

ATMOSPHERE PRODUCT SWIR DEPENDENCIES

Product	Band 5 (1.2 μm)	Band 6 (1.6 μm)	Band 7 (2.1 μm)	Band 26 (1.38 μm)	usage
MOD06: Cloud Retrievals <i>(optical thickness, effective radius, liquid water path)</i>	<i>(over snow/ice only)</i>				bands 6 and 7 are critical, band 5 only used over snow/ice surfaces
MOD04: Aerosols - ocean <i>(optical thickness, size distribution parameters)</i>					band 7 most important, followed by band 6
MOD04: Aerosols - land <i>(optical thickness)</i>					critical
MOD35: Cloud Mask		<i>(snow difference index)</i>	<i>(aerosol flag)</i>	<i>(thin cirrus)</i>	
MOD05: Precipitable Water					critical to Gao algorithm
MOD06: Contrail/Cirrus detection					critical

* MOD04, 05, 06 all use the cloud mask