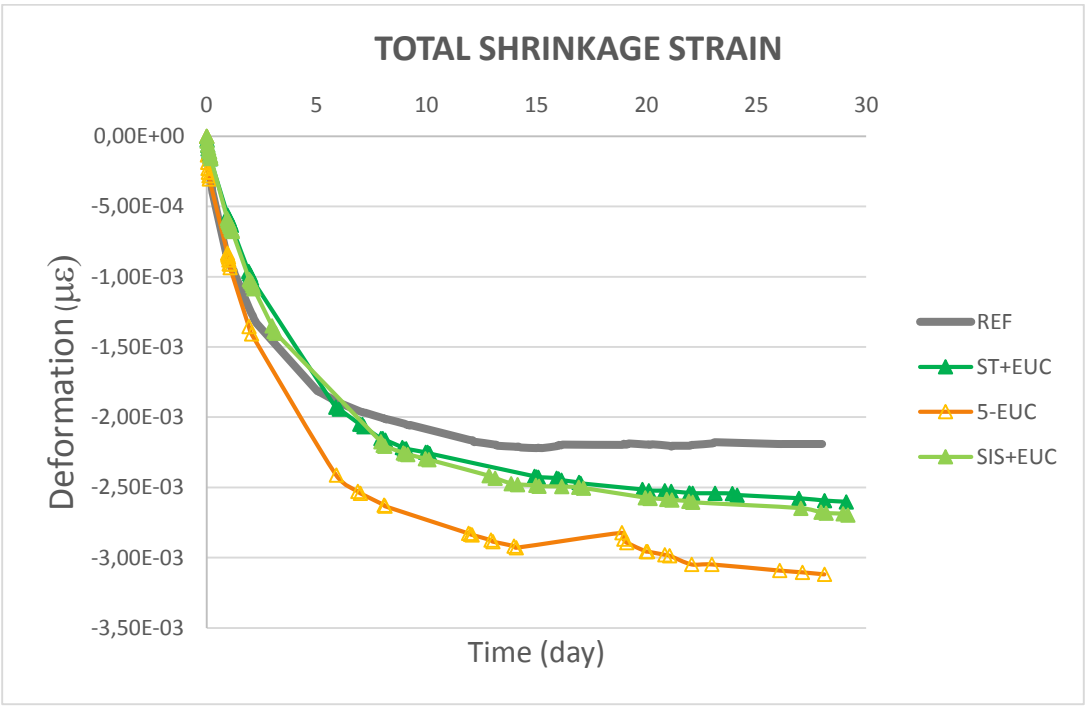


Figure 4.37- Graphic of total shrinkage strain. Reference, eucalyptus, eucalyptus with steel, eucalyptus with sisal.

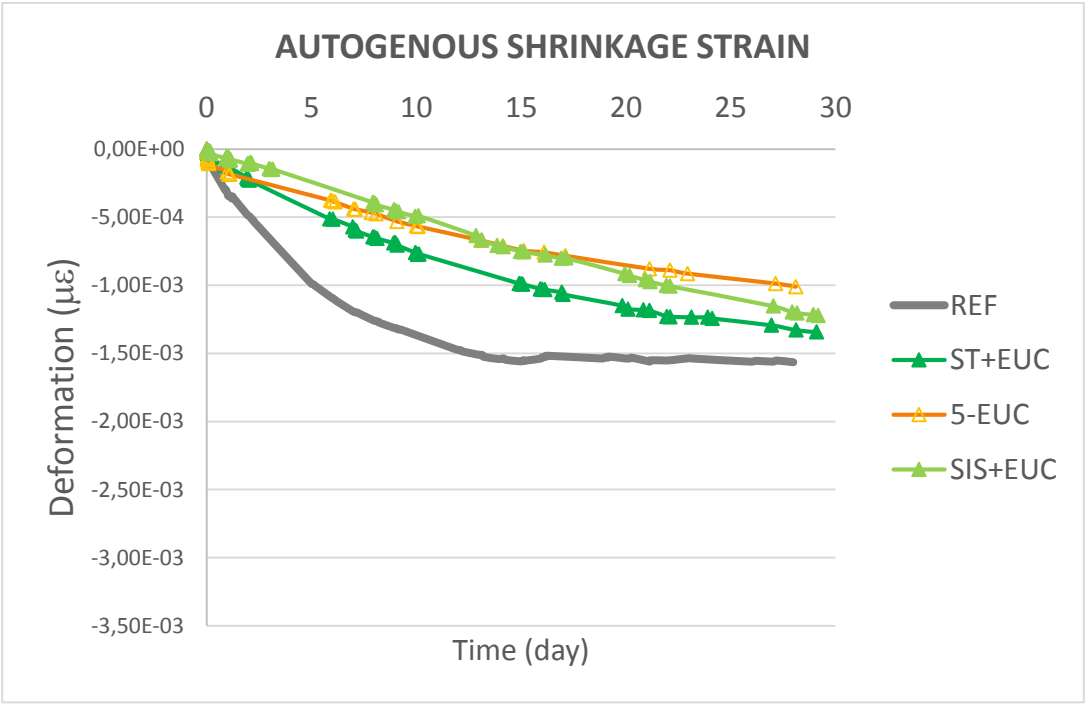


Figure 4.38- Graphic of autogenous shrinkage strain. Reference, eucalyptus, eucalyptus with steel, eucalyptus with sisal.

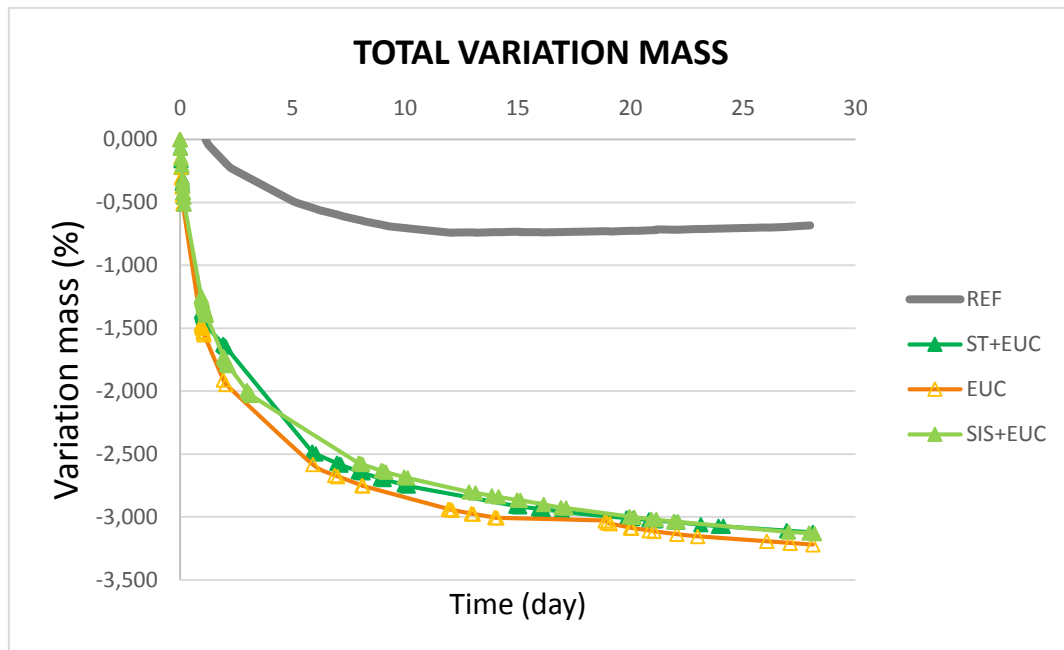


Figure 4.39- Graphic of total variation mass. Reference, eucalyptus, eucalyptus with steel, eucalyptus with sisal.

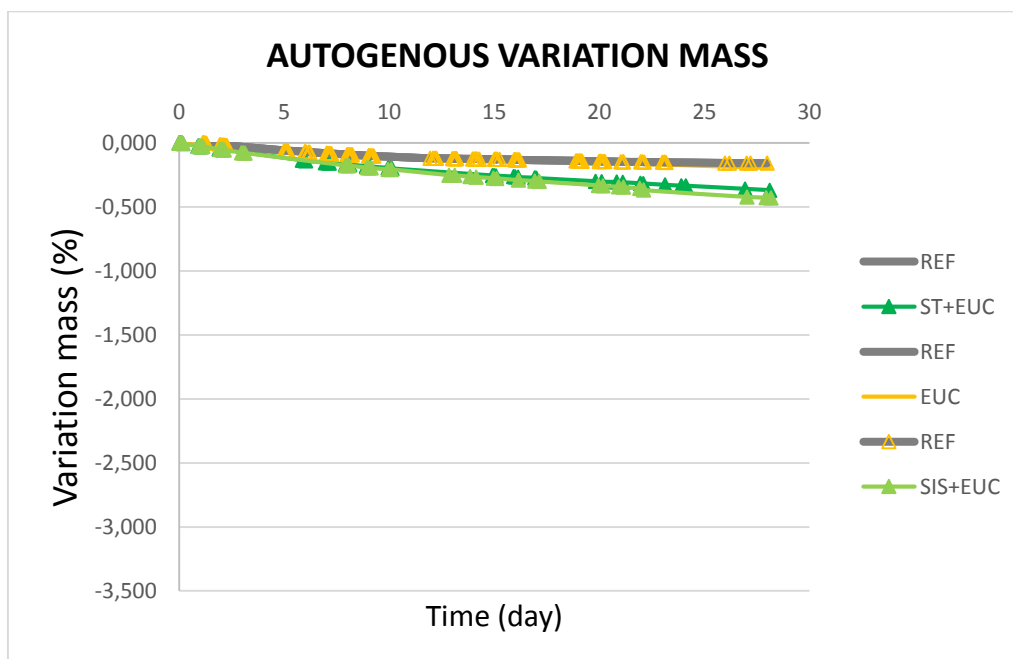


Figure 4.40- Graphic of autogenous variation mass. Reference, eucalyptus, eucalyptus with steel, eucalyptus with sisal.

In figure 4.37 it shown reference sample, eucalyptus and eucalyptus combined with sisal and with steel. It can be observed that eucalyptus with sisal fibers and with steel fibers have a similar strain total shrinkage and is higher than reference strain. The eucalyptus acting alone is even more above than the others. Autogenous shrinkage is less in the three combination fibers than reference (figure 4.38). Respect total variation mass (figure 4.39) three combination materials have the same behaviour and are 2,5% higher than reference specimen. Autogenous variation have almost the same loss between in the 4 mixes (figure 4.40).

4.5 Nanopulp

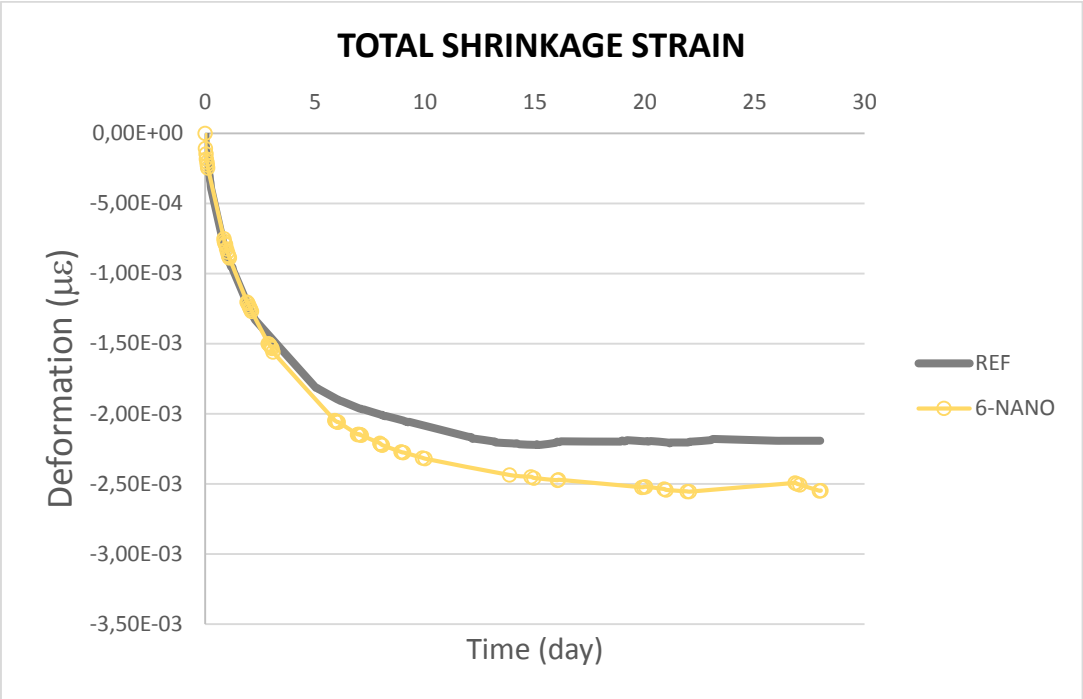


Figure 4.41- Graphic of total shrinkage strain. Reference, Nanopulp.

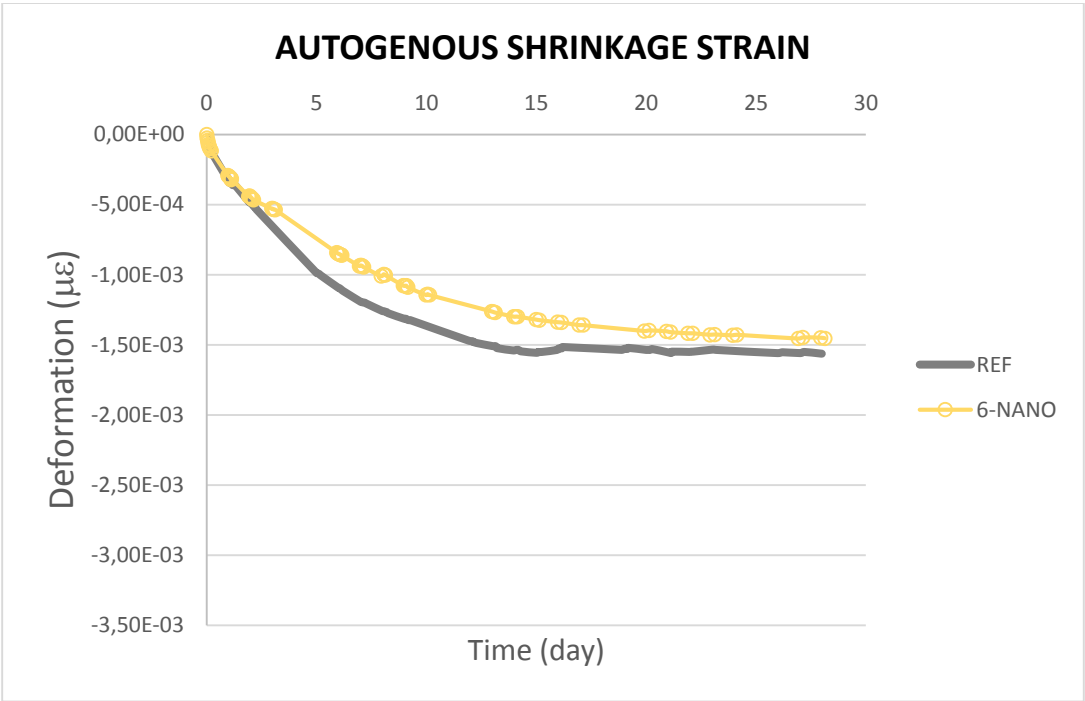


Figure 4.42- Graphic of autogenous shrinkage strain. Reference, Nanopulp.

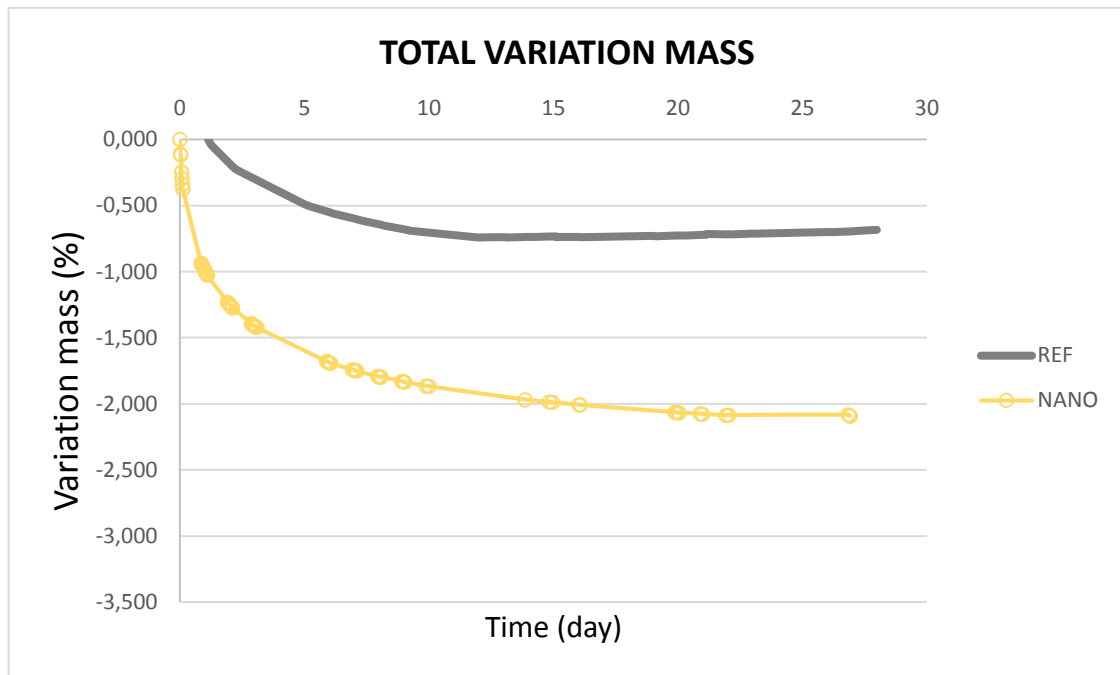


Figure 4.43- Graphic of total variation mass. Reference, Nanopulp.

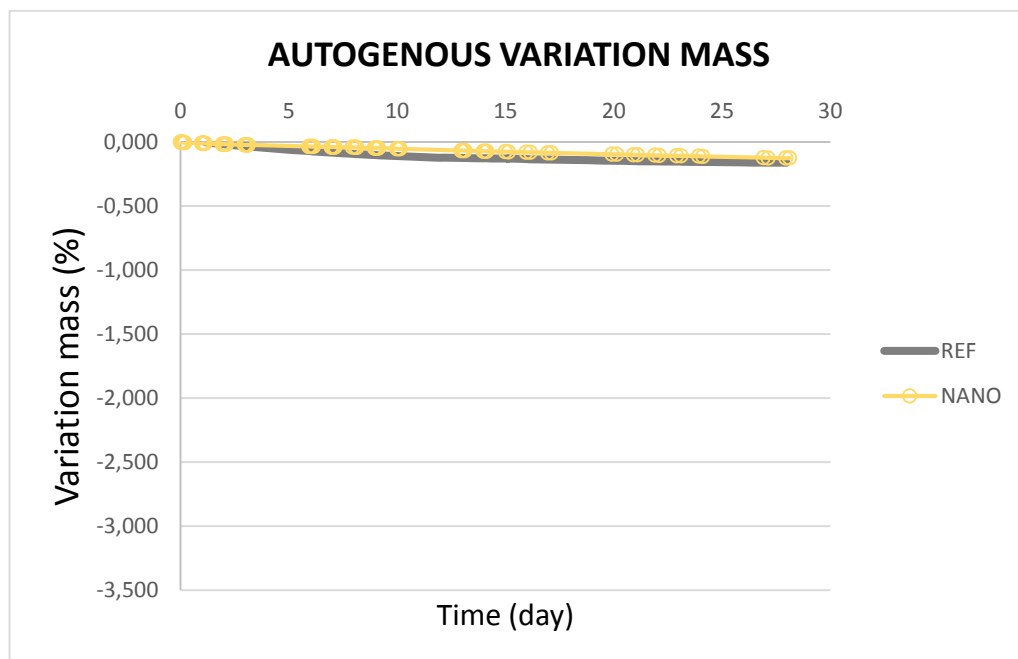


Figure 4.44- Graphic of autogenous variation mass. Reference, Nanopulp.

In figure 4.41 is compared the reference specimens with the nanopulp material, having both a similar total shrinkage strain. Nanopulp autogenous shrinkage strain is similar than Reference sample being Nanopulp a bit less (figure 4.42). Respect total variation mass (figure 4.43) is around 1,5% higher in nanopulp material than reference. Autogenous variation have almost the same loss between in the two materials (figure 4.44).

4.5.1 Nanopulp+ steel/sisal

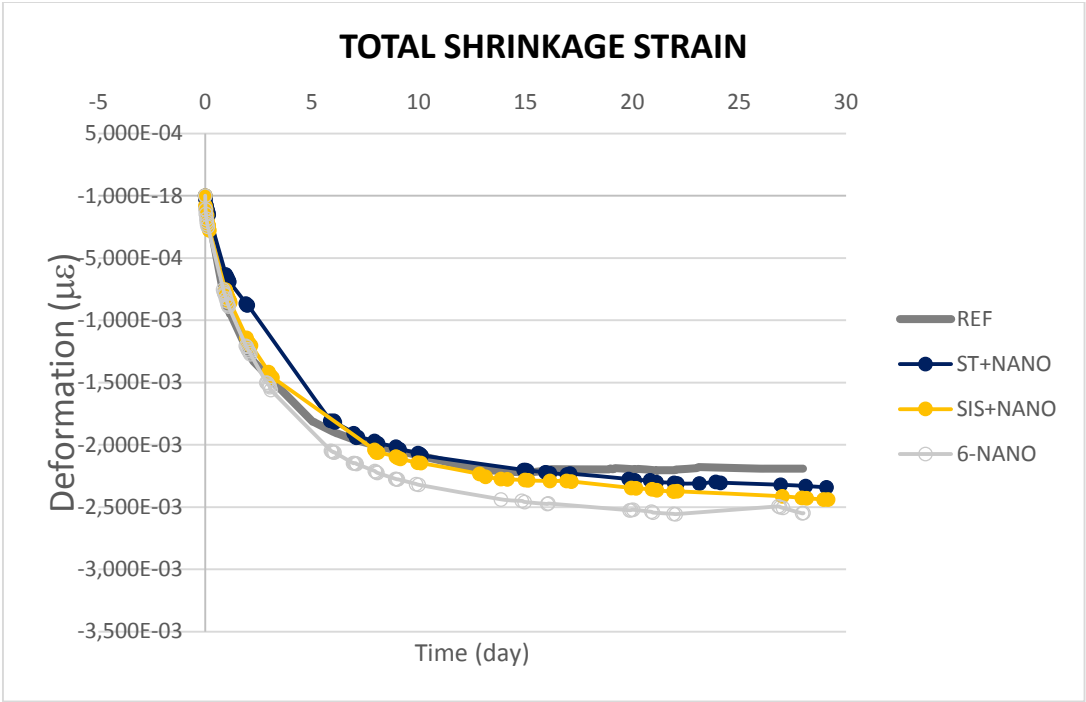


Figure 4.45- Graphic of total shrinkage strain. Reference, Nanopulp, Nanopulp with steel, Nanopulp with sisal.

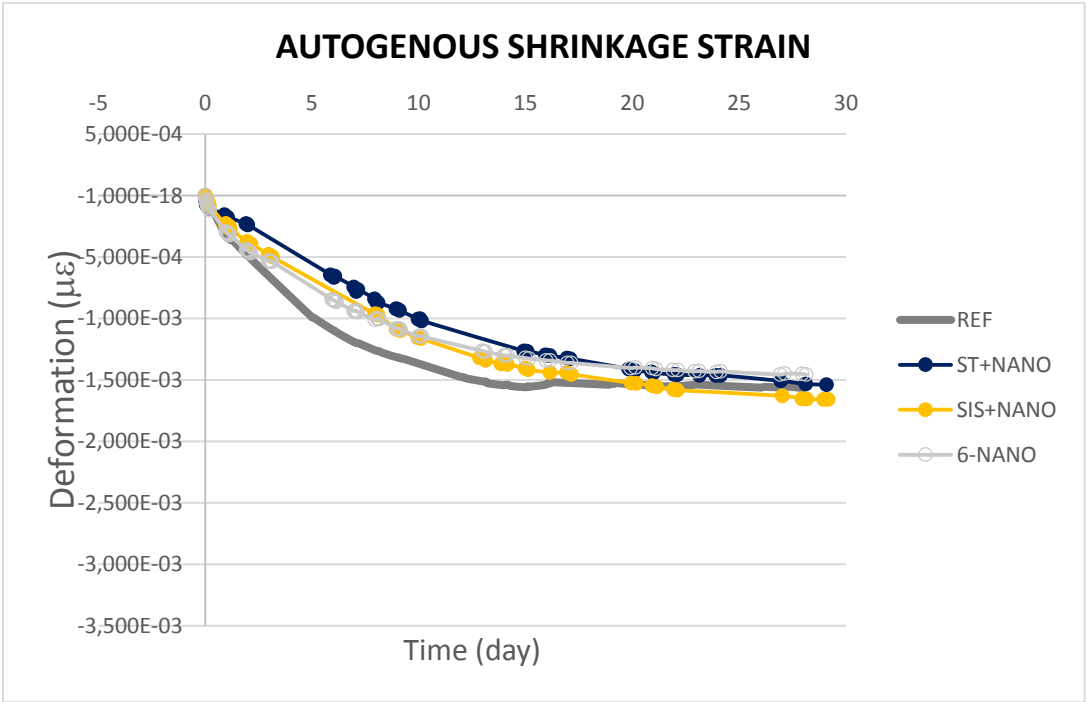


Figure 4.46- Graphic of autogenous shrinkage strain. Reference, Nanopulp, Nanopulp with steel, Nanopulp with sisal.

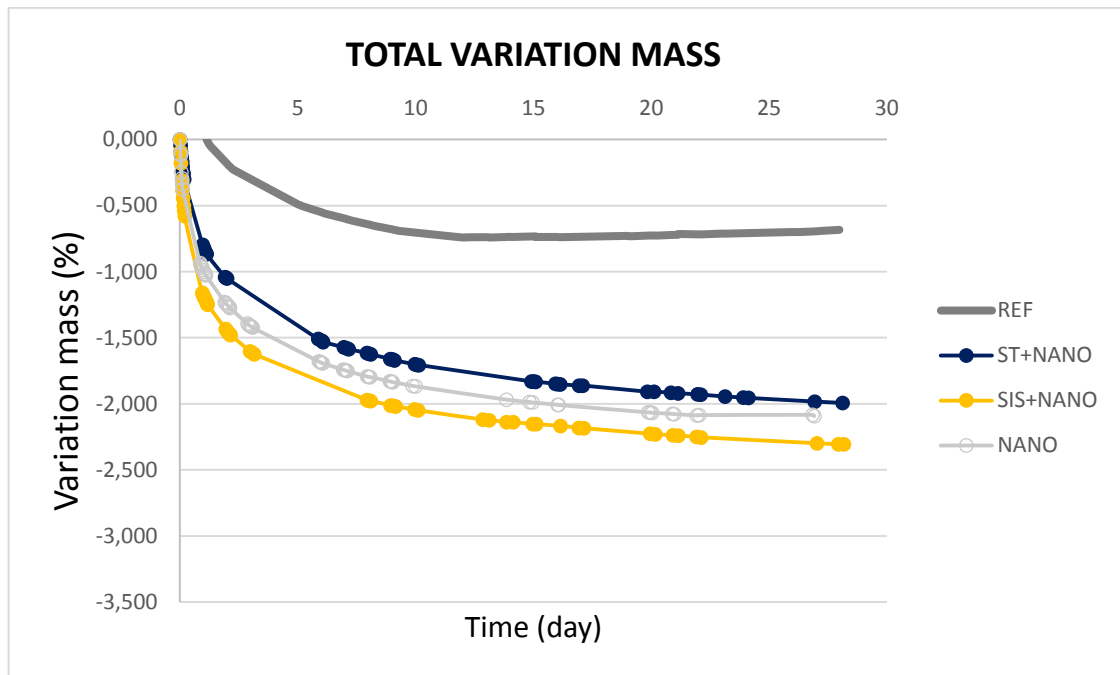


Figure 4.47- Graphic of total variation mass. Reference, Nanopulp, Nanopulp with steel, Nanopulp with sisal.

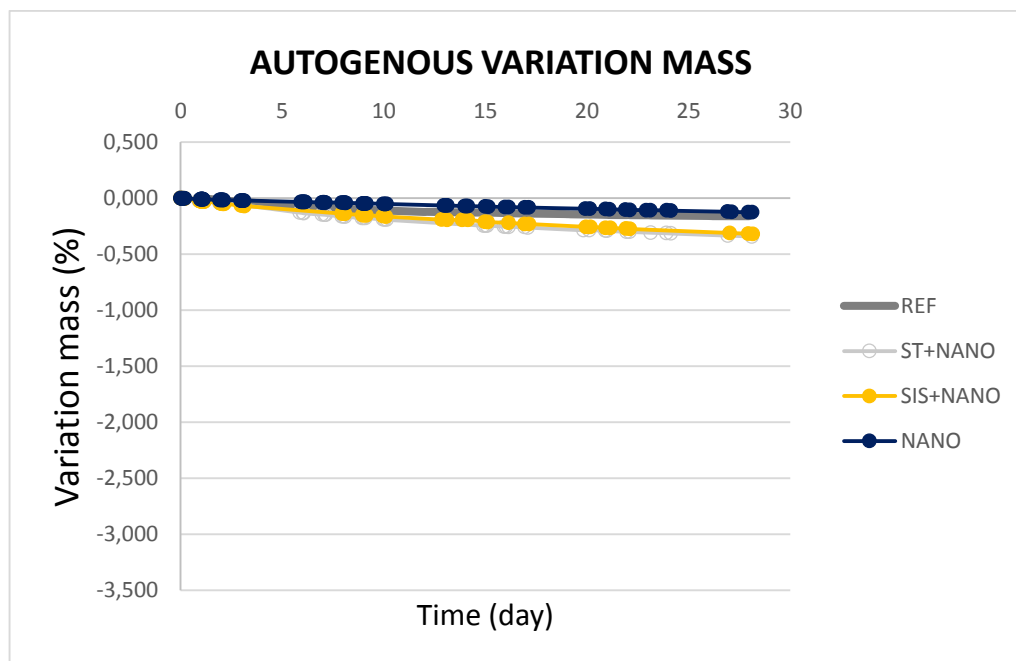


Figure 4.48- Graphic of autogenous variation mass. Reference, Nanopulp, Nanopulp with steel, Nanopulp with sisal.

In figure 4.45 it shown reference sample, nanopulp and nanopulp combined with sisal and with steel. It can be observed that the 4 mixes have a similar strain total shrinkage. It also happened with the autogenous shrinkage strain (figure 4.46). Respect total variation mass (figure 4.47) three combination materials have a similar behaviour around a 1,5% higher than reference specimen. Autogenous variation have almost the same loss between in the 4 mixes (figure 4.40).

4.6 Nanopowder

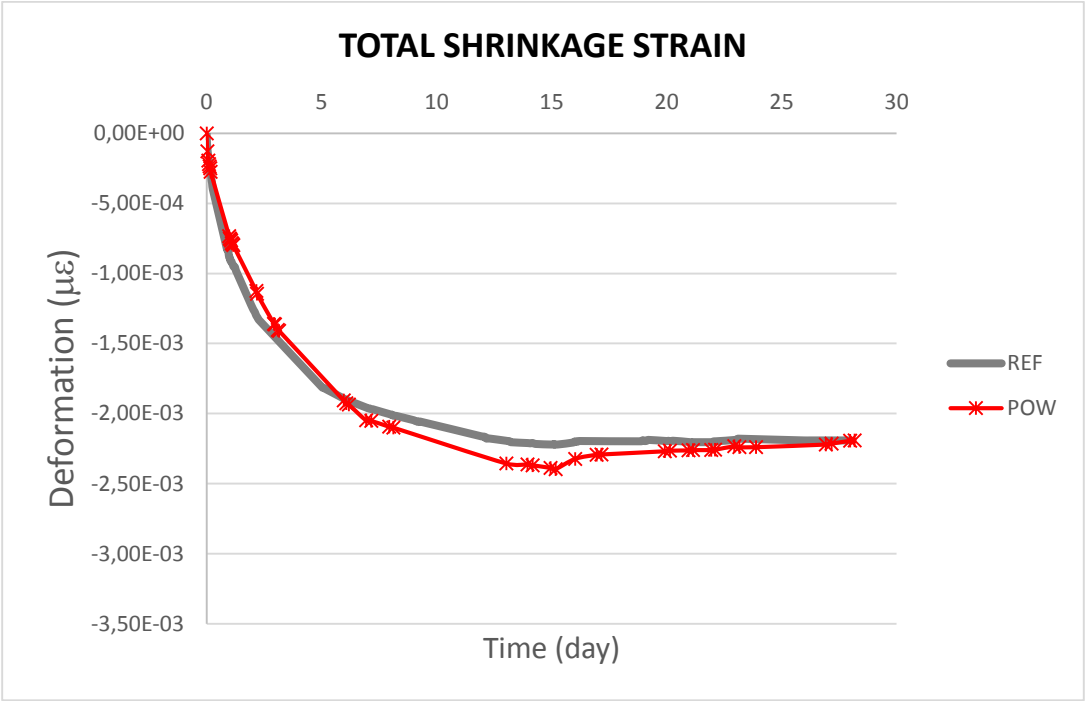


Figure 4.49- Graphic of total shrinkage strain. Reference, Nanopowder.

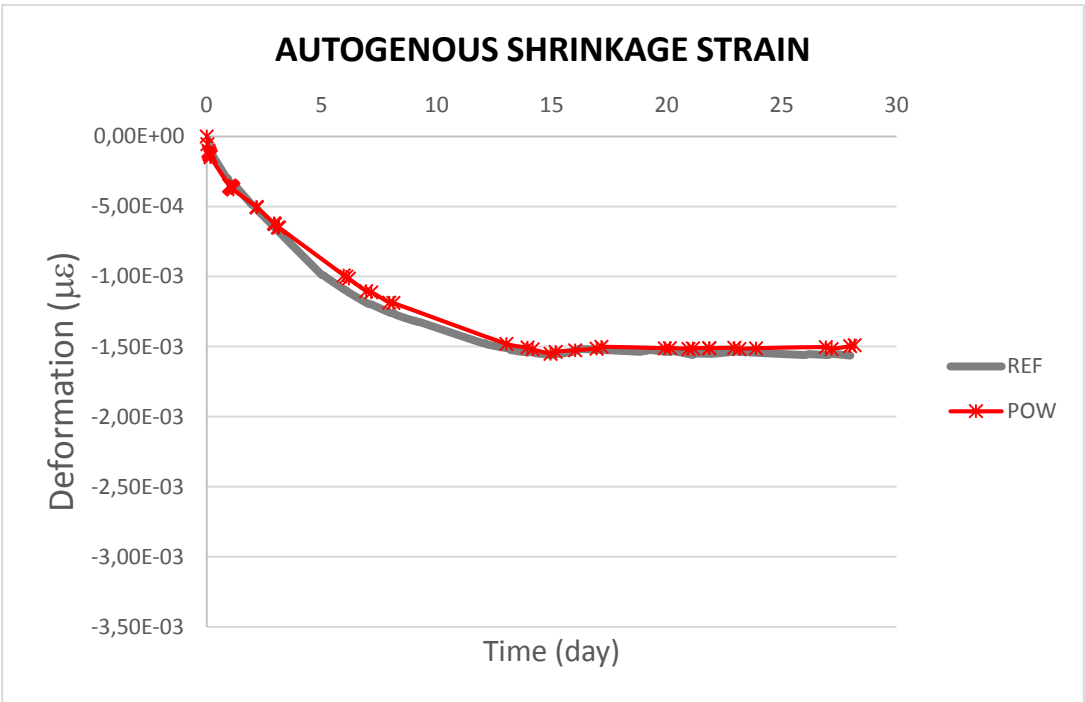


Figure 4.50- Graphic of autogenous shrinkage strain. Reference, Nanopowder.

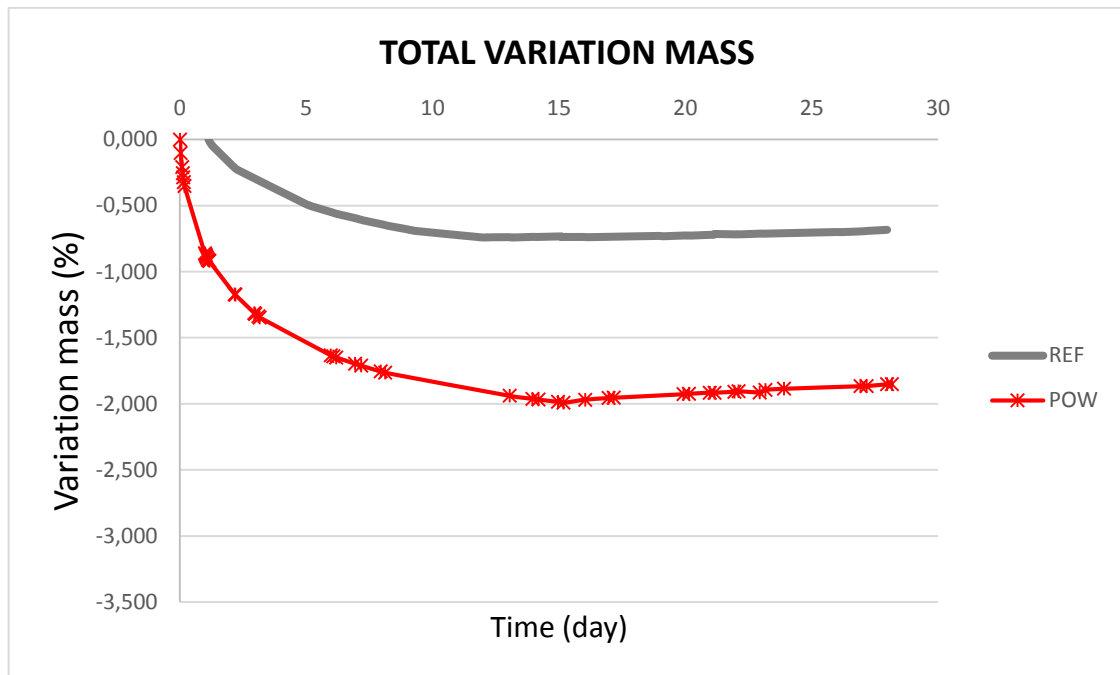


Figure 4.51- Graphic of total variation mass. Reference, Nanopowder.

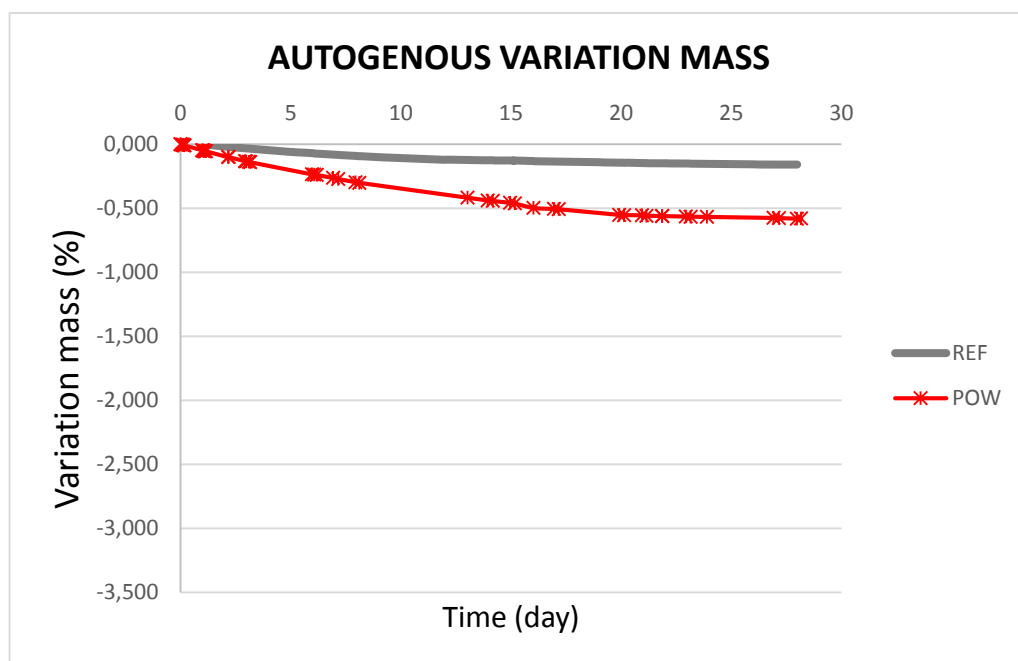


Figure 4.52- Graphic of autogenous variation mass. Reference, Nanopowder.

In figure 4.49 is compared the reference specimens with the nanopowder material, having both a similar total shrinkage strain. Nanopowder autogenous shrinkage strain has also a similar behaviour than Reference (figure 4.50). Respect total variation mass (figure 4.51) is around 1% higher in nanopowder material than reference. Autogenous variation have almost the same loss between in the two materials (figure 4.52).

4.6.1 Nanopowder + steel/sisal

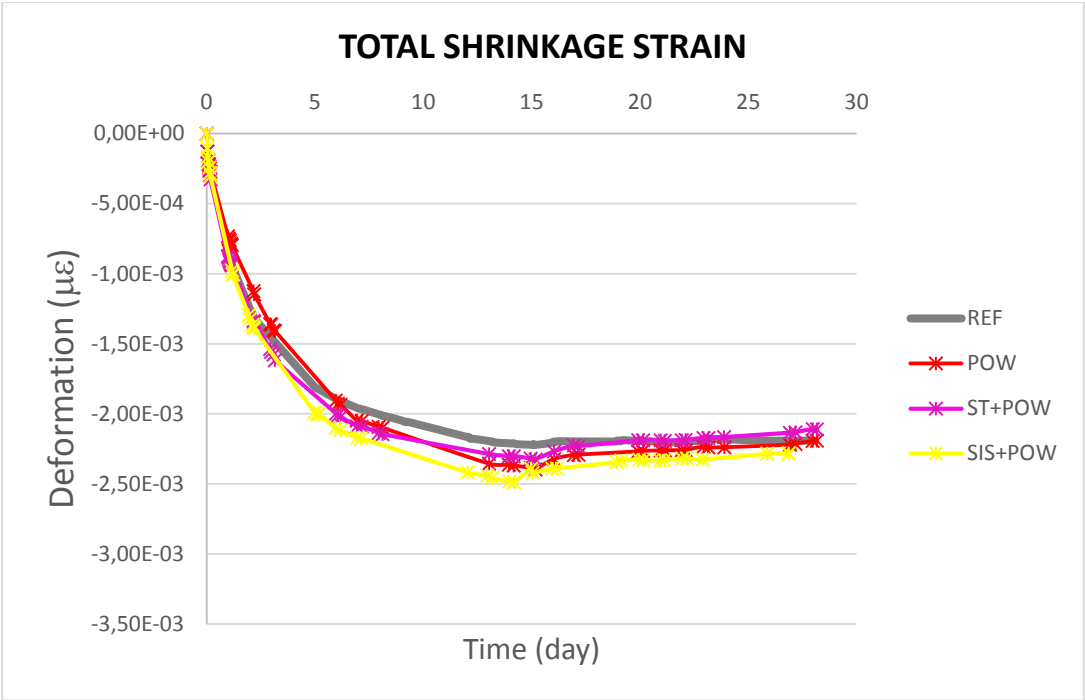


Figure 4.53- Graphic of total shrinkage strain. Reference, Nanopowder., Nanopowder with steel, Nanopowder with sisal.

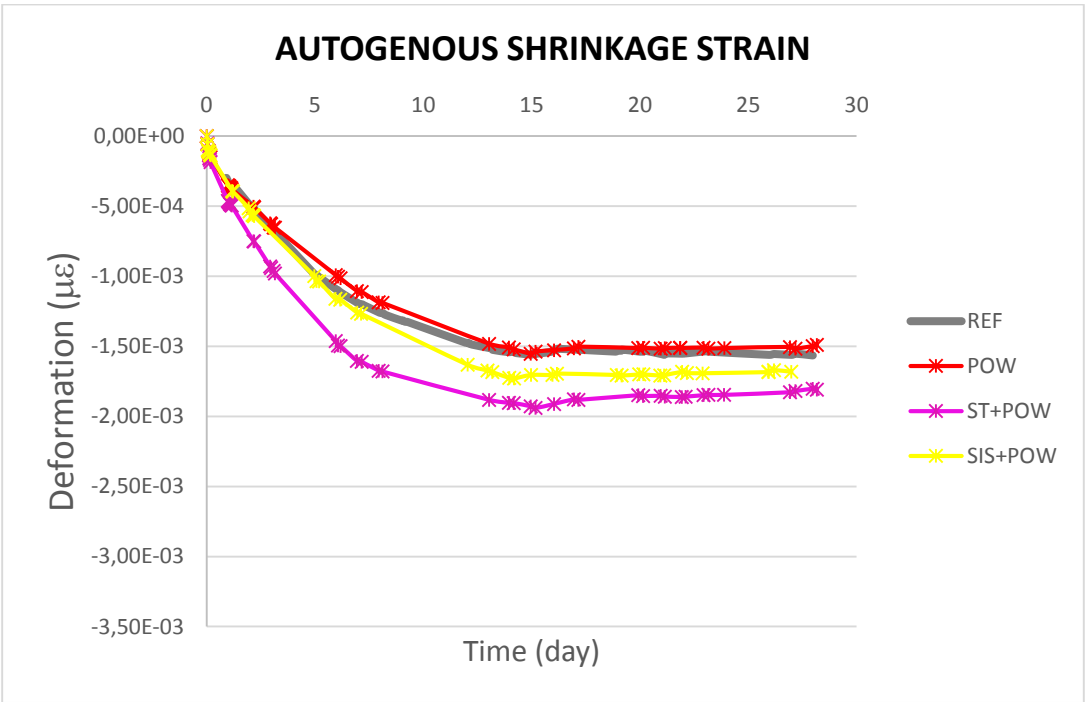


Figure 4.54- Graphic of autogenous shrinkage strain. Reference, Nanopowder., Nanopowder with steel, Nanopowder with sisal.

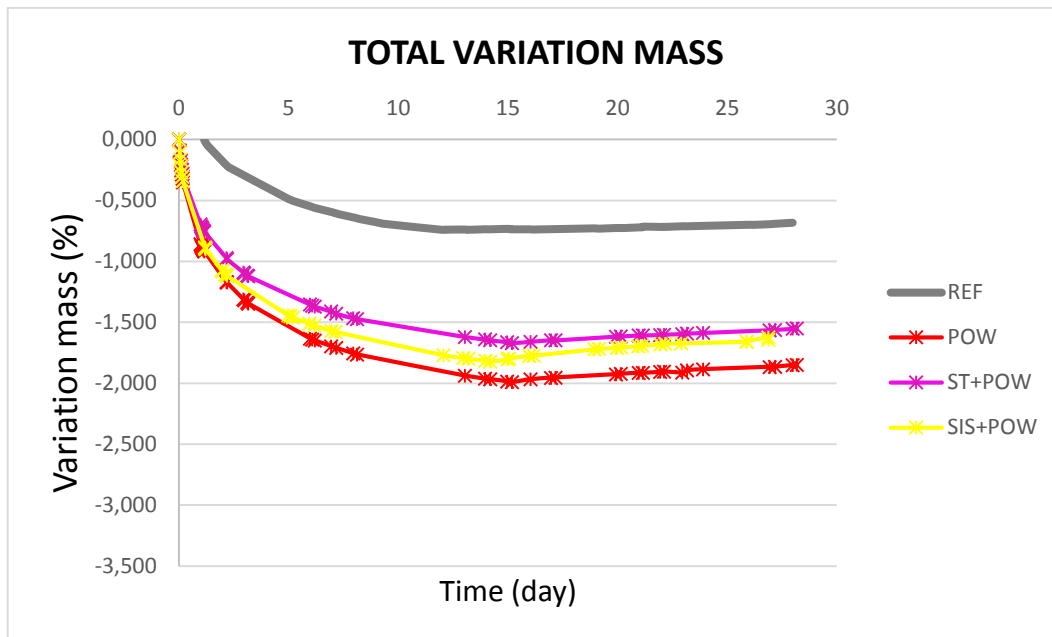


Figure 4.55- Graphic of total variation mass. Reference, Nanopowder., Nanopowder with steel, Nanopowder with sisal.

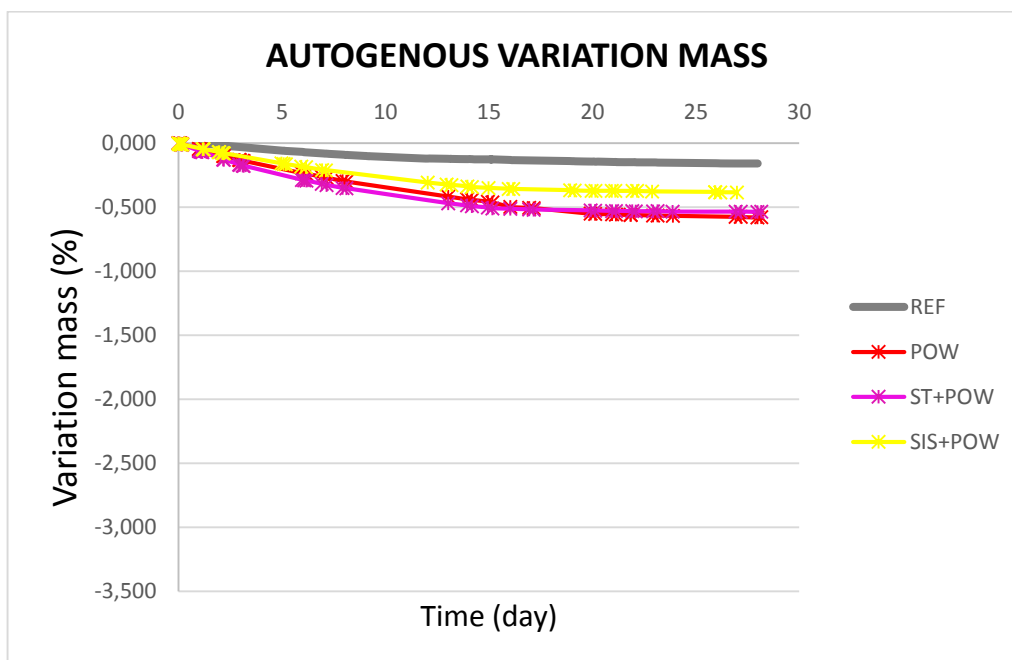


Figure 4.56- Graphic of autogenous variation mass. Reference, Nanopowder., Nanopowder with steel, Nanopowder with sisal.

In figure 4.53 it shown reference sample, nanopowder and nanopowder combined with sisal and with steel. It can be observed that the 4 mixes have a similar strain total shrinkage, having the three mixes a bit higher strain. Powder autogenous shrinkage has the same strain as the reference mix. And that is higher when it is combined with sisal or steel (figure 4.54). Respect total variation mass (figure 4.55) the three powder mixes have a similar behaviour around a 1,5% higher than reference specimen. Autogenous variation is a bit higher than reference mix in samples where the powder is present (figure 4.56).

4.3 Mechanical tests

As explained in the previous chapter, after carrying out the shrinkage campaign, the specimens were subjected to mechanical testing. First they are broken in bending and subsequently to compression. The values obtained from the mechanical tests are shown:

		BENDING (KG)	COMPRESSION(KG)
REF	DRY	-	-
	AUTO	-	-
STEEL 1,28	DRY	22,73	123,66
	AUTO	22,32	142,35
STEEL 0,64	DRY	14,10	119,90
	AUTO	14,96	148,63
SISAL SAT	DRY	13,2	91,63
	AUTO	12,22	115,28
SISAL NOT SAT	DRY	14,71	99,6
	AUTO	14,06	109,81
EUC	DRY	14,14	88,06
	AUTO	14,39	101,13
NANO	DRY	14,22	91,73
	AUTO	13,65	117,88
POWDER	DRY	10,91	81,75
	AUTO	11,28	90,48
STEEL+ SISAL SAT	DRY	11,83	106,88
	AUTO	14,78	138,37
STEEL + SISAL NON SAT	DRY	14,41	103,12
	AUTO	15,33	129,78
STEEL + NANO	DRY	14,65	108,95
	AUTO	15,39	137,68
STEEL + EUC	DRY	12,26	82,97
	AUTO	15,08	123,73
STEEL + POWDER	DRY	12,45	95,84
	AUTO	13,06	92,93
SISAL + NANO	DRY	13,18	82,44
	AUTO	16,19	108,95
SISAL + EUC	DRY	14,53	84,28
	AUTO	16,00	111,24
SISAL + POWDER	DRY	12,75	80,75
	AUTO	12,14	95,84

Table 4.3- Mechanical test results

As anticipated will have higher values in the samples in which the autogenous shrinkage was measured , that is because there is not humidity exchange with the outside world so a larger amount of water inside them allows to continue the hydration of the cement and that improves their performance.

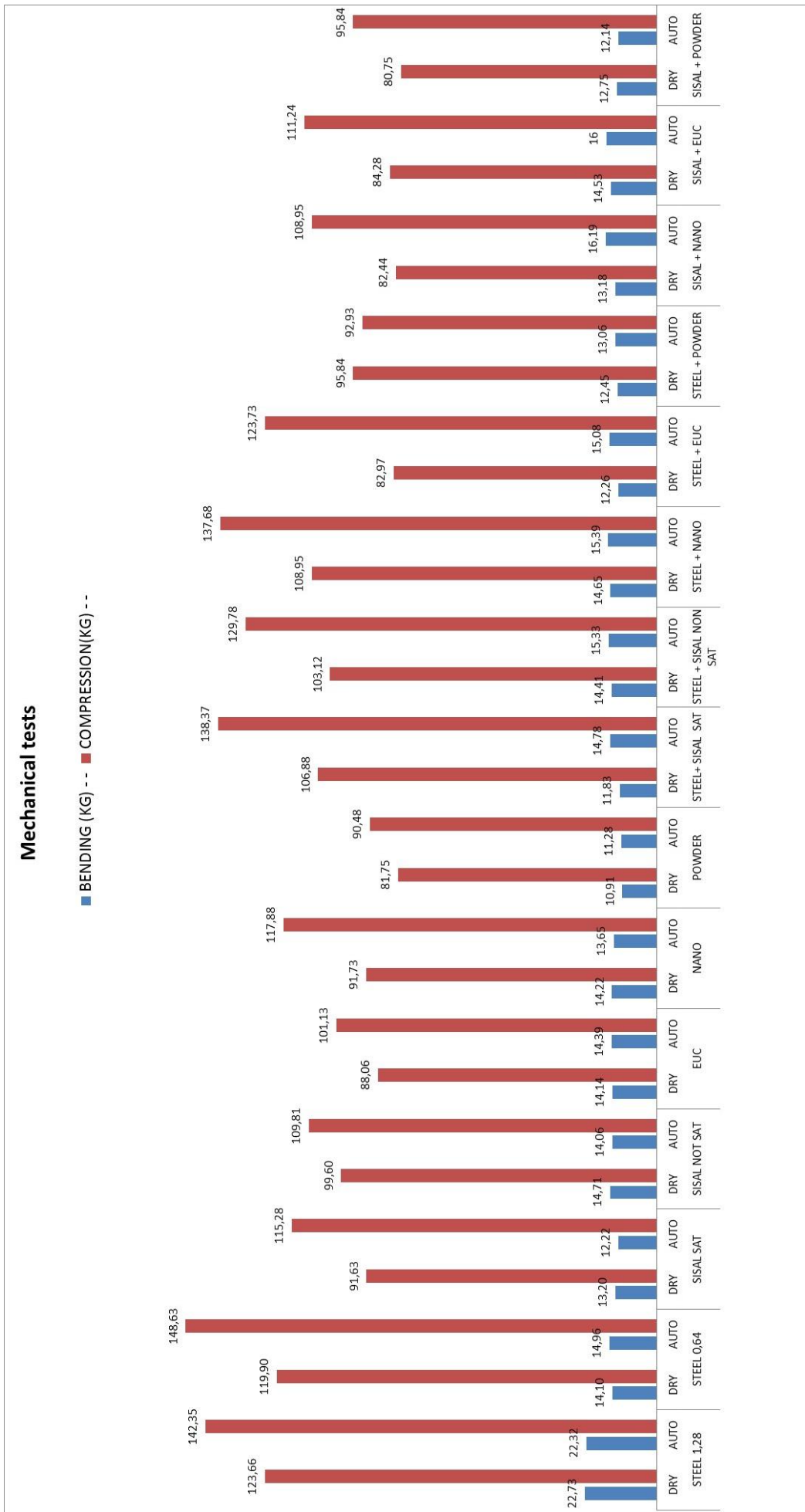


Figure 4.56- Graphic of autogenous variation mass

5. FINAL CONCLUSIONS AND FUTURE LINES OF RESEARCH

5. FINAL CONCLUSIONS AND FUTURE LINES OF RESEARCH

For retraction has been evaluated extension axial shortening and has been related to the dispersion between internal and external moisture, either in situations where the samples are in contact with the atmosphere or those that are wrapped in paper aluminium to prevent exchange with the outside. So we can say that has been studied the autogenous and total shrinkage.

5.1 Autogenous shrinkage conclusions

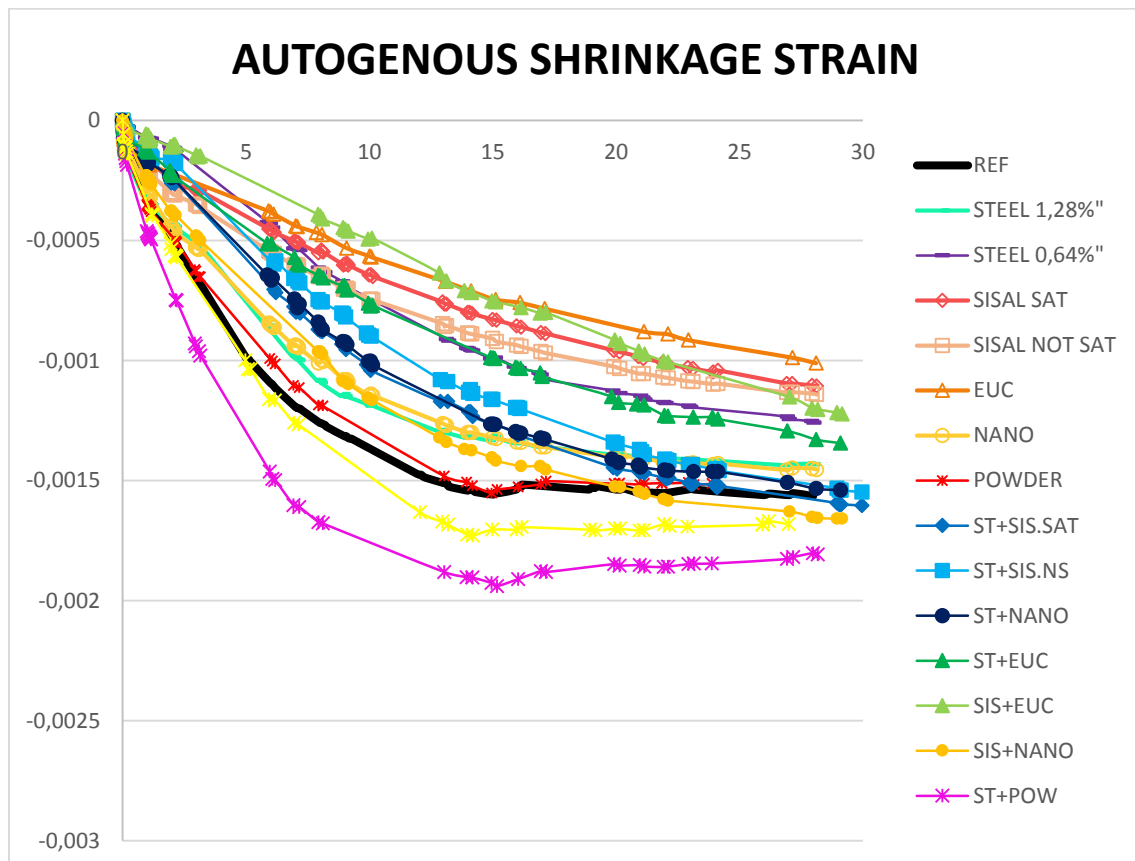


Figure 5.1- Graphic of autogenous shrinkage strain

Except the samples in which is present the nanopowder, can say that the autogenous shrinkage is lower in samples with fibers, whether natural or steel than the reference sample (which has no fiber inside). So we could say that the fibers have a positive impact on reducing autogenous shrinkage of concrete. The water absorbed by the fibers is transferred to the matrix reducing autogenous shrinkage. That not happened in the case of nanopowder due to their chemical composition causes a reaction in the concrete which produces more deformation. That is higher when powder is combined with the steel.

We can observe that the natural fibers act as connection between the interior of the matrix and the external environment, creating a porous network within the cement matrix.

5.2 Total shrinkage conclusions

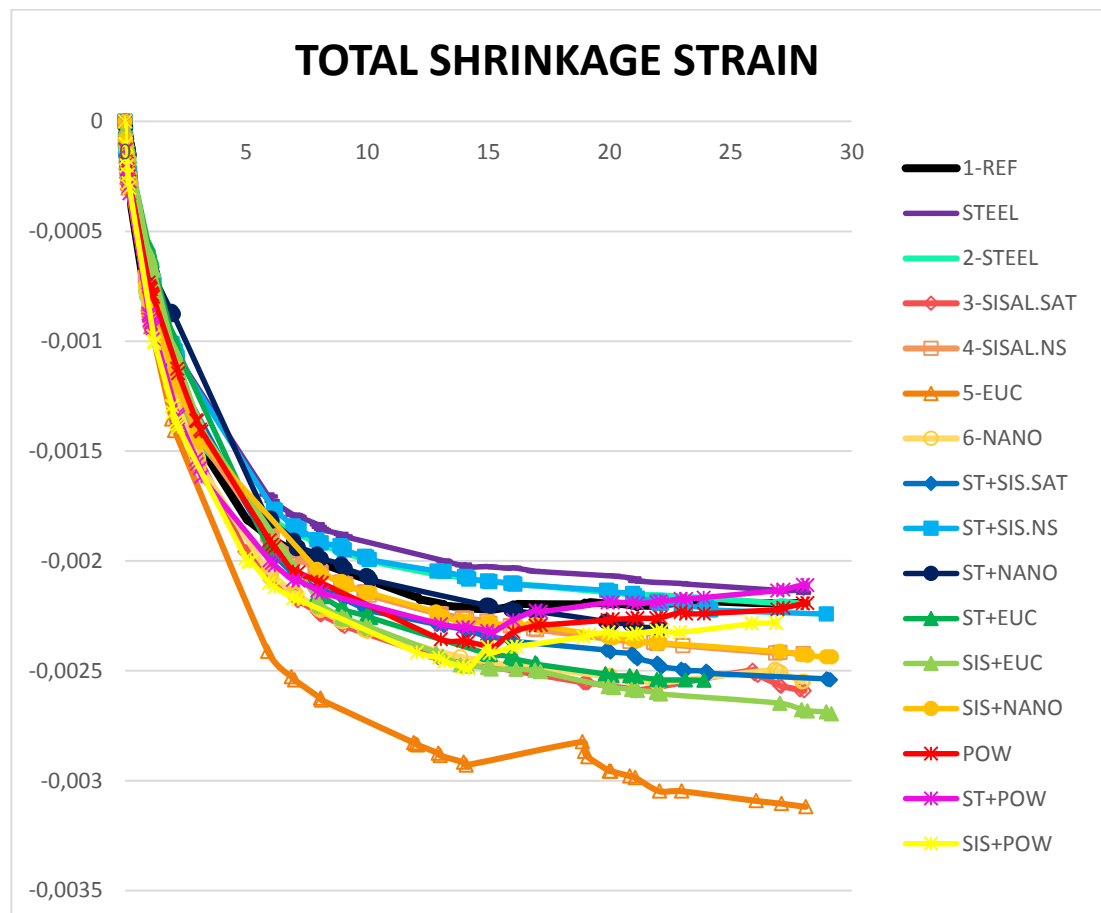


Figure 5.2- Graphic of total shrinkage strain

For the total shrinkage we can see that the samples where there are only steel fibers have a lower shrinkage than the reference sample. While shrinkage is higher than the reference sample in the other specimens where natural fibers and also steel fibers in combination with natural fibers are present. We can say that the fibers have a reverse effect on total shrinkage compared to autogenous shrinkage. This is caused by the water contained in the fibers causing flow with the outside.

5.3 Conclusions of the mechanical tests

The results of mechanical tests, both bending and compression show high resistance values. The minimum compression value is around 83MPa with the eucalyptus mix and that occurs when the dry shrinkage is studied being the bending strength around 14MPa. The maximum compression resistance occurs when the autogenous shrinkage is studied that happened with the steel mix and has a value higher than 148MPa being the bending strength 22MPa. In compression strength we can notice a difference in the values between autogenous and total shrinkage samples. That not happened in bending tests.

5.4 Future lines of research.

The experimental investigation presented in this thesis is part of a broader project, where other aspects and analyses are being carried out and others are planned to be implemented. The use of the natural and steel fibers, not only has been studied of the concrete shrinkage, a lot of research are being taken in order to study multiple processes of self-healing. Reducing the gaps in knowledge of materials can lead to a better use of resources, but also to a better production of products. It is expected that will be created new solutions "green", or at least greener than those that have been used in the area of structural engineering.

5.5 Application in laminar elements for manufactures houses.

Laminar structures are thin curved surfaces of small thickness compared to the overall dimensions of the structure, to resist loads own weight and external loads by normal compressive and / or tensile and shear, even in the thickness of the surface itself. Its efficiency is due to its curvature and warping, so its tough performance can be improved with great economy section, material and weight. They are the most efficient from a structural point of view.

Some studies have been taken about the behavior of layers of small thickness constructed with reinforced concrete with steel fibers that have been applied in various structures such as the cover Restaurant L'Oceanographic in Valencia

These elements are generally built in place but they can also be prefabricated. Prefabrication of concrete addition to the high quality and accuracy of the elements, the building industry benefits from the cost-efficiency, consistency and stability offered by production processes and irrespective of the weather precast plants.

Today many elements are built with prefabrication processes. For nearly 30 years it has spread from North America to the world this technology in the construction of houses.

The need to find solutions to improve compatibility and environmentally sustainable production of concrete has made various studies in which the use of natural or recycled concrete used in traditional materials related materials are made. The combination of the various techniques of prefabrication studies retraction of the fiber-reinforced high-strength concrete, in this case with the action of natural fibers in concrete shrinkage would allow us to get much more efficient elements.

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ANNEX 1

ANNEX 1

Below are shown the calculates of the total shrinkage strain.

STEEL 1,28%	DRY
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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
1-4-14 14:10	0,00	-0,552	0,001	-0,145	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
1-4-14 14:40	0,02	-0,568	-0,014	-0,16	-0,016	-0,015	-0,015	-1,0E-04	-9,4E-05	-9,4E-05	-9,583E-05
1-4-14 15:10	0,04	-0,577	-0,021	-0,17	-0,025	-0,022	-0,025	-1,6E-04	-1,4E-04	-1,6E-04	-1,500E-04
1-4-14 15:40	0,06	-0,583	-0,025	-0,176	-0,031	-0,026	-0,031	-1,9E-04	-1,6E-04	-1,9E-04	-1,833E-04
1-4-14 16:10	0,08	-0,59	-0,029	-0,183	-0,038	-0,03	-0,038	-2,4E-04	-1,9E-04	-2,4E-04	-2,208E-04
1-4-14 16:25	0,09	-0,592	-0,03	-0,189	-0,04	-0,031	-0,044	-2,5E-04	-1,9E-04	-2,8E-04	-2,396E-04
1-4-14 16:50	0,11	-0,594	-0,033	-0,193	-0,042	-0,034	-0,048	-2,6E-04	-2,1E-04	-3,0E-04	-2,583E-04
2-4-14 10:50	0,86	-0,676	-0,114	-0,277	-0,124	-0,115	-0,132	-7,8E-04	-7,2E-04	-8,3E-04	-7,729E-04
2-4-14 11:20	0,88	-0,678	-0,116	-0,278	-0,126	-0,117	-0,133	-7,9E-04	-7,3E-04	-8,3E-04	-7,833E-04
2-4-14 11:50	0,90	-0,68	-0,118	-0,28	-0,128	-0,119	-0,135	-8,0E-04	-7,4E-04	-8,4E-04	-7,958E-04
2-4-14 12:20	0,92	-0,681	-0,119	-0,281	-0,129	-0,12	-0,136	-8,1E-04	-7,5E-04	-8,5E-04	-8,021E-04
2-4-14 12:50	0,94	-0,682	-0,12	-0,282	-0,13	-0,121	-0,137	-8,1E-04	-7,6E-04	-8,6E-04	-8,083E-04
2-4-14 13:35	0,98	-0,686	-0,123	-0,285	-0,134	-0,124	-0,14	-8,4E-04	-7,8E-04	-8,8E-04	-8,292E-04
2-4-14 14:00	0,99	-0,688	-0,124	-0,287	-0,136	-0,125	-0,142	-8,5E-04	-7,8E-04	-8,9E-04	-8,396E-04
2-4-14 14:30	1,01	-0,688	-0,125	-0,287	-0,136	-0,126	-0,142	-8,5E-04	-7,9E-04	-8,9E-04	-8,417E-04
2-4-14 15:00	1,03	-0,69	-0,126	-0,289	-0,138	-0,127	-0,144	-8,6E-04	-7,9E-04	-9,0E-04	-8,521E-04
2-4-14 15:30	1,06	-0,691	-0,127	-0,29	-0,139	-0,128	-0,145	-8,7E-04	-8,0E-04	-9,1E-04	-8,583E-04
2-4-14 16:10	1,08	-0,694	-0,13	-0,293	-0,142	-0,131	-0,148	-8,9E-04	-8,2E-04	-9,3E-04	-8,771E-04
2-4-14 16:40	1,10	-0,694	-0,131	-0,293	-0,142	-0,132	-0,148	-8,9E-04	-8,3E-04	-9,3E-04	-8,792E-04
3-4-14 11:30	1,89	-0,74	-0,178	-0,34	-0,188	-0,179	-0,195	-1,2E-03	-1,1E-03	-1,2E-03	-1,171E-03
3-4-14 12:00	1,91	-0,74	-0,178	-0,34	-0,188	-0,179	-0,195	-1,2E-03	-1,1E-03	-1,2E-03	-1,171E-03
3-4-14 13:00	1,95	-0,743	-0,182	-0,343	-0,191	-0,183	-0,198	-1,2E-03	-1,1E-03	-1,2E-03	-1,192E-03
3-4-14 14:00	1,99	-0,745	-0,184	-0,345	-0,193	-0,185	-0,2	-1,2E-03	-1,2E-03	-1,3E-03	-1,204E-03
3-4-14 15:00	2,03	-0,747	-0,185	-0,346	-0,195	-0,186	-0,201	-1,2E-03	-1,2E-03	-1,3E-03	-1,213E-03
3-4-14 16:00	2,08	-0,749	-0,187	-0,349	-0,197	-0,188	-0,204	-1,2E-03	-1,2E-03	-1,3E-03	-1,227E-03
4-4-14 11:30	2,89	-0,781	-0,22	-0,381	-0,229	-0,221	-0,236	-1,4E-03	-1,4E-03	-1,5E-03	-1,429E-03
4-4-14 12:30	2,93	-0,782	-0,221	-0,382	-0,23	-0,222	-0,237	-1,4E-03	-1,4E-03	-1,5E-03	-1,435E-03
4-4-14 13:30	2,97	-0,784	-0,222	-0,384	-0,232	-0,223	-0,239	-1,5E-03	-1,4E-03	-1,5E-03	-1,446E-03
4-4-14 14:30	3,01	-0,785	-0,223	-0,385	-0,233	-0,224	-0,24	-1,5E-03	-1,4E-03	-1,5E-03	-1,452E-03
4-4-14 15:30	3,06	-0,786	-0,225	-0,387	-0,234	-0,226	-0,242	-1,5E-03	-1,4E-03	-1,5E-03	-1,463E-03
7-4-14 12:00	5,91	-0,84	-0,281	-0,442	-0,288	-0,282	-0,297	-1,8E-03	-1,8E-03	-1,9E-03	-1,806E-03
7-4-14 13:00	5,95	-0,841	-0,28	-0,442	-0,289	-0,281	-0,297	-1,8E-03	-1,8E-03	-1,9E-03	-1,806E-03
7-4-14 14:00	5,99	-0,841	-0,281	-0,443	-0,289	-0,282	-0,298	-1,8E-03	-1,8E-03	-1,9E-03	-1,810E-03
7-4-14 15:30	6,06	-0,841	-0,282	-0,444	-0,289	-0,283	-0,299	-1,8E-03	-1,8E-03	-1,9E-03	-1,815E-03
7-4-14 16:30	6,10	-0,842	-0,282	-0,444	-0,29	-0,283	-0,299	-1,8E-03	-1,8E-03	-1,9E-03	-1,817E-03

8-4-14 12:45	6,94	-0,85	-0,291	-0,453	-0,298	-0,292	-0,308	-1,9E-03	-1,8E-03	-1,9E-03	-1,871E-03
8-4-14 14:15	7,00	-0,851	-0,291	-0,453	-0,299	-0,292	-0,308	-1,9E-03	-1,8E-03	-1,9E-03	-1,873E-03
8-4-14 15:00	7,03	-0,851	-0,291	-0,453	-0,299	-0,292	-0,308	-1,9E-03	-1,8E-03	-1,9E-03	-1,873E-03
8-4-14 16:00	7,08	-0,852	-0,292	-0,453	-0,3	-0,293	-0,308	-1,9E-03	-1,8E-03	-1,9E-03	-1,877E-03
8-4-14 17:00	7,12	-0,852	-0,292	-0,454	-0,3	-0,293	-0,309	-1,9E-03	-1,8E-03	-1,9E-03	-1,879E-03
9-4-14 11:00	7,87	-0,857	-0,298	-0,459	-0,305	-0,299	-0,314	-1,9E-03	-1,9E-03	-2,0E-03	-1,913E-03
9-4-14 12:15	7,92	-0,858	-0,299	-0,461	-0,306	-0,3	-0,316	-1,9E-03	-1,9E-03	-2,0E-03	-1,921E-03
9-4-14 13:00	7,95	-0,857	-0,299	-0,461	-0,305	-0,3	-0,316	-1,9E-03	-1,9E-03	-2,0E-03	-1,919E-03
9-4-14 14:00	7,99	-0,858	-0,3	-0,461	-0,306	-0,301	-0,316	-1,9E-03	-1,9E-03	-2,0E-03	-1,923E-03
9-4-14 15:00	8,03	-0,859	-0,3	-0,461	-0,307	-0,301	-0,316	-1,9E-03	-1,9E-03	-2,0E-03	-1,925E-03
9-4-14 16:00	8,08	-0,859	-0,3	-0,461	-0,307	-0,301	-0,316	-1,9E-03	-1,9E-03	-2,0E-03	-1,925E-03
9-4-14 17:00	8,12	-0,859	-0,299	-0,462	-0,307	-0,3	-0,317	-1,9E-03	-1,9E-03	-2,0E-03	-1,925E-03
10-4-14 12:20	8,92	-0,864	-0,306	-0,467	-0,312	-0,307	-0,322	-2,0E-03	-1,9E-03	-2,0E-03	-1,960E-03
10-4-14 13:20	8,97	-0,865	-0,306	-0,468	-0,313	-0,307	-0,323	-2,0E-03	-1,9E-03	-2,0E-03	-1,965E-03
10-4-14 15:20	9,05	-0,866	-0,307	-0,467	-0,314	-0,308	-0,322	-2,0E-03	-1,9E-03	-2,0E-03	-1,967E-03
10-4-14 16:20	9,09	-0,866	-0,307	-0,468	-0,314	-0,308	-0,323	-2,0E-03	-1,9E-03	-2,0E-03	-1,969E-03
10-4-14 17:20	9,13	-0,866	-0,306	-0,467	-0,314	-0,307	-0,322	-2,0E-03	-1,9E-03	-2,0E-03	-1,965E-03
11-4-14 11:30	9,89	-0,87	-0,311	-0,472	-0,318	-0,312	-0,327	-2,0E-03	-2,0E-03	-2,0E-03	-1,994E-03
11-4-14 12:30	9,93	-0,87	-0,311	-0,472	-0,318	-0,312	-0,327	-2,0E-03	-2,0E-03	-2,0E-03	-1,994E-03
11-4-14 13:30	9,97	-0,87	-0,31	-0,472	-0,318	-0,311	-0,327	-2,0E-03	-1,9E-03	-2,0E-03	-1,992E-03
11-4-14 14:30	10,01	-0,871	-0,312	-0,472	-0,319	-0,313	-0,327	-2,0E-03	-2,0E-03	-2,0E-03	-1,998E-03
11-4-14 15:30	10,06	-0,87	-0,31	-0,471	-0,318	-0,311	-0,326	-2,0E-03	-1,9E-03	-2,0E-03	-1,990E-03
11-4-14 16:30	10,10	-0,871	-0,312	-0,473	-0,319	-0,313	-0,328	-2,0E-03	-2,0E-03	-2,1E-03	-2,000E-03
14-4-14 12:00	12,91	-0,882	-0,321	-0,483	-0,33	-0,322	-0,338	-2,1E-03	-2,0E-03	-2,1E-03	-2,063E-03
14-4-14 14:00	12,99	-0,881	-0,321	-0,482	-0,329	-0,322	-0,337	-2,1E-03	-2,0E-03	-2,1E-03	-2,058E-03
14-4-14 16:00	13,08	-0,881	-0,321	-0,483	-0,329	-0,322	-0,338	-2,1E-03	-2,0E-03	-2,1E-03	-2,060E-03
15-4-14 13:00	13,95	-0,884	-0,324	-0,485	-0,332	-0,325	-0,34	-2,1E-03	-2,0E-03	-2,1E-03	-2,077E-03
15-4-14 15:00	14,03	-0,884	-0,324	-0,485	-0,332	-0,325	-0,34	-2,1E-03	-2,0E-03	-2,1E-03	-2,077E-03
15-4-14 17:00	14,12	-0,885	-0,324	-0,486	-0,333	-0,325	-0,341	-2,1E-03	-2,0E-03	-2,1E-03	-2,081E-03
16-4-14 13:15	14,96	-0,886	-0,326	-0,488	-0,334	-0,327	-0,343	-2,1E-03	-2,0E-03	-2,1E-03	-2,092E-03
16-4-14 16:15	15,09	-0,886	-0,326	-0,488	-0,334	-0,327	-0,343	-2,1E-03	-2,0E-03	-2,1E-03	-2,092E-03
17-4-14 12:20	15,92	-0,888	-0,328	-0,489	-0,336	-0,329	-0,344	-2,1E-03	-2,1E-03	-2,2E-03	-2,102E-03
17-4-14 15:20	16,05	-0,888	-0,329	-0,49	-0,336	-0,33	-0,345	-2,1E-03	-2,1E-03	-2,2E-03	-2,106E-03
18-4-14 11:45	16,90	-0,889	-0,33	-0,491	-0,337	-0,331	-0,346	-2,1E-03	-2,1E-03	-2,2E-03	-2,113E-03
18-4-14 14:35	17,02	-0,89	-0,33	-0,49	-0,338	-0,331	-0,345	-2,1E-03	-2,1E-03	-2,2E-03	-2,113E-03
22-4-14 11:05	20,87	-0,896	-0,336	-0,497	-0,344	-0,337	-0,352	-2,2E-03	-2,1E-03	-2,2E-03	-2,152E-03
23-4-14 10:30	21,85	-0,896	-0,337	-0,498	-0,344	-0,338	-0,353	-2,2E-03	-2,1E-03	-2,2E-03	-2,156E-03
23-4-14 13:30	21,97	-0,896	-0,337	-0,498	-0,344	-0,338	-0,353	-2,2E-03	-2,1E-03	-2,2E-03	-2,156E-03
24-4-14 15:20	23,05	-0,897	-0,338	-0,499	-0,345	-0,339	-0,354	-2,2E-03	-2,1E-03	-2,2E-03	-2,163E-03
28-4-14 11:30	26,89	-0,901	-0,343	-0,504	-0,349	-0,344	-0,359	-2,2E-03	-2,2E-03	-2,2E-03	-2,192E-03
28-4-14 15:30	27,06	-0,9	-0,341	-0,503	-0,348	-0,342	-0,358	-2,2E-03	-2,1E-03	-2,2E-03	-2,183E-03
29-4-14 14:10	28,00	-0,902	-0,343	-0,505	-0,35	-0,344	-0,36	-2,2E-03	-2,2E-03	-2,3E-03	-2,196E-03

STEEL 0,64%

DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
28-4-15 11:55	0,00	-0,956	-0,823	-0,360	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
28-4-15 12:25	0,02	-0,972	-0,841	-0,377	-0,016	-0,018	-0,017	-1,0E-04	-1,1E-04	-1,1E-04	-1,063E-04
28-4-15 12:55	0,04	-0,975	-0,846	-0,379	-0,019	-0,023	-0,019	-1,2E-04	-1,4E-04	-1,2E-04	-1,271E-04
28-4-15 13:25	0,06	-0,986	-0,854	-0,388	-0,03	-0,031	-0,028	-1,9E-04	-1,9E-04	-1,8E-04	-1,854E-04
28-4-15 13:55	0,08	-0,990	-0,858	-0,391	-0,034	-0,035	-0,031	-2,1E-04	-2,2E-04	-1,9E-04	-2,083E-04
28-4-15 14:25	0,10	-0,986	-0,853	-0,387	-0,03	-0,03	-0,027	-1,9E-04	-1,9E-04	-1,7E-04	-1,813E-04
28-4-15 14:55	0,12	-0,991	-0,857	-0,394	-0,035	-0,034	-0,034	-2,2E-04	-2,1E-04	-2,1E-04	-2,146E-04
28-4-15 15:25	0,15	-0,995	-0,862	0,396	-0,039	-0,039	0	-2,4E-04	-2,4E-04	0,0E+00	-1,625E-04
28-4-15 15:55	0,17	-0,992	-0,861	-0,395	-0,036	-0,038	-0,035	-2,3E-04	-2,4E-04	-2,2E-04	-2,271E-04
28-4-15 16:25	0,19	-0,995	-0,864	-0,398	-0,039	-0,041	-0,038	-2,4E-04	-2,6E-04	-2,4E-04	-2,458E-04
28-4-15 16:55	0,21	-0,998	-0,864	-0,399	-0,042	-0,041	-0,039	-2,6E-04	-2,6E-04	-2,4E-04	-2,542E-04
28-4-15 17:25	0,23	-1,002	-0,869	-0,403	-0,046	-0,046	-0,043	-2,9E-04	-2,9E-04	-2,7E-04	-2,813E-04
29-4-15 10:10	0,93	-1,059	-0,930	-0,463	-0,103	-0,107	-0,103	-6,4E-04	-6,7E-04	-6,4E-04	-6,521E-04
29-4-15 10:40	0,95	-1,062	-0,930	-0,465	-0,106	-0,107	-0,105	-6,6E-04	-6,7E-04	-6,6E-04	-6,625E-04
29-4-15 12:30	1,02	-1,070	-0,938	-0,473	-0,114	-0,115	-0,113	-7,1E-04	-7,2E-04	-7,1E-04	-7,125E-04
29-4-15 12:45	1,03	-1,067	-0,936	-0,470	-0,111	-0,113	-0,11	-6,9E-04	-7,1E-04	-6,9E-04	-6,958E-04
29-4-15 13:15	1,06	-1,068	-0,935	-0,471	-0,112	-0,112	-0,111	-7,0E-04	-7,0E-04	-6,9E-04	-6,979E-04
29-4-15 13:45	1,08	-1,073	-0,940	-0,476	-0,117	-0,117	-0,116	-7,3E-04	-7,3E-04	-7,3E-04	-7,292E-04
29-4-15 14:15	1,10	-1,069	-0,939	-0,472	-0,113	-0,116	-0,112	-7,1E-04	-7,3E-04	-7,0E-04	-7,104E-04
29-4-15 14:45	1,12	-1,074	-0,943	-0,477	-0,118	-0,12	-0,117	-7,4E-04	-7,5E-04	-7,3E-04	-7,396E-04
29-4-15 15:15	1,14	-1,072	-0,941	-0,476	-0,116	-0,118	-0,116	-7,3E-04	-7,4E-04	-7,3E-04	-7,292E-04
29-4-15 15:45	1,16	-1,073	-0,942	-0,476	-0,117	-0,119	-0,116	-7,3E-04	-7,4E-04	-7,3E-04	-7,333E-04
30-4-15 10:00	1,92	-1,118	-0,987	-0,518	-0,162	-0,164	-0,158	-1,0E-03	-1,0E-03	-9,9E-04	-1,008E-03
30-4-15 11:00	1,96	-1,119	-0,989	-0,520	-0,163	-0,166	-0,16	-1,0E-03	-1,0E-03	-1,0E-03	-1,019E-03
30-4-15 12:00	2,00	-1,120	-0,989	-0,522	-0,164	-0,166	-0,162	-1,0E-03	-1,0E-03	-1,0E-03	-1,025E-03
30-4-15 13:00	2,05	-1,122	-0,991	-0,525	-0,166	-0,168	-0,165	-1,0E-03	-1,1E-03	-1,0E-03	-1,040E-03
30-4-15 14:00	2,09	-1,122	-0,991	-0,523	-0,166	-0,168	-0,163	-1,0E-03	-1,1E-03	-1,0E-03	-1,035E-03
30-4-15 15:00	2,13	-1,124	-0,993	-0,525	-0,168	-0,17	-0,165	-1,1E-03	-1,1E-03	-1,0E-03	-1,048E-03
30-4-15 16:00	2,17	-1,127	-0,996	-0,529	-0,171	-0,173	-0,169	-1,1E-03	-1,1E-03	-1,1E-03	-1,069E-03
4-5-15 8:45	5,87	-1,229	-1,097	-0,628	-0,273	-0,274	-0,268	-1,7E-03	-1,7E-03	-1,7E-03	-1,698E-03
4-5-15 11:45	5,99	-1,230	-1,098	-0,630	-0,274	-0,275	-0,27	-1,7E-03	-1,7E-03	-1,7E-03	-1,706E-03
4-5-15 13:45	6,08	-1,233	-1,102	-0,633	-0,277	-0,279	-0,273	-1,7E-03	-1,7E-03	-1,7E-03	-1,727E-03
5-5-15 10:30	6,94	-1,243	-1,112	-0,643	-0,287	-0,289	-0,283	-1,8E-03	-1,8E-03	-1,8E-03	-1,790E-03
5-5-15 12:30	7,02	-1,244	-1,112	-0,643	-0,288	-0,289	-0,283	-1,8E-03	-1,8E-03	-1,8E-03	-1,792E-03
5-5-15 14:30	7,11	-1,245	-1,112	-0,644	-0,289	-0,289	-0,284	-1,8E-03	-1,8E-03	-1,8E-03	-1,796E-03
5-5-15 16:30	7,19	-1,246	-1,113	-0,644	-0,29	-0,29	-0,284	-1,8E-03	-1,8E-03	-1,8E-03	-1,800E-03
6-5-15 10:30	7,94	-1,250	-1,119	-0,650	-0,294	-0,296	-0,29	-1,8E-03	-1,9E-03	-1,8E-03	-1,833E-03

6-5-15 12:30	8,02	-1,252	-1,121	-0,652	-0,296	-0,298	-0,292	-1,9E-03	-1,9E-03	-1,8E-03	-1,846E-03
6-5-15 14:30	8,11	-1,253	-1,122	-0,654	-0,297	-0,299	-0,294	-1,9E-03	-1,9E-03	-1,8E-03	-1,854E-03
6-5-15 16:30	8,19	-1,255	-1,124	-0,653	-0,299	-0,301	-0,293	-1,9E-03	-1,9E-03	-1,8E-03	-1,860E-03
7-5-15 10:00	8,92	-1,257	-1,127	-0,656	-0,301	-0,304	-0,296	-1,9E-03	-1,9E-03	-1,9E-03	-1,877E-03
7-5-15 12:00	9,00	-1,258	-1,128	-0,659	-0,302	-0,305	-0,299	-1,9E-03	-1,9E-03	-1,9E-03	-1,888E-03
7-5-15 14:00	9,09	-1,259	-1,128	-0,659	-0,303	-0,305	-0,299	-1,9E-03	-1,9E-03	-1,9E-03	-1,890E-03
11-5-15 15:00	13,13	-1,278	-1,144	-0,676	-0,322	-0,321	-0,316	-2,0E-03	-2,0E-03	-2,0E-03	-1,998E-03
11-5-15 17:00	13,21	-1,279	-1,145	-0,676	-0,323	-0,322	-0,316	-2,0E-03	-2,0E-03	-2,0E-03	-2,002E-03
12-5-15 10:30	13,94	-1,280	-1,151	-0,678	-0,324	-0,328	-0,318	-2,0E-03	-2,1E-03	-2,0E-03	-2,021E-03
12-5-15 12:30	14,02	-1,280	-1,149	-0,678	-0,324	-0,326	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-2,017E-03
12-5-15 14:30	14,11	-1,282	-1,150	-0,680	-0,326	-0,327	-0,32	-2,0E-03	-2,0E-03	-2,0E-03	-2,027E-03
12-5-15 16:30	14,19	-1,282	-1,150	-0,681	-0,326	-0,327	-0,321	-2,0E-03	-2,0E-03	-2,0E-03	-2,029E-03
13-5-15 10:00	14,92	-1,282	-1,150	-0,679	-0,326	-0,327	-0,319	-2,0E-03	-2,0E-03	-2,0E-03	-2,025E-03
13-5-15 12:30	15,02	-1,281	-1,151	-0,680	-0,325	-0,328	-0,32	-2,0E-03	-2,1E-03	-2,0E-03	-2,027E-03
13-5-15 14:30	15,11	-1,281	-1,151	-0,680	-0,325	-0,328	-0,32	-2,0E-03	-2,1E-03	-2,0E-03	-2,027E-03
14-5-15 9:00	15,88	-1,282	-1,152	-0,681	-0,326	-0,329	-0,321	-2,0E-03	-2,1E-03	-2,0E-03	-2,033E-03
14-5-15 11:00	15,96	-1,282	-1,151	-0,681	-0,326	-0,328	-0,321	-2,0E-03	-2,1E-03	-2,0E-03	-2,031E-03
14-5-15 13:30	16,07	-1,282	-1,151	-0,681	-0,326	-0,328	-0,321	-2,0E-03	-2,1E-03	-2,0E-03	-2,031E-03
15-5-15 9:00	16,88	-1,283	-1,153	-0,685	-0,327	-0,33	-0,325	-2,0E-03	-2,1E-03	-2,0E-03	-2,046E-03
15-5-15 11:00	16,96	-1,283	-1,154	-0,685	-0,327	-0,331	-0,325	-2,0E-03	-2,1E-03	-2,0E-03	-2,048E-03
15-5-15 13:00	17,05	-1,284	-1,154	-0,684	-0,328	-0,331	-0,324	-2,1E-03	-2,1E-03	-2,0E-03	-2,048E-03
18-5-15 8:45	19,87	-1,287	-1,156	-0,688	-0,331	-0,333	-0,328	-2,1E-03	-2,1E-03	-2,1E-03	-2,067E-03
18-5-15 15:45	20,16	-1,288	-1,156	-0,688	-0,332	-0,333	-0,328	-2,1E-03	-2,1E-03	-2,1E-03	-2,069E-03
19-5-15 12:05	21,01	-1,289	-1,159	-0,689	-0,333	-0,336	-0,329	-2,1E-03	-2,1E-03	-2,1E-03	-2,079E-03
19-5-15 14:05	21,09	-1,292	-1,160	-0,691	-0,336	-0,337	-0,331	-2,1E-03	-2,1E-03	-2,1E-03	-2,092E-03
19-5-15 16:05	21,17	-1,292	-1,160	-0,691	-0,336	-0,337	-0,331	-2,1E-03	-2,1E-03	-2,1E-03	-2,092E-03
20-5-15 11:00	21,96	-1,293	-1,161	-0,692	-0,337	-0,338	-0,332	-2,1E-03	-2,1E-03	-2,1E-03	-2,098E-03
20-5-15 13:00	22,05	-1,293	-1,161	-0,692	-0,337	-0,338	-0,332	-2,1E-03	-2,1E-03	-2,1E-03	-2,098E-03
21-5-15 10:30	22,94	-1,294	-1,162	-0,692	-0,338	-0,339	-0,332	-2,1E-03	-2,1E-03	-2,1E-03	-2,102E-03
21-5-15 12:30	23,02	-1,294	-1,163	-0,692	-0,338	-0,34	-0,332	-2,1E-03	-2,1E-03	-2,1E-03	-2,104E-03
25-5-15 10:30	26,94	-1,300	-1,167	-0,696	-0,344	-0,344	-0,336	-2,2E-03	-2,2E-03	-2,1E-03	-2,133E-03
25-5-15 12:30	27,02	-1,301	-1,167	-0,697	-0,345	-0,344	-0,337	-2,2E-03	-2,2E-03	-2,1E-03	-2,138E-03
26-5-15 10:20	27,93	-1,301	-1,166	-0,696	-0,345	-0,343	-0,336	-2,2E-03	-2,1E-03	-2,1E-03	-2,133E-03
26-5-15 12:20	28,02	-1,302	-1,168	-0,699	-0,346	-0,345	-0,339	-2,2E-03	-2,2E-03	-2,1E-03	-2,146E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-4-14 13:00	0,00	-0,630	-0,193	-0,585	0,000	0,000	0,000	-3,94E-03	-1,21E-03	-3,66E-03	0,000E+00
9-4-14 13:20	0,01	-0,648	-0,213	-0,601	0,000	0,000	0,000	-4,05E-03	-1,33E-03	-3,76E-03	0,000E+00
9-4-14 13:45	0,03	-0,652	-0,219	-0,608	0,000	0,000	0,000	-4,08E-03	-1,37E-03	-3,80E-03	0,000E+00
9-4-14 14:15	0,05	-0,659	-0,226	-0,614	0,000	0,000	0,000	-4,12E-03	-1,41E-03	-3,84E-03	0,000E+00
9-4-14 14:35	0,07	-0,662	-0,229	-0,617	0,000	0,000	0,000	-4,14E-03	-1,43E-03	-3,86E-03	0,000E+00
9-4-14 15:00	0,08	-0,667	-0,233	-0,621	0,000	0,000	0,000	-4,17E-03	-1,46E-03	-3,88E-03	0,000E+00
9-4-14 15:30	0,10	-0,669	-0,234	-0,623	0,000	0,000	0,000	-4,18E-03	-1,46E-03	-3,89E-03	0,000E+00
9-4-14 16:00	0,13	-0,672	-0,238	-0,627	0,000	0,000	0,000	-4,20E-03	-1,49E-03	-3,92E-03	0,000E+00
9-4-14 16:30	0,15	-0,675	-0,241	-0,630	0,000	0,000	0,000	-4,22E-03	-1,51E-03	-3,94E-03	0,000E+00
9-4-14 17:00	0,17	-0,680	-0,246	-0,635	0,000	0,000	0,000	-4,25E-03	-1,54E-03	-3,97E-03	0,000E+00
10-4-14 12:20	0,97	-0,766	-0,330	-0,721	0,000	0,000	0,000	-4,79E-03	-2,06E-03	-4,51E-03	0,000E+00
10-4-14 13:20	1,01	-0,769	-0,333	-0,724	0,000	0,000	0,000	-4,81E-03	-2,08E-03	-4,53E-03	0,000E+00
10-4-14 14:20	1,06	-0,773	-0,337	-0,728	0,000	0,000	0,000	-4,83E-03	-2,11E-03	-4,55E-03	0,000E+00
10-4-14 15:20	1,10	-0,777	-0,340	-0,731	0,000	0,000	0,000	-4,86E-03	-2,13E-03	-4,57E-03	0,000E+00
10-4-14 16:20	1,14	-0,779	-0,342	-0,734	0,000	0,000	0,000	-4,87E-03	-2,14E-03	-4,59E-03	0,000E+00
10-4-14 17:20	1,18	-0,782	-0,345	-0,737	0,000	0,000	0,000	-4,89E-03	-2,16E-03	-4,61E-03	0,000E+00
11-4-14 11:30	1,94	-0,832	-0,394	-0,786	0,000	0,000	0,000	-5,20E-03	-2,46E-03	-4,91E-03	0,000E+00
11-4-14 12:30	1,98	-0,834	-0,397	-0,788	0,000	0,000	0,000	-5,21E-03	-2,48E-03	-4,93E-03	0,000E+00
11-4-14 13:30	2,02	-0,836	-0,399	-0,791	0,000	0,000	0,000	-5,23E-03	-2,49E-03	-4,94E-03	0,000E+00
11-4-14 14:30	2,06	-0,838	-0,401	-0,792	0,000	0,000	0,000	-5,24E-03	-2,51E-03	-4,95E-03	0,000E+00
11-4-14 15:30	2,10	-0,840	-0,403	-0,794	0,000	0,000	0,000	-5,25E-03	-2,52E-03	-4,96E-03	0,000E+00
11-4-14 16:30	2,15	-0,843	-0,406	-0,797	0,000	0,000	0,000	-5,27E-03	-2,54E-03	-4,98E-03	0,000E+00
14-4-14 12:00	4,96	-0,945	-0,506	-0,897	0,000	0,000	0,000	-5,91E-03	-3,16E-03	-5,61E-03	0,000E+00
14-4-14 13:00	5,00	-0,945	-0,506	-0,897	0,000	0,000	0,000	-5,91E-03	-3,16E-03	-5,61E-03	0,000E+00
14-4-14 14:00	5,04	-0,945	-0,507	-0,899	0,000	0,000	0,000	-5,91E-03	-3,17E-03	-5,62E-03	0,000E+00
14-4-14 15:00	5,08	-0,947	-0,508	-0,899	0,000	0,000	0,000	-5,92E-03	-3,18E-03	-5,62E-03	0,000E+00
14-4-14 16:00	5,13	-0,948	-0,509	-0,900	0,000	0,000	0,000	-5,93E-03	-3,18E-03	-5,63E-03	0,000E+00
15-4-14 13:00	6,00	-0,966	-0,527	-0,917	0,000	0,000	0,000	-6,04E-03	-3,29E-03	-5,73E-03	0,000E+00
15-4-14 14:00	6,04	-0,965	-0,526	-0,917	0,000	0,000	0,000	-6,03E-03	-3,29E-03	-5,73E-03	0,000E+00
15-4-14 15:00	6,08	-0,966	-0,527	-0,918	0,000	0,000	0,000	-6,04E-03	-3,29E-03	-5,74E-03	0,000E+00
15-4-14 16:00	6,13	-0,966	-0,528	-0,919	0,000	0,000	0,000	-6,04E-03	-3,30E-03	-5,74E-03	0,000E+00
15-4-14 17:00	6,17	-0,965	-0,529	-0,919	0,000	0,000	0,000	-6,03E-03	-3,31E-03	-5,74E-03	0,000E+00
16-4-14 13:15	7,01	-0,976	-0,538	-0,930	0,000	0,000	0,000	-6,10E-03	-3,36E-03	-5,81E-03	0,000E+00
16-4-14 14:15	7,05	-0,978	-0,539	-0,930	0,000	0,000	0,000	-6,11E-03	-3,37E-03	-5,81E-03	0,000E+00
16-4-14 15:15	7,09	-0,980	-0,540	-0,931	0,000	0,000	0,000	-6,13E-03	-3,38E-03	-5,82E-03	0,000E+00
16-4-14 16:15	7,14	-0,981	-0,541	-0,933	0,000	0,000	0,000	-6,13E-03	-3,38E-03	-5,83E-03	0,000E+00
17-4-14 12:20	7,97	-0,989	-0,550	-0,941	0,000	0,000	0,000	-6,18E-03	-3,44E-03	-5,88E-03	0,000E+00

17-4-14 13:20	8,01	-0,990	-0,551	-0,942	0,000	0,000	0,000	-6,19E-03	-3,44E-03	-5,89E-03	0,000E+00
17-4-14 14:20	8,06	-0,991	-0,551	-0,943	0,000	0,000	0,000	-6,19E-03	-3,44E-03	-5,89E-03	0,000E+00
17-4-14 15:20	8,10	-0,991	-0,551	-0,944	0,000	0,000	0,000	-6,19E-03	-3,44E-03	-5,90E-03	0,000E+00
18-4-14 11:45	8,95	-0,999	-0,559	-0,950	0,000	0,000	0,000	-6,24E-03	-3,49E-03	-5,94E-03	0,000E+00
18-4-14 14:35	9,07	-0,999	-0,560	-0,952	0,000	0,000	0,000	-6,24E-03	-3,50E-03	-5,95E-03	0,000E+00
22-4-14 11:05	12,92	-1,023	-0,582	-0,974	0,000	0,000	0,000	-6,39E-03	-3,64E-03	-6,09E-03	0,000E+00
23-4-14 10:30	13,90	-1,026	-0,586	-0,977	0,000	0,000	0,000	-6,41E-03	-3,66E-03	-6,11E-03	0,000E+00
23-4-14 13:30	14,02	-1,027	-0,587	-0,978	0,000	0,000	0,000	-6,42E-03	-3,67E-03	-6,11E-03	0,000E+00
24-4-14 15:20	15,10	-1,030	-0,590	-0,982	0,000	0,000	0,000	-6,44E-03	-3,69E-03	-6,14E-03	0,000E+00
24-4-14 16:20	15,14	-1,030	-0,589	-0,981	0,000	0,000	0,000	-6,44E-03	-3,68E-03	-6,13E-03	0,000E+00
28-4-14 11:30	18,94	-1,042	-0,600	-0,992	0,000	0,000	0,000	-6,51E-03	-3,75E-03	-6,20E-03	0,000E+00
28-4-14 13:30	19,02	-1,041	-0,601	-0,992	0,000	0,000	0,000	-6,51E-03	-3,76E-03	-6,20E-03	0,000E+00
28-4-14 15:30	19,10	-1,041	-0,601	-0,992	0,000	0,000	0,000	-6,51E-03	-3,76E-03	-6,20E-03	0,000E+00
29-4-14 12:00	19,96	-1,045	-0,603	-0,994	0,000	0,000	0,000	-6,53E-03	-3,77E-03	-6,21E-03	0,000E+00
29-4-14 14:00	20,04	-1,044	-0,603	-0,995	0,000	0,000	0,000	-6,53E-03	-3,77E-03	-6,22E-03	0,000E+00
30-4-14 13:00	21,00	-1,046	-0,605	-0,998	0,000	0,000	0,000	-6,54E-03	-3,78E-03	-6,24E-03	0,000E+00
30-4-14 15:30	21,10	-1,047	-0,606	-0,999	0,000	0,000	0,000	-6,54E-03	-3,79E-03	-6,24E-03	0,000E+00
5-5-14 10:50	25,91	-1,031	-0,592	-0,984	0,000	0,000	0,000	-6,44E-03	-3,70E-03	-6,15E-03	0,000E+00
5-5-14 12:50	25,99	-1,034	-0,594	-0,987	0,000	0,000	0,000	-6,46E-03	-3,71E-03	-6,17E-03	0,000E+00
5-5-14 16:00	26,13	-1,035	-0,596	-0,987	0,000	0,000	0,000	-6,47E-03	-3,73E-03	-6,17E-03	0,000E+00
6-5-14 13:30	27,02	-1,043	-0,602	-0,995	0,000	0,000	0,000	-6,52E-03	-3,76E-03	-6,22E-03	0,000E+00
6-5-14 15:00	27,08	-1,044	-0,603	-0,995	0,000	0,000	0,000	-6,53E-03	-3,77E-03	-6,22E-03	0,000E+00
7-5-14 9:40	27,86	-1,046	-0,606	-0,998	0,000	0,000	0,000	-6,54E-03	-3,79E-03	-6,24E-03	0,000E+00
7-5-14 14:00	28,04	-1,047	-0,606	-0,999	0,000	0,000	0,000	-6,54E-03	-3,79E-03	-6,24E-03	0,000E+00

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
1-4-14 14:40	0,00	0,32	0,077	-0,972	0,000	0,000	0,000	0,0E+00	0,0E+00	0,0E+00	0,000E+00
1-4-14 15:10	0,02	0,308	0,063	-0,983	-0,012	-0,014	-0,011	-7,5E-05	-8,8E-05	-6,9E-05	-7,708E-05
1-4-14 15:40	0,04	0,303	0,058	-0,989	-0,017	-0,019	-0,017	-1,1E-04	-1,2E-04	-1,1E-04	-1,104E-04
1-4-14 16:10	0,06	0,297	0,053	-0,99	-0,023	-0,024	-0,018	-1,4E-04	-1,5E-04	-1,1E-04	-1,354E-04
1-4-14 16:25	0,07	0,296	0,052	-0,995	-0,024	-0,025	-0,023	-1,5E-04	-1,6E-04	-1,4E-04	-1,500E-04
1-4-14 16:50	0,09	0,294	0,049	-0,998	-0,026	-0,028	-0,026	-1,6E-04	-1,8E-04	-1,6E-04	-1,667E-04
2-4-14 10:50	0,84	0,206	-0,035	-1,086	-0,114	-0,112	-0,114	-7,1E-04	-7,0E-04	-7,1E-04	-7,083E-04
2-4-14 11:20	0,86	0,205	-0,037	-1,087	-0,115	-0,114	-0,115	-7,2E-04	-7,1E-04	-7,2E-04	-7,167E-04
2-4-14 11:50	0,88	0,203	-0,039	-1,089	-0,117	-0,116	-0,117	-7,3E-04	-7,3E-04	-7,3E-04	-7,292E-04
2-4-14 12:20	0,90	0,202	-0,04	-1,09	-0,118	-0,117	-0,118	-7,4E-04	-7,3E-04	-7,4E-04	-7,354E-04
2-4-14 12:50	0,92	0,202	-0,042	-1,092	-0,118	-0,119	-0,120	-7,4E-04	-7,4E-04	-7,5E-04	-7,438E-04
2-4-14 13:35	0,95	0,199	-0,045	-1,095	-0,121	-0,122	-0,123	-7,6E-04	-7,6E-04	-7,7E-04	-7,625E-04
2-4-14 14:00	0,97	0,197	-0,047	-1,096	-0,123	-0,124	-0,124	-7,7E-04	-7,8E-04	-7,8E-04	-7,729E-04
2-4-14 14:30	0,99	0,195	-0,047	-1,097	-0,125	-0,124	-0,125	-7,8E-04	-7,8E-04	-7,8E-04	-7,792E-04
2-4-14 15:00	1,01	0,194	-0,049	-1,099	-0,126	-0,126	-0,127	-7,9E-04	-7,9E-04	-7,9E-04	-7,896E-04
2-4-14 15:30	1,03	0,192	-0,05	-1,1	-0,128	-0,127	-0,128	-8,0E-04	-7,9E-04	-8,0E-04	-7,979E-04
2-4-14 16:10	1,06	0,191	-0,052	-1,102	-0,129	-0,129	-0,130	-8,1E-04	-8,1E-04	-8,1E-04	-8,083E-04
2-4-14 16:40	1,08	0,189	-0,054	-1,104	-0,131	-0,131	-0,132	-8,2E-04	-8,2E-04	-8,3E-04	-8,208E-04
3-4-14 11:30	1,87	0,14	-0,101	-1,152	-0,180	-0,178	-0,180	-1,1E-03	-1,1E-03	-1,1E-03	-1,121E-03
3-4-14 12:00	1,89	0,139	-0,103	-1,153	-0,181	-0,180	-0,181	-1,1E-03	-1,1E-03	-1,1E-03	-1,129E-03
3-4-14 13:00	1,93	0,137	-0,104	-1,155	-0,183	-0,181	-0,183	-1,1E-03	-1,1E-03	-1,1E-03	-1,140E-03
3-4-14 14:00	1,97	0,135	-0,106	-1,158	-0,185	-0,183	-0,186	-1,2E-03	-1,1E-03	-1,2E-03	-1,154E-03
3-4-14 15:00	2,01	0,132	-0,109	-1,16	-0,188	-0,186	-0,188	-1,2E-03	-1,2E-03	-1,2E-03	-1,171E-03
3-4-14 16:00	2,06	0,13	-0,111	-1,162	-0,190	-0,188	-0,190	-1,2E-03	-1,2E-03	-1,2E-03	-1,183E-03
4-4-14 11:30	2,87	0,095	-0,146	-1,198	-0,225	-0,223	-0,226	-1,4E-03	-1,4E-03	-1,4E-03	-1,404E-03
4-4-14 12:30	2,91	0,094	-0,147	-1,199	-0,226	-0,224	-0,227	-1,4E-03	-1,4E-03	-1,4E-03	-1,410E-03
4-4-14 13:30	2,95	0,093	-0,148	-1,201	-0,227	-0,225	-0,229	-1,4E-03	-1,4E-03	-1,4E-03	-1,419E-03
4-4-14 14:30	2,99	0,091	-0,15	-1,202	-0,229	-0,227	-0,230	-1,4E-03	-1,4E-03	-1,4E-03	-1,429E-03
4-4-14 15:30	3,03	0,09	-0,152	-1,203	-0,230	-0,229	-0,231	-1,4E-03	-1,4E-03	-1,4E-03	-1,438E-03
7-4-14 12:00	5,89	0,018	-0,222	-1,274	-0,302	-0,299	-0,302	-1,9E-03	-1,9E-03	-1,9E-03	-1,881E-03
7-4-14 13:00	5,93	0,018	-0,222	-1,275	-0,302	-0,299	-0,303	-1,9E-03	-1,9E-03	-1,9E-03	-1,883E-03
7-4-14 14:00	5,97	0,017	-0,224	-1,276	-0,303	-0,301	-0,304	-1,9E-03	-1,9E-03	-1,9E-03	-1,892E-03
7-4-14 15:30	6,03	0,016	-0,224	-1,277	-0,304	-0,301	-0,305	-1,9E-03	-1,9E-03	-1,9E-03	-1,896E-03
7-4-14 16:30	6,08	0,016	-0,224	-1,277	-0,304	-0,301	-0,305	-1,9E-03	-1,9E-03	-1,9E-03	-1,896E-03
8-4-14 12:45	6,92	0,004	-0,236	-1,289	-0,316	-0,313	-0,317	-2,0E-03	-2,0E-03	-2,0E-03	-1,971E-03
8-4-14 14:15	6,98	0,003	-0,238	-1,29	-0,317	-0,315	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-1,979E-03
8-4-14 15:00	7,01	0,003	-0,237	-1,29	-0,317	-0,314	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-1,977E-03
8-4-14 16:00	7,06	0,003	-0,238	-1,29	-0,317	-0,315	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-1,979E-03
8-4-14 17:00	7,10	0,002	-0,239	-1,29	-0,318	-0,316	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-1,983E-03

9-4-14 11:00	7,85	-0,006	-0,247	-1,299	-0,326	-0,324	-0,327	-2,0E-03	-2,0E-03	-2,0E-03	-2,035E-03
9-4-14 12:15	7,90	-0,007	-0,247	-1,3	-0,327	-0,324	-0,328	-2,0E-03	-2,0E-03	-2,1E-03	-2,040E-03
9-4-14 13:00	7,93	-0,007	-0,247	-1,299	-0,327	-0,324	-0,327	-2,0E-03	-2,0E-03	-2,0E-03	-2,038E-03
9-4-14 14:00	7,97	-0,007	-0,248	-1,3	-0,327	-0,325	-0,328	-2,0E-03	-2,0E-03	-2,1E-03	-2,042E-03
9-4-14 15:00	8,01	-0,008	-0,248	-1,301	-0,328	-0,325	-0,329	-2,1E-03	-2,0E-03	-2,1E-03	-2,046E-03
9-4-14 16:00	8,06	-0,008	-0,249	-1,301	-0,328	-0,326	-0,329	-2,1E-03	-2,0E-03	-2,1E-03	-2,048E-03
9-4-14 17:00	8,10	-0,009	-0,25	-1,302	-0,329	-0,327	-0,330	-2,1E-03	-2,0E-03	-2,1E-03	-2,054E-03
10-4-14 12:20	8,90	-0,016	-0,257	-1,309	-0,336	-0,334	-0,337	-2,1E-03	-2,1E-03	-2,1E-03	-2,098E-03
10-4-14 13:20	8,94	-0,016	-0,257	-1,309	-0,336	-0,334	-0,337	-2,1E-03	-2,1E-03	-2,1E-03	-2,098E-03
10-4-14 15:20	9,03	-0,017	-0,258	-1,31	-0,337	-0,335	-0,338	-2,1E-03	-2,1E-03	-2,1E-03	-2,104E-03
10-4-14 16:20	9,07	-0,018	-0,258	-1,31	-0,338	-0,335	-0,338	-2,1E-03	-2,1E-03	-2,1E-03	-2,106E-03
10-4-14 17:20	9,11	-0,018	-0,258	-1,31	-0,338	-0,335	-0,338	-2,1E-03	-2,1E-03	-2,1E-03	-2,106E-03
11-4-14 11:30	9,87	-0,024	-0,264	-1,316	-0,344	-0,341	-0,344	-2,2E-03	-2,1E-03	-2,2E-03	-2,144E-03
11-4-14 12:30	9,91	-0,024	-0,264	-1,315	-0,344	-0,341	-0,343	-2,2E-03	-2,1E-03	-2,1E-03	-2,142E-03
11-4-14 13:30	9,95	-0,024	-0,265	-1,316	-0,344	-0,342	-0,344	-2,2E-03	-2,1E-03	-2,2E-03	-2,146E-03
11-4-14 14:30	9,99	-0,023	-0,264	-1,316	-0,343	-0,341	-0,344	-2,1E-03	-2,1E-03	-2,2E-03	-2,142E-03
11-4-14 15:30	10,03	-0,023	-0,264	-1,316	-0,343	-0,341	-0,344	-2,1E-03	-2,1E-03	-2,2E-03	-2,142E-03
11-4-14 16:30	10,08	-0,025	-0,267	-1,318	-0,345	-0,344	-0,346	-2,2E-03	-2,2E-03	-2,2E-03	-2,156E-03
14-4-14 12:00	12,89	-0,039	-0,28	-1,331	-0,359	-0,357	-0,359	-2,2E-03	-2,2E-03	-2,2E-03	-2,240E-03
14-4-14 14:00	12,97	-0,039	-0,28	-1,332	-0,359	-0,357	-0,360	-2,2E-03	-2,2E-03	-2,3E-03	-2,242E-03
14-4-14 16:00	13,06	-0,039	-0,28	-1,332	-0,359	-0,357	-0,360	-2,2E-03	-2,2E-03	-2,3E-03	-2,242E-03
15-4-14 13:00	13,93	-0,042	-0,283	-1,335	-0,362	-0,360	-0,363	-2,3E-03	-2,3E-03	-2,3E-03	-2,260E-03
15-4-14 15:00	14,01	-0,043	-0,283	-1,335	-0,363	-0,360	-0,363	-2,3E-03	-2,3E-03	-2,3E-03	-2,263E-03
15-4-14 17:00	14,10	-0,043	-0,283	-1,335	-0,363	-0,360	-0,363	-2,3E-03	-2,3E-03	-2,3E-03	-2,263E-03
16-4-14 13:15	14,94	-0,045	-0,286	-1,336	-0,365	-0,363	-0,364	-2,3E-03	-2,3E-03	-2,3E-03	-2,275E-03
16-4-14 16:15	15,07	-0,047	-0,287	-1,338	-0,367	-0,364	-0,366	-2,3E-03	-2,3E-03	-2,3E-03	-2,285E-03
17-4-14 12:20	15,90	-0,048	-0,289	-1,34	-0,368	-0,366	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,296E-03
17-4-14 15:20	16,03	-0,049	-0,288	-1,34	-0,369	-0,365	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,296E-03
18-4-14 11:45	16,88	-0,051	-0,29	-1,342	-0,371	-0,367	-0,370	-2,3E-03	-2,3E-03	-2,3E-03	-2,308E-03
18-4-14 14:35	17,00	-0,051	-0,291	-1,343	-0,371	-0,368	-0,371	-2,3E-03	-2,3E-03	-2,3E-03	-2,313E-03
22-4-14 11:05	20,85	-0,06	-0,3	-1,351	-0,380	-0,377	-0,379	-2,4E-03	-2,4E-03	-2,4E-03	-2,367E-03
23-4-14 10:30	21,83	-0,061	-0,3	-1,352	-0,381	-0,377	-0,380	-2,4E-03	-2,4E-03	-2,4E-03	-2,371E-03
23-4-14 13:30	21,95	-0,061	-0,301	-1,353	-0,381	-0,378	-0,381	-2,4E-03	-2,4E-03	-2,4E-03	-2,375E-03
24-4-14 15:20	23,03	-0,062	-0,303	-1,355	-0,382	-0,380	-0,383	-2,4E-03	-2,4E-03	-2,4E-03	-2,385E-03
28-4-14 11:30	26,87	-0,068	-0,308	-1,36	-0,388	-0,385	-0,388	-2,4E-03	-2,4E-03	-2,4E-03	-2,419E-03
28-4-14 15:30	27,03	-0,067	-0,308	-1,36	-0,387	-0,385	-0,388	-2,4E-03	-2,4E-03	-2,4E-03	-2,417E-03
29-4-14 14:45	28,00	-0,068	-0,309	-1,361	-0,388	-0,386	-0,389	-2,4E-03	-2,4E-03	-2,4E-03	-2,423E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
16-4-14 13:35	0,00	-0,158	-0,15	-0,247	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
16-4-14 14:15	0,03	-0,181	-0,17	-0,267	-0,023	-0,02	-0,02	-1,4E-04	-1,3E-04	-1,3E-04	-1,313E-04
16-4-14 14:35	0,04	-0,19	-0,18	-0,274	-0,032	-0,03	-0,027	-2,0E-04	-1,9E-04	-1,7E-04	-1,854E-04
16-4-14 15:05	0,06	-0,196	-0,185	-0,283	-0,038	-0,035	-0,036	-2,4E-04	-2,2E-04	-2,3E-04	-2,271E-04
16-4-14 15:35	0,08	-0,2	-0,19	-0,287	-0,042	-0,04	-0,04	-2,6E-04	-2,5E-04	-2,5E-04	-2,542E-04
16-4-14 16:05	0,10	-0,205	-0,194	-0,291	-0,047	-0,044	-0,044	-2,9E-04	-2,8E-04	-2,8E-04	-2,813E-04
16-4-14 16:35	0,13	-0,209	-0,197	-0,294	-0,051	-0,047	-0,047	-3,2E-04	-2,9E-04	-2,9E-04	-3,021E-04
17-4-14 12:20	0,95	-0,296	-0,282	-0,376	-0,138	-0,132	-0,129	-8,6E-04	-8,3E-04	-8,1E-04	-8,313E-04
17-4-14 12:50	0,97	-0,301	-0,283	-0,377	-0,143	-0,133	-0,13	-8,9E-04	-8,3E-04	-8,1E-04	-8,458E-04
17-4-14 13:20	0,99	-0,304	-0,286	-0,378	-0,146	-0,136	-0,131	-9,1E-04	-8,5E-04	-8,2E-04	-8,604E-04
17-4-14 13:50	1,01	-0,306	-0,288	-0,383	-0,148	-0,138	-0,136	-9,3E-04	-8,6E-04	-8,5E-04	-8,792E-04
17-4-14 14:20	1,03	-0,314	-0,292	-0,384	-0,156	-0,142	-0,137	-9,8E-04	-8,9E-04	-8,6E-04	-9,063E-04
17-4-14 14:50	1,05	-0,314	-0,295	-0,383	-0,156	-0,145	-0,136	-9,8E-04	-9,1E-04	-8,5E-04	-9,104E-04
17-4-14 15:20	1,07	-0,318	-0,298	-0,388	-0,16	-0,148	-0,141	-1,0E-03	-9,3E-04	-8,8E-04	-9,354E-04
18-4-14 11:45	1,92	-0,389	-0,364	-0,452	-0,231	-0,214	-0,205	-1,4E-03	-1,3E-03	-1,3E-03	-1,354E-03
18-4-14 14:35	2,04	-0,396	-0,373	-0,461	-0,238	-0,223	-0,214	-1,5E-03	-1,4E-03	-1,3E-03	-1,406E-03
22-4-14 11:05	5,90	-0,558	-0,531	-0,624	-0,4	-0,381	-0,377	-2,5E-03	-2,4E-03	-2,4E-03	-2,413E-03
23-4-14 10:30	6,87	-0,576	-0,55	-0,642	-0,418	-0,4	-0,395	-2,6E-03	-2,5E-03	-2,5E-03	-2,527E-03
23-4-14 13:30	7,00	-0,578	-0,552	-0,645	-0,42	-0,402	-0,398	-2,6E-03	-2,5E-03	-2,5E-03	-2,542E-03
24-4-14 15:20	8,07	-0,592	-0,566	-0,657	-0,434	-0,416	-0,41	-2,7E-03	-2,6E-03	-2,6E-03	-2,625E-03
24-4-14 16:20	8,11	-0,593	-0,567	-0,659	-0,435	-0,417	-0,412	-2,7E-03	-2,6E-03	-2,6E-03	-2,633E-03
28-4-14 11:30	11,91	-0,624	-0,598	-0,69	-0,466	-0,448	-0,443	-2,9E-03	-2,8E-03	-2,8E-03	-2,827E-03
28-4-14 13:30	12,00	-0,626	-0,599	-0,69	-0,468	-0,449	-0,443	-2,9E-03	-2,8E-03	-2,8E-03	-2,833E-03
28-4-14 15:30	12,08	-0,626	-0,599	-0,692	-0,468	-0,449	-0,445	-2,9E-03	-2,8E-03	-2,8E-03	-2,838E-03
29-4-14 12:00	12,93	-0,634	-0,604	-0,697	-0,476	-0,454	-0,45	-3,0E-03	-2,8E-03	-2,8E-03	-2,875E-03
29-4-14 14:00	13,02	-0,637	-0,605	-0,698	-0,479	-0,455	-0,451	-3,0E-03	-2,8E-03	-2,8E-03	-2,885E-03
30-4-14 13:00	13,98	-0,644	-0,609	-0,702	-0,486	-0,459	-0,455	-3,0E-03	-2,9E-03	-2,8E-03	-2,917E-03
30-4-14 15:30	14,08	-0,646	-0,611	-0,704	-0,488	-0,461	-0,457	-3,1E-03	-2,9E-03	-2,9E-03	-2,929E-03
5-5-14 10:50	18,89	-0,62	-0,598	-0,692	-0,462	-0,448	-0,445	-2,9E-03	-2,8E-03	-2,8E-03	-2,823E-03
5-5-14 12:50	18,97	-0,634	-0,6	-0,697	-0,476	-0,45	-0,45	-3,0E-03	-2,8E-03	-2,8E-03	-2,867E-03
5-5-14 16:00	19,10	-0,64	-0,604	-0,699	-0,482	-0,454	-0,452	-3,0E-03	-2,8E-03	-2,8E-03	-2,892E-03
6-5-14 13:30	20,00	-0,653	-0,615	-0,706	-0,495	-0,465	-0,459	-3,1E-03	-2,9E-03	-2,9E-03	-2,956E-03
6-5-14 15:00	20,06	-0,653	-0,616	-0,705	-0,495	-0,466	-0,458	-3,1E-03	-2,9E-03	-2,9E-03	-2,956E-03
7-5-14 9:40	20,84	-0,656	-0,62	-0,709	-0,498	-0,47	-0,462	-3,1E-03	-2,9E-03	-2,9E-03	-2,979E-03
7-5-14 15:00	21,06	-0,658	-0,62	-0,71	-0,5	-0,47	-0,463	-3,1E-03	-2,9E-03	-2,9E-03	-2,985E-03
8-5-14 15:00	22,06	-0,673	-0,628	-0,717	-0,515	-0,478	-0,47	-3,2E-03	-3,0E-03	-2,9E-03	-3,048E-03
9-5-14 13:10	22,98	-0,672	-0,628	-0,718	-0,514	-0,478	-0,471	-3,2E-03	-3,0E-03	-2,9E-03	-3,048E-03
12-5-14 15:00	26,06	-0,679	-0,635	-0,725	-0,521	-0,485	-0,478	-3,3E-03	-3,0E-03	-3,0E-03	-3,092E-03

13-5-14 16:00	27,10	-0,681	-0,637	-0,727	-0,523	-0,487	-0,48	-3,3E-03	-3,0E-03	-3,0E-03	-3,104E-03
14-5-14 16:00	28,10	-0,684	-0,639	-0,729	-0,526	-0,489	-0,482	-3,3E-03	-3,1E-03	-3,0E-03	-3,119E-03

6-NANO

DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
8-4-14 14:40	0,00	-0,168	-0,543	-0,422	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
8-4-14 15:00	0,01	-0,184	-0,56	-0,441	-0,016	-0,017	-0,019	-1,0E-04	-1,1E-04	-1,2E-04	-1,083E-04
8-4-14 15:30	0,03	-0,19	-0,566	-0,447	-0,022	-0,023	-0,025	-1,4E-04	-1,4E-04	-1,6E-04	-1,458E-04
8-4-14 16:00	0,06	-0,196	-0,572	-0,453	-0,028	-0,029	-0,031	-1,8E-04	-1,8E-04	-1,9E-04	-1,833E-04
8-4-14 16:30	0,08	-0,2	-0,575	-0,457	-0,032	-0,032	-0,035	-2,0E-04	-2,0E-04	-2,2E-04	-2,063E-04
8-4-14 17:00	0,10	-0,203	-0,578	-0,461	-0,035	-0,035	-0,039	-2,2E-04	-2,2E-04	-2,4E-04	-2,271E-04
8-4-14 17:30	0,12	-0,207	-0,581	-0,464	-0,039	-0,038	-0,042	-2,4E-04	-2,4E-04	-2,6E-04	-2,479E-04
9-4-14 11:00	0,85	-0,287	-0,663	-0,544	-0,119	-0,12	-0,122	-7,4E-04	-7,5E-04	-7,6E-04	-7,521E-04
9-4-14 11:30	0,87	-0,291	-0,665	-0,547	-0,123	-0,122	-0,125	-7,7E-04	-7,6E-04	-7,8E-04	-7,708E-04
9-4-14 12:15	0,90	-0,294	-0,666	-0,55	-0,126	-0,123	-0,128	-7,9E-04	-7,7E-04	-8,0E-04	-7,854E-04
9-4-14 13:00	0,93	-0,293	-0,669	-0,552	-0,125	-0,126	-0,13	-7,8E-04	-7,9E-04	-8,1E-04	-7,938E-04
9-4-14 14:00	0,97	-0,3	-0,673	-0,556	-0,132	-0,13	-0,134	-8,3E-04	-8,1E-04	-8,4E-04	-8,250E-04
9-4-14 15:00	1,01	-0,304	-0,676	-0,56	-0,136	-0,133	-0,138	-8,5E-04	-8,3E-04	-8,6E-04	-8,479E-04
9-4-14 16:00	1,06	-0,307	-0,68	-0,564	-0,139	-0,137	-0,142	-8,7E-04	-8,6E-04	-8,9E-04	-8,708E-04
9-4-14 16:30	1,08	-0,309	-0,68	-0,565	-0,141	-0,137	-0,143	-8,8E-04	-8,6E-04	-8,9E-04	-8,771E-04
9-4-14 17:00	1,10	-0,31	-0,683	-0,567	-0,142	-0,14	-0,145	-8,9E-04	-8,8E-04	-9,1E-04	-8,896E-04
10-4-14 12:20	1,90	-0,361	-0,733	-0,617	-0,193	-0,19	-0,195	-1,2E-03	-1,2E-03	-1,2E-03	-1,204E-03
10-4-14 13:20	1,94	-0,362	-0,735	-0,618	-0,194	-0,192	-0,196	-1,2E-03	-1,2E-03	-1,2E-03	-1,213E-03
10-4-14 14:20	1,99	-0,365	-0,737	-0,622	-0,197	-0,194	-0,2	-1,2E-03	-1,2E-03	-1,3E-03	-1,231E-03
10-4-14 15:20	2,03	-0,368	-0,739	-0,623	-0,2	-0,196	-0,201	-1,3E-03	-1,2E-03	-1,3E-03	-1,244E-03
10-4-14 16:20	2,07	-0,369	-0,741	-0,626	-0,201	-0,198	-0,204	-1,3E-03	-1,2E-03	-1,3E-03	-1,256E-03
10-4-14 17:20	2,11	-0,372	-0,743	-0,628	-0,204	-0,2	-0,206	-1,3E-03	-1,3E-03	-1,3E-03	-1,271E-03
11-4-14 11:30	2,87	-0,408	-0,78	-0,665	-0,24	-0,237	-0,243	-1,5E-03	-1,5E-03	-1,5E-03	-1,500E-03
11-4-14 12:30	2,91	-0,409	-0,781	-0,665	-0,241	-0,238	-0,243	-1,5E-03	-1,5E-03	-1,5E-03	-1,504E-03
11-4-14 13:30	2,95	-0,411	-0,782	-0,667	-0,243	-0,239	-0,245	-1,5E-03	-1,5E-03	-1,5E-03	-1,515E-03
11-4-14 14:30	2,99	-0,412	-0,784	-0,669	-0,244	-0,241	-0,247	-1,5E-03	-1,5E-03	-1,5E-03	-1,525E-03
11-4-14 15:30	3,03	-0,414	-0,786	-0,67	-0,246	-0,243	-0,248	-1,5E-03	-1,5E-03	-1,6E-03	-1,535E-03
11-4-14 16:30	3,08	-0,418	-0,79	-0,674	-0,25	-0,247	-0,252	-1,6E-03	-1,5E-03	-1,6E-03	-1,560E-03
14-4-14 12:00	5,89	-0,496	-0,867	-0,753	-0,328	-0,324	-0,331	-2,1E-03	-2,0E-03	-2,1E-03	-2,048E-03
14-4-14 13:00	5,93	-0,497	-0,868	-0,753	-0,329	-0,325	-0,331	-2,1E-03	-2,0E-03	-2,1E-03	-2,052E-03
14-4-14 14:00	5,97	-0,498	-0,868	-0,754	-0,33	-0,325	-0,332	-2,1E-03	-2,0E-03	-2,1E-03	-2,056E-03
14-4-14 15:00	6,01	-0,498	-0,869	-0,755	-0,33	-0,326	-0,333	-2,1E-03	-2,0E-03	-2,1E-03	-2,060E-03
14-4-14 16:00	6,06	-0,498	-0,869	-0,755	-0,33	-0,326	-0,333	-2,1E-03	-2,0E-03	-2,1E-03	-2,060E-03
15-4-14 13:00	6,93	-0,512	-0,883	-0,769	-0,344	-0,34	-0,347	-2,2E-03	-2,1E-03	-2,2E-03	-2,148E-03
15-4-14 14:00	6,97	-0,512	-0,883	-0,768	-0,344	-0,34	-0,346	-2,2E-03	-2,1E-03	-2,2E-03	-2,146E-03

15-4-14 15:00	7,01	-0,512	-0,883	-0,769	-0,344	-0,34	-0,347	-2,2E-03	-2,1E-03	-2,2E-03	-2,148E-03
15-4-14 16:00	7,06	-0,51	-0,884	-0,77	-0,342	-0,341	-0,348	-2,1E-03	-2,1E-03	-2,2E-03	-2,148E-03
15-4-14 17:00	7,10	-0,511	-0,885	-0,771	-0,343	-0,342	-0,349	-2,1E-03	-2,1E-03	-2,2E-03	-2,154E-03
16-4-14 13:15	7,94	-0,52	-0,893	-0,781	-0,352	-0,35	-0,359	-2,2E-03	-2,2E-03	-2,2E-03	-2,210E-03
16-4-14 14:15	7,98	-0,522	-0,894	-0,781	-0,354	-0,351	-0,359	-2,2E-03	-2,2E-03	-2,2E-03	-2,217E-03
16-4-14 15:15	8,02	-0,523	-0,895	-0,781	-0,355	-0,352	-0,359	-2,2E-03	-2,2E-03	-2,2E-03	-2,221E-03
16-4-14 16:15	8,07	-0,524	-0,895	-0,782	-0,356	-0,352	-0,36	-2,2E-03	-2,2E-03	-2,3E-03	-2,225E-03
17-4-14 12:20	8,90	-0,531	-0,903	-0,79	-0,363	-0,36	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,273E-03
17-4-14 13:20	8,94	-0,532	-0,903	-0,79	-0,364	-0,36	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,275E-03
17-4-14 14:20	8,99	-0,533	-0,903	-0,79	-0,365	-0,36	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,277E-03
17-4-14 15:20	9,03	-0,533	-0,904	-0,789	-0,365	-0,361	-0,367	-2,3E-03	-2,3E-03	-2,3E-03	-2,277E-03
18-4-14 11:45	9,88	-0,538	-0,91	-0,796	-0,37	-0,367	-0,374	-2,3E-03	-2,3E-03	-2,3E-03	-2,315E-03
18-4-14 14:35	10,00	-0,54	-0,911	-0,796	-0,372	-0,368	-0,374	-2,3E-03	-2,3E-03	-2,3E-03	-2,321E-03
22-4-14 11:05	13,85	-0,558	-0,929	-0,816	-0,39	-0,386	-0,394	-2,4E-03	-2,4E-03	-2,5E-03	-2,438E-03
23-4-14 10:30	14,83	-0,56	-0,931	-0,818	-0,392	-0,388	-0,396	-2,5E-03	-2,4E-03	-2,5E-03	-2,450E-03
23-4-14 13:30	14,95	-0,562	-0,932	-0,819	-0,394	-0,389	-0,397	-2,5E-03	-2,4E-03	-2,5E-03	-2,458E-03
24-4-14 15:20	16,03	-0,565	-0,934	-0,822	-0,397	-0,391	-0,4	-2,5E-03	-2,4E-03	-2,5E-03	-2,475E-03
24-4-14 16:20	16,07	-0,564	-0,934	-0,821	-0,396	-0,391	-0,399	-2,5E-03	-2,4E-03	-2,5E-03	-2,471E-03
28-4-14 11:30	19,87	-0,572	-0,943	-0,83	-0,404	-0,4	-0,408	-2,5E-03	-2,5E-03	-2,6E-03	-2,525E-03
28-4-14 13:30	19,95	-0,572	-0,943	-0,829	-0,404	-0,4	-0,407	-2,5E-03	-2,5E-03	-2,5E-03	-2,523E-03
28-4-14 15:30	20,03	-0,572	-0,942	-0,829	-0,404	-0,399	-0,407	-2,5E-03	-2,5E-03	-2,5E-03	-2,521E-03
29-4-14 12:00	20,89	-0,574	-0,945	-0,832	-0,406	-0,402	-0,41	-2,5E-03	-2,5E-03	-2,6E-03	-2,538E-03
29-4-14 14:00	20,97	-0,575	-0,946	-0,833	-0,407	-0,403	-0,411	-2,5E-03	-2,5E-03	-2,6E-03	-2,544E-03
30-4-14 13:00	21,93	-0,577	-0,948	-0,834	-0,409	-0,405	-0,412	-2,6E-03	-2,5E-03	-2,6E-03	-2,554E-03
30-4-14 15:30	22,03	-0,578	-0,948	-0,834	-0,41	-0,405	-0,412	-2,6E-03	-2,5E-03	-2,6E-03	-2,556E-03
5-5-14 10:50	26,84	-0,568	-0,938	-0,824	-0,4	-0,395	-0,402	-2,5E-03	-2,5E-03	-2,5E-03	-2,494E-03
5-5-14 12:50	26,92	-0,569	-0,939	-0,825	-0,401	-0,396	-0,403	-2,5E-03	-2,5E-03	-2,5E-03	-2,500E-03
5-5-14 16:00	27,06	-0,57	-0,94	-0,826	-0,402	-0,397	-0,404	-2,5E-03	-2,5E-03	-2,5E-03	-2,506E-03
6-5-14 13:30	27,95	-0,577	-0,947	-0,833	-0,409	-0,404	-0,411	-2,6E-03	-2,5E-03	-2,6E-03	-2,550E-03
6-5-14 15:00	28,01	-0,577	-0,946	-0,833	-0,409	-0,403	-0,411	-2,6E-03	-2,5E-03	-2,6E-03	-2,548E-03

POW
DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:20	0,00	-1,097	-0,38	-0,279	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
9-6-15 12:00	0,03	-1,116	-0,405	-0,297	-0,019	-0,025	-0,018	-1,2E-04	-1,6E-04	-1,1E-04	-1,292E-04
9-6-15 13:15	0,08	-1,126	-0,415	-0,308	-0,029	-0,035	-0,029	-1,8E-04	-2,2E-04	-1,8E-04	-1,938E-04
9-6-15 13:50	0,10	-1,131	-0,42	-0,31	-0,034	-0,04	-0,031	-2,1E-04	-2,5E-04	-1,9E-04	-2,188E-04
9-6-15 14:20	0,13	-1,132	-0,424	-0,313	-0,035	-0,044	-0,034	-2,2E-04	-2,8E-04	-2,1E-04	-2,354E-04
9-6-15 15:00	0,15	-1,134	-0,427	-0,315	-0,037	-0,047	-0,036	-2,3E-04	-2,9E-04	-2,3E-04	-2,500E-04
9-6-15 15:35	0,18	-1,138	-0,432	-0,318	-0,041	-0,052	-0,039	-2,6E-04	-3,3E-04	-2,4E-04	-2,750E-04
10-6-15 10:50	0,98	-1,213	-0,503	-0,392	-0,116	-0,123	-0,113	-7,3E-04	-7,7E-04	-7,1E-04	-7,333E-04
10-6-15 11:30	1,01	-1,215	-0,507	-0,394	-0,118	-0,127	-0,115	-7,4E-04	-7,9E-04	-7,2E-04	-7,500E-04
10-6-15 12:10	1,03	-1,216	-0,508	-0,395	-0,119	-0,128	-0,116	-7,4E-04	-8,0E-04	-7,3E-04	-7,563E-04
10-6-15 12:50	1,06	-1,217	-0,51	-0,396	-0,12	-0,13	-0,117	-7,5E-04	-8,1E-04	-7,3E-04	-7,646E-04
10-6-15 13:40	1,10	-1,219	-0,514	-0,399	-0,122	-0,134	-0,12	-7,6E-04	-8,4E-04	-7,5E-04	-7,833E-04
10-6-15 14:20	1,13	-1,22	-0,515	-0,4	-0,123	-0,135	-0,121	-7,7E-04	-8,4E-04	-7,6E-04	-7,896E-04
10-6-15 15:05	1,16	-1,221	-0,517	-0,401	-0,124	-0,137	-0,122	-7,8E-04	-8,6E-04	-7,6E-04	-7,979E-04
11-6-15 15:05	2,16	-1,275	-0,569	-0,452	-0,178	-0,189	-0,173	-1,1E-03	-1,2E-03	-1,1E-03	-1,125E-03
11-6-15 15:55	2,19	-1,278	-0,572	-0,456	-0,181	-0,192	-0,177	-1,1E-03	-1,2E-03	-1,1E-03	-1,146E-03
12-6-15 9:45	2,93	-1,311	-0,608	-0,49	-0,214	-0,228	-0,211	-1,3E-03	-1,4E-03	-1,3E-03	-1,360E-03
12-6-15 10:35	2,97	-1,311	-0,609	-0,491	-0,214	-0,229	-0,212	-1,3E-03	-1,4E-03	-1,3E-03	-1,365E-03
12-6-15 13:45	3,10	-1,317	-0,615	-0,497	-0,22	-0,235	-0,218	-1,4E-03	-1,5E-03	-1,4E-03	-1,402E-03
12-6-15 15:05	3,16	-1,318	-0,617	-0,498	-0,221	-0,237	-0,219	-1,4E-03	-1,5E-03	-1,4E-03	-1,410E-03
15-6-15 10:30	5,97	-1,4	-0,694	-0,577	-0,303	-0,314	-0,298	-1,9E-03	-2,0E-03	-1,9E-03	-1,906E-03
15-6-15 13:00	6,07	-1,402	-0,699	-0,58	-0,305	-0,319	-0,301	-1,9E-03	-2,0E-03	-1,9E-03	-1,927E-03
15-6-15 15:40	6,18	-1,403	-0,7	-0,582	-0,306	-0,32	-0,303	-1,9E-03	-2,0E-03	-1,9E-03	-1,935E-03
16-6-15 9:40	6,93	-1,428	-0,714	-0,597	-0,331	-0,334	-0,318	-2,1E-03	-2,1E-03	-2,0E-03	-2,048E-03
16-6-15 15:15	7,16	-1,428	-0,715	-0,598	-0,331	-0,335	-0,319	-2,1E-03	-2,1E-03	-2,0E-03	-2,052E-03
17-6-15 9:50	7,94	-1,428	-0,725	-0,608	-0,331	-0,345	-0,329	-2,1E-03	-2,2E-03	-2,1E-03	-2,094E-03
17-6-15 14:10	8,12	-1,428	-0,726	-0,61	-0,331	-0,346	-0,331	-2,1E-03	-2,2E-03	-2,1E-03	-2,100E-03
22-6-15 12:15	13,04	-1,47	-0,768	-0,649	-0,373	-0,388	-0,37	-2,3E-03	-2,4E-03	-2,3E-03	-2,356E-03
23-6-15 10:05	13,95	-1,471	-0,769	-0,65	-0,374	-0,389	-0,371	-2,3E-03	-2,4E-03	-2,3E-03	-2,363E-03
23-6-15 15:40	14,18	-1,472	-0,77	-0,651	-0,375	-0,39	-0,372	-2,3E-03	-2,4E-03	-2,3E-03	-2,369E-03
24-6-15 10:20	14,96	-1,475	-0,773	-0,654	-0,378	-0,393	-0,375	-2,4E-03	-2,5E-03	-2,3E-03	-2,388E-03
24-6-15 15:35	15,18	-1,476	-0,774	-0,656	-0,379	-0,394	-0,377	-2,4E-03	-2,5E-03	-2,4E-03	-2,396E-03
25-6-15 12:05	16,03	-1,464	-0,761	-0,646	-0,367	-0,381	-0,367	-2,3E-03	-2,4E-03	-2,3E-03	-2,323E-03
26-6-15 10:15	16,95	-1,46	-0,757	-0,64	-0,363	-0,377	-0,361	-2,3E-03	-2,4E-03	-2,3E-03	-2,294E-03
26-6-15 15:20	17,17	-1,464	-0,755	-0,637	-0,367	-0,375	-0,358	-2,3E-03	-2,3E-03	-2,2E-03	-2,292E-03
29-6-15 9:35	19,93	-1,455	-0,753	-0,637	-0,358	-0,373	-0,358	-2,2E-03	-2,3E-03	-2,2E-03	-2,269E-03
29-6-15 14:45	20,14	-1,453	-0,754	-0,636	-0,356	-0,374	-0,357	-2,2E-03	-2,3E-03	-2,2E-03	-2,265E-03
30-6-15 10:20	20,96	-1,454	-0,753	-0,635	-0,357	-0,373	-0,356	-2,2E-03	-2,3E-03	-2,2E-03	-2,263E-03

30-6-15 14:55	21,15	-1,453	-0,753	-0,635	-0,356	-0,373	-0,356	-2,2E-03	-2,3E-03	-2,2E-03	-2,260E-03
1-7-15 9:50	21,94	-1,453	-0,753	-0,635	-0,356	-0,373	-0,356	-2,2E-03	-2,3E-03	-2,2E-03	-2,260E-03
1-7-15 13:50	22,10	-1,453	-0,753	-0,634	-0,356	-0,373	-0,355	-2,2E-03	-2,3E-03	-2,2E-03	-2,258E-03
2-7-15 9:50	22,94	-1,449	-0,748	-0,631	-0,352	-0,368	-0,352	-2,2E-03	-2,3E-03	-2,2E-03	-2,233E-03
2-7-15 15:10	23,16	-1,449	-0,75	-0,632	-0,352	-0,37	-0,353	-2,2E-03	-2,3E-03	-2,2E-03	-2,240E-03
3-7-15 8:50	23,90	-1,15	-0,75	-0,631	-0,053	-0,37	-0,352	-3,3E-04	-2,3E-03	-2,2E-03	-1,615E-03
6-7-15 9:40	26,93	-1,446	-0,747	-0,629	-0,349	-0,367	-0,35	-2,2E-03	-2,3E-03	-2,2E-03	-2,221E-03
6-7-15 15:30	27,17	-1,446	-0,746	-0,627	-0,349	-0,366	-0,348	-2,2E-03	-2,3E-03	-2,2E-03	-2,215E-03
7-7-15 10:55	27,98	-1,444	-0,741	-0,624	-0,347	-0,361	-0,345	-2,2E-03	-2,3E-03	-2,2E-03	-2,194E-03
7-7-15 15:30	28,17	-1,442	-0,742	-0,624	-0,345	-0,362	-0,345	-2,2E-03	-2,3E-03	-2,2E-03	-2,192E-03

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DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	-1,404	-0,413	0,026	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
5-5-15 12:10	0,02	-1,419	-0,428	0,011	-0,015	-0,015	-0,015	-9,4E-05	-9,4E-05	-9,4E-05	-9,375E-05
5-5-15 12:40	0,04	-1,429	-0,437	0,003	-0,025	-0,024	-0,023	-1,6E-04	-1,5E-04	-1,4E-04	-1,500E-04
5-5-15 13:10	0,06	-1,431	-0,438	0	-0,027	-0,025	-0,026	-1,7E-04	-1,6E-04	-1,6E-04	-1,625E-04
5-5-15 13:40	0,08	-1,439	-0,447	-0,004	-0,035	-0,034	-0,03	-2,2E-04	-2,1E-04	-1,9E-04	-2,063E-04
5-5-15 14:10	0,10	-1,437	-0,445	-0,006	-0,033	-0,032	-0,032	-2,1E-04	-2,0E-04	-2,0E-04	-2,021E-04
5-5-15 14:40	0,13	-1,44	-0,447	-0,009	-0,036	-0,034	-0,035	-2,3E-04	-2,1E-04	-2,2E-04	-2,188E-04
5-5-15 15:10	0,15	-1,443	-0,453	-0,013	-0,039	-0,04	-0,039	-2,4E-04	-2,5E-04	-2,4E-04	-2,458E-04
5-5-15 15:40	0,17	-1,445	-0,453	-0,013	-0,041	-0,04	-0,039	-2,6E-04	-2,5E-04	-2,4E-04	-2,500E-04
5-5-15 16:10	0,19	-1,447	-0,456	-0,016	-0,043	-0,043	-0,042	-2,7E-04	-2,7E-04	-2,6E-04	-2,667E-04
5-5-15 16:40	0,21	-1,451	-0,462	-0,022	-0,047	-0,049	-0,048	-2,9E-04	-3,1E-04	-3,0E-04	-3,000E-04
6-5-15 10:20	0,94	-1,52	-0,527	-0,087	-0,116	-0,114	-0,113	-7,3E-04	-7,1E-04	-7,1E-04	-7,146E-04
6-5-15 10:50	0,97	-1,519	-0,526	-0,086	-0,115	-0,113	-0,112	-7,2E-04	-7,1E-04	-7,0E-04	-7,083E-04
6-5-15 11:20	0,99	-1,521	-0,528	-0,09	-0,117	-0,115	-0,116	-7,3E-04	-7,2E-04	-7,3E-04	-7,250E-04
6-5-15 11:50	1,01	-1,522	-0,53	-0,091	-0,118	-0,117	-0,117	-7,4E-04	-7,3E-04	-7,3E-04	-7,333E-04
6-5-15 12:20	1,03	-1,525	-0,531	-0,092	-0,121	-0,118	-0,118	-7,6E-04	-7,4E-04	-7,4E-04	-7,438E-04
6-5-15 12:50	1,05	-1,528	-0,532	-0,094	-0,124	-0,119	-0,12	-7,8E-04	-7,4E-04	-7,5E-04	-7,563E-04
6-5-15 13:20	1,07	-1,53	-0,535	-0,095	-0,126	-0,122	-0,121	-7,9E-04	-7,6E-04	-7,6E-04	-7,688E-04
6-5-15 13:50	1,09	-1,533	-0,538	-0,097	-0,129	-0,125	-0,123	-8,1E-04	-7,8E-04	-7,7E-04	-7,854E-04
6-5-15 14:20	1,11	-1,533	-0,54	-0,099	-0,129	-0,127	-0,125	-8,1E-04	-7,9E-04	-7,8E-04	-7,938E-04
6-5-15 14:50	1,13	-1,534	-0,54	-0,1	-0,13	-0,127	-0,126	-8,1E-04	-7,9E-04	-7,9E-04	-7,979E-04
6-5-15 15:20	1,15	-1,534	-0,541	-0,101	-0,13	-0,128	-0,127	-8,1E-04	-8,0E-04	-7,9E-04	-8,021E-04

6-5-15 15:50	1,17	-1,535	-0,542	-0,103	-0,131	-0,129	-0,129	-8,2E-04	-8,1E-04	-8,1E-04	-8,104E-04
6-5-15 16:20	1,19	-1,536	-0,543	-0,104	-0,132	-0,13	-0,13	-8,3E-04	-8,1E-04	-8,1E-04	-8,167E-04
7-5-15 10:20	1,94	-1,581	-0,59	-0,153	-0,177	-0,177	-0,179	-1,1E-03	-1,1E-03	-1,1E-03	-1,110E-03
7-5-15 11:20	1,99	-1,583	-0,593	-0,154	-0,179	-0,18	-0,18	-1,1E-03	-1,1E-03	-1,1E-03	-1,123E-03
7-5-15 12:20	2,03	-1,584	-0,593	-0,155	-0,18	-0,18	-0,181	-1,1E-03	-1,1E-03	-1,1E-03	-1,127E-03
7-5-15 13:20	2,07	-1,585	-0,595	-0,155	-0,181	-0,182	-0,181	-1,1E-03	-1,1E-03	-1,1E-03	-1,133E-03
7-5-15 14:20	2,11	-1,587	-0,596	-0,158	-0,183	-0,183	-0,184	-1,1E-03	-1,1E-03	-1,2E-03	-1,146E-03
7-5-15 15:20	2,15	-1,589	-0,601	-0,161	-0,185	-0,188	-0,187	-1,2E-03	-1,2E-03	-1,2E-03	-1,167E-03
11-5-15 14:50	6,13	-1,714	-0,731	-0,292	-0,31	-0,318	-0,318	-1,9E-03	-2,0E-03	-2,0E-03	-1,971E-03
11-5-15 16:50	6,22	-1,719	-0,731	-0,292	-0,315	-0,318	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-1,981E-03
12-5-15 10:20	6,94	-1,728	-0,746	-0,306	-0,324	-0,333	-0,332	-2,0E-03	-2,1E-03	-2,1E-03	-2,060E-03
12-5-15 12:20	7,03	-1,729	-0,747	-0,309	-0,325	-0,334	-0,335	-2,0E-03	-2,1E-03	-2,1E-03	-2,071E-03
12-5-15 14:20	7,11	-1,729	-0,748	-0,308	-0,325	-0,335	-0,334	-2,0E-03	-2,1E-03	-2,1E-03	-2,071E-03
12-5-15 16:20	7,19	-1,73	-0,748	-0,308	-0,326	-0,335	-0,334	-2,0E-03	-2,1E-03	-2,1E-03	-2,073E-03
13-5-15 10:00	7,93	-1,739	-0,758	-0,317	-0,335	-0,345	-0,343	-2,1E-03	-2,2E-03	-2,1E-03	-2,131E-03
13-5-15 12:00	8,01	-1,741	-0,759	-0,319	-0,337	-0,346	-0,345	-2,1E-03	-2,2E-03	-2,2E-03	-2,142E-03
13-5-15 14:00	8,10	-1,741	-0,76	-0,318	-0,337	-0,347	-0,344	-2,1E-03	-2,2E-03	-2,2E-03	-2,142E-03
14-5-15 8:50	8,88	-1,742	-0,763	-0,319	-0,338	-0,35	-0,345	-2,1E-03	-2,2E-03	-2,2E-03	-2,152E-03
14-5-15 10:50	8,97	-1,743	-0,764	-0,322	-0,339	-0,351	-0,348	-2,1E-03	-2,2E-03	-2,2E-03	-2,163E-03
14-5-15 12:50	9,05	-1,745	-0,766	-0,324	-0,341	-0,353	-0,35	-2,1E-03	-2,2E-03	-2,2E-03	-2,175E-03
15-5-15 9:00	9,89	-1,751	-0,772	-0,333	-0,347	-0,359	-0,359	-2,2E-03	-2,2E-03	-2,2E-03	-2,219E-03
15-5-15 11:00	9,97	-1,752	-0,774	-0,334	-0,348	-0,361	-0,36	-2,2E-03	-2,3E-03	-2,3E-03	-2,227E-03
15-5-15 13:00	10,06	-1,754	-0,773	-0,333	-0,35	-0,36	-0,359	-2,2E-03	-2,3E-03	-2,2E-03	-2,227E-03
18-5-15 8:50	12,88	-1,758	-0,785	-0,347	-0,354	-0,372	-0,373	-2,2E-03	-2,3E-03	-2,3E-03	-2,290E-03
18-5-15 15:50	13,17	-1,759	-0,786	-0,348	-0,355	-0,373	-0,374	-2,2E-03	-2,3E-03	-2,3E-03	-2,296E-03
19-5-15 12:10	14,02	-1,76	-0,79	-0,351	-0,356	-0,377	-0,377	-2,2E-03	-2,4E-03	-2,4E-03	-2,313E-03
19-5-15 14:10	14,10	-1,765	-0,787	-0,349	-0,361	-0,374	-0,375	-2,3E-03	-2,3E-03	-2,3E-03	-2,313E-03
19-5-15 16:10	14,19	-1,767	-0,789	-0,347	-0,363	-0,376	-0,373	-2,3E-03	-2,4E-03	-2,3E-03	-2,317E-03
20-5-15 11:10	14,98	-1,773	-0,792	-0,353	-0,369	-0,379	-0,379	-2,3E-03	-2,4E-03	-2,4E-03	-2,348E-03
20-5-15 13:10	15,06	-1,775	-0,792	-0,35	-0,371	-0,379	-0,376	-2,3E-03	-2,4E-03	-2,4E-03	-2,346E-03
21-5-15 10:00	15,93	-1,781	-0,793	-0,351	-0,377	-0,38	-0,377	-2,4E-03	-2,4E-03	-2,4E-03	-2,363E-03
21-5-15 12:00	16,01	-1,782	-0,794	-0,351	-0,378	-0,381	-0,377	-2,4E-03	-2,4E-03	-2,4E-03	-2,367E-03
25-5-15 8:50	19,88	-1,789	-0,8	-0,357	-0,385	-0,387	-0,383	-2,4E-03	-2,4E-03	-2,4E-03	-2,406E-03
25-5-15 12:45	20,05	-1,792	-0,8	-0,358	-0,388	-0,387	-0,384	-2,4E-03	-2,4E-03	-2,4E-03	-2,415E-03
26-5-15 10:25	20,95	-1,792	-0,802	-0,36	-0,388	-0,389	-0,386	-2,4E-03	-2,4E-03	-2,4E-03	-2,423E-03
26-5-15 12:25	21,03	-1,796	-0,805	-0,359	-0,392	-0,392	-0,385	-2,5E-03	-2,5E-03	-2,4E-03	-2,435E-03
26-5-15 15:25	21,16	-1,798	-0,806	-0,361	-0,394	-0,393	-0,387	-2,5E-03	-2,5E-03	-2,4E-03	-2,446E-03
27-5-15 11:05	21,98	-1,803	-0,808	-0,364	-0,399	-0,395	-0,39	-2,5E-03	-2,5E-03	-2,4E-03	-2,467E-03
27-5-15 13:05	22,06	-1,804	-0,81	-0,365	-0,4	-0,397	-0,391	-2,5E-03	-2,5E-03	-2,4E-03	-2,475E-03
27-5-15 15:05	22,14	-1,807	-0,811	-0,365	-0,403	-0,398	-0,391	-2,5E-03	-2,5E-03	-2,4E-03	-2,483E-03
28-5-15 10:50	22,97	-1,81	-0,813	-0,365	-0,406	-0,4	-0,391	-2,5E-03	-2,5E-03	-2,4E-03	-2,494E-03
28-5-15 12:50	23,05	-1,811	-0,814	-0,366	-0,407	-0,401	-0,392	-2,5E-03	-2,5E-03	-2,5E-03	-2,500E-03
28-5-15 14:50	23,13	-1,811	-0,814	-0,366	-0,407	-0,401	-0,392	-2,5E-03	-2,5E-03	-2,5E-03	-2,500E-03

29-5-15 11:40	24,00	-1,812	-0,814	-0,366	-0,408	-0,401	-0,392	-2,6E-03	-2,5E-03	-2,5E-03	-2,502E-03
29-5-15 13:45	24,09	-1,813	-0,816	-0,367	-0,409	-0,403	-0,393	-2,6E-03	-2,5E-03	-2,5E-03	-2,510E-03
29-5-15 13:45	24,09	-1,813	-0,816	-0,368	-0,409	-0,403	-0,394	-2,6E-03	-2,5E-03	-2,5E-03	-2,513E-03
3-6-15 10:40	28,96	-1,819	-0,819	-0,371	-0,415	-0,406	-0,397	-2,6E-03	-2,5E-03	-2,5E-03	-2,538E-03

ST+SIS.NS

DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	0,477	-0,302	-0,287	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
5-5-15 12:10	0,02	0,463	-0,313	-0,302	-0,014	-0,011	-0,015	-8,7E-05	-6,9E-05	-9,4E-05	-8,333E-05
5-5-15 12:40	0,04	0,456	-0,324	-0,309	-0,021	-0,022	-0,022	-1,3E-04	-1,4E-04	-1,4E-04	-1,354E-04
5-5-15 13:10	0,06	0,452	-0,324	-0,309	-0,025	-0,022	-0,022	-1,6E-04	-1,4E-04	-1,4E-04	-1,438E-04
5-5-15 13:40	0,08	0,448	-0,328	-0,315	-0,029	-0,026	-0,028	-1,8E-04	-1,6E-04	-1,8E-04	-1,729E-04
5-5-15 14:10	0,10	0,448	-0,33	-0,315	-0,029	-0,028	-0,028	-1,8E-04	-1,8E-04	-1,8E-04	-1,771E-04
5-5-15 14:40	0,13	0,44	-0,336	-0,322	-0,037	-0,034	-0,035	-2,3E-04	-2,1E-04	-2,2E-04	-2,208E-04
5-5-15 15:10	0,15	0,441	-0,338	-0,322	-0,036	-0,036	-0,035	-2,3E-04	-2,3E-04	-2,2E-04	-2,229E-04
5-5-15 15:40	0,17	0,439	-0,339	-0,324	-0,038	-0,037	-0,037	-2,4E-04	-2,3E-04	-2,3E-04	-2,333E-04
5-5-15 16:10	0,19	0,438	-0,34	-0,323	-0,039	-0,038	-0,036	-2,4E-04	-2,4E-04	-2,3E-04	-2,354E-04
5-5-15 16:40	0,21	0,435	-0,343	-0,328	-0,042	-0,041	-0,041	-2,6E-04	-2,6E-04	-2,6E-04	-2,583E-04
6-5-15 10:20	0,94	0,376	-0,403	-0,386	-0,101	-0,101	-0,099	-6,3E-04	-6,3E-04	-6,2E-04	-6,271E-04
6-5-15 10:50	0,97	0,377	-0,404	-0,387	-0,1	-0,102	-0,1	-6,3E-04	-6,4E-04	-6,3E-04	-6,292E-04
6-5-15 11:20	0,99	0,372	-0,406	-0,389	-0,105	-0,104	-0,102	-6,6E-04	-6,5E-04	-6,4E-04	-6,479E-04
6-5-15 11:50	1,01	0,37	-0,412	-0,393	-0,107	-0,11	-0,106	-6,7E-04	-6,9E-04	-6,6E-04	-6,729E-04
6-5-15 12:20	1,03	0,368	-0,413	-0,393	-0,109	-0,111	-0,106	-6,8E-04	-6,9E-04	-6,6E-04	-6,792E-04
6-5-15 12:50	1,05	0,366	-0,416	-0,396	-0,111	-0,114	-0,109	-6,9E-04	-7,1E-04	-6,8E-04	-6,958E-04
6-5-15 13:20	1,07	0,364	-0,418	-0,396	-0,113	-0,116	-0,109	-7,1E-04	-7,3E-04	-6,8E-04	-7,042E-04
6-5-15 13:50	1,09	0,364	-0,418	-0,397	-0,113	-0,116	-0,11	-7,1E-04	-7,3E-04	-6,9E-04	-7,063E-04
6-5-15 14:20	1,11	0,363	-0,419	-0,399	-0,114	-0,117	-0,112	-7,1E-04	-7,3E-04	-7,0E-04	-7,146E-04
6-5-15 14:50	1,13	0,362	-0,42	-0,4	-0,115	-0,118	-0,113	-7,2E-04	-7,4E-04	-7,1E-04	-7,208E-04
6-5-15 15:20	1,15	0,362	-0,421	-0,4	-0,115	-0,119	-0,113	-7,2E-04	-7,4E-04	-7,1E-04	-7,229E-04
6-5-15 15:50	1,17	0,361	-0,422	-0,401	-0,116	-0,12	-0,114	-7,3E-04	-7,5E-04	-7,1E-04	-7,292E-04
6-5-15 16:20	1,19	0,36	-0,425	-0,403	-0,117	-0,123	-0,116	-7,3E-04	-7,7E-04	-7,3E-04	-7,417E-04
7-5-15 10:15	1,94	0,318	-0,468	-0,447	-0,159	-0,166	-0,16	-9,9E-04	-1,0E-03	-1,0E-03	-1,010E-03
7-5-15 11:15	1,98	0,315	-0,471	-0,449	-0,162	-0,169	-0,162	-1,0E-03	-1,1E-03	-1,0E-03	-1,027E-03
7-5-15 12:15	2,02	0,313	-0,473	-0,451	-0,164	-0,171	-0,164	-1,0E-03	-1,1E-03	-1,0E-03	-1,040E-03
7-5-15 13:15	2,07	0,311	-0,474	-0,451	-0,166	-0,172	-0,164	-1,0E-03	-1,1E-03	-1,0E-03	-1,046E-03
7-5-15 14:15	2,11	0,307	-0,477	-0,454	-0,17	-0,175	-0,167	-1,1E-03	-1,1E-03	-1,0E-03	-1,067E-03
7-5-15 15:15	2,15	0,306	-0,478	-0,456	-0,171	-0,176	-0,169	-1,1E-03	-1,1E-03	-1,1E-03	-1,075E-03
11-5-15 14:45	6,13	0,191	-0,586	-0,564	-0,286	-0,284	-0,277	-1,8E-03	-1,8E-03	-1,7E-03	-1,765E-03
11-5-15 16:45	6,21	0,192	-0,588	-0,566	-0,285	-0,286	-0,279	-1,8E-03	-1,8E-03	-1,7E-03	-1,771E-03
12-5-15 10:15	6,94	0,179	-0,6	-0,575	-0,298	-0,298	-0,288	-1,9E-03	-1,9E-03	-1,8E-03	-1,842E-03

12-5-15 12:15	7,02	0,178	-0,601	-0,577	-0,299	-0,299	-0,29	-1,9E-03	-1,9E-03	-1,8E-03	-1,850E-03
12-5-15 14:15	7,11	0,177	-0,602	-0,579	-0,3	-0,3	-0,292	-1,9E-03	-1,9E-03	-1,8E-03	-1,858E-03
12-5-15 16:15	7,19	0,177	-0,602	-0,578	-0,3	-0,3	-0,291	-1,9E-03	-1,9E-03	-1,8E-03	-1,856E-03
13-5-15 10:00	7,93	0,168	-0,605	-0,589	-0,309	-0,303	-0,302	-1,9E-03	-1,9E-03	-1,9E-03	-1,904E-03
13-5-15 12:00	8,01	0,166	-0,608	-0,591	-0,311	-0,306	-0,304	-1,9E-03	-1,9E-03	-1,9E-03	-1,919E-03
13-5-15 14:00	8,10	0,165	-0,608	-0,59	-0,312	-0,306	-0,303	-2,0E-03	-1,9E-03	-1,9E-03	-1,919E-03
14-5-15 8:45	8,88	0,164	-0,61	-0,593	-0,313	-0,308	-0,306	-2,0E-03	-1,9E-03	-1,9E-03	-1,931E-03
14-5-15 10:45	8,96	0,163	-0,611	-0,594	-0,314	-0,309	-0,307	-2,0E-03	-1,9E-03	-1,9E-03	-1,938E-03
14-5-15 12:45	9,05	0,161	-0,612	-0,597	-0,316	-0,31	-0,31	-2,0E-03	-1,9E-03	-1,9E-03	-1,950E-03
15-5-15 9:00	9,89	0,155	-0,615	-0,602	-0,322	-0,313	-0,315	-2,0E-03	-2,0E-03	-2,0E-03	-1,979E-03
15-5-15 11:00	9,97	0,155	-0,616	-0,603	-0,322	-0,314	-0,316	-2,0E-03	-2,0E-03	-2,0E-03	-1,983E-03
15-5-15 13:30	10,08	0,154	-0,618	-0,605	-0,323	-0,316	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-1,994E-03
18-5-15 8:50	12,88	0,142	-0,62	-0,616	-0,335	-0,318	-0,329	-2,1E-03	-2,0E-03	-2,1E-03	-2,046E-03
18-5-15 15:50	13,17	0,14	-0,62	-0,615	-0,337	-0,318	-0,328	-2,1E-03	-2,0E-03	-2,1E-03	-2,048E-03
19-5-15 12:15	14,02	0,139	-0,622	-0,623	-0,338	-0,32	-0,336	-2,1E-03	-2,0E-03	-2,1E-03	-2,071E-03
19-5-15 14:10	14,10	0,139	-0,622	-0,624	-0,338	-0,32	-0,337	-2,1E-03	-2,0E-03	-2,1E-03	-2,073E-03
19-5-15 16:10	14,19	0,138	-0,623	-0,627	-0,339	-0,321	-0,34	-2,1E-03	-2,0E-03	-2,1E-03	-2,083E-03
20-5-15 11:05	14,98	0,135	-0,624	-0,627	-0,342	-0,322	-0,34	-2,1E-03	-2,0E-03	-2,1E-03	-2,092E-03
20-5-15 13:05	15,06	0,134	-0,624	-0,627	-0,343	-0,322	-0,34	-2,1E-03	-2,0E-03	-2,1E-03	-2,094E-03
21-5-15 10:00	15,93	0,133	-0,625	-0,629	-0,344	-0,323	-0,342	-2,2E-03	-2,0E-03	-2,1E-03	-2,102E-03
21-5-15 12:00	16,01	0,133	-0,625	-0,629	-0,344	-0,323	-0,342	-2,2E-03	-2,0E-03	-2,1E-03	-2,102E-03
21-5-15 14:00	16,10	0,132	-0,626	-0,629	-0,345	-0,324	-0,342	-2,2E-03	-2,0E-03	-2,1E-03	-2,106E-03
25-5-15 8:50	19,88	0,131	-0,629	-0,638	-0,346	-0,327	-0,351	-2,2E-03	-2,0E-03	-2,2E-03	-2,133E-03
25-5-15 12:40	20,04	0,128	-0,629	-0,638	-0,349	-0,327	-0,351	-2,2E-03	-2,0E-03	-2,2E-03	-2,140E-03
26-5-15 10:30	20,95	0,126	-0,63	-0,639	-0,351	-0,328	-0,352	-2,2E-03	-2,1E-03	-2,2E-03	-2,148E-03
26-5-15 12:35	21,04	0,124	-0,632	-0,64	-0,353	-0,33	-0,353	-2,2E-03	-2,1E-03	-2,2E-03	-2,158E-03
26-5-15 15:15	21,15	0,122	-0,634	-0,642	-0,355	-0,332	-0,355	-2,2E-03	-2,1E-03	-2,2E-03	-2,171E-03
27-5-15 11:00	21,97	0,12	-0,637	-0,643	-0,357	-0,335	-0,356	-2,2E-03	-2,1E-03	-2,2E-03	-2,183E-03
27-5-15 13:00	22,06	0,12	-0,641	-0,644	-0,357	-0,339	-0,357	-2,2E-03	-2,1E-03	-2,2E-03	-2,194E-03
27-5-15 15:00	22,14	0,12	-0,641	-0,643	-0,357	-0,339	-0,356	-2,2E-03	-2,1E-03	-2,2E-03	-2,192E-03
28-5-15 10:55	22,97	0,118	-0,643	-0,641	-0,359	-0,341	-0,354	-2,2E-03	-2,1E-03	-2,2E-03	-2,196E-03
28-5-15 12:55	23,05	0,119	-0,643	-0,641	-0,358	-0,341	-0,354	-2,2E-03	-2,1E-03	-2,2E-03	-2,194E-03
28-5-15 14:55	23,14	0,117	-0,644	-0,642	-0,36	-0,342	-0,355	-2,3E-03	-2,1E-03	-2,2E-03	-2,202E-03
29-5-15 11:45	24,00	0,116	-0,647	-0,644	-0,361	-0,345	-0,357	-2,3E-03	-2,2E-03	-2,2E-03	-2,215E-03
29-5-15 13:50	24,09	0,116	-0,65	-0,645	-0,361	-0,348	-0,358	-2,3E-03	-2,2E-03	-2,2E-03	-2,223E-03
29-5-15 15:50	24,17	0,115	-0,651	-0,643	-0,362	-0,349	-0,356	-2,3E-03	-2,2E-03	-2,2E-03	-2,223E-03
3-6-15 10:35	28,95	0,113	-0,654	-0,647	-0,364	-0,352	-0,36	-2,3E-03	-2,2E-03	-2,3E-03	-2,242E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:25	0,00	-0,291	-0,135	-0,305	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
19-5-15 12:55	0,02	-0,295	-0,141	-0,308	-0,004	-0,006	-0,003	-2,5E-05	-3,7E-05	-1,9E-05	-2,708E-05
19-5-15 13:25	0,04	-0,303	-0,147	-0,316	-0,012	-0,012	-0,011	-7,5E-05	-7,5E-05	-6,9E-05	-7,292E-05
19-5-15 13:55	0,06	-0,304	-0,148	-0,317	-0,013	-0,013	-0,012	-8,1E-05	-8,1E-05	-7,5E-05	-7,917E-05
19-5-15 14:30	0,09	-0,309	-0,153	-0,319	-0,018	-0,018	-0,014	-1,1E-04	-1,1E-04	-8,8E-05	-1,042E-04
19-5-15 14:55	0,10	-0,308	-0,155	-0,323	-0,017	-0,02	-0,018	-1,1E-04	-1,3E-04	-1,1E-04	-1,146E-04
19-5-15 15:25	0,13	-0,31	-0,156	-0,325	-0,019	-0,021	-0,02	-1,2E-04	-1,3E-04	-1,3E-04	-1,250E-04
19-5-15 15:55	0,15	-0,311	-0,159	-0,327	-0,02	-0,024	-0,022	-1,3E-04	-1,5E-04	-1,4E-04	-1,375E-04
19-5-15 16:25	0,17	-0,316	-0,16	-0,328	-0,025	-0,025	-0,023	-1,6E-04	-1,6E-04	-1,4E-04	-1,521E-04
20-5-15 11:30	0,96	-0,392	-0,239	-0,403	-0,101	-0,104	-0,098	-6,3E-04	-6,5E-04	-6,1E-04	-6,313E-04
20-5-15 12:00	0,98	-0,394	-0,241	-0,406	-0,103	-0,106	-0,101	-6,4E-04	-6,6E-04	-6,3E-04	-6,458E-04
20-5-15 12:25	1,00	-0,395	-0,241	-0,408	-0,104	-0,106	-0,103	-6,5E-04	-6,6E-04	-6,4E-04	-6,521E-04
20-5-15 12:55	1,02	-0,395	-0,241	-0,407	-0,104	-0,106	-0,102	-6,5E-04	-6,6E-04	-6,4E-04	-6,500E-04
20-5-15 13:25	1,04	-0,396	-0,245	-0,411	-0,105	-0,11	-0,106	-6,6E-04	-6,9E-04	-6,6E-04	-6,688E-04
20-5-15 14:25	1,08	-0,399	-0,245	-0,41	-0,108	-0,11	-0,105	-6,8E-04	-6,9E-04	-6,6E-04	-6,729E-04
20-5-15 14:55	1,10	-0,402	-0,247	-0,412	-0,111	-0,112	-0,107	-6,9E-04	-7,0E-04	-6,7E-04	-6,875E-04
20-5-15 15:25	1,13	-0,4	-0,249	-0,413	-0,109	-0,114	-0,108	-6,8E-04	-7,1E-04	-6,8E-04	-6,896E-04
21-5-15 10:15	1,91	-0,429	-0,275	-0,442	-0,138	-0,14	-0,137	-8,6E-04	-8,8E-04	-8,6E-04	-8,646E-04
21-5-15 11:15	1,95	-0,432	-0,277	-0,444	-0,141	-0,142	-0,139	-8,8E-04	-8,9E-04	-8,7E-04	-8,792E-04
21-5-15 12:15	1,99	-0,431	-0,278	-0,443	-0,14	-0,143	-0,138	-8,8E-04	-8,9E-04	-8,6E-04	-8,771E-04
25-5-15 9:10	5,86	-0,576	-0,427	-0,595	-0,285	-0,292	-0,29	-1,8E-03	-1,8E-03	-1,8E-03	-1,806E-03
25-5-15 13:00	6,02	-0,578	-0,426	-0,594	-0,287	-0,291	-0,289	-1,8E-03	-1,8E-03	-1,8E-03	-1,806E-03
25-5-15 14:00	6,07	-0,579	-0,428	-0,597	-0,288	-0,293	-0,292	-1,8E-03	-1,8E-03	-1,8E-03	-1,819E-03
26-5-15 11:25	6,96	-0,596	-0,442	-0,608	-0,305	-0,307	-0,303	-1,9E-03	-1,9E-03	-1,9E-03	-1,906E-03
26-5-15 14:15	7,08	-0,6	-0,449	-0,615	-0,309	-0,314	-0,31	-1,9E-03	-2,0E-03	-1,9E-03	-1,944E-03
26-5-15 16:05	7,15	-0,599	-0,447	-0,615	-0,308	-0,312	-0,31	-1,9E-03	-2,0E-03	-1,9E-03	-1,938E-03
27-5-15 10:40	7,93	-0,603	-0,453	-0,62	-0,312	-0,318	-0,315	-2,0E-03	-2,0E-03	-2,0E-03	-1,969E-03
27-5-15 12:40	8,01	-0,606	-0,456	-0,621	-0,315	-0,321	-0,316	-2,0E-03	-2,0E-03	-2,0E-03	-1,983E-03
27-5-15 14:40	8,09	-0,607	-0,457	-0,622	-0,316	-0,322	-0,317	-2,0E-03	-2,0E-03	-2,0E-03	-1,990E-03
28-5-15 10:40	8,93	-0,61	-0,461	-0,627	-0,319	-0,326	-0,322	-2,0E-03	-2,0E-03	-2,0E-03	-2,015E-03
28-5-15 12:40	9,01	-0,614	-0,462	-0,629	-0,323	-0,327	-0,324	-2,0E-03	-2,0E-03	-2,0E-03	-2,029E-03
28-5-15 14:40	9,09	-0,615	-0,463	-0,63	-0,324	-0,328	-0,325	-2,0E-03	-2,1E-03	-2,0E-03	-2,035E-03
29-5-15 11:30	9,96	-0,62	-0,468	-0,635	-0,329	-0,333	-0,33	-2,1E-03	-2,1E-03	-2,1E-03	-2,067E-03
29-5-15 13:40	10,05	-0,621	-0,469	-0,636	-0,33	-0,334	-0,331	-2,1E-03	-2,1E-03	-2,1E-03	-2,073E-03
29-5-15 15:40	10,14	-0,623	-0,471	-0,638	-0,332	-0,336	-0,333	-2,1E-03	-2,1E-03	-2,1E-03	-2,085E-03
3-6-15 10:25	14,92	-0,641	-0,49	-0,657	-0,35	-0,355	-0,352	-2,2E-03	-2,2E-03	-2,2E-03	-2,202E-03
3-6-15 12:35	15,01	-0,642	-0,49	-0,656	-0,351	-0,355	-0,351	-2,2E-03	-2,2E-03	-2,2E-03	-2,202E-03
3-6-15 14:25	15,08	-0,642	-0,491	-0,657	-0,351	-0,356	-0,352	-2,2E-03	-2,2E-03	-2,2E-03	-2,206E-03
4-6-15 10:40	15,93	-0,645	-0,493	-0,659	-0,354	-0,358	-0,354	-2,2E-03	-2,2E-03	-2,2E-03	-2,221E-03

4-6-15 12:40	16,01	-0,645	-0,494	-0,66	-0,354	-0,359	-0,355	-2,2E-03	-2,2E-03	-2,2E-03	-2,225E-03
4-6-15 15:40	16,14	-0,646	-0,494	-0,66	-0,355	-0,359	-0,355	-2,2E-03	-2,2E-03	-2,2E-03	-2,227E-03
5-6-15 10:55	16,94	-0,648	-0,495	-0,662	-0,357	-0,36	-0,357	-2,2E-03	-2,3E-03	-2,2E-03	-2,238E-03
5-6-15 14:30	17,09	-0,647	-0,494	-0,661	-0,356	-0,359	-0,356	-2,2E-03	-2,2E-03	-2,2E-03	-2,231E-03
8-6-15 8:20	19,83	-0,653	-0,502	-0,668	-0,362	-0,367	-0,363	-2,3E-03	-2,3E-03	-2,3E-03	-2,275E-03
8-6-15 15:05	20,11	-0,655	-0,503	-0,669	-0,364	-0,368	-0,364	-2,3E-03	-2,3E-03	-2,3E-03	-2,283E-03
9-6-15 8:30	20,84	-0,655	-0,503	-0,67	-0,364	-0,368	-0,365	-2,3E-03	-2,3E-03	-2,3E-03	-2,285E-03
9-6-15 15:30	21,13	-0,657	-0,505	-0,673	-0,366	-0,37	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,300E-03
10-6-15 11:25	21,96	-0,659	-0,505	-0,673	-0,368	-0,37	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,304E-03
10-6-15 14:55	22,10	-0,66	-0,506	-0,674	-0,369	-0,371	-0,369	-2,3E-03	-2,3E-03	-2,3E-03	-2,310E-03
11-6-15 15:40	23,14	-0,66	-0,506	-0,674	-0,369	-0,371	-0,369	-2,3E-03	-2,3E-03	-2,3E-03	-2,310E-03
12-6-15 10:15	23,91	-0,655	-0,506	-0,673	-0,364	-0,371	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,298E-03
12-6-15 15:30	24,13	-0,657	-0,507	-0,673	-0,366	-0,372	-0,368	-2,3E-03	-2,3E-03	-2,3E-03	-2,304E-03
15-6-15 11:00	26,94	-0,661	-0,509	-0,675	-0,37	-0,374	-0,37	-2,3E-03	-2,3E-03	-2,3E-03	-2,321E-03
16-6-15 15:05	28,11	-0,663	-0,51	-0,677	-0,372	-0,375	-0,372	-2,3E-03	-2,3E-03	-2,3E-03	-2,331E-03

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DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:20	0,00	-0,555	0,199	-0,975	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
19-5-15 12:50	0,02	-0,558	0,195	-0,98	-0,003	-0,004	-0,005	-1,9E-05	-2,5E-05	-3,1E-05	-2,500E-05
19-5-15 13:25	0,05	-0,566	0,19	-0,986	-0,011	-0,009	-0,011	-6,9E-05	-5,6E-05	-6,9E-05	-6,458E-05
19-5-15 13:50	0,06	-0,567	0,187	-0,994	-0,012	-0,012	-0,019	-7,5E-05	-7,5E-05	-1,2E-04	-8,958E-05
19-5-15 14:30	0,09	-0,571	0,182	-0,997	-0,016	-0,017	-0,022	-1,0E-04	-1,1E-04	-1,4E-04	-1,146E-04
19-5-15 14:50	0,10	-0,569	0,181	-0,996	-0,014	-0,018	-0,021	-8,7E-05	-1,1E-04	-1,3E-04	-1,104E-04
19-5-15 15:20	0,13	-0,572	0,182	-1	-0,017	-0,017	-0,025	-1,1E-04	-1,1E-04	-1,6E-04	-1,229E-04
19-5-15 15:50	0,15	-0,574	0,177	-1,003	-0,019	-0,022	-0,028	-1,2E-04	-1,4E-04	-1,7E-04	-1,438E-04
19-5-15 16:20	0,17	-0,578	0,176	-1,006	-0,023	-0,023	-0,031	-1,4E-04	-1,4E-04	-1,9E-04	-1,604E-04
20-5-15 11:20	0,96	-0,641	0,11	-1,069	-0,086	-0,089	-0,094	-5,4E-04	-5,6E-04	-5,9E-04	-5,604E-04
20-5-15 11:55	0,98	-0,649	0,104	-1,074	-0,094	-0,095	-0,099	-5,9E-04	-5,9E-04	-6,2E-04	-6,000E-04
20-5-15 12:20	1,00	-0,645	0,107	-1,071	-0,09	-0,092	-0,096	-5,6E-04	-5,8E-04	-6,0E-04	-5,792E-04
20-5-15 12:45	1,02	-0,646	0,105	-1,072	-0,091	-0,094	-0,097	-5,7E-04	-5,9E-04	-6,1E-04	-5,875E-04
20-5-15 13:15	1,04	-0,649	0,104	-1,075	-0,094	-0,095	-0,1	-5,9E-04	-5,9E-04	-6,3E-04	-6,021E-04
20-5-15 14:15	1,08	-0,65	0,102	-1,077	-0,095	-0,097	-0,102	-5,9E-04	-6,1E-04	-6,4E-04	-6,125E-04
20-5-15 14:45	1,10	-0,651	0,1	-1,078	-0,096	-0,099	-0,103	-6,0E-04	-6,2E-04	-6,4E-04	-6,208E-04
20-5-15 15:15	1,12	-0,651	0,097	-1,081	-0,096	-0,102	-0,106	-6,0E-04	-6,4E-04	-6,6E-04	-6,333E-04
21-5-15 10:15	1,91	-0,727	0,044	-1,11	-0,172	-0,155	-0,135	-1,1E-03	-9,7E-04	-8,4E-04	-9,625E-04
21-5-15 11:15	1,95	-0,728	0,04	-1,112	-0,173	-0,159	-0,137	-1,1E-03	-9,9E-04	-8,6E-04	-9,771E-04
21-5-15 12:15	2,00	-0,73	0,038	-1,114	-0,175	-0,161	-0,139	-1,1E-03	-1,0E-03	-8,7E-04	-9,896E-04
21-5-15 13:15	2,04	-0,736	0,035	-1,115	-0,181	-0,164	-0,14	-1,1E-03	-1,0E-03	-8,8E-04	-1,010E-03

25-5-15 9:10	5,87	-0,863	-0,111	-1,283	-0,308	-0,31	-0,308	-1,9E-03	-1,9E-03	-1,9E-03	-1,929E-03
25-5-15 13:05	6,03	-0,864	-0,114	-1,285	-0,309	-0,313	-0,31	-1,9E-03	-2,0E-03	-1,9E-03	-1,942E-03
26-5-15 11:35	6,97	-0,881	-0,133	-1,301	-0,326	-0,332	-0,326	-2,0E-03	-2,1E-03	-2,0E-03	-2,050E-03
26-5-15 14:20	7,08	-0,88	-0,132	-1,304	-0,325	-0,331	-0,329	-2,0E-03	-2,1E-03	-2,1E-03	-2,052E-03
26-5-15 16:05	7,16	-0,882	-0,135	-1,306	-0,327	-0,334	-0,331	-2,0E-03	-2,1E-03	-2,1E-03	-2,067E-03
27-5-15 10:30	7,92	-0,895	-0,148	-1,321	-0,34	-0,347	-0,346	-2,1E-03	-2,2E-03	-2,2E-03	-2,152E-03
27-5-15 12:30	8,01	-0,895	-0,148	-1,321	-0,34	-0,347	-0,346	-2,1E-03	-2,2E-03	-2,2E-03	-2,152E-03
27-5-15 15:30	8,13	-0,897	-0,15	-1,322	-0,342	-0,349	-0,347	-2,1E-03	-2,2E-03	-2,2E-03	-2,163E-03
28-5-15 10:00	8,90	-0,906	-0,158	-1,33	-0,351	-0,357	-0,355	-2,2E-03	-2,2E-03	-2,2E-03	-2,215E-03
28-5-15 12:00	8,99	-0,908	-0,161	-1,331	-0,353	-0,36	-0,356	-2,2E-03	-2,3E-03	-2,2E-03	-2,227E-03
28-5-15 14:00	9,07	-0,907	-0,16	-1,332	-0,352	-0,359	-0,357	-2,2E-03	-2,2E-03	-2,2E-03	-2,225E-03
29-5-15 11:20	9,96	-0,911	-0,164	-1,336	-0,356	-0,363	-0,361	-2,2E-03	-2,3E-03	-2,3E-03	-2,250E-03
29-5-15 13:30	10,05	-0,912	-0,163	-1,336	-0,357	-0,362	-0,361	-2,2E-03	-2,3E-03	-2,3E-03	-2,250E-03
29-5-15 15:30	10,13	-0,913	-0,165	-1,337	-0,358	-0,364	-0,362	-2,2E-03	-2,3E-03	-2,3E-03	-2,258E-03
3-6-15 10:15	14,91	-0,94	-0,19	-1,363	-0,385	-0,389	-0,388	-2,4E-03	-2,4E-03	-2,4E-03	-2,421E-03
3-6-15 12:25	15,00	-0,94	-0,191	-1,364	-0,385	-0,39	-0,389	-2,4E-03	-2,4E-03	-2,4E-03	-2,425E-03
3-6-15 14:20	15,08	-0,941	-0,191	-1,364	-0,386	-0,39	-0,389	-2,4E-03	-2,4E-03	-2,4E-03	-2,427E-03
4-6-15 10:30	15,92	-0,942	-0,192	-1,365	-0,387	-0,391	-0,39	-2,4E-03	-2,4E-03	-2,4E-03	-2,433E-03
4-6-15 12:30	16,01	-0,943	-0,193	-1,366	-0,388	-0,392	-0,391	-2,4E-03	-2,5E-03	-2,4E-03	-2,440E-03
4-6-15 15:30	16,13	-0,944	-0,195	-1,367	-0,389	-0,394	-0,392	-2,4E-03	-2,5E-03	-2,5E-03	-2,448E-03
5-6-15 10:45	16,93	-0,946	-0,198	-1,37	-0,391	-0,397	-0,395	-2,4E-03	-2,5E-03	-2,5E-03	-2,465E-03
5-6-15 12:25	17,00	-0,947	-0,199	-1,371	-0,392	-0,398	-0,396	-2,5E-03	-2,5E-03	-2,5E-03	-2,471E-03
8-6-15 8:10	19,83	-0,955	-0,205	-1,378	-0,4	-0,404	-0,403	-2,5E-03	-2,5E-03	-2,5E-03	-2,515E-03
8-6-15 14:55	20,11	-0,956	-0,206	-1,38	-0,401	-0,405	-0,405	-2,5E-03	-2,5E-03	-2,5E-03	-2,523E-03
9-6-15 8:20	20,83	-0,956	-0,207	-1,379	-0,401	-0,406	-0,404	-2,5E-03	-2,5E-03	-2,5E-03	-2,523E-03
9-6-15 15:20	21,13	-0,956	-0,208	-1,38	-0,401	-0,407	-0,405	-2,5E-03	-2,5E-03	-2,5E-03	-2,527E-03
10-6-15 11:15	21,95	-0,958	-0,209	-1,383	-0,403	-0,408	-0,408	-2,5E-03	-2,6E-03	-2,6E-03	-2,540E-03
10-6-15 14:45	22,10	-0,958	-0,21	-1,383	-0,403	-0,409	-0,408	-2,5E-03	-2,6E-03	-2,6E-03	-2,542E-03
11-6-15 15:30	23,13	-0,958	-0,21	-1,383	-0,403	-0,409	-0,408	-2,5E-03	-2,6E-03	-2,6E-03	-2,542E-03
12-6-15 10:05	23,91	-0,958	-0,21	-1,384	-0,403	-0,409	-0,409	-2,5E-03	-2,6E-03	-2,6E-03	-2,544E-03
12-6-15 15:20	24,13	-0,961	-0,212	-1,384	-0,406	-0,411	-0,409	-2,5E-03	-2,6E-03	-2,6E-03	-2,554E-03
15-6-15 10:50	26,94	-0,964	-0,216	-1,388	-0,409	-0,415	-0,413	-2,6E-03	-2,6E-03	-2,6E-03	-2,577E-03
16-6-15 15:00	28,11	-0,967	-0,217	-1,392	-0,412	-0,416	-0,417	-2,6E-03	-2,6E-03	-2,6E-03	-2,594E-03

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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:25	0,00	-0,654	-0,924	-0,553	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
9-6-15 12:05	0,03	-0,676	-0,944	-0,573	-0,022	-0,02	-0,02	-1,4E-04	-1,2E-04	-1,2E-04	-1,292E-04
9-6-15 13:20	0,08	-0,692	-0,956	-0,587	-0,038	-0,032	-0,034	-2,4E-04	-2,0E-04	-2,1E-04	-2,167E-04
9-6-15 13:55	0,10	-0,698	-0,961	-0,591	-0,044	-0,037	-0,038	-2,8E-04	-2,3E-04	-2,4E-04	-2,479E-04
9-6-15 14:25	0,13	-0,7	-0,964	-0,594	-0,046	-0,04	-0,041	-2,9E-04	-2,5E-04	-2,6E-04	-2,646E-04
9-6-15 15:05	0,15	-0,706	-0,97	-0,598	-0,052	-0,046	-0,045	-3,3E-04	-2,9E-04	-2,8E-04	-2,979E-04
9-6-15 15:40	0,18	-0,711	-0,975	-0,602	-0,057	-0,051	-0,049	-3,6E-04	-3,2E-04	-3,1E-04	-3,271E-04
10-6-15 10:55	0,98	-0,798	-1,062	-0,691	-0,144	-0,138	-0,138	-9,0E-04	-8,6E-04	-8,6E-04	-8,750E-04
10-6-15 11:35	1,01	-0,8	-1,064	-0,692	-0,146	-0,14	-0,139	-9,1E-04	-8,8E-04	-8,7E-04	-8,854E-04
10-6-15 12:15	1,03	-0,804	-1,067	-0,693	-0,15	-0,143	-0,14	-9,4E-04	-8,9E-04	-8,7E-04	-9,021E-04
10-6-15 12:55	1,06	-0,807	-1,068	-0,696	-0,153	-0,144	-0,143	-9,6E-04	-9,0E-04	-8,9E-04	-9,167E-04
10-6-15 13:45	1,10	-0,809	-1,069	-0,696	-0,155	-0,145	-0,143	-9,7E-04	-9,1E-04	-8,9E-04	-9,229E-04
10-6-15 14:25	1,13	-0,81	-1,071	-0,698	-0,156	-0,147	-0,145	-9,8E-04	-9,2E-04	-9,1E-04	-9,333E-04
10-6-15 15:10	1,16	-0,811	-1,072	-0,7	-0,157	-0,148	-0,147	-9,8E-04	-9,3E-04	-9,2E-04	-9,417E-04
11-6-15 15:10	2,16	-0,874	-1,134	-0,764	-0,22	-0,21	-0,211	-1,4E-03	-1,3E-03	-1,3E-03	-1,335E-03
11-6-15 15:55	2,19	-0,875	-1,136	-0,766	-0,221	-0,212	-0,213	-1,4E-03	-1,3E-03	-1,3E-03	-1,346E-03
12-6-15 9:50	2,93	-0,905	-1,167	-0,797	-0,251	-0,243	-0,244	-1,6E-03	-1,5E-03	-1,5E-03	-1,538E-03
12-6-15 10:40	2,97	-0,91	-1,168	-0,801	-0,256	-0,244	-0,248	-1,6E-03	-1,5E-03	-1,6E-03	-1,558E-03
12-6-15 13:50	3,10	-0,912	-1,172	-0,804	-0,258	-0,248	-0,251	-1,6E-03	-1,6E-03	-1,6E-03	-1,577E-03
12-6-15 15:10	3,16	-0,917	-1,179	-0,811	-0,263	-0,255	-0,258	-1,6E-03	-1,6E-03	-1,6E-03	-1,617E-03
15-6-15 10:35	5,97	-0,98	-1,239	-0,871	-0,326	-0,315	-0,318	-2,0E-03	-2,0E-03	-2,0E-03	-1,998E-03
15-6-15 13:05	6,07	-0,982	-1,241	-0,873	-0,328	-0,317	-0,32	-2,1E-03	-2,0E-03	-2,0E-03	-2,010E-03
15-6-15 15:45	6,18	-0,983	-1,243	-0,875	-0,329	-0,319	-0,322	-2,1E-03	-2,0E-03	-2,0E-03	-2,021E-03
16-6-15 9:45	6,93	-0,996	-1,253	-0,884	-0,342	-0,329	-0,331	-2,1E-03	-2,1E-03	-2,1E-03	-2,088E-03
16-6-15 15:20	7,16	-0,995	-1,254	-0,885	-0,341	-0,33	-0,332	-2,1E-03	-2,1E-03	-2,1E-03	-2,090E-03
17-6-15 9:55	7,94	-1,005	-1,26	-0,891	-0,351	-0,336	-0,338	-2,2E-03	-2,1E-03	-2,1E-03	-2,135E-03
17-6-15 14:15	8,12	-1,007	-1,26	-0,894	-0,353	-0,336	-0,341	-2,2E-03	-2,1E-03	-2,1E-03	-2,146E-03
22-6-15 12:20	13,04	-1,028	-1,282	-0,919	-0,374	-0,358	-0,366	-2,3E-03	-2,2E-03	-2,3E-03	-2,288E-03
23-6-15 10:10	13,95	-1,03	-1,286	-0,92	-0,376	-0,362	-0,367	-2,4E-03	-2,3E-03	-2,3E-03	-2,302E-03
23-6-15 15:45	14,18	-1,03	-1,286	-0,92	-0,376	-0,362	-0,367	-2,4E-03	-2,3E-03	-2,3E-03	-2,302E-03
24-6-15 10:25	14,96	-1,034	-1,288	-0,922	-0,38	-0,364	-0,369	-2,4E-03	-2,3E-03	-2,3E-03	-2,319E-03
24-6-15 15:40	15,18	-1,036	-1,288	-0,923	-0,382	-0,364	-0,37	-2,4E-03	-2,3E-03	-2,3E-03	-2,325E-03
25-6-15 12:10	16,03	-1,026	-1,28	-0,914	-0,372	-0,356	-0,361	-2,3E-03	-2,2E-03	-2,3E-03	-2,269E-03
26-6-15 10:15	16,95	-1,021	-1,272	-0,906	-0,367	-0,348	-0,353	-2,3E-03	-2,2E-03	-2,2E-03	-2,225E-03
26-6-15 15:25	17,17	-1,022	-1,274	-0,906	-0,368	-0,35	-0,353	-2,3E-03	-2,2E-03	-2,2E-03	-2,231E-03
29-6-15 9:40	19,93	-1,016	-1,267	-0,899	-0,362	-0,343	-0,346	-2,3E-03	-2,1E-03	-2,2E-03	-2,190E-03
29-6-15 14:50	20,14	-1,017	-1,266	-0,899	-0,363	-0,342	-0,346	-2,3E-03	-2,1E-03	-2,2E-03	-2,190E-03

30-6-15 10:25	20,96	-1,017	-1,266	-0,899	-0,363	-0,342	-0,346	-2,3E-03	-2,1E-03	-2,2E-03	-2,190E-03
30-6-15 15:00	21,15	-1,017	-1,267	-0,9	-0,363	-0,343	-0,347	-2,3E-03	-2,1E-03	-2,2E-03	-2,194E-03
1-7-15 9:55	21,94	-1,015	-1,266	-0,9	-0,361	-0,342	-0,347	-2,3E-03	-2,1E-03	-2,2E-03	-2,188E-03
1-7-15 13:55	22,10	-1,014	-1,266	-0,9	-0,36	-0,342	-0,347	-2,3E-03	-2,1E-03	-2,2E-03	-2,185E-03
2-7-15 9:55	22,94	-1,014	-1,263	-0,897	-0,36	-0,339	-0,344	-2,3E-03	-2,1E-03	-2,2E-03	-2,173E-03
2-7-15 15:15	23,16	-1,014	-1,263	-0,897	-0,36	-0,339	-0,344	-2,3E-03	-2,1E-03	-2,2E-03	-2,173E-03
3-7-15 8:40	23,89	-1,013	-1,262	-0,896	-0,359	-0,338	-0,343	-2,2E-03	-2,1E-03	-2,1E-03	-2,167E-03
6-7-15 9:45	26,93	-1,008	-1,258	-0,89	-0,354	-0,334	-0,337	-2,2E-03	-2,1E-03	-2,1E-03	-2,135E-03
6-7-15 15:35	27,17	-1,007	-1,257	-0,89	-0,353	-0,333	-0,337	-2,2E-03	-2,1E-03	-2,1E-03	-2,131E-03
7-7-15 11:00	27,98	-1,004	-1,253	-0,886	-0,35	-0,329	-0,333	-2,2E-03	-2,1E-03	-2,1E-03	-2,108E-03
7-7-15 15:30	28,17	-1,004	-1,254	-0,886	-0,35	-0,33	-0,333	-2,2E-03	-2,1E-03	-2,1E-03	-2,110E-03

SIS+EUC	DRY
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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:45	0,00	-0,23	-0,896	-0,226	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
26-5-15 12:15	0,02	-0,236	-0,901	-0,231	-0,006	-0,005	-0,005	-3,7E-05	-3,1E-05	-3,1E-05	-3,333E-05
26-5-15 12:45	0,04	-0,242	-0,905	-0,234	-0,012	-0,009	-0,008	-7,5E-05	-5,6E-05	-5,0E-05	-6,042E-05
26-5-15 13:55	0,09	-0,245	-0,911	-0,237	-0,015	-0,015	-0,011	-9,4E-05	-9,4E-05	-6,9E-05	-8,542E-05
26-5-15 14:25	0,11	-0,248	-0,913	-0,241	-0,018	-0,017	-0,015	-1,1E-04	-1,1E-04	-9,4E-05	-1,042E-04
26-5-15 14:55	0,13	-0,249	-0,915	-0,242	-0,019	-0,019	-0,016	-1,2E-04	-1,2E-04	-1,0E-04	-1,125E-04
26-5-15 15:25	0,15	-0,254	-0,918	-0,245	-0,024	-0,022	-0,019	-1,5E-04	-1,4E-04	-1,2E-04	-1,354E-04
26-5-15 15:55	0,17	-0,255	-0,919	-0,246	-0,025	-0,023	-0,02	-1,6E-04	-1,4E-04	-1,3E-04	-1,417E-04
26-5-15 16:25	0,19	-0,257	-0,922	-0,248	-0,027	-0,026	-0,022	-1,7E-04	-1,6E-04	-1,4E-04	-1,563E-04
27-5-15 10:20	0,94	-0,331	-0,988	-0,314	-0,101	-0,092	-0,088	-6,3E-04	-5,8E-04	-5,5E-04	-5,854E-04
27-5-15 10:50	0,96	-0,334	-0,99	-0,316	-0,104	-0,094	-0,09	-6,5E-04	-5,9E-04	-5,6E-04	-6,000E-04
27-5-15 11:20	0,98	-0,333	-0,99	-0,319	-0,103	-0,094	-0,093	-6,4E-04	-5,9E-04	-5,8E-04	-6,042E-04
27-5-15 11:50	1,00	-0,336	-0,992	-0,318	-0,106	-0,096	-0,092	-6,6E-04	-6,0E-04	-5,8E-04	-6,125E-04
27-5-15 12:20	1,02	-0,337	-0,993	-0,319	-0,107	-0,097	-0,093	-6,7E-04	-6,1E-04	-5,8E-04	-6,188E-04
27-5-15 12:50	1,05	-0,339	-0,994	-0,321	-0,109	-0,098	-0,095	-6,8E-04	-6,1E-04	-5,9E-04	-6,292E-04
27-5-15 13:20	1,07	-0,34	-0,996	-0,324	-0,11	-0,1	-0,098	-6,9E-04	-6,3E-04	-6,1E-04	-6,417E-04
27-5-15 14:20	1,11	-0,342	-0,999	-0,327	-0,112	-0,103	-0,101	-7,0E-04	-6,4E-04	-6,3E-04	-6,583E-04
27-5-15 14:50	1,13	-0,343	-1	-0,329	-0,113	-0,104	-0,103	-7,1E-04	-6,5E-04	-6,4E-04	-6,667E-04
27-5-15 15:20	1,15	-0,344	-1,001	-0,328	-0,114	-0,105	-0,102	-7,1E-04	-6,6E-04	-6,4E-04	-6,688E-04
27-5-15 15:50	1,17	-0,346	-1,001	-0,33	-0,116	-0,105	-0,104	-7,3E-04	-6,6E-04	-6,5E-04	-6,771E-04
28-5-15 10:20	1,94	-0,403	-1,055	-0,383	-0,173	-0,159	-0,157	-1,1E-03	-9,9E-04	-9,8E-04	-1,019E-03
28-5-15 11:20	1,98	-0,405	-1,057	-0,385	-0,175	-0,161	-0,159	-1,1E-03	-1,0E-03	-9,9E-04	-1,031E-03
28-5-15 12:20	2,02	-0,406	-1,058	-0,386	-0,176	-0,162	-0,16	-1,1E-03	-1,0E-03	-1,0E-03	-1,038E-03
28-5-15 13:20	2,07	-0,408	-1,06	-0,387	-0,178	-0,164	-0,161	-1,1E-03	-1,0E-03	-1,0E-03	-1,048E-03
28-5-15 14:20	2,11	-0,41	-1,062	-0,391	-0,18	-0,166	-0,165	-1,1E-03	-1,0E-03	-1,0E-03	-1,065E-03
28-5-15 15:20	2,15	-0,412	-1,066	-0,395	-0,182	-0,17	-0,169	-1,1E-03	-1,1E-03	-1,1E-03	-1,085E-03

29-5-15 11:10	2,98	-0,454	-1,107	-0,439	-0,224	-0,211	-0,213	-1,4E-03	-1,3E-03	-1,3E-03	-1,350E-03
29-5-15 13:20	3,07	-0,459	-1,114	-0,445	-0,229	-0,218	-0,219	-1,4E-03	-1,4E-03	-1,4E-03	-1,388E-03
29-5-15 15:20	3,15	-0,462	-1,116	-0,447	-0,232	-0,22	-0,221	-1,5E-03	-1,4E-03	-1,4E-03	-1,402E-03
3-6-15 10:05	7,93	-0,586	-1,241	-0,569	-0,356	-0,345	-0,343	-2,2E-03	-2,2E-03	-2,1E-03	-2,175E-03
3-6-15 12:15	8,02	-0,589	-1,245	-0,574	-0,359	-0,349	-0,348	-2,2E-03	-2,2E-03	-2,2E-03	-2,200E-03
3-6-15 14:10	8,10	-0,59	-1,246	-0,575	-0,36	-0,35	-0,349	-2,3E-03	-2,2E-03	-2,2E-03	-2,206E-03
4-6-15 10:20	8,94	-0,598	-1,253	-0,583	-0,368	-0,357	-0,357	-2,3E-03	-2,2E-03	-2,2E-03	-2,254E-03
4-6-15 12:20	9,02	-0,6	-1,254	-0,583	-0,37	-0,358	-0,357	-2,3E-03	-2,2E-03	-2,2E-03	-2,260E-03
4-6-15 15:20	9,15	-0,601	-1,254	-0,584	-0,371	-0,358	-0,358	-2,3E-03	-2,2E-03	-2,2E-03	-2,265E-03
5-6-15 10:35	9,95	-0,606	-1,26	-0,588	-0,376	-0,364	-0,362	-2,4E-03	-2,3E-03	-2,3E-03	-2,296E-03
5-6-15 14:15	10,10	-0,607	-1,261	-0,589	-0,377	-0,365	-0,363	-2,4E-03	-2,3E-03	-2,3E-03	-2,302E-03
8-6-15 8:00	12,84	-0,625	-1,279	-0,608	-0,395	-0,383	-0,382	-2,5E-03	-2,4E-03	-2,4E-03	-2,417E-03
8-6-15 14:45	13,13	-0,628	-1,281	-0,611	-0,398	-0,385	-0,385	-2,5E-03	-2,4E-03	-2,4E-03	-2,433E-03
9-6-15 8:10	13,85	-0,634	-1,288	-0,617	-0,404	-0,392	-0,391	-2,5E-03	-2,5E-03	-2,4E-03	-2,473E-03
9-6-15 15:10	14,14	-0,636	-1,289	-0,617	-0,406	-0,393	-0,391	-2,5E-03	-2,5E-03	-2,4E-03	-2,479E-03
10-6-15 11:05	14,97	-0,636	-1,29	-0,619	-0,406	-0,394	-0,393	-2,5E-03	-2,5E-03	-2,5E-03	-2,485E-03
10-6-15 14:35	15,12	-0,637	-1,291	-0,62	-0,407	-0,395	-0,394	-2,5E-03	-2,5E-03	-2,5E-03	-2,492E-03
11-6-15 15:20	16,15	-0,638	-1,291	-0,62	-0,408	-0,395	-0,394	-2,6E-03	-2,5E-03	-2,5E-03	-2,494E-03
12-6-15 9:55	16,92	-0,638	-1,292	-0,621	-0,408	-0,396	-0,395	-2,6E-03	-2,5E-03	-2,5E-03	-2,498E-03
12-6-15 15:15	17,15	-0,639	-1,293	-0,622	-0,409	-0,397	-0,396	-2,6E-03	-2,5E-03	-2,5E-03	-2,504E-03
15-6-15 10:40	19,95	-0,65	-1,303	-0,634	-0,42	-0,407	-0,408	-2,6E-03	-2,5E-03	-2,6E-03	-2,573E-03
15-6-15 15:50	20,17	-0,651	-1,304	-0,634	-0,421	-0,408	-0,408	-2,6E-03	-2,6E-03	-2,6E-03	-2,577E-03
16-6-15 9:50	20,92	-0,652	-1,305	-0,636	-0,422	-0,409	-0,41	-2,6E-03	-2,6E-03	-2,6E-03	-2,585E-03
16-6-15 15:25	21,15	-0,653	-1,306	-0,636	-0,423	-0,41	-0,41	-2,6E-03	-2,6E-03	-2,6E-03	-2,590E-03
17-6-15 10:00	21,93	-0,654	-1,307	-0,638	-0,424	-0,411	-0,412	-2,7E-03	-2,6E-03	-2,6E-03	-2,598E-03
17-6-15 14:20	22,11	-0,656	-1,309	-0,638	-0,426	-0,413	-0,412	-2,7E-03	-2,6E-03	-2,6E-03	-2,606E-03
22-6-15 12:25	27,03	-0,663	-1,315	-0,645	-0,433	-0,419	-0,419	-2,7E-03	-2,6E-03	-2,6E-03	-2,648E-03
23-6-15 10:15	27,94	-0,666	-1,321	-0,65	-0,436	-0,425	-0,424	-2,7E-03	-2,7E-03	-2,7E-03	-2,677E-03
23-6-15 15:50	28,17	-0,667	-1,322	-0,651	-0,437	-0,426	-0,425	-2,7E-03	-2,7E-03	-2,7E-03	-2,683E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:50	0,00	0,408	-0,507	-0,782	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
26-5-15 12:20	0,02	0,395	-0,522	-0,793	-0,013	-0,015	-0,011	-8,1E-05	-9,4E-05	-6,9E-05	-8,125E-05
26-5-15 12:50	0,04	0,392	-0,527	-0,798	-0,016	-0,02	-0,016	-1,0E-04	-1,3E-04	-1,0E-04	-1,083E-04
26-5-15 14:00	0,09	0,388	-0,541	-0,803	-0,02	-0,034	-0,021	-1,3E-04	-2,1E-04	-1,3E-04	-1,563E-04
26-5-15 14:30	0,11	0,38	-0,545	-0,812	-0,028	-0,038	-0,03	-1,8E-04	-2,4E-04	-1,9E-04	-2,000E-04
26-5-15 15:00	0,13	0,373	-0,548	-0,816	-0,035	-0,041	-0,034	-2,2E-04	-2,6E-04	-2,1E-04	-2,292E-04
26-5-15 15:30	0,15	0,373	-0,55	-0,817	-0,035	-0,043	-0,035	-2,2E-04	-2,7E-04	-2,2E-04	-2,354E-04
26-5-15 16:00	0,17	0,37	-0,547	-0,82	-0,038	-0,04	-0,038	-2,4E-04	-2,5E-04	-2,4E-04	-2,417E-04
26-5-15 16:30	0,19	0,366	-0,553	-0,827	-0,042	-0,046	-0,045	-2,6E-04	-2,9E-04	-2,8E-04	-2,771E-04
27-5-15 10:25	0,94	0,288	-0,628	-0,903	-0,12	-0,121	-0,121	-7,5E-04	-7,6E-04	-7,6E-04	-7,542E-04
27-5-15 10:55	0,96	0,289	-0,628	-0,904	-0,119	-0,121	-0,122	-7,4E-04	-7,6E-04	-7,6E-04	-7,542E-04
27-5-15 11:25	0,98	0,287	-0,63	-0,906	-0,121	-0,123	-0,124	-7,6E-04	-7,7E-04	-7,8E-04	-7,667E-04
27-5-15 11:55	1,00	0,286	-0,634	-0,909	-0,122	-0,127	-0,127	-7,6E-04	-7,9E-04	-7,9E-04	-7,833E-04
27-5-15 12:25	1,02	0,283	-0,636	-0,911	-0,125	-0,129	-0,129	-7,8E-04	-8,1E-04	-8,1E-04	-7,979E-04
27-5-15 12:55	1,05	0,28	-0,637	-0,912	-0,128	-0,13	-0,13	-8,0E-04	-8,1E-04	-8,1E-04	-8,083E-04
27-5-15 13:25	1,07	0,279	-0,638	-0,912	-0,129	-0,131	-0,13	-8,1E-04	-8,2E-04	-8,1E-04	-8,125E-04
27-5-15 14:25	1,11	0,276	-0,641	-0,915	-0,132	-0,134	-0,133	-8,3E-04	-8,4E-04	-8,3E-04	-8,313E-04
27-5-15 14:55	1,13	0,275	-0,642	-0,917	-0,133	-0,135	-0,135	-8,3E-04	-8,4E-04	-8,4E-04	-8,396E-04
27-5-15 15:25	1,15	0,274	-0,643	-0,918	-0,134	-0,136	-0,136	-8,4E-04	-8,5E-04	-8,5E-04	-8,458E-04
27-5-15 15:55	1,17	0,273	-0,646	-0,92	-0,135	-0,139	-0,138	-8,4E-04	-8,7E-04	-8,6E-04	-8,583E-04
28-5-15 10:25	1,94	0,229	-0,691	-0,966	-0,179	-0,184	-0,184	-1,1E-03	-1,2E-03	-1,2E-03	-1,140E-03
28-5-15 11:25	1,98	0,222	-0,695	-0,969	-0,186	-0,188	-0,187	-1,2E-03	-1,2E-03	-1,2E-03	-1,169E-03
28-5-15 12:25	2,02	0,221	-0,697	-0,97	-0,187	-0,19	-0,188	-1,2E-03	-1,2E-03	-1,2E-03	-1,177E-03
28-5-15 13:25	2,07	0,219	-0,699	-0,972	-0,189	-0,192	-0,19	-1,2E-03	-1,2E-03	-1,2E-03	-1,190E-03
28-5-15 14:25	2,11	0,218	-0,7	-0,973	-0,19	-0,193	-0,191	-1,2E-03	-1,2E-03	-1,2E-03	-1,196E-03
28-5-15 15:25	2,15	0,217	-0,701	-0,974	-0,191	-0,194	-0,192	-1,2E-03	-1,2E-03	-1,2E-03	-1,202E-03
29-5-15 11:15	2,98	0,18	-0,735	-1,005	-0,228	-0,228	-0,223	-1,4E-03	-1,4E-03	-1,4E-03	-1,415E-03
29-5-15 13:25	3,07	0,177	-0,739	-1,012	-0,231	-0,232	-0,23	-1,4E-03	-1,5E-03	-1,4E-03	-1,444E-03
29-5-15 15:25	3,15	0,175	-0,741	-1,015	-0,233	-0,234	-0,233	-1,5E-03	-1,5E-03	-1,5E-03	-1,458E-03
3-6-15 10:10	7,93	0,081	-0,835	-1,106	-0,327	-0,328	-0,324	-2,0E-03	-2,1E-03	-2,0E-03	-2,040E-03
3-6-15 12:20	8,02	0,078	-0,838	-1,11	-0,33	-0,331	-0,328	-2,1E-03	-2,1E-03	-2,1E-03	-2,060E-03
3-6-15 14:10	8,10	0,077	-0,838	-1,109	-0,331	-0,331	-0,327	-2,1E-03	-2,1E-03	-2,0E-03	-2,060E-03
4-6-15 10:25	8,94	0,071	-0,844	-1,113	-0,337	-0,337	-0,331	-2,1E-03	-2,1E-03	-2,1E-03	-2,094E-03
4-6-15 12:25	9,02	0,07	-0,846	-1,115	-0,338	-0,339	-0,333	-2,1E-03	-2,1E-03	-2,1E-03	-2,104E-03
4-6-15 15:25	9,15	0,069	-0,847	-1,117	-0,339	-0,34	-0,335	-2,1E-03	-2,1E-03	-2,1E-03	-2,113E-03
5-6-15 10:40	9,95	0,065	-0,851	-1,124	-0,343	-0,344	-0,342	-2,1E-03	-2,2E-03	-2,1E-03	-2,144E-03
5-6-15 14:20	10,10	0,063	-0,852	-1,122	-0,345	-0,345	-0,34	-2,2E-03	-2,2E-03	-2,1E-03	-2,146E-03
8-6-15 8:05	12,84	0,05	-0,867	-1,136	-0,358	-0,36	-0,354	-2,2E-03	-2,3E-03	-2,2E-03	-2,233E-03
8-6-15 14:50	13,13	0,046	-0,87	-1,14	-0,362	-0,363	-0,358	-2,3E-03	-2,3E-03	-2,2E-03	-2,256E-03

9-6-15 8:15	13,85	0,044	-0,872	-1,144	-0,364	-0,365	-0,362	-2,3E-03	-2,3E-03	-2,3E-03	-2,273E-03
9-6-15 15:15	14,14	0,043	-0,873	-1,144	-0,365	-0,366	-0,362	-2,3E-03	-2,3E-03	-2,3E-03	-2,277E-03
10-6-15 11:10	14,97	0,042	-0,874	-1,144	-0,366	-0,367	-0,362	-2,3E-03	-2,3E-03	-2,3E-03	-2,281E-03
10-6-15 14:40	15,12	0,042	-0,875	-1,145	-0,366	-0,368	-0,363	-2,3E-03	-2,3E-03	-2,3E-03	-2,285E-03
11-6-15 15:25	16,15	0,04	-0,875	-1,145	-0,368	-0,368	-0,363	-2,3E-03	-2,3E-03	-2,3E-03	-2,290E-03
12-6-15 10:00	16,92	0,04	-0,875	-1,145	-0,368	-0,368	-0,363	-2,3E-03	-2,3E-03	-2,3E-03	-2,290E-03
12-6-15 15:20	17,15	0,04	-0,876	-1,146	-0,368	-0,369	-0,364	-2,3E-03	-2,3E-03	-2,3E-03	-2,294E-03
15-6-15 10:45	19,95	0,032	-0,885	-1,154	-0,376	-0,378	-0,372	-2,4E-03	-2,4E-03	-2,3E-03	-2,346E-03
15-6-15 15:55	20,17	0,032	-0,886	-1,155	-0,376	-0,379	-0,373	-2,4E-03	-2,4E-03	-2,3E-03	-2,350E-03
16-6-15 9:55	20,92	0,031	-0,887	-1,156	-0,377	-0,38	-0,374	-2,4E-03	-2,4E-03	-2,3E-03	-2,356E-03
16-6-15 15:30	21,15	0,029	-0,887	-1,158	-0,379	-0,38	-0,376	-2,4E-03	-2,4E-03	-2,4E-03	-2,365E-03
17-6-15 10:05	21,93	0,027	-0,889	-1,159	-0,381	-0,382	-0,377	-2,4E-03	-2,4E-03	-2,4E-03	-2,375E-03
17-6-15 14:25	22,11	0,028	-0,889	-1,159	-0,38	-0,382	-0,377	-2,4E-03	-2,4E-03	-2,4E-03	-2,373E-03
22-6-15 12:30	27,03	0,021	-0,894	-1,166	-0,387	-0,387	-0,384	-2,4E-03	-2,4E-03	-2,4E-03	-2,413E-03
23-6-15 10:20	27,94	0,018	-0,897	-1,167	-0,39	-0,39	-0,385	-2,4E-03	-2,4E-03	-2,4E-03	-2,427E-03
23-6-15 15:50	28,17	0,018	-0,897	-1,168	-0,39	-0,39	-0,386	-2,4E-03	-2,4E-03	-2,4E-03	-2,429E-03

SIS+POW

DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
10-6-15 11:00	0,00	-0,7	0,533	-0,432	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
10-6-15 11:40	0,03	-0,716	0,516	-0,448	-0,016	-0,017	-0,016	-1,0E-04	-1,1E-04	-1,0E-04	-1,021E-04
10-6-15 12:20	0,06	-0,726	0,506	-0,459	-0,026	-0,027	-0,027	-1,6E-04	-1,7E-04	-1,7E-04	-1,667E-04
10-6-15 13:00	0,08	-0,731	0,502	-0,466	-0,031	-0,031	-0,034	-1,9E-04	-1,9E-04	-2,1E-04	-2,000E-04
10-6-15 13:50	0,12	-0,738	0,497	-0,474	-0,038	-0,036	-0,042	-2,4E-04	-2,3E-04	-2,6E-04	-2,417E-04
10-6-15 14:30	0,15	-0,743	0,49	-0,481	-0,043	-0,043	-0,049	-2,7E-04	-2,7E-04	-3,1E-04	-2,813E-04
10-6-15 15:15	0,18	-0,745	0,487	-0,486	-0,045	-0,046	-0,054	-2,8E-04	-2,9E-04	-3,4E-04	-3,021E-04
11-6-15 15:15	1,18	-0,855	0,38	-0,593	-0,155	-0,153	-0,161	-9,7E-04	-9,6E-04	-1,0E-03	-9,771E-04
11-6-15 15:45	1,20	-0,858	0,375	-0,596	-0,158	-0,158	-0,164	-9,9E-04	-9,9E-04	-1,0E-03	-1,000E-03
11-6-15 16:10	1,22	-0,859	0,374	-0,598	-0,159	-0,159	-0,166	-9,9E-04	-9,9E-04	-1,0E-03	-1,008E-03
12-6-15 9:40	1,94	-0,903	0,33	-0,648	-0,203	-0,203	-0,216	-1,3E-03	-1,3E-03	-1,4E-03	-1,296E-03
12-6-15 10:30	1,98	-0,907	0,325	-0,653	-0,207	-0,208	-0,221	-1,3E-03	-1,3E-03	-1,4E-03	-1,325E-03
12-6-15 13:40	2,11	-0,914	0,318	-0,658	-0,214	-0,215	-0,226	-1,3E-03	-1,3E-03	-1,4E-03	-1,365E-03
12-6-15 15:00	2,17	-0,915	0,316	-0,662	-0,215	-0,217	-0,23	-1,3E-03	-1,4E-03	-1,4E-03	-1,379E-03
12-6-15 15:35	2,19	-0,917	0,314	-0,664	-0,217	-0,219	-0,232	-1,4E-03	-1,4E-03	-1,5E-03	-1,392E-03
15-6-15 10:25	4,98	-1,013	0,217	-0,757	-0,313	-0,316	-0,325	-2,0E-03	-2,0E-03	-2,0E-03	-1,988E-03
15-6-15 12:55	5,08	-1,014	0,214	-0,761	-0,314	-0,319	-0,329	-2,0E-03	-2,0E-03	-2,1E-03	-2,004E-03
15-6-15 15:35	5,19	-1,015	0,214	-0,759	-0,315	-0,319	-0,327	-2,0E-03	-2,0E-03	-2,0E-03	-2,002E-03

16-6-15 9:35	5,94	-1,031	0,198	-0,774	-0,331	-0,335	-0,342	-2,1E-03	-2,1E-03	-2,1E-03	-2,100E-03
16-6-15 15:10	6,17	-1,033	0,196	-0,779	-0,333	-0,337	-0,347	-2,1E-03	-2,1E-03	-2,2E-03	-2,119E-03
17-6-15 9:45	6,95	-1,04	0,185	-0,786	-0,34	-0,348	-0,354	-2,1E-03	-2,2E-03	-2,2E-03	-2,171E-03
17-6-15 14:05	7,13	-1,041	0,185	-0,787	-0,341	-0,348	-0,355	-2,1E-03	-2,2E-03	-2,2E-03	-2,175E-03
22-6-15 12:10	12,05	-1,08	0,147	-0,826	-0,38	-0,386	-0,394	-2,4E-03	-2,4E-03	-2,5E-03	-2,417E-03
23-6-15 10:00	12,96	-1,083	0,143	-0,83	-0,383	-0,39	-0,398	-2,4E-03	-2,4E-03	-2,5E-03	-2,440E-03
23-6-15 15:35	13,19	-1,085	0,139	-0,833	-0,385	-0,394	-0,401	-2,4E-03	-2,5E-03	-2,5E-03	-2,458E-03
24-6-15 10:15	13,97	-1,09	0,136	-0,837	-0,39	-0,397	-0,405	-2,4E-03	-2,5E-03	-2,5E-03	-2,483E-03
24-6-15 15:30	14,19	-1,091	0,135	-0,838	-0,391	-0,398	-0,406	-2,4E-03	-2,5E-03	-2,5E-03	-2,490E-03
25-6-15 10:30	14,98	-1,07	0,148	-0,825	-0,37	-0,385	-0,393	-2,3E-03	-2,4E-03	-2,5E-03	-2,392E-03
25-6-15 12:05	15,05	-1,079	0,145	-0,827	-0,379	-0,388	-0,395	-2,4E-03	-2,4E-03	-2,5E-03	-2,421E-03
26-6-15 10:15	15,97	-1,073	0,147	-0,821	-0,373	-0,386	-0,389	-2,3E-03	-2,4E-03	-2,4E-03	-2,392E-03
26-6-15 15:15	16,18	-1,073	0,148	-0,821	-0,373	-0,385	-0,389	-2,3E-03	-2,4E-03	-2,4E-03	-2,390E-03
29-6-15 9:30	18,94	-1,066	0,153	-0,812	-0,366	-0,38	-0,38	-2,3E-03	-2,4E-03	-2,4E-03	-2,346E-03
29-6-15 14:40	19,15	-1,064	0,153	-0,809	-0,364	-0,38	-0,377	-2,3E-03	-2,4E-03	-2,4E-03	-2,335E-03
30-6-15 10:15	19,97	-1,062	0,155	-0,808	-0,362	-0,378	-0,376	-2,3E-03	-2,4E-03	-2,4E-03	-2,325E-03
30-6-15 14:50	20,16	-1,062	0,153	-0,809	-0,362	-0,38	-0,377	-2,3E-03	-2,4E-03	-2,4E-03	-2,331E-03
1-7-15 9:45	20,95	-1,063	0,153	-0,809	-0,363	-0,38	-0,377	-2,3E-03	-2,4E-03	-2,4E-03	-2,333E-03
1-7-15 13:45	21,11	-1,062	0,154	-0,809	-0,362	-0,379	-0,377	-2,3E-03	-2,4E-03	-2,4E-03	-2,329E-03
2-7-15 9:45	21,95	-1,061	0,157	-0,808	-0,361	-0,376	-0,376	-2,3E-03	-2,4E-03	-2,4E-03	-2,319E-03
2-7-15 15:05	22,17	-1,06	0,158	-0,809	-0,36	-0,375	-0,377	-2,3E-03	-2,3E-03	-2,4E-03	-2,317E-03
3-7-15 8:35	22,90	-1,06	0,155	-0,81	-0,36	-0,378	-0,378	-2,3E-03	-2,4E-03	-2,4E-03	-2,325E-03
6-7-15 8:00	25,88	-1,056	0,166	-0,806	-0,356	-0,367	-0,374	-2,2E-03	-2,3E-03	-2,3E-03	-2,285E-03
6-7-15 8:00	25,88	-1,055	0,164	-0,804	-0,355	-0,369	-0,372	-2,2E-03	-2,3E-03	-2,3E-03	-2,283E-03
7-7-15 8:00	26,88	-1,055	0,165	-0,805	-0,355	-0,368	-0,373	-2,2E-03	-2,3E-03	-2,3E-03	-2,283E-03
7-7-15 8:00	26,88	-1,054	0,164	-0,804	-0,354	-0,369	-0,372	-2,2E-03	-2,3E-03	-2,3E-03	-2,281E-03

ANNEX 2

ANNEX 2

Below are shown the calculates of the autogenous shrinkage strain.

STEEL 1,28%		AUTO									
Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
28-1-14 15:05	0,00	-1,005	-0,335	-0,440	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
28-1-14 15:20	0,01	-1,012	-0,338	-0,447	-0,007	-0,003	-0,007	-4,4E-05	-1,9E-05	-4,4E-05	-3,542E-05
28-1-14 15:40	0,02	-1,016	-0,342	-0,453	-0,011	-0,007	-0,013	-6,9E-05	-4,4E-05	-8,1E-05	-6,458E-05
28-1-14 15:45	0,03	-1,017	-0,344	-0,456	-0,012	-0,009	-0,016	-7,5E-05	-5,6E-05	-1,0E-04	-7,708E-05
28-1-14 16:00	0,04	-1,021	-0,347	-0,458	-0,016	-0,012	-0,018	-1,0E-04	-7,5E-05	-1,1E-04	-9,583E-05
28-1-14 16:11	0,05	-1,023	-0,348	-0,461	-0,018	-0,013	-0,021	-1,1E-04	-8,1E-05	-1,3E-04	-1,083E-04
28-1-14 16:21	0,05	-1,025	-0,349	-0,463	-0,02	-0,014	-0,023	-1,3E-04	-8,7E-05	-1,4E-04	-1,188E-04
28-1-14 16:31	0,06	-1,026	-0,350	-0,465	-0,021	-0,015	-0,025	-1,3E-04	-9,4E-05	-1,6E-04	-1,271E-04
28-1-14 16:41	0,07	-1,028	-0,352	-0,465	-0,023	-0,017	-0,025	-1,4E-04	-1,1E-04	-1,6E-04	-1,354E-04
29-1-14 10:35	0,81	-1,055	-0,379	-0,496	-0,05	-0,044	-0,056	-3,1E-04	-2,8E-04	-3,5E-04	-3,125E-04
29-1-14 10:50	0,82	-1,054	-0,379	-0,496	-0,049	-0,044	-0,056	-3,1E-04	-2,8E-04	-3,5E-04	-3,104E-04
29-1-14 11:20	0,84	-1,053	-0,378	-0,498	-0,048	-0,043	-0,058	-3,0E-04	-2,7E-04	-3,6E-04	-3,104E-04
29-1-14 11:50	0,86	-1,054	-0,379	-0,498	-0,049	-0,044	-0,058	-3,1E-04	-2,8E-04	-3,6E-04	-3,146E-04
29-1-14 12:20	0,89	-1,054	-0,379	-0,497	-0,049	-0,044	-0,057	-3,1E-04	-2,8E-04	-3,6E-04	-3,125E-04
29-1-14 12:50	0,91	-1,055	-0,379	-0,498	-0,05	-0,044	-0,058	-3,1E-04	-2,8E-04	-3,6E-04	-3,167E-04
29-1-14 13:20	0,93	-1,054	-0,379	-0,499	-0,049	-0,044	-0,059	-3,1E-04	-2,8E-04	-3,7E-04	-3,167E-04
29-1-14 13:50	0,95	-1,055	-0,379	-0,499	-0,05	-0,044	-0,059	-3,1E-04	-2,8E-04	-3,7E-04	-3,188E-04
29-1-14 14:20	0,97	-1,055	-0,379	-0,500	-0,05	-0,044	-0,06	-3,1E-04	-2,8E-04	-3,8E-04	-3,208E-04
29-1-14 14:50	0,99	-1,055	-0,379	-0,500	-0,05	-0,044	-0,06	-3,1E-04	-2,8E-04	-3,8E-04	-3,208E-04
29-1-14 15:20	1,01	-1,055	-0,378	-0,500	-0,05	-0,043	-0,06	-3,1E-04	-2,7E-04	-3,8E-04	-3,188E-04
29-1-14 15:50	1,03	-1,055	-0,378	-0,498	-0,05	-0,043	-0,058	-3,1E-04	-2,7E-04	-3,6E-04	-3,146E-04
29-1-14 16:20	1,05	-1,056	-0,380	-0,499	-0,051	-0,045	-0,059	-3,2E-04	-2,8E-04	-3,7E-04	-3,229E-04
29-1-14 17:50	1,11	-1,060	-0,384	-0,503	-0,055	-0,049	-0,063	-3,4E-04	-3,1E-04	-3,9E-04	-3,479E-04
29-1-14 18:20	1,14	-1,060	-0,385	-0,504	-0,055	-0,05	-0,064	-3,4E-04	-3,1E-04	-4,0E-04	-3,521E-04
29-1-14 18:50	1,16	-1,060	-0,385	-0,504	-0,055	-0,05	-0,064	-3,4E-04	-3,1E-04	-4,0E-04	-3,521E-04
30-1-14 11:30	1,85	-1,071	-0,396	-0,516	-0,066	-0,061	-0,076	-4,1E-04	-3,8E-04	-4,8E-04	-4,229E-04
30-1-14 12:35	1,90	-1,071	-0,396	-0,516	-0,066	-0,061	-0,076	-4,1E-04	-3,8E-04	-4,8E-04	-4,229E-04
30-1-14 13:30	1,93	-1,071	-0,396	-0,516	-0,066	-0,061	-0,076	-4,1E-04	-3,8E-04	-4,8E-04	-4,229E-04
30-1-14 14:30	1,98	-1,073	-0,397	-0,517	-0,068	-0,062	-0,077	-4,3E-04	-3,9E-04	-4,8E-04	-4,313E-04
30-1-14 15:30	2,02	-1,072	-0,397	-0,520	-0,067	-0,062	-0,08	-4,2E-04	-3,9E-04	-5,0E-04	-4,354E-04
30-1-14 17:30	2,10	-1,073	-0,398	-0,521	-0,068	-0,063	-0,081	-4,3E-04	-3,9E-04	-5,1E-04	-4,417E-04
31-1-14 10:10	2,80	-1,080	-0,407	-0,530	-0,075	-0,072	-0,09	-4,7E-04	-4,5E-04	-5,6E-04	-4,938E-04

31-1-14 11:10	2,84	-1,080	-0,406	-0,529	-0,075	-0,071	-0,089	-4,7E-04	-4,4E-04	-5,6E-04	-4,896E-04
31-1-14 12:00	2,87	-1,080	-0,406	-0,529	-0,075	-0,071	-0,089	-4,7E-04	-4,4E-04	-5,6E-04	-4,896E-04
31-1-14 13:40	2,94	-1,081	-0,408	-0,530	-0,076	-0,073	-0,09	-4,8E-04	-4,6E-04	-5,6E-04	-4,979E-04
31-1-14 15:00	3,00	-1,082	-0,409	-0,531	-0,077	-0,074	-0,091	-4,8E-04	-4,6E-04	-5,7E-04	-5,042E-04
31-1-14 16:00	3,04	-1,082	-0,409	-0,531	-0,077	-0,074	-0,091	-4,8E-04	-4,6E-04	-5,7E-04	-5,042E-04
3-2-14 8:40	5,73	-1,134	-0,466	-0,587	-0,129	-0,131	-0,147	-8,1E-04	-8,2E-04	-9,2E-04	-8,479E-04
3-2-14 10:40	5,82	-1,135	-0,466	-0,588	-0,13	-0,131	-0,148	-8,1E-04	-8,2E-04	-9,3E-04	-8,521E-04
3-2-14 12:15	5,88	-1,136	-0,467	-0,588	-0,131	-0,132	-0,148	-8,2E-04	-8,3E-04	-9,3E-04	-8,563E-04
3-2-14 13:40	5,94	-1,137	-0,469	-0,591	-0,132	-0,134	-0,151	-8,3E-04	-8,4E-04	-9,4E-04	-8,688E-04
3-2-14 14:40	5,98	-1,138	-0,470	-0,592	-0,133	-0,135	-0,152	-8,3E-04	-8,4E-04	-9,5E-04	-8,750E-04
3-2-14 15:45	6,03	-1,138	-0,470	-0,594	-0,133	-0,135	-0,154	-8,3E-04	-8,4E-04	-9,6E-04	-8,792E-04
4-2-14 11:10	6,84	-1,153	-0,486	-0,611	-0,148	-0,151	-0,171	-9,3E-04	-9,4E-04	-1,1E-03	-9,792E-04
4-2-14 12:40	6,90	-1,154	-0,486	-0,612	-0,149	-0,151	-0,172	-9,3E-04	-9,4E-04	-1,1E-03	-9,833E-04
4-2-14 13:55	6,95	-1,154	-0,487	-0,613	-0,149	-0,152	-0,173	-9,3E-04	-9,5E-04	-1,1E-03	-9,875E-04
4-2-14 15:40	7,02	-1,155	-0,488	-0,614	-0,15	-0,153	-0,174	-9,4E-04	-9,6E-04	-1,1E-03	-9,938E-04
4-2-14 17:40	7,11	-1,156	-0,489	-0,614	-0,151	-0,154	-0,174	-9,4E-04	-9,6E-04	-1,1E-03	-9,979E-04
5-2-14 12:00	7,87	-1,169	-0,503	-0,628	-0,164	-0,168	-0,188	-1,0E-03	-1,1E-03	-1,2E-03	-1,083E-03
5-2-14 13:00	7,91	-1,169	-0,503	-0,627	-0,164	-0,168	-0,187	-1,0E-03	-1,1E-03	-1,2E-03	-1,081E-03
5-2-14 14:00	7,95	-1,169	-0,503	-0,628	-0,164	-0,168	-0,188	-1,0E-03	-1,1E-03	-1,2E-03	-1,083E-03
5-2-14 14:30	7,98	-1,168	-0,503	-0,630	-0,163	-0,168	-0,19	-1,0E-03	-1,1E-03	-1,2E-03	-1,085E-03
5-2-14 15:30	8,02	-1,170	-0,504	-0,630	-0,165	-0,169	-0,19	-1,0E-03	-1,1E-03	-1,2E-03	-1,092E-03
6-2-14 10:30	8,81	-1,178	-0,514	-0,638	-0,173	-0,179	-0,198	-1,1E-03	-1,1E-03	-1,2E-03	-1,146E-03
6-2-14 11:30	8,85	-1,179	-0,514	-0,637	-0,174	-0,179	-0,197	-1,1E-03	-1,1E-03	-1,2E-03	-1,146E-03
6-2-14 12:30	8,89	-1,178	-0,514	-0,638	-0,173	-0,179	-0,198	-1,1E-03	-1,1E-03	-1,2E-03	-1,146E-03
6-2-14 13:30	8,93	-1,177	-0,512	-0,638	-0,172	-0,177	-0,198	-1,1E-03	-1,1E-03	-1,2E-03	-1,140E-03
6-2-14 14:30	8,98	-1,178	-0,514	-0,640	-0,173	-0,179	-0,2	-1,1E-03	-1,1E-03	-1,3E-03	-1,150E-03
6-2-14 15:30	9,02	-1,179	-0,513	-0,639	-0,174	-0,178	-0,199	-1,1E-03	-1,1E-03	-1,2E-03	-1,148E-03
7-2-14 11:30	9,85	-1,184	-0,519	-0,643	-0,179	-0,184	-0,203	-1,1E-03	-1,2E-03	-1,3E-03	-1,179E-03
7-2-14 12:30	9,89	-1,184	-0,519	-0,647	-0,179	-0,184	-0,207	-1,1E-03	-1,2E-03	-1,3E-03	-1,188E-03
7-2-14 13:30	9,93	-1,184	-0,518	-0,645	-0,179	-0,183	-0,205	-1,1E-03	-1,1E-03	-1,3E-03	-1,181E-03
7-2-14 14:30	9,98	-1,183	-0,518	-0,645	-0,178	-0,183	-0,205	-1,1E-03	-1,1E-03	-1,3E-03	-1,179E-03
7-2-14 15:30	10,02	-1,183	-0,519	-0,646	-0,178	-0,184	-0,206	-1,1E-03	-1,2E-03	-1,3E-03	-1,183E-03
10-2-14 10:40	12,82	-1,201	-0,537	-0,664	-0,196	-0,202	-0,224	-1,2E-03	-1,3E-03	-1,4E-03	-1,296E-03
10-2-14 11:40	12,86	-1,200	-0,536	-0,663	-0,195	-0,201	-0,223	-1,2E-03	-1,3E-03	-1,4E-03	-1,290E-03
10-2-14 12:40	12,90	-1,200	-0,536	-0,664	-0,195	-0,201	-0,224	-1,2E-03	-1,3E-03	-1,4E-03	-1,292E-03
10-2-14 13:40	12,94	-1,201	-0,536	-0,664	-0,196	-0,201	-0,224	-1,2E-03	-1,3E-03	-1,4E-03	-1,294E-03
10-2-14 15:00	13,00	-1,202	-0,538	-0,665	-0,197	-0,203	-0,225	-1,2E-03	-1,3E-03	-1,4E-03	-1,302E-03
10-2-14 16:00	13,04	-1,201	-0,537	-0,665	-0,196	-0,202	-0,225	-1,2E-03	-1,3E-03	-1,4E-03	-1,298E-03
11-2-14 11:20	13,84	-1,205	-0,541	-0,668	-0,2	-0,206	-0,228	-1,3E-03	-1,3E-03	-1,4E-03	-1,321E-03
11-2-14 12:20	13,89	-1,205	-0,539	-0,668	-0,2	-0,204	-0,228	-1,3E-03	-1,3E-03	-1,4E-03	-1,317E-03
11-2-14 13:20	13,93	-1,205	-0,539	-0,668	-0,2	-0,204	-0,228	-1,3E-03	-1,3E-03	-1,4E-03	-1,317E-03
11-2-14 14:45	13,99	-1,204	-0,539	-0,668	-0,199	-0,204	-0,228	-1,2E-03	-1,3E-03	-1,4E-03	-1,315E-03
11-2-14 15:45	14,03	-1,204	-0,540	-0,667	-0,199	-0,205	-0,227	-1,2E-03	-1,3E-03	-1,4E-03	-1,315E-03

12-2-14 11:00	14,83	-1,207	-0,542	-0,670	-0,202	-0,207	-0,23	-1,3E-03	-1,3E-03	-1,4E-03	-1,331E-03
12-2-14 13:50	14,95	-1,204	-0,539	-0,667	-0,199	-0,204	-0,227	-1,2E-03	-1,3E-03	-1,4E-03	-1,313E-03
12-2-14 14:45	14,99	-1,205	-0,540	-0,668	-0,2	-0,205	-0,228	-1,3E-03	-1,3E-03	-1,4E-03	-1,319E-03
12-2-14 15:45	15,03	-1,205	-0,540	-0,668	-0,2	-0,205	-0,228	-1,3E-03	-1,3E-03	-1,4E-03	-1,319E-03
13-2-14 11:20	15,84	-1,208	-0,545	-0,672	-0,203	-0,21	-0,232	-1,3E-03	-1,3E-03	-1,5E-03	-1,344E-03
13-2-14 12:20	15,89	-1,209	-0,544	-0,672	-0,204	-0,209	-0,232	-1,3E-03	-1,3E-03	-1,5E-03	-1,344E-03
13-2-14 13:40	15,94	-1,208	-0,545	-0,671	-0,203	-0,21	-0,231	-1,3E-03	-1,3E-03	-1,4E-03	-1,342E-03
13-2-14 14:40	15,98	-1,208	-0,545	-0,671	-0,203	-0,21	-0,231	-1,3E-03	-1,3E-03	-1,4E-03	-1,342E-03
13-2-14 16:00	16,04	-1,208	-0,544	-0,671	-0,203	-0,209	-0,231	-1,3E-03	-1,3E-03	-1,4E-03	-1,340E-03
14-2-14 12:10	16,88	-1,211	-0,548	-0,674	-0,206	-0,213	-0,234	-1,3E-03	-1,3E-03	-1,5E-03	-1,360E-03
14-2-14 13:55	16,95	-1,211	-0,547	-0,674	-0,206	-0,212	-0,234	-1,3E-03	-1,3E-03	-1,5E-03	-1,358E-03
14-2-14 15:55	17,03	-1,211	-0,547	-0,674	-0,206	-0,212	-0,234	-1,3E-03	-1,3E-03	-1,5E-03	-1,358E-03
17-2-14 11:40	19,86	-1,215	-0,553	-0,680	-0,21	-0,218	-0,24	-1,3E-03	-1,4E-03	-1,5E-03	-1,392E-03
17-2-14 13:40	19,94	-1,216	-0,554	-0,680	-0,211	-0,219	-0,24	-1,3E-03	-1,4E-03	-1,5E-03	-1,396E-03
17-2-14 15:40	20,02	-1,215	-0,553	-0,679	-0,21	-0,218	-0,239	-1,3E-03	-1,4E-03	-1,5E-03	-1,390E-03
18-2-14 12:00	20,87	-1,217	-0,554	-0,681	-0,212	-0,219	-0,241	-1,3E-03	-1,4E-03	-1,5E-03	-1,400E-03
18-2-14 14:00	20,95	-1,217	-0,555	-0,681	-0,212	-0,22	-0,241	-1,3E-03	-1,4E-03	-1,5E-03	-1,402E-03
18-2-14 16:00	21,04	-1,217	-0,555	-0,681	-0,212	-0,22	-0,241	-1,3E-03	-1,4E-03	-1,5E-03	-1,402E-03
19-2-14 12:20	21,89	-1,218	-0,557	-0,682	-0,213	-0,222	-0,242	-1,3E-03	-1,4E-03	-1,5E-03	-1,410E-03
19-2-14 16:00	22,04	-1,217	-0,556	-0,682	-0,212	-0,221	-0,242	-1,3E-03	-1,4E-03	-1,5E-03	-1,406E-03
20-2-14 11:40	22,86	-1,218	-0,557	-0,682	-0,213	-0,222	-0,242	-1,3E-03	-1,4E-03	-1,5E-03	-1,410E-03
20-2-14 16:00	23,04	-1,218	-0,557	-0,682	-0,213	-0,222	-0,242	-1,3E-03	-1,4E-03	-1,5E-03	-1,410E-03
21-2-14 11:20	23,84	-1,219	-0,558	-0,683	-0,214	-0,223	-0,243	-1,3E-03	-1,4E-03	-1,5E-03	-1,417E-03
21-2-14 15:45	24,03	-1,219	-0,558	-0,683	-0,214	-0,223	-0,243	-1,3E-03	-1,4E-03	-1,5E-03	-1,417E-03
24-2-14 10:30	26,81	-1,222	-0,561	-0,686	-0,217	-0,226	-0,246	-1,4E-03	-1,4E-03	-1,5E-03	-1,435E-03
24-2-14 15:50	27,03	-1,222	-0,559	-0,686	-0,217	-0,224	-0,246	-1,4E-03	-1,4E-03	-1,5E-03	-1,431E-03
25-2-14 10:15	27,80	-1,221	-0,560	-0,685	-0,216	-0,225	-0,245	-1,4E-03	-1,4E-03	-1,5E-03	-1,429E-03
25-2-14 15:00	28,00	-1,221	-0,560	-0,686	-0,216	-0,225	-0,246	-1,4E-03	-1,4E-03	-1,5E-03	-1,431E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
28-4-15 11:55	0,00	-1,072	-0,962	-0,446	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
28-4-15 12:25	0,02	-1,077	-0,961	-0,448	-0,005	0	-0,002	-3,1E-05	0,0E+00	-1,3E-05	-1,458E-05
28-4-15 12:55	0,04	-1,076	-0,963	-0,449	-0,004	-0,001	-0,003	-2,5E-05	-6,3E-06	-1,9E-05	-1,667E-05
28-4-15 13:25	0,06	-1,083	-0,969	-0,453	-0,011	-0,007	-0,007	-6,9E-05	-4,4E-05	-4,4E-05	-5,208E-05
28-4-15 13:55	0,08	-1,081	-0,967	-0,391	-0,009	-0,005	0	-5,6E-05	-3,1E-05	0,0E+00	-2,917E-05
28-4-15 14:25	0,10	-1,078	-0,966	-0,387	-0,006	-0,004	0	-3,8E-05	-2,5E-05	0,0E+00	-2,083E-05
28-4-15 14:55	0,12	-1,081	-0,969	-0,394	-0,009	-0,007	0	-5,6E-05	-4,4E-05	0,0E+00	-3,333E-05
28-4-15 15:25	0,15	-1,081	-0,971	-0,396	-0,009	-0,009	0	-5,6E-05	-5,6E-05	0,0E+00	-3,750E-05
28-4-15 15:55	0,17	-1,077	-0,967	-0,450	-0,005	-0,005	-0,004	-3,1E-05	-3,1E-05	-2,5E-05	-2,917E-05
28-4-15 16:25	0,19	-1,078	-0,967	-0,452	-0,006	-0,005	-0,006	-3,8E-05	-3,1E-05	-3,8E-05	-3,542E-05
28-4-15 16:55	0,21	-1,075	-0,967	-0,450	-0,003	-0,005	-0,004	-1,9E-05	-3,1E-05	-2,5E-05	-2,500E-05
28-4-15 17:25	0,23	-0,078	-0,969	-0,452	0	-0,007	-0,006	0,0E+00	-4,4E-05	-3,8E-05	-2,708E-05
29-4-15 10:10	0,93	-1,085	-0,972	-0,456	-0,013	-0,01	-0,01	-8,1E-05	-6,3E-05	-6,3E-05	-6,875E-05
29-4-15 10:40	0,95	-1,086	-0,974	-0,455	-0,014	-0,012	-0,009	-8,8E-05	-7,5E-05	-5,6E-05	-7,292E-05
29-4-15 12:30	1,02	-1,089	-0,976	-0,457	-0,017	-0,014	-0,011	-1,1E-04	-8,8E-05	-6,9E-05	-8,750E-05
29-4-15 12:45	1,03	-1,089	-0,977	-0,458	-0,017	-0,015	-0,012	-1,1E-04	-9,4E-05	-7,5E-05	-9,167E-05
29-4-15 13:15	1,06	-1,084	-0,974	-0,457	-0,012	-0,012	-0,011	-7,5E-05	-7,5E-05	-6,9E-05	-7,292E-05
29-4-15 13:45	1,08	-1,089	-0,979	-0,459	-0,017	-0,017	-0,013	-1,1E-04	-1,1E-04	-8,1E-05	-9,792E-05
29-4-15 14:15	1,10	-1,087	-0,975	-0,455	-0,015	-0,013	-0,009	-9,4E-05	-8,1E-05	-5,6E-05	-7,708E-05
29-4-15 14:45	1,12	-1,087	-0,976	-0,459	-0,015	-0,014	-0,013	-9,4E-05	-8,8E-05	-8,1E-05	-8,750E-05
29-4-15 15:15	1,14	-1,088	-0,976	-0,457	-0,016	-0,014	-0,011	-1,0E-04	-8,8E-05	-6,9E-05	-8,542E-05
29-4-15 15:45	1,16	-1,086	-0,974	-0,456	-0,014	-0,012	-0,01	-8,8E-05	-7,5E-05	-6,3E-05	-7,500E-05
30-4-15 10:00	1,92	-1,092	-0,979	-0,460	-0,02	-0,017	-0,014	-1,3E-04	-1,1E-04	-8,8E-05	-1,063E-04
30-4-15 11:00	1,96	-1,095	-0,981	-0,462	-0,023	-0,019	-0,016	-1,4E-04	-1,2E-04	-1,0E-04	-1,208E-04
30-4-15 12:00	2,00	-1,096	-0,982	-0,464	-0,024	-0,02	-0,018	-1,5E-04	-1,3E-04	-1,1E-04	-1,292E-04
30-4-15 13:00	2,05	-1,096	-0,981	-0,464	-0,024	-0,019	-0,018	-1,5E-04	-1,2E-04	-1,1E-04	-1,271E-04
30-4-15 14:00	2,09	-1,094	-0,980	-0,461	-0,022	-0,018	-0,015	-1,4E-04	-1,1E-04	-9,4E-05	-1,146E-04
30-4-15 15:00	2,13	-1,095	-0,980	-0,462	-0,023	-0,018	-0,016	-1,4E-04	-1,1E-04	-1,0E-04	-1,188E-04
30-4-15 16:00	2,17	-1,096	-0,981	-0,462	-0,024	-0,019	-0,016	-1,5E-04	-1,2E-04	-1,0E-04	-1,229E-04
4-5-15 8:45	5,87	-1,149	-1,025	-0,509	-0,077	-0,063	-0,063	-4,8E-04	-3,9E-04	-3,9E-04	-4,229E-04
4-5-15 11:45	5,99	-1,151	-1,025	-0,509	-0,079	-0,063	-0,063	-4,9E-04	-3,9E-04	-3,9E-04	-4,271E-04
4-5-15 13:45	6,08	-1,156	-1,027	-0,511	-0,084	-0,065	-0,065	-5,2E-04	-4,1E-04	-4,1E-04	-4,458E-04
5-5-15 10:30	6,94	-1,170	-1,040	-0,526	-0,098	-0,078	-0,08	-6,1E-04	-4,9E-04	-5,0E-04	-5,333E-04
5-5-15 12:30	7,02	-1,170	-1,039	-0,524	-0,098	-0,077	-0,078	-6,1E-04	-4,8E-04	-4,9E-04	-5,271E-04
5-5-15 14:30	7,11	-1,171	-1,040	-0,526	-0,099	-0,078	-0,08	-6,2E-04	-4,9E-04	-5,0E-04	-5,354E-04
5-5-15 16:30	7,19	-1,172	-1,041	-0,526	-0,1	-0,079	-0,08	-6,2E-04	-4,9E-04	-5,0E-04	-5,396E-04
6-5-15 10:30	7,94	-1,185	-1,051	-0,538	-0,113	-0,089	-0,092	-7,1E-04	-5,6E-04	-5,8E-04	-6,125E-04

6-5-15 12:30	8,02	-1,189	-1,052	-0,540	-0,117	-0,09	-0,094	-7,3E-04	-5,6E-04	-5,9E-04	-6,271E-04
6-5-15 14:30	8,11	-1,190	-1,052	-0,540	-0,118	-0,09	-0,094	-7,4E-04	-5,6E-04	-5,9E-04	-6,292E-04
6-5-15 16:30	8,19	-1,189	-1,053	-0,541	-0,117	-0,091	-0,095	-7,3E-04	-5,7E-04	-5,9E-04	-6,313E-04
7-5-15 10:00	8,92	-1,204	-1,055	-0,543	-0,132	-0,093	-0,097	-8,2E-04	-5,8E-04	-6,1E-04	-6,708E-04
7-5-15 12:00	9,00	-1,202	-1,057	-0,549	-0,13	-0,095	-0,103	-8,1E-04	-5,9E-04	-6,4E-04	-6,833E-04
7-5-15 14:00	9,09	-1,204	-1,057	-0,551	-0,132	-0,095	-0,105	-8,2E-04	-5,9E-04	-6,6E-04	-6,917E-04
11-5-15 15:00	13,13	-1,242	-1,089	-0,586	-0,17	-0,127	-0,14	-1,1E-03	-7,9E-04	-8,8E-04	-9,104E-04
11-5-15 17:00	13,21	-1,244	-1,089	-0,587	-0,172	-0,127	-0,141	-1,1E-03	-7,9E-04	-8,8E-04	-9,167E-04
12-5-15 10:30	13,94	-1,250	-1,096	-0,589	-0,178	-0,134	-0,143	-1,1E-03	-8,4E-04	-8,9E-04	-9,479E-04
12-5-15 12:30	14,02	-1,250	-1,096	-0,590	-0,178	-0,134	-0,144	-1,1E-03	-8,4E-04	-9,0E-04	-9,500E-04
12-5-15 14:30	14,11	-1,251	-1,097	-0,591	-0,179	-0,135	-0,145	-1,1E-03	-8,4E-04	-9,1E-04	-9,563E-04
12-5-15 16:30	14,19	-1,252	-1,097	-0,591	-0,18	-0,135	-0,145	-1,1E-03	-8,4E-04	-9,1E-04	-9,583E-04
13-5-15 10:00	14,92	-1,254	-1,102	-0,600	-0,182	-0,14	-0,154	-1,1E-03	-8,8E-04	-9,6E-04	-9,917E-04
13-5-15 12:00	15,00	-1,255	-1,103	-0,598	-0,183	-0,141	-0,152	-1,1E-03	-8,8E-04	-9,5E-04	-9,917E-04
13-5-15 14:30	15,11	-1,254	-1,102	-0,598	-0,182	-0,14	-0,152	-1,1E-03	-8,8E-04	-9,5E-04	-9,875E-04
14-5-15 9:00	15,88	-1,262	-1,107	-0,603	-0,19	-0,145	-0,157	-1,2E-03	-9,1E-04	-9,8E-04	-1,025E-03
14-5-15 11:00	15,96	-1,262	-1,108	-0,602	-0,19	-0,146	-0,156	-1,2E-03	-9,1E-04	-9,8E-04	-1,025E-03
14-5-15 13:30	16,07	-1,262	-1,108	-0,605	-0,19	-0,146	-0,159	-1,2E-03	-9,1E-04	-9,9E-04	-1,031E-03
15-5-15 9:00	16,88	-1,265	-1,113	-0,606	-0,193	-0,151	-0,16	-1,2E-03	-9,4E-04	-1,0E-03	-1,050E-03
15-5-15 11:00	16,96	-1,266	-1,114	-0,608	-0,194	-0,152	-0,162	-1,2E-03	-9,5E-04	-1,0E-03	-1,058E-03
15-5-15 13:00	17,05	-1,269	-1,118	-0,610	-0,197	-0,156	-0,164	-1,2E-03	-9,8E-04	-1,0E-03	-1,077E-03
18-5-15 8:45	19,87	-1,278	-1,126	-0,616	-0,206	-0,164	-0,17	-1,3E-03	-1,0E-03	-1,1E-03	-1,125E-03
18-5-15 15:45	20,16	-1,278	-1,127	-0,620	-0,206	-0,165	-0,174	-1,3E-03	-1,0E-03	-1,1E-03	-1,135E-03
19-5-15 12:05	21,01	-1,279	-1,128	-0,623	-0,207	-0,166	-0,177	-1,3E-03	-1,0E-03	-1,1E-03	-1,146E-03
19-5-15 14:05	21,09	-1,280	-1,130	-0,624	-0,208	-0,168	-0,178	-1,3E-03	-1,1E-03	-1,1E-03	-1,154E-03
19-5-15 16:05	21,17	-1,281	-1,132	-0,625	-0,209	-0,17	-0,179	-1,3E-03	-1,1E-03	-1,1E-03	-1,163E-03
20-5-15 10:30	21,94	-1,282	-1,135	-0,626	-0,21	-0,173	-0,18	-1,3E-03	-1,1E-03	-1,1E-03	-1,173E-03
20-5-15 12:30	22,02	-1,281	-1,136	-0,628	-0,209	-0,174	-0,182	-1,3E-03	-1,1E-03	-1,1E-03	-1,177E-03
21-5-15 10:30	22,94	-1,283	-1,138	-0,629	-0,211	-0,176	-0,183	-1,3E-03	-1,1E-03	-1,1E-03	-1,188E-03
21-5-15 12:30	23,02	-1,284	-1,139	-0,630	-0,212	-0,177	-0,184	-1,3E-03	-1,1E-03	-1,2E-03	-1,194E-03
25-5-15 10:30	26,94	-1,289	-1,147	-0,636	-0,217	-0,185	-0,19	-1,4E-03	-1,2E-03	-1,2E-03	-1,233E-03
25-5-15 12:30	27,02	-1,291	-1,149	-0,637	-0,219	-0,187	-0,191	-1,4E-03	-1,2E-03	-1,2E-03	-1,244E-03
26-5-15 10:20	27,93	-1,292	-1,151	-0,638	-0,22	-0,189	-0,192	-1,4E-03	-1,2E-03	-1,2E-03	-1,252E-03
26-5-15 12:20	28,02	-1,293	-1,152	-0,639	-0,221	-0,19	-0,193	-1,4E-03	-1,2E-03	-1,2E-03	-1,258E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
4-2-14 12:30	0,00	-0,675	-0,771	0,164	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
4-2-14 13:00	0,02	-0,678	-0,773	0,159	-0,003	-0,002	-0,005	-1,9E-05	-1,3E-05	-3,1E-05	-2,083E-05
4-2-14 13:30	0,04	-0,68	-0,774	0,156	-0,005	-0,003	-0,008	-3,1E-05	-1,9E-05	-5,0E-05	-3,333E-05
4-2-14 14:00	0,06	-0,681	-0,775	0,152	-0,006	-0,004	-0,012	-3,8E-05	-2,5E-05	-7,5E-05	-4,583E-05
4-2-14 14:30	0,08	-0,682	-0,776	0,151	-0,007	-0,005	-0,013	-4,4E-05	-3,1E-05	-8,1E-05	-5,208E-05
4-2-14 15:00	0,10	-0,682	-0,777	0,15	-0,007	-0,006	-0,014	-4,4E-05	-3,8E-05	-8,8E-05	-5,625E-05
4-2-14 15:30	0,13	-0,682	-0,779	0,149	-0,007	-0,008	-0,015	-4,4E-05	-5,0E-05	-9,4E-05	-6,250E-05
4-2-14 16:00	0,15	-0,683	-0,779	0,147	-0,008	-0,008	-0,017	-5,0E-05	-5,0E-05	-1,1E-04	-6,875E-05
4-2-14 17:30	0,21	-0,684	-0,782	0,145	-0,009	-0,011	-0,019	-5,6E-05	-6,9E-05	-1,2E-04	-8,125E-05
5-2-14 11:50	0,97	-0,698	-0,794	0,131	-0,023	-0,023	-0,033	-1,4E-04	-1,4E-04	-2,1E-04	-1,646E-04
5-2-14 12:30	1,00	-0,698	-0,794	0,128	-0,023	-0,023	-0,036	-1,4E-04	-1,4E-04	-2,3E-04	-1,708E-04
5-2-14 13:00	1,02	-0,698	-0,794	0,127	-0,023	-0,023	-0,037	-1,4E-04	-1,4E-04	-2,3E-04	-1,729E-04
5-2-14 13:30	1,04	-0,697	-0,794	0,128	-0,022	-0,023	-0,036	-1,4E-04	-1,4E-04	-2,3E-04	-1,688E-04
5-2-14 14:00	1,06	-0,698	-0,794	0,127	-0,023	-0,023	-0,037	-1,4E-04	-1,4E-04	-2,3E-04	-1,729E-04
5-2-14 14:30	1,08	-0,698	-0,794	0,125	-0,023	-0,023	-0,039	-1,4E-04	-1,4E-04	-2,4E-04	-1,771E-04
5-2-14 15:05	1,11	-0,699	-0,795	0,124	-0,024	-0,024	-0,04	-1,5E-04	-1,5E-04	-2,5E-04	-1,833E-04
5-2-14 15:35	1,13	-0,698	-0,794	0,125	-0,023	-0,023	-0,039	-1,4E-04	-1,4E-04	-2,4E-04	-1,771E-04
6-2-14 10:30	1,92	-0,708	-0,803	0,113	-0,033	-0,032	-0,051	-2,1E-04	-2,0E-04	-3,2E-04	-2,417E-04
6-2-14 11:30	1,96	-0,708	-0,804	0,113	-0,033	-0,033	-0,051	-2,1E-04	-2,1E-04	-3,2E-04	-2,438E-04
6-2-14 12:30	2,00	-0,708	-0,803	0,114	-0,033	-0,032	-0,05	-2,1E-04	-2,0E-04	-3,1E-04	-2,396E-04
6-2-14 13:30	2,04	-0,708	-0,803	0,113	-0,033	-0,032	-0,051	-2,1E-04	-2,0E-04	-3,2E-04	-2,417E-04
6-2-14 14:30	2,08	-0,71	-0,804	0,107	-0,035	-0,033	-0,057	-2,2E-04	-2,1E-04	-3,6E-04	-2,604E-04
6-2-14 15:30	2,13	-0,709	-0,804	0,103	-0,034	-0,033	-0,061	-2,1E-04	-2,1E-04	-3,8E-04	-2,667E-04
7-2-14 11:30	2,96	-0,712	-0,808	0,1	-0,037	-0,037	-0,064	-2,3E-04	-2,3E-04	-4,0E-04	-2,875E-04
7-2-14 12:30	3,00	-0,712	-0,807	0,099	-0,037	-0,036	-0,065	-2,3E-04	-2,3E-04	-4,1E-04	-2,875E-04
7-2-14 13:30	3,04	-0,713	-0,808	0,098	-0,038	-0,037	-0,066	-2,4E-04	-2,3E-04	-4,1E-04	-2,938E-04
7-2-14 14:30	3,08	-0,713	-0,808	0,099	-0,038	-0,037	-0,065	-2,4E-04	-2,3E-04	-4,1E-04	-2,917E-04
7-2-14 15:30	3,13	-0,713	-0,808	0,099	-0,038	-0,037	-0,065	-2,4E-04	-2,3E-04	-4,1E-04	-2,917E-04
10-2-14 10:40	5,92	-0,739	-0,833	0,073	-0,064	-0,062	-0,091	-4,0E-04	-3,9E-04	-5,7E-04	-4,521E-04
10-2-14 11:40	5,97	-0,739	-0,832	0,072	-0,064	-0,061	-0,092	-4,0E-04	-3,8E-04	-5,8E-04	-4,521E-04
10-2-14 12:40	6,01	-0,74	-0,832	0,073	-0,065	-0,061	-0,091	-4,1E-04	-3,8E-04	-5,7E-04	-4,521E-04
10-2-14 13:40	6,05	-0,74	-0,834	0,072	-0,065	-0,063	-0,092	-4,1E-04	-3,9E-04	-5,8E-04	-4,583E-04
10-2-14 15:00	6,10	-0,741	-0,835	0,071	-0,066	-0,064	-0,093	-4,1E-04	-4,0E-04	-5,8E-04	-4,646E-04
10-2-14 16:00	6,15	-0,742	-0,834	0,07	-0,067	-0,063	-0,094	-4,2E-04	-3,9E-04	-5,9E-04	-4,667E-04
11-2-14 11:20	6,95	-0,748	-0,84	0,065	-0,073	-0,069	-0,099	-4,6E-04	-4,3E-04	-6,2E-04	-5,021E-04
11-2-14 12:20	6,99	-0,748	-0,84	0,065	-0,073	-0,069	-0,099	-4,6E-04	-4,3E-04	-6,2E-04	-5,021E-04

11-2-14 13:20	7,03	-0,748	-0,841	0,064	-0,073	-0,07	-0,1	-4,6E-04	-4,4E-04	-6,3E-04	-5,063E-04
11-2-14 14:45	7,09	-0,749	-0,841	0,064	-0,074	-0,07	-0,1	-4,6E-04	-4,4E-04	-6,3E-04	-5,083E-04
11-2-14 15:45	7,14	-0,749	-0,841	0,064	-0,074	-0,07	-0,1	-4,6E-04	-4,4E-04	-6,3E-04	-5,083E-04
12-2-14 11:00	7,94	-0,756	-0,848	0,057	-0,081	-0,077	-0,107	-5,1E-04	-4,8E-04	-6,7E-04	-5,521E-04
12-2-14 13:50	8,06	-0,754	-0,846	0,059	-0,079	-0,075	-0,105	-4,9E-04	-4,7E-04	-6,6E-04	-5,396E-04
12-2-14 14:45	8,09	-0,755	-0,847	0,058	-0,08	-0,076	-0,106	-5,0E-04	-4,8E-04	-6,6E-04	-5,458E-04
12-2-14 15:45	8,14	-0,755	-0,847	0,057	-0,08	-0,076	-0,107	-5,0E-04	-4,8E-04	-6,7E-04	-5,479E-04
13-2-14 11:20	8,95	-0,764	-0,856	0,049	-0,089	-0,085	-0,115	-5,6E-04	-5,3E-04	-7,2E-04	-6,021E-04
13-2-14 12:20	8,99	-0,763	-0,855	0,049	-0,088	-0,084	-0,115	-5,5E-04	-5,3E-04	-7,2E-04	-5,979E-04
13-2-14 13:40	9,05	-0,763	-0,855	0,049	-0,088	-0,084	-0,115	-5,5E-04	-5,3E-04	-7,2E-04	-5,979E-04
13-2-14 14:40	9,09	-0,763	-0,854	0,05	-0,088	-0,083	-0,114	-5,5E-04	-5,2E-04	-7,1E-04	-5,938E-04
13-2-14 16:00	9,15	-0,763	-0,856	0,048	-0,088	-0,085	-0,116	-5,5E-04	-5,3E-04	-7,3E-04	-6,021E-04
14-2-14 12:10	9,99	-0,769	-0,863	0,041	-0,094	-0,092	-0,123	-5,9E-04	-5,8E-04	-7,7E-04	-6,438E-04
14-2-14 13:55	10,06	-0,769	-0,862	0,041	-0,094	-0,091	-0,123	-5,9E-04	-5,7E-04	-7,7E-04	-6,417E-04
14-2-14 15:55	10,14	-0,772	-0,863	0,041	-0,097	-0,092	-0,123	-6,1E-04	-5,8E-04	-7,7E-04	-6,500E-04
17-2-14 11:40	12,97	-0,789	-0,88	0,024	-0,114	-0,109	-0,14	-7,1E-04	-6,8E-04	-8,8E-04	-7,563E-04
17-2-14 13:40	13,05	-0,79	-0,882	0,023	-0,115	-0,111	-0,141	-7,2E-04	-6,9E-04	-8,8E-04	-7,646E-04
17-2-14 15:40	13,13	-0,79	-0,881	0,022	-0,115	-0,11	-0,142	-7,2E-04	-6,9E-04	-8,9E-04	-7,646E-04
18-2-14 12:00	13,98	-0,795	-0,887	0,016	-0,12	-0,116	-0,148	-7,5E-04	-7,3E-04	-9,3E-04	-8,000E-04
18-2-14 14:00	14,06	-0,795	-0,887	0,016	-0,12	-0,116	-0,148	-7,5E-04	-7,3E-04	-9,3E-04	-8,000E-04
18-2-14 16:00	14,15	-0,796	-0,887	0,015	-0,121	-0,116	-0,149	-7,6E-04	-7,3E-04	-9,3E-04	-8,042E-04
19-2-14 12:20	14,99	-0,8	-0,891	0,011	-0,125	-0,12	-0,153	-7,8E-04	-7,5E-04	-9,6E-04	-8,292E-04
19-2-14 16:00	15,15	-0,8	-0,892	0,011	-0,125	-0,121	-0,153	-7,8E-04	-7,6E-04	-9,6E-04	-8,313E-04
20-2-14 11:40	15,97	-0,805	-0,896	0,008	-0,13	-0,125	-0,156	-8,1E-04	-7,8E-04	-9,8E-04	-8,563E-04
20-2-14 16:00	16,15	-0,805	-0,896	0,006	-0,13	-0,125	-0,158	-8,1E-04	-7,8E-04	-9,9E-04	-8,604E-04
21-2-14 11:20	16,95	-0,809	-0,9	0,003	-0,134	-0,129	-0,161	-8,4E-04	-8,1E-04	-1,0E-03	-8,833E-04
21-2-14 15:45	17,14	-0,81	-0,901	0,003	-0,135	-0,13	-0,161	-8,4E-04	-8,1E-04	-1,0E-03	-8,875E-04
24-2-14 10:30	19,92	-0,822	-0,912	-0,008	-0,147	-0,141	-0,172	-9,2E-04	-8,8E-04	-1,1E-03	-9,583E-04
24-2-14 15:50	20,14	-0,822	-0,913	-0,01	-0,147	-0,142	-0,174	-9,2E-04	-8,9E-04	-1,1E-03	-9,646E-04
25-2-14 10:30	20,92	-0,824	-0,916	-0,014	-0,149	-0,145	-0,178	-9,3E-04	-9,1E-04	-1,1E-03	-9,833E-04
25-2-14 15:00	21,10	-0,826	-0,916	-0,016	-0,151	-0,145	-0,18	-9,4E-04	-9,1E-04	-1,1E-03	-9,917E-04
26-2-14 10:05	21,90	-0,829	-0,919	-0,018	-0,154	-0,148	-0,182	-9,6E-04	-9,3E-04	-1,1E-03	-1,008E-03
26-2-14 15:15	22,11	-0,83	-0,92	-0,021	-0,155	-0,149	-0,185	-9,7E-04	-9,3E-04	-1,2E-03	-1,019E-03
27-2-14 10:20	22,91	-0,832	-0,923	-0,021	-0,157	-0,152	-0,185	-9,8E-04	-9,5E-04	-1,2E-03	-1,029E-03
27-2-14 15:20	23,12	-0,832	-0,923	-0,023	-0,157	-0,152	-0,187	-9,8E-04	-9,5E-04	-1,2E-03	-1,033E-03
28-2-14 10:50	23,93	-0,835	-0,925	-0,025	-0,16	-0,154	-0,189	-1,0E-03	-9,6E-04	-1,2E-03	-1,048E-03
28-2-14 15:30	24,13	-0,834	-0,925	-0,023	-0,159	-0,154	-0,187	-9,9E-04	-9,6E-04	-1,2E-03	-1,042E-03
3-3-14 10:30	26,92	-0,842	-0,934	-0,032	-0,167	-0,163	-0,196	-1,0E-03	-1,0E-03	-1,2E-03	-1,096E-03
3-3-14 15:40	27,13	-0,842	-0,934	-0,032	-0,167	-0,163	-0,196	-1,0E-03	-1,0E-03	-1,2E-03	-1,096E-03
4-3-14 11:15	27,95	-0,844	-0,935	-0,033	-0,169	-0,164	-0,197	-1,1E-03	-1,0E-03	-1,2E-03	-1,104E-03
4-3-14 15:30	28,13	-0,844	-0,935	-0,034	-0,169	-0,164	-0,198	-1,1E-03	-1,0E-03	-1,2E-03	-1,106E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
4-2-14 12:30	0,00	-0,295	0,01	0,13	0,000	0,000	0,000	0,0E+00	0,0E+00	0,0E+00	0,000E+00
4-2-14 13:00	0,02	-0,299	0,007	0,125	-0,004	-0,003	-0,005	-2,5E-05	-1,9E-05	-3,1E-05	-2,500E-05
4-2-14 13:30	0,04	-0,3	0,006	0,124	-0,005	-0,004	-0,006	-3,1E-05	-2,5E-05	-3,8E-05	-3,125E-05
4-2-14 14:00	0,06	-0,302	0,005	0,122	-0,007	-0,005	-0,008	-4,4E-05	-3,1E-05	-5,0E-05	-4,167E-05
4-2-14 14:30	0,08	-0,304	0,003	0,12	-0,009	-0,007	-0,010	-5,6E-05	-4,4E-05	-6,3E-05	-5,417E-05
4-2-14 15:00	0,10	-0,305	0,002	0,119	-0,010	-0,008	-0,011	-6,3E-05	-5,0E-05	-6,9E-05	-6,042E-05
4-2-14 15:30	0,13	-0,305	0,001	0,118	-0,010	-0,009	-0,012	-6,3E-05	-5,6E-05	-7,5E-05	-6,458E-05
4-2-14 16:00	0,15	-0,308	0	0,117	-0,013	-0,010	-0,013	-8,1E-05	-6,3E-05	-8,1E-05	-7,500E-05
4-2-14 17:30	0,21	-0,31	-0,001	0,115	-0,015	-0,011	-0,015	-9,4E-05	-6,9E-05	-9,4E-05	-8,542E-05
5-2-14 11:50	0,97	-0,329	-0,022	0,095	-0,034	-0,032	-0,035	-2,1E-04	-2,0E-04	-2,2E-04	-2,104E-04
5-2-14 12:30	1,00	-0,329	-0,022	0,095	-0,034	-0,032	-0,035	-2,1E-04	-2,0E-04	-2,2E-04	-2,104E-04
5-2-14 13:00	1,02	-0,33	-0,023	0,094	-0,035	-0,033	-0,036	-2,2E-04	-2,1E-04	-2,3E-04	-2,167E-04
5-2-14 13:30	1,04	-0,329	-0,022	0,094	-0,034	-0,032	-0,036	-2,1E-04	-2,0E-04	-2,3E-04	-2,125E-04
5-2-14 14:00	1,06	-0,33	-0,022	0,095	-0,035	-0,032	-0,035	-2,2E-04	-2,0E-04	-2,2E-04	-2,125E-04
5-2-14 14:30	1,08	-0,33	-0,025	0,093	-0,035	-0,035	-0,037	-2,2E-04	-2,2E-04	-2,3E-04	-2,229E-04
5-2-14 15:05	1,11	-0,332	-0,025	0,093	-0,037	-0,035	-0,037	-2,3E-04	-2,2E-04	-2,3E-04	-2,271E-04
5-2-14 15:35	1,13	-0,331	-0,024	0,093	-0,036	-0,034	-0,037	-2,3E-04	-2,1E-04	-2,3E-04	-2,229E-04
6-2-14 10:30	1,92	-0,342	-0,036	0,08	-0,047	-0,046	-0,050	-2,9E-04	-2,9E-04	-3,1E-04	-2,979E-04
6-2-14 11:30	1,96	-0,343	-0,036	0,08	-0,048	-0,046	-0,050	-3,0E-04	-2,9E-04	-3,1E-04	-3,000E-04
6-2-14 12:30	2,00	-0,343	-0,037	0,079	-0,048	-0,047	-0,051	-3,0E-04	-2,9E-04	-3,2E-04	-3,042E-04
6-2-14 13:30	2,04	-0,344	-0,038	0,079	-0,049	-0,048	-0,051	-3,1E-04	-3,0E-04	-3,2E-04	-3,083E-04
6-2-14 14:30	2,08	-0,34	-0,04	0,078	-0,045	-0,050	-0,052	-2,8E-04	-3,1E-04	-3,3E-04	-3,063E-04
6-2-14 15:30	2,13	-0,34	-0,041	0,077	-0,045	-0,051	-0,053	-2,8E-04	-3,2E-04	-3,3E-04	-3,104E-04
7-2-14 11:30	2,96	-0,348	-0,046	0,072	-0,053	-0,056	-0,058	-3,3E-04	-3,5E-04	-3,6E-04	-3,479E-04
7-2-14 12:30	3,00	-0,35	-0,045	0,072	-0,055	-0,055	-0,058	-3,4E-04	-3,4E-04	-3,6E-04	-3,500E-04
7-2-14 13:30	3,04	-0,35	-0,045	0,072	-0,055	-0,055	-0,058	-3,4E-04	-3,4E-04	-3,6E-04	-3,500E-04
7-2-14 14:30	3,08	-0,351	-0,045	0,071	-0,056	-0,055	-0,059	-3,5E-04	-3,4E-04	-3,7E-04	-3,542E-04
7-2-14 15:30	3,13	-0,352	-0,046	0,071	-0,057	-0,056	-0,059	-3,6E-04	-3,5E-04	-3,7E-04	-3,583E-04
10-2-14 10:40	5,92	-0,381	-0,076	0,041	-0,086	-0,086	-0,089	-5,4E-04	-5,4E-04	-5,6E-04	-5,438E-04
10-2-14 11:40	5,97	-0,381	-0,076	0,04	-0,086	-0,086	-0,090	-5,4E-04	-5,4E-04	-5,6E-04	-5,458E-04
10-2-14 12:40	6,01	-0,381	-0,076	0,04	-0,086	-0,086	-0,090	-5,4E-04	-5,4E-04	-5,6E-04	-5,458E-04
10-2-14 13:40	6,05	-0,382	-0,077	0,039	-0,087	-0,087	-0,091	-5,4E-04	-5,4E-04	-5,7E-04	-5,521E-04
10-2-14 15:00	6,10	-0,383	-0,077	0,039	-0,088	-0,087	-0,091	-5,5E-04	-5,4E-04	-5,7E-04	-5,542E-04
10-2-14 16:00	6,15	-0,383	-0,077	0,039	-0,088	-0,087	-0,091	-5,5E-04	-5,4E-04	-5,7E-04	-5,542E-04
11-2-14 11:20	6,95	-0,391	-0,085	0,031	-0,096	-0,095	-0,099	-6,0E-04	-5,9E-04	-6,2E-04	-6,042E-04
11-2-14 12:20	6,99	-0,39	-0,085	0,032	-0,095	-0,095	-0,098	-5,9E-04	-5,9E-04	-6,1E-04	-6,000E-04
11-2-14 13:20	7,03	-0,39	-0,086	0,031	-0,095	-0,096	-0,099	-5,9E-04	-6,0E-04	-6,2E-04	-6,042E-04
11-2-14 14:45	7,09	-0,39	-0,085	0,031	-0,095	-0,095	-0,099	-5,9E-04	-5,9E-04	-6,2E-04	-6,021E-04
11-2-14 15:45	7,14	-0,391	-0,085	0,03	-0,096	-0,095	-0,100	-6,0E-04	-5,9E-04	-6,3E-04	-6,063E-04

12-2-14 11:00	7,94	-0,398	-0,093	0,024	-0,103	-0,103	-0,106	-6,4E-04	-6,4E-04	-6,6E-04	-6,500E-04
12-2-14 13:50	8,06	-0,396	-0,091	0,025	-0,101	-0,101	-0,105	-6,3E-04	-6,3E-04	-6,6E-04	-6,396E-04
12-2-14 14:45	8,09	-0,397	-0,091	0,024	-0,102	-0,101	-0,106	-6,4E-04	-6,3E-04	-6,6E-04	-6,438E-04
12-2-14 15:45	8,14	-0,398	-0,092	0,024	-0,103	-0,102	-0,106	-6,4E-04	-6,4E-04	-6,6E-04	-6,479E-04
13-2-14 11:20	8,95	-0,406	-0,101	0,015	-0,111	-0,111	-0,115	-6,9E-04	-6,9E-04	-7,2E-04	-7,021E-04
13-2-14 12:20	8,99	-0,406	-0,101	0,015	-0,111	-0,111	-0,115	-6,9E-04	-6,9E-04	-7,2E-04	-7,021E-04
13-2-14 13:40	9,05	-0,406	-0,101	0,015	-0,111	-0,111	-0,115	-6,9E-04	-6,9E-04	-7,2E-04	-7,021E-04
13-2-14 14:40	9,09	-0,406	-0,1	0,016	-0,111	-0,110	-0,114	-6,9E-04	-6,9E-04	-7,1E-04	-6,979E-04
13-2-14 16:00	9,15	-0,406	-0,101	0,015	-0,111	-0,111	-0,115	-6,9E-04	-6,9E-04	-7,2E-04	-7,021E-04
14-2-14 12:10	9,99	-0,413	-0,108	0,007	-0,118	-0,118	-0,123	-7,4E-04	-7,4E-04	-7,7E-04	-7,479E-04
14-2-14 13:55	10,06	-0,413	-0,107	0,008	-0,118	-0,117	-0,122	-7,4E-04	-7,3E-04	-7,6E-04	-7,438E-04
14-2-14 15:55	10,14	-0,413	-0,108	0,007	-0,118	-0,118	-0,123	-7,4E-04	-7,4E-04	-7,7E-04	-7,479E-04
17-2-14 11:40	12,97	-0,428	-0,124	-0,009	-0,133	-0,134	-0,139	-8,3E-04	-8,4E-04	-8,7E-04	-8,458E-04
17-2-14 13:40	13,05	-0,431	-0,126	-0,01	-0,136	-0,136	-0,140	-8,5E-04	-8,5E-04	-8,8E-04	-8,583E-04
17-2-14 15:40	13,13	-0,43	-0,125	-0,01	-0,135	-0,135	-0,140	-8,4E-04	-8,4E-04	-8,8E-04	-8,542E-04
18-2-14 12:00	13,98	-0,435	-0,13	-0,015	-0,140	-0,140	-0,145	-8,8E-04	-8,8E-04	-9,1E-04	-8,854E-04
18-2-14 14:00	14,06	-0,435	-0,13	-0,016	-0,140	-0,140	-0,146	-8,8E-04	-8,8E-04	-9,1E-04	-8,875E-04
18-2-14 16:00	14,15	-0,435	-0,131	-0,016	-0,140	-0,141	-0,146	-8,8E-04	-8,8E-04	-9,1E-04	-8,896E-04
19-2-14 12:20	14,99	-0,438	-0,134	-0,019	-0,143	-0,144	-0,149	-8,9E-04	-9,0E-04	-9,3E-04	-9,083E-04
19-2-14 16:00	15,15	-0,44	-0,136	-0,021	-0,145	-0,146	-0,151	-9,1E-04	-9,1E-04	-9,4E-04	-9,208E-04
20-2-14 11:40	15,97	-0,442	-0,138	-0,024	-0,147	-0,148	-0,154	-9,2E-04	-9,3E-04	-9,6E-04	-9,354E-04
20-2-14 16:00	16,15	-0,443	-0,14	-0,024	-0,148	-0,150	-0,154	-9,3E-04	-9,4E-04	-9,6E-04	-9,417E-04
21-2-14 11:20	16,95	-0,446	-0,143	-0,028	-0,151	-0,153	-0,158	-9,4E-04	-9,6E-04	-9,9E-04	-9,625E-04
21-2-14 15:45	17,14	-0,447	-0,144	-0,029	-0,152	-0,154	-0,159	-9,5E-04	-9,6E-04	-9,9E-04	-9,688E-04
24-2-14 10:30	19,92	-0,456	-0,153	-0,038	-0,161	-0,163	-0,168	-1,0E-03	-1,0E-03	-1,1E-03	-1,025E-03
24-2-14 15:50	20,14	-0,458	-0,154	-0,039	-0,163	-0,164	-0,169	-1,0E-03	-1,0E-03	-1,1E-03	-1,033E-03
25-2-14 10:30	20,92	-0,46	-0,157	-0,044	-0,165	-0,167	-0,174	-1,0E-03	-1,0E-03	-1,1E-03	-1,054E-03
25-2-14 15:00	21,10	-0,46	-0,157	-0,044	-0,165	-0,167	-0,174	-1,0E-03	-1,0E-03	-1,1E-03	-1,054E-03
26-2-14 10:05	21,90	-0,462	-0,16	-0,046	-0,167	-0,170	-0,176	-1,0E-03	-1,1E-03	-1,1E-03	-1,069E-03
26-2-14 15:15	22,11	-0,463	-0,16	-0,047	-0,168	-0,170	-0,177	-1,1E-03	-1,1E-03	-1,1E-03	-1,073E-03
27-2-14 10:20	22,91	-0,465	-0,162	-0,049	-0,170	-0,172	-0,179	-1,1E-03	-1,1E-03	-1,1E-03	-1,085E-03
27-2-14 15:20	23,12	-0,465	-0,162	-0,05	-0,170	-0,172	-0,180	-1,1E-03	-1,1E-03	-1,1E-03	-1,088E-03
28-2-14 10:50	23,93	-0,467	-0,164	-0,051	-0,172	-0,174	-0,181	-1,1E-03	-1,1E-03	-1,1E-03	-1,098E-03
28-2-14 15:30	24,13	-0,466	-0,164	-0,051	-0,171	-0,174	-0,181	-1,1E-03	-1,1E-03	-1,1E-03	-1,096E-03
3-3-14 10:30	26,92	-0,472	-0,17	-0,057	-0,177	-0,180	-0,187	-1,1E-03	-1,1E-03	-1,2E-03	-1,133E-03
3-3-14 15:40	27,13	-0,472	-0,169	-0,057	-0,177	-0,179	-0,187	-1,1E-03	-1,1E-03	-1,2E-03	-1,131E-03
4-3-14 11:15	27,95	-0,473	-0,17	-0,058	-0,178	-0,180	-0,188	-1,1E-03	-1,1E-03	-1,2E-03	-1,138E-03
4-3-14 15:30	28,13	-0,474	-0,171	-0,058	-0,179	-0,181	-0,188	-1,1E-03	-1,1E-03	-1,2E-03	-1,142E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
29-4-14 13:00	0,00	-0,052	-0,407	-0,213	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
29-4-14 13:15	0,01	-0,055	-0,411	-0,216	-0,003	-0,004	-0,003	-1,9E-05	-2,5E-05	-1,9E-05	-2,083E-05
29-4-14 13:45	0,03	-0,061	-0,417	-0,221	-0,009	-0,01	-0,008	-5,6E-05	-6,3E-05	-5,0E-05	-5,625E-05
29-4-14 14:00	0,04	-0,063	-0,419	-0,223	-0,011	-0,012	-0,01	-6,9E-05	-7,5E-05	-6,3E-05	-6,875E-05
29-4-14 14:15	0,05	-0,065	-0,421	-0,224	-0,013	-0,014	-0,011	-8,1E-05	-8,8E-05	-6,9E-05	-7,917E-05
29-4-14 14:45	0,07	-0,067	-0,424	-0,225	-0,015	-0,017	-0,012	-9,4E-05	-1,1E-04	-7,5E-05	-9,167E-05
29-4-14 15:15	0,09	-0,068	-0,427	-0,226	-0,016	-0,02	-0,013	-1,0E-04	-1,3E-04	-8,1E-05	-1,021E-04
29-4-14 15:30	0,10	-0,067	-0,43	-0,226	-0,015	-0,023	-0,013	-9,4E-05	-1,4E-04	-8,1E-05	-1,063E-04
30-4-14 12:30	0,98	-0,078	-0,439	-0,236	-0,026	-0,032	-0,023	-1,6E-04	-2,0E-04	-1,4E-04	-1,688E-04
30-4-14 14:30	1,06	-0,079	-0,443	-0,239	-0,027	-0,036	-0,026	-1,7E-04	-2,3E-04	-1,6E-04	-1,854E-04
30-4-14 15:30	1,10	-0,08	-0,443	-0,238	-0,028	-0,036	-0,025	-1,8E-04	-2,3E-04	-1,6E-04	-1,854E-04
5-5-14 10:50	5,91	-0,108	-0,477	-0,268	-0,056	-0,07	-0,055	-3,5E-04	-4,4E-04	-3,4E-04	-3,771E-04
5-5-14 12:50	5,99	-0,108	-0,478	-0,269	-0,056	-0,071	-0,056	-3,5E-04	-4,4E-04	-3,5E-04	-3,813E-04
5-5-14 16:00	6,13	-0,11	-0,479	-0,27	-0,058	-0,072	-0,057	-3,6E-04	-4,5E-04	-3,6E-04	-3,896E-04
6-5-14 13:30	7,02	-0,118	-0,488	-0,277	-0,066	-0,081	-0,064	-4,1E-04	-5,1E-04	-4,0E-04	-4,396E-04
6-5-14 15:00	7,08	-0,117	-0,49	-0,277	-0,065	-0,083	-0,064	-4,1E-04	-5,2E-04	-4,0E-04	-4,417E-04
7-5-14 9:40	7,86	-0,119	-0,495	-0,282	-0,067	-0,088	-0,069	-4,2E-04	-5,5E-04	-4,3E-04	-4,667E-04
7-5-14 15:00	8,08	-0,122	-0,495	-0,283	-0,07	-0,088	-0,07	-4,4E-04	-5,5E-04	-4,4E-04	-4,750E-04
8-5-14 15:00	9,08	-0,133	-0,504	-0,29	-0,081	-0,097	-0,077	-5,1E-04	-6,1E-04	-4,8E-04	-5,313E-04
9-5-14 13:10	10,01	-0,139	-0,51	-0,294	-0,087	-0,103	-0,081	-5,4E-04	-6,4E-04	-5,1E-04	-5,646E-04
9-5-14 15:00	10,08	-0,14	-0,512	-0,293	-0,088	-0,105	-0,08	-5,5E-04	-6,6E-04	-5,0E-04	-5,688E-04
12-5-14 15:00	13,08	-0,154	-0,529	-0,311	-0,102	-0,122	-0,098	-6,4E-04	-7,6E-04	-6,1E-04	-6,708E-04
13-5-14 16:00	14,13	-0,164	-0,535	-0,314	-0,112	-0,128	-0,101	-7,0E-04	-8,0E-04	-6,3E-04	-7,104E-04
14-5-14 16:00	15,13	-0,17	-0,54	-0,32	-0,118	-0,133	-0,107	-7,4E-04	-8,3E-04	-6,7E-04	-7,458E-04
15-5-14 15:30	16,10	-0,17	-0,544	-0,322	-0,118	-0,137	-0,109	-7,4E-04	-8,6E-04	-6,8E-04	-7,583E-04
16-5-14 15:30	17,10	-0,174	-0,548	-0,326	-0,122	-0,141	-0,113	-7,6E-04	-8,8E-04	-7,1E-04	-7,833E-04
20-5-14 16:00	21,13	-0,192	-0,563	-0,339	-0,14	-0,156	-0,126	-8,8E-04	-9,8E-04	-7,9E-04	-8,792E-04
21-5-14 15:30	22,10	-0,193	-0,564	-0,342	-0,141	-0,157	-0,129	-8,8E-04	-9,8E-04	-8,1E-04	-8,896E-04
22-5-14 11:30	22,94	-0,198	-0,568	-0,345	-0,146	-0,161	-0,132	-9,1E-04	-1,0E-03	-8,3E-04	-9,146E-04
26-5-14 16:30	27,15	-0,212	-0,579	-0,355	-0,16	-0,172	-0,142	-1,0E-03	-1,1E-03	-8,9E-04	-9,875E-04
27-5-14 15:30	28,10	-0,216	-0,583	-0,358	-0,164	-0,176	-0,145	-1,0E-03	-1,1E-03	-9,1E-04	-1,010E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
4-2-14 12:30	0,00	-0,546	-0,325	-0,27	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
4-2-14 13:00	0,02	-0,549	-0,33	-0,274	-0,003	-0,005	-0,004	-1,9E-05	-3,1E-05	-2,5E-05	-2,500E-05
4-2-14 13:30	0,04	-0,552	-0,331	-0,278	-0,006	-0,006	-0,008	-3,8E-05	-3,8E-05	-5,0E-05	-4,167E-05
4-2-14 14:00	0,06	-0,554	-0,334	-0,28	-0,008	-0,009	-0,01	-5,0E-05	-5,6E-05	-6,3E-05	-5,625E-05
4-2-14 14:30	0,08	-0,556	-0,337	-0,282	-0,01	-0,012	-0,012	-6,3E-05	-7,5E-05	-7,5E-05	-7,083E-05
4-2-14 15:00	0,10	-0,557	-0,339	-0,283	-0,011	-0,014	-0,013	-6,9E-05	-8,8E-05	-8,1E-05	-7,917E-05
4-2-14 15:30	0,13	-0,56	-0,34	-0,285	-0,014	-0,015	-0,015	-8,8E-05	-9,4E-05	-9,4E-05	-9,167E-05
4-2-14 16:00	0,15	-0,562	-0,342	-0,286	-0,016	-0,017	-0,016	-1,0E-04	-1,1E-04	-1,0E-04	-1,021E-04
4-2-14 17:30	0,21	-0,565	-0,344	-0,288	-0,019	-0,019	-0,018	-1,2E-04	-1,2E-04	-1,1E-04	-1,167E-04
5-2-14 11:50	0,97	-0,593	-0,372	-0,317	-0,047	-0,047	-0,047	-2,9E-04	-2,9E-04	-2,9E-04	-2,938E-04
5-2-14 12:30	1,00	-0,594	-0,372	-0,318	-0,048	-0,047	-0,048	-3,0E-04	-2,9E-04	-3,0E-04	-2,979E-04
5-2-14 13:00	1,02	-0,594	-0,373	-0,319	-0,048	-0,048	-0,049	-3,0E-04	-3,0E-04	-3,1E-04	-3,021E-04
5-2-14 13:30	1,04	-0,594	-0,374	-0,318	-0,048	-0,049	-0,048	-3,0E-04	-3,1E-04	-3,0E-04	-3,021E-04
5-2-14 14:00	1,06	-0,595	-0,374	-0,319	-0,049	-0,049	-0,049	-3,1E-04	-3,1E-04	-3,1E-04	-3,063E-04
5-2-14 14:30	1,08	-0,595	-0,376	-0,321	-0,049	-0,051	-0,051	-3,1E-04	-3,2E-04	-3,2E-04	-3,146E-04
5-2-14 15:05	1,11	-0,597	-0,377	-0,322	-0,051	-0,052	-0,052	-3,2E-04	-3,3E-04	-3,3E-04	-3,229E-04
5-2-14 15:35	1,13	-0,597	-0,375	-0,321	-0,051	-0,05	-0,051	-3,2E-04	-3,1E-04	-3,2E-04	-3,167E-04
6-2-14 10:30	1,92	-0,62	-0,394	-0,339	-0,074	-0,069	-0,069	-4,6E-04	-4,3E-04	-4,3E-04	-4,417E-04
6-2-14 11:30	1,96	-0,619	-0,394	-0,339	-0,073	-0,069	-0,069	-4,6E-04	-4,3E-04	-4,3E-04	-4,396E-04
6-2-14 12:30	2,00	-0,619	-0,396	-0,34	-0,073	-0,071	-0,07	-4,6E-04	-4,4E-04	-4,4E-04	-4,458E-04
6-2-14 13:30	2,04	-0,62	-0,397	-0,341	-0,074	-0,072	-0,071	-4,6E-04	-4,5E-04	-4,4E-04	-4,521E-04
6-2-14 14:30	2,08	-0,622	-0,398	-0,342	-0,076	-0,073	-0,072	-4,8E-04	-4,6E-04	-4,5E-04	-4,604E-04
6-2-14 15:30	2,13	-0,623	-0,399	-0,343	-0,077	-0,074	-0,073	-4,8E-04	-4,6E-04	-4,6E-04	-4,667E-04
7-2-14 11:30	2,96	-0,633	-0,409	-0,353	-0,087	-0,084	-0,083	-5,4E-04	-5,3E-04	-5,2E-04	-5,292E-04
7-2-14 12:30	3,00	-0,633	-0,409	-0,353	-0,087	-0,084	-0,083	-5,4E-04	-5,3E-04	-5,2E-04	-5,292E-04
7-2-14 13:30	3,04	-0,634	-0,41	-0,354	-0,088	-0,085	-0,084	-5,5E-04	-5,3E-04	-5,3E-04	-5,354E-04
7-2-14 14:30	3,08	-0,634	-0,41	-0,354	-0,088	-0,085	-0,084	-5,5E-04	-5,3E-04	-5,3E-04	-5,354E-04
7-2-14 15:30	3,13	-0,634	-0,411	-0,354	-0,088	-0,086	-0,084	-5,5E-04	-5,4E-04	-5,3E-04	-5,375E-04
10-2-14 10:40	5,92	-0,683	-0,457	-0,406	-0,137	-0,132	-0,136	-8,6E-04	-8,3E-04	-8,5E-04	-8,438E-04
10-2-14 11:40	5,97	-0,684	-0,458	-0,406	-0,138	-0,133	-0,136	-8,6E-04	-8,3E-04	-8,5E-04	-8,479E-04
10-2-14 12:40	6,01	-0,685	-0,458	-0,407	-0,139	-0,133	-0,137	-8,7E-04	-8,3E-04	-8,6E-04	-8,521E-04
10-2-14 13:40	6,05	-0,686	-0,458	-0,407	-0,14	-0,133	-0,137	-8,8E-04	-8,3E-04	-8,6E-04	-8,542E-04
10-2-14 15:00	6,10	-0,687	-0,459	-0,408	-0,141	-0,134	-0,138	-8,8E-04	-8,4E-04	-8,6E-04	-8,604E-04
10-2-14 16:00	6,15	-0,687	-0,46	-0,408	-0,141	-0,135	-0,138	-8,8E-04	-8,4E-04	-8,6E-04	-8,625E-04
11-2-14 11:20	6,95	-0,699	-0,472	-0,421	-0,153	-0,147	-0,151	-9,6E-04	-9,2E-04	-9,4E-04	-9,396E-04
11-2-14 12:20	6,99	-0,698	-0,472	-0,42	-0,152	-0,147	-0,15	-9,5E-04	-9,2E-04	-9,4E-04	-9,354E-04

11-2-14 13:20	7,03	-0,698	-0,472	-0,42	-0,152	-0,147	-0,15	-9,5E-04	-9,2E-04	-9,4E-04	-9,354E-04
11-2-14 14:45	7,09	-0,699	-0,472	-0,421	-0,153	-0,147	-0,151	-9,6E-04	-9,2E-04	-9,4E-04	-9,396E-04
11-2-14 15:45	7,14	-0,7	-0,473	-0,422	-0,154	-0,148	-0,152	-9,6E-04	-9,3E-04	-9,5E-04	-9,458E-04
12-2-14 11:00	7,94	-0,71	-0,484	-0,432	-0,164	-0,159	-0,162	-1,0E-03	-9,9E-04	-1,0E-03	-1,010E-03
12-2-14 13:50	8,06	-0,708	-0,481	-0,431	-0,162	-0,156	-0,161	-1,0E-03	-9,8E-04	-1,0E-03	-9,979E-04
12-2-14 14:45	8,09	-0,708	-0,482	-0,431	-0,162	-0,157	-0,161	-1,0E-03	-9,8E-04	-1,0E-03	-1,000E-03
12-2-14 15:45	8,14	-0,709	-0,482	-0,432	-0,163	-0,157	-0,162	-1,0E-03	-9,8E-04	-1,0E-03	-1,004E-03
13-2-14 11:20	8,95	-0,721	-0,494	-0,444	-0,175	-0,169	-0,174	-1,1E-03	-1,1E-03	-1,1E-03	-1,079E-03
13-2-14 12:20	8,99	-0,721	-0,494	-0,444	-0,175	-0,169	-0,174	-1,1E-03	-1,1E-03	-1,1E-03	-1,079E-03
13-2-14 13:40	9,05	-0,722	-0,494	-0,444	-0,176	-0,169	-0,174	-1,1E-03	-1,1E-03	-1,1E-03	-1,081E-03
13-2-14 14:40	9,09	-0,721	-0,494	-0,444	-0,175	-0,169	-0,174	-1,1E-03	-1,1E-03	-1,1E-03	-1,079E-03
13-2-14 16:00	9,15	-0,723	-0,495	-0,446	-0,177	-0,17	-0,176	-1,1E-03	-1,1E-03	-1,1E-03	-1,090E-03
14-2-14 12:10	9,99	-0,732	-0,504	-0,455	-0,186	-0,179	-0,185	-1,2E-03	-1,1E-03	-1,2E-03	-1,146E-03
14-2-14 13:55	10,06	-0,731	-0,503	-0,454	-0,185	-0,178	-0,184	-1,2E-03	-1,1E-03	-1,2E-03	-1,140E-03
14-2-14 15:55	10,14	-0,732	-0,504	-0,455	-0,186	-0,179	-0,185	-1,2E-03	-1,1E-03	-1,2E-03	-1,146E-03
17-2-14 11:40	12,97	-0,751	-0,522	-0,474	-0,205	-0,197	-0,204	-1,3E-03	-1,2E-03	-1,3E-03	-1,263E-03
17-2-14 13:40	13,05	-0,751	-0,523	-0,475	-0,205	-0,198	-0,205	-1,3E-03	-1,2E-03	-1,3E-03	-1,267E-03
17-2-14 15:40	13,13	-0,752	-0,523	-0,476	-0,206	-0,198	-0,206	-1,3E-03	-1,2E-03	-1,3E-03	-1,271E-03
18-2-14 12:00	13,98	-0,757	-0,528	-0,48	-0,211	-0,203	-0,21	-1,3E-03	-1,3E-03	-1,3E-03	-1,300E-03
18-2-14 14:00	14,06	-0,757	-0,528	-0,48	-0,211	-0,203	-0,21	-1,3E-03	-1,3E-03	-1,3E-03	-1,300E-03
18-2-14 16:00	14,15	-0,757	-0,528	-0,48	-0,211	-0,203	-0,21	-1,3E-03	-1,3E-03	-1,3E-03	-1,300E-03
19-2-14 12:20	14,99	-0,76	-0,531	-0,484	-0,214	-0,206	-0,214	-1,3E-03	-1,3E-03	-1,3E-03	-1,321E-03
19-2-14 16:00	15,15	-0,76	-0,532	-0,485	-0,214	-0,207	-0,215	-1,3E-03	-1,3E-03	-1,3E-03	-1,325E-03
20-2-14 11:40	15,97	-0,763	-0,534	-0,487	-0,217	-0,209	-0,217	-1,4E-03	-1,3E-03	-1,4E-03	-1,340E-03
20-2-14 16:00	16,15	-0,763	-0,535	-0,487	-0,217	-0,21	-0,217	-1,4E-03	-1,3E-03	-1,4E-03	-1,342E-03
21-2-14 11:20	16,95	-0,766	-0,538	-0,49	-0,22	-0,213	-0,22	-1,4E-03	-1,3E-03	-1,4E-03	-1,360E-03
21-2-14 15:45	17,14	-0,766	-0,538	-0,49	-0,22	-0,213	-0,22	-1,4E-03	-1,3E-03	-1,4E-03	-1,360E-03
24-2-14 10:30	19,92	-0,772	-0,544	-0,498	-0,226	-0,219	-0,228	-1,4E-03	-1,4E-03	-1,4E-03	-1,402E-03
24-2-14 15:50	20,14	-0,772	-0,544	-0,496	-0,226	-0,219	-0,226	-1,4E-03	-1,4E-03	-1,4E-03	-1,398E-03
25-2-14 10:30	20,92	-0,773	-0,544	-0,498	-0,227	-0,219	-0,228	-1,4E-03	-1,4E-03	-1,4E-03	-1,404E-03
25-2-14 15:00	21,10	-0,774	-0,546	-0,498	-0,228	-0,221	-0,228	-1,4E-03	-1,4E-03	-1,4E-03	-1,410E-03
26-2-14 10:05	21,90	-0,775	-0,547	-0,5	-0,229	-0,222	-0,23	-1,4E-03	-1,4E-03	-1,4E-03	-1,419E-03
26-2-14 15:15	22,11	-0,775	-0,547	-0,5	-0,229	-0,222	-0,23	-1,4E-03	-1,4E-03	-1,4E-03	-1,419E-03
27-2-14 10:20	22,91	-0,777	-0,549	-0,501	-0,231	-0,224	-0,231	-1,4E-03	-1,4E-03	-1,4E-03	-1,429E-03
27-2-14 15:20	23,12	-0,776	-0,549	-0,501	-0,23	-0,224	-0,231	-1,4E-03	-1,4E-03	-1,4E-03	-1,427E-03
28-2-14 10:50	23,93	-0,778	-0,549	-0,502	-0,232	-0,224	-0,232	-1,5E-03	-1,4E-03	-1,5E-03	-1,433E-03
28-2-14 15:30	24,13	-0,777	-0,548	-0,502	-0,231	-0,223	-0,232	-1,4E-03	-1,4E-03	-1,5E-03	-1,429E-03
3-3-14 10:30	26,92	-0,782	-0,552	-0,506	-0,236	-0,227	-0,236	-1,5E-03	-1,4E-03	-1,5E-03	-1,456E-03
3-3-14 15:40	27,13	-0,781	-0,551	-0,504	-0,235	-0,226	-0,234	-1,5E-03	-1,4E-03	-1,5E-03	-1,448E-03
4-3-14 11:15	27,95	-0,781	-0,551	-0,505	-0,235	-0,226	-0,235	-1,5E-03	-1,4E-03	-1,5E-03	-1,450E-03
4-3-14 15:30	28,13	-0,782	-0,551	-0,506	-0,236	-0,226	-0,236	-1,5E-03	-1,4E-03	-1,5E-03	-1,454E-03

POW

DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:20	0,00	-0,802	-0,958	0,005	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
9-6-15 12:00	0,03	-0,81	-0,969	-0,003	-0,008	-0,011	-0,008	-5,0E-05	-6,9E-05	-5,0E-05	-5,625E-05
9-6-15 13:15	0,08	-0,818	-0,978	-0,008	-0,016	-0,02	-0,013	-1,0E-04	-1,3E-04	-8,1E-05	-1,021E-04
9-6-15 13:50	0,10	-0,821	-0,98	-0,009	-0,019	-0,022	-0,014	-1,2E-04	-1,4E-04	-8,8E-05	-1,146E-04
9-6-15 14:20	0,13	-0,823	-0,981	-0,012	-0,021	-0,023	-0,017	-1,3E-04	-1,4E-04	-1,1E-04	-1,271E-04
9-6-15 15:00	0,15	-0,825	-0,982	-0,014	-0,023	-0,024	-0,019	-1,4E-04	-1,5E-04	-1,2E-04	-1,375E-04
9-6-15 15:35	0,18	-0,827	-0,985	-0,015	-0,025	-0,027	-0,02	-1,6E-04	-1,7E-04	-1,3E-04	-1,500E-04
10-6-15 10:50	0,98	-0,857	-1,016	-0,05	-0,055	-0,058	-0,055	-3,4E-04	-3,6E-04	-3,4E-04	-3,500E-04
10-6-15 11:30	1,01	-0,858	-1,017	-0,051	-0,056	-0,059	-0,056	-3,5E-04	-3,7E-04	-3,5E-04	-3,563E-04
10-6-15 12:10	1,03	-0,858	-1,017	-0,051	-0,056	-0,059	-0,056	-3,5E-04	-3,7E-04	-3,5E-04	-3,563E-04
10-6-15 12:50	1,06	-0,859	-1,018	-0,052	-0,057	-0,06	-0,057	-3,6E-04	-3,8E-04	-3,6E-04	-3,625E-04
10-6-15 13:40	1,10	-0,86	-1,019	-0,054	-0,058	-0,061	-0,059	-3,6E-04	-3,8E-04	-3,7E-04	-3,708E-04
10-6-15 14:20	1,13	-0,859	-1,02	-0,053	-0,057	-0,062	-0,058	-3,6E-04	-3,9E-04	-3,6E-04	-3,688E-04
10-6-15 15:05	1,16	-0,861	-1,021	-0,055	-0,059	-0,063	-0,06	-3,7E-04	-3,9E-04	-3,8E-04	-3,792E-04
11-6-15 15:05	2,16	-0,88	-1,038	-0,078	-0,078	-0,08	-0,083	-4,9E-04	-5,0E-04	-5,2E-04	-5,021E-04
11-6-15 15:55	2,19	-0,881	-1,038	-0,08	-0,079	-0,08	-0,085	-4,9E-04	-5,0E-04	-5,3E-04	-5,083E-04
12-6-15 9:45	2,93	-0,895	-1,055	-0,103	-0,093	-0,097	-0,108	-5,8E-04	-6,1E-04	-6,8E-04	-6,208E-04
12-6-15 10:35	2,97	-0,897	-1,056	-0,103	-0,095	-0,098	-0,108	-5,9E-04	-6,1E-04	-6,8E-04	-6,271E-04
12-6-15 13:45	3,10	-0,9	-1,06	-0,107	-0,098	-0,102	-0,112	-6,1E-04	-6,4E-04	-7,0E-04	-6,500E-04
12-6-15 15:05	3,16	-0,901	-1,06	-0,107	-0,099	-0,102	-0,112	-6,2E-04	-6,4E-04	-7,0E-04	-6,521E-04
15-6-15 10:30	5,97	-0,948	-1,111	-0,172	-0,146	-0,153	-0,177	-9,1E-04	-9,6E-04	-1,1E-03	-9,917E-04
15-6-15 13:00	6,07	-0,949	-1,112	-0,175	-0,147	-0,154	-0,18	-9,2E-04	-9,6E-04	-1,1E-03	-1,002E-03
15-6-15 15:40	6,18	-0,952	-1,115	-0,175	-0,15	-0,157	-0,18	-9,4E-04	-9,8E-04	-1,1E-03	-1,015E-03
16-6-15 9:40	6,93	-0,966	-1,127	-0,192	-0,164	-0,169	-0,197	-1,0E-03	-1,1E-03	-1,2E-03	-1,104E-03
16-6-15 15:15	7,16	-0,968	-1,128	-0,193	-0,166	-0,17	-0,198	-1,0E-03	-1,1E-03	-1,2E-03	-1,113E-03
17-6-15 9:50	7,94	-0,979	-1,141	-0,204	-0,177	-0,183	-0,209	-1,1E-03	-1,1E-03	-1,3E-03	-1,185E-03
17-6-15 14:10	8,12	-0,98	-1,141	-0,205	-0,178	-0,183	-0,21	-1,1E-03	-1,1E-03	-1,3E-03	-1,190E-03
22-6-15 12:15	13,04	-1,025	-1,186	-0,255	-0,223	-0,228	-0,26	-1,4E-03	-1,4E-03	-1,6E-03	-1,481E-03
23-6-15 10:05	13,95	-1,03	-1,191	-0,257	-0,228	-0,233	-0,262	-1,4E-03	-1,5E-03	-1,6E-03	-1,506E-03
23-6-15 15:40	14,18	-1,031	-1,191	-0,263	-0,229	-0,233	-0,268	-1,4E-03	-1,5E-03	-1,7E-03	-1,521E-03
24-6-15 10:20	14,96	-1,039	-1,197	-0,264	-0,237	-0,239	-0,269	-1,5E-03	-1,5E-03	-1,7E-03	-1,552E-03
24-6-15 15:35	15,18	-1,039	-1,197	-0,257	-0,237	-0,239	-0,262	-1,5E-03	-1,5E-03	-1,6E-03	-1,538E-03
25-6-15 12:05	16,03	-1,036	-1,195	-0,257	-0,234	-0,237	-0,262	-1,5E-03	-1,5E-03	-1,6E-03	-1,527E-03
26-6-15 10:15	16,95	-1,034	-1,191	-0,257	-0,232	-0,233	-0,262	-1,5E-03	-1,5E-03	-1,6E-03	-1,515E-03
26-6-15 15:20	17,17	-1,032	-1,19	-0,254	-0,23	-0,232	-0,259	-1,4E-03	-1,5E-03	-1,6E-03	-1,502E-03
29-6-15 9:35	19,93	-1,033	-1,192	-0,256	-0,231	-0,234	-0,261	-1,4E-03	-1,5E-03	-1,6E-03	-1,513E-03
29-6-15 14:45	20,14	-1,033	-1,192	-0,255	-0,231	-0,234	-0,26	-1,4E-03	-1,5E-03	-1,6E-03	-1,510E-03

30-6-15 10:20	20,96	-1,035	-1,193	-0,255	-0,233	-0,235	-0,26	-1,5E-03	-1,5E-03	-1,6E-03	-1,517E-03
30-6-15 14:55	21,15	-1,034	-1,192	-0,255	-0,232	-0,234	-0,26	-1,5E-03	-1,5E-03	-1,6E-03	-1,513E-03
1-7-15 9:50	21,94	-1,034	-1,192	-0,254	-0,232	-0,234	-0,259	-1,5E-03	-1,5E-03	-1,6E-03	-1,510E-03
1-7-15 13:50	22,10	-1,035	-1,192	-0,254	-0,233	-0,234	-0,259	-1,5E-03	-1,5E-03	-1,6E-03	-1,513E-03
2-7-15 9:50	22,94	-1,034	-1,192	-0,253	-0,232	-0,234	-0,258	-1,5E-03	-1,5E-03	-1,6E-03	-1,508E-03
2-7-15 15:10	23,16	-1,035	-1,194	-0,254	-0,233	-0,236	-0,259	-1,5E-03	-1,5E-03	-1,6E-03	-1,517E-03
3-7-15 8:50	23,90	-1,035	-1,192	-0,254	-0,233	-0,234	-0,259	-1,5E-03	-1,5E-03	-1,6E-03	-1,513E-03
6-7-15 9:40	26,93	-1,033	-1,192	-0,252	-0,231	-0,234	-0,257	-1,4E-03	-1,5E-03	-1,6E-03	-1,504E-03
6-7-15 15:30	27,17	-1,035	-1,195	-0,253	-0,233	-0,237	-0,258	-1,5E-03	-1,5E-03	-1,6E-03	-1,517E-03
7-7-15 10:55	27,98	-1,033	-1,191	-0,25	-0,231	-0,233	-0,255	-1,4E-03	-1,5E-03	-1,6E-03	-1,498E-03
7-7-15 15:30	28,17	-1,032	-1,189	-0,249	-0,23	-0,231	-0,254	-1,4E-03	-1,4E-03	-1,6E-03	-1,490E-03

ST+SIS.SAT	AUTO
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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	-1,185	-1,355	-1,576	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
5-5-15 12:10	0,02	-1,186	-1,357	-1,579	-1E-03	-0,002	-0,003	-6,2E-06	-1,3E-05	-1,9E-05	-1,250E-05
5-5-15 12:40	0,04	-1,193	-1,362	-1,584	-0,008	-0,007	-0,008	-5,0E-05	-4,4E-05	-5,0E-05	-4,792E-05
5-5-15 13:10	0,06	-1,191	-1,359	-1,579	-0,006	-0,004	-0,003	-3,8E-05	-2,5E-05	-1,9E-05	-2,708E-05
5-5-15 13:40	0,08	-1,193	-1,364	-1,585	-0,008	-0,009	-0,009	-5,0E-05	-5,6E-05	-5,6E-05	-5,417E-05
5-5-15 14:10	0,10	-1,19	-1,362	-1,583	-0,005	-0,007	-0,007	-3,1E-05	-4,4E-05	-4,4E-05	-3,958E-05
5-5-15 14:40	0,13	-1,191	-1,365	-1,584	-0,006	-0,01	-0,008	-3,8E-05	-6,3E-05	-5,0E-05	-5,000E-05
5-5-15 15:10	0,15	-1,193	-1,368	-1,588	-0,008	-0,013	-0,012	-5,0E-05	-8,1E-05	-7,5E-05	-6,875E-05
5-5-15 15:40	0,17	-1,191	-1,368	-1,587	-0,006	-0,013	-0,011	-3,8E-05	-8,1E-05	-6,9E-05	-6,250E-05
5-5-15 16:10	0,19	-1,191	-1,366	-1,584	-0,006	-0,011	-0,008	-3,8E-05	-6,9E-05	-5,0E-05	-5,208E-05
5-5-15 16:40	0,21	-1,194	-1,37	-1,588	-0,009	-0,015	-0,012	-5,6E-05	-9,4E-05	-7,5E-05	-7,500E-05
6-5-15 10:20	0,94	-1,207	-1,379	-1,595	-0,022	-0,024	-0,019	-1,4E-04	-1,5E-04	-1,2E-04	-1,354E-04
6-5-15 10:50	0,97	-1,206	-1,378	-1,597	-0,021	-0,023	-0,021	-1,3E-04	-1,4E-04	-1,3E-04	-1,354E-04
6-5-15 11:20	0,99	-1,209	-1,38	-1,599	-0,024	-0,025	-0,023	-1,5E-04	-1,6E-04	-1,4E-04	-1,500E-04
6-5-15 11:50	1,01	-1,207	-1,381	-1,598	-0,022	-0,026	-0,022	-1,4E-04	-1,6E-04	-1,4E-04	-1,458E-04
6-5-15 12:20	1,03	-1,207	-1,38	-1,598	-0,022	-0,025	-0,022	-1,4E-04	-1,6E-04	-1,4E-04	-1,438E-04
6-5-15 12:50	1,05	-1,206	-1,38	-1,597	-0,021	-0,025	-0,021	-1,3E-04	-1,6E-04	-1,3E-04	-1,396E-04
6-5-15 13:20	1,07	-1,208	-1,379	-1,595	-0,023	-0,024	-0,019	-1,4E-04	-1,5E-04	-1,2E-04	-1,375E-04
6-5-15 13:50	1,09	-1,209	-1,382	-1,599	-0,024	-0,027	-0,023	-1,5E-04	-1,7E-04	-1,4E-04	-1,542E-04
6-5-15 14:20	1,11	-1,21	-1,383	-1,6	-0,025	-0,028	-0,024	-1,6E-04	-1,8E-04	-1,5E-04	-1,604E-04
6-5-15 14:50	1,13	-1,21	-1,384	-1,601	-0,025	-0,029	-0,025	-1,6E-04	-1,8E-04	-1,6E-04	-1,646E-04
6-5-15 15:20	1,15	-1,209	-1,383	-1,598	-0,024	-0,028	-0,022	-1,5E-04	-1,8E-04	-1,4E-04	-1,542E-04
6-5-15 15:50	1,17	-1,21	-1,383	-1,6	-0,025	-0,028	-0,024	-1,6E-04	-1,8E-04	-1,5E-04	-1,604E-04
6-5-15 16:20	1,19	-1,21	-1,384	-1,602	-0,025	-0,029	-0,026	-1,6E-04	-1,8E-04	-1,6E-04	-1,667E-04
7-5-15 10:20	1,94	-1,228	-1,395	-1,614	-0,043	-0,04	-0,038	-2,7E-04	-2,5E-04	-2,4E-04	-2,521E-04
7-5-15 11:20	1,99	-1,228	-1,398	-1,615	-0,043	-0,043	-0,039	-2,7E-04	-2,7E-04	-2,4E-04	-2,604E-04

7-5-15 12:20	2,03	-1,226	-1,396	-1,613	-0,041	-0,041	-0,037	-2,6E-04	-2,6E-04	-2,3E-04	-2,479E-04
7-5-15 13:20	2,07	-1,227	-1,395	-1,613	-0,042	-0,04	-0,037	-2,6E-04	-2,5E-04	-2,3E-04	-2,479E-04
7-5-15 14:20	2,11	-1,228	-1,398	-1,616	-0,043	-0,043	-0,04	-2,7E-04	-2,7E-04	-2,5E-04	-2,625E-04
7-5-15 15:20	2,15	-1,228	-1,396	-1,615	-0,043	-0,041	-0,039	-2,7E-04	-2,6E-04	-2,4E-04	-2,563E-04
11-5-15 14:50	6,13	-1,314	-1,459	-1,681	-0,129	-0,104	-0,105	-8,1E-04	-6,5E-04	-6,6E-04	-7,042E-04
11-5-15 16:50	6,22	-1,316	-1,461	-1,683	-0,131	-0,106	-0,107	-8,2E-04	-6,6E-04	-6,7E-04	-7,167E-04
12-5-15 10:20	6,94	-1,327	-1,467	-1,694	-0,142	-0,112	-0,118	-8,9E-04	-7,0E-04	-7,4E-04	-7,750E-04
12-5-15 12:20	7,03	-1,333	-1,47	-1,696	-0,148	-0,115	-0,12	-9,2E-04	-7,2E-04	-7,5E-04	-7,979E-04
12-5-15 14:20	7,11	-1,332	-1,469	-1,696	-0,147	-0,114	-0,12	-9,2E-04	-7,1E-04	-7,5E-04	-7,938E-04
12-5-15 16:20	7,19	-1,333	-1,47	-1,698	-0,148	-0,115	-0,122	-9,2E-04	-7,2E-04	-7,6E-04	-8,021E-04
13-5-15 10:00	7,93	-1,348	-1,481	-1,705	-0,163	-0,126	-0,129	-1,0E-03	-7,9E-04	-8,1E-04	-8,708E-04
13-5-15 12:00	8,01	-1,349	-1,481	-1,707	-0,164	-0,126	-0,131	-1,0E-03	-7,9E-04	-8,2E-04	-8,771E-04
13-5-15 14:00	8,10	-1,348	-1,482	-1,708	-0,163	-0,127	-0,132	-1,0E-03	-7,9E-04	-8,2E-04	-8,792E-04
14-5-15 8:50	8,88	-1,36	-1,488	-1,715	-0,175	-0,133	-0,139	-1,1E-03	-8,3E-04	-8,7E-04	-9,313E-04
14-5-15 10:50	8,97	-1,36	-1,488	-1,716	-0,175	-0,133	-0,14	-1,1E-03	-8,3E-04	-8,7E-04	-9,333E-04
14-5-15 12:50	9,05	-1,364	-1,49	-1,72	-0,179	-0,135	-0,144	-1,1E-03	-8,4E-04	-9,0E-04	-9,542E-04
15-5-15 9:00	9,89	-1,376	-1,493	-1,735	-0,191	-0,138	-0,159	-1,2E-03	-8,6E-04	-9,9E-04	-1,017E-03
15-5-15 11:00	9,97	-1,377	-1,494	-1,739	-0,192	-0,139	-0,163	-1,2E-03	-8,7E-04	-1,0E-03	-1,029E-03
15-5-15 13:00	10,06	-1,377	-1,496	-1,743	-0,192	-0,141	-0,167	-1,2E-03	-8,8E-04	-1,0E-03	-1,042E-03
18-5-15 8:50	12,88	-1,408	-1,518	-1,752	-0,223	-0,163	-0,176	-1,4E-03	-1,0E-03	-1,1E-03	-1,171E-03
18-5-15 15:50	13,17	-1,407	-1,517	-1,754	-0,222	-0,162	-0,178	-1,4E-03	-1,0E-03	-1,1E-03	-1,171E-03
19-5-15 12:10	14,02	-1,414	-1,524	-1,76	-0,229	-0,169	-0,184	-1,4E-03	-1,1E-03	-1,2E-03	-1,213E-03
19-5-15 14:10	14,10	-1,416	-1,52	-1,762	-0,231	-0,165	-0,186	-1,4E-03	-1,0E-03	-1,2E-03	-1,213E-03
19-5-15 16:10	14,19	-1,418	-1,525	-1,765	-0,233	-0,17	-0,189	-1,5E-03	-1,1E-03	-1,2E-03	-1,233E-03
20-5-15 11:10	14,98	-1,424	-1,528	-1,772	-0,239	-0,173	-0,196	-1,5E-03	-1,1E-03	-1,2E-03	-1,267E-03
20-5-15 13:10	15,06	-1,423	-1,529	-1,771	-0,238	-0,174	-0,195	-1,5E-03	-1,1E-03	-1,2E-03	-1,265E-03
21-5-15 10:00	15,93	-1,428	-1,535	-1,778	-0,243	-0,18	-0,202	-1,5E-03	-1,1E-03	-1,3E-03	-1,302E-03
21-5-15 12:00	16,01	-1,429	-1,537	-1,779	-0,244	-0,182	-0,203	-1,5E-03	-1,1E-03	-1,3E-03	-1,310E-03
25-5-15 8:50	19,88	-1,449	-1,56	-1,801	-0,264	-0,205	-0,225	-1,7E-03	-1,3E-03	-1,4E-03	-1,446E-03
25-5-15 12:45	20,05	-1,45	-1,561	-1,802	-0,265	-0,206	-0,226	-1,7E-03	-1,3E-03	-1,4E-03	-1,452E-03
26-5-15 10:25	20,95	-1,454	-1,562	-1,803	-0,269	-0,207	-0,227	-1,7E-03	-1,3E-03	-1,4E-03	-1,465E-03
26-5-15 12:25	21,03	-1,453	-1,562	-1,803	-0,268	-0,207	-0,227	-1,7E-03	-1,3E-03	-1,4E-03	-1,463E-03
26-5-15 15:25	21,16	-1,454	-1,564	-1,803	-0,269	-0,209	-0,227	-1,7E-03	-1,3E-03	-1,4E-03	-1,469E-03
27-5-15 11:05	21,98	-1,457	-1,568	-1,806	-0,272	-0,213	-0,23	-1,7E-03	-1,3E-03	-1,4E-03	-1,490E-03
27-5-15 13:05	22,06	-1,458	-1,568	-1,806	-0,273	-0,213	-0,23	-1,7E-03	-1,3E-03	-1,4E-03	-1,492E-03
27-5-15 15:05	22,14	-1,457	-1,569	-1,805	-0,272	-0,214	-0,229	-1,7E-03	-1,3E-03	-1,4E-03	-1,490E-03
28-5-15 10:50	22,97	-1,46	-1,571	-1,81	-0,275	-0,216	-0,234	-1,7E-03	-1,4E-03	-1,5E-03	-1,510E-03
28-5-15 12:50	23,05	-1,461	-1,573	-1,81	-0,276	-0,218	-0,234	-1,7E-03	-1,4E-03	-1,5E-03	-1,517E-03
28-5-15 14:50	23,13	-1,46	-1,573	-1,81	-0,275	-0,218	-0,234	-1,7E-03	-1,4E-03	-1,5E-03	-1,515E-03
29-5-15 11:40	24,00	-1,46	-1,574	-1,811	-0,275	-0,219	-0,235	-1,7E-03	-1,4E-03	-1,5E-03	-1,519E-03
29-5-15 13:45	24,09	-1,461	-1,577	-1,812	-0,276	-0,222	-0,236	-1,7E-03	-1,4E-03	-1,5E-03	-1,529E-03
29-5-15 13:45	24,09	-1,46	-1,576	-1,811	-0,275	-0,221	-0,235	-1,7E-03	-1,4E-03	-1,5E-03	-1,523E-03
3-6-15 10:40	28,96	-1,472	-1,587	-1,822	-0,287	-0,232	-0,246	-1,8E-03	-1,5E-03	-1,5E-03	-1,594E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	-0,251	-0,314	-0,225	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
5-5-15 12:10	0,02	-0,251	-0,314	-0,225	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
5-5-15 12:40	0,04	-0,254	-0,319	-0,23	-0,003	-0,005	-0,005	-1,9E-05	-3,1E-05	-3,1E-05	-2,708E-05
5-5-15 13:10	0,06	-0,253	-0,318	-0,228	-0,002	-0,004	-0,003	-1,3E-05	-2,5E-05	-1,9E-05	-1,875E-05
5-5-15 13:40	0,08	-0,256	-0,321	-0,233	-0,005	-0,007	-0,008	-3,1E-05	-4,4E-05	-5,0E-05	-4,167E-05
5-5-15 14:10	0,10	-0,254	-0,321	-0,232	-0,003	-0,007	-0,007	-1,9E-05	-4,4E-05	-4,4E-05	-3,542E-05
5-5-15 14:40	0,13	-0,26	-0,327	-0,237	-0,009	-0,013	-0,012	-5,6E-05	-8,1E-05	-7,5E-05	-7,083E-05
5-5-15 15:10	0,15	-0,258	-0,327	-0,235	-0,007	-0,013	-0,01	-4,4E-05	-8,1E-05	-6,2E-05	-6,250E-05
5-5-15 15:40	0,17	-0,259	-0,327	-0,233	-0,008	-0,013	-0,008	-5,0E-05	-8,1E-05	-5,0E-05	-6,042E-05
5-5-15 16:10	0,19	-0,256	-0,328	-0,23	-0,005	-0,014	-0,005	-3,1E-05	-8,8E-05	-3,1E-05	-5,000E-05
5-5-15 16:40	0,21	-0,258	-0,328	-0,234	-0,007	-0,014	-0,009	-4,4E-05	-8,8E-05	-5,6E-05	-6,250E-05
6-5-15 10:20	0,94	-0,267	-0,338	-0,24	-0,016	-0,024	-0,015	-1,0E-04	-1,5E-04	-9,4E-05	-1,146E-04
6-5-15 10:50	0,97	-0,268	-0,339	-0,241	-0,017	-0,025	-0,016	-1,1E-04	-1,6E-04	-1,0E-04	-1,208E-04
6-5-15 11:20	0,99	-0,269	-0,342	-0,245	-0,018	-0,028	-0,02	-1,1E-04	-1,8E-04	-1,3E-04	-1,375E-04
6-5-15 11:50	1,01	-0,27	-0,344	-0,246	-0,019	-0,03	-0,021	-1,2E-04	-1,9E-04	-1,3E-04	-1,458E-04
6-5-15 12:20	1,03	-0,269	-0,342	-0,244	-0,018	-0,028	-0,019	-1,1E-04	-1,8E-04	-1,2E-04	-1,354E-04
6-5-15 12:50	1,05	-0,268	-0,345	-0,243	-0,017	-0,031	-0,018	-1,1E-04	-1,9E-04	-1,1E-04	-1,375E-04
6-5-15 13:20	1,07	-0,271	-0,345	-0,245	-0,02	-0,031	-0,02	-1,3E-04	-1,9E-04	-1,3E-04	-1,479E-04
6-5-15 13:50	1,09	-0,268	-0,345	-0,245	-0,017	-0,031	-0,02	-1,1E-04	-1,9E-04	-1,3E-04	-1,417E-04
6-5-15 14:20	1,11	-0,27	-0,346	-0,245	-0,019	-0,032	-0,02	-1,2E-04	-2,0E-04	-1,3E-04	-1,479E-04
6-5-15 14:50	1,13	-0,27	-0,345	-0,245	-0,019	-0,031	-0,02	-1,2E-04	-1,9E-04	-1,3E-04	-1,458E-04
6-5-15 15:20	1,15	-0,271	-0,346	-0,246	-0,02	-0,032	-0,021	-1,3E-04	-2,0E-04	-1,3E-04	-1,521E-04
6-5-15 15:50	1,17	-0,271	-0,347	-0,247	-0,02	-0,033	-0,022	-1,3E-04	-2,1E-04	-1,4E-04	-1,563E-04
6-5-15 16:20	1,19	-0,272	-0,346	-0,247	-0,021	-0,032	-0,022	-1,3E-04	-2,0E-04	-1,4E-04	-1,563E-04
7-5-15 10:15	1,94	-0,283	-0,36	-0,255	-0,032	-0,046	0	-2,0E-04	-2,9E-04	0,0E+00	-1,625E-04
7-5-15 11:15	1,98	-0,284	-0,361	-0,255	-0,033	-0,047	0	-2,1E-04	-2,9E-04	0,0E+00	-1,667E-04
7-5-15 12:15	2,02	-0,284	-0,361	-0,256	-0,033	-0,047	0	-2,1E-04	-2,9E-04	0,0E+00	-1,667E-04
7-5-15 13:15	2,07	-0,285	-0,362	-0,256	-0,034	-0,048	0	-2,1E-04	-3,0E-04	0,0E+00	-1,708E-04
7-5-15 14:15	2,11	-0,286	-0,364	-0,257	-0,035	-0,05	0	-2,2E-04	-3,1E-04	0,0E+00	-1,771E-04
7-5-15 15:15	2,15	-0,287	-0,364	-0,261	-0,036	-0,05	0	-2,3E-04	-3,1E-04	0,0E+00	-1,792E-04
11-5-15 14:45	6,13	-0,341	-0,436	-0,3	-0,09	-0,122	-0,075	-5,6E-04	-7,6E-04	-4,7E-04	-5,979E-04
11-5-15 16:45	6,21	-0,339	-0,434	-0,298	-0,088	-0,12	-0,073	-5,5E-04	-7,5E-04	-4,6E-04	-5,854E-04
12-5-15 10:15	6,94	-0,351	-0,448	-0,307	-0,1	-0,134	-0,082	-6,3E-04	-8,4E-04	-5,1E-04	-6,583E-04
12-5-15 12:15	7,02	-0,351	-0,448	-0,306	-0,1	-0,134	-0,081	-6,3E-04	-8,4E-04	-5,1E-04	-6,563E-04
12-5-15 14:15	7,11	-0,353	-0,45	-0,308	-0,102	-0,136	-0,083	-6,4E-04	-8,5E-04	-5,2E-04	-6,688E-04
12-5-15 16:15	7,19	-0,355	-0,451	-0,309	-0,104	-0,137	-0,084	-6,5E-04	-8,6E-04	-5,3E-04	-6,771E-04

13-5-15 10:00	7,93	-0,366	-0,464	-0,318	-0,115	-0,15	-0,093	-7,2E-04	-9,4E-04	-5,8E-04	-7,458E-04
13-5-15 12:00	8,01	-0,367	-0,466	-0,319	-0,116	-0,152	-0,094	-7,3E-04	-9,5E-04	-5,9E-04	-7,542E-04
13-5-15 14:00	8,10	-0,367	-0,466	-0,32	-0,116	-0,152	-0,095	-7,3E-04	-9,5E-04	-5,9E-04	-7,563E-04
14-5-15 8:45	8,88	-0,376	-0,475	-0,324	-0,125	-0,161	-0,099	-7,8E-04	-1,0E-03	-6,2E-04	-8,021E-04
14-5-15 10:45	8,96	-0,377	-0,475	-0,325	-0,126	-0,161	-0,1	-7,9E-04	-1,0E-03	-6,3E-04	-8,063E-04
14-5-15 12:45	9,05	-0,378	-0,478	-0,327	-0,127	-0,164	-0,102	-7,9E-04	-1,0E-03	-6,4E-04	-8,188E-04
15-5-15 9:00	9,89	-0,388	-0,488	-0,339	-0,137	-0,174	-0,114	-8,6E-04	-1,1E-03	-7,1E-04	-8,854E-04
15-5-15 11:00	9,97	-0,39	-0,49	-0,339	-0,139	-0,176	-0,114	-8,7E-04	-1,1E-03	-7,1E-04	-8,938E-04
15-5-15 13:30	10,08	-0,391	-0,491	-0,339	-0,14	-0,177	-0,114	-8,8E-04	-1,1E-03	-7,1E-04	-8,979E-04
18-5-15 8:50	12,88	-0,419	-0,521	-0,368	-0,168	-0,207	-0,143	-1,1E-03	-1,3E-03	-8,9E-04	-1,079E-03
18-5-15 15:50	13,17	-0,421	-0,522	-0,369	-0,17	-0,208	-0,144	-1,1E-03	-1,3E-03	-9,0E-04	-1,088E-03
19-5-15 12:15	14,02	-0,426	-0,536	-0,371	-0,175	-0,222	-0,146	-1,1E-03	-1,4E-03	-9,1E-04	-1,131E-03
19-5-15 14:10	14,10	-0,428	-0,527	-0,373	-0,177	-0,213	-0,148	-1,1E-03	-1,3E-03	-9,3E-04	-1,121E-03
19-5-15 16:10	14,19	-0,431	-0,529	-0,376	-0,18	-0,215	-0,151	-1,1E-03	-1,3E-03	-9,4E-04	-1,138E-03
20-5-15 11:05	14,98	-0,434	-0,533	-0,38	-0,183	-0,219	-0,155	-1,1E-03	-1,4E-03	-9,7E-04	-1,160E-03
20-5-15 13:05	15,06	-0,435	-0,533	-0,38	-0,184	-0,219	-0,155	-1,2E-03	-1,4E-03	-9,7E-04	-1,163E-03
21-5-15 10:00	15,93	-0,441	-0,534	-0,389	-0,19	-0,22	-0,164	-1,2E-03	-1,4E-03	-1,0E-03	-1,196E-03
21-5-15 12:00	16,01	-0,442	-0,533	-0,389	-0,191	-0,219	-0,164	-1,2E-03	-1,4E-03	-1,0E-03	-1,196E-03
21-5-15 14:00	16,10	-0,442	-0,534	-0,39	-0,191	-0,22	-0,165	-1,2E-03	-1,4E-03	-1,0E-03	-1,200E-03
25-5-15 8:50	19,88	-0,462	-0,559	-0,412	-0,211	-0,245	-0,187	-1,3E-03	-1,5E-03	-1,2E-03	-1,340E-03
25-5-15 12:40	20,04	-0,463	-0,559	-0,414	-0,212	-0,245	-0,189	-1,3E-03	-1,5E-03	-1,2E-03	-1,346E-03
26-5-15 10:30	20,95	-0,467	-0,562	-0,419	-0,216	-0,248	-0,194	-1,4E-03	-1,6E-03	-1,2E-03	-1,371E-03
26-5-15 12:35	21,04	-0,468	-0,563	-0,421	-0,217	-0,249	-0,196	-1,4E-03	-1,6E-03	-1,2E-03	-1,379E-03
26-5-15 15:15	21,15	-0,47	-0,565	-0,423	-0,219	-0,251	-0,198	-1,4E-03	-1,6E-03	-1,2E-03	-1,392E-03
27-5-15 11:00	21,97	-0,473	-0,569	-0,425	-0,222	-0,255	-0,2	-1,4E-03	-1,6E-03	-1,3E-03	-1,410E-03
27-5-15 13:00	22,06	-0,473	-0,57	-0,426	-0,222	-0,256	-0,201	-1,4E-03	-1,6E-03	-1,3E-03	-1,415E-03
27-5-15 15:00	22,14	-0,474	-0,57	-0,426	-0,223	-0,256	-0,201	-1,4E-03	-1,6E-03	-1,3E-03	-1,417E-03
28-5-15 10:55	22,97	-0,476	-0,572	-0,43	-0,225	-0,258	-0,205	-1,4E-03	-1,6E-03	-1,3E-03	-1,433E-03
28-5-15 12:55	23,05	-0,477	-0,572	-0,431	-0,226	-0,258	-0,206	-1,4E-03	-1,6E-03	-1,3E-03	-1,438E-03
28-5-15 14:55	23,14	-0,476	-0,571	-0,431	-0,225	-0,257	-0,206	-1,4E-03	-1,6E-03	-1,3E-03	-1,433E-03
29-5-15 11:45	24,00	-0,479	-0,573	-0,436	-0,228	-0,259	-0,211	-1,4E-03	-1,6E-03	-1,3E-03	-1,454E-03
29-5-15 13:50	24,09	-0,479	-0,572	-0,435	-0,228	-0,258	-0,21	-1,4E-03	-1,6E-03	-1,3E-03	-1,450E-03
29-5-15 15:50	24,17	-0,48	-0,573	-0,437	-0,229	-0,259	-0,212	-1,4E-03	-1,6E-03	-1,3E-03	-1,458E-03
3-6-15 10:35	28,95	-0,493	-0,583	-0,449	-0,242	-0,269	-0,224	-1,5E-03	-1,7E-03	-1,4E-03	-1,531E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:20	0,00	-0,742	-0,414	-0,801	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
19-5-15 12:50	0,02	-0,748	-0,421	-0,802	-0,006	-0,007	-0,001	-3,8E-05	-4,4E-05	-6,3E-06	-2,917E-05
19-5-15 13:25	0,05	-0,746	-0,424	-0,804	-0,004	-0,01	-0,003	-2,5E-05	-6,3E-05	-1,9E-05	-3,542E-05
19-5-15 13:50	0,06	-0,749	-0,428	-0,806	-0,007	-0,014	-0,005	-4,4E-05	-8,8E-05	-3,1E-05	-5,417E-05
19-5-15 14:30	0,09	-0,752	-0,432	-0,807	-0,01	-0,018	-0,006	-6,3E-05	-1,1E-04	-3,8E-05	-7,083E-05
19-5-15 14:50	0,10	-0,752	-0,434	-0,808	-0,01	-0,02	-0,007	-6,3E-05	-1,3E-04	-4,4E-05	-7,708E-05
19-5-15 15:20	0,13	-0,75	-0,433	-0,808	-0,008	-0,019	-0,007	-5,0E-05	-1,2E-04	-4,4E-05	-7,083E-05
19-5-15 15:50	0,15	-0,749	-0,432	-0,807	-0,007	-0,018	-0,006	-4,4E-05	-1,1E-04	-3,8E-05	-6,458E-05
19-5-15 16:20	0,17	-0,751	-0,433	-0,81	-0,009	-0,019	-0,009	-5,6E-05	-1,2E-04	-5,6E-05	-7,708E-05
20-5-15 11:20	0,96	-0,757	-0,442	-0,815	-0,015	-0,028	-0,014	-9,4E-05	-1,8E-04	-8,7E-05	-1,188E-04
20-5-15 11:55	0,98	-0,755	-0,443	-0,815	-0,013	-0,029	-0,014	-8,1E-05	-1,8E-04	-8,7E-05	-1,167E-04
20-5-15 12:20	1,00	-0,756	-0,443	-0,815	-0,014	-0,029	-0,014	-8,8E-05	-1,8E-04	-8,7E-05	-1,188E-04
20-5-15 12:45	1,02	-0,757	-0,444	-0,814	-0,015	-0,03	-0,013	-9,4E-05	-1,9E-04	-8,1E-05	-1,208E-04
20-5-15 13:15	1,04	-0,756	-0,444	-0,814	-0,014	-0,03	-0,013	-8,8E-05	-1,9E-04	-8,1E-05	-1,188E-04
20-5-15 14:15	1,08	-0,758	-0,445	-0,815	-0,016	-0,031	-0,014	-1,0E-04	-1,9E-04	-8,7E-05	-1,271E-04
20-5-15 14:45	1,10	-0,758	-0,445	-0,815	-0,016	-0,031	-0,014	-1,0E-04	-1,9E-04	-8,7E-05	-1,271E-04
20-5-15 15:15	1,12	-0,758	-0,445	-0,817	-0,016	-0,031	-0,016	-1,0E-04	-1,9E-04	-1,0E-04	-1,313E-04
21-5-15 10:15	1,91	-0,767	-0,461	-0,829	-0,025	-0,047	-0,028	-1,6E-04	-2,9E-04	-1,7E-04	-2,083E-04
21-5-15 11:15	1,95	-0,769	-0,462	-0,831	-0,027	-0,048	-0,03	-1,7E-04	-3,0E-04	-1,9E-04	-2,188E-04
21-5-15 12:15	2,00	-0,77	-0,464	-0,83	-0,028	-0,05	-0,029	-1,8E-04	-3,1E-04	-1,8E-04	-2,229E-04
21-5-15 13:15	2,04	-0,771	-0,465	-0,831	-0,029	-0,051	-0,03	-1,8E-04	-3,2E-04	-1,9E-04	-2,292E-04
25-5-15 9:10	5,87	-0,815	-0,511	-0,877	-0,073	-0,097	-0,076	-4,6E-04	-6,1E-04	-4,8E-04	-5,125E-04
25-5-15 13:05	6,03	-0,817	-0,511	-0,876	-0,075	-0,097	-0,075	-4,7E-04	-6,1E-04	-4,7E-04	-5,146E-04
26-5-15 11:35	6,97	-0,825	-0,52	-0,886	-0,083	-0,106	-0,085	-5,2E-04	-6,6E-04	-5,3E-04	-5,708E-04
26-5-15 14:20	7,08	-0,828	-0,524	-0,891	-0,086	-0,11	-0,09	-5,4E-04	-6,9E-04	-5,6E-04	-5,958E-04
26-5-15 16:05	7,16	-0,828	-0,525	-0,893	-0,086	-0,111	-0,092	-5,4E-04	-6,9E-04	-5,8E-04	-6,021E-04
27-5-15 10:30	7,92	-0,835	-0,533	-0,899	-0,093	-0,119	-0,098	-5,8E-04	-7,4E-04	-6,1E-04	-6,458E-04
27-5-15 12:30	8,01	-0,836	-0,534	-0,898	-0,094	-0,12	-0,097	-5,9E-04	-7,5E-04	-6,1E-04	-6,479E-04
27-5-15 15:30	8,13	-0,837	-0,535	-0,9	-0,095	-0,121	-0,099	-5,9E-04	-7,6E-04	-6,2E-04	-6,563E-04
28-5-15 10:00	8,90	-0,843	-0,54	-0,905	-0,101	-0,126	-0,104	-6,3E-04	-7,9E-04	-6,5E-04	-6,896E-04
28-5-15 12:00	8,99	-0,844	-0,539	-0,904	-0,102	-0,125	-0,103	-6,4E-04	-7,8E-04	-6,4E-04	-6,875E-04
28-5-15 14:00	9,07	-0,846	-0,542	-0,908	-0,104	-0,128	-0,107	-6,5E-04	-8,0E-04	-6,7E-04	-7,063E-04
29-5-15 11:20	9,96	-0,854	-0,55	-0,918	-0,112	-0,136	-0,117	-7,0E-04	-8,5E-04	-7,3E-04	-7,604E-04
29-5-15 13:30	10,05	-0,856	-0,552	-0,92	-0,114	-0,138	-0,119	-7,1E-04	-8,6E-04	-7,4E-04	-7,729E-04
29-5-15 15:30	10,13	-0,856	-0,551	-0,92	-0,114	-0,137	-0,119	-7,1E-04	-8,6E-04	-7,4E-04	-7,708E-04
3-6-15 10:15	14,91	-0,888	-0,588	-0,955	-0,146	-0,174	-0,154	-9,1E-04	-1,1E-03	-9,6E-04	-9,875E-04
3-6-15 12:25	15,00	-0,888	-0,588	-0,956	-0,146	-0,174	-0,155	-9,1E-04	-1,1E-03	-9,7E-04	-9,896E-04

3-6-15 14:20	15,08	-0,888	-0,589	-0,956	-0,146	-0,175	-0,155	-9,1E-04	-1,1E-03	-9,7E-04	-9,917E-04
4-6-15 10:30	15,92	-0,895	-0,593	-0,962	-0,153	-0,179	-0,161	-9,6E-04	-1,1E-03	-1,0E-03	-1,027E-03
4-6-15 12:30	16,01	-0,896	-0,594	-0,962	-0,154	-0,18	-0,161	-9,6E-04	-1,1E-03	-1,0E-03	-1,031E-03
4-6-15 15:30	16,13	-0,896	-0,594	-0,963	-0,154	-0,18	-0,162	-9,6E-04	-1,1E-03	-1,0E-03	-1,033E-03
5-6-15 10:45	16,93	-0,898	-0,597	-0,967	-0,156	-0,183	-0,166	-9,8E-04	-1,1E-03	-1,0E-03	-1,052E-03
5-6-15 12:25	17,00	-0,9	-0,6	-0,969	-0,158	-0,186	-0,168	-9,9E-04	-1,2E-03	-1,1E-03	-1,067E-03
8-6-15 8:10	19,83	-0,914	-0,613	-0,982	-0,172	-0,199	-0,181	-1,1E-03	-1,2E-03	-1,1E-03	-1,150E-03
8-6-15 14:55	20,11	-0,917	-0,617	-0,987	-0,175	-0,203	-0,186	-1,1E-03	-1,3E-03	-1,2E-03	-1,175E-03
9-6-15 8:20	20,83	-0,918	-0,619	-0,987	-0,176	-0,205	-0,186	-1,1E-03	-1,3E-03	-1,2E-03	-1,181E-03
9-6-15 15:20	21,13	-0,92	-0,619	-0,987	-0,178	-0,205	-0,186	-1,1E-03	-1,3E-03	-1,2E-03	-1,185E-03
10-6-15 11:15	21,95	-0,926	-0,626	-0,995	-0,184	-0,212	-0,194	-1,2E-03	-1,3E-03	-1,2E-03	-1,229E-03
10-6-15 14:45	22,10	-0,926	-0,626	-0,996	-0,184	-0,212	-0,195	-1,2E-03	-1,3E-03	-1,2E-03	-1,231E-03
11-6-15 15:30	23,13	-0,927	-0,627	-0,996	-0,185	-0,213	-0,195	-1,2E-03	-1,3E-03	-1,2E-03	-1,235E-03
12-6-15 10:05	23,91	-0,927	-0,627	-0,996	-0,185	-0,213	-0,195	-1,2E-03	-1,3E-03	-1,2E-03	-1,235E-03
12-6-15 15:20	24,13	-0,928	-0,629	-0,997	-0,186	-0,215	-0,196	-1,2E-03	-1,3E-03	-1,2E-03	-1,244E-03
15-6-15 10:50	26,94	-0,935	-0,637	-1,006	-0,193	-0,223	-0,205	-1,2E-03	-1,4E-03	-1,3E-03	-1,294E-03
16-6-15 15:00	28,11	-0,941	-0,642	-1,012	-0,199	-0,228	-0,211	-1,2E-03	-1,4E-03	-1,3E-03	-1,329E-03

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AUTO

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:25	0,00	-0,293	-0,306	-0,734	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
19-5-15 12:55	0,02	-0,299	-0,313	-0,739	-0,006	-0,007	-0,005	-3,8E-05	-4,4E-05	-3,1E-05	-3,750E-05
19-5-15 13:25	0,04	-0,303	-0,316	-0,749	-0,01	-0,01	-0,015	-6,3E-05	-6,3E-05	-9,4E-05	-7,292E-05
19-5-15 13:55	0,06	-0,299	-0,314	-0,747	-0,006	-0,008	-0,013	-3,8E-05	-5,0E-05	-8,1E-05	-5,625E-05
19-5-15 14:30	0,09	-0,304	-0,318	-0,751	-0,011	-0,012	-0,017	-6,9E-05	-7,5E-05	-1,1E-04	-8,333E-05
19-5-15 14:55	0,10	-0,306	-0,317	-0,751	-0,013	-0,011	-0,017	-8,1E-05	-6,9E-05	-1,1E-04	-8,542E-05
19-5-15 15:25	0,13	-0,306	-0,318	-0,752	-0,013	-0,012	-0,018	-8,1E-05	-7,5E-05	-1,1E-04	-8,958E-05
19-5-15 15:55	0,15	-0,306	-0,319	-0,752	-0,013	-0,013	-0,018	-8,1E-05	-8,1E-05	-1,1E-04	-9,167E-05
19-5-15 16:25	0,17	-0,308	-0,321	-0,754	-0,015	-0,015	-0,02	-9,4E-05	-9,4E-05	-1,3E-04	-1,042E-04
20-5-15 11:30	0,96	-0,317	-0,33	-0,76	-0,024	-0,024	-0,026	-1,5E-04	-1,5E-04	-1,6E-04	-1,542E-04
20-5-15 12:00	0,98	-0,32	-0,331	-0,765	-0,027	-0,025	-0,031	-1,7E-04	-1,6E-04	-1,9E-04	-1,729E-04
20-5-15 12:25	1,00	-0,319	-0,333	-0,765	-0,026	-0,027	-0,031	-1,6E-04	-1,7E-04	-1,9E-04	-1,750E-04
20-5-15 12:55	1,02	-0,319	-0,335	-0,766	-0,026	-0,029	-0,032	-1,6E-04	-1,8E-04	-2,0E-04	-1,813E-04
20-5-15 13:25	1,04	-0,319	-0,336	-0,766	-0,026	-0,03	-0,032	-1,6E-04	-1,9E-04	-2,0E-04	-1,833E-04
20-5-15 14:25	1,08	-0,32	-0,337	-0,765	-0,027	-0,031	-0,031	-1,7E-04	-1,9E-04	-1,9E-04	-1,854E-04
20-5-15 14:55	1,10	-0,319	-0,336	-0,764	-0,026	-0,03	-0,03	-1,6E-04	-1,9E-04	-1,9E-04	-1,792E-04
20-5-15 15:25	1,13	-0,32	-0,334	-0,763	-0,027	-0,028	-0,029	-1,7E-04	-1,8E-04	-1,8E-04	-1,750E-04
21-5-15 10:15	1,91	-0,329	-0,342	-0,772	-0,036	-0,036	-0,038	-2,3E-04	-2,3E-04	-2,4E-04	-2,292E-04

21-5-15 11:15	1,95	-0,331	-0,342	-0,771	-0,038	-0,036	-0,037	-2,4E-04	-2,3E-04	-2,3E-04	-2,313E-04
21-5-15 12:15	1,99	-0,33	-0,344	-0,773	-0,037	-0,038	-0,039	-2,3E-04	-2,4E-04	-2,4E-04	-2,375E-04
25-5-15 9:10	5,86	-0,393	-0,422	-0,827	-0,1	-0,116	-0,093	-6,3E-04	-7,3E-04	-5,8E-04	-6,438E-04
25-5-15 13:00	6,02	-0,396	-0,426	-0,83	-0,103	-0,12	-0,096	-6,4E-04	-7,5E-04	-6,0E-04	-6,646E-04
25-5-15 14:00	6,07	-0,394	-0,425	-0,829	-0,101	-0,119	-0,095	-6,3E-04	-7,4E-04	-5,9E-04	-6,563E-04
26-5-15 11:25	6,96	-0,412	-0,438	-0,84	-0,119	-0,132	-0,106	-7,4E-04	-8,3E-04	-6,6E-04	-7,438E-04
26-5-15 14:15	7,08	-0,416	-0,445	-0,846	-0,123	-0,139	-0,112	-7,7E-04	-8,7E-04	-7,0E-04	-7,792E-04
26-5-15 16:05	7,15	-0,412	-0,444	-0,844	-0,119	-0,138	-0,11	-7,4E-04	-8,6E-04	-6,9E-04	-7,646E-04
27-5-15 10:40	7,93	-0,424	-0,456	-0,856	-0,131	-0,15	-0,122	-8,2E-04	-9,4E-04	-7,6E-04	-8,396E-04
27-5-15 12:40	8,01	-0,425	-0,462	-0,859	-0,132	-0,156	-0,125	-8,3E-04	-9,8E-04	-7,8E-04	-8,604E-04
27-5-15 14:40	8,09	-0,426	-0,465	-0,86	-0,133	-0,159	-0,126	-8,3E-04	-9,9E-04	-7,9E-04	-8,708E-04
28-5-15 10:40	8,93	-0,432	-0,475	-0,868	-0,139	-0,169	-0,134	-8,7E-04	-1,1E-03	-8,4E-04	-9,208E-04
28-5-15 12:40	9,01	-0,432	-0,476	-0,868	-0,139	-0,17	-0,134	-8,7E-04	-1,1E-03	-8,4E-04	-9,229E-04
28-5-15 14:40	9,09	-0,434	-0,478	-0,869	-0,141	-0,172	-0,135	-8,8E-04	-1,1E-03	-8,4E-04	-9,333E-04
29-5-15 11:30	9,96	-0,442	-0,492	-0,881	-0,149	-0,186	-0,147	-9,3E-04	-1,2E-03	-9,2E-04	-1,004E-03
29-5-15 13:40	10,05	-0,443	-0,491	-0,88	-0,15	-0,185	-0,146	-9,4E-04	-1,2E-03	-9,1E-04	-1,002E-03
29-5-15 15:40	10,14	-0,445	-0,495	-0,882	-0,152	-0,189	-0,148	-9,5E-04	-1,2E-03	-9,3E-04	-1,019E-03
3-6-15 10:25	14,92	-0,485	-0,54	-0,915	-0,192	-0,234	-0,181	-1,2E-03	-1,5E-03	-1,1E-03	-1,265E-03
3-6-15 12:35	15,01	-0,485	-0,539	-0,916	-0,192	-0,233	-0,182	-1,2E-03	-1,5E-03	-1,1E-03	-1,265E-03
3-6-15 14:25	15,08	-0,486	-0,539	-0,916	-0,193	-0,233	-0,182	-1,2E-03	-1,5E-03	-1,1E-03	-1,267E-03
4-6-15 10:40	15,93	-0,49	-0,545	-0,92	-0,197	-0,239	-0,186	-1,2E-03	-1,5E-03	-1,2E-03	-1,296E-03
4-6-15 12:40	16,01	-0,49	-0,546	-0,921	-0,197	-0,24	-0,187	-1,2E-03	-1,5E-03	-1,2E-03	-1,300E-03
4-6-15 15:40	16,14	-0,491	-0,546	-0,921	-0,198	-0,24	-0,187	-1,2E-03	-1,5E-03	-1,2E-03	-1,302E-03
5-6-15 10:55	16,94	-0,496	-0,549	-0,923	-0,203	-0,243	-0,189	-1,3E-03	-1,5E-03	-1,2E-03	-1,323E-03
5-6-15 14:30	17,09	-0,496	-0,549	-0,925	-0,203	-0,243	-0,191	-1,3E-03	-1,5E-03	-1,2E-03	-1,327E-03
8-6-15 8:20	19,83	-0,51	-0,562	-0,938	-0,217	-0,256	-0,204	-1,4E-03	-1,6E-03	-1,3E-03	-1,410E-03
8-6-15 15:05	20,11	-0,513	-0,564	-0,94	-0,22	-0,258	-0,206	-1,4E-03	-1,6E-03	-1,3E-03	-1,425E-03
9-6-15 8:30	20,84	-0,514	-0,566	-0,942	-0,221	-0,26	-0,208	-1,4E-03	-1,6E-03	-1,3E-03	-1,435E-03
9-6-15 15:30	21,13	-0,515	-0,568	-0,943	-0,222	-0,262	-0,209	-1,4E-03	-1,6E-03	-1,3E-03	-1,444E-03
10-6-15 11:25	21,96	-0,516	-0,571	-0,945	-0,223	-0,265	-0,211	-1,4E-03	-1,7E-03	-1,3E-03	-1,456E-03
10-6-15 14:55	22,10	-0,517	-0,571	-0,945	-0,224	-0,265	-0,211	-1,4E-03	-1,7E-03	-1,3E-03	-1,458E-03
11-6-15 15:40	23,14	-0,517	-0,572	-0,946	-0,224	-0,266	-0,212	-1,4E-03	-1,7E-03	-1,3E-03	-1,463E-03
12-6-15 10:15	23,91	-0,519	-0,571	-0,945	-0,226	-0,265	-0,211	-1,4E-03	-1,7E-03	-1,3E-03	-1,463E-03
12-6-15 15:30	24,13	-0,519	-0,57	-0,946	-0,226	-0,264	-0,212	-1,4E-03	-1,7E-03	-1,3E-03	-1,463E-03
15-6-15 11:00	26,94	-0,527	-0,578	-0,952	-0,234	-0,272	-0,218	-1,5E-03	-1,7E-03	-1,4E-03	-1,508E-03
16-6-15 15:05	28,11	-0,529	-0,581	-0,959	-0,236	-0,275	-0,225	-1,5E-03	-1,7E-03	-1,4E-03	-1,533E-03

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AUTO

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:25	0,00	0,014	-0,196	-1,746	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
9-6-15 12:05	0,03	0,008	-0,205	-1,755	-0,006	-0,009	-0,009	-3,8E-05	-5,6E-05	-5,6E-05	-5,000E-05
9-6-15 13:20	0,08	0,003	-0,215	-1,766	-0,011	-0,019	-0,02	-6,9E-05	-1,2E-04	-1,3E-04	-1,042E-04
9-6-15 13:55	0,10	-0,007	-0,219	-1,768	-0,021	-0,023	-0,022	-1,3E-04	-1,4E-04	-1,4E-04	-1,375E-04
9-6-15 14:25	0,13	-0,014	-0,221	-1,768	-0,028	-0,025	-0,022	-1,8E-04	-1,6E-04	-1,4E-04	-1,563E-04
9-6-15 15:05	0,15	-0,016	-0,222	-1,771	-0,03	-0,026	-0,025	-1,9E-04	-1,6E-04	-1,6E-04	-1,688E-04
9-6-15 15:40	0,18	-0,018	-0,225	-1,774	-0,032	-0,029	-0,028	-2,0E-04	-1,8E-04	-1,8E-04	-1,854E-04
10-6-15 10:55	0,98	-0,065	-0,272	-1,812	-0,079	-0,076	-0,066	-4,9E-04	-4,8E-04	-4,1E-04	-4,604E-04
10-6-15 11:35	1,01	-0,065	-0,275	-1,813	-0,079	-0,079	-0,067	-4,9E-04	-4,9E-04	-4,2E-04	-4,688E-04
10-6-15 12:15	1,03	-0,066	-0,276	-1,813	-0,08	-0,08	-0,067	-5,0E-04	-5,0E-04	-4,2E-04	-4,729E-04
10-6-15 12:55	1,06	-0,068	-0,277	-1,814	-0,082	-0,081	-0,068	-5,1E-04	-5,1E-04	-4,3E-04	-4,813E-04
10-6-15 13:45	1,10	-0,07	-0,277	-1,814	-0,084	-0,081	-0,068	-5,3E-04	-5,1E-04	-4,3E-04	-4,854E-04
10-6-15 14:25	1,13	-0,071	-0,278	-1,814	-0,085	-0,082	-0,068	-5,3E-04	-5,1E-04	-4,3E-04	-4,896E-04
10-6-15 15:10	1,16	-0,072	-0,279	-1,815	-0,086	-0,083	-0,069	-5,4E-04	-5,2E-04	-4,3E-04	-4,958E-04
11-6-15 15:10	2,16	-0,118	-0,324	-1,845	-0,132	-0,128	-0,099	-8,3E-04	-8,0E-04	-6,2E-04	-7,479E-04
11-6-15 15:55	2,19	-0,119	-0,324	-1,845	-0,133	-0,128	-0,099	-8,3E-04	-8,0E-04	-6,2E-04	-7,500E-04
12-6-15 9:50	2,93	-0,149	-0,357	-1,868	-0,163	-0,161	-0,122	-1,0E-03	-1,0E-03	-7,6E-04	-9,292E-04
12-6-15 10:40	2,97	-0,152	-0,359	-1,869	-0,166	-0,163	-0,123	-1,0E-03	-1,0E-03	-7,7E-04	-9,417E-04
12-6-15 13:50	3,10	-0,155	-0,363	-1,871	-0,169	-0,167	-0,125	-1,1E-03	-1,0E-03	-7,8E-04	-9,604E-04
12-6-15 15:10	3,16	-0,158	-0,365	-1,875	-0,172	-0,169	-0,129	-1,1E-03	-1,1E-03	-8,1E-04	-9,792E-04
15-6-15 10:35	5,97	-0,241	-0,448	-1,941	-0,255	-0,252	-0,195	-1,6E-03	-1,6E-03	-1,2E-03	-1,463E-03
15-6-15 13:05	6,07	-0,246	-0,453	-1,946	-0,26	-0,257	-0,2	-1,6E-03	-1,6E-03	-1,3E-03	-1,494E-03
15-6-15 15:45	6,18	-0,247	-0,454	-1,946	-0,261	-0,258	-0,2	-1,6E-03	-1,6E-03	-1,3E-03	-1,498E-03
16-6-15 9:45	6,93	-0,262	-0,473	-1,962	-0,276	-0,277	-0,216	-1,7E-03	-1,7E-03	-1,4E-03	-1,602E-03
16-6-15 15:20	7,16	-0,264	-0,472	-1,965	-0,278	-0,276	-0,219	-1,7E-03	-1,7E-03	-1,4E-03	-1,610E-03
17-6-15 9:55	7,94	-0,275	-0,482	-1,974	-0,289	-0,286	-0,228	-1,8E-03	-1,8E-03	-1,4E-03	-1,673E-03
17-6-15 14:15	8,12	-0,275	-0,483	-1,976	-0,289	-0,287	-0,23	-1,8E-03	-1,8E-03	-1,4E-03	-1,679E-03
22-6-15 12:20	13,04	-0,308	-0,514	-2,009	-0,322	-0,318	-0,263	-2,0E-03	-2,0E-03	-1,6E-03	-1,881E-03
23-6-15 10:10	13,95	-0,311	-0,518	-2,012	-0,325	-0,322	-0,266	-2,0E-03	-2,0E-03	-1,7E-03	-1,902E-03
23-6-15 15:45	14,18	-0,312	-0,517	-2,013	-0,326	-0,321	-0,267	-2,0E-03	-2,0E-03	-1,7E-03	-1,904E-03
24-6-15 10:25	14,96	-0,315	-0,521	-2,017	-0,329	-0,325	-0,271	-2,1E-03	-2,0E-03	-1,7E-03	-1,927E-03
24-6-15 15:40	15,18	-0,317	-0,523	-2,019	-0,331	-0,327	-0,273	-2,1E-03	-2,0E-03	-1,7E-03	-1,940E-03
25-6-15 12:10	16,03	-0,314	-0,518	-2,013	-0,328	-0,322	-0,267	-2,1E-03	-2,0E-03	-1,7E-03	-1,910E-03
26-6-15 10:15	16,95	-0,307	-0,512	-2,01	-0,321	-0,316	-0,264	-2,0E-03	-2,0E-03	-1,7E-03	-1,877E-03
26-6-15 15:25	17,17	-0,307	-0,514	-2,01	-0,321	-0,318	-0,264	-2,0E-03	-2,0E-03	-1,7E-03	-1,881E-03
29-6-15 9:40	19,93	-0,302	-0,507	-2,006	-0,316	-0,311	-0,26	-2,0E-03	-1,9E-03	-1,6E-03	-1,848E-03
29-6-15 14:50	20,14	-0,302	-0,508	-2,008	-0,316	-0,312	-0,262	-2,0E-03	-2,0E-03	-1,6E-03	-1,854E-03

30-6-15 10:25	20,96	-0,302	-0,506	-2,009	-0,316	-0,31	-0,263	-2,0E-03	-1,9E-03	-1,6E-03	-1,852E-03
30-6-15 15:00	21,15	-0,303	-0,508	-2,009	-0,317	-0,312	-0,263	-2,0E-03	-2,0E-03	-1,6E-03	-1,858E-03
1-7-15 9:55	21,94	-0,303	-0,509	-2,009	-0,317	-0,313	-0,263	-2,0E-03	-2,0E-03	-1,6E-03	-1,860E-03
1-7-15 13:55	22,10	-0,303	-0,508	-2,009	-0,317	-0,312	-0,263	-2,0E-03	-2,0E-03	-1,6E-03	-1,858E-03
2-7-15 9:55	22,94	-0,301	-0,507	-2,007	-0,315	-0,311	-0,261	-2,0E-03	-1,9E-03	-1,6E-03	-1,848E-03
2-7-15 15:15	23,16	-0,301	-0,507	-2,006	-0,315	-0,311	-0,26	-2,0E-03	-1,9E-03	-1,6E-03	-1,846E-03
3-7-15 8:40	23,89	-0,3	-0,506	-2,008	-0,314	-0,31	-0,262	-2,0E-03	-1,9E-03	-1,6E-03	-1,846E-03
6-7-15 9:45	26,93	-0,297	-0,502	-2,006	-0,311	-0,306	-0,26	-1,9E-03	-1,9E-03	-1,6E-03	-1,827E-03
6-7-15 15:35	27,17	-0,296	-0,501	-2,004	-0,31	-0,305	-0,258	-1,9E-03	-1,9E-03	-1,6E-03	-1,819E-03
7-7-15 11:00	27,98	-0,294	-0,497	-2,002	-0,308	-0,301	-0,256	-1,9E-03	-1,9E-03	-1,6E-03	-1,802E-03
7-7-15 15:30	28,17	-0,295	-0,499	-2,002	-0,309	-0,303	-0,256	-1,9E-03	-1,9E-03	-1,6E-03	-1,808E-03

SIS+EUC	AUTO
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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:45	0,00	0,28	-0,793	-0,677	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
26-5-15 12:15	0,02	0,278	-0,79	-0,679	-0,002	0	-0,002	-1,3E-05	0,0E+00	-1,3E-05	-8,333E-06
26-5-15 12:45	0,04	0,277	-0,789	-0,681	-0,003	0	-0,004	-1,9E-05	0,0E+00	-2,5E-05	-1,458E-05
26-5-15 13:55	0,09	0,277	-0,793	-0,68	-0,003	0	-0,003	-1,9E-05	0,0E+00	-1,9E-05	-1,250E-05
26-5-15 14:25	0,11	0,276	-0,792	-0,681	-0,004	0	-0,004	-2,5E-05	0,0E+00	-2,5E-05	-1,667E-05
26-5-15 14:55	0,13	0,278	-0,791	-0,682	-0,002	0	-0,005	-1,3E-05	0,0E+00	-3,1E-05	-1,458E-05
26-5-15 15:25	0,15	0,277	-0,795	-0,682	-0,003	-0,002	-0,005	-1,9E-05	-1,3E-05	-3,1E-05	-2,083E-05
26-5-15 15:55	0,17	0,276	-0,793	-0,682	-0,004	0	-0,005	-2,5E-05	0,0E+00	-3,1E-05	-1,875E-05
26-5-15 16:25	0,19	0,273	-0,796	-0,684	-0,007	-0,003	-0,007	-4,4E-05	-1,9E-05	-4,4E-05	-3,542E-05
27-5-15 10:00	0,93	0,267	-0,799	-0,69	-0,013	-0,006	-0,013	-8,1E-05	-3,8E-05	-8,1E-05	-6,667E-05
27-5-15 10:30	0,95	0,269	-0,797	-0,689	-0,011	-0,004	-0,012	-6,9E-05	-2,5E-05	-7,5E-05	-5,625E-05
27-5-15 11:00	0,97	0,269	-0,798	-0,691	-0,011	-0,005	-0,014	-6,9E-05	-3,1E-05	-8,7E-05	-6,250E-05
27-5-15 11:30	0,99	0,268	-0,799	-0,692	-0,012	-0,006	-0,015	-7,5E-05	-3,8E-05	-9,4E-05	-6,875E-05
27-5-15 12:00	1,01	0,27	-0,798	-0,691	-0,01	-0,005	-0,014	-6,3E-05	-3,1E-05	-8,7E-05	-6,042E-05
27-5-15 12:30	1,03	0,268	-0,797	-0,69	-0,012	-0,004	-0,013	-7,5E-05	-2,5E-05	-8,1E-05	-6,042E-05
27-5-15 13:00	1,05	0,267	-0,798	-0,691	-0,013	-0,005	-0,014	-8,1E-05	-3,1E-05	-8,7E-05	-6,667E-05
27-5-15 13:30	1,07	0,263	-0,799	-0,691	-0,017	-0,006	-0,014	-1,1E-04	-3,8E-05	-8,7E-05	-7,708E-05
27-5-15 14:00	1,09	0,261	-0,8	-0,692	-0,019	-0,007	-0,015	-1,2E-04	-4,4E-05	-9,4E-05	-8,542E-05
27-5-15 14:30	1,11	0,262	-0,799	-0,692	-0,018	-0,006	-0,015	-1,1E-04	-3,8E-05	-9,4E-05	-8,125E-05
27-5-15 15:00	1,14	0,262	-0,799	-0,69	-0,018	-0,006	-0,013	-1,1E-04	-3,8E-05	-8,1E-05	-7,708E-05
28-5-15 10:20	1,94	0,258	-0,805	-0,695	-0,022	-0,012	-0,018	-1,4E-04	-7,5E-05	-1,1E-04	-1,083E-04
28-5-15 11:20	1,98	0,257	-0,804	-0,696	-0,023	-0,011	-0,019	-1,4E-04	-6,9E-05	-1,2E-04	-1,104E-04
28-5-15 12:20	2,02	0,258	-0,804	-0,696	-0,022	-0,011	-0,019	-1,4E-04	-6,9E-05	-1,2E-04	-1,083E-04
28-5-15 13:20	2,07	0,26	-0,804	-0,695	-0,02	-0,011	-0,018	-1,3E-04	-6,9E-05	-1,1E-04	-1,021E-04

28-5-15 14:20	2,11	0,26	-0,803	-0,695	-0,02	-0,01	-0,018	-1,3E-04	-6,3E-05	-1,1E-04	-1,000E-04
28-5-15 15:20	2,15	0,26	-0,805	-0,696	-0,02	-0,012	-0,019	-1,3E-04	-7,5E-05	-1,2E-04	-1,063E-04
29-5-15 11:10	2,98	0,252	-0,808	-0,703	-0,028	-0,015	-0,026	-1,8E-04	-9,4E-05	-1,6E-04	-1,438E-04
29-5-15 13:20	3,07	0,25	-0,809	-0,704	-0,03	-0,016	-0,027	-1,9E-04	-1,0E-04	-1,7E-04	-1,521E-04
29-5-15 15:20	3,15	0,251	-0,809	-0,703	-0,029	-0,016	-0,026	-1,8E-04	-1,0E-04	-1,6E-04	-1,479E-04
3-6-15 10:05	7,93	0,204	-0,842	-0,74	-0,076	-0,049	-0,063	-4,8E-04	-3,1E-04	-3,9E-04	-3,917E-04
3-6-15 12:15	8,02	0,203	-0,843	-0,741	-0,077	-0,05	-0,064	-4,8E-04	-3,1E-04	-4,0E-04	-3,979E-04
3-6-15 14:10	8,10	0,199	-0,845	-0,741	-0,081	-0,052	-0,064	-5,1E-04	-3,3E-04	-4,0E-04	-4,104E-04
4-6-15 10:20	8,94	0,193	-0,85	-0,747	-0,087	-0,057	-0,07	-5,4E-04	-3,6E-04	-4,4E-04	-4,458E-04
4-6-15 12:20	9,02	0,191	-0,851	-0,748	-0,089	-0,058	-0,071	-5,6E-04	-3,6E-04	-4,4E-04	-4,542E-04
4-6-15 15:20	9,15	0,19	-0,851	-0,75	-0,09	-0,058	-0,073	-5,6E-04	-3,6E-04	-4,6E-04	-4,604E-04
5-6-15 10:35	9,95	0,182	-0,855	-0,754	-0,098	-0,062	-0,077	-6,1E-04	-3,9E-04	-4,8E-04	-4,938E-04
5-6-15 14:15	10,10	0,185	-0,856	-0,754	-0,095	-0,063	-0,077	-5,9E-04	-3,9E-04	-4,8E-04	-4,896E-04
8-6-15 8:00	12,84	0,155	-0,875	-0,775	-0,125	-0,082	-0,098	-7,8E-04	-5,1E-04	-6,1E-04	-6,354E-04
8-6-15 14:45	13,13	0,148	-0,88	-0,779	-0,132	-0,087	-0,102	-8,3E-04	-5,4E-04	-6,4E-04	-6,688E-04
9-6-15 8:10	13,85	0,143	-0,884	-0,789	-0,137	-0,091	-0,112	-8,6E-04	-5,7E-04	-7,0E-04	-7,083E-04
9-6-15 15:10	14,14	0,14	-0,885	-0,789	-0,14	-0,092	-0,112	-8,8E-04	-5,8E-04	-7,0E-04	-7,167E-04
10-6-15 11:05	14,97	0,134	-0,891	-0,794	-0,146	-0,098	-0,117	-9,1E-04	-6,1E-04	-7,3E-04	-7,521E-04
10-6-15 14:35	15,12	0,133	-0,892	-0,794	-0,147	-0,099	-0,117	-9,2E-04	-6,2E-04	-7,3E-04	-7,563E-04
11-6-15 15:20	16,15	0,129	-0,896	-0,797	-0,151	-0,103	-0,12	-9,4E-04	-6,4E-04	-7,5E-04	-7,792E-04
12-6-15 9:55	16,92	0,122	-0,898	-0,799	-0,158	-0,105	-0,122	-9,9E-04	-6,6E-04	-7,6E-04	-8,021E-04
12-6-15 15:15	17,15	0,125	-0,899	-0,8	-0,155	-0,106	-0,123	-9,7E-04	-6,6E-04	-7,7E-04	-8,000E-04
15-6-15 10:40	19,95	0,1	-0,917	-0,812	-0,18	-0,124	-0,135	-1,1E-03	-7,8E-04	-8,4E-04	-9,146E-04
15-6-15 15:50	20,17	0,098	-0,917	-0,817	-0,182	-0,124	-0,14	-1,1E-03	-7,8E-04	-8,7E-04	-9,292E-04
16-6-15 9:50	20,92	0,094	-0,923	-0,822	-0,186	-0,13	-0,145	-1,2E-03	-8,1E-04	-9,1E-04	-9,604E-04
16-6-15 15:25	21,15	0,092	-0,925	-0,824	-0,188	-0,132	-0,147	-1,2E-03	-8,3E-04	-9,2E-04	-9,729E-04
17-6-15 10:00	21,93	0,086	-0,927	-0,83	-0,194	-0,134	-0,153	-1,2E-03	-8,4E-04	-9,6E-04	-1,002E-03
17-6-15 14:20	22,11	0,086	-0,928	-0,831	-0,194	-0,135	-0,154	-1,2E-03	-8,4E-04	-9,6E-04	-1,006E-03
22-6-15 12:25	27,03	0,067	-0,951	-0,859	-0,213	-0,158	-0,182	-1,3E-03	-9,9E-04	-1,1E-03	-1,152E-03
23-6-15 10:15	27,94	0,061	-0,958	-0,868	-0,219	-0,165	-0,191	-1,4E-03	-1,0E-03	-1,2E-03	-1,198E-03
23-6-15 15:50	28,17	0,058	-0,958	-0,868	-0,222	-0,165	-0,191	-1,4E-03	-1,0E-03	-1,2E-03	-1,204E-03

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:50	0,00	0,399	-0,462	-0,012	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
26-5-15 12:20	0,02	0,396	-0,456	-0,012	-0,003	0	0	-1,9E-05	0,0E+00	0,0E+00	-6,250E-06
26-5-15 12:50	0,04	0,396	-0,454	-0,014	-0,003	0	-0,002	-1,9E-05	0,0E+00	-1,3E-05	-1,042E-05
26-5-15 14:00	0,09	0,392	-0,46	-0,021	-0,007	0	-0,009	-4,4E-05	0,0E+00	-5,6E-05	-3,333E-05
26-5-15 14:30	0,11	0,391	-0,468	-0,022	-0,008	-0,006	-0,01	-5,0E-05	-3,8E-05	-6,3E-05	-5,000E-05
26-5-15 15:00	0,13	0,388	-0,466	-0,026	-0,011	-0,004	-0,014	-6,9E-05	-2,5E-05	-8,8E-05	-6,042E-05
26-5-15 15:30	0,15	0,388	-0,465	-0,025	-0,011	-0,003	-0,013	-6,9E-05	-1,9E-05	-8,1E-05	-5,625E-05
26-5-15 16:00	0,17	0,387	-0,468	-0,029	-0,012	-0,006	-0,017	-7,5E-05	-3,8E-05	-1,1E-04	-7,292E-05
26-5-15 16:30	0,19	0,386	-0,47	-0,029	-0,013	-0,008	-0,017	-8,1E-05	-5,0E-05	-1,1E-04	-7,917E-05
27-5-15 10:25	0,94	0,36	-0,495	-0,054	-0,039	-0,033	-0,042	-2,4E-04	-2,1E-04	-2,6E-04	-2,375E-04
27-5-15 10:55	0,96	0,359	-0,492	-0,052	-0,04	-0,03	-0,04	-2,5E-04	-1,9E-04	-2,5E-04	-2,292E-04
27-5-15 11:25	0,98	0,359	-0,49	-0,054	-0,04	-0,028	-0,042	-2,5E-04	-1,8E-04	-2,6E-04	-2,292E-04
27-5-15 11:55	1,00	0,358	-0,492	-0,054	-0,041	-0,03	-0,042	-2,6E-04	-1,9E-04	-2,6E-04	-2,354E-04
27-5-15 12:25	1,02	0,354	-0,494	-0,058	-0,045	-0,032	-0,046	-2,8E-04	-2,0E-04	-2,9E-04	-2,563E-04
27-5-15 12:55	1,05	0,354	-0,493	-0,055	-0,045	-0,031	-0,043	-2,8E-04	-1,9E-04	-2,7E-04	-2,479E-04
27-5-15 13:25	1,07	0,355	-0,493	-0,055	-0,044	-0,031	-0,043	-2,8E-04	-1,9E-04	-2,7E-04	-2,458E-04
27-5-15 14:25	1,11	0,355	-0,494	-0,056	-0,044	-0,032	-0,044	-2,8E-04	-2,0E-04	-2,8E-04	-2,500E-04
27-5-15 14:55	1,13	0,356	-0,494	-0,057	-0,043	-0,032	-0,045	-2,7E-04	-2,0E-04	-2,8E-04	-2,500E-04
27-5-15 15:25	1,15	0,354	-0,497	-0,06	-0,045	-0,035	-0,048	-2,8E-04	-2,2E-04	-3,0E-04	-2,667E-04
27-5-15 15:55	1,17	0,353	-0,495	-0,061	-0,046	-0,033	-0,049	-2,9E-04	-2,1E-04	-3,1E-04	-2,667E-04
28-5-15 10:25	1,94	0,337	-0,515	-0,078	-0,062	-0,053	-0,066	-3,9E-04	-3,3E-04	-4,1E-04	-3,771E-04
28-5-15 11:25	1,98	0,336	-0,513	-0,078	-0,063	-0,051	-0,066	-3,9E-04	-3,2E-04	-4,1E-04	-3,750E-04
28-5-15 12:25	2,02	0,336	-0,515	-0,079	-0,063	-0,053	-0,067	-3,9E-04	-3,3E-04	-4,2E-04	-3,813E-04
28-5-15 13:25	2,07	0,334	-0,516	-0,079	-0,065	-0,054	-0,067	-4,1E-04	-3,4E-04	-4,2E-04	-3,875E-04
28-5-15 14:25	2,11	0,332	-0,517	-0,08	-0,067	-0,055	-0,068	-4,2E-04	-3,4E-04	-4,3E-04	-3,958E-04
28-5-15 15:25	2,15	0,333	-0,517	-0,08	-0,066	-0,055	-0,068	-4,1E-04	-3,4E-04	-4,3E-04	-3,938E-04
29-5-15 11:15	2,98	0,319	-0,53	-0,094	-0,08	-0,068	-0,082	-5,0E-04	-4,3E-04	-5,1E-04	-4,792E-04
29-5-15 13:25	3,07	0,318	-0,531	-0,096	-0,081	-0,069	-0,084	-5,1E-04	-4,3E-04	-5,3E-04	-4,875E-04
29-5-15 15:25	3,15	0,316	-0,534	-0,097	-0,083	-0,072	-0,085	-5,2E-04	-4,5E-04	-5,3E-04	-5,000E-04
3-6-15 10:10	7,93	0,239	-0,605	-0,171	-0,16	-0,143	-0,159	-1,0E-03	-8,9E-04	-9,9E-04	-9,625E-04
3-6-15 12:20	8,02	0,239	-0,605	-0,171	-0,16	-0,143	-0,159	-1,0E-03	-8,9E-04	-9,9E-04	-9,625E-04
3-6-15 14:10	8,10	0,238	-0,608	-0,172	-0,161	-0,146	-0,16	-1,0E-03	-9,1E-04	-1,0E-03	-9,729E-04
4-6-15 10:25	8,94	0,206	-0,618	-0,184	-0,193	-0,156	-0,172	-1,2E-03	-9,8E-04	-1,1E-03	-1,085E-03
4-6-15 12:25	9,02	0,205	-0,618	-0,185	-0,194	-0,156	-0,173	-1,2E-03	-9,8E-04	-1,1E-03	-1,090E-03
4-6-15 15:25	9,15	0,202	-0,619	-0,185	-0,197	-0,157	-0,173	-1,2E-03	-9,8E-04	-1,1E-03	-1,098E-03
5-6-15 10:40	9,95	0,192	-0,628	-0,194	-0,207	-0,166	-0,182	-1,3E-03	-1,0E-03	-1,1E-03	-1,156E-03
5-6-15 14:20	10,10	0,19	-0,629	-0,195	-0,209	-0,167	-0,183	-1,3E-03	-1,0E-03	-1,1E-03	-1,165E-03

8-6-15 8:05	12,84	0,162	-0,653	-0,218	-0,237	-0,191	-0,206	-1,5E-03	-1,2E-03	-1,3E-03	-1,321E-03
8-6-15 14:50	13,13	0,159	-0,655	-0,222	-0,24	-0,193	-0,21	-1,5E-03	-1,2E-03	-1,3E-03	-1,340E-03
9-6-15 8:15	13,85	0,154	-0,659	-0,227	-0,245	-0,197	-0,215	-1,5E-03	-1,2E-03	-1,3E-03	-1,369E-03
9-6-15 15:15	14,14	0,152	-0,66	-0,227	-0,247	-0,198	-0,215	-1,5E-03	-1,2E-03	-1,3E-03	-1,375E-03
10-6-15 11:10	14,97	0,149	-0,665	-0,233	-0,25	-0,203	-0,221	-1,6E-03	-1,3E-03	-1,4E-03	-1,404E-03
10-6-15 14:40	15,12	0,147	-0,666	-0,236	-0,252	-0,204	-0,224	-1,6E-03	-1,3E-03	-1,4E-03	-1,417E-03
11-6-15 15:25	16,15	0,143	-0,67	-0,239	-0,256	-0,208	-0,227	-1,6E-03	-1,3E-03	-1,4E-03	-1,440E-03
12-6-15 10:00	16,92	0,143	-0,67	-0,239	-0,256	-0,208	-0,227	-1,6E-03	-1,3E-03	-1,4E-03	-1,440E-03
12-6-15 15:20	17,15	0,14	-0,672	-0,241	-0,259	-0,21	-0,229	-1,6E-03	-1,3E-03	-1,4E-03	-1,454E-03
15-6-15 10:45	19,95	0,125	-0,678	-0,254	-0,274	-0,216	-0,242	-1,7E-03	-1,4E-03	-1,5E-03	-1,525E-03
15-6-15 15:55	20,17	0,125	-0,679	-0,254	-0,274	-0,217	-0,242	-1,7E-03	-1,4E-03	-1,5E-03	-1,527E-03
16-6-15 9:55	20,92	0,123	-0,685	-0,255	-0,276	-0,223	-0,243	-1,7E-03	-1,4E-03	-1,5E-03	-1,546E-03
16-6-15 15:30	21,15	0,123	-0,688	-0,257	-0,276	-0,226	-0,245	-1,7E-03	-1,4E-03	-1,5E-03	-1,556E-03
17-6-15 10:05	21,93	0,122	-0,693	-0,261	-0,277	-0,231	-0,249	-1,7E-03	-1,4E-03	-1,6E-03	-1,577E-03
17-6-15 14:25	22,11	0,121	-0,694	-0,262	-0,278	-0,232	-0,25	-1,7E-03	-1,5E-03	-1,6E-03	-1,583E-03
22-6-15 12:30	27,03	0,114	-0,701	-0,27	-0,285	-0,239	-0,258	-1,8E-03	-1,5E-03	-1,6E-03	-1,629E-03
23-6-15 10:20	27,94	0,11	-0,705	-0,273	-0,289	-0,243	-0,261	-1,8E-03	-1,5E-03	-1,6E-03	-1,652E-03
23-6-15 15:50	28,17	0,11	-0,706	-0,274	-0,289	-0,244	-0,262	-1,8E-03	-1,5E-03	-1,6E-03	-1,656E-03

SIS+POW	AUTO
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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
10-6-15 11:00	0,00	-0,108	-0,571	-0,783	0	0	0	0,0E+00	0,0E+00	0,0E+00	0,000E+00
10-6-15 11:40	0,03	-0,123	-0,578	-0,788	-0,015	-0,007	-0,005	-9,4E-05	-4,4E-05	-3,1E-05	-5,625E-05
10-6-15 12:20	0,06	-0,13	-0,584	-0,795	-0,022	-0,013	-0,012	-1,4E-04	-8,1E-05	-7,5E-05	-9,792E-05
10-6-15 13:00	0,08	-0,132	-0,586	-0,796	-0,024	-0,015	-0,013	-1,5E-04	-9,4E-05	-8,1E-05	-1,083E-04
10-6-15 13:50	0,12	-0,133	-0,587	-0,797	-0,025	-0,016	-0,014	-1,6E-04	-1,0E-04	-8,8E-05	-1,146E-04
10-6-15 14:30	0,15	-0,135	-0,589	-0,8	-0,027	-0,018	-0,017	-1,7E-04	-1,1E-04	-1,1E-04	-1,292E-04
10-6-15 15:15	0,18	-0,138	-0,589	-0,801	-0,03	-0,018	-0,018	-1,9E-04	-1,1E-04	-1,1E-04	-1,375E-04
11-6-15 15:15	1,18	-0,177	-0,633	-0,839	-0,069	-0,062	-0,056	-4,3E-04	-3,9E-04	-3,5E-04	-3,896E-04
11-6-15 15:45	1,20	-0,178	-0,634	-0,84	-0,07	-0,063	-0,057	-4,4E-04	-3,9E-04	-3,6E-04	-3,958E-04
11-6-15 16:10	1,22	-0,178	-0,634	-0,84	-0,07	-0,063	-0,057	-4,4E-04	-3,9E-04	-3,6E-04	-3,958E-04
12-6-15 9:40	1,94	-0,194	-0,656	-0,858	-0,086	-0,085	-0,075	-5,4E-04	-5,3E-04	-4,7E-04	-5,125E-04
12-6-15 10:30	1,98	-0,2	-0,659	-0,86	-0,092	-0,088	-0,077	-5,8E-04	-5,5E-04	-4,8E-04	-5,354E-04
12-6-15 13:40	2,11	-0,203	-0,664	-0,865	-0,095	-0,093	-0,082	-5,9E-04	-5,8E-04	-5,1E-04	-5,625E-04
12-6-15 15:00	2,17	-0,203	-0,664	-0,866	-0,095	-0,093	-0,083	-5,9E-04	-5,8E-04	-5,2E-04	-5,646E-04
12-6-15 15:35	2,19	-0,204	-0,665	-0,867	-0,096	-0,094	-0,084	-6,0E-04	-5,9E-04	-5,3E-04	-5,708E-04
15-6-15 10:25	4,98	-0,269	-0,743	-0,929	-0,161	-0,172	-0,146	-1,0E-03	-1,1E-03	-9,1E-04	-9,979E-04
15-6-15 12:55	5,08	-0,276	-0,749	-0,934	-0,168	-0,178	-0,151	-1,1E-03	-1,1E-03	-9,4E-04	-1,035E-03

15-6-15 15:35	5,19	-0,276	-0,749	-0,935	-0,168	-0,178	-0,152	-1,1E-03	-1,1E-03	-9,5E-04	-1,038E-03
16-6-15 9:35	5,94	-0,294	-0,77	-0,955	-0,186	-0,199	-0,172	-1,2E-03	-1,2E-03	-1,1E-03	-1,160E-03
16-6-15 15:10	6,17	-0,295	-0,772	-0,955	-0,187	-0,201	-0,172	-1,2E-03	-1,3E-03	-1,1E-03	-1,167E-03
17-6-15 9:45	6,95	-0,31	-0,786	-0,97	-0,202	-0,215	-0,187	-1,3E-03	-1,3E-03	-1,2E-03	-1,258E-03
17-6-15 14:05	7,13	-0,312	-0,788	-0,97	-0,204	-0,217	-0,187	-1,3E-03	-1,4E-03	-1,2E-03	-1,267E-03
22-6-15 12:10	12,05	-0,373	-0,845	-1,027	-0,265	-0,274	-0,244	-1,7E-03	-1,7E-03	-1,5E-03	-1,631E-03
23-6-15 10:00	12,96	-0,379	-0,851	-1,034	-0,271	-0,28	-0,251	-1,7E-03	-1,8E-03	-1,6E-03	-1,671E-03
23-6-15 15:35	13,19	-0,382	-0,852	-1,036	-0,274	-0,281	-0,253	-1,7E-03	-1,8E-03	-1,6E-03	-1,683E-03
24-6-15 10:15	13,97	-0,388	-0,859	-1,043	-0,28	-0,288	-0,26	-1,8E-03	-1,8E-03	-1,6E-03	-1,725E-03
24-6-15 15:30	14,19	-0,389	-0,86	-1,043	-0,281	-0,289	-0,26	-1,8E-03	-1,8E-03	-1,6E-03	-1,729E-03
25-6-15 10:30	14,98	-0,386	-0,853	-1,041	-0,278	-0,282	-0,258	-1,7E-03	-1,8E-03	-1,6E-03	-1,704E-03
26-6-15 10:15	15,97	-0,386	-0,853	-1,041	-0,278	-0,282	-0,258	-1,7E-03	-1,8E-03	-1,6E-03	-1,704E-03
26-6-15 15:15	16,18	-0,384	-0,851	-1,04	-0,276	-0,28	-0,257	-1,7E-03	-1,8E-03	-1,6E-03	-1,694E-03
29-6-15 9:30	18,94	-0,387	-0,853	-1,04	-0,279	-0,282	-0,257	-1,7E-03	-1,8E-03	-1,6E-03	-1,704E-03
29-6-15 14:40	19,15	-0,387	-0,854	-1,041	-0,279	-0,283	-0,258	-1,7E-03	-1,8E-03	-1,6E-03	-1,708E-03
30-6-15 10:15	19,97	-0,385	-0,853	-1,04	-0,277	-0,282	-0,257	-1,7E-03	-1,8E-03	-1,6E-03	-1,700E-03
30-6-15 14:50	20,16	-0,385	-0,853	-1,04	-0,277	-0,282	-0,257	-1,7E-03	-1,8E-03	-1,6E-03	-1,700E-03
1-7-15 9:45	20,95	-0,387	-0,853	-1,042	-0,279	-0,282	-0,259	-1,7E-03	-1,8E-03	-1,6E-03	-1,708E-03
1-7-15 13:45	21,11	-0,387	-0,853	-1,041	-0,279	-0,282	-0,258	-1,7E-03	-1,8E-03	-1,6E-03	-1,706E-03
2-7-15 9:45	21,95	-0,386	-0,848	-1,035	-0,278	-0,277	-0,252	-1,7E-03	-1,7E-03	-1,6E-03	-1,681E-03
2-7-15 15:05	22,17	-0,386	-0,849	-1,038	-0,278	-0,278	-0,255	-1,7E-03	-1,7E-03	-1,6E-03	-1,690E-03
3-7-15 8:35	22,90	-0,386	-0,85	-1,038	-0,278	-0,279	-0,255	-1,7E-03	-1,7E-03	-1,6E-03	-1,692E-03
6-7-15 9:35	25,94	-0,385	-0,848	-1,037	-0,277	-0,277	-0,254	-1,7E-03	-1,7E-03	-1,6E-03	-1,683E-03
6-7-15 15:25	25,94	-0,385	-0,847	-1,037	-0,277	-0,276	-0,254	-1,7E-03	-1,7E-03	-1,6E-03	-1,681E-03
7-7-15 10:50	26,18	-0,381	-0,846	-1,036	-0,273	-0,275	-0,253	-1,7E-03	-1,7E-03	-1,6E-03	-1,669E-03
7-7-15 15:25	26,99	-0,385	-0,847	-1,037	-0,277	-0,276	-0,254	-1,7E-03	-1,7E-03	-1,6E-03	-1,681E-03
7-7-15 8:00	26,88	-1,054	0,164	-0,804							

ANNEX 3

ANNEX 3

DRY MASS LOSS

STEEL 0,64%	DRY
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Data	Time	Measure			Mass difference (Dg)			% weighth lost			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	
	(min)	(g)			(g)			%			
28-4-15 11:55	0,00	629,00	625,03	630,41	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
28-4-15 12:25	0,02	628,41	624,45	629,69	-0,590	-0,580	-0,720	-0,094	-0,093	-0,114	-0,1003
28-4-15 12:54	0,04	627,85	623,92	629,20	-1,150	-1,110	-1,210	-0,183	-0,178	-0,192	-0,1841
28-4-15 13:24	0,06	627,46	623,55	628,83	-1,540	-1,480	-1,580	-0,245	-0,237	-0,251	-0,2441
28-4-15 13:54	0,08	626,99	623,07	628,33	-2,010	-1,960	-2,080	-0,320	-0,314	-0,330	-0,3210
28-4-15 14:24	0,10	626,82	622,89	628,18	-2,180	-2,140	-2,230	-0,347	-0,342	-0,354	-0,3476
28-4-15 14:54	0,12	626,55	622,63	627,90	-2,450	-2,400	-2,510	-0,390	-0,384	-0,398	-0,3905
28-4-15 15:24	0,15	626,30	622,39	627,65	-2,700	-2,640	-2,760	-0,429	-0,422	-0,438	-0,4298
28-4-15 15:54	0,17	626,07	622,15	627,42	-2,930	-2,880	-2,990	-0,466	-0,461	-0,474	-0,4670
28-4-15 16:24	0,19	625,83	621,93	627,19	-3,170	-3,100	-3,220	-0,504	-0,496	-0,511	-0,5036
28-4-15 16:54	0,21	625,64	621,73	627,01	-3,360	-3,300	-3,400	-0,534	-0,528	-0,539	-0,5338
28-4-15 17:24	0,23	625,48	621,55	626,83	-3,520	-3,480	-3,580	-0,560	-0,557	-0,568	-0,5614
29-4-15 10:10	0,93	622,51	618,58	623,76	-6,490	-6,450	-6,650	-1,032	-1,032	-1,055	-1,0395
29-4-15 10:40	0,95	622,45	618,52	623,75	-6,550	-6,510	-6,660	-1,041	-1,042	-1,056	-1,0464
29-4-15 12:30	1,02	622,25	618,32	623,55	-6,750	-6,710	-6,860	-1,073	-1,074	-1,088	-1,0783
29-4-15 12:45	1,03	622,23	618,29	623,52	-6,770	-6,740	-6,890	-1,076	-1,078	-1,093	-1,0825
29-4-15 13:15	1,06	622,18	618,23	623,47	-6,820	-6,800	-6,940	-1,084	-1,088	-1,101	-1,0910
29-4-15 13:45	1,08	622,13	618,19	623,43	-6,870	-6,840	-6,980	-1,092	-1,094	-1,107	-1,0979
29-4-15 14:15	1,10	622,09	618,15	623,39	-6,910	-6,880	-7,020	-1,099	-1,101	-1,114	-1,1043
29-4-15 14:45	1,12	622,01	618,09	623,33	-6,990	-6,940	-7,080	-1,111	-1,110	-1,123	-1,1149
29-4-15 15:15	1,14	621,97	618,04	623,28	-7,030	-6,990	-7,130	-1,118	-1,118	-1,131	-1,1223
29-4-15 15:45	1,16	621,92	617,99	623,24	-7,080	-7,040	-7,170	-1,126	-1,126	-1,137	-1,1298
30-4-15 10:00	1,92	620,62	616,71	621,97	-8,380	-8,320	-8,440	-1,332	-1,331	-1,339	-1,3341
30-4-15 11:00	1,96	620,56	616,65	621,92	-8,440	-8,380	-8,490	-1,342	-1,341	-1,347	-1,3431
30-4-15 12:00	2,00	620,52	616,61	621,88	-8,480	-8,420	-8,530	-1,348	-1,347	-1,353	-1,3495
30-4-15 13:00	2,05	620,46	616,55	621,81	-8,540	-8,480	-8,600	-1,358	-1,357	-1,364	-1,3595
30-4-15 14:00	2,09	620,41	616,50	621,77	-8,590	-8,530	-8,640	-1,366	-1,365	-1,371	-1,3670
30-4-15 15:00	2,13	620,35	616,44	621,71	-8,650	-8,590	-8,700	-1,375	-1,374	-1,380	-1,3765
30-4-15 16:00	2,17	620,31	616,41	621,67	-8,690	-8,620	-8,740	-1,382	-1,379	-1,386	-1,3824
4-5-15 8:45	5,87	617,79	613,89	619,18	-11,210	-11,140	-11,230	-1,782	-1,782	-1,781	-1,7820
4-5-15 11:45	5,99	617,75	613,84	619,13	-11,250	-11,190	-11,280	-1,789	-1,790	-1,789	-1,7894
4-5-15 13:45	6,08	617,72	613,81	619,10	-11,280	-11,220	-11,310	-1,793	-1,795	-1,794	-1,7942
5-5-15 10:30	6,94	617,44	613,54	618,84	-11,560	-11,490	-11,570	-1,838	-1,838	-1,835	-1,8372

5-5-15 12:30	7,02	617,43	613,52	618,82	-11,570	-11,510	-11,590	-1,839	-1,842	-1,838	-1,8398
5-5-15 14:30	7,11	617,43	613,51	618,80	-11,570	-11,520	-11,610	-1,839	-1,843	-1,842	-1,8414
5-5-15 16:30	7,19	617,40	613,51	618,78	-11,600	-11,520	-11,630	-1,844	-1,843	-1,845	-1,8440
6-5-15 10:30	7,94	617,26	613,32	618,59	-11,740	-11,710	-11,820	-1,866	-1,874	-1,875	-1,8716
6-5-15 12:30	8,02	617,22	613,30	618,57	-11,780	-11,730	-11,840	-1,873	-1,877	-1,878	-1,8759
6-5-15 14:30	8,11	617,20	613,27	618,55	-11,800	-11,760	-11,860	-1,876	-1,882	-1,881	-1,8796
6-5-15 16:30	8,19	617,17	613,25	618,53	-11,830	-11,780	-11,880	-1,881	-1,885	-1,884	-1,8833
7-5-15 10:00	8,92	616,98	613,07	618,36	-12,020	-11,960	-12,050	-1,911	-1,914	-1,911	-1,9120
7-5-15 12:00	9,00	616,96	613,05	618,33	-12,040	-11,980	-12,080	-1,914	-1,917	-1,916	-1,9157
7-5-15 14:00	9,09	616,94	613,03	618,32	-12,060	-12,000	-12,090	-1,917	-1,920	-1,918	-1,9183
11-5-15 15:00	13,13	616,21	612,32	617,62	-12,790	-12,710	-12,790	-2,033	-2,034	-2,029	-2,0319
11-5-15 17:00	13,21	616,21	612,32	617,62	-12,790	-12,710	-12,790	-2,033	-2,034	-2,029	-2,0319
12-5-15 10:30	13,94	616,12	612,22	617,52	-12,880	-12,810	-12,890	-2,048	-2,050	-2,045	-2,0473
12-5-15 12:30	14,02	616,10	612,21	617,51	-12,900	-12,820	-12,900	-2,051	-2,051	-2,046	-2,0494
12-5-15 14:30	14,11	616,08	612,19	617,50	-12,920	-12,840	-12,910	-2,054	-2,054	-2,048	-2,0521
12-5-15 16:30	14,19	616,08	612,19	617,49	-12,920	-12,840	-12,920	-2,054	-2,054	-2,049	-2,0526
13-5-15 10:00	14,92	615,99	612,10	617,39	-13,010	-12,930	-13,020	-2,068	-2,069	-2,065	-2,0675
13-5-15 12:30	15,02	615,98	612,09	617,38	-13,020	-12,940	-13,030	-2,070	-2,070	-2,067	-2,0691
13-5-15 14:30	15,11	615,96	612,06	617,37	-13,040	-12,970	-13,040	-2,073	-2,075	-2,068	-2,0722
14-5-15 9:00	15,88	615,87	611,98	617,29	-13,130	-13,050	-13,120	-2,087	-2,088	-2,081	-2,0855
14-5-15 11:00	15,96	615,86	611,97	617,28	-13,140	-13,060	-13,130	-2,089	-2,089	-2,083	-2,0871
14-5-15 13:30	16,07	615,86	611,98	617,28	-13,140	-13,050	-13,130	-2,089	-2,088	-2,083	-2,0866
15-5-15 9:00	16,88	615,78	611,89	617,20	-13,220	-13,140	-13,210	-2,102	-2,102	-2,095	-2,0998
15-5-15 11:00	16,96	615,76	611,88	617,19	-13,240	-13,150	-13,220	-2,105	-2,104	-2,097	-2,1020
15-5-15 13:00	17,05	615,75	611,87	617,17	-13,250	-13,160	-13,240	-2,107	-2,105	-2,100	-2,1041
18-5-15 8:45	19,87	615,51	611,63	616,94	-13,490	-13,400	-13,470	-2,145	-2,144	-2,137	-2,1418
18-5-15 15:45	20,16	615,50	611,61	616,92	-13,500	-13,420	-13,490	-2,146	-2,147	-2,140	-2,1444
19-5-15 12:05	21,01	615,45	611,55	616,86	-13,550	-13,480	-13,550	-2,154	-2,157	-2,149	-2,1534
19-5-15 14:05	21,09	615,44	611,55	616,86	-13,560	-13,480	-13,550	-2,156	-2,157	-2,149	-2,1540
19-5-15 16:05	21,17	615,44	611,54	616,86	-13,560	-13,490	-13,550	-2,156	-2,158	-2,149	-2,1545
20-5-15 11:00	21,96	615,41	611,53	616,84	-13,590	-13,500	-13,570	-2,161	-2,160	-2,153	-2,1577
20-5-15 13:00	22,05	615,41	611,52	616,83	-13,590	-13,510	-13,580	-2,161	-2,161	-2,154	-2,1587
21-5-15 10:30	22,94	615,37	611,48	616,80	-13,630	-13,550	-13,610	-2,167	-2,168	-2,159	-2,1646
21-5-15 12:30	23,02	615,36	611,48	616,80	-13,640	-13,550	-13,610	-2,169	-2,168	-2,159	-2,1651
25-5-15 10:30	26,94	615,15	611,26	616,56	-13,850	-13,770	-13,850	-2,202	-2,203	-2,197	-2,2007
25-5-15 12:30	27,02	615,15	611,26	616,56	-13,850	-13,770	-13,850	-2,202	-2,203	-2,197	-2,2007
26-5-15 10:20	27,93	615,11	611,22	616,51	-13,890	-13,810	-13,900	-2,208	-2,209	-2,205	-2,2076
26-5-15 12:20	28,02	615,10	611,21	616,50	-13,900	-13,820	-13,910	-2,210	-2,211	-2,207	-2,2092

Data	Time	Measure			Mass difference (Dg)			% weight lost			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	
	(min)	(g)			(g)			%			%
1-4-14 14:10	0,00	632,87	636,18	637,70	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
1-4-14 14:40	0,02	632,42	635,77	637,31	-0,450	-0,410	-0,390	-0,071	-0,064	-0,061	-0,0656
1-4-14 15:10	0,04	632,16	635,54	637,03	-0,710	-0,640	-0,670	-0,112	-0,101	-0,105	-0,1060
1-4-14 15:40	0,06	631,93	635,33	636,81	-0,940	-0,850	-0,890	-0,149	-0,134	-0,140	-0,1406
1-4-14 16:10	0,08	631,72	635,12	636,59	-1,150	-1,060	-1,110	-0,182	-0,167	-0,174	-0,1741
1-4-14 16:25	0,09	631,64	635,03	636,49	-1,230	-1,150	-1,210	-0,194	-0,181	-0,190	-0,1883
1-4-14 16:50	0,11	631,51	634,89	636,37	-1,360	-1,290	-1,330	-0,215	-0,203	-0,209	-0,2087
2-4-14 10:50	0,86	628,95	632,29	633,80	-3,920	-3,890	-3,900	-0,619	-0,611	-0,612	-0,6141
2-4-14 11:20	0,88	628,92	632,25	633,76	-3,950	-3,930	-3,940	-0,624	-0,618	-0,618	-0,6199
2-4-14 11:50	0,90	628,85	632,20	633,70	-4,020	-3,980	-4,000	-0,635	-0,626	-0,627	-0,6294
2-4-14 12:20	0,92	628,82	632,16	633,67	-4,050	-4,020	-4,030	-0,640	-0,632	-0,632	-0,6346
2-4-14 12:50	0,94	628,76	632,12	633,62	-4,110	-4,060	-4,080	-0,649	-0,638	-0,640	-0,6425
2-4-14 13:35	0,98	628,71	632,06	633,57	-4,160	-4,120	-4,130	-0,657	-0,648	-0,648	-0,6509
2-4-14 14:00	0,99	628,66	632,02	633,53	-4,210	-4,160	-4,170	-0,665	-0,654	-0,654	-0,6577
2-4-14 14:30	1,01	628,63	631,98	633,50	-4,240	-4,200	-4,200	-0,670	-0,660	-0,659	-0,6629
2-4-14 15:00	1,03	628,58	631,94	633,45	-4,290	-4,240	-4,250	-0,678	-0,666	-0,666	-0,6703
2-4-14 15:30	1,06	628,54	631,89	633,40	-4,330	-4,290	-4,300	-0,684	-0,674	-0,674	-0,6776
2-4-14 16:10	1,08	628,50	631,85	633,36	-4,370	-4,330	-4,340	-0,691	-0,681	-0,681	-0,6839
2-4-14 16:40	1,10	628,45	631,81	633,32	-4,420	-4,370	-4,380	-0,698	-0,687	-0,687	-0,6907
3-4-14 11:30	1,89	627,40	630,77	632,28	-5,470	-5,410	-5,420	-0,864	-0,850	-0,850	-0,8549
3-4-14 12:00	1,91	627,37	630,73	632,25	-5,500	-5,450	-5,450	-0,869	-0,857	-0,855	-0,8601
3-4-14 13:00	1,95	627,33	630,69	632,21	-5,540	-5,490	-5,490	-0,875	-0,863	-0,861	-0,8664
3-4-14 14:00	1,99	627,28	630,64	632,16	-5,590	-5,540	-5,540	-0,883	-0,871	-0,869	-0,8743
3-4-14 15:00	2,03	627,23	630,59	632,11	-5,640	-5,590	-5,590	-0,891	-0,879	-0,877	-0,8821
3-4-14 16:00	2,08	627,19	630,54	632,07	-5,680	-5,640	-5,630	-0,897	-0,887	-0,883	-0,8890
4-4-14 11:30	2,89	626,44	629,79	631,33	-6,430	-6,390	-6,370	-1,016	-1,004	-0,999	-1,0064
4-4-14 12:30	2,93	626,36	629,72	631,25	-6,510	-6,460	-6,450	-1,029	-1,015	-1,011	-1,0185
4-4-14 13:30	2,97	626,33	629,68	631,22	-6,540	-6,500	-6,480	-1,033	-1,022	-1,016	-1,0238
4-4-14 14:30	3,01	626,30	629,66	631,19	-6,570	-6,520	-6,510	-1,038	-1,025	-1,021	-1,0280
4-4-14 15:30	3,06	626,27	629,63	631,16	-6,600	-6,550	-6,540	-1,043	-1,030	-1,026	-1,0327
7-4-14 12:00	5,91	624,85	628,18	629,73	-8,020	-8,000	-7,970	-1,267	-1,258	-1,250	-1,2582
7-4-14 13:00	5,95	624,83	628,18	629,71	-8,040	-8,000	-7,990	-1,270	-1,258	-1,253	-1,2603
7-4-14 14:00	5,99	624,82	628,16	629,69	-8,050	-8,020	-8,010	-1,272	-1,261	-1,256	-1,2629
7-4-14 15:30	6,06	624,80	628,14	629,68	-8,070	-8,040	-8,020	-1,275	-1,264	-1,258	-1,2655
7-4-14 16:30	6,10	624,78	628,13	629,66	-8,090	-8,050	-8,040	-1,278	-1,265	-1,261	-1,2681
8-4-14 12:45	6,94	624,51	627,84	629,39	-8,360	-8,340	-8,310	-1,321	-1,311	-1,303	-1,3117
8-4-14 14:15	7,00	624,50	627,83	629,37	-8,370	-8,350	-8,330	-1,323	-1,313	-1,306	-1,3138
8-4-14 15:00	7,03	624,49	627,82	629,37	-8,380	-8,360	-8,330	-1,324	-1,314	-1,306	-1,3148
8-4-14 16:00	7,08	624,46	627,80	629,33	-8,410	-8,380	-8,370	-1,329	-1,317	-1,313	-1,3195

8-4-14 17:00	7,12	624,46	627,79	629,33	-8,410	-8,390	-8,370	-1,329	-1,319	-1,313	-1,3201
9-4-14 11:00	7,87	624,25	627,58	629,12	-8,620	-8,600	-8,580	-1,362	-1,352	-1,345	-1,3531
9-4-14 12:15	7,92	624,24	627,56	629,11	-8,630	-8,620	-8,590	-1,364	-1,355	-1,347	-1,3552
9-4-14 13:00	7,95	624,23	627,56	629,10	-8,640	-8,620	-8,600	-1,365	-1,355	-1,349	-1,3563
9-4-14 14:00	7,99	624,22	627,54	629,08	-8,650	-8,640	-8,620	-1,367	-1,358	-1,352	-1,3589
9-4-14 15:00	8,03	624,21	627,54	629,08	-8,660	-8,640	-8,620	-1,368	-1,358	-1,352	-1,3594
9-4-14 16:00	8,08	624,19	627,52	629,06	-8,680	-8,660	-8,640	-1,372	-1,361	-1,355	-1,3625
9-4-14 17:00	8,12	624,19	627,52	629,06	-8,680	-8,660	-8,640	-1,372	-1,361	-1,355	-1,3625
10-4-14 12:20	8,92	624,00	627,33	628,87	-8,870	-8,850	-8,830	-1,402	-1,391	-1,385	-1,3924
10-4-14 13:20	8,97	623,98	627,30	628,85	-8,890	-8,880	-8,850	-1,405	-1,396	-1,388	-1,3961
10-4-14 15:20	9,05	623,97	627,29	628,84	-8,900	-8,890	-8,860	-1,406	-1,397	-1,389	-1,3977
10-4-14 16:20	9,09	623,95	627,28	628,82	-8,920	-8,900	-8,880	-1,409	-1,399	-1,393	-1,4003
10-4-14 17:20	9,13	623,94	627,26	628,81	-8,930	-8,920	-8,890	-1,411	-1,402	-1,394	-1,4024
11-4-14 11:30	9,89	623,80	627,11	628,66	-9,070	-9,070	-9,040	-1,433	-1,426	-1,418	-1,4255
11-4-14 12:30	9,93	623,79	627,10	628,65	-9,080	-9,080	-9,050	-1,435	-1,427	-1,419	-1,4271
11-4-14 13:30	9,97	623,77	627,10	628,64	-9,100	-9,080	-9,060	-1,438	-1,427	-1,421	-1,4286
11-4-14 14:30	10,01	623,77	627,09	628,64	-9,100	-9,090	-9,060	-1,438	-1,429	-1,421	-1,4292
11-4-14 15:30	10,06	623,77	627,08	628,63	-9,100	-9,100	-9,070	-1,438	-1,430	-1,422	-1,4302
11-4-14 16:30	10,10	623,76	627,07	628,63	-9,110	-9,110	-9,070	-1,439	-1,432	-1,422	-1,4313
14-4-14 12:00	12,91	623,30	626,61	628,16	-9,570	-9,570	-9,540	-1,512	-1,504	-1,496	-1,5042
14-4-14 14:00	12,99	623,27	626,58	628,14	-9,600	-9,600	-9,560	-1,517	-1,509	-1,499	-1,5083
14-4-14 16:00	13,08	623,26	626,57	628,13	-9,610	-9,610	-9,570	-1,518	-1,511	-1,501	-1,5099
15-4-14 13:00	13,95	623,15	626,46	628,01	-9,720	-9,720	-9,690	-1,536	-1,528	-1,520	-1,5278
15-4-14 15:00	14,03	623,14	626,45	628,01	-9,730	-9,730	-9,690	-1,537	-1,529	-1,520	-1,5288
15-4-14 17:00	14,12	623,13	626,43	627,99	-9,740	-9,750	-9,710	-1,539	-1,533	-1,523	-1,5314
16-4-14 13:15	14,96	623,02	626,33	627,88	-9,850	-9,850	-9,820	-1,556	-1,548	-1,540	-1,5482
16-4-14 16:15	15,09	623,03	626,33	627,89	-9,840	-9,850	-9,810	-1,555	-1,548	-1,538	-1,5472
17-4-14 12:20	15,92	622,95	626,25	627,81	-9,920	-9,930	-9,890	-1,567	-1,561	-1,551	-1,5597
17-4-14 15:20	16,05	622,93	626,23	627,79	-9,940	-9,950	-9,910	-1,571	-1,564	-1,554	-1,5629
18-4-14 11:45	16,90	622,88	626,15	627,70	-9,990	-10,030	-10,000	-1,579	-1,577	-1,568	-1,5744
18-4-14 14:35	17,02	622,84	626,14	627,70	-10,030	-10,040	-10,000	-1,585	-1,578	-1,568	-1,5770
22-4-14 11:05	20,87	622,53	625,83	627,39	-10,340	-10,350	-10,310	-1,634	-1,627	-1,617	-1,6258
23-4-14 10:30	21,85	622,49	625,76	627,31	-10,380	-10,420	-10,390	-1,640	-1,638	-1,629	-1,6358
23-4-14 13:30	21,97	622,46	625,75	627,30	-10,410	-10,430	-10,400	-1,645	-1,639	-1,631	-1,6384
24-4-14 15:20	23,05	622,40	625,69	627,24	-10,470	-10,490	-10,460	-1,654	-1,649	-1,640	-1,6478
28-4-14 11:30	26,89	622,18	625,47	627,02	-10,690	-10,710	-10,680	-1,689	-1,683	-1,675	-1,6825
28-4-14 15:30	27,06	622,17	625,46	627,01	-10,700	-10,720	-10,690	-1,691	-1,685	-1,676	-1,6840
29-4-14 14:10	28,00	622,14	625,43	626,98	-10,730	-10,750	-10,720	-1,695	-1,690	-1,681	-1,6888

Data	Time	Measure			Mass difference (Dg)			% weigth lost			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	
	(min)	(g)			(g)			%			%
9-4-14 13:00	0,00	586,98	588,22	598,21	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
9-4-14 13:20	0,01	586,38	587,64	597,67	-0,102	-0,099	-0,090	-0,102	-0,099	-0,090	-0,0970
9-4-14 13:45	0,03	586,07	587,34	597,37	-0,155	-0,150	-0,140	-0,155	-0,150	-0,140	-0,1484
9-4-14 14:15	0,05	585,64	586,94	596,98	-0,228	-0,218	-0,206	-0,228	-0,218	-0,206	-0,2172
9-4-14 14:35	0,07	585,43	586,74	596,77	-0,264	-0,252	-0,241	-0,264	-0,252	-0,241	-0,2521
9-4-14 15:00	0,08	585,14	586,46	596,49	-0,313	-0,299	-0,288	-0,313	-0,299	-0,288	-0,3001
9-4-14 15:30	0,10	584,93	586,28	596,30	-0,349	-0,330	-0,319	-0,349	-0,330	-0,319	-0,3328
9-4-14 16:00	0,13	584,67	585,98	596,00	-0,394	-0,381	-0,369	-0,394	-0,381	-0,369	-0,3813
9-4-14 16:30	0,15	584,50	585,82	595,83	-0,423	-0,408	-0,398	-0,423	-0,408	-0,398	-0,4095
9-4-14 17:00	0,17	584,26	585,59	595,60	-0,463	-0,447	-0,436	-0,463	-0,447	-0,436	-0,4489
10-4-14 12:20	0,97	580,81	582,21	592,10	-1,051	-1,022	-1,021	-1,051	-1,022	-1,021	-1,0314
10-4-14 13:20	1,01	580,71	582,09	591,98	-1,068	-1,042	-1,041	-1,068	-1,042	-1,041	-1,0506
10-4-14 14:20	1,06	580,60	581,99	591,88	-1,087	-1,059	-1,058	-1,087	-1,059	-1,058	-1,0681
10-4-14 15:20	1,10	580,50	581,89	591,78	-1,104	-1,076	-1,075	-1,104	-1,076	-1,075	-1,0850
10-4-14 16:20	1,14	580,40	581,79	591,67	-1,121	-1,093	-1,093	-1,121	-1,093	-1,093	-1,1025
10-4-14 17:20	1,18	580,31	581,69	591,58	-1,136	-1,110	-1,108	-1,136	-1,110	-1,108	-1,1183
11-4-14 11:30	1,94	579,05	580,44	590,30	-1,351	-1,323	-1,322	-1,351	-1,323	-1,322	-1,3320
11-4-14 12:30	1,98	578,99	580,36	590,23	-1,361	-1,336	-1,334	-1,361	-1,336	-1,334	-1,3438
11-4-14 13:30	2,02	578,94	580,32	590,18	-1,370	-1,343	-1,342	-1,370	-1,343	-1,342	-1,3517
11-4-14 14:30	2,06	578,88	580,26	590,12	-1,380	-1,353	-1,352	-1,380	-1,353	-1,352	-1,3618
11-4-14 15:30	2,10	578,83	580,21	590,08	-1,388	-1,362	-1,359	-1,388	-1,362	-1,359	-1,3698
11-4-14 16:30	2,15	578,78	580,15	590,02	-1,397	-1,372	-1,369	-1,397	-1,372	-1,369	-1,3793
14-4-14 12:00	4,96	576,51	577,87	587,72	-1,784	-1,760	-1,754	-1,784	-1,760	-1,754	-1,7656
14-4-14 13:00	5,00	576,47	577,84	587,68	-1,791	-1,765	-1,760	-1,791	-1,765	-1,760	-1,7718
14-4-14 14:00	5,04	576,44	577,81	587,66	-1,796	-1,770	-1,764	-1,796	-1,770	-1,764	-1,7763
14-4-14 15:00	5,08	576,42	577,78	587,63	-1,799	-1,775	-1,769	-1,799	-1,775	-1,769	-1,7808
14-4-14 16:00	5,13	576,41	577,76	587,61	-1,801	-1,778	-1,772	-1,801	-1,778	-1,772	-1,7836
15-4-14 13:00	6,00	575,99	577,35	587,20	-1,872	-1,848	-1,840	-1,872	-1,848	-1,840	-1,8536
15-4-14 14:00	6,04	575,97	577,34	587,18	-1,876	-1,850	-1,844	-1,876	-1,850	-1,844	-1,8564
15-4-14 15:00	6,08	575,96	577,32	587,16	-1,877	-1,853	-1,847	-1,877	-1,853	-1,847	-1,8592
15-4-14 16:00	6,13	575,94	577,30	587,14	-1,881	-1,856	-1,851	-1,881	-1,856	-1,851	-1,8626
15-4-14 17:00	6,17	575,92	577,28	587,12	-1,884	-1,860	-1,854	-1,884	-1,860	-1,854	-1,8660
16-4-14 13:15	7,01	575,58	576,95	586,79	-1,942	-1,916	-1,909	-1,942	-1,916	-1,909	-1,9224
16-4-14 14:15	7,05	575,59	576,94	586,78	-1,940	-1,918	-1,911	-1,940	-1,918	-1,911	-1,9229
16-4-14 15:15	7,09	575,57	576,93	586,76	-1,944	-1,919	-1,914	-1,944	-1,919	-1,914	-1,9257
16-4-14 16:15	7,14	575,56	576,92	586,75	-1,946	-1,921	-1,916	-1,946	-1,921	-1,916	-1,9274
17-4-14 12:20	7,97	575,30	576,66	586,50	-1,990	-1,965	-1,958	-1,990	-1,965	-1,958	-1,9709
17-4-14 13:20	8,01	575,28	576,64	586,48	-1,993	-1,969	-1,961	-1,993	-1,969	-1,961	-1,9743
17-4-14 14:20	8,06	575,27	576,62	586,46	-1,995	-1,972	-1,964	-1,995	-1,972	-1,964	-1,9771

17-4-14 15:20	8,10	575,25	576,61	586,45	-1,998	-1,974	-1,966	-1,998	-1,974	-1,966	-1,9793
18-4-14 11:45	8,95	575,02	576,38	586,22	-2,038	-2,013	-2,004	-2,038	-2,013	-2,004	-2,0182
18-4-14 14:35	9,07	574,99	576,36	586,18	-2,043	-2,016	-2,011	-2,043	-2,016	-2,011	-2,0233
22-4-14 11:05	12,92	574,19	575,55	585,39	-2,179	-2,154	-2,143	-2,179	-2,154	-2,143	-2,1587
23-4-14 10:30	13,90	574,04	575,40	585,24	-2,205	-2,179	-2,168	-2,205	-2,179	-2,168	-2,1840
23-4-14 13:30	14,02	574,02	575,38	585,22	-2,208	-2,183	-2,171	-2,208	-2,183	-2,171	-2,1874
24-4-14 15:20	15,10	573,87	575,23	585,06	-2,233	-2,208	-2,198	-2,233	-2,208	-2,198	-2,2133
24-4-14 16:20	15,14	573,86	575,22	585,05	-2,235	-2,210	-2,200	-2,235	-2,210	-2,200	-2,2150
28-4-14 11:30	18,94	573,41	574,77	584,60	-2,312	-2,287	-2,275	-2,312	-2,287	-2,275	-2,2912
28-4-14 13:30	19,02	573,40	574,77	584,59	-2,314	-2,287	-2,277	-2,314	-2,287	-2,277	-2,2923
28-4-14 15:30	19,10	573,40	574,75	584,57	-2,314	-2,290	-2,280	-2,314	-2,290	-2,280	-2,2945
29-4-14 12:00	19,96	573,30	574,67	584,49	-2,331	-2,304	-2,294	-2,331	-2,304	-2,294	-2,3092
29-4-14 14:00	20,04	573,30	574,66	584,49	-2,331	-2,305	-2,294	-2,331	-2,305	-2,294	-2,3098
30-4-14 13:00	21,00	573,22	574,58	584,40	-2,344	-2,319	-2,309	-2,344	-2,319	-2,309	-2,3239
30-4-14 15:30	21,10	573,22	574,58	584,41	-2,344	-2,319	-2,307	-2,344	-2,319	-2,307	-2,3233
5-5-14 10:50	25,91	573,20	574,57	584,41	-2,348	-2,321	-2,307	-2,348	-2,321	-2,307	-2,3250
5-5-14 12:50	25,99	573,14	574,51	584,35	-2,358	-2,331	-2,317	-2,358	-2,331	-2,317	-2,3352
5-5-14 16:00	26,13	573,10	574,47	584,31	-2,365	-2,338	-2,324	-2,365	-2,338	-2,324	-2,3419
6-5-14 13:30	27,02	572,99	574,35	584,19	-2,383	-2,358	-2,344	-2,383	-2,358	-2,344	-2,3617
6-5-14 15:00	27,08	572,97	574,34	584,16	-2,387	-2,360	-2,349	-2,387	-2,360	-2,349	-2,3650
7-5-14 9:40	27,86	572,91	574,27	584,09	-2,397	-2,372	-2,360	-2,397	-2,372	-2,360	-2,3763
7-5-14 14:00	28,04	572,89	574,26	584,07	-2,400	-2,373	-2,364	-2,400	-2,373	-2,364	-2,3791

Data	Time	Measure			Mass difference (Dg)			% weight lost			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	
	(min)	(g)			(g)			%			%
1-4-14 14:40	0,00	607,24	608,93	609,79	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
1-4-14 15:10	0,02	606,71	608,40	609,30	-0,530	-0,530	-0,490	-0,087	-0,087	-0,080	-0,0849
1-4-14 15:40	0,04	606,44	608,11	608,98	-0,800	-0,820	-0,810	-0,132	-0,135	-0,133	-0,1331
1-4-14 16:10	0,06	606,13	607,81	608,66	-1,110	-1,120	-1,130	-0,183	-0,184	-0,185	-0,1840
1-4-14 16:25	0,07	606,01	607,70	608,56	-1,230	-1,230	-1,230	-0,203	-0,202	-0,202	-0,2021
1-4-14 16:50	0,09	605,86	607,55	608,39	-1,380	-1,380	-1,400	-0,227	-0,227	-0,230	-0,2278
2-4-14 10:50	0,84	602,84	604,57	605,43	-4,400	-4,360	-4,360	-0,725	-0,716	-0,715	-0,7185
2-4-14 11:20	0,86	602,81	604,53	605,37	-4,430	-4,400	-4,420	-0,730	-0,723	-0,725	-0,7256
2-4-14 11:50	0,88	602,75	604,47	605,31	-4,490	-4,460	-4,480	-0,739	-0,732	-0,735	-0,7355
2-4-14 12:20	0,90	602,70	604,43	605,27	-4,540	-4,500	-4,520	-0,748	-0,739	-0,741	-0,7426
2-4-14 12:50	0,92	602,66	604,37	605,22	-4,580	-4,560	-4,570	-0,754	-0,749	-0,749	-0,7508
2-4-14 13:35	0,95	602,59	604,31	605,16	-4,650	-4,620	-4,630	-0,766	-0,759	-0,759	-0,7612
2-4-14 14:00	0,97	602,55	604,27	605,12	-4,690	-4,660	-4,670	-0,772	-0,765	-0,766	-0,7678
2-4-14 14:30	0,99	602,52	604,23	605,08	-4,720	-4,700	-4,710	-0,777	-0,772	-0,772	-0,7738
2-4-14 15:00	1,01	602,47	604,18	605,03	-4,770	-4,750	-4,760	-0,786	-0,780	-0,781	-0,7821
2-4-14 15:30	1,03	602,42	604,14	604,99	-4,820	-4,790	-4,800	-0,794	-0,787	-0,787	-0,7892
2-4-14 16:10	1,06	602,37	604,09	604,94	-4,870	-4,840	-4,850	-0,802	-0,795	-0,795	-0,7974
2-4-14 16:40	1,08	602,34	604,04	604,89	-4,900	-4,890	-4,900	-0,807	-0,803	-0,804	-0,8045
3-4-14 11:30	1,87	601,25	602,96	603,83	-5,990	-5,970	-5,960	-0,986	-0,980	-0,977	-0,9814
3-4-14 12:00	1,89	601,22	602,93	603,79	-6,020	-6,000	-6,000	-0,991	-0,985	-0,984	-0,9869
3-4-14 13:00	1,93	601,18	602,89	603,75	-6,060	-6,040	-6,040	-0,998	-0,992	-0,991	-0,9935
3-4-14 14:00	1,97	601,13	602,84	603,71	-6,110	-6,090	-6,080	-1,006	-1,000	-0,997	-1,0011
3-4-14 15:00	2,01	601,09	602,80	603,66	-6,150	-6,130	-6,130	-1,013	-1,007	-1,005	-1,0082
3-4-14 16:00	2,06	601,04	602,75	603,61	-6,200	-6,180	-6,180	-1,021	-1,015	-1,013	-1,0165
4-4-14 11:30	2,87	600,30	602,02	602,88	-6,940	-6,910	-6,910	-1,143	-1,135	-1,133	-1,1369
4-4-14 12:30	2,91	600,23	601,94	602,81	-7,010	-6,990	-6,980	-1,154	-1,148	-1,145	-1,1490
4-4-14 13:30	2,95	600,20	601,91	602,77	-7,040	-7,020	-7,020	-1,159	-1,153	-1,151	-1,1545
4-4-14 14:30	2,99	600,17	601,88	602,75	-7,070	-7,050	-7,040	-1,164	-1,158	-1,154	-1,1588
4-4-14 15:30	3,03	600,14	601,85	602,72	-7,100	-7,080	-7,070	-1,169	-1,163	-1,159	-1,1638
7-4-14 12:00	5,89	598,74	600,44	601,31	-8,500	-8,490	-8,480	-1,400	-1,394	-1,391	-1,3949
7-4-14 13:00	5,93	598,72	600,43	601,30	-8,520	-8,500	-8,490	-1,403	-1,396	-1,392	-1,3971
7-4-14 14:00	5,97	598,71	600,41	601,28	-8,530	-8,520	-8,510	-1,405	-1,399	-1,396	-1,3998
7-4-14 15:30	6,03	598,70	600,40	601,27	-8,540	-8,530	-8,520	-1,406	-1,401	-1,397	-1,4015
7-4-14 16:30	6,08	598,68	600,39	601,25	-8,560	-8,540	-8,540	-1,410	-1,402	-1,400	-1,4042
8-4-14 12:45	6,92	598,40	600,12	600,99	-8,840	-8,810	-8,800	-1,456	-1,447	-1,443	-1,4486
8-4-14 14:15	6,98	598,40	600,11	600,98	-8,840	-8,820	-8,810	-1,456	-1,448	-1,445	-1,4497
8-4-14 15:00	7,01	598,38	600,10	600,97	-8,860	-8,830	-8,820	-1,459	-1,450	-1,446	-1,4518

8-4-14 16:00	7,06	598,36	600,07	600,94	-8,880	-8,860	-8,850	-1,462	-1,455	-1,451	-1,4562
8-4-14 17:00	7,10	598,36	600,07	600,93	-8,880	-8,860	-8,860	-1,462	-1,455	-1,453	-1,4568
9-4-14 11:00	7,85	598,15	599,87	600,74	-9,090	-9,060	-9,050	-1,497	-1,488	-1,484	-1,4896
9-4-14 12:15	7,90	598,14	599,85	600,72	-9,100	-9,080	-9,070	-1,499	-1,491	-1,487	-1,4924
9-4-14 13:00	7,93	598,13	599,84	600,71	-9,110	-9,090	-9,080	-1,500	-1,493	-1,489	-1,4940
9-4-14 14:00	7,97	598,12	599,83	600,70	-9,120	-9,100	-9,090	-1,502	-1,494	-1,491	-1,4957
9-4-14 15:00	8,01	598,11	599,82	600,69	-9,130	-9,110	-9,100	-1,504	-1,496	-1,492	-1,4973
9-4-14 16:00	8,06	598,09	599,80	600,67	-9,150	-9,130	-9,120	-1,507	-1,499	-1,496	-1,5006
9-4-14 17:00	8,10	598,09	599,80	600,67	-9,150	-9,130	-9,120	-1,507	-1,499	-1,496	-1,5006
10-4-14 12:20	8,90	597,90	599,61	600,49	-9,340	-9,320	-9,300	-1,538	-1,531	-1,525	-1,5313
10-4-14 13:20	8,94	597,89	599,60	600,47	-9,350	-9,330	-9,320	-1,540	-1,532	-1,528	-1,5334
10-4-14 15:20	9,03	597,88	599,59	600,46	-9,360	-9,340	-9,330	-1,541	-1,534	-1,530	-1,5351
10-4-14 16:20	9,07	597,87	599,57	600,45	-9,370	-9,360	-9,340	-1,543	-1,537	-1,532	-1,5373
10-4-14 17:20	9,11	597,85	599,55	600,43	-9,390	-9,380	-9,360	-1,546	-1,540	-1,535	-1,5406
11-4-14 11:30	9,87	597,70	599,42	600,28	-9,540	-9,510	-9,510	-1,571	-1,562	-1,560	-1,5641
11-4-14 12:30	9,91	597,69	599,41	600,28	-9,550	-9,520	-9,510	-1,573	-1,563	-1,560	-1,5652
11-4-14 13:30	9,95	597,69	599,40	600,28	-9,550	-9,530	-9,510	-1,573	-1,565	-1,560	-1,5658
11-4-14 14:30	9,99	597,68	599,39	600,26	-9,560	-9,540	-9,530	-1,574	-1,567	-1,563	-1,5680
11-4-14 15:30	10,03	597,68	599,38	600,26	-9,560	-9,550	-9,530	-1,574	-1,568	-1,563	-1,5685
11-4-14 16:30	10,08	597,66	599,38	600,25	-9,580	-9,550	-9,540	-1,578	-1,568	-1,564	-1,5701
14-4-14 12:00	12,89	597,22	598,93	599,80	-10,020	-10,000	-9,990	-1,650	-1,642	-1,638	-1,6435
14-4-14 14:00	12,97	597,20	598,92	599,78	-10,040	-10,010	-10,010	-1,653	-1,644	-1,642	-1,6463
14-4-14 16:00	13,06	597,18	598,90	599,77	-10,060	-10,030	-10,020	-1,657	-1,647	-1,643	-1,6490
15-4-14 13:00	13,93	597,07	598,79	599,66	-10,170	-10,140	-10,130	-1,675	-1,665	-1,661	-1,6671
15-4-14 15:00	14,01	597,07	598,78	599,65	-10,170	-10,150	-10,140	-1,675	-1,667	-1,663	-1,6682
15-4-14 17:00	14,10	597,06	598,77	599,64	-10,180	-10,160	-10,150	-1,676	-1,669	-1,665	-1,6698
16-4-14 13:15	14,94	596,94	598,66	599,53	-10,300	-10,270	-10,260	-1,696	-1,687	-1,683	-1,6884
16-4-14 16:15	15,07	596,94	598,66	599,53	-10,300	-10,270	-10,260	-1,696	-1,687	-1,683	-1,6884
17-4-14 12:20	15,90	596,88	598,59	599,45	-10,360	-10,340	-10,340	-1,706	-1,698	-1,696	-1,6999
17-4-14 15:20	16,03	596,85	598,57	599,44	-10,390	-10,360	-10,350	-1,711	-1,701	-1,697	-1,7032
18-4-14 11:45	16,88	596,77	598,48	599,35	-10,470	-10,450	-10,440	-1,724	-1,716	-1,712	-1,7175
18-4-14 14:35	17,00	596,77	598,48	599,34	-10,470	-10,450	-10,450	-1,724	-1,716	-1,714	-1,7180
22-4-14 11:05	20,85	596,44	598,16	599,02	-10,800	-10,770	-10,770	-1,779	-1,769	-1,766	-1,7711
23-4-14 10:30	21,83	596,38	598,09	598,95	-10,860	-10,840	-10,840	-1,788	-1,780	-1,778	-1,7821
23-4-14 13:30	21,95	596,37	598,09	598,95	-10,870	-10,840	-10,840	-1,790	-1,780	-1,778	-1,7826
24-4-14 15:20	23,03	596,30	598,02	598,88	-10,940	-10,910	-10,910	-1,802	-1,792	-1,789	-1,7941
28-4-14 11:30	26,87	596,07	597,79	598,65	-11,170	-11,140	-11,140	-1,839	-1,829	-1,827	-1,8319
28-4-14 15:30	27,03	596,07	597,78	598,65	-11,170	-11,150	-11,140	-1,839	-1,831	-1,827	-1,8325
29-4-14 14:45	28,00	596,02	597,74	598,60	-11,220	-11,190	-11,190	-1,848	-1,838	-1,835	-1,8401

Data	Time	Measure			Mass difference (Dg)			% weight lost			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	
	(min)	(g)			(g)			%			%
16-4-14 13:35	0,00	570,47	577,68	588,31	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
16-4-14 14:15	0,03	569,54	576,87	587,53	-0,930	-0,810	-0,780	-0,163	-0,140	-0,133	-0,1453
16-4-14 14:35	0,04	569,10	576,45	587,11	-1,370	-1,230	-1,200	-0,240	-0,213	-0,204	-0,2190
16-4-14 15:05	0,06	568,59	575,96	586,65	-1,880	-1,720	-1,660	-0,330	-0,298	-0,282	-0,3032
16-4-14 15:35	0,08	568,16	575,55	586,22	-2,310	-2,130	-2,090	-0,405	-0,369	-0,355	-0,3763
16-4-14 16:05	0,10	567,75	575,17	585,85	-2,720	-2,510	-2,460	-0,477	-0,434	-0,418	-0,4431
16-4-14 16:35	0,13	567,37	574,80	585,48	-3,100	-2,880	-2,830	-0,543	-0,499	-0,481	-0,5077
17-4-14 12:20	0,95	561,81	569,22	579,96	-8,660	-8,460	-8,350	-1,518	-1,464	-1,419	-1,4673
17-4-14 12:50	0,97	561,72	569,12	579,87	-8,750	-8,560	-8,440	-1,534	-1,482	-1,435	-1,4834
17-4-14 13:20	0,99	561,65	569,05	579,78	-8,820	-8,630	-8,530	-1,546	-1,494	-1,450	-1,4966
17-4-14 13:50	1,01	561,78	568,97	579,70	-8,690	-8,710	-8,610	-1,523	-1,508	-1,464	-1,4982
17-4-14 14:20	1,03	561,50	568,89	579,62	-8,970	-8,790	-8,690	-1,572	-1,522	-1,477	-1,5237
17-4-14 14:50	1,05	561,43	568,82	579,54	-9,040	-8,860	-8,770	-1,585	-1,534	-1,491	-1,5364
17-4-14 15:20	1,07	561,36	568,73	579,45	-9,110	-8,950	-8,860	-1,597	-1,549	-1,506	-1,5507
18-4-14 11:45	1,92	559,32	566,66	577,33	-11,150	-11,020	-10,980	-1,955	-1,908	-1,866	-1,9095
18-4-14 14:35	2,04	559,11	566,45	577,11	-11,360	-11,230	-11,200	-1,991	-1,944	-1,904	-1,9464
22-4-14 11:05	5,90	555,46	562,77	573,38	-15,010	-14,910	-14,930	-2,631	-2,581	-2,538	-2,5833
23-4-14 10:30	6,87	554,99	562,27	572,87	-15,480	-15,410	-15,440	-2,714	-2,668	-2,624	-2,6685
23-4-14 13:30	7,00	554,94	562,22	572,81	-15,530	-15,460	-15,500	-2,722	-2,676	-2,635	-2,6777
24-4-14 15:20	8,07	554,52	561,81	572,39	-15,950	-15,870	-15,920	-2,796	-2,747	-2,706	-2,7497
24-4-14 16:20	8,11	554,50	561,78	572,37	-15,970	-15,900	-15,940	-2,799	-2,752	-2,709	-2,7538
28-4-14 11:30	11,91	553,46	560,72	571,28	-17,010	-16,960	-17,030	-2,982	-2,936	-2,895	-2,9375
28-4-14 13:30	12,00	553,44	560,70	571,26	-17,030	-16,980	-17,050	-2,985	-2,939	-2,898	-2,9409
28-4-14 15:30	12,08	553,42	560,67	571,23	-17,050	-17,010	-17,080	-2,989	-2,945	-2,903	-2,9455
29-4-14 12:00	12,93	553,26	560,51	571,06	-17,210	-17,170	-17,250	-3,017	-2,972	-2,932	-2,9737
29-4-14 14:00	13,02	553,24	560,49	571,04	-17,230	-17,190	-17,270	-3,020	-2,976	-2,936	-2,9772
30-4-14 13:00	13,98	553,08	560,33	570,87	-17,390	-17,350	-17,440	-3,048	-3,003	-2,964	-3,0054
30-4-14 15:30	14,08	553,06	560,31	570,86	-17,410	-17,370	-17,450	-3,052	-3,007	-2,966	-3,0083
5-5-14 10:50	18,89	552,94	560,21	570,71	-17,530	-17,470	-17,600	-3,073	-3,024	-2,992	-3,0296
5-5-14 12:50	18,97	552,86	560,12	570,62	-17,610	-17,560	-17,690	-3,087	-3,040	-3,007	-3,0445
5-5-14 16:00	19,10	552,81	560,06	570,57	-17,660	-17,620	-17,740	-3,096	-3,050	-3,015	-3,0537
6-5-14 13:30	20,00	552,64	559,88	570,37	-17,830	-17,800	-17,940	-3,125	-3,081	-3,049	-3,0854
6-5-14 15:00	20,06	552,62	559,86	570,36	-17,850	-17,820	-17,950	-3,129	-3,085	-3,051	-3,0883
7-5-14 9:40	20,84	552,51	559,75	570,24	-17,960	-17,930	-18,070	-3,148	-3,104	-3,072	-3,1079
7-5-14 15:00	21,06	552,47	559,70	570,20	-18,000	-17,980	-18,110	-3,155	-3,112	-3,078	-3,1154

8-5-14 15:00	22,06	552,35	559,57	570,06	-18,120	-18,110	-18,250	-3,176	-3,135	-3,102	-3,1378
9-5-14 13:10	22,98	552,26	559,47	569,96	-18,210	-18,210	-18,350	-3,192	-3,152	-3,119	-3,1545
12-5-14 15:00	26,06	552,04	559,24	569,72	-18,430	-18,440	-18,590	-3,231	-3,192	-3,160	-3,1942
13-5-14 16:00	27,10	551,96	559,16	569,64	-18,510	-18,520	-18,670	-3,245	-3,206	-3,173	-3,2080
14-5-14 16:00	28,10	551,89	559,09	569,56	-18,580	-18,590	-18,750	-3,257	-3,218	-3,187	-3,2207

6-NANO

DRY

Data	Time	Measure			Mass difference (Dg)			% weight lost			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	
	(min)	(g)			(g)			%			%
8-4-14 14:40	0,00	589,97	593,48	593,72	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
8-4-14 15:00	0,01	589,29	592,85	593,08	-0,680	-0,630	-0,640	-0,115	-0,106	-0,108	-0,1097
8-4-14 15:30	0,03	588,96	592,44	593,73	-1,010	-1,040	0,010	-0,171	-0,175	0,002	-0,1149
8-4-14 16:00	0,06	588,46	592,01	592,31	-1,510	-1,470	-1,410	-0,256	-0,248	-0,237	-0,2470
8-4-14 16:30	0,08	588,18	591,75	592,06	-1,790	-1,730	-1,660	-0,303	-0,292	-0,280	-0,2915
8-4-14 17:00	0,10	587,89	591,48	591,77	-2,080	-2,000	-1,950	-0,353	-0,337	-0,328	-0,3393
8-4-14 17:30	0,12	587,67	591,26	591,56	-2,300	-2,220	-2,160	-0,390	-0,374	-0,364	-0,3759
9-4-14 11:00	0,85	584,35	587,96	588,26	-5,620	-5,520	-5,460	-0,953	-0,930	-0,920	-0,9341
9-4-14 11:30	0,87	584,30	587,90	588,20	-5,670	-5,580	-5,520	-0,961	-0,940	-0,930	-0,9437
9-4-14 12:15	0,90	584,22	587,83	588,13	-5,750	-5,650	-5,590	-0,975	-0,952	-0,942	-0,9561
9-4-14 13:00	0,93	584,15	587,75	588,05	-5,820	-5,730	-5,670	-0,986	-0,965	-0,955	-0,9690
9-4-14 14:00	0,97	584,05	587,66	587,96	-5,920	-5,820	-5,760	-1,003	-0,981	-0,970	-0,9848
9-4-14 15:00	1,01	583,97	587,57	587,87	-6,000	-5,910	-5,850	-1,017	-0,996	-0,985	-0,9994
9-4-14 16:00	1,06	583,88	587,48	587,78	-6,090	-6,000	-5,940	-1,032	-1,011	-1,000	-1,0146
9-4-14 16:30	1,08	583,85	587,45	587,76	-6,120	-6,030	-5,960	-1,037	-1,016	-1,004	-1,0191
9-4-14 17:00	1,10	583,81	587,40	587,71	-6,160	-6,080	-6,010	-1,044	-1,024	-1,012	-1,0269
10-4-14 12:20	1,90	582,59	586,21	586,53	-7,380	-7,270	-7,190	-1,251	-1,225	-1,211	-1,2290
10-4-14 13:20	1,94	582,54	586,16	586,48	-7,430	-7,320	-7,240	-1,259	-1,233	-1,219	-1,2374
10-4-14 14:20	1,99	582,49	586,10	586,42	-7,480	-7,380	-7,300	-1,268	-1,244	-1,230	-1,2470
10-4-14 15:20	2,03	582,43	586,05	586,37	-7,540	-7,430	-7,350	-1,278	-1,252	-1,238	-1,2560
10-4-14 16:20	2,07	582,38	586,00	586,32	-7,590	-7,480	-7,400	-1,287	-1,260	-1,246	-1,2644
10-4-14 17:20	2,11	582,33	585,95	586,26	-7,640	-7,530	-7,460	-1,295	-1,269	-1,256	-1,2734
11-4-14 11:30	2,87	581,62	585,23	585,56	-8,350	-8,250	-8,160	-1,415	-1,390	-1,374	-1,3933
11-4-14 12:30	2,91	581,58	585,18	585,50	-8,390	-8,300	-8,220	-1,422	-1,399	-1,384	-1,4017
11-4-14 13:30	2,95	581,54	585,16	585,48	-8,430	-8,320	-8,240	-1,429	-1,402	-1,388	-1,4062
11-4-14 14:30	2,99	581,51	585,13	585,45	-8,460	-8,350	-8,270	-1,434	-1,407	-1,393	-1,4113
11-4-14 15:30	3,03	581,48	585,10	585,42	-8,490	-8,380	-8,300	-1,439	-1,412	-1,398	-1,4163
11-4-14 16:30	3,08	581,45	585,07	585,38	-8,520	-8,410	-8,340	-1,444	-1,417	-1,405	-1,4220
14-4-14 12:00	5,89	579,92	583,55	583,87	-10,050	-9,930	-9,850	-1,703	-1,673	-1,659	-1,6786
14-4-14 13:00	5,93	579,90	583,53	583,84	-10,070	-9,950	-9,880	-1,707	-1,677	-1,664	-1,6825
14-4-14 14:00	5,97	579,88	583,51	583,82	-10,090	-9,970	-9,900	-1,710	-1,680	-1,667	-1,6859

14-4-14 15:00	6,01	579,85	583,48	583,80	-10,120	-10,000	-9,920	-1,715	-1,685	-1,671	-1,6904
14-4-14 16:00	6,06	579,84	583,47	583,79	-10,130	-10,010	-9,930	-1,717	-1,687	-1,673	-1,6921
15-4-14 13:00	6,93	579,55	583,18	583,49	-10,420	-10,300	-10,230	-1,766	-1,736	-1,723	-1,7416
15-4-14 14:00	6,97	579,54	583,16	583,48	-10,430	-10,320	-10,240	-1,768	-1,739	-1,725	-1,7438
15-4-14 15:00	7,01	579,52	583,16	583,47	-10,450	-10,320	-10,250	-1,771	-1,739	-1,726	-1,7455
15-4-14 16:00	7,06	579,52	583,14	583,45	-10,450	-10,340	-10,270	-1,771	-1,742	-1,730	-1,7478
15-4-14 17:00	7,10	579,50	583,12	583,44	-10,470	-10,360	-10,280	-1,775	-1,746	-1,731	-1,7506
16-4-14 13:15	7,94	579,25	582,87	583,19	-10,720	-10,610	-10,530	-1,817	-1,788	-1,774	-1,7928
16-4-14 14:15	7,98	579,24	582,86	583,18	-10,730	-10,620	-10,540	-1,819	-1,789	-1,775	-1,7945
16-4-14 15:15	8,02	579,23	582,85	583,17	-10,740	-10,630	-10,550	-1,820	-1,791	-1,777	-1,7962
16-4-14 16:15	8,07	579,23	582,85	583,17	-10,740	-10,630	-10,550	-1,820	-1,791	-1,777	-1,7962
17-4-14 12:20	8,90	579,03	582,65	582,98	-10,940	-10,830	-10,740	-1,854	-1,825	-1,809	-1,8294
17-4-14 13:20	8,94	579,02	582,64	582,97	-10,950	-10,840	-10,750	-1,856	-1,827	-1,811	-1,8311
17-4-14 14:20	8,99	579,01	582,63	582,95	-10,960	-10,850	-10,770	-1,858	-1,828	-1,814	-1,8333
17-4-14 15:20	9,03	579,00	582,62	582,94	-10,970	-10,860	-10,780	-1,859	-1,830	-1,816	-1,8350
18-4-14 11:45	9,88	578,83	582,45	582,77	-11,140	-11,030	-10,950	-1,888	-1,859	-1,844	-1,8637
18-4-14 14:35	10,00	578,81	582,43	582,75	-11,160	-11,050	-10,970	-1,892	-1,862	-1,848	-1,8671
22-4-14 11:05	13,85	578,22	581,83	582,15	-11,750	-11,650	-11,570	-1,992	-1,963	-1,949	-1,9678
23-4-14 10:30	14,83	578,11	581,73	582,05	-11,860	-11,750	-11,670	-2,010	-1,980	-1,966	-1,9852
23-4-14 13:30	14,95	578,09	581,71	582,03	-11,880	-11,770	-11,690	-2,014	-1,983	-1,969	-1,9886
24-4-14 15:20	16,03	577,99	581,60	581,92	-11,980	-11,880	-11,800	-2,031	-2,002	-1,987	-2,0066
24-4-14 16:20	16,07	577,98	581,59	581,91	-11,990	-11,890	-11,810	-2,032	-2,003	-1,989	-2,0083
28-4-14 11:30	19,87	577,66	581,26	581,57	-12,310	-12,220	-12,150	-2,087	-2,059	-2,046	-2,0640
28-4-14 13:30	19,95	577,65	581,26	581,57	-12,320	-12,220	-12,150	-2,088	-2,059	-2,046	-2,0646
28-4-14 15:30	20,03	577,64	581,24	581,56	-12,330	-12,240	-12,160	-2,090	-2,062	-2,048	-2,0668
29-4-14 12:00	20,89	577,59	581,20	581,51	-12,380	-12,280	-12,210	-2,098	-2,069	-2,057	-2,0747
29-4-14 14:00	20,97	577,57	581,19	581,50	-12,400	-12,290	-12,220	-2,102	-2,071	-2,058	-2,0769
30-4-14 13:00	21,93	577,52	581,13	581,44	-12,450	-12,350	-12,280	-2,110	-2,081	-2,068	-2,0865
30-4-14 15:30	22,03	577,53	581,14	581,45	-12,440	-12,340	-12,270	-2,109	-2,079	-2,067	-2,0848
5-5-14 10:50	26,84	577,55	581,14	581,47	-12,420	-12,340	-12,250	-2,105	-2,079	-2,063	-2,0826
5-5-14 12:50	26,92	577,49	581,10	581,41	-12,480	-12,380	-12,310	-2,115	-2,086	-2,073	-2,0916
5-5-14 16:00	27,06	577,46	581,06	581,38	-12,510	-12,420	-12,340	-2,120	-2,093	-2,078	-2,0972
6-5-14 13:30	27,95	577,38	580,98	581,30	-12,590	-12,500	-12,420	-2,134	-2,106	-2,092	-2,1107
6-5-14 15:00	28,01	577,38	580,97	581,29	-12,590	-12,510	-12,430	-2,134	-2,108	-2,094	-2,1118

POW
DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:20	0,00	593,32	587,68	586,24	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
9-6-15 12:00	0,03	592,71	587,11	585,64	-0,610	-0,570	-0,600	-0,103	-0,097	-0,102	-0,1007
9-6-15 13:15	0,08	592,13	586,45	584,99	-1,190	-1,230	-1,250	-0,201	-0,209	-0,213	-0,2077
9-6-15 13:50	0,10	591,86	586,16	584,72	-1,460	-1,520	-1,520	-0,246	-0,259	-0,259	-0,2547
9-6-15 14:20	0,13	591,69	585,99	584,53	-1,630	-1,690	-1,710	-0,275	-0,288	-0,292	-0,2847
9-6-15 15:00	0,15	591,48	585,77	584,32	-1,840	-1,910	-1,920	-0,310	-0,325	-0,328	-0,3209
9-6-15 15:35	0,18	591,29	585,60	584,13	-2,030	-2,080	-2,110	-0,342	-0,354	-0,360	-0,3520
10-6-15 10:50	0,98	588,30	582,64	581,12	-5,020	-5,040	-5,120	-0,846	-0,858	-0,873	-0,8590
10-6-15 11:30	1,01	588,21	582,57	581,04	-5,110	-5,110	-5,200	-0,861	-0,870	-0,887	-0,8726
10-6-15 12:10	1,03	588,15	582,52	580,98	-5,170	-5,160	-5,260	-0,871	-0,878	-0,897	-0,8822
10-6-15 12:50	1,06	588,08	582,46	580,91	-5,240	-5,220	-5,330	-0,883	-0,888	-0,909	-0,8935
10-6-15 13:40	1,10	588,02	582,39	580,85	-5,300	-5,290	-5,390	-0,893	-0,900	-0,919	-0,9043
10-6-15 14:20	1,13	587,97	582,35	580,80	-5,350	-5,330	-5,440	-0,902	-0,907	-0,928	-0,9122
10-6-15 15:05	1,16	587,93	582,31	580,77	-5,390	-5,370	-5,470	-0,908	-0,914	-0,933	-0,9184
11-6-15 15:05	2,16	586,47	580,80	579,32	-6,850	-6,880	-6,920	-1,155	-1,171	-1,180	-1,1685
11-6-15 15:55	2,19	586,43	580,77	579,28	-6,890	-6,910	-6,960	-1,161	-1,176	-1,187	-1,1748
12-6-15 9:45	2,93	585,64	579,98	578,45	-7,680	-7,700	-7,790	-1,294	-1,310	-1,329	-1,3112
12-6-15 10:35	2,97	585,59	579,93	578,42	-7,730	-7,750	-7,820	-1,303	-1,319	-1,334	-1,3185
12-6-15 13:45	3,10	585,48	579,83	578,30	-7,840	-7,850	-7,940	-1,321	-1,336	-1,354	-1,3372
12-6-15 15:05	3,16	585,44	579,77	578,25	-7,880	-7,910	-7,990	-1,328	-1,346	-1,363	-1,3457
15-6-15 10:30	5,97	583,76	578,09	576,55	-9,560	-9,590	-9,690	-1,611	-1,632	-1,653	-1,6320
15-6-15 13:00	6,07	583,72	578,04	576,50	-9,600	-9,640	-9,740	-1,618	-1,640	-1,661	-1,6399
15-6-15 15:40	6,18	583,67	578,00	576,45	-9,650	-9,680	-9,790	-1,626	-1,647	-1,670	-1,6479
16-6-15 9:40	6,93	583,39	577,71	576,17	-9,930	-9,970	-10,070	-1,674	-1,697	-1,718	-1,6960
16-6-15 15:15	7,16	583,31	577,63	576,09	-10,010	-10,050	-10,150	-1,687	-1,710	-1,731	-1,7095
17-6-15 9:50	7,94	583,03	577,38	575,83	-10,290	-10,300	-10,410	-1,734	-1,753	-1,776	-1,7542
17-6-15 14:10	8,12	582,98	577,32	575,77	-10,340	-10,360	-10,470	-1,743	-1,763	-1,786	-1,7639
22-6-15 12:15	13,04	581,96	576,30	574,73	-11,360	-11,380	-11,510	-1,915	-1,936	-1,963	-1,9381
23-6-15 10:05	13,95	581,83	576,16	574,60	-11,490	-11,520	-11,640	-1,937	-1,960	-1,986	-1,9608
23-6-15 15:40	14,18	581,79	576,13	574,56	-11,530	-11,550	-11,680	-1,943	-1,965	-1,992	-1,9670
24-6-15 10:20	14,96	581,70	576,03	574,45	-11,620	-11,650	-11,790	-1,958	-1,982	-2,011	-1,9840
24-6-15 15:35	15,18	581,65	575,99	574,41	-11,670	-11,690	-11,830	-1,967	-1,989	-2,018	-1,9913
25-6-15 12:05	16,03	581,80	576,08	574,59	-11,520	-11,600	-11,650	-1,942	-1,974	-1,987	-1,9676
26-6-15 10:15	16,95	581,88	576,17	574,64	-11,440	-11,510	-11,600	-1,928	-1,959	-1,979	-1,9551
26-6-15 15:20	17,17	581,89	576,18	574,66	-11,430	-11,500	-11,580	-1,926	-1,957	-1,975	-1,9529

29-6-15 9:35	19,93	582,04	576,35	574,81	-11,280	-11,330	-11,430	-1,901	-1,928	-1,950	-1,9263
29-6-15 14:45	20,14	582,07	576,36	574,83	-11,250	-11,320	-11,410	-1,896	-1,926	-1,946	-1,9229
30-6-15 10:20	20,96	582,12	576,41	574,88	-11,200	-11,270	-11,360	-1,888	-1,918	-1,938	-1,9144
30-6-15 14:55	21,15	582,12	576,40	574,88	-11,200	-11,280	-11,360	-1,888	-1,919	-1,938	-1,9150
1-7-15 9:50	21,94	582,16	576,45	574,92	-11,160	-11,230	-11,320	-1,881	-1,911	-1,931	-1,9076
1-7-15 13:50	22,10	582,18	576,48	574,94	-11,140	-11,200	-11,300	-1,878	-1,906	-1,928	-1,9036
2-7-15 9:50	22,94	582,23	576,25	574,97	-11,090	-11,430	-11,270	-1,869	-1,945	-1,922	-1,9122
2-7-15 15:10	23,16	582,27	576,51	574,99	-11,050	-11,170	-11,250	-1,862	-1,901	-1,919	-1,8940
3-7-15 8:50	23,90	582,32	576,56	575,05	-11,000	-11,120	-11,190	-1,854	-1,892	-1,909	-1,8850
6-7-15 9:40	26,93	582,47	576,63	575,17	-10,850	-11,050	-11,070	-1,829	-1,880	-1,888	-1,8658
6-7-15 15:30	27,17	582,47	576,64	575,18	-10,850	-11,040	-11,060	-1,829	-1,879	-1,887	-1,8646
7-7-15 10:55	27,98	582,51	576,76	575,26	-10,810	-10,920	-10,980	-1,822	-1,858	-1,873	-1,8510
7-7-15 15:30	28,17	582,53	576,77	575,26	-10,790	-10,910	-10,980	-1,819	-1,856	-1,873	-1,8493

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DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	629,57	633,16	633,50	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
5-5-15 12:10	0,02	628,91	632,42	632,82	-0,660	-0,740	-0,680	-0,105	-0,117	-0,107	-0,1097
5-5-15 12:40	0,04	628,45	632,01	632,41	-1,120	-1,150	-1,090	-0,178	-0,182	-0,172	-0,1772
5-5-15 13:10	0,06	628,04	631,63	631,94	-1,530	-1,530	-1,560	-0,243	-0,242	-0,246	-0,2436
5-5-15 13:40	0,08	627,72	631,28	631,57	-1,850	-1,880	-1,930	-0,294	-0,297	-0,305	-0,2985
5-5-15 14:10	0,10	627,44	630,98	631,20	-2,130	-2,180	-2,300	-0,338	-0,344	-0,363	-0,3486
5-5-15 14:40	0,13	627,09	630,67	630,93	-2,480	-2,490	-2,570	-0,394	-0,393	-0,406	-0,3976
5-5-15 15:10	0,15	626,86	630,39	630,64	-2,710	-2,770	-2,860	-0,430	-0,437	-0,451	-0,4398
5-5-15 15:40	0,17	626,58	630,12	630,40	-2,990	-3,040	-3,100	-0,475	-0,480	-0,489	-0,4815
5-5-15 16:10	0,19	626,34	629,85	630,16	-3,230	-3,310	-3,340	-0,513	-0,523	-0,527	-0,5210
5-5-15 16:40	0,21	626,12	629,64	629,97	-3,450	-3,520	-3,530	-0,548	-0,556	-0,557	-0,5537
6-5-15 10:20	0,94	622,43	625,99	626,41	-7,140	-7,170	-7,090	-1,134	-1,132	-1,119	-1,1286
6-5-15 10:50	0,97	622,38	625,94	626,37	-7,190	-7,220	-7,130	-1,142	-1,140	-1,125	-1,1360
6-5-15 11:20	0,99	622,32	625,88	626,28	-7,250	-7,280	-7,220	-1,152	-1,150	-1,140	-1,1470
6-5-15 11:50	1,01	622,25	625,81	626,21	-7,320	-7,350	-7,290	-1,163	-1,161	-1,151	-1,1581
6-5-15 12:20	1,03	622,19	625,75	626,15	-7,380	-7,410	-7,350	-1,172	-1,170	-1,160	-1,1676
6-5-15 12:50	1,05	622,14	625,70	626,09	-7,430	-7,460	-7,410	-1,180	-1,178	-1,170	-1,1760
6-5-15 13:20	1,07	622,07	625,63	626,02	-7,500	-7,530	-7,480	-1,191	-1,189	-1,181	-1,1871
6-5-15 13:50	1,09	622,04	625,59	625,98	-7,530	-7,570	-7,520	-1,196	-1,196	-1,187	-1,1929
6-5-15 14:20	1,11	621,98	625,52	625,91	-7,590	-7,640	-7,590	-1,206	-1,207	-1,198	-1,2034
6-5-15 14:50	1,13	621,92	625,47	625,86	-7,650	-7,690	-7,640	-1,215	-1,215	-1,206	-1,2119
6-5-15 15:20	1,15	621,86	625,42	625,81	-7,710	-7,740	-7,690	-1,225	-1,222	-1,214	-1,2203
6-5-15 15:50	1,17	621,81	625,37	625,76	-7,760	-7,790	-7,740	-1,233	-1,230	-1,222	-1,2282

6-5-15 16:20	1,19	621,76	625,31	625,70	-7,810	-7,850	-7,800	-1,241	-1,240	-1,231	-1,2372
7-5-15 10:20	1,94	620,39	623,96	624,34	-9,180	-9,200	-9,160	-1,458	-1,453	-1,446	-1,4524
7-5-15 11:20	1,99	620,32	623,84	624,26	-9,250	-9,320	-9,240	-1,469	-1,472	-1,459	-1,4666
7-5-15 12:20	2,03	620,27	623,79	624,20	-9,300	-9,370	-9,300	-1,477	-1,480	-1,468	-1,4750
7-5-15 13:20	2,07	620,21	623,73	624,14	-9,360	-9,430	-9,360	-1,487	-1,489	-1,478	-1,4845
7-5-15 14:20	2,11	620,15	623,67	624,09	-9,420	-9,490	-9,410	-1,496	-1,499	-1,485	-1,4935
7-5-15 15:20	2,15	620,09	623,60	624,02	-9,480	-9,560	-9,480	-1,506	-1,510	-1,496	-1,5040
11-5-15 14:50	6,13	617,21	620,73	621,13	-12,360	-12,430	-12,370	-1,963	-1,963	-1,953	-1,9597
11-5-15 16:50	6,22	617,18	620,70	621,09	-12,390	-12,460	-12,410	-1,968	-1,968	-1,959	-1,9650
12-5-15 10:20	6,94	616,92	620,43	620,83	-12,650	-12,730	-12,670	-2,009	-2,011	-2,000	-2,0066
12-5-15 12:20	7,03	616,89	620,39	620,80	-12,680	-12,770	-12,700	-2,014	-2,017	-2,005	-2,0119
12-5-15 14:20	7,11	616,86	620,37	620,79	-12,710	-12,790	-12,710	-2,019	-2,020	-2,006	-2,0151
12-5-15 16:20	7,19	616,83	620,35	620,75	-12,740	-12,810	-12,750	-2,024	-2,023	-2,013	-2,0198
13-5-15 10:00	7,93	616,60	620,12	620,52	-12,970	-13,040	-12,980	-2,060	-2,060	-2,049	-2,0562
13-5-15 12:00	8,01	616,58	620,09	620,49	-12,990	-13,070	-13,010	-2,063	-2,064	-2,054	-2,0604
13-5-15 14:00	8,10	616,56	620,06	620,46	-13,010	-13,100	-13,040	-2,066	-2,069	-2,058	-2,0646
14-5-15 8:50	8,88	616,35	619,86	620,27	-13,220	-13,300	-13,230	-2,100	-2,101	-2,088	-2,0963
14-5-15 10:50	8,97	616,33	619,84	620,24	-13,240	-13,320	-13,260	-2,103	-2,104	-2,093	-2,1000
14-5-15 12:50	9,05	616,31	619,82	620,23	-13,260	-13,340	-13,270	-2,106	-2,107	-2,095	-2,1026
15-5-15 9:00	9,89	616,12	619,63	620,04	-13,450	-13,530	-13,460	-2,136	-2,137	-2,125	-2,1327
15-5-15 11:00	9,97	616,09	619,61	620,01	-13,480	-13,550	-13,490	-2,141	-2,140	-2,129	-2,1369
15-5-15 13:00	10,06	616,08	619,60	619,99	-13,490	-13,560	-13,510	-2,143	-2,142	-2,133	-2,1390
18-5-15 8:50	12,88	615,59	619,11	619,51	-13,980	-14,050	-13,990	-2,221	-2,219	-2,208	-2,2160
18-5-15 15:50	13,17	615,55	619,07	619,45	-14,020	-14,090	-14,050	-2,227	-2,225	-2,218	-2,2234
19-5-15 12:10	14,02	615,42	618,95	619,35	-14,150	-14,210	-14,150	-2,248	-2,244	-2,234	-2,2418
19-5-15 14:10	14,10	615,42	618,94	619,35	-14,150	-14,220	-14,150	-2,248	-2,246	-2,234	-2,2424
19-5-15 16:10	14,19	615,42	618,94	619,35	-14,150	-14,220	-14,150	-2,248	-2,246	-2,234	-2,2424
20-5-15 11:10	14,98	615,35	618,90	619,27	-14,220	-14,260	-14,230	-2,259	-2,252	-2,246	-2,2524
20-5-15 13:10	15,06	615,34	618,89	619,27	-14,230	-14,270	-14,230	-2,260	-2,254	-2,246	-2,2534
21-5-15 10:00	15,93	615,16	618,75	619,14	-14,410	-14,410	-14,360	-2,289	-2,276	-2,267	-2,2772
21-5-15 12:00	16,01	615,15	618,75	619,13	-14,420	-14,410	-14,370	-2,290	-2,276	-2,268	-2,2782
25-5-15 8:50	19,88	614,88	618,40	618,81	-14,690	-14,760	-14,690	-2,333	-2,331	-2,319	-2,3278
25-5-15 12:45	20,05	614,85	618,37	618,79	-14,720	-14,790	-14,710	-2,338	-2,336	-2,322	-2,3320
26-5-15 10:25	20,95	614,78	618,31	618,71	-14,790	-14,850	-14,790	-2,349	-2,345	-2,335	-2,3431
26-5-15 12:25	21,03	614,78	618,30	618,71	-14,790	-14,860	-14,790	-2,349	-2,347	-2,335	-2,3436
26-5-15 15:25	21,16	614,78	618,30	618,71	-14,790	-14,860	-14,790	-2,349	-2,347	-2,335	-2,3436
27-5-15 11:05	21,98	614,73	618,24	618,66	-14,840	-14,920	-14,840	-2,357	-2,356	-2,343	-2,3520
27-5-15 13:05	22,06	614,71	618,23	618,65	-14,860	-14,930	-14,850	-2,360	-2,358	-2,344	-2,3542
27-5-15 15:05	22,14	614,71	618,23	618,65	-14,860	-14,930	-14,850	-2,360	-2,358	-2,344	-2,3542
28-5-15 10:50	22,97	614,65	618,18	618,60	-14,920	-14,980	-14,900	-2,370	-2,366	-2,352	-2,3626
28-5-15 12:50	23,05	614,64	618,17	618,58	-14,930	-14,990	-14,920	-2,371	-2,367	-2,355	-2,3647
28-5-15 14:50	23,13	614,63	618,16	618,57	-14,940	-15,000	-14,930	-2,373	-2,369	-2,357	-2,3663
29-5-15 11:40	24,00	614,58	618,11	618,50	-14,990	-15,050	-15,000	-2,381	-2,377	-2,368	-2,3753

29-5-15 13:45	24,09	614,57	618,09	618,50	-15,000	-15,070	-15,000	-2,383	-2,380	-2,368	-2,3768
29-5-15 13:45	24,09	614,57	618,09	618,50	-15,000	-15,070	-15,000	-2,383	-2,380	-2,368	-2,3768
3-6-15 10:40	28,96	614,32	617,85	618,26	-15,250	-15,310	-15,240	-2,422	-2,418	-2,406	-2,4153

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DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	611,18	611,08	610,94	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
5-5-15 12:10	0,02	610,68	610,56	610,36	-0,500	-0,520	-0,580	-0,082	-0,085	-0,095	-0,0873
5-5-15 12:40	0,04	610,22	610,11	609,88	-0,960	-0,970	-1,060	-0,157	-0,159	-0,174	-0,1631
5-5-15 13:10	0,06	609,75	609,69	609,50	-1,430	-1,390	-1,440	-0,234	-0,227	-0,236	-0,2324
5-5-15 13:40	0,08	609,35	609,29	609,10	-1,830	-1,790	-1,840	-0,299	-0,293	-0,301	-0,2978
5-5-15 14:10	0,10	609,01	608,95	608,75	-2,170	-2,130	-2,190	-0,355	-0,349	-0,358	-0,3540
5-5-15 14:40	0,13	608,69	608,63	608,45	-2,490	-2,450	-2,490	-0,407	-0,401	-0,408	-0,4053
5-5-15 15:10	0,15	608,40	608,33	608,15	-2,780	-2,750	-2,790	-0,455	-0,450	-0,457	-0,4539
5-5-15 15:40	0,17	608,18	608,11	607,92	-3,000	-2,970	-3,020	-0,491	-0,486	-0,494	-0,4904
5-5-15 16:10	0,19	607,90	607,86	607,67	-3,280	-3,220	-3,270	-0,537	-0,527	-0,535	-0,5329
5-5-15 16:40	0,21	607,70	607,66	607,45	-3,480	-3,420	-3,490	-0,569	-0,560	-0,571	-0,5668
6-5-15 10:20	0,94	603,95	603,90	603,65	-7,230	-7,180	-7,290	-1,183	-1,175	-1,193	-1,1837
6-5-15 10:50	0,97	603,90	603,84	603,60	-7,280	-7,240	-7,340	-1,191	-1,185	-1,201	-1,1925
6-5-15 11:20	0,99	603,83	603,77	603,53	-7,350	-7,310	-7,410	-1,203	-1,196	-1,213	-1,2039
6-5-15 11:50	1,01	603,75	603,70	603,46	-7,430	-7,380	-7,480	-1,216	-1,208	-1,224	-1,2159
6-5-15 12:20	1,03	603,70	603,65	603,41	-7,480	-7,430	-7,530	-1,224	-1,216	-1,233	-1,2241
6-5-15 12:50	1,05	603,63	603,58	603,34	-7,550	-7,500	-7,600	-1,235	-1,227	-1,244	-1,2355
6-5-15 13:20	1,07	603,56	603,51	603,27	-7,620	-7,570	-7,670	-1,247	-1,239	-1,255	-1,2470
6-5-15 13:50	1,09	603,50	603,45	603,22	-7,680	-7,630	-7,720	-1,257	-1,249	-1,264	-1,2563
6-5-15 14:20	1,11	603,45	603,40	603,17	-7,730	-7,680	-7,770	-1,265	-1,257	-1,272	-1,2645
6-5-15 14:50	1,13	603,38	603,33	603,10	-7,800	-7,750	-7,840	-1,276	-1,268	-1,283	-1,2759
6-5-15 15:20	1,15	603,33	603,29	603,05	-7,850	-7,790	-7,890	-1,284	-1,275	-1,291	-1,2835
6-5-15 15:50	1,17	603,28	603,23	603,01	-7,900	-7,850	-7,930	-1,293	-1,285	-1,298	-1,2917
6-5-15 16:20	1,19	603,24	603,19	602,96	-7,940	-7,890	-7,980	-1,299	-1,291	-1,306	-1,2988
7-5-15 10:15	1,94	601,88	601,81	601,57	-9,300	-9,270	-9,370	-1,522	-1,517	-1,534	-1,5241
7-5-15 11:15	1,98	601,82	601,74	601,50	-9,360	-9,340	-9,440	-1,531	-1,528	-1,545	-1,5350
7-5-15 12:15	2,02	601,75	601,68	601,44	-9,430	-9,400	-9,500	-1,543	-1,538	-1,555	-1,5454
7-5-15 13:15	2,07	601,69	601,61	601,37	-9,490	-9,470	-9,570	-1,553	-1,550	-1,566	-1,5563
7-5-15 14:15	2,11	601,64	601,57	601,33	-9,540	-9,510	-9,610	-1,561	-1,556	-1,573	-1,5634
7-5-15 15:15	2,15	601,57	601,50	601,26	-9,610	-9,580	-9,680	-1,572	-1,568	-1,584	-1,5748
11-5-15 14:45	6,13	598,64	598,59	598,35	-12,540	-12,490	-12,590	-2,052	-2,044	-2,061	-2,0521
11-5-15 16:45	6,21	598,59	598,54	598,30	-12,590	-12,540	-12,640	-2,060	-2,052	-2,069	-2,0603
12-5-15 10:15	6,94	598,31	598,26	598,02	-12,870	-12,820	-12,920	-2,106	-2,098	-2,115	-2,1062

12-5-15 12:15	7,02	598,28	598,23	598,00	-12,900	-12,850	-12,940	-2,111	-2,103	-2,118	-2,1105
12-5-15 14:15	7,11	598,24	598,20	597,95	-12,940	-12,880	-12,990	-2,117	-2,108	-2,126	-2,1171
12-5-15 16:15	7,19	598,22	598,18	597,92	-12,960	-12,900	-13,020	-2,120	-2,111	-2,131	-2,1209
13-5-15 10:00	7,93	597,97	597,93	597,68	-13,210	-13,150	-13,260	-2,161	-2,152	-2,170	-2,1612
13-5-15 12:00	8,01	597,94	597,90	597,66	-13,240	-13,180	-13,280	-2,166	-2,157	-2,174	-2,1656
13-5-15 14:00	8,10	597,92	597,88	597,63	-13,260	-13,200	-13,310	-2,170	-2,160	-2,179	-2,1694
14-5-15 8:45	8,88	597,71	597,67	597,43	-13,470	-13,410	-13,510	-2,204	-2,194	-2,211	-2,2033
14-5-15 10:45	8,96	597,69	597,64	597,40	-13,490	-13,440	-13,540	-2,207	-2,199	-2,216	-2,2076
14-5-15 12:45	9,05	597,67	597,63	597,38	-13,510	-13,450	-13,560	-2,210	-2,201	-2,220	-2,2103
15-5-15 9:00	9,89	597,47	597,43	597,18	-13,710	-13,650	-13,760	-2,243	-2,234	-2,252	-2,2431
15-5-15 11:00	9,97	597,45	597,41	597,16	-13,730	-13,670	-13,780	-2,246	-2,237	-2,256	-2,2463
15-5-15 13:30	10,08	597,43	597,40	597,14	-13,750	-13,680	-13,800	-2,250	-2,239	-2,259	-2,2491
18-5-15 8:50	12,88	596,92	596,88	596,63	-14,260	-14,200	-14,310	-2,333	-2,324	-2,342	-2,3331
18-5-15 15:50	13,17	596,86	596,83	596,59	-14,320	-14,250	-14,350	-2,343	-2,332	-2,349	-2,3413
19-5-15 12:15	14,02	596,75	596,73	596,48	-14,430	-14,350	-14,460	-2,361	-2,348	-2,367	-2,3587
19-5-15 14:10	14,10	596,74	596,71	596,46	-14,440	-14,370	-14,480	-2,363	-2,352	-2,370	-2,3614
19-5-15 16:10	14,19	596,74	596,72	596,47	-14,440	-14,360	-14,470	-2,363	-2,350	-2,368	-2,3604
20-5-15 11:05	14,98	596,66	596,63	596,38	-14,520	-14,450	-14,560	-2,376	-2,365	-2,383	-2,3745
20-5-15 13:05	15,06	596,66	596,62	596,37	-14,520	-14,460	-14,570	-2,376	-2,366	-2,385	-2,3756
21-5-15 10:00	15,93	596,57	596,56	596,30	-14,610	-14,520	-14,640	-2,390	-2,376	-2,396	-2,3876
21-5-15 12:00	16,01	596,56	596,55	596,29	-14,620	-14,530	-14,650	-2,392	-2,378	-2,398	-2,3893
21-5-15 14:00	16,10	596,56	596,54	596,29	-14,620	-14,540	-14,650	-2,392	-2,379	-2,398	-2,3898
25-5-15 8:50	19,88	596,18	596,15	595,92	-15,000	-14,930	-15,020	-2,454	-2,443	-2,459	-2,4520
25-5-15 12:40	20,04	596,15	596,13	595,89	-15,030	-14,950	-15,050	-2,459	-2,446	-2,463	-2,4564
26-5-15 10:30	20,95	596,08	596,06	595,82	-15,100	-15,020	-15,120	-2,471	-2,458	-2,475	-2,4678
26-5-15 12:35	21,04	596,07	596,06	595,81	-15,110	-15,020	-15,130	-2,472	-2,458	-2,477	-2,4689
26-5-15 15:15	21,15	596,07	596,06	595,80	-15,110	-15,020	-15,140	-2,472	-2,458	-2,478	-2,4695
27-5-15 11:00	21,97	596,00	595,99	595,73	-15,180	-15,090	-15,210	-2,484	-2,469	-2,490	-2,4809
27-5-15 13:00	22,06	596,00	595,99	595,73	-15,180	-15,090	-15,210	-2,484	-2,469	-2,490	-2,4809
27-5-15 15:00	22,14	595,99	595,97	595,72	-15,190	-15,110	-15,220	-2,485	-2,473	-2,491	-2,4831
28-5-15 10:55	22,97	595,94	595,92	595,67	-15,240	-15,160	-15,270	-2,494	-2,481	-2,499	-2,4913
28-5-15 12:55	23,05	595,92	595,91	595,66	-15,260	-15,170	-15,280	-2,497	-2,482	-2,501	-2,4935
28-5-15 14:55	23,14	595,92	595,90	595,66	-15,260	-15,180	-15,280	-2,497	-2,484	-2,501	-2,4940
29-5-15 11:45	24,00	595,87	595,86	595,60	-15,310	-15,220	-15,340	-2,505	-2,491	-2,511	-2,5022
29-5-15 13:50	24,09	595,86	595,85	595,59	-15,320	-15,230	-15,350	-2,507	-2,492	-2,513	-2,5038
29-5-15 15:50	24,17	595,86	595,84	595,59	-15,320	-15,240	-15,350	-2,507	-2,494	-2,513	-2,5044
3-6-15 10:35	28,95	595,58	595,57	595,31	-15,600	-15,510	-15,630	-2,552	-2,538	-2,558	-2,5496

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:20	0,00	596,62	601,34	606,02	0,000	0,000	0,000	0,000	0,000	0,000	0,0000 €
19-5-15 12:50	0,02	596,25	600,92	605,63	-0,370	-0,420	-0,390	-0,062	-0,070	-0,064	-0,0654 €
19-5-15 13:25	0,05	595,65	600,31	605,02	-0,970	-1,030	-1,000	-0,163	-0,171	-0,165	-0,1663 €
19-5-15 13:50	0,06	595,31	599,97	604,70	-1,310	-1,370	-1,320	-0,220	-0,228	-0,218	-0,2217 €
19-5-15 14:30	0,09	594,82	599,47	604,22	-1,800	-1,870	-1,800	-0,302	-0,311	-0,297	-0,3032 €
19-5-15 14:50	0,10	594,53	599,22	603,95	-2,090	-2,120	-2,070	-0,350	-0,353	-0,342	-0,3481 €
19-5-15 15:20	0,13	594,07	598,77	603,51	-2,550	-2,570	-2,510	-0,427	-0,427	-0,414	-0,4230 €
19-5-15 15:50	0,15	593,91	598,59	603,33	-2,710	-2,750	-2,690	-0,454	-0,457	-0,444	-0,4518 €
19-5-15 16:20	0,17	593,56	598,23	602,99	-3,060	-3,110	-3,030	-0,513	-0,517	-0,500	-0,5100 €
20-5-15 11:20	0,96	588,45	593,05	597,86	-8,170	-8,290	-8,160	-1,369	-1,379	-1,346	-1,3648 €
20-5-15 11:55	0,98	588,38	592,96	597,77	-8,240	-8,380	-8,250	-1,381	-1,394	-1,361	-1,3787 €
20-5-15 12:20	1,00	588,31	592,89	597,69	-8,310	-8,450	-8,330	-1,393	-1,405	-1,375	-1,3909 €
20-5-15 12:45	1,02	588,24	592,82	597,62	-8,380	-8,520	-8,400	-1,405	-1,417	-1,386	-1,4025 €
20-5-15 13:15	1,04	588,14	592,73	597,53	-8,480	-8,610	-8,490	-1,421	-1,432	-1,401	-1,4180 €
20-5-15 14:15	1,08	588,01	592,59	597,39	-8,610	-8,750	-8,630	-1,443	-1,455	-1,424	-1,4408 €
20-5-15 14:45	1,10	587,93	592,51	597,32	-8,690	-8,830	-8,700	-1,457	-1,468	-1,436	-1,4535 €
20-5-15 15:15	1,12	587,85	592,43	597,23	-8,770	-8,910	-8,790	-1,470	-1,482	-1,450	-1,4674 €
21-5-15 10:15	1,91	586,55	591,65	596,43	-10,070	-9,690	-9,590	-1,688	-1,611	-1,582	-1,6272 €
21-5-15 11:15	1,95	586,51	591,59	596,38	-10,110	-9,750	-9,640	-1,695	-1,621	-1,591	-1,6355 €
21-5-15 12:15	2,00	586,48	591,54	596,35	-10,140	-9,800	-9,670	-1,700	-1,630	-1,596	-1,6416 €
21-5-15 13:15	2,04	586,42	591,50	596,32	-10,200	-9,840	-9,700	-1,710	-1,636	-1,601	-1,6489 €
25-5-15 9:10	5,87	581,77	586,32	591,11	-14,850	-15,020	-14,910	-2,489	-2,498	-2,460	-2,4824 €
25-5-15 13:05	6,03	581,68	586,21	591,01	-14,940	-15,130	-15,010	-2,504	-2,516	-2,477	-2,4990 €
26-5-15 11:35	6,97	581,24	585,78	590,56	-15,380	-15,560	-15,460	-2,578	-2,588	-2,551	-2,5722 €
26-5-15 14:20	7,08	581,20	585,73	590,53	-15,420	-15,610	-15,490	-2,585	-2,596	-2,556	-2,5788 €
26-5-15 16:05	7,16	581,15	585,69	590,48	-15,470	-15,650	-15,540	-2,593	-2,603	-2,564	-2,5866 €
27-5-15 10:30	7,92	580,85	585,38	590,17	-15,770	-15,960	-15,850	-2,643	-2,654	-2,615	-2,6376 €
27-5-15 12:30	8,01	580,82	585,35	590,14	-15,800	-15,990	-15,880	-2,648	-2,659	-2,620	-2,6426 €
27-5-15 15:30	8,13	580,78	585,31	590,10	-15,840	-16,030	-15,920	-2,655	-2,666	-2,627	-2,6492 €
28-5-15 10:00	8,90	580,52	585,04	589,83	-16,100	-16,300	-16,190	-2,699	-2,711	-2,672	-2,6936 €
28-5-15 12:00	8,99	580,49	585,02	589,80	-16,130	-16,320	-16,220	-2,704	-2,714	-2,676	-2,6980 €
28-5-15 14:00	9,07	580,46	584,99	589,77	-16,160	-16,350	-16,250	-2,709	-2,719	-2,681	-2,7030 €
29-5-15 11:20	9,96	580,22	584,75	589,53	-16,400	-16,590	-16,490	-2,749	-2,759	-2,721	-2,7429 €
29-5-15 13:30	10,05	580,18	584,71	589,48	-16,440	-16,630	-16,540	-2,756	-2,765	-2,729	-2,7501 €
29-5-15 15:30	10,13	580,16	584,69	589,45	-16,460	-16,650	-16,570	-2,759	-2,769	-2,734	-2,7540 €
3-6-15 10:15	14,91	579,22	583,74	588,49	-17,400	-17,600	-17,530	-2,916	-2,927	-2,893	-2,9120 €
3-6-15 12:25	15,00	579,19	583,72	588,47	-17,430	-17,620	-17,550	-2,921	-2,930	-2,896	-2,9158 €

3-6-15 14:20	15,08	579,18	583,71	588,46	-17,440	-17,630	-17,560	-2,923	-2,932	-2,898	-2,9175 €
4-6-15 10:30	15,92	579,08	583,61	588,36	-17,540	-17,730	-17,660	-2,940	-2,948	-2,914	-2,9341 €
4-6-15 12:30	16,01	579,05	583,57	588,33	-17,570	-17,770	-17,690	-2,945	-2,955	-2,919	-2,9397 €
4-6-15 15:30	16,13	579,03	583,56	588,31	-17,590	-17,780	-17,710	-2,948	-2,957	-2,922	-2,9425 €
5-6-15 10:45	16,93	578,97	583,49	588,24	-17,650	-17,850	-17,780	-2,958	-2,968	-2,934	-2,9535 €
5-6-15 12:25	17,00	578,93	583,45	588,20	-17,690	-17,890	-17,820	-2,965	-2,975	-2,940	-2,9602 €
8-6-15 8:10	19,83	578,64	583,16	587,91	-17,980	-18,180	-18,110	-3,014	-3,023	-2,988	-3,0084 €
8-6-15 14:55	20,11	578,62	583,12	587,88	-18,000	-18,220	-18,140	-3,017	-3,030	-2,993	-3,0134 €
9-6-15 8:20	20,83	578,56	583,07	587,82	-18,060	-18,270	-18,200	-3,027	-3,038	-3,003	-3,0228 €
9-6-15 15:20	21,13	578,52	583,04	587,78	-18,100	-18,300	-18,240	-3,034	-3,043	-3,010	-3,0289 €
10-6-15 11:15	21,95	578,47	582,98	587,71	-18,150	-18,360	-18,310	-3,042	-3,053	-3,021	-3,0389 €
10-6-15 14:45	22,10	578,45	582,97	587,70	-18,170	-18,370	-18,320	-3,045	-3,055	-3,023	-3,0411 €
11-6-15 15:30	23,13	578,33	582,85	587,59	-18,290	-18,490	-18,430	-3,066	-3,075	-3,041	-3,0605 €
12-6-15 10:05	23,91	578,26	582,78	587,52	-18,360	-18,560	-18,500	-3,077	-3,086	-3,053	-3,0722 €
12-6-15 15:20	24,13	578,25	582,77	587,50	-18,370	-18,570	-18,520	-3,079	-3,088	-3,056	-3,0744 €
15-6-15 10:50	26,94	578,05	582,57	587,29	-18,570	-18,770	-18,730	-3,113	-3,121	-3,091	-3,1082 €
16-6-15 15:00	28,11	577,96	582,49	587,21	-18,660	-18,850	-18,810	-3,128	-3,135	-3,104	-3,1220 €

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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:25	0,00	614,95	614,46	621,69	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
19-5-15 12:55	0,02	614,70	614,19	621,40	-0,250	-0,270	-0,290	-0,041	-0,044	-0,047	-0,0437
19-5-15 13:25	0,04	614,43	613,90	621,11	-0,520	-0,560	-0,580	-0,085	-0,091	-0,093	-0,0897
19-5-15 13:55	0,06	614,17	613,66	620,86	-0,780	-0,800	-0,830	-0,127	-0,130	-0,134	-0,1302
19-5-15 14:30	0,09	613,94	613,40	620,63	-1,010	-1,060	-1,060	-0,164	-0,173	-0,171	-0,1691
19-5-15 14:55	0,10	613,68	613,20	620,44	-1,270	-1,260	-1,250	-0,207	-0,205	-0,201	-0,2042
19-5-15 15:25	0,13	613,46	613,00	620,25	-1,490	-1,460	-1,440	-0,242	-0,238	-0,232	-0,2372
19-5-15 15:55	0,15	613,34	612,85	620,11	-1,610	-1,610	-1,580	-0,262	-0,262	-0,254	-0,2593
19-5-15 16:25	0,17	613,09	612,59	619,89	-1,860	-1,870	-1,800	-0,302	-0,304	-0,290	-0,2988
20-5-15 11:30	0,96	609,98	609,53	616,83	-4,970	-4,930	-4,860	-0,808	-0,802	-0,782	-0,7974
20-5-15 12:00	0,98	609,83	609,46	616,77	-5,120	-5,000	-4,920	-0,833	-0,814	-0,791	-0,8126
20-5-15 12:25	1,00	609,79	609,41	616,72	-5,160	-5,050	-4,970	-0,839	-0,822	-0,799	-0,8201
20-5-15 12:55	1,02	609,75	609,37	616,68	-5,200	-5,090	-5,010	-0,846	-0,828	-0,806	-0,8266
20-5-15 13:25	1,04	609,69	609,32	616,63	-5,260	-5,140	-5,060	-0,855	-0,837	-0,814	-0,8353
20-5-15 14:25	1,08	609,56	609,20	616,52	-5,390	-5,260	-5,170	-0,876	-0,856	-0,832	-0,8547
20-5-15 14:55	1,10	609,52	609,16	616,48	-5,430	-5,300	-5,210	-0,883	-0,863	-0,838	-0,8612
20-5-15 15:25	1,13	609,48	609,12	616,44	-5,470	-5,340	-5,250	-0,890	-0,869	-0,844	-0,8677
21-5-15 10:15	1,91	608,34	608,09	615,40	-6,610	-6,370	-6,290	-1,075	-1,037	-1,012	-1,0411

21-5-15 11:15	1,95	608,29	608,07	615,38	-6,660	-6,390	-6,310	-1,083	-1,040	-1,015	-1,0460
21-5-15 12:15	1,99	608,26	608,04	615,34	-6,690	-6,420	-6,350	-1,088	-1,045	-1,021	-1,0514
25-5-15 9:10	5,86	605,56	605,20	612,40	-9,390	-9,260	-9,290	-1,527	-1,507	-1,494	-1,5094
25-5-15 13:00	6,02	605,45	605,13	612,34	-9,500	-9,330	-9,350	-1,545	-1,518	-1,504	-1,5224
25-5-15 14:00	6,07	605,38	605,07	612,29	-9,570	-9,390	-9,400	-1,556	-1,528	-1,512	-1,5321
26-5-15 11:25	6,96	605,15	604,82	612,03	-9,800	-9,640	-9,660	-1,594	-1,569	-1,554	-1,5721
26-5-15 14:15	7,08	605,10	604,77	611,99	-9,850	-9,690	-9,700	-1,602	-1,577	-1,560	-1,5797
26-5-15 16:05	7,15	605,07	604,73	611,95	-9,880	-9,730	-9,740	-1,607	-1,584	-1,567	-1,5856
27-5-15 10:40	7,93	604,87	604,54	611,79	-10,080	-9,920	-9,900	-1,639	-1,614	-1,592	-1,6153
27-5-15 12:40	8,01	604,84	604,51	611,76	-10,110	-9,950	-9,930	-1,644	-1,619	-1,597	-1,6202
27-5-15 14:40	8,09	604,81	604,48	611,73	-10,140	-9,980	-9,960	-1,649	-1,624	-1,602	-1,6251
28-5-15 10:40	8,93	604,59	604,27	611,51	-10,360	-10,190	-10,180	-1,685	-1,658	-1,637	-1,6602
28-5-15 12:40	9,01	604,57	604,24	611,48	-10,380	-10,220	-10,210	-1,688	-1,663	-1,642	-1,6645
28-5-15 14:40	9,09	604,56	604,15	611,46	-10,390	-10,310	-10,230	-1,690	-1,678	-1,646	-1,6710
29-5-15 11:30	9,96	604,38	603,97	611,28	-10,570	-10,490	-10,410	-1,719	-1,707	-1,674	-1,7002
29-5-15 13:40	10,05	604,35	603,94	611,25	-10,600	-10,520	-10,440	-1,724	-1,712	-1,679	-1,7050
29-5-15 15:40	10,14	604,34	603,93	611,25	-10,610	-10,530	-10,440	-1,725	-1,714	-1,679	-1,7061
3-6-15 10:25	14,92	603,57	603,17	610,48	-11,380	-11,290	-11,210	-1,851	-1,837	-1,803	-1,8304
3-6-15 12:35	15,01	603,57	603,16	610,47	-11,380	-11,300	-11,220	-1,851	-1,839	-1,805	-1,8314
3-6-15 14:25	15,08	603,56	603,16	610,47	-11,390	-11,300	-11,220	-1,852	-1,839	-1,805	-1,8320
4-6-15 10:40	15,93	603,47	603,06	610,36	-11,480	-11,400	-11,330	-1,867	-1,855	-1,822	-1,8482
4-6-15 12:40	16,01	603,45	603,05	610,35	-11,500	-11,410	-11,340	-1,870	-1,857	-1,824	-1,8503
4-6-15 15:40	16,14	603,44	603,03	610,34	-11,510	-11,430	-11,350	-1,872	-1,860	-1,826	-1,8525
5-6-15 10:55	16,94	603,38	602,98	610,28	-11,570	-11,480	-11,410	-1,881	-1,868	-1,835	-1,8617
5-6-15 14:30	17,09	603,47	602,94	610,24	-11,480	-11,520	-11,450	-1,867	-1,875	-1,842	-1,8611
8-6-15 8:20	19,83	603,09	602,70	609,99	-11,860	-11,760	-11,700	-1,929	-1,914	-1,882	-1,9082
8-6-15 15:05	20,11	603,09	602,69	609,99	-11,860	-11,770	-11,700	-1,929	-1,916	-1,882	-1,9087
9-6-15 8:30	20,84	603,05	602,66	609,95	-11,900	-11,800	-11,740	-1,935	-1,920	-1,888	-1,9146
9-6-15 15:30	21,13	603,02	602,63	609,92	-11,930	-11,830	-11,770	-1,940	-1,925	-1,893	-1,9195
10-6-15 11:25	21,96	602,96	602,57	609,88	-11,990	-11,890	-11,810	-1,950	-1,935	-1,900	-1,9281
10-6-15 14:55	22,10	602,95	602,56	609,86	-12,000	-11,900	-11,830	-1,951	-1,937	-1,903	-1,9303
11-6-15 15:40	23,14	602,87	602,47	609,77	-12,080	-11,990	-11,920	-1,964	-1,951	-1,917	-1,9443
12-6-15 10:15	23,91	602,82	602,43	609,72	-12,130	-12,030	-11,970	-1,973	-1,958	-1,925	-1,9519
12-6-15 15:30	24,13	602,80	602,41	609,70	-12,150	-12,050	-11,990	-1,976	-1,961	-1,929	-1,9552
15-6-15 11:00	26,94	602,63	602,24	609,53	-12,320	-12,220	-12,160	-2,003	-1,989	-1,956	-1,9827
16-6-15 15:05	28,11	602,57	602,18	609,46	-12,380	-12,280	-12,230	-2,013	-1,999	-1,967	-1,9930

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:25	0,00	599,89	594,23	601,30	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
9-6-15 12:05	0,03	599,36	593,70	600,77	-0,530	-0,530	-0,530	-0,088	-0,089	-0,088	-0,0886
9-6-15 13:20	0,08	598,85	593,17	600,28	-1,040	-1,060	-1,020	-0,173	-0,178	-0,170	-0,1738
9-6-15 13:55	0,10	598,56	592,87	600,05	-1,330	-1,360	-1,250	-0,222	-0,229	-0,208	-0,2195
9-6-15 14:25	0,13	598,40	592,72	599,88	-1,490	-1,510	-1,420	-0,248	-0,254	-0,236	-0,2462
9-6-15 15:05	0,15	598,22	592,53	599,70	-1,670	-1,700	-1,600	-0,278	-0,286	-0,266	-0,2769
9-6-15 15:40	0,18	598,06	592,36	599,56	-1,830	-1,870	-1,740	-0,305	-0,315	-0,289	-0,3030
10-6-15 10:55	0,98	595,74	589,96	597,23	-4,150	-4,270	-4,070	-0,692	-0,719	-0,677	-0,6957
10-6-15 11:35	1,01	595,67	589,88	597,10	-4,220	-4,350	-4,200	-0,703	-0,732	-0,698	-0,7113
10-6-15 12:15	1,03	595,62	589,79	597,04	-4,270	-4,440	-4,260	-0,712	-0,747	-0,708	-0,7225
10-6-15 12:55	1,06	595,55	589,73	596,98	-4,340	-4,500	-4,320	-0,723	-0,757	-0,718	-0,7331
10-6-15 13:45	1,10	595,49	589,65	596,92	-4,400	-4,580	-4,380	-0,733	-0,771	-0,728	-0,7442
10-6-15 14:25	1,13	595,43	589,62	596,87	-4,460	-4,610	-4,430	-0,743	-0,776	-0,737	-0,7520
10-6-15 15:10	1,16	595,38	589,57	596,85	-4,510	-4,660	-4,450	-0,752	-0,784	-0,740	-0,7587
11-6-15 15:10	2,16	594,10	588,34	595,56	-5,790	-5,890	-5,740	-0,965	-0,991	-0,955	-0,9703
11-6-15 15:55	2,19	594,01	588,29	595,51	-5,880	-5,940	-5,790	-0,980	-1,000	-0,963	-0,9809
12-6-15 9:50	2,93	593,36	587,62	594,86	-6,530	-6,610	-6,440	-1,089	-1,112	-1,071	-1,0906
12-6-15 10:40	2,97	593,33	587,57	594,83	-6,560	-6,660	-6,470	-1,094	-1,121	-1,076	-1,0968
12-6-15 13:50	3,10	593,22	587,46	594,73	-6,670	-6,770	-6,570	-1,112	-1,139	-1,093	-1,1146
12-6-15 15:10	3,16	593,18	587,41	594,70	-6,710	-6,820	-6,600	-1,119	-1,148	-1,098	-1,1213
15-6-15 10:35	5,97	591,80	586,02	593,31	-8,090	-8,210	-7,990	-1,349	-1,382	-1,329	-1,3530
15-6-15 13:05	6,07	591,74	585,96	593,25	-8,150	-8,270	-8,050	-1,359	-1,392	-1,339	-1,3630
15-6-15 15:45	6,18	591,70	585,91	593,21	-8,190	-8,320	-8,090	-1,365	-1,400	-1,345	-1,3703
16-6-15 9:45	6,93	591,46	585,66	592,97	-8,430	-8,570	-8,330	-1,405	-1,442	-1,385	-1,4109
16-6-15 15:20	7,16	591,38	585,53	592,86	-8,510	-8,700	-8,440	-1,419	-1,464	-1,404	-1,4288
17-6-15 9:55	7,94	591,15	585,32	592,63	-8,740	-8,910	-8,670	-1,457	-1,499	-1,442	-1,4661
17-6-15 14:15	8,12	591,12	585,27	592,59	-8,770	-8,960	-8,710	-1,462	-1,508	-1,449	-1,4728
22-6-15 12:20	13,04	590,24	584,40	591,71	-9,650	-9,830	-9,590	-1,609	-1,654	-1,595	-1,6192
23-6-15 10:10	13,95	590,12	584,28	591,59	-9,770	-9,950	-9,710	-1,629	-1,674	-1,615	-1,6393
23-6-15 15:45	14,18	590,07	584,23	591,54	-9,820	-10,000	-9,760	-1,637	-1,683	-1,623	-1,6477
24-6-15 10:25	14,96	589,99	584,14	591,46	-9,900	-10,090	-9,840	-1,650	-1,698	-1,636	-1,6616
24-6-15 15:40	15,18	589,96	584,07	591,41	-9,930	-10,160	-9,890	-1,655	-1,710	-1,645	-1,6699
25-6-15 12:10	16,03	589,99	584,16	591,49	-9,900	-10,070	-9,810	-1,650	-1,695	-1,631	-1,6588
26-6-15 10:15	16,95	590,08	584,25	591,54	-9,810	-9,980	-9,760	-1,635	-1,679	-1,623	-1,6460
26-6-15 15:25	17,17	590,06	584,24	591,54	-9,830	-9,990	-9,760	-1,639	-1,681	-1,623	-1,6477
29-6-15 9:40	19,93	590,27	584,41	591,72	-9,620	-9,820	-9,580	-1,604	-1,653	-1,593	-1,6165
29-6-15 14:50	20,14	590,27	584,42	591,73	-9,620	-9,810	-9,570	-1,604	-1,651	-1,592	-1,6154
30-6-15 10:25	20,96	590,32	584,48	591,77	-9,570	-9,750	-9,530	-1,595	-1,641	-1,585	-1,6070

30-6-15 15:00	21,15	590,32	584,47	591,78	-9,570	-9,760	-9,520	-1,595	-1,642	-1,583	-1,6070
1-7-15 9:55	21,94	590,34	584,50	591,80	-9,550	-9,730	-9,500	-1,592	-1,637	-1,580	-1,6031
1-7-15 13:55	22,10	590,35	584,51	591,82	-9,540	-9,720	-9,480	-1,590	-1,636	-1,577	-1,6009
2-7-15 9:55	22,94	590,38	584,53	591,87	-9,510	-9,700	-9,430	-1,585	-1,632	-1,568	-1,5953
2-7-15 15:15	23,16	590,40	584,55	591,88	-9,490	-9,680	-9,420	-1,582	-1,629	-1,567	-1,5925
3-7-15 8:40	23,89	590,43	584,60	591,91	-9,460	-9,630	-9,390	-1,577	-1,621	-1,562	-1,5864
6-7-15 9:45	26,93	590,57	584,72	592,05	-9,320	-9,510	-9,250	-1,554	-1,600	-1,538	-1,5641
6-7-15 15:35	27,17	590,59	584,74	592,06	-9,300	-9,490	-9,240	-1,550	-1,597	-1,537	-1,5613
7-7-15 11:00	27,98	590,64	584,80	592,10	-9,250	-9,430	-9,200	-1,542	-1,587	-1,530	-1,5530
7-7-15 15:30	28,17	590,66	584,82	592,11	-9,230	-9,410	-9,190	-1,539	-1,584	-1,528	-1,5502

SIS+EUC	DRY
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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:45	0,00	588,06	591,93	585,35	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
26-5-15 12:15	0,02	587,68	591,58	584,88	-0,380	-0,350	-0,470	-0,065	-0,059	-0,080	-0,0680
26-5-15 12:45	0,04	587,17	591,11	584,52	-0,890	-0,820	-0,830	-0,151	-0,139	-0,142	-0,1439
26-5-15 13:55	0,09	586,54	590,23	584,92	-1,520	-1,700	-0,430	-0,258	-0,287	-0,073	-0,2064
26-5-15 14:25	0,11	586,15	589,92	583,52	-1,910	-2,010	-1,830	-0,325	-0,340	-0,313	-0,3257
26-5-15 14:55	0,13	585,87	589,65	583,30	-2,190	-2,280	-2,050	-0,372	-0,385	-0,350	-0,3693
26-5-15 15:25	0,15	585,55	589,41	583,00	-2,510	-2,520	-2,350	-0,427	-0,426	-0,401	-0,4180
26-5-15 15:55	0,17	585,37	589,14	582,75	-2,690	-2,790	-2,600	-0,457	-0,471	-0,444	-0,4577
26-5-15 16:25	0,19	585,08	588,80	582,43	-2,980	-3,130	-2,920	-0,507	-0,529	-0,499	-0,5115
27-5-15 10:20	0,94	580,29	584,72	578,39	-7,770	-7,210	-6,960	-1,321	-1,218	-1,189	-1,2428
27-5-15 10:50	0,96	580,20	584,63	578,29	-7,860	-7,300	-7,060	-1,337	-1,233	-1,206	-1,2587
27-5-15 11:20	0,98	580,13	584,55	578,18	-7,930	-7,380	-7,170	-1,349	-1,247	-1,225	-1,2734
27-5-15 11:50	1,00	580,03	584,45	578,08	-8,030	-7,480	-7,270	-1,366	-1,264	-1,242	-1,2904
27-5-15 12:20	1,02	579,95	584,35	577,90	-8,110	-7,580	-7,450	-1,379	-1,281	-1,273	-1,3108
27-5-15 12:50	1,05	579,87	584,26	577,81	-8,190	-7,670	-7,540	-1,393	-1,296	-1,288	-1,3255
27-5-15 13:20	1,07	579,80	584,18	577,69	-8,260	-7,750	-7,660	-1,405	-1,309	-1,309	-1,3408
27-5-15 14:20	1,11	579,74	584,04	577,57	-8,320	-7,890	-7,780	-1,415	-1,333	-1,329	-1,3590
27-5-15 14:50	1,13	579,68	583,98	577,47	-8,380	-7,950	-7,880	-1,425	-1,343	-1,346	-1,3714
27-5-15 15:20	1,15	579,57	583,85	577,47	-8,490	-8,080	-7,880	-1,444	-1,365	-1,346	-1,3850
27-5-15 15:50	1,17	579,51	583,78	577,40	-8,550	-8,150	-7,950	-1,454	-1,377	-1,358	-1,3963
28-5-15 10:20	1,94	577,59	581,80	575,48	-10,470	-10,130	-9,870	-1,780	-1,711	-1,686	-1,7260
28-5-15 11:20	1,98	577,53	581,71	575,40	-10,530	-10,220	-9,950	-1,791	-1,727	-1,700	-1,7390
28-5-15 12:20	2,02	577,46	581,62	575,31	-10,600	-10,310	-10,040	-1,803	-1,742	-1,715	-1,7532
28-5-15 13:20	2,07	577,37	581,20	575,22	-10,690	-10,730	-10,130	-1,818	-1,813	-1,731	-1,7870
28-5-15 14:20	2,11	577,26	581,42	575,12	-10,800	-10,510	-10,230	-1,837	-1,776	-1,748	-1,7866
28-5-15 15:20	2,15	577,22	581,35	575,05	-10,840	-10,580	-10,300	-1,843	-1,787	-1,760	-1,7968
29-5-15 11:10	2,98	576,14	580,20	573,77	-11,920	-11,730	-11,580	-2,027	-1,982	-1,978	-1,9957

29-5-15 13:20	3,07	576,04	580,05	573,68	-12,020	-11,880	-11,670	-2,044	-2,007	-1,994	-2,0149
29-5-15 15:20	3,15	575,93	579,95	573,59	-12,130	-11,980	-11,760	-2,063	-2,024	-2,009	-2,0319
3-6-15 10:05	7,93	572,80	576,65	570,49	-15,260	-15,280	-14,860	-2,595	-2,581	-2,539	-2,5717
3-6-15 12:15	8,02	572,77	576,62	570,46	-15,290	-15,310	-14,890	-2,600	-2,586	-2,544	-2,5768
3-6-15 14:10	8,10	572,74	576,58	570,42	-15,320	-15,350	-14,930	-2,605	-2,593	-2,551	-2,5830
4-6-15 10:20	8,94	572,42	576,32	570,15	-15,640	-15,610	-15,200	-2,660	-2,637	-2,597	-2,6312
4-6-15 12:20	9,02	572,39	576,29	570,12	-15,670	-15,640	-15,230	-2,665	-2,642	-2,602	-2,6363
4-6-15 15:20	9,15	572,36	576,24	570,07	-15,700	-15,690	-15,280	-2,670	-2,651	-2,610	-2,6436
5-6-15 10:35	9,95	572,13	576,02	569,84	-15,930	-15,910	-15,510	-2,709	-2,688	-2,650	-2,6821
5-6-15 14:15	10,10	572,10	575,96	569,80	-15,960	-15,970	-15,550	-2,714	-2,698	-2,657	-2,6895
8-6-15 8:00	12,84	571,45	575,30	569,14	-16,610	-16,630	-16,210	-2,825	-2,809	-2,769	-2,8011
8-6-15 14:45	13,13	571,41	575,25	569,10	-16,650	-16,680	-16,250	-2,831	-2,818	-2,776	-2,8085
9-6-15 8:10	13,85	571,27	575,13	568,96	-16,790	-16,800	-16,390	-2,855	-2,838	-2,800	-2,8311
9-6-15 15:10	14,14	571,22	575,07	568,91	-16,840	-16,860	-16,440	-2,864	-2,848	-2,809	-2,8402
10-6-15 11:05	14,97	571,08	574,93	568,75	-16,980	-17,000	-16,600	-2,887	-2,872	-2,836	-2,8651
10-6-15 14:35	15,12	571,06	574,92	568,75	-17,000	-17,010	-16,600	-2,891	-2,874	-2,836	-2,8668
11-6-15 15:20	16,15	570,87	574,73	568,54	-17,190	-17,200	-16,810	-2,923	-2,906	-2,872	-2,9002
12-6-15 9:55	16,92	570,73	574,58	568,39	-17,330	-17,350	-16,960	-2,947	-2,931	-2,897	-2,9252
12-6-15 15:15	17,15	570,70	574,55	568,38	-17,360	-17,380	-16,970	-2,952	-2,936	-2,899	-2,9291
15-6-15 10:40	19,95	570,30	574,17	567,98	-17,760	-17,760	-17,370	-3,020	-3,000	-2,967	-2,9960
15-6-15 15:50	20,17	570,27	574,13	567,94	-17,790	-17,800	-17,410	-3,025	-3,007	-2,974	-3,0022
16-6-15 9:50	20,92	570,19	574,05	567,85	-17,870	-17,880	-17,500	-3,039	-3,021	-2,990	-3,0164
16-6-15 15:25	21,15	570,16	574,02	567,83	-17,900	-17,910	-17,520	-3,044	-3,026	-2,993	-3,0209
17-6-15 10:00	21,93	570,07	573,92	567,74	-17,990	-18,010	-17,610	-3,059	-3,043	-3,008	-3,0368
17-6-15 14:20	22,11	570,06	573,91	567,73	-18,000	-18,020	-17,620	-3,061	-3,044	-3,010	-3,0385
22-6-15 12:25	27,03	569,58	573,44	567,26	-18,480	-18,490	-18,090	-3,143	-3,124	-3,090	-3,1189
23-6-15 10:15	27,94	569,54	573,39	567,22	-18,520	-18,540	-18,130	-3,149	-3,132	-3,097	-3,1263
23-6-15 15:50	28,17	569,50	573,36	567,18	-18,560	-18,570	-18,170	-3,156	-3,137	-3,104	-3,1325

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:50	0,00	599,68	591,23	585,82	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
26-5-15 12:20	0,02	599,21	590,58	585,32	-0,470	-0,650	-0,500	-0,078	-0,110	-0,085	-0,0912
26-5-15 12:50	0,04	598,59	590,11	584,86	-1,090	-1,120	-0,960	-0,182	-0,189	-0,164	-0,1784
26-5-15 14:00	0,09	597,94	589,21	584,08	-1,740	-2,020	-1,740	-0,290	-0,342	-0,297	-0,3096
26-5-15 14:30	0,11	597,47	588,78	583,64	-2,210	-2,450	-2,180	-0,369	-0,414	-0,372	-0,3850
26-5-15 15:00	0,13	597,17	588,41	583,29	-2,510	-2,820	-2,530	-0,419	-0,477	-0,432	-0,4425
26-5-15 15:30	0,15	596,85	588,07	582,91	-2,830	-3,160	-2,910	-0,472	-0,534	-0,497	-0,5010
26-5-15 16:00	0,17	596,62	587,87	582,71	-3,060	-3,360	-3,110	-0,510	-0,568	-0,531	-0,5365
26-5-15 16:30	0,19	596,38	587,61	582,46	-3,300	-3,620	-3,360	-0,550	-0,612	-0,574	-0,5787
27-5-15 10:25	0,94	593,06	584,15	578,91	-6,620	-7,080	-6,910	-1,104	-1,198	-1,180	-1,1603
27-5-15 10:55	0,96	593,02	584,11	578,88	-6,660	-7,120	-6,940	-1,111	-1,204	-1,185	-1,1665
27-5-15 11:25	0,98	592,94	584,05	578,81	-6,740	-7,180	-7,010	-1,124	-1,214	-1,197	-1,1783
27-5-15 11:55	1,00	592,89	583,99	578,76	-6,790	-7,240	-7,060	-1,132	-1,225	-1,205	-1,1873
27-5-15 12:25	1,02	592,85	583,95	578,71	-6,830	-7,280	-7,110	-1,139	-1,231	-1,214	-1,1947
27-5-15 12:55	1,05	592,80	583,91	578,69	-6,880	-7,320	-7,130	-1,147	-1,238	-1,217	-1,2008
27-5-15 13:25	1,07	592,76	583,87	578,65	-6,920	-7,360	-7,170	-1,154	-1,245	-1,224	-1,2076
27-5-15 14:25	1,11	592,65	583,78	578,56	-7,030	-7,450	-7,260	-1,172	-1,260	-1,239	-1,2239
27-5-15 14:55	1,13	592,62	583,72	578,50	-7,060	-7,510	-7,320	-1,177	-1,270	-1,250	-1,2324
27-5-15 15:25	1,15	592,59	583,68	578,45	-7,090	-7,550	-7,370	-1,182	-1,277	-1,258	-1,2391
27-5-15 15:55	1,17	592,53	583,62	578,40	-7,150	-7,610	-7,420	-1,192	-1,287	-1,267	-1,2487
28-5-15 10:25	1,94	591,40	582,52	577,33	-8,280	-8,710	-8,490	-1,381	-1,473	-1,449	-1,4344
28-5-15 11:25	1,98	591,34	582,45	577,25	-8,340	-8,780	-8,570	-1,391	-1,485	-1,463	-1,4462
28-5-15 12:25	2,02	591,27	582,37	577,20	-8,410	-8,860	-8,620	-1,402	-1,499	-1,471	-1,4575
28-5-15 13:25	2,07	591,23	582,35	577,16	-8,450	-8,880	-8,660	-1,409	-1,502	-1,478	-1,4631
28-5-15 14:25	2,11	591,17	582,31	577,11	-8,510	-8,920	-8,710	-1,419	-1,509	-1,487	-1,4715
28-5-15 15:25	2,15	591,14	582,27	577,06	-8,540	-8,960	-8,760	-1,424	-1,515	-1,495	-1,4783
29-5-15 11:15	2,98	590,39	581,54	576,34	-9,290	-9,690	-9,480	-1,549	-1,639	-1,618	-1,6021
29-5-15 13:25	3,07	590,33	581,48	576,28	-9,350	-9,750	-9,540	-1,559	-1,649	-1,628	-1,6123
29-5-15 15:25	3,15	590,26	581,41	576,21	-9,420	-9,820	-9,610	-1,571	-1,661	-1,640	-1,6241
3-6-15 10:10	7,93	588,17	579,37	574,18	-11,510	-11,860	-11,640	-1,919	-2,006	-1,987	-1,9708
3-6-15 12:20	8,02	588,14	579,33	574,15	-11,540	-11,900	-11,670	-1,924	-2,013	-1,992	-1,9764
3-6-15 14:10	8,10	588,13	579,32	574,13	-11,550	-11,910	-11,690	-1,926	-2,014	-1,995	-1,9787
4-6-15 10:25	8,94	587,93	579,13	573,94	-11,750	-12,100	-11,880	-1,959	-2,047	-2,028	-2,0113
4-6-15 12:25	9,02	587,91	579,10	573,92	-11,770	-12,130	-11,900	-1,963	-2,052	-2,031	-2,0152
4-6-15 15:25	9,15	587,88	579,08	573,89	-11,800	-12,150	-11,930	-1,968	-2,055	-2,036	-2,0197
5-6-15 10:40	9,95	587,75	578,95	573,76	-11,930	-12,280	-12,060	-1,989	-2,077	-2,059	-2,0417
5-6-15 14:20	10,10	587,71	578,90	573,72	-11,970	-12,330	-12,100	-1,996	-2,085	-2,065	-2,0490

8-6-15 8:05	12,84	587,28	578,49	573,31	-12,400	-12,740	-12,510	-2,068	-2,155	-2,135	-2,1194
8-6-15 14:50	13,13	587,26	578,47	573,29	-12,420	-12,760	-12,530	-2,071	-2,158	-2,139	-2,1227
9-6-15 8:15	13,85	587,17	578,38	573,20	-12,510	-12,850	-12,620	-2,086	-2,173	-2,154	-2,1379
9-6-15 15:15	14,14	587,16	578,38	573,19	-12,520	-12,850	-12,630	-2,088	-2,173	-2,156	-2,1391
10-6-15 11:10	14,97	587,09	578,28	573,12	-12,590	-12,950	-12,700	-2,099	-2,190	-2,168	-2,1526
10-6-15 14:40	15,12	587,09	578,28	573,11	-12,590	-12,950	-12,710	-2,099	-2,190	-2,170	-2,1531
11-6-15 15:25	16,15	587,00	578,20	573,03	-12,680	-13,030	-12,790	-2,114	-2,204	-2,183	-2,1672
12-6-15 10:00	16,92	586,92	578,12	572,95	-12,760	-13,110	-12,870	-2,128	-2,217	-2,197	-2,1807
12-6-15 15:20	17,15	586,89	578,10	572,93	-12,790	-13,130	-12,890	-2,133	-2,221	-2,200	-2,1846
15-6-15 10:45	19,95	586,64	577,86	572,68	-13,040	-13,370	-13,140	-2,174	-2,261	-2,243	-2,2263
15-6-15 15:55	20,17	586,63	577,84	572,66	-13,050	-13,390	-13,160	-2,176	-2,265	-2,246	-2,2291
16-6-15 9:55	20,92	586,57	577,79	572,60	-13,110	-13,440	-13,220	-2,186	-2,273	-2,257	-2,2387
16-6-15 15:30	21,15	586,55	577,78	572,59	-13,130	-13,450	-13,230	-2,190	-2,275	-2,258	-2,2409
17-6-15 10:05	21,93	586,49	577,72	572,55	-13,190	-13,510	-13,270	-2,200	-2,285	-2,265	-2,2499
17-6-15 14:25	22,11	586,48	577,70	572,52	-13,200	-13,530	-13,300	-2,201	-2,288	-2,270	-2,2533
22-6-15 12:30	27,03	586,21	577,43	572,26	-13,470	-13,800	-13,560	-2,246	-2,334	-2,315	-2,2983
23-6-15 10:20	27,94	586,17	577,40	572,22	-13,510	-13,830	-13,600	-2,253	-2,339	-2,322	-2,3045
23-6-15 15:50	28,17	586,17	577,38	572,22	-13,510	-13,850	-13,600	-2,253	-2,343	-2,322	-2,3057

SIS+POW

DRY

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
10-6-15 11:00	0,00	590,63	601,03	591,45	0,00	0,00	0,00	0,000	0,000	0,000	0,0000
10-6-15 11:40	0,03	589,97	600,36	590,83	-0,66	-0,67	-0,62	-0,112	-0,111	-0,105	-0,1093
10-6-15 12:20	0,06	589,64	600,02	590,55	-0,99	-1,01	-0,90	-0,168	-0,168	-0,152	-0,1626
10-6-15 13:00	0,08	589,31	599,69	590,18	-1,32	-1,34	-1,27	-0,223	-0,223	-0,215	-0,2204
10-6-15 13:50	0,12	589,02	599,40	589,86	-1,61	-1,63	-1,59	-0,273	-0,271	-0,269	-0,2709
10-6-15 14:30	0,15	588,83	599,19	589,67	-1,80	-1,84	-1,78	-0,305	-0,306	-0,301	-0,3040
10-6-15 15:15	0,18	588,61	598,97	589,45	-2,02	-2,06	-2,00	-0,342	-0,343	-0,338	-0,3410
11-6-15 15:15	1,18	585,41	595,82	586,12	-5,22	-5,21	-5,33	-0,884	-0,867	-0,901	-0,8839
11-6-15 15:45	1,20	585,35	595,75	586,07	-5,28	-5,28	-5,38	-0,894	-0,878	-0,910	-0,8940
11-6-15 16:10	1,22	585,33	595,72	586,05	-5,30	-5,31	-5,40	-0,897	-0,883	-0,913	-0,8979
12-6-15 9:40	1,94	584,30	594,67	585,00	-6,33	-6,36	-6,45	-1,072	-1,058	-1,091	-1,0735
12-6-15 10:30	1,98	584,28	594,66	584,98	-6,35	-6,37	-6,47	-1,075	-1,060	-1,094	-1,0763
12-6-15 13:40	2,11	584,11	594,47	584,81	-6,52	-6,56	-6,64	-1,104	-1,091	-1,123	-1,1060
12-6-15 15:00	2,17	584,06	594,42	584,76	-6,57	-6,61	-6,69	-1,112	-1,100	-1,131	-1,1144
12-6-15 15:35	2,19	584,03	594,39	584,74	-6,60	-6,64	-6,71	-1,117	-1,105	-1,134	-1,1189
15-6-15 10:25	4,98	582,13	592,43	582,84	-8,50	-8,60	-8,61	-1,439	-1,431	-1,456	-1,4419
15-6-15 12:55	5,08	582,08	592,38	582,79	-8,55	-8,65	-8,66	-1,448	-1,439	-1,464	-1,4503

15-6-15 15:35	5,19	582,02	592,33	582,73	-8,61	-8,70	-8,72	-1,458	-1,448	-1,474	-1,4599
16-6-15 9:35	5,94	581,72	592,03	582,43	-8,91	-9,00	-9,02	-1,509	-1,497	-1,525	-1,5104
16-6-15 15:10	6,17	581,63	591,94	582,34	-9,00	-9,09	-9,11	-1,524	-1,512	-1,540	-1,5255
17-6-15 9:45	6,95	581,36	591,66	582,08	-9,27	-9,37	-9,37	-1,570	-1,559	-1,584	-1,5709
17-6-15 14:05	7,13	581,32	591,62	582,04	-9,31	-9,41	-9,41	-1,576	-1,566	-1,591	-1,5776
22-6-15 12:10	12,05	580,18	590,48	580,91	-10,45	-10,55	-10,54	-1,769	-1,755	-1,782	-1,7689
23-6-15 10:00	12,96	580,06	590,34	580,78	-10,57	-10,69	-10,67	-1,790	-1,779	-1,804	-1,7908
23-6-15 15:35	13,19	580,01	590,30	580,74	-10,62	-10,73	-10,71	-1,798	-1,785	-1,811	-1,7981
24-6-15 10:15	13,97	579,91	590,20	580,65	-10,72	-10,83	-10,80	-1,815	-1,802	-1,826	-1,8143
24-6-15 15:30	14,19	579,87	590,16	580,60	-10,76	-10,87	-10,85	-1,822	-1,809	-1,834	-1,8216
25-6-15 10:30	14,98	579,99	590,24	580,72	-10,64	-10,79	-10,73	-1,801	-1,795	-1,814	-1,8036
25-6-15 12:05	15,05	579,99	590,31	580,79	-10,64	-10,72	-10,66	-1,801	-1,784	-1,802	-1,7958
26-6-15 10:15	15,97	580,14	590,43	580,91	-10,49	-10,60	-10,54	-1,776	-1,764	-1,782	-1,7739
26-6-15 15:15	16,18	580,16	590,45	580,90	-10,47	-10,58	-10,55	-1,773	-1,760	-1,784	-1,7722
29-6-15 9:30	18,94	580,46	590,61	581,35	-10,17	-10,42	-10,10	-1,722	-1,734	-1,708	-1,7211
29-6-15 14:40	19,15	580,51	590,63	581,36	-10,12	-10,40	-10,09	-1,713	-1,730	-1,706	-1,7166
30-6-15 10:15	19,97	580,59	590,67	581,39	-10,04	-10,36	-10,06	-1,700	-1,724	-1,701	-1,7082
30-6-15 14:50	20,16	580,59	590,70	581,42	-10,04	-10,33	-10,03	-1,700	-1,719	-1,696	-1,7048
1-7-15 9:45	20,95	580,61	590,77	581,49	-10,02	-10,26	-9,96	-1,696	-1,707	-1,684	-1,6959
1-7-15 13:45	21,11	580,62	590,80	581,54	-10,01	-10,23	-9,91	-1,695	-1,702	-1,676	-1,6908
2-7-15 9:45	21,95	580,73	590,86	581,56	-9,90	-10,17	-9,89	-1,676	-1,692	-1,672	-1,6801
2-7-15 15:05	22,17	580,75	590,91	581,56	-9,88	-10,12	-9,89	-1,673	-1,684	-1,672	-1,6762
3-7-15 8:35	22,90	580,80	590,93	581,56	-9,83	-10,10	-9,89	-1,664	-1,680	-1,672	-1,6723
6-7-15 8:00	25,88	580,88	591,02	581,63	-9,75	-10,01	-9,82	-1,651	-1,665	-1,660	-1,6589
6-7-15 8:00	25,88	580,89	591,03	581,64	-9,74	-10,00	-9,81	-1,649	-1,664	-1,659	-1,6572
7-7-15 8:00	26,88	580,92	591,60	581,68	-9,71	-9,43	-9,77	-1,644	-1,569	-1,652	-1,6216
7-7-15 8:00	26,88	580,93	591,17	581,70	-9,70	-9,86	-9,75	-1,642	-1,641	-1,648	-1,6438

ANNEX 4

ANNEX 4

AUTO MASS LOSS

STEEL 0,64%	AUTO
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Data	Time	Measure			Mass difference (Dg)			% weight lost			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	
		(g)	(g)	(g)	(g)	(g)	(g)	%	%	%	
28-4-15 11:55	0,00	641,42	634,30	645,39	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
28-4-15 12:25	0,02	641,39	634,28	645,06	-0,030	-0,020	-0,330	-0,005	-0,003	-0,051	-0,0197
28-4-15 12:54	0,04	641,37	634,28	645,03	-0,050	-0,020	-0,360	-0,008	-0,003	-0,056	-0,0223
28-4-15 13:24	0,06	641,37	634,27	645,01	-0,050	-0,030	-0,380	-0,008	-0,005	-0,059	-0,0238
28-4-15 13:54	0,08	641,36	634,26	645,00	-0,060	-0,040	-0,390	-0,009	-0,006	-0,060	-0,0254
28-4-15 14:24	0,10	641,36	634,26	645,00	-0,060	-0,040	-0,390	-0,009	-0,006	-0,060	-0,0254
28-4-15 14:54	0,12	641,34	634,25	644,99	-0,080	-0,050	-0,400	-0,012	-0,008	-0,062	-0,0275
28-4-15 15:24	0,15	641,33	634,25	644,98	-0,090	-0,050	-0,410	-0,014	-0,008	-0,064	-0,0285
28-4-15 15:54	0,17	641,32	634,25	644,97	-0,100	-0,050	-0,420	-0,016	-0,008	-0,065	-0,0295
28-4-15 16:24	0,19	641,33	634,25	644,98	-0,090	-0,050	-0,410	-0,014	-0,008	-0,064	-0,0285
28-4-15 16:54	0,21	641,32	634,24	644,97	-0,100	-0,060	-0,420	-0,016	-0,009	-0,065	-0,0301
28-4-15 17:24	0,23	641,31	634,26	644,96	-0,110	-0,040	-0,430	-0,017	-0,006	-0,067	-0,0300
29-4-15 10:10	0,93	641,10	634,16	644,83	-0,320	-0,140	-0,560	-0,050	-0,022	-0,087	-0,0529
29-4-15 10:40	0,95	641,09	634,15	644,83	-0,330	-0,150	-0,560	-0,051	-0,024	-0,087	-0,0540
29-4-15 12:30	1,02	641,08	634,15	644,82	-0,340	-0,150	-0,570	-0,053	-0,024	-0,088	-0,0550
29-4-15 12:45	1,03	641,07	634,15	644,81	-0,350	-0,150	-0,580	-0,055	-0,024	-0,090	-0,0560
29-4-15 13:15	1,06	641,03	634,14	644,81	-0,390	-0,160	-0,580	-0,061	-0,025	-0,090	-0,0586
29-4-15 13:45	1,08	641,02	634,14	644,80	-0,400	-0,160	-0,590	-0,062	-0,025	-0,091	-0,0597
29-4-15 14:15	1,10	641,02	634,14	644,80	-0,400	-0,160	-0,590	-0,062	-0,025	-0,091	-0,0597
29-4-15 14:45	1,12	641,02	634,13	644,80	-0,400	-0,170	-0,590	-0,062	-0,027	-0,091	-0,0602
29-4-15 15:15	1,14	641,02	634,13	644,79	-0,400	-0,170	-0,600	-0,062	-0,027	-0,093	-0,0607
29-4-15 15:45	1,16	641,01	634,13	644,79	-0,410	-0,170	-0,600	-0,064	-0,027	-0,093	-0,0612
30-4-15 10:00	1,92	640,83	634,05	644,69	-0,590	-0,250	-0,700	-0,092	-0,039	-0,109	-0,0800
30-4-15 11:00	1,96	640,82	634,05	644,69	-0,600	-0,250	-0,700	-0,094	-0,039	-0,109	-0,0805
30-4-15 12:00	2,00	640,81	634,04	644,67	-0,610	-0,260	-0,720	-0,095	-0,041	-0,112	-0,0826
30-4-15 13:00	2,05	640,80	634,04	644,66	-0,620	-0,260	-0,730	-0,097	-0,041	-0,113	-0,0836
30-4-15 14:00	2,09	640,79	634,04	644,65	-0,630	-0,260	-0,740	-0,098	-0,041	-0,115	-0,0846
30-4-15 15:00	2,13	640,78	634,03	644,65	-0,640	-0,270	-0,740	-0,100	-0,043	-0,115	-0,0857
30-4-15 16:00	2,17	640,77	634,02	644,64	-0,650	-0,280	-0,750	-0,101	-0,044	-0,116	-0,0873
4-5-15 8:45	5,87	640,13	633,73	644,23	-1,290	-0,570	-1,160	-0,201	-0,090	-0,180	-0,1569
4-5-15 11:45	5,99	640,11	633,72	644,21	-1,310	-0,580	-1,180	-0,204	-0,091	-0,183	-0,1595
4-5-15 13:45	6,08	640,10	633,72	644,20	-1,320	-0,580	-1,190	-0,206	-0,091	-0,184	-0,1606
5-5-15 10:30	6,94	640,00	633,67	644,14	-1,420	-0,630	-1,250	-0,221	-0,099	-0,194	-0,1715
5-5-15 12:30	7,02	640,00	633,66	644,13	-1,420	-0,640	-1,260	-0,221	-0,101	-0,195	-0,1725
5-5-15 14:30	7,11	639,98	633,65	644,12	-1,440	-0,650	-1,270	-0,225	-0,102	-0,197	-0,1746

5-5-15 16:30	7,19	639,97	633,66	644,12	-1,450	-0,640	-1,270	-0,226	-0,101	-0,197	-0,1746
6-5-15 10:30	7,94	639,87	633,62	644,06	-1,550	-0,680	-1,330	-0,242	-0,107	-0,206	-0,1850
6-5-15 12:30	8,02	639,86	633,60	644,06	-1,560	-0,700	-1,330	-0,243	-0,110	-0,206	-0,1866
6-5-15 14:30	8,11	639,85	633,60	644,05	-1,570	-0,700	-1,340	-0,245	-0,110	-0,208	-0,1876
6-5-15 16:30	8,19	639,85	633,60	644,05	-1,570	-0,700	-1,340	-0,245	-0,110	-0,208	-0,1876
7-5-15 10:00	8,92	639,76	633,56	643,99	-1,660	-0,740	-1,400	-0,259	-0,117	-0,217	-0,1975
7-5-15 12:00	9,00	639,75	633,56	643,99	-1,670	-0,740	-1,400	-0,260	-0,117	-0,217	-0,1980
7-5-15 14:00	9,09	639,75	633,55	643,98	-1,670	-0,750	-1,410	-0,260	-0,118	-0,219	-0,1991
11-5-15 15:00	13,13	639,38	633,37	643,75	-2,040	-0,930	-1,640	-0,318	-0,147	-0,254	-0,2396
11-5-15 17:00	13,21	639,38	633,37	643,75	-2,040	-0,930	-1,640	-0,318	-0,147	-0,254	-0,2396
12-5-15 10:30	13,94	639,33	633,35	643,73	-2,090	-0,950	-1,660	-0,326	-0,150	-0,257	-0,2443
12-5-15 12:30	14,02	639,32	633,35	643,72	-2,100	-0,950	-1,670	-0,327	-0,150	-0,259	-0,2454
12-5-15 14:30	14,11	639,31	633,34	643,72	-2,110	-0,960	-1,670	-0,329	-0,151	-0,259	-0,2464
12-5-15 16:30	14,19	639,31	633,34	643,71	-2,110	-0,960	-1,680	-0,329	-0,151	-0,260	-0,2469
13-5-15 10:00	14,92	639,26	633,32	643,68	-2,160	-0,980	-1,710	-0,337	-0,155	-0,265	-0,2521
13-5-15 12:00	15,00	639,26	633,32	643,68	-2,160	-0,980	-1,710	-0,337	-0,155	-0,265	-0,2521
13-5-15 14:30	15,11	639,24	633,30	643,67	-2,180	-1,000	-1,720	-0,340	-0,158	-0,267	-0,2547
14-5-15 9:00	15,88	639,18	633,29	643,64	-2,240	-1,010	-1,750	-0,349	-0,159	-0,271	-0,2599
14-5-15 11:00	15,96	639,18	633,28	643,64	-2,240	-1,020	-1,750	-0,349	-0,161	-0,271	-0,2604
14-5-15 13:30	16,07	639,18	633,28	643,64	-2,240	-1,020	-1,750	-0,349	-0,161	-0,271	-0,2604
15-5-15 9:00	16,88	639,12	633,26	643,61	-2,300	-1,040	-1,780	-0,359	-0,164	-0,276	-0,2662
15-5-15 11:00	16,96	639,12	633,26	643,61	-2,300	-1,040	-1,780	-0,359	-0,164	-0,276	-0,2662
15-5-15 13:00	17,05	639,12	633,25	643,60	-2,300	-1,050	-1,790	-0,359	-0,166	-0,277	-0,2672
18-5-15 8:45	19,87	638,94	633,15	643,49	-2,480	-1,150	-1,900	-0,387	-0,181	-0,295	-0,2875
18-5-15 15:45	20,16	638,91	633,15	643,48	-2,510	-1,150	-1,910	-0,391	-0,181	-0,296	-0,2896
19-5-15 12:05	21,01	638,86	633,12	643,45	-2,560	-1,180	-1,940	-0,399	-0,186	-0,301	-0,2953
19-5-15 14:05	21,09	638,86	633,12	643,45	-2,560	-1,180	-1,940	-0,399	-0,186	-0,301	-0,2953
19-5-15 16:05	21,17	638,86	633,11	643,45	-2,560	-1,190	-1,940	-0,399	-0,188	-0,301	-0,2958
20-5-15 10:30	21,94	638,83	633,11	643,45	-2,590	-1,190	-1,940	-0,404	-0,188	-0,301	-0,2974
20-5-15 12:30	22,02	638,83	633,11	643,44	-2,590	-1,190	-1,950	-0,404	-0,188	-0,302	-0,2979
21-5-15 10:30	22,94	638,80	633,08	643,40	-2,620	-1,220	-1,990	-0,408	-0,192	-0,308	-0,3031
21-5-15 12:30	23,02	638,79	633,08	643,40	-2,630	-1,220	-1,990	-0,410	-0,192	-0,308	-0,3036
25-5-15 10:30	26,94	638,57	632,98	643,29	-2,850	-1,320	-2,100	-0,444	-0,208	-0,326	-0,3260
25-5-15 12:30	27,02	638,57	632,98	643,29	-2,850	-1,320	-2,100	-0,444	-0,208	-0,326	-0,3260
26-5-15 10:20	27,93	638,51	632,95	643,26	-2,910	-1,350	-2,130	-0,454	-0,213	-0,330	-0,3322
26-5-15 12:20	28,02	638,50	632,95	643,26	-2,920	-1,350	-2,130	-0,455	-0,213	-0,330	-0,3328

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
28-1-14 15:05	0,00	633,90	629,29	634,96	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
28-1-14 15:20	0,01	633,90	629,28	634,95	0,000	-0,010	-0,010	0,000	-0,002	-0,002	-0,0011
28-1-14 15:40	0,02	633,90	629,28	634,95	0,000	-0,010	-0,010	0,000	-0,002	-0,002	-0,0011
28-1-14 15:45	0,03	633,90	629,28	634,95	0,000	-0,010	-0,010	0,000	-0,002	-0,002	-0,0011
28-1-14 16:00	0,04	633,90	629,28	634,95	0,000	-0,010	-0,010	0,000	-0,002	-0,002	-0,0011
28-1-14 16:11	0,05	633,90	629,28	634,95	0,000	-0,010	-0,010	0,000	-0,002	-0,002	-0,0011
28-1-14 16:21	0,05	633,90	629,28	634,94	0,000	-0,010	-0,020	0,000	-0,002	-0,003	-0,0016
28-1-14 16:31	0,06	633,90	629,27	634,94	0,000	-0,020	-0,020	0,000	-0,003	-0,003	-0,0021
28-1-14 16:41	0,07	633,90	629,27	634,94	0,000	-0,020	-0,020	0,000	-0,003	-0,003	-0,0021
29-1-14 10:35	0,81	633,87	629,23	634,91	-0,030	-0,060	-0,050	-0,005	-0,010	-0,008	-0,0074
29-1-14 10:50	0,82	633,87	629,22	634,91	-0,030	-0,070	-0,050	-0,005	-0,011	-0,008	-0,0079
29-1-14 11:20	0,84	633,86	629,21	634,90	-0,040	-0,080	-0,060	-0,006	-0,013	-0,009	-0,0095
29-1-14 11:50	0,86	633,86	629,22	634,90	-0,040	-0,070	-0,060	-0,006	-0,011	-0,009	-0,0090
29-1-14 12:20	0,89	633,86	629,22	634,90	-0,040	-0,070	-0,060	-0,006	-0,011	-0,009	-0,0090
29-1-14 12:50	0,91	633,85	629,21	634,90	-0,050	-0,080	-0,060	-0,008	-0,013	-0,009	-0,0100
29-1-14 13:20	0,93	633,86	629,21	634,89	-0,040	-0,080	-0,070	-0,006	-0,013	-0,011	-0,0100
29-1-14 13:50	0,95	633,85	629,20	634,86	-0,050	-0,090	-0,100	-0,008	-0,014	-0,016	-0,0126
29-1-14 14:20	0,97	633,85	629,20	634,89	-0,050	-0,090	-0,070	-0,008	-0,014	-0,011	-0,0111
29-1-14 14:50	0,99	633,86	629,21	634,89	-0,040	-0,080	-0,070	-0,006	-0,013	-0,011	-0,0100
29-1-14 15:20	1,01	633,85	629,21	634,89	-0,050	-0,080	-0,070	-0,008	-0,013	-0,011	-0,0105
29-1-14 15:50	1,03	633,85	629,20	634,88	-0,050	-0,090	-0,080	-0,008	-0,014	-0,013	-0,0116
29-1-14 16:20	1,05	633,85	629,20	634,88	-0,050	-0,090	-0,080	-0,008	-0,014	-0,013	-0,0116
29-1-14 17:50	1,11	633,84	629,20	634,88	-0,060	-0,090	-0,080	-0,009	-0,014	-0,013	-0,0121
29-1-14 18:20	1,14	633,85	629,20	634,88	-0,050	-0,090	-0,080	-0,008	-0,014	-0,013	-0,0116
29-1-14 18:50	1,16	633,85	629,20	634,88	-0,050	-0,090	-0,080	-0,008	-0,014	-0,013	-0,0116
30-1-14 11:30	1,85	633,83	629,15	634,86	-0,070	-0,140	-0,100	-0,011	-0,022	-0,016	-0,0163
30-1-14 12:35	1,90	633,82	629,16	634,85	-0,080	-0,130	-0,110	-0,013	-0,021	-0,017	-0,0169
30-1-14 13:30	1,93	633,82	629,15	634,85	-0,080	-0,140	-0,110	-0,013	-0,022	-0,017	-0,0174
30-1-14 14:30	1,98	633,82	629,15	634,85	-0,080	-0,140	-0,110	-0,013	-0,022	-0,017	-0,0174
30-1-14 15:30	2,02	633,82	629,14	634,84	-0,080	-0,150	-0,120	-0,013	-0,024	-0,019	-0,0185
30-1-14 17:30	2,10	633,81	629,13	634,84	-0,090	-0,160	-0,120	-0,014	-0,025	-0,019	-0,0195
31-1-14 10:10	2,80	633,77	629,07	634,80	-0,130	-0,220	-0,160	-0,021	-0,035	-0,025	-0,0269
31-1-14 11:10	2,84	633,77	629,07	634,80	-0,130	-0,220	-0,160	-0,021	-0,035	-0,025	-0,0269
31-1-14 12:00	2,87	633,77	629,07	634,80	-0,130	-0,220	-0,160	-0,021	-0,035	-0,025	-0,0269
31-1-14 13:40	2,94	633,77	629,07	634,79	-0,130	-0,220	-0,170	-0,021	-0,035	-0,027	-0,0274
31-1-14 15:00	3,00	633,77	629,07	634,79	-0,130	-0,220	-0,170	-0,021	-0,035	-0,027	-0,0274
31-1-14 16:00	3,04	633,76	629,06	634,79	-0,140	-0,230	-0,170	-0,022	-0,037	-0,027	-0,0285

3-2-14 8:40	5,73	633,66	628,89	634,67	-0,240	-0,400	-0,290	-0,038	-0,064	-0,046	-0,0490
3-2-14 10:40	5,82	633,66	628,89	634,67	-0,240	-0,400	-0,290	-0,038	-0,064	-0,046	-0,0490
3-2-14 12:15	5,88	633,66	628,89	634,67	-0,240	-0,400	-0,290	-0,038	-0,064	-0,046	-0,0490
3-2-14 13:40	5,94	633,66	628,89	634,67	-0,240	-0,400	-0,290	-0,038	-0,064	-0,046	-0,0490
3-2-14 14:40	5,98	633,66	628,89	634,67	-0,240	-0,400	-0,290	-0,038	-0,064	-0,046	-0,0490
3-2-14 15:45	6,03	633,65	628,88	634,67	-0,250	-0,410	-0,290	-0,039	-0,065	-0,046	-0,0501
4-2-14 11:10	6,84	633,62	628,84	634,64	-0,280	-0,450	-0,320	-0,044	-0,072	-0,050	-0,0554
4-2-14 12:40	6,90	633,62	628,84	634,64	-0,280	-0,450	-0,320	-0,044	-0,072	-0,050	-0,0554
4-2-14 13:55	6,95	633,63	628,84	634,64	-0,270	-0,450	-0,320	-0,043	-0,072	-0,050	-0,0548
4-2-14 15:40	7,02	633,63	628,83	634,64	-0,270	-0,460	-0,320	-0,043	-0,073	-0,050	-0,0554
4-2-14 17:40	7,11	633,62	628,83	634,63	-0,280	-0,460	-0,330	-0,044	-0,073	-0,052	-0,0564
5-2-14 12:00	7,87	633,60	628,80	634,61	-0,300	-0,490	-0,350	-0,047	-0,078	-0,055	-0,0601
5-2-14 13:00	7,91	633,60	628,79	634,61	-0,300	-0,500	-0,350	-0,047	-0,079	-0,055	-0,0606
5-2-14 14:00	7,95	633,60	628,80	634,61	-0,300	-0,490	-0,350	-0,047	-0,078	-0,055	-0,0601
5-2-14 14:30	7,98	633,60	628,80	634,61	-0,300	-0,490	-0,350	-0,047	-0,078	-0,055	-0,0601
5-2-14 15:30	8,02	633,60	628,79	634,61	-0,300	-0,500	-0,350	-0,047	-0,079	-0,055	-0,0606
6-2-14 10:30	8,81	633,58	628,76	634,59	-0,320	-0,530	-0,370	-0,050	-0,084	-0,058	-0,0643
6-2-14 11:30	8,85	633,59	628,76	634,59	-0,310	-0,530	-0,370	-0,049	-0,084	-0,058	-0,0638
6-2-14 12:30	8,89	633,59	628,77	634,60	-0,310	-0,520	-0,360	-0,049	-0,083	-0,057	-0,0627
6-2-14 13:30	8,93	633,57	628,76	634,59	-0,330	-0,530	-0,370	-0,052	-0,084	-0,058	-0,0649
6-2-14 14:30	8,98	633,58	628,76	634,59	-0,320	-0,530	-0,370	-0,050	-0,084	-0,058	-0,0643
6-2-14 15:30	9,02	633,58	628,75	634,59	-0,320	-0,540	-0,370	-0,050	-0,086	-0,058	-0,0649
7-2-14 11:30	9,85	633,57	628,73	634,58	-0,330	-0,560	-0,380	-0,052	-0,089	-0,060	-0,0670
7-2-14 12:30	9,89	633,56	628,73	634,57	-0,340	-0,560	-0,390	-0,054	-0,089	-0,061	-0,0680
7-2-14 13:30	9,93	633,57	628,73	634,57	-0,330	-0,560	-0,390	-0,052	-0,089	-0,061	-0,0675
7-2-14 14:30	9,98	633,56	628,73	634,57	-0,340	-0,560	-0,390	-0,054	-0,089	-0,061	-0,0680
7-2-14 15:30	10,02	633,55	628,72	634,56	-0,350	-0,570	-0,400	-0,055	-0,091	-0,063	-0,0696
10-2-14 10:40	12,82	633,51	628,63	634,52	-0,390	-0,660	-0,440	-0,062	-0,105	-0,069	-0,0786
10-2-14 11:40	12,86	633,50	628,63	634,52	-0,400	-0,660	-0,440	-0,063	-0,105	-0,069	-0,0791
10-2-14 12:40	12,90	633,50	628,63	634,52	-0,400	-0,660	-0,440	-0,063	-0,105	-0,069	-0,0791
10-2-14 13:40	12,94	633,50	628,63	634,52	-0,400	-0,660	-0,440	-0,063	-0,105	-0,069	-0,0791
10-2-14 15:00	13,00	633,50	628,62	634,51	-0,400	-0,670	-0,450	-0,063	-0,106	-0,071	-0,0801
10-2-14 16:00	13,04	633,50	628,62	634,51	-0,400	-0,670	-0,450	-0,063	-0,106	-0,071	-0,0801
11-2-14 11:20	13,84	633,49	628,60	634,50	-0,410	-0,690	-0,460	-0,065	-0,110	-0,072	-0,0823
11-2-14 12:20	13,89	633,49	628,60	634,50	-0,410	-0,690	-0,460	-0,065	-0,110	-0,072	-0,0823
11-2-14 13:20	13,93	633,49	628,60	634,50	-0,410	-0,690	-0,460	-0,065	-0,110	-0,072	-0,0823
11-2-14 14:45	13,99	633,49	628,60	634,50	-0,410	-0,690	-0,460	-0,065	-0,110	-0,072	-0,0823
11-2-14 15:45	14,03	633,49	628,60	634,50	-0,410	-0,690	-0,460	-0,065	-0,110	-0,072	-0,0823
12-2-14 11:00	14,83	633,48	628,59	634,49	-0,420	-0,700	-0,470	-0,066	-0,111	-0,074	-0,0838
12-2-14 13:50	14,95	633,48	628,59	634,49	-0,420	-0,700	-0,470	-0,066	-0,111	-0,074	-0,0838
12-2-14 14:45	14,99	633,47	628,58	634,49	-0,430	-0,710	-0,470	-0,068	-0,113	-0,074	-0,0849
12-2-14 15:45	15,03	633,47	628,58	634,49	-0,430	-0,710	-0,470	-0,068	-0,113	-0,074	-0,0849
13-2-14 11:20	15,84	633,45	628,53	634,46	-0,450	-0,760	-0,500	-0,071	-0,121	-0,079	-0,0902
13-2-14 12:20	15,89	633,45	628,52	634,46	-0,450	-0,770	-0,500	-0,071	-0,122	-0,079	-0,0907

13-2-14 13:40	15,94	633,45	628,52	634,46	-0,450	-0,770	-0,500	-0,071	-0,122	-0,079	-0,0907
13-2-14 14:40	15,98	633,45	628,52	634,46	-0,450	-0,770	-0,500	-0,071	-0,122	-0,079	-0,0907
13-2-14 16:00	16,04	633,44	628,52	634,46	-0,460	-0,770	-0,500	-0,073	-0,122	-0,079	-0,0912
14-2-14 12:10	16,88	633,42	628,47	634,43	-0,480	-0,820	-0,530	-0,076	-0,130	-0,083	-0,0965
14-2-14 13:55	16,95	633,41	628,46	634,43	-0,490	-0,830	-0,530	-0,077	-0,132	-0,083	-0,0976
14-2-14 15:55	17,03	633,41	628,45	634,42	-0,490	-0,840	-0,540	-0,077	-0,133	-0,085	-0,0986
17-2-14 11:40	19,86	633,32	628,30	634,33	-0,580	-0,990	-0,630	-0,091	-0,157	-0,099	-0,1160
17-2-14 13:40	19,94	633,32	628,30	634,33	-0,580	-0,990	-0,630	-0,091	-0,157	-0,099	-0,1160
17-2-14 15:40	20,02	633,31	628,30	634,33	-0,590	-0,990	-0,630	-0,093	-0,157	-0,099	-0,1165
18-2-14 12:00	20,87	633,29	628,26	634,30	-0,610	-1,030	-0,660	-0,096	-0,164	-0,104	-0,1213
18-2-14 14:00	20,95	633,29	628,26	634,30	-0,610	-1,030	-0,660	-0,096	-0,164	-0,104	-0,1213
18-2-14 16:00	21,04	633,28	628,25	634,30	-0,620	-1,040	-0,660	-0,098	-0,165	-0,104	-0,1223
19-2-14 12:20	21,89	633,26	628,21	634,28	-0,640	-1,080	-0,680	-0,101	-0,172	-0,107	-0,1266
19-2-14 16:00	22,04	633,26	628,20	634,27	-0,640	-1,090	-0,690	-0,101	-0,173	-0,109	-0,1276
20-2-14 11:40	22,86	633,23	628,16	634,25	-0,670	-1,130	-0,710	-0,106	-0,180	-0,112	-0,1324
20-2-14 16:00	23,04	633,22	628,15	634,24	-0,680	-1,140	-0,720	-0,107	-0,181	-0,113	-0,1339
21-2-14 11:20	23,84	633,20	628,11	634,22	-0,700	-1,180	-0,740	-0,110	-0,188	-0,117	-0,1382
21-2-14 15:45	24,03	633,20	628,11	634,22	-0,700	-1,180	-0,740	-0,110	-0,188	-0,117	-0,1382
24-2-14 10:30	26,81	633,12	627,99	634,14	-0,780	-1,300	-0,820	-0,123	-0,207	-0,129	-0,1529
24-2-14 15:50	27,03	633,11	627,98	634,14	-0,790	-1,310	-0,820	-0,125	-0,208	-0,129	-0,1540
25-2-14 10:15	27,80	633,08	627,95	634,11	-0,820	-1,340	-0,850	-0,129	-0,213	-0,134	-0,1587
25-2-14 15:00	28,00	633,08	627,94	634,11	-0,820	-1,350	-0,850	-0,129	-0,215	-0,134	-0,1593

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
4-2-14 12:30	0,00	590,77	596,41	597,04	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
4-2-14 13:00	0,02	590,77	596,41	597,04	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
4-2-14 13:30	0,04	590,77	596,41	597,04	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
4-2-14 14:00	0,06	590,76	596,40	597,03	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 14:30	0,08	590,76	596,41	597,03	-0,010	0,000	-0,010	-0,002	0,000	-0,002	-0,0011
4-2-14 15:00	0,10	590,76	596,40	597,03	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 15:30	0,13	590,75	596,40	597,02	-0,020	-0,010	-0,020	-0,003	-0,002	-0,003	-0,0028
4-2-14 16:00	0,15	590,76	596,40	597,02	-0,010	-0,010	-0,020	-0,002	-0,002	-0,003	-0,0022
4-2-14 17:30	0,21	590,75	596,40	597,02	-0,020	-0,010	-0,020	-0,003	-0,002	-0,003	-0,0028
5-2-14 11:50	0,97	590,70	596,36	596,95	-0,070	-0,050	-0,090	-0,012	-0,008	-0,015	-0,0118
5-2-14 12:30	1,00	590,69	596,35	596,95	-0,080	-0,060	-0,090	-0,014	-0,010	-0,015	-0,0129
5-2-14 13:00	1,02	590,69	596,35	596,95	-0,080	-0,060	-0,090	-0,014	-0,010	-0,015	-0,0129
5-2-14 13:30	1,04	590,69	596,35	596,95	-0,080	-0,060	-0,090	-0,014	-0,010	-0,015	-0,0129
5-2-14 14:00	1,06	590,69	596,35	596,95	-0,080	-0,060	-0,090	-0,014	-0,010	-0,015	-0,0129
5-2-14 14:30	1,08	590,69	596,35	596,95	-0,080	-0,060	-0,090	-0,014	-0,010	-0,015	-0,0129
5-2-14 15:05	1,11	590,69	596,35	596,94	-0,080	-0,060	-0,100	-0,014	-0,010	-0,017	-0,0135
5-2-14 15:35	1,13	590,69	596,35	596,94	-0,080	-0,060	-0,100	-0,014	-0,010	-0,017	-0,0135
6-2-14 10:30	1,92	590,64	596,32	596,90	-0,130	-0,090	-0,140	-0,022	-0,015	-0,023	-0,0202
6-2-14 11:30	1,96	590,65	596,32	596,90	-0,120	-0,090	-0,140	-0,020	-0,015	-0,023	-0,0196
6-2-14 12:30	2,00	590,65	596,32	596,90	-0,120	-0,090	-0,140	-0,020	-0,015	-0,023	-0,0196
6-2-14 13:30	2,04	590,64	596,31	596,89	-0,130	-0,100	-0,150	-0,022	-0,017	-0,025	-0,0213
6-2-14 14:30	2,08	590,64	596,31	596,89	-0,130	-0,100	-0,150	-0,022	-0,017	-0,025	-0,0213
6-2-14 15:30	2,13	590,63	596,31	596,88	-0,140	-0,100	-0,160	-0,024	-0,017	-0,027	-0,0224
7-2-14 11:30	2,96	590,59	596,28	596,85	-0,180	-0,130	-0,190	-0,030	-0,022	-0,032	-0,0280
7-2-14 12:30	3,00	590,58	596,27	596,83	-0,190	-0,140	-0,210	-0,032	-0,023	-0,035	-0,0303
7-2-14 13:30	3,04	590,58	596,27	596,84	-0,190	-0,140	-0,200	-0,032	-0,023	-0,033	-0,0297
7-2-14 14:30	3,08	590,58	596,27	596,84	-0,190	-0,140	-0,200	-0,032	-0,023	-0,033	-0,0297
7-2-14 15:30	3,13	590,59	596,28	596,84	-0,180	-0,130	-0,200	-0,030	-0,022	-0,033	-0,0286
10-2-14 10:40	5,92	590,49	596,20	596,74	-0,280	-0,210	-0,300	-0,047	-0,035	-0,050	-0,0443
10-2-14 11:40	5,97	590,49	596,20	596,74	-0,280	-0,210	-0,300	-0,047	-0,035	-0,050	-0,0443
10-2-14 12:40	6,01	590,49	596,20	596,74	-0,280	-0,210	-0,300	-0,047	-0,035	-0,050	-0,0443
10-2-14 13:40	6,05	590,49	596,20	596,74	-0,280	-0,210	-0,300	-0,047	-0,035	-0,050	-0,0443
10-2-14 15:00	6,10	590,49	596,20	596,73	-0,280	-0,210	-0,310	-0,047	-0,035	-0,052	-0,0448
10-2-14 16:00	6,15	590,49	596,20	596,73	-0,280	-0,210	-0,310	-0,047	-0,035	-0,052	-0,0448
11-2-14 11:20	6,95	590,46	596,18	596,71	-0,310	-0,230	-0,330	-0,052	-0,039	-0,055	-0,0488
11-2-14 12:20	6,99	590,46	596,18	596,71	-0,310	-0,230	-0,330	-0,052	-0,039	-0,055	-0,0488

11-2-14 13:20	7,03	590,46	596,18	596,71	-0,310	-0,230	-0,330	-0,052	-0,039	-0,055	-0,0488
11-2-14 14:45	7,09	590,46	596,18	596,71	-0,310	-0,230	-0,330	-0,052	-0,039	-0,055	-0,0488
11-2-14 15:45	7,14	590,46	596,17	596,71	-0,310	-0,240	-0,330	-0,052	-0,040	-0,055	-0,0493
12-2-14 11:00	7,94	590,45	596,17	596,71	-0,320	-0,240	-0,330	-0,054	-0,040	-0,055	-0,0499
12-2-14 13:50	8,06	590,45	596,17	596,70	-0,320	-0,240	-0,340	-0,054	-0,040	-0,057	-0,0505
12-2-14 14:45	8,09	590,44	596,16	596,70	-0,330	-0,250	-0,340	-0,056	-0,042	-0,057	-0,0516
12-2-14 15:45	8,14	590,44	596,16	596,69	-0,330	-0,250	-0,350	-0,056	-0,042	-0,059	-0,0521
13-2-14 11:20	8,95	590,40	596,12	596,65	-0,370	-0,290	-0,390	-0,063	-0,049	-0,065	-0,0589
13-2-14 12:20	8,99	590,40	596,12	596,65	-0,370	-0,290	-0,390	-0,063	-0,049	-0,065	-0,0589
13-2-14 13:40	9,05	590,41	596,12	596,65	-0,360	-0,290	-0,390	-0,061	-0,049	-0,065	-0,0583
13-2-14 14:40	9,09	590,40	596,12	596,65	-0,370	-0,290	-0,390	-0,063	-0,049	-0,065	-0,0589
13-2-14 16:00	9,15	590,40	596,12	596,65	-0,370	-0,290	-0,390	-0,063	-0,049	-0,065	-0,0589
14-2-14 12:10	9,99	590,37	596,08	596,61	-0,400	-0,330	-0,430	-0,068	-0,055	-0,072	-0,0650
14-2-14 13:55	10,06	590,36	596,08	596,60	-0,410	-0,330	-0,440	-0,069	-0,055	-0,074	-0,0661
14-2-14 15:55	10,14	590,36	596,08	596,61	-0,410	-0,330	-0,430	-0,069	-0,055	-0,072	-0,0656
17-2-14 11:40	12,97	590,27	595,99	596,50	-0,500	-0,420	-0,540	-0,085	-0,070	-0,090	-0,0818
17-2-14 13:40	13,05	590,26	595,98	596,50	-0,510	-0,430	-0,540	-0,086	-0,072	-0,090	-0,0830
17-2-14 15:40	13,13	590,26	595,98	596,50	-0,510	-0,430	-0,540	-0,086	-0,072	-0,090	-0,0830
18-2-14 12:00	13,98	590,23	595,95	596,47	-0,540	-0,460	-0,570	-0,091	-0,077	-0,095	-0,0880
18-2-14 14:00	14,06	590,22	595,95	596,46	-0,550	-0,460	-0,580	-0,093	-0,077	-0,097	-0,0891
18-2-14 16:00	14,15	590,22	595,96	596,46	-0,550	-0,450	-0,580	-0,093	-0,075	-0,097	-0,0886
19-2-14 12:20	14,99	590,20	595,93	596,44	-0,570	-0,480	-0,600	-0,096	-0,080	-0,100	-0,0925
19-2-14 16:00	15,15	590,19	595,93	596,44	-0,580	-0,480	-0,600	-0,098	-0,080	-0,100	-0,0931
20-2-14 11:40	15,97	590,17	595,90	596,41	-0,600	-0,510	-0,630	-0,102	-0,086	-0,106	-0,0975
20-2-14 16:00	16,15	590,16	595,89	596,41	-0,610	-0,520	-0,630	-0,103	-0,087	-0,106	-0,0987
21-2-14 11:20	16,95	590,13	595,87	596,38	-0,640	-0,540	-0,660	-0,108	-0,091	-0,111	-0,1031
21-2-14 15:45	17,14	590,13	595,87	596,38	-0,640	-0,540	-0,660	-0,108	-0,091	-0,111	-0,1031
24-2-14 10:30	19,92	590,05	595,80	596,30	-0,720	-0,610	-0,740	-0,122	-0,102	-0,124	-0,1160
24-2-14 15:50	20,14	590,05	595,80	596,30	-0,720	-0,610	-0,740	-0,122	-0,102	-0,124	-0,1160
25-2-14 10:30	20,92	590,02	595,77	596,26	-0,750	-0,640	-0,780	-0,127	-0,107	-0,131	-0,1216
25-2-14 15:00	21,10	590,01	595,76	596,26	-0,760	-0,650	-0,780	-0,129	-0,109	-0,131	-0,1228
26-2-14 10:05	21,90	589,99	595,74	596,24	-0,780	-0,670	-0,800	-0,132	-0,112	-0,134	-0,1261
26-2-14 15:15	22,11	589,98	595,73	596,24	-0,790	-0,680	-0,800	-0,134	-0,114	-0,134	-0,1272
27-2-14 10:20	22,91	589,96	595,71	596,22	-0,810	-0,700	-0,820	-0,137	-0,117	-0,137	-0,1306
27-2-14 15:20	23,12	589,96	595,70	596,21	-0,810	-0,710	-0,830	-0,137	-0,119	-0,139	-0,1317
28-2-14 10:50	23,93	589,95	595,69	596,20	-0,820	-0,720	-0,840	-0,139	-0,121	-0,141	-0,1334
28-2-14 15:30	24,13	589,94	595,69	596,19	-0,830	-0,720	-0,850	-0,140	-0,121	-0,142	-0,1345
3-3-14 10:30	26,92	589,86	595,61	596,13	-0,910	-0,800	-0,910	-0,154	-0,134	-0,152	-0,1469
3-3-14 15:40	27,13	589,85	595,60	596,12	-0,920	-0,810	-0,920	-0,156	-0,136	-0,154	-0,1485
4-3-14 11:15	27,95	589,83	595,57	596,10	-0,940	-0,840	-0,940	-0,159	-0,141	-0,157	-0,1525
4-3-14 15:30	28,13	589,83	595,57	596,10	-0,940	-0,840	-0,940	-0,159	-0,141	-0,157	-0,1525

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
4-2-14 12:30	0,00	603,26	601,98	598,60	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
4-2-14 13:00	0,02	603,26	601,97	598,59	0,000	-0,010	-0,010	0,000	-0,002	-0,002	-0,0011
4-2-14 13:30	0,04	603,25	601,96	598,59	-0,010	-0,020	-0,010	-0,002	-0,003	-0,002	-0,0022
4-2-14 14:00	0,06	603,25	601,97	598,59	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 14:30	0,08	603,25	601,97	598,59	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 15:00	0,10	603,24	601,96	598,58	-0,020	-0,020	-0,020	-0,003	-0,003	-0,003	-0,0033
4-2-14 15:30	0,13	603,25	601,97	598,58	-0,010	-0,010	-0,020	-0,002	-0,002	-0,003	-0,0022
4-2-14 16:00	0,15	603,25	601,97	598,58	-0,010	-0,010	-0,020	-0,002	-0,002	-0,003	-0,0022
4-2-14 17:30	0,21	603,24	601,96	598,58	-0,020	-0,020	-0,020	-0,003	-0,003	-0,003	-0,0033
5-2-14 11:50	0,97	603,21	601,93	598,54	-0,050	-0,050	-0,060	-0,008	-0,008	-0,010	-0,0089
5-2-14 12:30	1,00	603,21	601,93	598,54	-0,050	-0,050	-0,060	-0,008	-0,008	-0,010	-0,0089
5-2-14 13:00	1,02	603,22	601,93	598,54	-0,040	-0,050	-0,060	-0,007	-0,008	-0,010	-0,0083
5-2-14 13:30	1,04	603,21	601,93	598,54	-0,050	-0,050	-0,060	-0,008	-0,008	-0,010	-0,0089
5-2-14 14:00	1,06	603,21	601,93	598,54	-0,050	-0,050	-0,060	-0,008	-0,008	-0,010	-0,0089
5-2-14 14:30	1,08	603,21	601,93	598,54	-0,050	-0,050	-0,060	-0,008	-0,008	-0,010	-0,0089
5-2-14 15:05	1,11	603,22	601,93	598,55	-0,040	-0,050	-0,050	-0,007	-0,008	-0,008	-0,0078
5-2-14 15:35	1,13	603,22	601,93	598,55	-0,040	-0,050	-0,050	-0,007	-0,008	-0,008	-0,0078
6-2-14 10:30	1,92	603,18	601,89	598,51	-0,080	-0,090	-0,090	-0,013	-0,015	-0,015	-0,0144
6-2-14 11:30	1,96	603,18	601,90	598,51	-0,080	-0,080	-0,090	-0,013	-0,013	-0,015	-0,0139
6-2-14 12:30	2,00	603,19	601,91	598,51	-0,070	-0,070	-0,090	-0,012	-0,012	-0,015	-0,0128
6-2-14 13:30	2,04	603,19	601,90	598,50	-0,070	-0,080	-0,100	-0,012	-0,013	-0,017	-0,0139
6-2-14 14:30	2,08	603,18	601,89	598,50	-0,080	-0,090	-0,100	-0,013	-0,015	-0,017	-0,0150
6-2-14 15:30	2,13	603,17	601,89	598,49	-0,090	-0,090	-0,110	-0,015	-0,015	-0,018	-0,0161
7-2-14 11:30	2,96	603,16	601,87	598,47	-0,100	-0,110	-0,130	-0,017	-0,018	-0,022	-0,0189
7-2-14 12:30	3,00	603,15	601,87	598,48	-0,110	-0,110	-0,120	-0,018	-0,018	-0,020	-0,0189
7-2-14 13:30	3,04	603,16	601,87	598,47	-0,100	-0,110	-0,130	-0,017	-0,018	-0,022	-0,0189
7-2-14 14:30	3,08	603,15	601,86	598,47	-0,110	-0,120	-0,130	-0,018	-0,020	-0,022	-0,0200
7-2-14 15:30	3,13	603,16	601,86	598,46	-0,100	-0,120	-0,140	-0,017	-0,020	-0,023	-0,0200
10-2-14 10:40	5,92	603,11	601,83	598,42	-0,150	-0,150	-0,180	-0,025	-0,025	-0,030	-0,0266
10-2-14 11:40	5,97	603,11	601,83	598,41	-0,150	-0,150	-0,190	-0,025	-0,025	-0,032	-0,0272
10-2-14 12:40	6,01	603,11	601,83	598,41	-0,150	-0,150	-0,190	-0,025	-0,025	-0,032	-0,0272
10-2-14 13:40	6,05	603,11	601,83	598,41	-0,150	-0,150	-0,190	-0,025	-0,025	-0,032	-0,0272
10-2-14 15:00	6,10	603,11	601,82	598,41	-0,150	-0,160	-0,190	-0,025	-0,027	-0,032	-0,0277
10-2-14 16:00	6,15	603,11	601,82	598,41	-0,150	-0,160	-0,190	-0,025	-0,027	-0,032	-0,0277
11-2-14 11:20	6,95	603,09	601,81	598,39	-0,170	-0,170	-0,210	-0,028	-0,028	-0,035	-0,0305
11-2-14 12:20	6,99	603,09	601,81	598,39	-0,170	-0,170	-0,210	-0,028	-0,028	-0,035	-0,0305
11-2-14 13:20	7,03	603,09	601,80	598,39	-0,170	-0,180	-0,210	-0,028	-0,030	-0,035	-0,0311
11-2-14 14:45	7,09	603,09	601,80	598,38	-0,170	-0,180	-0,220	-0,028	-0,030	-0,037	-0,0316
11-2-14 15:45	7,14	603,09	601,80	598,38	-0,170	-0,180	-0,220	-0,028	-0,030	-0,037	-0,0316

12-2-14 11:00	7,94	603,09	601,81	598,39	-0,170	-0,170	-0,210	-0,028	-0,028	-0,035	-0,0305
12-2-14 13:50	8,06	603,09	601,81	598,39	-0,170	-0,170	-0,210	-0,028	-0,028	-0,035	-0,0305
12-2-14 14:45	8,09	603,09	601,80	598,39	-0,170	-0,180	-0,210	-0,028	-0,030	-0,035	-0,0311
12-2-14 15:45	8,14	603,09	601,80	598,39	-0,170	-0,180	-0,210	-0,028	-0,030	-0,035	-0,0311
13-2-14 11:20	8,95	603,06	601,78	598,36	-0,200	-0,200	-0,240	-0,033	-0,033	-0,040	-0,0355
13-2-14 12:20	8,99	603,07	601,78	598,36	-0,190	-0,200	-0,240	-0,031	-0,033	-0,040	-0,0349
13-2-14 13:40	9,05	603,07	601,77	598,35	-0,190	-0,210	-0,250	-0,031	-0,035	-0,042	-0,0360
13-2-14 14:40	9,09	603,07	601,77	598,35	-0,190	-0,210	-0,250	-0,031	-0,035	-0,042	-0,0360
13-2-14 16:00	9,15	603,06	601,77	598,35	-0,200	-0,210	-0,250	-0,033	-0,035	-0,042	-0,0366
14-2-14 12:10	9,99	603,04	601,75	598,33	-0,220	-0,230	-0,270	-0,036	-0,038	-0,045	-0,0399
14-2-14 13:55	10,06	603,04	601,75	598,32	-0,220	-0,230	-0,280	-0,036	-0,038	-0,047	-0,0405
14-2-14 15:55	10,14	603,04	601,75	598,32	-0,220	-0,230	-0,280	-0,036	-0,038	-0,047	-0,0405
17-2-14 11:40	12,97	602,98	601,69	598,26	-0,280	-0,290	-0,340	-0,046	-0,048	-0,057	-0,0505
17-2-14 13:40	13,05	602,98	601,69	598,25	-0,280	-0,290	-0,350	-0,046	-0,048	-0,058	-0,0510
17-2-14 15:40	13,13	602,97	601,68	598,24	-0,290	-0,300	-0,360	-0,048	-0,050	-0,060	-0,0527
18-2-14 12:00	13,98	602,95	601,66	598,22	-0,310	-0,320	-0,380	-0,051	-0,053	-0,063	-0,0560
18-2-14 14:00	14,06	602,95	601,66	598,22	-0,310	-0,320	-0,380	-0,051	-0,053	-0,063	-0,0560
18-2-14 16:00	14,15	602,95	601,66	598,21	-0,310	-0,320	-0,390	-0,051	-0,053	-0,065	-0,0566
19-2-14 12:20	14,99	602,94	601,64	598,20	-0,320	-0,340	-0,400	-0,053	-0,056	-0,067	-0,0588
19-2-14 16:00	15,15	602,93	601,64	598,19	-0,330	-0,340	-0,410	-0,055	-0,056	-0,068	-0,0599
20-2-14 11:40	15,97	602,92	601,63	598,17	-0,340	-0,350	-0,430	-0,056	-0,058	-0,072	-0,0621
20-2-14 16:00	16,15	602,92	601,62	598,17	-0,340	-0,360	-0,430	-0,056	-0,060	-0,072	-0,0627
21-2-14 11:20	16,95	602,90	601,60	598,15	-0,360	-0,380	-0,450	-0,060	-0,063	-0,075	-0,0660
21-2-14 15:45	17,14	602,90	601,61	598,15	-0,360	-0,370	-0,450	-0,060	-0,061	-0,075	-0,0654
24-2-14 10:30	19,92	602,85	601,55	598,08	-0,410	-0,430	-0,520	-0,068	-0,071	-0,087	-0,0754
24-2-14 15:50	20,14	602,85	601,55	598,08	-0,410	-0,430	-0,520	-0,068	-0,071	-0,087	-0,0754
25-2-14 10:30	20,92	602,84	601,54	598,07	-0,420	-0,440	-0,530	-0,070	-0,073	-0,089	-0,0771
25-2-14 15:00	21,10	602,83	601,53	598,05	-0,430	-0,450	-0,550	-0,071	-0,075	-0,092	-0,0793
26-2-14 10:05	21,90	602,81	601,51	598,03	-0,450	-0,470	-0,570	-0,075	-0,078	-0,095	-0,0826
26-2-14 15:15	22,11	602,81	601,51	598,03	-0,450	-0,470	-0,570	-0,075	-0,078	-0,095	-0,0826
27-2-14 10:20	22,91	602,79	601,50	598,01	-0,470	-0,480	-0,590	-0,078	-0,080	-0,099	-0,0854
27-2-14 15:20	23,12	602,78	601,49	598,01	-0,480	-0,490	-0,590	-0,080	-0,081	-0,099	-0,0865
28-2-14 10:50	23,93	602,78	601,48	598,00	-0,480	-0,500	-0,600	-0,080	-0,083	-0,100	-0,0876
28-2-14 15:30	24,13	602,78	601,48	597,99	-0,480	-0,500	-0,610	-0,080	-0,083	-0,102	-0,0882
3-3-14 10:30	26,92	602,73	601,43	597,93	-0,530	-0,550	-0,670	-0,088	-0,091	-0,112	-0,0970
3-3-14 15:40	27,13	602,72	601,43	597,93	-0,540	-0,550	-0,670	-0,090	-0,091	-0,112	-0,0976
4-3-14 11:15	27,95	602,71	601,42	597,91	-0,550	-0,560	-0,690	-0,091	-0,093	-0,115	-0,0998
4-3-14 15:30	28,13	602,71	601,41	597,91	-0,550	-0,570	-0,690	-0,091	-0,095	-0,115	-0,1004

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
29-4-14 13:00	0,00	568,50	566,55	569,65	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
29-4-14 13:15	0,01	568,50	566,55	569,65	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
29-4-14 13:45	0,03	568,49	566,54	569,64	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0018
29-4-14 14:00	0,04	568,49	566,53	569,64	-0,010	-0,020	-0,010	-0,002	-0,004	-0,002	-0,0023
29-4-14 14:15	0,05	568,49	566,53	569,63	-0,010	-0,020	-0,020	-0,002	-0,004	-0,004	-0,0029
29-4-14 14:45	0,07	568,49	566,53	569,64	-0,010	-0,020	-0,010	-0,002	-0,004	-0,002	-0,0023
29-4-14 15:15	0,09	568,48	566,53	569,63	-0,020	-0,020	-0,020	-0,004	-0,004	-0,004	-0,0035
29-4-14 15:30	0,10	568,48	566,53	569,63	-0,020	-0,020	-0,020	-0,004	-0,004	-0,004	-0,0035
30-4-14 12:30	0,98	568,43	566,41	569,54	-0,070	-0,140	-0,110	-0,012	-0,025	-0,019	-0,0188
30-4-14 14:30	1,06	568,42	566,40	569,55	-0,080	-0,150	-0,100	-0,014	-0,026	-0,018	-0,0194
30-4-14 15:30	1,10	568,43	566,41	569,55	-0,070	-0,140	-0,100	-0,012	-0,025	-0,018	-0,0182
5-5-14 10:50	5,91	568,21	566,07	569,31	-0,290	-0,480	-0,340	-0,051	-0,085	-0,060	-0,0651
5-5-14 12:50	5,99	568,20	566,06	569,30	-0,300	-0,490	-0,350	-0,053	-0,086	-0,061	-0,0669
5-5-14 16:00	6,13	568,20	566,05	569,30	-0,300	-0,500	-0,350	-0,053	-0,088	-0,061	-0,0675
6-5-14 13:30	7,02	568,16	566,00	569,27	-0,340	-0,550	-0,380	-0,060	-0,097	-0,067	-0,0745
6-5-14 15:00	7,08	568,15	566,00	569,26	-0,350	-0,550	-0,390	-0,062	-0,097	-0,068	-0,0757
7-5-14 9:40	7,86	568,13	565,96	569,24	-0,370	-0,590	-0,410	-0,065	-0,104	-0,072	-0,0804
7-5-14 15:00	8,08	568,10	565,94	569,21	-0,400	-0,610	-0,440	-0,070	-0,108	-0,077	-0,0851
8-5-14 15:00	9,08	568,05	565,90	569,20	-0,450	-0,650	-0,450	-0,079	-0,115	-0,079	-0,0910
9-5-14 13:10	10,01	568,02	565,87	569,17	-0,480	-0,680	-0,480	-0,084	-0,120	-0,084	-0,0962
9-5-14 15:00	10,08	568,01	565,86	569,16	-0,490	-0,690	-0,490	-0,086	-0,122	-0,086	-0,0980
12-5-14 15:00	13,08	567,88	565,75	569,09	-0,620	-0,800	-0,560	-0,109	-0,141	-0,098	-0,1162
13-5-14 16:00	14,13	567,83	565,71	569,06	-0,670	-0,840	-0,590	-0,118	-0,148	-0,104	-0,1232
14-5-14 16:00	15,13	567,78	565,67	569,03	-0,720	-0,880	-0,620	-0,127	-0,155	-0,109	-0,1303
15-5-14 15:30	16,10	567,74	565,64	569,00	-0,760	-0,910	-0,650	-0,134	-0,161	-0,114	-0,1361
16-5-14 15:30	17,10	567,71	565,62	568,98	-0,790	-0,930	-0,670	-0,139	-0,164	-0,118	-0,1402
20-5-14 16:00	21,13	567,55	565,50	568,91	-0,950	-1,050	-0,740	-0,167	-0,185	-0,130	-0,1608
21-5-14 15:30	22,10	567,51	565,47	568,88	-0,990	-1,080	-0,770	-0,174	-0,191	-0,135	-0,1666
22-5-14 11:30	22,94	567,49	565,46	568,87	-1,010	-1,090	-0,780	-0,178	-0,192	-0,137	-0,1690
26-5-14 16:30	27,15	567,33	565,34	568,77	-1,170	-1,210	-0,880	-0,206	-0,214	-0,154	-0,1913
27-5-14 15:30	28,10	567,30	565,32	568,77	-1,200	-1,230	-0,880	-0,211	-0,217	-0,154	-0,1942

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
4-2-14 12:30	0,00	604,28	596,07	607,35	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
4-2-14 13:00	0,02	604,27	596,06	607,34	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 13:30	0,04	604,27	596,06	607,34	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 14:00	0,06	604,27	596,06	607,34	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 14:30	0,08	604,27	596,06	607,34	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 15:00	0,10	604,27	596,06	607,34	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 15:30	0,13	604,27	596,06	607,34	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
4-2-14 16:00	0,15	604,26	596,05	607,33	-0,020	-0,020	-0,020	-0,003	-0,003	-0,003	-0,0033
4-2-14 17:30	0,21	604,26	596,05	607,33	-0,020	-0,020	-0,020	-0,003	-0,003	-0,003	-0,0033
5-2-14 11:50	0,97	604,22	596,02	607,29	-0,060	-0,050	-0,060	-0,010	-0,008	-0,010	-0,0094
5-2-14 12:30	1,00	604,22	596,03	607,29	-0,060	-0,040	-0,060	-0,010	-0,007	-0,010	-0,0088
5-2-14 13:00	1,02	604,22	596,02	607,28	-0,060	-0,050	-0,070	-0,010	-0,008	-0,012	-0,0099
5-2-14 13:30	1,04	604,22	596,03	607,29	-0,060	-0,040	-0,060	-0,010	-0,007	-0,010	-0,0088
5-2-14 14:00	1,06	604,22	596,03	607,29	-0,060	-0,040	-0,060	-0,010	-0,007	-0,010	-0,0088
5-2-14 14:30	1,08	604,22	596,03	607,29	-0,060	-0,040	-0,060	-0,010	-0,007	-0,010	-0,0088
5-2-14 15:05	1,11	604,22	596,02	607,28	-0,060	-0,050	-0,070	-0,010	-0,008	-0,012	-0,0099
5-2-14 15:35	1,13	604,22	596,02	607,28	-0,060	-0,050	-0,070	-0,010	-0,008	-0,012	-0,0099
6-2-14 10:30	1,92	604,18	595,99	607,24	-0,100	-0,080	-0,110	-0,017	-0,013	-0,018	-0,0160
6-2-14 11:30	1,96	604,18	595,99	607,25	-0,100	-0,080	-0,100	-0,017	-0,013	-0,016	-0,0155
6-2-14 12:30	2,00	604,20	596,01	607,25	-0,080	-0,060	-0,100	-0,013	-0,010	-0,016	-0,0133
6-2-14 13:30	2,04	604,18	595,99	607,24	-0,100	-0,080	-0,110	-0,017	-0,013	-0,018	-0,0160
6-2-14 14:30	2,08	604,18	596,00	607,24	-0,100	-0,070	-0,110	-0,017	-0,012	-0,018	-0,0155
6-2-14 15:30	2,13	604,18	595,99	607,23	-0,100	-0,080	-0,120	-0,017	-0,013	-0,020	-0,0166
7-2-14 11:30	2,96	604,15	595,97	607,20	-0,130	-0,100	-0,150	-0,022	-0,017	-0,025	-0,0210
7-2-14 12:30	3,00	604,15	595,97	607,20	-0,130	-0,100	-0,150	-0,022	-0,017	-0,025	-0,0210
7-2-14 13:30	3,04	604,15	595,97	607,19	-0,130	-0,100	-0,160	-0,022	-0,017	-0,026	-0,0215
7-2-14 14:30	3,08	604,14	595,96	607,19	-0,140	-0,110	-0,160	-0,023	-0,018	-0,026	-0,0227
7-2-14 15:30	3,13	604,15	595,97	607,20	-0,130	-0,100	-0,150	-0,022	-0,017	-0,025	-0,0210
10-2-14 10:40	5,92	604,08	595,92	607,09	-0,200	-0,150	-0,260	-0,033	-0,025	-0,043	-0,0337
10-2-14 11:40	5,97	604,08	595,91	607,09	-0,200	-0,160	-0,260	-0,033	-0,027	-0,043	-0,0342
10-2-14 12:40	6,01	604,08	595,91	607,09	-0,200	-0,160	-0,260	-0,033	-0,027	-0,043	-0,0342
10-2-14 13:40	6,05	604,08	595,91	607,09	-0,200	-0,160	-0,260	-0,033	-0,027	-0,043	-0,0342
10-2-14 15:00	6,10	604,07	595,91	607,09	-0,210	-0,160	-0,260	-0,035	-0,027	-0,043	-0,0348
10-2-14 16:00	6,15	604,07	595,91	607,09	-0,210	-0,160	-0,260	-0,035	-0,027	-0,043	-0,0348
11-2-14 11:20	6,95	604,05	595,89	607,07	-0,230	-0,180	-0,280	-0,038	-0,030	-0,046	-0,0381
11-2-14 12:20	6,99	604,05	595,89	607,07	-0,230	-0,180	-0,280	-0,038	-0,030	-0,046	-0,0381
11-2-14 13:20	7,03	604,05	595,90	607,07	-0,230	-0,170	-0,280	-0,038	-0,029	-0,046	-0,0376

11-2-14 14:45	7,09	604,05	595,90	607,06	-0,230	-0,170	-0,290	-0,038	-0,029	-0,048	-0,0381
11-2-14 15:45	7,14	604,05	595,90	607,06	-0,230	-0,170	-0,290	-0,038	-0,029	-0,048	-0,0381
12-2-14 11:00	7,94	604,04	595,89	607,05	-0,240	-0,180	-0,300	-0,040	-0,030	-0,049	-0,0398
12-2-14 13:50	8,06	604,04	595,89	607,05	-0,240	-0,180	-0,300	-0,040	-0,030	-0,049	-0,0398
12-2-14 14:45	8,09	604,03	595,88	607,04	-0,250	-0,190	-0,310	-0,041	-0,032	-0,051	-0,0414
12-2-14 15:45	8,14	604,03	595,88	607,04	-0,250	-0,190	-0,310	-0,041	-0,032	-0,051	-0,0414
13-2-14 11:20	8,95	604,00	595,86	607,00	-0,280	-0,210	-0,350	-0,046	-0,035	-0,058	-0,0464
13-2-14 12:20	8,99	604,00	595,86	607,00	-0,280	-0,210	-0,350	-0,046	-0,035	-0,058	-0,0464
13-2-14 13:40	9,05	604,00	595,86	607,00	-0,280	-0,210	-0,350	-0,046	-0,035	-0,058	-0,0464
13-2-14 14:40	9,09	604,00	595,86	607,00	-0,280	-0,210	-0,350	-0,046	-0,035	-0,058	-0,0464
13-2-14 16:00	9,15	604,00	595,86	607,00	-0,280	-0,210	-0,350	-0,046	-0,035	-0,058	-0,0464
14-2-14 12:10	9,99	603,97	595,84	606,97	-0,310	-0,230	-0,380	-0,051	-0,039	-0,063	-0,0508
14-2-14 13:55	10,06	603,96	595,83	606,96	-0,320	-0,240	-0,390	-0,053	-0,040	-0,064	-0,0525
14-2-14 15:55	10,14	603,96	595,84	606,96	-0,320	-0,230	-0,390	-0,053	-0,039	-0,064	-0,0519
17-2-14 11:40	12,97	603,88	595,78	606,86	-0,400	-0,290	-0,490	-0,066	-0,049	-0,081	-0,0652
17-2-14 13:40	13,05	603,88	595,78	606,86	-0,400	-0,290	-0,490	-0,066	-0,049	-0,081	-0,0652
17-2-14 15:40	13,13	603,88	595,77	606,86	-0,400	-0,300	-0,490	-0,066	-0,050	-0,081	-0,0657
18-2-14 12:00	13,98	603,85	595,75	606,83	-0,430	-0,320	-0,520	-0,071	-0,054	-0,086	-0,0702
18-2-14 14:00	14,06	603,85	595,75	606,83	-0,430	-0,320	-0,520	-0,071	-0,054	-0,086	-0,0702
18-2-14 16:00	14,15	603,84	595,75	606,82	-0,440	-0,320	-0,530	-0,073	-0,054	-0,087	-0,0713
19-2-14 12:20	14,99	603,83	595,74	606,80	-0,450	-0,330	-0,550	-0,074	-0,055	-0,091	-0,0735
19-2-14 16:00	15,15	603,82	595,73	606,79	-0,460	-0,340	-0,560	-0,076	-0,057	-0,092	-0,0751
20-2-14 11:40	15,97	603,79	595,71	606,77	-0,490	-0,360	-0,580	-0,081	-0,060	-0,095	-0,0790
20-2-14 16:00	16,15	603,79	595,71	606,77	-0,490	-0,360	-0,580	-0,081	-0,060	-0,095	-0,0790
21-2-14 11:20	16,95	603,77	595,69	606,74	-0,510	-0,380	-0,610	-0,084	-0,064	-0,100	-0,0829
21-2-14 15:45	17,14	603,77	595,69	606,73	-0,510	-0,380	-0,620	-0,084	-0,064	-0,102	-0,0834
24-2-14 10:30	19,92	603,70	595,64	606,66	-0,580	-0,430	-0,690	-0,096	-0,072	-0,114	-0,0939
24-2-14 15:50	20,14	603,70	595,64	606,65	-0,580	-0,430	-0,700	-0,096	-0,072	-0,115	-0,0945
25-2-14 10:30	20,92	603,68	595,62	606,63	-0,600	-0,450	-0,720	-0,099	-0,075	-0,119	-0,0978
25-2-14 15:00	21,10	603,67	595,61	606,62	-0,610	-0,460	-0,730	-0,101	-0,077	-0,120	-0,0994
26-2-14 10:05	21,90	603,65	595,60	606,60	-0,630	-0,470	-0,750	-0,104	-0,079	-0,123	-0,1022
26-2-14 15:15	22,11	603,64	595,59	606,59	-0,640	-0,480	-0,760	-0,106	-0,081	-0,125	-0,1039
27-2-14 10:20	22,91	603,63	595,57	606,57	-0,650	-0,500	-0,780	-0,108	-0,084	-0,128	-0,1066
27-2-14 15:20	23,12	603,62	595,57	606,57	-0,660	-0,500	-0,780	-0,109	-0,084	-0,128	-0,1072
28-2-14 10:50	23,93	603,61	595,56	606,57	-0,670	-0,510	-0,780	-0,111	-0,086	-0,128	-0,1083
28-2-14 15:30	24,13	603,60	595,55	606,54	-0,680	-0,520	-0,810	-0,113	-0,087	-0,133	-0,1110
3-3-14 10:30	26,92	603,55	595,51	606,46	-0,730	-0,560	-0,890	-0,121	-0,094	-0,147	-0,1204
3-3-14 15:40	27,13	603,53	595,50	606,45	-0,750	-0,570	-0,900	-0,124	-0,096	-0,148	-0,1226
4-3-14 11:15	27,95	603,52	595,49	606,44	-0,760	-0,580	-0,910	-0,126	-0,097	-0,150	-0,1243
4-3-14 15:30	28,13	603,52	595,49	606,44	-0,760	-0,580	-0,910	-0,126	-0,097	-0,150	-0,1243

POW
AUTO

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:20	0,00	591,58	592,80	589,31	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
9-6-15 12:00	0,03	591,57	592,79	589,30	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
9-6-15 13:15	0,08	591,56	592,79	589,28	-0,020	-0,010	-0,030	-0,003	-0,002	-0,005	-0,0034
9-6-15 13:50	0,10	591,56	592,78	589,26	-0,020	-0,020	-0,050	-0,003	-0,003	-0,008	-0,0051
9-6-15 14:20	0,13	591,56	592,78	589,25	-0,020	-0,020	-0,060	-0,003	-0,003	-0,010	-0,0056
9-6-15 15:00	0,15	591,56	592,77	589,24	-0,020	-0,030	-0,070	-0,003	-0,005	-0,012	-0,0068
9-6-15 15:35	0,18	591,55	592,77	589,21	-0,030	-0,030	-0,100	-0,005	-0,005	-0,017	-0,0090
10-6-15 10:50	0,98	591,43	592,63	588,82	-0,150	-0,170	-0,490	-0,025	-0,029	-0,083	-0,0457
10-6-15 11:30	1,01	591,41	592,62	588,78	-0,170	-0,180	-0,530	-0,029	-0,030	-0,090	-0,0497
10-6-15 12:10	1,03	591,40	592,62	588,78	-0,180	-0,180	-0,530	-0,030	-0,030	-0,090	-0,0502
10-6-15 12:50	1,06	591,40	592,61	588,77	-0,180	-0,190	-0,540	-0,030	-0,032	-0,092	-0,0514
10-6-15 13:40	1,10	591,40	592,60	588,75	-0,180	-0,200	-0,560	-0,030	-0,034	-0,095	-0,0531
10-6-15 14:20	1,13	591,40	592,60	588,74	-0,180	-0,200	-0,570	-0,030	-0,034	-0,097	-0,0536
10-6-15 15:05	1,16	591,40	592,60	588,73	-0,180	-0,200	-0,580	-0,030	-0,034	-0,098	-0,0542
11-6-15 15:05	2,16	591,23	592,42	588,26	-0,350	-0,380	-1,050	-0,059	-0,064	-0,178	-0,1005
11-6-15 15:55	2,19	591,23	592,42	588,26	-0,350	-0,380	-1,050	-0,059	-0,064	-0,178	-0,1005
12-6-15 9:45	2,93	591,11	592,29	587,96	-0,470	-0,510	-1,350	-0,079	-0,086	-0,229	-0,1315
12-6-15 10:35	2,97	591,11	592,27	587,94	-0,470	-0,530	-1,370	-0,079	-0,089	-0,232	-0,1338
12-6-15 13:45	3,10	591,09	592,26	587,90	-0,490	-0,540	-1,410	-0,083	-0,091	-0,239	-0,1377
12-6-15 15:05	3,16	591,09	592,25	587,88	-0,490	-0,550	-1,430	-0,083	-0,093	-0,243	-0,1394
15-6-15 10:30	5,97	590,68	591,82	587,03	-0,900	-0,980	-2,280	-0,152	-0,165	-0,387	-0,2348
15-6-15 13:00	6,07	590,68	591,81	587,02	-0,900	-0,990	-2,290	-0,152	-0,167	-0,389	-0,2359
15-6-15 15:40	6,18	590,66	591,80	586,99	-0,920	-1,000	-2,320	-0,156	-0,169	-0,394	-0,2393
16-6-15 9:40	6,93	590,55	591,68	586,80	-1,030	-1,120	-2,510	-0,174	-0,189	-0,426	-0,2630
16-6-15 15:15	7,16	590,51	591,65	586,73	-1,070	-1,150	-2,580	-0,181	-0,194	-0,438	-0,2709
17-6-15 9:50	7,94	590,38	591,52	586,55	-1,200	-1,280	-2,760	-0,203	-0,216	-0,468	-0,2957
17-6-15 14:10	8,12	590,36	591,50	586,50	-1,220	-1,300	-2,810	-0,206	-0,219	-0,477	-0,3008
22-6-15 12:15	13,04	589,76	590,91	585,62	-1,820	-1,890	-3,690	-0,308	-0,319	-0,626	-0,4175
23-6-15 10:05	13,95	589,66	590,81	585,44	-1,920	-1,990	-3,870	-0,325	-0,336	-0,657	-0,4390
23-6-15 15:40	14,18	589,64	590,79	585,41	-1,940	-2,010	-3,900	-0,328	-0,339	-0,662	-0,4429
24-6-15 10:20	14,96	589,56	590,73	585,30	-2,020	-2,070	-4,010	-0,341	-0,349	-0,680	-0,4570
24-6-15 15:35	15,18	589,52	590,70	585,27	-2,060	-2,100	-4,040	-0,348	-0,354	-0,686	-0,4627
25-6-15 12:05	16,03	589,01	590,63	585,24	-2,570	-2,170	-4,070	-0,434	-0,366	-0,691	-0,4970
26-6-15 10:15	16,95	588,94	590,59	585,20	-2,640	-2,210	-4,110	-0,446	-0,373	-0,697	-0,5055
26-6-15 15:20	17,17	588,93	590,58	585,19	-2,650	-2,220	-4,120	-0,448	-0,374	-0,699	-0,5072
29-6-15 9:35	19,93	588,82	589,98	585,11	-2,760	-2,820	-4,200	-0,467	-0,476	-0,713	-0,5517
29-6-15 14:45	20,14	588,81	589,97	585,10	-2,770	-2,830	-4,210	-0,468	-0,477	-0,714	-0,5533

30-6-15 10:20	20,96	588,80	589,96	585,09	-2,780	-2,840	-4,220	-0,470	-0,479	-0,716	-0,5550
30-6-15 14:55	21,15	588,78	589,94	585,07	-2,800	-2,860	-4,240	-0,473	-0,482	-0,719	-0,5584
1-7-15 9:50	21,94	588,77	589,93	585,06	-2,810	-2,870	-4,250	-0,475	-0,484	-0,721	-0,5601
1-7-15 13:50	22,10	588,77	589,92	585,06	-2,810	-2,880	-4,250	-0,475	-0,486	-0,721	-0,5607
2-7-15 9:50	22,94	588,75	589,88	585,05	-2,830	-2,920	-4,260	-0,478	-0,493	-0,723	-0,5646
2-7-15 15:10	23,16	588,74	589,88	585,04	-2,840	-2,920	-4,270	-0,480	-0,493	-0,725	-0,5657
3-7-15 8:50	23,90	588,72	589,88	585,03	-2,860	-2,920	-4,280	-0,483	-0,493	-0,726	-0,5674
6-7-15 9:40	26,93	588,66	589,82	585,01	-2,920	-2,980	-4,300	-0,494	-0,503	-0,730	-0,5753
6-7-15 15:30	27,17	588,65	589,81	585,01	-2,930	-2,990	-4,300	-0,495	-0,504	-0,730	-0,5764
7-7-15 10:55	27,98	588,62	589,79	584,98	-2,960	-3,010	-4,330	-0,500	-0,508	-0,735	-0,5810
7-7-15 15:30	28,17	588,64	589,80	584,99	-2,940	-3,000	-4,320	-0,497	-0,506	-0,733	-0,5787

ST+SIS.SAT

AUTO

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	634,21	636,48	636,92	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
5-5-15 12:10	0,02	634,20	636,48	636,91	-0,010	0,000	-0,010	-0,002	0,000	-0,002	-0,0010
5-5-15 12:40	0,04	634,19	636,48	636,91	-0,020	0,000	-0,010	-0,003	0,000	-0,002	-0,0016
5-5-15 13:10	0,06	634,19	636,47	636,91	-0,020	-0,010	-0,010	-0,003	-0,002	-0,002	-0,0021
5-5-15 13:40	0,08	634,18	636,47	636,90	-0,030	-0,010	-0,020	-0,005	-0,002	-0,003	-0,0031
5-5-15 14:10	0,10	634,17	636,46	636,89	-0,040	-0,020	-0,030	-0,006	-0,003	-0,005	-0,0047
5-5-15 14:40	0,13	634,17	636,46	636,89	-0,040	-0,020	-0,030	-0,006	-0,003	-0,005	-0,0047
5-5-15 15:10	0,15	634,16	636,46	636,88	-0,050	-0,020	-0,040	-0,008	-0,003	-0,006	-0,0058
5-5-15 15:40	0,17	634,16	636,46	636,88	-0,050	-0,020	-0,040	-0,008	-0,003	-0,006	-0,0058
5-5-15 16:10	0,19	634,15	636,45	636,87	-0,060	-0,030	-0,050	-0,009	-0,005	-0,008	-0,0073
5-5-15 16:40	0,21	634,15	636,44	636,87	-0,060	-0,040	-0,050	-0,009	-0,006	-0,008	-0,0079
6-5-15 10:20	0,94	633,93	636,36	636,74	-0,280	-0,120	-0,180	-0,044	-0,019	-0,028	-0,0304
6-5-15 10:50	0,97	633,93	636,36	636,74	-0,280	-0,120	-0,180	-0,044	-0,019	-0,028	-0,0304
6-5-15 11:20	0,99	633,92	636,35	636,73	-0,290	-0,130	-0,190	-0,046	-0,020	-0,030	-0,0320
6-5-15 11:50	1,01	633,92	636,35	636,72	-0,290	-0,130	-0,200	-0,046	-0,020	-0,031	-0,0325
6-5-15 12:20	1,03	633,90	636,35	636,72	-0,310	-0,130	-0,200	-0,049	-0,020	-0,031	-0,0336
6-5-15 12:50	1,05	633,90	636,35	636,72	-0,310	-0,130	-0,200	-0,049	-0,020	-0,031	-0,0336
6-5-15 13:20	1,07	633,89	636,34	636,71	-0,320	-0,140	-0,210	-0,050	-0,022	-0,033	-0,0351
6-5-15 13:50	1,09	633,89	636,34	636,71	-0,320	-0,140	-0,210	-0,050	-0,022	-0,033	-0,0351
6-5-15 14:20	1,11	633,88	636,34	636,70	-0,330	-0,140	-0,220	-0,052	-0,022	-0,035	-0,0362
6-5-15 14:50	1,13	633,88	636,34	636,70	-0,330	-0,140	-0,220	-0,052	-0,022	-0,035	-0,0362
6-5-15 15:20	1,15	633,87	636,34	636,69	-0,340	-0,140	-0,230	-0,054	-0,022	-0,036	-0,0372
6-5-15 15:50	1,17	633,86	636,33	636,69	-0,350	-0,150	-0,230	-0,055	-0,024	-0,036	-0,0383
6-5-15 16:20	1,19	633,86	636,33	636,69	-0,350	-0,150	-0,230	-0,055	-0,024	-0,036	-0,0383

7-5-15 10:20	1,94	633,64	636,24	636,56	-0,570	-0,240	-0,360	-0,090	-0,038	-0,057	-0,0614
7-5-15 11:20	1,99	633,63	636,23	636,55	-0,580	-0,250	-0,370	-0,091	-0,039	-0,058	-0,0629
7-5-15 12:20	2,03	633,62	636,23	636,54	-0,590	-0,250	-0,380	-0,093	-0,039	-0,060	-0,0640
7-5-15 13:20	2,07	633,61	636,23	636,53	-0,600	-0,250	-0,390	-0,095	-0,039	-0,061	-0,0650
7-5-15 14:20	2,11	633,60	636,23	636,53	-0,610	-0,250	-0,390	-0,096	-0,039	-0,061	-0,0656
7-5-15 15:20	2,15	633,59	636,22	636,52	-0,620	-0,260	-0,400	-0,098	-0,041	-0,063	-0,0671
11-5-15 14:50	6,13	632,75	635,88	636,00	-1,460	-0,600	-0,920	-0,230	-0,094	-0,144	-0,1563
11-5-15 16:50	6,22	632,74	635,88	636,00	-1,470	-0,600	-0,920	-0,232	-0,094	-0,144	-0,1568
12-5-15 10:20	6,94	632,63	635,83	635,93	-1,580	-0,650	-0,990	-0,249	-0,102	-0,155	-0,1689
12-5-15 12:20	7,03	632,61	635,82	635,92	-1,600	-0,660	-1,000	-0,252	-0,104	-0,157	-0,1710
12-5-15 14:20	7,11	632,60	635,82	635,92	-1,610	-0,660	-1,000	-0,254	-0,104	-0,157	-0,1715
12-5-15 16:20	7,19	632,58	635,81	635,90	-1,630	-0,670	-1,020	-0,257	-0,105	-0,160	-0,1741
13-5-15 10:00	7,93	632,48	635,77	635,83	-1,730	-0,710	-1,090	-0,273	-0,112	-0,171	-0,1852
13-5-15 12:00	8,01	632,46	635,76	635,82	-1,750	-0,720	-1,100	-0,276	-0,113	-0,173	-0,1873
13-5-15 14:00	8,10	632,46	635,76	635,82	-1,750	-0,720	-1,100	-0,276	-0,113	-0,173	-0,1873
14-5-15 8:50	8,88	632,34	635,71	635,76	-1,870	-0,770	-1,160	-0,295	-0,121	-0,182	-0,1993
14-5-15 10:50	8,97	632,34	635,71	635,75	-1,870	-0,770	-1,170	-0,295	-0,121	-0,184	-0,1998
14-5-15 12:50	9,05	632,33	635,71	635,75	-1,880	-0,770	-1,170	-0,296	-0,121	-0,184	-0,2004
15-5-15 9:00	9,89	632,22	635,66	635,68	-1,990	-0,820	-1,240	-0,314	-0,129	-0,195	-0,2124
15-5-15 11:00	9,97	632,22	635,66	635,68	-1,990	-0,820	-1,240	-0,314	-0,129	-0,195	-0,2124
15-5-15 13:00	10,06	632,21	635,65	635,68	-2,000	-0,830	-1,240	-0,315	-0,130	-0,195	-0,2135
18-5-15 8:50	12,88	631,91	635,51	635,48	-2,300	-0,970	-1,440	-0,363	-0,152	-0,226	-0,2470
18-5-15 15:50	13,17	631,87	635,49	635,44	-2,340	-0,990	-1,480	-0,369	-0,156	-0,232	-0,2523
19-5-15 12:10	14,02	631,84	635,45	635,40	-2,370	-1,030	-1,520	-0,374	-0,162	-0,239	-0,2581
19-5-15 14:10	14,10	631,83	635,44	635,40	-2,380	-1,040	-1,520	-0,375	-0,163	-0,239	-0,2591
19-5-15 16:10	14,19	631,83	635,44	635,39	-2,380	-1,040	-1,530	-0,375	-0,163	-0,240	-0,2596
20-5-15 11:10	14,98	631,76	635,41	635,37	-2,450	-1,070	-1,550	-0,386	-0,168	-0,243	-0,2659
20-5-15 13:10	15,06	631,75	635,40	635,36	-2,460	-1,080	-1,560	-0,388	-0,170	-0,245	-0,2675
21-5-15 10:00	15,93	631,61	635,33	635,29	-2,600	-1,150	-1,630	-0,410	-0,181	-0,256	-0,2822
21-5-15 12:00	16,01	631,60	635,33	635,28	-2,610	-1,150	-1,640	-0,412	-0,181	-0,257	-0,2832
25-5-15 8:50	19,88	631,38	635,19	635,11	-2,830	-1,290	-1,810	-0,446	-0,203	-0,284	-0,3110
25-5-15 12:45	20,05	631,36	635,18	635,10	-2,850	-1,300	-1,820	-0,449	-0,204	-0,286	-0,3131
26-5-15 10:25	20,95	631,30	635,15	635,06	-2,910	-1,330	-1,860	-0,459	-0,209	-0,292	-0,3199
26-5-15 12:25	21,03	631,30	635,14	635,05	-2,910	-1,340	-1,870	-0,459	-0,211	-0,294	-0,3210
26-5-15 15:25	21,16	631,29	635,15	635,05	-2,920	-1,330	-1,870	-0,460	-0,209	-0,294	-0,3210
27-5-15 11:05	21,98	631,24	635,12	635,02	-2,970	-1,360	-1,900	-0,468	-0,214	-0,298	-0,3268
27-5-15 13:05	22,06	631,23	635,11	635,01	-2,980	-1,370	-1,910	-0,470	-0,215	-0,300	-0,3283
27-5-15 15:05	22,14	631,23	635,11	635,01	-2,980	-1,370	-1,910	-0,470	-0,215	-0,300	-0,3283
28-5-15 10:50	22,97	631,17	635,08	634,97	-3,040	-1,400	-1,950	-0,479	-0,220	-0,306	-0,3352
28-5-15 12:50	23,05	631,16	635,07	634,96	-3,050	-1,410	-1,960	-0,481	-0,222	-0,308	-0,3367
28-5-15 14:50	23,13	631,16	635,07	634,96	-3,050	-1,410	-1,960	-0,481	-0,222	-0,308	-0,3367
29-5-15 11:40	24,00	631,09	635,04	634,92	-3,120	-1,440	-2,000	-0,492	-0,226	-0,314	-0,3441
29-5-15 13:45	24,09	631,09	635,04	634,91	-3,120	-1,440	-2,010	-0,492	-0,226	-0,316	-0,3446

29-5-15 13:45	24,09	631,08	635,03	634,91	-3,130	-1,450	-2,010	-0,494	-0,228	-0,316	-0,3456
3-6-15 10:40	28,96	630,81	634,89	634,73	-3,400	-1,590	-2,190	-0,536	-0,250	-0,344	-0,3766

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AUTO

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
5-5-15 11:40	0,00	611,44	618,61	617,45	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
5-5-15 12:10	0,02	611,43	618,61	617,45	-0,010	0,000	0,000	-0,002	0,000	0,000	-0,0005
5-5-15 12:40	0,04	611,43	618,42	617,45	-0,010	-0,190	0,000	-0,002	-0,031	0,000	-0,0108
5-5-15 13:10	0,06	611,42	618,41	617,45	-0,020	-0,200	0,000	-0,003	-0,032	0,000	-0,0119
5-5-15 13:40	0,08	611,41	618,39	617,44	-0,030	-0,220	-0,010	-0,005	-0,036	-0,002	-0,0140
5-5-15 14:10	0,10	611,40	618,37	617,44	-0,040	-0,240	-0,010	-0,007	-0,039	-0,002	-0,0157
5-5-15 14:40	0,13	611,39	618,35	617,43	-0,050	-0,260	-0,020	-0,008	-0,042	-0,003	-0,0178
5-5-15 15:10	0,15	611,37	618,33	617,43	-0,070	-0,280	-0,020	-0,011	-0,045	-0,003	-0,0200
5-5-15 15:40	0,17	611,37	618,32	617,42	-0,070	-0,290	-0,030	-0,011	-0,047	-0,005	-0,0211
5-5-15 16:10	0,19	611,37	618,30	617,42	-0,070	-0,310	-0,030	-0,011	-0,050	-0,005	-0,0221
5-5-15 16:40	0,21	611,36	618,29	617,42	-0,080	-0,320	-0,030	-0,013	-0,052	-0,005	-0,0232
6-5-15 10:20	0,94	611,09	617,82	617,28	-0,350	-0,790	-0,170	-0,057	-0,128	-0,028	-0,0708
6-5-15 10:50	0,97	611,09	617,82	617,28	-0,350	-0,790	-0,170	-0,057	-0,128	-0,028	-0,0708
6-5-15 11:20	0,99	611,08	617,81	617,28	-0,360	-0,800	-0,170	-0,059	-0,129	-0,028	-0,0719
6-5-15 11:50	1,01	611,07	617,79	617,27	-0,370	-0,820	-0,180	-0,061	-0,133	-0,029	-0,0741
6-5-15 12:20	1,03	611,06	617,78	617,27	-0,380	-0,830	-0,180	-0,062	-0,134	-0,029	-0,0752
6-5-15 12:50	1,05	611,06	617,76	617,27	-0,380	-0,850	-0,180	-0,062	-0,137	-0,029	-0,0762
6-5-15 13:20	1,07	611,04	617,75	617,25	-0,400	-0,860	-0,200	-0,065	-0,139	-0,032	-0,0789
6-5-15 13:50	1,09	611,04	617,74	617,25	-0,400	-0,870	-0,200	-0,065	-0,141	-0,032	-0,0795
6-5-15 14:20	1,11	611,03	617,73	617,25	-0,410	-0,880	-0,200	-0,067	-0,142	-0,032	-0,0806
6-5-15 14:50	1,13	611,02	617,71	617,25	-0,420	-0,900	-0,200	-0,069	-0,145	-0,032	-0,0822
6-5-15 15:20	1,15	611,02	617,70	617,24	-0,420	-0,910	-0,210	-0,069	-0,147	-0,034	-0,0833
6-5-15 15:50	1,17	611,02	617,70	617,24	-0,420	-0,910	-0,210	-0,069	-0,147	-0,034	-0,0833
6-5-15 16:20	1,19	611,02	617,69	617,24	-0,420	-0,920	-0,210	-0,069	-0,149	-0,034	-0,0838
7-5-15 10:15	1,94	610,77	617,30	617,09	-0,670	-1,310	-0,360	-0,110	-0,212	-0,058	-0,1265
7-5-15 11:15	1,98	610,76	617,28	617,09	-0,680	-1,330	-0,360	-0,111	-0,215	-0,058	-0,1282
7-5-15 12:15	2,02	610,75	617,26	617,08	-0,690	-1,350	-0,370	-0,113	-0,218	-0,060	-0,1303
7-5-15 13:15	2,07	610,73	617,24	617,07	-0,710	-1,370	-0,380	-0,116	-0,221	-0,062	-0,1330
7-5-15 14:15	2,11	610,73	617,23	617,07	-0,710	-1,380	-0,380	-0,116	-0,223	-0,062	-0,1336
7-5-15 15:15	2,15	610,71	617,21	617,06	-0,730	-1,400	-0,390	-0,119	-0,226	-0,063	-0,1363
11-5-15 14:45	6,13	609,87	615,92	616,50	-1,570	-2,690	-0,950	-0,257	-0,435	-0,154	-0,2818
11-5-15 16:45	6,21	609,85	615,90	616,48	-1,590	-2,710	-0,970	-0,260	-0,438	-0,157	-0,2851
12-5-15 10:15	6,94	609,75	615,75	616,40	-1,690	-2,860	-1,050	-0,276	-0,462	-0,170	-0,3029
12-5-15 12:15	7,02	609,73	615,73	616,39	-1,710	-2,880	-1,060	-0,280	-0,466	-0,172	-0,3056

12-5-15 14:15	7,11	609,71	615,70	616,38	-1,730	-2,910	-1,070	-0,283	-0,470	-0,173	-0,3089
12-5-15 16:15	7,19	609,71	615,70	616,38	-1,730	-2,910	-1,070	-0,283	-0,470	-0,173	-0,3089
13-5-15 10:00	7,93	609,60	615,54	616,29	-1,840	-3,070	-1,160	-0,301	-0,496	-0,188	-0,3284
13-5-15 12:00	8,01	609,58	615,52	616,28	-1,860	-3,090	-1,170	-0,304	-0,500	-0,189	-0,3311
13-5-15 14:00	8,10	609,58	615,52	616,28	-1,860	-3,090	-1,170	-0,304	-0,500	-0,189	-0,3311
14-5-15 8:45	8,88	609,46	615,38	616,21	-1,980	-3,230	-1,240	-0,324	-0,522	-0,201	-0,3489
14-5-15 10:45	8,96	609,45	615,37	616,19	-1,990	-3,240	-1,260	-0,325	-0,524	-0,204	-0,3511
14-5-15 12:45	9,05	609,44	615,35	616,19	-2,000	-3,260	-1,260	-0,327	-0,527	-0,204	-0,3527
15-5-15 9:00	9,89	609,33	615,22	616,11	-2,110	-3,390	-1,340	-0,345	-0,548	-0,217	-0,3700
15-5-15 11:00	9,97	609,32	615,21	616,10	-2,120	-3,400	-1,350	-0,347	-0,550	-0,219	-0,3717
15-5-15 13:30	10,08	609,31	615,19	616,10	-2,130	-3,420	-1,350	-0,348	-0,553	-0,219	-0,3733
18-5-15 8:50	12,88	608,99	614,83	615,86	-2,450	-3,780	-1,590	-0,401	-0,611	-0,258	-0,4231
18-5-15 15:50	13,17	608,96	614,80	615,84	-2,480	-3,810	-1,610	-0,406	-0,616	-0,261	-0,4274
19-5-15 12:15	14,02	608,90	614,72	615,78	-2,540	-3,890	-1,670	-0,415	-0,629	-0,270	-0,4382
19-5-15 14:10	14,10	608,89	614,71	615,77	-2,550	-3,900	-1,680	-0,417	-0,630	-0,272	-0,4399
19-5-15 16:10	14,19	608,89	614,71	615,77	-2,550	-3,900	-1,680	-0,417	-0,630	-0,272	-0,4399
20-5-15 11:05	14,98	608,82	614,63	615,72	-2,620	-3,980	-1,730	-0,428	-0,643	-0,280	-0,4507
20-5-15 13:05	15,06	608,81	614,62	615,72	-2,630	-3,990	-1,730	-0,430	-0,645	-0,280	-0,4518
21-5-15 10:00	15,93	608,79	614,54	615,60	-2,650	-4,070	-1,850	-0,433	-0,658	-0,300	-0,4636
21-5-15 12:00	16,01	608,79	614,54	615,59	-2,650	-4,070	-1,860	-0,433	-0,658	-0,301	-0,4642
21-5-15 14:00	16,10	608,78	614,52	615,59	-2,660	-4,090	-1,860	-0,435	-0,661	-0,301	-0,4658
25-5-15 8:50	19,88	608,46	614,23	615,44	-2,980	-4,380	-2,010	-0,487	-0,708	-0,326	-0,5070
25-5-15 12:40	20,04	608,45	614,21	615,42	-2,990	-4,400	-2,030	-0,489	-0,711	-0,329	-0,5097
26-5-15 10:30	20,95	608,39	614,13	615,37	-3,050	-4,480	-2,080	-0,499	-0,724	-0,337	-0,5200
26-5-15 12:35	21,04	608,38	614,13	615,36	-3,060	-4,480	-2,090	-0,500	-0,724	-0,338	-0,5211
26-5-15 15:15	21,15	608,38	614,12	615,36	-3,060	-4,490	-2,090	-0,500	-0,726	-0,338	-0,5216
27-5-15 11:00	21,97	608,32	614,08	615,32	-3,120	-4,530	-2,130	-0,510	-0,732	-0,345	-0,5292
27-5-15 13:00	22,06	608,32	614,08	615,32	-3,120	-4,530	-2,130	-0,510	-0,732	-0,345	-0,5292
27-5-15 15:00	22,14	608,31	614,07	615,32	-3,130	-4,540	-2,130	-0,512	-0,734	-0,345	-0,5303
28-5-15 10:55	22,97	608,25	614,00	615,27	-3,190	-4,610	-2,180	-0,522	-0,745	-0,353	-0,5400
28-5-15 12:55	23,05	608,24	613,99	615,26	-3,200	-4,620	-2,190	-0,523	-0,747	-0,355	-0,5416
28-5-15 14:55	23,14	608,24	613,98	615,25	-3,200	-4,630	-2,200	-0,523	-0,748	-0,356	-0,5427
29-5-15 11:45	24,00	608,19	613,93	615,21	-3,250	-4,680	-2,240	-0,532	-0,757	-0,363	-0,5503
29-5-15 13:50	24,09	608,19	613,93	615,21	-3,250	-4,680	-2,240	-0,532	-0,757	-0,363	-0,5503
29-5-15 15:50	24,17	608,18	613,92	615,20	-3,260	-4,690	-2,250	-0,533	-0,758	-0,364	-0,5519
3-6-15 10:35	28,95	607,90	613,63	614,98	-3,540	-4,980	-2,470	-0,579	-0,805	-0,400	-0,5947

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:20	0,00	606,86	606,10	607,04	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
19-5-15 12:50	0,02	606,86	606,08	607,04	0,000	-0,020	0,000	0,000	-0,003	0,000	-0,0011
19-5-15 13:25	0,05	606,85	606,08	607,03	-0,010	-0,020	-0,010	-0,002	-0,003	-0,002	-0,0022
19-5-15 13:50	0,06	606,86	606,08	607,03	0,000	-0,020	-0,010	0,000	-0,003	-0,002	-0,0016
19-5-15 14:30	0,09	606,85	606,06	607,03	-0,010	-0,040	-0,010	-0,002	-0,007	-0,002	-0,0033
19-5-15 14:50	0,10	606,86	606,07	607,04	0,000	-0,030	0,000	0,000	-0,005	0,000	-0,0016
19-5-15 15:20	0,13	606,85	606,06	607,03	-0,010	-0,040	-0,010	-0,002	-0,007	-0,002	-0,0033
19-5-15 15:50	0,15	606,85	606,06	607,03	-0,010	-0,040	-0,010	-0,002	-0,007	-0,002	-0,0033
19-5-15 16:20	0,17	606,85	606,05	607,03	-0,010	-0,050	-0,010	-0,002	-0,008	-0,002	-0,0038
20-5-15 11:20	0,96	606,75	605,89	606,91	-0,110	-0,210	-0,130	-0,018	-0,035	-0,021	-0,0247
20-5-15 11:55	0,98	606,75	605,89	606,90	-0,110	-0,210	-0,140	-0,018	-0,035	-0,023	-0,0253
20-5-15 12:20	1,00	606,75	605,88	606,90	-0,110	-0,220	-0,140	-0,018	-0,036	-0,023	-0,0258
20-5-15 12:45	1,02	606,75	605,88	606,90	-0,110	-0,220	-0,140	-0,018	-0,036	-0,023	-0,0258
20-5-15 13:15	1,04	606,74	605,88	606,89	-0,120	-0,220	-0,150	-0,020	-0,036	-0,025	-0,0269
20-5-15 14:15	1,08	606,74	605,87	606,89	-0,120	-0,230	-0,150	-0,020	-0,038	-0,025	-0,0275
20-5-15 14:45	1,10	606,73	605,87	606,88	-0,130	-0,230	-0,160	-0,021	-0,038	-0,026	-0,0286
20-5-15 15:15	1,12	606,73	605,86	606,88	-0,130	-0,240	-0,160	-0,021	-0,040	-0,026	-0,0291
21-5-15 10:15	1,91	606,64	605,71	606,77	-0,220	-0,390	-0,270	-0,036	-0,064	-0,044	-0,0484
21-5-15 11:15	1,95	606,63	605,71	606,77	-0,230	-0,390	-0,270	-0,038	-0,064	-0,044	-0,0489
21-5-15 12:15	2,00	606,63	605,70	606,76	-0,230	-0,400	-0,280	-0,038	-0,066	-0,046	-0,0500
21-5-15 13:15	2,04	606,62	605,70	606,76	-0,240	-0,400	-0,280	-0,040	-0,066	-0,046	-0,0506
25-5-15 9:10	5,87	606,19	605,09	606,24	-0,670	-1,010	-0,800	-0,110	-0,167	-0,132	-0,1363
25-5-15 13:05	6,03	606,16	605,07	606,22	-0,700	-1,030	-0,820	-0,115	-0,170	-0,135	-0,1401
26-5-15 11:35	6,97	606,08	604,98	606,13	-0,780	-1,120	-0,910	-0,129	-0,185	-0,150	-0,1544
26-5-15 14:20	7,08	606,08	604,97	606,12	-0,780	-1,130	-0,920	-0,129	-0,186	-0,152	-0,1555
26-5-15 16:05	7,16	606,07	604,96	606,11	-0,790	-1,140	-0,930	-0,130	-0,188	-0,153	-0,1572
27-5-15 10:30	7,92	606,02	604,88	606,03	-0,840	-1,220	-1,010	-0,138	-0,201	-0,166	-0,1687
27-5-15 12:30	8,01	606,00	604,87	606,03	-0,860	-1,230	-1,010	-0,142	-0,203	-0,166	-0,1703
27-5-15 15:30	8,13	606,00	604,86	606,02	-0,860	-1,240	-1,020	-0,142	-0,205	-0,168	-0,1714
28-5-15 10:00	8,90	605,93	604,79	605,95	-0,930	-1,310	-1,090	-0,153	-0,216	-0,180	-0,1830
28-5-15 12:00	8,99	605,93	604,78	605,94	-0,930	-1,320	-1,100	-0,153	-0,218	-0,181	-0,1841
28-5-15 14:00	9,07	605,92	604,78	605,93	-0,940	-1,320	-1,110	-0,155	-0,218	-0,183	-0,1852
29-5-15 11:20	9,96	605,87	604,70	605,85	-0,990	-1,400	-1,190	-0,163	-0,231	-0,196	-0,1967
29-5-15 13:30	10,05	605,86	604,68	605,83	-1,000	-1,420	-1,210	-0,165	-0,234	-0,199	-0,1995
29-5-15 15:30	10,13	605,84	604,68	605,82	-1,020	-1,420	-1,220	-0,168	-0,234	-0,201	-0,2011

3-6-15 10:15	14,91	605,58	604,32	605,45	-1,280	-1,780	-1,590	-0,211	-0,294	-0,262	-0,2555
3-6-15 12:25	15,00	605,57	604,32	605,44	-1,290	-1,780	-1,600	-0,213	-0,294	-0,264	-0,2566
3-6-15 14:20	15,08	605,57	604,31	605,44	-1,290	-1,790	-1,600	-0,213	-0,295	-0,264	-0,2572
4-6-15 10:30	15,92	605,53	604,27	605,39	-1,330	-1,830	-1,650	-0,219	-0,302	-0,272	-0,2643
4-6-15 12:30	16,01	605,52	604,26	605,38	-1,340	-1,840	-1,660	-0,221	-0,304	-0,273	-0,2659
4-6-15 15:30	16,13	605,50	604,24	605,37	-1,360	-1,860	-1,670	-0,224	-0,307	-0,275	-0,2687
5-6-15 10:45	16,93	605,48	604,22	605,33	-1,380	-1,880	-1,710	-0,227	-0,310	-0,282	-0,2731
5-6-15 12:25	17,00	605,47	604,20	605,31	-1,390	-1,900	-1,730	-0,229	-0,313	-0,285	-0,2758
8-6-15 8:10	19,83	605,33	604,04	605,16	-1,530	-2,060	-1,880	-0,252	-0,340	-0,310	-0,3006
8-6-15 14:55	20,11	605,32	604,01	605,14	-1,540	-2,090	-1,900	-0,254	-0,345	-0,313	-0,3039
9-6-15 8:20	20,83	605,30	604,00	605,12	-1,560	-2,100	-1,920	-0,257	-0,346	-0,316	-0,3066
9-6-15 15:20	21,13	605,29	603,99	605,10	-1,570	-2,110	-1,940	-0,259	-0,348	-0,320	-0,3088
10-6-15 11:15	21,95	605,24	603,94	605,06	-1,620	-2,160	-1,980	-0,267	-0,356	-0,326	-0,3165
10-6-15 14:45	22,10	605,23	603,93	605,05	-1,630	-2,170	-1,990	-0,269	-0,358	-0,328	-0,3181
11-6-15 15:30	23,13	605,17	603,87	604,98	-1,690	-2,230	-2,060	-0,278	-0,368	-0,339	-0,3286
12-6-15 10:05	23,91	605,13	603,83	604,94	-1,730	-2,270	-2,100	-0,285	-0,375	-0,346	-0,3352
12-6-15 15:20	24,13	605,13	603,82	604,94	-1,730	-2,280	-2,100	-0,285	-0,376	-0,346	-0,3357
15-6-15 10:50	26,94	604,99	603,68	604,78	-1,870	-2,420	-2,260	-0,308	-0,399	-0,372	-0,3599
16-6-15 15:00	28,11	604,93	603,62	604,71	-1,930	-2,480	-2,330	-0,318	-0,409	-0,384	-0,3703

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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
19-5-15 12:25	0,00	625,83	621,63	631,20	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
19-5-15 12:55	0,02	625,84	621,63	631,26	0,010	0,000	0,060	0,002	0,000	0,010	0,0037
19-5-15 13:25	0,04	625,83	621,63	631,26	0,000	0,000	0,060	0,000	0,000	0,010	0,0032
19-5-15 13:55	0,06	625,83	621,63	631,26	0,000	0,000	0,060	0,000	0,000	0,010	0,0032
19-5-15 14:30	0,09	625,82	621,61	631,26	-0,010	-0,020	0,060	-0,002	-0,003	0,010	0,0016
19-5-15 14:55	0,10	625,82	621,62	631,26	-0,010	-0,010	0,060	-0,002	-0,002	0,010	0,0021
19-5-15 15:25	0,13	625,82	621,61	631,26	-0,010	-0,020	0,060	-0,002	-0,003	0,010	0,0016
19-5-15 15:55	0,15	625,82	621,61	631,26	-0,010	-0,020	0,060	-0,002	-0,003	0,010	0,0016
19-5-15 16:25	0,17	625,81	621,60	631,25	-0,020	-0,030	0,050	-0,003	-0,005	0,008	0,0000
20-5-15 11:30	0,96	625,69	621,41	631,18	-0,140	-0,220	-0,020	-0,022	-0,035	-0,003	-0,0203
20-5-15 12:00	0,98	625,68	621,40	631,18	-0,150	-0,230	-0,020	-0,024	-0,037	-0,003	-0,0214
20-5-15 12:25	1,00	625,68	621,40	631,18	-0,150	-0,230	-0,020	-0,024	-0,037	-0,003	-0,0214
20-5-15 12:55	1,02	625,68	621,39	631,18	-0,150	-0,240	-0,020	-0,024	-0,039	-0,003	-0,0219
20-5-15 13:25	1,04	625,67	621,39	631,18	-0,160	-0,240	-0,020	-0,026	-0,039	-0,003	-0,0224
20-5-15 14:25	1,08	625,67	621,38	631,17	-0,160	-0,250	-0,030	-0,026	-0,040	-0,005	-0,0235
20-5-15 14:55	1,10	625,66	621,38	631,17	-0,170	-0,250	-0,030	-0,027	-0,040	-0,005	-0,0240

20-5-15 15:25	1,13	625,66	621,38	631,17	-0,170	-0,250	-0,030	-0,027	-0,040	-0,005	-0,0240
21-5-15 10:15	1,91	625,55	621,23	631,11	-0,280	-0,400	-0,090	-0,045	-0,064	-0,014	-0,0411
21-5-15 11:15	1,95	625,55	621,23	631,10	-0,280	-0,400	-0,100	-0,045	-0,064	-0,016	-0,0416
21-5-15 12:15	1,99	625,64	621,23	631,10	-0,190	-0,400	-0,100	-0,030	-0,064	-0,016	-0,0368
25-5-15 9:10	5,86	625,07	620,40	630,79	-0,760	-1,230	-0,410	-0,121	-0,198	-0,065	-0,1281
25-5-15 13:00	6,02	625,05	620,37	630,77	-0,780	-1,260	-0,430	-0,125	-0,203	-0,068	-0,1318
25-5-15 14:00	6,07	625,03	620,35	630,76	-0,800	-1,280	-0,440	-0,128	-0,206	-0,070	-0,1345
26-5-15 11:25	6,96	624,97	620,24	630,72	-0,860	-1,390	-0,480	-0,137	-0,224	-0,076	-0,1457
26-5-15 14:15	7,08	624,96	620,23	630,72	-0,870	-1,400	-0,480	-0,139	-0,225	-0,076	-0,1468
26-5-15 16:05	7,15	624,95	620,22	630,71	-0,880	-1,410	-0,490	-0,141	-0,227	-0,078	-0,1484
27-5-15 10:40	7,93	624,88	620,08	630,66	-0,950	-1,550	-0,540	-0,152	-0,249	-0,086	-0,1622
27-5-15 12:40	8,01	624,87	620,07	630,66	-0,960	-1,560	-0,540	-0,153	-0,251	-0,086	-0,1633
27-5-15 14:40	8,09	624,86	620,06	630,65	-0,970	-1,570	-0,550	-0,155	-0,253	-0,087	-0,1649
28-5-15 10:40	8,93	624,80	619,95	630,61	-1,030	-1,680	-0,590	-0,165	-0,270	-0,093	-0,1761
28-5-15 12:40	9,01	624,80	619,95	630,61	-1,030	-1,680	-0,590	-0,165	-0,270	-0,093	-0,1761
28-5-15 14:40	9,09	624,79	619,94	630,60	-1,040	-1,690	-0,600	-0,166	-0,272	-0,095	-0,1777
29-5-15 11:30	9,96	624,73	619,83	630,57	-1,100	-1,800	-0,630	-0,176	-0,290	-0,100	-0,1884
29-5-15 13:40	10,05	624,71	619,81	630,55	-1,120	-1,820	-0,650	-0,179	-0,293	-0,103	-0,1916
29-5-15 15:40	10,14	624,71	619,80	630,55	-1,120	-1,830	-0,650	-0,179	-0,294	-0,103	-0,1921
3-6-15 10:25	14,92	624,42	619,29	630,36	-1,410	-2,340	-0,840	-0,225	-0,376	-0,133	-0,2449
3-6-15 12:35	15,01	624,42	619,29	630,36	-1,410	-2,340	-0,840	-0,225	-0,376	-0,133	-0,2449
3-6-15 14:25	15,08	624,42	619,29	630,36	-1,410	-2,340	-0,840	-0,225	-0,376	-0,133	-0,2449
4-6-15 10:40	15,93	624,38	619,22	630,33	-1,450	-2,410	-0,870	-0,232	-0,388	-0,138	-0,2524
4-6-15 12:40	16,01	624,37	619,21	630,33	-1,460	-2,420	-0,870	-0,233	-0,389	-0,138	-0,2535
4-6-15 15:40	16,14	624,35	619,20	630,32	-1,480	-2,430	-0,880	-0,236	-0,391	-0,139	-0,2556
5-6-15 10:55	16,94	624,34	619,17	630,32	-1,490	-2,460	-0,880	-0,238	-0,396	-0,139	-0,2577
5-6-15 14:30	17,09	624,32	619,14	630,30	-1,510	-2,490	-0,900	-0,241	-0,401	-0,143	-0,2615
8-6-15 8:20	19,83	624,16	618,95	630,19	-1,670	-2,680	-1,010	-0,267	-0,431	-0,160	-0,2860
8-6-15 15:05	20,11	624,16	618,95	630,19	-1,670	-2,680	-1,010	-0,267	-0,431	-0,160	-0,2860
9-6-15 8:30	20,84	624,15	618,91	630,19	-1,680	-2,720	-1,010	-0,268	-0,438	-0,160	-0,2887
9-6-15 15:30	21,13	624,13	618,89	630,17	-1,700	-2,740	-1,030	-0,272	-0,441	-0,163	-0,2919
10-6-15 11:25	21,96	624,09	618,83	630,14	-1,740	-2,800	-1,060	-0,278	-0,450	-0,168	-0,2988
10-6-15 14:55	22,10	624,08	618,82	630,13	-1,750	-2,810	-1,070	-0,280	-0,452	-0,170	-0,3004
11-6-15 15:40	23,14	624,04	618,76	630,10	-1,790	-2,870	-1,100	-0,286	-0,462	-0,174	-0,3073
12-6-15 10:15	23,91	624,01	618,72	630,08	-1,820	-2,910	-1,120	-0,291	-0,468	-0,177	-0,3121
12-6-15 15:30	24,13	624,00	618,70	630,07	-1,830	-2,930	-1,130	-0,292	-0,471	-0,179	-0,3143
15-6-15 11:00	26,94	623,88	618,54	629,99	-1,950	-3,090	-1,210	-0,312	-0,497	-0,192	-0,3335
16-6-15 15:05	28,11	623,83	618,47	629,96	-2,000	-3,160	-1,240	-0,320	-0,508	-0,196	-0,3415

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
9-6-15 11:25	0,00	600,24	599,06	605,73	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
9-6-15 12:05	0,03	600,23	599,04	605,72	-0,010	-0,020	-0,010	-0,002	-0,003	-0,002	-0,0022
9-6-15 13:20	0,08	600,21	599,03	605,71	-0,030	-0,030	-0,020	-0,005	-0,005	-0,003	-0,0044
9-6-15 13:55	0,10	600,18	599,00	605,70	-0,060	-0,060	-0,030	-0,010	-0,010	-0,005	-0,0083
9-6-15 14:25	0,13	600,15	598,99	605,69	-0,090	-0,070	-0,040	-0,015	-0,012	-0,007	-0,0111
9-6-15 15:05	0,15	600,15	598,98	605,69	-0,090	-0,080	-0,040	-0,015	-0,013	-0,007	-0,0117
9-6-15 15:40	0,18	600,14	598,98	605,69	-0,100	-0,080	-0,040	-0,017	-0,013	-0,007	-0,0122
10-6-15 10:55	0,98	599,77	598,63	605,55	-0,470	-0,430	-0,180	-0,078	-0,072	-0,030	-0,0599
10-6-15 11:35	1,01	599,76	598,63	605,54	-0,480	-0,430	-0,190	-0,080	-0,072	-0,031	-0,0610
10-6-15 12:15	1,03	599,74	598,62	605,54	-0,500	-0,440	-0,190	-0,083	-0,073	-0,031	-0,0627
10-6-15 12:55	1,06	599,73	598,60	605,53	-0,510	-0,460	-0,200	-0,085	-0,077	-0,033	-0,0649
10-6-15 13:45	1,10	599,72	598,59	605,52	-0,520	-0,470	-0,210	-0,087	-0,078	-0,035	-0,0666
10-6-15 14:25	1,13	599,70	598,57	605,52	-0,540	-0,490	-0,210	-0,090	-0,082	-0,035	-0,0688
10-6-15 15:10	1,16	599,69	598,56	605,52	-0,550	-0,500	-0,210	-0,092	-0,083	-0,035	-0,0699
11-6-15 15:10	2,16	599,23	598,15	605,34	-1,010	-0,910	-0,390	-0,168	-0,152	-0,064	-0,1282
11-6-15 15:55	2,19	599,22	598,14	605,34	-1,020	-0,920	-0,390	-0,170	-0,154	-0,064	-0,1293
12-6-15 9:50	2,93	598,94	597,85	605,22	-1,300	-1,210	-0,510	-0,217	-0,202	-0,084	-0,1676
12-6-15 10:40	2,97	598,92	597,84	605,22	-1,320	-1,220	-0,510	-0,220	-0,204	-0,084	-0,1693
12-6-15 13:50	3,10	598,89	597,79	605,19	-1,350	-1,270	-0,540	-0,225	-0,212	-0,089	-0,1754
12-6-15 15:10	3,16	598,86	597,78	605,19	-1,380	-1,280	-0,540	-0,230	-0,214	-0,089	-0,1776
15-6-15 10:35	5,97	598,02	597,00	604,83	-2,220	-2,060	-0,900	-0,370	-0,344	-0,149	-0,2874
15-6-15 13:05	6,07	598,00	596,97	604,81	-2,240	-2,090	-0,920	-0,373	-0,349	-0,152	-0,2913
15-6-15 15:45	6,18	597,98	596,95	604,80	-2,260	-2,110	-0,930	-0,377	-0,352	-0,154	-0,2941
16-6-15 9:45	6,93	597,81	596,76	604,72	-2,430	-2,300	-1,010	-0,405	-0,384	-0,167	-0,3185
16-6-15 15:20	7,16	597,75	596,70	604,69	-2,490	-2,360	-1,040	-0,415	-0,394	-0,172	-0,3268
17-6-15 9:55	7,94	597,58	596,53	604,60	-2,660	-2,530	-1,130	-0,443	-0,422	-0,187	-0,3507
17-6-15 14:15	8,12	597,56	596,50	604,60	-2,680	-2,560	-1,130	-0,446	-0,427	-0,187	-0,3535
22-6-15 12:20	13,04	596,74	595,67	604,14	-3,500	-3,390	-1,590	-0,583	-0,566	-0,262	-0,4705
23-6-15 10:10	13,95	596,63	595,54	604,09	-3,610	-3,520	-1,640	-0,601	-0,588	-0,271	-0,4866
23-6-15 15:45	14,18	596,59	595,49	604,06	-3,650	-3,570	-1,670	-0,608	-0,596	-0,276	-0,4932
24-6-15 10:25	14,96	596,52	595,42	604,02	-3,720	-3,640	-1,710	-0,620	-0,608	-0,282	-0,5032
24-6-15 15:40	15,18	596,49	595,37	603,99	-3,750	-3,690	-1,740	-0,625	-0,616	-0,287	-0,5093
25-6-15 12:10	16,03	596,46	595,34	603,97	-3,780	-3,720	-1,760	-0,630	-0,621	-0,291	-0,5138
26-6-15 10:15	16,95	596,44	595,31	603,94	-3,800	-3,750	-1,790	-0,633	-0,626	-0,296	-0,5182
26-6-15 15:25	17,17	596,43	595,30	603,93	-3,810	-3,760	-1,800	-0,635	-0,628	-0,297	-0,5199
29-6-15 9:40	19,93	596,41	595,26	603,88	-3,830	-3,800	-1,850	-0,638	-0,634	-0,305	-0,5259
29-6-15 14:50	20,14	596,41	595,24	603,87	-3,830	-3,820	-1,860	-0,638	-0,638	-0,307	-0,5276

30-6-15 10:25	20,96	596,40	595,23	603,85	-3,840	-3,830	-1,880	-0,640	-0,639	-0,310	-0,5298
30-6-15 15:00	21,15	596,40	595,22	603,85	-3,840	-3,840	-1,880	-0,640	-0,641	-0,310	-0,5304
1-7-15 9:55	21,94	596,39	595,22	603,84	-3,850	-3,840	-1,890	-0,641	-0,641	-0,312	-0,5315
1-7-15 13:55	22,10	596,38	595,21	603,83	-3,860	-3,850	-1,900	-0,643	-0,643	-0,314	-0,5331
2-7-15 9:55	22,94	596,40	595,21	603,83	-3,840	-3,850	-1,900	-0,640	-0,643	-0,314	-0,5320
2-7-15 15:15	23,16	596,41	595,21	603,83	-3,830	-3,850	-1,900	-0,638	-0,643	-0,314	-0,5315
3-7-15 8:40	23,89	596,38	595,18	603,81	-3,860	-3,880	-1,920	-0,643	-0,648	-0,317	-0,5359
6-7-15 9:45	26,93	596,38	595,18	603,81	-3,860	-3,880	-1,920	-0,643	-0,648	-0,317	-0,5359
6-7-15 15:35	27,17	596,39	595,18	603,81	-3,850	-3,880	-1,920	-0,641	-0,648	-0,317	-0,5354
7-7-15 11:00	27,98	596,39	595,17	603,78	-3,850	-3,890	-1,950	-0,641	-0,649	-0,322	-0,5376
7-7-15 15:30	28,17	596,41	595,19	603,80	-3,830	-3,870	-1,930	-0,638	-0,646	-0,319	-0,5342

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Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:45	0,00	594,55	591,86	592,05	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
26-5-15 12:15	0,02	594,54	591,85	592,05	-0,010	-0,010	0,000	-0,002	-0,002	0,000	-0,0011
26-5-15 12:45	0,04	594,54	591,85	592,05	-0,010	-0,010	0,000	-0,002	-0,002	0,000	-0,0011
26-5-15 13:55	0,09	594,54	591,85	592,05	-0,010	-0,010	0,000	-0,002	-0,002	0,000	-0,0011
26-5-15 14:25	0,11	594,53	591,84	592,04	-0,020	-0,020	-0,010	-0,003	-0,003	-0,002	-0,0028
26-5-15 14:55	0,13	594,52	591,84	592,04	-0,030	-0,020	-0,010	-0,005	-0,003	-0,002	-0,0034
26-5-15 15:25	0,15	594,52	591,84	592,04	-0,030	-0,020	-0,010	-0,005	-0,003	-0,002	-0,0034
26-5-15 15:55	0,17	594,50	591,83	592,04	-0,050	-0,030	-0,010	-0,008	-0,005	-0,002	-0,0051
26-5-15 16:25	0,19	594,50	591,82	592,03	-0,050	-0,040	-0,020	-0,008	-0,007	-0,003	-0,0062
27-5-15 10:00	0,93	594,32	591,71	591,94	-0,230	-0,150	-0,110	-0,039	-0,025	-0,019	-0,0275
27-5-15 10:30	0,95	594,33	591,73	591,96	-0,220	-0,130	-0,090	-0,037	-0,022	-0,015	-0,0247
27-5-15 11:00	0,97	594,33	591,73	591,96	-0,220	-0,130	-0,090	-0,037	-0,022	-0,015	-0,0247
27-5-15 11:30	0,99	594,32	591,73	591,95	-0,230	-0,130	-0,100	-0,039	-0,022	-0,017	-0,0258
27-5-15 12:00	1,01	594,32	591,72	591,94	-0,230	-0,140	-0,110	-0,039	-0,024	-0,019	-0,0270
27-5-15 12:30	1,03	594,32	591,72	591,95	-0,230	-0,140	-0,100	-0,039	-0,024	-0,017	-0,0264
27-5-15 13:00	1,05	594,31	591,71	591,95	-0,240	-0,150	-0,100	-0,040	-0,025	-0,017	-0,0275
27-5-15 13:30	1,07	594,31	591,72	591,95	-0,240	-0,140	-0,100	-0,040	-0,024	-0,017	-0,0270
27-5-15 14:00	1,09	594,31	591,72	591,95	-0,240	-0,140	-0,100	-0,040	-0,024	-0,017	-0,0270
27-5-15 14:30	1,11	594,30	591,71	591,94	-0,250	-0,150	-0,110	-0,042	-0,025	-0,019	-0,0287
27-5-15 15:00	1,14	594,30	591,71	591,94	-0,250	-0,150	-0,110	-0,042	-0,025	-0,019	-0,0287
28-5-15 10:20	1,94	594,11	591,60	591,84	-0,440	-0,260	-0,210	-0,074	-0,044	-0,035	-0,0511
28-5-15 11:20	1,98	594,10	591,60	591,84	-0,450	-0,260	-0,210	-0,076	-0,044	-0,035	-0,0517
28-5-15 12:20	2,02	594,09	591,59	591,83	-0,460	-0,270	-0,220	-0,077	-0,046	-0,037	-0,0534
28-5-15 13:20	2,07	594,09	591,59	591,83	-0,460	-0,270	-0,220	-0,077	-0,046	-0,037	-0,0534

28-5-15 14:20	2,11	594,08	591,58	591,82	-0,470	-0,280	-0,230	-0,079	-0,047	-0,039	-0,0551
28-5-15 15:20	2,15	594,08	591,58	591,82	-0,470	-0,280	-0,230	-0,079	-0,047	-0,039	-0,0551
29-5-15 11:10	2,98	593,88	591,49	591,72	-0,670	-0,370	-0,330	-0,113	-0,063	-0,056	-0,0770
29-5-15 13:20	3,07	593,87	591,48	591,71	-0,680	-0,380	-0,340	-0,114	-0,064	-0,057	-0,0787
29-5-15 15:20	3,15	593,85	591,48	591,70	-0,700	-0,380	-0,350	-0,118	-0,064	-0,059	-0,0804
3-6-15 10:05	7,93	593,02	591,06	591,23	-1,530	-0,800	-0,820	-0,257	-0,135	-0,139	-0,1770
3-6-15 12:15	8,02	593,02	591,06	591,23	-1,530	-0,800	-0,820	-0,257	-0,135	-0,139	-0,1770
3-6-15 14:10	8,10	593,01	591,06	591,22	-1,540	-0,800	-0,830	-0,259	-0,135	-0,140	-0,1781
4-6-15 10:20	8,94	592,88	590,99	591,15	-1,670	-0,870	-0,900	-0,281	-0,147	-0,152	-0,1933
4-6-15 12:20	9,02	592,87	590,99	591,14	-1,680	-0,870	-0,910	-0,283	-0,147	-0,154	-0,1944
4-6-15 15:20	9,15	592,85	590,98	591,13	-1,700	-0,880	-0,920	-0,286	-0,149	-0,155	-0,1967
5-6-15 10:35	9,95	592,75	590,94	591,08	-1,800	-0,920	-0,970	-0,303	-0,155	-0,164	-0,2073
5-6-15 14:15	10,10	592,75	590,94	591,08	-1,800	-0,920	-0,970	-0,303	-0,155	-0,164	-0,2073
8-6-15 8:00	12,84	592,38	590,74	590,85	-2,170	-1,120	-1,200	-0,365	-0,189	-0,203	-0,2523
8-6-15 14:45	13,13	592,37	590,73	590,84	-2,180	-1,130	-1,210	-0,367	-0,191	-0,204	-0,2540
9-6-15 8:10	13,85	592,29	590,70	590,79	-2,260	-1,160	-1,260	-0,380	-0,196	-0,213	-0,2630
9-6-15 15:10	14,14	592,26	590,68	590,77	-2,290	-1,180	-1,280	-0,385	-0,199	-0,216	-0,2669
10-6-15 11:05	14,97	592,18	590,64	590,73	-2,370	-1,220	-1,320	-0,399	-0,206	-0,223	-0,2759
10-6-15 14:35	15,12	592,17	590,64	590,72	-2,380	-1,220	-1,330	-0,400	-0,206	-0,225	-0,2770
11-6-15 15:20	16,15	592,07	590,56	590,65	-2,480	-1,300	-1,400	-0,417	-0,220	-0,236	-0,2911
12-6-15 9:55	16,92	592,07	590,51	590,59	-2,480	-1,350	-1,460	-0,417	-0,228	-0,247	-0,2973
12-6-15 15:15	17,15	591,99	590,51	590,59	-2,560	-1,350	-1,460	-0,431	-0,228	-0,247	-0,3018
15-6-15 10:40	19,95	591,75	590,36	590,44	-2,800	-1,500	-1,610	-0,471	-0,253	-0,272	-0,3321
15-6-15 15:50	20,17	591,72	590,34	590,42	-2,830	-1,520	-1,630	-0,476	-0,257	-0,275	-0,3360
16-6-15 9:50	20,92	591,67	590,30	590,38	-2,880	-1,560	-1,670	-0,484	-0,264	-0,282	-0,3433
16-6-15 15:25	21,15	591,64	590,29	590,37	-2,910	-1,570	-1,680	-0,489	-0,265	-0,284	-0,3462
17-6-15 10:00	21,93	591,58	590,22	590,31	-2,970	-1,640	-1,740	-0,500	-0,277	-0,294	-0,3568
17-6-15 14:20	22,11	591,58	590,22	590,09	-2,970	-1,640	-1,960	-0,500	-0,277	-0,331	-0,3692
22-6-15 12:25	27,03	591,22	589,93	589,80	-3,330	-1,930	-2,250	-0,560	-0,326	-0,380	-0,4221
23-6-15 10:15	27,94	591,18	589,90	589,78	-3,370	-1,960	-2,270	-0,567	-0,331	-0,383	-0,4271
23-6-15 15:50	28,17	591,15	589,88	589,75	-3,400	-1,980	-2,300	-0,572	-0,335	-0,388	-0,4316

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
26-5-15 11:50	0,00	600,22	594,13	599,78	0,000	0,000	0,000	0,000	0,000	0,000	0,0000
26-5-15 12:20	0,02	600,21	594,13	599,77	-0,010	0,000	-0,010	-0,002	0,000	-0,002	-0,0011
26-5-15 12:50	0,04	600,21	594,12	599,77	-0,010	-0,010	-0,010	-0,002	-0,002	-0,002	-0,0017
26-5-15 14:00	0,09	600,20	594,11	599,77	-0,020	-0,020	-0,010	-0,003	-0,003	-0,002	-0,0028
26-5-15 14:30	0,11	600,20	594,11	599,77	-0,020	-0,020	-0,010	-0,003	-0,003	-0,002	-0,0028
26-5-15 15:00	0,13	600,20	594,11	599,77	-0,020	-0,020	-0,010	-0,003	-0,003	-0,002	-0,0028
26-5-15 15:30	0,15	600,19	594,10	599,76	-0,030	-0,030	-0,020	-0,005	-0,005	-0,003	-0,0045
26-5-15 16:00	0,17	600,19	594,10	599,76	-0,030	-0,030	-0,020	-0,005	-0,005	-0,003	-0,0045
26-5-15 16:30	0,19	600,18	594,09	599,75	-0,040	-0,040	-0,030	-0,007	-0,007	-0,005	-0,0061
27-5-15 10:25	0,94	600,06	593,97	599,65	-0,160	-0,160	-0,130	-0,027	-0,027	-0,022	-0,0251
27-5-15 10:55	0,96	600,06	593,97	599,64	-0,160	-0,160	-0,140	-0,027	-0,027	-0,023	-0,0256
27-5-15 11:25	0,98	600,05	593,96	599,64	-0,170	-0,170	-0,140	-0,028	-0,029	-0,023	-0,0268
27-5-15 11:55	1,00	600,05	593,96	599,64	-0,170	-0,170	-0,140	-0,028	-0,029	-0,023	-0,0268
27-5-15 12:25	1,02	600,04	593,96	599,63	-0,180	-0,170	-0,150	-0,030	-0,029	-0,025	-0,0279
27-5-15 12:55	1,05	600,04	593,96	599,63	-0,180	-0,170	-0,150	-0,030	-0,029	-0,025	-0,0279
27-5-15 13:25	1,07	600,04	593,96	599,63	-0,180	-0,170	-0,150	-0,030	-0,029	-0,025	-0,0279
27-5-15 14:25	1,11	600,03	593,96	599,63	-0,190	-0,170	-0,150	-0,032	-0,029	-0,025	-0,0284
27-5-15 14:55	1,13	600,03	593,95	599,62	-0,190	-0,180	-0,160	-0,032	-0,030	-0,027	-0,0295
27-5-15 15:25	1,15	600,03	593,95	599,62	-0,190	-0,180	-0,160	-0,032	-0,030	-0,027	-0,0295
27-5-15 15:55	1,17	600,02	593,94	599,61	-0,200	-0,190	-0,170	-0,033	-0,032	-0,028	-0,0312
28-5-15 10:25	1,94	599,94	593,87	599,54	-0,280	-0,260	-0,240	-0,047	-0,044	-0,040	-0,0435
28-5-15 11:25	1,98	599,92	593,84	599,51	-0,300	-0,290	-0,270	-0,050	-0,049	-0,045	-0,0479
28-5-15 12:25	2,02	599,91	593,84	599,51	-0,310	-0,290	-0,270	-0,052	-0,049	-0,045	-0,0485
28-5-15 13:25	2,07	599,90	593,83	599,50	-0,320	-0,300	-0,280	-0,053	-0,050	-0,047	-0,0502
28-5-15 14:25	2,11	599,90	593,83	599,50	-0,320	-0,300	-0,280	-0,053	-0,050	-0,047	-0,0502
28-5-15 15:25	2,15	599,90	593,82	599,49	-0,320	-0,310	-0,290	-0,053	-0,052	-0,048	-0,0513
29-5-15 11:15	2,98	599,81	593,73	599,41	-0,410	-0,400	-0,370	-0,068	-0,067	-0,062	-0,0658
29-5-15 13:25	3,07	599,80	593,73	599,40	-0,420	-0,400	-0,380	-0,070	-0,067	-0,063	-0,0669
29-5-15 15:25	3,15	599,78	593,71	599,38	-0,440	-0,420	-0,400	-0,073	-0,071	-0,067	-0,0702
3-6-15 10:10	7,93	599,36	593,32	598,98	-0,860	-0,810	-0,800	-0,143	-0,136	-0,133	-0,1377
3-6-15 12:20	8,02	599,35	593,31	598,98	-0,870	-0,820	-0,800	-0,145	-0,138	-0,133	-0,1388
3-6-15 14:10	8,10	599,35	593,31	598,97	-0,870	-0,820	-0,810	-0,145	-0,138	-0,135	-0,1393
4-6-15 10:25	8,94	599,25	593,26	598,91	-0,970	-0,870	-0,870	-0,162	-0,146	-0,145	-0,1510
4-6-15 12:25	9,02	599,24	593,25	598,91	-0,980	-0,880	-0,870	-0,163	-0,148	-0,145	-0,1521
4-6-15 15:25	9,15	599,23	593,24	598,90	-0,990	-0,890	-0,880	-0,165	-0,150	-0,147	-0,1538
5-6-15 10:40	9,95	599,18	593,21	598,87	-1,040	-0,920	-0,910	-0,173	-0,155	-0,152	-0,1599
5-6-15 14:20	10,10	599,16	593,19	598,84	-1,060	-0,940	-0,940	-0,177	-0,158	-0,157	-0,1638

8-6-15 8:05	12,84	598,96	593,04	598,69	-1,260	-1,090	-1,090	-0,210	-0,183	-0,182	-0,1917
8-6-15 14:50	13,13	598,94	593,03	598,68	-1,280	-1,100	-1,100	-0,213	-0,185	-0,183	-0,1939
9-6-15 8:15	13,85	598,94	593,03	598,68	-1,280	-1,100	-1,100	-0,213	-0,185	-0,183	-0,1939
9-6-15 15:15	14,14	598,94	593,03	598,68	-1,280	-1,100	-1,100	-0,213	-0,185	-0,183	-0,1939
10-6-15 11:10	14,97	598,83	592,94	598,58	-1,390	-1,190	-1,200	-0,232	-0,200	-0,200	-0,2106
10-6-15 14:40	15,12	598,81	592,93	598,56	-1,410	-1,200	-1,220	-0,235	-0,202	-0,203	-0,2134
11-6-15 15:25	16,15	598,75	592,90	598,52	-1,470	-1,230	-1,260	-0,245	-0,207	-0,210	-0,2207
12-6-15 10:00	16,92	598,69	592,85	598,47	-1,530	-1,280	-1,310	-0,255	-0,215	-0,218	-0,2296
12-6-15 15:20	17,15	598,69	592,84	598,46	-1,530	-1,290	-1,320	-0,255	-0,217	-0,220	-0,2307
15-6-15 10:45	19,95	598,52	592,71	598,31	-1,700	-1,420	-1,470	-0,283	-0,239	-0,245	-0,2558
15-6-15 15:55	20,17	598,51	592,70	598,31	-1,710	-1,430	-1,470	-0,285	-0,241	-0,245	-0,2569
16-6-15 9:55	20,92	598,47	592,67	598,25	-1,750	-1,460	-1,530	-0,292	-0,246	-0,255	-0,2641
16-6-15 15:30	21,15	598,46	592,65	598,25	-1,760	-1,480	-1,530	-0,293	-0,249	-0,255	-0,2658
17-6-15 10:05	21,93	598,41	592,63	598,21	-1,810	-1,500	-1,570	-0,302	-0,252	-0,262	-0,2719
17-6-15 14:25	22,11	598,40	592,61	598,19	-1,820	-1,520	-1,590	-0,303	-0,256	-0,265	-0,2747
22-6-15 12:30	27,03	598,16	592,42	597,98	-2,060	-1,710	-1,800	-0,343	-0,288	-0,300	-0,3104
23-6-15 10:20	27,94	598,12	592,38	597,94	-2,100	-1,750	-1,840	-0,350	-0,295	-0,307	-0,3171
23-6-15 15:50	28,17	598,10	592,37	597,93	-2,120	-1,760	-1,850	-0,353	-0,296	-0,308	-0,3193

SIS+POW

AUTO

Data	Time	Measure			Dim. difference (DL)			Deform			Average
		FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	FREE-1	FREE-2	FREE-3	Deform
	(min)	(mm)			(mm)			(ε)			(με)
10-6-15 11:00	0,00	598,17	583,86	598,31	0,00	0,00	0,00	0,000	0,000	0,000	0,0000
10-6-15 11:40	0,03	598,13	583,82	598,27	-0,04	-0,04	-0,04	-0,007	-0,007	-0,007	-0,0067
10-6-15 12:20	0,06	598,12	583,81	598,26	-0,05	-0,05	-0,05	-0,008	-0,009	-0,008	-0,0084
10-6-15 13:00	0,08	598,12	583,81	598,26	-0,05	-0,05	-0,05	-0,008	-0,009	-0,008	-0,0084
10-6-15 13:50	0,12	598,12	583,80	598,26	-0,05	-0,06	-0,05	-0,008	-0,010	-0,008	-0,0090
10-6-15 14:30	0,15	598,12	583,79	598,25	-0,05	-0,07	-0,06	-0,008	-0,012	-0,010	-0,0101
10-6-15 15:15	0,18	598,11	583,78	598,25	-0,06	-0,08	-0,06	-0,010	-0,014	-0,010	-0,0113
11-6-15 15:15	1,18	597,94	583,51	598,06	-0,23	-0,35	-0,25	-0,038	-0,060	-0,042	-0,0467
11-6-15 15:45	1,20	597,94	583,51	598,05	-0,23	-0,35	-0,26	-0,038	-0,060	-0,043	-0,0473
11-6-15 16:10	1,22	597,94	583,51	598,05	-0,23	-0,35	-0,26	-0,038	-0,060	-0,043	-0,0473
12-6-15 9:40	1,94	597,83	583,34	597,92	-0,34	-0,52	-0,39	-0,057	-0,089	-0,065	-0,0704
12-6-15 10:30	1,98	597,83	583,34	597,92	-0,34	-0,52	-0,39	-0,057	-0,089	-0,065	-0,0704
12-6-15 13:40	2,11	597,78	583,29	597,88	-0,39	-0,57	-0,43	-0,065	-0,098	-0,072	-0,0782
12-6-15 15:00	2,17	597,78	583,28	597,88	-0,39	-0,58	-0,43	-0,065	-0,099	-0,072	-0,0788
12-6-15 15:35	2,19	597,78	583,28	597,87	-0,39	-0,58	-0,44	-0,065	-0,099	-0,074	-0,0794
15-6-15 10:25	4,98	597,38	582,69	597,45	-0,79	-1,17	-0,86	-0,132	-0,200	-0,144	-0,1587
15-6-15 12:55	5,08	597,36	582,67	597,43	-0,81	-1,19	-0,88	-0,135	-0,204	-0,147	-0,1621

15-6-15 15:35	5,19	597,34	582,65	597,41	-0,83	-1,21	-0,90	-0,139	-0,207	-0,150	-0,1655
16-6-15 9:35	5,94	597,25	582,52	597,32	-0,92	-1,34	-0,99	-0,154	-0,230	-0,165	-0,1829
16-6-15 15:10	6,17	597,22	582,48	597,29	-0,95	-1,38	-1,02	-0,159	-0,236	-0,170	-0,1886
17-6-15 9:45	6,95	597,11	582,34	597,17	-1,06	-1,52	-1,14	-0,177	-0,260	-0,191	-0,2094
17-6-15 14:05	7,13	597,10	582,32	597,16	-1,07	-1,54	-1,15	-0,179	-0,264	-0,192	-0,2116
22-6-15 12:10	12,05	596,55	581,66	596,64	-1,62	-2,20	-1,67	-0,271	-0,377	-0,279	-0,3089
23-6-15 10:00	12,96	596,46	581,57	596,56	-1,71	-2,29	-1,75	-0,286	-0,392	-0,292	-0,3235
23-6-15 15:35	13,19	596,44	581,54	596,55	-1,73	-2,32	-1,76	-0,289	-0,397	-0,294	-0,3269
24-6-15 10:15	13,97	596,37	581,47	596,49	-1,80	-2,39	-1,82	-0,301	-0,409	-0,304	-0,3382
24-6-15 15:30	14,19	596,34	581,44	596,45	-1,83	-2,42	-1,86	-0,306	-0,414	-0,311	-0,3438
25-6-15 10:30	14,98	596,30	581,39	596,42	-1,87	-2,47	-1,89	-0,313	-0,423	-0,316	-0,3505
26-6-15 10:15	15,97	596,26	581,34	596,39	-1,91	-2,52	-1,92	-0,319	-0,432	-0,321	-0,3573
26-6-15 15:15	16,18	596,25	581,33	596,38	-1,92	-2,53	-1,93	-0,321	-0,433	-0,323	-0,3590
29-6-15 9:30	18,94	596,19	581,28	596,32	-1,98	-2,58	-1,99	-0,331	-0,442	-0,333	-0,3685
29-6-15 14:40	19,15	596,18	581,27	596,30	-1,99	-2,59	-2,01	-0,333	-0,444	-0,336	-0,3707
30-6-15 10:15	19,97	596,16	581,23	596,30	-2,01	-2,63	-2,01	-0,336	-0,450	-0,336	-0,3741
30-6-15 14:50	20,16	596,16	581,24	596,30	-2,01	-2,62	-2,01	-0,336	-0,449	-0,336	-0,3736
1-7-15 9:45	20,95	596,16	581,24	596,30	-2,01	-2,62	-2,01	-0,336	-0,449	-0,336	-0,3736
1-7-15 13:45	21,11	596,15	581,24	596,30	-2,02	-2,62	-2,01	-0,338	-0,449	-0,336	-0,3741
2-7-15 9:45	21,95	596,15	581,24	596,30	-2,02	-2,62	-2,01	-0,338	-0,449	-0,336	-0,3741
2-7-15 15:05	22,17	596,15	581,24	596,30	-2,02	-2,62	-2,01	-0,338	-0,449	-0,336	-0,3741
3-7-15 8:35	22,90	596,13	581,22	596,27	-2,04	-2,64	-2,04	-0,341	-0,452	-0,341	-0,3781
6-7-15 9:35	25,94	596,10	581,20	596,25	-2,07	-2,66	-2,06	-0,346	-0,456	-0,344	-0,3820
6-7-15 15:25	25,94	596,09	581,19	596,25	-2,08	-2,67	-2,06	-0,348	-0,457	-0,344	-0,3831
7-7-15 10:50	26,18	596,08	581,18	596,24	-2,09	-2,68	-2,07	-0,349	-0,459	-0,346	-0,3848
7-7-15 15:25	26,99	596,07	581,18	596,24	-2,10	-2,68	-2,07	-0,351	-0,459	-0,346	-0,3854
7-7-15 8:00	26,88	598,75	592,90	598,52	-1,47	-1,23	-1,26	-0,245	-0,207	-0,210	-0,2207