

WHT Reflectivity Report for primary and tertiary mirrors (M1 and M3) from measurements with CT7 on 29 September 2017

Follows calima events. 3-5% loss of reflectivity. No cleaning was undertaken.

			Tempr. °C	wavelength of band (nm)							"Dust Indices"						
				365	404	464	522	624	760	970	365	404	464	522	624	760	970
1181	29/09/2017 13:59	1 WHTM1 all	23.3	84.6	82.8	82.0	81.3	81.1	78.2	83.3	11.8	12.9	15.2	14.3	15.9	15.8	17.3
1182	29/09/2017 14:00	1 WHTM1 all	23.2	85.2	83.7	82.9	83.0	81.8	79.3	84.5	11.0	11.6	13.5	12.1	14.8	14.2	15.5
1183	29/09/2017 14:01	1 WHTM1 all	23.2	84.9	83.5	83.1	82.9	82.1	79.4	84.4	11.9	12.2	13.5	11.9	14.4	13.7	15.4
1184	29/09/2017 14:02	1 WHTM1 all	23.1	85.7	84.0	83.3	83.3	82.2	79.4	84.8	10.4	11.0	13.1	11.1	14.2	13.6	14.6
1185	29/09/2017 14:03	1 WHTM1 all	23.1	85.2	83.5	82.9	82.6	81.8	78.9	84.2	10.8	11.4	13.3	11.7	14.6	14.2	15.5
averages				85.1	83.5	82.8	82.6	81.8	79.0	84.24	11.2	11.8	13.7	12.2	14.8	14.3	15.66
change since last data, 11/08/17				-3.8	-4.0	-4.0	-4.3	-4.4	-4.4	-5.08	3.5	4.1	5.0	5.1	6.5	6.5	7.577
Tertiary Mirror:																	
1186	29/09/2017 14:05	5 WHTM3 all	23.1	81.9	81.1	81.3	82.0	82.0	79.8	86	21.6	19.9	20.5	15.1	16.7	13.3	12.8
1187	29/09/2017 14:06	5 WHTM3 all	23.1	80.7	80.2	80.8	81.4	81.7	79.7	86.2	26.4	25.1	24.4	17.7	19.0	15.1	13.5
1188	29/09/2017 14:23	5 Gauge	22.4	84.8	83.9	88.6	90.7	89.7	83.5	87.2	2.4	3.0	2.5	1.5	1.1	0.9	1.1
1189	29/09/2017 14:26	0 Gauge	23	84.7	83.9	88.6	90.7	89.7	83.5	87.1	2.5	2.9	2.5	1.5	1.1	0.9	1.1
1190	29/09/2017 14:27	0 Gauge	23.3	84.7	83.6	88.4	90.4	89.6	83.2	86.8	2.6	3.4	2.9	1.9	1.3	1.3	1.4
Check in April 2018																	
1405	30/04/2018 13:52	5 WHTM3 all	21.4	76.2	76.1	76.7	78.3	78.4	77.0	83.9	30.9	33.5	33.7	23.8	25.0	19.6	17.3
1406	30/04/2018 13:53	5 WHTM3 all	21.3	80.4	79.8	80.8	80.0	81.0	78.9	84.0	23.8	22.2	21.8	18.2	18.5	15.2	16.0
				78.3	78.0	78.8	79.2	79.7	78.0	84.0	27.4	27.9	27.8	21.0	21.8	17.4	16.7

Note: when Dust Index > 15% then accuracy of %R measurement degrades to > 1% (amount not given in documentation).

Sample is too small to say whether there has been change between October 2017 and April 2018