

## TM5-MP - Bug #363

### Dry deposition budget for gases w/ M7

06/24/2015 02:51 PM - Jason Williams

<b>Status:</b>	Closed	<b>Start date:</b>	06/24/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	06/25/2015
<b>Assignee:</b>	Jason Williams	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	6.00 hours
<b>Target version:</b>		<b>Spent time:</b>	12.00 hours
<b>Description</b>			
<p>There is an indexing bug in the accumulation of the dry deposition budget in Sedimentation.F90 resulting in very large terms for e.g. CO and SO2. This bug appears when compiling with the with_m7 flag. For the global surface array, the totals are written using the indexing used for the M7 terms. Therefore sindex(n) should be replaced simply by n for:</p>			
<pre>buddep_dat (region) %dry (i, j, sindex (n)) =      &amp;                 buddep_dat (region) %dry (i, j, sindex (n)) - fdep*1e3/ra (n)</pre>			

### History

#### #1 - 06/25/2015 12:43 PM - Jason Williams

- Due date set to 06/25/2015
- Assignee set to Jason Williams
- % Done changed from 0 to 100
- Estimated time set to 6.00 h

Test simulation performed for a year and the large erroneous dry deposition terms for gases have been corrected when M7 aerosols are active. Change adopted across versions.

#### #2 - 06/25/2015 12:49 PM - Jason Williams

- Status changed from New to Closed