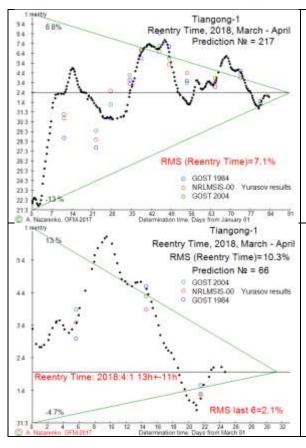
XV. Decay Epoch of the "Tiangong-1" Spacecraft. March 26, 2018

Andrey I. Nazarenko, Professor, retired

1. The results for March 26, 2018



For SC Tiangong-1, the results of all 217 reentry time determinations after January 1, 2018 are presented here.

According to this results, RMS from the average value (April 1, 23^h) equals 7.1% of the remaining lifetime.

The results of all 66 reentry time determinations after March 1, 2018 are presented here.

According to the results of the last 6 determinations, RMS from the average value equals 2.1% of lifetime.

Reentry time: **April 1 2018 13**^h± **11**^h

2. Recent publication of other authors

a) Aerospace Corporation

Tiangong-1 is predicted to reenter in around **April 1st**, 2018 \pm 3 Days.

This prediction was performed by The Aerospace Corporation on 2018 March 22.

6) ESA data:

Latest reentry forecast provided by ESA's Space Debris Office, ESOC, Darmstadt, Update 24 March 2018. The current estimated reentry window remains between 30 March and 2 April; this is highly variable.

References

- 1. A.I. Nazarenko, V.S. Yurasov, S.V. Tikhomirova. Determination of the satellite reentry time with allowance for random variations of atmospheric drag. ESOC, Reentry Workshop 2018, Darmstadt.
- 2. A.I. Nazarenko. Stochastic astrodynamics tasks. Mathematical methods and algorithms for solving. Moscow, URSS, 2017, 352 (p).