Using the raster calculator in processing, using a simple expression (for example "Aspect@1" > 0) results in an invalid output raster. The same expression with the same input works as expected using the raster calculator under Raster.

To reproduce:
1. Processing>raster terrain analysis>aspect, use srtm_41_19.tif for input, leave the rest default (this successfully creates aspect)
2. Processing>raster analysis>raster calculator, select the created aspect layer for input, use eg "Aspect@1" > 0

Result:
output file seems invalid, under information from provider is shows
STATISTICS_VALID_PERCENT=0
AREA_OR_POINT=Area

I cannot reproduce on master, can you try on latest master?

Btw, some steps are missing between 1 and 2: unless you select "Reference layers" (or set all parameters) the algorithm a point 2 will fail.

Indeed, downloaded the nightly on Windows and now it works as expected...I guess it is advisable to test potential bugs on master before submitting a bug report :). Glad it works!
<table>
<thead>
<tr>
<th>Files</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>srtm_41_19.tif</td>
<td>1.06 MB</td>
<td>2019-01-16</td>
<td>Janneke van Dijk</td>
<td></td>
</tr>
</tbody>
</table>