

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered on the slide.

DIFFERENT WAVE APPLICATIONS FOR DIFFERENT MYOPES

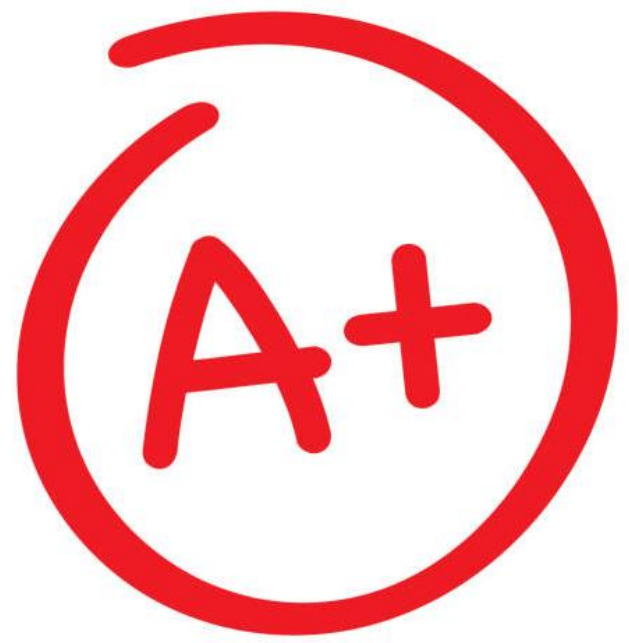
MATTHEW WANG, O.D.

AFFILIATIONS

- WAVE CONTACT LENSES
- BAUSCH & LOMB
- ALCON
- SCCO @ MBKU



'DA BOMB!



ET TU?



- BASE CURVE
- REVERSE CURVE
- ALIGNMENT CURVE
 - EDGE LIFT
 - OAD
 - OZ WIDTH
 - RC WIDTH

- AC WIDTH
- JUNCTION BLEND
 - R-SYM
 - G-SYM
 - FREE FORM
 - ASPHERIC BC
- TORIC BASE CURVE

- OZ DECENTRATION
 - MATERIAL
- CORNEO-SCLERAL
 - F1 POWER

- DIAMETERS
- ZONE WIDTHS
- SHAPE FACTOR

CASE 1

- 34 Y/O AA MALE

CASE 1

- 34 Y/O AA MALE
- H/O DAYTIME ORTHO K

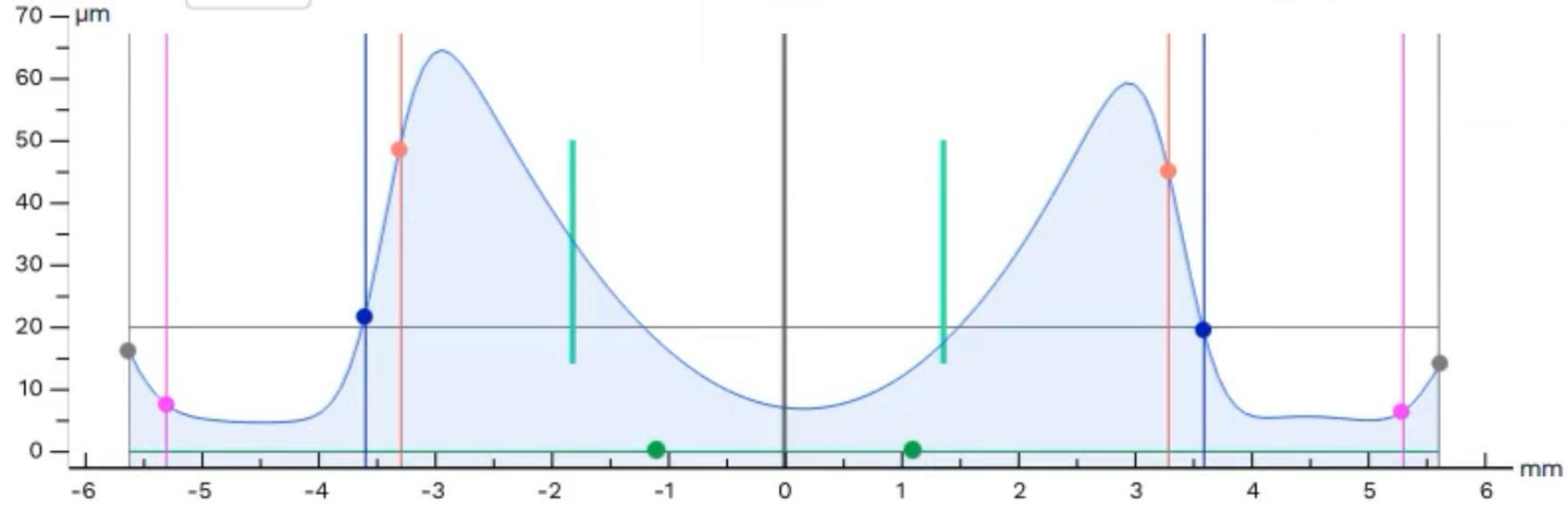
CASE 1

- 34 Y/O AA MALE
- H/O DAYTIME ORTHO K
- -300 DS

Tearfilm

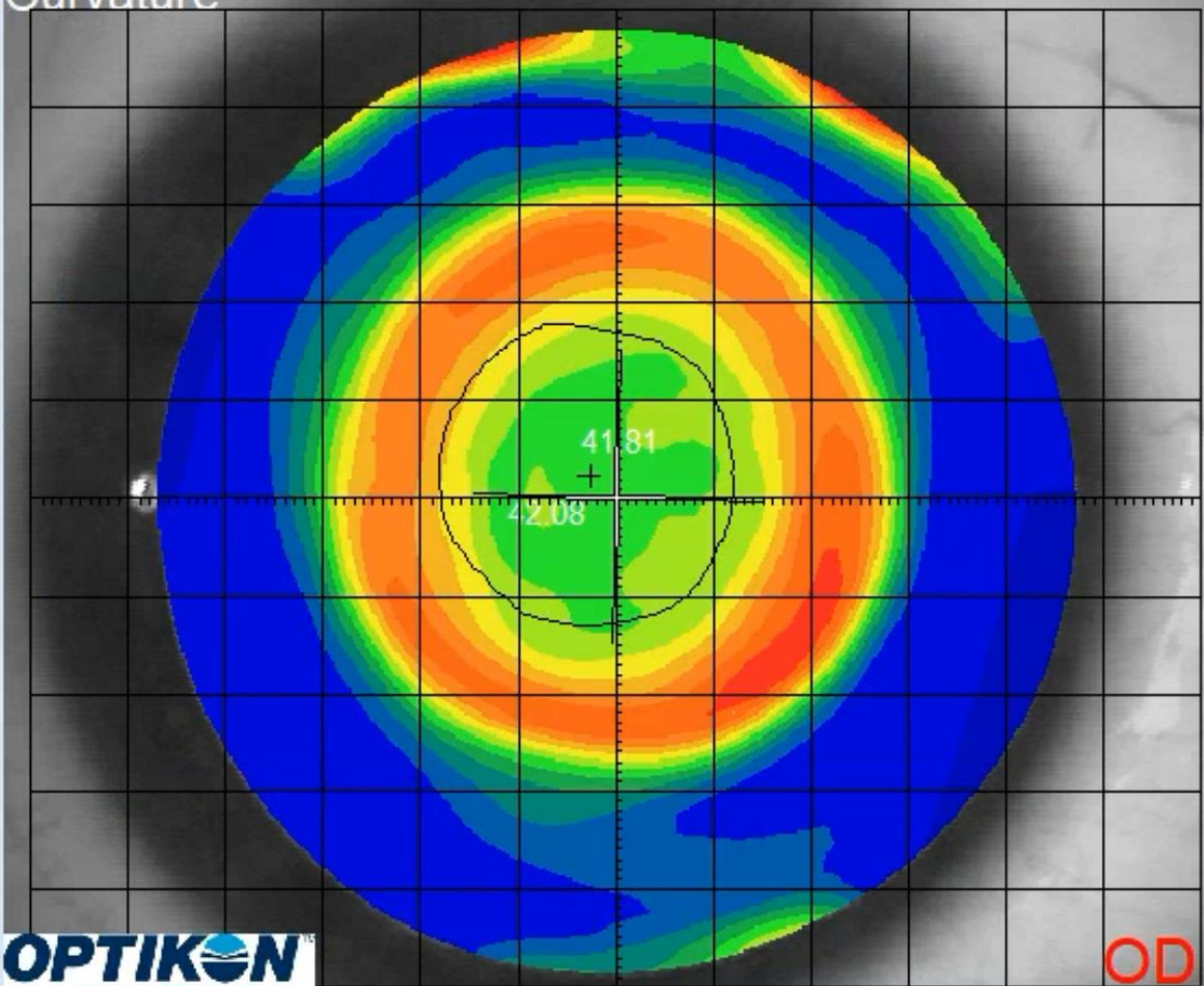
70 ▼

Tear Layer Mode: Axial ⓘ



| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|-------|------|------|-------------------|------|------|-------|--------|
| TL (µm) | 16.0 | 7.3 | 21.5 | 48.3 | 6.8 | 44.7 | 19.3 | 6.0 | 14.0 |
| SAG (µm) | 2265 | 2006 | 878 | 705 | 0 | 705 | 878 | 2006 | 2265 |
| DIA (mm) | 11.26 | 10.60 | 7.20 | 6.60 | 0 | 6.60 | 7.20 | 10.60 | 11.26 |

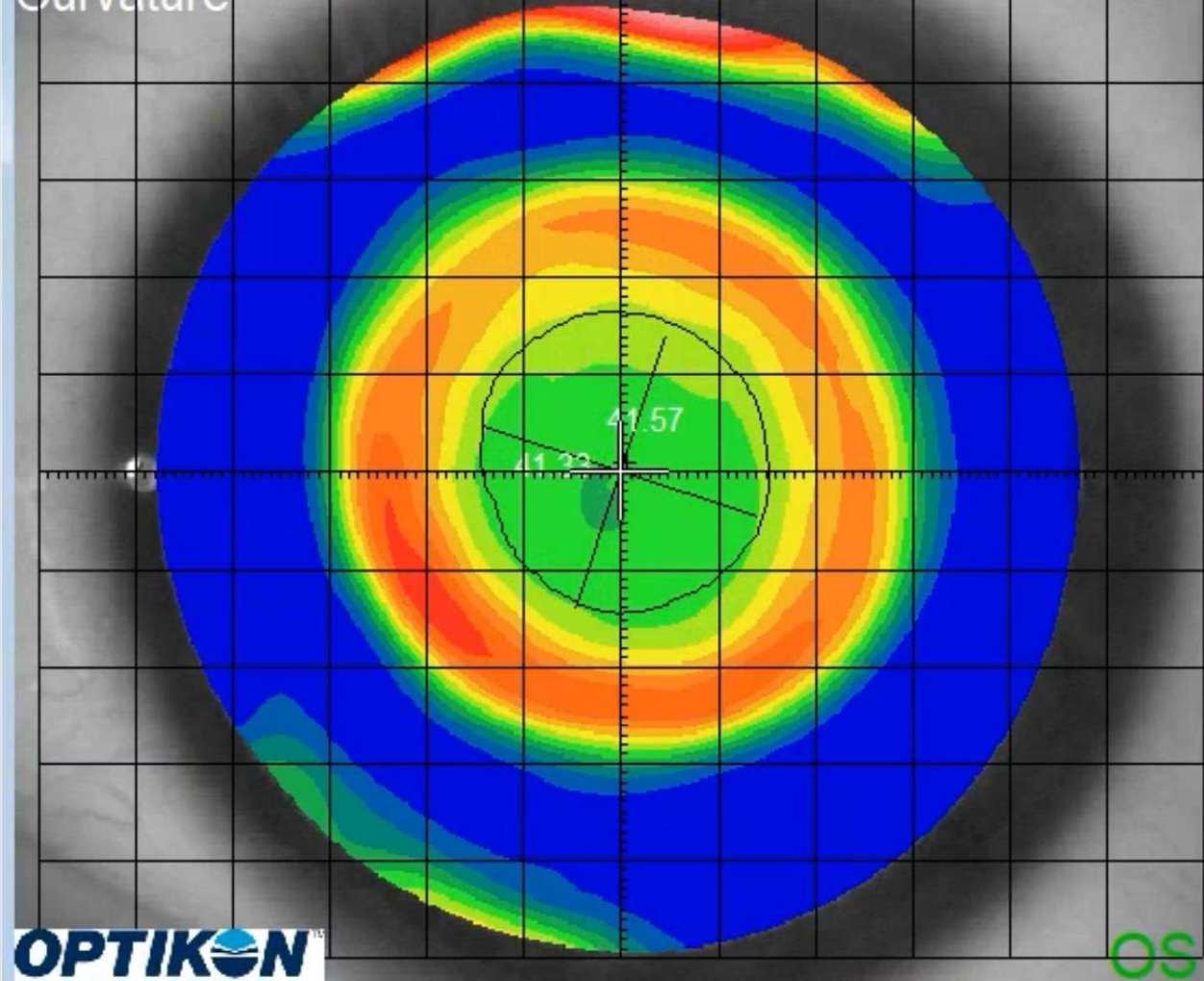
Curvature



OD

OPTIKON
Man and Technology

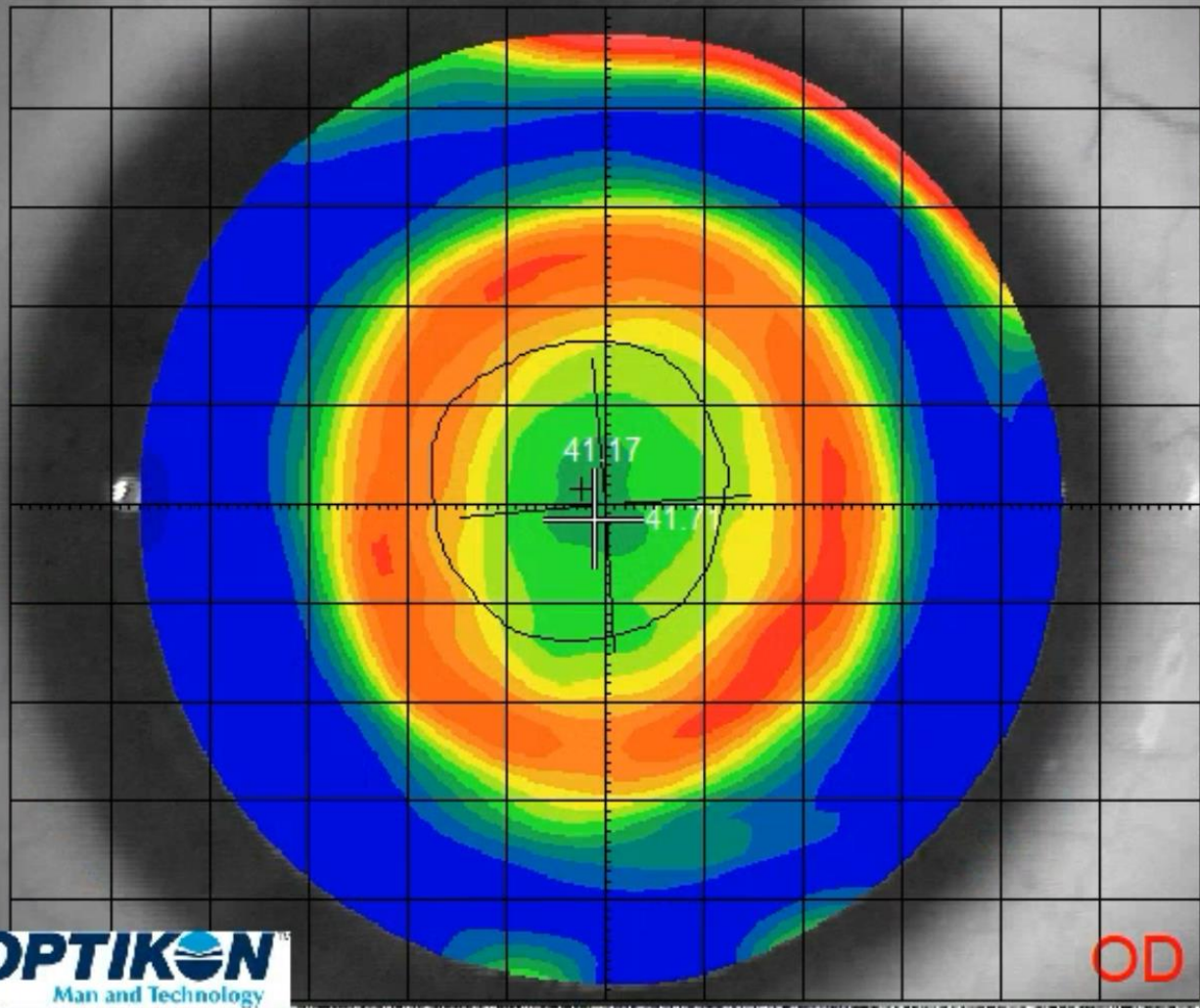
Curvature



OS

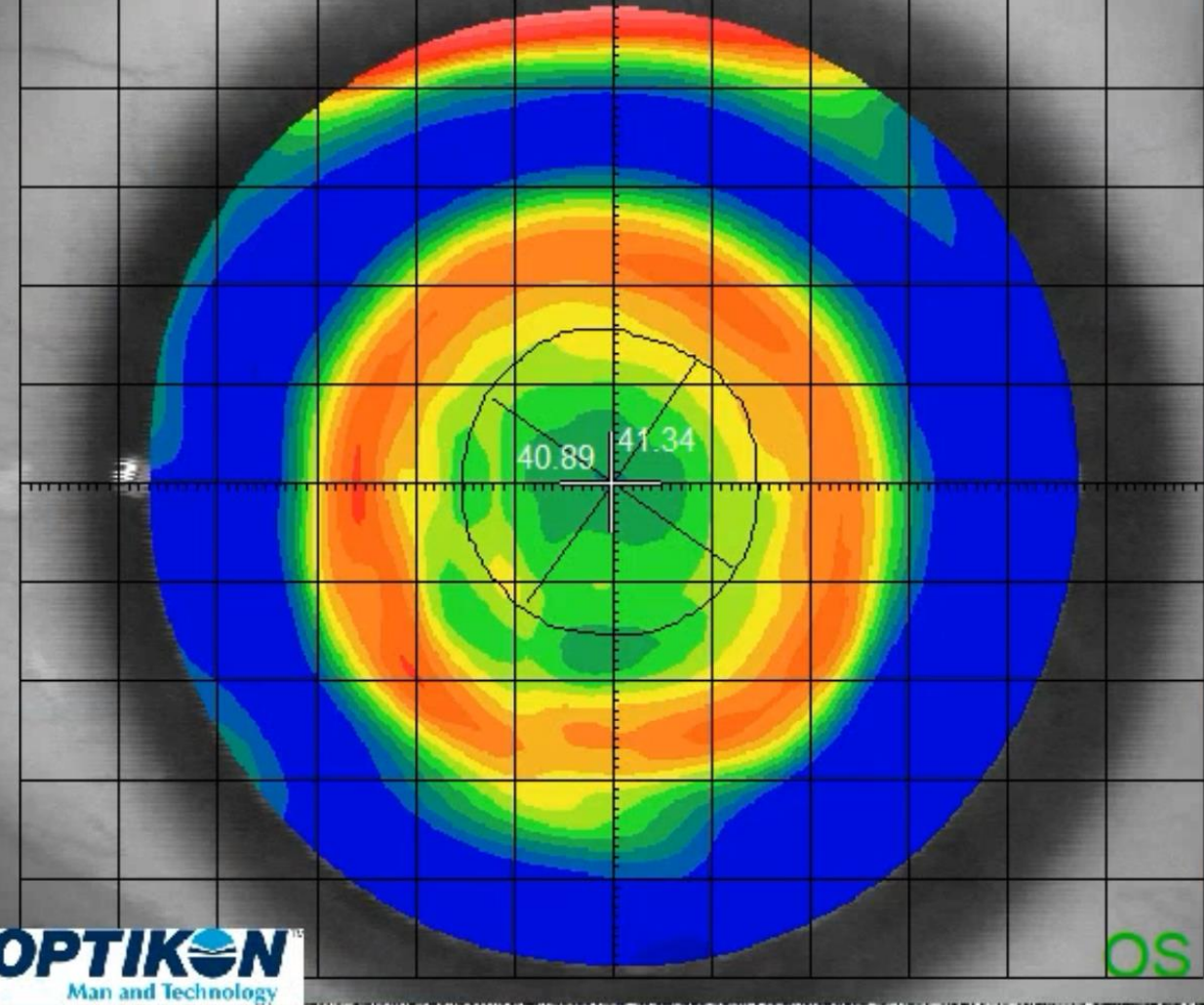
OPTIKON
Man and Technology

Curvature



OPTIKON
Man and Technology

Curvature

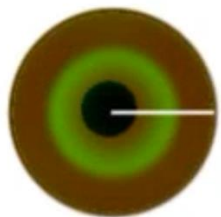


OPTIKON
Man and Technology

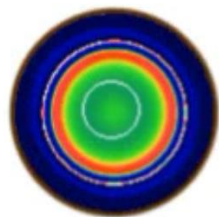
Map

Quad View ▼

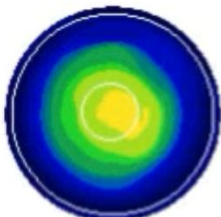
Fluorescein Map



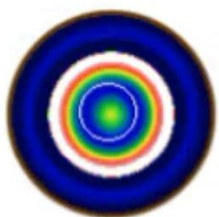
Curvature Front



Topography



Curvature Back



K = 7.64

FForm

GSym

.34D x 091

Manual Modification

ALL 1/2 1/4

Modification Increments

S (D)

1x

+0.20

MB

Modification Area



OR_x

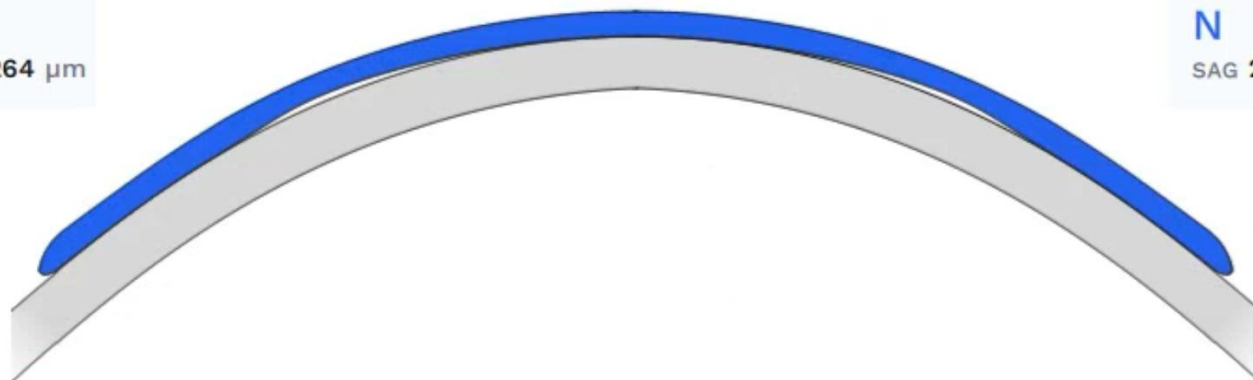
Lens Profile



CT (mm) 0.24 ET (mm) 0.26 OAD (mm) 11.60

T
SAG 2264 μm

N
SAG 2264 μm



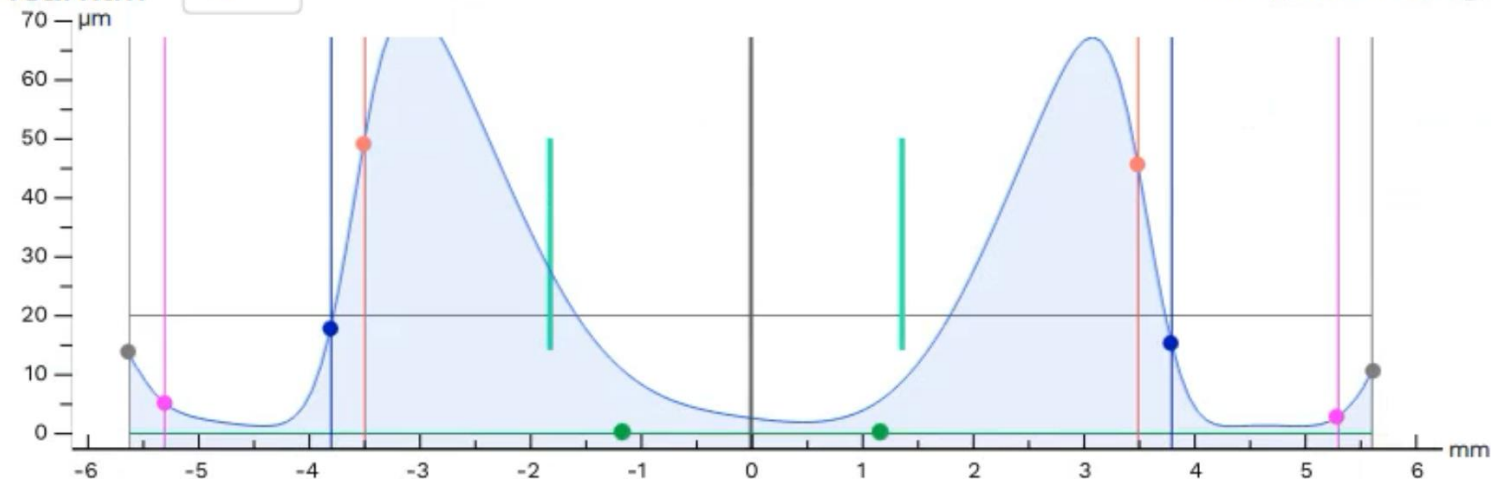
DEMAND 5.44 / 5.27D POWER +2.33D BASE CURVE 8.68mm



Tearfilm

70 ▼

Tear Layer Mode: Axial i

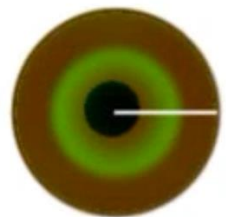


| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|-------|------|------|-------------------|------|------|-------|--------|
| TL (μm) | 13.6 | 4.9 | 17.5 | 48.9 | 2.3 | 45.5 | 15.6 | 2.4 | 10.4 |
| SAG (μm) | 2264 | 2004 | 984 | 796 | 0 | 796 | 984 | 2004 | 2264 |
| DIA (mm) | 11.26 | 10.60 | 7.60 | 7.00 | 0 | 7.00 | 7.60 | 10.60 | 11.26 |

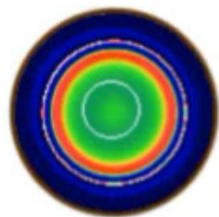
Map

Quad View

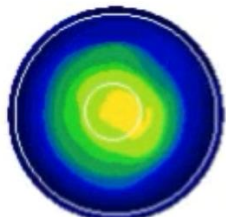
Fluorescein Map



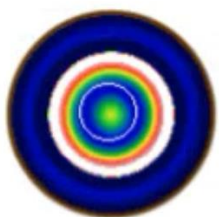
Curvature Front



Topography



Curvature Back



K = 7.64

FForm

GSym

.34D x 091

Manual Modification

ALL

1/2

1/4

Modification Increments

S

(0)

1x

+0.20

MB

Modification Area



ORx

Lens Profile



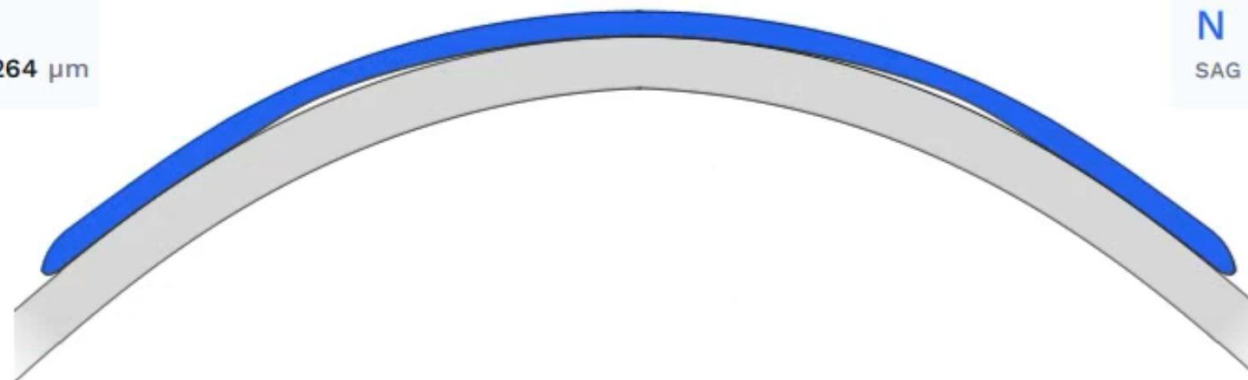
OD

OS

CT (mm) 0.24 ET (mm) 0.26 OAD (mm) 11.60

T SAG 2264 μm

N SAG 2264 μm

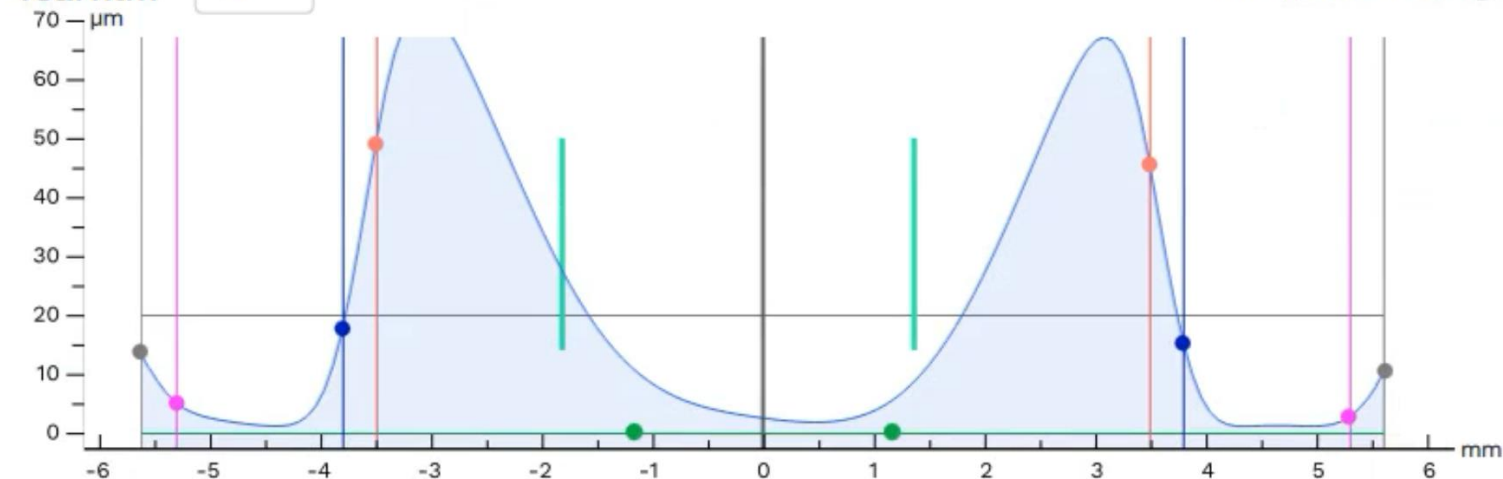


DEMAND 5.44 / 5.27D POWER +2.33D BASE CURVE 8.68mm

Tearfilm

70

Tear Layer Mode: Axial

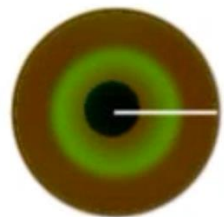


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|-------|------|------|-------------------|------|------|-------|-------|
| TL (μm) | 13.6 | 4.9 | 17.5 | 48.9 | 2.3 | 45.5 | 15.6 | 2.4 | 10.4 |
| SAG (μm) | 2264 | 2004 | 984 | 796 | 0 | 796 | 984 | 2004 | 2264 |
| DIA (mm) | 11.26 | 10.60 | 7.60 | 7.00 | 0 | 7.00 | 7.60 | 10.60 | 11.26 |

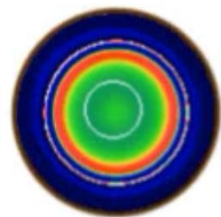
Map

Quad View

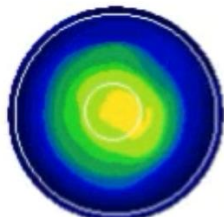
Fluorescein Map



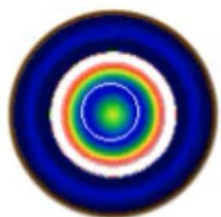
Curvature Front



Topography



Curvature Back



K = 7.64

FForm

GSym

.34D x 091

Manual Modification

ALL

1/2

1/4

Modification Increments

S

(D)

1x

+0.20

MB

Modification Area



OR_x

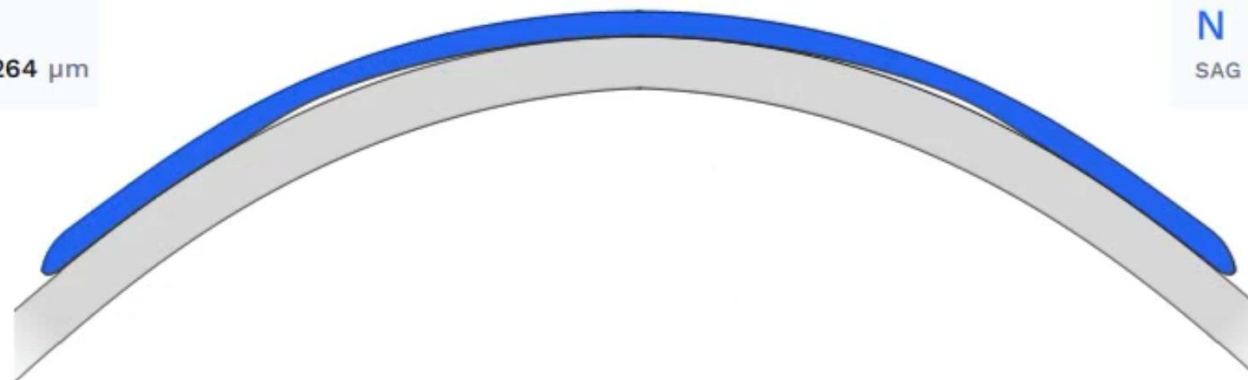
Lens Profile



CT (mm) 0.24 ET (mm) 0.26 OAD (mm) 11.60

T
SAG 2264 μm

N
SAG 2264 μm

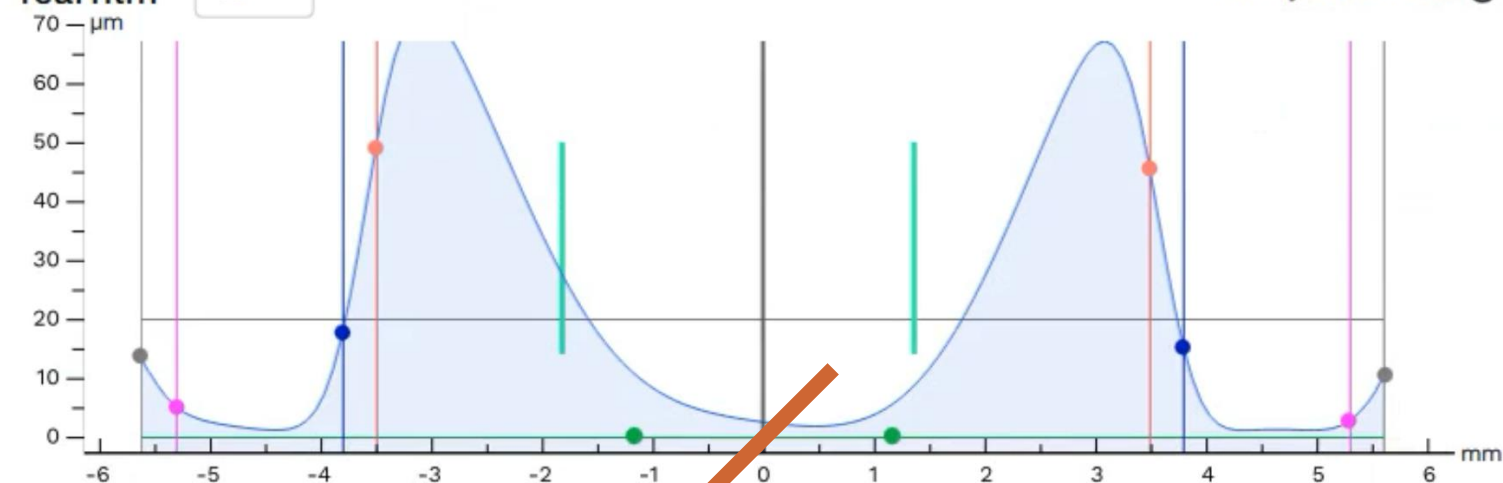


DEMAND 5.44 / 5.27D POWER +2.33D BASE CURVE 8.68mm

Tearfilm

70

Tear Layer Mode: Axial

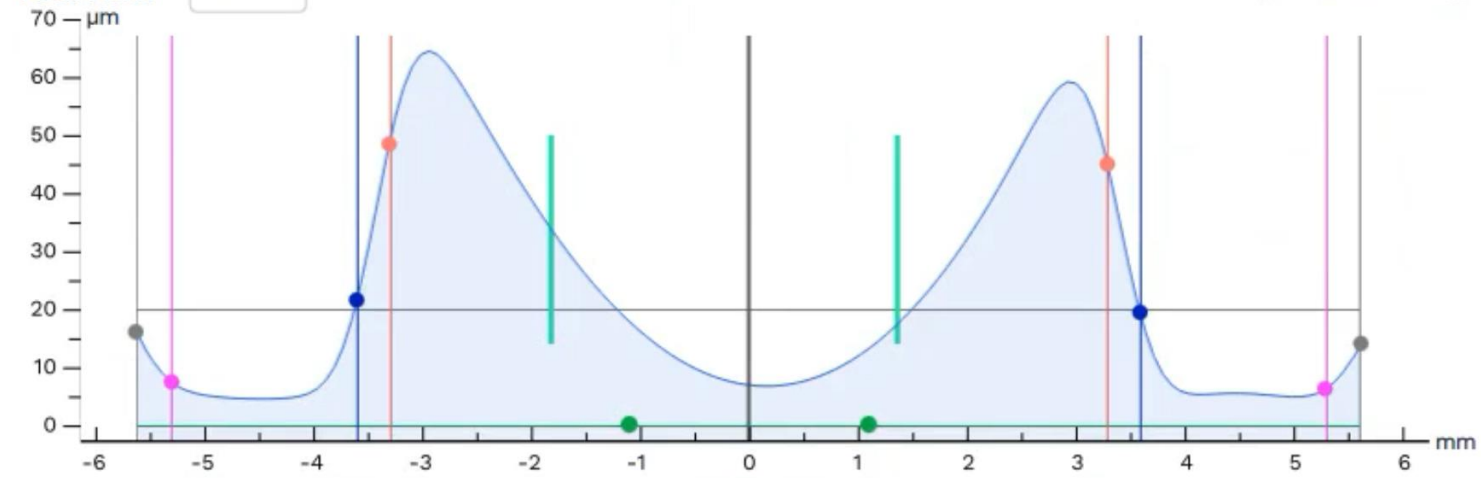


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|-------|------|------|-------------------|------|------|-------|-------|
| TL (μm) | 13.6 | 4.9 | 17.5 | 48.9 | 2.3 | 45.5 | 15.6 | 2.4 | 10.4 |
| SAG (μm) | 2264 | 2004 | 984 | 796 | 0 | 796 | 984 | 2004 | 2264 |
| DIA (mm) | 11.26 | 10.60 | 7.60 | 7.00 | 0 | 7.00 | 7.60 | 10.60 | 11.26 |

Tearfilm

70 ▾

Tear Layer Mode: Axial ⓘ

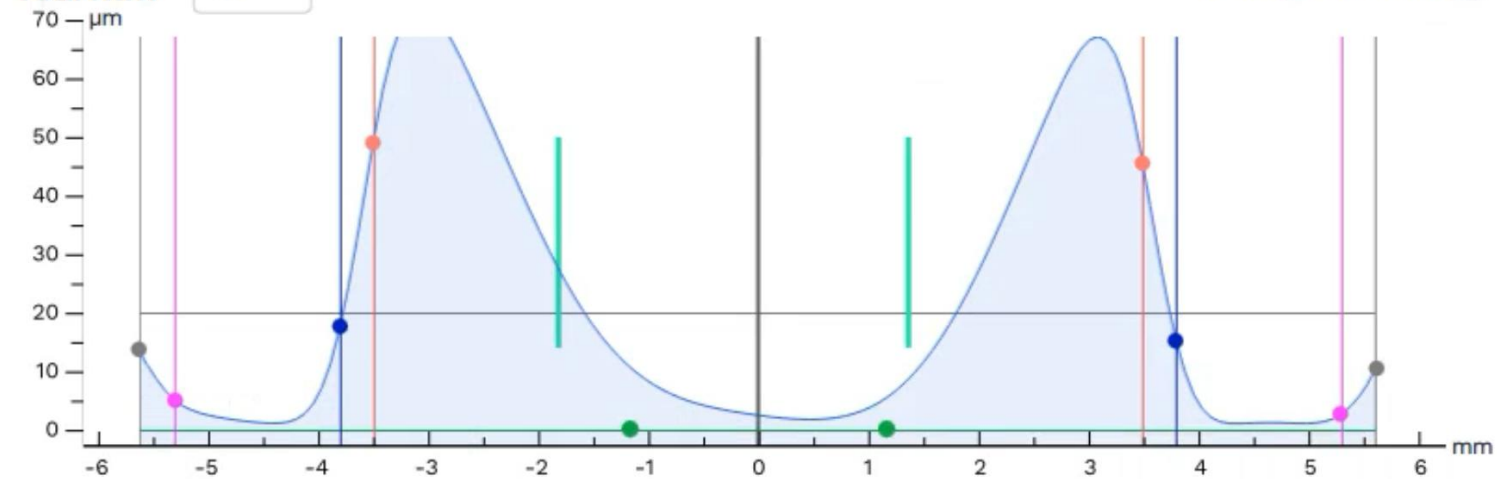


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|-------|------|------|-------------------|------|------|-------|-------|
| TL (μm) | 16.0 | 7.3 | 21.5 | 48.3 | 6.8 | 44.7 | 19.3 | 6.0 | 14.0 |
| SAG (μm) | 2265 | 2006 | 878 | 705 | 0 | 705 | 878 | 2006 | 2265 |
| DIA (mm) | 11.26 | 10.60 | 7.20 | 6.60 | 0 | 6.60 | 7.20 | 10.60 | 11.26 |

Tearfilm

70 ▾

Tear Layer Mode: Axial ⓘ

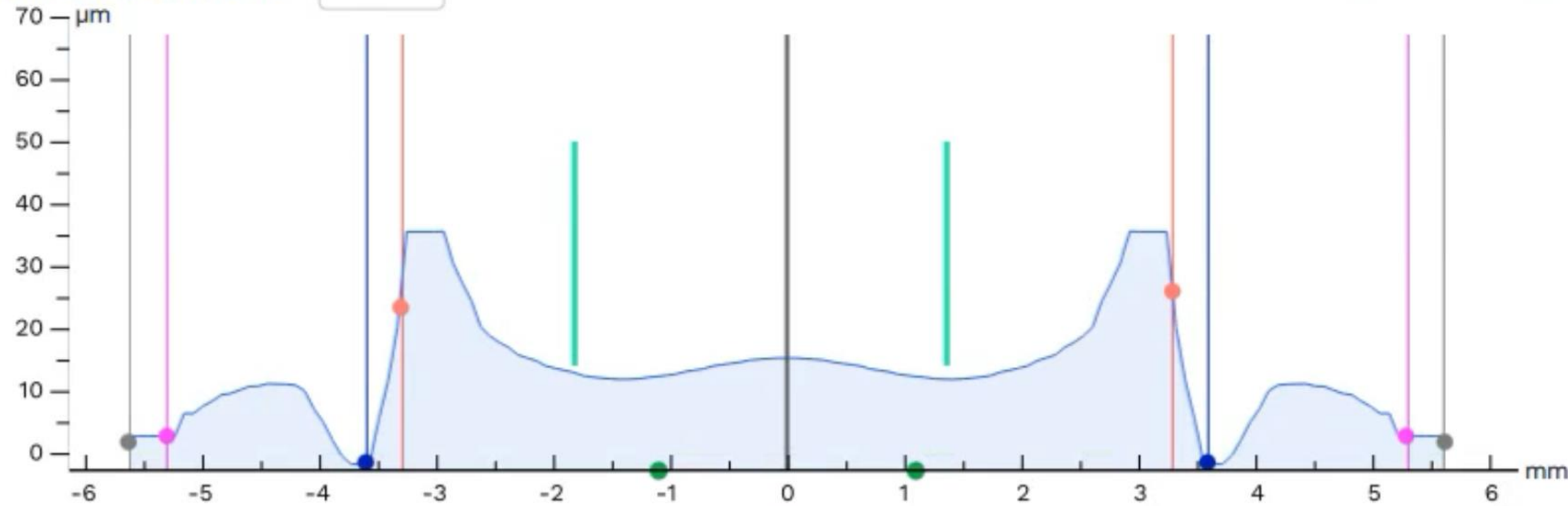


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|-------|------|------|-------------------|------|------|-------|-------|
| TL (μm) | 13.6 | 4.9 | 17.5 | 48.9 | 2.3 | 45.5 | 15.6 | 2.4 | 10.4 |
| SAG (μm) | 2264 | 2004 | 984 | 796 | 0 | 796 | 984 | 2004 | 2264 |
| DIA (mm) | 11.26 | 10.60 | 7.60 | 7.00 | 0 | 7.00 | 7.60 | 10.60 | 11.26 |

Curvature Back

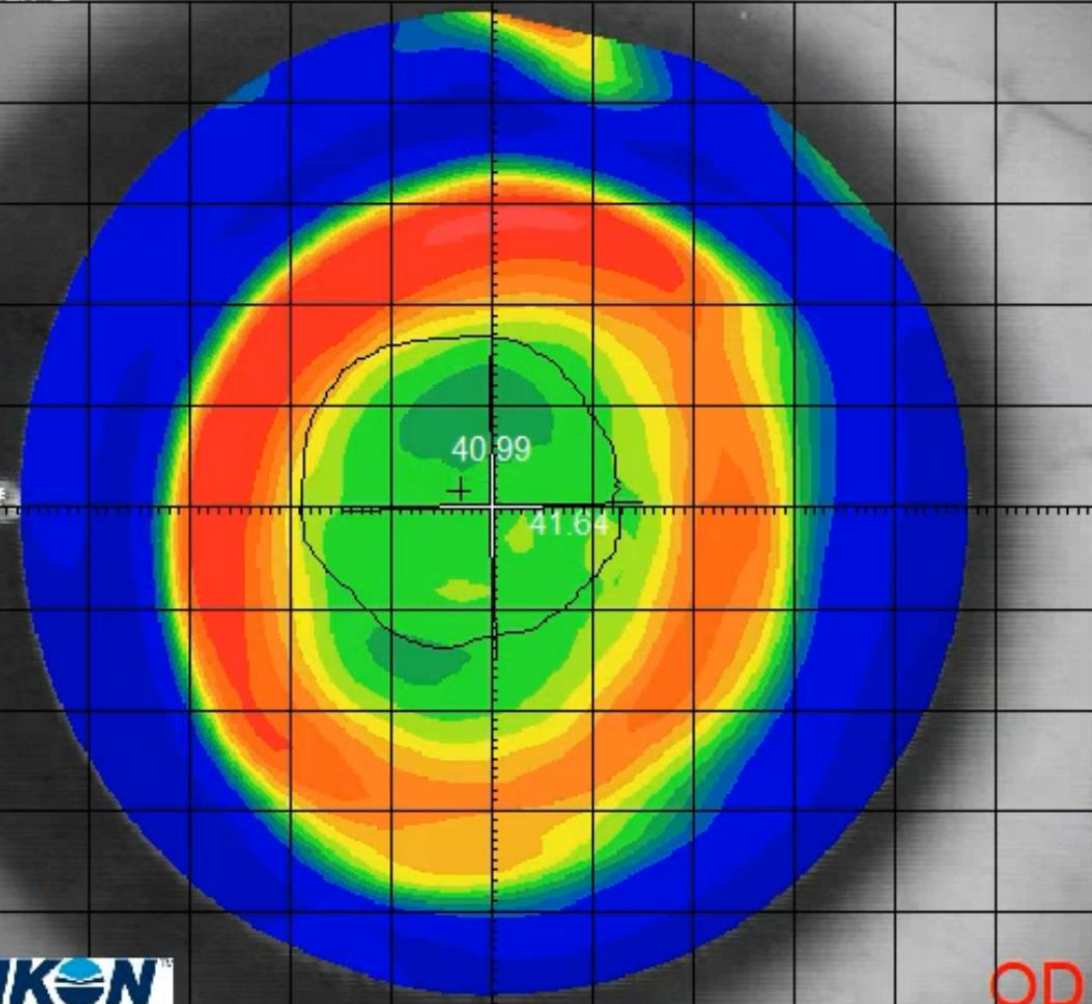
70 ▾

Tear Layer Mode: Axial ⓘ



| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|-------|------|------|-------------------|------|------|-------|-------|
| TL (µm) | 16.4 | 7.6 | 18.6 | 44.5 | 3.5 | 41.9 | 17.6 | 7.9 | 16.0 |
| SAG (µm) | 2261 | 2001 | 877 | 705 | 0 | 705 | 877 | 2001 | 2261 |
| DIA (mm) | 11.26 | 10.60 | 7.20 | 6.60 | 0 | 6.60 | 7.20 | 10.60 | 11.26 |

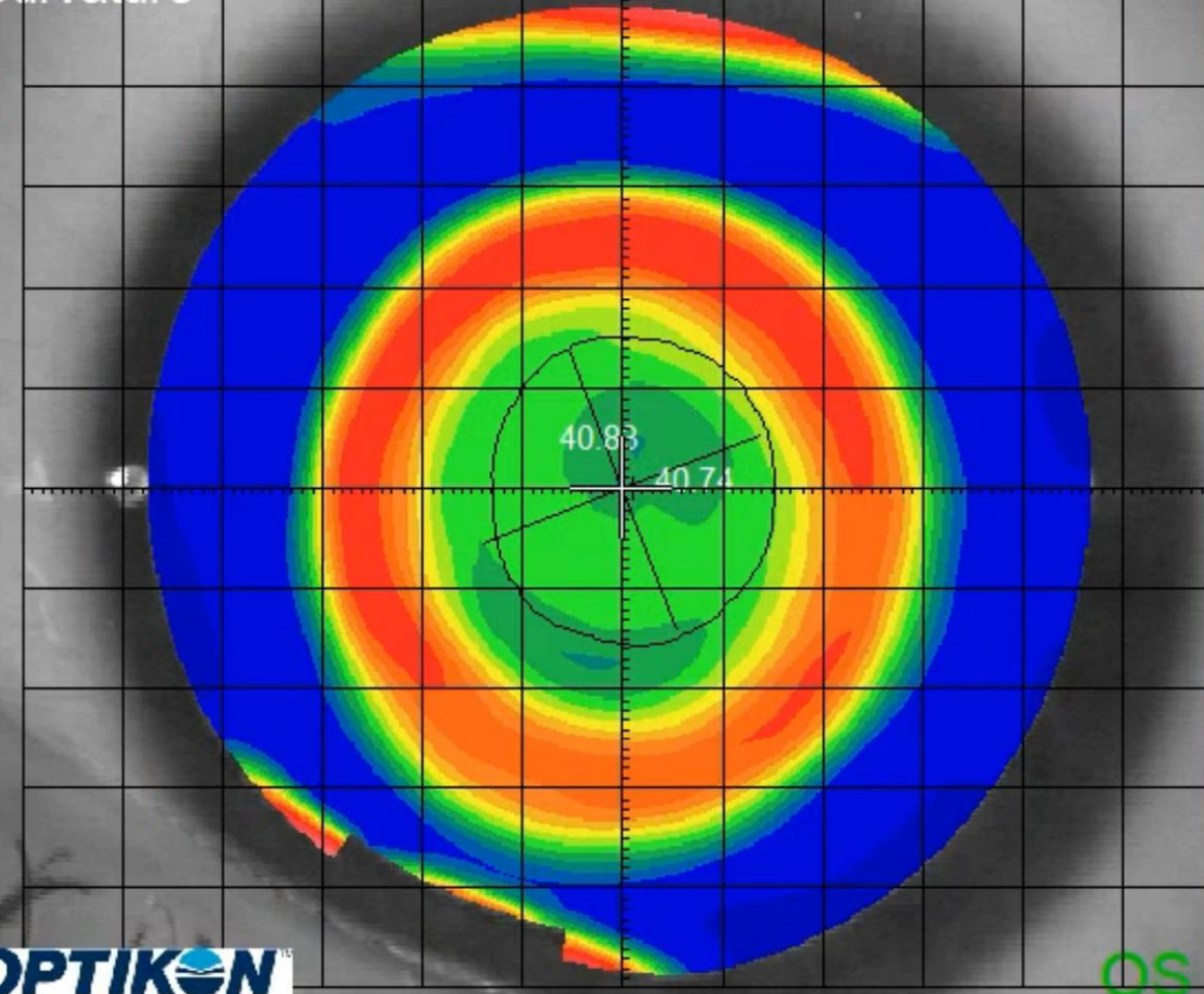
Curvature



OD

OPTIKON
Man and Technology

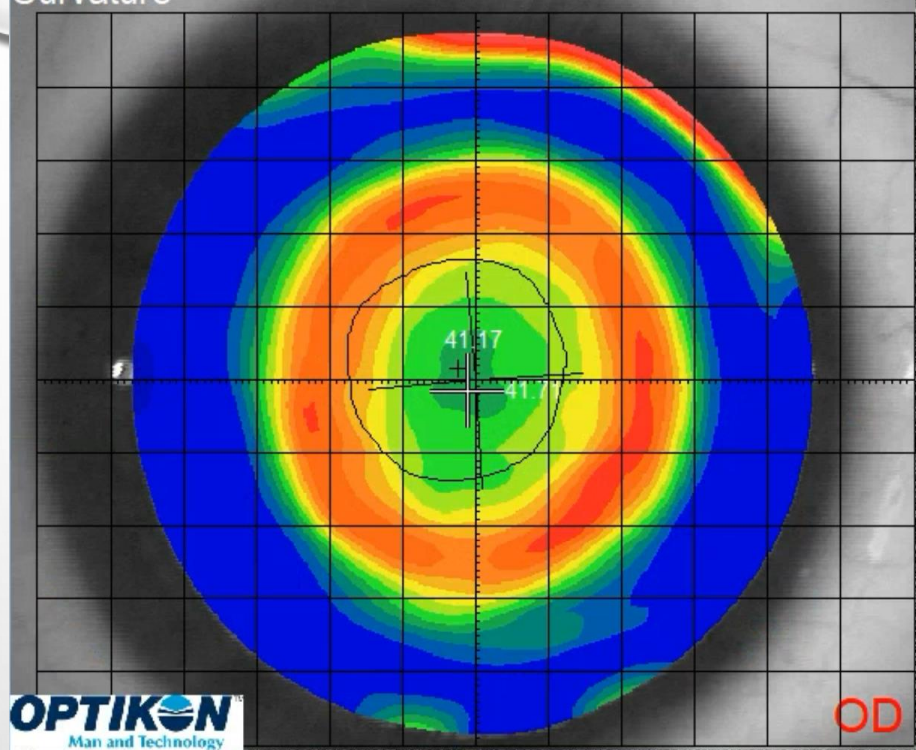
Curvature



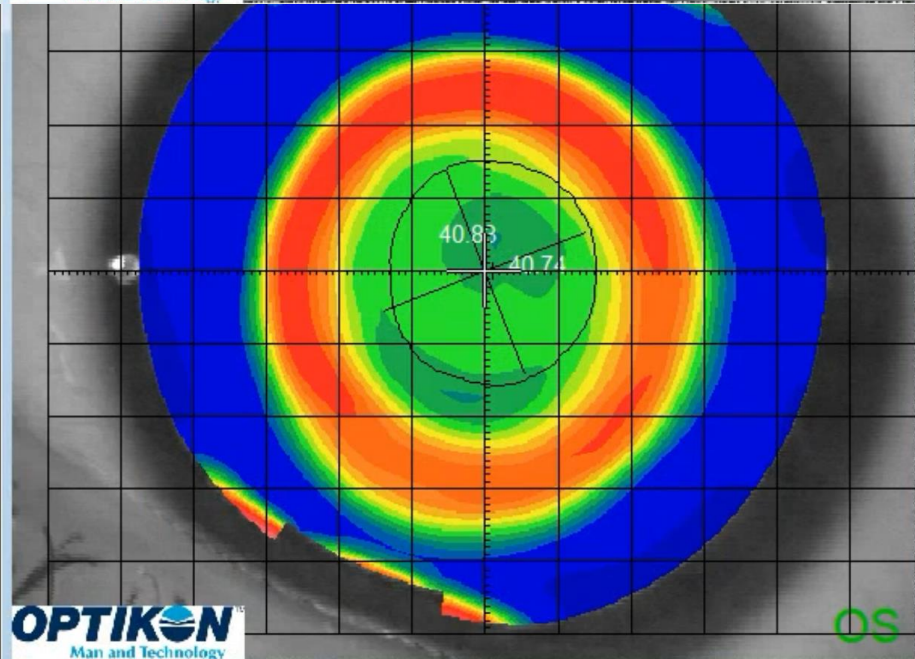
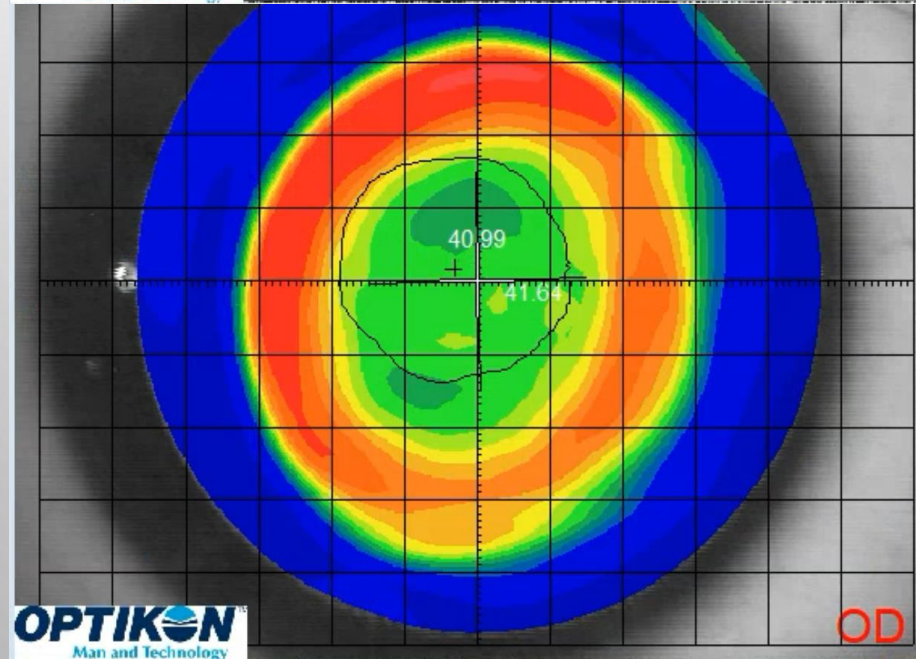
OS

OPTIKON
Man and Technology

Curvature



Curvature



CASE 1 - SUMMARY

- HALOES

CASE 1 - SUMMARY

- HALOES
- MAXIMIZE OZ

CASE 1 - SUMMARY

- HALOES
- MAXIMIZE OZ
- +0.20 SHAPE FACTOR

CASE 2

- ASIAN MALE

CASE 2

- ASIAN MALE
- AGE 5: +050 DS

CASE 2

- ASIAN MALE
- AGE 5: +050 DS
- AGE 6: PLO DS

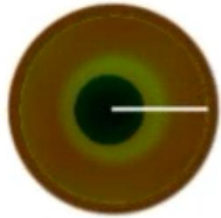
CASE 2

- ASIAN MALE
- AGE 5: +050 DS
- AGE 6: PLO DS
- AGE 8: -100 DS

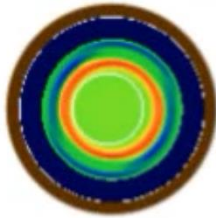
Map AVG

Quad View ▼

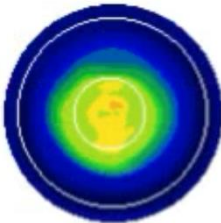
Fluorescein Map



Curvature Front



Topography



Curvature Back



K = 7.63

FForm

GSym

1.12D x 178

Manual Modification

ALL

1/2

1/4

Modification Increments

S

(D)

1x

0.00

MB

Modification Area



ORx

Lens Profile



CT (mm) ET (mm) OAD (mm)

0.18

0.30

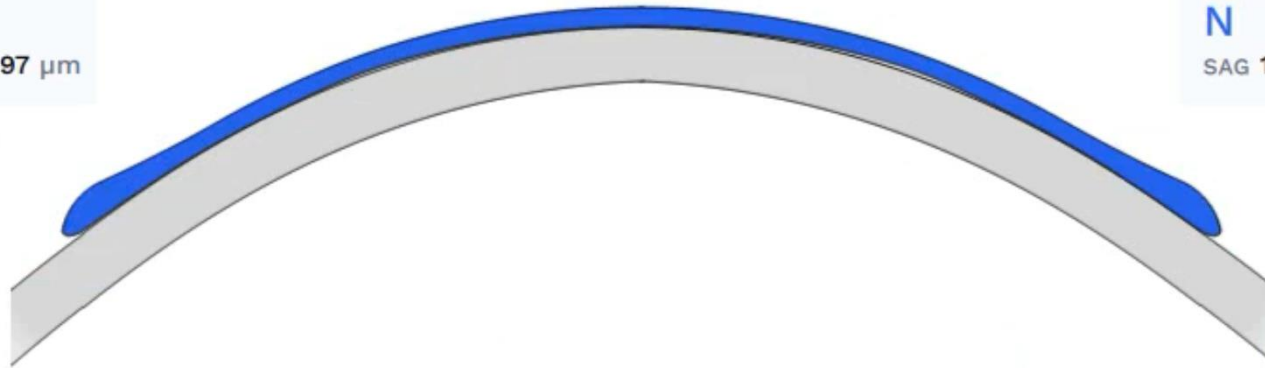
10.80

T

SAG 1897 μm

N

SAG 1897 μm



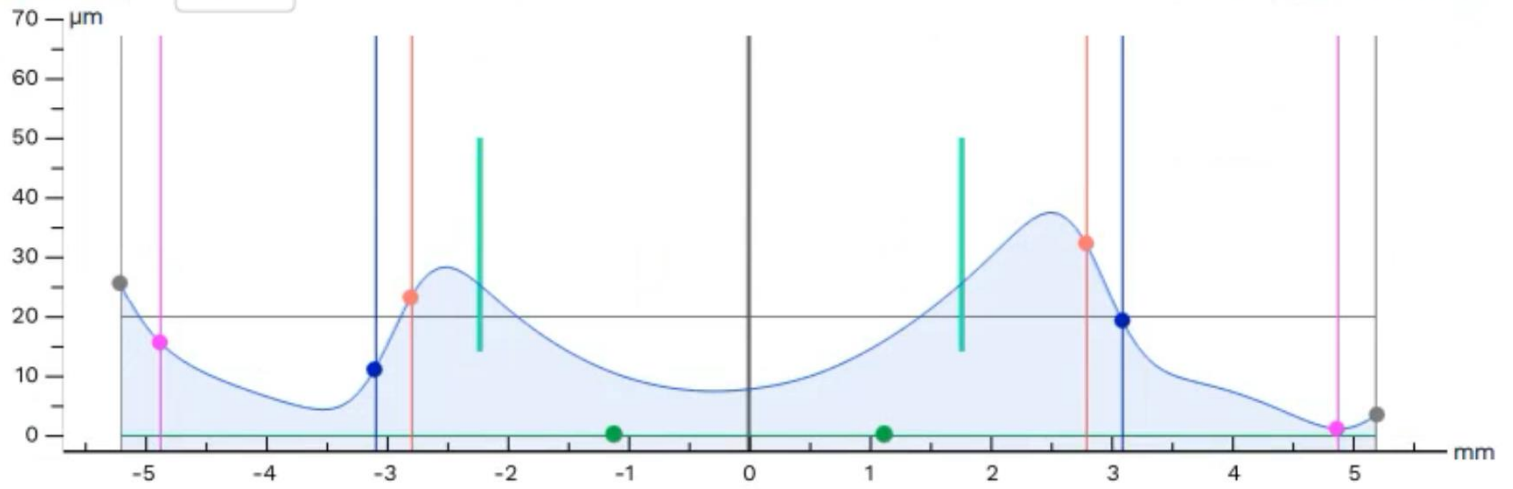
DEMAND 3.38 / 2.82D POWER +2.24D BASE CURVE 8.24mm



Tearfilm

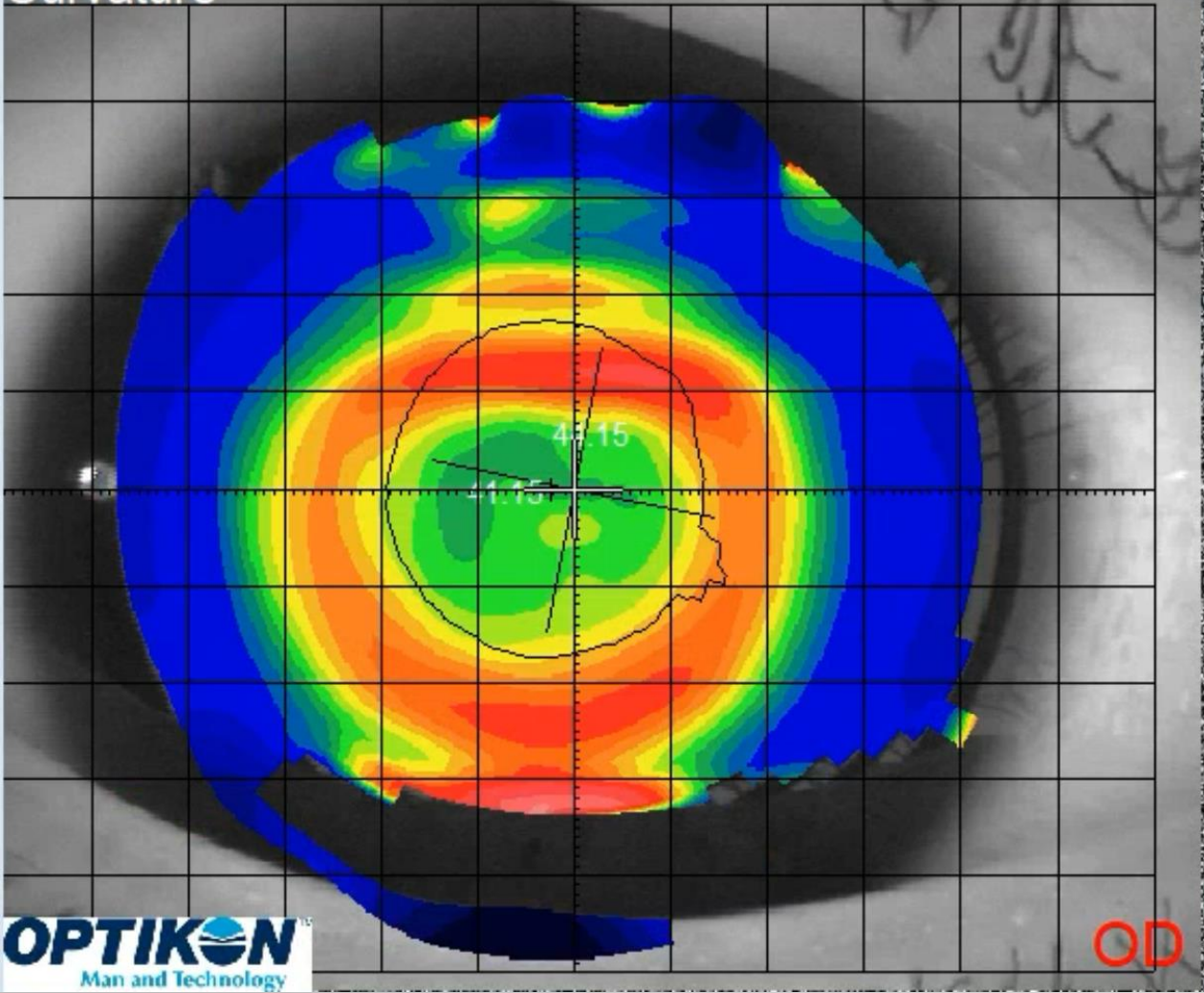
70

Tear Layer Mode: Axial ⓘ

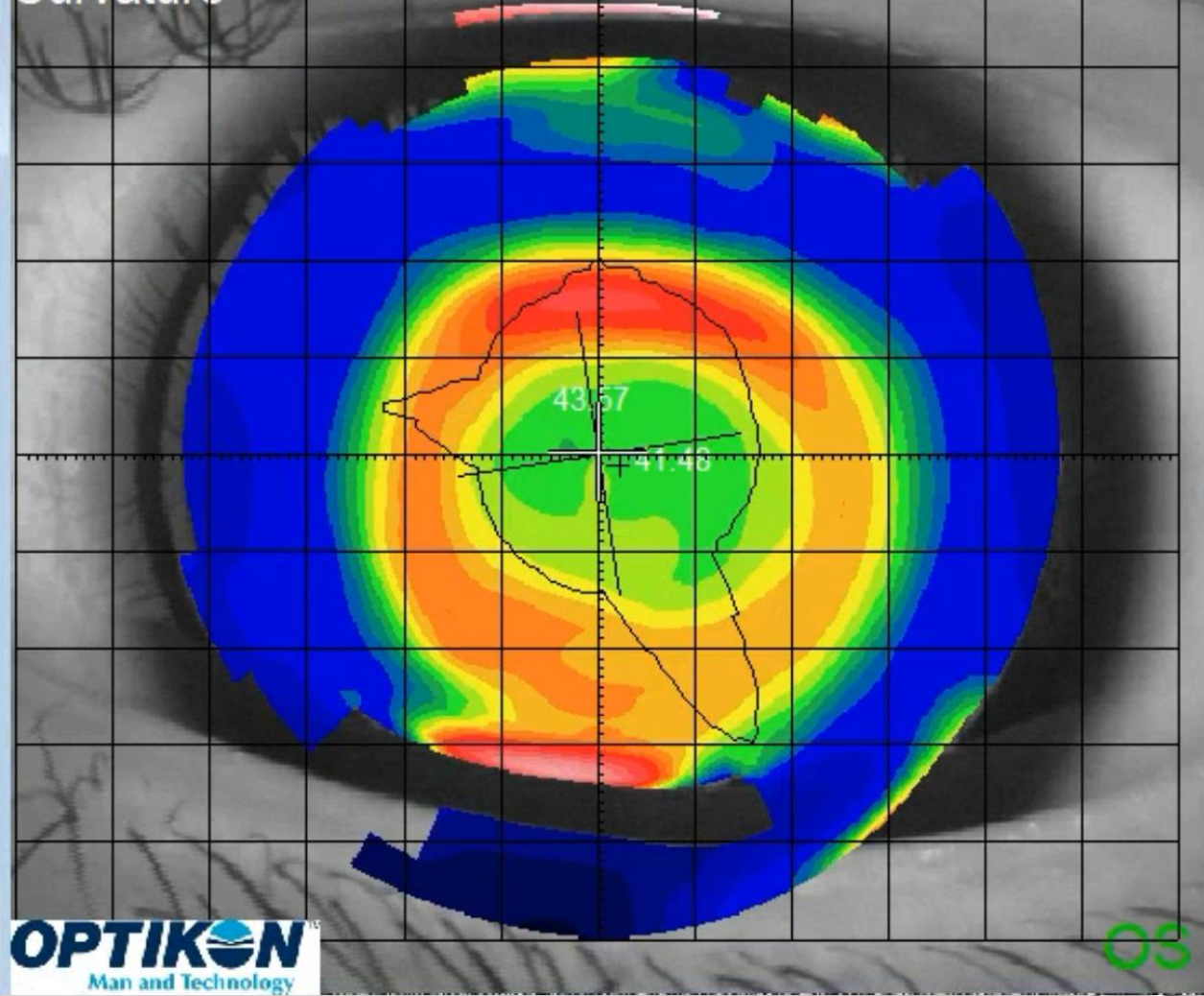


| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|------|------|------|-------------------|------|------|------|--------|
| TL (μm) | 25.4 | 15.4 | 10.9 | 23.0 | 7.5 | 32.0 | 19.1 | 0.9 | 3.3 |
| SAG (μm) | 1897 | 1664 | 641 | 506 | 0 | 506 | 641 | 1664 | 1897 |
| DIA (mm) | 10.42 | 9.76 | 6.20 | 5.60 | 0 | 5.60 | 6.20 | 9.76 | 10.42 |

Curvature



Curvature



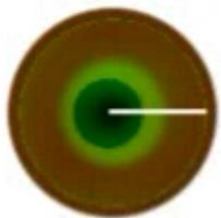
CASE 2

- CAN WE DO MORE?

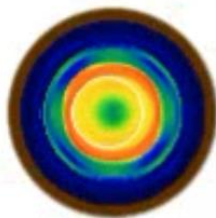
Map AVS

Quad View ▼

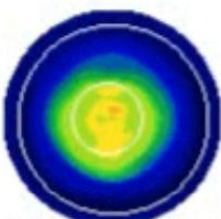
Fluorescein Map



Curvature Front



Topography



Curvature Back



K = 7.63

FForm

GSym

1.12D x 178

Manual Modification

ALL

1/2

1/4

Modification Increments

S

(D)

1x

-0.40

MB

Modification Area



OR_x

Lens Profile



CT (mm) ET (mm) OAD (mm)

0.22

0.22

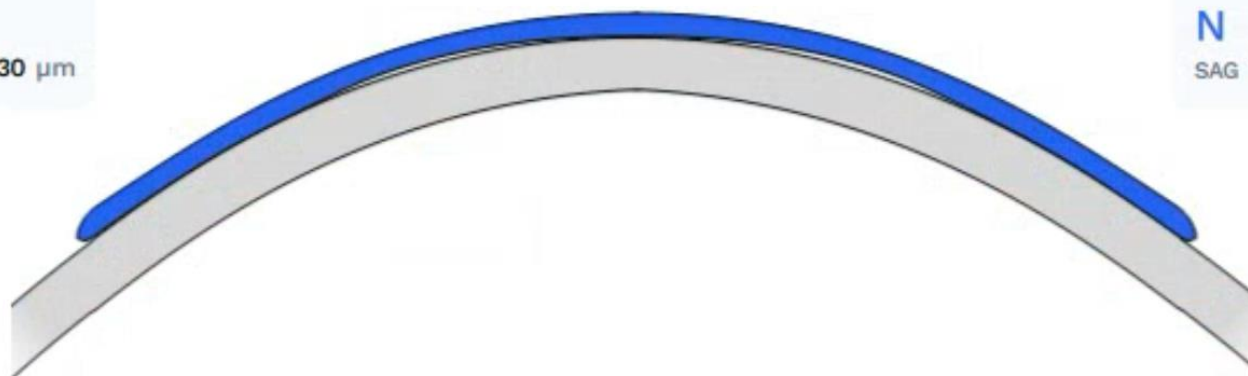
10.80

T

SAG 1930 μm

N

SAG 1930 μm



DEMAND 7.29 / 6.74D

POWER +5.22D

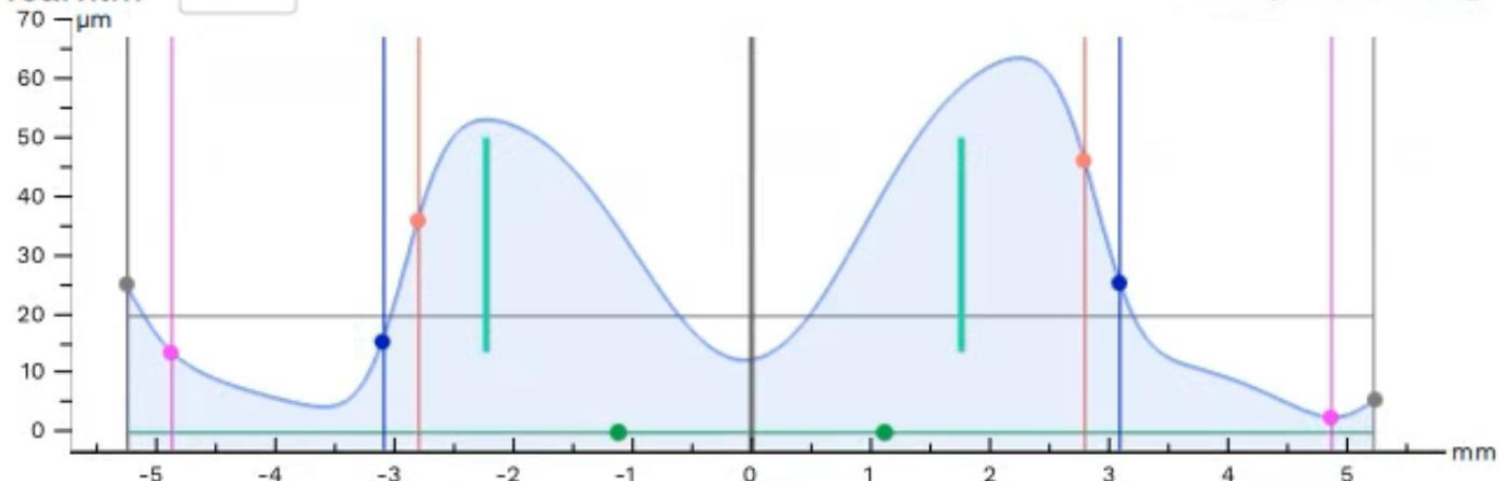
BASE CURVE 8.97mm



Tearfilm

70

Tear Layer Mode: Axial ⓘ

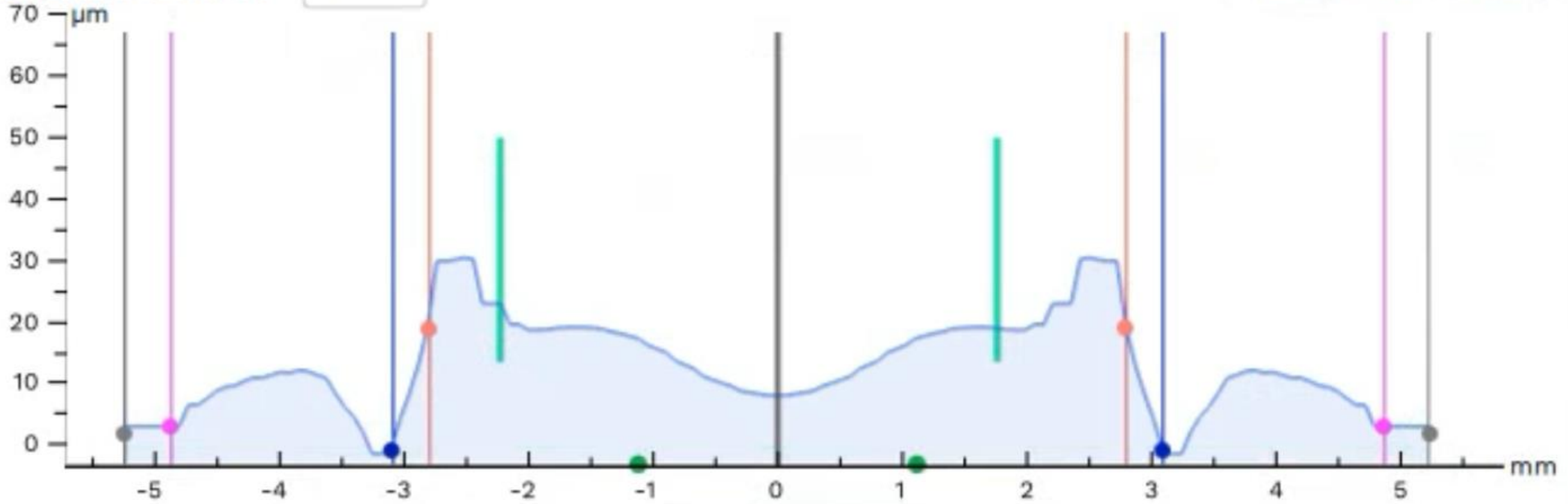


| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|------|------|------|-------------------|------|------|------|--------|
| TL (μm) | 25.2 | 13.8 | 15.4 | 36.0 | 12.3 | 46.8 | 25.7 | 2.5 | 5.6 |
| SAG (μm) | 1930 | 1668 | 640 | 497 | 0 | 497 | 640 | 1668 | 1930 |
| DIA (mm) | 10.50 | 9.76 | 6.20 | 5.60 | 0 | 5.60 | 6.20 | 9.76 | 10.50 |

Curvature Back

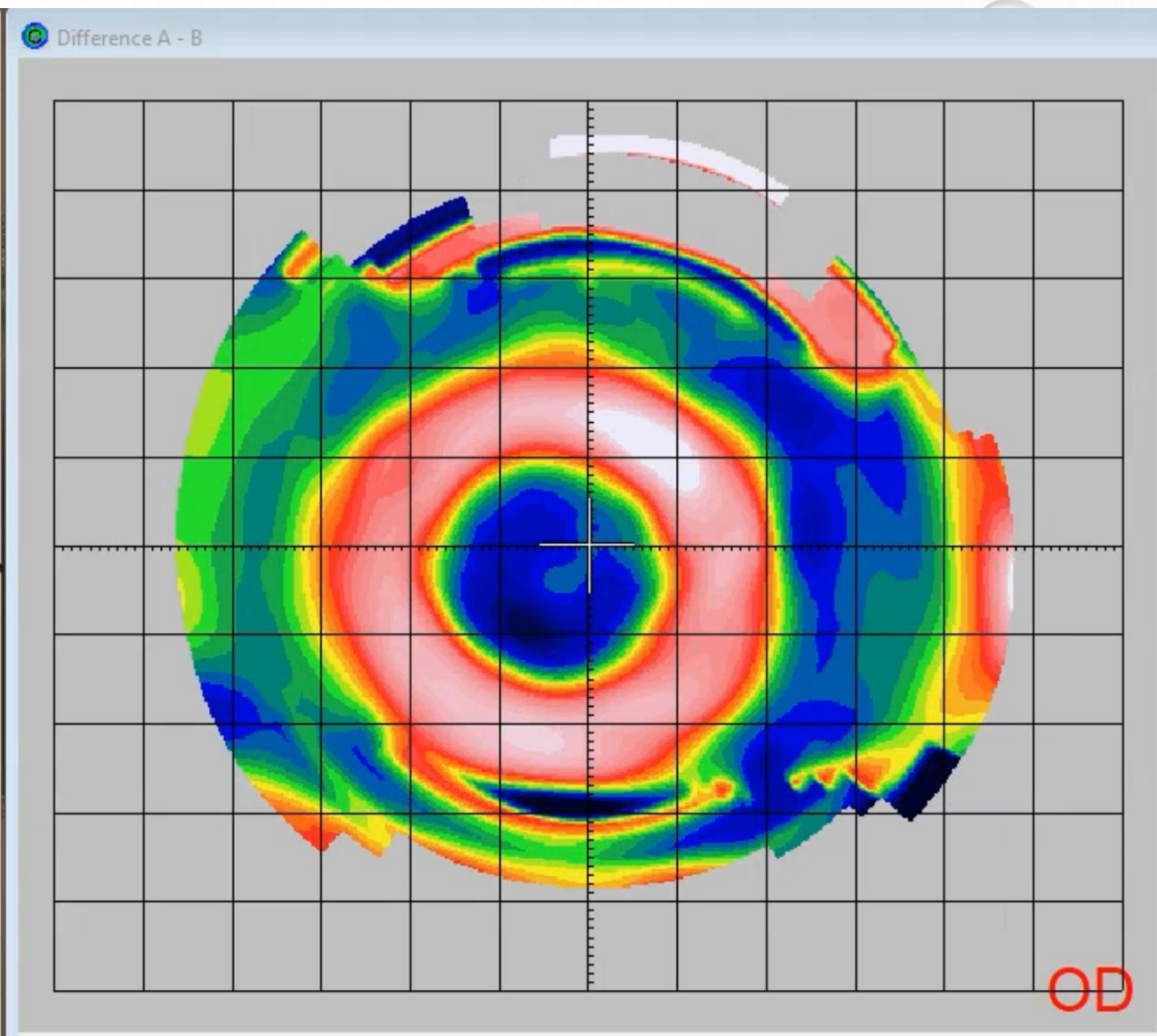
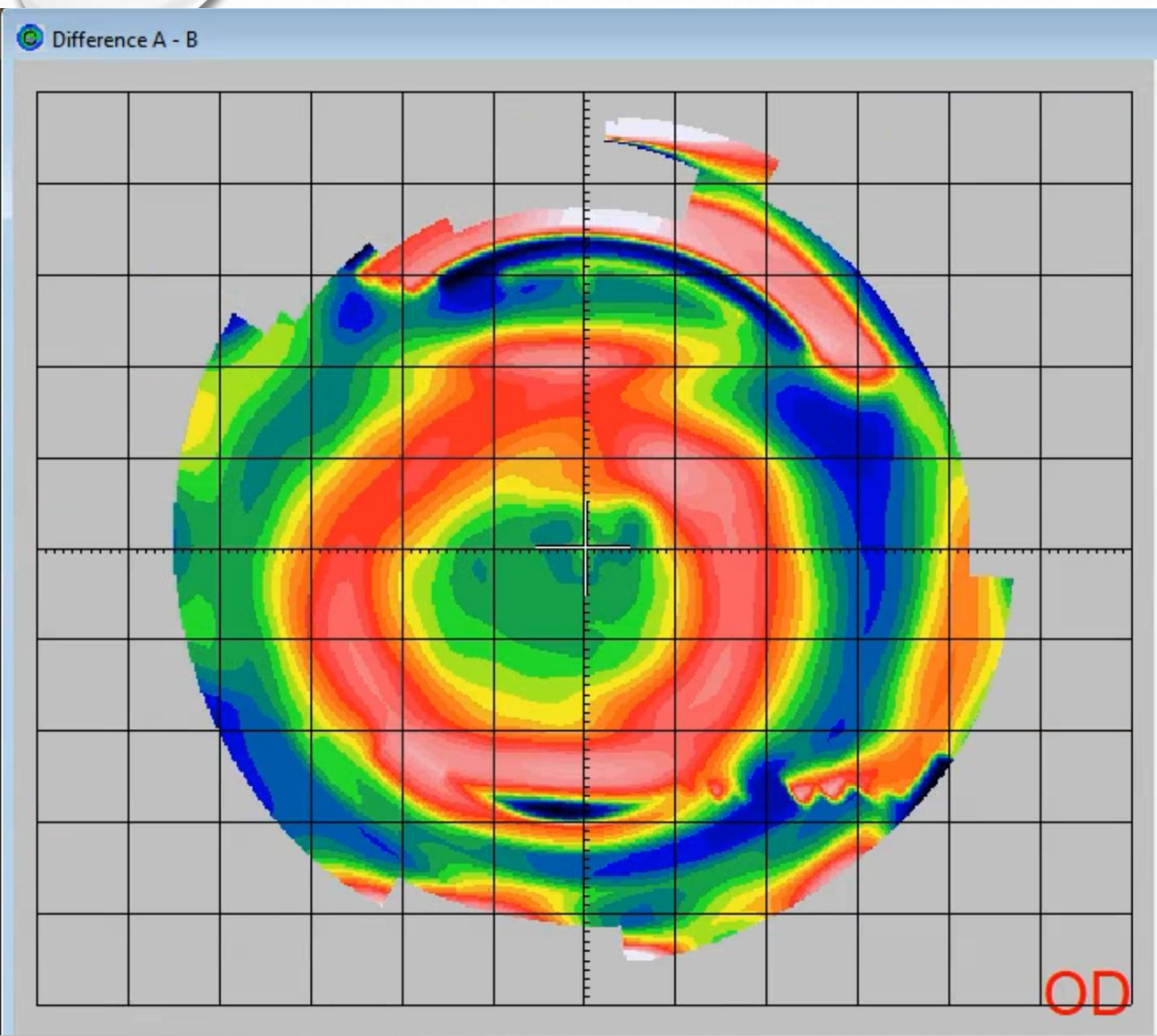
70 ▾

Tear Layer Mode: Axial ⓘ



● Edge ● PC ● IC ● OZ Central Clearance ● OZ ● IC ● PC ● Edge

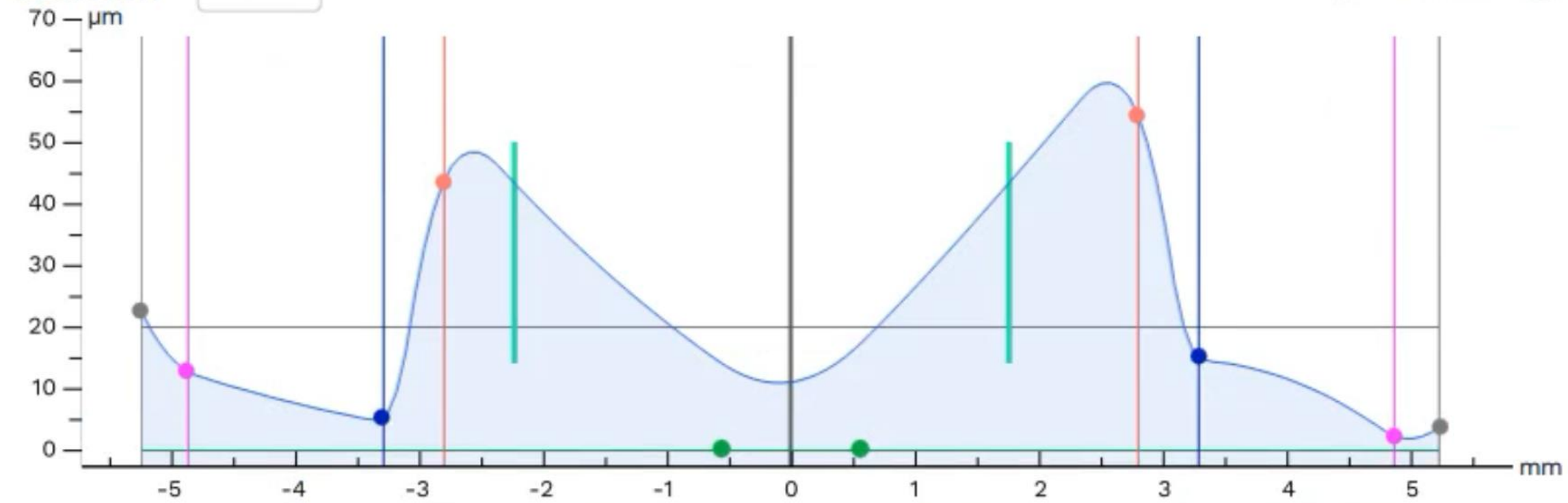
| | | | | | | | | | |
|----------|-------|------|------|------|------|------|------|------|-------|
| TL (µm) | 25.2 | 13.8 | 15.4 | 36.0 | 12.3 | 46.8 | 25.7 | 2.5 | 5.6 |
| SAG (µm) | 1930 | 1668 | 640 | 497 | 0 | 497 | 640 | 1668 | 1930 |
| DIA (mm) | 10.50 | 9.76 | 6.20 | 5.60 | 0 | 5.60 | 6.20 | 9.76 | 10.50 |



Tearfilm

70 ▾

Tear Layer Mode: Axial ⓘ



| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|------|------|------|-------------------|------|------|------|--------|
| TL (μm) | 22.5 | 12.7 | 5.1 | 43.3 | 10.8 | 54.6 | 15.1 | 2.1 | 3.6 |
| SAG (μm) | 1931 | 1668 | 739 | 488 | 0 | 488 | 739 | 1668 | 1931 |
| DIA (mm) | 10.50 | 9.76 | 6.60 | 5.60 | 0 | 5.60 | 6.60 | 9.76 | 10.50 |

Manual Modification

ALL 1/2 1/4

Modification Increments

S

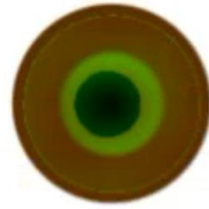
(D)

1x

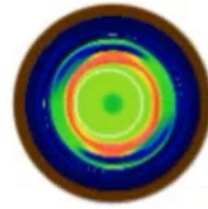
-0.40

MB

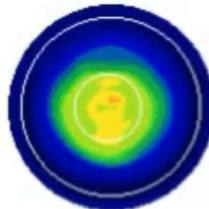
Fluorescein Map



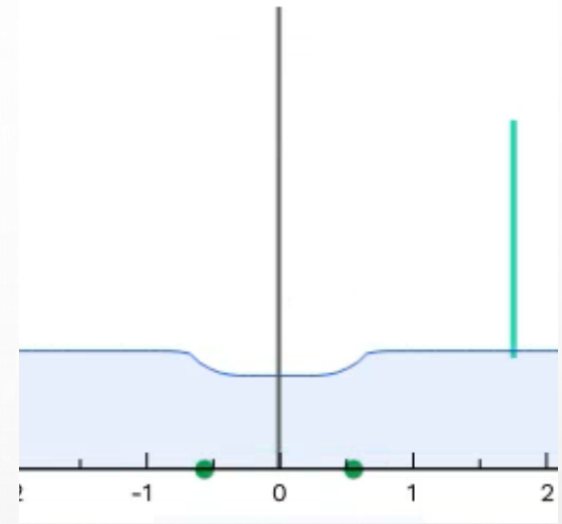
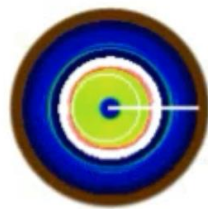
Curvature Front



Topography



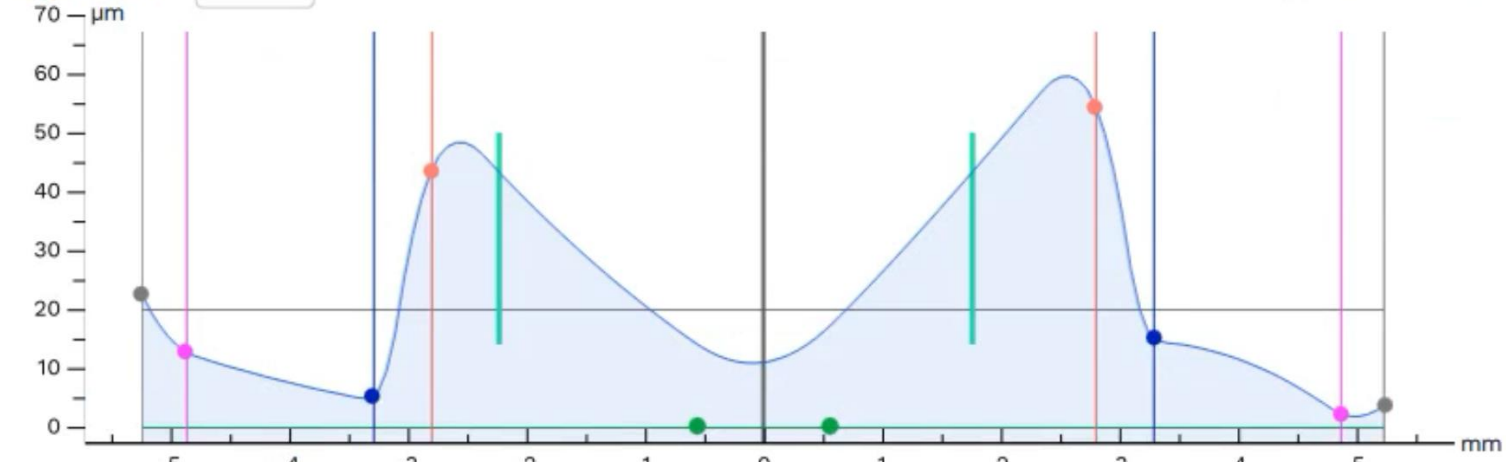
Curvature Back



Tearfilm

70

Tear Layer Mode: Axial ⓘ



| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|------|------|------|-------------------|------|------|------|--------|
| TL (μm) | 22.5 | 12.7 | 5.1 | 43.3 | 10.8 | 54.6 | 15.1 | 2.1 | 3.6 |
| SAG (μm) | 1931 | 1668 | 739 | 488 | 0 | 488 | 739 | 1668 | 1931 |
| DIA (mm) | 10.50 | 9.76 | 6.60 | 5.60 | 0 | 5.60 | 6.60 | 9.76 | 10.50 |

Manual Modification

ALL 1/2 1/4

Modification Increments

1x

S

-0.40

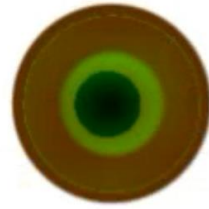
(D)



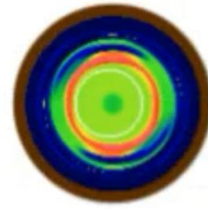
MB



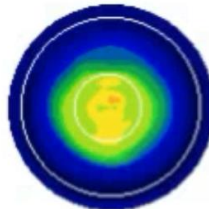
Fluorescein Map



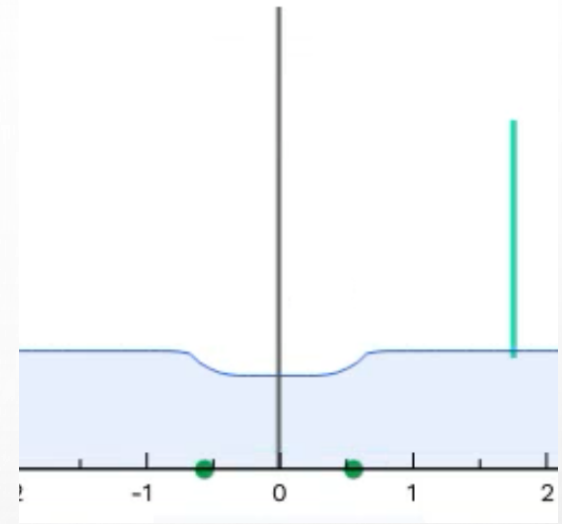
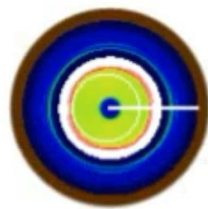
Curvature Front



Topography



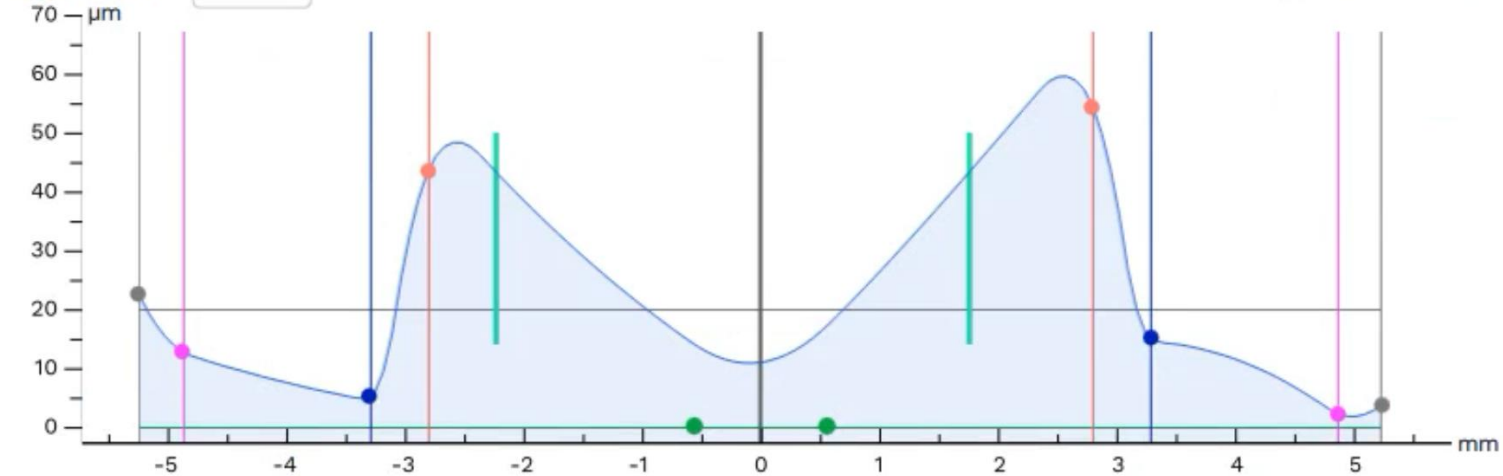
Curvature Back



Tearfilm

70

Tear Layer Mode: Axial



| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| TL (μm) | 22.5 | 12.7 | 5.1 | 43.3 | 10.8 | 54.6 | 15.1 | 2.1 | 3.6 |
| SAG (μm) | 1931 | 1668 | 739 | 488 | 0 | 488 | 739 | 1668 | 1931 |
| DIA (mm) | 10.50 | 9.76 | 6.60 | 5.60 | 0 | 5.60 | 6.60 | 9.76 | 10.50 |

Manual Modification

ALL 1/2 1/4

Modification Increments

S

(D)

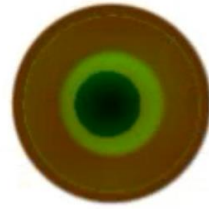
1x

-0.40

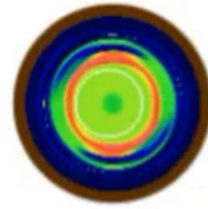


MB

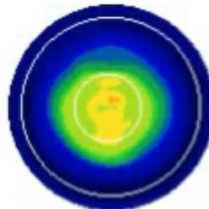
Fluorescein Map



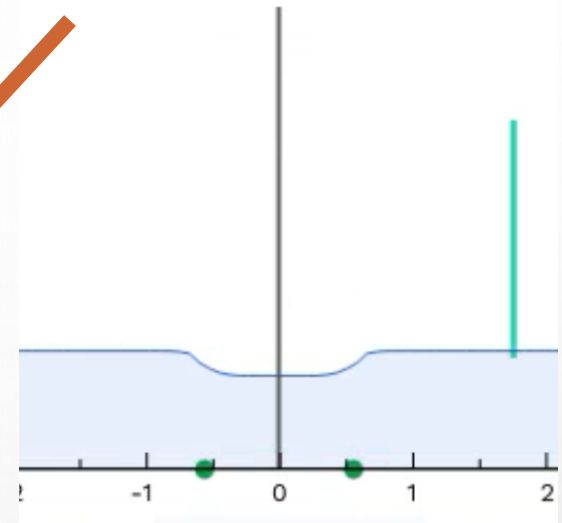
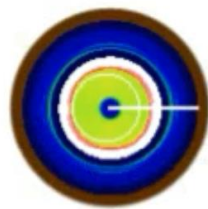
Curvature Front



Topography



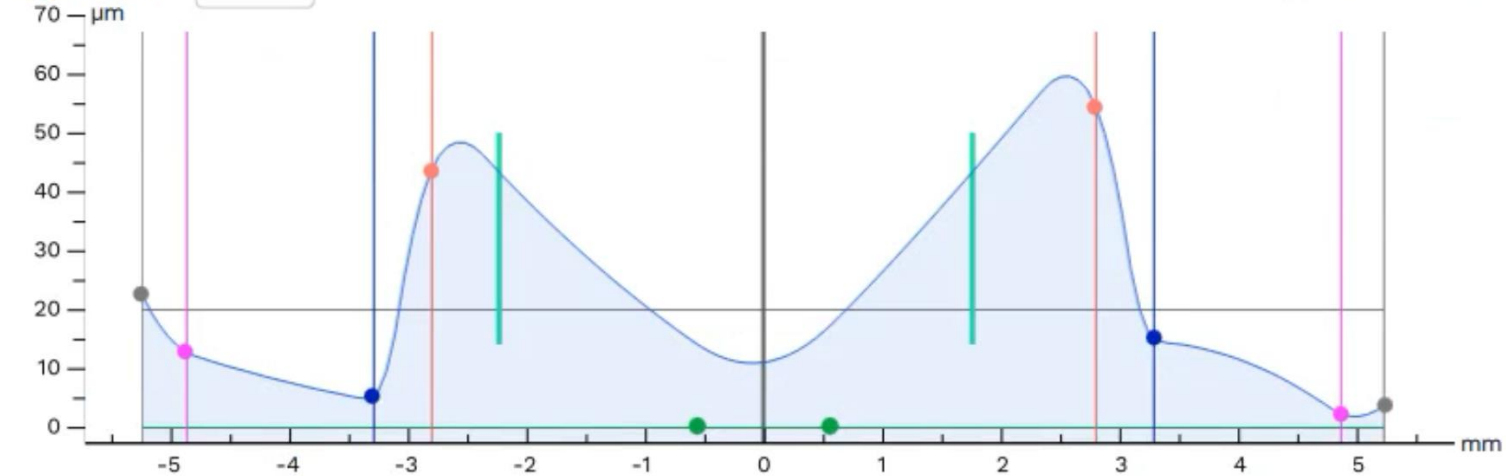
Curvature Back



Tearfilm

70

Tear Layer Mode: Axial ⓘ



| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|------|------|------|-------------------|------|------|------|--------|
| TL (μm) | 22.5 | 12.7 | 5.1 | 43.3 | 10.8 | 54.6 | 15.1 | 2.1 | 3.6 |
| SAG (μm) | 1931 | 1668 | 739 | 488 | 0 | 488 | 739 | 1668 | 1931 |
| DIA (mm) | 10.50 | 9.76 | 6.60 | 5.60 | 0 | 5.60 | 6.60 | 9.76 | 10.50 |

Manual Modification

ALL 1/2 1/4

Modification Increments

S

(D)

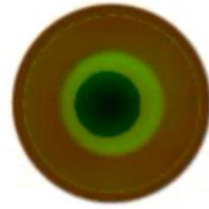
1x

-0.40

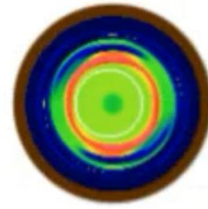


MB

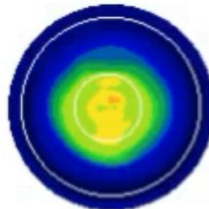
Fluorescein Map



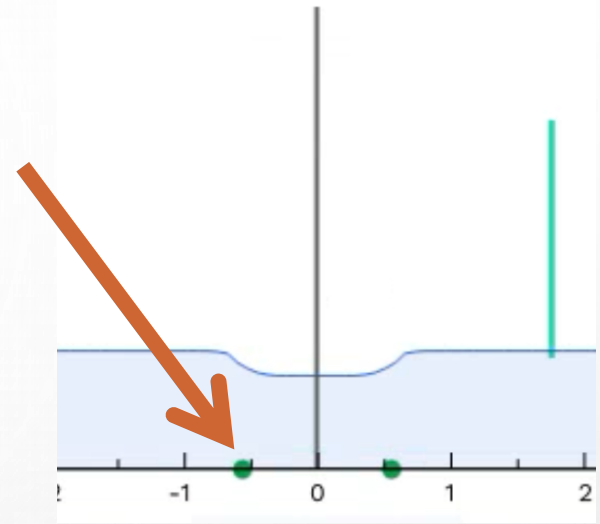
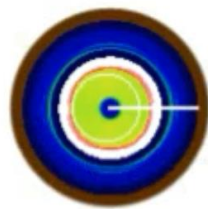
Curvature Front



Topography



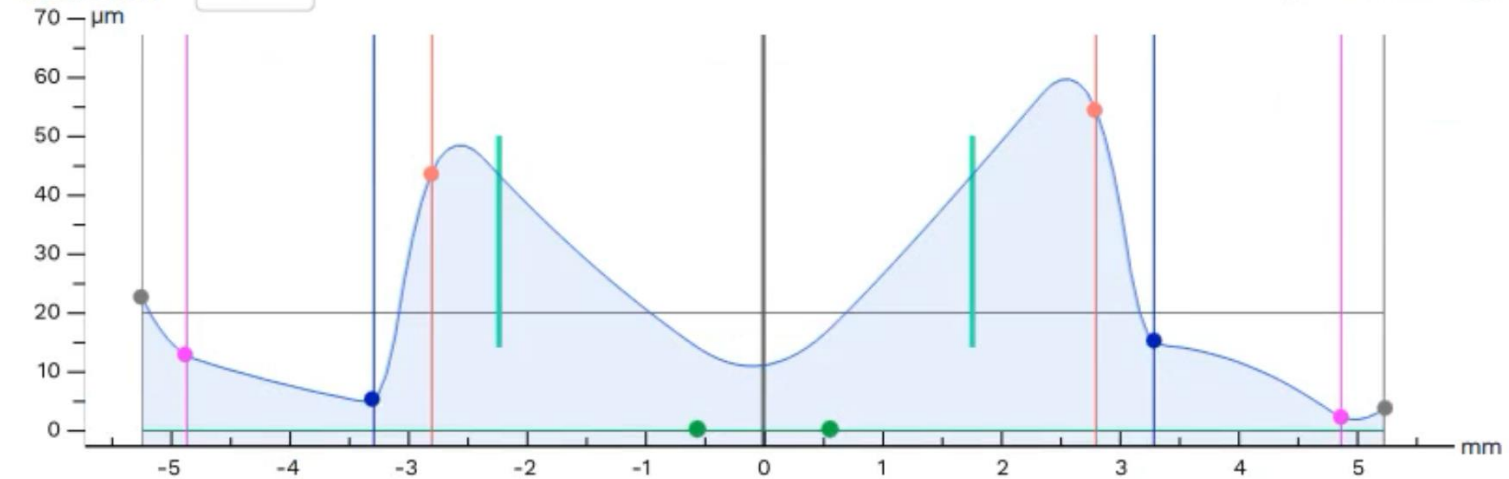
Curvature Back



Tearfilm

70

Tear Layer Mode: Axial ⓘ

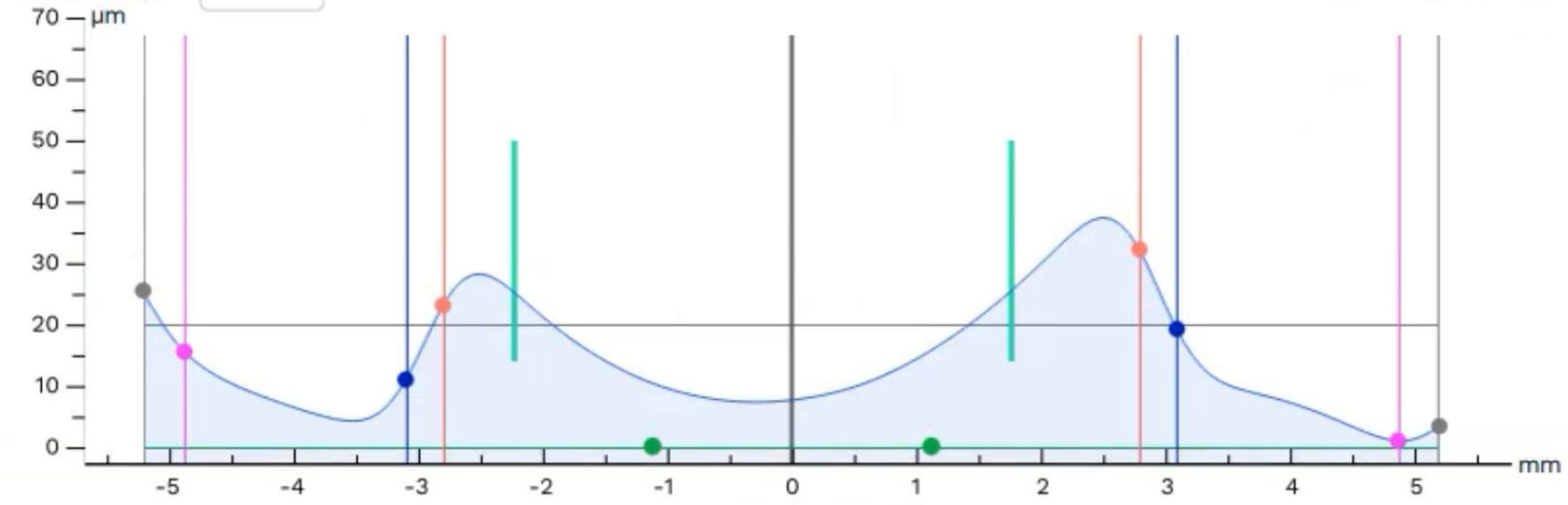


| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|------|------|------|-------------------|------|------|------|--------|
| TL (µm) | 22.5 | 12.7 | 5.1 | 43.3 | 10.8 | 54.6 | 15.1 | 2.1 | 3.6 |
| SAG (µm) | 1931 | 1668 | 739 | 488 | 0 | 488 | 739 | 1668 | 1931 |
| DIA (mm) | 10.50 | 9.76 | 6.60 | 5.60 | 0 | 5.60 | 6.60 | 9.76 | 10.50 |

Tearfilm

70 ▾

Tear Layer Mode: Axial ⓘ

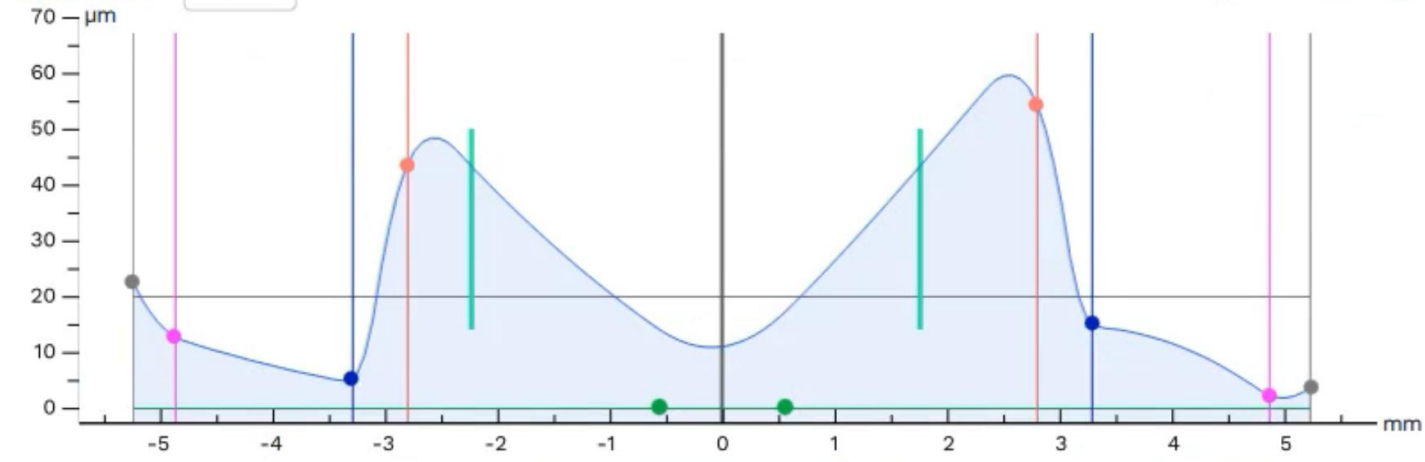


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| TL (μm) | 25.4 | 15.4 | 10.9 | 23.0 | 7.5 | 32.0 | 19.1 | 0.9 | 3.3 |
| SAG (μm) | 1897 | 1664 | 641 | 506 | 0 | 506 | 641 | 1664 | 1897 |
| DIA (mm) | 10.42 | 9.76 | 6.20 | 5.60 | 0 | 5.60 | 6.20 | 9.76 | 10.42 |

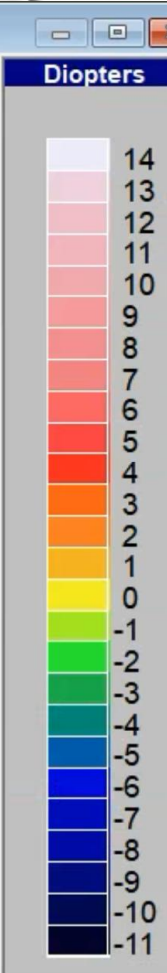
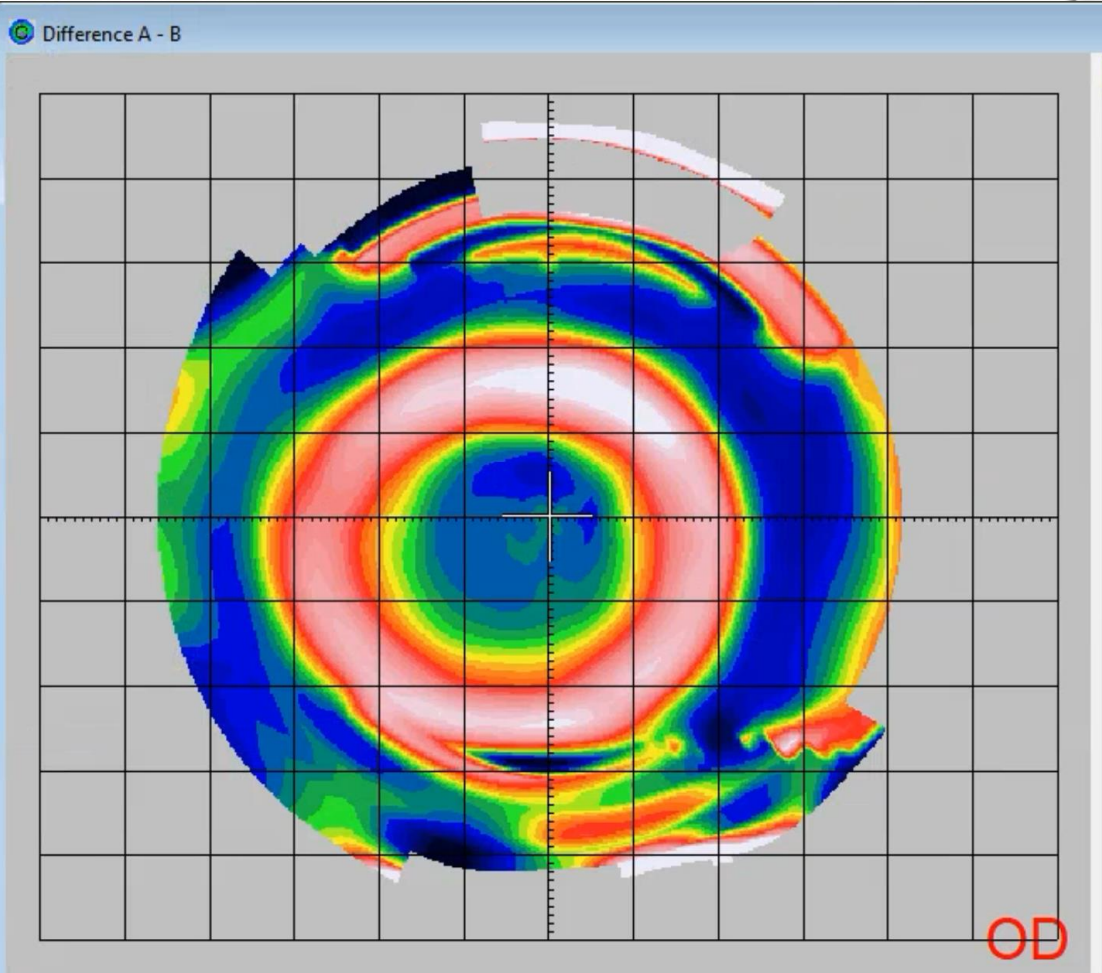
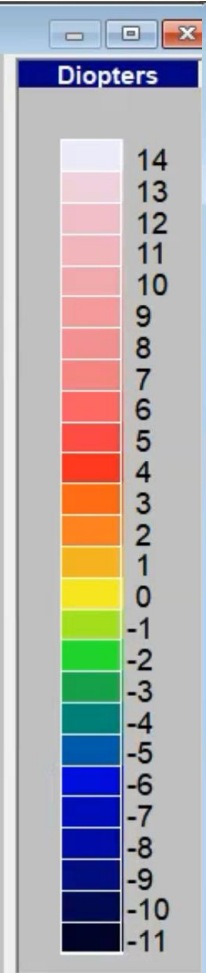
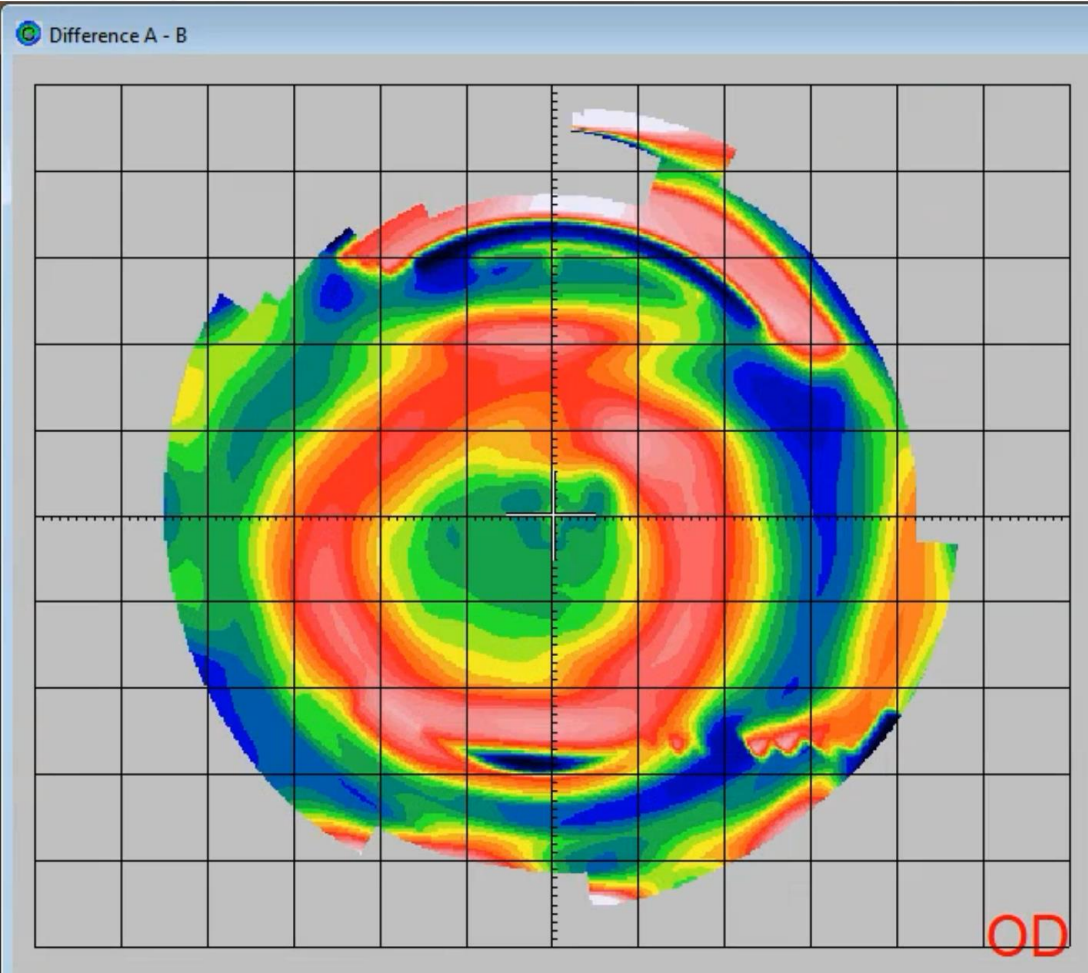
Tearfilm

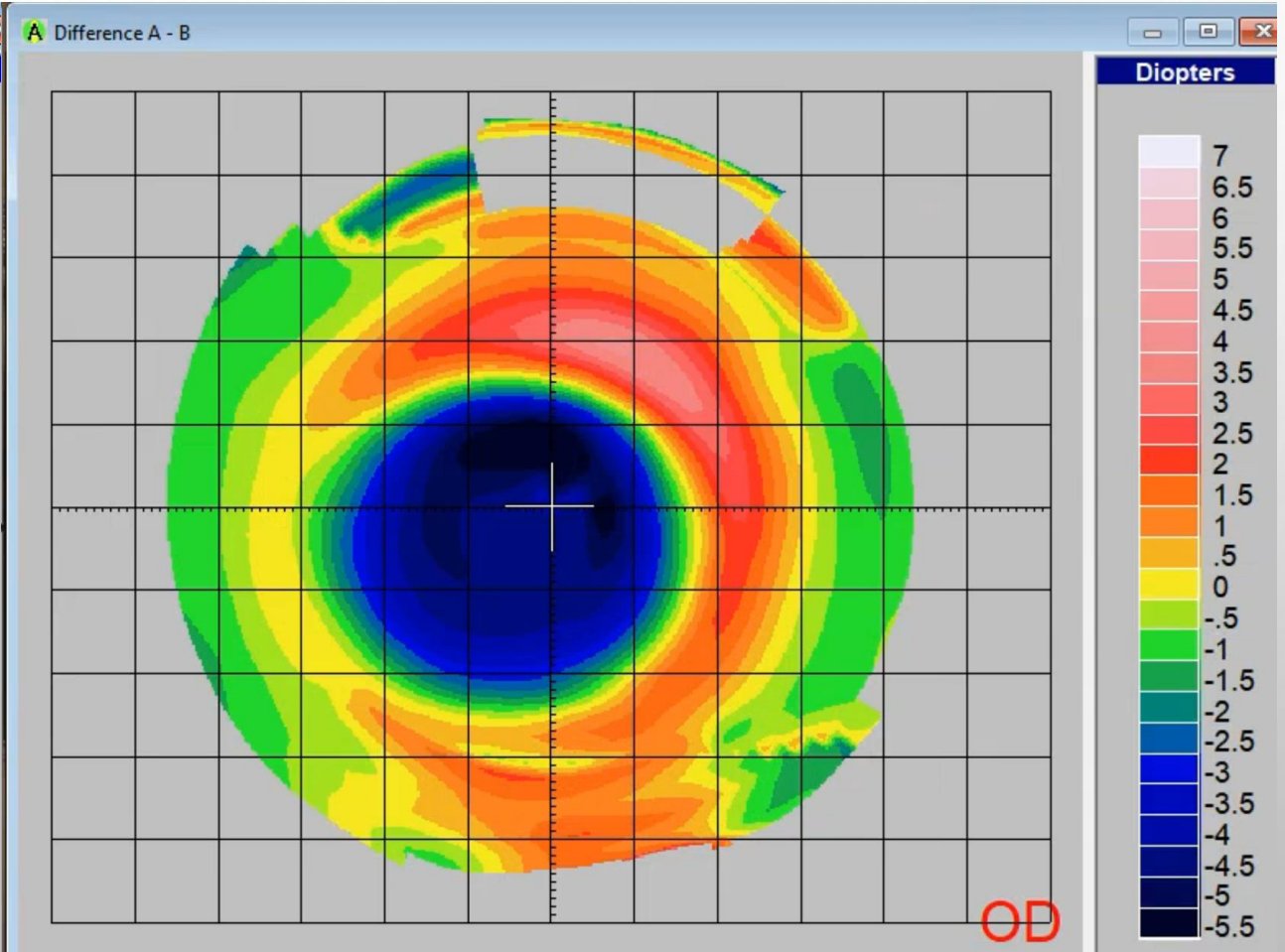
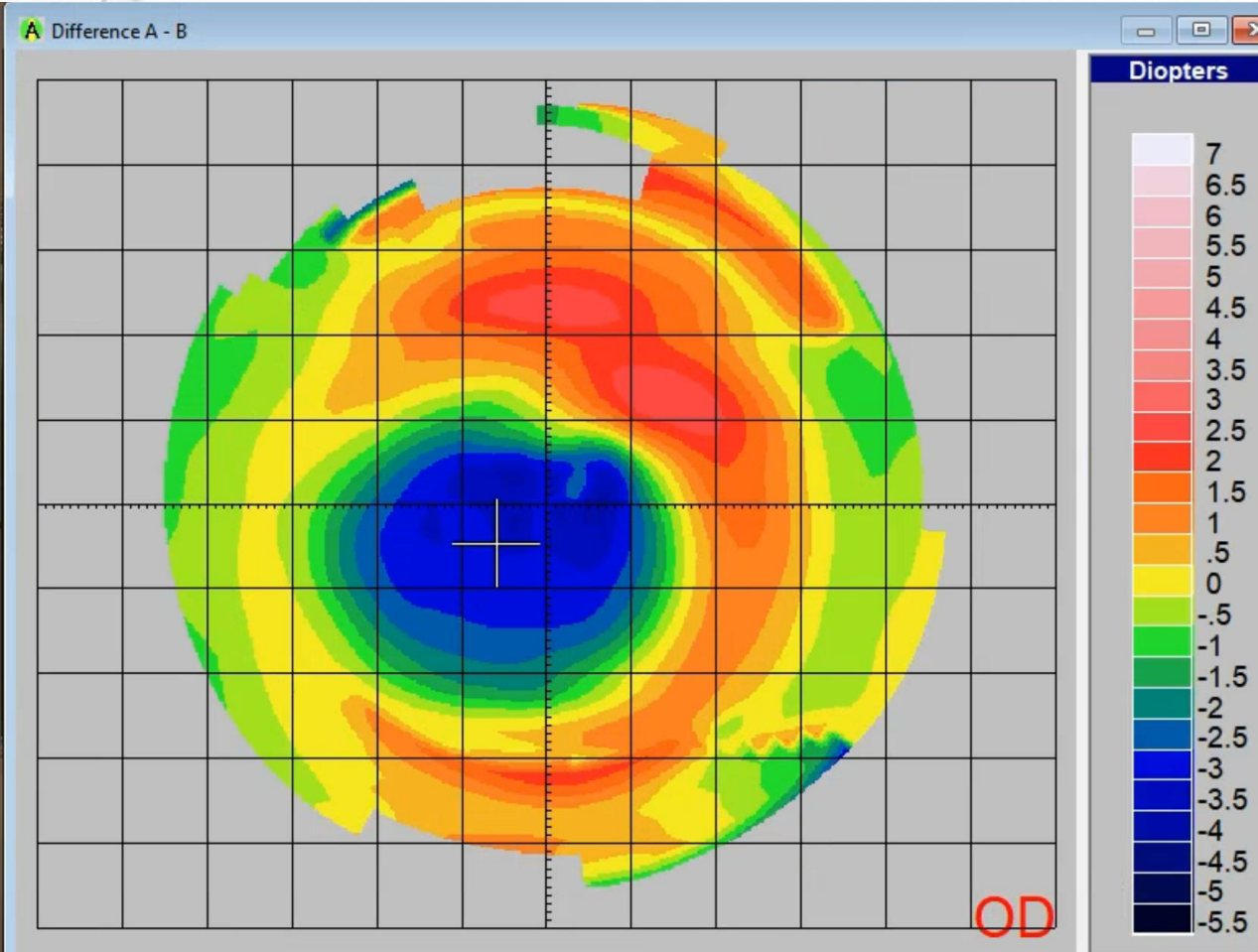
70 ▾

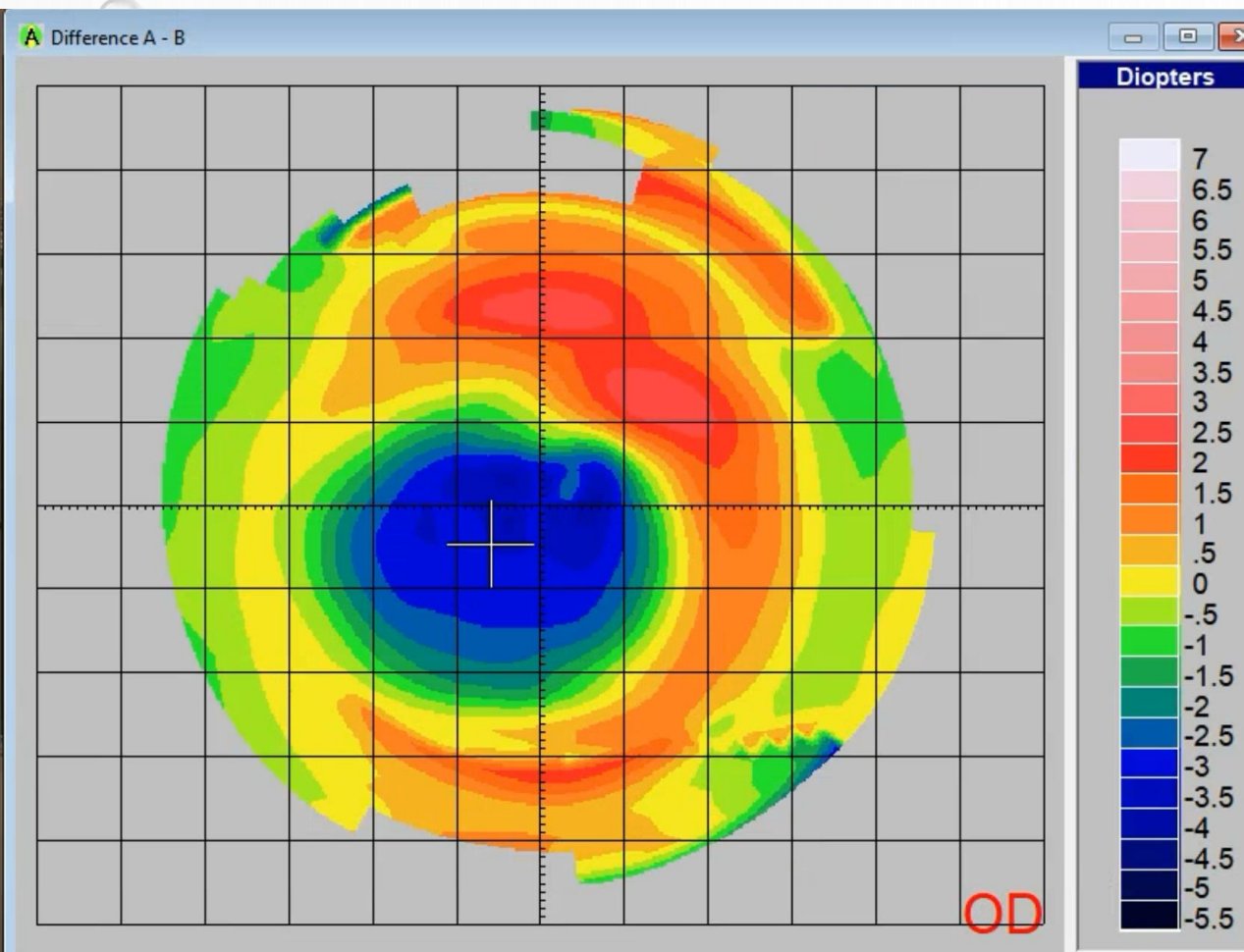
Tear Layer Mode: Axial ⓘ



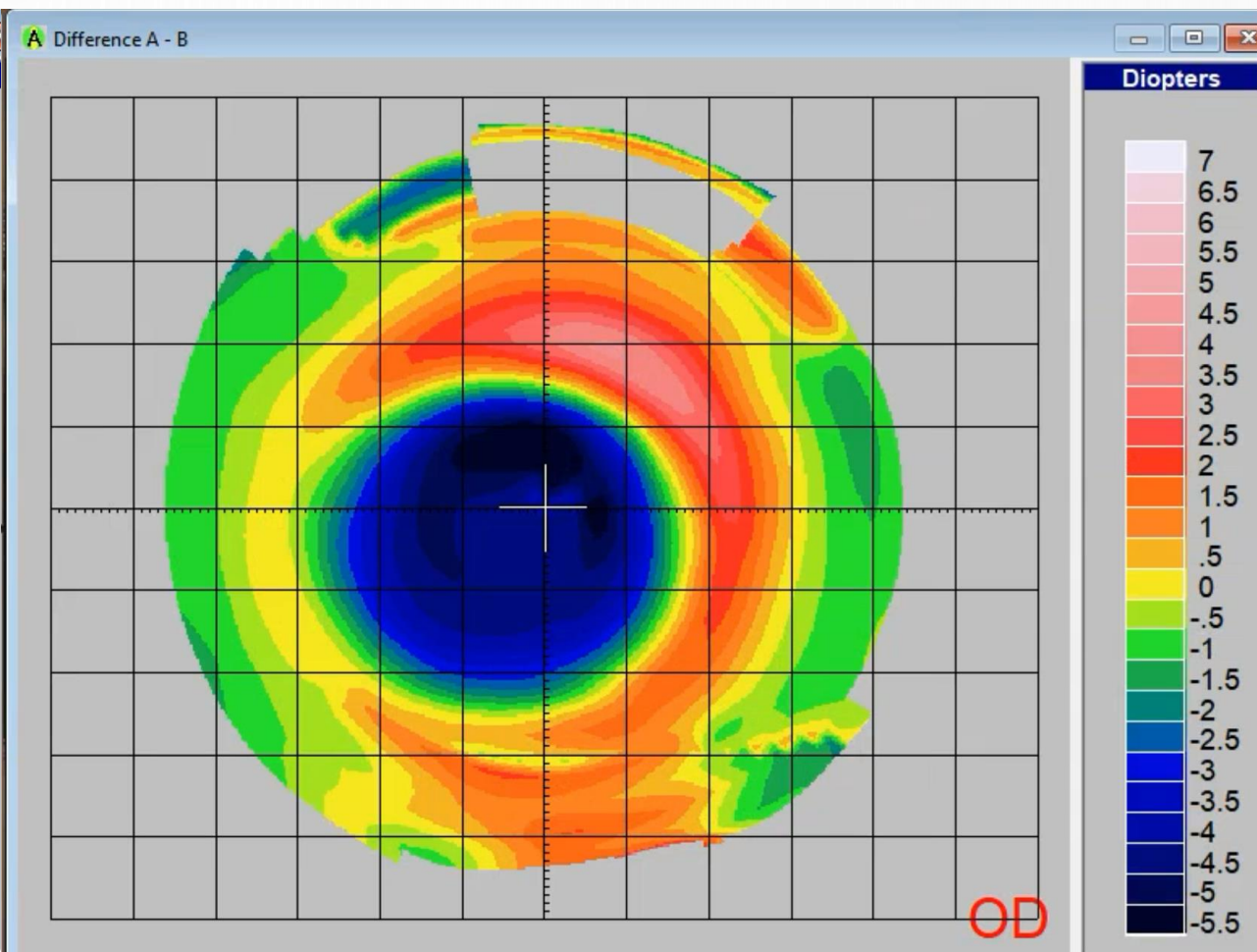
| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| TL (μm) | 22.5 | 12.7 | 5.1 | 43.3 | 10.8 | 54.6 | 15.1 | 2.1 | 3.6 |
| SAG (μm) | 1931 | 1668 | 739 | 488 | 0 | 488 | 739 | 1668 | 1931 |
| DIA (mm) | 10.50 | 9.76 | 6.60 | 5.60 | 0 | 5.60 | 6.60 | 9.76 | 10.50 |







5.50D ADD



8.25D ADD

CASE 2 - SUMMARY

- RISK FOR PROGRESSIVE MYOPIA

CASE 2 - SUMMARY

- RISK FOR PROGRESSIVE MYOPIA
- SHAPE FACTOR -0.40

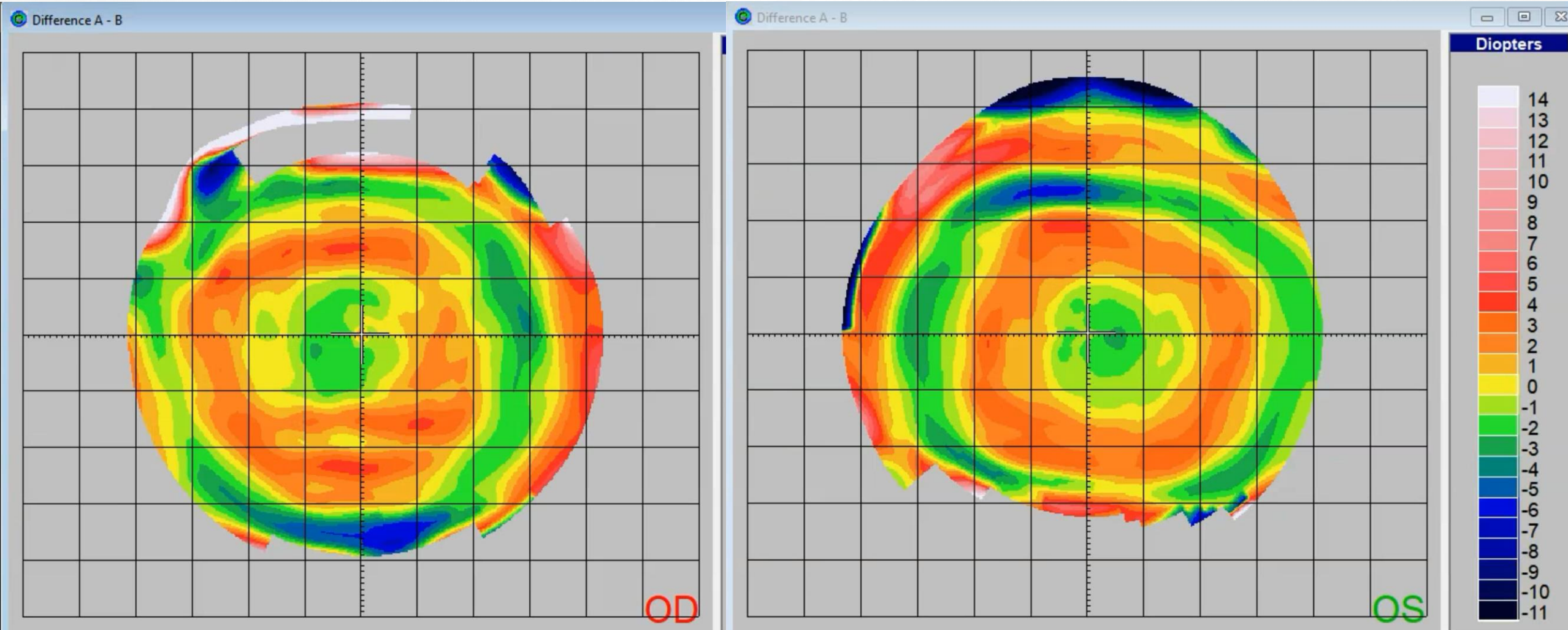
CASE 2 - SUMMARY

- RISK FOR PROGRESSIVE MYOPIA
- SHAPE FACTOR -0.40
- BLEND OFF

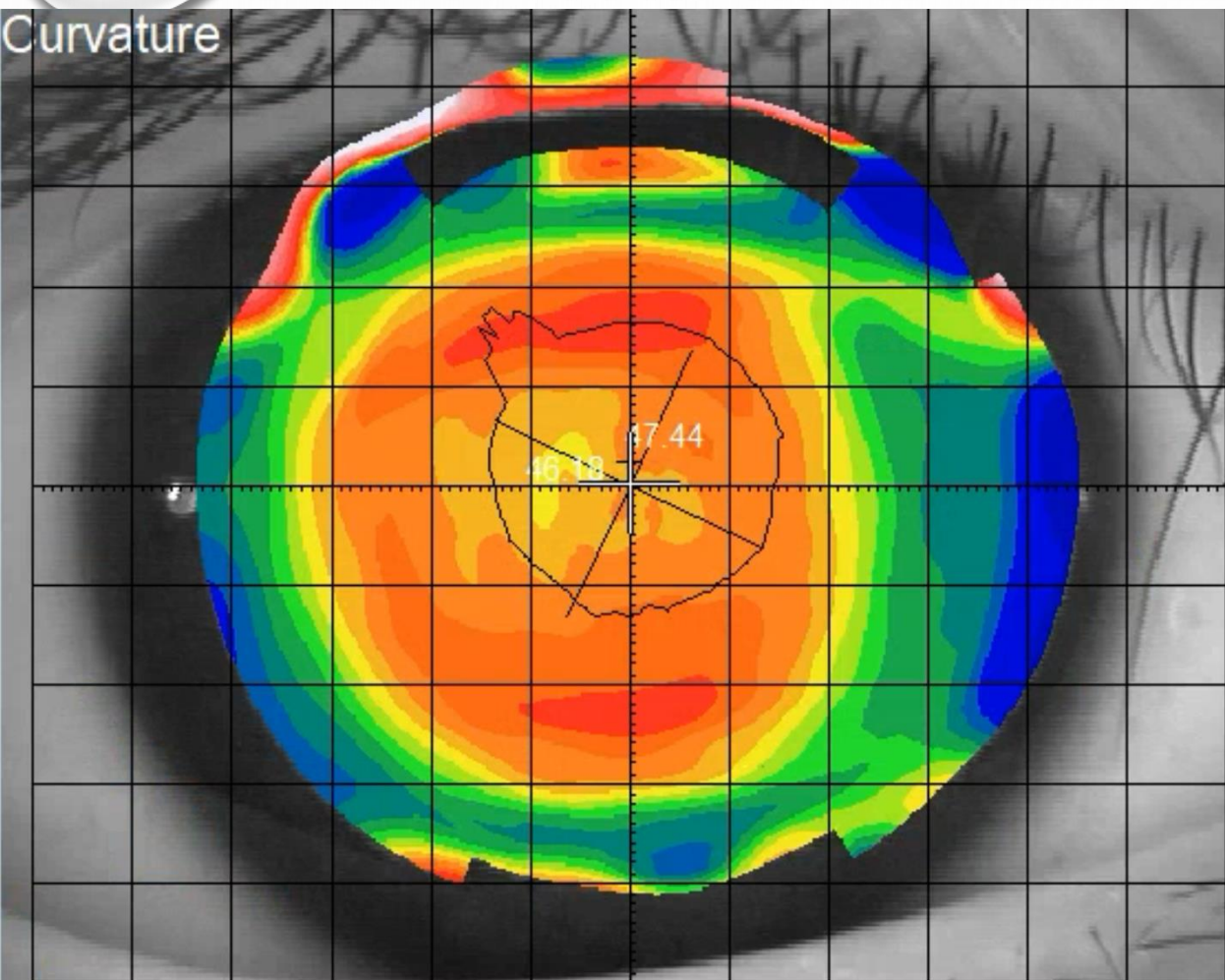
CASE 2 - SUMMARY

- RISK FOR PROGRESSIVE MYOPIA
- SHAPE FACTOR -0.40
- BLEND OFF
- REDUCE NODE WIDTH

CASE 2.5



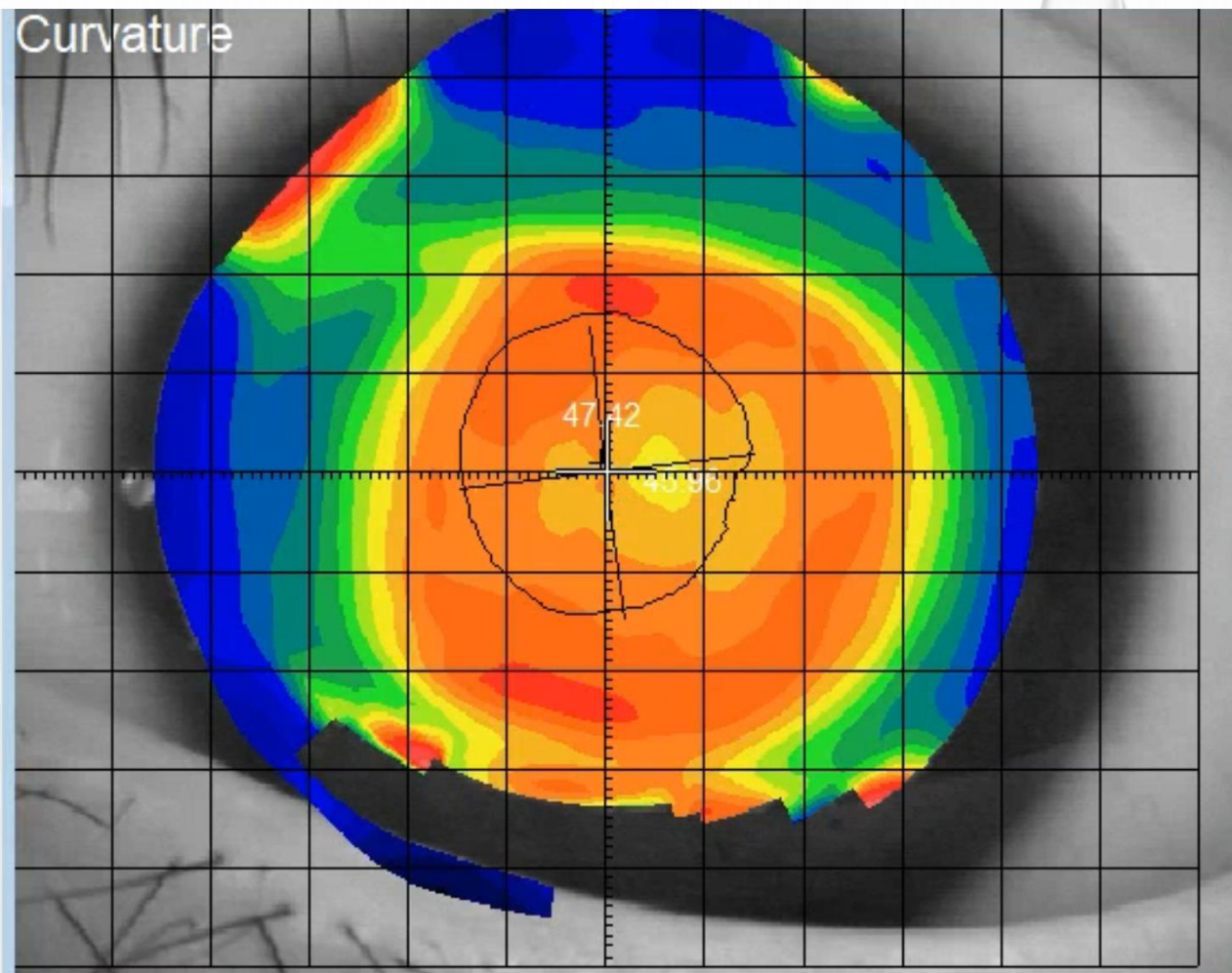
Curvature



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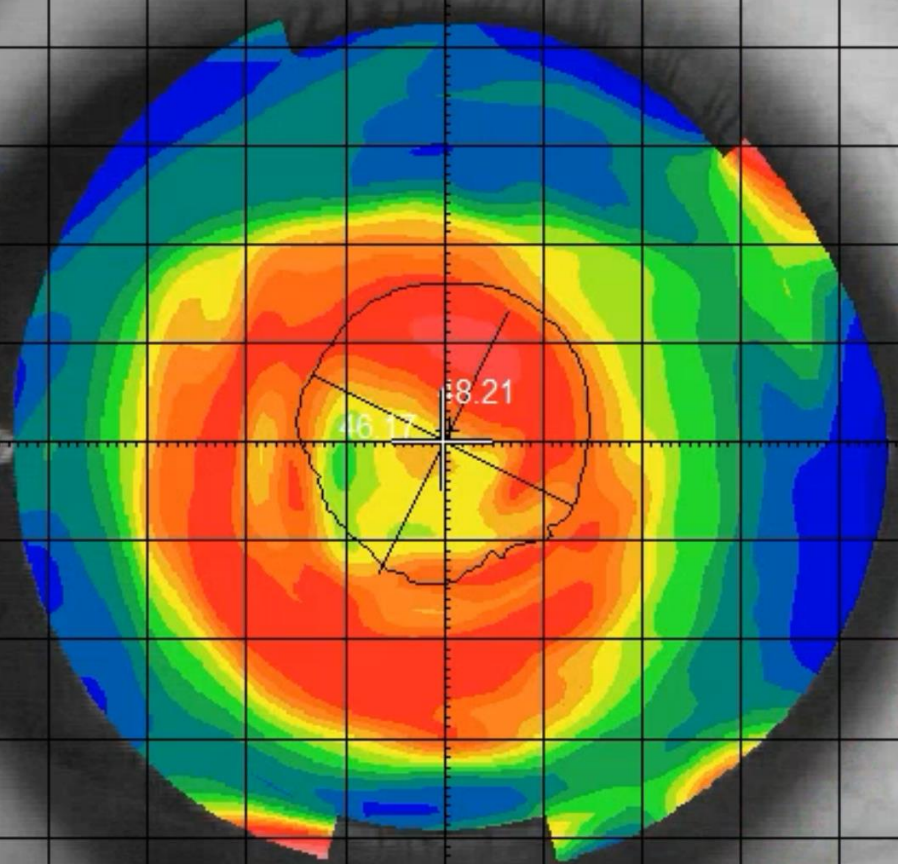
Curvature



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Man and Technology

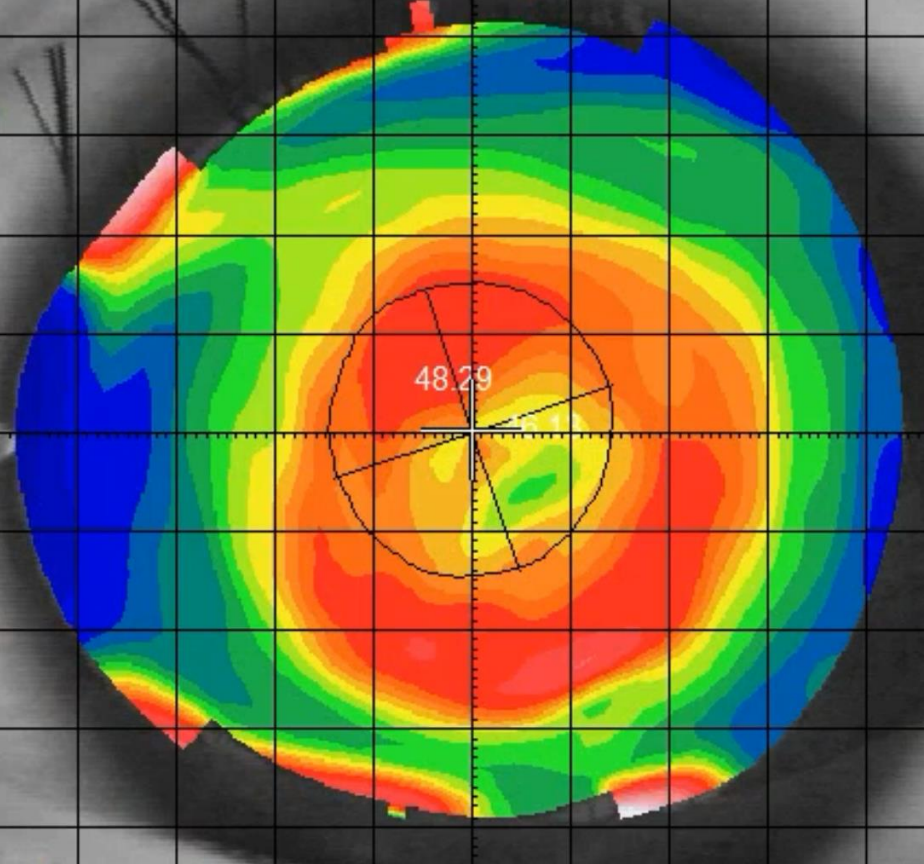
Curvature



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Man and Technology

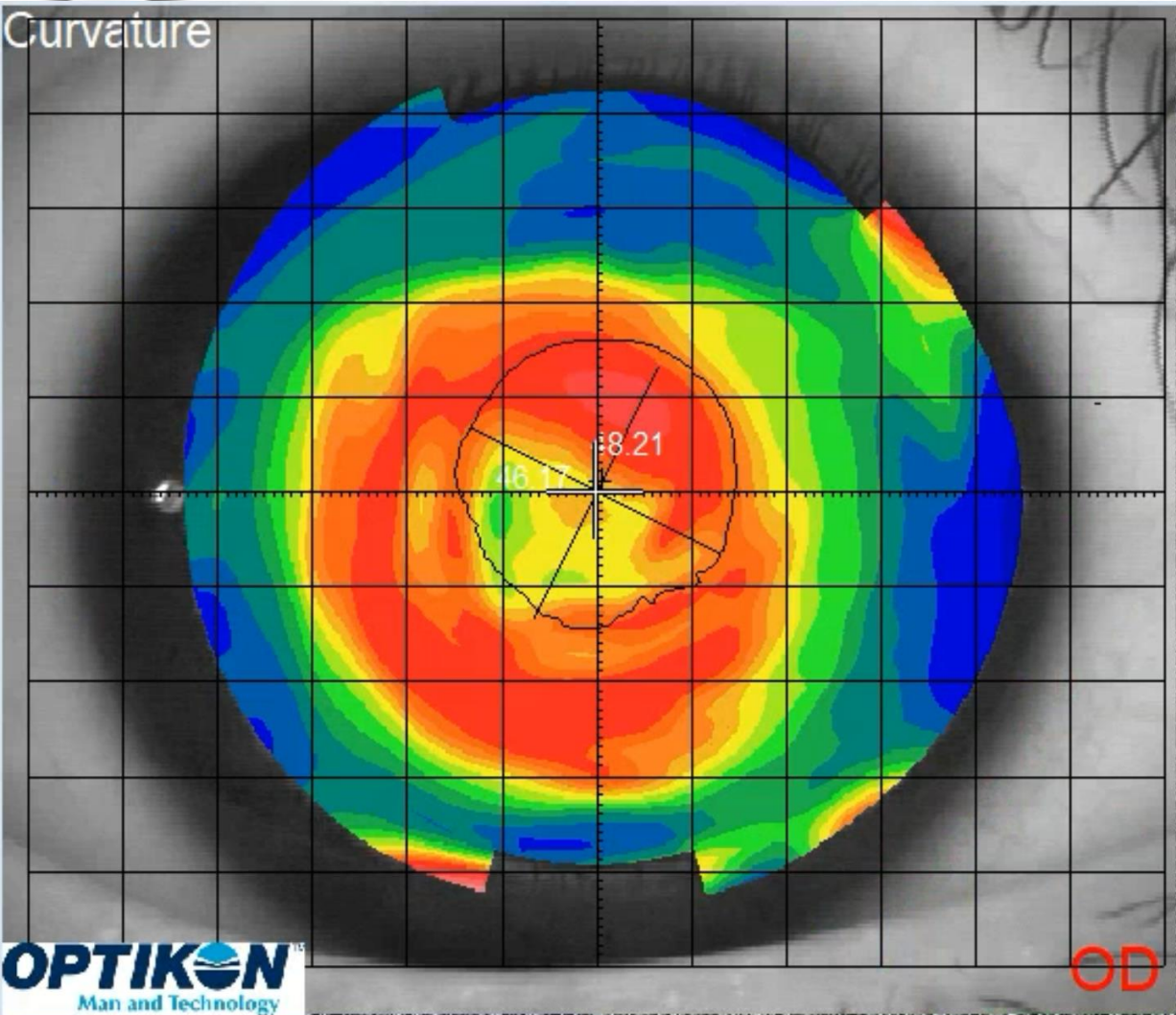
Curvature



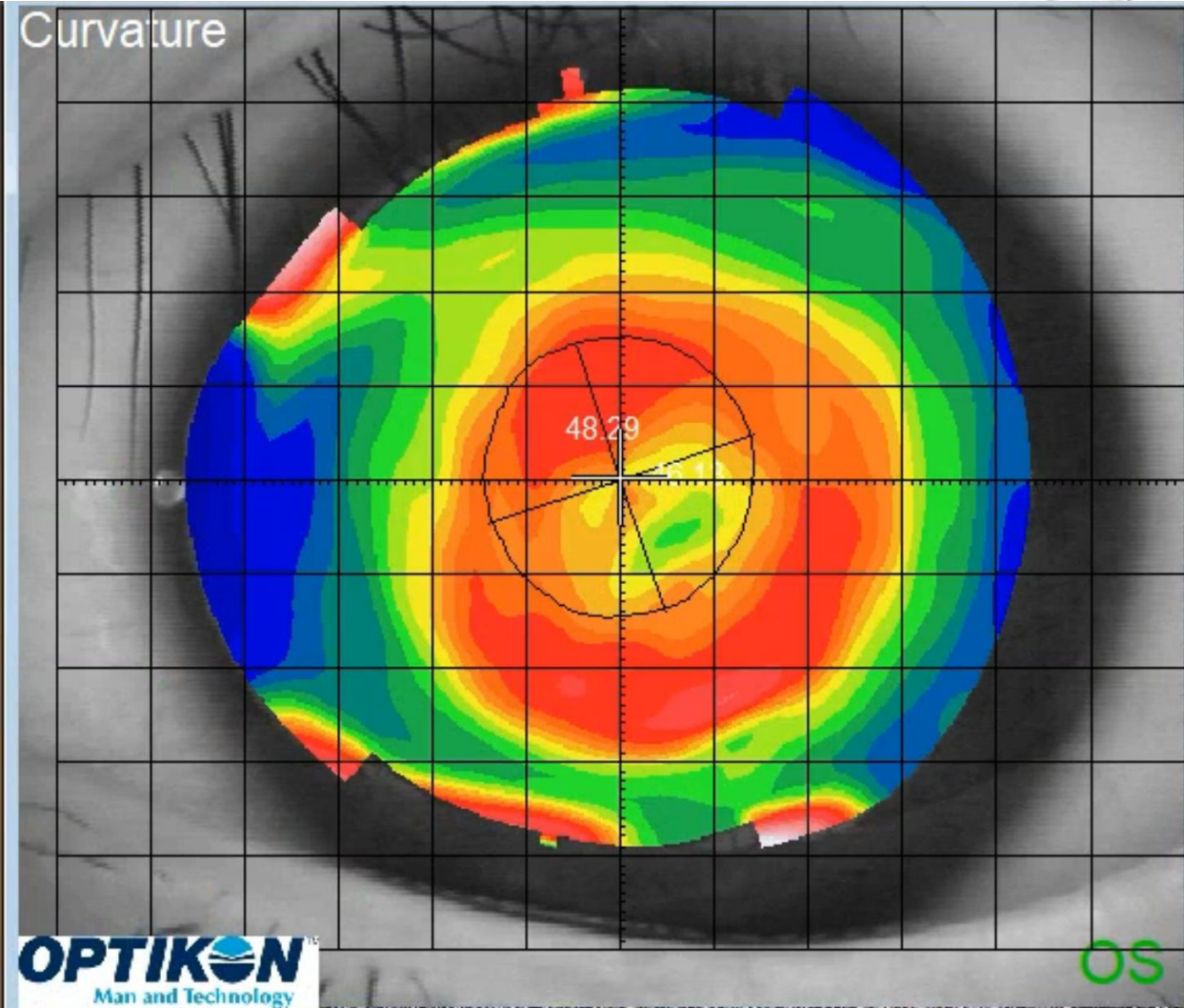
OS

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-0.60



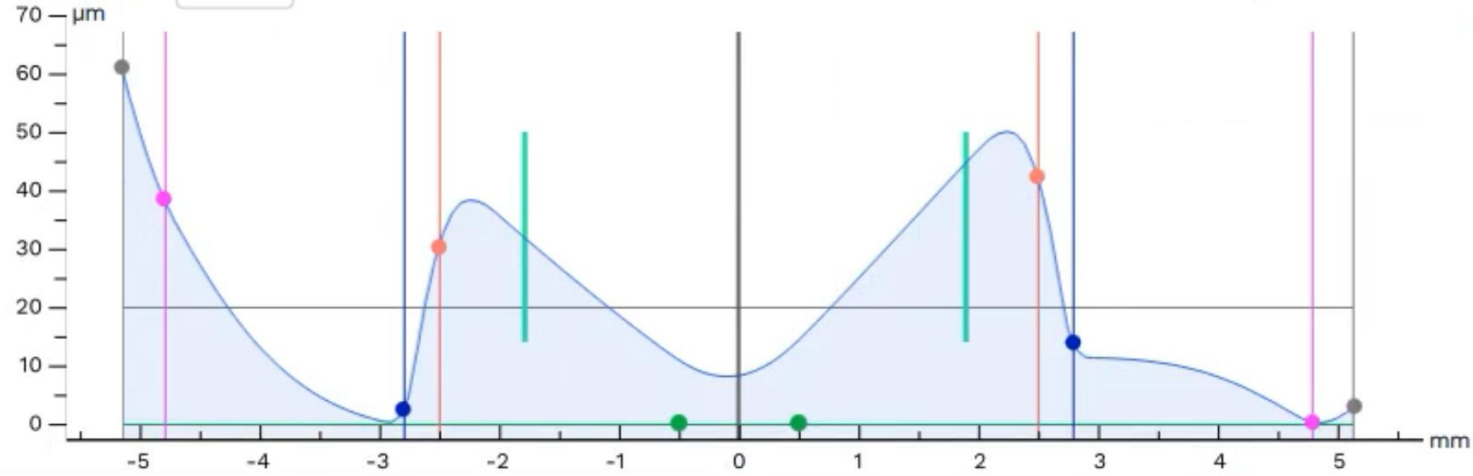
-0.80



Tearfilm

70 ▾

Tear Layer Mode: Axial ⓘ

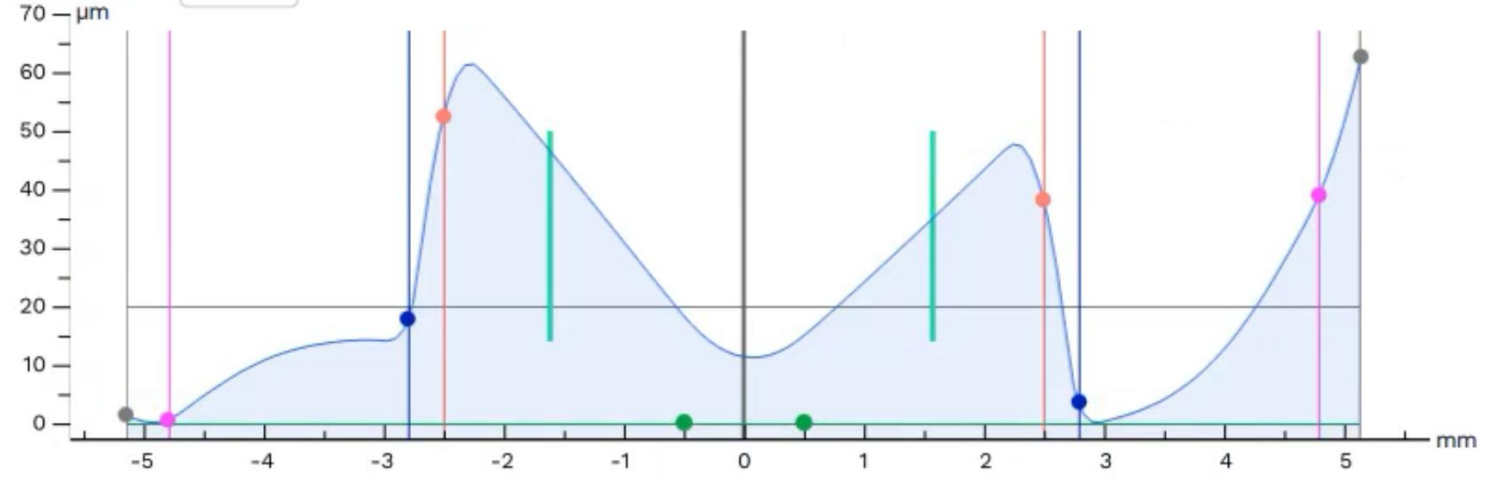


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| TL (μm) | 61.0 | 38.4 | 2.4 | 30.2 | 8.1 | 42.1 | 13.9 | 0.1 | 2.9 |
| SAG (μm) | 2005 | 1744 | 567 | 421 | 0 | 421 | 567 | 1744 | 2005 |
| DIA (mm) | 10.30 | 9.60 | 5.60 | 5.00 | 0 | 5.00 | 5.60 | 9.60 | 10.30 |

Tearfilm

70 ▾

Tear Layer Mode: Axial ⓘ

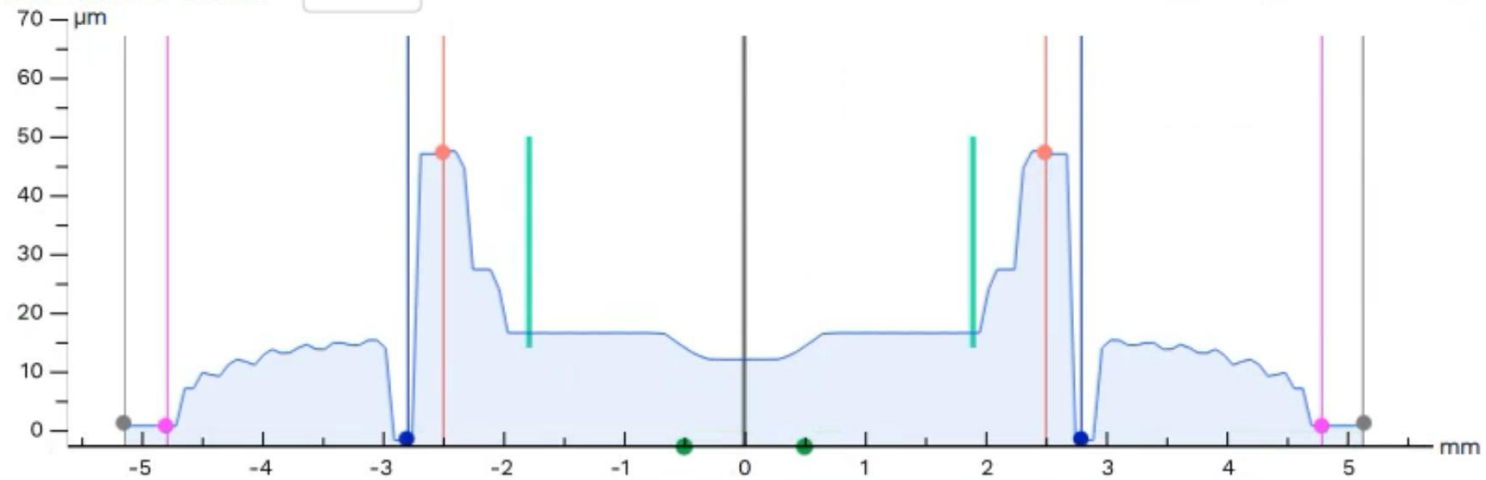


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| TL (μm) | 1.4 | 0.5 | 17.7 | 52.3 | 11.2 | 38.1 | 3.4 | 38.9 | 62.6 |
| SAG (μm) | 1992 | 1736 | 566 | 414 | 0 | 414 | 566 | 1736 | 1992 |
| DIA (mm) | 10.30 | 9.60 | 5.60 | 5.00 | 0 | 5.00 | 5.60 | 9.60 | 10.30 |

Curvature Back

70 ▾

Tear Layer Mode: Axial ⓘ

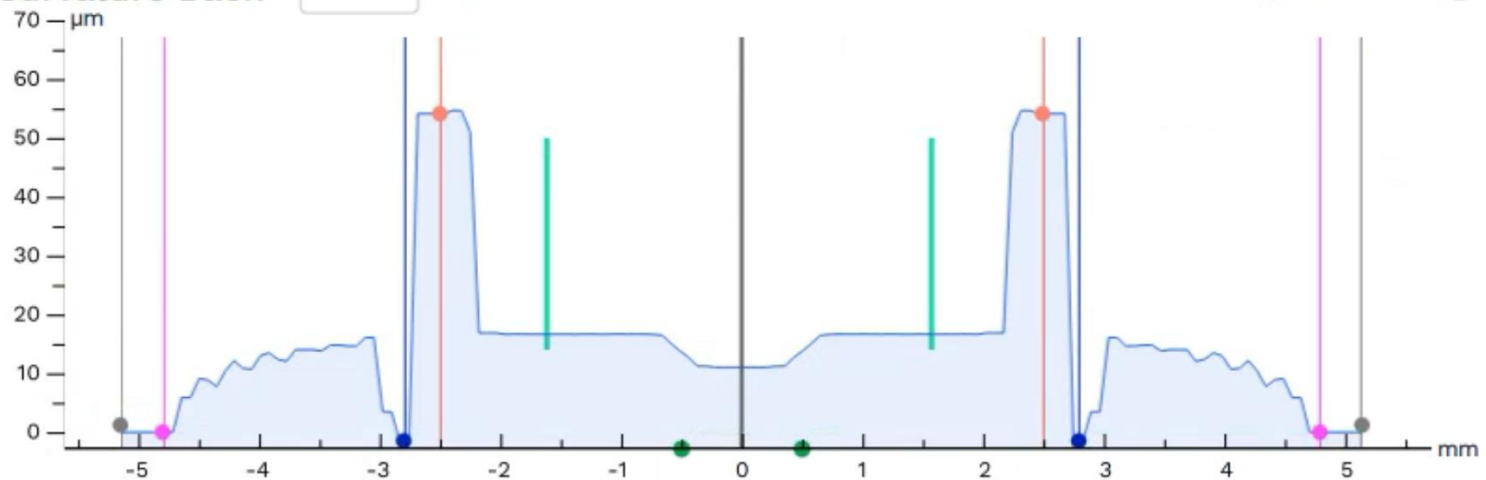


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| TL (μm) | 61.0 | 38.4 | 2.4 | 30.2 | 8.1 | 42.1 | 13.9 | 0.1 | 2.9 |
| SAG (μm) | 2005 | 1744 | 567 | 421 | 0 | 421 | 567 | 1744 | 2005 |
| DIA (mm) | 10.30 | 9.60 | 5.60 | 5.00 | 0 | 5.00 | 5.60 | 9.60 | 10.30 |

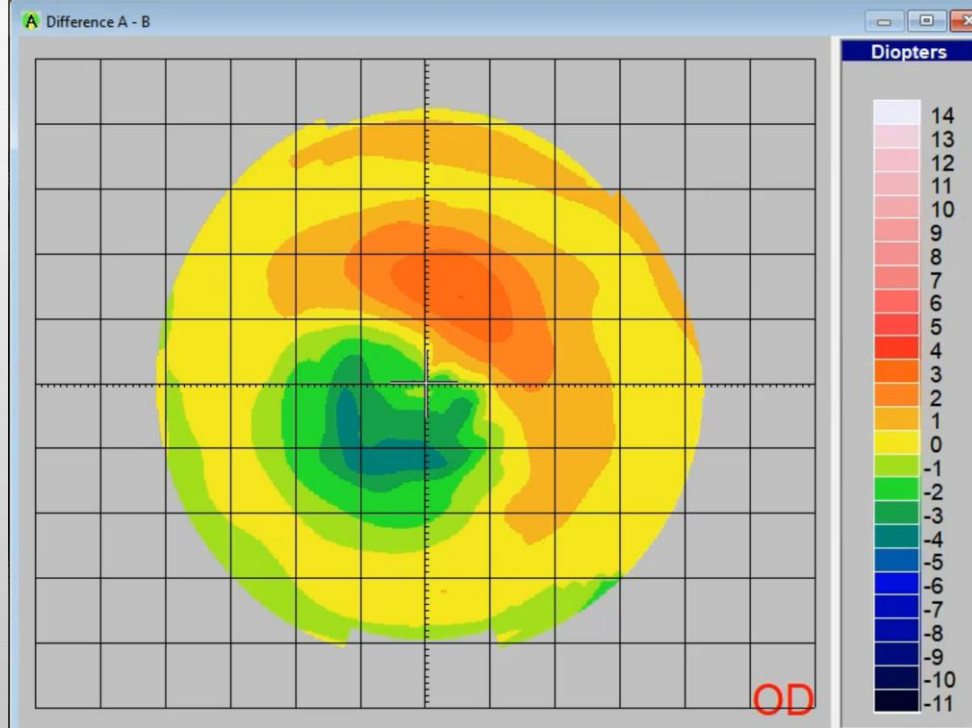
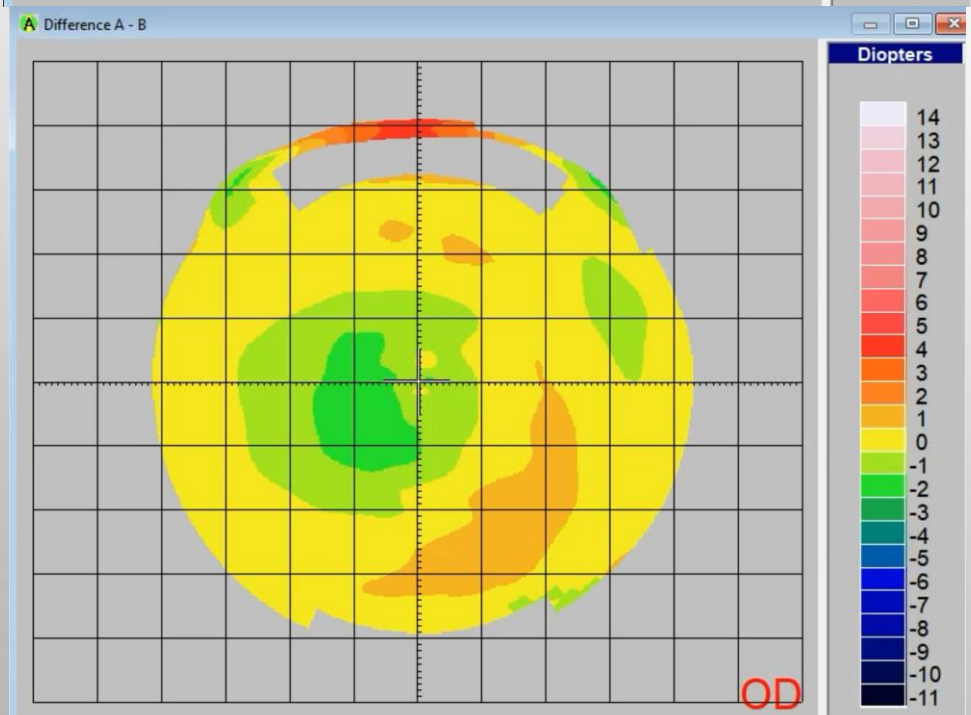
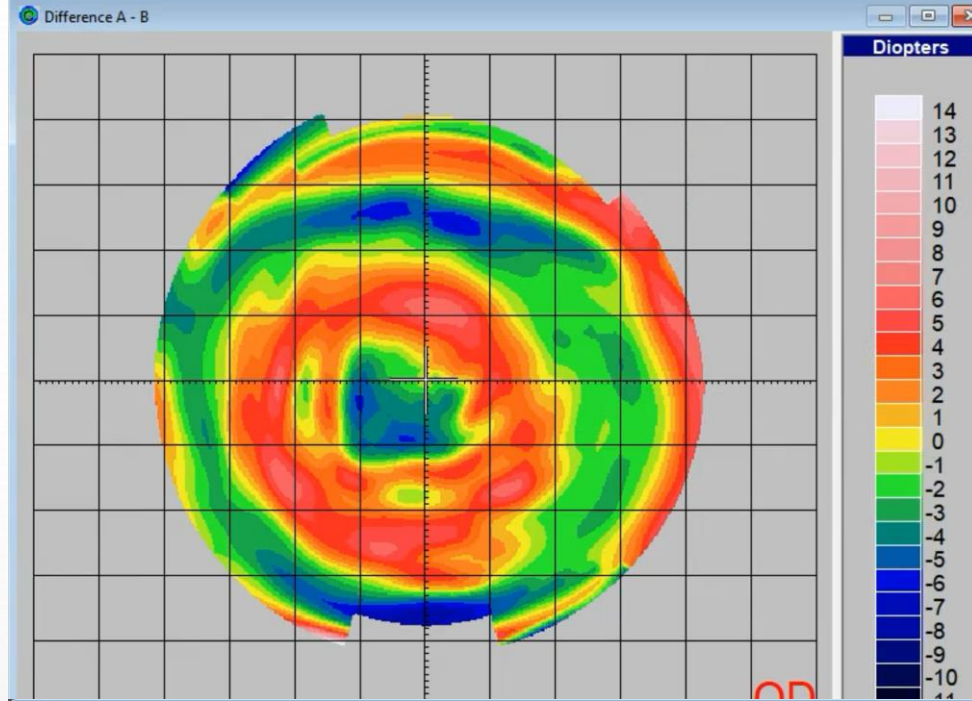
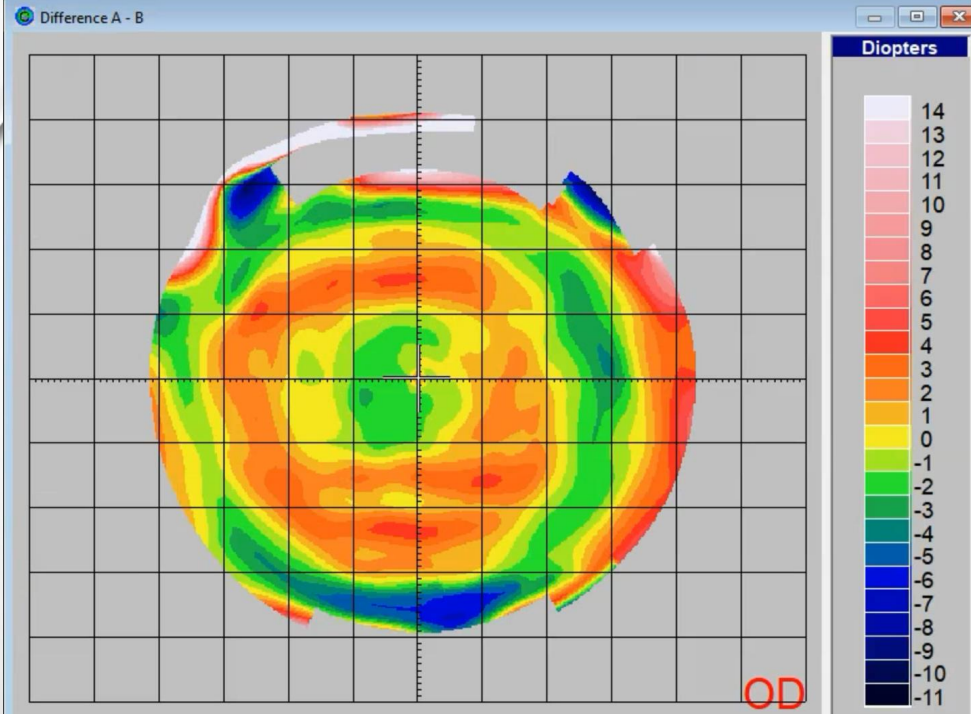
Curvature Back

70 ▾

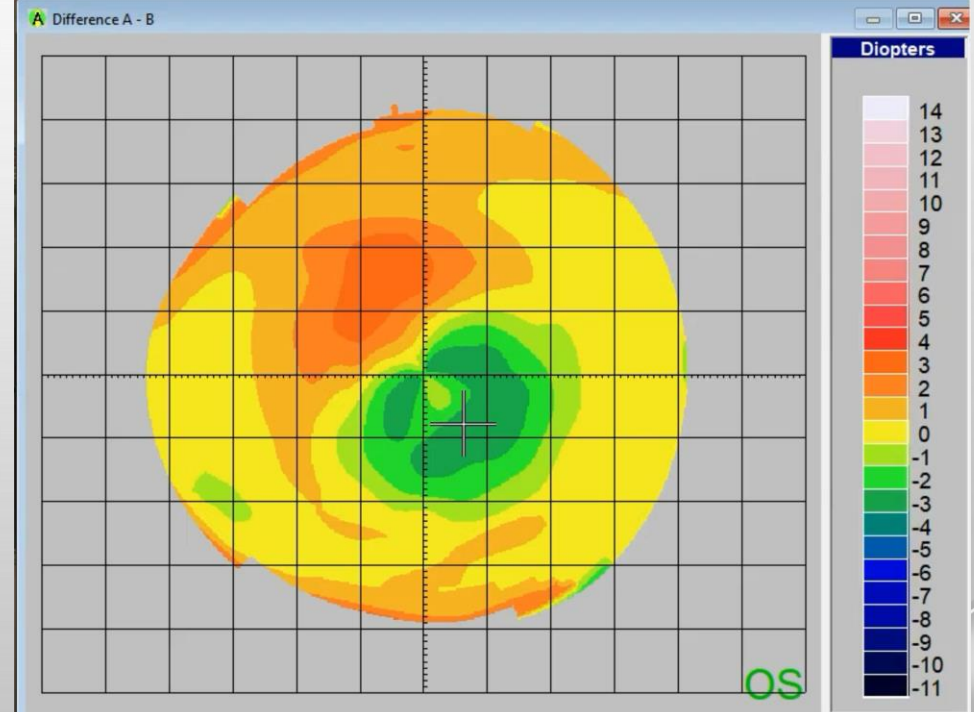
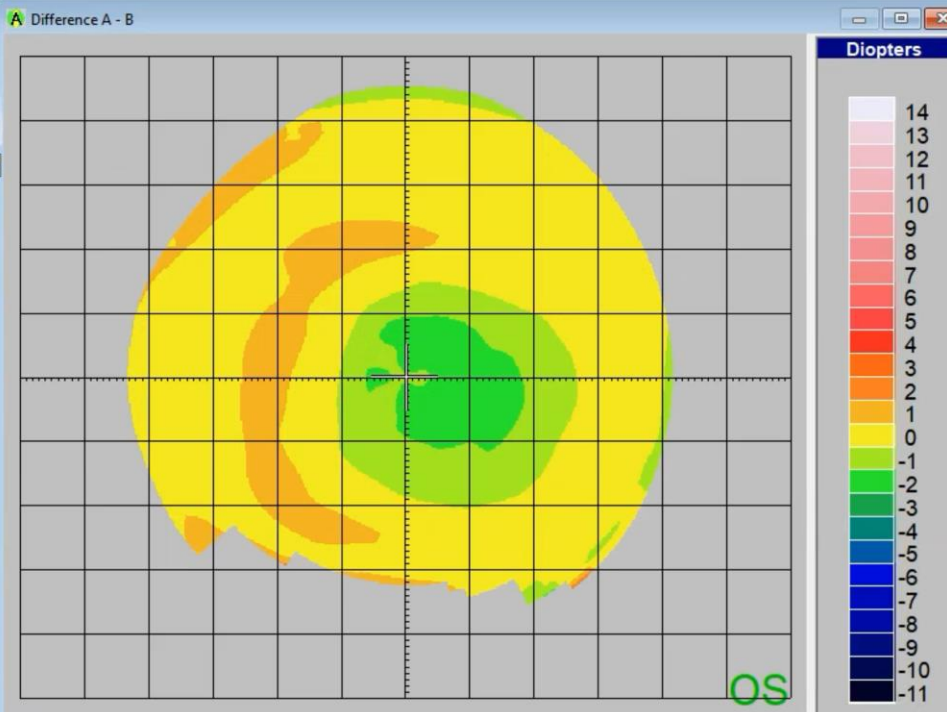
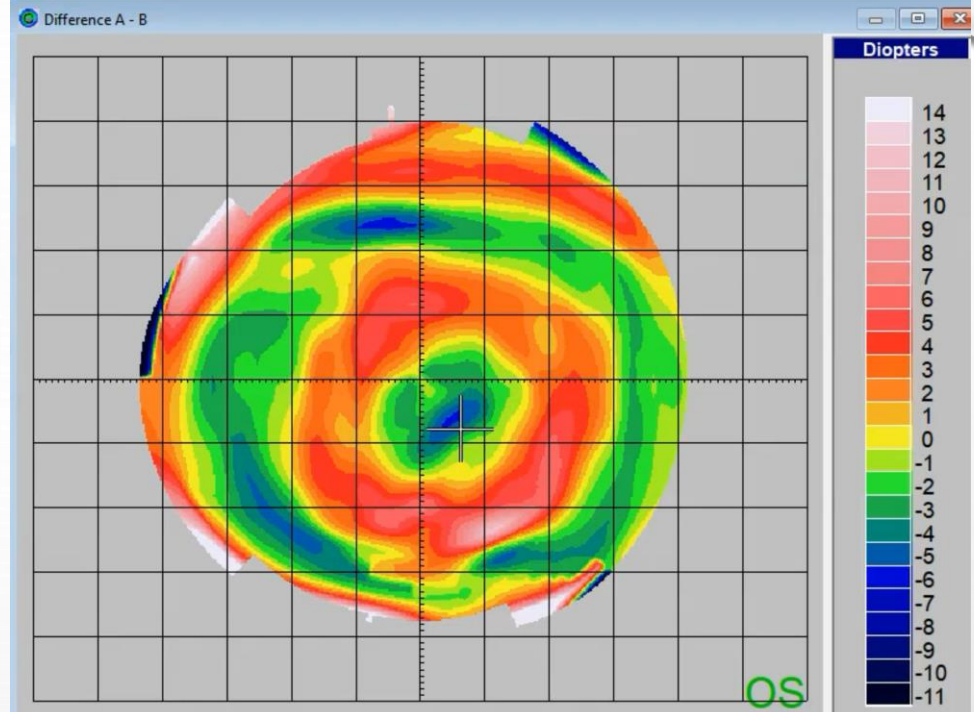
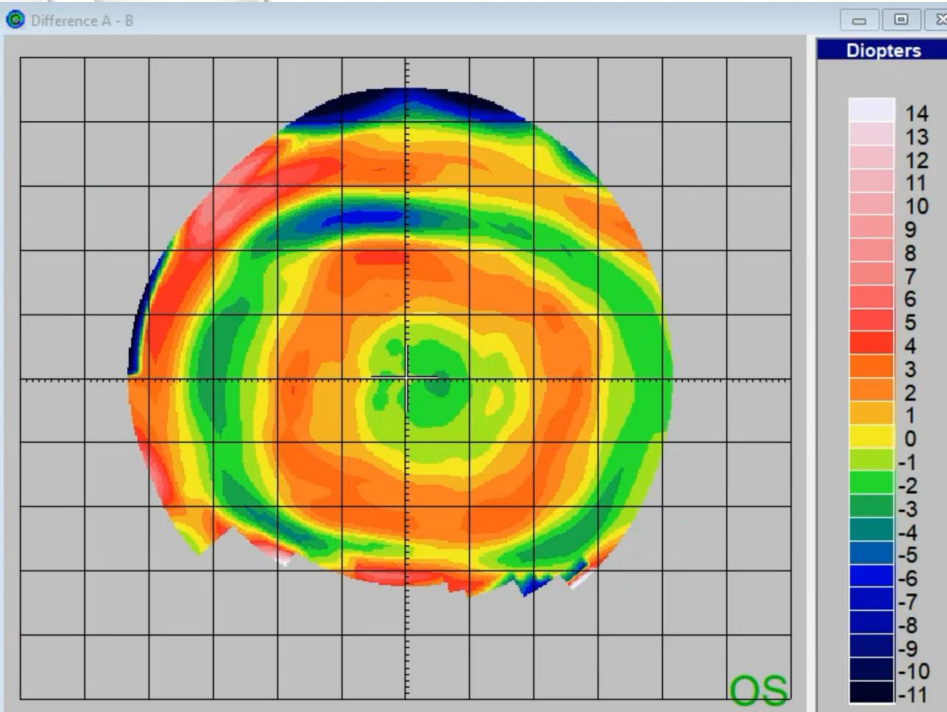
Tear Layer Mode: Axial ⓘ



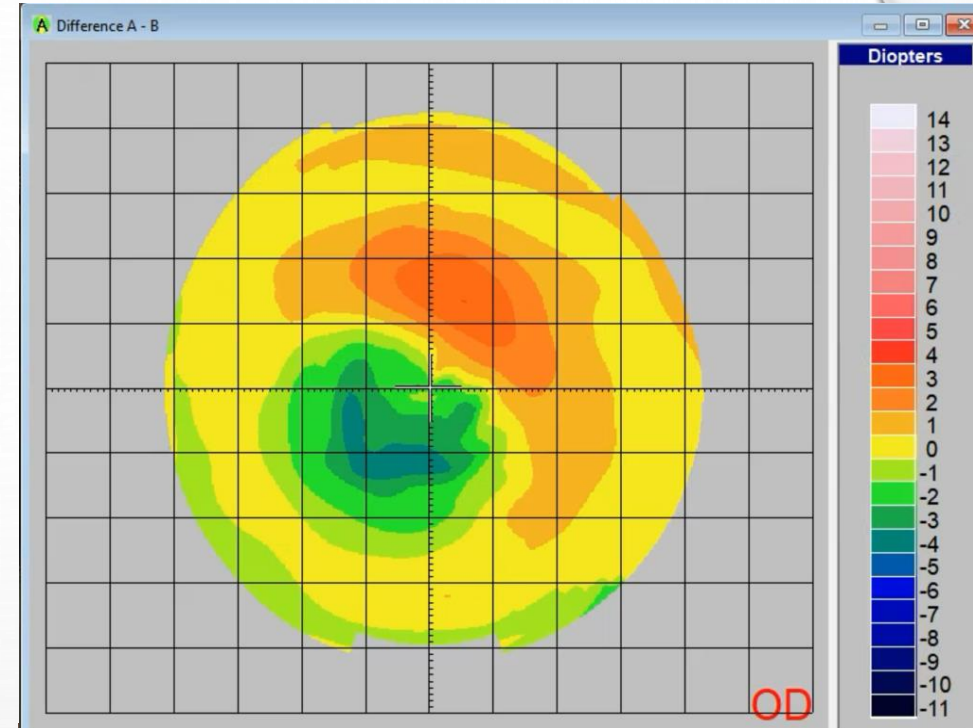
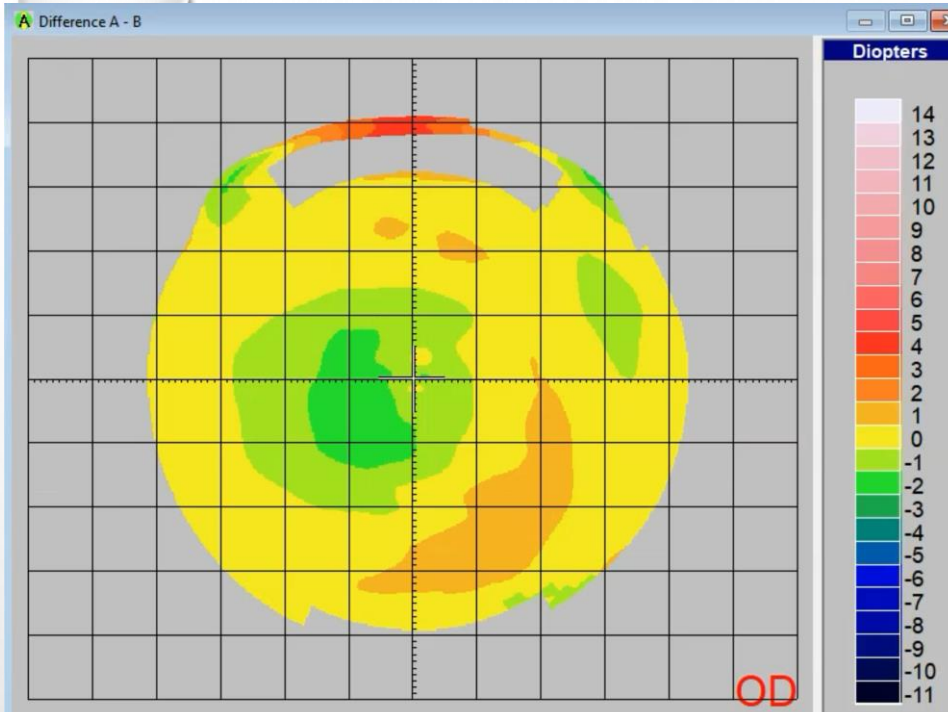
| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| TL (μm) | 1.4 | 0.5 | 17.7 | 52.3 | 11.2 | 38.1 | 3.4 | 38.9 | 62.6 |
| SAG (μm) | 1992 | 1736 | 566 | 414 | 0 | 414 | 566 | 1736 | 1992 |
| DIA (mm) | 10.30 | 9.60 | 5.60 | 5.00 | 0 | 5.00 | 5.60 | 9.60 | 10.30 |



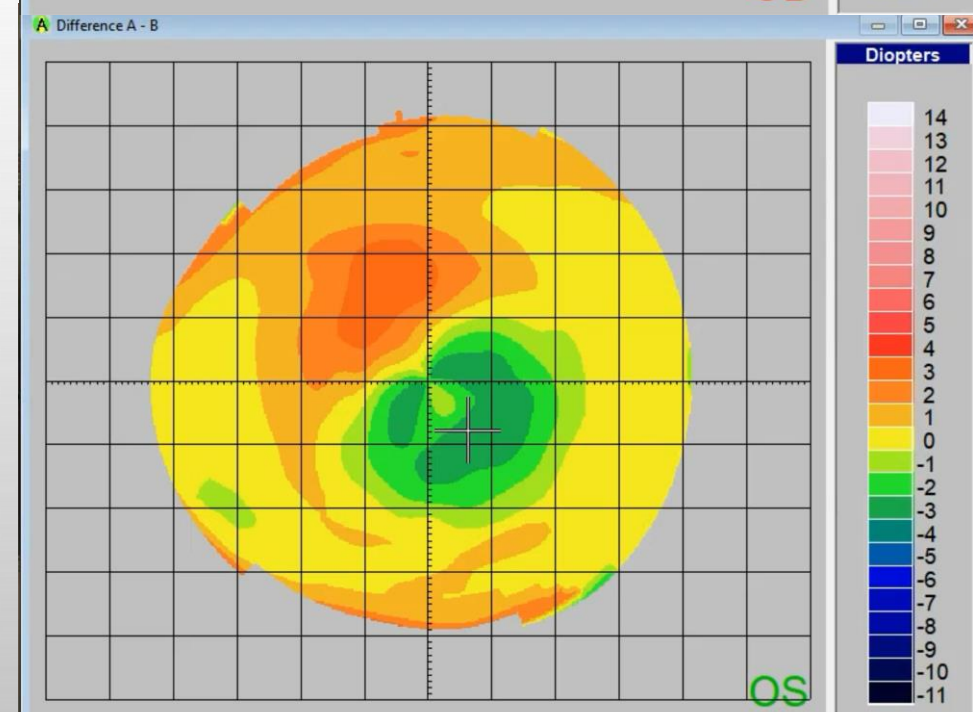
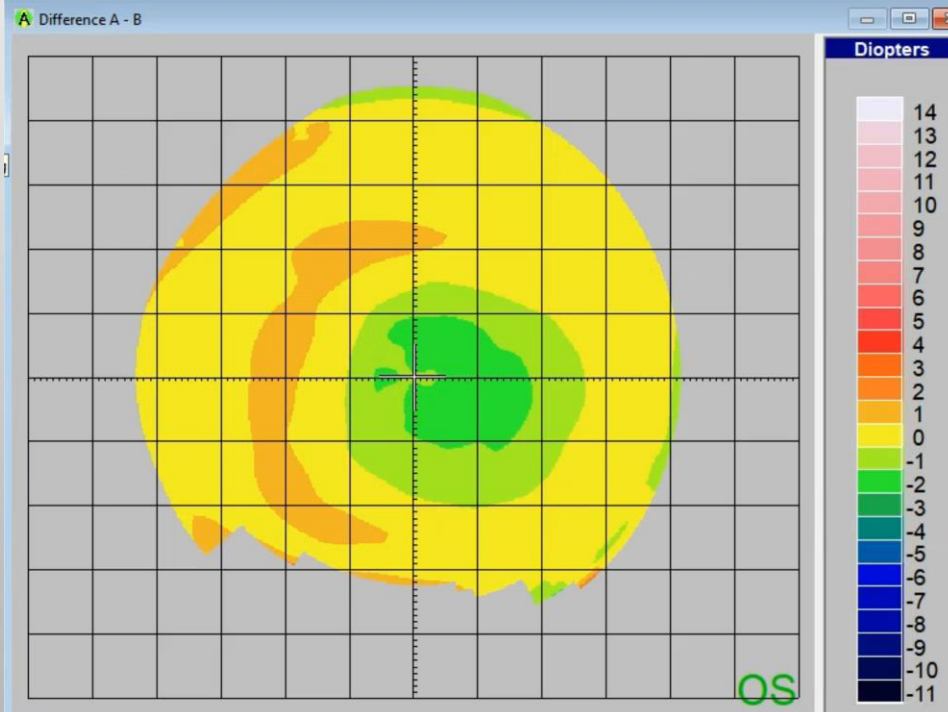
-0.60



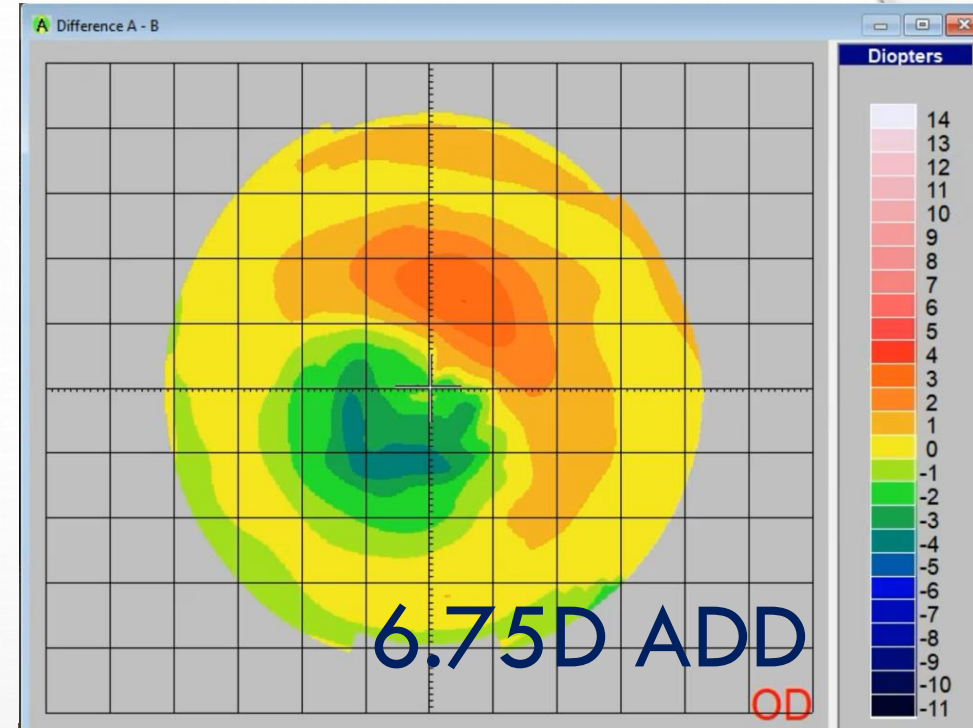
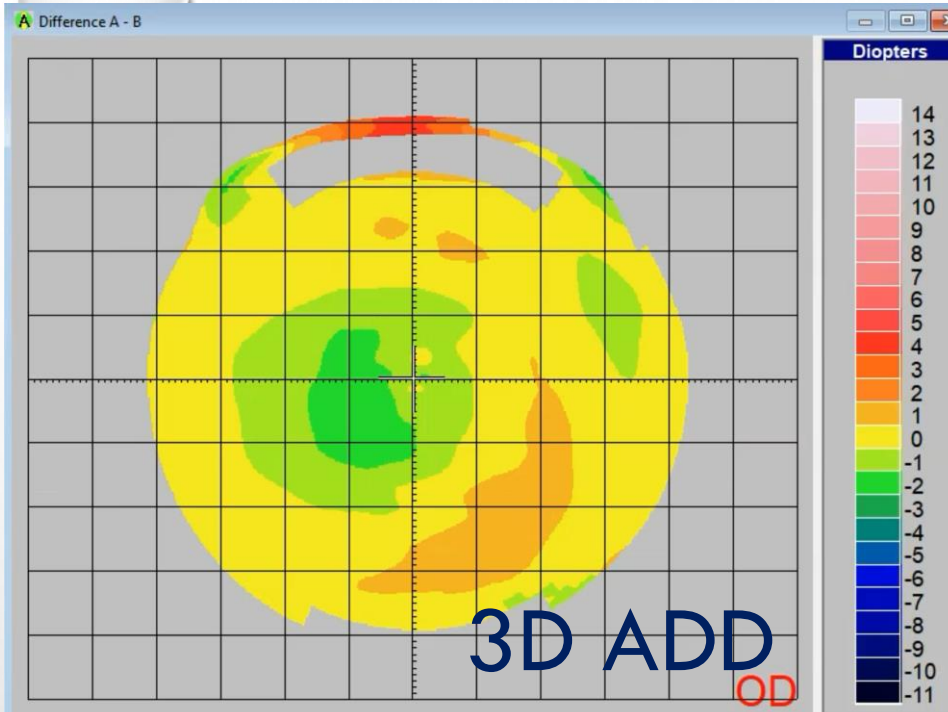
-0.80



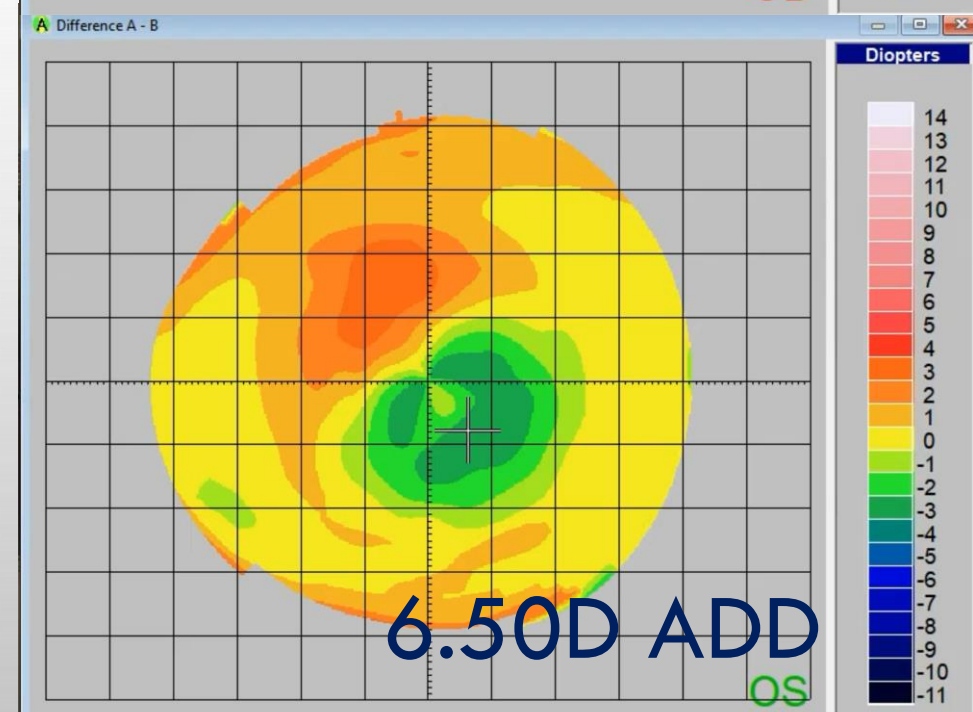
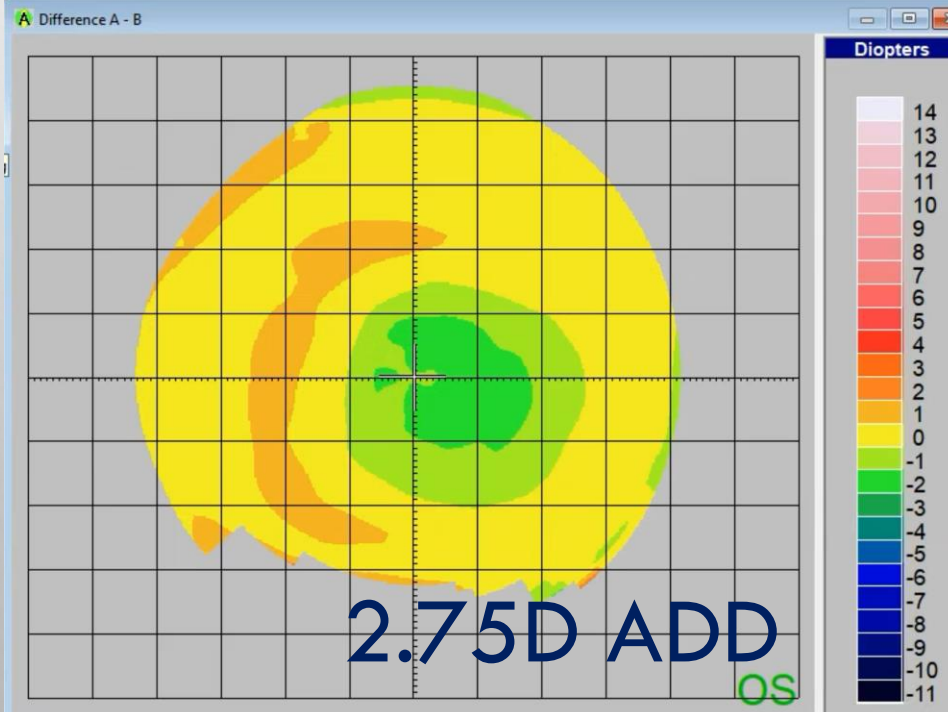
-0.60



-0.80



-0.60



-0.80

SUMMARIES

| S-Factor | Original Add | Subsequent Add | Δ (D) | Δ (%) |
|----------|--------------|----------------|--------------|--------------|
| -0.40 | 5.50 D | 8.25 D | +2.75 D | 150% |
| -0.60 | 3.00 D | 6.75 D | +3.75 D | 225% |
| -0.80 | 2.75 D | 6.50 D | +3.75 D | 236% |

CASE 3

- AW, 8 Y/O ASIAN FEMALE

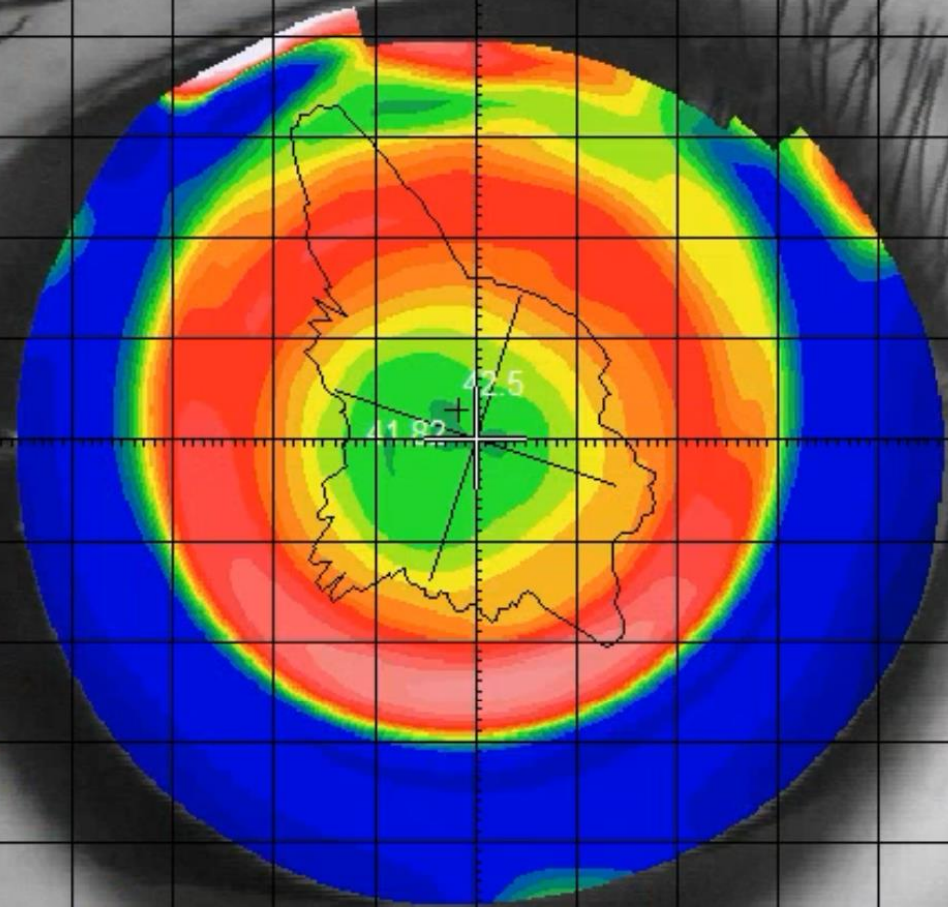
CASE 3

- AW, 8 Y/O ASIAN FEMALE
- ORTHO-K X 10 MONTHS

CASE 3

- AW, 8 Y/O ASIAN FEMALE
- ORTHO-K X 10 MONTHS
- BASELINE REFRACTIVE ERROR: -375 DS

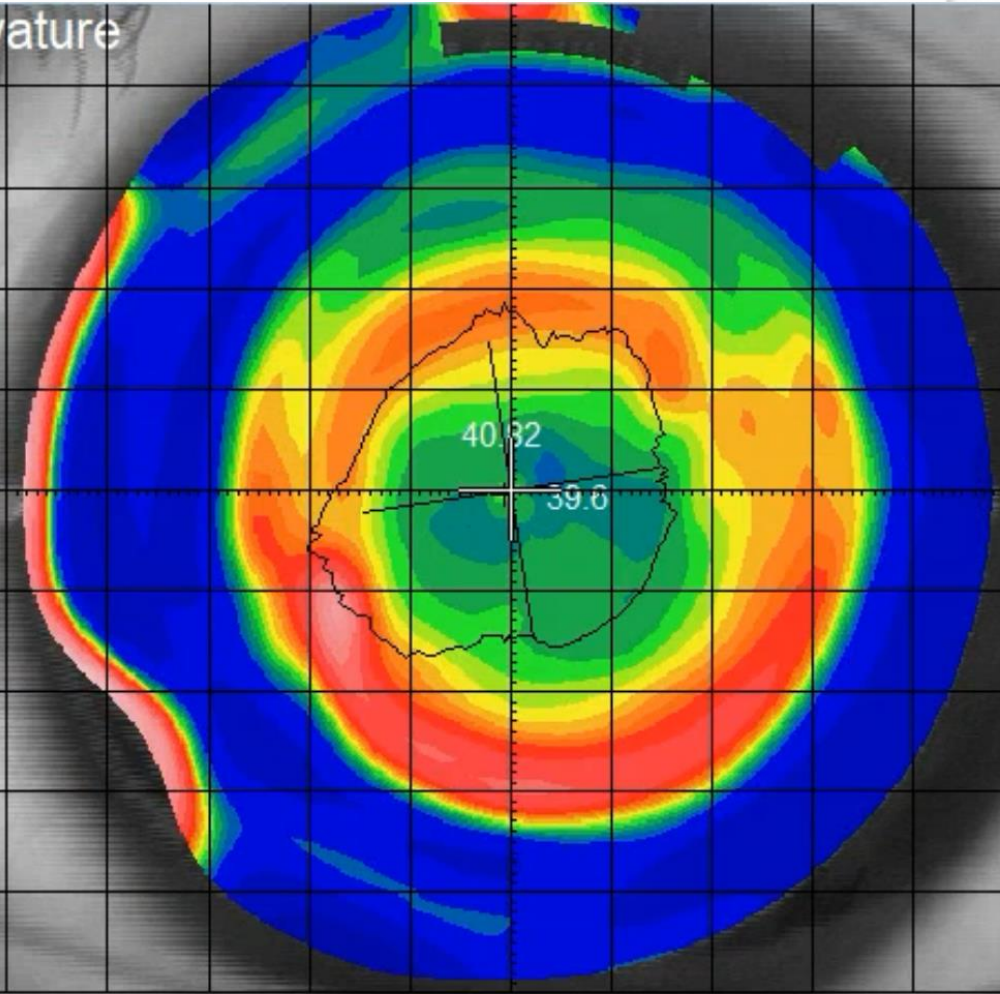
Curvature



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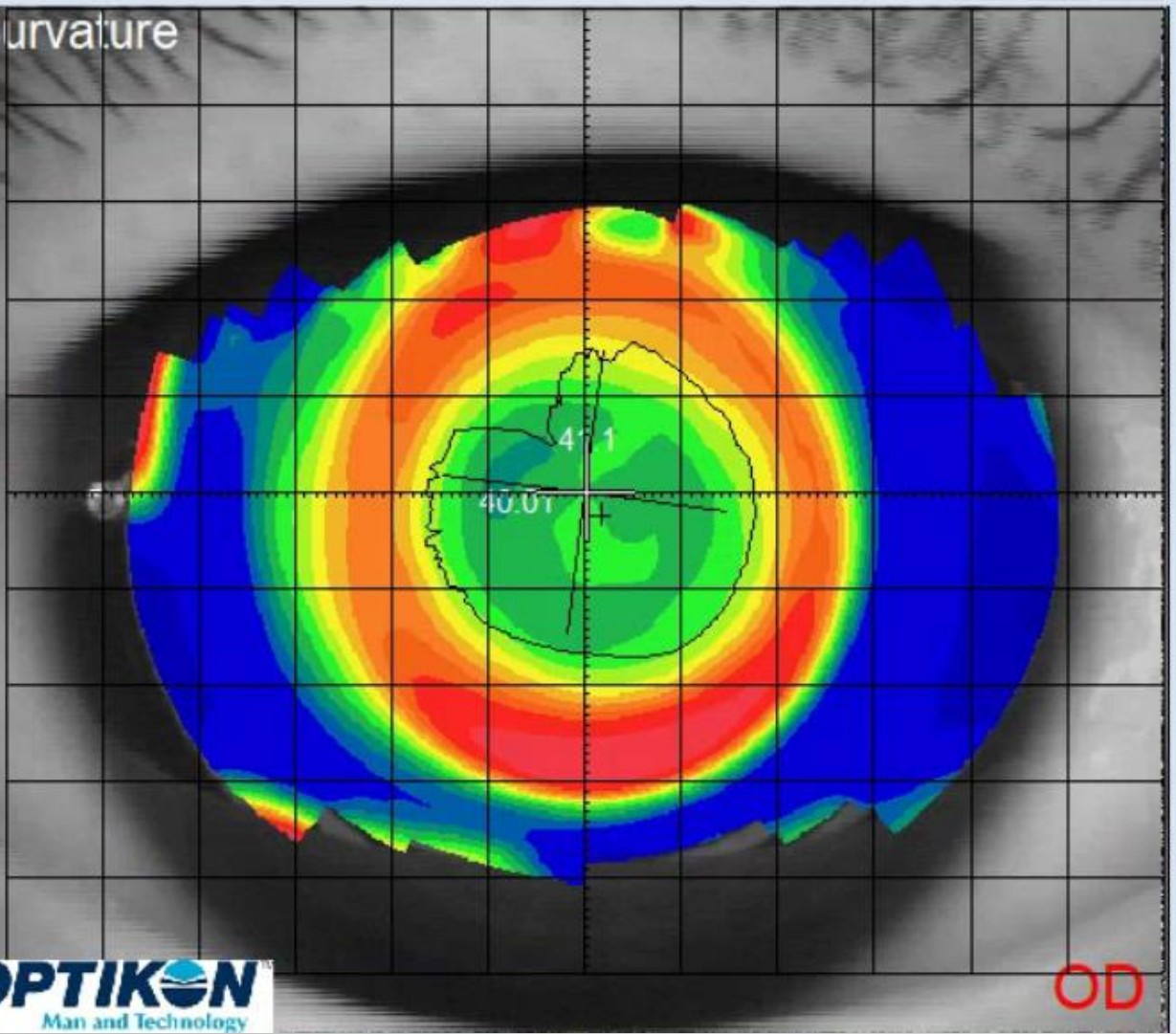
Curvature



OS

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Man and Technology

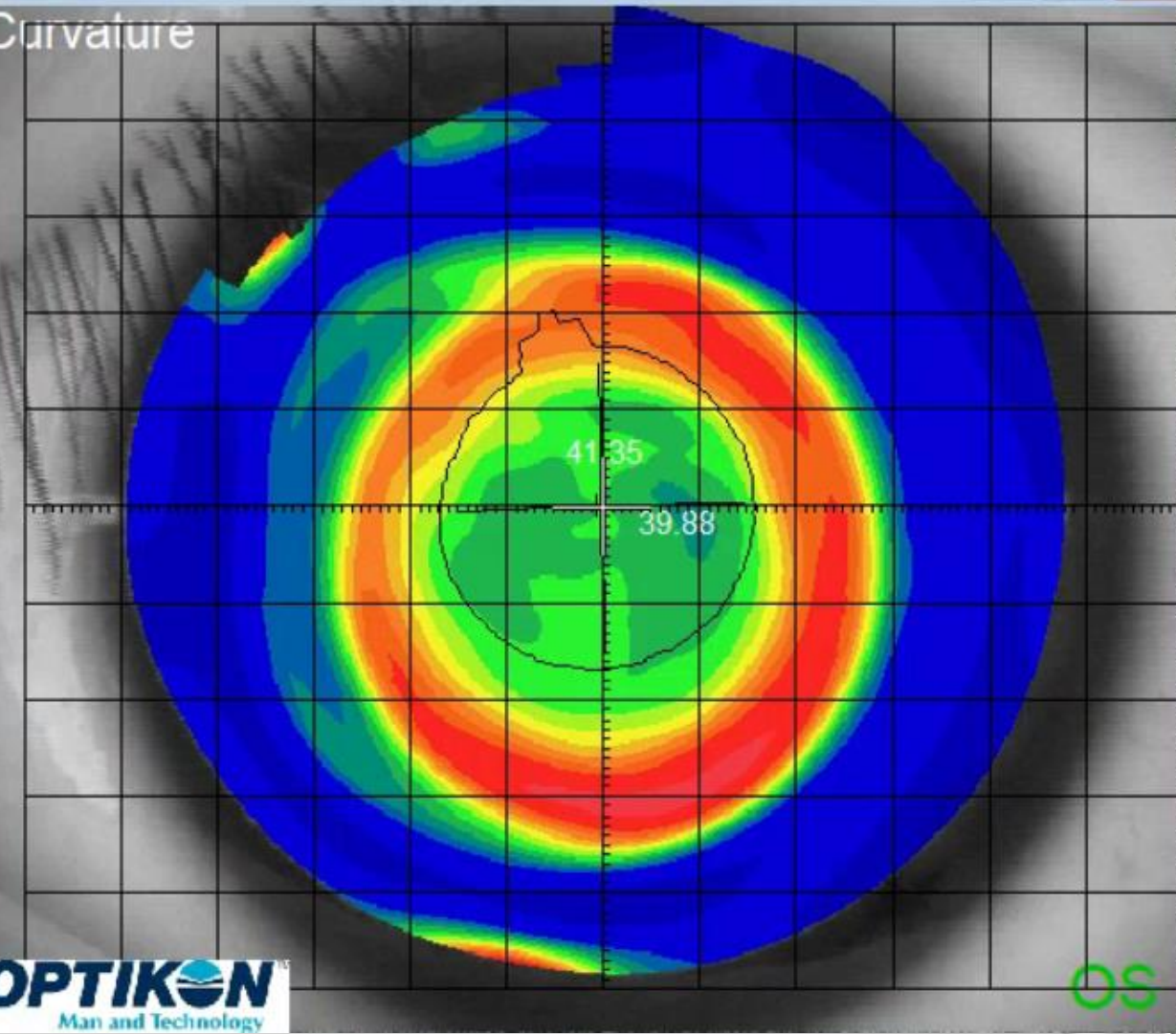
Curvature



OPTIKON
Man and Technology

OD

Curvature



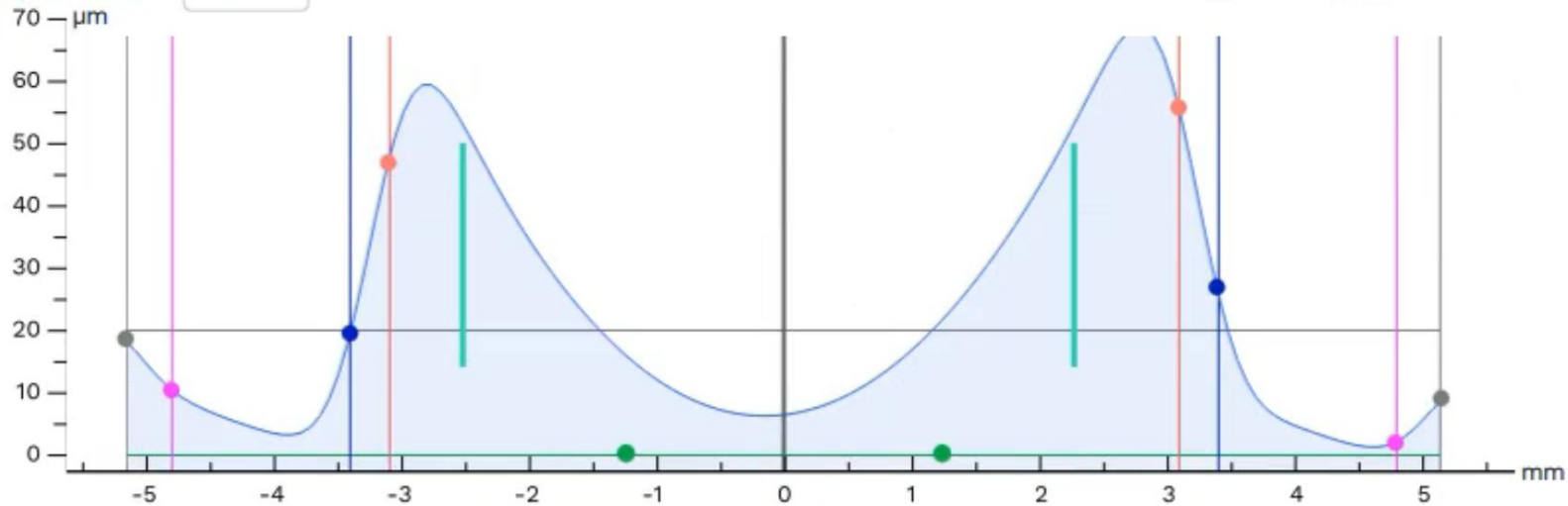
OPTIKON
Man and Technology

OS

Tearfilm

70 ▾

Tear Layer Mode: Axial ⓘ

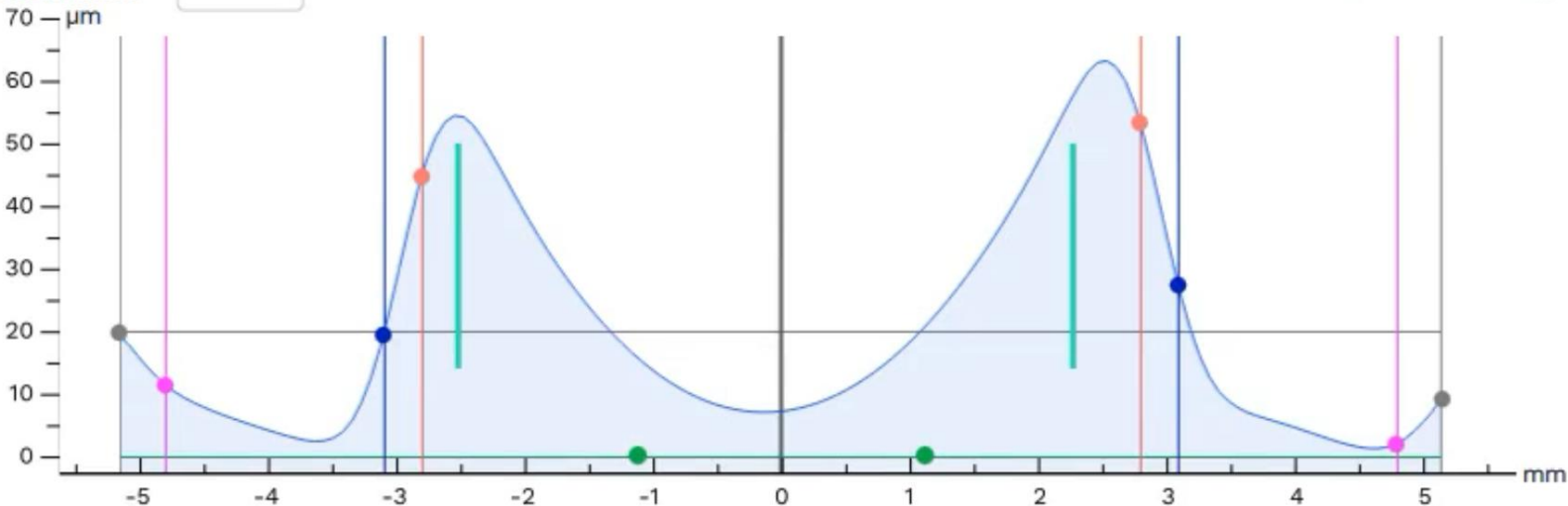


| TL (μm) | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|---------|------|------|------|------|-------------------|------|------|-----|------|
| | 18.4 | 10.2 | 19.3 | 46.7 | 6.2 | 55.4 | 26.6 | 1.8 | 8.9 |

Tearfilm

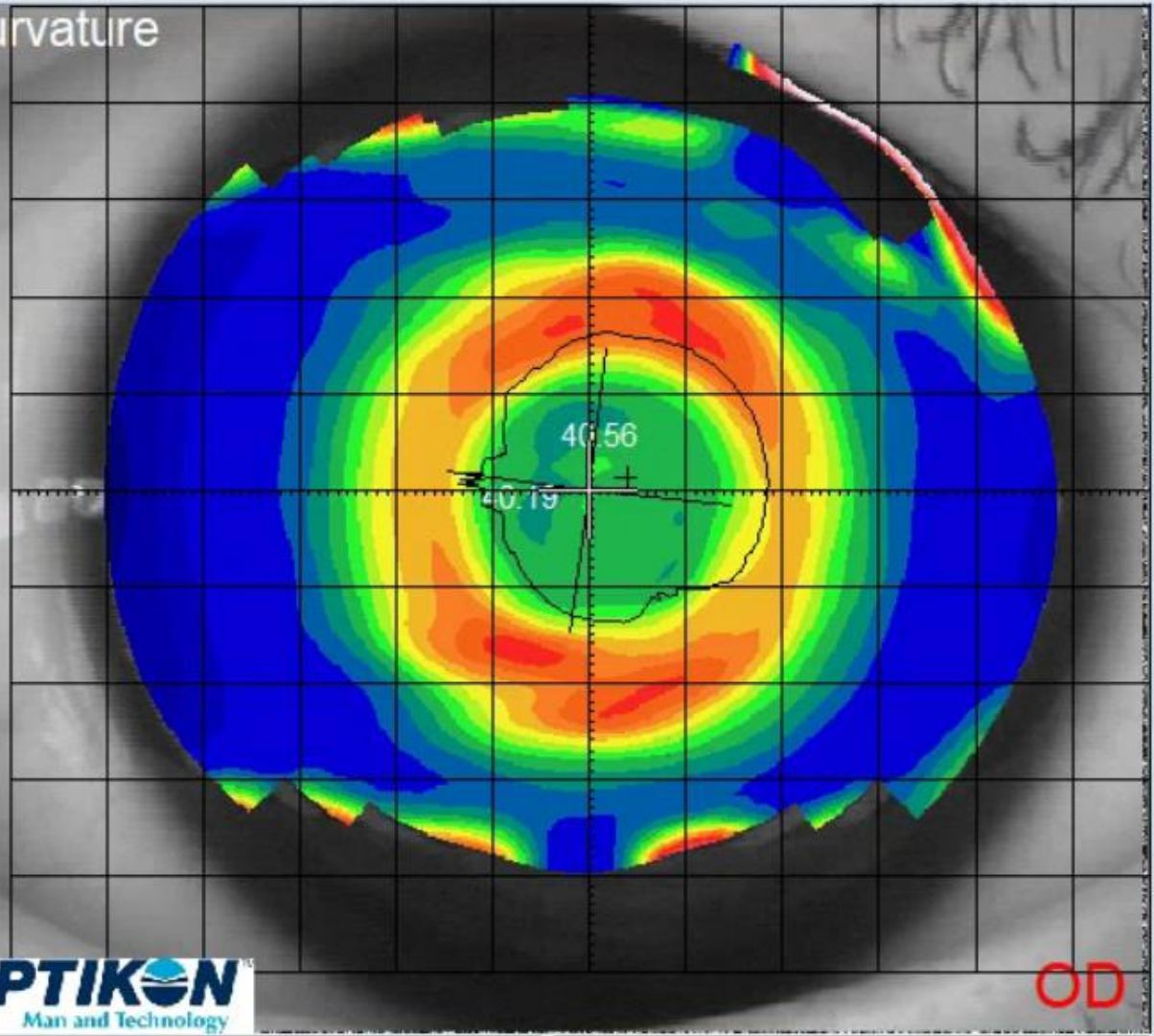
70 ▾

Tear Layer Mode: Axial ⓘ



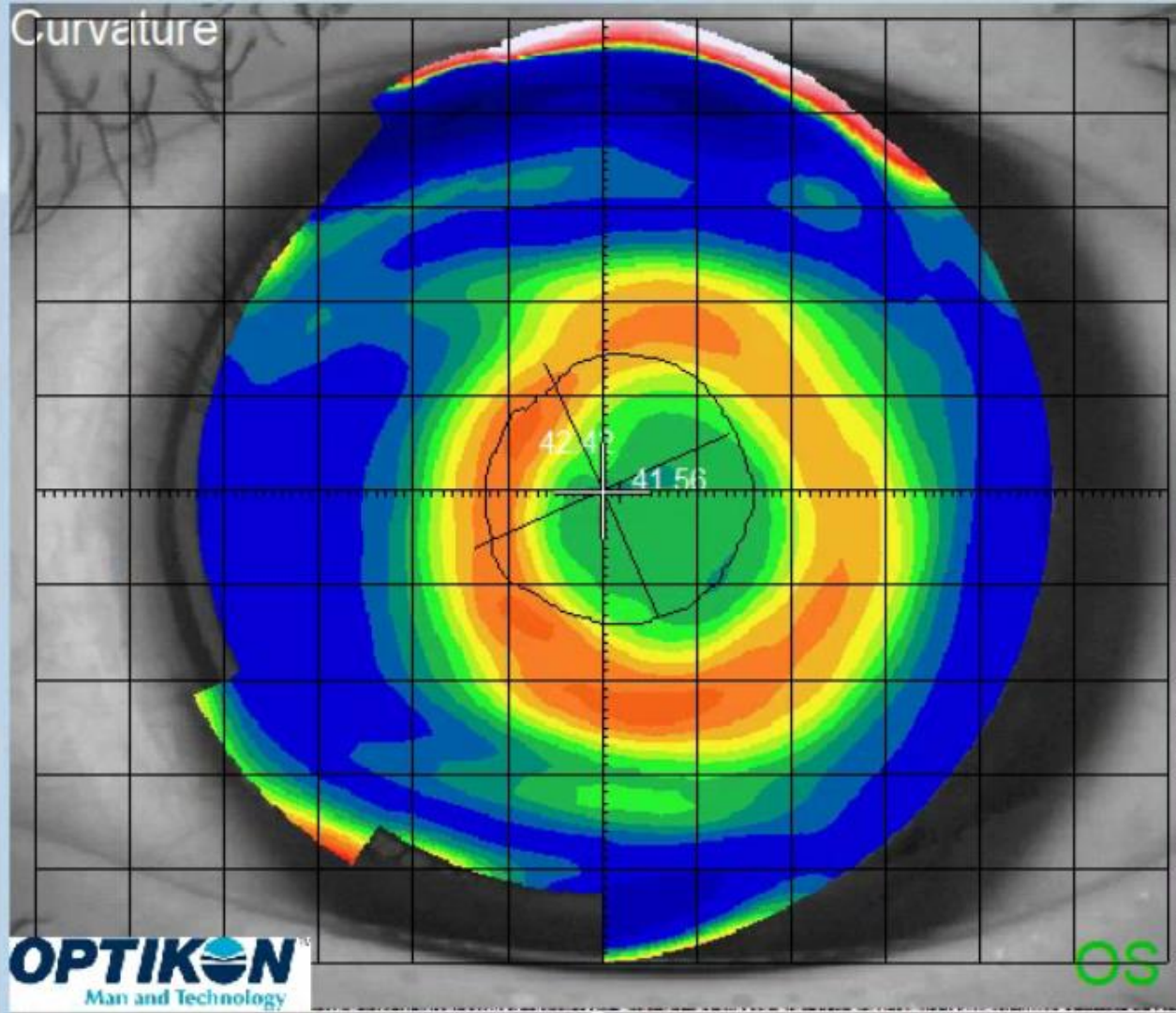
| TL (μm) | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|------|------|------|-------------------|------|------|------|-------|
| | 19.6 | 11.3 | 19.3 | 44.6 | 7.0 | 53.3 | 27.4 | 1.8 | 9.0 |
| SAG (μm) | 1827 | 1575 | 616 | 471 | 0 | 471 | 616 | 1575 | 1827 |
| DIA (mm) | 10.32 | 9.60 | 6.20 | 5.60 | 0 | 5.60 | 6.20 | 9.60 | 10.32 |

Curvature

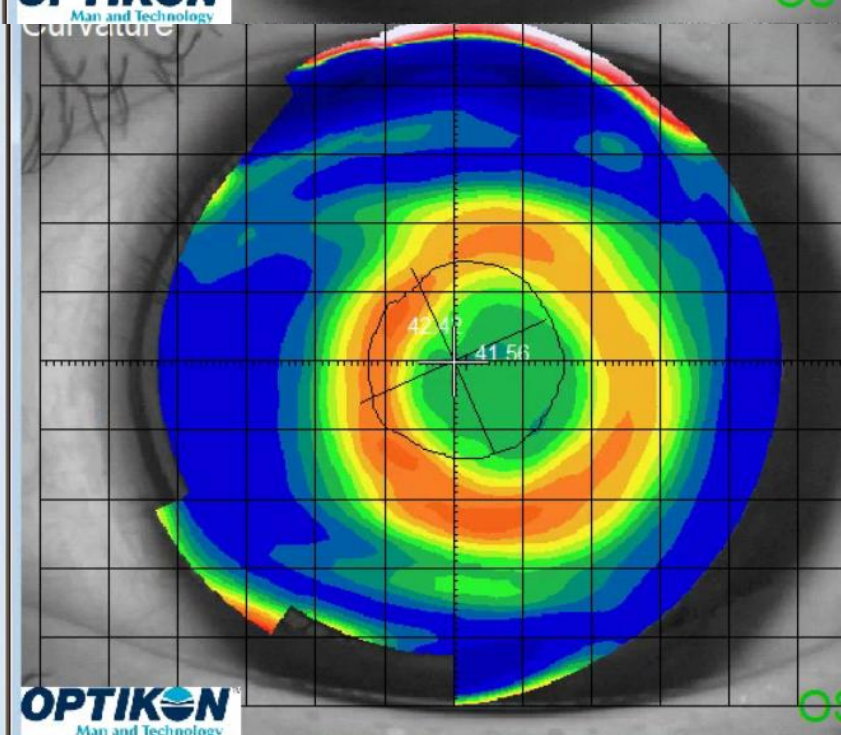
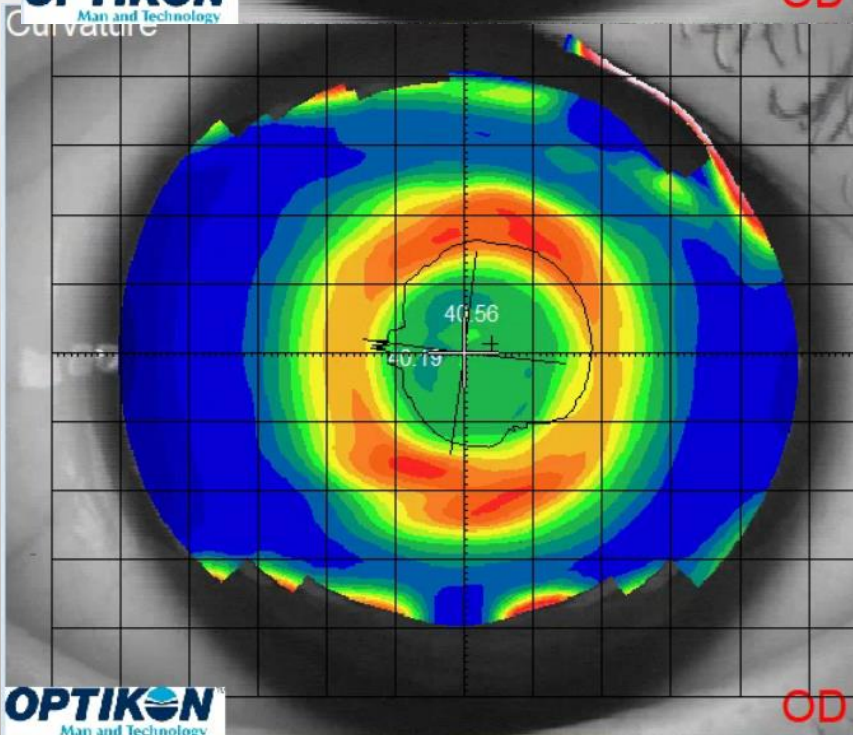
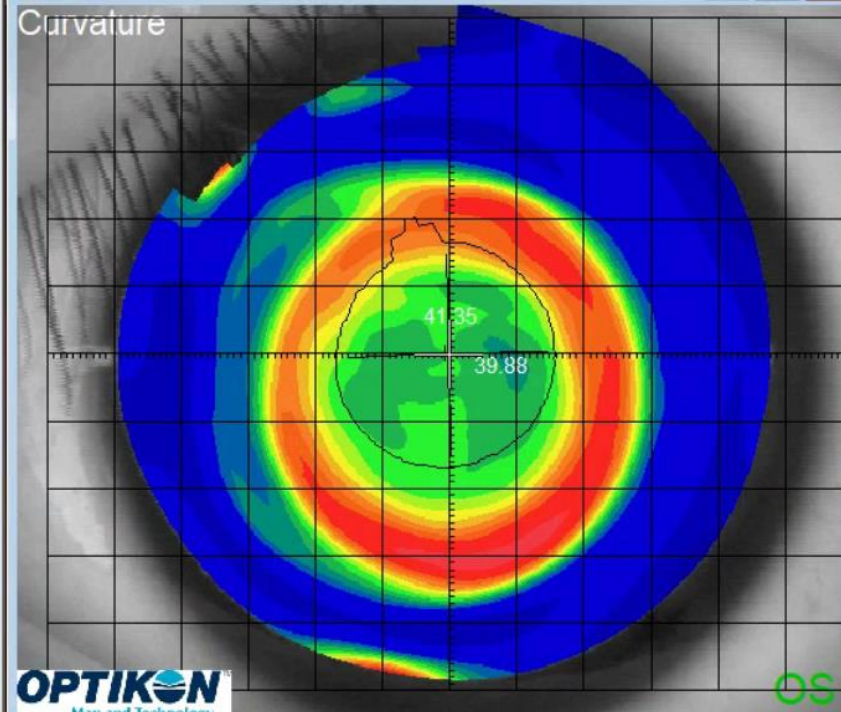
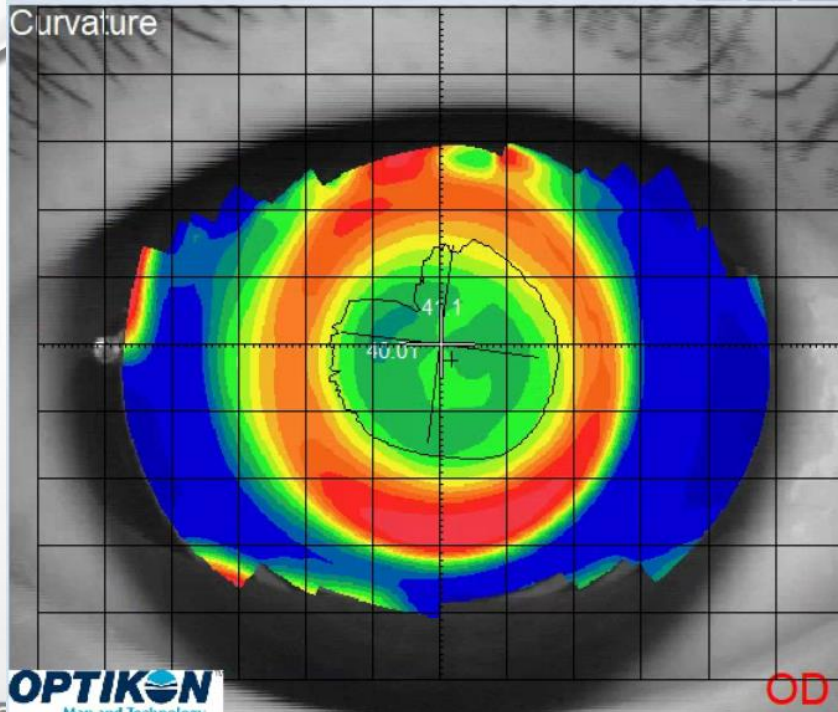


OD

Curvature



OS



The image features a light gray background with a subtle gradient. In the top-left and bottom-right corners, there are several realistic-looking water droplets of various sizes, some overlapping. The text is centered in the upper half of the image.

CASE 3 (4 YEARS LATER)

CASE 3 (4 YEARS LATER)



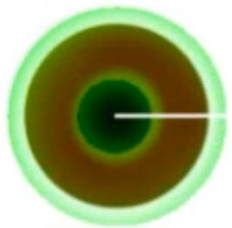
CASE 3 (4 YEARS LATER)



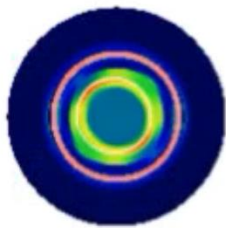
Map AVG

Quad View ▼

Fluorescein Map

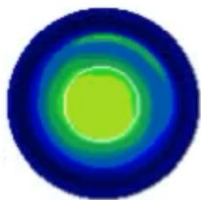


Curvature Front

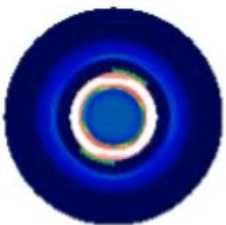


-1.25 0.00 x 180

Topography



Curvature Back



K = 7.85

FForm

GSym

1.01D x 155

Manual Modification

ALL 1/2 1/4

Modification Increments

S (D)

1x

0.00

MB

Modification Area



OR_X

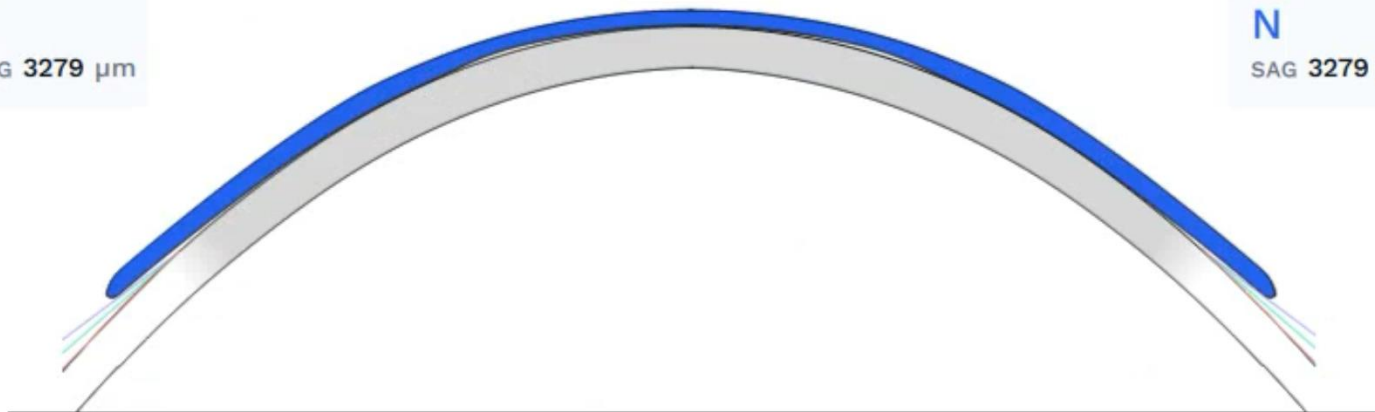
Lens Profile



CT (mm) 0.18 ET (mm) 0.22 OAD (mm) 14.30

T
SAG 3279 μm

N
SAG 3279 μm



DEMAND 6.26 / 5.76D POWER +1.20D BASE CURVE 9.13mm

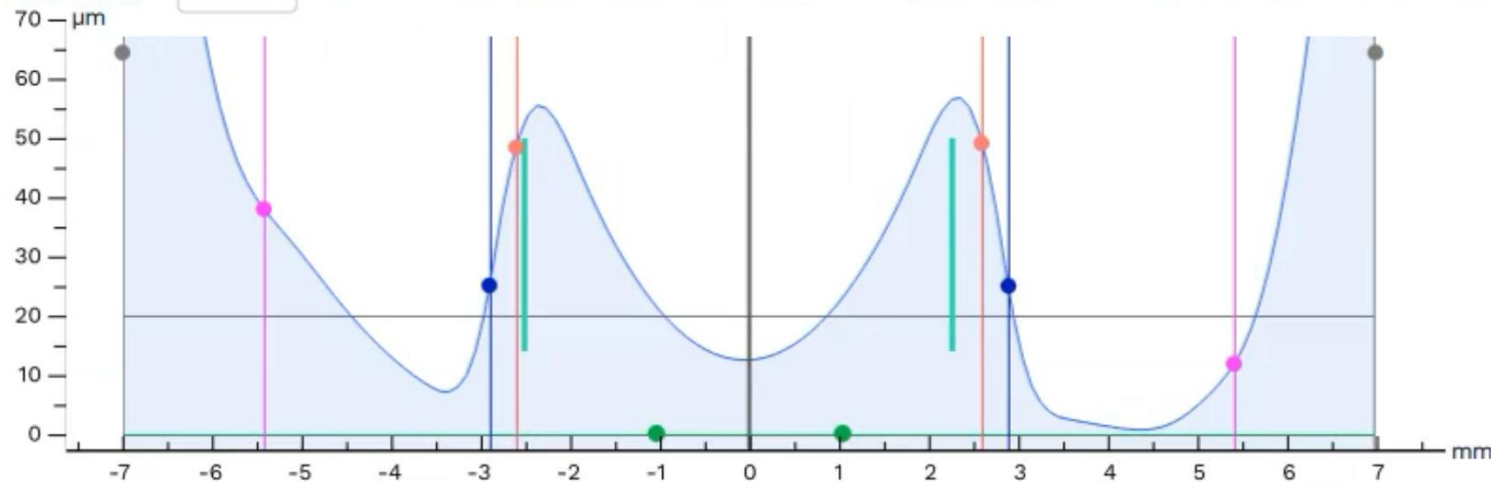
45° 41° 37°

Tearfilm

70

EDGE ANGLE 39.3° DEVIATION -66.9° LIFT ANGLE 40.0°

Tear Layer Mode: Axial

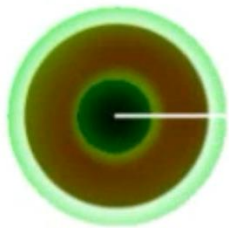


| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------|--------|-------|------|------|-------------------|------|------|-------|--------|
| TL (μm) | 192.9 | 37.9 | 25.0 | 48.3 | 12.4 | 49.1 | 24.7 | 11.7 | 182.4 |
| SAG (μm) | 3279 | 2019 | 539 | 404 | 0 | 404 | 539 | 2019 | 3279 |
| DIA (mm) | 14.00 | 10.84 | 5.80 | 5.20 | 0 | 5.20 | 5.80 | 10.84 | 14.00 |

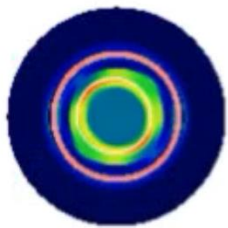
Map AVG

Quad View ▼

Fluorescein Map

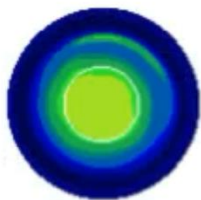


Curvature Front

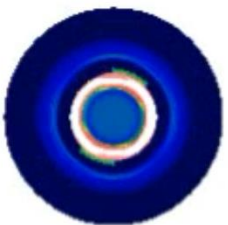


-1.25 0.00 x 180

Topography



Curvature Back



K = 7.85

FForm

GSym

1.01D x 155

Manual Modification

ALL 1/2 1/4

Modification Increments

S (D)

1x

0.00

MB

Modification Area



OR_X

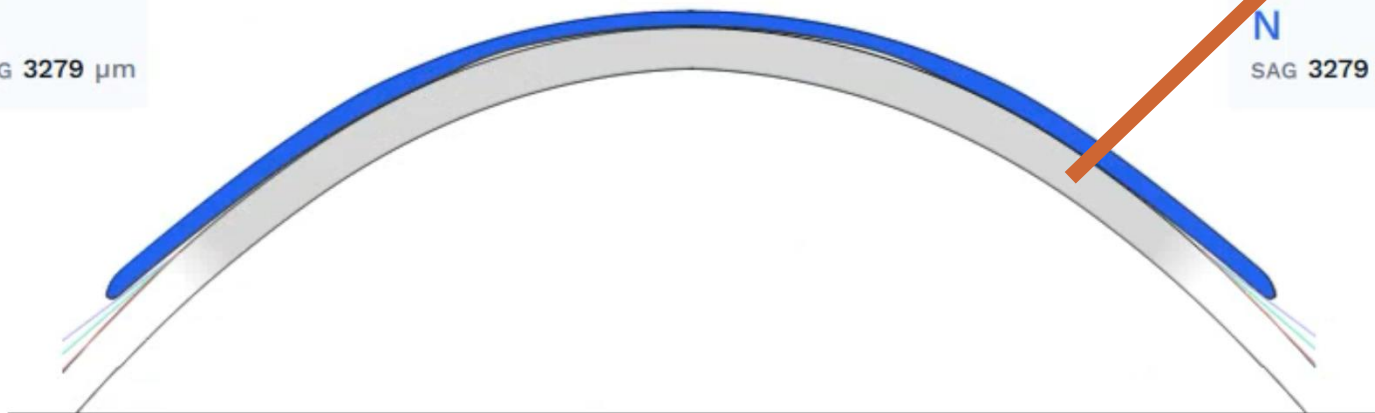
Lens Profile



CT (mm) 0.18 ET (mm) 0.22 OAD (mm) 14.30

T
SAG 3279 μ m

N
SAG 3279 μ m



DEMAND 6.26 / 5.76D POWER +1.20D BASE CURVE 9.13mm

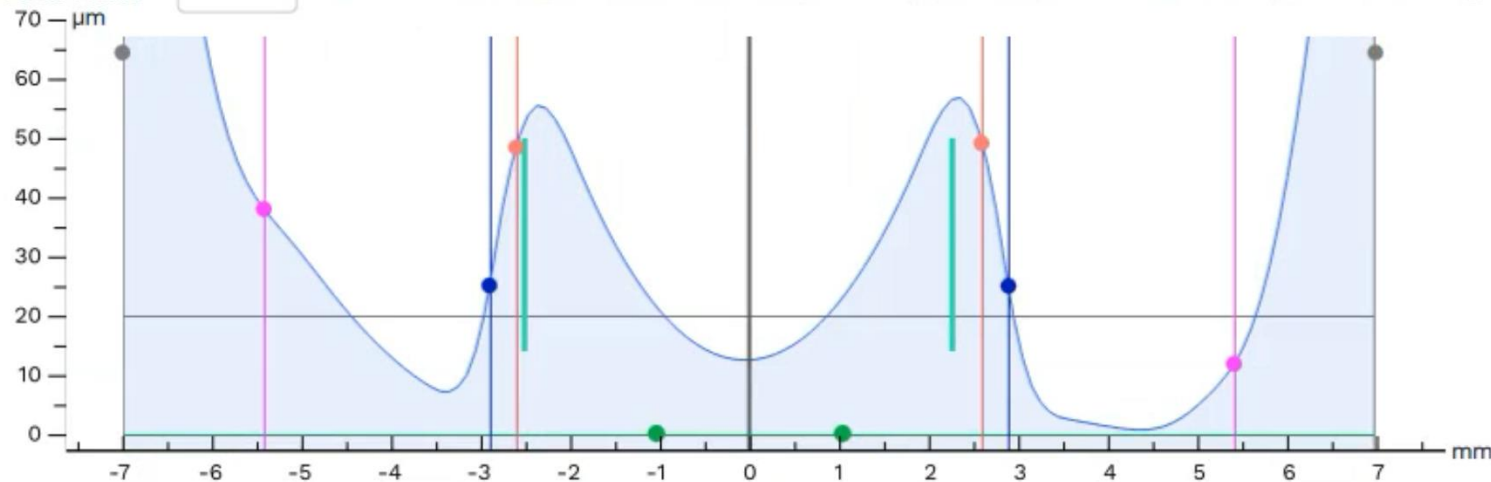
45° 41° 37°

Tearfilm

70

EDGE ANGLE 39.3° DEVIATION -66.9° LIFT ANGLE 40.0°

Tear Layer Mode: Axial

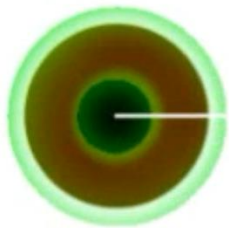


| | ● Edge | ● PC | ● IC | ● OZ | Central Clearance | ● OZ | ● IC | ● PC | ● Edge |
|----------------|--------|-------|------|------|-------------------|------|------|-------|--------|
| TL (μ m) | 192.9 | 37.9 | 25.0 | 48.3 | 12.4 | 49.1 | 24.7 | 11.7 | 182.4 |
| SAG (μ m) | 3279 | 2019 | 539 | 404 | 0 | 404 | 539 | 2019 | 3279 |
| DIA (mm) | 14.00 | 10.84 | 5.80 | 5.20 | 0 | 5.20 | 5.80 | 10.84 | 14.00 |

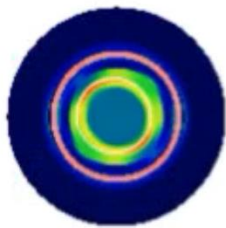
Map AVG

Quad View ▼

Fluorescein Map

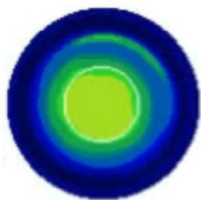


Curvature Front

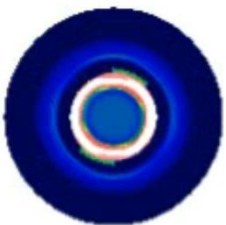


-1.25 0.00 x 180

Topography



Curvature Back



K = 7.85

FForm

GSym

1.01D x 155

Manual Modification

ALL 1/2 1/4

Modification Increments

S (D)

1x

0.00

MB

Modification Area



OR_x

Lens Profile



CT (mm) ET (mm) OAD (mm)

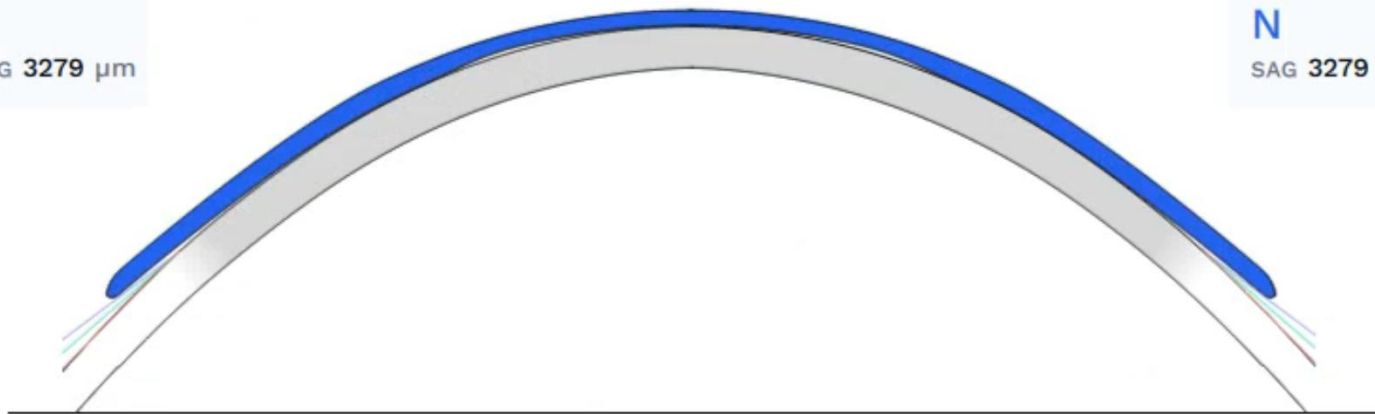
0.18

0.22

14.30

T
SAG 3279 μm

N
SAG 3279 μm



DEMAND 6.26 / 5.76D POWER +1.20D BASE CURVE 9.13mm

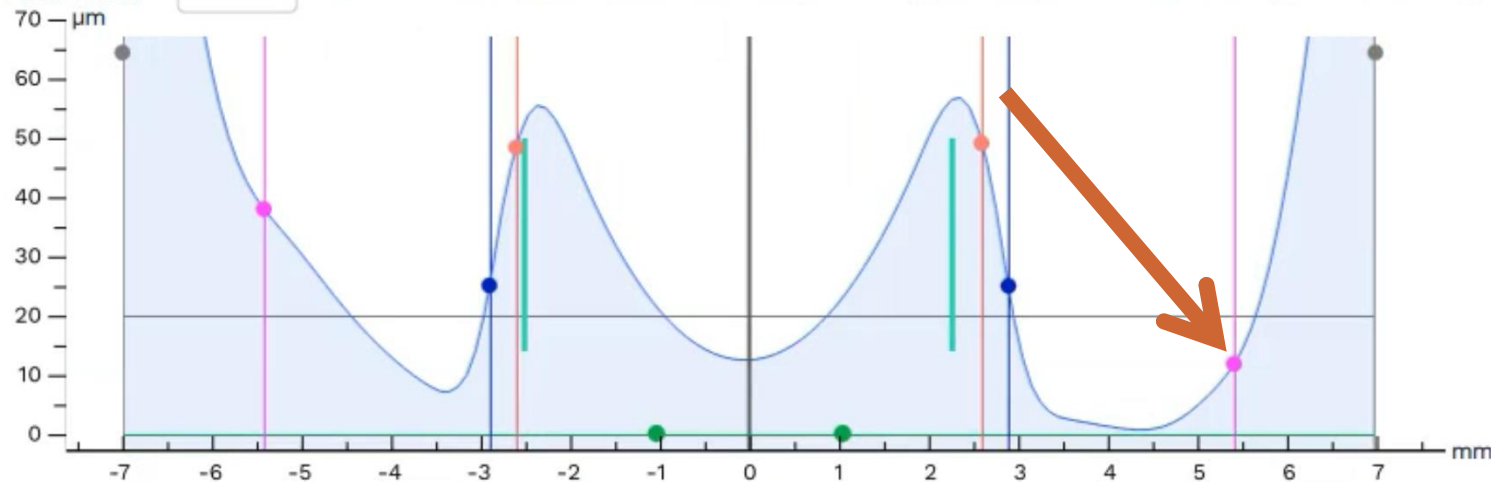
45° 41° 37°

Tearfilm

70

EDGE ANGLE 39.3° DEVIATION -66.9° LIFT ANGLE 40.0°

Tear Layer Mode: Axial

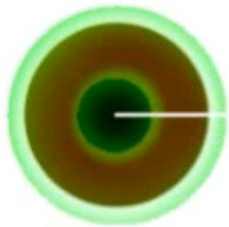


| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|-------|------|------|-------------------|------|------|-------|-------|
| TL (μm) | 192.9 | 37.9 | 25.0 | 48.3 | 12.4 | 49.1 | 24.7 | 11.7 | 182.4 |
| SAG (μm) | 3279 | 2019 | 539 | 404 | 0 | 404 | 539 | 2019 | 3279 |
| DIA (mm) | 14.00 | 10.84 | 5.80 | 5.20 | 0 | 5.20 | 5.80 | 10.84 | 14.00 |

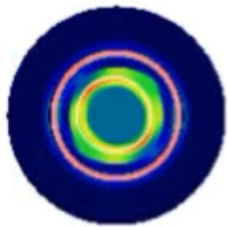
Map AVG

Quad View ▼

Fluorescein Map

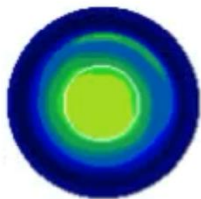


Curvature Front

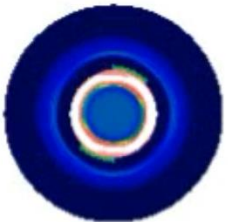


-1.25 0.00 x 180

Topography



Curvature Back



K = 7.85

FForm

GSym

1.01D x 155

Manual Modification

ALL 1/2 1/4

Modification Increments

S (D)

1x

0.00

MB

Modification Area



OR_X

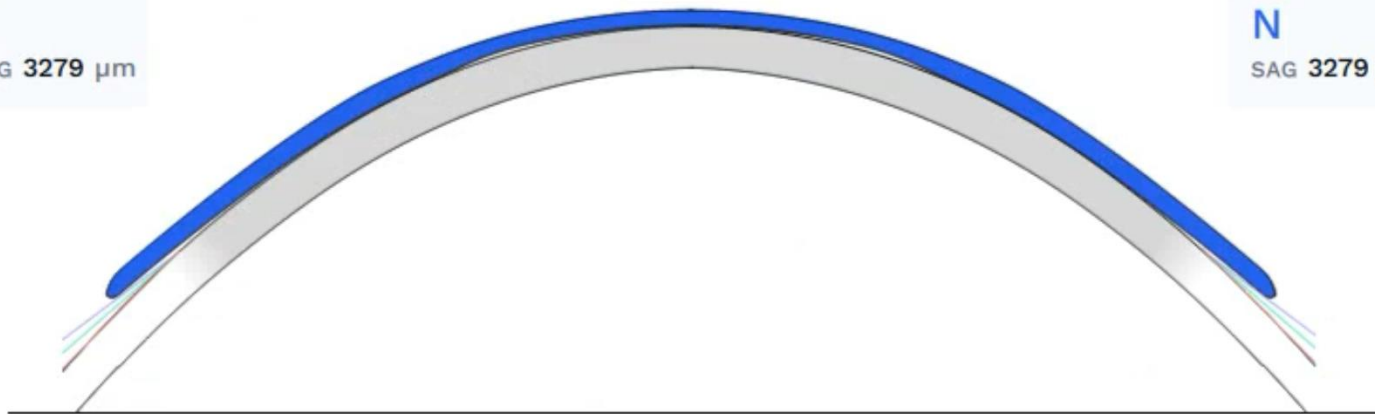
Lens Profile



CT (mm) 0.18 ET (mm) 0.22 OAD (mm) 14.30

T
SAG 3279 μm

N
SAG 3279 μm



DEMAND 6.26 / 5.76D POWER +1.20D BASE CURVE 9.13mm

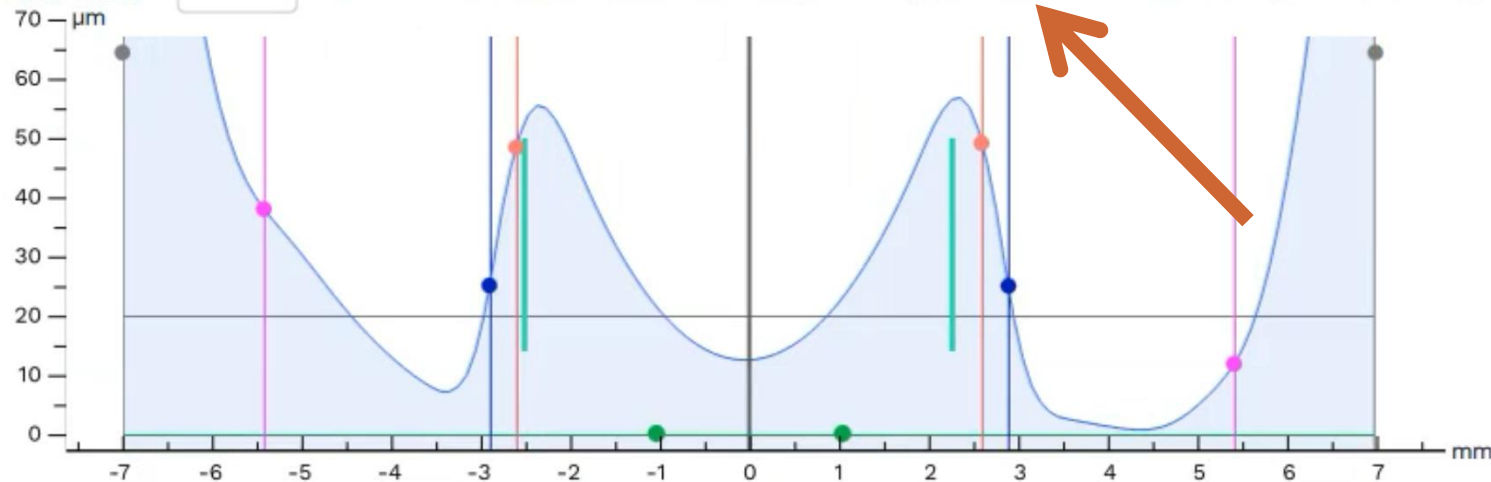
45° 41° 37°

Tearfilm

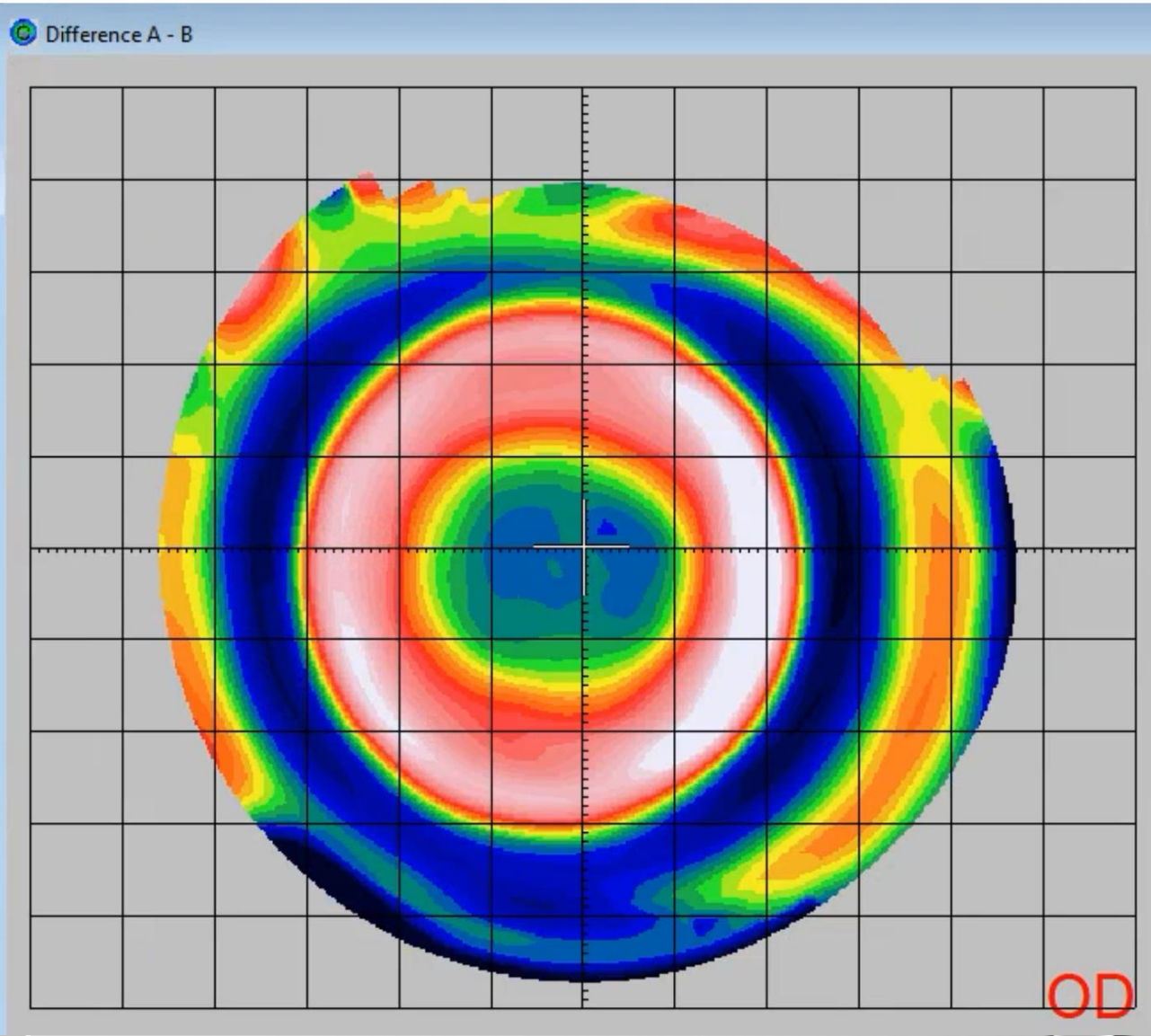
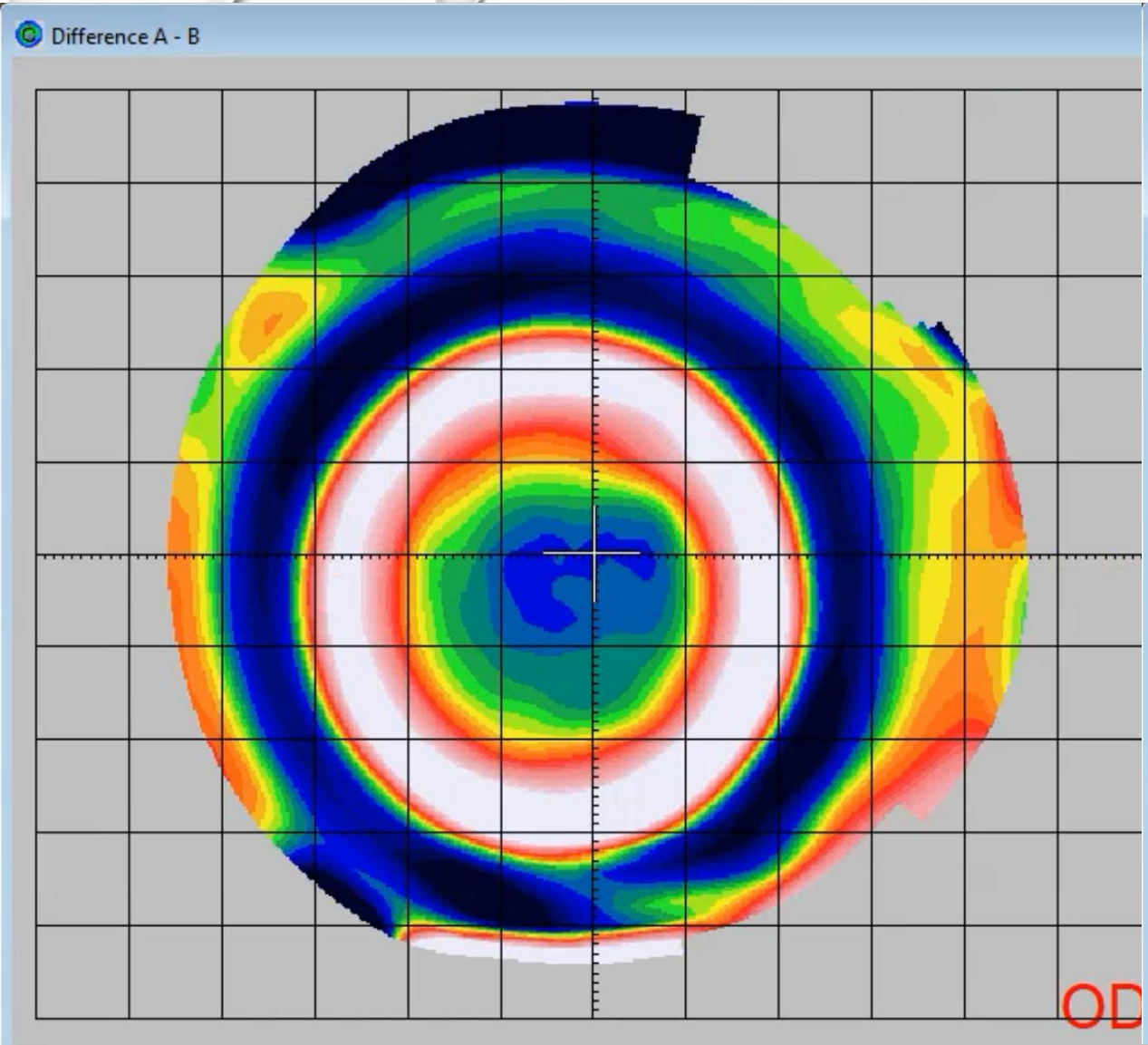
70

EDGE ANGLE 39.3° DEVIATION -66.9° LIFT ANGLE 40.0°

Tear Layer Mode: Axial



| | Edge | PC | IC | OZ | Central Clearance | OZ | IC | PC | Edge |
|----------|-------|-------|------|------|-------------------|------|------|-------|-------|
| TL (μm) | 192.9 | 37.9 | 25.0 | 48.3 | 12.4 | 49.1 | 24.7 | 11.7 | 182.4 |
| SAG (μm) | 3279 | 2019 | 539 | 404 | 0 | 404 | 539 | 2019 | 3279 |
| DIA (mm) | 14.00 | 10.84 | 5.80 | 5.20 | 0 | 5.20 | 5.80 | 10.84 | 14.00 |



CASE 3 - SUMMARY

- WANT TO RETAIN MYOPIA CONTROL EFFECT

CASE 3 - SUMMARY

- WANT TO RETAIN MYOPIA CONTROL EFFECT
- BUT HOA CAUSING PROBLEMS

CASE 3 - SUMMARY

- WANT TO RETAIN MYOPIA CONTROL EFFECT
- BUT HOA CAUSING PROBLEMS
- LARGE DIAMETER LENS FOR FLEXIBLE DAY / NIGHT WEAR

CASE 3 - SUMMARY


- WANT TO RETAIN MYOPIA CONTROL EFFECT
- BUT HOA CAUSING PROBLEMS
- LARGE DIAMETER LENS FOR FLEXIBLE DAY / NIGHT WEAR
- F1 FOR QUALITY OF VISION


CASE 3 - SUMMARY

- WANT RETAIN MYOPIA CONTROL EFFECT
- BUT HOA CAUSING PROBLEMS
- LARGE DIAMETER LENS FOR FLEXIBLE DAY / NIGHT WEAR
- F1 FOR QUALITY OF VISION
- F2 FOR MYOPIA CONTROL

THANK YOU!

THANK YOU!



 **Monta Noodle House**
Local go-to for
Japanese noodles

 **Shang Artisan Noodle**
Hip spot for
hand-pulled noodles

Resorts World Las Vegas



Famous Foods Street Eats

