

16 June 2017. Reflectivity Report for INT Primary mirror . Measurements by Neil O'Mahony.
 Last cleaning was water wash, on 23 February.

	Tempr. °C	Reflectivity (%R) wavelength of band (nm)							"Dust Indices" (DI)						
		365	404	464	522	624	760	970	365	404	464	522	624	760	970
1067 19/04/2017 14:37 3 INTM1 all	18.1	87.7	86.7	86.8	87.2	86.5	84.1	90.2	7.6	6.9	6.8	5.3	6.1	5.4	5.7
1068 19/04/2017 14:38 3 INTM1 all	18.3	88.3	87.1	87.0	87.6	86.7	84.3	90.4	6.8	7.1	7.0	5.2	6.2	5.2	5.2
1069 19/04/2017 14:39 3 INTM1 all	18.5	88.2	87.0	86.9	87.4	86.7	84.2	90.4	6.8	6.4	6.5	5.0	5.7	4.9	5.1
1070 19/04/2017 14:40 3 INTM1 all	18.8	86.9	86.5	86.6	87.2	86.0	84.1	90.0	10.0	8.3	7.8	5.8	7.4	5.5	6.5
1071 19/04/2017 14:41 3 INTM1 all	19	88.0	87.0	86.9	87.2	86.6	84.0	90.3	7.3	6.3	6.4	5.0	5.9	5.3	5.3
averages		87.8	86.9	86.8	87.3	86.5	84.1	90.3	7.7	7.0	6.9	5.3	6.3	5.3	5.6
Loss of Reflectivity since 7 March (6 weeks)		1.5	1.4	1.6	1.3	1.6	1.4	1.7							
Increase in Scattering since 7 March									1.6	1.4	1.7	1.4	2.3	2.0	2.4
Accumulated %R lost since wash, 7 Feb.		2.0	2.0	2.2	2.1	2.3	2.2	2.4							

Conclusion: Dust accumulated in 6 weeks has resulted in a larger loss of reflectivity than the calima event that followed washing.
 Interesting increase in scattering at red wavelengths. Previously observed higher scattering in blue.
 The total loss in reflectivity would justify CO2 cleaning. This has not taken place due to internal humidity generally > 25%.