

Measurements on WHT primary after calima episode lasting 2 days. Tried N48-CO2 cleaning but ran out after 2 minutes. Top cleaned slightly.
 Measurements at top taken after brief cleaning show no significant improvement. Loss of reflectivity since last august is still <2%, but scattering increased.

				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
1517	07/02/2019 11:00	3 left		17.7	83.8	82.6	82.4	82.5	82.0	79.7	85.6	15.9	16.3	17.2	14.2	15.9	14.5	15.1
1518	07/02/2019 11:01	3 bottom		17.6	83.7	82.5	82.3	82.7	82.0	79.8	85.8	16.8	16.6	17.6	14.0	16.4	14.3	14.9
1519	07/02/2019 11:02	3 bottom		17.6	85.7	84.3	83.7	84.4	83.5	81.2	87.8	13.1	13.1	14.3	11.0	12.5	11.4	10.4
1520	07/02/2019 11:03	3 right		17.7	83.8	82.7	82.6	83.0	82.1	80.2	86.1	16.6	16.3	17.3	13.4	15.5	13.4	13.6
1521	07/02/2019 11:05	3 top		17.6	85.3	83.9	83.5	83.9	83.4	80.9	87.2	14.6	14.5	15.1	12.3	13.6	12.4	12.3
1522	07/02/2019 11:06	3 top		17.6	84.7	83.7	83.4	84.1	83.0	81.1	87.1	15.7	14.9	15.6	11.9	14.1	11.8	11.9
1523	07/02/2019 11:07	3 left		17.7	85.0	84.0	84.0	83.6	83.7	81.1	86.8	14.9	14.4	14.7	12.6	13.0	12.0	12.4
average all					84.6	83.4	83.1	83.5	82.8	80.6	86.6	15.4	15.2	16.0	12.8	14.4	12.8	12.9
average top					85.0	83.8	83.5	84.0	83.2	81.0	87.2	15.2	14.7	15.4	12.1	13.9	12.1	12.1
average omit 1,2					84.9	83.7	83.4	83.8	83.1	80.9	87.0	15.0	14.6	15.4	12.2	13.7	12.2	12.1
1524	07/02/2019 14:12	3 top		21.4	85.2	83.6	83.9	83.7	84.2	81.5	88.1	16.0	15.9	15.8	12.5	13.0	11.3	10.8
1525	07/02/2019 14:13	3 top		21.3	85.6	84.5	84.2	84.9	84.2	82.2	88.9	15.9	15.3	15.9	11.8	13.4	10.9	10.6
1526	07/02/2019 14:13	3 top		21.1	85.5	84.3	84.0	84.8	84.0	82.1	88.7	16.8	16.1	16.7	12.3	14.1	11.3	11.0
average top					85.4	84.1	84.0	84.5	84.1	81.9	88.6	16.2	15.8	16.1	12.2	13.5	11.2	10.8
change following brief CO2, top only					0.4	0.3	0.6	0.5	0.9	0.9	1.4	1.1	1.1	0.8	0.1	-0.4	-0.9	-1.3
change following brief CO2, selected					0.5	0.4	0.6	0.7	1.0	1.0	1.6	1.3	1.1	0.7	0.0	-0.2	-1.0	-1.3
Change since CO2 (% , Aug 2018)					-1.7	-1.8	-1.8	-1.6	-1.4	-1.4	-0.9	3.9	4.1	4.2	2.8	3.2	2.6	2.3