

Kerbal Space Program - Bug #2730

Crossed into SOI, Now Spacecraft Glitches when I Load Save

07/06/2014 11:52 PM - illectro

Status:	Closed	Start date:	07/06/2014
Severity:	Normal	% Done:	100%
Assignee:			
Category:	Physics		
Target version:			
Version:	0.23.5	Language:	English (US)
Platform:	Any	Mod Related:	No
Expansion:			

Description

The orbit inside Moho's SOI is pretty extreme, I suspect there may be a problem with the patched conics solver for these parameters (included below)

```
pid = 741217b2b39e474ba6d048711622e6e2
  name = Falcon
  type = Probe
  sit = ESCAPING
  landed = False
  landedAt =
  splashed = False
  met = 15993486.5999116
  lct = 7211277.63502197
  root = 0
  lat = 38.3439871792357
  lon = 122.01006256512
  alt = 9024099.80768969
  hgt = -1
  nrm = 0.02420711,0.9219105,-0.386646
  rot = 0.111744,0.2179853,0.6851689,0.6859587
  CoM = -2.249896E-05,-2.213755,-0.01752541
  stg = 0
  prst = False
  ref = 2774023166
  cPch =
  cHdg =
  cMod = 0
  ORBIT
  {
    SMA = -12301.0717745172
    ECC = 2.56624018547891
    INC = 74.36276511111772
    LPE = 152.862447685692
    LAN = 3.11531914361944
    MNA = -778.737920942939
    EPH = 23204664.1148153
    REF = 4
  }
```

History

#1 - 07/17/2016 09:26 AM - TriggerAu

- Status changed from New to Needs Clarification

#2 - 08/09/2016 10:56 AM - TriggerAu

- Status changed from Needs Clarification to Closed

- % Done changed from 0 to 100

Closing this report out for now. If you find it is still occurring in the latest version of KSP please open a new report (and this one can be linked to it.) For best results, the wiki contains really useful info for when creating a report <http://bugs.kerbalspaceprogram.com/projects/ksp/wiki>.

You can also ask questions about the bug cleanup in the forum here:

<http://forum.kerbalspaceprogram.com/index.php?/topic/143980-time-to-clean-up-the-bug-tracker/> and tag @TriggerAu to get my attention