## QGIS Application - Bug report #21637
### r.sun cannot be executed because it calls on two incompatible options

**Status:** Closed  
**Priority:** Normal  
**Assignee:** Alexander Bruy  
**Category:** Processing/GRASS  
**Affected QGIS version:** 3.6.0  
**Operating System:**  
**Pull Request or Patch supplied:** Yes  
**Crashes QGIS or corrupts data:** No  
**Regression?:** No  
**Easy fix?:** Yes  
**Resolution:** Crashes QGIS or corrupts data: No  
**Copied to github as #:** 29453

### Description

Trying to run the r.sun grass7 function from the Processing toolbox gives the following output:

"ERROR: insol_time and incidout are incompatible options"

And the process exits without producing any output. As was the case with r.sunmask, would it be possible to split that function into two mutually exclusive sub-functions?

### Associated revisions

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Committer</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>ab646c4d</td>
<td>2019-05-23 09:13 AM</td>
<td>Alexander Bruy</td>
<td>[processing] split r.sun into two algorithms as it has mutually exclusive options (fix #21637)</td>
</tr>
<tr>
<td>121a92df</td>
<td>2019-05-25 06:59 AM</td>
<td>Alexander Bruy</td>
<td>Merge pull request #10074 from alexbry/grass-r-sun</td>
</tr>
<tr>
<td>f17accf1</td>
<td>2019-05-25 07:04 AM</td>
<td>Alexander Bruy</td>
<td>[processing] split GRASS r.sun algorithm into two (fix #21637)</td>
</tr>
<tr>
<td>de0544c1</td>
<td>2019-05-25 12:49 PM</td>
<td>Alexander Bruy</td>
<td>Merge pull request #25793 from alexbry/backport-r-sun</td>
</tr>
</tbody>
</table>

### History

- **#1 - 2019-03-21 12:03 PM - Giovanni Manghi**
- Operating System deleted (MacOS X)
- Assignee set to Giovanni Manghi

#2 - 2019-05-23 06:13 AM - Alexander Bruy
- Assignee changed from Giovanni Manghi to Alexander Bruy
- Status changed from Open to In Progress

#3 - 2019-05-23 06:37 AM - Alexander Bruy
- Pull Request or Patch supplied changed from No to Yes

PR [https://github.com/qgis/QGIS/pull/10074](https://github.com/qgis/QGIS/pull/10074)

#4 - 2019-05-25 06:59 AM - Alexander Bruy
- Status changed from In Progress to Closed
- % Done changed from 0 to 100

Applied in changeset commit:qgis|ab646c4d75c6eac3c37cfa8a284191040048ffe8.