

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

Loading 6/1 - 7/1/2014

Data loaded from detarred, unzipped and renamed 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[0,1627228] = 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.

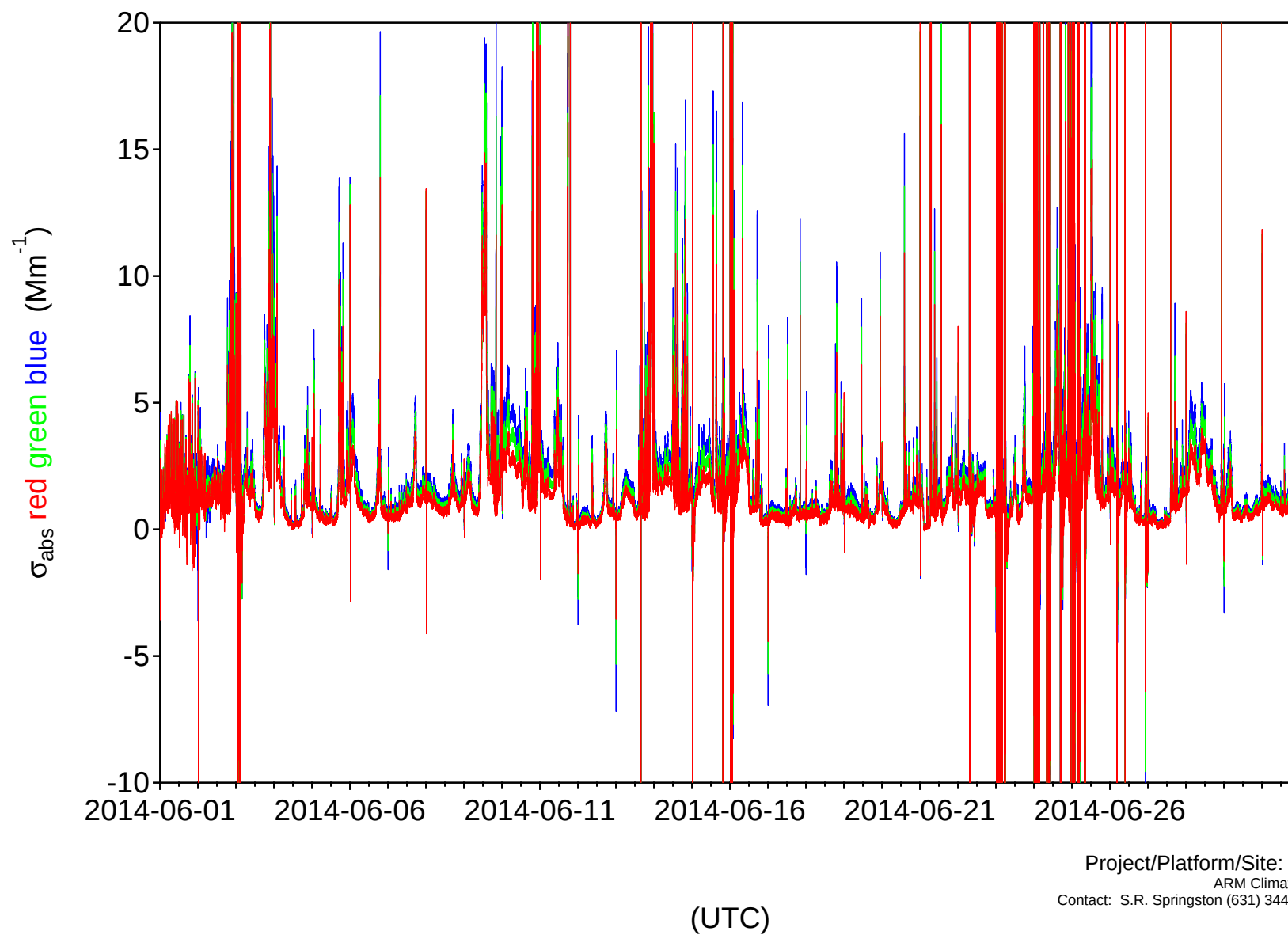
Dilution operational at ~0.5.

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

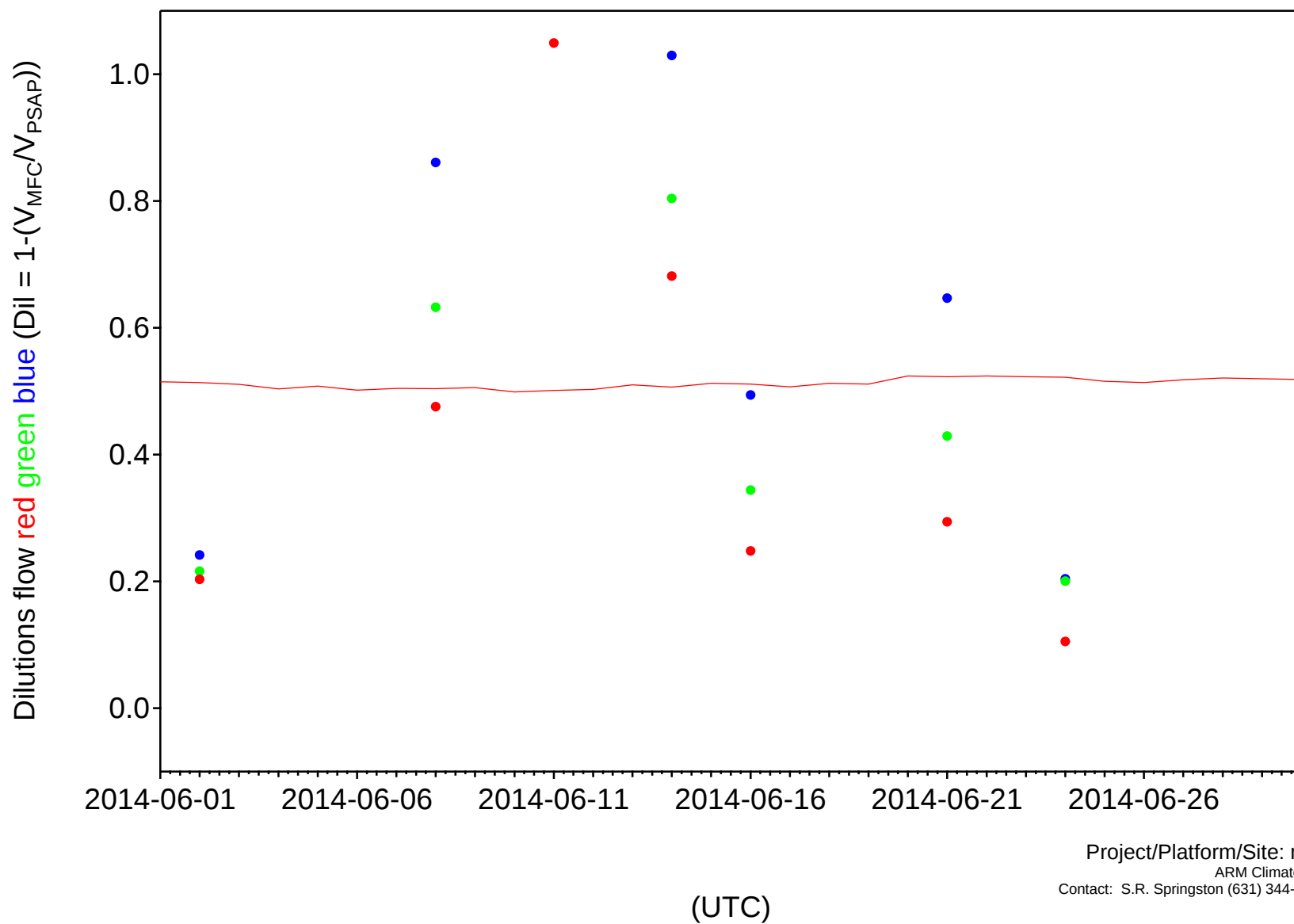
DQR D141204.4 (data gaps > 1 h)

2014-06-01 20:36:33, 2014-06-01 22:56:39  
2014-06-02 04:19:39, 2014-06-02 05:33:38  
2014-06-03 01:04:19, 2014-06-03 05:09:38  
2014-06-04 05:50:40, 2014-06-04 14:05:38  
2014-06-05 12:09:03, 2014-06-05 13:59:37  
2014-06-09 13:14:16, 2014-06-09 14:37:36  
2014-06-10 07:28:51, 2014-06-10 14:47:36  
2014-06-11 02:28:42, 2014-06-11 05:31:36  
2014-06-11 14:58:29, 2014-06-11 18:04:36  
2014-06-11 18:32:06, 2014-06-11 21:25:36  
2014-06-13 23:43:34, 2014-06-14 04:53:35  
2014-06-15 16:06:14, 2014-06-16 02:58:35  
2014-06-16 18:49:38, 2014-06-16 21:24:35  
2014-06-19 00:28:21, 2014-06-19 03:52:34  
2014-06-21 01:00:30, 2014-06-21 05:37:33  
2014-06-22 11:12:36, 2014-06-22 17:42:32  
2014-06-22 21:43:30, 2014-06-23 05:55:39  
2014-06-23 23:43:18, 2014-06-24 02:46:16  
2014-06-24 06:53:55, 2014-06-24 15:35:32  
2014-06-24 23:59:30, 2014-06-25 14:18:37  
2014-06-26 09:22:18, 2014-06-26 12:40:31  
2014-06-28 09:12:31, 2014-06-28 23:03:31

Radiance Research PSAP  
Data w/o dilution factor

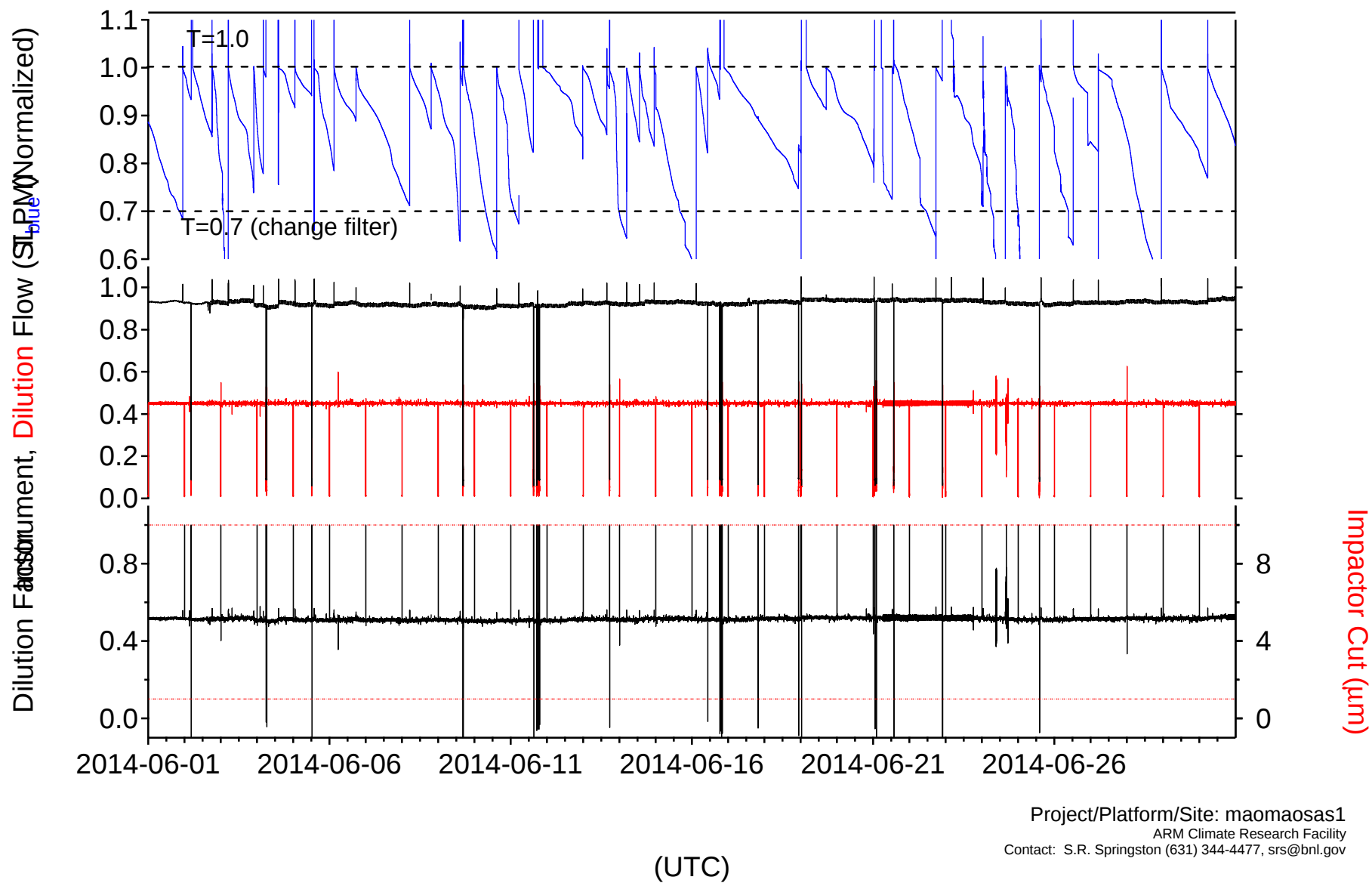


# Radiance Research PSAP

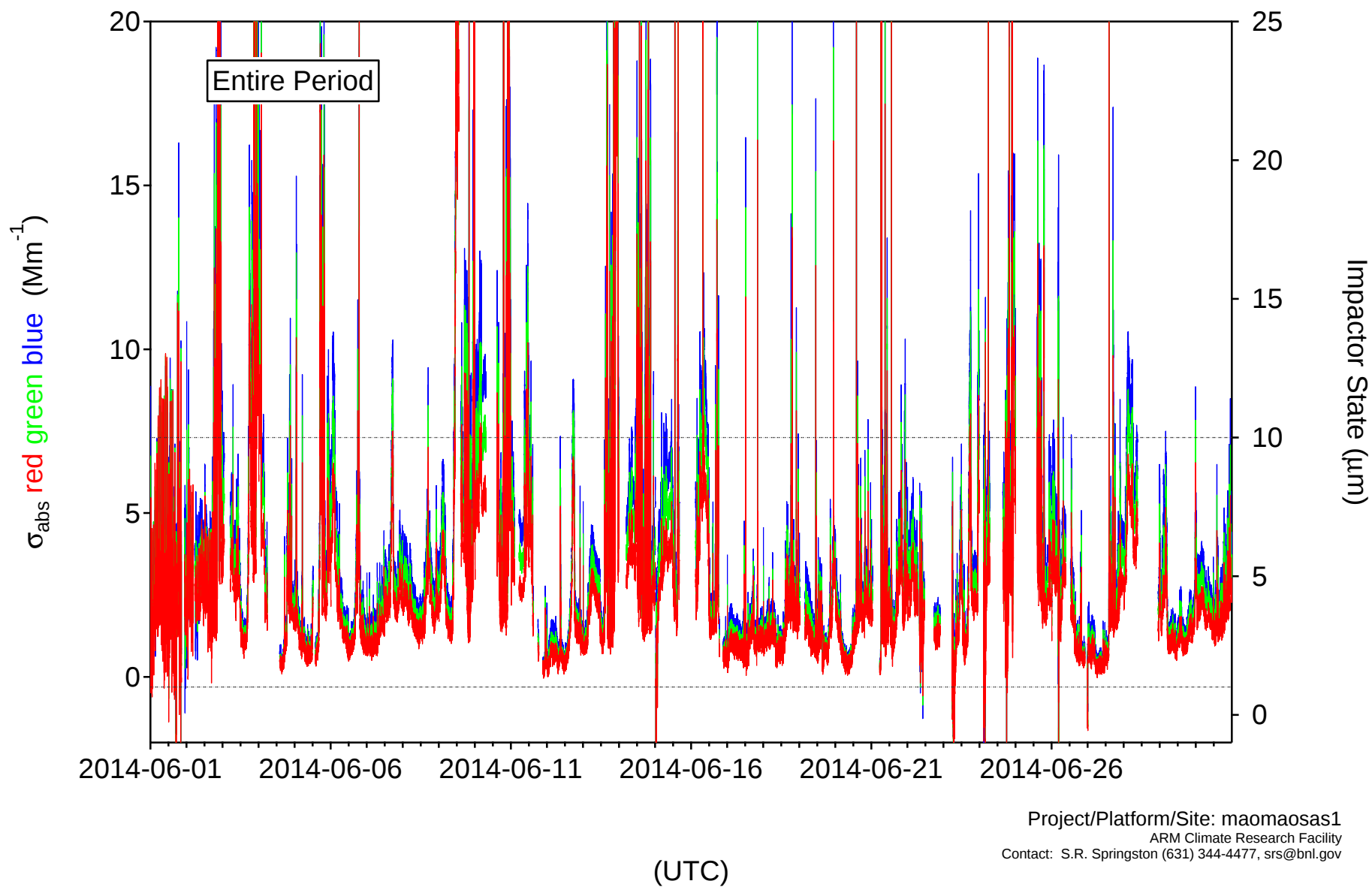


Project/Platform/Site: maomaosas1  
ARM Climate Research Facility  
Contact: S.R. Springston (631) 344-4477, srs@bnl.gov

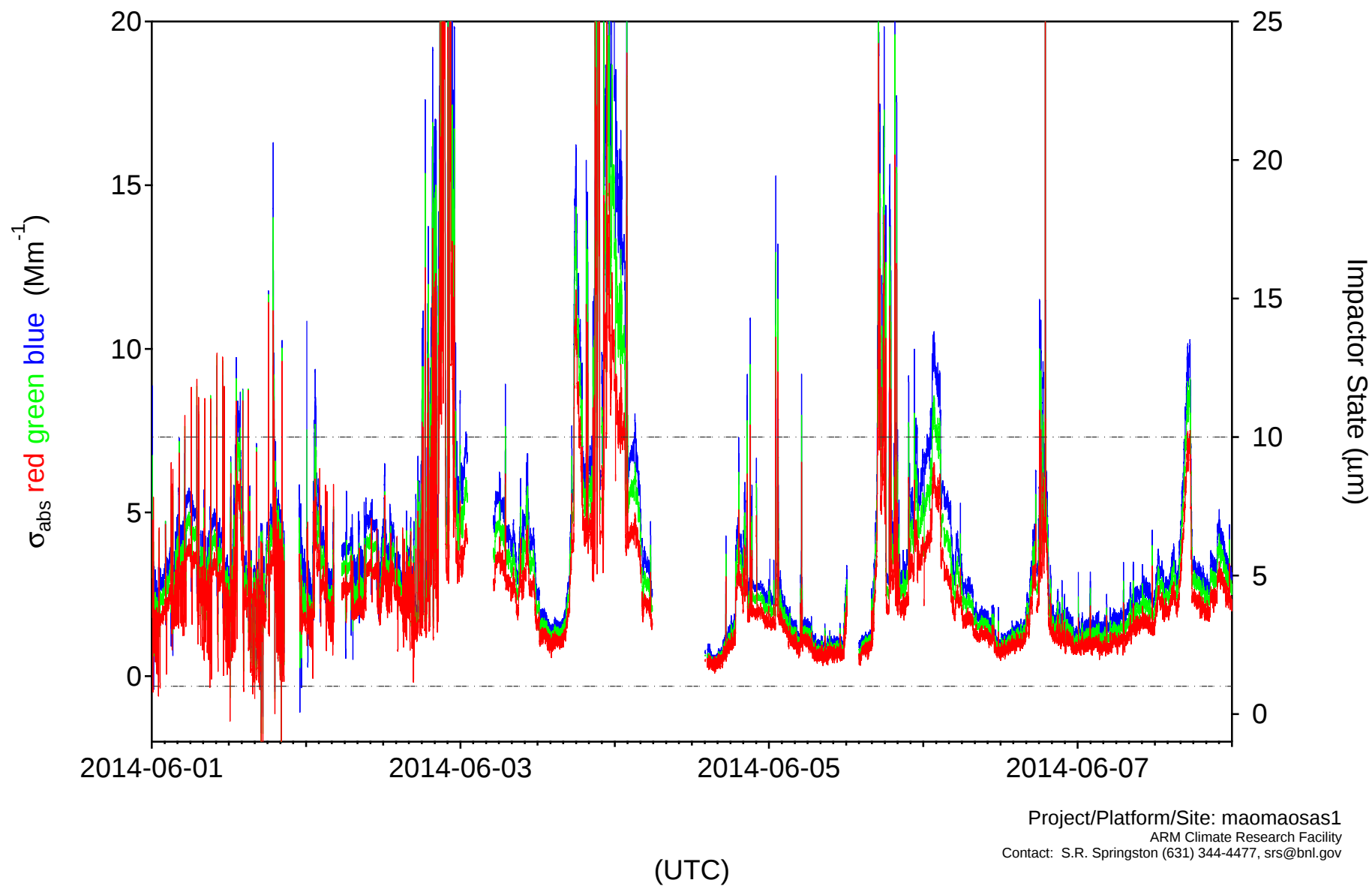
Radiance Research PSAP  
Housekeeping



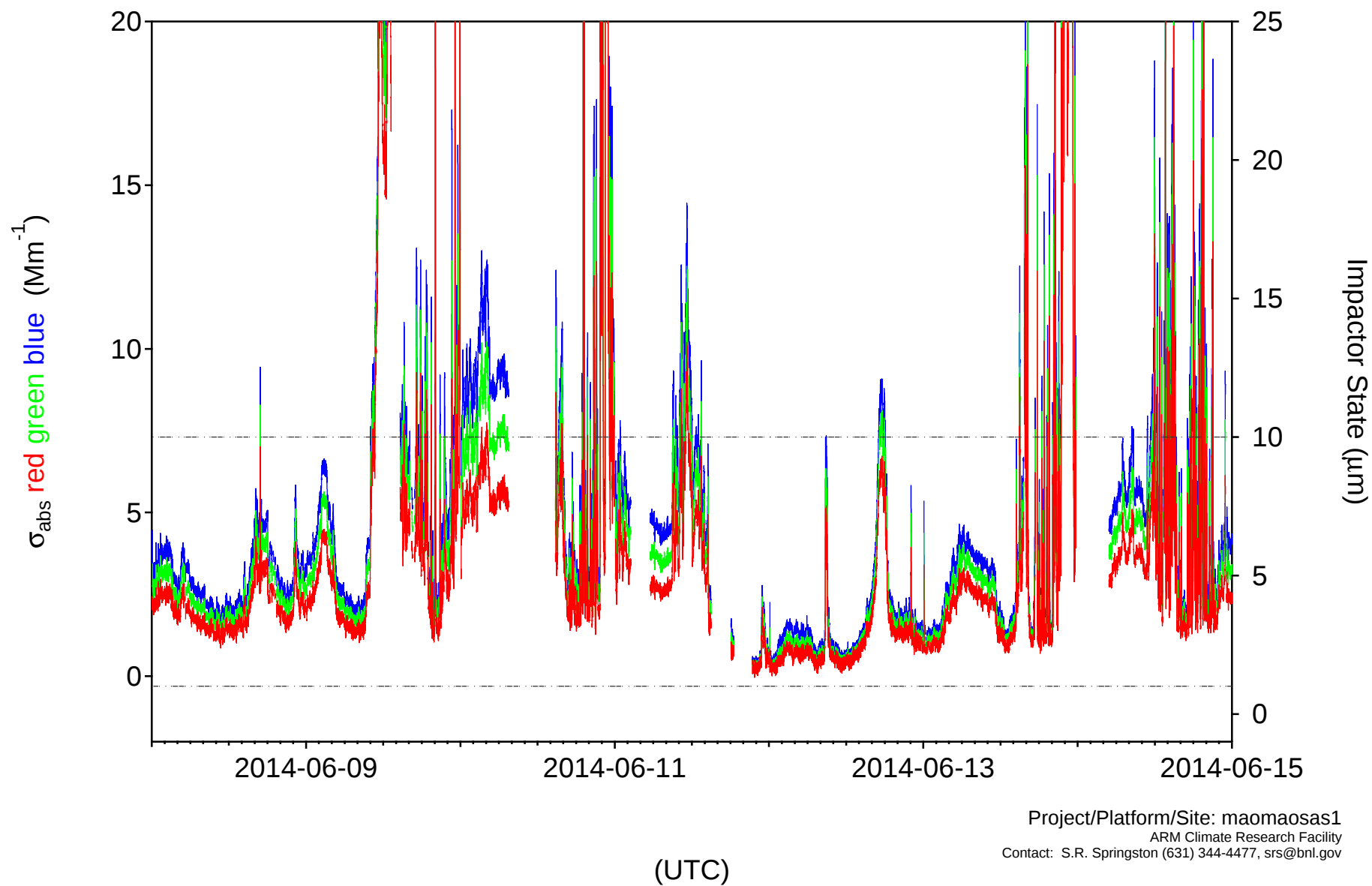
Radiance Research PSAP  
with dilution factor



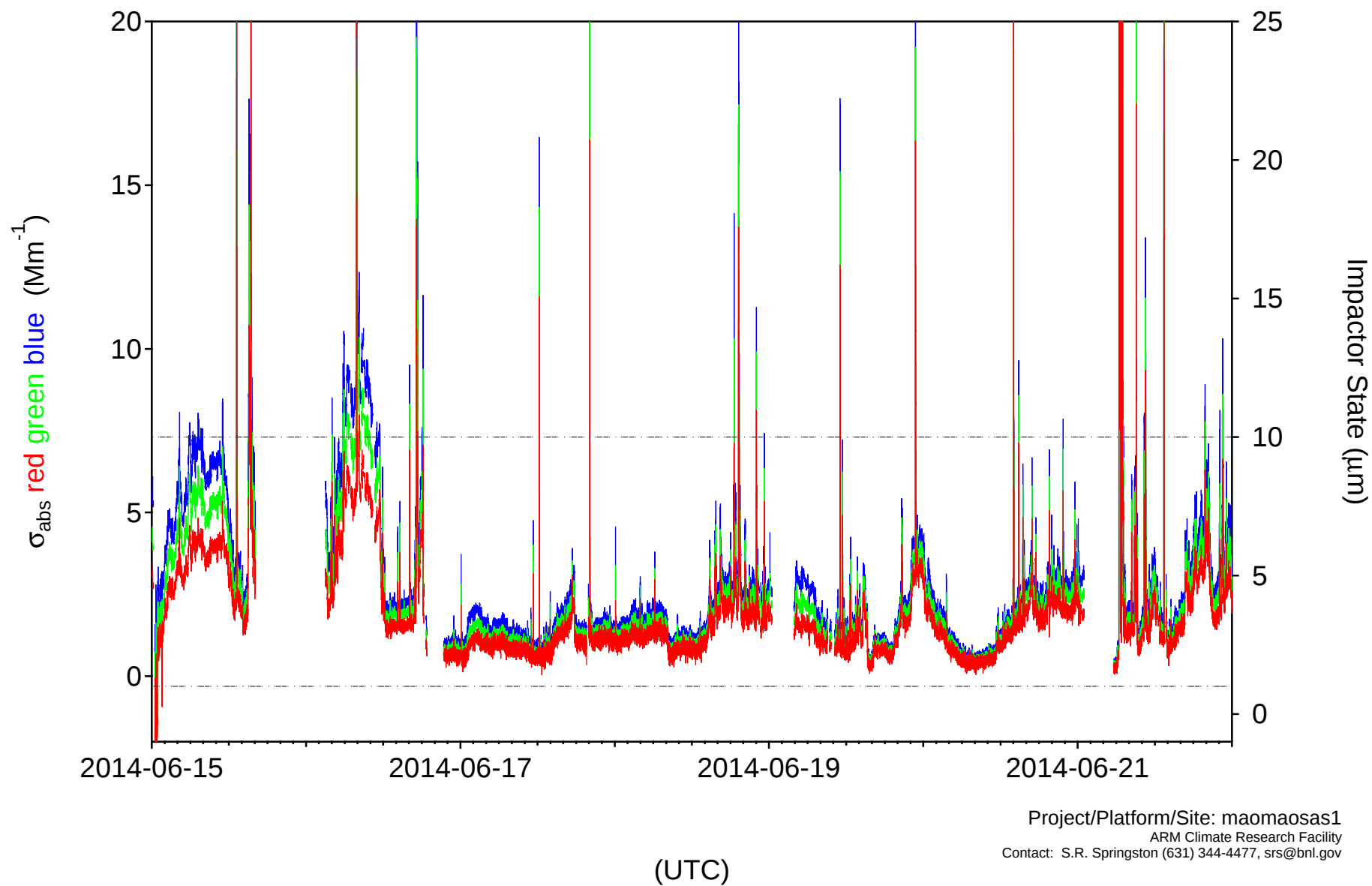
Radiance Research PSAP  
with dilution factor



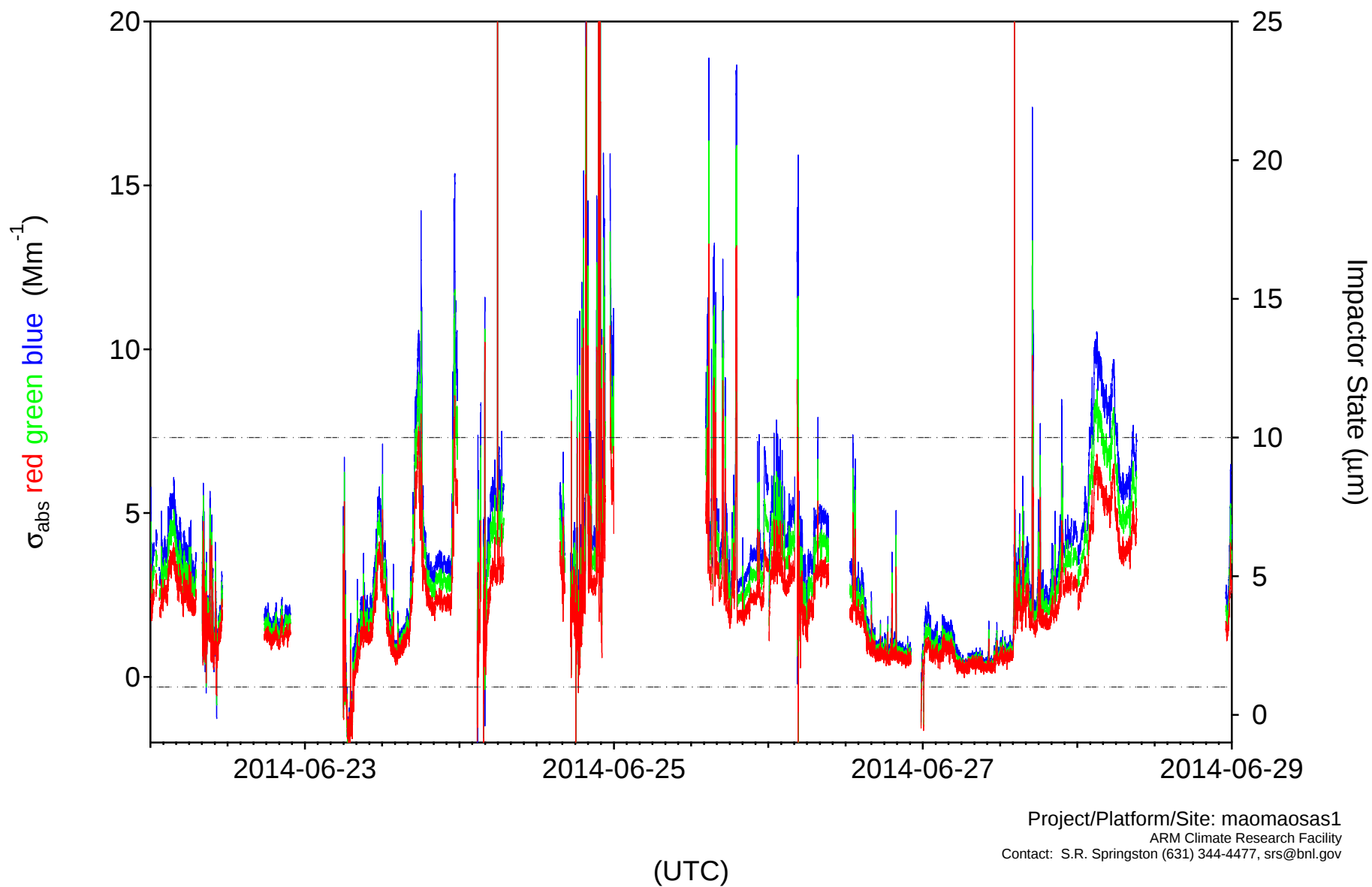
Radiance Research PSAP  
with dilution factor



Radiance Research PSAP  
with dilution factor



Radiance Research PSAP  
with dilution factor



Radiance Research PSAP  
with dilution factor

