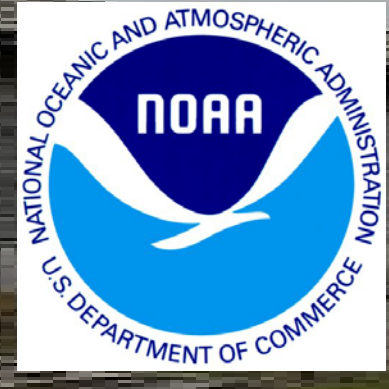


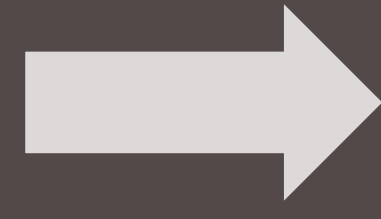
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# Datagrams: Tiksi dmeps-short



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10.31.112.109

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

Row 1																										
CPCMaxWait AtStart (s)	DMA Length (m)	Outer electrode Radius (m)	Inner electrode Radius (m)	HV Zero (V)	HV Span (V)	CPC Type	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_AuxIn
10	0.109	0.033	0.025	0.4	2000	3772	45,22,40	0	293	.2	4	99000	.2	5000	6	6	1.0	1.0	7	115	1.000	20	9	18	0...	ADC_AuxIn
Row 2																										
Date	Time	CPC Status1	deltaT CPC	CPC Status2	CPC Status3	Temp	Press	RH	Sheath flow	temp2	press2	diameter 1 (nm)	set voltage 1 (V)	measured voltage1 (V)	meascurrent 1	conc1 (l/cm3)	diameter 2 (nm)	set voltage 2 (V)	measured voltage2 (V)	measurement 2	conc2 (l/cm3)	...	conclast (l/cm3)	aerosol flow rate (lpm)		
20130101	000500	1	23.0	1	1	298.9	102563	-0.1	6.30	299.0	102563	7.0	10	5.200	-6.000	0.007	8.1	13	8.400	-5.700	0.003	...	2.327	0.72		

Data    Diagnostics    Logger Info

### Instrument:

FMI Differential mobility particle sizer (dmeps), 3-90 nm



Each dmeps is paired with a cpc

Tiksi Data Center

NOAA

Processing

Quicklooks

**FTP File locations at NOAA:**  
 From Tiksi Data Center to:  
<ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmeps-short/ingest/>  
 then transferred to:  
<ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmeps-short/raw/YYYY/>

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	ShortTiksiYYYYMMDD.dat	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmeps-short/raw/
Ingest		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmeps-short/ingest/
Products		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmeps-short/products/
Quicklooks		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmeps-short/quicklooks/
Example:		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/dmeps-short/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>