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We have analyzed the new polarization calibration data taken during the vacuum tests. Data from February 20th shows a significant improvement in the fluctuations of the lamp intensity and dark levels. Consistent values for the retardance and mount errors in the three HMI waveplates were obtained and, for the first time, a calibration error matrix satisfying the specifications in the IPD was determined. This calibration matrix will allow us to correct the crosstalk (mainly leakage between Q, U and V) well below the specifications of 0.01%.

CAL=

1.00000	1.11E-3	1.27E-3	3.88E-5
7.87E-18	1.00000	3.10E-4	2.79E-3
9.59E-19	1.38E-4	0.99987	1.28E-3
5.48E-18	1.56E-3	1.26E-3	1.00023

Juan Borrero Santiago and Steven Tomczyk, March 12, 2007