## QGIS Application - Bug report #21637

**r.sun cannot be executed because it calls on two incompatible options**

**2019-03-21 11:16 AM - vince -**

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Alexander Bruy</td>
</tr>
<tr>
<td>Category:</td>
<td>Processing/GRASS</td>
</tr>
<tr>
<td>Affected QGIS version:</td>
<td>3.6.0</td>
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<tr>
<td>Regression?:</td>
<td>No</td>
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<tr>
<td>Easy fix?:</td>
<td>Yes</td>
</tr>
<tr>
<td>Resolution:</td>
<td></td>
</tr>
<tr>
<td>Copied to github as #:</td>
<td>29453</td>
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### 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

**Revision ab646c4d - 2019-05-23 09:13 AM - Alexander Bruy**

[processing] split `r.sun` into two algorithms as it has mutually exclusive options (fix #21637)

**Revision 121a92df - 2019-05-25 06:59 AM - Alexander Bruy**

Merge pull request #10074 from alexbruy/grass-r-sun

[processing] split GRASS `r.sun` algorithm into two (fix #21637)

**Revision f17accf1 - 2019-05-25 07:04 AM - Alexander Bruy**

[processing] split `r.sun` into two algorithms as it has mutually exclusive options (fix #21637)

(cherry picked from commit ab646c4d75c6eac3c37cfa6a284191040048fe8)

**Revision de0544c1 - 2019-05-25 12:49 PM - Alexander Bruy**

Merge pull request #25793 from alexbruy/backport-r-sun

[processing] split GRASS `r.sun` algorithm into two (fix #21637)

### 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|ab646c4d75c6eac3c37cfa6a284191040048ffe8.