

Parameter	Long Name	Standard Name
ACLF_GIN	Acceleration along the aircraft longitudinal axis (GIN) (positive forward)	
ACLS_GIN	Acceleration along the aircraft transverse axis (GIN) (positive starboard)	
ACLU_GIN	Acceleration along the aircraft vertical axis (GIN) (positive down)	
ALT_GIN	Altitude from POS AV 510 GPS-aided Inertial Navigation unit	altitude
AOA	Angle of attack from the turbulence probe system (positive, flow upwards wrt a/c)	
AOSS	Angle of sideslip from the turbulence probe system (positive, flow from	
BSC_BLUU	Uncorrected blue back scattering coefficient from TSI 3563 nephelometer.	
BSC_GRNU	Uncorrected green back scattering coefficient from TSI 3563 nephelometer.	
BSC_REDU	Uncorrected red back scattering coefficient from TSI 3563 nephelometer.	
BTHEIM_C	Upwelling infrared brightness temperature from the Heimann radiometer.	brightness_temperature
BTHEIM_U	Uncorrected brightness temperature from the Heimann radiometer	brightness_temperature
CAB_PRES	Cabin pressure	
CAB_TEMP	Cabin temperature at the core consoles	
CO_AERO	Mole fraction of Carbon Monoxide in air from the AERO AL5002 instrument	
CPC_CONC	Total condensation particle concentration from TSI 3025A	
HDG_GIN	Heading from POSAV GPS-aided Inertial Navigation unit	platform_yaw_angle
HDGR_GIN	rate-of-change of GIN heading	platform_yaw_rate
HGT_RADR	Radar height from the aircraft radar altimeter.	
IAS_RVSM	Indicated air speed from the aircraft RVSM (air data) system.	
IR_DN_C	Corrected downward long wave irradiance.	downwelling_longwave_flux_in_air
IR_UP_C	Corrected upward long wave irradiance	upwelling_longwave_flux_in_air
LAT_GIN	Latitude from POS AV 510 GPS-aided Inertial Navigation unit	latitude
LON_GIN	Longitude from POS AV 510 GPS-aided Inertial Navigation unit	longitude
LWC_JW_U	Uncorrected liquid water content from the Johnson Williams instrument.	
NEPH_PR	Internal sample pressure of the Nephelometer	
NEPH_T	Internal sample temperature of the Nephelometer	
NO_TECO	Mole fraction of Nitrogen Monoxide (NO) in air from the TECO 42 instrument	mole_fraction_of_nitrogen_monoxide_in_air
NO2_TECO	Mole fraction of Nitrogen Dioxide (NO2) in air from the TECO 42 instrument	mole_fraction_of_nitrogen_dioxide_in_air
NOX_TECO	Mole fraction of NOx in air from the TECO 42 instrument	
NV_LWC_U	Uncorrected liquid water content from the Nevzorov probe	
NV_TCW_U	Uncorrected total condensed water content from the Nevzorov probe.	
O3_TECO	Mole fraction of ozone in air from the TECO 49 instrument	mole_fraction_of_ozone_in_air
P0-S10	Calibrated differential pressure between centre(P0) port and S10 static	
P9_STAT	Static pressure from S9 fuselage ports	
PA_TURB	Calibrated differential pressure between turbulence probe vertical ports	
PALT_RVS	Pressure altitude from the aircraft RVSM (air data) system	altitude
PB_TURB	Calibrated differential pressure between turbulence probe horizontal ports	
PITR_GIN	rate-of-change of GIN pitch angle	platform_pitch_rate
PS_RVSM	Static pressure from the aircraft RVSM (air data) system	air_pressure
PSAP_LIN	Uncorrected absorption coefficient at 565nm, linear, from PSAP.	
PSAP_LOG	Uncorrected absorption coefficient at 565nm, log, from PSAP.	
PSP_TURB	Pitot-static pressure from centre-port measurements corrected for AoA and AoSS	
PTCH_GIN	Pitch angle from POSAV GPS-aided Inertial Nav. unit (positive for nose up)	platform_pitch_angle
Q_RVSM	Pitot static pressure inverted from RVSM (air data) system indicated airspeed	
RED_DN_C	Corrected downward short wave irradiance, red dome	
RED_UP_C	Corrected upward short wave irradiance, red dome	
ROLL_GIN	Roll angle from POSAV GPS-aided Inertial Nav. unit (positive for left wing up)	platform_roll_angle
ROLR_GIN	rate-of-change of GIN roll angle	platform_roll_rate
SOL_AZIM	Solar azimuth derived from aircraft position and time.	
SOL_ZEN	Solar zenith derived from aircraft position and time.	
SW_DN_C	Corrected downward short wave irradiance, clear dome	downwelling_shortwave_flux_in_air
SW_UP_C	Corrected upward short wave irradiance, clear dome	upwelling_shortwave_flux_in_air
TAS	True airspeed (dry-air) from turbulence probe	
TAS_RVSM	True air speed from the aircraft RVSM (air data) system and deiced temperature.	platform_speed_wrt_air
TAT_DI_R	True air temperature from the Rosemount deiced temperature sensor.	air_temperature
TAT_ND_R	True air temperature from the Rosemount non-deiced temperature sensor.	air_temperature
TDEW_GE	Dew point from the General Eastern instrument.	dew_point_temperature
Time	time of measurement	time
TRCK_GIN	Aircraft track angle POSAV GPS-aided Inertial Navigation unit	
TSC_BLUU	Uncorrected blue total scattering coefficient from TSI 3563 nephelometer.	
TSC_GRNU	Uncorrected green total scattering coefficient from TSI 3563 nephelometer.	
TSC_REDU	Uncorrected red total scattering coefficient from TSI 3563 nephelometer.	
TWC_DET	Raw data from the TWC probe Lyman alpha detector	
TWC_EVAP	Total water specific humidity from the TWC avaporator instrument	
TWC_TDEW	Dew-point derived from TWC probe specific humidity (valid in cloud-free air)	dew_point_temperature
TWC_TSAM	Sample temperature in Kelvin from the TWC evaporator probe	
U_C	Eastward wind component from turbulence probe and GIN	eastward_wind
V_C	Northward wind component from turbulence probe and GIN	northward_wind
VELD_GIN	Aircraft velocity down from POS AV 510 GPS-aided Inertial Navigation unit	
VELE_GIN	Aircraft velocity east from POS AV 510 GPS-aided Inertial Navigation unit	
VELN_GIN	Aircraft velocity north from POS AV 510 GPS-aided Inertial Navigation unit	
W_C	Vertical wind component from turbulence probe and GIN	upward_air_velocity