

## **HAO/NCAR HMI Monthly Progress Report, Aug/Sep 2006**

Masahito Kubo has been offered and has accepted the joint Solar-B/HMI post-graduate scientist position. Due to commitments to Solar-B during the post-launch period, he will start at HAO on April 1, 2007.

We have continued to apply Artificial Neural Networks (ANNs) to the determination of the magnetic field vector with HMI. So far we have focused on the magnetic field strength only, studying how the number of hidden cells and layers affect the accuracy of the inversion. The next step will be to apply this same technique to determine the magnetic field inclination and azimuth.

We just received comments on the HMI line selection paper from the referee and have started responding to them. We are finishing up the modifications to the magnetic field retrieval paper in response to the referees comments.

Steven Tomczyk, Sep 13, 2006