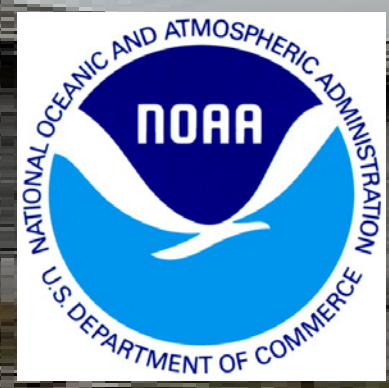


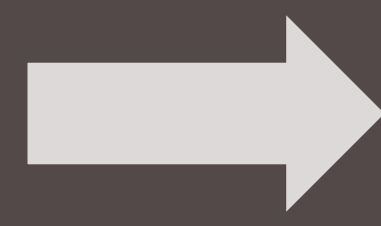
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Datagrams: Tiksi maap



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10.31.112.109

Location: Clean Air Facility Central Room
 File name: MAAP087_YYYY-MM-DD.csv
 File location in Tiksi:

Date time YYYY-MM-DD HH-MM-SS	Black carbon (BC) avg. concentration (ug/m ³)	Mass of BC on filter (ug)	Last measured value (ug/m ³)	Room temperature (°C)	Measuring head temperature (°C)	System temperature (°C)	Orifice pressure (hPa)	Pump pressure (hPa)	Barometric (atmospheric) pressure (hPa)	Photo sensor detector reference	Photo detector transmittance (at angle 0°)	Photo detector reflectance (at angle 135°)	Photo detector reflectance (at angle 165°)	Air flowrate at operating conditions (l/h)	Air flowrate at standard condition (l/h)	Volume starting from last measurement (m ³)	Device status (0=normal)
2013-07-08 00:00:12	-0.01	2.56	0.00	24.99	28.97	31.30	5.87	30.46	1001.10	2053.01	2677.07	2588.14	2829.03	349.72	316.64	42.86	0000 0000 0000 0000 000000
2013-07-08 00:01:13	-0.03	2.56	0.00	24.99	28.97	31.28	5.89	30.54	1001.09	2053.01	2677.06	2588.23	2829.07	349.88	317.00	42.87	0000 0000 0000 0000 000000
2013-07-08 00:02:13	-0.01	2.56	0.00	24.99	28.97	31.31	5.77	30.46	1001.06	2053.01	2677.05	2588.17	2829.06	350.03	316.96	42.88	0000 0000 0000 0000 000000

Data Diagnostics Logger Info

Instrument:

MAAP (Multiple-Angle Absorption
 Photometer), Thermo Inc., model 5012



Tiksi Data
Center

NOAA

Processing

Quicklooks

FTP File locations at NOAA:
 From Tiksi Data Center to:
[/home/aari/Aerosol/MAAP/Incoming/](#)
 then transferred to:
[/archive/arctic/tiksi/aerosol/maap/raw/YYYY/](#)

Modify Data Format:
 1. Include header
 information
 2. Include Day-Fraction
 (time)
 3. Standardize file
 naming convention

Ingest

Example Plots:

Folder Name	File Name	FTP Location
Raw	MAAP087_YYYY-MM-DD.csv	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/maap/raw/
Ingest		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/maap/ingest/
Products		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/maap/products/
Quicklooks		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/maap/quicklooks/
Example:		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/maap/products/

Standardized Data Format:
 Definitions:
 sss - site identifier (e.g., tik)
 inst - base instrument abbreviation
 Fn - facility abbreviation (e.g., caf[0:1],
 cow[0:1], twr[0:1])
 data qualifier – daily or monthly
 data processing level - raw=c1,
 ingest=c2, products=c3

Product

Example Product File:

IASOA Portal

Home:
<http://www.esrl.noaa.gov/psd/iasoa/>
Data:
<http://www.esrl.noaa.gov/psd/iasoa/dataataglance>