

C6 MODATML2 SDS	ATML2 Data Type	Source File	C6 Source SDS	Native Resolution
Latitude	Short (5 km)	MOD06_L2	Latitude	5 km
Longitude	Short (5 km)	MOD06_L2	Longitude	5 km
Precipitable_Water_Infrared_ClearSky	Short (5 km)	MOD05_L2	Water_Vapor_Infrared	5 km
Precipitable_Water_Near_Infrared_ClearSky	Short (5 km)	MOD05_L2	Water_Vapor_Near_Infrared	1 km
Cloud_Optical_Thickness	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness	1 km
Cloud_Optical_Thickness_Uncertainty	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_Uncertainty	1 km
Cloud_Optical_Thickness_PCL	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_PCL	1 km
Cloud_Optical_Thickness_16	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_16	1 km
Cloud_Optical_Thickness_16_PCL	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_16_PCL	1 km
Cloud_Optical_Thickness_37	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_37	1 km
Cloud_Optical_Thickness_37_PCL	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_37_PCL	1 km
Cloud_Optical_Thickness_1621	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_1621	1 km
Cloud_Optical_Thickness_1621_PCL	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_1621_PCL	1 km
Cloud_Optical_Thickness_Uncertainty_16	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_Uncertainty_16	1 km
Cloud_Optical_Thickness_Uncertainty_37	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_Uncertainty_37	1 km
Cloud_Optical_Thickness_Uncertainty_1621	Short (5 km)	MOD06_L2	Cloud_Optical_Thickness_Uncertainty_1621	1 km
Cloud_Effective_Radius	Short (5 km)	MOD06_L2	Cloud_Effective_Radius	1 km
Cloud_Effective_Radius_Uncertainty	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_Uncertainty	1 km
Cloud_Effective_Radius_PCL	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_PCL	1 km
Cloud_Effective_Radius_16	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_16	1 km
Cloud_Effective_Radius_16_PCL	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_16_PCL	1 km
Cloud_Effective_Radius_37	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_37	1 km
Cloud_Effective_Radius_37_PCL	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_37_PCL	1 km
Cloud_Effective_Radius_1621	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_1621	1 km
Cloud_Effective_Radius_1621_PCL	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_1621_PCL	1 km
Cloud_Effective_Radius_Uncertainty_16	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_Uncertainty_16	1 km
Cloud_Effective_Radius_Uncertainty_37	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_Uncertainty_37	1 km
Cloud_Effective_Radius_Uncertainty_1621	Short (5 km)	MOD06_L2	Cloud_Effective_Radius_Uncertainty_1621	1 km
Cloud_Water_Path	Short (5 km)	MOD06_L2	Cloud_Water_Path	1 km
Cloud_Water_Path_Uncertainty	Short (5 km)	MOD06_L2	Cloud_Water_Path_Uncertainty	1 km
Cloud_Water_Path_PCL	Short (5 km)	MOD06_L2	Cloud_Water_Path_PCL	1 km
Cloud_Water_Path_16	Short (5 km)	MOD06_L2	Cloud_Water_Path_16	1 km
Cloud_Water_Path_16_PCL	Short (5 km)	MOD06_L2	Cloud_Water_Path_16_PCL	1 km
Cloud_Water_Path_37	Short (5 km)	MOD06_L2	Cloud_Water_Path_37	1 km
Cloud_Water_Path_37_PCL	Short (5 km)	MOD06_L2	Cloud_Water_Path_37_PCL	1 km
Cloud_Water_Path_1621	Short (5 km)	MOD06_L2	Cloud_Water_Path_1621	1 km
Cloud_Water_Path_1621_PCL	Short (5 km)	MOD06_L2	Cloud_Water_Path_1621_PCL	1 km
Cloud_Water_Path_Uncertainty_16	Short (5 km)	MOD06_L2	Cloud_Water_Path_Uncertainty_16	1 km
Cloud_Water_Path_Uncertainty_37	Short (5 km)	MOD06_L2	Cloud_Water_Path_Uncertainty_37	1 km
Cloud_Water_Path_Uncertainty_1621	Short (5 km)	MOD06_L2	Cloud_Water_Path_Uncertainty_1621	1 km

Cloud_Phase_Optical_Properties	Short (5 km)	MOD06_L2	Cloud_Phase_Optical_Properties (1 byte)	1 km
Cloud_Quality_Assurance	Byte x 9 (5 km)	MOD06_L2	Quality_Assurance_1km (9 bytes)	1 km
Cirrus_Reflectance	Short (5 km)	MOD06_L2	Cirrus_Reflectance	1 km
Cloud_Top_Pressure	Short (5 km)	MOD06_L2	Cloud_Top_Pressure	5 km
Cloud_Top_Temperature	Short (5 km)	MOD06_L2	Cloud_Top_Temperature	5 km
Cloud_Top_Height	Short (5 km)	MOD06_L2	Cloud_Top_Height	5 km
Cloud_Height_Method	Byte (5 km)	MOD06_L2	Cloud_Height_Method	5 km
Cloud_Top_Pressure_1km	Short (5 km)	MOD06_L2	cloud_top_pressure_1km	1 km
Cloud_Top_Temperature_1km	Short (5 km)	MOD06_L2	cloud_top_temperature_1km	1 km
Cloud_Top_Height_1km	Short (5 km)	MOD06_L2	cloud_top_height_1km	1 km
Surface_Temperature_1km	Short (5 km)	MOD06_L2	surface_temperature_1km	1 km
OS_Top_Flag_1km	Byte (5 km)	MOD06_L2	os_top_flag_1km [note: this is an Overshooting Top UTLS cloud flag]	1 km
Infrared_obs_minus_calc	Short x 5 (5 km)	MOD06_L2	Spectral_Cloud_Forcing [note: radiance difference in W/m <sup>2</sup> /sr/μm]	5 km
Cloud_Mask_SPI	Short (5 km)	MOD06_L2	Cloud_Mask_SPI	1 km
Cloud_Multi_Layer_Flag	Byte (5 km)	MOD06_L2	Cloud_Multi_Layer_Flag	1 km
Cloud_Fraction	Byte (5 km)	MOD06_L2	Cloud_Fraction (1 byte)	5 km
Cloud_Phase_Infrared	Byte (5 km)	MOD06_L2	Cloud_Phase_Infrared (1 byte)	5 km
Cloud_Phase_Infrared_1km	Byte (5 km)	MOD06_L2	Cloud_Phase_Infrared_1km	1 km
Cloud_Mask	Byte x 1 (5 km)	MOD35_L2	Cloud_Mask (1st byte only)	1 km
Total_Ozone	Short (5 km)	MOD07_L2	Total_Ozone	5 km
Lifted_Index	Short (5 km)	MOD07_L2	Lifted_Index	5 km
K_Index	Short (5 km)	MOD07_L2	K_Index	5 km
Total_Totals_Index	Short (5 km)	MOD07_L2	Total_Totals	5 km
Latitude_10km	Short (10 km)	MOD04_L2	Latitude	10 km
Longitude_10km	Short (10 km)	MOD04_L2	Longitude	10 km
Solar_Zenith_10km	Short (10 km)	MOD04_L2	Solar_Zenith	10 km
Viewing_Zenith_10km	Short (10 km)	MOD04_L2	Sensor_Zenith	10 km
Relative_Azimuth_10km	Short (10 km)	MOD04_L2	Solar_Azimuth	10 km
		MOD04_L2	Sensor_Azimuth	10 km
Aerosol_Optical_Depth	Short (10 km)	MOD04_L2	Optical_Depth_Land_And_Ocean	10 km
Aerosol_Angstrom_Exponent_Ocean	Short (10 km)	MOD04_L2	Aerosol_Angstrom_Exponent_1_Ocean	10 km
Aerosol_Land_Sea_Flag	Short (10 km)	MOD04_L2	Land_sea_Flag	10 km
Aerosol_Cloud_Pixel_Distance_Land_Ocean	Short (10 km)	MOD04_L2	Average_Cloud_Pixel_Distance_Land_Ocean	10 km
Aerosol_Cloud_Fraction_Ocean	Short (10 km)	MOD04_L2	Aerosol_Cloud_Fraction_Ocean	10 km
Aerosol_Cloud_Fraction_Land	Short (10 km)	MOD04_L2	Aerosol_Cloud_Fraction_Land	10 km
Aerosol_Land_Ocean_Quality_Flag	Short (10 km)	MOD04_L2	Land_Ocean_Quality_Flag	10 km
AOD_550_Dark_Target_Deep_Blue_Combined	Short (10 km)	MOD04_L2	AOD_550_Dark_Target_Deep_Blue_Combined	10 km
AOD_550_Dark_Target_Deep_Blue_Combined_QA_Flag	Short (10 km)	MOD04_L2	AOD_550_Dark_Target_Deep_Blue_Combined_QA_Flag	10 km

AOD_550_Dark_Target_Deep_Blue_Combined_Algorithm_Flag	Short (10 km)	MOD04_L2	AOD_550_Dark_Target_Deep_Blue_Combined_Algorithm_Flag	10 km
Deep_Blue_Aerosol_Optical_Depth_550_Land	Short (10 km)	MOD04_L2	Deep_Blue_Aerosol_Optical_Depth_550_Land	10 km
Deep_Blue_Angstrom_Exponent_Land	Short (10 km)	MOD04_L2	Deep_Blue_Angstrom_Exponent_Land	10 km
Deep_Blue_Single_Scattering_Albedo_412_Land	Short x 1 (10 km)	MOD04_L2	Deep_Blue_Spectral_Single_Scattering_Albedo_Land (first wavelenth only)	10 km
Deep_Blue_Aerosol_Optical_Depth_550_Land_Best_Estimate	Short (10 km)	MOD04_L2	Deep_Blue_Aerosol_Optical_Depth_550_Land	10 km
Deep_Blue_Aerosol_Optical_Depth_550_Land_QA_Flag	Short (10 km)	MOD04_L2	Deep_Blue_Aerosol_Optical_Depth_550_Land	10 km
Deep_Blue_Aerosol_Optical_Depth_550_Land_Estimated_Uncertainty	Short (10 km)	MOD04_L2	Deep_Blue_Aerosol_Optical_Depth_550_Land	10 km
Aerosol_Quality_Assurance_Land	Byte x 6 (10 km)	MOD04_L2	same as C51	10 km
Aerosol_Quality_Assurance_Ocean	Byte x 5 (10 km)	MOD04_L2	same as C51	10 km

NOTE: green highlight refers to a new ATML2 SDS for Collection 6