

Header	Definition	Units
airport_icao	ICAO airport code	-
runway	Runway at which measurements are performed	-
latitude_measurement	Instrument location latitude	degrees
longitude_measurement	Instrument location longitude	degrees
icao24	24 bit ICAO transponder ID from aircraft, ground vehicles, support equipment, obtained via OpenSky	-
latitude_aircraft	Object latitude obtained via OpenSky	-
longitude_aircraft	Object longitude obtained via OpenSky	-
velocity	Object velocity obtained via OpenSky	meters per second
heading	Object heading obtained via OpenSky	degrees, zero degrees is north
callsign	Object callsign obtained via OpenSky	-
baro_altitude	Object barometric altitude obtained via OpenSky	meter
geo_altitude	Object geometric altitude obtained via OpenSky	meter
last_pos_update	Object age indication of position obtained via OpenSky	seconds
last_contact	Time at which OpenSky received last signal from object, obtained via OpenSky	seconds
distance_aircraft_to_sensor	Closest distance between aircraft and sensing location	meter
mode	Estimation based on aircraft movement whether it is a departure or arrival	-
temperature	Temperature extracted from METAR	degrees Celsius
humidity_relative	Relative humidity extracted from METAR	%
wind_direction	Wind direction extracted from METAR	degrees, zero degrees is north
wind_speed	Wind speed extracted from METAR	meters per second
metar	Full METAR message	-
crosswind	Crosswind speed, perpendicular to runway	meters per second
time_plume_arrival_estimated	Estimated plume arrival time based on aircraft track and wind conditions	date
time_aircraft_passby	Timestamp which indicates closest distance between aircraft and sensing equipment	date
p2_1_area	Plume area calculated using first Partector 2 measurements	particles seconds per cc
p2_1_width	Plume width calculated using first Partector 2 measurements	seconds
p2_1_peak_concentration	Plume peak concentration recorded by first Partector 2	particles per cc
p2_1_avg_diam	Plume average particle diameter recorded by first Partector 2	nanometers

Header	Definition	Unit
p2_2_area	Plume area calculated using second Partector 2 measurements	particles seconds per cc
p2_2_width	Plume width calculated using second Partector 2 measurements	seconds
p2_2_peak_concentration	Plume peak concentration recorded by second Partector 2	particles per cc
p2_2_avg_diam	Plume average particle diameter recorded by second Partector 2	nanometers
p2_pro_area	Plume area calculated using third Partector 2 measurements	particles seconds per cc
p2_pro_width	Plume width calculated using Partector 2 pro measurements	seconds
p2_pro_peak_concentration	Plume peak concentration recorded by the Partector 2 pro	particles per cc
p2_pro_avg_diam	Plume average particle diameter recorded by the Partector 2 pro	nanometers
p2_pro_avg_n10.00	Average number of particles in the 10 nm bin	particles
p2_pro_avg_n16.26	Average number of particles in the 16.26 nm bin	particles
p2_pro_avg_n26.43	Average number of particles in the 26.43 nm bin	particles
p2_pro_avg_n42.96	Average number of particles in the 42.96 nm bin	particles
p2_pro_avg_n69.83	Average number of particles in the 69.83 nm bin	particles
p2_pro_avg_n113.52	Average number of particles in the 113.52 nm bin	particles
p2_pro_avg_n184.55	Average number of particles in the 184.55 nm bin	particles
p2_pro_avg_n300.00	Average number of particles in the 300 nm bin	particles
tsi_cpc_area	Plume area calculated using TSI Condensation Particle Counter measurements	particles seconds per cc
tsi_cpc_width	Plume width calculated using TSI Condensation Particle Counter measurements	seconds
tsi_cpc_peak_concentration	Plume peak concentration recorded by TSI Condensation Particle Counter	particles per cc
registration	Aircraft registration obtained via opensky metadata	-
manufacturericao	Aircraft registration obtained via opensky metadata	-
manufacturername	Aircraft registration obtained via opensky metadata	-
model	Aircraft model obtained via opensky metadata	-
typecode	Aircraft typecode obtained via opensky metadata	-

Header	Definition	Unit
operator	Aircraft operator obtained via opensky metadata	-
operatorcallsign	Aircraft operator callsign obtained via opensky metadata	-
operatoricao	Aircraft operator callsign in ICAO format obtained via OpenSky metadata	-
owner	Aircraft owner obtained via OpenSky metadata	-
engine_assumed	Combining engine-indication from OpenSky, Dutch ILT and manual search	-
uid_no	Unique Identification Number for the EASA EEDB entry	-
MTOW_kg	Aircraft maximum take-off weight	kilogram
ICAO_cat	Aircraft ICAO weight category	-
FAA_cat	Aircraft FAA weight category	-
nr_of_engines	Aircraft number of engines mounted	-