

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

Loading 10/1 - 11/1/2014

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 $T(\text{blue}) < 0.7$

Impactor in place, operational and signals are correct polarity. As confirmation, the flow signal decreases slightly when the impactor is in the 1-um state.

Dilution operational at ~0.5.

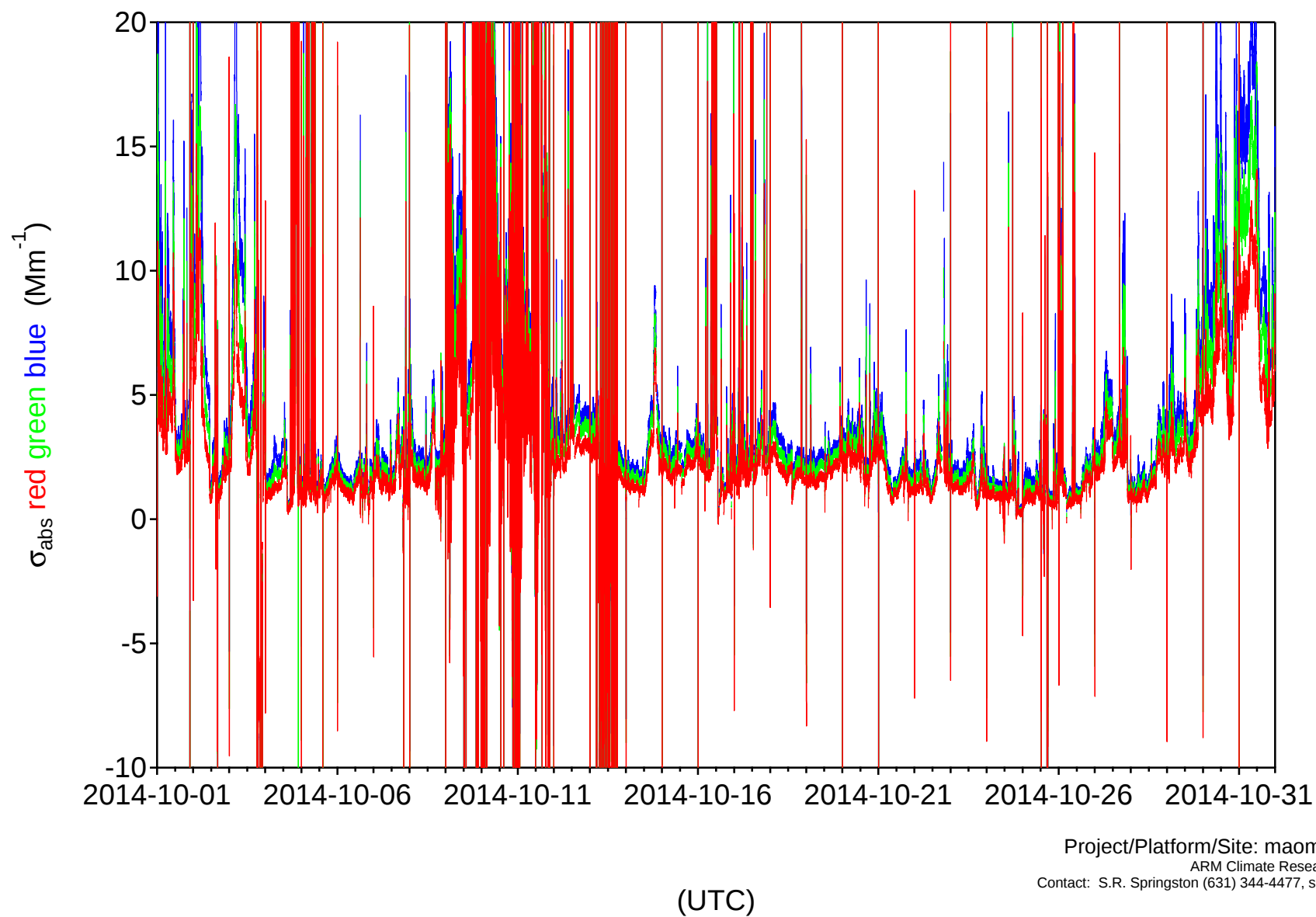
Some evidence of supermicron particles. A number of local events resulting in high absorbance. These were not edited.

Multiple power outages this month. These are not logged numerically so there is no way to reconcile the outage periods to the data output. There are two periods of instrument instability which appear due to oscillations in the Pentras drier (which supplies dilution air).

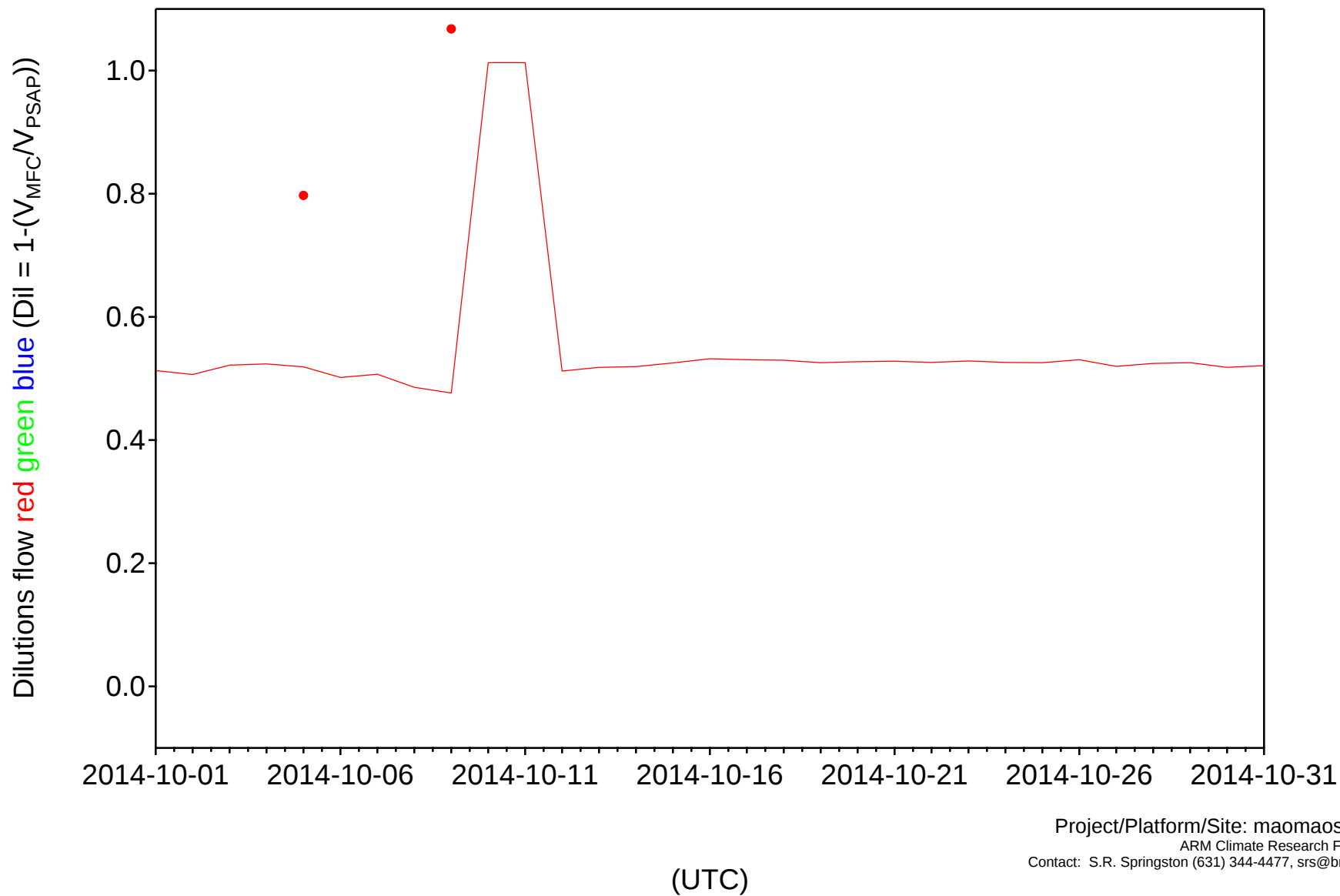
DQPR 4346 resulted in D141017.1 Gaps > 1-h are as follows

2014-10-01 02:19:53, 2014-10-01 13:23:01
2014-10-01 16:57:28, 2014-10-01 21:52:56
2014-10-02 02:19:08, 2014-10-02 05:18:01
2014-10-03 09:51:51, 2014-10-03 11:04:44
2014-10-03 18:36:45, 2014-10-03 22:24:00
2014-10-04 19:46:04, 2014-10-04 22:04:59
2014-10-05 08:40:46, 2014-10-05 10:41:15
2014-10-05 14:48:53, 2014-10-05 16:23:58
2014-10-05 17:00:41, 2014-10-05 18:20:55
2014-10-07 22:42:54, 2014-10-08 04:16:16
2014-10-08 17:56:27, 2014-10-08 19:31:57
2014-10-09 00:21:58, 2014-10-11 22:17:36 - Pentras off or oscillating causing signal instability
2014-10-12 10:56:07, 2014-10-12 13:39:54
2014-10-13 03:16:21, 2014-10-13 18:18:07 - massive oscillations due to leak or improperly sealed holder
2014-10-15 09:25:41, 2014-10-15 15:03:52
2014-10-16 09:46:18, 2014-10-16 13:26:42
2014-10-16 13:57:27, 2014-10-16 15:53:51
2014-10-17 04:28:23, 2014-10-17 13:19:51
2014-10-19 12:08:00, 2014-10-19 15:08:05
2014-10-22 18:07:03, 2014-10-22 19:28:25
2014-10-23 13:50:08, 2014-10-23 15:18:47
2014-10-23 16:13:43, 2014-10-23 17:58:47
2014-10-24 17:34:17, 2014-10-24 18:57:46
2014-10-25 11:50:51, 2014-10-25 16:52:35 - Pentras off or oscillating
2014-10-25 19:20:25, 2014-10-25 21:42:06
2014-10-30 03:05:13, 2014-10-30 05:41:44
2014-10-31 00:41:38, 2014-10-31 01:54:44
2014-10-31 08:32:14, 2014-10-31 12:01:43

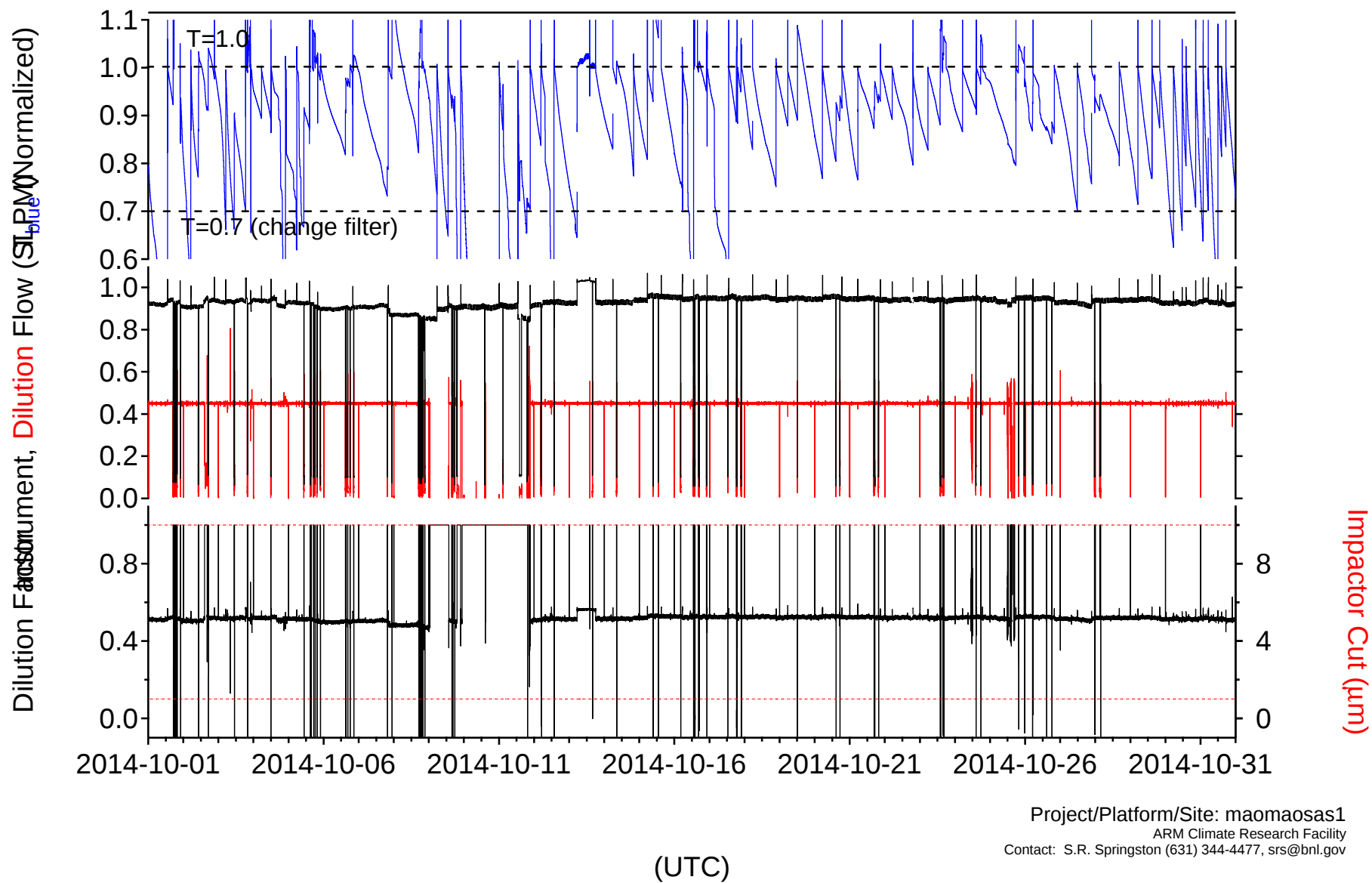
Radiance Research PSAP
Data w/o dilution factor



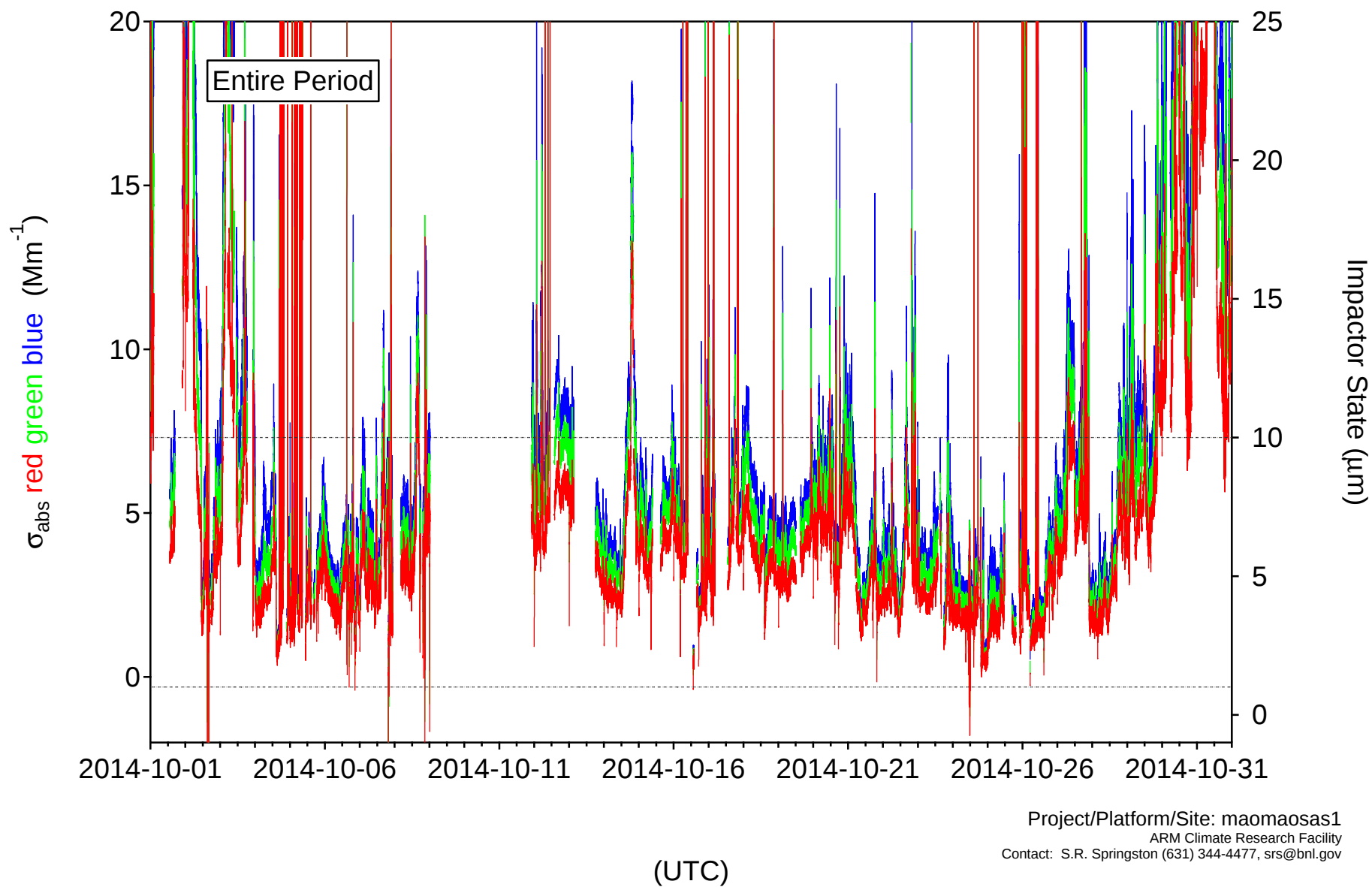
Radiance Research PSAP



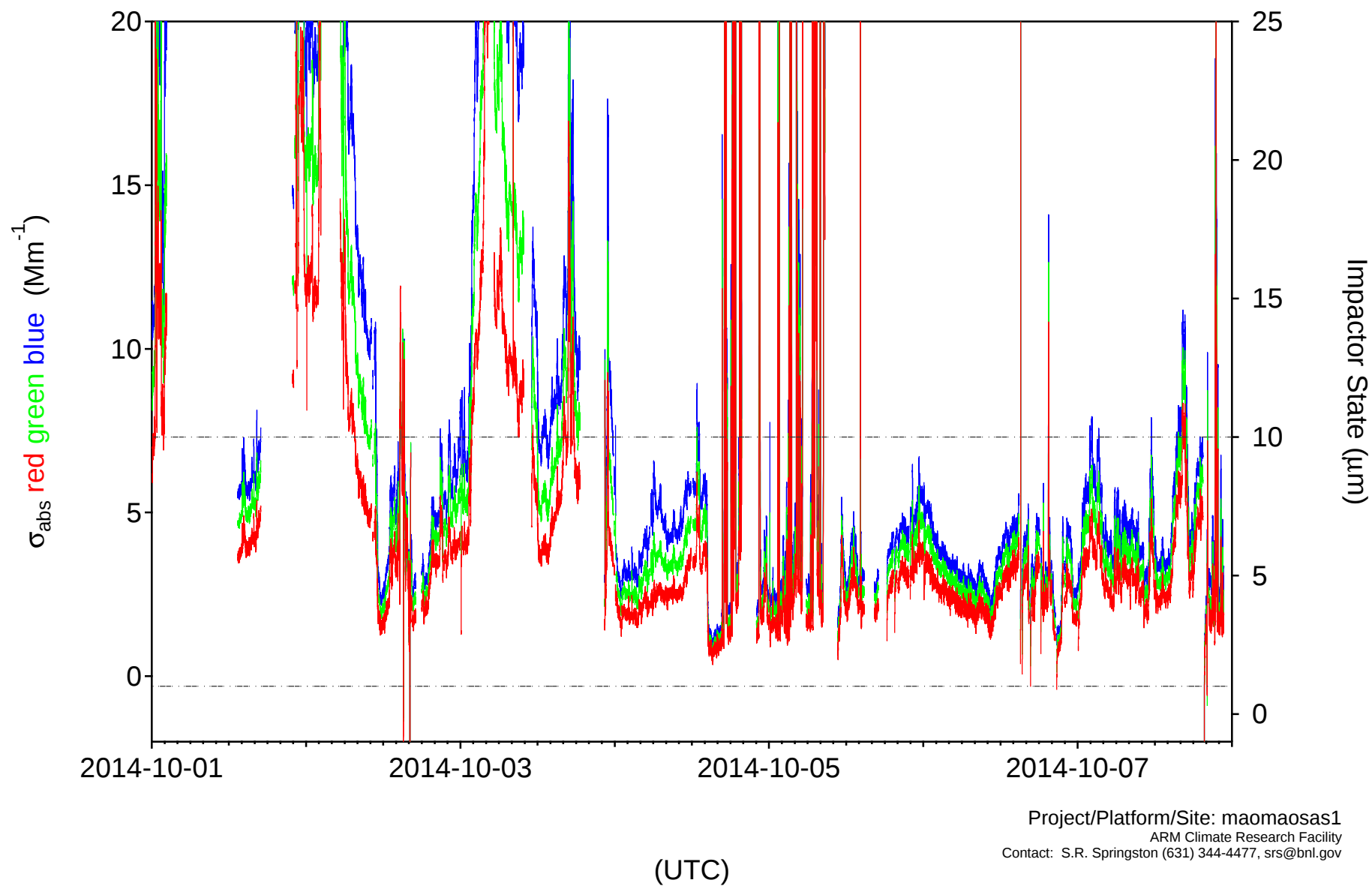
Radiance Research PSAP Housekeeping



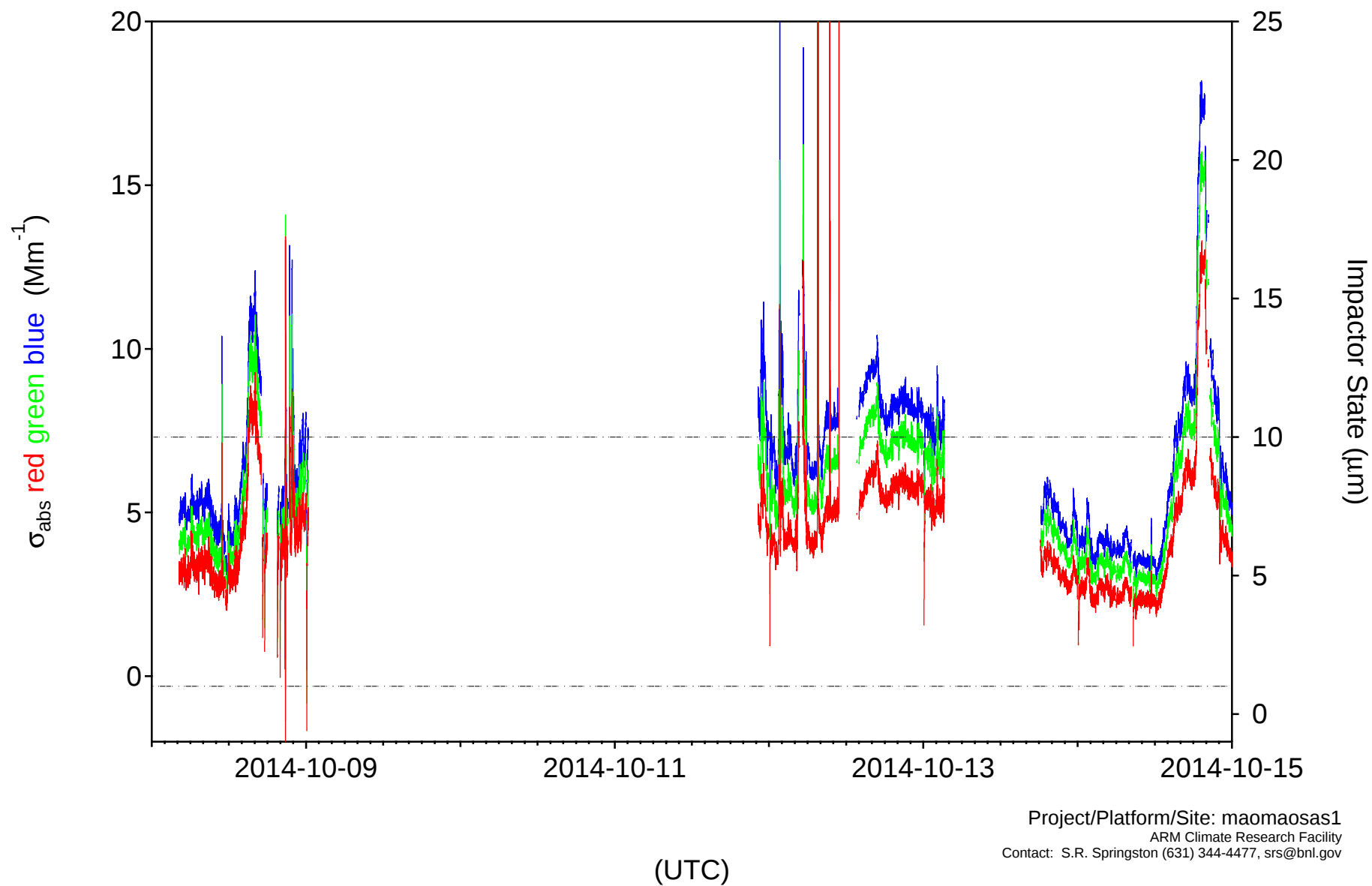
Radiance Research PSAP
with dilution factor



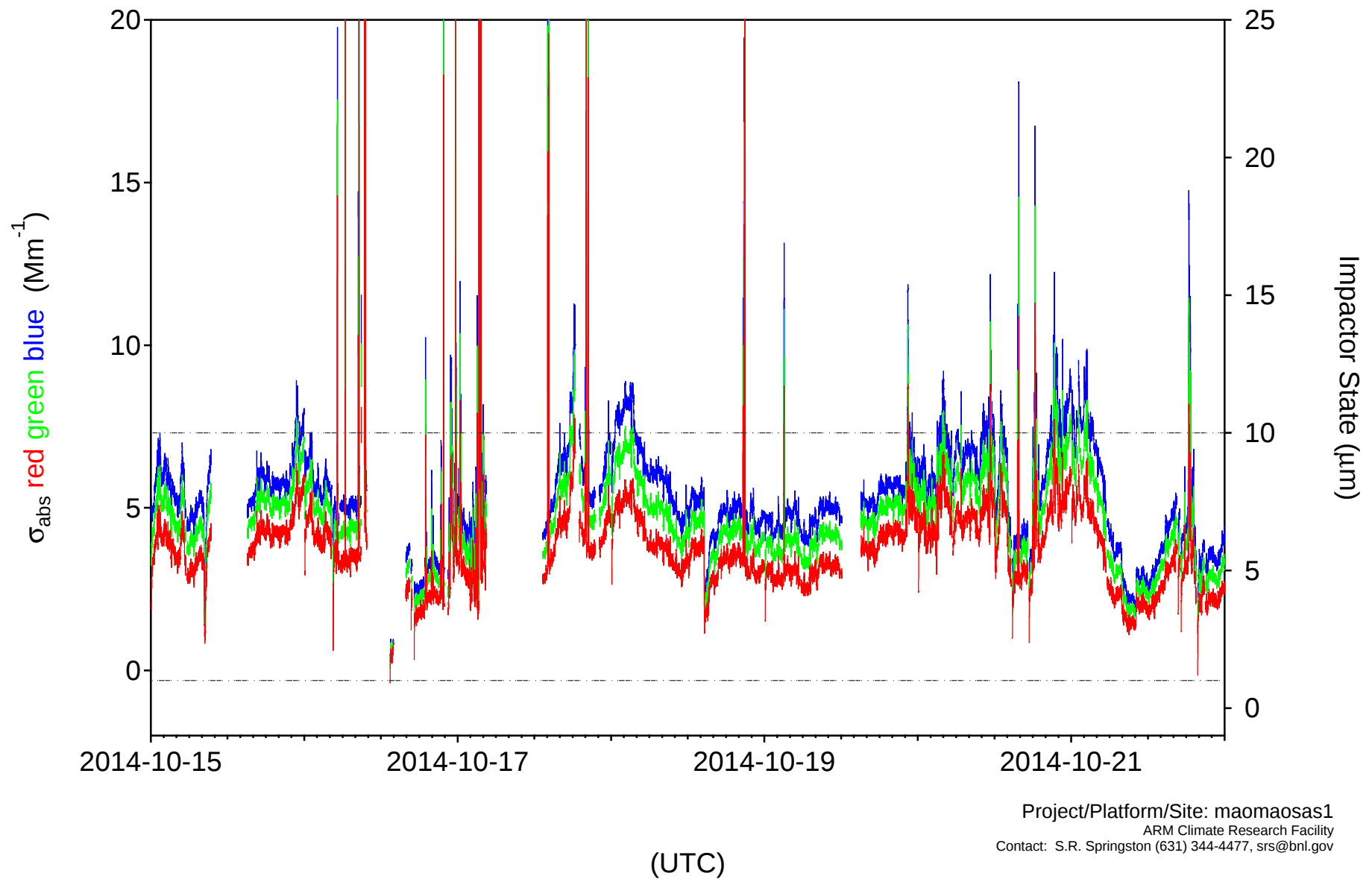
Radiance Research PSAP
with dilution factor



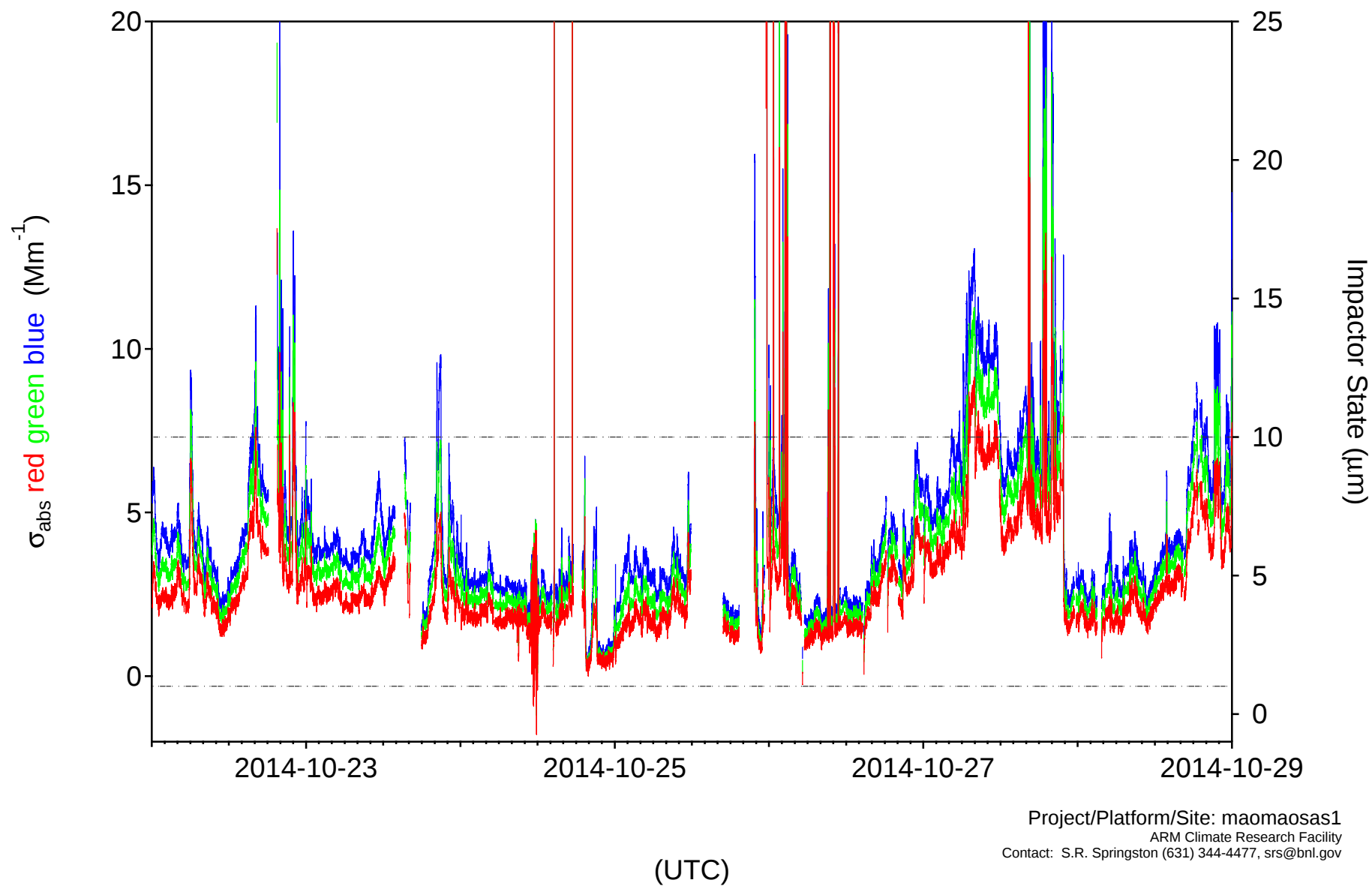
Radiance Research PSAP
with dilution factor



Radiance Research PSAP
with dilution factor



Radiance Research PSAP
with dilution factor



Radiance Research PSAP
with dilution factor

