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

Status:	Closed			
Priority:	Normal			
Assignee:	Nyall Dawson			
Category:	Data Provider/OGR			
Affected QGIS version:	2.18.3	**Regression?:**		
Operating System:	ubuntu	**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**		
Crashes QGIS or corrupts data:		**Copied to github as #:**	24391	

Description

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.

code samples here on gis stack exchange : https://gis.stackexchange.com/a/238583/55203

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.

It doesn't seem related to line length (truncation), geometry direction or the dateline issue (values of +/-180 or +/-90 for longitude and latitude).

I've also tried shuffling the points at random, applying jitter (to rule out issues with mixed int/float parsing).

It seems to be an import issue, not a rendering/projection issue.

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)

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it's nice to be forgiving and accept as wide a range of WKT
formats as possible

Fix #16483

(cherry-picked from ef6c8b)

History

#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.