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U.S. Citizen

SCIENTIFIC INTERESTS

Protoplanetary disks, exoplanets, star and planet formation, astrostatistics, radio interferometry, spectroscopy

EDUCATION

- 2012 - 2016 *Ph.D. in Astrophysics, Harvard University, Cambridge, MA*
advisor Sean M. Andrews
- 2010 - 2012 *Masters of Arts in Astronomy and Astrophysics, Harvard University*
advisor Edo Berger
- 2006 - 2010 *Bachelor of Science, Aerospace Engineering, Astronomy*
Graduation with High Distinction, University of Virginia (UVA), Charlottesville, VA

SCIENTIFIC RESEARCH

- 2013 - 2016 **Ph.D. Thesis:** *The Fundamental Properties of Young Stars*, CfA, advised by Dr. Sean Andrews
- 2012 *MMTCam Commissioning*, Harvard-Smithsonian CfA, advised by Dr. Warren Brown
- 2010 - 2012 **Masters project:** *Intermediate Luminosity Transients*, Harvard University, advised by Dr. Edo Berger
- 2009 - 2010 *PAPER Instrumentation Study*, University of Virginia, advised by Dr. Richard Bradley
- 2009 - 2010 *ALMA Collaborative Engineering Study*, Santiago, Chile, advised by Kelsey Johnson and Alison Peck
- 2009 *Circumstellar Disks*, Smithsonian Astrophysical Observatory REU Intern, advised by Dr. Sean Andrews

PROFESSIONAL APPOINTMENTS

- 2016 - present Porat Postdoctoral Fellow, Stanford University/KIPAC
- 2010 - 2016 Graduate Student, Harvard University

HONORS AND AWARDS

- 2013, 2014 (2) *Certificates of Distinction in Teaching*, Harvard University
- 2011 - 2016 *NSF Graduate Research Fellowship*
- 2006 - 2010 *Jefferson Scholar*, UVA, full scholarship
- 2006 - 2010 *Rodman Scholar*, UVA
- 2010 *Outstanding SEAS Student*, UVA
- 2010 *Louis T. Rader Award for Mechanical and Aerospace Engineering*
School of Engineering and Applied Sciences, UVA
- 2010 *21 Society Fourth Year Recognition*, UVA
- 2010 *Limber Award*, UVA Astronomy Department

REFEREED PUBLICATIONS

First author: 5 / total: 22 / citations: 902 / h-index: 15 / (2017-05-17) [[link](#)]

FIRST AND SECOND AUTHOR PUBLICATIONS

- [1] *Disentangling Time-series Spectra with Gaussian Processes: Applications to Radial Velocity Analysis*, **Czekala, Ian**, Mandel, K. S., Andrews, S. M., Dittmann, J. A., Ghosh, S. K., Montet, B. T., and Newton, E. R. 2017, [ApJ, 840, 49](#)
- [2] *A Disk-based Dynamical Constraint on the Mass of the Young Binary DQ Tau*, **Czekala, Ian**, Andrews, S. M., Torres, G., Jensen, E. L. N., Stassun, K. G., Wilner, D. J., and Latham, D. W. 2016, [ApJ, 818, 156](#)
- [3] *A Disk-based Dynamical Mass Estimate for the Young Binary AK Sco*, **Czekala, Ian**, Andrews, S. M., Jensen, E. L. N., Stassun, K. G., Torres, G., and Wilner, D. J. 2015, [ApJ, 806, 154](#)
- [4] *Constructing a Flexible Likelihood Function for Spectroscopic Inference*, **Czekala, Ian**, Andrews, S. M., Mandel, K. S., Hogg, D. W., and Green, G. M. 2015, [ApJ, 812, 128](#)
- [5] *The Unusually Luminous Extragalactic Nova SN 2010U*, **Czekala, Ian**, Berger, E., Chornock, R., Pastorello, A., Marion, G. H., Margutti, R., Botticella, M. T., Challis, P., Ergon, M., Smartt, S., Sollerman, J., Vinkó, J., and Wheeler, J. C. 2013, [ApJ, 765, 57](#)
- [6] *Truncated Disks in TW Hya Association Multiple Star Systems*, Andrews, S. M., **Czekala, Ian**, Wilner, D. J., Espaillat, C., Dullemond, C. P., and Hughes, A. M. 2010, [ApJ, 710, 462](#)

MANY-AUTHOR PUBLICATIONS

- [1] *ALMA Measurements of Circumstellar Material in the GQ Lup System*, MacGregor, M. A., Wilner, D. J., **Czekala, Ian**, Andrews, S. M., Dai, Y. S., Herczeg, G. J., Kratter, K. M., Kraus, A. L., Ricci, L., and Testi, L. 2017, [ApJ, 835, 17](#)
- [2] *Placing the Spotted T Tauri Star LkCa 4 on an HR Diagram*, Gully-Santiago, M. A., Herczeg, G. J., **Czekala, Ian**, Somers, G., Grankin, K., Covey, K. R., Donati, J. F., Alencar, S. H. P., Hussain, G. A. J., Shappee, B. J., Mace, G. N., Lee, J.-J., Holoién, T. W.-S., Jose, J., and Liu, C.-F. 2017, [ApJ, 836, 200](#)
- [3] *The Coupled Physical Structure of Gas and Dust in the IM Lup Protoplanetary Disk*, Cleeves, L. I., Öberg, K. I., Wilner, D. J., Huang, J., Loomis, R. A., Andrews, S. M., and **Czekala, Ian** 2016, [ApJ, 832, 110](#)
- [4] *The Intermediate Luminosity Optical Transient SN 2010da: The Progenitor, Eruption, and Aftermath of a Peculiar Super-giant High-mass X-Ray Binary*, Villar, V. A., Berger, E., Chornock, R., Margutti, R., Laskar, T., Brown, P. J., Blanchard, P. K., **Czekala, Ian**, Lunnan, R., and Reynolds, M. T. 2016, [ApJ, 830, 11](#)
- [5] *Cosmological Constraints from Measurements of Type Ia Supernovae Discovered during the First 1.5 yr of the Pan-STARRS1 Survey*, Rest, A., Scolnic, D., Foley, R. J., Huber, M. E., Chornock, R., Narayan, G., Tonry, J. L., Berger, E., Soderberg, A. M., Stubbs, C. W., Riess, A., Kirshner, R. P., Smartt, S. J., Schlafly, E., Rodney, S., Botticella, M. T., Brout, D., Challis, P., **Czekala, Ian**, Drout, M., Hudson, M. J., Kotak, R., Leibler, C., Lunnan, R., Marion, G. H., McCrum, M., Milisavljevic, D., Pastorello, A., Sanders, N. E., Smith, K., Stafford, E., Thilker, D., Valenti, S., Wood-Vasey, W. M., Zheng, Z., Burgett, W. S., Chambers, K. C., Denneau, L., Draper, P. W., Flewelling, H., Hodapp, K. W., Kaiser, N., Kudritzki, R.-P., Magnier, E. A., Metcalfe, N., Price, P. A., Sweeney, W., Wainscoat, R., and Waters, C. 2014, [ApJ, 795, 44](#)
- [6] *High-density Circumstellar Interaction in the Luminous Type IIn SN 2010jl: The First 1100 Days*, Fransson, C., Ergon, M., Challis, P. J., Chevalier, R. A., France, K., Kirshner, R. P., Marion, G. H., Milisavljevic, D., Smith, N., Bufano, F., Friedman, A. S., Kangas, T., Larsson, J., Mattila, S., Benetti, S., Chornock, R., **Czekala, Ian**, Soderberg, A., and Sollerman, J. 2014, [ApJ, 797, 118](#)
- [7] *Systematic Uncertainties Associated with the Cosmological Analysis of the First Pan-STARRS1 Type Ia Supernova Sample*, Scolnic, D., Rest, A., Riess, A., Huber, M. E., Foley, R. J., Brout, D., Chornock, R., Narayan, G., Tonry, J. L., Berger, E., Soderberg, A. M., Stubbs, C. W., Kirshner, R. P., Rodney, S., Smartt, S. J., Schlafly, E., Botticella, M. T., Challis, P., **Czekala, Ian**, Drout, M., Hudson, M. J., Kotak, R., Leibler, C., Lunnan, R., Marion, G. H., McCrum, M., Milisavljevic, D., Pastorello, A., Sanders, N. E., Smith, K., Stafford, E., Thilker, D., Valenti, S., Wood-Vasey, W. M., Zheng, Z.,

- Burgett, W. S., Chambers, K. C., Denneau, L., Draper, P. W., Flewelling, H., Hodapp, K. W., Kaiser, N., Kudritzki, R.-P., Magnier, E. A., Metcalfe, N., Price, P. A., Sweeney, W., Wainscoat, R., and Waters, C. 2014, *ApJ*, **795**, 45
- [8] *The superluminous supernova PS1-11ap: bridging the gap between low and high redshift*, McCrum, M., Smartt, S. J., Kotak, R., Rest, A., Jerkstrand, A., Inserra, C., Rodney, S. A., Chen, T.-W., Howell, D. A., Huber, M. E., Pastorello, A., Tonry, J. L., Bresolin, F., Kudritzki, R.-P., Chornock, R., Berger, E., Smith, K., Botticella, M. T., Foley, R. J., Fraser, M., Milisavljevic, D., Nicholl, M., Riess, A. G., Stubbs, C. W., Valenti, S., Wood-Vasey, W. M., Wright, D., Young, D. R., Drout, M., **Czekala, Ian**, Burgett, W. S., Chambers, K. C., Draper, P., Flewelling, H., Hodapp, K. W., Kaiser, N., Magnier, E. A., Metcalfe, N., Price, P. A., Sweeney, W., and Wainscoat, R. J. 2014, *MNRAS*, **437**, 656
- [9] *The Ultraviolet-bright, Slowly Declining Transient PS1-11af as a Partial Tidal Disruption Event*, Chornock, R., Berger, E., Gezari, S., Zauderer, B. A., Rest, A., Chomiuk, L., Kamble, A., Soderberg, A. M., **Czekala, Ian**, Dittmann, J., Drout, M., Foley, R. J., Fong, W., Huber, M. E., Kirshner, R. P., Lawrence, A., Lunnan, R., Marion, G. H., Narayan, G., Riess, A. G., Roth, K. C., Sanders, N. E., Scolnic, D., Smartt, S. J., Smith, K., Stubbs, C. W., Tonry, J. L., Burgett, W. S., Chambers, K. C., Flewelling, H., Hodapp, K. W., Kaiser, N., Magnier, E. A., Martin, D. C., Neill, J. D., Price, P. A., and Wainscoat, R. 2014, *ApJ*, **780**, 44
- [10] *Demographics of the Galaxies Hosting Short-duration Gamma-Ray Bursts*, Fong, W., Berger, E., Chornock, R., Margutti, R., Levan, A. J., Tanvir, N. R., Tunnicliffe, R. L., **Czekala, Ian**, Fox, D. B., Perley, D. A., Cenko, S. B., Zauderer, B. A., Laskar, T., Persson, S. E., Monson, A. J., Kelson, D. D., Birk, C., Murphy, D., Servillat, M., and Anglada, G. 2013, *ApJ*, **769**, 56
- [11] *PS1-10afx at $z = 1.388$: Pan-STARRS1 Discovery of a New Type of Superluminous Supernova*, Chornock, R., Berger, E., Rest, A., Milisavljevic, D., Lunnan, R., Foley, R. J., Soderberg, A. M., Smartt, S. J., Burgasser, A. J., Challis, P., Chomiuk, L., **Czekala, Ian**, Drout, M., Fong, W., Huber, M. E., Kirshner, R. P., Leibler, C., McLeod, B., Marion, G. H., Narayan, G., Riess, A. G., Roth, K. C., Sanders, N. E., Scolnic, D., Smith, K., Stubbs, C. W., Tonry, J. L., Valenti, S., Burgett, W. S., Chambers, K. C., Hodapp, K. W., Kaiser, N., Kudritzki, R.-P., Magnier, E. A., and Price, P. A. 2013, *ApJ*, **767**, 162
- [12] *PS1-10bzj: A Fast, Hydrogen-poor Superluminous Supernova in a Metal-poor Host Galaxy*, Lunnan, R., Chornock, R., Berger, E., Milisavljevic, D., Drout, M., Sanders, N. E., Challis, P. M., **Czekala, Ian**, Foley, R. J., Fong, W., Huber, M. E., Kirshner, R. P., Leibler, C., Marion, G. H., McCrum, M., Narayan, G., Rest, A., Roth, K. C., Scolnic, D., Smartt, S. J., Smith, K., Soderberg, A. M., Stubbs, C. W., Tonry, J. L., Burgett, W. S., Chambers, K. C., Kudritzki, R.-P., Magnier, E. A., and Price, P. A. 2013, *ApJ*, **771**, 97
- [13] *A Jet Break in the X-Ray Light Curve of Short GRB 111020A: Implications for Energetics and Rates*, Fong, W., Berger, E., Margutti, R., Zauderer, B. A., Troja, E., **Czekala, Ian**, Chornock, R., Gehrels, N., Sakamoto, T., Fox, D. B., and Podsiadlowski, P. 2012, *ApJ*, **756**, 189
- [14] *A Spectroscopic Study of Type Ibc Supernova Host Galaxies from Untargeted Surveys*, Sanders, N. E., Soderberg, A. M., Levesque, E. M., Foley, R. J., Chornock, R., Milisavljevic, D., Margutti, R., Berger, E., Drout, M. R., **Czekala, Ian**, and Dittmann, J. A. 2012, *ApJ*, **758**, 132
- [15] *Ultraluminous Supernovae as a New Probe of the Interstellar Medium in Distant Galaxies*, Berger, E., Chornock, R., Lunnan, R., Foley, R., **Czekala, Ian**, Rest, A., Leibler, C., Soderberg, A. M., Roth, K., Narayan, G., Huber, M. E., Milisavljevic, D., Sanders, N. E., Drout, M., Margutti, R., Kirshner, R. P., Marion, G. H., Challis, P. J., Riess, A. G., Smartt, S. J., Burgett, W. S., Hodapp, K. W., Heasley, J. N., Kaiser, N., Kudritzki, R.-P., Magnier, E. A., McCrum, M., Price, P. A., Smith, K., Tonry, J. L., and Wainscoat, R. J. 2012, *ApJ*, **755**, L29
- [16] *Pan-STARRS1 Discovery of Two Ultraluminous Supernovae at $z \approx 0.9$* , Chomiuk, L., Chornock, R., Soderberg, A. M., Berger, E., Chevalier, R. A., Foley, R. J., Huber, M. E., Narayan, G., Rest, A., Gezari, S., Kirshner, R. P., Riess, A., Rodney, S. A., Smartt, S. J., Stubbs, C. W., Tonry, J. L., Wood-Vasey, W. M., Burgett, W. S., Chambers, K. C., **Czekala, Ian**, Flewelling, H., Forster, K., Kaiser, N., Kudritzki, R.-P., Magnier, E. A., Martin, D. C., Morgan, J. S., Neill, J. D., Price, P. A., Roth, K. C., Sanders, N. E., and Wainscoat, R. J. 2011, *ApJ*, **743**, 114

MANUSCRIPT PREPRINTS

- [1] *Characterizing 51 Eri b from 1-5 μm : a partly-cloudy exoplanet*, Rajan, A., Rameau, J., De Rosa, R. J., Marley, M. S., Graham, J. R., Macintosh, B., Marois, C., Morley, C., Patience, J., Pueyo, L., Saumon, D., Ward-Duong, K., Ammons, S. M., Arriaga, P., Bailey, V. P., Barman, T., Bulger, J., Burrows, A. S., Chilcote, J., Cotten, T., **Czekala, Ian**, Doyon,

R., Duchêne, G., Esposito, T. M., Fitzgerald, M. P., Follette, K. B., Fortney, J. J., Goodsell, S. J., Greenbaum, A. Z., Hibon, P., Hung, L.-W., Ingraham, P., Johnson-Groh, M., Kalas, P., Konopacky, Q., Lafrenière, D., Larkin, J. E., Maire, J., Marchis, F., Metchev, S., Millar-Blanchaer, M. A., Morzinski, K. M., Nielsen, E. L., Oppenheimer, R., Palmer, D., Patel, R. I., Perrin, M., Poyneer, L., Rantakyö, F. T., Ruffio, J.-B., Savransky, D., Schneider, A. C., Sivaramakrishnan, A., Song, I., Soummer, R., Thomas, S., Vasisht, G., Wallace, J. K., Wang, J. J., Wiktorowicz, S., and Wolff, S. 2017, ArXiv e-prints, [arXiv:1705.03887](https://arxiv.org/abs/1705.03887) [astro-ph.EP]

INVITED RESEARCH TALKS AND PRESENTATIONS

- May 16, 2017 Harvard Astrostatistics Seminar, Harvard University, Cambridge, MA
Disentangling Spectra With Gaussian Processes: Applications to Radial Velocity Analysis
- Aug 23, 2016 SAMSI Astrostatistics Opening Workshop, Research Triangle Park, NC
Systematics-Dominated Spectroscopic Inference
- Jul 20, 2016 ASIAA Colloquium, Taipei, Taiwan
The Fundamental Properties of Young Stars
- Jul 5, 2016 ASIAA Star Formation Meeting, Taipei, Taiwan
Disk-Based Dynamical Masses and Applications with the SMA
- Jun 9, 2016 Kavli Institute for Astronomy and Astrophysics lunch seminar, Beijing, China
The Fundamental Properties of Young Stars
- Mar 8, 2016 CfA Exoplanet Lunch, Harvard-Smithsonian Center for Astrophysics
Using Protoplanetary Disks to Precisely Weigh Stars
- Feb 9, 2016 BU Lunch Talk, Boston University, Boston, MA
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Dec 10-11, 2015 ISM Seminar at UT Austin, Austin, TX
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Dec 7-8, 2015 Tea Talk at Caltech, Pasadena, CA
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Nov 17, 2015 KIPAC Tea Talk at Stanford University, Palo Alto, CA
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Nov 16, 2015 ACES talk at NASA Ames, Mountain View, CA
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Nov 12-13, 2015 FLASH talk at UC Santa Cruz, Santa Cruz, CA
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Nov 4, 2015 CIPS Planet and Star Formation Seminar, seminar at UC Berkeley, Berkeley, CA
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Apr 22, 2015 CIPS Planet and Star Formation Seminar, Berkeley University, CA
Flexible Spectroscopic Inference for Young Stars
- Apr 14, 2015 Astrostatistics Seminar, Statistics Department, Harvard University, MA
Flexible Spectroscopic Inference

CONTRIBUTED RESEARCH TALKS AND PRESENTATIONS

- Mar 3, 2017 Bay Area Exoplanet Meeting, NASA Ames, Mountain View, CA
Disentangling Stellar Spectra with Gaussian Processes: Applications to Radial Velocity Analysis
- Oct 17-28, 2016 SAMSI Exoplanet Workshop, Research Triangle Park, NC
Modeling Stellar Spectra with Gaussian Processes
- Jan 7, 2016 Dissertation talk, AAS Winter Meeting, Kissimmee, FL
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- Oct 19-21, 2015 Fitting Stars, CMDs, and Galaxies, Rockport, MA
Constructing a Likelihood Function for Spectroscopic Inference
- Sep 18, 2015 Bay Area Exoplanet Science Meeting, The SETI Institute, Mountain View, CA
Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution
- May 28-29, 2015 Emerging Researchers in Exoplanet Science Symposium, The Pennsylvania State University
Accessing the Fundamental Properties of Young Stars
- Jun 18-21, 2014 ExoStat 2014, Carnegie Mellon University, PA
Fitting Stellar Spectra With Some Help From Gaussian Processes
- Apr 27, 2012 CfA OIR Symposium, Cambridge, MA
The Unusually Luminous Extragalactic Nova SN 2010U
- Jan 21 - 27, 2012 Physics of Astronomical Transients, Aspen Center for Physics, Aspen, CO
Supernovae Impostors and Pan-STARRS
- Jun 28 - 30, 2011 Intermediate Luminosity Red Transients, Space Telescope Science Institute, Baltimore, MD
The Unusually Luminous Extragalactic Nova SN 2010U
- Apr 16, 2010 ACC Meeting of the Minds Conference, Georgia Institute of Technology
Precision Array to Probe the Epoch of Reionization (PAPER) Instrumentation Study
- Apr 9 - 10, 2010 AIAA Region I-MA Student Conference, Virginia Institute of Technology
Precision Array to Probe the Epoch of Reionization (PAPER) Instrumentation Study

SUCCESSFUL P.I. PROPOSALS

- Aug 2016 ALMA Cycle 4: *Resolving the AK Sco Circumbinary Disk*
1 hour Band 6
- Oct 2014 CfA Optical and Infrared division: *Pre-Main Sequence Models*
1 night on Magellan/MIKE
- Jun 2014 CfA Optical and Infrared division: *Determining the Systematic Error of Veiling*
3 nights each on 1.5m/TRES and 1.2m/Keplercam
- Oct 2013 CfA Optical and Infrared division: *Pre-Main Sequence Models*
1 night on Magellan/MIKE
- Jun 2013 CfA Optical and Infrared division: *Pre-Main Sequence Models*
3 nights each on 1.5m/TRES and 1.2m/Keplercam

SELECTED POSTERS

- [*Using Protoplanetary Disks to Weigh the Youngest Stars and Constrain The Earliest Stages of Stellar Evolution*](#)
Ian Czekala, S. M. Andrews, E. L. N. Jensen, K. G. Stassun, D. Latham, D. J. Wilner, & G. Torres
Extreme Solar Systems III Conference, Waikoloa Village, HI, Nov 29 - 4, 2015
- A Disk-based Dynamical Mass Estimate for the Young Binary AK Sco*

Ian Czekala, S. M. Andrews, E. L. N. Jensen, K. G. Stassun, G. Torres, & D. J. Wilner
2015 Gordon Research Conference on Origins of Solar Systems, Mount Holyoke, MA

3. *A Novel Tool for the Spectroscopic Inference of Fundamental Stellar Parameters*
Czekala, Ian; Andrews, Sean M.; Latham, David W.; Torres, Guillermo
Summer AAS Meeting #224 #322.01, Boston, MA
2. *The Unusually Luminous Extragalactic Nova SN 2010U*
Czekala, Ian; Chornock, R.; Berger, E.; Pastorello, A.; Marion, G. H.; Challis, P.; Wheeler, J. C.; Botticella, M. T.; Smartt, S.; Ergon, M.; Sollerman, J.
American Astronomical Society, AAS Meeting #218, #127.11; Vol. 43, 2011
1. *Truncated Disks in TW Hya Association Multiple Star Systems*
Czekala, Ian; Andrews, Sean
American Astronomical Society, AAS Meeting #215, #428.05; Vol. 42, p.345 awarded **Chambliss Student Achievement Award**

WORKSHOPS AND CONFERENCES

Jun 23 - 28, 2013	<i>Gordon Research Conference on Origins of Solar Systems, Mount Holyoke, MA</i>
May 29 - Jun 5, 2012	<i>NRAO Summer School on Interferometry and Aperture Synthesis, Socorro, NM</i>
Sept 14 - 16, 2011	<i>NRAO CASA Reduction Workshop, Socorro, NM</i>
Sept 18 - 21, 2011	<i>PAN-STARRS Science Consortium Meeting, Cambridge, MA</i>
Aug 24 - 25, 2011	<i>Derek Bok Teaching Conference, Harvard University, Cambridge, MA</i>
Sept 22, 2009	<i>The Fourth North American ALMA Science Center Conference, Charlottesville, VA</i>

OPEN SOURCE CODE PACKAGES

PSOAP	Disentangling of Stellar Spectra for Radial Velocity Analysis https://github.com/iancze/PSOAP
DiskJockey	UV plane modeling of sub-mm interferometric protoplanetary disk observations https://github.com/iancze/DiskJockey ASCL: http://adsabs.harvard.edu/abs/2016ascl.soft03011C
Starfish	Modular tools for spectroscopic inference http://iancze.github.io/Starfish/ ASCL: http://adsabs.harvard.edu/abs/2015ascl.soft05007C

OBSERVING EXPERIENCE

Magellan Clay 6.5 Meter, Las Campanas Observatory, Chile

Jul 3-4, 2015	<i>MIKE Pre-Main Sequence Models</i>
May 22-23, 2014	<i>MIKE Pre-Main Sequence Models</i>
Oct 20-21, 2011	<i>LDSS-3 and MagE GRB host galaxies and supernovae candidates from Pan-STARRS</i>
Jan 11-12, 2011	<i>LDSS-3 GRB host galaxies and supernovae candidates from Pan-STARRS</i>

Multiple Mirror Telescope 6.5 Meter, Fred Lawrence Whipple Observatory, Arizona

Nov 26-28, 2011	<i>BlueChannel Pan-STARRS supernova and variable stars</i>
Feb 21-23, 2011	<i>BlueChannel Pan-STARRS supernova and variable stars</i>

Commissioning

Jun - Aug, 2012 MMTCam commissioning and installation at MMT

The Submillimeter Array Interferometer, Mauna Kea, Hawaii

Feb 20-24, 2014 SMA queue observing
Nov 6 - 10, 2014 SMA queue observing
Jan 14 - 20, 2015 SMA queue observing

Gemini Planet Imager (GPI), Gemini South, Chile

Nov 16-18, 2016 GPIES Survey

TEACHING

Jan - May 2013 *Teaching Fellow, AY 193: Noise and Data Analysis in Astrophysics*
Bok Center Certificate of Distinction in Teaching
Wrote and delivered two class lectures
Jan - May 2013 *AY302: Scientists Teaching Science, taught by Dr. Phil Sadler*
Sep - Dec 2012 *Teaching Fellow, AY 17: Galaxies and Cosmology*
Bok Center Certificate of Distinction in Teaching

OUTREACH AND SERVICE

Dec 2016 Bay Area Exoplanet Meeting LOC
2016 - present Referee for the Astrophysical Journal
2013 - 2015 Harvard Astronomy Department Peer mentor
2012 - 2013 Harvard Undergrad Observing Project (HOP) volunteer
Apr 28, 2012 Cambridge Explores the Universe, volunteer
Sep 2011 - Mar 2012 Braintree High School Science Fair Mentor with students
Mr. Joshua Kelleher and Mr. Brendan Newell
Feb 2011 - Feb 2012 Fauquier County Light Pollution High School Science Project Mentor
with student Ms. Virginia Johnson
Feb 8, 2012 High Science Fair Judge, East Boston High School
Oct 26, 2011 Science in the News (SITN) Public Lecture, *The Chemical Enrichment of the Universe*, Boston, MA
Jul 2011 - 2015 Library Committee Graduate Student Representative, Harvard-Smithsonian CfA Wolbach Library
Dec 2010 - 2015 *Astrobites* (daily astrophysical literature journal) co-founder and contributing author
Oct 2009 - Apr 2010 *Dark Skies, Bright Kids* science program, rural Central Virginia

COLLABORATIVE POSTERS

2. *Snapshots of the Universe: A Multi-Lingual Astronomy Art Book*
Beaton, Rachael; Jackson, L.; Carlberg, J.; Johnson, K.; Marchand, R.; Sivakoff, G.; **Czekala, I.**; Damke, G.; Dean, J.; Drosback, M.; Gugliucci, N.; Martinez, O.; Wong, A.; Zasowski, G.; Skies, Dark; Kids, Bright
American Astronomical Society, AAS Meeting #220, #437.13
1. *Astrobites: The Astro-ph Reader's Digest For Undergraduates*
Sanders, Nathan; Newton, E. R.; **Czekala, I.**; Rosenfeld, K.; Dressing, C. D.; Gifford, D.; Suresh, J.; Schneider, E.; Morley, C.; Kohler, S.
American Astronomical Society, AAS Meeting #218, #333.11; Bulletin of the American Astronomical Society, Vol. 43, 2011

REFERENCES

Professor Bruce Macintosh	Stanford University (bmacintosh@stanford.edu)
Dr. Sean M. Andrews	Harvard-Smithsonian Center for Astrophysics (sandrews@cfa.harvard.edu)
Professor Eric L. N. Jensen	Swarthmore College (ejensen1@swarthmore.edu)
Dr. David Latham	Harvard-Smithsonian Center for Astrophysics (dlatham@cfa.harvard.edu)
Professor James Moran	Harvard-Smithsonian Center for Astrophysics (jmoran@cfa.harvard.edu)
Professor Kelsey Johnson	University of Virginia (kej7a@virginia.edu)