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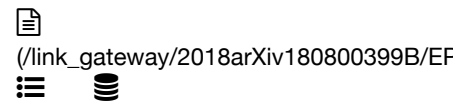
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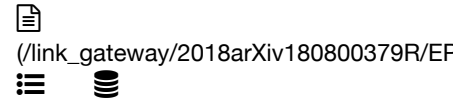
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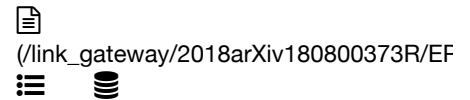
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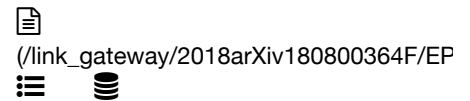
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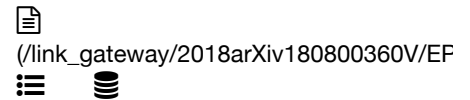
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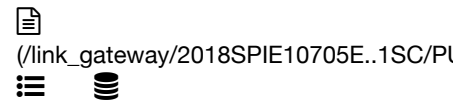
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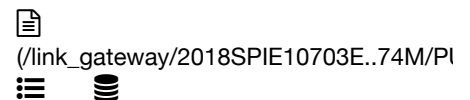
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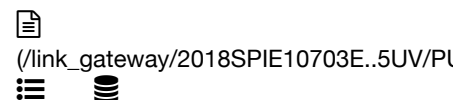
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**The Copernico Telescope testing facility for AO on-sky demonstrations**

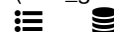
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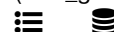
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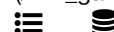
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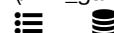
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**The assembly integration and test activities for the new SOXS instrument at NTT**

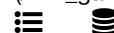
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**The MICADO first light imager for the ELT: overview, operation, simulation**

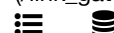
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[\(/link_gateway/2016MNRAS.463.4210N/](/link_gateway/2016MNRAS.463.4210N/)**An all-sky catalogue of solar-type dwarfs for exoplanetary transit surveys**

Nascimbeni, V.; Piotto, G.; Ortolani, S. and 12 more

53 2016/09[\(/link_gateway/2016yCat..74634210N/Viz](/link_gateway/2016yCat..74634210N/Viz)**VizieR Online Data Catalog: All-sky catalog of solar-type dwarfs (Nascimbeni+, 2016)**

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54 2016/09 cited: 2[\(/link_gateway/2016A%26A...593A.100V/](/link_gateway/2016A%26A...593A.100V/)**Expected gain in the pyramid wavefront sensor with limited Strehl ratio**

Viotto, V.; Ragazzoni, R.; Bergomi, M. and 2 more

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Viotto, Valentina; Farinato, Jacopo; Greggio, Davide and 14 more

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Davies, R.; Schubert, J.; Hartl, M. and 81 more

57 2016/08 cited: 1[\(/link_gateway/2016SPIE.9908E..0NH/PL](/link_gateway/2016SPIE.9908E..0NH/PL)**LINC-NIRVANA at LBT: final preparations for first light**

Herbst, T. M.; Ragazzoni, R.; Bertram, T. and 4 more

58 2016/08[\(/link_gateway/2016AJ....152...38L/PUB_](/link_gateway/2016AJ....152...38L/PUB_)[\(/link_gateway/2016AJ....152...38L/NED\)](/link_gateway/2016AJ....152...38L/NED)**MAD Adaptive Optics Imaging of High-luminosity Quasars: A Pilot Project**

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Marafatto, L.; Ragazzoni, R.; Vassallo, D. and 6 more

60 2016/07 cited: 1[\(/link_gateway/2016SPIE.9912E..10B/PU](/link_gateway/2016SPIE.9912E..10B/PU)**Unmanned aerial vehicles in astronomy**


































Biondi, Federico; Magrin, Demetrio; Ragazzoni, Roberto and 8 more

61 2016/07 cited: 1[\(/link_gateway/2016SPIE.9909E..6MS/PL](/link_gateway/2016SPIE.9909E..6MS/PL)**Solving the MCAO partial illumination issue and laboratory results**

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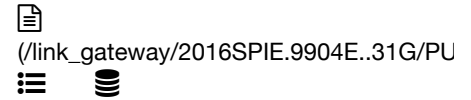
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- 73 2016/07 cited: 1  /link_gateway/2016SPIE.9904E..32D/PU  

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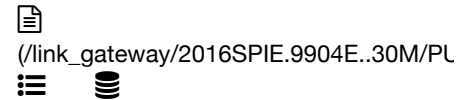
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Thermal effects on PLATO point spread function

Gullieuszik, Marco; Magrin, Demetrio; Greggio, Davide and 30 more

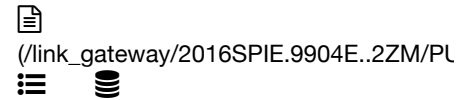
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Radiation, Thermal Gradient and Weight: a threefold dilemma for PLATO

Magrin, Demetrio; Ragazzoni, Roberto; Bruno, Giordano and 29 more

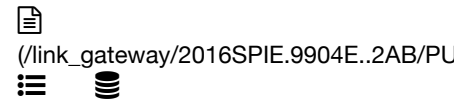
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Manufacturing and alignment tolerance analysis through Montecarlo approach for PLATO

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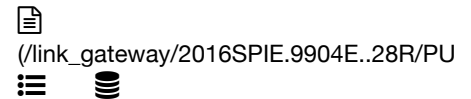
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Beck, T.; Broeg, C.; Fortier, A. and 21 more

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PLATO: a multiple telescope spacecraft for exo-planets hunting

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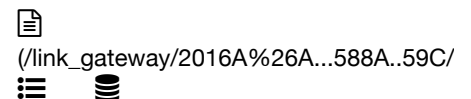
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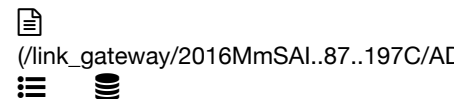
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Photometry of dust grains of comet 67P and connection with nucleus regions

Cremonese, G.; Simioni, E.; Ragazzoni, R. and 44 more

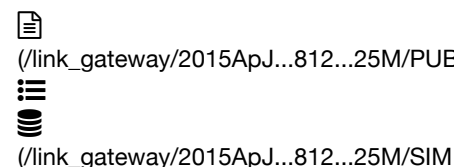
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NEOSTEL: the telescope detail design program for the ESA optical ground network dedicated to NEO discovery and tracking

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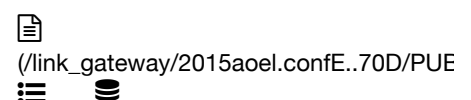
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



The MAORY first-light adaptive optics module for E-ELT


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

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SHARK-NIR Channel: a high contrast imager with coronagraphic capabilities for the Large Binocular Telescope


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

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Portaluri, Elisa; Viotto, Valentina; Bergomi, Maria and 6 more

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

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Dark Wavefront Sensing


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



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

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Global (Multi Conjugated) Adaptive Optics and beyond


Ragazzoni, Roberto

91 2015




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

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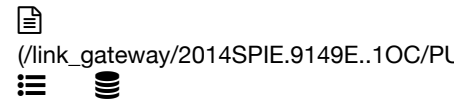



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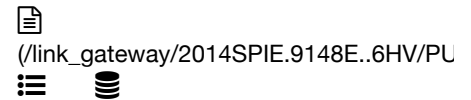
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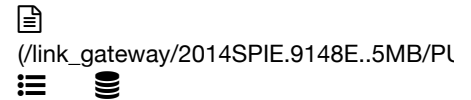
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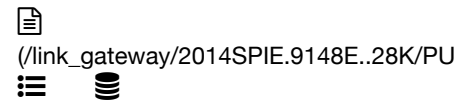
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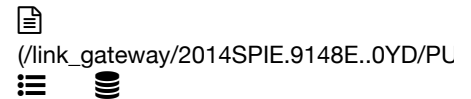
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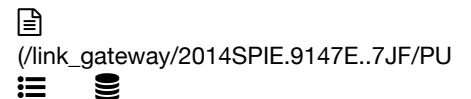
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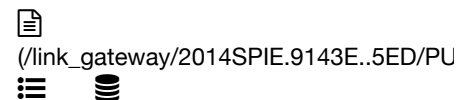
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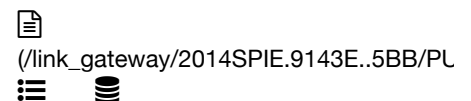
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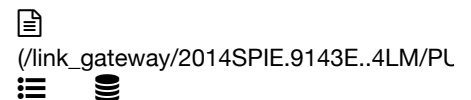
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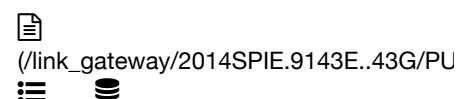
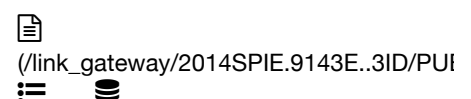
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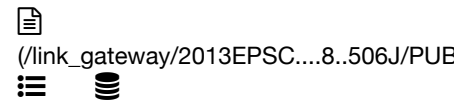
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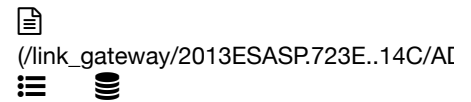
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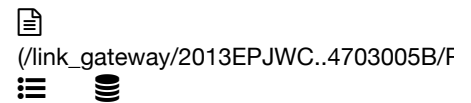
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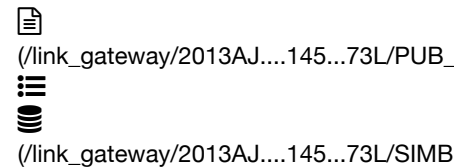
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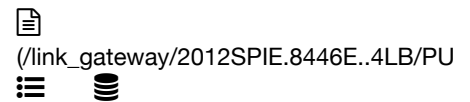
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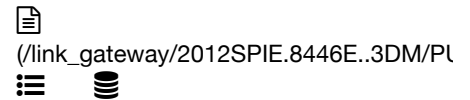
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Tips and tricks for aligning an image derotator

Brunelli, A.; Bergomi, M.; Dima, M. and 10 more

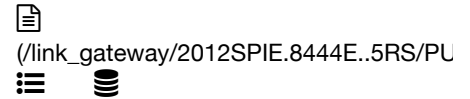
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From the most plain coronagraph to the most populated spectrograph: a suite of some new instruments for LBT

Magrin, D.; Ragazzoni, R.; Bergomi, M. and 5 more

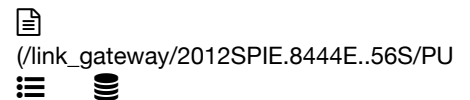
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Pointing and tracking results of the VST telescope

Schipani, Pietro; Arcidiacono, Carmelo; Argomedo, Javier and 7 more

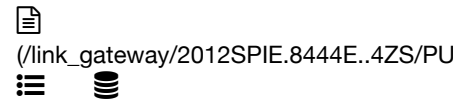
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The VST alignment: strategy and results

Schipani, Pietro; Noethe, Lothar; Kuijken, Konrad and 9 more

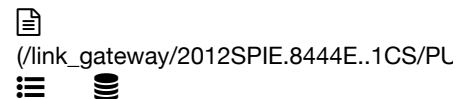
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The active optics system of the VST: concepts and results

Schipani, Pietro; Magrin, Demetrio; Noethe, Lothar and 8 more

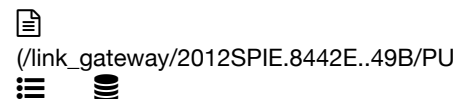
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VST: from commissioning to science

Schipani, Pietro; Capaccioli, Massimo; Arcidiacono, Carmelo and 8 more

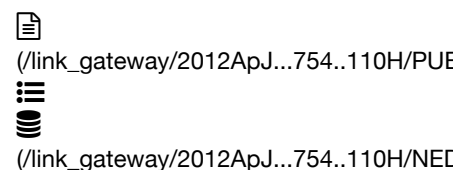
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To PLANetary Transit or not? An extremely large field of view camera with a CaF₂ component tested in thermo-vacuum

Bergomi, M.; Magrin, D.; Farinato, J. and 13 more

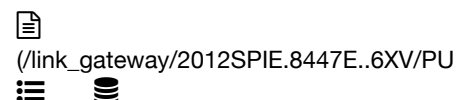
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Star Cluster Populations in the Outer Disks of nearby Galaxies

Herbert-Fort, Stéphane; Zaritsky, Dennis; Moustakas, John and 3 more

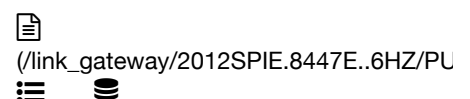
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MCAO: Wavefront sensing only as a tool for high precision photometry?

Viotto, V.; Ragazzoni, R.; Bergomi, M. and 7 more

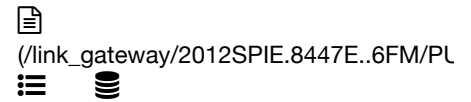
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The LINC-NIRVANA high layer wavefront sensor laboratory experiment: progress report

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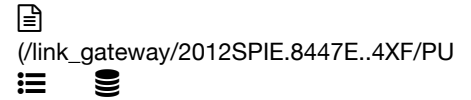
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Aligning a more than 100 degrees of freedom wavefront sensor

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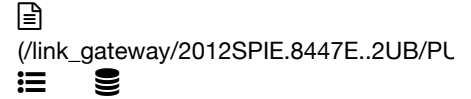
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A NGSs based WFS for the E-ELT and the VLT

Farinato, J.; Ragazzoni, R.; Magrin, D. and 5 more

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Pupil rotation compensation for LINC-NIRVANA

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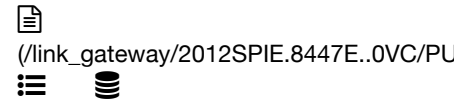
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Global wavefront sensing for extremely large telescopes

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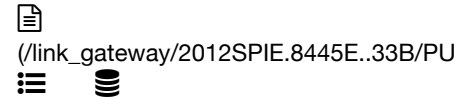
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Conrad, Albert R.; Arcidiacono, Carmelo; Baumeister, Harald and 33 more

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Beam control for LINC-NIRVANA: from the binocular entrance pupil to the combined focal plane

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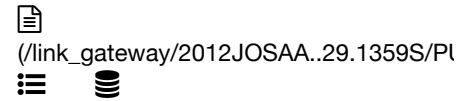
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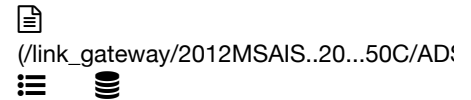
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Removing static aberrations from the active optics system of a wide-field telescope

Schipani, Pietro; Noethe, Lothar; Arcidiacono, Carmelo and 8 more

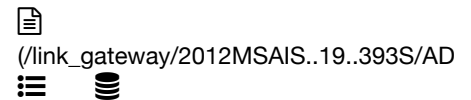
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Wide Eye Debris telescope allows to catalogue objects in any orbital zone .

Cibin, L.; Chiarini, M.; Milani Comparetti, A. and 7 more

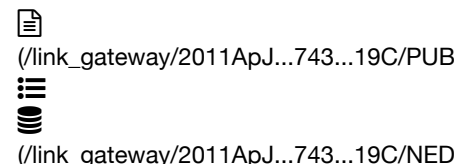
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VST: the telescope progress toward stars

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Hide and Seek between Andromeda's Halo, Disk, and Giant Stream

Clementini, Gisella; Contreras Ramos, Rodrigo; Federici, Luciana and 17 more

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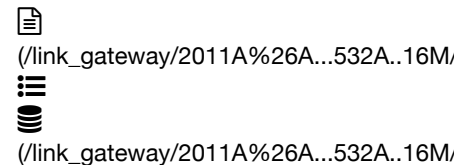
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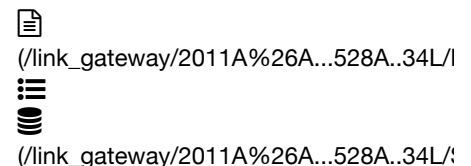
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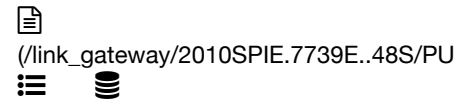
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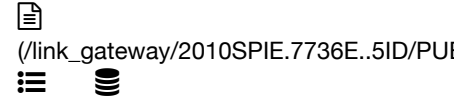
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The ADC for the VST Telescope: theory and preliminary test of the electromechanical system

Schipani, Pietro; Farinato, Jacopo; Arcidiacono, Carmelo and 8 more

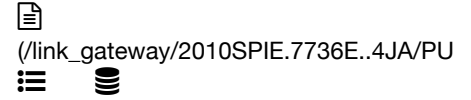
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Handling complex adaptive optics concepts including the third and fourth dimensions

Dima, Marco; Viotto, Valentina; Arcidiacono, Carmelo and 7 more

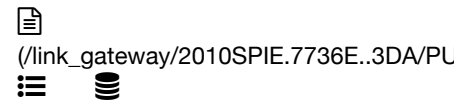
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Numerical control matrix rotation for the LINC-NIRVANA multiconjugate adaptive optics system

Arcidiacono, Carmelo; Bertram, Thomas; Ragazzoni, Roberto and 10 more

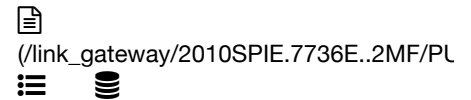
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An update of the on-sky performance of the layer-oriented wavefront sensor for MAD

Arcidiacono, Carmelo; Lombini, Matteo; Moretti, Alessia and 5 more

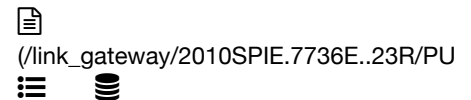
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A compact design of a WFS for a natural guide star-based ELT adaptive optics system

Farinato, Jacopo; Viotto, Valentina; Ragazzoni, Roberto and 6 more

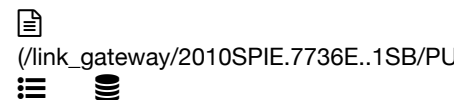
161 2010/07 cited: 13



Adaptive optics with solely natural guide stars for an extremely large telescope

Ragazzoni, R.; Arcidiacono, C.; Dima, M. and 3 more

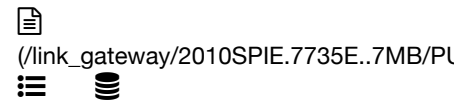
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The MCAO systems within LINC-NIRVANA: control aspects beyond wavefront correction

Bertram, T.; Arcidiacono, C.; Berwein, J. and 13 more

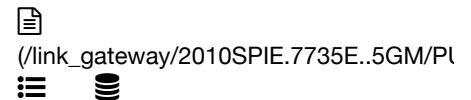
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The design of dispersing elements for a highly segmented, very wide-field spectrograph

Bianco, Andrea; Maccagni, Dario; Ragazzoni, Roberto and 11 more

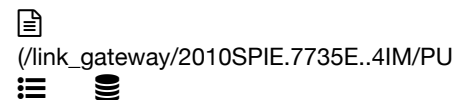
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MICADO: optical configuration, performance, and folding

Magrin, Demetrio; Ragazzoni, Roberto; Freeman, David E. and 6 more

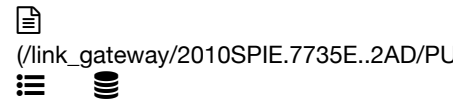
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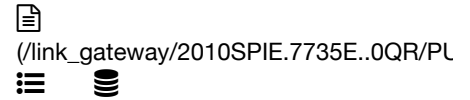
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MICADO: the E-ELT adaptive optics imaging camera

Davies, Richard; Ageorges, N.; Barl, L. and 43 more

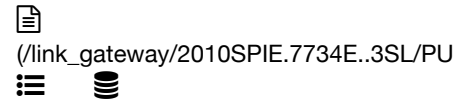
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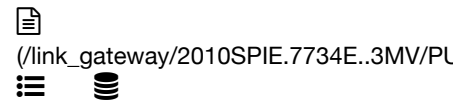
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Feeding the wavefront sensors of LINC-NIRVANA: the dedicated Patrol Camera

Lorenzetti, Dario; D'Alessio, Francesco; Li Causi, Gianluca and 13 more

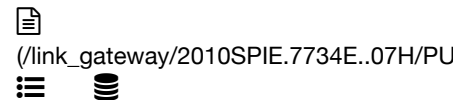
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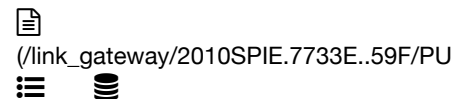
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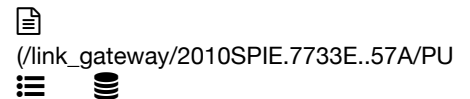
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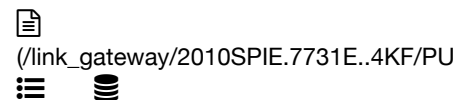
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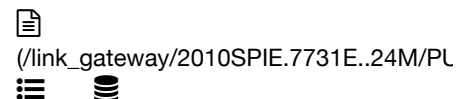
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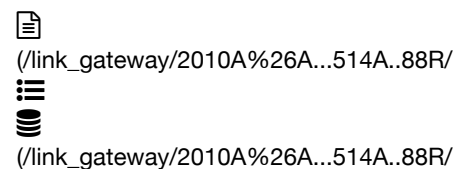
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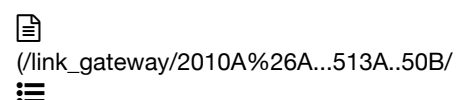
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






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




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

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




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




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
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




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

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




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




















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










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

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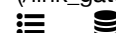
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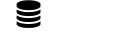
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


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


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

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


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


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


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


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


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


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

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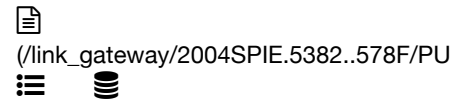
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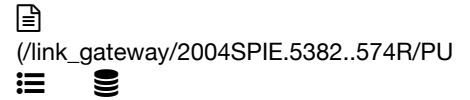
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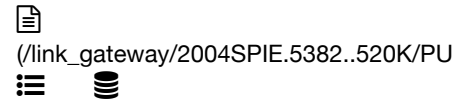
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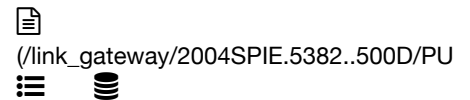
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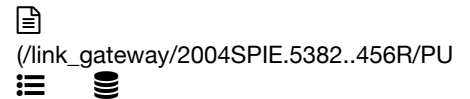
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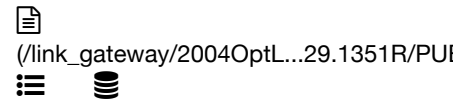
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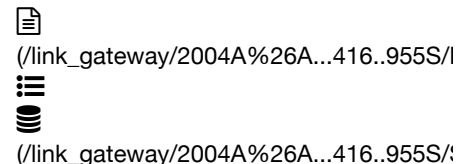
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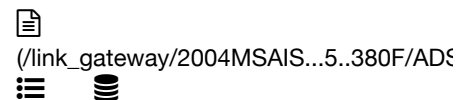
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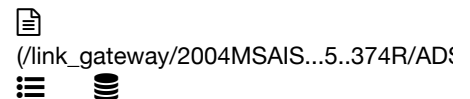
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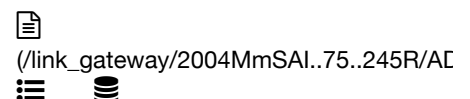
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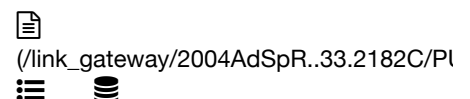
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























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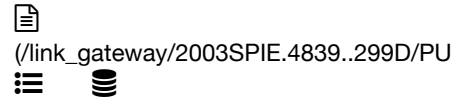


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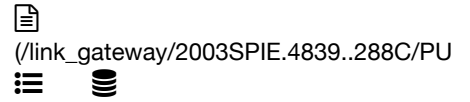
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- Identification and rejection of waffle modes in layer-oriented adaptive optics**
 Diolaiti, Emiliano; Arcidiacono, Carmelo; Ragazzoni, Roberto and 1 more
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- On Sky Test of the Pyramid Wavefront Sensor**
 Ghedina, Adriano; Cecconi, Massimo; Ragazzoni, Roberto and 10 more
- 309 2003/02 cited: 1  [\(/link_gateway/2003SPIE.4839..612B/PU](/link_gateway/2003SPIE.4839..612B/PU)
 
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 Bello, Dolores; Conan, Jean-Marc; Rousset, Gerard and 5 more
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- 312 2003/02 cited: 12  [\(/link_gateway/2003SPIE.4839..536R/PU](/link_gateway/2003SPIE.4839..536R/PU)
 
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- 314 2003/02 cited: 2  [\(/link_gateway/2003SPIE.4839..344V/PU](/link_gateway/2003SPIE.4839..344V/PU)
 
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Some novel concepts in multipyramid wavefront sensing

Diolaiti, Emiliano; Tozzi, Andrea; Ragazzoni, Roberto and 6 more

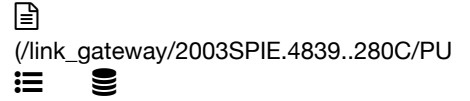
317 2003/02 cited: 9



Is there need of any modulation in the pyramid wavefront sensor?

Costa, Joana B.; Ragazzoni, Roberto; Ghedina, Adriano and 6 more

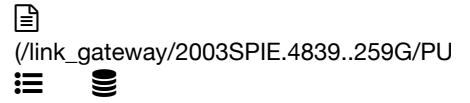
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PYRAMIR: a near-infrared pyramid wavefront sensor for the Calar Alto adaptive optics system

Costa, Joana B.; Hippler, Stefan; Feldt, Markus and 5 more

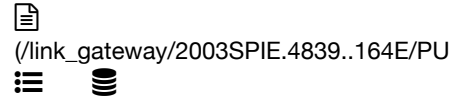
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Manufacturing by deep x-ray lithography of pyramid wavefront sensors for astronomical adaptive optics

Ghigo, Mauro; Pérennès, Frederic; Ragazzoni, Roberto

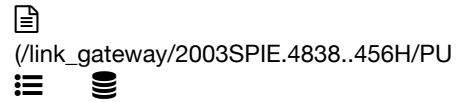
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First Light Adaptive Optics System for Large Binocular Telescope

Esposito, Simone; Tozzi, Andrea; Ferruzzi, Debora and 18 more

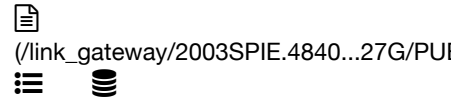
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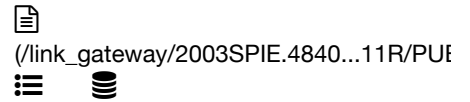
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Multiple resolution (and field of view) adaptive optics: for ELTs only

Ghedina, Adriano; Ragazzoni, Roberto; Marchetti, Enrico and 3 more

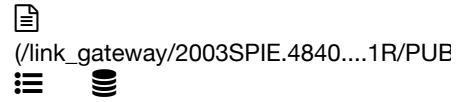
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MCAO for ELTs

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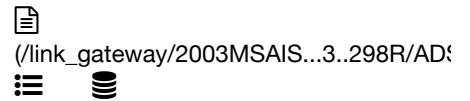
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Flattening the lightwave on a 100m scale

Ragazzoni, Roberto

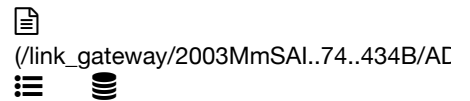
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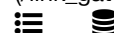
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Sky coverage in layer-oriented adaptive optics

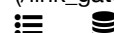
Ragazzoni, Roberto; Diolaiti, Emiliano; Farinato, Jacopo and 4 more

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


































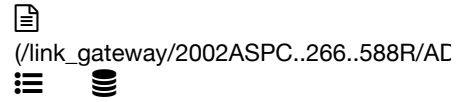
(/link_gateway/2002SPIE.4411...47R/PU



Designing, specifying, mounting, and aligning an 800-mm lens for an 8-m-class prime focus corrector

Ragazzoni, Roberto; Diolaiti, Emiliano

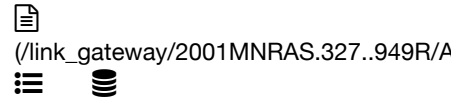
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- 338 2002 cited: 2  (/link_gateway/2002ESOC...58..421R/AD  
- Specification and optical budget for layer oriented WFS for MAD**
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Ribak, Erez; Ragazzoni, Roberto
- 342 2002  (/link_gateway/2002ESOC...58..167D/AD  
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Marchetti, Enrico; Ragazzoni, Roberto; Diericks, Philippe
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- 345 2002 cited: 1  (/link_gateway/2002ESOC...58...75R/AD  
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- Beyond conventional adaptive optics : a conference devoted to the development of adaptive optics for extremely large telescopes**
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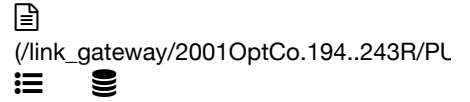
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Cellino, A.; Diolaiti, E.; Ghedina, A. and 3 more

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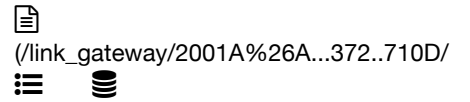
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Closed loop performance of a layer-oriented multi-conjugate adaptive optics system

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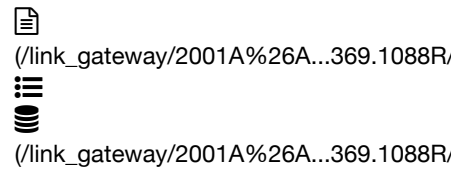
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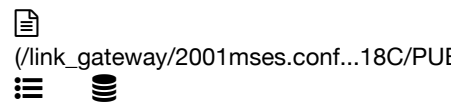
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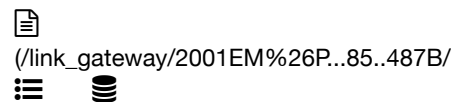
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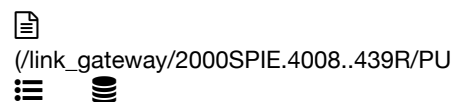
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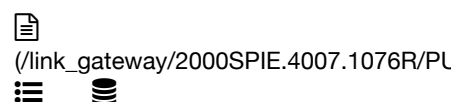
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Double prime focus camera for the F/1.14 Large Binocular Telescope

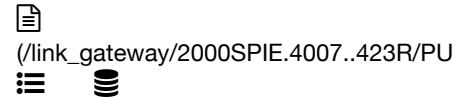
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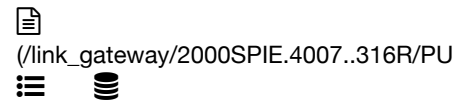


Adaptive optics for 100-m-class telescopes: new challenges require new solutions

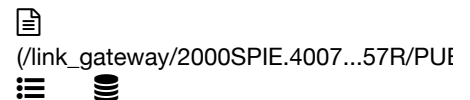
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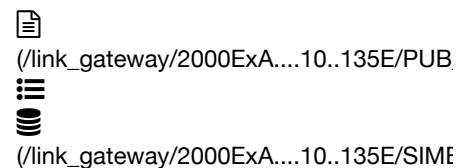
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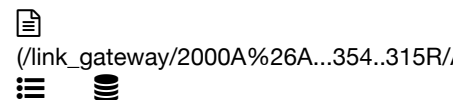
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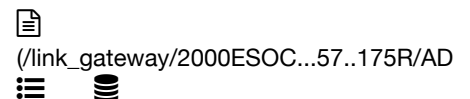
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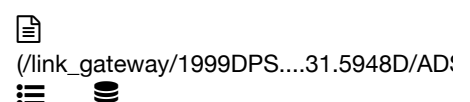
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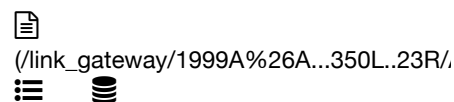
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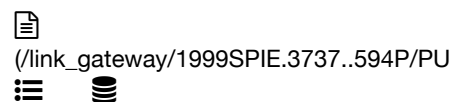
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The Wide Angle Camera for the Rosetta Mission

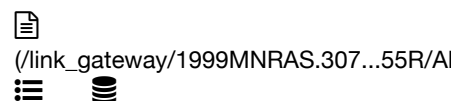
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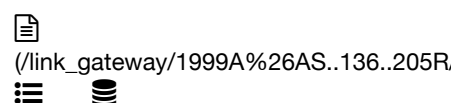
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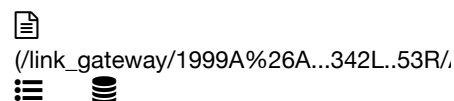
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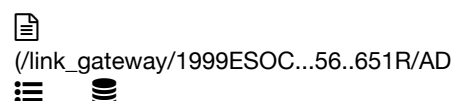
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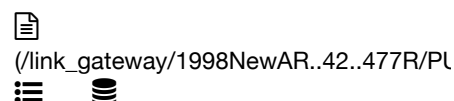
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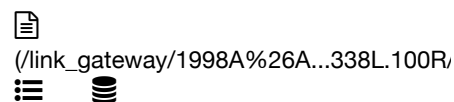
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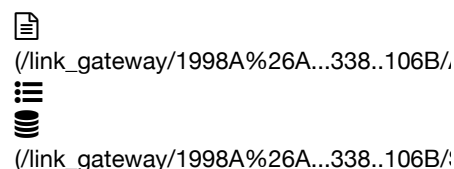
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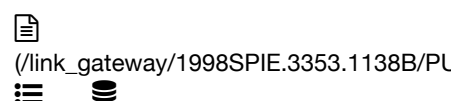
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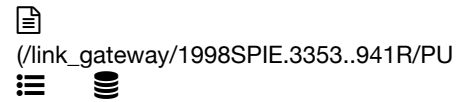
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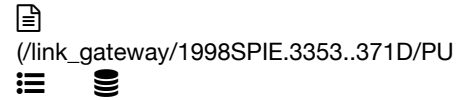
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Riccardi, Armando; Bindi, N.; Ragazzoni, Roberto and 2 more

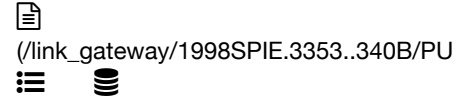
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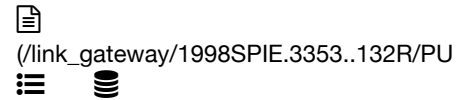
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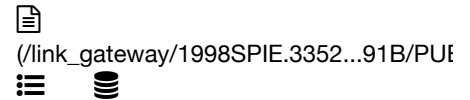
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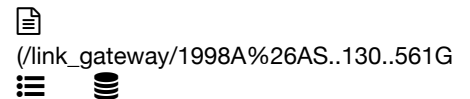
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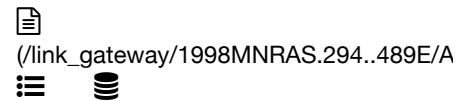
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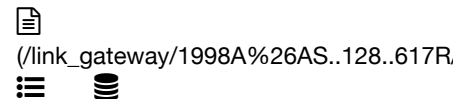
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Esposito, S.; Riccardi, A.; Ragazzoni, R.

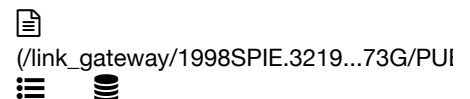
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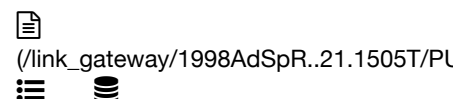
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










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

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

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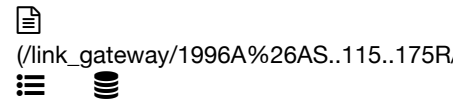
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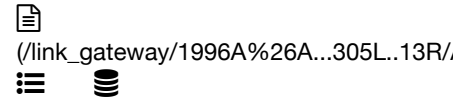
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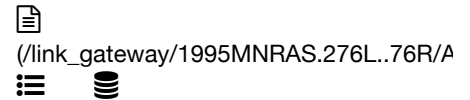
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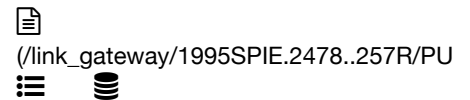
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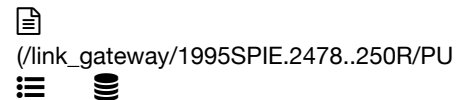
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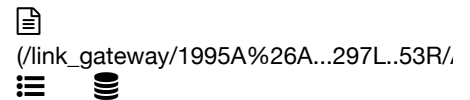
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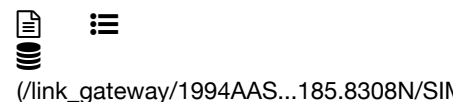
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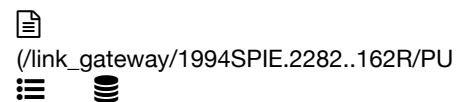
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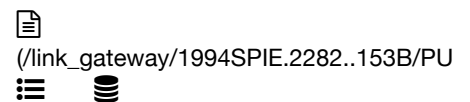
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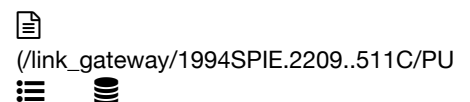
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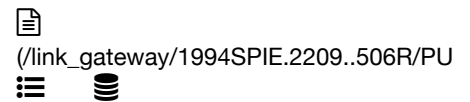
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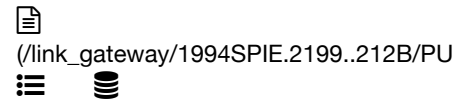
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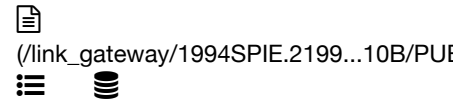
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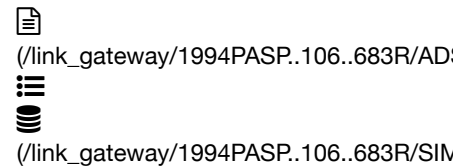
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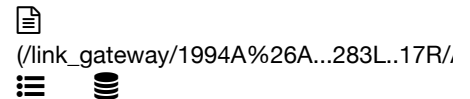
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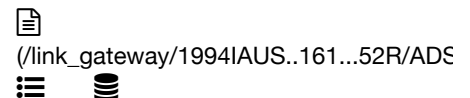
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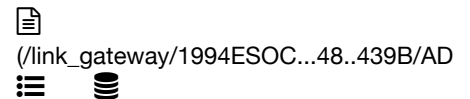
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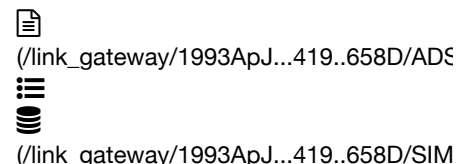
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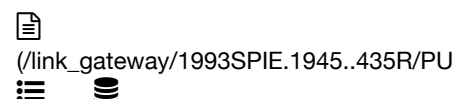
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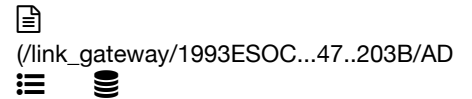


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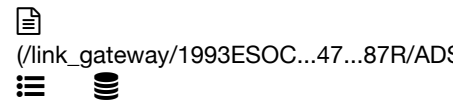


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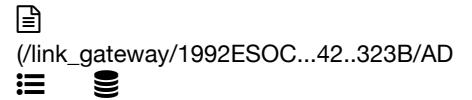


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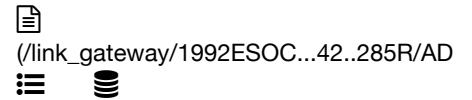


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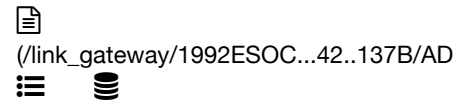


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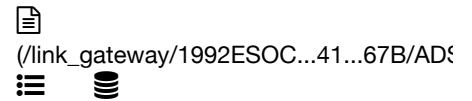


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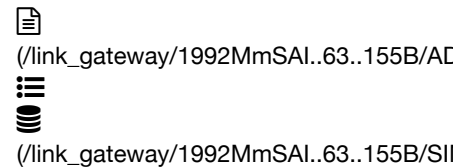


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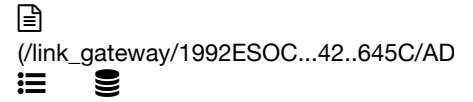
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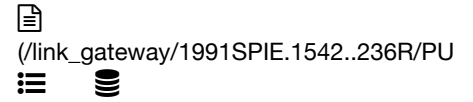
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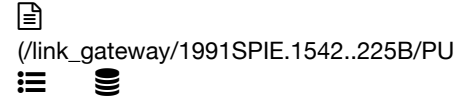
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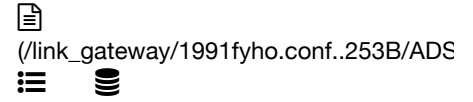
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Some Algorithms and Procedures Useful to Analyse Hst-Foc Hubble Space Telescope - Faint Object Camera Images

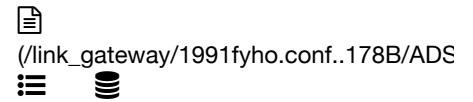
Barbieri, C.; de Marchi, G.; Ragazzoni, R.



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Deconvolution and Photometry on Hst-Foc / Hubble Space Telescope - Faint Object Camera Images

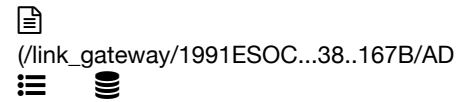
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Some Algorithms and Procedures Useful to Analyse HST FOC Images

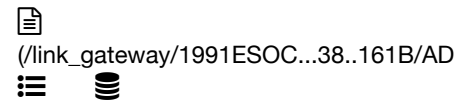
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