

## QGIS Application - Bug report #16483

### delimited driver - multipoint from WKT fails for geometries where all longitudes are negative

2017-04-28 03:27 PM - Steven Kay

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Nyall Dawson	
<b>Category:</b> Data Provider/OGR	
<b>Affected QGIS version:</b> 2.18.3	<b>Regression?:</b>
<b>Operating System:</b> ubuntu	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 24391
<b>Description</b>	
<p>when loading in a delimited file with WKT geometry of type MultiPoint, geometries are invalid if all longitude values are negative. QGIS 2.18.3.</p> <p>code samples here on gis stack exchange : <a href="https://gis.stackexchange.com/a/238583/55203">https://gis.stackexchange.com/a/238583/55203</a></p> <p>this seems to be restricted to the delimited text provider; it works fine with shapefiles and geoJSON. If I split the multipoints into distinct point geometries, or use linestrings, it works.</p> <p>It doesn't seem related to line length (truncation), geometry direction or the dateline issue (values of +/-180 or +/-90 for longitude and latitude).</p> <p>I've also tried shuffling the points at random, applying jitter (to rule out issues with mixed int/float parsing).</p> <p>It seems to be an import issue, not a rendering/projection issue.</p>	

#### Associated revisions

##### Revision ef6c8be1 - 2017-04-30 12:23 AM - Nyall Dawson

Fix import WKT of the format MultiPoint (-20 -90, -20 -88 )

Should technically be MultiPoint ((-20 -90), (-20 -88)), but it's nice to be forgiving and accept as wide a range of WKT formats as possible

Fix #16483

##### Revision fad23dda - 2017-05-09 03:56 AM - Nyall Dawson

Fix import WKT of the format MultiPoint (-20 -90, -20 -88 )

Should technically be MultiPoint ((-20 -90), (-20 -88)), but it's nice to be forgiving and accept as wide a range of WKT formats as possible

Fix #16483

(cherry-picked from ef6c8b)

## History

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### #1 - 2017-04-28 04:11 PM - Nyall Dawson

- Status changed from Open to Feedback

Can you share a portion of the file you're using?

### #2 - 2017-04-28 05:07 PM - Nyall Dawson

- Assignee set to Nyall Dawson

Confirmed - the issue stems from MultiPoint WKT of the format

MultiPoint (-20 -90, -20 -88 )

The format

MultiPoint ((-20 -90),(-20 -88))

works correctly.

Fix incoming

### #3 - 2017-04-30 11:16 AM - Giovanni Manghi

- Status changed from Feedback to Open

- Description updated

### #4 - 2017-04-30 04:33 PM - Nyall Dawson

- % Done changed from 0 to 100

- Status changed from Open to Closed

Applied in changeset commit:qgis|ef6c8be16f86fe3cc2363c92ed032b35db1f3d7d.