

Estimated Decay of Phobos-Grunt (2011-065A / 37872)

Latest Estimate as of 2012 Jan 13, 19:06 UTC

Compiled by Ted Molczan

| Source: Method | Link to Report ¹ | Date of Estimate ² | Age ³ | Estimated Decay ⁴ | Uncertainty ⁵ | |
|----------------------------------|---|-------------------------------|------------------|------------------------------|--------------------------|------|
| | | UTC | h | UTC | h | d |
| Molczan: Satana+Satevo | | 2012 Jan 13 17:59 | 1.1 | 2012 Jan 15 16:19 | 9 | 0.39 |
| Roscosmos | http://www.roscosmos.ru/main.php?id=2&nid=18551 | 2012 Jan 13 06:44 | 12.4 | 2012 Jan 15 16:22 | 12 | 0.50 |
| Harro Zimmer | http://satobs.org/seesat/Jan-2012/0129.html | 2012 Jan 13 09:13 | 9.9 | 2012 Jan 15 17:05 | 3 | 0.13 |
| Russian Aerospace Defence Forces | | 2012 Jan 13 05:00 | 14.1 | 2012 Jan 15 17:51 | NA | NA |
| The Aerospace Corporation | http://reentrynews.aero.org/2011065a.html | 2012 Jan 13 10:40 | 8.4 | 2012 Jan 15 17:52 | 14 | 0.58 |
| Molczan: Satevo | | 2012 Jan 13 17:59 | 1.1 | 2012 Jan 15 21:36 | 10 | 0.43 |
| Abdolreza Lavari | http://satobs.org/seesat/Jan-2012/0126.html | 2012 Jan 13 00:26 | 18.7 | 2012 Jan 16 03:00 | NA | NA |
| Celestrak: AGI Lifetime | http://celestrak.com/events/reentry/phobos-grunt.asp | 2012 Jan 13 15:04 | 4.0 | 2012 Jan 16 16:24 | 18 | 0.74 |
| Paul Salanitri | http://satobs.org/seesat/Jan-2012/0062.html | 2012 Jan 06 13:07 | 174.0 | 2012 Jan 17 01:00 | 48 | 2.00 |

¹Current as of this compilation. Certain links may contain only latest estimate by source.

²Typically corresponds to epoch of orbital elements used to estimate decay. Additional information in spreadsheet tables.

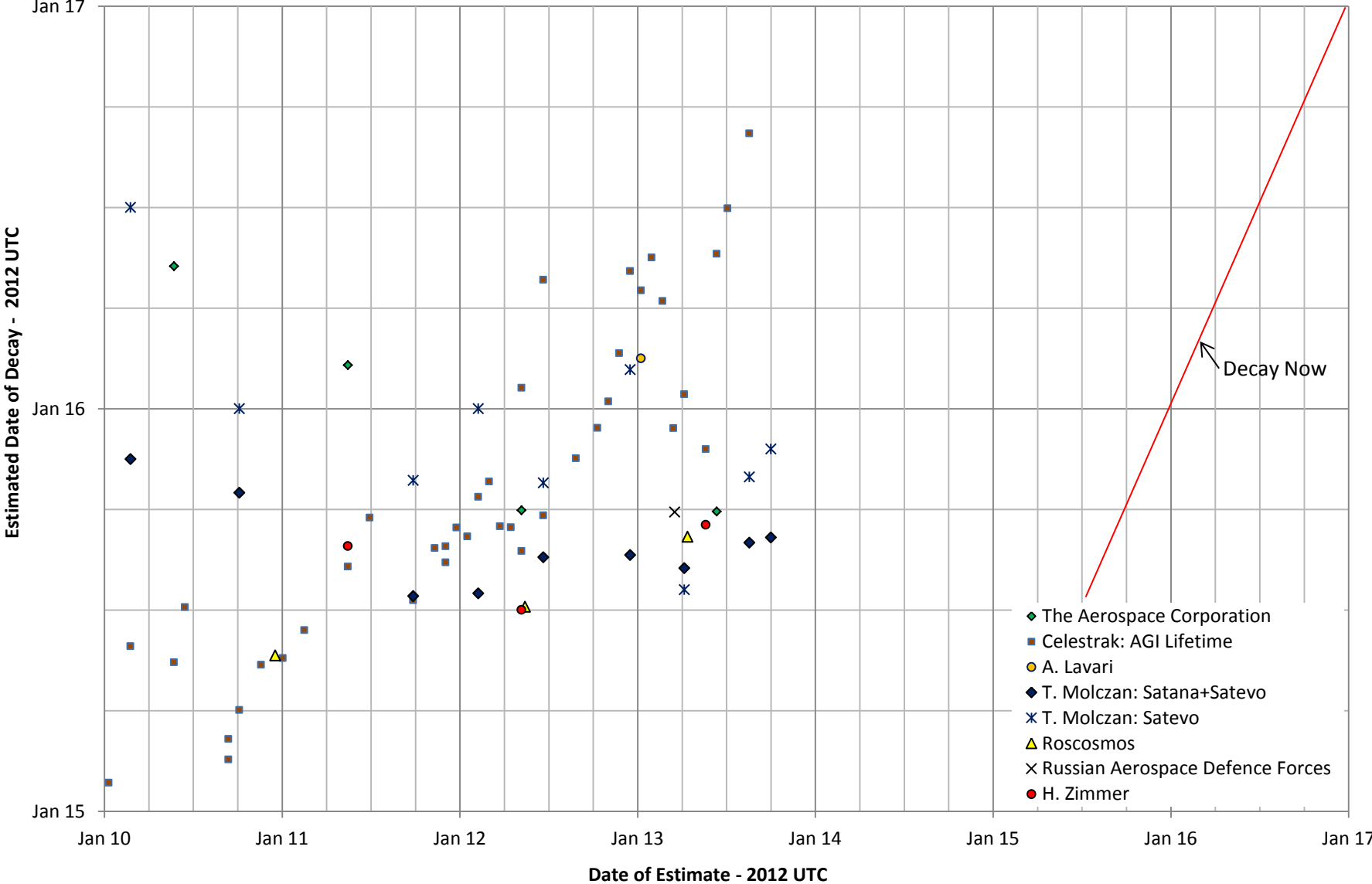
³Hours since estimate was made, as of the time of this compilation.

⁴Sorted from earliest to latest.

⁵Celestrak and Roscosmos decay uncertainty was estimated by TJM, based on data provided by source. Additional information in spreadsheet tables.

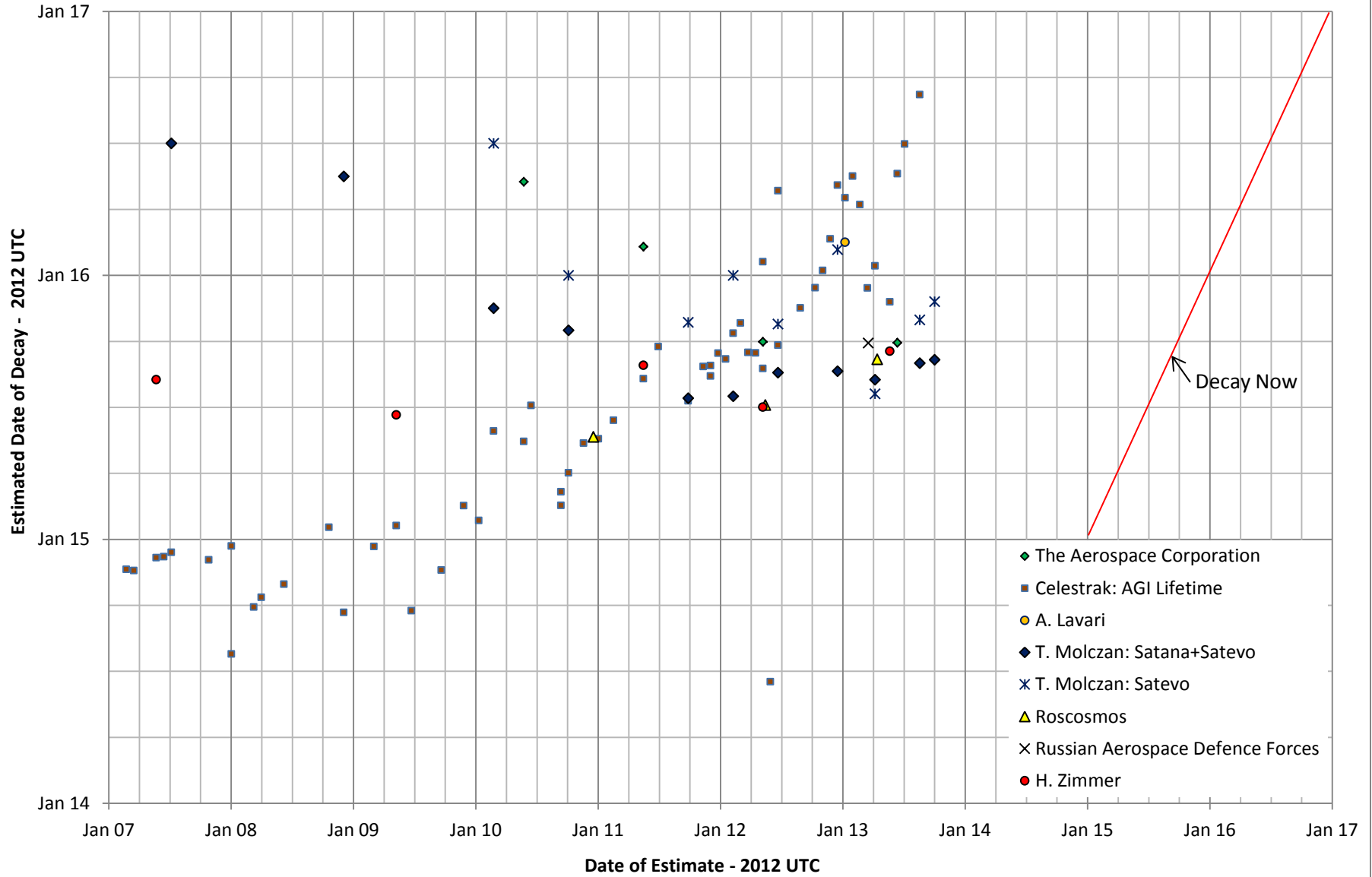
Evolution of Decay Estimates of Phobos-Grunt (2011-065A / 37872)

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