

Kerbal Space Program - Bug #28094

Negative Inclination for Comet in SFS File

06/28/2021 03:15 PM - Arrowstar

Status:	New	Start date:	06/28/2021
Severity:	Low	% Done:	0%
Assignee:			
Category:	Comets		
Target version:			
Version:	1.12.0	Language:	English (US)
Platform:	Windows	Mod Related:	No
Expansion:	Core Game		

Description

As the author of the KSPTOT tool/mod, I've been provided a save file from a user that shows a negative inclination for a comet. I don't know how this would have occurred or what, but it's definitely an error: negative inclination has no meaning.

The comet's name is "Wilfurt 1" and the error shows up at line 365910:

- INC = -12.291730880737305*
LPE = 0
LAN = 208.59056091308594
MNA = -0.56724156288684924
EPH = 63961720.905404247
REF = 0
}

ORBIT

```
{  
    SMA = 43822373630.410767  
    ECC = 0.628969614291503
```

I've attached the save file for your viewing. The user has suggested to me that this bug may have been introduced in KSP 1.11.x.

History

#1 - 06/28/2021 03:36 PM - theaziz

- File *persistent.sfs* added

As a provider of the first savefile, I thought it may be also connected with the fact that the game was slightly modded. But I created new, clean save (attached) and new comets and asteroids started to appear with negative inclination. For easy searching, look for "INC = -", there's plenty. In the game they appear with pos Inclination but with Arg of Pe at 180 deg, not in the savefile. Also 1.12, BG+MH.

#2 - 06/28/2021 03:38 PM - theaziz

- File *persistent.sfs* added

Here's one with data from 1st post.

Files

persistent.sfs	225 KB	06/28/2021	theaziz
persistent.sfs	7.53 MB	06/28/2021	theaziz