

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

Latest Estimate as of 2012 Jan 15, 15:33 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 15 09:21 | 6.2 | 2012 Jan 15 16:37 | 1.45 | 0.06 |
| V. Yurasov: GOST | | 2012 Jan 15 06:26 | 9.1 | 2012 Jan 15 17:27 | 1.48 | 0.06 |
| Paul Salanitri | http://satobs.org/seesat/Jan-2012/0181.html | 2012 Jan 15 09:36 | 6.0 | 2012 Jan 15 17:30 | 3.00 | 0.13 |
| Russian Aerospace Defence Forces | | 2012 Jan 13 05:00 | 58.5 | 2012 Jan 15 17:51 | NA | NA |
| Abdolreza Lavari | http://satobs.org/seesat/Jan-2012/0168.html | 2012 Jan 14 20:15 | 19.3 | 2012 Jan 15 18:00 | NA | NA |
| Harro Zimmer | http://satobs.org/seesat/Jan-2012/0178.html | 2012 Jan 15 09:21 | 6.2 | 2012 Jan 15 18:02 | 0.40 | 0.02 |
| V. Yurasov: NRLMSIS | | 2012 Jan 15 06:26 | 9.1 | 2012 Jan 15 18:11 | 1.02 | 0.04 |
| Roscosmos | http://www.roscosmos.ru/main.php?id=2&nid=18564 | 2012 Jan 15 14:30 | 1.1 | 2012 Jan 15 18:21 | 0.85 | 0.04 |
| The Aerospace Corporation | http://reentrynews.aero.org/2011065a.html | 2012 Jan 15 06:25 | 9.1 | 2012 Jan 15 19:21 | 3.00 | 0.13 |
| Molczan: Satevo | | 2012 Jan 15 09:21 | 6.2 | 2012 Jan 15 20:07 | 2.15 | 0.09 |

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.

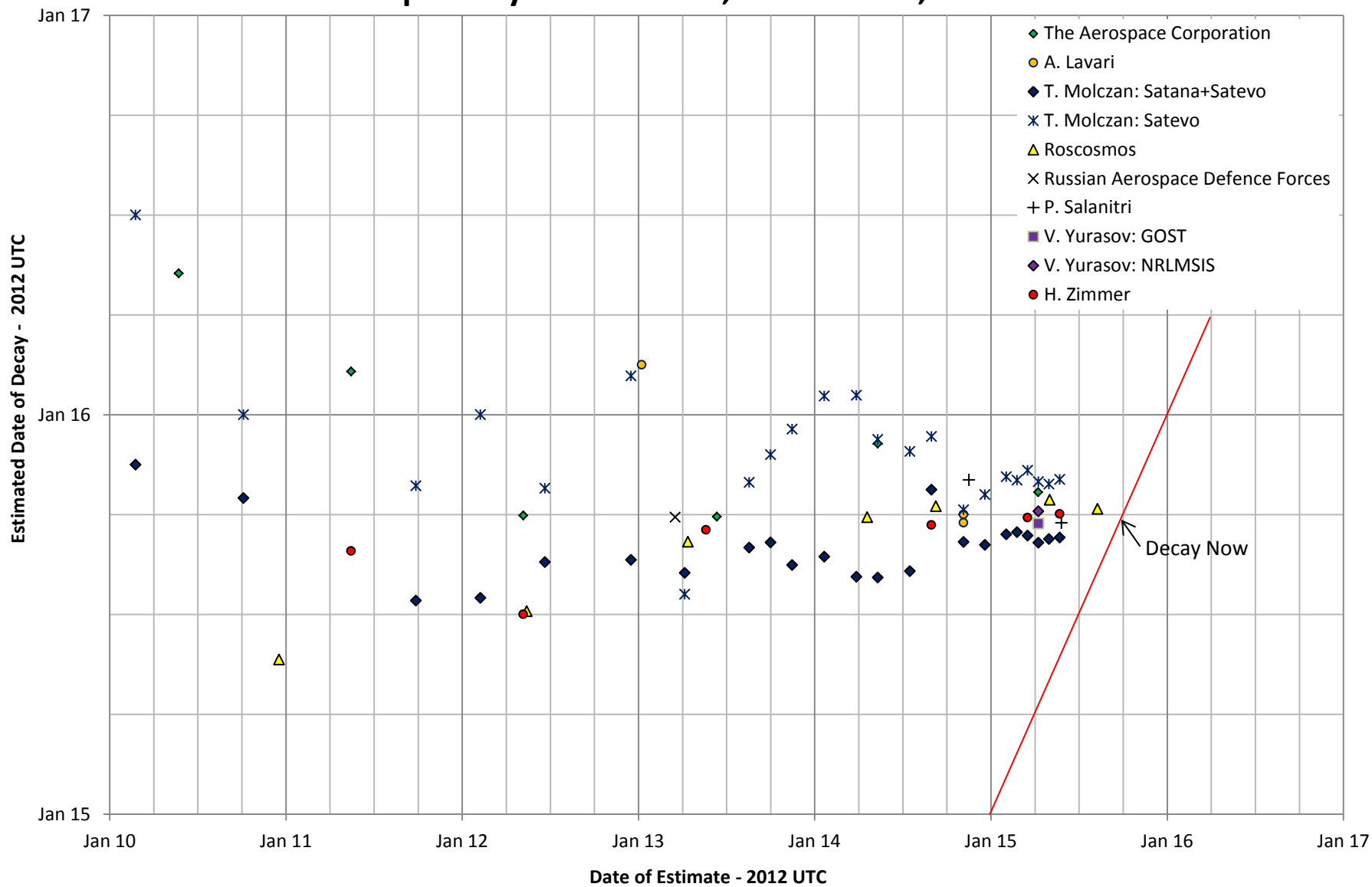
³Hours since estimate was made, as of the time of this compilation.

⁴Sorted from earliest to latest.

⁵Roscosmos 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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