MPS Observing Campaign June 2014 Overview of He I 10830 data

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Sunspots

- close to disk center
- time series
- medium heliocentric angle
- close to limb



3 Pore







order 5 40ms, 10 acq noise¹=7–11E-4 RMS contr=2.5% res=0."44





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order 5 40ms, 10 acq noise¹=7–11E-4 RMS contr=2.5%res=0.744





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AR 12096, $\mu = 0.98$





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⁽¹⁾3 WL-pix avg.





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Powersepctrum || Slit





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Powersepctrum || Slit





AR 12098, $\mu = 0.97$





order 5 40ms, 10 acq noise¹=7–11E-4 RMS contr=2.2% res=0."41

scans also with slit || to filaments

⁽¹⁾3 WL-pix avg.

AR 12098, $\mu = 0.97$





order 5 40ms, 10 acq noise¹=7–11E-4 RMS contr=2.2% res=0."41

scans also with slit || to filaments

⁽¹⁾3 WL-pix avg.

17/30

AR 12098, $\mu = 0.97$





order 5 40ms, 10 acq noise¹=7–11E-4 RMS contr=2.2% res=0."41 scans also with slit || to filaments





Sunspots medium heliocentric angle

AR 12096, $\mu = 0.6$ & filament





order 5; 40ms, 20 acq; noise=6-9E-4; RMS contr=1.8%; res=0."41

AR 12096, $\mu = 0.6$ & filament





order 5; 40ms, 20 acq; noise=6-9E-4; RMS contr=1.8%; res=0."41

AR 12096, $\mu = 0.25$ & filament





order 5; 60ms, 20 acq; noise=5–8E-4; RMS contr=1.8%; res=0."6 more good scans at various μ angles available

AR 12096, $\mu = 0.25$ & filament





order 5; 60ms, 20 acq; noise=5–8E-4; RMS contr=1.8%; res=0."6 more good scans at various μ angles available

Spicules

faculae at W-limb





order 5; 60ms, 20 acq; noise=6–10E-4; RMS contr=2.2%; res=0."68 also available: limb scan above spot

Spicules

faculae at W-limb





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Pore

pore and AFS, $\mu = 0.97$





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pore and AFS, $\mu = 0.97$





order 5; 60ms, 20 acq; noise=5-8E-4; RMS contr=1.8%; res=0."44

Bipolar Regions

AR 12098, $\mu = 0.97$





order 5; 40ms, 20 acq; noise=6-10E-4; RMS contr=2.2%; res=0."6 also available: time series of loop top, 2 other AFSs / EMFs

Bipolar Regions

AR 12098, $\mu = 0.97$





order 5; 40ms, 20 acq; noise=6-10E-4; RMS contr=2.2%; res=0."6 also available: time series of loop top, 2 other AFSs / EMFs