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Datagrams:
Tiksi dmps-long

10.31.112.109

Location: Clean Air Facility Central Room
File name: LongiTiksiYYYYMMDD.dat
File location in Tiksi:

Row 1

CPCMaxWaitAtStart (s)	DMALength (m)	Outer electrode Radius (m)	Inner electrode Radius (m)	HVZero (V)	HVSpan (V)	CPCType	CPCTD	Wait Time For Flow Change (s)	Default Temp. (K)	Temp Weight	Temp Reject Limit (K)	Default Pressure (Pa)	Press Weight	Press Reject Limit (Pa)	Sheath flow (lpm)	Excess flow (lpm)	Aerosol Flow (lpm)	CPC Flow (lpm)	Min Aerosol Diameter (nm)	Max Aerosol Diameter (nm)	CPC Flow Correction	Number Of Channels	Wait Time (s)	Measured Time (s)	Added zeros	ADC_Aux In
10	0.28	0.033	0.025	3	12500	3772	45,22,40	0	293	.2	4	99000	.2	5000	6	6	1.0	1.0	15	800	1.000	30	8	10	0…	ADC_Aux In

Row

Date YYYYMMDD	Time HHMMSS	CPC Status1	deltaT CPC	CPC Status 2	CPC Status 3	Temp	Press	RH	Sheath flow	temp2	press2	diameter 1 (nm)	set voltage 1 (V)	measured voltage 1 (V)	measured current1	conc1 (l/cm3)	diameter 2 (nm)	Set voltage 2 (V)	measured voltage 2 (V)	measured current 2	conc2 (l/cm3)	…	conclast (l/cm3)	aerosol flow rate (lpm)
20130101	000500	1	23.0	1	1	297.0	102605	0.7	6.00	297.2	102605	15.0	17	17.500	-0.050	0.174	17.2	22	20.000	0.000	0.234	…	0.036	1.22

Data | Diagnostics | Logger Info

Instrument:

FMI Differential mobility particle sizer (dmps),
Size ranges: 3-90nm, 15-800 nm

Each dmps is paired with a cpc

Tiksi Data Center

NOAA

FTP File locations at NOAA:
From Tiksi Data Center to:
/home/aari/Aerosol/DMPS-Long/Incoming//
then transferred to:
/storage/actic/tiksi/aerosol/dmps-long/raw/YYYY/

Processing

Quicklooks

Example Plots:

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

Ingest

Folder Name	File Name	FTP Location
Raw	LongTiksiYYYYMMDD.dat	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmps-long/raw/
Ingest		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmps-long/ingest/
Products		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmps-long/products/
Quicklooks		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmps-long/quicklooks/
Example:		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmps-long/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

Official Data Submission to an Archive | Data Cable | rsync | NOAA server