

New Worlds Observer Formation Control Design Based on the Dynamics of Relative Motion

Luquette, R.

2008, AIAA Guidance, Navigation, and Control Conference, 2008-6473

Deployment technologies for terrestrial planet finding missions

Lillie, C., Dailey, D., Lo, A., Polidan, R., Arenberg, J., Glassman, T.

2008, SPIE, 7018, 1V

The New Worlds Observer: scientific and technical advantages of external occulter

Cash, W., Oakley, P., Turnbull, M., Glassman, T., Lo, A., Polidan, R., Kilston, S.,

Noecker, C.

2008, SPIE, 7010, 1Q

New Worlds Observer system architecture

Arenberg, J., Glassman, T., Lo, A., Benson, S.

2008, SPIE, 7010, 1S

Sensitivity analysis of the New Worlds starshade's shadow

Arenberg, J., Shipley, A., Cash, W., Glassman, T., Lo, A.

2008, SPIE, 7010, 1V

New Worlds Observer: Minotaur to Ares V

Lo, A., Glassman, T., Dailey, D., Lillie, C., Cash, W., Oakley, P.

2008, SPIE, 7010, 1W

Verification, validation, and testing the New Worlds Observer: first thoughts

Arenberg, J., Noecker, C.

2008, SPIE, 7010, 3T

New Worlds Observer telescope and instrument optical design concepts

Howard, J., Noecker, C., Kendrick, S., Kilston, S., Woodgate, B., Cash, W.

2008, SPIE, 7010, 3X

Analysis of exoplanet light curves with the New Worlds Observer

Oakley, P., Cash, W., Turnbull, M.

2008, SPIE, 7010, 3Y

Spacecraft Formation Control: Managing Line-of-Sight Drift Based on the Dynamics of Relative Motion

Luquette, R., Sanner, R.

2008, 3rd International Symposium on Formation Flying Missions and Technologies, ESA/ESTEC

Large Precision Deployables for Exo-Planet Missions

Lillie, C., Lo, A., Polidan, R., Arenberg, J., Glassman, T.

2007, ExoPlanet Task Force Call for White Papers

External Occulters for the Direct Study of Exoplanets

Cash, W.

2007, ExoPlanet Task Force Call for Whitepapers

Optical performance of the New Worlds Occulter

Arenberg, J., Lo, A., Glassman, T., Cash, W.

2007, C. R. Physique

Optimal Occulter Design for Finding Extrasolar Planets

Vanderbei, R., Cady, E., Kasdin, N.

2007, ApJ, 665, 794

External Occulters for Direct Observation of Exo-planet: An Overview

Cash, W., Schindhelm, E., Arenberg, J., Lo, A., Polidan, R., Kasdin, J., Vanderbei, R., Kilston, S., Neocker, C.

2007, SPIE 6687, 12

The terrestrial planet finder-occulter (TPF-O) science program

Heap, S.

2007, SPIE, 6687, 13

TPF-O design reference mission

Lindler, D.

2007, SPIE, 6687, 14

New Worlds Observer Optical Performance

Lo, A., Glassman, T., Lillie, C.

2007, SPIE 6687, 16

A UV/optical telescope for the New Worlds Observer mission

Lillie, C., Dailey, D., Lo, A., Polidan, R.

2007, SPIE, 6687, 17

Conceptual design of the TPF-O SC buses

Purves, L.

2007, SPIE, 6687, 18

New Worlds Observer tolerance overview

Shipley, A., Cash, W., Arenberg, J., Lo, A.

2007, SPIE, 6687, 1A

White Light Demonstration of One Hundred Parts per Billion Irradiance Suppression in Air by New Starshade Occulters

Leviton, D., Cash, W., Gleason, B., Kaiser, M., Levine, S., Lo, A., Schindhelm, E., Shipley, A.
2007, SPIE 6687, 1B

Formation Flying System Design for a Planet-Finding Telescope-Occulter System
Leitner, J.
2007, SPIE, 6687, 1D

New Worlds Observer: system architecture for terrestrial planet finding
Arenberg, J., Polidan, R., Glassman, T., Lo, A., Lillie, C.
2007, SPIE, 6693, 02

The dark side of TPF: detecting and characterizing extrasolar Earthlike planets with one or two external occulters
Hunyadi, S., Lo, A., Shaklan, S.
2007, SPIE, 6693, 03

Optimal design of petal-shaped occulters for extra-solar planet detection
Cady, E., Kasdin, J., Vanderbei, R., Belikov, R.
2007, SPIE, 6693, 04

Laboratory studies of petal-shaped occulters
Schindhelm E., Shipley, A., Oakley, P., Leviton, D., Cash, W., Card, G.
2007, SPIE, 6693, 05

Alignment of a terrestrial planet finder starshade at 20-100 megameters
Noecker, M.C.
2007, SPIE 6693, 06

Effects of scattered light on the performance of the New Worlds Starshade
Arenberg, J., Glassman, T., Lo, A.
2007, SPIE, 6693, 1E

Opening Direct Studies of Worlds Around Other Stars
Cash, W.
2007, AIAA

New Worlds Observer Mission Design
Glassman, T., Lo, A., Lillie, C., Kroening, K.
2007, AIAA, 6221

Celestial Exoplanet Survey Occulter: A Concept for Direct Imaging of Extrasolar Earth-like Planets from the Ground
Janson, M.
2007, PASP, 119, 214

Detection of Earth-like planets around nearby stars using a petal-shaped occulter
Cash, W.
2006, *Nature*, 442, 6

Spectrum of a Habitable World: Earthshine in the Near-Infrared
Turnbull, M., Traub, W., Woolf, N., Jucks, K., Meyer, M., Gorlova, N., Wilson, J., Skrutskie, M.
2006, *ApJ* 644, 551

New Worlds Observer: A Novel Mission Concept for Exoplanetary Studies
Arenberg, J., Cash, W.
2006, IAU, #200, 199

New Worlds Occulter performance: a first look
Arenberg, J., Lo, A., Cash, W., Polidan, R.
2006, *SPIE*, 6265, 56

The New Worlds Observer: using occulter to directly observe planets
Cash, W., Schindhelm, E., Arenberg, J., Polidan, R., Kilston, S., Noecker, C.
2006, *SPIE*, 6265, 55

The New Worlds Imager
Cash, W.
2005, Final Report to the NASA Institute for Advanced Concepts for Phase I Study

Direct studies of Exo-Planets with the New Worlds Observer
Cash, W., Kasdin, J., Seager, S., Arenberg, J.
2005, *SPIE*, 5899, 274

Science Simulations for the New Worlds Observer
Schindhelm, E., Cash, W., Seager, S.
2005, *SPIE*, 5905, 450

The New Worlds Observer: a mission for high-resolution spectroscopy of extra-solar terrestrial planets
Simmons, W., Cash, W., Seager, S., Wilkinson, E., Kasdin, N., Vanderbei, R., Chow, N., Gralla, E., Kleingeld, J.
2004, *SPIE*, 5487, 1634