

Kerbal Space Program - Bug #28589

Received Mission Contract for Impossible orbit

11/30/2021 07:35 PM - XtraWaffle

Status:	New	Start date:	11/30/2021
Severity:	Low	% Done:	0%
Assignee:			
Category:	Contracts		
Target version:			
Version:	1.12.2	Language:	English (US)
Platform:	Windows	Mod Related:	No
Expansion:	Breaking Ground, Core Game		

Description

Hi,
There is one bug, which makes my mission impossible to accomplish.

I have received a mission assignment in game to establish an orbit above Duna.

IMG 1 - <https://i.gyazo.com/1ad8768c21e02d777de473bb7ebea52a.png>

Turns out the desired orbit is of very similar orbital parameters just like Ike's orbit.

IMG 2 - <https://i.gyazo.com/94369aa5f5eb0e75ab07b4639679a000.jpg>

Normally it would be possible to make orbit with probe orbiting on the other side - to not to have it crashed to Ike.

However last condition of the mission assignment made it impossible - to hold the orbit DIRECTLY above Duna site - The site is directly pointed on Duna's moon Ike.

I can't establish circular orbit around Duna, as long as Ike's gravitational influence will never let me to position myself that way. We could zero-out all the relative speed at the good spot, but if I engage my engines on the temporary collision course with the moon, to cancel its gravity and to create the orbit, it will never yield a desired orbit shape in the tracker view, that needs to be there in order to complete the mission + maintaining the stability for 10 seconds.

I've consulted someone who knows way more that I do in KSP and told me, this mission is impossible to do.

Is that right and this is a game bug, or is it possible to establish such orbit ?

I should mention: I've bought DLC Breaking Ground day prior this issue happened, and I have not started a new game but loaded my old one, where I use the DLC's features.

I am also using one outdated mod: MechJeb2 from CurseForge