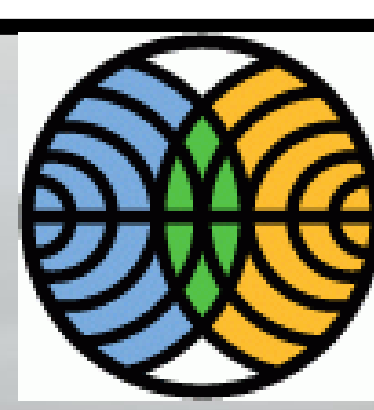
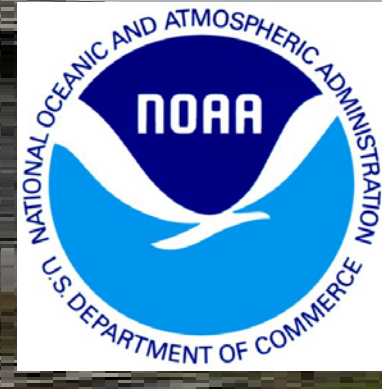


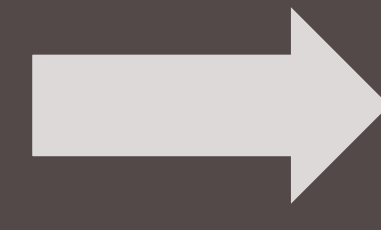
NOAA Contacts
 Project Lead: Taneil Uttal
 taneil.uttal@noaa.gov
 Engineer: Robert Albee
 rob.albee@noaa.gov
 Logistics: Matt Okraszewski
 matt.okraszewski@noaa.gov
 Data Manager: Sara Crepinsek
 sara.crepinsek@noaa.gov



Datagrams: Tiksi dmps-long



Roshydromet Contacts
 Project Lead: Alexander Makshtas
 maksh@aari.ru
 Engineer: Vasilii Kustov
 kustov@aari.ru
 Logistics: Dmitry Apartsev
 da@aari.ru
 Data Manager: Tatiana Afanasyeva
 tiksi_center@aari.ru



10.31.112.109

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

Row 1																										
CPCMaxWait AtStart (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		

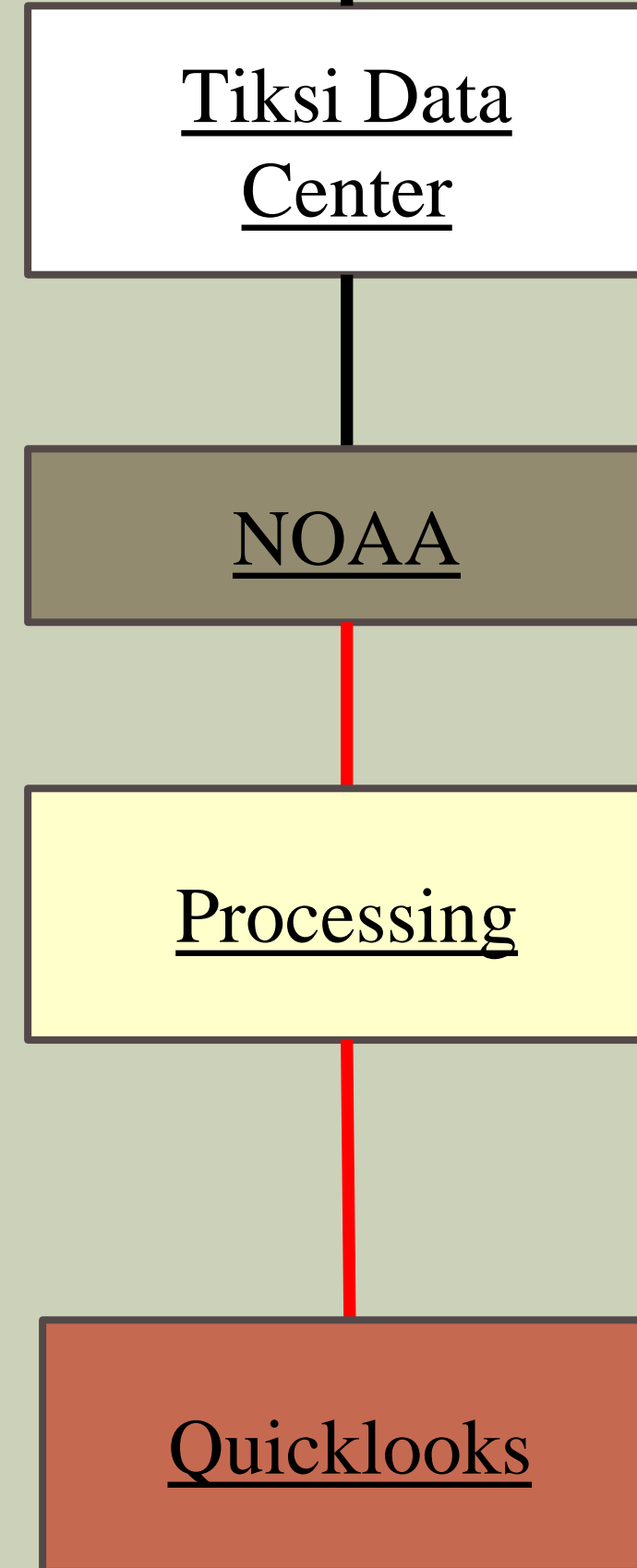
Data Diagnostics Logger Info

Instrument:

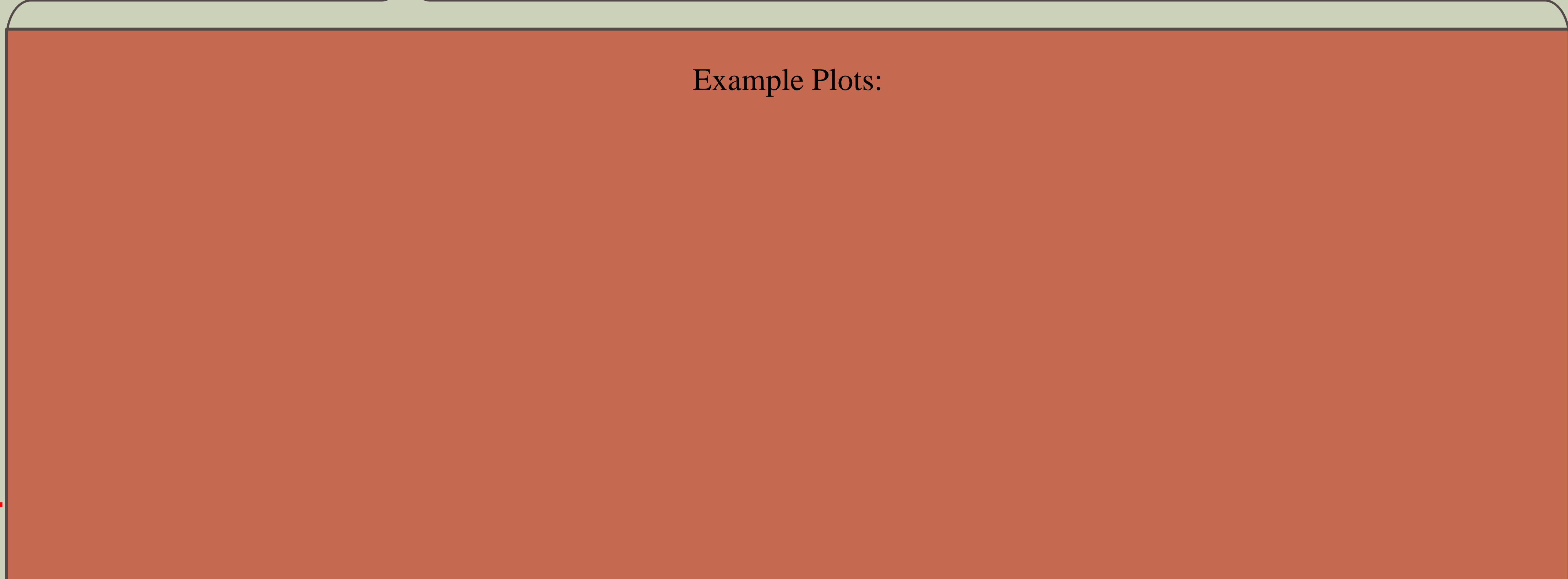
FMI Differential mobility particle sizer (dmps),
 Size ranges: 3-90nm, 15-800 nm



Each dmps is paired with a cpc



FTP File locations at NOAA:
 From Tiksi Data Center to:
[/home/arti/Aerosol/DMPS-Long/Decomng/](#)
 then transferred to:
[/storage/psd3/tiksi/aerosol/dmps-long/raw/YYYY/](#)



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

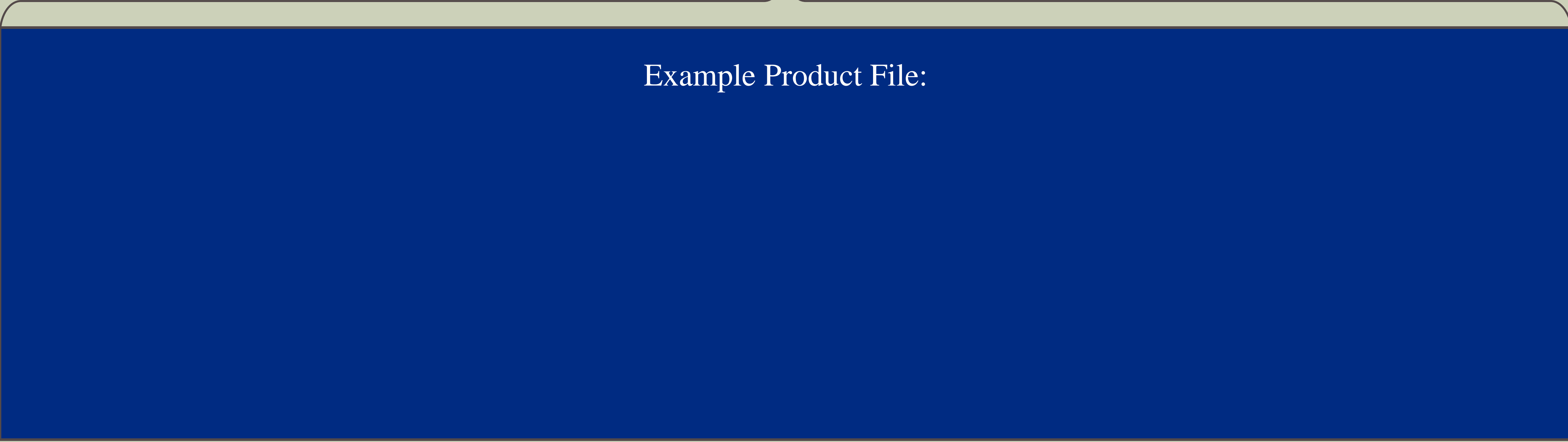
Ingest

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>