

Kerbal Space Program - Bug #25992

Shadow Flickering and banding

08/25/2020 02:21 PM - rextable

Status:	New	Start date:	08/25/2020
Severity:	Low	% Done:	0%
Assignee:			
Category:	Visual FX		
Target version:			
Version:	1.10.1	Language:	English (US)
Platform:	Windows	Mod Related:	No
Expansion:	Breaking Ground, Core Game, Making History		

Description

Upon the suggestion of the Private Division tech support team I'm reporting this bug. Apologies if it's already been reported.

Description:

at certain angles at ground level on Kerbin, severe shadow flickering occurs. At it's worst, dark bands cross the entire scene at various distances from the camera. This problem subsides as the focused craft launches and ascends higher into the atmosphere.

the tech support team report they've seen this issue on Nvidia cards before but don't have a fix for it. There are also posts on the KSP forum reporting the same thing but no solutions have been found. The only common denominator is Nvidia cards but no particular generation - the problem persists on both GTX and RTX series GPUs. I've encouraged those forum posters to report here too in the hope of providing enough info to find what the problem is.

My game is a fresh install and new game start. I also have a 'clean' install of the latest Nvidia drivers.

Although I can't change the severity of this bug to 'severe' I could definitely describe it that way as it is totally immersion breaking.

History

#1 - 08/25/2020 02:24 PM - rextable

- Description updated

#2 - 08/25/2020 03:56 PM - Boyster

- File 34443.jpg added

- File 2323.jpg added

- File 334.jpg added

Same problem, very distracting, immersive breaking,

#3 - 08/25/2020 03:58 PM - Boyster

Same problem, very immersive breaking.

It happens at any zoom but these screenshots are zoomed out since then the problem is more "stable" and a screenshot is possible.

Up close it flickers so fast....ugh....please try and fix it....

#4 - 08/26/2020 03:08 PM - Maers

Same problem. Turn off the shadows kind of works, fixes big black lines, but leaves shadows flickering.

<https://www.youtube.com/watch?v=2jwICzEcP0Y>

#5 - 09/19/2020 12:42 AM - Gordon-Dry

Same problem.

First I thought it's because of visual mods - but it's not.

GTX 660 here.

#6 - 10/29/2020 08:31 PM - Justadutchguy

- File ISS 2.craft added

Video of the problem: <https://streamable.com/na7037>

Immersion totally broken and I can't film the ISS Challenge after days of work.
And will have to stop streaming this game at because it just looks terrible. And its not the quality I can serve my viewers.

Tried everything on hardware side.
Even swapped my Gigabyte 1070 GTX with an MSI 970 GTX with the same result.

My test ISS added to the files.

Setup:
Windows 10
Steam install
Fully stock Both DLC's
1.9.2 1.10.1

X3600/Asus X370 Prime/ 32GB RAM Corsair /Gigabyte 1070 GTX and tried MSI 970 GTX

Update! Anth12's post seems to clear the shadow banding! So go and check your settings.cfg file folks.
I am still testing but it seemed to work!

#7 - 11/15/2020 05:21 AM - Anth12

If the settings.cfg file is upgraded from 1.7.3 to 1.10.1 then the settings will be as follows and the banding doesnt happen:

Upgraded NO PROBLEM

```
SHADOWS_FLIGHT_PROJECTION = 1
SHADOWS_KSC_PROJECTION = 1
SHADOWS_TRACKING_PROJECTION = 1
SHADOWS_EDITORS_PROJECTION = 1
SHADOWS_MAIN_PROJECTION = 1
SHADOWS_DEFAULT_PROJECTION = 1
```

If the settings.cfg is deleted and KSP recreates it from scratch in 1.10.1

Clean Install PROBLEM

```
SHADOWS_FLIGHT_PROJECTION = 0
SHADOWS_KSC_PROJECTION = 0
SHADOWS_TRACKING_PROJECTION = 0
SHADOWS_EDITORS_PROJECTION = 1
SHADOWS_MAIN_PROJECTION = 1
SHADOWS_DEFAULT_PROJECTION = 0
```

Clean install or the rebuilding of the settings.cfg causes the bug to happen because of the above settings

Files

screenshot6.png	2.77 MB	08/25/2020	rextable
screenshot13.png	2.81 MB	08/25/2020	rextable
screenshot23.png	2.6 MB	08/25/2020	rextable
KSP.log	399 KB	08/25/2020	rextable
DxDiag.txt	102 KB	08/25/2020	rextable
34443.jpg	494 KB	08/25/2020	Boyster
2323.jpg	422 KB	08/25/2020	Boyster
334.jpg	436 KB	08/25/2020	Boyster
ISS 2.craft	1.01 MB	10/29/2020	Justadutchguy