DISCOVER-AQ Ground Remote Aerosol Parameters

Sensor	Measurement	Parameter	Unit	Description
UMBC Elastic LIDAR Facility (ELF) 532 nm	Aerosol Optical Properties	532nm Extinction	km-1	Aerosol extinction coefficient at 532 nm
UMBC Elastic LIDAR Facility (ELF) 532 nm	Aerosol Optical Properties	532nm Total Attenuated Backscatter	km-1 Sr-1	Aerosol attenuated back scattering coefficient at 532 nm
UMBC Elastic LIDAR Facility (ELF) 532 nm	Aerosol Optical Properties	Lidar AOD		Aerosol optical depth at 532 nm measured by ELF
UMBC Elastic LIDAR Facility (ELF) 532 nm	Derived	Lidar Ratio	Sr	ELF Lidar total extinction to backscatter ratio
UMBC Elastic LIDAR Facility (ELF) 532 nm	Aerosol Optical Properties	Mixing Height	km	Mixing height derived from 532 aerosol extinction gradient
UMBC Elastic LIDAR Facility (ELF) 532 nm	Aerosol Optical Properties	Range Above Surface	km	Lidar measurement height
UMBC LEOSPHERE ALS-450 (LEO) 355 nm	Aerosol Optical Properties	355nm Attenuated Backscatter		Aerosol attenuated back scattering coefficient at 335 nm
UMBC LEOSPHERE ALS-450 (LEO) 355 nm	Aerosol Optical Properties	Range Above Surface		Lidar measurement height