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Datagrams:

# Tiksi Condensation Particle Counter



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10.31.112.109

Location: Clean Air Facility Central Room  
 File name: CHyymmdd.DAL and CHyymmdd.DA1  
 File location in Tiksi:

CHyymmdd.DAL															CHyymmdd.DA1					
Hour of Day 0-24	CPC model	Status of instrument (1=ok)	Status of liquid level (1=ok)	Status of flowrate (1=ok)	Condensator temp. (°C)	Saturator temp. (°C)	Optics temp. (°C)	Cabinet temp. (°C)	Actual flowrate (cm <sup>3</sup> /min)	Flowrate setting value (lpm)	Ambient pressure (kPa)	Orifice pressure (kPa)	Nozzle pressure (kPa)	Laser current (A)	Optics temp. (°C)	Hour of Day 0-24	Min. concentration (cm <sup>3</sup> )	Avg. concentration (cm <sup>3</sup> )	Max. concentration (cm <sup>3</sup> )	Laser current (A)
.0019	3776	1	1	1	21	40	41	40.2	1000	1	101.5	58.5	2.642	0.001	41	.0028	64.10	70.71	77.70	0.002
.0050	3776	1	1	1	21	40	41	40.2	1000	1	101.5	58.5	2.636	0.001	41	.0059	57.50	60.50	64.10	0.002
.0082	3776	1	1	1	21	40	41	40.2	1000	1	101.5	58.6	2.636	0.001	41	.0091	52.30	55.06	61.10	0.002

### Instrument:

TSI Condensation Particle Counter (cpc) 3772



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

Ingest

Tiksi Data Center

NOAA

Processing

Quicklooks

#### FTP File locations at NOAA:

From Tiksi Data Center to:  
[/home/arl/Aerosol/CPC/Incoming/](#)  
 then transferred to:  
[/storage/arlctic/tiksi/aerosol/cpc/raw/YYYY/](#)

Example Plots:

Folder Name	File Name	FTP Location
Raw	CHyymmdd.DAL, CHyymmdd.DA1	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/cpc/raw/YYYY/
Ingest		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/cpc/ingest/YYYY/
Products		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/cpc/products/YYYY/
Quicklooks		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/cpc/quicklooks/YYYY/
Example:		ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/cpc/products/YYYY/

#### 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>