

Processing Record for this file:
(Make notes here unique for this file)

Loading 4/16 - 5/1/2014

Data loaded from detarred, unzipped files from the DMF

To reduce Operator need for frequent filter changes, dilution turned on @ 14-02-21 21:12. Every 24-h, the dilution is turned off for 5 minutes. This was not long enough to get an undiluted sample.

As always, data not reported for T(blue) < 0.7

Impactor in place. HOWEVER, signal wired backwards until 2014-06-19 20:00. The 10 and 1 in the primary data files (on the master\impactor) are reversed. As confirmation, the flow signal decreases slightly when the impactor is in the 1-um state. The data polarity problem was corrected in software (leading to the correct polarity signal being recorded) on 2014-06-19 20:00:28. For this month, the problem was corrected here in the Mentor QA/QC'd data files using:

```
root:psap_out:impactor = root:inputfolder:wave11==10 ? 1 : (root:inputfolder:wave11==1 ? 10 :  
root:inputfolder:wave11)
```

and the following notation put in Comment 1: DQR D140703.2 Impactor polarity reversed in raw file until 2014-06-19 20:00:28. Corrected here.

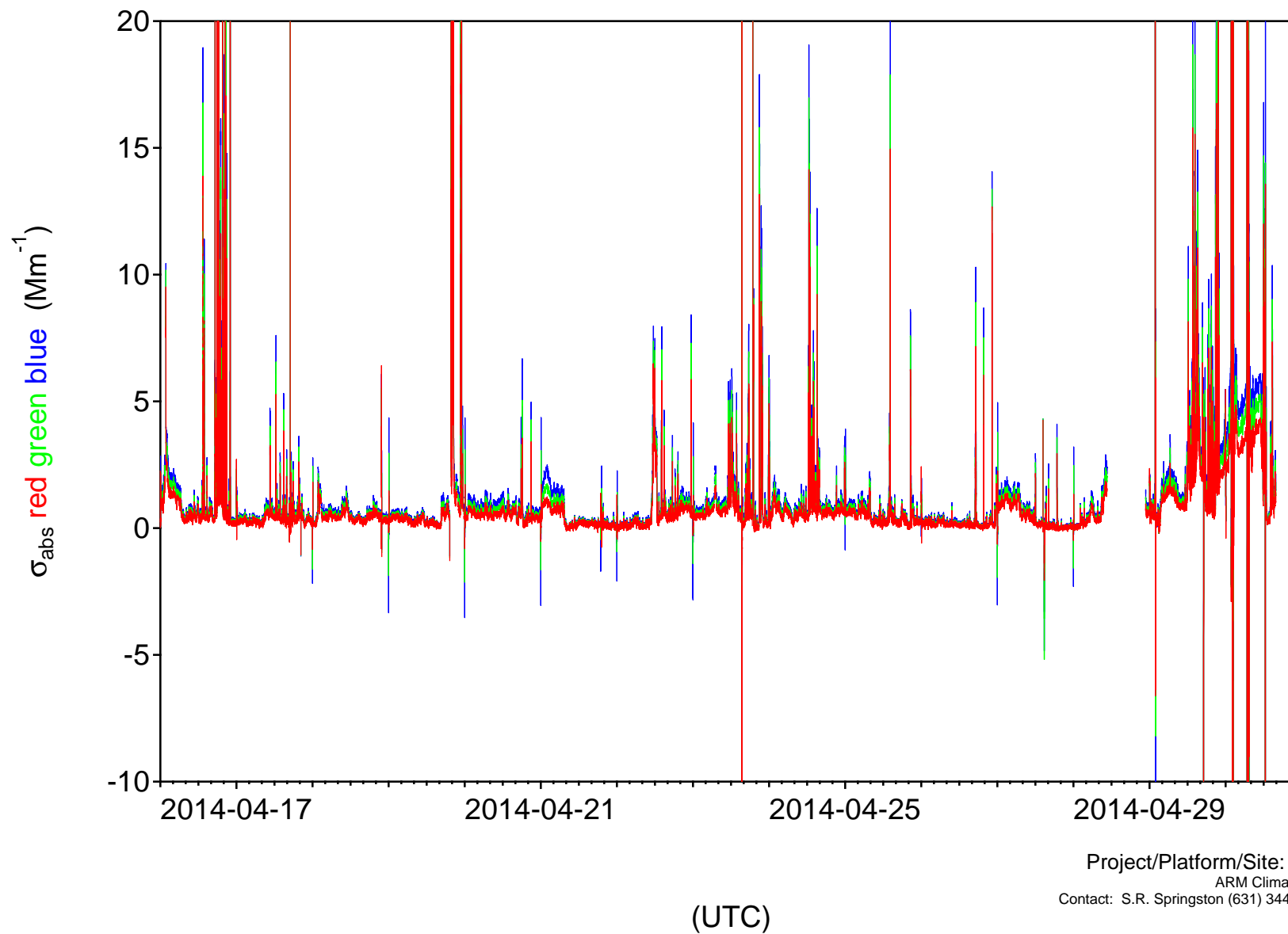
2014-04-29 02:32:48, 2014-05-02 21:27 DQR D141017.15 The 'Master' computer went into a state of constant reboot. This disrupted the impactor control. It is unclear what state the impactor was in during this period.

Some evidence of supermicron particles. A number of local events resulting in high absorbance. These were not edited.

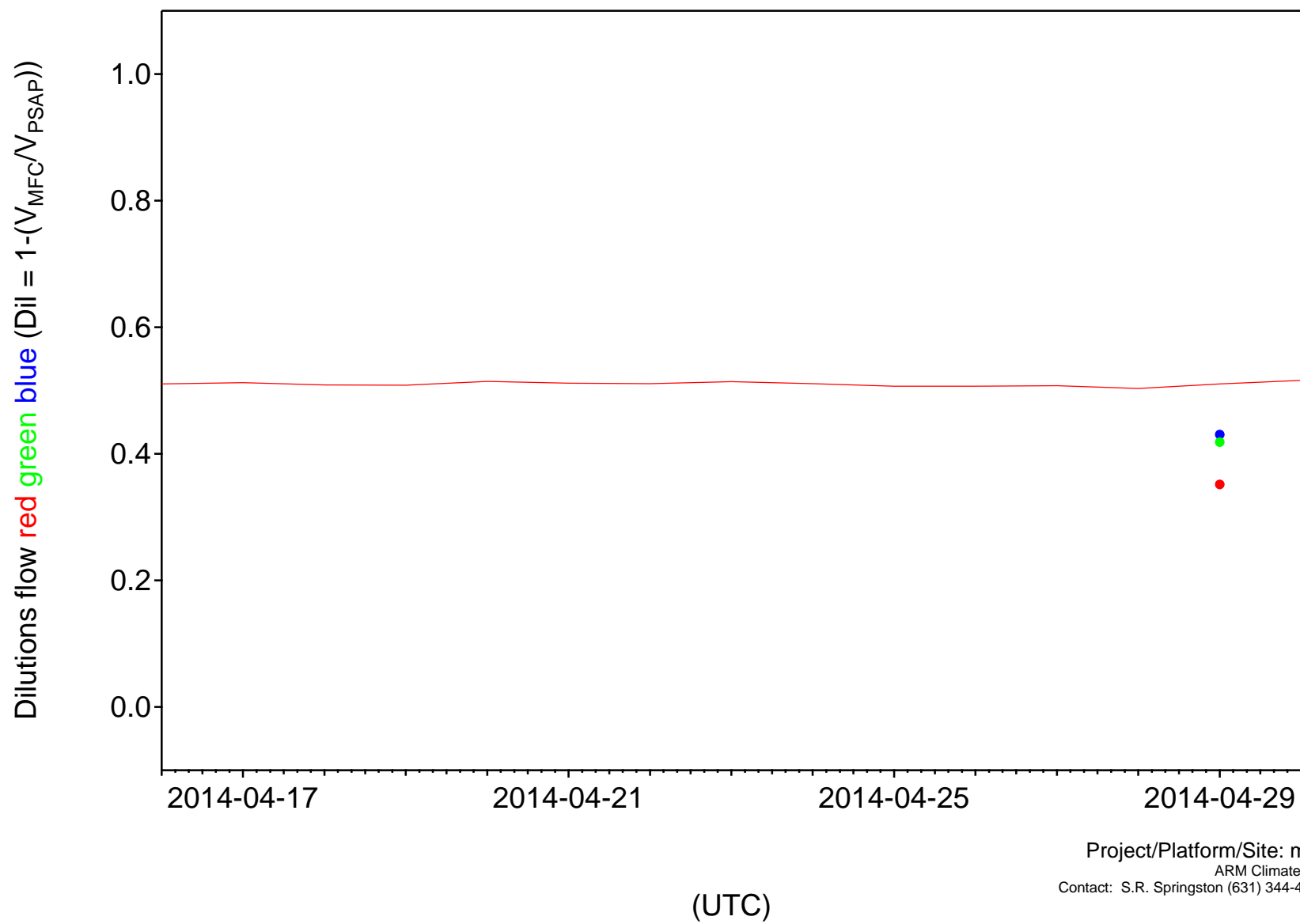
DQR D141217.2 (data gaps > 1h)

2014-04-19 20:10:39, 2014-04-19 21:44:52
2014-04-26 22:02:14, 2014-04-27 11:55:46
2014-04-28 10:38:05, 2014-04-28 22:46:49
2014-04-30 01:43:52, 2014-04-30 12:33:46
2014-04-30 15:50:39, 2014-04-30 23:59:59

Radiance Research PSAP
Data w/o dilution factor

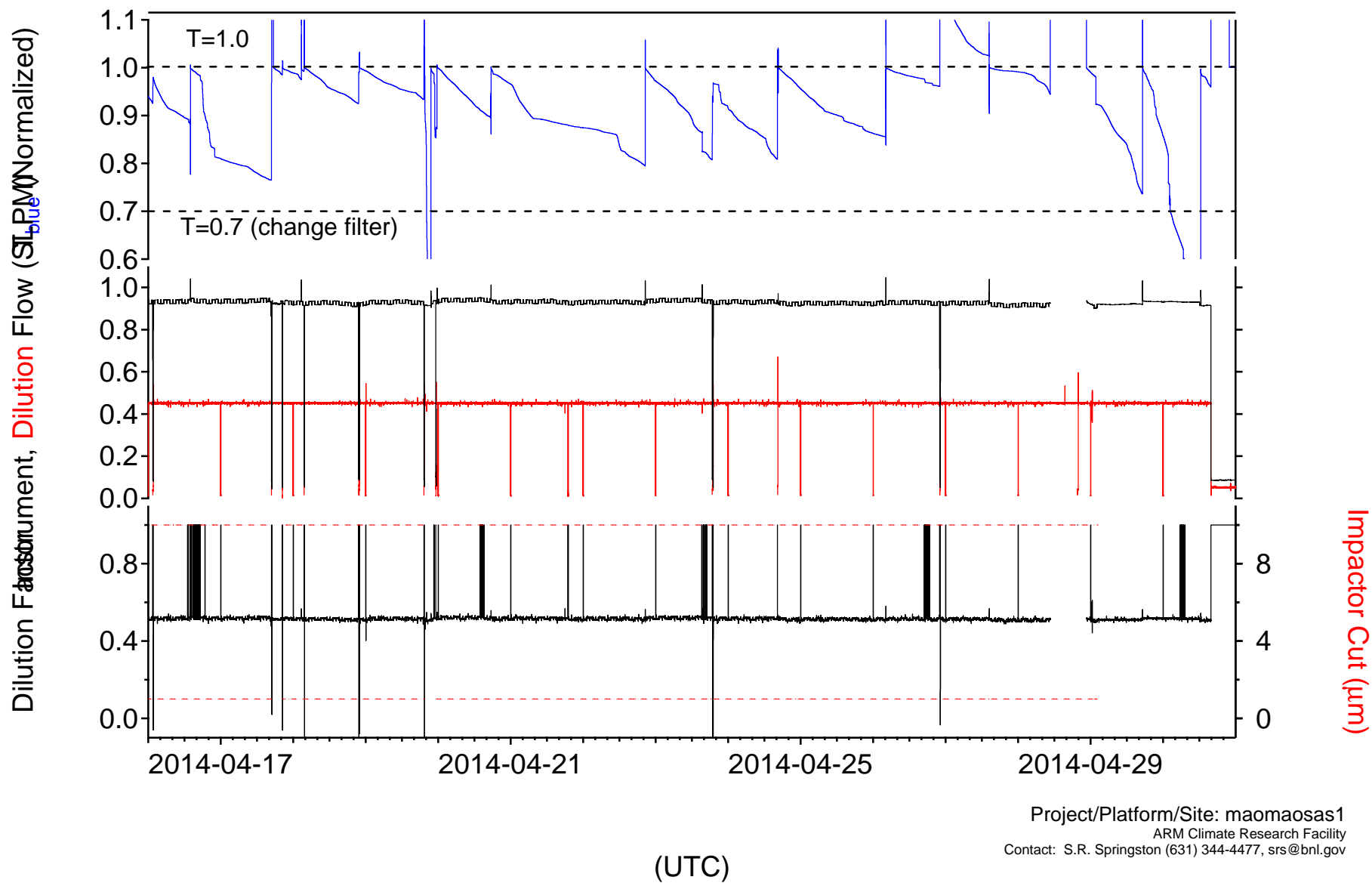


Radiance Research PSAP

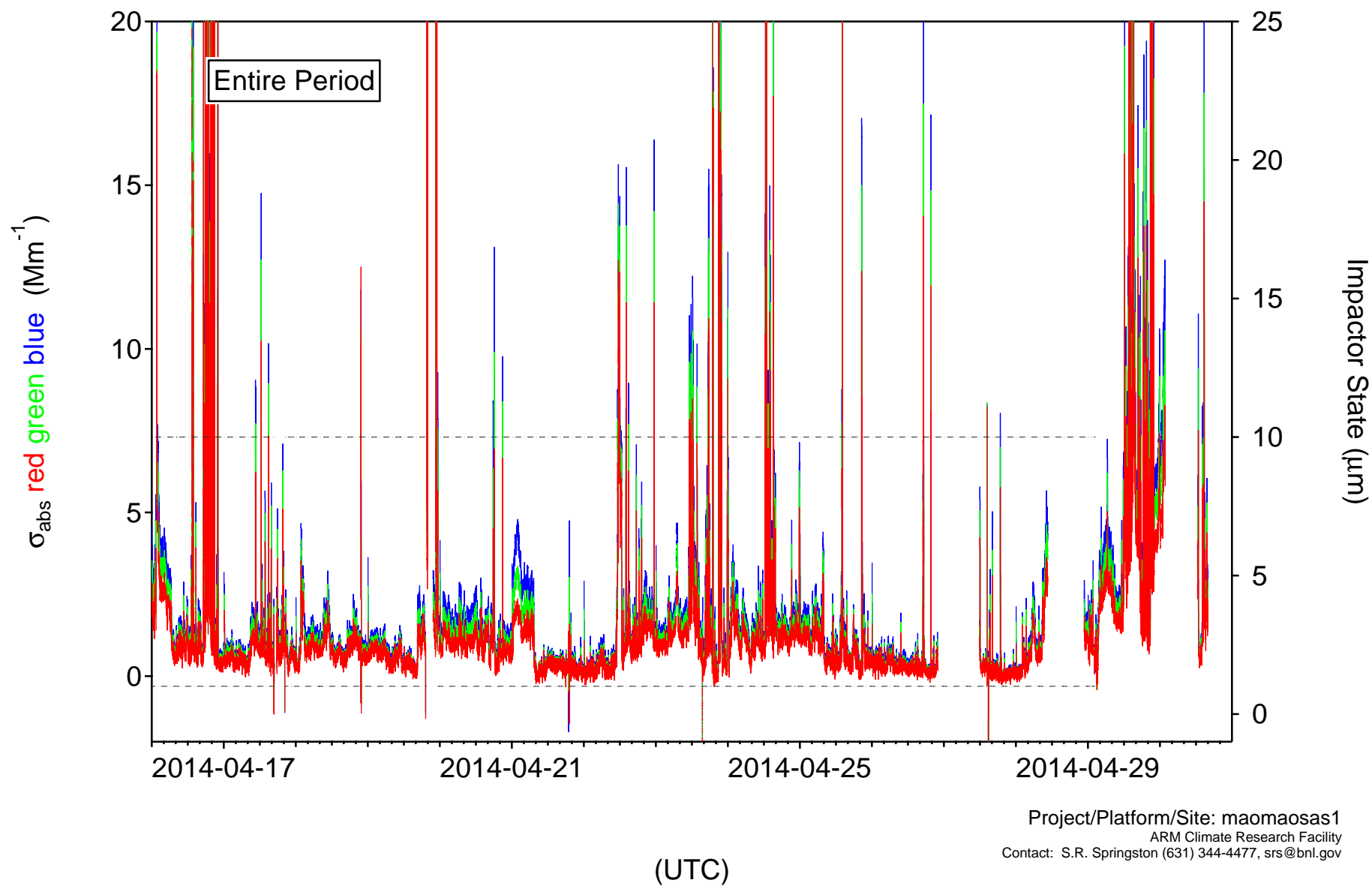


Project/Platform/Site: maomaosas1
ARM Climate Research Facility
Contact: S.R. Springston (631) 344-4477, srs@bnl.gov

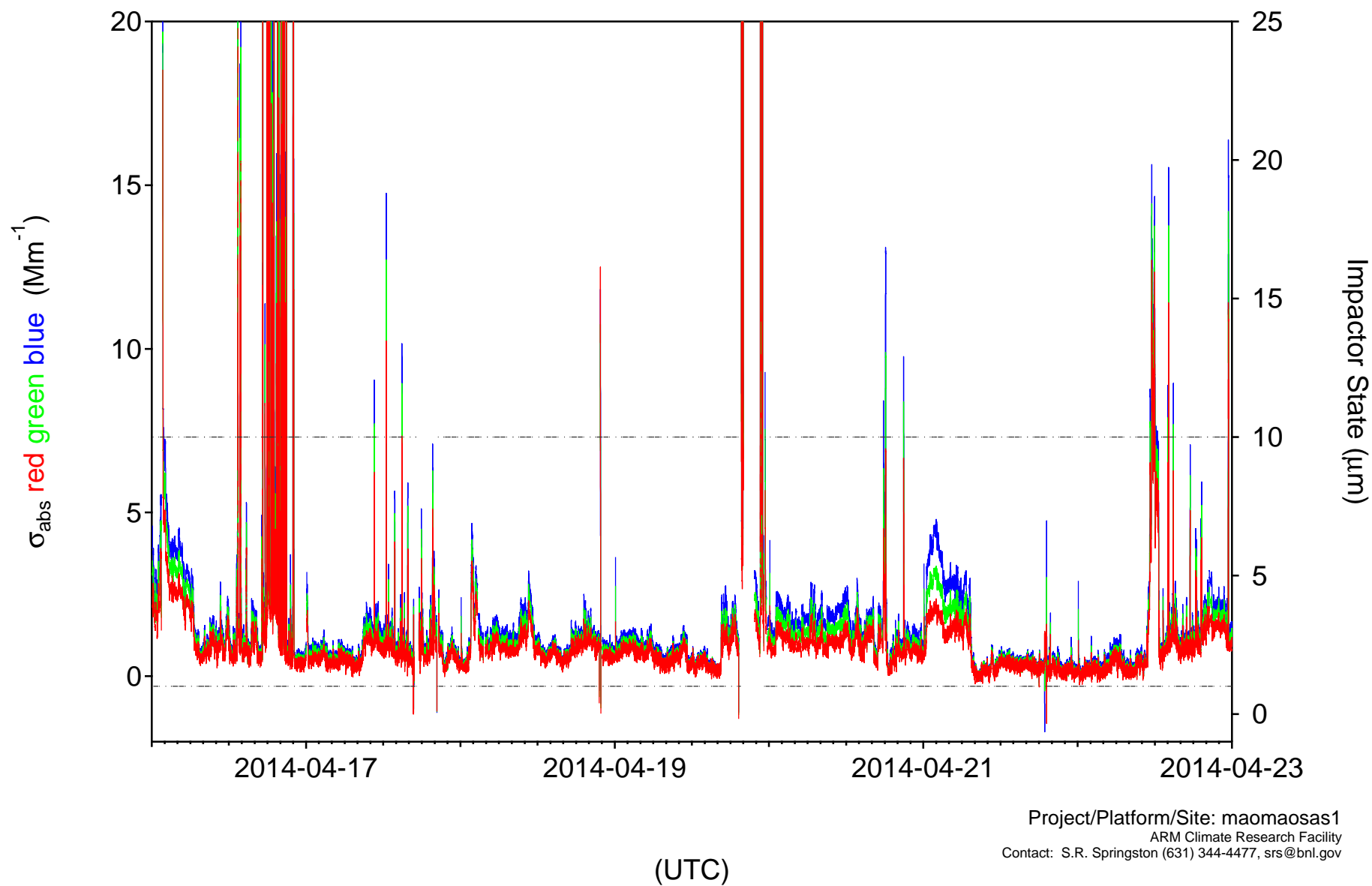
Radiance Research PSAP Housekeeping



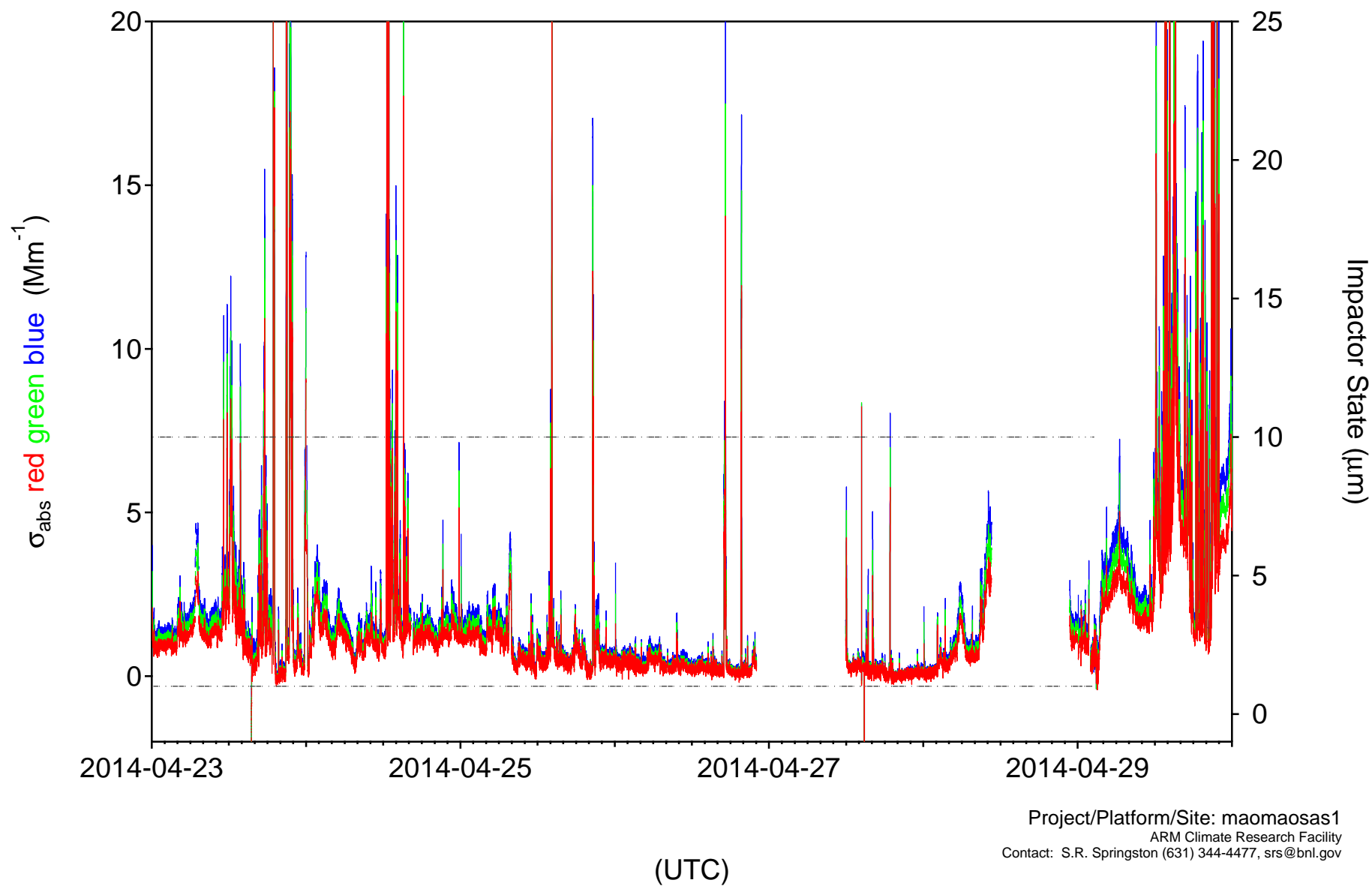
Radiance Research PSAP
with dilution factor



Radiance Research PSAP
with dilution factor



Radiance Research PSAP
with dilution factor



Radiance Research PSAP
with dilution factor

