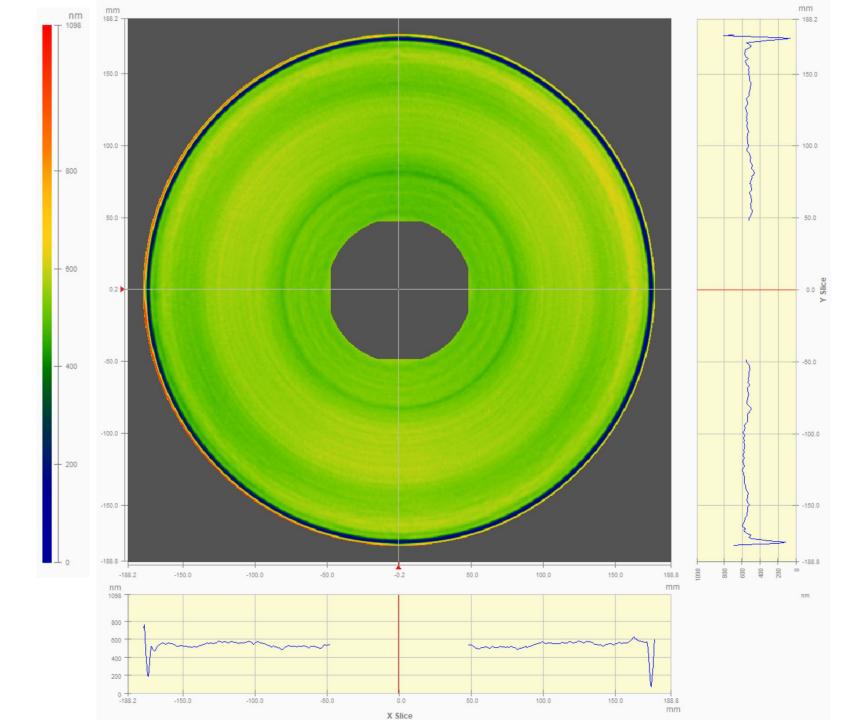
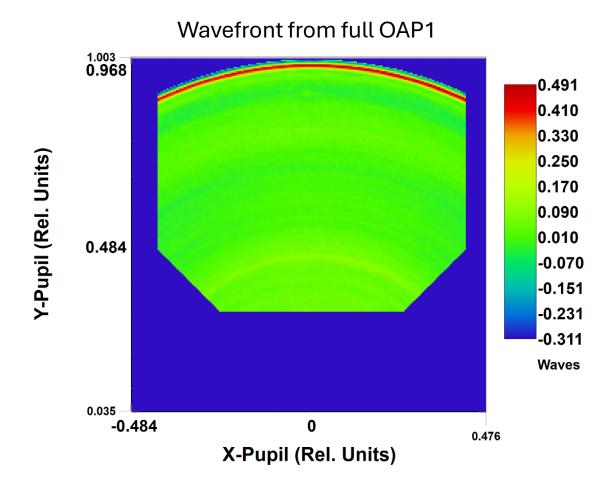
## **SONG APO**

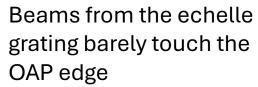
**OAP** status

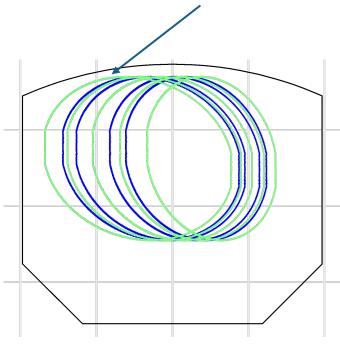


## Mother parabola surface error









**Wavefront Function** 

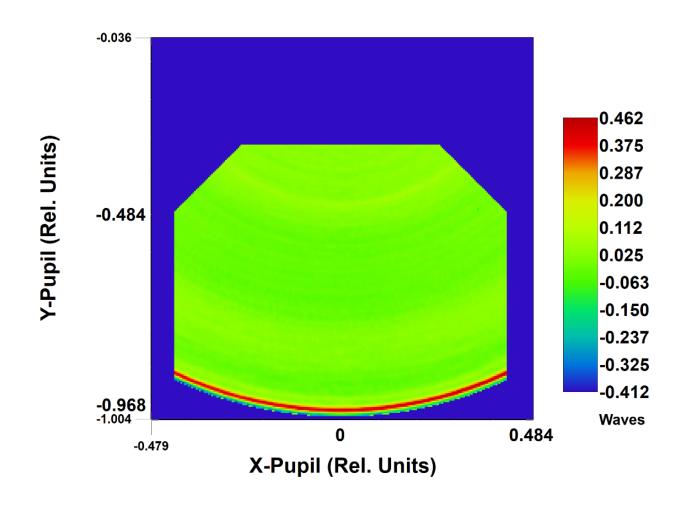
27-Jul-24 2.0000 μm at 0.0000 (deg) Peak to valley = 0.8015 waves, RMS = 0.0618 waves.

Surface: Image

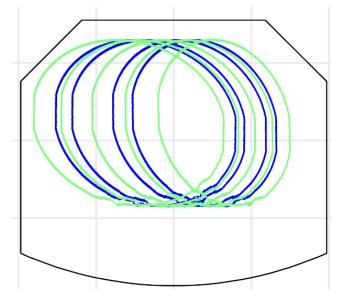
Exit Pupil Diameter: 3.5600E+02 Millimeters

Paolo Spanò p.spano@optical-design.it Ansys Zemax OpticStudio 2024

> OAP\_356.zos Configuration 1 of 1



Beams on the second OAP from the folding mirror stay more inside the edge. No effect.



## Wavefront Function

27-Jul-24 2.0000 μm at 0.0000 (deg)

Peak to valley = 0.8746 waves, RMS = 0.0613 waves.

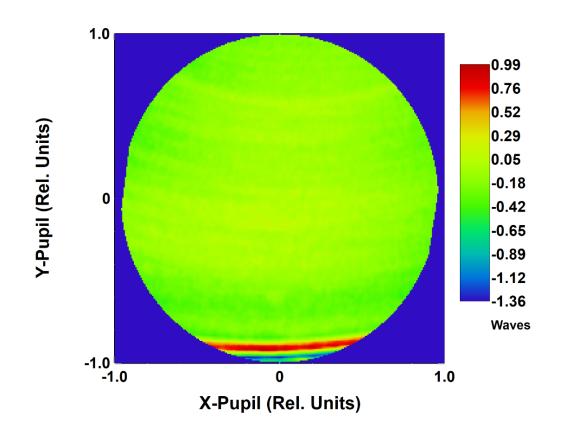
Surface: Image

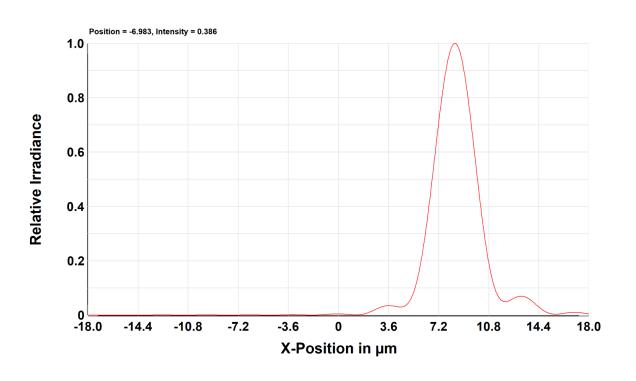
Exit Pupil Diameter: 3.5600E+02 Millimeters

Paolo Spanò p.spano@optical-design.it Ansys Zemax OpticStudio 2024

> OAP1\_356.zos Configuration 1 of 1

## Wavefront error and PSF in SONG





**Wavefront Function** 

OF250, 27-Jul-24 0.6977 µm at 0.1750 mm

Peak to valley = 2.3547 waves, RMS = 0.1586 waves.

Surface: Image

Exit Pupil Diameter: 1.0108E+02 Millimeters Tilt Removed: X = -1.3694, Y = -0.0542 waves Paolo Spanò p.spano@optical-design.it Ansys Zemax OpticStudio 2024

SONG3\_May2024\_as-built-OAPs.zmx Configuration 7 of 8 **PSF Cross Section**