

NOAA Contacts

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Datagrams:

Tiksi Aethalometer – ae31



Roshydromet Contacts

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Location: Clean Air Facility Central Room  
 File name: ae31\_YYYY-MM-DD.csv (as of 02/11/14)  
 File location in Tiksi: C:\AE\_data\

Date	Time [UTC]	UV	Blue	Green	Yellow	Red	IR1 ('BC')	IR2
4-Jul-12	0:00	-9.3	-3.5	-20	-20.3	14.1	-14.3	-31
4-Jul-12	0:05	10.5	-0.2	-25.7	-26.6	-83	-12.4	-1.1
4-Jul-12	0:10	-3.9	27.2	48	59	28.9	-1.2	-9.6
4-Jul-12	0:15	-20.6	-35	-14.4	-44	0.8	28.7	106

Data    Diagnostics    Logger Info

**Instrument:**

Magee Scientific Aethalometer ae31



Tiksi Data Center

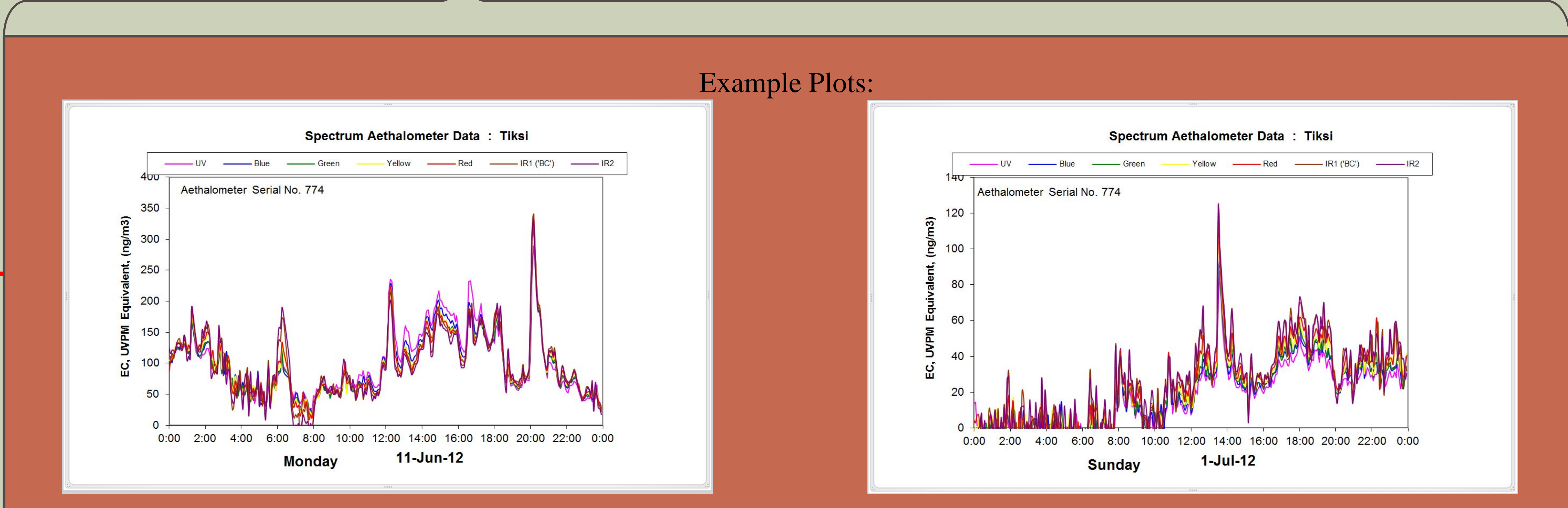
NOAA

Processing

Quicklooks

**FTP File locations at NOAA:**  
 From Tiksi Data Center to:  
[ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/aethalometer/ingest/](#)  
 Then transferred to:  
[ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/aethalometer/raw/YYYY/](#)

**Calculations:**  
 Raw data files are pasted into an Excel spreadsheet where an Aethalometer template has been created to apply smoothing parameters to the data.



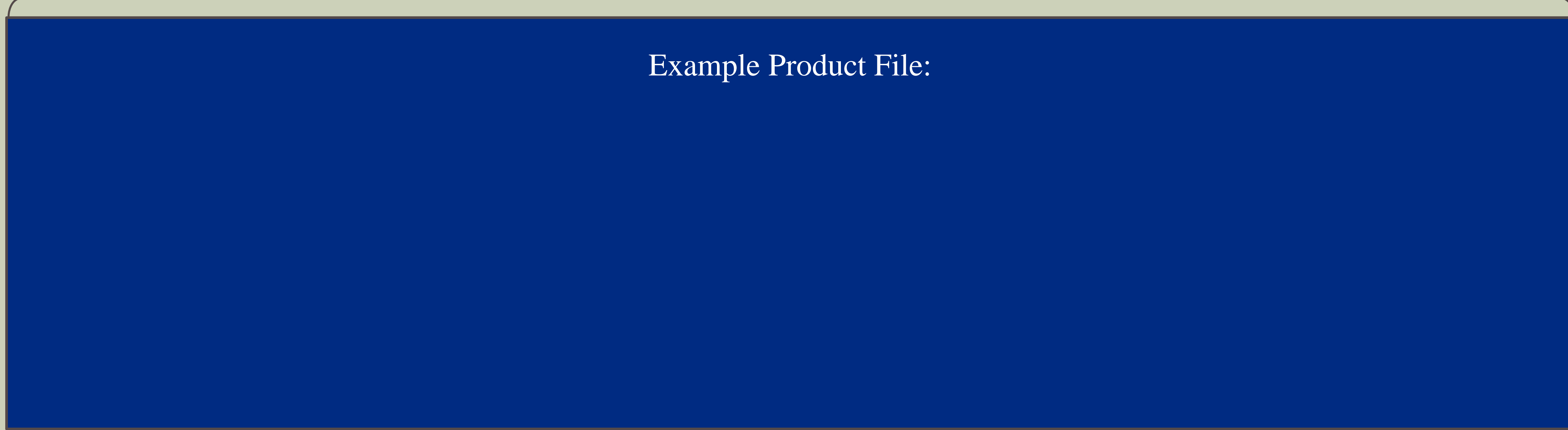
**Modify Data Format:**  
 1. Include header information  
 2. Include Day-Fraction (time)  
 3. Standardize file naming convention

Ingest

Folder Name	File Name	FTP Location
Raw	ae31_YYYY-MM-DD.csv	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/aethalometer/raw/YYYY/
Ingest	tik.ae31.daily.caf0.c2.YYYYMMDD.txt	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/aethalometer/ingest/YYYY/
Products	tik.ae31.daily.caf0.c3.YYYYMMDD.txt	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/aethalometer/products/YYYY/
Quicklooks	tik.ae31.daily.caf0.c2.YYYYMMDD.jpg	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/aethalometer/quicklooks/YYYY/
Example:	tik.ae31.daily.caf0.c2.20120327.txt	ftp://ftp.etl.noaa.gov/psd3/arctic/tiksi/aerosol/aethalometer/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>