D References

Cao, W., Jing, J., Ma, J., Xu, Y., Wang, H. and Goode, P.R., 2005, *Diffraction Limited Polarimetry from InfraredImaging Magnetograph of Big Bear Solar Observatory*, Ap.J. Letters, submitted.

Denker, C., Mascarinas, D., Xu, Y. Cao, W., Yang, G., Wang, H., Goode, P. R. and Rimmele, T., 2005, *High-Spatial-Resolution Imaging Combining High-Order Adaptive Optics, Frame Selection, and Speckle Masking Reconstruction*, Solar Physics, 227, 217-230

Didkovsky, L, Dolgushyn, A., Marquette, W., Hegwer, S., Ren, D. Fletcher, S. Richards, K., Rimmele, T. R. Denker, C. and Wang, H. 2003, "High-order adaptive optical system for Big-Bear Solar Observatory," Proc. SPIE, 4853, 630-639

Ellerbroek, B. E. Giles, L. and Vogel, C. R. 2003, "Numerical simulations of multi-conjugate adaptive optics wave-front re-construction on giant telescope," Applied Optics, 42, 4811

Goode, P. R., Denker, C. J., Didkovsky, L. I., Kuhn, J. R. and Wang, H., 2003, “1.6 M Solar Telescope in Big Bear – The NST", JKAS, 36, 125-133

Hill, F. et al., 2004, ATST Site Survey Report

Lin, H., Kuhn, J.R. and Coulter, R., 2004, *Coronal Magnetic Field Measurements*, Ap.J., Letters, 613, L177-180

Liu, C., Deng, N., Liu, Y., Falconer, D., Goode, P. R., Denker, C. and Wang, H., 2005, *Rapid Change of delta Spot Structure Associated with Seven Major Flares*, Ap.J., 622, 722-736

Madec, P.Y., 1999, in *Adaptive Optics for Astronomy*, F. Roddier ed., Cambridge University Press, 131

Rimmele, T. R., 2004 *Recent advances in solar adaptive optics*, 2004, SPIE, 5490, 34

Ragazzoni, R., Marchetti, E. and Rigut, F., 1999, *Modal Tomography for Adaptive Optics*, A&A, 342, L53-56

Ren, D., Hegwer, S. and Rimmele, T. R. et al. 2003a, "The optical design of a high order adaptive optics for the NSO Dunn solar telescope and the Big Bear solar observatory”,Proc. SPIE, 4853, 593

Ren, D., Rimmele, T., Hegwer, S. and Murray, L. 2003b, "A single-mode fiber interferometer for AO wavefront test", PASP, 115, 355-361

Rimmele, T. R., Richards, K., Hegwer, S. L., Ren, D., Fletcher, S., Gregory, S., Didkovsky, L. V., Denker, C. J., Marquette, W., Marino, J., Goode, P. R. 2003, "Solar adaptive Optics: a Progress Report", Proc. SPIE, 4839, 635

Spirock, T.,Yurchyshyn, V., and Wang, H., 2002, *Rapid Changes in the Longitudinal Magnetic Field Related to the 2001 April 2 X20 Flare*, Ap.J., 572, 1072-1076

Tokovinn, A. et al. 2001, "optimized modal tomography in adaptive optics," A&A, 378, 710

Tritschler, A., Denker, C., Rimmele, T., Richards, K and Hegwer, S., 2005, “The High-Order Adaptive Optics System at the Big Bear Solar Observatory", Solar Physics, submitted

Wang, H., Qiu, J., Denker, C., Spirock, T., Chen, H., and Goode, P. R., 2000, *High-Cadence Observations of an Impulsive Flare*, ApJ, 542, 1080-1087

Wang, H., Spirock, T. J., Qiu, J., Ji, H., Yurchyshyn, V., Moon, Y.-J., Denker, C. and Goode, P. R., 2002, *Rapid Changes of Magnetic Fields Associated with Six X-Class Flares*, Ap.J., 576, 497-504

Wang, H., Liu, C., Qiu, J., Deng, N., Goode, P. R., & Denker, C., 2004, *Rapid Penumbral Decay Following Three X-Class Flares*, Ap.J. Letters, 601, L195-198

Xu, Y., Cao, W., Liu, C., Yang, G., Qiu, J., Jing, J. Denker, C. and Wang, H., 2004, *Near-Infrared Observations at 1.56 Microns of the 2003 October 29 X10 White-Light Flare*, 2004, Ap.J. Letter, 607, L131

Xu, Y., Cao, W., Liu, C., Yang, G., Jing, J., Denker, C., and Wang, H., 2005, *High Resolution Observations of Multi-Wavelength Emissions During Two X-Class White-Light Flares*, Ap.J., Submitted

Yang, G., Xu, Y., Cao, W., Wang, H., Denker, C. and Rimmele, T. R., 2004, *Photospheric Shear Flows Along the Magnetic Neutral Line of Active Region 10486 Prior to An X10 Flare*, 2004, Ap. J. Letters, 617, L151-154