

## Kerbal Space Program - Bug #26339

### Pe marker in wrong place on hyperbolic orbits if Tracking Center not upgraded.

10/22/2020 08:48 PM - Dunbaratu

<b>Status:</b>	Resolved	<b>Start date:</b>	10/22/2020
<b>Severity:</b>	Low	<b>% Done:</b>	100%
<b>Assignee:</b>			
<b>Category:</b>	Map and Planetarium		
<b>Target version:</b>	1.12.0		
<b>Version:</b>	1.10.1	<b>Language:</b>	English (US)
<b>Platform:</b>	OSX, Windows	<b>Mod Related:</b>	No
<b>Expansion:</b>	Core Game		

#### Description

To reproduce the problem:

- Be playing a career game in which the Tracking Center is at the beginning level (no upgrades yet).
- Be on a hyperbolic orbit patch.
- Look at the map view.

Reliably, every time, in the above situation the map draws the Pe marker all wrong, off in space somewhere not even on the orbit line at all.

I will upload a screenshot below.

I could see **maybe** an argument that the player isn't supposed to see this information until the tracking center is upgraded, but that seems like an unlikely explanation for two reasons:

1. It works fine on elliptical orbits. It's only wrong on hyperbolic ones.
2. If that was the reason, then the Pe should be not shown at all, rather than being there but what's there is a lie.

#### History

##### #1 - 11/28/2020 08:27 PM - 18Watt

- Status changed from *New* to *Confirmed*
- % Done changed from 0 to 10
- Platform OSX added

Confirmed on OSX. PE marker is not placed correctly with Hyperbolic orbits, with basic level Tracking Station. Same results both on a departing trajectory and arriving trajectory.

The PE *value* was correct though.

##### #3 - 06/24/2021 10:37 PM - victorr

- Status changed from *Confirmed* to *Ready to Test*
- Target version set to 1.12.0
- % Done changed from 10 to 80

We have made some changes in this last 1.12.0 release and would like some feedback on this issue. Thanks.

##### #4 - 08/11/2021 02:53 PM - Technicalfool

- Status changed from *Ready to Test* to *Resolved*
- % Done changed from 80 to 100

#### Files

Pe_wrong.png	422 KB	10/22/2020	Dunbaratu
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