

PROMPT Reflectivity Report

PROMT have been washed on November 5 .And previous wash was on June 25 of this year. We measured their reflectivity before and after applying our in-situ wash technique. Due to our reflectometer's limitation to measure down to certain radius of curvatures, the data could be lower than real reflectance, so that we just keep the difference between measurements before and after wash, disregarding absolute reflectance values. The following table shows the average reflectance gain after washing the mirrors.

	P1	P2	P3	P4	P5
Av. Reflectivity % Gain after Wash.	6.24%	4.36%	4.61%	7.87%	6.34%

Mirrors were very dusty, maybe because Domes aren't very well sealed and/or Mirrors have long exposure to windy days. From the table we see that reflectance gain is about ~6% after washing the mirrors. That means there is a considerable reflectivity loss in a couple of months without maintenance.

From now on PROMPT will be included in our Telescope's Mirrors Wash Schedule, being washed every 3-4 months in order to keep Reflectivity as high as possible.

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