## International Conference on Space Optics—ICSO 2022

Dubrovnik, Croatia 3–7 October 2022

Edited by Kyriaki Minoglou, Nikos Karafolas, and Bruno Cugny,



## Innovative optics in ESA's Space Science Program



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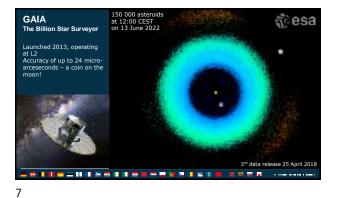


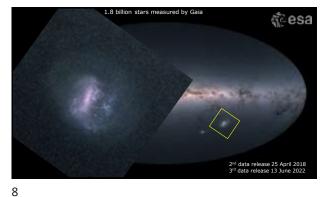






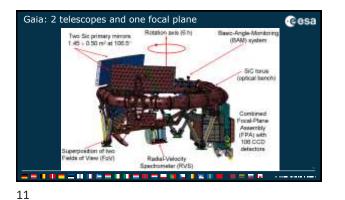






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Copyright: R. Hurt (PAC/Caltech)/The Gral Collaboration		•	×	









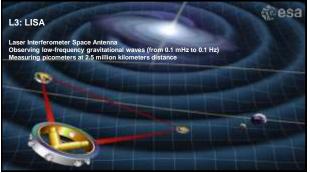


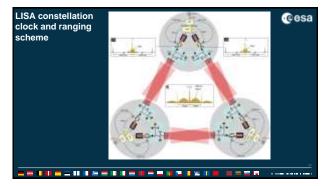






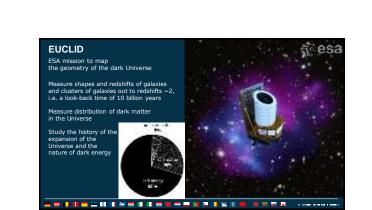


















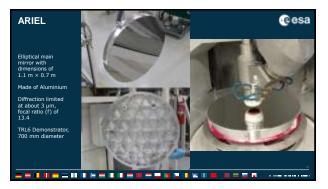




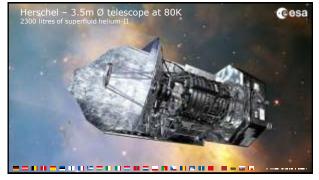
PLATO<br/>PLAnetary<br/>Transits and<br/>Oscillations of<br/>stars26 cameras to study<br/>terrestrial planets in<br/>orbits up to the<br/>habitable zone of<br/>Sun-like stars26 x 81.4 megapixel<br/>Two billion pixel104 CCDs, total 0.74 m2





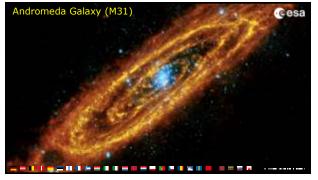


















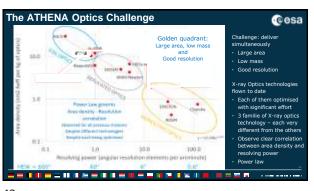


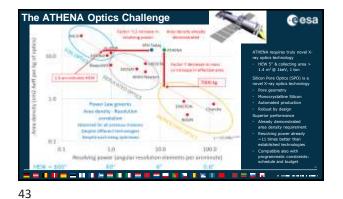


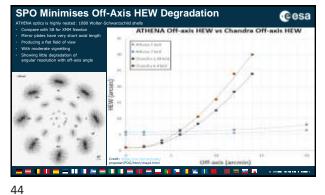












Athena requires the largest x-ray optic ever built esa

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Industrial production mandatory Cost and schedule compliance is e mounting sche

600 mirror modules 300 m2 polished and coated are (comparable with 20 m diameter pased telescope) 2 MM/day production rate require (assuming 8h/d, 180 d/y, all MMs

2 years)







