CAR

Cloud Absorbtion Radiometer

Dichroic Splitting Scheme

- Rev. 8/19/2010, bap.

		Bandpasses 1	2	3S	3P	4	5	6S	6P	7	8	9	10	11	12	13	14	15	16
µm		0.34	0.38	0.44	0.44	0.55	0.67	0.87	0.87	0.94	1.04	1.22	1.38	1.66	2.21	3.96	8.85	10.9	13.3
FWHM		0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.2	0.2	0.2	0.2
Dichroic #1	T															90%	90%	90%	90%
R < 3µm	R	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%				
Dichroic #2	T							90%	90%	90%	90%	90%	90%	90%	90%				
R < .7µm	R	90%	90%	90%	90%	90%	90%												
Dichroic #3	T			90%	90%	90%	90%												
R < .4µm	R	90%	90%																
Dichroic #4	T		90%																
Reflect 340	R	90%																	
Dichroic #5	T					90%	90%												
Reflect 440	R			90%	90%														
Dichroic #6	T				90%														
Polarization Split 443	R			90%															
Dichroic #7	T						90%												
Reflect 550	R					90%													
Dichroic #8	T											90%	90%	90%	90%				
R < 1.1µm	R							90%	90%	90%	90%								
Dichroic #9	T									90%	90%								
Reflect 870	R							90%	90%										
Dichroic #10	T								90%										
Polarization Split 870	R							90%											
Dichroic #11	T										90%								
Reflect 940	R									90%									
Dichroic #12	T													90%	90%				
R < 1.4µm	R											90%	90%						
Dichroic #13	T												90%						
Reflect 1.22µm	R											90%							
Dichroic #14	T														90%				
Reflect 1.66µm	R													90%					
Dichroic #15	T																	90%	90%
R < 10µm	R															90%	90%		
Dichroic #16	T																90%		
Reflect 3.96µm	R															90%			
Dichroic #17	T																		90%
Reflect 10.9µm	R																	90%	
µm		0.34	0.38	0.44	0.44	0.55	0.67	0.87	0.87	0.94	1.04	1.22	1.38	1.66	2.21	3.96	8.85	10.9	13.3
FWHM		0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.2	0.2	0.2	0.2
Filter 1	T	90%																	
Filter 2	T		90%																
Filter 3S	T			90%															
Filter 3P	T				90%														
Filter 4	T					90%													
Filter 5	T						90%												
Filter 6S	T							90%											
Filter 6P	T								90%										
Filter 7	T									90%									
Filter 8	T										90%								
Filter 9	T											90%							
Filter 10	T												90%						
Filter 11	T													90%					
Filter 12	T														90%				
Filter 13	T															90%			
Filter 14	T																90%		
Filter 15	T																	90%	
Filter 16	T																		90%

Notes:

Values shown are not requirements
Bandpass Splt points may be modified