

Mobile Aerosol Observing System Startup for LASIC

3 Mentors, 2 Mentors + Support

Particle Counting

u CPC (> 2.5 nm)

CPC (> 10 nm)

Size Distributions

UHSAS

SMPS

SP2*

Optical Absorbance

PSAP

Aethalometer

SP2*

Growth and Cloud Propensity

HTDMA

Dual Nephelometer/f(RH)*

CCN-200

Aerosol Composition

Q-ACSM

Trace Gases

PTRMS

CO/N₂O/H₂O

O₃

SO₂

NO/NO₂/NO_y

Meteorology

Challenges:

Post GoAmazon

1-week @ BNL

No full up testing

Reconfigure/clean inlet

Remote

Generator

2-Day each way

Limited coms

Supplies (2-4 week)

Atmosphere

Clean, S/N limited

[CO] < 65 ppbv

[SO₂] < MQL

[O₃] < 25 ppbv

[NO], [NO_y] < 0.5 ppbv

PSAP < ~0.5 Mm⁻¹



Measurement: N2O_CO

Instrument: Los Gatos N2O/CO-23d

Current Mode: Sample Mode

PC Number:

Data File: C:\data\LGR\201605\asimaoscm1.co.01s.00.20160505.020000.raw.tsv

File started: 2016-05-05 02:00:01

Config. File: C:\Program Files\instrument software\N2O_CO\N2O_CO config.ini

Disk free space (MB): 469762



STOP

Status

VI Specs: C:\Program Files\instrument software\N2O_CO

VI Date: 2016-05-04 21:12:27

VI Version: AMF3 1.4.5

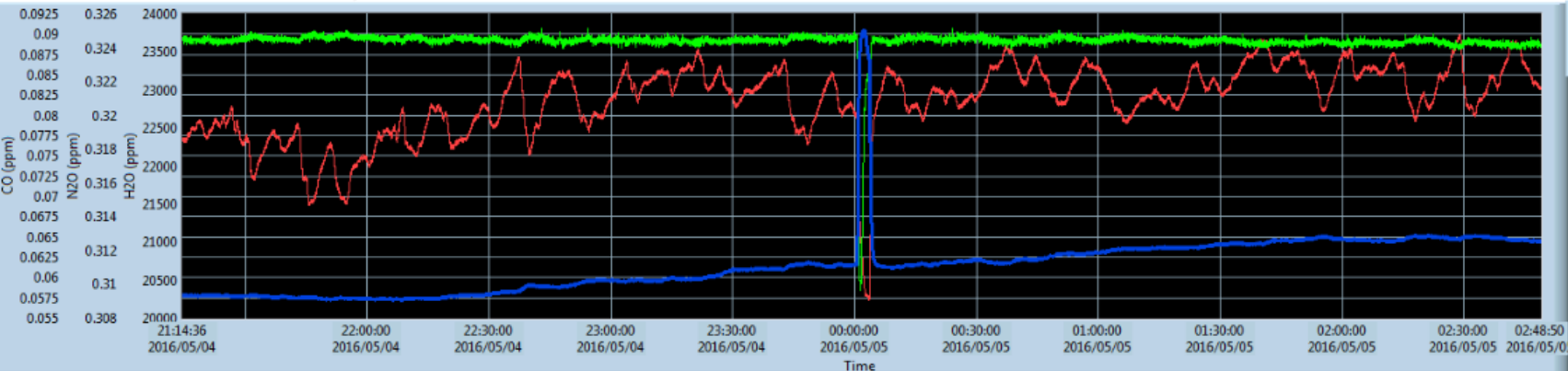
VI restart time: 2016-05-04 21:14:33

Reboot time: 2016-04-27 16:04:39

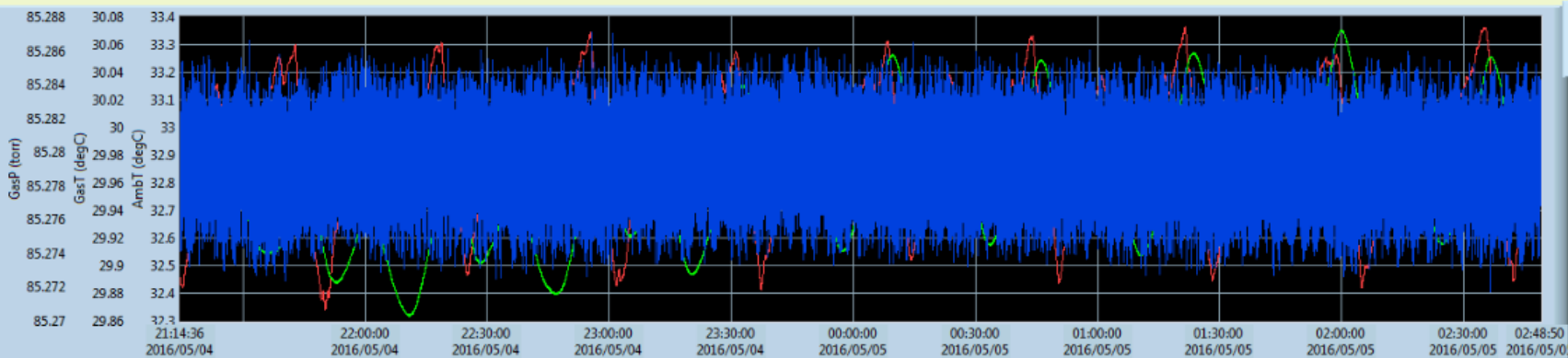
Current time: 2016-05-05 02:48:51.221

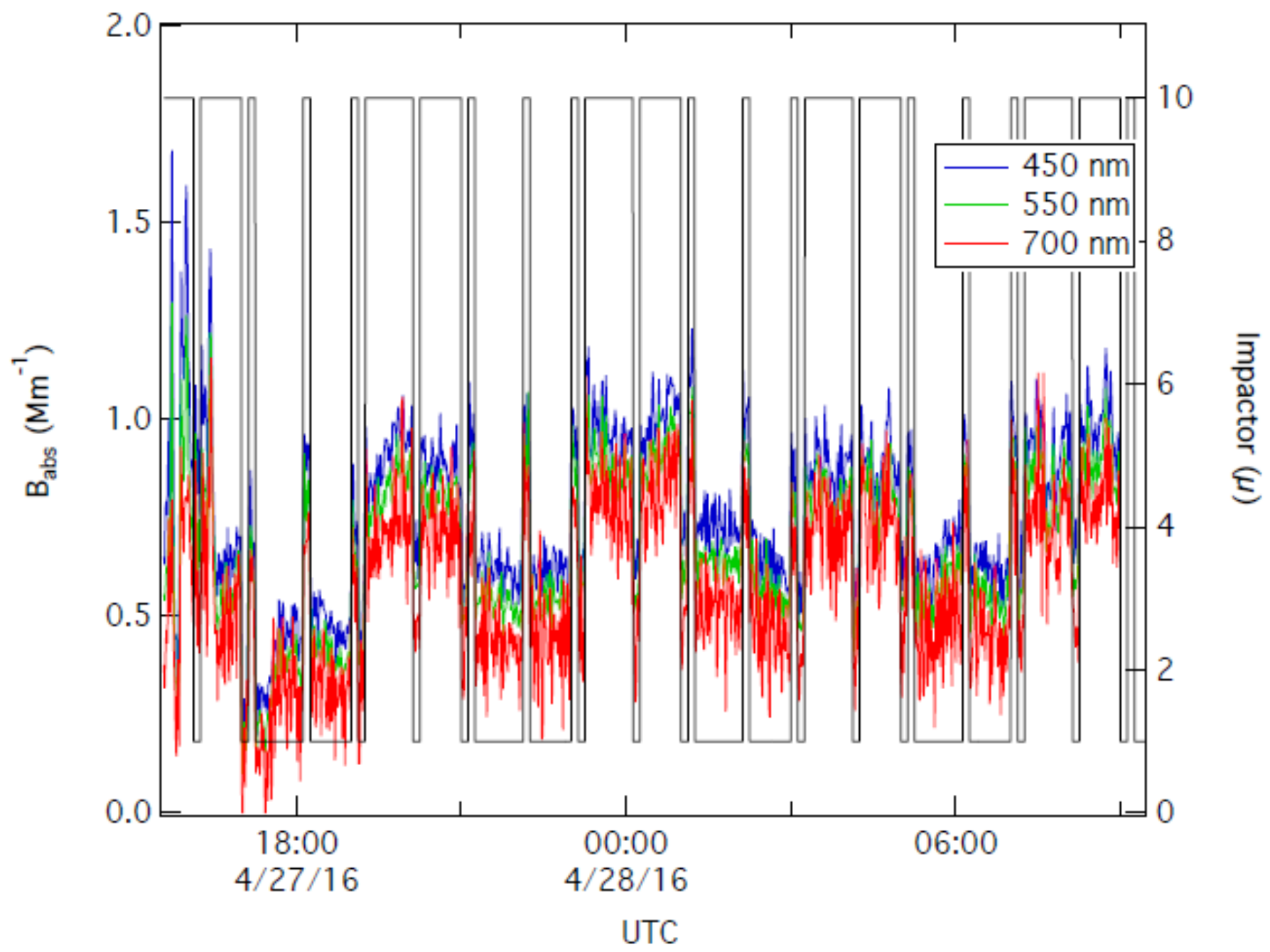
Platform: co

Instrument code: asimaoscm1



ts Instrument Data Flow control Parameter Limits Configuration File Error







ATE RESEARCH FACILITY



File started: 2016-05-05 02:00:01

Config. File: C:\Program Files\instrument software\Dry Nephelometer\

Disk free space (MB): 134062

Platform: asimaosam1

Instrument code: dryneph

STOP

Scattering

Incoming Data

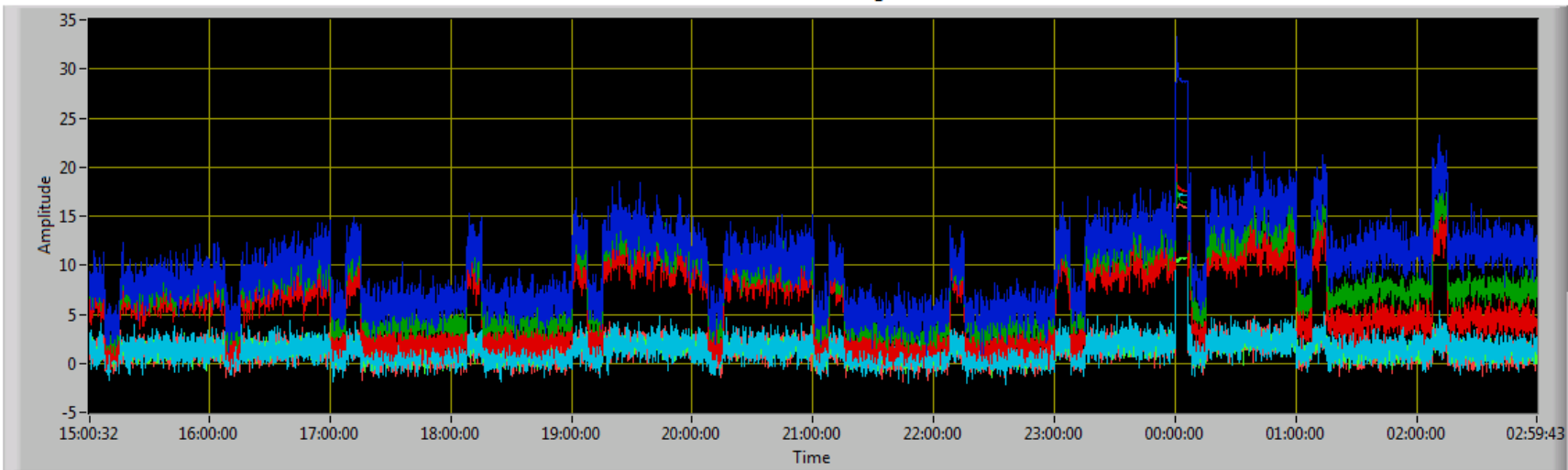
Alert

X-axis

- 1 Hr.
- 3 Hr.
- 6 Hr.
- 12 Hr.



- B_TS
- G_TS
- R_TS
- B_BS
- G_BS
- R_BS



Status Plots | Instrument Data | Instrument Command | Configuration | Parameter Limits | All Outputs | Error

Sample Temperature | Relative Humidity | Pressure

