MODIS Reflective Bands

BAND	CENTER	IFOV (m)	WIDTH	PURPOSE
		LAND AND CLOUD BOUNDARIES BANDS		
1	659	250	50	VEG CHLOROPHYLL ABS LAND COVER TRANS.
2	865	250	40	CLOUD AND VEGETATION LAND COVER TRANSFMTN
		LAND AND CLOUD PROPERTIES BANDS		
3	470	500	20	SOIL, VEG DIFFERENCES
4	555	500	20	GREEN VEGETATION
5	1240	500	20	LEAF/CANOPY PROPERTIES
6	1640	500	20	SNOW/CLOUD DIFFERENCES
7	2130	500	50	LAND & CLOUD PROPERTIES
		OCEAN COLOR BANDS		
8	415	1000	15	CHLOROPHYLL
9	443	1000	10	CHLOROPHYLL
10	490	1000	10	CHLOROPHYLL
11	531	1000	10	CHLOROPHYLL
12	~~555~~ 551	1000	10	SEDIMENTS
13	667	1000	10	SEDIMENTS, ATMOSPHERE
14	681	1000	10	CHLOR. FLUORESCENCE
15	750	1000	10	AEROSOL PROPERTIES
16	865	1000	15	AEROSOL/ATM PRPRTS
		ATMOSPHERE/CLOUD BANDS		
17	905	1000	30	CLOUD/ATM PROPERTIES
18	936	1000	10	CLOUD/ATM PROPERTIES
19	940	1000	50	CLOUD/ATM PROPERTIES

DRAFT

Attachment 9

Attachment 7

MODIS Emissive Bands

Thermal Bands

BAND	CENTER	IFOV (m)	WIDTH	PURPOSE
20	3.75	1000	0.18	SEA SURFACE TEMP
21	3.75	1000	0.05	FOREST FIRES/VOLCANOES
22	3.75	1000	0.05	CLOUD/SFC TEMPERATURE
23	3.96	1000	0.05	CLOUD/SFC TEMPERATURE
24	4.47	1000	0.05	TROP TEMP/CLD FRACTION
25	4.52	1000	0.05	TROP TEMP/CLD FRACTION
26	4.57	1000	0.05	TROP TEMP/CLD FRACTION
27	6.72	1000	0.36	MID-TROP HUMIDITY
28	7.33	1000	0.30	UPPER-TROP HUMIDITY
29	8.55	1000	0.30	SFC TEMPERATURE
30	9.73	1000	0.30	TOTAL OZONE
31	11.03	1000	0.50	CLOUD/SFC TEMPERATURE
32	12.02	1000	0.50	CLOUD/SFC TEMPERATURE
33	13.34	1000	0.30	CLOUD HEIGHT & FRACTION
34	13.64	1000	0.30	CLOUD HEIGHT & FRACTION
35	13.94	1000	0.30	CLOUD HEIGHT & FRACTION
36	14.24	1000	0.30	CLOUD HEIGHT & FRACTION

* Band Center and Bandwith are in Nanometers for Bands 1-19, and Micrometers for Bands 20-26.

DRAFT