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A-SCAN ULTRASOUND MEASUREMENT OF OCULAR CHANGES DURING

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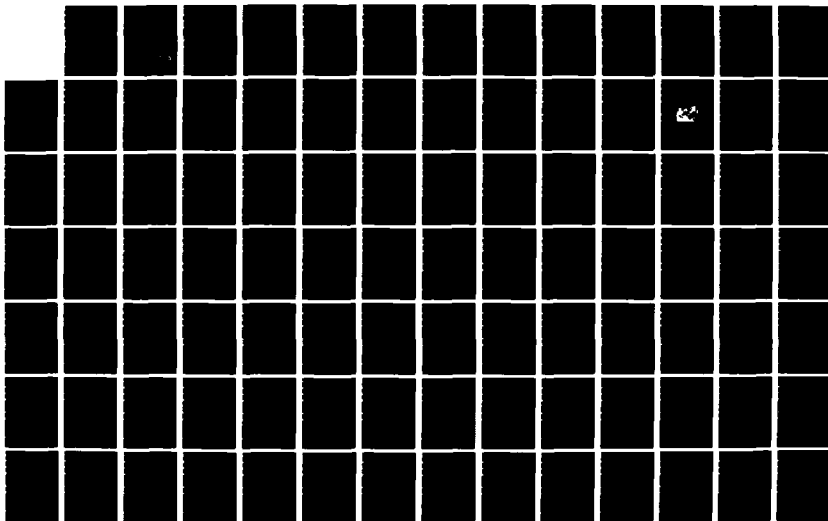
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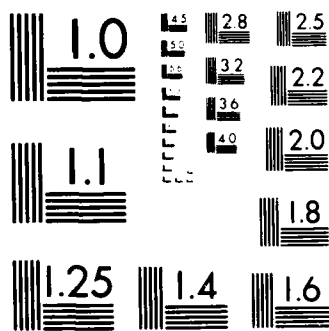
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AD-A186 818

A-Scan Ultrasound Measurement of Ocular Changes during

Accommodation

A Thesis Presented to The Faculty of
Pacific University

In Partial Fulfillment of the Requirements for the Degree
Master of Science
in Clinical Optometry, and Physiological Optics

Submitted by:

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Captain, Biomedical Service Corps

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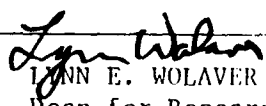
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A-Scan Ultrasound Measurement of Ocular Changes during
Accommodation

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ABSTRACT

An A-mode ultrasound unit was used to investigate how the principal refractive surfaces of the eye changed during the act of accommodation. Sixteen volunteers took part in an investigation where changes were studied in both the cyclopleged and noncyclopleged state. Measurements of axial length, anterior chamber, lens thickness, and vitreous chamber depth were made at three different accommodation response levels over time.

The results showed no significant change in axial length or vitreous chamber depth of the eye from cycloplegia to any accommodative response level. The depth of the anterior chamber and thickness of the lens showed significant changes at each of the three accommodative response levels. These results are consistent with the Helmholtz-Fincham theory of accommodation.

This study also demonstrated the time course of action of two drops of 1% cyclopentolate with full cyclopentolate cycloplegia reached between 35 and 45 minutes for subjects with dark irides.



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INTRODUCTION

Accommodation is defined as the function whereby the converging power of the optical system of an eye is increased so that light diverging from a near source may be brought to a focus upon the retina.⁵ It is one of the most dynamic physiological events of the human visual system. The evaluation of this dynamic system, and the structural changes which occur with accommodative activity are important to understanding the focusing process itself, as well as enabling an appreciation of its contribution to the visual system.

The purpose of this research project was to study the accommodation function of the human eye by evaluating how the principal refractive surfaces of the eye change their positions during the act of accommodation. Of specific interest was whether the axial length of the eye changed with accommodation. Earlier reports claimed an increase in axial length of some eyes, a decrease in others, and no change in the remainder.^{22,23,24} Also of interest was the possible role that could be ascribed to the vitreous in accommodation by evaluating any change in the vitreous chamber depth with accommodation. These changes were studied with the application of ultrasonographic biometry in both the cyclopleged and noncyclopleged state. Measurements of axial length, anterior chamber depth, lens thickness, and vitreous chamber depth were made at four different accommodation response levels over time.

A-mode ultrasonography allows objective quantification of the linear

dimensional changes which occur with various accommodation response levels. A-mode ultrasonography, also called time-amplitude ultrasonography, provides a means by which ocular distances may be easily and accurately measured. The linear display on a monitor screen is converted to a distance based on the time required for an ultrasound beam to travel through the given medium. A printout or photograph can be obtained as a hard copy of the values.

A-mode ultrasonography can also be used to document the time course of cycloplegia. In this study, measurements of the time relationships and magnitudes of changes in the axial dimensions of the globe, and refractive surfaces were made as the eye fell under the influence of two drops of 1% cyclopentolate hydrochloride.

HISTORICAL PERSPECTIVE

Prior to the 17th century, the predominant theory of vision was that of the Arab philosopher Ibn al-Haitham. He maintained that the lens was the sensitive organ of the eye, and that a visual cone of rays extended from the object to the sensitive front surface of the lens. The rear surface of the lens served as a refracting surface to preserve an erect image which was conveyed to the brain by way of the optic nerves.¹¹

Plater (1583) proposed it was the retina and not the lens that was the sensitive organ in vision. But, it was not until early in the 17th century that Kepler realized that because images were focused on the retina, there was a need for an accommodation mechanism.

In 1619, Scheiner used a double pinhole to show that the eye changed

its dioptric power when it viewed a near object.²⁰ He was also the first to describe the concomitant pupillary miosis that occurs with accommodation.

In 1671, Descartes first suggested the concept of a change in the shape of the lens with accommodation. But, because he wasn't able to produce evidence, his hypothesis was not universally accepted.

It wasn't until 1801 that Young emphasized the importance of the lens in accommodation. Young maintained that accommodation was not secondary to a change in corneal curvature, and that there were no changes in the axial length of the eye with accommodation, a theory very popular prior to 1800. In 1823, Purkinje used the catoptric images of the eye to demonstrate the changes that take place in the various lens surfaces during accommodation.

Bowman, and Brucke in 1847, showed the presence of the ciliary muscle, and in 1850, Helmholtz, using an ophthalmometer, noted the radius of the posterior lens surface decreased slightly with accommodation compared with a much larger decrease in the anterior surface. From these discoveries evolved several of the more recognized theories of accommodation.

Helmholtz, noting that the thickness of lens increased with accommodation, maintained that the lens was elastic, and held under tension by the suspensory ligaments attached to the ciliary muscle in the relaxed eye. When the ciliary muscle contracted, the zonule of Zinn relaxed, and the front surface of the lens moved forward towards the cornea. This theory, referred to as the *Decreased tension* theory, has been the most commonly accepted explanation of the accommodative

mechanism.

Cramer hypothesized that the contraction of the ciliary muscle caused choroidal traction which pushed the vitreous forward against the back of the lens. Pushed against the miotic pupil, the anterior surface of the lens changed its shape by bulging forward.²⁵

Tscherning didn't believe in the elasticity of the lens. He felt the lens had two parts: a nucleus which could not change in shape, and a superficial, 'accommodative layer', which could.¹³ His first theory in 1895, called the *Increased tension* theory, held that the lens was at rest when unaccommodated, and not under tension from the zonule. When the ciliary muscle was contracted, the cortex was pressed against the harder nucleus resulting in a steeper curve in the center of the lens. This was not widely accepted because it contradicted the fact that the lens increased in thickness with accommodation, and was later rejected in favor of the decreased tension theory.

In 1909 Tscherning and Pflugk modified the first theory.¹³ This theory accepted the increased lens thickness with accommodation. The new theory maintained that the ciliary body moved forward producing tension on the zonule and bulging of the anterior lens surface. It was held that the peripheral anterior surface of the lens did not change its shape, and, in fact, it acquired a slightly concave zone from the iris and anterior chamber pressure.

In 1925, Fincham introduced his capsular theory which added the effect of the lens capsule to Helmholtz's theory.^{12, 13} He examined the elasticity and anatomy of the lens capsule, and claimed that the thickness varied across the surface. He hypothesized that when the eye accommodated the

ciliary muscle contracted reducing the tension of the zonules on the capsule. This exerted tension on the lens substance causing it to change its shape. Fincham maintained the different thicknesses of the capsule were responsible for areas of greater or lesser bulging.

Fincham noted and photographed the increase in lens thickness, the decrease in anterior chamber depth, and the decrease in equatorial diameter with accommodation. He also noted the effect of gravity on accommodation - that the amplitude increased when the head was held forward and vision directed vertically downward. Fincham explained presbyopia by stating that the lens simply became more rigid with age, and that the ciliary muscle didn't lose its power as was stated by Helmholtz.

In 1962, Weale claimed that both the lens and lens capsule were elastic. He felt that it was the elastic, "restoring" forces which kept the lens in its relaxed, unaccommodated form. These elastic forces of the lens, along with the elastic tissue of the ciliary body, are opposed by the elasticity of the lens capsule. In the young eye the elastic forces of the capsule are greater than the lens, but the reverse is true with the presbyope. With increased age the ciliary body increases in thickness and the lens increases in diameter. This produces a decreased tension of the zonules, and a corresponding reduction in the amplitude of accommodation.²⁶

Coleman in 1970, emphasized vitreous forces to produce changes in the lens shape during accommodation. He showed that the base of the vitreous is attached to the ciliary epithelium at the ora serrata, and the lens is also attached to the vitreous forming a ring along the posterior lens surface. Coleman felt that a relative pressure gradient existed between

the vitreous and aqueous compartments during accommodation.^{3, 8, 10}

In 1967, Patnaik reported that during accommodation the increase in the thickness of the anterior cortex was small, the increase in the posterior cortex was greater, and the nuclear thickness change was greatest.²¹ These same findings were reported in 1973 by Brown who noted differences in the elastic properties of the lens nucleus and cortex, as well as size changes with age.⁷ He stated that with accommodation, the nucleus got thicker and the cortex formed around it to cause the change in shape of the lens. During accommodation the anterior pole moves forward and the posterior pole moves backward to a smaller extent, with a relative forward movement of the geometric center of the lens. Brown noted the development of the anterior lenticonus was age dependent, being most marked at 29 years, and related to the nucleus of the lens. He questions the function of the lens capsule as he found no local thickening, but even and progressive thickening from the pole to periphery. He, furthermore, noted no changes in the lens capsule on accommodation.⁶

In 1983, Koretz et al, confirmed Brown's findings, and further narrowed the locale of the increase to the anterior nucleus.¹⁹ They found that the thicknesses of the anterior and posterior cortical regions remained almost unchanged over the entire accommodative range, and that the anterior lens capsule shows no variation with the level of accommodation. They reported that the vitreous did play a supporting role in accommodation.

Koretz also explains the deformation of the lens with accommodation as being due to the redistribution of a small amount of lens cytoplasm in each fiber. While a single fiber would have little effect on the overall shape, the additive effect of this redistribution would be significant.

ULTRASONOGRAPHY AS A TOOL TO STUDY ACCOMMODATION

The use of ultrasonography in optometry and ophthalmology began in 1956 when Mundt and Hughes employed it to detect intraocular tumors in humans. Since then it has become a standard piece of diagnostic equipment because it "provides highly detailed cross-sectional images of ocular and orbital morphology in a rapid, noninvasive manner that poses no significant threat of tissue damage."⁹

Ultrasound can be used by the examiner to study ocular and orbital anatomy, disease processes otherwise not visible, and time histories of tissue motion (M-mode). The most common use of ultrasonography in the eye, however, is the measurement of ocular dimensions - ocular biometry.^{9, 10, 14, 15, 16, 17, 18, 23}

The two principal uses of ultrasonic biometry in the clinic are: 1) axial measurement for anatomic or physiologic studies such as intraocular lens power determination, and 2) morphologic assessment for comparative studies such as the growth of intraocular tumors.^{9, 16, 18}

Radiographic methods have been developed and used to measure the globe length. There are concerns, however, regarding the danger of radiation damage to the lens and retina. Another concern for radiographic techniques is the subjective endpoint used to estimate the posterior pole position. Much more accurate and safe measurements can be made with A-mode ultrasonography.

Studies have also been conducted using phakometry to measure anterior chamber depth, lens thickness, and axial length.^{20,29} This method, utilizing

photographs of the Purkinje images, was determined to be less precise and clinically efficient than ultrasonographic techniques in measuring depth.^{21,29}

A-mode systems are most commonly used in ultrasonic biometry. Binkhorst extols their use in calculating the power necessary for intraocular lenses.⁴ Indeed, ultrasonography is the most commonly used method for the presurgical specification of the dioptric power of keratoprotheses and intraocular lenses. Other uses include studies of anterior chamber depth and lens thickness in patients with glaucoma, and the effects of Pilocarpine on the anterior chamber depth and lens thickness.¹

The application of ultrasonographic techniques to study the accommodation system prompted Coleman to propose a new model for the accommodative mechanism.⁸ His findings led him to propose a theory emphasizing the role of the vitreous in accommodation. Coleman documented the forward movement of the anterior lens surface without significant position change of the posterior lens surface, and attributed this phenomenon to the vitreous pressure exerted on the back of the lens.^{8, 10}

Coleman also noted the vitreous chamber lengthened in some cases, shortened in others, and remained unchanged in the remainder. These results prompted Storey to further evaluate the human accommodation system with ultrasonography.^{22, 23, 24}

Storey found in a group of high myopes that during accommodation there was a greater change in the axial length of the eye, especially in vitreous chamber depth. He also made note of a greater axial expansion of

the crystalline lens per diopter of accommodation in high myopes (-4 to -11), and concluded that it was "less efficient" than a near-emmetropic eye.²⁴

Beauchamp questions these results. His research confirms the general outlines of the von Helmholtz-Fincham hypothesis of the primacy of anterior surface changes in accommodation.² He notes, however, the role of the posterior lens surface in accommodation is nonnegligible, but that the movements made take place "largely unimpeded by the vitreous."

In the present study, A-mode ultrasonography was used to estimate the changes in the thickness and position of the major refractive elements at four different accommodative response levels. In addition, the same techniques were used to study the time course of cycloplegia.

METHODS

Sixteen subjects (S) between the ages of 18 and 31 were chosen for the study. All of the Ss were in excellent health, taking no medications, with no known allergies to any of the solutions being used, had no personal history of ocular disease, and had dark brown irides. Each had received a complete optometric examination immediately preceding the study and all were classified as having healthy ocular and visual systems. This classification was granted by virtue of their lack of ocular disease, and complete lack of distance and nearpoint symptoms, with tests of accommodation and convergence function falling within normal limits. In addition to the standard optometric findings, Bell retinoscopy was performed to determine the distances 6/6 letters needed to be presented

in order to obtain 1, 2, and 3 diopter responses from the Ss. This was done monocularly as well as binocularly to assure equal accommodative responses in each eye. The phoric posture at each of these distances was measured and recorded.

Five of the Ss were emmetropic, ten were myopic, and one was hyperopic. All of the Ss were correctable to 6/6 in both eyes. Suitable corrective lenses were worn before the fixating eye during data collection.

All A-mode ultrasonograms were obtained with the Ultrascan[®] Digital B[™] System IV from CooperVision utilizing the ELP-4B A-scan probe. This is a tonometer mounted probe with a 10 MHz frequency crystal capable of 60 mm penetration and 0.2 mm axial resolution. This probe was mounted in an AO[™] Goldmann Tonometer on an AO[™] Biomicroscope base. (Figure 1)

While the manufacturer stated 0.2 mm axial resolution, statistical analysis of the distribution of multiple readings showed an improved resolution of 0.1 mm. This enabled measurements to accurately reflect changes as small as 0.25 D. (Appendix I).

After the ocular and visual evaluation, each S was anesthetized with a drop of 0.5% proparacaine in both eyes. This was done to eliminate the blink reflex when the test eye was touched, and to minimize any blinking in the untested eye that might occur as a result of corneal dryness. The ultrasound probe was kept suitably moist throughout the procedure with irrigating solution. The S was seated comfortably behind the ultrasound unit and positioned using standard tonometry techniques. The S was then asked to adjust the mirror system so the targets could be viewed easily at each of the four test distances. The transducer was pre-aligned with the pupil of the eye both horizontally and vertically using the biomicroscope's

joystick, and the probe was then brought slowly into contact with the S's cornea.

When the probe made contact with the cornea, the monitor displayed the characteristic A-scan echo pattern with peaks corresponding to the cornea, and both lens surfaces, the retina, and the sclera. When the beam was aligned on the ocular axis, and the axial length measurement was stable, the instrument displayed an asterisk next to the measurement, and gave an audible tone to signify a "valid" scan. Often a "valid" scan did not have maximum peaks, but careful alignment of the ultrasound beam with the joystick allowed maximization of the echoes. No measurement was accepted in the study that did not display the unit designation of valid, and did not have maximum echo patterns.

The valid scan pattern was frozen on the screen by either depressing the footplate, or the FREEZE key on the front panel of the unit. At this time, the values were recorded, the scan unfrozen, and the next measurement taken.

The first series of measurements (Part I) were taken under noncycloplegic conditions. The S was first instructed to view the distant target (a Snellen Chart) and encouraged to concentrate on the 6/6 row of letters while the readings were being obtained. Five valid readings were taken at this distance and then the examiner presented the S with a nearpoint card at the 1 diopter response distance. Again, the S was encouraged to concentrate on the letters as five valid measurements were obtained. The same procedure was used for the 2 and 3 diopter responses.

The second series of measurements (Part II) were taken as the S underwent cycloplegia. An additional drop of anesthetic was instilled,

followed, 5 minutes later, by two drops of 1% cyclopentolate. Five readings for each of the four accommodation response levels were taken at 5, 15, 25, 35, 45, and 60 minutes using the same techniques and criteria as described for the noncyclopleged measurements.

At the conclusion of this phase, the S was evaluated for corneal abrasions, and given a glaucoma check. The S was advised of the signs and symptoms of acute closed angle glaucoma, and dismissed with instructions to return should (s)he experience any of the symptoms, or any severe pain whatsoever.

RESULTS

The results for Part I, the changes in ocular dimensions under noncycloplegic conditions, are summarized in Table 1. These data show no significant change in the axial length (Tza) of the eye from cycloplegia to any accommodation response level. (Figure 2).

The depth of the anterior chamber (Tac) and thickness of the lens (TI) showed significant changes at each of the three accommodative response levels. The anterior chamber became progressively more shallow with accommodation, and the lens progressively thicker, both as expected. (Figure 2) I found no posterior displacement of the lens with accommodation. While I did find a difference between the thickness of the lens with cycloplegia, and in a "relaxed" state, unlike the results obtained by Beauchamp, I did not find it to be significant.

I also could not confirm Storey's findings of a greater increase in lens

thickness per diopter for high myopes. The comparison of the findings between five myopes with refractive errors greater than four diopters, and eleven low myopes and emmetropes can be seen in Tables 2 and 3, and Figure 3. The changes in the anterior chamber depth and the lens thickness between the two groups are almost parallel. (See Appendix 4 for data summary).

One S, number six, showed an interesting accommodative pattern. The axial length and lens thickness remained essentially unchanged, with the anterior chamber steadily decreasing, and the vitreous chamber showing a corresponding increase. It appears that this subject's accommodative response involved the forward displacement of the lens alone.

Except for the foregoing single subject, the depth of the vitreous chamber (Tvc), like the axial length, showed no change with the increased accommodative response levels.

The results of Part II, changes in ocular dimensions over time as the eye falls under the influence of two drops of 1% cyclopentolate, are summarized in Table 4. These data show a gradual decrease in the degree of change in the accommodative components until full cyclopentolate cycloplegia at about 45 minutes. The greatest changes occur prior to the 25 minute measurements where the slopes begin to flatten out. (Figure 4)

There are no changes in the axial length whatsoever. The changes that occur in the anterior chamber, and lens show the greatest variability prior to the 35 minute readings, but do show some slight changes even up to 60 minutes into cyclopentolate cycloplegia. The vitreous chamber shows no variability throughout the experiment. (See Appendix 5 for data summary).

DISCUSSION

This study is consistent with the Helmholtz-Fincham theory of accommodation. As with their research, we found that during accommodation in the young eye the anterior chamber becomes more shallow, and the lens increases in thickness. The ultrasound measurements showed none of the changes in axial length or vitreous chamber depth at any level of accommodation, as reported by Coleman, and Storey. The findings also showed no movement of the posterior lens surface away from the cornea as reported by Beauchamp.

These results support a model in which the vitreous plays no part in accommodation.

This study also demonstrates the time course of action of two drops of 1% cyclopentolate hydrochloride. The effects of the drug are fairly rapid, being seen in the first five minutes for the two and three diopter accommodative responses. Full cyclopentolate cycloplegia is seen between 35 and 45 minutes for dark brown irides. As with the findings in Part I, the changes were in the lens and anterior chamber with no changes found in the axial length or vitreous chamber depth.

Variability of Ultrasound Biometric Measures

Several possibilities exist to explain the differences between the results obtained in this study and those obtained by Coleman and Storey.

Among the possibilities is the level of instrument accuracy claimed. While the instruments used by these researchers may allow accuracy to the 0.01 mm level on static models, too many variables exist to make a claim of this resolution possible in biological systems.

Small eye movements can result in rather large measurement errors. Beauchamp ² noted that eye movements as small as 4° could result in errors of more than 0.10 mm. Breathing, and small involuntary body movements can also cause peak shifts, resulting in apparent dimensional changes.

Variability in the pressure of the probe to the cornea can also result in shifts of the A-scan peaks leading one to believe a change in the axial length has occurred when, in fact, none has. Any movement of the tonometer base to which the probe is mounted can cause up to 0.1 mm measurement differences. The effect pharmaceuticals and repeated measurements have on the IOP, and the resulting differences in ultrasound measurement have not been assessed or documented.

Until such variables are controlled, it will be difficult to make claims of axial resolution much beyond the 0.05 mm range, and conclusions drawn from data purporting finer resolution are tenuous at best.

Figures, Tables, and Appendices

Figure 1 - Photograph of device

Figure 2 - Graph of noncycloplegic conditions

Figure 3 - Graphs of data for high myopes, and low myopes and emmetropes

Figure 4 - Graphs for cycloplegic conditions

Table 1 - Changes in ocular dimensions - noncycloplegic condition (Part I)

Table 2 & 3 - Changes for high myopes, and low myopes and emmetropes

Table 4 - Changes in ocular dimensions with cycloplegic (Part II)

Appendix 1 - Statistics for random number generator

Appendix 2 - Data for noncycloplegic conditions with summary (Part I)

Appendix 3 - Statistics

Appendix 4 - Separated data for high myopes, and low myopes and
emmetropes

Appendix 5 - Data for cycloplegic findings with summary (Part II)

Appendix 6 - Exam forms

Appendix 7 - Data

Figure 1 - Photograph of device

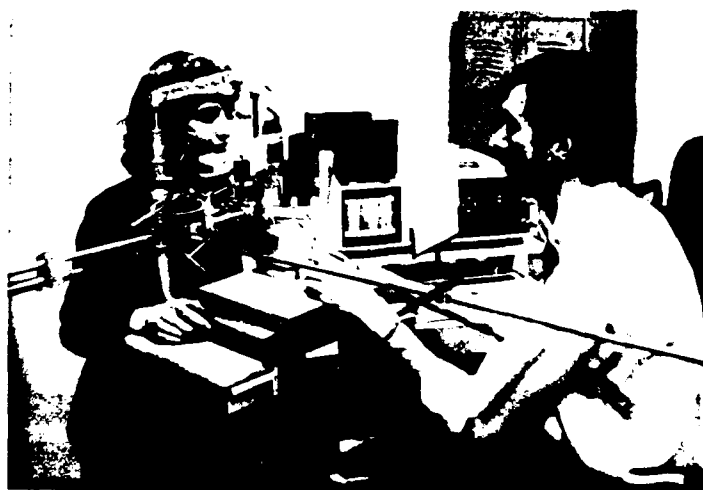
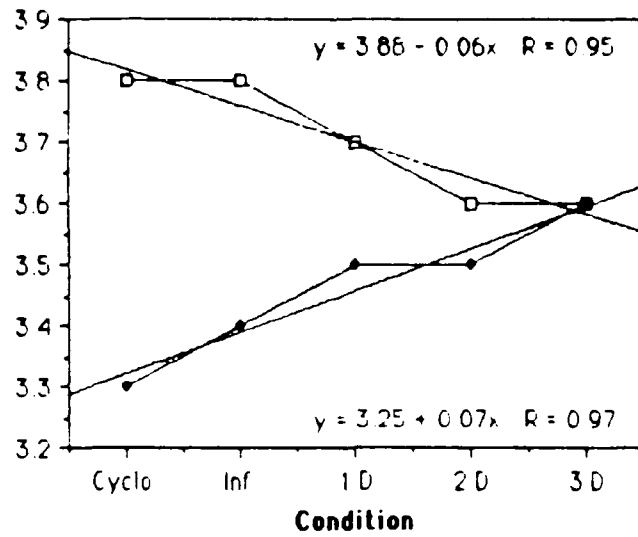


Figure 2 - Graph of noncycloplegic conditions

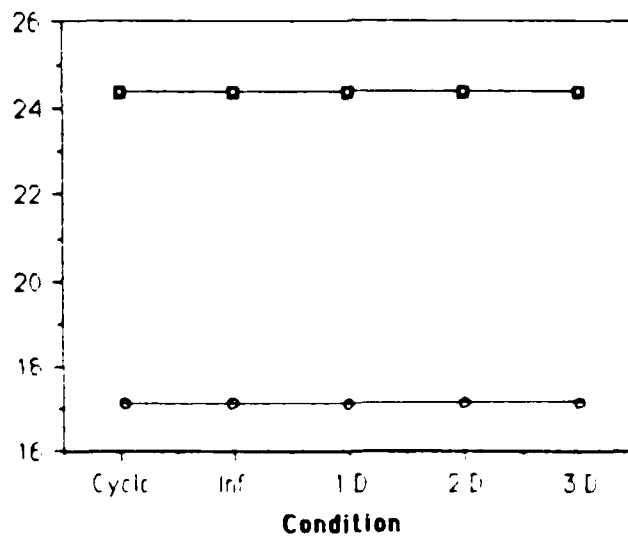
Figure 2

Ant. Chmbr. depth & Lens Thickness (mm)



$\square$ T_{lc}
 $\blacklozenge$ T_l

Axial Len. & Vit. Chamber Depth (mm)



$\square$ T_{vc}
 $\blacklozenge$ T_{za}

Figure 3 - Graphs of data for high myopes, and low myopes and emmetropes

Figure 3

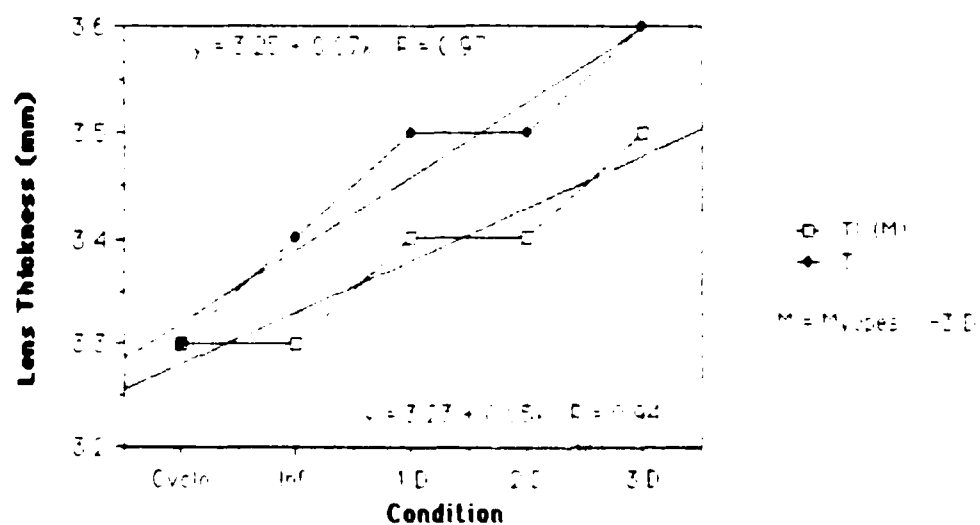
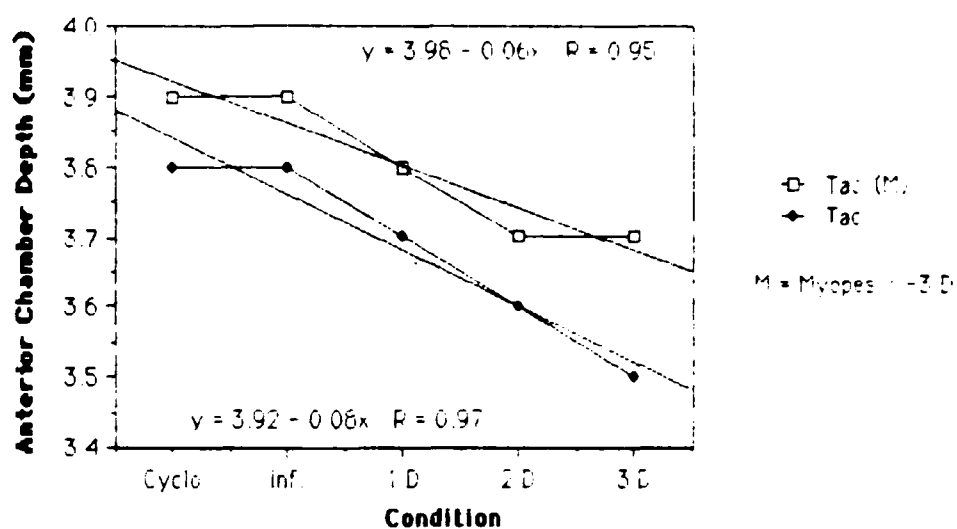


Figure 4 - Graphs for cycloplegic conditions

Figure 4

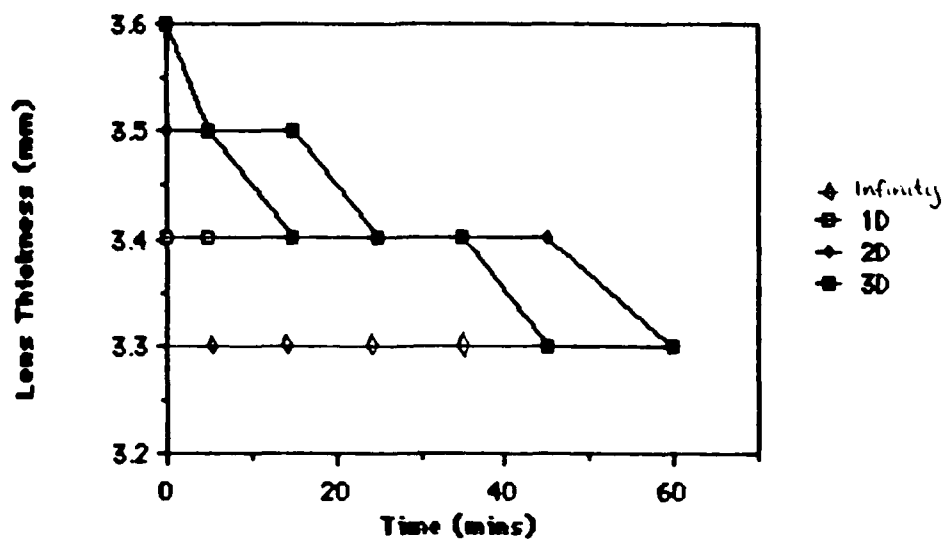
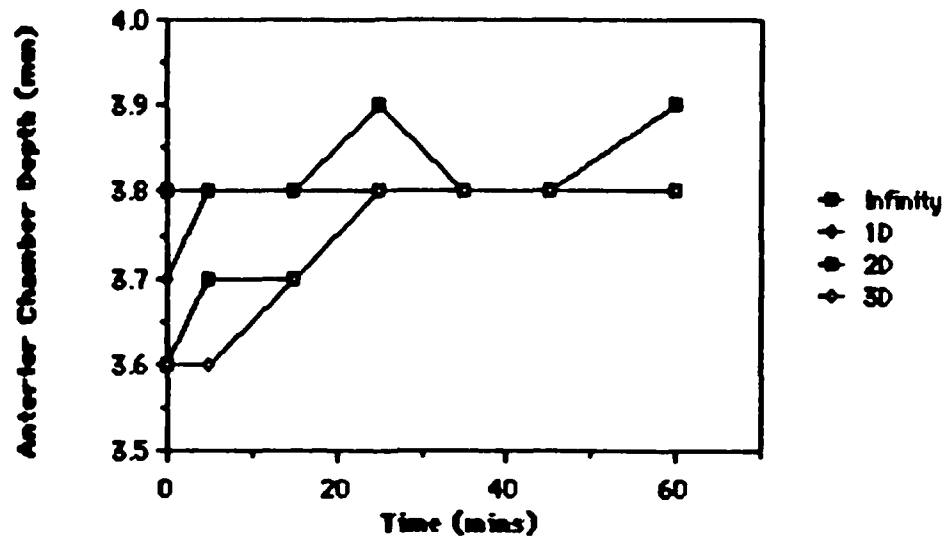


Table 1 - Changes in ocular dimensions - noncycloplegic condition (Part I)

Table 1

Changes in Ocular Dimensions under Noncycloplegic Conditions								
Subject	A Axial Length				B Anterior Chamber			
	Accommodation (D)				Accommodation (D)			
	0	1	2	3	0	1	2	3
1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1
2	-0.1	-0.1	-0.1	-0.1	0.1	0.1	-0.1	-0.1
3	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.4	-0.5
4	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.3
5	0.1	0.1	0.1	0.1	0.0	-0.2	-0.2	-0.4
6	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.3
7	0.0	0.0	0.0	0.1	0.0	-0.2	-0.3	-0.3
8	0.0	0.1	0.0	0.1	0.0	-0.1	-0.2	-0.2
9	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.3
10	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.3
11	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.3	-0.3
12	0.0	0.1	0.1	0.1	0.0	-0.1	-0.2	-0.2
13	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.3	-0.4
14	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.3
15	0.1	0.1	0.0	0.1	0.0	-0.1	-0.1	-0.2
16	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2
Subject	C Lens				D Vitreous Chamber			
	Accommodation (D)				Accommodation (D)			
	0	1	2	3	0	1	2	3
1	0.0	0.1	0.1	0.1	0.0	-0.1	-0.1	0.0
2	-0.1	0.0	0.1	0.2	0.0	-0.1	-0.1	-0.1
3	0.2	0.2	0.3	0.3	0.0	0.0	0.1	0.2
4	0.1	0.1	0.1	0.3	0.0	0.0	0.1	0.0
5	0.0	0.1	0.2	0.4	0.0	0.1	0.0	0.0
6	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.2
7	0.1	0.2	0.3	0.5	0.0	0.0	0.0	-0.1
8	0.0	0.1	0.2	0.3	0.0	0.0	0.0	0.0
9	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1
10	0.0	0.1	0.2	0.2	0.0	0.1	0.1	0.1
11	0.1	0.2	0.2	0.3	0.0	0.0	0.0	0.0
12	0.0	0.1	0.2	0.2	0.0	0.0	0.1	0.1
13	0.0	0.1	0.2	0.3	0.1	0.1	0.2	0.2
14	0.0	0.1	0.2	0.3	0.0	0.0	0.0	0.0
15	0.1	0.2	0.2	0.3	0.0	0.0	-0.1	0.0
16	0.1	0.2	0.2	0.3	0.0	-0.1	0.0	-0.1

**Table 2 - Changes in ocular dimensions under noncycloplegic conditions for
low myopes and emmetropes**

Table 2

Changes in Ocular Dimensions under Noncycloplegic Conditions for Myopes (<-3) & Emmetropes									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
1	0.0	0.0	0.0	0.0		0.1	0.0	0.0	-0.1
2	-0.1	-0.1	-0.1	-0.1		0.1	0.1	-0.1	-0.1
3	0.0	0.0	0.0	0.0		-0.1	-0.3	-0.4	-0.5
4	0.0	0.0	0.0	0.0		-0.1	-0.1	-0.2	-0.3
7	0.0	0.0	0.0	0.1		0.0	-0.2	-0.3	-0.3
9	0.0	0.0	0.0	0.0		-0.1	-0.1	-0.2	-0.3
11	0.0	0.0	0.0	0.0		-0.1	-0.2	-0.3	-0.3
13	-0.1	0.0	0.0	0.0		-0.1	-0.2	-0.3	-0.4
14	0.0	0.0	0.0	0.0		0.0	-0.2	-0.2	-0.3
15	0.1	0.1	0.0	0.1		0.0	-0.1	-0.1	-0.2
16	0.0	0.0	0.0	0.0		0.0	0.0	-0.2	-0.2
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
1	0.0	0.1	0.1	0.1		0.0	-0.1	-0.1	0.0
2	-0.1	0.0	0.1	0.2		0.0	-0.1	-0.1	-0.1
3	0.2	0.2	0.3	0.3		0.0	0.0	0.1	0.2
4	0.1	0.1	0.1	0.3		0.0	0.0	0.1	0.0
7	0.1	0.2	0.3	0.5		0.0	0.0	0.0	-0.1
9	0.0	0.1	0.2	0.2		0.1	0.1	0.1	0.1
11	0.1	0.2	0.2	0.3		0.0	0.0	0.0	0.0
13	0.0	0.1	0.2	0.3		0.1	0.1	0.2	0.2
14	0.0	0.1	0.2	0.3		0.0	0.0	0.0	0.0
15	0.1	0.2	0.2	0.3		0.0	0.0	-0.1	0.0
16	0.1	0.2	0.2	0.3		0.0	-0.1	0.0	-0.1

Table 3 - Changes in ocular dimensions under noncycloplegic conditions for high myopes

Table 3

Changes in Ocular Dimensions under Noncycloplegic Conditions for Myopes (>-4)									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
5	0.1	0.1	0.1	0.1		0.0	-0.2	-0.2	-0.4
6	0.0	0.0	0.0	0.0		0.0	-0.1	-0.3	-0.3
8	0.0	0.1	0.0	0.1		0.0	-0.1	-0.2	-0.2
10	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.3
12	0.0	0.1	0.1	0.1		0.0	-0.1	-0.2	-0.2
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
5	0.0	0.1	0.2	0.4		0.0	0.1	0.0	0.0
6	0.0	0.0	0.0	0.1		0.0	0.1	0.3	0.2
8	0.0	0.1	0.2	0.3		0.0	0.0	0.0	0.0
10	0.0	0.1	0.2	0.2		0.0	0.1	0.1	0.1
12	0.0	0.1	0.2	0.2		0.0	0.0	0.1	0.1

Table 4 - Changes in ocular dimensions with cycloplegic (Part II)

Table 4

Changes in Ocular Dimensions: Influence of 1% cyclopentolate with Time									
Time: 0 mins									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)				Accommodation (D)				
	0	1	2	3	0	1	2	3	
2	-0.1	-0.1	-0.1	-0.1	0.1	0.1	-0.1	-0.1	
3	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.4	-0.5	
4	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.3	
5	0.1	0.1	0.1	0.1	0.0	-0.2	-0.2	-0.4	
6	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.3	
7	0.0	0.0	0.0	0.1	0.0	-0.2	-0.3	-0.3	
8	0.0	0.1	0.0	0.1	0.0	-0.1	-0.2	-0.2	
9	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.3	
10	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.3	
11	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.3	-0.3	
12	0.0	0.1	0.1	0.1	0.0	-0.1	-0.2	-0.2	
13	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.3	-0.4	
14	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.3	
15	0.1	0.1	0.0	0.1	0.0	-0.1	-0.1	-0.2	
16	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)				Accommodation (D)				
	0	1	2	3	0	1	2	3	
2	-0.1	0.0	0.1	0.2	0.0	-0.1	-0.1	-0.1	
3	0.2	0.2	0.3	0.3	0.0	0.0	0.1	0.2	
4	0.1	0.1	0.1	0.3	0.0	0.0	0.1	0.0	
5	0.0	0.1	0.2	0.4	0.0	0.1	0.0	0.0	
6	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.2	
7	0.1	0.2	0.3	0.5	0.0	0.0	0.0	-0.1	
8	0.0	0.1	0.2	0.3	0.0	0.0	0.0	0.0	
9	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	
10	0.0	0.1	0.2	0.2	0.0	0.1	0.1	0.1	
11	0.1	0.2	0.2	0.3	0.0	0.0	0.0	0.0	
12	0.0	0.1	0.2	0.2	0.0	0.0	0.1	0.1	
13	0.0	0.1	0.2	0.3	0.1	0.1	0.2	0.2	
14	0.0	0.1	0.2	0.3	0.0	0.0	0.0	0.0	
15	0.1	0.2	0.2	0.3	0.0	0.0	-0.1	0.0	
16	0.1	0.2	0.2	0.3	0.0	-0.1	0.0	-0.1	

Table 4 (cont.)

Changes in Ocular Dimensions: Influence of 1% cyclopentolate with Time									
Time: 5 mins.									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	-0.1	-0.1	-0.1	-0.1		0.1	0.1	0.0	-0.1
3	0.0	0.0	0.0	0.0		-0.1	-0.3	-0.3	-0.3
4	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.3
5	0.1	0.1	0.1	0.1		-0.3	-0.2	-0.2	-0.3
6	0.0	0.0	0.0	0.0		0.0	0.0	-0.2	-0.1
7	0.0	0.0	0.0	0.0		-0.1	-0.1	-0.2	-0.3
8	0.0	0.0	0.0	0.1		-0.1	-0.2	-0.2	-0.3
9	0.0	0.0	0.0	0.0		0.0	-0.2	-0.2	-0.3
10	0.0	0.0	0.0	0.0		0.0	-0.2	-0.3	-0.3
11	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.2
12	0.0	0.1	0.1	0.1		0.0	-0.1	-0.2	-0.2
13	0.0	0.0	0.0	0.0		-0.1	-0.2	-0.3	-0.3
14	0.0	0.0	0.0	0.0		0.0	-0.1	-0.3	-0.3
15	0.0	0.1	0.0	0.0		0.0	-0.1	-0.2	-0.2
16	0.0	0.0	0.0	0.0		-0.1	-0.1	-0.2	-0.2
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	-0.1	-0.2	-0.1	0.0		-0.1	-0.1	0.0	0.0
3	0.1	0.2	0.2	0.3		0.0	0.1	0.1	0.1
4	0.0	0.2	0.2	0.3		0.0	0.0	0.0	0.0
5	0.0	0.1	0.2	0.3		0.3	0.1	-0.1	0.0
6	0.0	0.0	0.0	0.0		0.0	0.0	0.2	0.2
7	0.0	0.2	0.2	0.4		0.1	0.0	0.0	0.0
8	0.0	0.1	0.2	0.3		0.2	0.1	0.0	0.1
9	0.0	0.1	0.1	0.2		0.0	0.1	0.2	0.2
10	0.0	0.1	0.2	0.3		0.0	0.1	0.1	0.1
11	0.0	0.1	0.2	0.3		-0.1	-0.1	0.0	-0.1
12	0.1	0.1	0.2	0.2		0.0	0.0	0.1	0.1
13	0.0	0.1	0.2	0.3		0.1	0.1	0.1	0.1
14	0.0	0.1	0.2	0.2		0.0	0.0	0.1	0.1
15	0.0	0.2	0.2	0.3		0.0	0.0	0.0	0.0
16	0.1	0.1	0.2	0.3		0.1	0.0	0.1	0.0

Table 4 (cont.)

Changes in Ocular Dimensions: Influence of 1% cyclopentolate with Time									
Time: 15 mins.									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	-0.1	-0.1	-0.1	-0.1		0.0	-0.1	-0.1	-0.1
3	0.0	0.0	0.0	0.0		-0.1	-0.2	-0.3	-0.3
4	0.0	0.0	0.0	0.0		0.0	-0.2	-0.2	-0.2
5	0.1	0.1	0.0	0.1		0.0	-0.1	-0.1	-0.3
6	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
7	0.0	0.0	0.0	0.0		-0.1	-0.1	-0.2	-0.1
8	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
9	0.0	0.0	0.0	0.0		-0.1	-0.2	-0.3	-0.3
10	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.1
11	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.1
12	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
13	0.0	0.0	0.0	0.0		0.0	-0.1	-0.3	-0.3
14	0.0	0.0	0.0	0.0		-0.1	-0.2	-0.1	-0.1
15	0.1	0.0	0.1	0.0		-0.1	-0.1	-0.2	-0.2
16	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.2
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	0.0	0.1	0.1	0.1		-0.1	-0.1	-0.1	0.0
3	0.1	0.1	0.2	0.2		0.1	0.0	0.1	0.2
4	0.0	0.1	0.1	0.2		0.0	0.0	0.1	0.0
5	-0.1	0.0	0.1	0.2		0.0	0.0	0.0	0.1
6	0.0	0.0	0.1	0.1		0.1	0.1	0.0	0.0
7	0.1	0.2	0.2	0.2		0.0	0.0	0.0	0.0
8	0.0	0.1	0.0	0.0		0.0	0.0	0.1	0.1
9	0.0	0.1	0.1	0.2		0.1	0.1	0.2	0.1
10	0.0	0.1	0.2	0.2		0.0	0.1	0.1	0.0
11	0.0	0.1	0.2	0.2		0.0	0.0	0.0	-0.1
12	0.0	0.1	0.1	0.1		0.0	0.1	0.0	0.0
13	0.0	0.1	0.2	0.2		0.0	0.0	0.1	0.1
14	0.0	0.1	0.0	0.1		0.0	0.1	0.0	0.0
15	0.0	0.1	0.2	0.2		0.2	0.0	0.1	0.0
16	0.1	0.2	0.1	0.2		0.0	0.0	0.1	0.1

Table 4 (cont.)

Changes in Ocular Dimensions: Influence of 1% cyclopentolate with Time									
Time: 25 mins.									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	-0.1	-0.1	-0.1	0.0		-0.1	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0		-0.1	-0.2	-0.3	-0.1
4	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
5	0.0	0.0	0.0	0.0		0.1	-0.1	-0.1	-0.1
6	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	0.0
7	0.0	0.0	0.0	0.0		-0.1	-0.1	0.0	-0.1
8	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	-0.1
9	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.2
10	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.1
11	0.0	0.0	0.0	0.0		0.0	-0.2	-0.2	-0.1
12	0.0	0.0	0.1	0.0		0.0	-0.1	-0.1	-0.1
13	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.1
14	0.0	0.0	0.0	0.0		0.1	-0.1	-0.1	-0.1
15	0.0	0.0	0.0	0.1		0.0	-0.1	-0.1	-0.1
16	0.0	0.0	0.0	0.0		0.0	-0.1	-0.2	-0.1
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	0.0
3	0.0	0.2	0.2	0.0		0.1	0.1	0.1	0.1
4	0.0	0.1	0.1	0.0		-0.1	0.0	0.0	0.0
5	0.0	0.1	0.1	0.1		-0.1	-0.1	-0.1	0.0
6	0.0	0.1	0.2	0.0		0.0	0.0	-0.1	0.0
7	0.1	0.2	0.1	0.2		0.0	0.0	-0.1	0.0
8	0.0	0.1	0.0	0.1		0.0	0.1	0.0	0.0
9	0.0	0.1	0.0	0.1		0.0	0.1	0.1	0.1
10	0.0	0.1	0.0	0.1		0.0	0.1	0.2	0.0
11	0.0	0.1	0.1	0.1		0.0	0.0	0.1	0.0
12	0.0	0.1	0.1	0.1		0.0	0.0	0.1	0.0
13	0.0	0.1	0.1	0.1		0.1	0.1	0.1	0.1
14	-0.1	0.1	0.0	0.0		0.0	0.0	0.1	0.1
15	0.0	0.0	0.0	0.0		0.1	0.1	0.1	0.2
16	0.0	0.1	0.1	0.1		0.0	0.1	0.1	0.1

Table 4 (cont.)

Changes in Ocular Dimensions: Influence of 1% cyclopentolate with Time									
Time: 35 mins									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	-0.1	-0.1	0.0	0.0		-0.1	-0.1	0.0	0.0
3	0.0	0.0	0.0	0.0		-0.1	-0.1	-0.1	-0.1
4	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	0.0
5	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	-0.1
6	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	0.0
7	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	0.0
8	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
9	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
10	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	0.0
11	0.0	0.0	0.0	0.0		0.0	0.0	-0.1	0.0
12	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
13	0.0	0.0	0.0	-0.1		0.0	-0.1	-0.1	-0.1
14	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
15	0.0	0.0	0.0	0.1		-0.1	-0.1	-0.1	-0.1
16	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
3	0.0	0.1	0.0	0.0		0.0	0.1	0.0	0.1
4	0.0	0.1	0.0	0.0		-0.1	0.0	-0.1	0.0
5	-0.1	0.0	0.0	0.1		0.0	0.0	-0.1	-0.1
6	0.0	0.1	0.2	0.0		0.0	0.0	-0.1	0.0
7	0.1	0.1	0.1	0.1		0.0	0.0	0.0	-0.1
8	0.0	0.1	0.0	0.0		0.1	0.1	0.1	0.1
9	0.0	0.0	0.1	0.0		0.1	0.1	0.1	0.1
10	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0
11	0.0	0.0	-0.1	0.0		0.0	0.0	0.1	0.0
12	0.1	0.1	0.1	0.1		0.0	0.0	0.0	0.0
13	0.1	0.1	0.2	0.1		0.0	0.0	0.0	0.0
14	-0.1	0.0	0.0	0.0		0.1	0.1	0.1	0.1
15	-0.1	0.0	0.0	0.0		0.2	0.1	0.1	0.2
16	0.0	0.1	0.1	0.1		0.1	0.1	0.1	0.1

Table 4 (cont.)

Changes in Ocular Dimensions: Influence of 1% cyclopentolate with Time									
Time: 45 mins									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	-0.1	0.0	-0.1	0.0		0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0		-0.1	-0.1	-0.1	-0.1
4	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
5	0.1	0.0	0.1	0.0		-0.1	0.0	0.0	-0.1
6	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0		-0.1	0.0	-0.1	-0.1
8	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	0.0
9	0.0	0.0	0.0	0.0		0.0	0.0	-0.1	-0.1
10	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
11	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	0.0
12	0.0	0.0	0.1	0.0		0.0	-0.1	-0.1	-0.1
13	0.0	0.0	-0.1	-0.1		0.0	-0.1	0.0	0.0
14	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	0.0
15	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	-0.1
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	0.0	0.0	0.0	0.0		-0.1	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0		0.0	0.0	0.1	0.1
4	0.0	0.1	0.0	0.0		0.0	-0.1	0.0	-0.1
5	0.0	0.0	0.0	0.0		0.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0		0.0	0.1	0.0	0.0
7	0.2	0.1	0.1	0.1		0.0	-0.1	0.0	0.0
8	0.0	0.0	0.0	0.0		0.1	0.1	0.1	0.0
9	0.0	0.0	0.0	0.0		0.0	0.0	0.1	0.1
10	0.0	0.1	0.1	0.0		0.0	0.0	0.0	0.0
11	0.0	-0.1	0.1	0.0		0.0	0.1	-0.1	-0.1
12	0.0	0.1	0.1	0.0		0.0	0.0	0.1	0.1
13	0.0	0.1	0.0	0.1		0.0	0.1	0.0	0.0
14	0.0	0.0	0.0	0.0		0.0	0.0	0.1	0.0
15	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
16	0.0	0.0	0.1	0.0		0.0	0.1	0.0	0.1

Table 4 (cont.)

Changes in Ocular Dimensions: Influence of 1% cyclopentolate with Time									
Time: 60 mins.									
A. Axial Length					B. Anterior Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	0.0	-0.1	0.0	-0.1		0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
5	0.0	0.1	0.1	0.0		0.0	0.0	0.0	-0.1
6	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0		0.0	0.0	-0.1	0.0
9	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	0.0
10	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	0.0
11	0.0	0.0	0.0	0.0		0.0	-0.1	0.0	0.0
12	0.0	0.0	0.1	0.0		0.0	-0.1	0.0	0.0
13	0.0	-0.1	0.0	0.0		0.0	0.0	0.0	-0.1
14	0.0	0.0	0.0	0.0		0.0	0.0	0.0	-0.1
15	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
C. Lens					D. Vitreous Chamber				
Subject	Accommodation (D)					Accommodation (D)			
	0	1	2	3		0	1	2	3
2	0.0	0.0	0.0	0.0		0.0	-0.1	-0.1	-0.1
3	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0		0.0	0.0	0.0	-0.1
5	0.0	0.1	0.0	0.1		0.0	-0.1	0.0	0.0
6	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
7	0.0	0.1	0.1	0.1		0.0	0.0	-0.1	0.0
8	0.0	0.0	0.0	0.0		0.0	0.1	0.1	0.0
9	0.0	0.0	0.0	0.0		0.0	0.1	0.1	0.1
10	0.0	0.0	0.0	0.0		0.0	0.1	0.0	0.0
11	0.0	0.0	0.0	0.0		0.0	0.1	0.0	0.0
12	0.0	0.1	0.1	0.0		0.0	0.1	0.0	0.0
13	0.0	0.1	0.1	0.1		0.0	0.0	0.0	0.1
14	0.0	-0.1	0.0	0.0		0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0		0.0	0.1	0.0	0.0
16	0.0	0.0	0.0	0.0		0.0	0.1	0.1	0.1

Appendix 1 - Statistics for random number generator

Appendix I

In order to improve the axial resolution of the ultrasound findings, multiple readings were taken and a statistical analysis of the distribution made. This involved writing a program on the IBM PCAT which would generate, and statistically analyze three findings grouped in a random pattern.

Program and Results:

```
10 RANDOMIZE TIMER
20 DIM MEANS (500)
30 INPUT "INPUT THE N";N
40 FOR I = 1 TO N
50 Z = 0
60 FOR J = 1 TO 3
70 X = RND (3)
80 IF X < 0.333 THEN Y = 25.43
90 IF X >= 0.333 AND X < 0.666 THEN Y = 25.44
100 IF X >= 0.666 THEN Y = 25.45
110 Z = Z + Y
120 NEXT J
130 X1 = Z/3
140 X2 = X1^2
150 Y1 = Y1 + X1
160 Y2 = Y2 + X2
170 NEXT I
180 MN = Y1/N
190 SD = SQR (((N * Y2) - (Y1^2))/(N * (N - 1)))
200 SD1 = MN - SD: SD2 = MN + SD
210 PRINT MN;" ";SD1;" ";SD;" ";SD2
220 END
```

<u>MEAN</u>	<u>MEAN - 1 STD DEV</u>	<u>STD DEV</u>	<u>MEAN + 1 STD DEV</u>
25.44104	25.43297	8.068715E-03	25.44911
25.43917	25.4311	8.068715E-03	25.44724
25.44063	25.43256	8.068715E-03	25.4869

Appendix 2 - Data for noncycloplegic conditions with summary (Part I)

Noncycloplegic Conditions								
Subject	Cyclo				Infinity			
	Tza	Tac	TI	Tvc	Tza	Tac	TI	Tvc
1	23.7	3.3	3.5	16.9	23.7	3.4	3.5	16.9
2	24.6	3.9	3.3	17.4	24.5	4.0	3.2	17.4
3	22.9	3.8	3.5	15.6	22.9	3.7	3.7	15.6
4	21.7	3.4	3.4	14.9	21.7	3.3	3.5	14.9
5	25.2	3.9	3.0	18.4	25.3	3.9	3.0	18.4
6	26.3	4.0	3.3	19.0	26.3	4.0	3.3	19.0
7	24.1	4.0	2.9	17.2	24.1	4.0	3.0	17.2
8	25.1	4.0	3.3	17.8	25.1	4.0	3.3	17.8
9	23.5	4.0	3.3	16.2	23.5	3.9	3.3	16.3
10	27.1	4.0	3.3	19.8	27.1	4.0	3.3	19.8
11	23.2	3.7	3.6	15.9	23.2	3.6	3.7	15.9
12	26.1	3.7	3.5	18.9	26.1	3.7	3.5	18.9
13	24.9	3.6	3.2	18.0	24.8	3.5	3.2	18.1
14	23.8	4.0	3.3	16.5	23.8	4.0	3.3	16.5
15	23.1	4.0	3.4	15.7	23.2	4.0	3.5	15.7
16	23.9	4.0	3.3	16.5	23.9	4.0	3.4	16.5
Ave	24.3	3.8	3.3	17.2	24.3	3.8	3.4	17.2
Subject	1 D				2 D			
	Tza	Tac	TI	Tvc	Tza	Tac	TI	Tvc
1	23.7	3.3	3.6	16.8	23.7	3.3	3.6	16.8
2	24.5	4.0	3.3	17.3	24.5	3.8	3.4	17.3
3	22.9	3.5	3.7	15.6	22.9	3.4	3.8	15.7
4	21.7	3.3	3.5	14.9	21.7	3.2	3.5	15.0
5	25.3	3.7	3.1	18.5	25.3	3.7	3.2	18.4
6	26.3	3.9	3.3	19.1	26.3	3.7	3.3	19.3
7	24.1	3.8	3.1	17.2	24.1	3.7	3.2	17.2
8	25.2	3.9	3.4	17.8	25.1	3.8	3.5	17.8
9	23.5	3.9	3.4	16.3	23.5	3.8	3.5	16.3
10	27.1	3.9	3.4	19.9	27.1	3.8	3.5	19.9
11	23.2	3.5	3.8	15.9	23.2	3.4	3.8	15.9
12	26.2	3.6	3.6	18.9	26.2	3.5	3.7	19.0
13	24.9	3.4	3.3	18.1	24.9	3.3	3.4	18.2
14	23.8	3.8	3.4	16.5	23.8	3.8	3.5	16.5
15	23.2	3.9	3.6	15.7	23.1	3.9	3.6	15.6
16	23.9	4.0	3.5	16.4	23.9	3.8	3.5	16.5
Ave	24.3	3.7	3.4	17.2	24.3	3.6	3.5	17.2
Summary								
	Tza	Tac	TI	Tvc				
Cyclo	24.3	3.8	3.3	17.2				
Inf	24.3	3.8	3.4	17.2				
1D	24.3	3.7	3.5	17.2				
2D	24.3	3.6	3.5	17.2				
3D	24.3	3.6	3.6	17.2				

Appendix 2

Subject	3 D			
	Tza	Tac	Tl	Tvc
1	23.7	3.2	3.6	16.9
2	24.5	3.8	3.5	17.3
3	22.9	3.3	3.8	15.8
4	21.7	3.1	3.7	14.9
5	25.3	3.5	3.4	18.4
6	26.3	3.7	3.4	19.2
7	24.2	3.7	3.4	17.1
8	25.2	3.8	3.6	17.8
9	23.5	3.7	3.5	16.3
10	27.1	3.7	3.5	19.9
11	23.2	3.4	3.9	15.9
12	26.2	3.5	3.7	19.0
13	24.9	3.2	3.5	18.2
14	23.8	3.7	3.6	16.5
15	23.2	3.8	3.7	15.7
16	23.9	3.8	3.6	16.4
Ave	24.3	3.6	3.6	17.2

Appendix 3 - Statistics

AXIAL LENGTH

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Source:	df:	Sum of Squares:	Mean Square:	F-test:	P value:
Between subjects	15	149.8	10	10649.9	1.0E-4
Within subjects	64	6.0E-2	9.38E-4		
treatments	4	7.00E-3	1.75E-3	2	.1089
residual	60	5.3E-2	8.83E-4		
Total	79	149.8			

Reliability Estimates for- All treatments: 1 Single Treatment: 1

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Group:	Count:	Mean:	Std. Dev.:	Std. Error:
Tza	16	24.3	1.4	3.5E-1
Iza	16	24.3	1.4	3.5E-1
1za	16	24.3	1.4	3.5E-1
2za	16	24.3	1.4	3.6E-1
3za	16	24.3	1.4	3.5E-1

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnett t:
Tza vs. Iza	1.25E-2	1.76E-2	3.5E-1	1.2
Tza vs. 1za	-1.25E-2	1.76E-2	3.5E-1	1.2
Tza vs. 2za	-6.25E-3	1.76E-2	8.8E-2	5.9E-1
Tza vs. 3za	-1.25E-2	1.76E-2	3.5E-1	1.2
Iza vs. 1za	-2.50E-2	1.76E-2*	1.4	2.4

* Significant at 90%

AXIAL LENGTH

One Factor ANOVA-Repeated Measures for X₁ - X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnett t:
1za vs. 2za	-1.88E-2	1.76E-2*	8.0E-1	1.8
1za vs. 3za	-2.50E-2	1.76E-2*	1.4	2.4
1za vs. 2za	6.25E-3	1.76E-2	8.8E-2	5.9E-1
1za vs. 3za	1.73E-18	1.76E-2	6.81E-33	1.65E-16
2za vs. 3za	-6.25E-3	1.76E-2	8.8E-2	5.9E-1

* Significant at 90%

ANTERIOR CHAMBER

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Source:	df:	Sum of Squares:	Mean Square:	F-test:	P value:
Between subjects	15	4.1	2.7E-1	15.9	1.0E-4
Within subjects	64	1.1	1.71E-2		
treatments	4	9.1E-1	2.3E-1	75.2	1.0E-4
residual	60	1.8E-1	3.04E-3		
Total	79	5.2			

Reliability Estimates for- All treatments: 9.4E-1 Single Treatment: 7.5E-1

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Group:	Count:	Mean:	Std. Dev.:	Std. Error:
Tac	16	3.8	2.3E-1	5.8E-2
Iac	16	3.8	2.4E-1	6.1E-2
1ac	16	3.7	2.4E-1	6.1E-2
2ac	16	3.6	2.3E-1	5.7E-2
3ac	16	3.6	2.4E-1	6.1E-2

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnnett t:
Tac vs. Iac	1.87E-2	3.26E-2	2.3E-1	1
Tac vs. 1ac	1.2E-1	3.26E-2*	9.3*	6.1
Tac vs. 2ac	2.1E-1	3.26E-2*	29.7*	10.9
Tac vs. 3ac	2.7E-1	3.26E-2*	49.8*	14.1
Iac vs. 1ac	1.0E-1	3.26E-2*	6.6*	5.1

* Significant at 90%

ANTERIOR CHAMBER

One Factor ANOVA-Repeated Measures for X₁ - X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnnett t:
1ac vs. 2ac	1.9E-1	3.26E-2*	24.7*	9.9
1ac vs. 3ac	2.6E-1	3.26E-2*	43.2*	13.2
1ac vs. 2ac	9.4E-2	3.26E-2*	5.8*	4.8
1ac vs. 3ac	1.6E-1	3.26E-2*	16.1*	8
2ac vs. 3ac	6.2E-2	3.26E-2*	2.6*	3.2

* Significant at 90%

LENS

One Factor ANOVA-Repeated Measures for X₁ - X₅

Source:	df:	Sum of Squares:	Mean Square:	F-test:	P value:
Between subjects	15	2.3	1.6E-1	10.8	1.0E-4
Within subjects	64	9.2E-1	1.44E-2		
treatments	4	7.5E-1	1.9E-1	67.8	1.0E-4
residual	60	1.7E-1	2.78E-3		
Total	79	3.3			

Reliability Estimates for- All treatments: 9.1E-1 Single Treatment: 6.6E-1

One Factor ANOVA-Repeated Measures for X₁ - X₅

Group:	Count:	Mean:	Std. Dev.:	Std. Error:
T1	16	3.3	1.8E-1	4.49E-2
II	16	3.4	2.1E-1	5.2E-2
11	16	3.4	2.0E-1	4.91E-2
21	16	3.5	1.8E-1	4.47E-2
31	16	3.6	1.5E-1	3.64E-2

One Factor ANOVA-Repeated Measures for X₁ - X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnnett t:
T1 vs. II	-3.75E-2	3.11E-2*	1	2
T1 vs. 11	-1.2E-1	3.11E-2*	10.1*	6.4
T1 vs. 21	-1.8E-1	3.11E-2*	23.6*	9.7
T1 vs. 31	-2.7E-1	3.11E-2*	52*	14.4
II vs. 11	-8.1E-2	3.11E-2*	4.8*	4.4

* Significant at 90%

LENS

One Factor ANOVA-Repeated Measures for X₁ - X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnnett t:
II vs. 2I	-1.4E-1	3.11E-2*	14.9*	7.7
II vs. 3I	-2.3E-1	3.11E-2*	38.5*	12.4
II vs. 2I	-6.3E-2	3.11E-2*	2.8*	3.4
II vs. 3I	-1.5E-1	3.11E-2*	16.2*	8
2I vs. 3I	-8.8E-2	3.11E-2*	5.5*	4.7

* Significant at 90%

VITREOUS CHAMBER

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Source:	df:	Sum of Squares:	Mean Square:	F-test:	P value:
Between subjects	15	150.4	10	2587.2	1.0E-4
Within subjects	64	2.5E-1	3.88E-3		
treatments	4	1.75E-2	4.37E-3	1.1	.347
residual	60	2.3E-1	3.84E-3		
Total	79	150.6			

Reliability Estimates for- All treatments: 1 Single Treatment: 1

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Group:	Count:	Mean:	Std. Dev.:	Std. Error:
Tvc	16	17.2	1.4	3.5E-1
Ivc	16	17.2	1.4	3.5E-1
1vc	16	17.2	1.4	3.6E-1
2vc	16	17.2	1.4	3.6E-1
3vc	16	17.2	1.4	3.6E-1

One Factor ANOVA-Repeated Measures for X₁ ... X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnett t:
Tvc vs. Ivc	-1.25E-2	3.66E-2	8.1E-2	5.7E-1
Tvc vs. 1vc	-1.25E-2	3.66E-2	8.1E-2	5.7E-1
Tvc vs. 2vc	-4.38E-2	3.66E-2*	1	2
Tvc vs. 3vc	-2.50E-2	3.66E-2	3.3E-1	1.1
Ivc vs. 1vc	0	3.66E-2	0	0

* Significant at 90%

VITREOUS CHAMBER

One Factor ANOVA-Repeated Measures for X₁ - X₅

Comparison:	Mean Diff.:	Fisher PLSD:	Scheffe F-test:	Dunnnett t:
1vo vs. 2vo	-3.12E-2	3.66E-2	5.1E-1	1.4
1vo vs. 3vo	-1.25E-2	3.66E-2	8.1E-2	5.7E-1
1vo vs. 2vo	-3.12E-2	3.66E-2	5.1E-1	1.4
1vo vs. 3vo	-1.25E-2	3.66E-2	8.1E-2	5.7E-1
2vo vs. 3vo	1.87E-2	3.66E-2	1.8E-1	8.6E-1

**Appendix 4 - Separated data for high myopes, and low myopes and
emmetropes**

Noncycloplegic Conditions - Myopes (-3) & Emmetropes									
Subject	Cyclo				Infinity				
	Tza	Tac	TI	Tvc	Tza	Tac	TI	Tvc	
1	23.7	3.3	3.5	16.9	23.7	3.4	3.5	16.8	
2	24.6	3.9	3.3	17.4	24.5	4.0	3.2	17.3	
3	22.9	3.8	3.5	15.6	22.9	3.7	3.7	15.5	
4	21.7	3.4	3.4	14.9	21.7	3.3	3.5	14.9	
7	24.1	4.0	2.9	17.2	24.1	4.0	3.0	17.1	
9	23.5	4.0	3.3	16.2	23.5	3.9	3.3	16.3	
11	23.2	3.7	3.6	15.9	23.2	3.6	3.7	15.9	
13	24.9	3.6	3.2	18.1	24.8	3.5	3.2	18.1	
14	23.8	4.0	3.3	16.5	23.8	4.0	3.3	16.5	
15	23.1	4.0	3.4	15.7	23.2	4.0	3.5	15.7	
16	23.9	4.0	3.3	16.6	23.9	4.0	3.4	16.5	
Ave.	23.6	3.8	3.3	16.5	23.6	3.8	3.4	16.4	
Subject	1 D				2 D				
	Tza	Tac	TI	Tvc	Tza	Tac	TI	Tvc	
1	23.7	3.3	3.6	16.8	23.7	3.3	3.6	16.8	
2	24.5	4.0	3.3	17.2	24.5	3.8	3.4	17.3	
3	22.9	3.5	3.7	15.7	22.9	3.4	3.8	15.7	
4	21.7	3.3	3.5	14.9	21.7	3.2	3.5	15.0	
7	24.1	3.8	3.1	17.2	24.1	3.7	3.2	17.2	
9	23.5	3.9	3.4	16.2	23.5	3.8	3.5	16.2	
11	23.2	3.5	3.8	15.9	23.2	3.4	3.8	16.0	
13	24.9	3.4	3.3	18.2	24.9	3.3	3.4	18.2	
14	23.8	3.8	3.4	16.6	23.8	3.8	3.5	16.5	
15	23.2	3.9	3.6	15.7	23.1	3.9	3.6	15.6	
16	23.9	4.0	3.5	16.4	23.9	3.8	3.5	16.6	
Ave.	23.6	3.7	3.5	16.4	23.6	3.6	3.5	16.5	
Subject	3 D				Summary				
	Tza	Tac	TI	Tvc					
1	23.7	3.2	3.6	16.9	Cyclo	23.6	3.8	3.3	16.5
2	24.5	3.8	3.5	17.2					
3	22.9	3.3	3.8	15.8	Infinity	23.6	3.8	3.4	16.4
4	21.7	3.1	3.7	14.9					
7	24.2	3.7	3.4	17.1	1 D	23.6	3.7	3.5	16.4
9	23.5	3.7	3.5	16.3					
11	23.2	3.4	3.9	15.9	2 D	23.6	3.6	3.5	16.5
13	24.9	3.2	3.5	18.2					
14	23.8	3.7	3.6	16.5	3 D	23.6	3.5	3.6	16.5
15	23.2	3.8	3.7	15.7					
16	23.9	3.8	3.6	16.5					
Ave.	23.6	3.5	3.6	16.5					

Noncycloplegic Conditions - Myopes (> -4)									
Subject	Cyclo				Infinity				
	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc	
5	25.2	3.9	3.0	18.3	25.3	3.9	3.0	18.4	
6	26.3	4.0	3.3	19.0	26.3	4.0	3.3	19.0	
8	25.1	4.0	3.3	17.8	25.1	4.0	3.3	17.8	
10	27.1	4.0	3.3	19.8	27.1	4.0	3.3	19.8	
12	26.1	3.7	3.5	18.9	26.1	3.7	3.5	18.9	
Ave	26.0	3.9	3.3	18.8	26.0	3.9	3.3	18.8	
Subject	1 D				2 D				
	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc	
5	25.3	3.7	3.1	18.5	25.3	3.7	3.2	18.4	
6	26.3	3.9	3.3	19.1	26.3	3.7	3.3	19.3	
8	25.2	3.9	3.4	17.9	25.1	3.8	3.5	17.8	
10	27.1	3.9	3.4	19.8	27.1	3.8	3.5	19.8	
12	26.2	3.6	3.6	19.0	26.2	3.5	3.7	19.0	
Ave	26.0	3.8	3.4	18.9	26.0	3.7	3.4	18.9	
Subject	3 D				Summary				
	Tza	Tac	Tl	Tvc		Tza	Tac	Tl	Tvc
5	25.3	3.5	3.4	18.4					
6	26.3	3.7	3.4	19.2	Cyclo	26.0	3.9	3.3	18.8
8	25.2	3.8	3.6	17.8	Infinity	26.0	3.9	3.3	18.8
10	27.1	3.7	3.5	19.9	1 D	26.0	3.8	3.4	18.9
12	26.2	3.5	3.7	19.0	2 D	26.0	3.7	3.4	18.9
					3 D	26.0	3.6	3.5	18.9
Ave	26.0	3.6	3.5	18.9					

Appendix 5 - Data for cycloplegic findings with summary (Part II)

Appendix 5

Changes in Ocular Dimensions under the Influence of 1% cyclopentolate over Time

Time: 0									
Subject	Infinity					1D			
	Tza	Tac	Tl	Tvc		Tza	Tac	Tl	Tvc
2	24.5	4.0	3.2	17.4		24.5	4.0	3.3	17.3
3	22.9	3.7	3.7	15.6		22.9	3.5	3.7	15.6
4	21.7	3.3	3.5	14.9		21.7	3.3	3.5	14.9
5	25.2	3.9	3.0	18.4		25.3	3.7	3.1	18.5
6	26.3	4.0	3.3	19.0		26.3	3.9	3.3	19.1
7	24.1	4.0	3.0	17.2		24.1	3.8	3.1	17.2
8	25.1	4.0	3.3	17.8		25.1	3.9	3.4	17.8
9	23.5	3.9	3.3	16.3		23.5	3.9	3.4	16.3
10	27.1	4.0	3.3	19.8		27.1	3.9	3.4	19.9
11	23.2	3.6	3.7	15.9		23.2	3.5	3.8	15.9
12	26.1	3.7	3.5	18.9		26.2	3.6	3.6	18.9
13	24.8	3.5	3.2	18.1		24.9	3.4	3.3	18.1
14	23.8	4.0	3.3	16.5		23.8	3.8	3.4	16.5
15	23.2	4.0	3.5	15.7		23.2	3.9	3.6	15.7
16	23.9	4.0	3.4	16.5		23.9	4.0	3.5	16.4
Ave.	24.4	3.8	3.3	17.2		24.4	3.7	3.4	17.2

Subject	2D					3D			
	Tza	Tac	Tl	Tvc		Tza	Tac	Tl	Tvc
2	24.5	3.8	3.4	17.3		24.5	3.8	3.5	17.3
3	22.9	3.4	3.8	15.7		22.9	3.3	3.8	15.8
4	21.7	3.2	3.5	15.0		21.7	3.1	3.7	14.9
5	25.3	3.7	3.2	18.4		25.2	3.5	3.4	18.3
6	26.3	3.7	3.3	19.3		26.3	3.7	3.4	19.2
7	24.1	3.7	3.2	17.2		24.1	3.7	3.4	17.1
8	25.1	3.8	3.5	17.8		25.2	3.8	3.6	17.8
9	23.5	3.8	3.5	16.3		23.5	3.7	3.5	16.3
10	27.1	3.8	3.5	19.9		27.1	3.7	3.5	19.9
11	23.2	3.4	3.8	15.9		23.2	3.4	3.9	15.8
12	26.2	3.5	3.7	19.0		26.2	3.5	3.7	19.0
13	24.9	3.3	3.4	18.2		24.9	3.2	3.5	18.2
14	23.8	3.8	3.5	16.5		23.8	3.7	3.6	16.5
15	23.1	3.9	3.6	15.6		23.2	3.8	3.7	15.7
16	23.9	3.8	3.5	16.5		23.9	3.8	3.6	16.4
Ave.	24.4	3.6	3.5	17.2		24.4	3.6	3.6	17.2

Time 15 mins									
Subject	Infinity	T _{ac}	T _l	T _{vc}		1 D	T _{ac}	T _l	T _{vc}
	T _{za}					T _{za}			
2	24.5	3.9	3.3	17.3		24.5	3.8	3.4	17.3
3	22.9	3.7	3.6	15.7		22.9	3.6	3.6	15.6
4	21.7	3.4	3.4	14.9		21.7	3.2	3.5	14.9
5	25.3	3.9	2.9	18.4		25.3	3.8	3.0	18.4
6	26.3	4.0	3.3	19.1		26.3	3.9	3.3	19.1
7	24.1	3.9	3.0	17.2		24.1	3.9	3.1	17.2
8	25.1	4.0	3.3	17.8		25.1	3.9	3.4	17.8
9	23.5	3.9	3.3	16.3		23.5	3.8	3.4	16.3
10	27.1	4.0	3.3	19.8		27.1	3.9	3.4	19.9
11	23.2	3.7	3.6	15.9		23.2	3.6	3.7	15.9
12	26.1	3.7	3.5	18.9		26.1	3.6	3.6	19.0
13	24.9	3.6	3.2	18.0		24.9	3.5	3.3	18.0
14	23.8	3.9	3.3	16.5		23.8	3.8	3.4	16.6
15	23.2	3.9	3.4	15.9		23.1	3.9	3.5	15.7
16	23.9	4.0	3.4	16.5		23.9	3.9	3.5	16.5
Ave	24.4	3.8	3.3	17.2		24.4	3.7	3.4	17.2

Subject	2 D	T _{ac}	T _l	T _{vc}		3 D	T _{ac}	T _l	T _{vc}
	T _{za}					T _{za}			
2	24.5	3.8	3.4	17.3		24.5	3.8	3.4	17.4
3	22.9	3.5	3.7	15.7		22.9	3.5	3.7	15.8
4	21.7	3.2	3.5	15.0		21.7	3.2	3.6	14.9
5	25.2	3.8	3.1	18.4		25.3	3.6	3.2	18.5
6	26.3	3.9	3.4	19.0		26.3	3.9	3.4	19.0
7	24.1	3.8	3.1	17.2		24.1	3.9	3.1	17.2
8	25.1	3.9	3.3	17.9		25.1	3.9	3.3	17.9
9	23.5	3.7	3.4	16.4		23.5	3.7	3.5	16.3
10	27.1	3.8	3.4	19.9		27.1	3.9	3.5	19.8
11	23.2	3.5	3.8	15.9		23.2	3.6	3.8	15.8
12	26.1	3.6	3.6	18.9		26.1	3.6	3.6	18.9
13	24.9	3.3	3.4	18.1		24.9	3.3	3.4	18.1
14	23.8	3.9	3.3	16.5		23.8	3.9	3.4	16.5
15	23.2	3.8	3.6	15.8		23.1	3.8	3.6	15.7
16	23.9	3.9	3.4	16.6		23.9	3.8	3.5	16.6
Ave	24.4	3.7	3.4	17.2		24.4	3.7	3.5	17.2

Time: 25 mins

Subject	Infinity				1 D			
	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc
2	24.5	3.8	3.3	17.4	24.5	3.9	3.3	17.3
3	22.9	3.7	3.5	15.7	22.9	3.6	3.7	15.7
4	21.7	3.4	3.4	14.8	21.7	3.3	3.5	14.9
5	25.2	4.0	3.0	18.3	25.2	3.8	3.1	16.3
6	26.3	4.0	3.3	19.0	26.3	3.9	3.4	19.0
7	24.1	3.9	3.0	17.2	24.1	3.9	3.1	17.2
8	25.1	4.0	3.3	17.8	25.1	3.9	3.4	17.9
9	23.5	4.0	3.3	16.2	23.5	3.9	3.4	16.3
10	27.1	4.0	3.3	19.8	27.1	3.9	3.4	19.9
11	23.2	3.7	3.6	15.9	23.2	3.5	3.7	15.9
12	26.1	3.7	3.5	18.9	26.1	3.6	3.6	18.9
13	24.9	3.6	3.2	18.1	24.9	3.5	3.3	18.1
14	23.8	4.1	3.2	16.5	23.8	3.9	3.4	16.5
15	23.1	4.0	3.4	15.8	23.1	3.9	3.4	15.8
16	23.9	4.0	3.3	16.5	23.9	3.9	3.4	16.6
Ave	24.4	3.8	3.3	17.2	24.4	3.8	3.4	17.2
Subject	2 D				3 D			
	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc
2	24.5	3.9	3.3	17.3	24.6	3.9	3.3	17.4
3	22.9	3.5	3.7	15.7	22.9	3.7	3.5	15.7
4	21.7	3.3	3.5	14.9	21.7	3.3	3.4	14.9
5	25.2	3.8	3.1	18.3	25.2	3.8	3.1	18.4
6	26.3	3.9	3.5	18.9	26.3	4.0	3.3	19.0
7	24.1	4.0	3.0	17.1	24.1	3.9	3.1	17.2
8	25.1	4.0	3.3	17.8	25.1	3.9	3.4	17.8
9	23.5	3.9	3.3	16.3	23.5	3.8	3.4	16.3
10	27.1	3.8	3.3	20.0	27.1	3.9	3.4	19.8
11	23.2	3.5	3.7	16.0	23.2	3.6	3.7	15.9
12	26.2	3.6	3.6	19.0	26.1	3.6	3.6	18.9
13	24.9	3.4	3.3	18.1	24.9	3.5	3.3	18.1
14	23.8	3.9	3.3	16.6	23.8	3.9	3.3	16.6
15	23.1	3.9	3.4	15.8	23.2	3.9	3.4	15.9
16	23.9	3.8	3.4	16.6	23.9	3.9	3.4	16.6
Ave	24.4	3.8	3.4	17.2	24.4	3.8	3.4	17.2

Time 35 mins

Subject	Infinity				1 D			
	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc
2	24.5	3.8	3.3	17.4	24.5	3.8	3.3	17.4
3	22.9	3.7	3.5	15.6	22.9	3.7	3.6	15.7
4	21.7	3.4	3.4	14.8	21.7	3.3	3.5	14.9
5	25.2	3.9	2.9	18.4	25.2	3.8	3.0	18.4
6	26.3	4.0	3.3	19.0	26.3	3.9	3.4	19.0
7	24.1	4.0	3.0	17.2	24.1	3.9	3.0	17.2
8	25.1	4.0	3.3	17.9	25.1	3.9	3.4	17.9
9	23.5	4.0	3.3	16.3	23.5	3.9	3.3	16.3
10	27.1	4.0	3.3	19.8	27.1	3.9	3.3	19.8
11	23.2	3.7	3.6	15.9	23.2	3.7	3.6	15.9
12	26.1	3.7	3.6	18.9	26.1	3.6	3.6	18.9
13	24.9	3.6	3.3	18.0	24.9	3.5	3.3	18.0
14	23.8	4.0	3.2	16.6	23.8	3.9	3.3	16.6
15	23.1	3.9	3.3	15.9	23.1	3.9	3.4	15.8
16	23.9	4.0	3.3	16.6	23.9	3.9	3.4	16.6
Ave	24.4	3.8	3.3	17.2	24.4	3.8	3.4	17.2

Subject	2 D				3 D			
	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc
2	24.6	3.9	3.3	17.4	24.6	3.9	3.3	17.4
3	22.9	3.7	3.5	15.6	22.9	3.7	3.5	15.7
4	21.7	3.4	3.4	14.8	21.7	3.4	3.4	14.9
5	25.2	3.9	3.0	18.3	25.2	3.8	3.1	18.3
6	26.3	3.9	3.5	18.9	26.3	4.0	3.3	19.0
7	24.1	4.0	3.0	17.2	24.1	4.0	3.0	17.1
8	25.1	3.9	3.3	17.9	25.1	3.9	3.3	17.9
9	23.5	3.9	3.4	16.3	23.5	3.9	3.3	16.3
10	27.1	3.9	3.4	19.8	27.1	4.0	3.3	19.8
11	23.2	3.6	3.5	16.0	23.2	3.7	3.6	15.9
12	26.1	3.6	3.6	18.9	26.1	3.6	3.6	18.9
13	24.9	3.5	3.4	18.0	24.8	3.5	3.3	18.0
14	23.8	3.9	3.3	16.6	23.8	3.9	3.3	16.6
15	23.1	3.9	3.4	15.8	23.2	3.9	3.4	15.9
16	23.9	3.9	3.4	16.6	23.9	3.9	3.4	16.6
Ave	24.4	3.8	3.4	17.2	24.4	3.8	3.4	17.2

Time 45 mins

Time 45 mins								
Infinity					1 D			
Subject	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc
2	24.5	3.9	3.3	17.3	24.6	3.9	3.3	17.4
3	22.9	3.7	3.5	15.6	22.9	3.7	3.5	15.6
4	21.7	3.4	3.4	14.9	21.7	3.4	3.5	14.8
5	25.3	3.8	3.0	18.5	25.2	3.9	3.0	18.4
6	26.3	4.0	3.3	19.0	26.3	4.0	3.3	19.1
7	24.1	3.9	3.1	17.2	24.1	4.0	3.0	17.1
8	25.1	4.0	3.3	17.9	25.1	3.9	3.3	17.9
9	23.5	4.0	3.3	16.2	23.5	4.0	3.3	16.2
10	27.1	4.0	3.3	19.8	27.1	3.9	3.4	19.8
11	23.2	3.7	3.6	15.9	23.2	3.6	3.5	16.0
12	26.1	3.7	3.5	18.9	26.1	3.6	3.6	18.9
13	24.9	3.6	3.2	18.0	24.9	3.5	3.3	18.1
14	23.8	4.0	3.3	16.5	23.8	3.9	3.3	16.5
15	23.1	4.0	3.4	15.7	23.1	4.0	3.4	15.7
16	23.9	4.0	3.3	16.5	23.9	3.9	3.3	16.6
Ave	24.4	3.8	3.3	17.2	24.4	3.8	3.3	17.2

2 D					3 D			
Subject	Tza	Tac	Tl	Tvc	Tza	Tac	Tl	Tvc
2	24.5	3.9	3.3	17.4	24.6	3.9	3.3	17.4
3	22.9	3.7	3.5	15.7	22.9	3.7	3.5	15.7
4	21.7	3.4	3.4	14.9	21.7	3.4	3.4	14.8
5	25.3	3.9	3.0	18.4	25.2	3.8	3.0	18.4
6	26.3	4.0	3.3	19.0	26.3	4.0	3.3	19.0
7	24.1	3.9	3.0	17.2	24.1	3.9	3.0	17.2
8	25.1	3.9	3.3	17.9	25.1	4.0	3.3	17.8
9	23.5	3.9	3.3	16.3	23.5	3.9	3.3	16.3
10	27.1	3.9	3.4	19.8	27.1	3.9	3.3	19.8
11	23.2	3.7	3.7	15.8	23.2	3.7	3.6	15.8
12	26.2	3.6	3.6	19.0	26.1	3.6	3.5	19.0
13	24.8	3.6	3.2	18.0	24.8	3.6	3.3	18.0
14	23.8	3.9	3.3	16.6	23.8	4.0	3.3	16.5
15	23.1	4.0	3.4	15.7	23.1	4.0	3.4	15.7
16	23.9	4.0	3.4	16.5	23.9	3.9	3.3	16.6
Ave	24.4	3.8	3.3	17.2	24.4	3.8	3.3	17.2

Time : 60 mins

	</								

[illegible]

Appendix 6 - Exam forms

Informed Consent Form:

Intitulation:

- A. Title of project: A-scan Ultrasound Measurement of Ocular Changes During Accommodation
B. Principal Investigator: Dennis L. Smith, O.D. Phone: 357-8429
C. Advisor: Niles Roth, M.Opt., Ph.D. Phone: 357-6151 ext. 2271
D. Location: Pacific University College of Optometry
Forest Grove, Oregon 97116
E. Date: 01 Jun 86

Description of Project:

This project is designed to determine the magnitude of the changes in the human eye with different accommodative (focusing) stimuli. These measurements will be made with an ultrasound device (A-scan ultrasonic biometer) as you shift your accommodative posture from 6m to 1m, then 50cm, and finally to 33cm. A topical anesthetic (Alcaine) will be instilled, prior to testing, for your comfort, and several readings will be taken at each distance to assure accuracy of measurement.

At the conclusion of these measurements, I will temporarily paralyze your focusing system by instilling a cycloplegic agent (2 drops of 1% Cyclopentolate) into your nonfixating (test) eye, and make timed measurements to ascertain the rate of action of the agent. In this portion of the study, you will fixate the same stimulus targets as before under the noncyclopleged conditions.

At the conclusion of this session (60 mins.) an autorefraction (a computerized visual exam) and a glaucoma check will be provided, and you will be free to leave.

Description of Risks:

Participants in this study may experience corneal abrasion, allergic reaction to the diagnostic agents utilized (Alcaine, Cyclopentolate, and Fluress), and/or reduced depth perception with the monocular cycloplegia. Each of these possible complications clears up without treatment within 24 hours.

Description of Benefits:

This study will serve to increase the basic understanding of how the ocular system responds to various focusing (accommodative) demands. This increased knowledge will serve to better explain the accommodation processes and aid in the development of a unified theory of the accommodation mechanism.

Compensation and Medical Care:

If you are injured in this experiment it is possible that you will not receive compensation of medical care from Pacific University, the experimenter, or any organization associated with the experiment. All responsible care will be used to prevent injury, however.

Alternatives Advantageous to Subjects:

Not applicable.

Offer to Answer Any Inquiries:

The experimenter will be happy to answer any questions that you may have at any time during the course of the study. If you are not satisfied with the answers you receive, please call Dr. James Peterson at 357-0442. During your participation in the project you are not a clinic patient for the purposes of the research, and all questions should be directed to the researcher and/or the faculty advisor who will be solely responsible for any treatment (except for an emergency).

Freedom to Withdraw:

You are free to withdraw your consent and discontinue participation in this project or activity at any time without prejudice to you.

Confidentiality of Records:

All information collected will be treated as confidential. Publication of results will involve only grouped data or individual data in which you are identified only by initials or random code number.

Consent Form:

I have read and understand the above. I am 18 years of age or over.

PRINTED

NAME _____ **AGE** _____

SIGNED _____

DATE _____

ADDRESS _____ **PHONE** _____

CITY _____ **STATE/ZIP** _____

**NAME AND ADDRESS OF A PERSON NOT LIVING WITH YOU WHO WILL ALWAYS
KNOW YOUR ADDRESS:**

Dates of Project:

All collection of data requiring subject participation will occur from
01 Jun to 01 Sep 86.

Name: _____ Age: _____

Address: _____

Phone: _____

What is your impression of your present health? _____

Are you presently, or have you been under the care of a health care provider during the past year? Yes ☐ No ☐

If yes, please explain: _____

Are you presently taking any medicine or drugs? Yes ☐ No ☐

If yes, please list: _____

Are you allergic to any medicine or substances? Yes ☐ No ☐

If yes, please list: _____

Do you have a history of:

	YES	NO		YES	NO
Heart Condition	☐	☐	Diabetes	☐	☐
High Blood Pressure	☐	☐	Glaucoma	☐	☐
Shortness of Breath	☐	☐			

Family Medical History:

	YES	NO	RELATION(S) TO YOU:
Heart Condition	☐	☐	_____
High Blood Pressure	☐	☐	_____
Shortness of Breath	☐	☐	_____
Diabetes	☐	☐	_____
Glaucoma	☐	☐	_____

Do you have any other disease, conditions or problems not listed above that the experimenter should know before proceeding with the investigation? Please explain. _____

Are you pregnant? If "Yes" please circle trimester. 1 2 3

Signature of patient: _____

Date: _____

Signature of experimenter: _____

Patient Name. _____ No. _____

Age. _____

V.A.:

Habitual Rx:

S: Eval. for research project,

O: SLEx:

Ophthal.:

*4:

*7:

*14B:

PRA:

NRA:

A_r/A_{sd} (cm)/Phorias: 1D: _____/_____
2D: _____/_____
3D: _____/_____

Keratometry:

A:

P:

Dennis L. Smith, O.D.

Patient Name: _____ No.: _____

Age: _____ Sex: _____ Phone: _____

Best Rx: _____ VA: _____

Cycloplegic: _____ VA: _____

A_r/A_{sd} (cm)/Phorias: 1 D: _____ / _____ 2 D: _____ / _____ 3 D: _____ / _____

Keratometry: OD _____ OS _____

	Tzo	Toc	TI	Tvc	ΔTzo	ΔToc	ΔTI	ΔTvc
Cyclo								
Ave.								
Infinity								
Ave.								
1D								
Ave.								
2D								
Ave.								
3D								
Ave.								

Patient Name _____

Cycloplegic (Agents and time of instillation) Alcaine gtt @

1% Cyclopentolate gtt @

Cycloplegic recording time (mins) 5 □ 10 □ 15 □ 20 □ 30 □ 40 □ 50 □ 60 □

	Izo	Ioc	II	Ivc	ΔIzo	ΔIoc	ΔII	ΔIvc
Cyclo								
Ave.								
Infinity								
Ave.								
1D								
Ave.								
2D								
Ave.								
3D								
Ave.								

Patient No. 161

Age 20

V.A. 20/15 (05) 20/15 (05)

Habitual Rx. None

S: Eval. for research project, no complaints of headaches, diplopia, asthenopia, or reduced VA at distance or near

O: SLEx. Corneal Cong., Scl., Lids, Lashes, Lenses, Clear AC Deep and quiet
T_{AG}: 12/12 mm Hg

Ophthalm.: CD. 3, AV: $\frac{2}{3}$, ALR: $\frac{1}{3}$, FP +, SVP +, Bcl.: Clear

*4: -0.25 DS OU

*7: pl - 0.25 x 097 20/15
-0.25 DS 20/15

*8: ortho *12: ortho

*14B: +1.00 w. cyl. 20/20
+0.75 DS 20/20

*15B: 6 exo

PRA: -6.00

NRA: +3.00

(LIP 00)

A_r/A_{sd} (cm)/Phorias: 1 D: 97 / ortho
2 D: 44 / 3 exo
3 D: 32 / 7 exo

Keratometry: 40.87 / 40.00 @ 090.00

A: Emmetrope with healthy ocular and visual systems. Good candidate.

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No: 102

Age: 21

VA: 20/25⁺ (OD) 20/50 (OS)

Habitual Rx: -0.87 DS (2 years old)

-0.50 DS

S: Eval. for research project, no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near

O: Sl Ex: Corneal, Conj., Scl., Lids, Lashes, Lenses: Clear AC: Deep and quiet

T_{AB}: 14/15 mm Hg

Ophthalm: CD: 2, AV: $\frac{2}{3}$, ALP: $\frac{1}{2}$, FF: +, SMP: +, Ecl: Clear

*4: -1.50 DS OU

*7: -1.25 - 0.25 x 98° 20/20⁺
-1.50 DS 20/20⁺

*6: ortho

*12: ortho

*14B: pl w. cyl. 20/20

*15B: 9 exo

PRA: -2.75

NPA: +1.75

(CLIF OD)

A_P/A_{SD} (cm)/Phorias: 1 D: 98 / 3 exo

2 D: 50 / 4 exo

3 D: 31 / 9 exo

keratometry: 41.75 / 42.50 @ 90°

A: Low myope with healthy ocular and visual systems. Needs change in Rx.

Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No. 103

Age 24

V.A. 20/15 (OD) 20/15 (OS)

Habituall R_x : None

S: Eval. for research project; no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near

O: SLEx: Cor., Conj., Scl., Lids, Lashes, Lenses: Clear AC: Deep and quiet
T_{AG}: 10/10 mm Hg

Ophthalm: CD: 3, AV: $2/3$, ALP: $1/3$, EP: +, EYP: +, Eot: Clear

*4 - 0.25 DS
pl DS

*7 - 0.25 DS 20/15
pl - 0.25 x 115 20/15

*6 - 2 esp *12 - ortho

*14B: + 0.75 DS 20/20
+ 1.00 w. cyl. 20/20

*15B - 4 esp

PRA: - 4.75

NRA + 2.75

(LIP: OD)

A_r/A_{SD} (cm)/Phorias 1 D: 98 / 1 esp
2 D: 48 / 2 esp
3 D: 30 / 7 esp

Keratometry 42.50 / 43.00 DU

A: Emmetrope with healthy ocular and visual systems. Good candidate.

P: Accept as subject for project.

Dennis L. Smith, D.O.

Patient No. 104

Age 20

V.A. 20/20 (OD) 20/20 (OS)

Habitual Rx: None

S: Eval. for research project. no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near

O: SLEx: Cor., Scl., Lids., Lashes, Lenses: Clear, Conj. trace follicles, Ob.,
AC: Deep and quiet T_{AG}: 15/14 mm Hg

Ophthal.: CD: 25, AV: $2/3$, ALR: $1/3$, FR: +, SVP: +, Bcl.: Clear

*4: + 0.25 - 0.50 x 180
+ 0.25 - 0.50 x 180

*7: + 0.25 DS 20/20 *8: 1 exo *12: ortho
pl - 0.25 x 180 20/20

*14B: + 0.50 DS 20/20 *15B: 8 exo
+ 0.25 w. cy 20/20

PRA: - 4.25 NRA: + 2.75 (LIP OD)

A_r/A_{sd} (cm)/Phorias: 1 D: 92 / 4 exo
2 D: 47 / 6 exo
3 D: 29 / 12 exo

Keratometry: 43.50 / 44.75 @ 090
43.75 / 44.75 @ 090

A: Emmetrope with healthy ocular and visual system: Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No. 105

Age 26

V.A. 20/25 (OD) 20/25 (OS)

Habitual Rx - 3.25 - 0.75 x 177

- 3.25 - 0.50 x 175

S: Eval. for research project, no complaints of headaches, asthenopia,
diplopia, or reduced VA at distance or near

O: SLEK, Cor., Conj., Scl., Lids, Lashes, Lenses Clear AC Deep and quiet
T_{AG} 12/13 mm Hg

Ophthal CD 4, Ax $\frac{2}{3}$, ALP $\frac{1}{2}$, PP +, EMP +, Scl. Clear

*4 - 3.75 - 1.00 x 180

- 3.75 - 1.00 x 180

*7 - 4.00 - 1.00 x 007 20/20

- 3.75 - 1.00 x 007 20/20

*8 ortho

*12 1° OS hyper

*14B - 3.75 w cyl 20/20

- 3.50 w cyl 20/20

*15B 6 exo

RPA - 9.00

NPA - 0.75

(LIP 00)

A_r/A_{sd} (cm)/Phorias 1.0 - 2.0 - 7.5 x

2.0 - 3.0 - 15.0 x

3.0 - 3.0 - 15.0 x

Keratometry 42.25 / 43.50 @ 90°

A: Myopic, WTR astigmat with healthy ocular and visual systems. Good
candidate

P: Accepted as subject for project

Dennis L. Smith, D.O.

Patient No: 106

Age 21

V.A. 20/40 (OD) 20/40 (OS)

Habitual Rx - 4.75 DS OU

S: Eval. for research project, no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near

O: SLEx: Cor, Conj, Scl, Lids, Lashes, Lenses: Clear AC Deep and quiet
T_{AG}: 16/16 mm Hg

Ophthal.: CD: 3, AV: $\frac{2}{3}$, ALR: $\frac{1}{3}$, FR +, SVP: +, Bck: Clear

*4. - 5.00 DS OU

*7. - 5.25 DS OU 20/20

*8. 2 eso

*12. ortho

*14B. - 3.75 DS OU 20/20

*15B. 6 exo

PRA: - 9.75

NPA: - 2.00

(LIP OD)

A_r/A_{sd} (cm)/Phorias: 1 D 96 / 4 exo

2 D 46 / 6 eso

3 D 31 / 7 eso

Keratometry: 41.50 / 42.00 @ 090

A: High myope with healthy ocular and visual systems. Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No. 107

Age 16

V.A. 20/20 (OD) 20/20 (OS)

Habitual P_{ex} None

S: Eval. for research project. no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near

O: SLEx: Corn., Conj., Scl., Lids, Lashes, Lenses Clear AC Deep and quiet
T_{AG} 13/12 mm Hg

Ophthal CD 2, AM $\frac{2}{3}$, ALP $\frac{1}{3}$, EP +, SVP +, Ecl. Clear

*4 +0.50 -0.25 x 180 OD

*7 pl -0.25 x 180 20/20
pl OS 20/20

*6 ortho *12 ortho

*14B +1.50 w cyl 20/20
+1.50 DS 20/20

*15B 7 ero

FRA -1.75

NRA +3.00

CLIF 000

A_P/A_{SD} (cm)/Phi mas 1 D 90 x 2 e.s.
2 D 45 x 4 e.s.
3 D 30 x 6 e.s.

Keratometry 41.75 / 42.50 @ 180°

A: Emmetrope with healthy ocular and visual systems. Good candidate

P: Accepted as subject for project

Dennis L. Smith, O.D.

Patient No. 108

Age 19

V.A. 20/20 (OD) 20/20 (OS)

Habitusl R_x - 5.00 - 0.75 x 173 / + 1.25 ST - 28

- 5.00 - 1.00 x 010 / + 1.25 ST - 28

S: Eval. for research project, no complaints of reduced VA at distance or near. Occasional diplopia, and headache with fatigue

O: SLEx, Corneal Cong., Scl. Lids, Lashes, Lenses Clear AC Deep and quiet

T_{AG} 9/10 mm Hg

Ophthal CD 25, AV $2/3$, ALP $1/3$, EP +, SVP +, Bck. Clear

#1 - 4.50 - 0.50 x 180 OU

#7 - 4.75 - 0.50 x 175 20/15

- 4.75 - 0.75 x 015 20/15

#8 - 3 exo

#12 ortho

#14B - 3.75 w. cyl OU 20/20

#15B - 9 exo

PRA - 14.00

NPA - 1.50

(LIP 00)

A_P/A_{SD} (cm)/Phorias 1 D 98 / 4 exo

2 D 46 / 5 exo

3 D 32 / 6 exo

keratometry 43.75 / 45.00 @ 090 OU

A. Mod. myopic, WTP astigmat with healthy ocular and visual systems
Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No: 109

Age: 25

V.A.: 20/20 (OD) 20/20 (OS)

Habitual Rx: - 3.00 - 0.50 x 125 (2 years old)

- 3.00 - 0.50 x 043

S: Eval. for research project. no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near.

O: SLEx: Corneal, Conj., Scl., Lids, Lashes, Lenses: Clear. AC: Deep and quiet

T_{AG}: 13/14 mm Hg

Ophthalm.: OD: 25, AV: $\frac{2}{3}$, ALP: $\frac{1}{3}$, FF: +, SVP: +, Bck: Clear

*4: - 2.50 - 0.25 x 145

- 2.50 - 0.25 x 030

*7: - 2.75 - 0.25 x 145 20/20

- 2.75 - 0.25 x 030 20/20

*8: ortho

*12: ortho

*14B: - 1.75 w. cyl. OU 20/20

*15B: ortho

PPA: - 10.25

NPA: + 0.75

(LIP OD)

A_r/A_{sd} (cm)/Phorias: 1 D: 98 / ortho

2 D: 50 / 2 exo

3 D: 33 / 6 exo

Keratometry: 45.62 / 47.00 @ 090 OU

A: Myope with healthy ocular and visual systems. Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No.: 110

Age: 31

V.A.: 20/15 (OD) 20/15 (OS)

Habitual Rx: - 4.25 - 0.37 x 074

- 5.00 - 0.25 x 036

S: Eval. for research project, no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near.

O: SLEx: Corneal, Conj., Scl., Lids, Lashes, Lenses: Clear. AC: Deep and quiet

T_{AG}: 15/14 mm Hg

Ophthalm.: CD: 4, AV: $\frac{2}{3}$, ALP: $\frac{1}{3}$, FR: +, SVP: +, Bck.: Myopic crescents

*4: - 4.00 - 0.75 x 085

- 5.00 - 0.25 x 030

*7: - 4.00 - 0.50 x 085 20/15

- 5.00 DS 20/15

*8: 1 exo

*12: ortho

*14B: - 3.00 w. cyl. 20/20

- 4.00 w. cyl. 20/20

*15B: 6 exo

PRA: - 9.00

NPA: - 1.00

(LIP 00)

A_P/A_{SD} (cm)/Phorias: 1 D: 97 / 2 eso

2 D: 47 / 6 eso

3 D: 33 / 10 eso

Keratometry: 42.12 / 42.87 @ 090 00

A: Myopic ATR astigmat with healthy ocular and visual systems. Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No: 111

Age: 31

V.A.: 20/15 (OD) 20/15 (OS)

Habitual P_{K} : +0.75 DS OU for Near

S: Eval. for research project: no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near

O: SLEx: Corneal, Conj., Scl., Lids, Lashes, Lenses: Clear AC: Deep and quiet
 T_{AG} : 12/12 mm Hg

Ophthal: CD: 5, AV: $2/3$, ALP: $1/3$, FR: +, SVP: +, Bcl: Clear

*4: +0.50 - 0.25 x 180 OU

*7: pl DS OU 20/15 OU

*8: 2 exo *12: ortho

*14B: +1.00 DS OU 20/20

*15B: ortho

PRA: -3.25

NRA: +2.00

(LIP: OD)

A_r/A_{sd} (cm)/Phorias: 1 D: 96 / ortho

2 D: 45 / 2 exo

3 D: 30 / 6 exo

Keratometry: 44.50 DS OU

A: Emmetrope with healthy ocular and visual systems: Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No. 112

Age 29

V.A. 20/20 (OD) 20/25 (OS)

Habitual Rx - 6.50 DS OU

S: Eval. for research project. no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near.

O: SLEH, Conn. Cong. Scd. Lidg.ashes. Lenses Clear. AC Deep and quiet
T_{AG} 12/11 mm Hg

Ophthal. OD 3/4 AV 2/3 ALF 1/2 PR + CVP + Bcl. Clear

#4 - 6.25 DS
- 6.50 - 0.25 x 0.35

#7 - 6.00 - 0.25 x 0.35 20/20
- 6.75 - 0.50 x 0.35 20/20

#8 3 eso #12 ortho

#14B - 5.00 w cyl 20/20
- 5.75 w cyl 20/20

#15B 3 eso

RFA - 10.75

NFA - 2.75

CLIP 000

A_r/A_{sd} (cm)/Phorias 1.0 95 / 6 eso
2.0 46 / 5 eso
3.0 33 / 1 eso

Keratometry 44.37 / 44.25 @ 086
44.75 / 44.87 @ 107

A: High myope with healthy ocular and visual systems. Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No. 113

Age 24

VA 20/15 (OD) 20/15 (OS)

Habitual Rx - 1.25 - 0.50 x 180

- 3.00 - 0.25 x 180

S: Eval. for research project, no complaints of headaches, asthenopia,
diplopia, or reduced VA at distance or near

O: SLEx: Corn. Conj., Scl., Lids, Lashes, Lenses: Clear AC: Deep and quiet
T_{AG}: 14/15 mm Hg

Ophthal: CD: 7/25, AV: $2\frac{1}{3}$, ALP: $1\frac{1}{3}$, FP: +, SVP: +, Bck: Clear

#4 - 1.50 - 0.75 x 180
- 3.00 - 0.25 x 180

#7 - 1.75 - 0.50 x 175 20/15
- 3.25 DS 20/15

#8 1 eso #12 ortho

#14B - 1.75 w cyl 20/20
- 3.25 DS 20/20

#15B 2 exo

RPA - 6.00

NPA - 0.50

(LIE 00)

A₇/A₅₀ (cm)/Phorias 1 D 98 / ortho
2 D 48 / 3 exo
3 D 33 / 6 exo

Peratometry 42.77 / 44.00 @ 090
42.75 / 44.00 @ 090

A: Myope with healthy ocular and visual system. Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No: 114

Age: 24

V.A.: 20/20 (OD) 20/20 (OS)

Habitual Rx: - 1.75 - 0.50 x 118

- 1.75 DS

S: Eval. for research project, no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near

O: SLEx: Cor., Conj., Scl., Lids, Lashes, Lenses: Clear. AD: Deep and quiet

T_{AG}: 13/13 mm Hg

Ophthalm.: CD: 35, AV: $2/3$, ALR: $1/3$, FR: +, SVP: +, Bck.: Clear

*4: - 2.00 - 0.50 x 095

- 1.50 DS

*7: - 1.75 - 0.75 x 087 20/20

- 1.75 DS 20/20

*8: 2 exo *12: ortho

*14B: - 0.75 w. cyl. 20/20

- 0.75 DS 20/20

*15B: 6 exo

PRA: - 4.75

NRA: + 1.25

(LIP: 00)

A_r/A_{sd} (cm)/Phorias 1 D 96 / 6 exo

2 D 47 / 7 exo

3 D 33 / 7 exo

Keratometry 44.00 / 43.75 @ 090 DU

A: Myope with healthy ocular and visual systems. Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Patient No.: 115

Age: 30

V.A: 20/20 (OD) 20/20 (OS)

Habitual R_x: - 0.25 - 1.00 x 090

- 0.75 - 0.75 x 090

S: Eval. for research project, no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near.

O: SLEx: Cor., Conj., Scl., Lids, Lashes, Lenses: Clear AD: Deep and quiet

T_{AG}: 12/13 mm Hg

Ophthalm.: CD: 3, AV: $\frac{2}{3}$, ALR: $\frac{1}{3}$, FR: +, SVP: +, Bck.: Clear

*4: + 0.25 - 1.00 x 090

pl - 0.75 x 090

*7: pl - 1.00 x 096 20/20

- 0.25 - 0.75 x 084 20/20

*8: 1 eso

*12: ortho

*14B: + 1.00 w. cyl. 20/20

+ 0.75 w. cyl. 20/20

*15B: 3 exo

PRA: - 1.50

NRA: + 3.00

(LIP 00)

A_r/A_{sd} (cm)/Phorias 1 D. 96 / 2 eso

2 D. 46 / 3 eso

3 D. 33 / 5 eso

Keratometry 44.75 / 43.75 @ 090 00

A. ATP astigmat with healthy ocular and visual systems. Good candidate

P. Accept as subject for project

Thomas L. Smith, O.D.

Patient No: 116

Age: 30

V.A.: 20/20 (OD) 20/20 (OS)

Habitual Rx: None

S: Eval. for research project; no complaints of headaches, asthenopia, diplopia, or reduced VA at distance or near. OD floater.

O: SLEx: Cor., Conj., Scl., Lids, Lashes, Lenses. Clear. AC: Deep and quiet

T_{AG}: 17/17 mm Hg

Ophthal.: CD: 2, AV: $\frac{2}{3}$, ALR: $\frac{1}{3}$, FR: +, SVP: +, Bck: Clear

*4: - 0.25 DS

- 0.50 DS

*7: pl - 0.25 x 090 20/20

- 0.25 - 0.25 x 075 20/20

*8: 2 exo

*12: ortho

*14B: + 0.50 w. cyl. 20/20

+ 0.25 w. cyl. 20/20

*15B: 6 exo

PRA: - 4.75

NRA: + 3.00

(LIP OD)

A_r/A_{sd} (cm)/Phorias: 1 D: 98 / 2 exo

2 D: 49 / 5 exo

3 D: 33 / 7 exo

Keratometry: 43.50 / 43.75 @ 090 DU

A: Emmetrope with healthy ocular and visual systems. Good candidate

P: Accept as subject for project

Dennis L. Smith, O.D.

Appendix 7 - Data

Time Key

<u>Test</u>	<u>Time</u> (from instillation of 2 gtt. 1% cycloplentolate)
A	Noncycloplegic Conditions
B	5 minutes
C	15 minutes
D	25 minutes
E	35 minutes
F	45 minutes
G	60 minutes

101 - A									
	Tza	Ta	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc	
Cycle	23.7	3.3	3.5	16.9					
	23.7	3.4	3.4	16.9					
	23.7	3.3	3.5	16.9					
Average	23.7	3.3	3.5	16.9					
Infinity	23.7	3.4	3.4	16.9	0.0	-0.1	0.1	0.0	
	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1	
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0	
Average	23.7	3.4	3.5	16.9	0.0	0.0	0.0	0.0	
10	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1	
	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1	
	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1	
Average	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1	
20	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1	
	23.7	3.2	3.7	16.8	0.0	0.1	-0.2	0.1	
	23.8	3.3	3.6	16.9	0.0	0.0	-0.1	0.1	
Average	23.7	3.3	3.6	16.8	0.0	0.1	-0.2	0.1	
30	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0	
	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0	
	23.7	3.2	3.7	16.8	0.0	0.1	-0.2	0.1	
Average	23.7	3.2	3.6	16.9	0.0	0.1	-0.2	0.0	

NO-A106 818 A-SCAN ULTRASOUND MEASUREMENT OF OCULAR CHANGES DURING

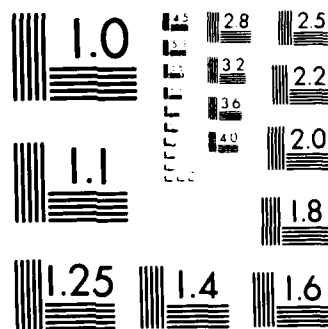


WRIGHT-PATTERSON AFB OH D L SMITH APR 87

AFIT/CI/NR-87-42T

NL

[illegible]



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

			101 -C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.7	3.3	3.5	16.9				
	23.7	3.4	3.4	16.9				
	23.7	3.3	3.5	16.9				
Average	23.7	3.3	3.5	16.9				
Infinity	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.4	3.4	16.9	0.0	-0.1	0.1	0.0
Average	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
1D	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
Average	23.7	3.3	3.6	16.9	0.0	0.1	-0.1	0.0
2D	23.7	3.2	3.5	17.0	0.0	0.1	0.0	-0.1
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
Average	23.7	3.2	3.5	16.9	0.0	0.1	-0.1	0.0
3D	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
Average	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0

			101 - B					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.7	3.3	3.5	16.9				
	23.7	3.4	3.4	16.9				
	23.7	3.3	3.5	16.9				
Average	23.7	3.3	3.5	16.9				
Infinity	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.4	3.5	16.8	0.1	-0.1	0.0	0.2
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
Average	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.1
1D	23.7	3.4	3.6	16.7	0.0	-0.1	-0.1	0.2
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
Average	23.7	3.3	3.5	16.8	0.0	0.0	-0.1	0.1
2D	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
Average	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
3D	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
Average	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0

			101 - D					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.7	3.3	3.5	16.9				
	23.7	3.4	3.4	16.9				
	23.7	3.3	3.5	16.9				
Average	23.7	3.3	3.5	16.9				
Infinity	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
	23.7	3.4	3.4	16.9	0.0	-0.1	0.1	0.0
	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
Average	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
1D	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.4	3.6	16.7	0.0	-0.1	-0.1	0.2
	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
Average	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
2D	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.4	3.6	16.7	0.0	-0.1	-0.1	0.2
	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
Average	23.7	3.4	3.5	16.8	0.0	0.0	-0.1	0.1
3D	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
Average	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0

	101 - F							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.7	3.3	3.5	16.9				
	23.7	3.4	3.4	16.9				
	23.7	3.3	3.5	16.9				
Average	23.7	3.3	3.5	16.9				
Infinity	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.4	3.4	16.9	0.0	-0.1	0.1	0.0
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
Average	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
1D	23.7	3.3	3.4	17.0	0.0	0.0	0.1	-0.1
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
Average	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
2D	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
	23.7	3.3	3.4	17.0	0.0	0.0	0.1	-0.1
	23.7	3.3	3.4	17.0	0.0	0.0	0.1	-0.1
Average	23.7	3.3	3.4	16.9	0.0	0.0	0.0	0.0
3D	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
	23.7	3.3	3.4	17.0	0.0	0.0	0.1	-0.1
	23.7	3.3	3.4	17.0	0.0	0.0	0.1	-0.1
Average	23.7	3.3	3.4	16.9	0.0	0.0	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
101-A	Infinity	23.7	3.4	3.5	16.9	0.0	0.0	0.0	0.0
	1D	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
	2D	23.7	3.3	3.6	16.8	0.0	0.1	-0.2	0.1
	3D	23.7	3.2	3.6	16.9	0.0	0.1	-0.2	0.0
101-B	Infinity	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.1
	1D	23.7	3.3	3.5	16.8	0.0	0.0	-0.1	0.1
	2D	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
	3D	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
101-C	Infinity	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	1D	23.7	3.3	3.6	16.9	0.0	0.1	-0.1	0.0
	2D	23.7	3.2	3.5	16.9	0.0	0.1	-0.1	0.0
	3D	23.7	3.2	3.6	16.9	0.0	0.1	-0.1	0.0
101-D	Infinity	23.7	3.4	3.5	16.8	0.0	-0.1	0.0	0.1
	1D	23.7	3.3	3.6	16.8	0.0	0.0	-0.1	0.1
	2D	23.7	3.4	3.5	16.8	0.0	0.0	-0.1	0.1
	3D	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
101-F	Infinity	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	1D	23.7	3.3	3.5	16.9	0.0	0.0	0.0	0.0
	2D	23.7	3.3	3.4	16.9	0.0	0.0	0.0	0.0
	3D	23.7	3.3	3.4	16.9	0.0	0.0	0.0	0.0

	102 - A							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
Average	24.6	3.9	3.3	17.4				
Infinity	24.5	4.0	3.2	17.3	0.0	-0.1	0.1	0.0
	24.5	4.0	3.2	17.3	0.0	-0.1	0.1	0.0
	24.5	4.0	3.1	17.4	0.0	-0.1	0.2	-0.1
Average	24.5	4.0	3.2	17.4	0.0	-0.1	0.1	0.0
1D	24.5	3.9	3.4	17.2	0.0	0.0	-0.1	0.1
	24.5	4.0	3.2	17.3	0.0	-0.1	0.1	0.0
	24.5	4.0	3.3	17.2	0.0	-0.1	0.0	0.1
Average	24.5	4.0	3.3	17.3	0.0	-0.1	0.0	0.1
2D	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
Average	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
3D	24.5	3.8	3.5	17.2	0.0	0.1	-0.2	0.1
	24.5	3.7	3.4	17.4	0.0	0.2	-0.1	-0.1
	24.5	3.8	3.5	17.2	0.0	0.1	-0.2	0.1
Average	24.5	3.8	3.5	17.3	0.0	0.1	-0.2	0.0

	102 - B							
	Tza	Tac	TI	Tvc	ΔTza	ΔTac	ΔTI	ΔTvc
Cyclo	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
Average	24.6	3.9	3.3	17.4				
Infinity	24.5	4.0	3.2	17.3	0.0	-0.1	0.1	0.0
	24.5	4.0	3.2	17.3	0.1	-0.1	0.1	0.1
	24.5	4.0	3.2	17.3	0.1	-0.1	0.1	0.1
Average	24.5	4.0	3.2	17.3	0.1	-0.1	0.1	0.1
1D	24.5	4.0	3.1	17.4	0.0	-0.1	0.2	-0.1
	24.5	4.0	3.1	17.4	0.1	-0.1	0.2	-0.1
	24.5	4.1	3.2	17.2	0.0	-0.2	0.1	0.1
Average	24.5	4.0	3.1	17.3	0.0	-0.1	0.2	0.0
2D	24.5	3.9	3.2	17.4	0.0	0.0	0.1	-0.1
	24.5	3.8	3.3	17.4	0.1	0.1	0.0	-0.1
	24.5	3.9	3.2	17.4	0.0	0.0	0.1	-0.1
Average	24.5	3.9	3.2	17.4	0.0	0.0	0.1	-0.1
3D	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
Average	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1

			102 - C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
Average	24.6	3.9	3.3	17.4				
Infinity	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
Average	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
1D	24.6	3.8	3.4	17.4	0.0	0.1	-0.1	0.0
	24.5	3.9	3.4	17.2	0.0	0.0	-0.1	0.1
	24.6	3.8	3.4	17.4	0.0	0.1	-0.1	0.0
Average	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
2D	24.6	3.8	3.4	17.4	0.0	0.1	-0.1	0.0
	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
Average	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
3D	24.6	3.8	3.3	17.5	0.0	0.1	0.0	-0.1
	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	24.6	3.8	3.4	17.4	0.0	0.1	-0.1	0.0
Average	24.5	3.8	3.4	17.4	0.0	0.1	-0.1	0.0

	102 - D							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cycle	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
Average	24.6	3.9	3.3	17.4				
Infinity	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
	24.6	3.8	3.3	17.5	0.0	0.1	0.0	-0.1
	24.5	3.9	3.4	17.2	0.0	0.0	-0.1	0.1
Average	24.5	3.8	3.3	17.4	0.0	0.1	0.0	0.0
1D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
Average	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
2D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
Average	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
3D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0

			102 - E					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
Average	24.6	3.9	3.3	17.4				
Infinity	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
	24.6	3.8	3.3	17.5	0.0	0.1	0.0	-0.1
	24.6	3.9	3.4	17.3	0.0	0.0	-0.1	0.1
Average	24.5	3.8	3.3	17.4	0.0	0.1	0.0	0.0
1D	24.6	3.8	3.3	17.5	0.0	0.1	0.0	-0.1
	24.6	3.9	3.4	17.3	0.0	0.0	-0.1	0.1
	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
Average	24.5	3.8	3.3	17.4	0.0	0.1	0.0	0.0
2D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
Average	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
3D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0

	102 - F							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
Average	24.6	3.9	3.3	17.4				
Infinity	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	24.6	3.9	3.4	17.3	0.0	0.0	-0.1	0.1
	24.6	3.8	3.3	17.5	0.0	0.1	0.0	-0.1
Average	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
1D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.8	3.3	17.5	0.0	0.1	0.0	-0.1
	24.6	3.9	3.4	17.3	0.0	0.0	-0.1	0.1
Average	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
2D	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.5	3.9	3.3	17.4	0.0	0.0	0.0	0.0
3D	24.6	3.8	3.4	17.4	0.0	0.1	-0.1	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0

	102 - G							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
	24.6	3.9	3.3	17.4				
Average	24.6	3.9	3.3	17.4				
Infinity	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
1D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
2D	24.6	4.0	3.3	17.3	0.0	-0.1	0.0	0.1
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.6	3.9	3.3	17.3	0.0	0.0	0.0	0.0
3D	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
	24.6	3.9	3.4	17.3	0.0	0.0	-0.1	0.1
	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
Average	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
102-A	Infinity	24.5	4.0	3.2	17.4	0.0	-0.1	0.1	0.0
	1D	24.5	4.0	3.3	17.3	0.0	-0.1	0.0	0.1
	2D	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	3D	24.5	3.8	3.5	17.3	0.0	0.1	-0.2	0.0
102-B	Infinity	24.5	4.0	3.2	17.3	0.1	-0.1	0.1	0.1
	1D	24.5	4.0	3.1	17.3	0.0	-0.1	0.2	0.0
	2D	24.5	3.9	3.2	17.4	0.0	0.0	0.1	-0.1
	3D	24.5	3.8	3.3	17.4	0.0	0.1	0.0	-0.1
102-C	Infinity	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	1D	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	2D	24.5	3.8	3.4	17.3	0.0	0.1	-0.1	0.0
	3D	24.5	3.8	3.4	17.4	0.0	0.1	-0.1	0.0
102-D	Infinity	24.5	3.8	3.3	17.4	0.0	0.1	0.0	0.0
	1D	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	2D	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	3D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
102-E	Infinity	24.5	3.8	3.3	17.4	0.0	0.1	0.0	0.0
	1D	24.5	3.8	3.3	17.4	0.0	0.1	0.0	0.0
	2D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	3D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
102-F	Infinity	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	1D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	2D	24.5	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	3D	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
102-G	Infinity	24.6	3.9	3.3	17.4	0.0	0.0	0.0	0.0
	1D	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	2D	24.6	3.9	3.3	17.3	0.0	0.0	0.0	0.0
	3D	24.5	3.9	3.3	17.3	0.0	0.0	0.0	0.0

103 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	22.9	3.8	3.5	15.6				
	22.9	3.8	3.5	15.6				
	22.9	3.7	3.5	15.7				
Average	22.9	3.8	3.5	15.6				
Infinity	22.9	3.7	3.7	15.5	0.0	0.1	-0.2	0.1
	22.9	3.6	3.7	15.6	0.0	0.2	-0.2	0.0
	22.9	3.7	3.6	15.6	0.0	0.1	-0.1	0.0
Average	22.9	3.7	3.7	15.6	0.0	0.1	-0.2	0.0
10	22.9	3.6	3.7	15.6	0.0	0.2	-0.2	0.0
	22.9	3.5	3.8	15.6	0.0	0.3	-0.3	0.0
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
Average	22.9	3.5	3.7	15.6	0.0	0.2	-0.2	0.0
20	22.9	3.4	3.8	15.7	0.0	0.4	-0.3	-0.1
	22.9	3.4	3.8	15.7	0.0	0.4	-0.3	-0.1
	22.9	3.4	3.7	15.8	0.0	0.4	-0.2	-0.2
Average	22.9	3.4	3.8	15.7	0.0	0.4	-0.3	-0.1
30	22.9	3.4	3.8	15.7	0.0	0.4	-0.3	-0.1
	22.9	3.3	3.8	15.8	0.0	0.5	-0.3	-0.2
	22.9	3.3	3.8	15.8	0.0	0.5	-0.3	-0.2
Average	22.9	3.3	3.8	15.8	0.0	0.4	-0.3	-0.2

103 - E								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	22.9	3.8	3.5	15.6				
	22.9	3.8	3.5	15.6				
	22.9	3.7	3.5	15.7				
Average	22.9	3.8	3.5	15.6				
Infinity	22.9	3.6	3.5	15.8	0.0	0.2	0.0	-0.2
	22.9	3.7	3.6	15.6	0.0	0.1	-0.1	0.0
	22.9	3.7	3.7	15.5	0.0	0.1	-0.2	0.1
Average	22.9	3.7	3.6	15.6	0.0	0.1	-0.1	0.0
1D	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	0.0
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
Average	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
2D	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
	22.9	3.5	3.8	15.6	0.0	0.3	-0.3	0.0
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
Average	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	0.0
3D	22.9	3.4	3.8	15.7	0.0	0.4	-0.3	-0.1
	22.9	3.5	3.8	15.6	0.0	0.3	-0.3	0.0
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
Average	22.9	3.5	3.8	15.7	0.0	0.3	-0.3	0.0

	103 - C							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	22.9	3.8	3.5	15.6				
	22.9	3.8	3.5	15.6				
	22.9	3.7	3.5	15.7				
Average	22.9	3.8	3.5	15.6				
Infinity	22.9	3.7	3.6	15.6	0.0	0.1	-0.1	0.0
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.6	3.6	15.7	0.0	0.2	-0.1	-0.1
Average	22.9	3.7	3.6	15.7	0.0	0.1	-0.1	0.0
1D	22.9	3.6	3.6	15.7	0.0	0.2	-0.1	-0.1
	22.9	3.7	3.7	15.5	0.0	0.1	-0.2	0.1
	22.9	3.6	3.6	15.7	0.0	0.2	-0.1	-0.1
Average	22.9	3.6	3.6	15.6	0.0	0.1	-0.1	0.0
2D	22.9	3.5	3.8	15.6	0.0	0.3	-0.3	0.0
	22.9	3.4	3.7	15.8	0.0	0.4	-0.2	-0.2
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
Average	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
3D	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
	22.9	3.5	3.6	15.8	0.0	0.3	-0.1	-0.2
	22.9	3.4	3.7	15.8	0.0	0.4	-0.2	-0.2
Average	22.9	3.5	3.7	15.8	0.0	0.3	-0.2	-0.1

			103 - D					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	22.9	3.8	3.5	15.6				
	22.9	3.8	3.5	15.6				
	22.9	3.7	3.5	15.7				
Average	22.9	3.8	3.5	15.6				
Infinity	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.6	3.5	15.8	0.0	0.2	0.0	-0.2
Average	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
1D	22.9	3.6	3.6	15.7	0.0	0.2	-0.1	-0.1
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
	22.9	3.6	3.7	15.6	0.0	0.2	-0.2	0.0
Average	22.9	3.6	3.7	15.7	0.0	0.2	-0.2	0.0
2D	22.9	3.6	3.6	15.7	0.0	0.2	-0.1	-0.1
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
Average	22.9	3.5	3.7	15.7	0.0	0.2	-0.2	-0.1
3D	22.9	3.6	3.6	15.7	0.0	0.2	-0.1	-0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
Average	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1

			103 - E					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	22.9	3.8	3.5	15.6				
	22.9	3.8	3.5	15.6				
	22.9	3.7	3.5	15.7				
Average	22.9	3.8	3.5	15.6				
Infinity	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.8	3.6	15.5	0.0	0.0	-0.1	0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
Average	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
1D	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.6	3.6	15.7	0.0	0.2	-0.1	-0.1
	22.9	2.7	2.4	15.4	0.0	0.1	-0.1	0.0
Average	22.9	3.7	3.6	15.7	0.0	0.1	-0.1	0.0
2D	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.7	3.6	15.6	0.0	0.1	-0.1	0.0
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
Average	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
3D	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.8	3.6	15.5	0.0	0.0	-0.1	0.1
	22.9	3.6	3.5	15.8	0.0	0.2	0.0	-0.2
Average	22.9	3.7	3.5	15.7	0.0	0.1	0.0	0.0

		Averages							
		T _{za}	T _{zc}	T _I	T _{yc}	ΔT _{za}	ΔT _{zc}	ΔT _I	ΔT _{yc}
103-A	Infinity	22.9	3.7	3.7	15.6	0.0	0.1	-0.2	0.0
	1D	22.9	3.5	3.7	15.6	0.0	0.2	-0.2	0.0
	2D	22.9	3.4	3.8	15.7	0.0	0.4	-0.3	-0.1
	3D	22.9	3.3	3.8	15.8	0.0	0.4	-0.3	-0.2
103-B	Infinity	22.9	3.7	3.6	15.6	0.0	0.1	-0.1	0.0
	1D	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
	2D	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	0.0
	3D	22.9	3.5	3.8	15.7	0.0	0.3	-0.3	0.0
103-C	Infinity	22.9	3.7	3.6	15.7	0.0	0.1	-0.1	0.0
	1D	22.9	3.6	3.6	15.6	0.0	0.1	-0.1	0.0
	2D	22.9	3.5	3.7	15.7	0.0	0.3	-0.2	-0.1
	3D	22.9	3.5	3.7	15.8	0.0	0.3	-0.2	-0.1
103-D	Infinity	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	1D	22.9	3.6	3.7	15.7	0.0	0.2	-0.2	0.0
	2D	22.9	3.5	3.7	15.7	0.0	0.2	-0.2	-0.1
	3D	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
103-E	Infinity	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
	1D	22.9	3.7	3.6	15.7	0.0	0.1	-0.1	0.0
	2D	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
	3D	22.9	3.7	3.5	15.7	0.0	0.1	0.0	0.0
103-F	Infinity	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
	1D	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
	2D	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	3D	22.9	3.7	3.5	15.7	0.0	0.0	0.0	0.0
103-G	Infinity	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	1D	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	2D	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.1
	3D	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0

104 - A								
	Tza	Tac	Tl	Tvc	ΔT_{za}	ΔT_{ac}	ΔT_l	ΔT_{vc}
Cyclo	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
Average	21.7	3.4	3.4	14.9				
Infinity	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	21.7	3.3	3.4	15.0	0.0	0.1	0.0	-0.1
	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
Average	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
1D	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	21.7	3.3	3.6	14.8	0.0	0.1	-0.2	0.1
Average	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
2D	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	0.0
	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
	21.7	3.1	3.5	15.1	0.0	0.3	-0.1	-0.2
Average	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
3D	21.7	3.1	3.7	14.9	-0.1	0.3	-0.3	-0.1
	21.7	3.1	3.6	15.0	-0.1	0.3	-0.2	-0.2
	21.7	3.1	3.7	14.9	0.0	0.3	-0.3	0.0
Average	21.7	3.1	3.7	14.9	0.0	0.3	-0.3	-0.1

104 - B								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
Average	21.7	3.4	3.4	14.9				
Infinity	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
	21.7	3.3	3.4	15.0	0.0	0.1	0.0	-0.1
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
1D	21.7	3.3	3.6	14.8	0.0	0.1	-0.2	0.1
	21.7	3.3	3.6	14.8	0.0	0.1	-0.2	0.1
	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
Average	21.7	3.3	3.6	14.9	0.0	0.1	-0.2	0.0
2D	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	0.0
	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	0.0
	21.7	3.1	3.6	15.0	0.0	0.3	-0.2	-0.1
Average	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	-0.1
3D	21.7	3.1	3.6	15.0	0.0	0.3	-0.2	-0.1
	21.7	3.1	3.7	14.9	-0.1	0.3	-0.3	-0.1
	21.7	3.1	3.7	14.9	0.0	0.3	-0.3	0.0
Average	21.7	3.1	3.7	14.9	0.0	0.3	-0.3	-0.1

			104 - C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
Average	21.7	3.4	3.4	14.9				
Infinity	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
	21.7	3.3	3.4	15.0	0.0	0.1	0.0	-0.1
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
1D	21.7	3.3	3.6	14.8	0.0	0.1	-0.2	0.1
	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
Average	21.7	3.2	3.5	14.9	0.0	0.2	-0.1	-0.1
2D	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	0.0
	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
	21.7	3.1	3.5	15.1	0.0	0.3	-0.1	-0.2
Average	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
3D	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	0.0
	21.7	3.1	3.6	15.0	0.0	0.3	-0.2	-0.1
	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	0.0
Average	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	-0.1

103 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	22.9	3.8	3.5	15.6				
	22.9	3.8	3.5	15.6				
	22.9	3.7	3.5	15.7				
Average	22.9	3.8	3.5	15.6				
Infinity	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.7	3.6	15.6	0.0	0.1	-0.1	0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	0.0
Average	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
10	22.9	3.8	3.6	15.5	0.0	0.0	-0.1	0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
Average	22.9	3.7	3.5	15.6	0.0	0.0	0.0	0.0
20	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
Average	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
30	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
Average	22.9	3.7	3.5	15.7	0.0	0.0	0.0	0.0

	103 - G							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	22.9	3.8	3.5	15.6				
	22.9	3.8	3.5	15.6				
	22.9	3.7	3.5	15.7				
Average	22.9	3.8	3.5	15.6				
Infinity	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
Average	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
1D	22.9	3.8	3.4	15.7	0.0	0.0	0.1	-0.1
	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
Average	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
2D	22.9	3.8	3.6	15.5	0.0	0.0	-0.1	0.1
	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0
Average	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.1
3D	22.9	3.8	3.6	15.5	0.0	0.0	-0.1	0.1
	22.9	3.7	3.5	15.7	0.0	0.1	0.0	-0.1
	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.1
Average	22.9	3.8	3.5	15.6	0.0	0.0	0.0	0.0

104 - D								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
Average	21.7	3.4	3.4	14.9				
Infinity	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
Average	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0
1D	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
Average	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
2D	21.7	3.3	3.4	15.0	0.0	0.1	0.0	-0.1
	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
Average	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
3D	21.7	3.3	3.4	15.0	0.0	0.1	0.0	-0.1
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
Average	21.7	3.3	3.4	14.9	0.0	0.1	0.0	-0.1

			104 - E						
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc	
Cyclo	21.7	3.4	3.4	14.9					
	21.7	3.4	3.4	14.9					
	21.7	3.4	3.4	14.9					
Average	21.7	3.4	3.4	14.9					
Infinity	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1	
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	
Average	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0	
10	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0	
	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0	
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	
Average	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0	
20	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	
	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1	
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	
Average	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0	
30	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	
	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0	
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0	

	104 - F							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
Average	21.7	3.4	3.4	14.9				
Infinity	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
1D	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
Average	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.0
2D	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
3D	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
Average	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0

			104 - G					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
	21.7	3.4	3.4	14.9				
Average	21.7	3.4	3.4	14.9				
Infinity	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
1D	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.1
	21.7	3.3	3.4	15.0	0.0	0.1	0.0	-0.1
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
2D	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.3	15.0	0.0	0.0	0.1	-0.1
Average	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
3D	21.7	3.5	3.4	14.8	0.0	-0.1	0.0	0.1
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
Average	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
104-A	Infinity	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	1D	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	2D	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
	3D	21.7	3.1	3.7	14.9	0.0	0.3	-0.3	-0.1
104-B	Infinity	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	1D	21.7	3.3	3.6	14.9	0.0	0.1	-0.2	0.0
	2D	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	-0.1
	3D	21.7	3.1	3.7	14.9	0.0	0.3	-0.3	-0.1
104-C	Infinity	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	1D	21.7	3.2	3.5	14.9	0.0	0.2	-0.1	-0.1
	2D	21.7	3.2	3.5	15.0	0.0	0.2	-0.1	-0.1
	3D	21.7	3.2	3.6	14.9	0.0	0.2	-0.2	-0.1
104-D	Infinity	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0
	1D	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	2D	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	3D	21.7	3.3	3.4	14.9	0.0	0.1	0.0	-0.1
104-E	Infinity	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0
	1D	21.7	3.3	3.5	14.9	0.0	0.1	-0.1	0.0
	2D	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0
	3D	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
104-F	Infinity	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	1D	21.7	3.4	3.5	14.8	0.0	0.0	-0.1	0.0
	2D	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	3D	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0
104-G	Infinity	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	1D	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	2D	21.7	3.4	3.4	14.9	0.0	0.0	0.0	0.0
	3D	21.7	3.4	3.4	14.8	0.0	0.0	0.0	0.0

105 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.3	3.9	3.0	18.4				
	25.2	3.9	3.0	18.3				
	25.2	3.9	2.9	18.4				
Average	25.2	3.9	3.0	18.4				
Infinity	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.2	3.9	3.0	18.3	0.0	0.0	0.0	0.0
	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
Average	25.2	3.9	3.0	18.4	0.0	0.0	0.0	0.0
1D	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
Average	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
2D	25.3	3.7	3.2	18.4	0.0	0.2	-0.2	0.0
	25.3	3.6	3.3	18.4	0.0	0.3	-0.3	0.0
	25.3	3.7	3.2	18.4	0.0	0.2	-0.2	0.0
Average	25.3	3.7	3.2	18.4	0.0	0.2	-0.3	0.0
3D	25.2	3.5	3.4	18.3	0.0	0.4	-0.4	0.0
	25.3	3.5	3.4	18.4	0.0	0.4	-0.4	0.0
	25.3	3.5	3.4	18.4	0.0	0.4	-0.4	0.0
Average	25.2	3.5	3.4	18.3	0.0	0.4	-0.4	0.0

	105 - B							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.3	3.9	3.0	18.4				
	25.2	3.9	3.0	18.3				
	25.2	3.9	2.9	18.4				
Average	25.2	3.9	3.0	18.4				
Infinity	25.3	3.8	2.9	18.6	0.0	0.1	0.1	-0.2
	25.2	3.9	3.1	18.2	0.0	0.0	-0.1	0.1
	25.2	3.9	3.1	18.2	0.0	0.0	-0.1	0.1
Average	25.3	3.9	3.0	18.4	0.0	0.0	-0.1	0.0
1D	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
Average	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
2D	25.3	3.7	3.2	18.4	0.0	0.2	-0.2	0.0
	25.3	3.7	3.2	18.4	0.0	0.2	-0.2	0.0
	25.3	3.8	3.2	18.3	0.0	0.1	-0.2	0.1
Average	25.3	3.7	3.2	18.3	0.0	0.2	-0.2	0.0
3D	25.3	3.6	3.2	18.5	0.0	0.3	-0.2	-0.1
	25.3	3.6	3.3	18.4	0.0	0.3	-0.3	0.0
	25.3	3.7	3.3	18.3	0.0	0.2	-0.3	0.1
Average	25.3	3.6	3.3	18.4	0.0	0.3	-0.3	0.0

			105 - C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.3	3.9	3.0	18.4				
	25.2	3.9	3.0	18.3				
	25.2	3.9	2.9	18.4				
Average	25.2	3.9	3.0	18.4				
Infinity	25.3	3.9	2.9	18.5	0.0	0.0	0.1	-0.1
	25.3	3.9	2.9	18.5	0.0	0.0	0.1	-0.1
	25.2	3.9	3.0	18.3	0.0	0.0	0.0	0.0
Average	25.3	3.9	2.9	18.4	0.0	0.0	0.0	0.0
10	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.2	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
Average	25.3	3.8	3.0	18.4	0.0	0.1	-0.1	-0.1
20	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.2	3.7	3.0	18.5	0.0	0.2	0.0	-0.2
	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
Average	25.2	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
30	25.3	3.6	3.2	18.5	0.0	0.3	-0.2	-0.1
	25.3	3.5	3.2	18.6	0.0	0.4	-0.2	-0.2
	25.2	3.6	3.1	18.5	0.0	0.3	-0.1	-0.2
Average	25.3	3.6	3.2	18.5	0.0	0.3	-0.2	-0.1

105 - D								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.3	3.9	3.0	18.4				
	25.2	3.9	3.0	18.3				
	25.2	3.9	2.9	18.4				
Average	25.2	3.9	3.0	18.4				
Infinity	25.2	4.0	2.9	18.3	0.0	-0.1	0.1	0.0
	25.3	4.0	3.0	18.3	0.0	-0.1	0.0	0.1
	25.3	4.0	3.0	18.3	0.0	-0.1	0.0	0.1
Average	25.2	4.0	3.0	18.3	0.0	-0.1	0.0	0.1
1D	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.2	3.9	3.0	18.3	0.0	0.0	0.0	0.0
Average	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0
2D	25.2	3.9	3.2	18.1	0.0	0.0	-0.2	0.2
	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0
	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0
Average	25.2	3.8	3.1	18.3	0.0	0.1	-0.2	0.1
3D	25.2	3.8	3.0	18.4	0.0	0.1	0.0	-0.1
	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
Average	25.2	3.8	3.1	18.4	0.0	0.1	-0.1	0.0

			105 - E					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.3	3.9	3.0	18.4				
	25.2	3.9	3.0	18.3				
	25.2	3.9	2.9	18.4				
Average	25.2	3.9	3.0	18.4				
Infinity	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
Average	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
1D	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
Average	25.2	3.8	3.0	18.4	0.0	0.1	0.0	-0.1
2D	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.2	3.9	3.0	18.3	0.0	0.0	0.0	0.0
	25.2	3.9	3.0	18.3	0.0	0.0	0.0	0.0
Average	25.2	3.9	3.0	18.3	0.0	0.0	-0.1	0.0
3D	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0
	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0
Average	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0

	105 - F							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.3	3.9	3.0	18.4				
	25.2	3.9	3.0	18.3				
	25.2	3.9	2.9	18.4				
Average	25.2	3.9	3.0	18.4				
Infinity	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
Average	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
1D	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
Average	25.2	3.9	3.0	18.4	0.0	0.0	0.0	0.0
2D	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
Average	25.3	3.9	3.0	18.4	0.0	0.0	-0.1	0.0
3D	25.2	3.8	3.0	18.4	0.0	0.1	0.0	-0.1
	25.2	3.8	3.0	18.4	0.0	0.1	0.0	-0.1
	25.3	3.9	2.9	18.5	0.0	0.0	0.1	-0.1
Average	25.2	3.8	3.0	18.4	0.0	0.1	0.0	-0.1

	105 - G							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.3	3.9	3.0	18.4				
	25.2	3.9	3.0	18.3				
	25.2	3.9	2.9	18.4				
Average	25.2	3.9	3.0	18.4				
Infinity	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
	25.2	3.9	3.0	18.3	0.0	0.0	0.0	0.0
	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
Average	25.2	3.9	3.0	18.4	0.0	0.0	0.0	0.0
1D	25.3	3.9	3.1	18.3	0.0	0.0	-0.1	0.1
	25.3	3.9	3.1	18.3	0.0	0.0	-0.1	0.1
	25.3	3.9	3.1	18.3	0.0	0.0	-0.1	0.1
Average	25.3	3.9	3.1	18.3	0.0	0.0	-0.1	0.1
2D	25.3	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
	25.3	3.9	3.0	18.4	0.0	0.0	0.0	0.0
Average	25.3	3.9	3.0	18.4	0.0	0.0	-0.1	0.0
3D	25.2	3.7	3.2	18.3	0.0	0.2	-0.2	0.0
	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
Average	25.2	3.8	3.1	18.4	0.0	0.1	-0.1	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
105-A	Infinity	25.2	3.9	3.0	18.4	0.0	0.0	0.0	0.0
	10	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
	20	25.3	3.7	3.2	18.4	0.0	0.2	-0.3	0.0
	30	25.2	3.5	3.4	18.3	0.0	0.4	-0.4	0.0
105-B	Infinity	25.3	3.6	3.0	18.7	0.0	0.3	-0.1	-0.3
	10	25.3	3.7	3.1	18.5	0.0	0.2	-0.1	-0.1
	20	25.3	3.7	3.2	18.3	0.0	0.2	-0.2	0.0
	30	25.3	3.6	3.3	18.4	0.0	0.3	-0.3	0.0
105-C	Infinity	25.3	3.9	2.9	18.4	0.0	0.0	0.0	0.0
	10	25.3	3.8	3.0	18.4	0.0	0.1	-0.1	-0.1
	20	25.2	3.8	3.1	18.4	0.0	0.1	-0.1	0.0
	30	25.3	3.6	3.2	18.5	0.0	0.3	-0.2	-0.1
105-D	Infinity	25.2	4.0	3.0	18.3	0.0	-0.1	0.0	0.1
	10	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0
	20	25.2	3.8	3.1	18.3	0.0	0.1	-0.2	0.1
	30	25.2	3.9	3.1	18.4	0.0	0.1	-0.1	0.0
105-E	Infinity	25.2	3.9	2.9	18.4	0.0	0.0	0.1	-0.1
	10	25.2	3.8	3.0	18.4	0.0	0.1	0.0	-0.1
	20	25.2	3.9	3.0	18.3	0.0	0.0	-0.1	0.0
	30	25.2	3.8	3.1	18.3	0.0	0.1	-0.1	0.0
105-F	Infinity	25.3	3.8	3.0	18.5	0.0	0.1	0.0	-0.1
	10	25.2	3.9	3.0	18.4	0.0	0.0	0.0	0.0
	20	25.3	3.9	3.0	18.4	0.0	0.0	-0.1	0.0
	30	25.2	3.8	3.0	18.4	0.0	0.1	0.0	-0.1
105-G	Infinity	25.2	3.9	3.0	18.4	0.0	0.0	0.0	0.0
	10	25.3	3.9	3.1	18.3	0.0	0.0	-0.1	0.1
	20	25.3	3.9	3.0	18.4	0.0	0.0	-0.1	0.0
	30	25.2	3.8	3.1	18.4	0.0	0.1	-0.1	0.0

106 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
Average	26.3	4.0	3.3	19.0				
Infinity	26.3	4.1	3.3	18.9	0.0	-0.1	0.0	0.1
	26.3	4.0	3.2	19.1	0.0	0.0	0.1	-0.1
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
1D	26.3	3.8	3.3	19.2	0.0	0.2	0.0	-0.2
	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	26.3	4.0	3.4	18.9	0.0	0.0	-0.1	0.1
Average	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
2D	26.3	3.7	3.3	19.3	0.0	0.3	0.0	-0.3
	26.3	3.7	3.2	19.4	0.0	0.3	0.1	-0.4
	26.4	3.8	3.4	19.2	0.0	0.2	-0.1	-0.1
Average	26.3	3.7	3.3	19.3	0.0	0.3	0.0	-0.3
3D	26.3	3.7	3.4	19.2	0.0	0.3	-0.1	-0.2
	26.3	3.7	3.4	19.2	0.0	0.3	-0.1	-0.2
	26.4	3.8	3.3	19.3	0.0	0.2	0.0	-0.2
Average	26.3	3.7	3.4	19.2	0.0	0.3	-0.1	-0.2

	106 - B							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
Average	26.3	4.0	3.3	19.0				
Infinity	26.4	4.1	3.3	19.0	0.0	-0.1	0.0	0.1
	26.3	4.0	3.2	19.1	0.0	0.0	0.1	-0.1
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
1D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
2D	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	26.3	3.8	3.3	19.2	0.0	0.2	0.0	-0.2
	26.3	3.8	3.3	19.2	0.0	0.2	0.0	-0.2
Average	26.3	3.8	3.3	19.2	0.0	0.2	0.0	-0.2
3D	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	26.3	3.8	3.3	19.2	0.0	0.2	0.0	-0.2
	26.4	3.9	3.3	19.2	0.0	0.1	0.0	-0.1
Average	26.3	3.9	3.3	19.2	0.0	0.1	0.0	-0.1

			106 - C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cycle	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
Average	26.3	4.0	3.3	19.0				
Infinity	26.4	4.1	3.2	19.1	0.0	-0.1	0.1	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
Average	26.3	4.0	3.3	19.1	0.0	0.0	0.0	0.0
10	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
Average	26.3	3.9	3.3	19.1	0.0	0.1	0.0	0.0
20	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	26.3	4.0	3.4	18.9	0.0	0.0	-0.1	0.1
Average	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
30	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
Average	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0

	106 - D							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
Average	26.3	4.0	3.3	19.0				
Infinity	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.4	18.9	0.0	0.0	-0.1	0.1
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
1D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
2D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.6	18.7	0.0	0.0	-0.3	0.3
Average	26.3	3.9	3.5	18.9	0.0	0.1	-0.2	0.1
3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0

	106 - E							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
Average	26.3	4.0	3.3	19.0				
Infinity	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.4	18.9	0.0	0.0	-0.1	0.1
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
1D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
2D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.6	18.7	0.0	0.0	-0.3	0.3
Average	26.3	3.9	3.5	18.9	0.0	0.1	-0.2	0.1
3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0

			106 - F					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
Average	26.3	4.0	3.3	19.0				
Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
1D	26.4	4.0	3.3	19.1	0.0	0.0	0.0	0.0
	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.1	0.0	0.0	0.0	0.0
2D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.4	18.9	0.0	0.0	-0.1	0.1
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0

			106 - G					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
	26.3	4.0	3.3	19.0				
Average	26.3	4.0	3.3	19.0				
Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
1D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
2D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
Average	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
106-A	Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	1D	26.3	3.9	3.3	19.1	0.0	0.1	0.0	-0.1
	2D	26.3	3.7	3.3	19.3	0.0	0.3	0.0	-0.3
	3D	26.3	3.7	3.4	19.2	0.0	0.3	-0.1	-0.2
106-B	Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	1D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	2D	26.3	3.8	3.3	19.2	0.0	0.2	0.0	-0.2
	3D	26.3	3.9	3.3	19.2	0.0	0.1	0.0	-0.1
106-C	Infinity	26.3	4.0	3.3	19.1	0.0	0.0	0.0	0.0
	1D	26.3	3.9	3.3	19.1	0.0	0.1	0.0	0.0
	2D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	3D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
106-D	Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	1D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	2D	26.3	3.9	3.5	18.9	0.0	0.1	-0.2	0.1
	3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
106-E	Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	1D	26.3	3.9	3.4	19.0	0.0	0.1	-0.1	0.0
	2D	26.3	3.9	3.5	18.9	0.0	0.1	-0.2	0.1
	3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
106-F	Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	1D	26.3	4.0	3.3	19.1	0.0	0.0	0.0	0.0
	2D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
106-G	Infinity	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	1D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	2D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0
	3D	26.3	4.0	3.3	19.0	0.0	0.0	0.0	0.0

107 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.1	4.0	2.9	17.2				
	24.1	4.0	2.9	17.2				
	24.1	4.0	3.0	17.1				
Average	24.1	4.0	2.9	17.2				
Infinity	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	4.0	3.0	17.2	0.0	0.0	-0.1	0.0
1D	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	24.2	3.8	3.1	17.3	0.0	0.2	-0.2	0.0
	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
Average	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
2D	24.1	3.8	3.2	17.1	0.0	0.2	-0.3	0.1
	24.2	3.7	3.2	17.3	0.0	0.3	-0.3	0.0
	24.1	3.7	3.2	17.2	0.0	0.3	-0.3	0.0
Average	24.1	3.7	3.2	17.2	0.0	0.3	-0.3	0.0
3D	24.2	3.7	3.4	17.1	0.0	0.3	-0.5	0.2
	24.1	3.6	3.4	17.1	0.0	0.4	-0.5	0.1
	24.2	3.7	3.3	17.2	0.0	0.3	-0.4	0.1
Average	24.1	3.7	3.4	17.1	0.0	0.3	-0.4	0.1

107 - B								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.1	4.0	2.9	17.2				
	24.1	4.0	2.9	17.2				
	24.1	4.0	3.0	17.1				
Average	24.1	4.0	2.9	17.2				
Infinity	24.2	4.0	3.0	17.2	0.0	0.0	-0.1	0.1
	24.1	3.9	2.9	17.3	0.0	0.1	0.0	-0.1
	24.1	3.9	2.9	17.3	0.0	0.1	0.0	-0.1
Average	24.1	3.9	2.9	17.3	0.0	0.1	0.0	-0.1
10	24.1	4.0	3.1	17.0	0.0	0.0	-0.2	0.2
	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
Average	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
20	24.2	3.8	3.1	17.3	0.0	0.2	-0.2	0.0
	24.1	3.8	3.2	17.1	0.0	0.2	-0.3	0.1
	24.1	3.7	3.1	17.3	0.0	0.3	-0.2	-0.1
Average	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
30	24.1	3.6	3.2	17.3	0.0	0.4	-0.3	-0.1
	24.2	3.7	3.3	17.2	0.0	0.3	-0.4	0.1
	24.2	3.7	3.3	17.2	0.0	0.3	-0.4	0.1
Average	24.1	3.7	3.3	17.2	0.0	0.3	-0.3	0.0

107 - C								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.1	4.0	2.9	17.2				
	24.1	4.0	2.9	17.2				
	24.1	4.0	3.0	17.1				
Average	24.1	4.0	2.9	17.2				
Infinity	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
1D	24.1	3.9	3.1	17.1	0.0	0.1	-0.2	0.1
	24.2	3.8	3.1	17.3	0.0	0.2	-0.2	0.0
	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
Average	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
2D	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	24.2	3.9	3.2	17.1	0.0	0.1	-0.3	0.2
	24.2	3.8	3.1	17.3	0.0	0.2	-0.2	0.0
Average	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
3D	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	24.1	3.9	3.1	17.1	0.0	0.1	-0.2	0.1
	24.1	3.9	3.1	17.1	0.0	0.1	-0.2	0.1
Average	24.1	3.9	3.1	17.2	0.0	0.1	-0.2	0.0

	107 - D							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.1	4.0	2.9	17.2				
	24.1	4.0	2.9	17.2				
	24.1	4.0	3.0	17.1				
Average	24.1	4.0	2.9	17.2				
Infinity	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	3.9	3.1	17.1	0.0	0.1	-0.2	0.1
Average	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
1D	24.1	3.9	3.1	17.1	0.0	0.1	-0.2	0.1
	24.1	3.8	3.0	17.3	0.0	0.2	-0.1	-0.1
	24.2	3.9	3.1	17.2	0.0	0.1	-0.2	0.1
Average	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
2D	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
3D	24.1	3.9	3.1	17.1	0.0	0.1	-0.2	0.1
	24.2	4.0	3.0	17.2	0.0	0.0	-0.1	0.1
	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
Average	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0

107 - E								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.1	4.0	2.9	17.2				
	24.1	4.0	2.9	17.2				
	24.1	4.0	3.0	17.1				
Average	24.1	4.0	2.9	17.2				
Infinity	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.2	4.0	3.0	17.2	0.0	0.0	-0.1	0.1
	24.1	3.9	2.9	17.3	0.0	0.1	0.0	-0.1
Average	24.1	4.0	3.0	17.2	0.0	0.0	0.0	0.0
1D	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	4.0	2.9	17.2	0.0	0.0	0.0	0.0
	24.1	2.9	3.0	17.2	0.0	0.1	-0.1	0.0
Average	24.1	3.9	3.0	17.2	0.0	0.1	0.0	0.0
2D	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
Average	24.1	4.0	3.0	17.2	0.0	0.0	-0.1	0.0
3D	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.2	4.0	3.1	17.1	0.0	0.0	-0.2	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1

107 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.1	4.0	2.9	17.2				
	24.1	4.0	2.9	17.2				
	24.1	4.0	3.0	17.1				
Average	24.1	4.0	2.9	17.2				
Infinity	24.2	4.0	3.0	17.2	0.0	0.0	-0.1	0.1
	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
Average	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
1D	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
2D	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
Average	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
3D	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.2	3.9	3.0	17.3	0.0	0.1	-0.1	0.0
	24.2	3.9	3.0	17.3	0.0	0.1	-0.1	0.0
Average	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0

			107 - G					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.1	4.0	2.9	17.2				
	24.1	4.0	2.9	17.2				
	24.1	4.0	3.0	17.1				
Average	24.1	4.0	2.9	17.2				
Infinity	24.1	4.0	2.9	17.2	0.0	0.0	0.0	0.0
	24.1	4.0	2.9	17.2	0.0	0.0	0.0	0.0
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	4.0	2.9	17.2	0.0	0.0	0.0	0.0
10	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	3.9	2.9	17.3	0.0	0.1	0.0	-0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	4.0	3.0	17.2	0.0	0.0	0.0	0.0
20	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
30	24.2	3.9	3.0	17.3	0.0	0.1	-0.1	0.0
	24.1	3.9	2.9	17.3	0.0	0.1	0.0	-0.1
	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
Average	24.1	3.9	3.0	17.2	0.0	0.1	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tyc	ΔTza	ΔTac	ΔTl	ΔTyc
107-A	Infinity	24.1	4.0	3.0	17.2	0.0	0.0	-0.1	0.0
	10	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	20	24.1	3.7	3.2	17.2	0.0	0.3	-0.3	0.0
	30	24.1	3.7	3.4	17.1	0.0	0.3	-0.4	0.1
107-B	Infinity	24.1	3.9	2.9	17.3	0.0	0.1	0.0	-0.1
	10	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
	20	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	30	24.1	3.7	3.3	17.2	0.0	0.3	-0.3	0.0
107-C	Infinity	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	10	24.1	3.9	3.1	17.1	0.0	0.1	-0.1	0.0
	20	24.1	3.8	3.1	17.2	0.0	0.2	-0.2	0.0
	30	24.1	3.8	3.1	17.1	0.0	0.1	-0.2	0.0
107-D	Infinity	24.1	3.8	3.0	17.2	0.0	0.1	-0.1	0.0
	10	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
	20	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	30	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
107-E	Infinity	24.1	4.0	3.0	17.2	0.0	0.0	0.0	0.0
	10	24.1	3.9	3.0	17.1	0.0	0.1	0.0	0.0
	20	24.1	4.0	3.0	17.2	0.0	0.0	-0.1	0.0
	30	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
107-F	Infinity	24.1	3.9	3.1	17.2	0.0	0.1	-0.1	0.0
	10	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	20	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
	30	24.1	3.9	3.0	17.2	0.0	0.1	-0.1	0.0
107-G	Infinity	24.1	4.0	2.9	17.2	0.0	0.0	0.0	0.0
	10	24.1	4.0	3.0	17.2	0.0	0.0	0.0	0.0
	20	24.1	4.0	3.0	17.1	0.0	0.0	-0.1	0.1
	30	24.1	3.9	3.0	17.2	0.0	0.1	0.0	0.0

108 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
Average	25.1	4.0	3.3	17.8				
Infinity	25.2	4.0	3.4	17.8	0.0	0.0	-0.1	0.1
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.1	3.3	17.7	0.0	-0.1	0.0	0.1
Average	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.1
10	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	25.1	4.0	3.4	17.7	0.0	0.0	-0.1	0.1
Average	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
20	25.2	3.8	3.5	17.9	0.0	0.2	-0.2	0.0
	25.1	3.8	3.5	17.8	0.0	0.2	-0.2	0.0
	25.1	3.9	3.5	17.7	0.0	0.1	-0.2	0.1
Average	25.1	3.8	3.5	17.8	0.0	0.2	-0.2	0.0
30	25.2	3.8	3.6	17.8	0.0	0.2	-0.3	0.1
	25.2	3.8	3.5	17.9	0.0	0.2	-0.2	0.0
	25.2	3.7	3.6	17.9	0.0	0.3	-0.3	0.0
Average	25.2	3.8	3.6	17.8	0.0	0.2	-0.3	0.0

			108 - B					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
Average	25.1	4.0	3.3	17.8				
Infinity	25.1	3.9	3.2	18.0	0.0	0.1	0.1	-0.2
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
Average	25.1	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
1D	25.2	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
	25.1	3.8	3.4	17.9	0.0	0.2	-0.1	-0.1
	25.1	3.8	3.4	17.9	0.0	0.2	-0.1	-0.1
Average	25.1	3.8	3.4	17.9	0.0	0.2	-0.1	-0.1
2D	25.1	3.8	3.5	17.8	0.0	0.2	-0.2	0.0
	25.1	3.8	3.5	17.8	0.0	0.2	-0.2	0.0
	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
Average	25.1	3.8	3.5	17.8	0.0	0.2	-0.2	0.0
3D	25.2	3.7	3.6	17.9	0.0	0.3	0.0	0.0
	25.2	3.7	3.6	17.9	0.0	0.3	-0.3	0.0
	25.2	3.8	3.5	17.9	0.0	0.2	-0.2	0.0
Average	25.2	3.7	3.6	17.9	0.0	0.3	-0.3	0.0

			108 - C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
Average	25.1	4.0	3.3	17.8				
Infinity	25.2	4.0	3.4	17.8	0.0	0.0	-0.1	0.1
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
10	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
20	25.1	4.0	3.4	17.7	0.0	0.0	-0.1	0.1
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
Average	25.1	3.9	3.3	17.9	0.0	0.1	0.0	0.0
30	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	4.0	3.2	17.9	0.0	0.0	0.1	-0.1
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
Average	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1

	108 - D							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
Average	25.1	4.0	3.3	17.8				
Infinity	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	25.2	4.0	3.3	17.9	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
10	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
	25.2	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
Average	25.1	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
20	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.2	4.0	3.4	17.8	0.0	0.0	-0.1	0.1
Average	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
30	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
Average	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0

			108 - E					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
Average	25.1	4.0	3.3	17.8				
Infinity	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.2	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
Average	25.1	4.0	3.3	17.9	0.0	0.0	0.0	0.0
10	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
Average	25.1	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
20	25.2	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
	25.2	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
Average	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
30	25.1	3.8	3.4	17.9	0.0	0.2	-0.1	-0.1
	25.2	4.0	3.3	17.9	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	3.9	3.3	17.9	0.0	0.1	0.0	0.0

108 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
Average	25.1	4.0	3.3	17.8				
Infinity	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	4.0	3.3	17.9	0.0	0.0	0.0	0.0
10	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.2	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
Average	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
20	25.2	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
Average	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
30	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	4.0	3.4	17.7	0.0	0.0	-0.1	0.1
	25.2	4.0	3.3	17.9	0.0	0.0	0.0	0.0
Average	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0

108 - G								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
	25.1	4.0	3.3	17.8				
Average	25.1	4.0	3.3	17.8				
Infinity	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
10	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	4.0	3.3	17.9	0.0	0.0	0.0	0.0
20	25.1	3.8	3.4	17.9	0.0	0.2	-0.1	-0.1
	25.2	4.0	3.2	18.0	0.0	0.0	0.1	-0.1
	25.2	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
Average	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
30	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
Average	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0

		Averages							
		T _{zs}	T _{ac}	T _i	T _{vc}	ΔT _{zs}	ΔT _{ac}	ΔT _i	ΔT _{vc}
106-A	Infinity	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.1
	10	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
	20	25.1	3.8	3.5	17.8	0.0	0.2	-0.2	0.0
	30	25.2	3.8	3.6	17.8	0.0	0.2	-0.3	0.0
106-B	Infinity	25.1	3.9	3.3	18.0	0.0	0.1	0.0	-0.1
	10	25.1	3.8	3.4	17.9	0.0	0.2	-0.1	-0.1
	20	25.1	3.8	3.5	17.8	0.0	0.2	-0.2	0.0
	30	25.2	3.7	3.6	17.9	0.0	0.3	-0.3	0.0
106-C	Infinity	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	10	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
	20	25.1	3.9	3.3	17.9	0.0	0.1	0.0	0.0
	30	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
106-D	Infinity	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	10	25.1	3.9	3.4	17.9	0.0	0.1	-0.1	0.0
	20	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	30	25.1	3.9	3.4	17.8	0.0	0.1	-0.1	0.0
106-E	Infinity	25.1	4.0	3.3	17.9	0.0	0.0	0.0	0.0
	10	25.1	3.9	3.4	17.5	0.0	0.1	-0.1	0.0
	20	25.1	3.9	3.3	17.5	0.0	0.1	0.0	-0.1
	30	25.1	3.9	3.3	17.9	0.0	0.1	0.0	0.0
106-F	Infinity	25.1	4.0	3.3	17.9	0.0	0.0	0.0	0.0
	10	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	20	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	30	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
106-G	Infinity	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0
	10	25.1	4.0	3.3	17.9	0.0	0.0	0.0	0.0
	20	25.1	3.9	3.3	17.9	0.0	0.1	0.0	-0.1
	30	25.1	4.0	3.3	17.8	0.0	0.0	0.0	0.0

109 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
Average	23.5	4.0	3.3	16.2				
Infinity	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	0.0
10	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
Average	23.5	3.9	3.4	16.3	0.0	0.1	-0.1	0.0
20	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
	23.5	3.8	3.5	16.2	0.0	0.2	-0.2	0.0
Average	23.5	3.8	3.5	16.3	0.0	0.2	-0.2	-0.1
30	23.5	3.7	3.6	16.2	0.0	0.3	-0.3	0.0
	23.6	3.8	3.5	16.3	0.0	0.2	-0.2	0.0
	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
Average	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1

			109 - B					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
Average	23.5	4.0	3.3	16.2				
Infinity	23.5	4.2	3.2	16.1	0.0	-0.2	0.1	0.1
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
Average	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
1D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
Average	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
2D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
	23.5	3.7	3.4	16.4	0.0	0.3	-0.1	-0.2
Average	23.5	3.7	3.4	16.4	0.0	0.3	-0.1	-0.1
3D	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
	23.5	3.7	3.4	16.4	0.0	0.3	-0.1	-0.2
Average	23.5	3.7	3.5	16.4	0.0	0.3	-0.2	-0.2

109 - C								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
Average	23.5	4.0	3.3	16.2				
Infinity	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	0.0
1D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
Average	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
2D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
	23.5	3.7	3.4	16.4	0.0	0.3	-0.1	-0.2
Average	23.5	3.7	3.4	16.4	0.0	0.3	-0.1	-0.1
3D	23.5	3.6	3.6	16.3	0.0	0.4	-0.3	-0.1
	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
Average	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1

			109 - D					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
Average	23.5	4.0	3.3	16.2				
Infinity	23.6	4.1	3.4	16.1	0.0	-0.1	-0.1	0.2
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
Average	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
1D	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	3.8	3.3	16.4	0.0	0.2	0.0	-0.2
Average	23.5	3.9	3.4	16.3	0.0	0.1	-0.1	-0.1
2D	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	3.8	3.3	16.4	0.0	0.2	0.0	-0.2
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
3D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
Average	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1

	109 - E							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
Average	23.5	4.0	3.3	16.2				
Infinity	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	4.0	3.3	16.3	0.0	0.0	0.0	0.0
1D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
2D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
Average	23.5	3.9	3.4	16.3	0.0	0.1	-0.1	-0.1
3D	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1

	109 - F							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
Average	23.5	4.0	3.3	16.2				
Infinity	23.5	4.0	3.4	16.1	0.0	0.0	-0.1	0.1
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
Average	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
10	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
20	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
30	23.5	4.0	3.4	16.1	0.0	0.0	-0.1	0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	0.0

109 - G								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
	23.5	4.0	3.3	16.2				
Average	23.5	4.0	3.3	16.2				
Infinity	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
1D	23.5	3.9	3.4	16.2	0.0	0.1	-0.1	0.0
	23.5	4.0	3.2	16.3	0.0	0.0	0.1	-0.1
	23.5	3.9	3.2	16.3	0.0	0.1	0.0	-0.1
Average	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
2D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	4.0	3.3	16.3	0.0	0.0	0.0	0.0
3D	23.5	4.0	3.2	16.3	0.0	0.0	0.1	-0.1
	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
Average	23.5	4.0	3.3	16.3	0.0	0.0	0.0	-0.1

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
109-A	Infinity	23.5	3.9	3.3	16.3	0.0	0.1	0.0	0.0
	1D	23.5	3.9	3.4	16.3	0.0	0.1	-0.1	0.0
	2D	23.5	3.8	3.5	16.3	0.0	0.2	-0.2	-0.1
	3D	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
109-B	Infinity	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	1D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	2D	23.5	3.7	3.4	16.4	0.0	0.3	-0.1	-0.1
	3D	23.5	3.7	3.5	16.4	0.0	0.3	-0.2	-0.2
109-C	Infinity	23.5	3.9	3.3	16.3	0.0	0.1	0.0	0.0
	1D	23.5	3.8	3.4	16.3	0.0	0.2	-0.1	-0.1
	2D	23.5	3.7	3.4	16.4	0.0	0.3	-0.1	-0.1
	3D	23.5	3.7	3.5	16.3	0.0	0.3	-0.2	-0.1
109-D	Infinity	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	1D	23.5	3.9	3.4	16.3	0.0	0.1	-0.1	-0.1
	2D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	3D	23.5	3.9	3.4	16.3	0.0	0.2	-0.1	-0.1
109-E	Infinity	23.5	4.0	3.3	16.3	0.0	0.0	0.0	0.0
	1D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	2D	23.5	3.9	3.4	16.3	0.0	0.1	-0.1	-0.1
	3D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
109-F	Infinity	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	1D	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	2D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	3D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	0.0
109-G	Infinity	23.5	4.0	3.3	16.2	0.0	0.0	0.0	0.0
	1D	23.5	3.9	3.3	16.3	0.0	0.1	0.0	-0.1
	2D	23.5	4.0	3.3	16.3	0.0	0.0	0.0	0.0
	3D	23.5	4.0	3.3	16.3	0.0	0.0	0.0	-0.1

110 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
Average	27.1	4.0	3.3	19.8				
Infinity	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
1D	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	3.9	3.4	19.9	0.0	0.1	-0.1	-0.1
2D	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
	27.1	3.8	3.5	19.8	0.0	0.2	-0.2	0.0
Average	27.1	3.8	3.5	19.9	0.0	0.2	-0.2	-0.1
3D	27.1	3.7	3.6	19.8	0.0	0.3	-0.3	0.0
	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
Average	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1

			110 - B					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
Average	27.1	4.0	3.3	19.8				
Infinity	27.1	4.1	3.3	19.7	0.0	-0.1	0.0	0.1
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
1D	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.8	3.3	20.0	0.0	0.2	0.0	-0.2
Average	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
2D	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
Average	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
3D	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
	27.1	3.7	3.6	19.8	0.0	0.3	-0.3	0.0
	27.1	3.7	3.6	19.8	0.0	0.3	-0.3	0.0
Average	27.1	3.7	3.6	19.9	0.0	0.3	-0.3	-0.1

			110 - C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
Average	27.1	4.0	3.3	19.8				
Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.4	19.7	0.0	0.0	-0.1	0.1
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
1D	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	3.9	3.4	19.9	0.0	0.1	-0.1	-0.1
2D	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
Average	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
3D	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	27.1	3.9	3.5	19.7	0.0	0.1	-0.2	0.1
	27.1	3.9	3.5	19.7	0.0	0.1	-0.2	0.1
Average	27.1	3.9	3.5	19.8	0.0	0.1	-0.2	0.0

			110-D					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
Average	27.1	4.0	3.3	19.8				
Infinity	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
1D	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
Average	27.1	3.9	3.4	19.9	0.0	0.1	-0.1	-0.1
2D	27.1	3.8	3.3	20.0	0.0	0.2	0.0	-0.2
	27.1	3.8	3.3	20.0	0.0	0.2	0.0	-0.2
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
Average	27.1	3.8	3.3	20.0	0.0	0.2	0.0	-0.1
3D	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0

			110 - E					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
Average	27.1	4.0	3.3	19.8				
Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
1D	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	4.0	3.4	19.7	0.0	0.0	-0.1	0.1
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	0.0
Average	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
2D	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
3D	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
Average	27.1	3.9	3.3	19.8	0.0	0.1	0.0	0.0

			110 - F					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
Average	27.1	4.0	3.3	19.8				
Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
1D	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
Average	27.1	3.9	3.3	19.8	0.0	0.1	0.0	0.0
2D	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
Average	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
3D	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.4	19.7	0.0	0.0	-0.1	0.1
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0

			110 - G					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
	27.1	4.0	3.3	19.8				
Average	27.1	4.0	3.3	19.8				
Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
1D	27.1	4.0	3.4	19.7	0.0	0.0	-0.1	0.1
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	3.9	3.3	19.9	0.0	0.1	0.0	0.0
2D	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
3D	27.1	3.9	3.3	19.9	0.0	0.1	0.0	-0.1
	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	27.1	4.0	3.4	19.7	0.0	0.0	-0.1	0.1
Average	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
110-A	Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	10	27.1	3.9	3.4	19.9	0.0	0.1	-0.1	-0.1
	20	27.1	3.8	3.5	19.9	0.0	0.2	-0.2	-0.1
	30	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
110-B	Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	10	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	20	27.1	3.7	3.5	19.9	0.0	0.3	-0.2	-0.1
	30	27.1	3.7	3.6	19.9	0.0	0.3	-0.3	-0.1
110-C	Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	10	27.1	3.9	3.4	19.9	0.0	0.1	-0.1	-0.1
	20	27.1	3.8	3.4	19.9	0.0	0.2	-0.1	-0.1
	30	27.1	3.9	3.5	19.8	0.0	0.1	-0.2	0.0
110-D	Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	10	27.1	3.9	3.4	19.9	0.0	0.1	-0.1	-0.1
	20	27.1	3.8	3.3	20.0	0.0	0.2	0.0	-0.1
	30	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
110-E	Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	10	27.1	3.9	3.3	19.8	0.0	0.1	0.0	0.0
	20	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	30	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
110-F	Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	10	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	20	27.1	3.9	3.4	19.8	0.0	0.1	-0.1	0.0
	30	27.1	3.9	3.3	19.8	0.0	0.1	0.0	0.0
110-G	Infinity	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	10	27.1	3.9	3.3	19.9	0.0	0.1	0.0	0.0
	20	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0
	30	27.1	4.0	3.3	19.8	0.0	0.0	0.0	0.0

111 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
Average	23.2	3.7	3.6	15.9				
Infinity	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
1D	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
	23.2	3.5	3.9	15.8	0.0	0.2	-0.3	0.1
Average	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
2D	23.2	3.4	3.8	16.0	0.0	0.3	-0.2	-0.1
	23.2	3.4	3.9	15.9	0.0	0.3	-0.3	0.0
	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
Average	23.2	3.4	3.8	15.9	0.0	0.3	-0.2	0.0
3D	23.2	3.4	3.9	15.9	0.0	0.3	-0.3	0.0
	23.2	3.4	4.0	15.8	0.0	0.3	-0.4	0.1
	23.2	3.4	3.9	15.9	0.0	0.3	-0.3	0.0
Average	23.2	3.4	3.9	15.8	0.0	0.3	-0.3	0.0

			111 - E					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
Average	23.2	3.7	3.6	15.9				
Infinity	23.2	3.7	3.7	15.8	0.0	0.0	-0.1	0.1
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.7	3.6	15.8	0.0	0.0	0.0	0.0
1D	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1
	23.2	3.7	3.7	15.8	0.0	0.0	-0.1	0.1
Average	23.2	3.6	3.7	15.8	0.0	0.1	-0.1	0.1
2D	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
Average	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
3D	23.2	3.4	3.8	16.0	0.0	0.3	-0.2	-0.1
	23.2	3.5	3.9	15.8	0.0	0.2	-0.3	0.1
	23.2	3.5	3.9	15.8	0.0	0.2	-0.3	0.1
Average	23.2	3.5	3.9	15.8	0.0	0.2	-0.3	0.0

			111 - C					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
Average	23.2	3.7	3.6	15.9				
Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.8	3.5	15.9	0.0	-0.1	0.1	0.0
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
1D	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	23.2	3.5	3.6	16.1	0.0	0.2	0.0	-0.2
	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1
Average	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
2D	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
Average	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
3D	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1
	23.2	3.5	3.9	15.8	0.0	0.2	-0.3	0.1
	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1
Average	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1

	111 - D							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
Average	23.2	3.7	3.6	15.9				
Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.7	15.8	0.0	0.0	-0.1	0.1
	23.2	3.6	3.6	16.0	0.0	0.1	0.0	-0.1
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
1D	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1
	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
Average	23.2	3.5	3.7	15.9	0.0	0.2	-0.1	0.0
2D	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
Average	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
3D	23.2	3.5	3.6	16.1	0.0	0.2	0.0	-0.2
	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
Average	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	-0.1

	111 - E							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
Average	23.2	3.7	3.6	15.9				
Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.5	16.0	0.0	0.0	0.1	-0.1
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
10	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.6	3.5	16.1	0.0	0.1	0.1	-0.2
	23.2	3.7	3.7	15.8	0.0	0.0	-0.1	0.1
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
20	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.6	3.5	16.1	0.0	0.1	0.1	-0.2
	23.2	3.6	3.5	16.1	0.0	0.1	0.1	-0.2
Average	23.2	3.6	3.5	16.0	0.0	0.1	0.1	-0.1
30	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0

111 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
Average	23.2	3.7	3.6	15.9				
Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
1D	23.2	3.6	3.5	16.1	0.0	0.1	0.1	-0.2
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.6	3.5	16.1	0.0	0.1	0.1	-0.2
Average	23.2	3.6	3.5	16.0	0.0	0.1	0.1	-0.1
2D	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.1	3.7	3.7	15.7	0.0	0.0	-0.1	0.1
	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1
Average	23.2	3.7	3.7	15.8	0.0	0.0	-0.1	0.1
3D	23.2	3.7	3.7	15.8	0.0	0.0	-0.1	0.1
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.7	3.6	15.8	0.0	0.0	0.0	0.0

			111 - G					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
	23.2	3.7	3.6	15.9				
Average	23.2	3.7	3.6	15.9				
Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
1D	23.2	3.6	3.6	16.0	0.0	0.1	0.0	-0.1
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.6	3.5	16.1	0.0	0.1	0.1	-0.2
Average	23.2	3.6	3.6	16.0	0.0	0.1	0.0	-0.1
2D	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.6	3.6	16.0	0.0	0.1	0.0	-0.1
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
3D	23.2	3.6	3.5	16.1	0.0	0.1	0.1	-0.2
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
Average	23.2	3.7	3.6	15.9	0.0	0.0	0.0	-0.1

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
111-A	Infinity	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	10	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
	20	23.2	3.4	3.8	15.9	0.0	0.3	-0.2	0.0
	30	23.2	3.4	3.9	15.8	0.0	0.3	-0.3	0.0
111-B	Infinity	23.2	3.7	3.6	15.8	0.0	0.0	0.0	0.0
	10	23.2	3.6	3.7	15.8	0.0	0.1	-0.1	0.1
	20	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
	30	23.2	3.5	3.9	15.8	0.0	0.2	-0.3	0.0
111-C	Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	10	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	0.0
	20	23.2	3.5	3.8	15.9	0.0	0.2	-0.2	0.0
	30	23.2	3.6	3.8	15.8	0.0	0.1	-0.2	0.1
111-D	Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	10	23.2	3.5	3.7	15.9	0.0	0.2	-0.1	0.0
	20	23.2	3.5	3.7	16.0	0.0	0.2	-0.1	-0.1
	30	23.2	3.6	3.7	15.9	0.0	0.1	-0.1	-0.1
111-E	Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	10	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	20	23.2	3.6	3.5	16.0	0.0	0.1	0.1	-0.1
	30	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
111-F	Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	10	23.2	3.6	3.5	16.0	0.0	0.1	0.1	-0.1
	20	23.2	3.7	3.7	15.8	0.0	0.0	-0.1	0.1
	30	23.2	3.7	3.6	15.8	0.0	0.0	0.0	0.0
111-G	Infinity	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	10	23.2	3.6	3.6	16.0	0.0	0.1	0.0	-0.1
	20	23.2	3.7	3.6	15.9	0.0	0.0	0.0	0.0
	30	23.2	3.7	3.6	15.9	0.0	0.0	0.0	-0.1

			112 - A					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.1	3.7	3.5	18.9				
	26.2	3.7	3.6	18.9				
	26.1	3.7	3.5	18.9				
Average	26.1	3.7	3.5	18.9				
Infinity	26.2	3.7	3.6	18.9	0.0	0.0	-0.1	0.1
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1
Average	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
1D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.7	18.9	0.0	0.1	-0.2	0.1
Average	26.2	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
2D	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	-0.1
	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	-0.1
	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	-0.1
Average	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	-0.1
3D	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	-0.1
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	-0.1
Average	26.2	3.5	3.7	19.0	0.0	0.2	-0.1	0.0

112 - B								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.1	3.7	3.5	18.9				
	26.2	3.7	3.6	18.9				
	26.1	3.7	3.5	18.9				
Average	26.1	3.7	3.5	18.9				
Infinity	26.2	3.7	3.6	18.9	0.0	0.0	-0.1	0.1
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.7	3.6	18.9	0.0	0.0	0.0	0.0
1D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	-0.1
	26.2	3.6	3.7	18.9	0.0	0.1	-0.2	0.1
Average	26.2	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
2D	26.2	3.6	3.7	18.9	0.0	0.1	-0.2	0.1
	26.2	3.5	3.6	19.1	0.0	0.2	-0.1	-0.1
	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	0.0
Average	26.2	3.5	3.7	19.0	0.0	0.2	-0.1	0.0
3D	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	0.0
	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	-0.1
Average	26.2	3.5	3.7	19.0	0.0	0.2	-0.1	0.0

112 - C								
	Tza	Tac	Tl	Tyc	ΔTza	ΔTac	ΔTl	ΔTyc
Cyclo	26.1	3.7	3.5	18.9				
	26.2	3.7	3.6	18.9				
	26.1	3.7	3.5	18.9				
Average	26.1	3.7	3.5	18.9				
Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1
	26.1	3.7	3.6	18.8	0.0	0.0	-0.1	0.1
Average	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
1D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
	26.1	3.5	3.5	19.1	0.0	0.2	0.0	-0.2
Average	26.1	3.6	3.6	19.0	0.0	0.1	0.0	-0.1
2D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
Average	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
3D	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0

112 - D								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.1	3.7	3.5	18.9				
	26.2	3.7	3.6	18.9				
	26.1	3.7	3.5	18.9				
Average	26.1	3.7	3.5	18.9				
Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
1D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
Average	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
2D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
3D	26.2	3.6	3.7	18.9	0.0	0.1	-0.2	0.1
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0

112-E								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.1	3.7	3.5	18.9				
	26.2	3.7	3.6	18.9				
	26.1	3.7	3.5	18.9				
Average	26.1	3.7	3.5	18.9				
Infinity	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1
	26.2	3.7	3.6	18.9	0.0	0.0	-0.1	0.1
	26.2	3.7	3.6	18.9	0.0	0.0	-0.1	0.1
Average	26.1	3.7	3.6	18.9	0.0	0.0	0.0	0.0
1D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.5	3.7	18.9	0.0	0.2	-0.2	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
2D	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
	26.2	3.7	3.5	19.0	0.0	0.0	0.0	0.0
Average	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
3D	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.6	3.6	19.0	0.0	0.1	0.0	-0.1

	112 - F							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.1	3.7	3.5	18.9				
	26.2	3.7	3.6	18.9				
	26.1	3.7	3.5	18.9				
Average	26.1	3.7	3.5	18.9				
Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
Average	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
1D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
2D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
3D	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
Average	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1

			112 - G					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	26.1	3.7	3.5	18.9				
	26.2	3.7	3.6	18.9				
	26.1	3.7	3.5	18.9				
Average	26.1	3.7	3.5	18.9				
Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.2	3.7	3.6	18.9	0.0	0.0	-0.1	0.1
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
Average	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
1D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.5	3.6	19.0	0.0	0.2	-0.1	-0.1
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
Average	26.1	3.6	3.6	19.0	0.0	0.1	0.0	-0.1
2D	26.2	3.8	3.6	18.8	0.0	-0.1	-0.1	0.1
	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1
Average	26.2	3.7	3.6	18.9	0.0	0.0	0.0	0.0
3D	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
Average	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
112-A	Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	10	26.2	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
	20	26.2	3.5	3.7	19.0	0.0	0.2	-0.2	-0.1
	30	26.2	3.5	3.7	19.0	0.0	0.2	-0.1	0.0
112-B	Infinity	26.1	3.7	3.6	18.9	0.0	0.0	0.0	0.0
	10	26.2	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
	20	26.2	3.5	3.7	19.0	0.0	0.2	-0.1	0.0
	30	26.2	3.5	3.7	19.0	0.0	0.2	-0.1	0.0
112-C	Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	10	26.1	3.6	3.6	19.0	0.0	0.1	0.0	-0.1
	20	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
	30	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
112-D	Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	10	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
	20	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	30	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
112-E	Infinity	26.1	3.7	3.6	18.9	0.0	0.0	0.0	0.0
	10	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
	20	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
	30	26.1	3.6	3.6	18.9	0.0	0.1	-0.1	0.0
112-F	Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	10	26.1	3.6	3.6	18.9	0.0	0.1	0.0	0.0
	20	26.2	3.6	3.6	19.0	0.0	0.1	-0.1	0.0
	30	26.1	3.6	3.5	19.0	0.0	0.1	0.0	-0.1
112-G	Infinity	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0
	10	26.1	3.6	3.6	19.0	0.0	0.1	0.0	-0.1
	20	26.2	3.7	3.6	18.9	0.0	0.0	0.0	0.0
	30	26.1	3.7	3.5	18.9	0.0	0.0	0.0	0.0

113 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.9	3.6	3.2	18.1				
	24.9	3.6	3.3	18.0				
	24.9	3.6	3.2	18.1				
Average	24.9	3.6	3.2	18.0				
Infinity	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
	24.8	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
	24.8	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
Average	24.8	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
1D	24.9	3.4	3.3	18.2	0.0	0.2	-0.1	-0.1
	24.9	3.5	3.4	18.0	0.0	0.1	-0.2	0.1
	24.9	3.4	3.3	18.2	0.0	0.2	-0.1	-0.1
Average	24.9	3.4	3.3	18.1	0.0	0.2	-0.1	-0.1
2D	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
Average	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
3D	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
	24.9	3.2	3.5	18.2	0.0	0.4	-0.3	-0.1
	24.9	3.2	3.5	18.2	0.0	0.4	-0.3	-0.1
Average	24.9	3.2	3.5	18.2	0.0	0.4	-0.2	-0.1

113 - B								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.9	3.6	3.2	18.1				
	24.9	3.6	3.3	18.0				
	24.9	3.6	3.2	18.1				
Average	24.9	3.6	3.2	18.0				
Infinity	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
	24.8	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
Average	24.9	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
1D	24.9	3.4	3.3	18.2	0.0	0.2	-0.1	-0.1
	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	-0.1
	24.9	3.4	3.4	18.1	0.0	0.2	-0.2	0.0
Average	24.9	3.4	3.3	18.1	0.0	0.2	-0.1	-0.1
2D	24.9	3.3	3.5	18.1	0.0	0.3	-0.3	0.0
	24.9	3.4	3.4	18.1	0.0	0.2	-0.2	0.0
	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
Average	24.9	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1
3D	24.9	3.2	3.5	18.2	0.0	0.4	-0.3	-0.1
	24.8	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1
	24.9	3.3	3.5	18.1	0.0	0.3	-0.3	0.0
Average	24.9	3.3	3.5	18.1	0.0	0.3	-0.2	-0.1

113 - C								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.9	3.6	3.2	18.1				
	24.9	3.6	3.3	18.0				
	24.9	3.6	3.2	18.1				
Average	24.9	3.6	3.2	18.0				
Infinity	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.9	3.7	3.2	18.0	0.0	-0.1	0.0	0.1
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
Average	24.9	3.6	3.2	18.0	0.0	0.0	0.0	0.0
1D	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	~~3.4~~	~~3.4~~	17.9	0.0	0.0	-0.2	0.2
Average	24.9	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
2D	24.9	3.4	3.4	18.1	0.0	0.2	-0.2	0.0
	24.9	3.3	3.4	18.2	0.0	0.3	-0.1	-0.1
	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
Average	24.9	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1
3D	24.9	3.4	3.4	18.1	0.0	0.2	-0.2	0.0
	24.9	3.2	3.5	18.2	0.0	0.4	-0.3	-0.1
	24.8	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1
Average	24.9	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1

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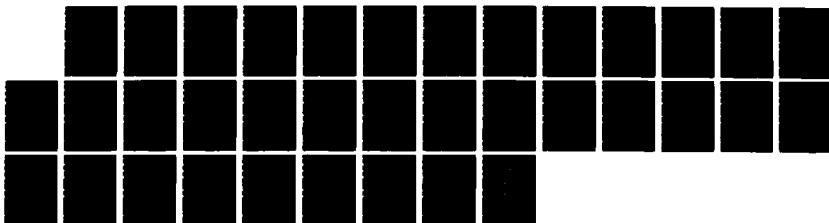
A-SCAN ULTRASOUND MEASUREMENT OF OCULAR CHANGES DURING
ACCOMMODATION(U) AIR FORCE INST OF TECH
WRIGHT-PATTERSON AFB OH D L SMITH APR 87
AFIT/CI/NR-87-42T

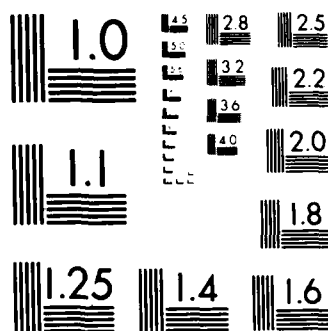
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

			113 - D					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.9	3.6	3.2	18.1				
	24.9	3.6	3.3	18.0				
	24.9	3.6	3.2	18.1				
Average	24.9	3.6	3.2	18.0				
Infinity	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
Average	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
1D	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
Average	24.9	3.5	3.3	18.1	0.0	0.1	0.0	0.0
2D	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.4	3.4	18.1	0.0	0.2	-0.2	-0.1
	24.8	3.4	3.3	18.1	0.0	0.2	-0.1	-0.1
Average	24.9	3.4	3.3	18.1	0.0	0.2	-0.1	-0.1
3D	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.8	3.4	3.4	18.0	0.0	0.2	-0.2	0.0
Average	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0

113 - E								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.9	3.6	3.2	18.1				
	24.9	3.6	3.3	18.0				
	24.9	3.6	3.2	18.1				
Average	24.9	3.6	3.2	18.0				
Infinity	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.9	3.5	3.2	18.2	0.0	0.1	0.0	-0.1
Average	24.9	3.6	3.3	18.0	0.0	0.0	0.0	0.0
1D	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.4	3.2	18.0	0.0	0.0	-0.1	0.1
Average	24.9	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
2D	24.9	3.5	3.4	18.0	0.0	0.1	-0.2	0.1
	24.8	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
	24.9	3.6	3.4	17.9	0.0	0.0	-0.2	0.2
Average	24.9	3.5	3.4	18.0	0.0	0.1	-0.1	0.1
3D	24.8	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
	24.8	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
	24.9	3.6	3.4	17.9	0.0	0.0	-0.2	0.2
Average	24.8	3.5	3.3	18.0	0.0	0.1	-0.1	0.0

113 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	24.9	3.6	3.2	18.1				
	24.9	3.6	3.3	18.0				
	24.9	3.6	3.2	18.1				
Average	24.9	3.6	3.2	18.0				
Infinity	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
Average	24.9	3.6	3.2	18.0	0.0	0.0	0.0	0.0
1D	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
Average	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
2D	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.8	3.7	3.2	17.9	0.0	-0.1	0.0	0.1
	24.8	3.6	3.2	18.0	0.0	0.0	0.0	0.0
Average	24.8	3.6	3.2	18.0	0.0	0.0	0.0	0.0
3D	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.8	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
Average	24.8	3.6	3.3	18.0	0.0	0.0	0.0	0.0

			113 - G					
	Tza	Tac	Tl	Tyc	ΔTza	ΔTac	ΔTl	ΔTyc
Cyclo	24.9	3.6	3.2	18.1				
	24.9	3.6	3.3	18.0				
	24.9	3.6	3.2	18.1				
Average	24.9	3.6	3.2	18.0				
Infinity	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
Average	24.9	3.6	3.2	18.0	0.0	0.0	0.0	0.0
1D	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.8	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
	24.8	3.6	3.2	17.9	0.0	0.0	-0.1	0.1
Average	24.8	3.6	3.3	18.0	0.0	0.0	0.0	0.0
2D	24.8	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
Average	24.9	3.6	3.3	18.0	0.0	0.0	0.0	0.0
3D	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	24.9	3.5	3.2	18.2	0.0	0.1	0.0	-0.1
	24.9	3.6	3.3	18.0	0.0	0.0	-0.1	0.1
Average	24.9	3.5	3.3	18.1	0.0	0.1	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
113-A	Infinity	24.6	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
	10	24.9	3.4	3.3	18.1	0.0	0.2	-0.1	-0.1
	20	24.9	3.3	3.4	18.2	0.0	0.3	-0.2	-0.1
	30	24.9	3.2	3.5	18.2	0.0	0.4	-0.2	-0.1
113-B	Infinity	24.9	3.5	3.2	18.1	0.0	0.1	0.0	-0.1
	10	24.9	3.4	3.3	18.1	0.0	0.2	-0.1	-0.1
	20	24.9	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1
	30	24.9	3.3	3.5	18.1	0.0	0.3	-0.2	-0.1
113-C	Infinity	24.9	3.6	3.2	18.0	0.0	0.0	0.0	0.0
	10	24.9	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
	20	24.9	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1
	30	24.9	3.3	3.4	18.1	0.0	0.3	-0.2	-0.1
113-D	Infinity	24.9	3.6	3.2	18.1	0.0	0.0	0.0	0.0
	10	24.9	3.5	3.3	18.1	0.0	0.1	0.0	0.0
	20	24.9	3.4	3.3	18.1	0.0	0.2	-0.1	-0.1
	30	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
113-E	Infinity	24.9	3.6	3.3	18.0	0.0	0.0	0.0	0.0
	10	24.9	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
	20	24.9	3.5	3.4	18.0	0.0	0.1	-0.1	0.1
	30	24.8	3.5	3.3	18.0	0.0	0.1	-0.1	0.0
113-F	Infinity	24.9	3.6	3.2	18.0	0.0	0.0	0.0	0.0
	10	24.9	3.5	3.3	18.1	0.0	0.1	-0.1	0.0
	20	24.8	3.6	3.2	18.0	0.0	0.0	0.0	0.0
	30	24.8	3.6	3.3	18.0	0.0	0.0	0.0	0.0
113-G	Infinity	24.9	3.6	3.2	18.0	0.0	0.0	0.0	0.0
	10	24.8	3.6	3.3	18.0	0.0	0.0	0.0	0.0
	20	24.9	3.6	3.3	18.0	0.0	0.0	0.0	0.0
	30	24.9	3.5	3.3	18.1	0.0	0.1	0.0	0.0

114 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cycle	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
Average	23.8	4.0	3.3	16.5				
Infinity	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
1D	23.8	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
	23.8	3.8	3.4	16.6	0.0	0.2	-0.1	-0.1
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
Average	23.8	3.8	3.4	16.5	0.0	0.2	-0.1	0.0
2D	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1
	23.8	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
Average	23.8	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
3D	23.8	3.7	3.6	16.5	0.0	0.3	-0.3	0.0
	23.8	3.8	3.6	16.4	0.0	0.2	-0.3	0.1
	23.8	3.6	3.5	16.7	0.0	0.4	-0.2	-0.2
Average	23.8	3.7	3.6	16.5	0.0	0.3	-0.3	0.0

114 - E								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
Average	23.8	4.0	3.3	16.5				
Infinity	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
1D	23.8	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
Average	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
2D	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1
	23.8	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
	23.8	3.6	3.4	16.8	0.0	0.4	-0.1	-0.3
Average	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1
3D	23.8	3.6	3.6	16.6	0.0	0.4	-0.3	-0.1
	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1
	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1
Average	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1

114 - C

	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
Average	23.8	4.0	3.3	16.5				
Infinity	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1
1D	23.8	3.8	3.4	16.6	0.0	0.2	-0.1	-0.1
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	23.8	3.8	3.3	16.7	0.0	0.2	0.0	-0.2
Average	23.8	3.8	3.4	16.6	0.0	0.2	-0.1	-0.1
2D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1
3D	23.8	3.8	3.4	16.6	0.0	0.2	-0.1	-0.1
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
Average	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0

			114 - D					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
Average	23.8	4.0	3.3	16.5				
Infinity	23.8	4.1	3.2	16.5	0.0	-0.1	0.1	0.0
	23.8	4.1	3.2	16.5	0.0	-0.1	0.1	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	4.1	3.2	16.5	0.0	-0.1	0.1	0.0
1D	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	23.8	3.9	3.4	16.7	0.0	0.2	0.0	-0.2
Average	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	-0.1
2D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	4.0	3.2	16.6	0.0	0.0	0.1	-0.1
	23.8	3.8	3.4	16.6	0.0	0.2	-0.1	-0.1
Average	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
3D	23.8	3.8	3.3	16.7	0.0	0.2	0.0	-0.2
	23.8	3.8	3.3	16.7	0.0	0.2	0.0	-0.2
	23.8	4.0	3.4	16.4	0.0	0.0	-0.1	0.1
Average	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1

			114 - E					
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
Average	23.8	4.0	3.3	16.5				
Infinity	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	3.9	3.2	16.7	0.0	0.1	0.1	-0.2
	23.8	4.0	3.2	16.6	0.0	0.0	0.1	-0.1
Average	23.8	4.0	3.2	16.6	0.0	0.0	0.1	-0.1
1D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
Average	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
2D	23.8	3.8	3.3	16.7	0.0	0.2	0.0	-0.2
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.2	16.6	0.0	0.0	0.1	-0.1
Average	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
3D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	3.9	3.2	16.7	0.0	0.1	0.1	-0.2
Average	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1

114 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
Average	23.8	4.0	3.3	16.5				
Infinity	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
1D	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
Average	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1
2D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
Average	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
3D	23.8	4.1	3.2	16.5	0.0	-0.1	0.1	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0

114 - G								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cycle	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
	23.8	4.0	3.3	16.5				
Average	23.8	4.0	3.3	16.5				
Infinity	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
10	23.8	4.1	3.2	16.5	0.0	-0.1	0.1	0.0
	23.8	4.0	3.2	16.6	0.0	0.0	0.1	-0.1
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	4.0	3.2	16.5	0.0	0.0	0.1	0.0
20	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	23.8	3.9	3.2	16.7	0.0	0.1	0.1	-0.2
Average	23.8	4.0	3.3	16.5	0.0	0.0	0.0	-0.1
30	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
Average	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
114-A	Infinity	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	1D	23.8	3.8	3.4	16.5	0.0	0.2	-0.1	0.0
	2D	23.8	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
	3D	23.8	3.7	3.6	16.5	0.0	0.3	-0.3	0.0
114-B	Infinity	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	1D	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	2D	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1
	3D	23.8	3.7	3.5	16.6	0.0	0.3	-0.2	-0.1
114-C	Infinity	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1
	1D	23.8	3.8	3.4	16.6	0.0	0.2	-0.1	-0.1
	2D	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1
	3D	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
114-D	Infinity	23.8	4.1	3.2	16.5	0.0	-0.1	0.1	0.0
	1D	23.8	3.9	3.4	16.5	0.0	0.1	-0.1	-0.1
	2D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	3D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
114-E	Infinity	23.8	4.0	3.2	16.6	0.0	0.0	0.1	-0.1
	1D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	2D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	3D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
114-F	Infinity	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	1D	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1
	2D	23.8	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	3D	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
114-G	Infinity	23.8	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	1D	23.8	4.0	3.2	16.5	0.0	0.0	0.1	0.0
	2D	23.8	4.0	3.3	16.5	0.0	0.0	0.0	-0.1
	3D	23.8	3.9	3.3	16.5	0.0	0.1	0.0	-0.1

115 - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
Average	23.1	4.0	3.4	15.7				
Infinity	23.2	4.0	3.5	15.7	0.0	0.0	-0.1	0.1
	23.2	4.0	3.5	15.7	0.0	0.0	-0.1	0.1
	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
Average	23.2	4.0	3.5	15.7	0.0	0.0	-0.1	0.0
1D	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
Average	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
2D	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0
	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
	23.1	3.9	3.7	15.5	0.0	0.1	-0.3	0.2
Average	23.1	3.9	3.6	15.6	0.0	0.1	-0.2	0.1
3D	23.2	3.7	3.8	15.7	0.0	0.3	-0.4	0.1
	23.2	3.8	3.7	15.7	0.0	0.2	-0.3	0.1
	23.2	3.8	3.6	15.8	0.0	0.2	-0.2	0.0
Average	23.2	3.8	3.7	15.7	0.0	0.2	-0.3	0.1

115 - B								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
Average	23.1	4.0	3.4	15.7				
Infinity	23.2	3.9	3.5	15.8	0.0	0.1	-0.1	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
1D	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
	23.2	3.8	3.5	15.9	0.0	0.2	-0.1	-0.1
	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
Average	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.0
2D	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0
	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0
Average	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0
3D	23.2	3.8	3.7	15.7	0.0	0.2	-0.3	0.1
	23.1	3.8	3.7	15.6	0.0	0.2	-0.3	0.1
	23.2	3.7	3.6	15.9	0.0	0.3	-0.2	-0.1
Average	23.1	3.8	3.7	15.7	0.0	0.2	-0.3	0.0

	115 - C							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
Average	23.1	4.0	3.4	15.7				
Infinity	23.1	3.9	3.3	15.9	0.0	0.1	0.1	-0.2
	23.2	4.0	3.4	15.8	0.0	0.0	0.0	0.0
	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
Average	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
1D	23.2	3.9	3.5	15.8	0.0	0.1	-0.1	0.0
	23.2	3.9	3.5	15.8	0.0	0.1	-0.1	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	23.1	3.9	3.5	15.7	0.0	0.1	-0.1	0.0
2D	23.1	3.8	3.5	15.8	0.0	0.2	-0.1	-0.1
	23.2	3.8	3.6	15.8	0.0	0.2	-0.2	0.0
	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
Average	23.2	3.8	3.6	15.8	0.0	0.2	-0.2	0.0
3D	23.2	3.9	3.5	15.8	0.0	0.1	-0.1	0.0
	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0
	23.2	3.8	3.6	15.8	0.0	0.2	-0.2	0.0
Average	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0

115 - D								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
Average	23.1	4.0	3.4	15.7				
Infinity	23.1	4.0	3.3	15.8	0.0	0.0	0.1	-0.1
	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	23.2	4.0	3.4	15.8	0.0	0.0	0.0	0.0
Average	23.1	4.0	3.4	15.8	0.0	0.0	0.0	-0.1
1D	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	23.1	3.9	3.3	15.9	0.0	0.1	0.1	-0.2
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
2D	23.2	3.8	3.5	15.9	0.0	0.2	-0.1	-0.1
	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
Average	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
3D	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
Average	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1

115 - E								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cycle	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
Average	23.1	4.0	3.4	15.7				
Infinity	23.1	3.9	3.3	15.9	0.0	0.1	0.1	-0.2
	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
	23.1	4.0	3.3	15.8	0.0	0.0	0.1	-0.1
Average	23.1	3.9	3.3	15.9	0.0	0.1	0.1	-0.1
1D	23.2	4.0	3.4	15.8	0.0	0.0	0.0	0.0
	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
Average	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
2D	23.2	3.8	3.5	15.9	0.0	0.2	-0.1	-0.1
	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
Average	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
3D	23.1	3.8	3.3	16.0	0.0	0.2	0.1	-0.3
	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
	23.2	3.9	3.5	15.8	0.0	0.1	-0.1	0.0
Average	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1

115 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTc	ΔT	ΔT
Cyclo	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
	23.1	4.0	3.4	15.7				
Average	23.1	4.0	3.4	15.7				
Infinity	23.2	4.0	3.5	15.7	0.0	0.0	-0.1	0.1
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
1D	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
2D	23.2	4.0	3.5	15.7	0.0	0.0	-0.1	0.1
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
3D	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	23.2	4.0	3.4	15.8	0.0	0.0	0.0	0.0
	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0

TABLE 1								
	T ₀	T ₁	T ₂	T ₃	ΔT ₀₁	ΔT ₁₂	ΔT ₂₃	ΔT ₀₃
1	27.1	4.0	3.4	15.7				
2	27.1	4.0	3.4	15.7				
3	27.1	4.0	3.4	15.7				
Average	27.1	4.0	3.4	15.7				
4	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
5	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
6	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
7	27.1	3.9	3.3	15.3	0.0	0.1	0.1	-0.1
8	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
9	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.4	15.5	0.0	0.0	0.0	0.0
10	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
11	27.1	3.9	3.3	15.3	0.0	0.0	0.0	0.0
12	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
13	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
14	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
15	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
16	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
Average	27.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
115-A	Infinity	23.2	4.0	3.5	15.7	0.0	0.0	-0.1	0.0
	10	23.1	3.9	3.6	15.7	0.0	0.1	-0.2	0.1
	20	23.1	3.9	3.6	15.6	0.0	0.1	-0.2	0.1
	30	23.2	3.8	3.7	15.7	0.0	0.2	-0.3	0.1
115-B	Infinity	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	10	23.2	3.9	3.6	15.7	0.0	0.1	-0.2	0.0
	20	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0
	30	23.1	3.8	3.7	15.7	0.0	0.2	-0.3	0.0
115-C	Infinity	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
	10	23.1	3.9	3.5	15.7	0.0	0.1	-0.1	0.0
	20	23.2	3.8	3.6	15.8	0.0	0.2	-0.2	0.0
	30	23.1	3.8	3.6	15.7	0.0	0.2	-0.2	0.0
115-D	Infinity	23.1	4.0	3.4	15.8	0.0	0.0	0.0	-0.1
	10	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	20	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	30	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
115-E	Infinity	23.1	3.9	3.3	15.9	0.0	0.1	0.1	-0.1
	10	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	20	23.1	3.9	3.4	15.8	0.0	0.1	0.0	-0.1
	30	23.2	3.9	3.4	15.9	0.0	0.1	0.0	-0.1
115-F	Infinity	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	10	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	20	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	30	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
115-G	Infinity	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	10	23.1	4.0	3.4	15.8	0.0	0.0	0.0	-0.1
	20	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0
	30	23.1	4.0	3.4	15.7	0.0	0.0	0.0	0.0

11E - A								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cycle	23.9	4.1	3.3	16.5				
	23.9	4.0	3.4	16.5				
	23.9	4.0	3.3	16.6				
Average	23.9	4.0	3.3	16.5				
Infinity	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	4.0	3.4	16.5	0.0	0.0	-0.1	0.0
	23.9	4.0	3.4	16.5	0.0	0.0	-0.1	0.0
Average	23.9	4.0	3.4	16.5	0.0	0.1	-0.1	0.0
10	23.9	3.9	3.5	16.5	0.0	0.1	-0.2	0.0
	23.9	4.0	3.5	16.4	0.0	0.0	-0.2	0.1
	23.9	4.0	3.5	16.4	0.0	0.0	-0.2	0.1
Average	23.9	4.0	3.5	16.4	0.0	0.1	-0.2	0.1
20	23.9	3.9	3.5	16.5	0.0	0.1	-0.2	0.0
	23.9	3.8	3.6	16.5	0.0	0.2	-0.3	0.0
	23.9	3.8	3.5	16.6	0.0	0.1	-0.2	-0.1
Average	23.9	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
30	23.9	3.8	3.6	16.5	0.0	0.2	-0.3	0.0
	23.9	3.8	3.6	16.5	0.0	0.2	-0.3	0.0
	23.9	3.9	3.6	16.4	0.0	0.1	-0.3	0.1
Average	23.9	3.8	3.6	16.4	0.0	0.2	-0.3	0.1

116 - E								
	Tza	Tac	Tl	Tyc	ΔTzs	ΔTac	ΔTl	ΔTyc
Cycle	23.9	4.1	3.3	16.5				
	23.9	4.0	3.4	16.5				
	23.9	4.0	3.3	16.6				
Average	23.9	4.0	3.3	16.5				
Infinity	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
Average	23.9	3.9	3.4	16.6	0.0	0.1	0.0	-0.1
10	23.9	4.1	3.4	16.4	0.0	-0.1	-0.1	0.1
	23.9	3.8	3.5	16.6	0.0	0.2	-0.2	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
20	23.9	3.8	3.5	16.6	0.0	0.2	-0.2	-0.1
	23.9	3.8	3.5	16.6	0.0	0.2	-0.2	-0.1
	23.9	3.8	3.5	16.6	0.0	0.2	-0.2	-0.1
Average	23.9	3.8	3.5	16.6	0.0	0.2	-0.2	-0.1
30	23.9	3.8	3.6	16.5	0.0	0.2	-0.3	0.0
	23.9	3.7	3.5	16.7	0.0	0.3	-0.2	-0.2
	23.9	3.8	3.6	16.5	0.0	0.2	-0.3	0.0
Average	23.9	3.8	3.6	16.5	0.0	0.3	-0.2	0.0

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	T _{2a}	T _{2b}	T ₁	T _{2c}	ΔT _{2a}	ΔT _{2b}	ΔT ₁	ΔT _{2c}
Cycle	23.9	4.1	3.3	16.5				
	23.9	4.0	3.4	16.5				
	23.9	4.0	3.3	16.6				
Average	23.9	4.0	3.3	16.5				
Infinit.	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	4.0	3.4	16.5	0.0	0.0	-0.1	0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	4.0	3.4	16.5	0.0	0.1	0.0	0.0
10	23.9	3.9	3.5	16.5	0.0	0.1	-0.2	0.0
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.5	16.5	0.0	0.1	-0.1	0.1
Average	23.9	3.9	3.5	16.5	0.0	0.1	-0.1	0.0
20	23.9	3.9	3.5	16.5	0.0	0.1	-0.2	0.0
	23.9	3.9	3.3	16.8	0.0	0.2	0.0	-0.3
	23.9	3.9	3.5	16.5	0.0	0.1	-0.1	0.1
Average	23.9	3.9	3.5	16.5	0.0	0.1	-0.1	0.0
30	23.9	3.8	3.5	16.6	0.0	0.2	-0.2	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.5	16.6	0.0	0.2	-0.2	-0.1
Average	23.9	3.8	3.5	16.6	0.0	0.2	-0.1	-0.1

116-I

	T _{2a}	T _{2c}	T ₁	T _{1c}	ΔT _{2a}	ΔT _{2c}	ΔT ₁	ΔT _{1c}
Cycle	23.9	4.1	3.3	16.5				
	23.9	4.0	3.4	16.5				
	23.9	4.0	3.3	16.6				
Average	23.9	4.0	3.3	16.5				
Infinit ₂	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	4.1	3.4	16.4	0.0	-0.1	-0.1	0.1
Average	23.9	4.0	3.3	16.5	0.0	0.0	0.0	0.0
10	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	3.9	3.4	16.5	0.0	0.1	-0.1	-0.1
20	23.9	3.8	3.4	16.7	0.0	0.2	-0.1	-0.2
	23.9	3.7	3.5	16.6	0.0	0.2	-0.2	-0.1
	23.9	3.7	3.5	16.7	0.0	0.2	-0.1	-0.1
Average	23.9	3.7	3.5	16.6	0.0	0.2	-0.1	-0.1
30	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1

118-E

	T ₂₉	T ₃₁	T ₁	T ₂₀	ΔT ₂₉	ΔT ₃₁	ΔT ₁	ΔT ₂₀
Cycle	23.9	4.1	3.3	16.5				
	27.9	4.0	3.4	16.5				
	23.9	4.0	3.3	16.6				
Average	23.9	4.0	3.3	16.5				
Initial	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
Average	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
10	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.3	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	0.0	-0.1
20	23.9	3.9	3.7	16.7	0.0	0.1	0.0	-0.2
	23.9	3.9	3.6	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.7	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.7	16.6	0.0	0.1	-0.1	-0.1
30	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	3.9	3.4	16.6	0.0	0.1	0.0	-0.1

116 - F								
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.9	4.1	3.3	16.5				
	23.9	4.0	3.4	16.5				
	23.9	4.0	3.3	16.6				
Average	23.9	4.0	3.3	16.5				
Infinity	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	4.0	3.4	16.5	0.0	0.0	-0.1	0.0
Average	23.9	4.0	3.3	16.5	0.0	0.0	0.0	0.0
1D	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
2D	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	4.0	3.4	16.5	0.0	0.0	-0.1	0.0
Average	23.9	4.0	3.4	16.5	0.0	0.1	0.0	0.0
3D	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1

	116 - G							
	Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
Cyclo	23.9	4.1	3.3	16.5				
	23.9	4.0	3.4	16.5				
	23.9	4.0	3.3	16.6				
Average	23.9	4.0	3.3	16.5				
Infinity	23.9	4.1	3.3	16.5	0.0	-0.1	0.0	0.0
	23.9	4.0	3.4	16.5	0.0	0.0	-0.1	0.0
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
Average	23.9	4.0	3.3	16.5	0.0	0.0	0.0	0.0
1D	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
Average	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
2D	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
Average	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
3D	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
	23.9	3.9	3.3	16.7	0.0	0.1	0.0	-0.2
Average	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1

		Averages							
		Tza	Tac	Tl	Tvc	ΔTza	ΔTac	ΔTl	ΔTvc
116-A	Infinity	23.9	4.0	3.4	16.5	0.0	0.1	-0.1	0.0
	1D	23.9	4.0	3.5	16.4	0.0	0.1	-0.2	0.1
	2D	23.9	3.8	3.5	16.5	0.0	0.2	-0.2	0.0
	3D	23.9	3.8	3.6	16.4	0.0	0.2	-0.3	0.1
116-B	Infinity	23.9	3.9	3.4	16.6	0.0	0.1	0.0	-0.1
	1D	23.9	3.9	3.4	16.5	0.0	0.1	-0.1	0.0
	2D	23.9	3.8	3.5	16.6	0.0	0.2	-0.2	-0.1
	3D	23.9	3.8	3.6	16.5	0.0	0.3	-0.2	0.0
116-C	Infinity	23.9	4.0	3.4	16.5	0.0	0.1	0.0	0.0
	1D	23.9	3.9	3.5	16.5	0.0	0.1	-0.1	0.0
	2D	23.9	3.9	3.4	16.6	0.0	0.2	-0.1	-0.1
	3D	23.9	3.8	3.5	16.6	0.0	0.2	-0.1	-0.1
116-D	Infinity	23.9	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	1D	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
	2D	23.9	3.8	3.4	16.6	0.0	0.2	-0.1	-0.1
	3D	23.9	3.9	3.4	16.6	0.0	0.1	-0.1	-0.1
116-E	Infinity	23.9	4.0	3.3	16.6	0.0	0.0	0.0	-0.1
	1D	23.9	3.9	3.4	16.6	0.0	0.1	0.0	-0.1
	2D	23.9	3.9	3.4	16.6	0.0	0.1	0.0	-0.1
	3D	23.9	3.9	3.4	16.6	0.0	0.1	0.0	-0.1
116-F	Infinity	23.9	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	1D	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	2D	23.9	4.0	3.4	16.5	0.0	0.1	0.0	0.0
	3D	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
116-G	Infinity	23.9	4.0	3.3	16.5	0.0	0.0	0.0	0.0
	1D	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	2D	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1
	3D	23.9	3.9	3.3	16.6	0.0	0.1	0.0	-0.1

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