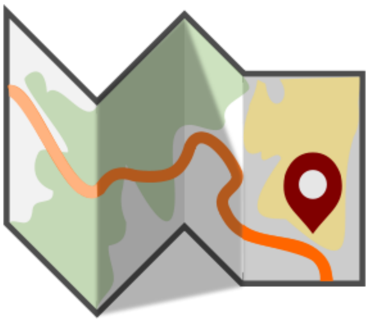
Importing Spreadsheets or CSV files

QGIS Tutorials and Tips



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Translations by

Whyjay Zheng

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□□ GIS □□□□ Excel □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ QGIS □□□□□□□

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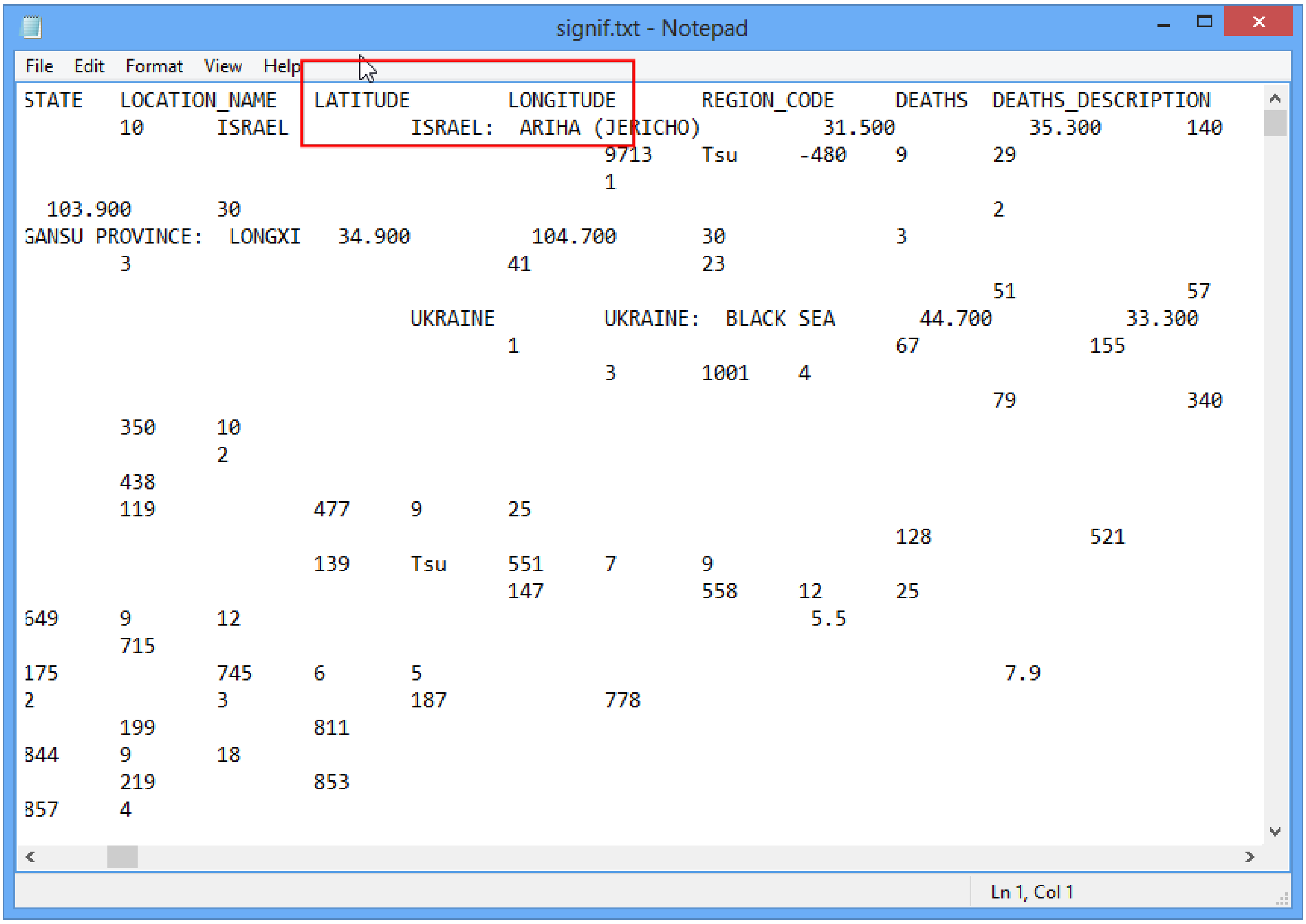
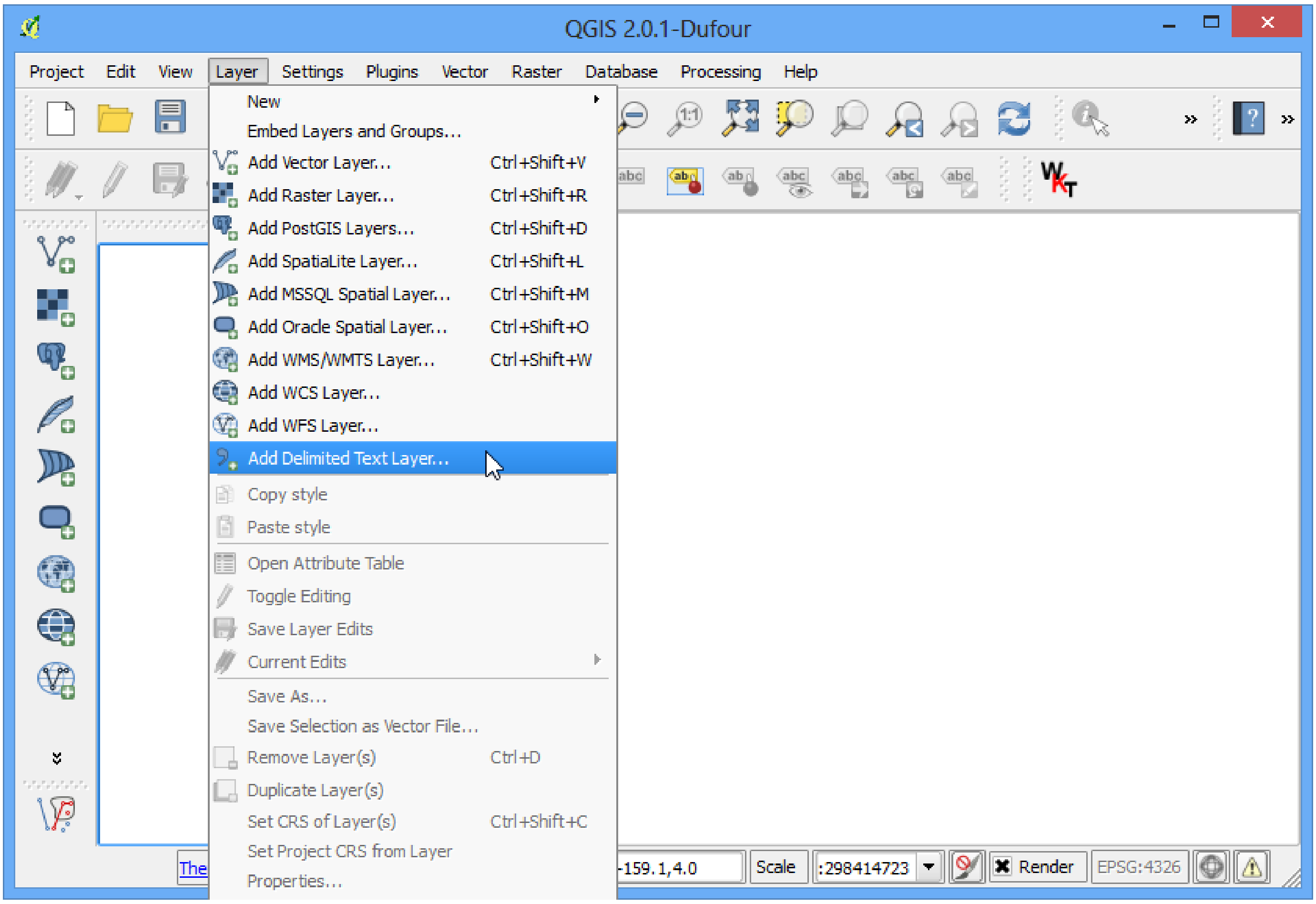
1. □□□□□□□□□ QGIS □□□□□□□□□□ 2 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Excel□□□□□□□□□□□□□□□□□□□□□Tab □□□□□□□□□□□□ (CSV)□□ TAB □□□□□□□□□□□□□□□□□□□□□□□□□□


signif.txt - Notepad
File
Edit
Format
View
Help
Ln 1, Col 1

```
STATE    LOCATION_NAME    LATITUDE        LONGITUDE       REGION_CODE     DEATHS   DEATHS_DESCRIPTION
         10       ISRAEL           ISRAEL:  ARIHA (JERICHO)          31.500            35.300        140
                                                   9713     Tsu      -480     9        29
                                                   1
  103.900        30                                                                    2
GANSU PROVINCE:  LONGXI   34.900           104.700       30              3
         3                                41                23
                                                                                       51              57
                                  UKRAINE         UKRAINE:  BLACK SEA      44.700            33.300
                                          1                                67               155
                                                   3        1001     4
                                                                                       79              340
         350      10
                  2
         438
         119              477     9       25
                                                                         128              521
                          139     Tsu     551     7        9
                                          147              558      12       25
649      9        12                                                5.5
         715
175               745     6       5                                                     7.9
2                 3               187              778
         199              811
844      9        18
         219              853
857      4
```

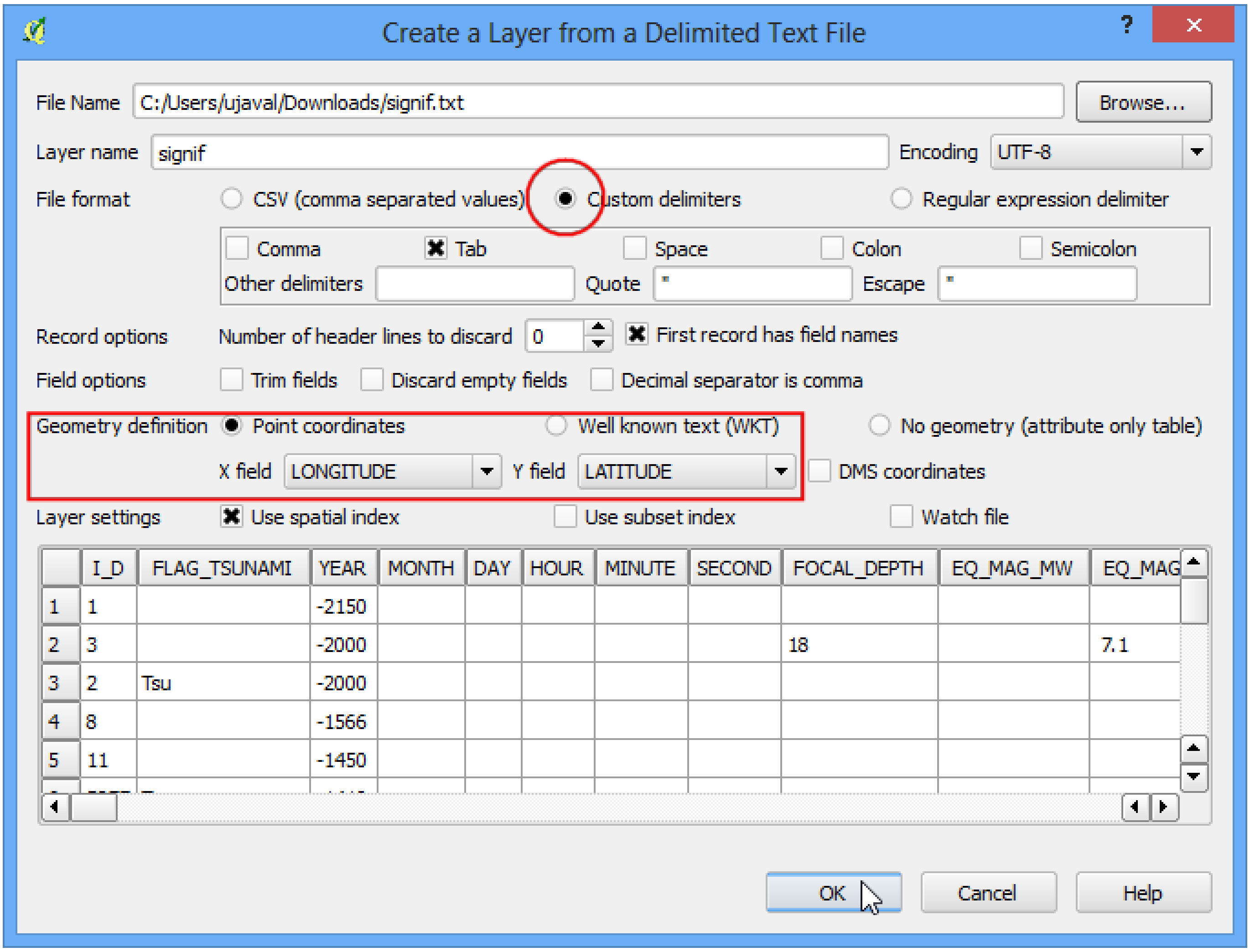
2. □□ QGIS□□□ □□ › □□□□□□□□□


QGIS 2.0.1-Dufour
Project
Edit
View
Layer
Settings
Plugins
Vector
Raster
Database
Processing
Help
New
Embed Layers and Groups...
Add Vector Layer... Ctrl+Shift+V
Add Raster Layer... Ctrl+Shift+R
Add PostGIS Layers... Ctrl+Shift+D
Add SpatiaLite Layer... Ctrl+Shift+L
Add MSSQL Spatial Layer... Ctrl+Shift+M
Add Oracle Spatial Layer... Ctrl+Shift+O
Add WMS/WMTS Layer... Ctrl+Shift+W
Add WCS Layer...
Add WFS Layer...
Add Delimited Text Layer...
Copy style
Paste style
Open Attribute Table
Toggle Editing
Save Layer Edits
Current Edits
Save As...
Save Selection as Vector File...
Remove Layer(s) Ctrl+D
Duplicate Layer(s)
Set CRS of Layer(s) Ctrl+Shift+C
Set Project CRS from Layer
Properties...
The
-159.1,4.0
Scale
:298414723
Render
EPSG:4326

3. □□□□□□□□□□□ □□□□□□□□□ □□ □□□□□□□□□□□□□□□ □□□□ □□□□□ □□□□□□□□□□□ □□□`□Tab□□□ :guilabel:`□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□ X □ Y □□□□□□□□□□□□□□□□□□□ LONGITUDE □ LATITUDE□□□□□□□□□□□□□□□□□□□□□□□□□ □□ □□□

Note

X □ Y □□□□□□□□Y □□□□□□□□□□□□□□□□ X □□□□□□□□□□□□



File Name C:/Users/ujaval/Downloads/signif.txt

Layer name signif

Encoding UTF-8

File format ○ CSV (comma separated values) ● Custom delimiters ○ Regular expression delimiter

☐ Comma ☒ Tab ☐ Space ☐ Colon ☐ Semicolon

Other delimiters Quote " Escape "

Record options Number of header lines to discard 0 ☒ First record has field names

Field options ☐ Trim fields ☐ Discard empty fields ☐ Decimal separator is comma

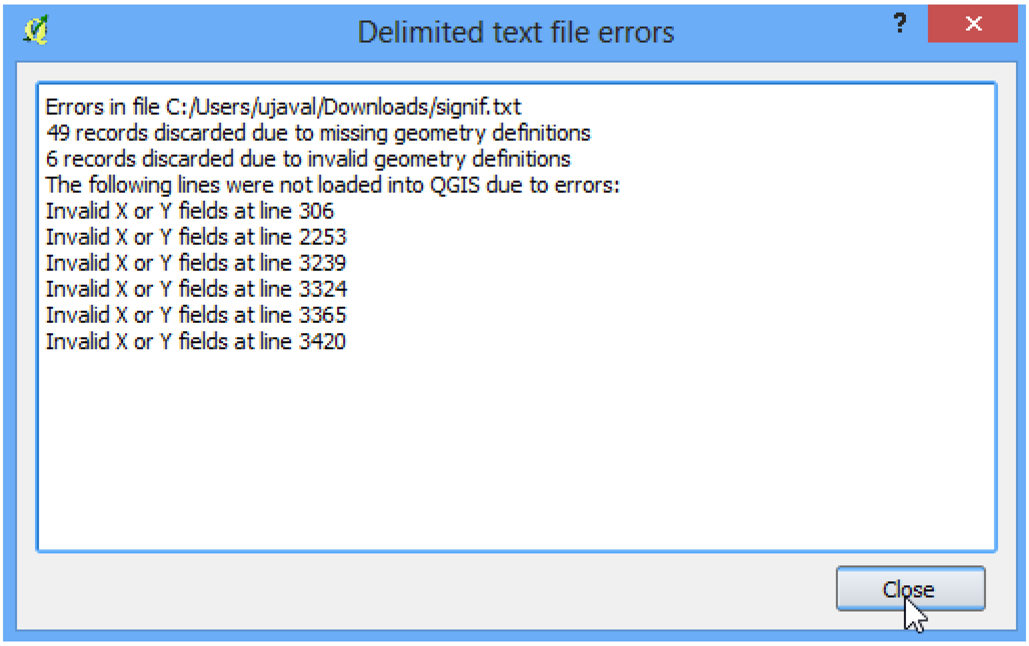
Geometry definition ● Point coordinates ○ Well known text (WKT) ○ No geometry (attribute only table)

X field LONGITUDE Y field LATITUDE ☐ DMS coordinates

Layer settings ☒ Use spatial index ☐ Use subset index ☐ Watch file

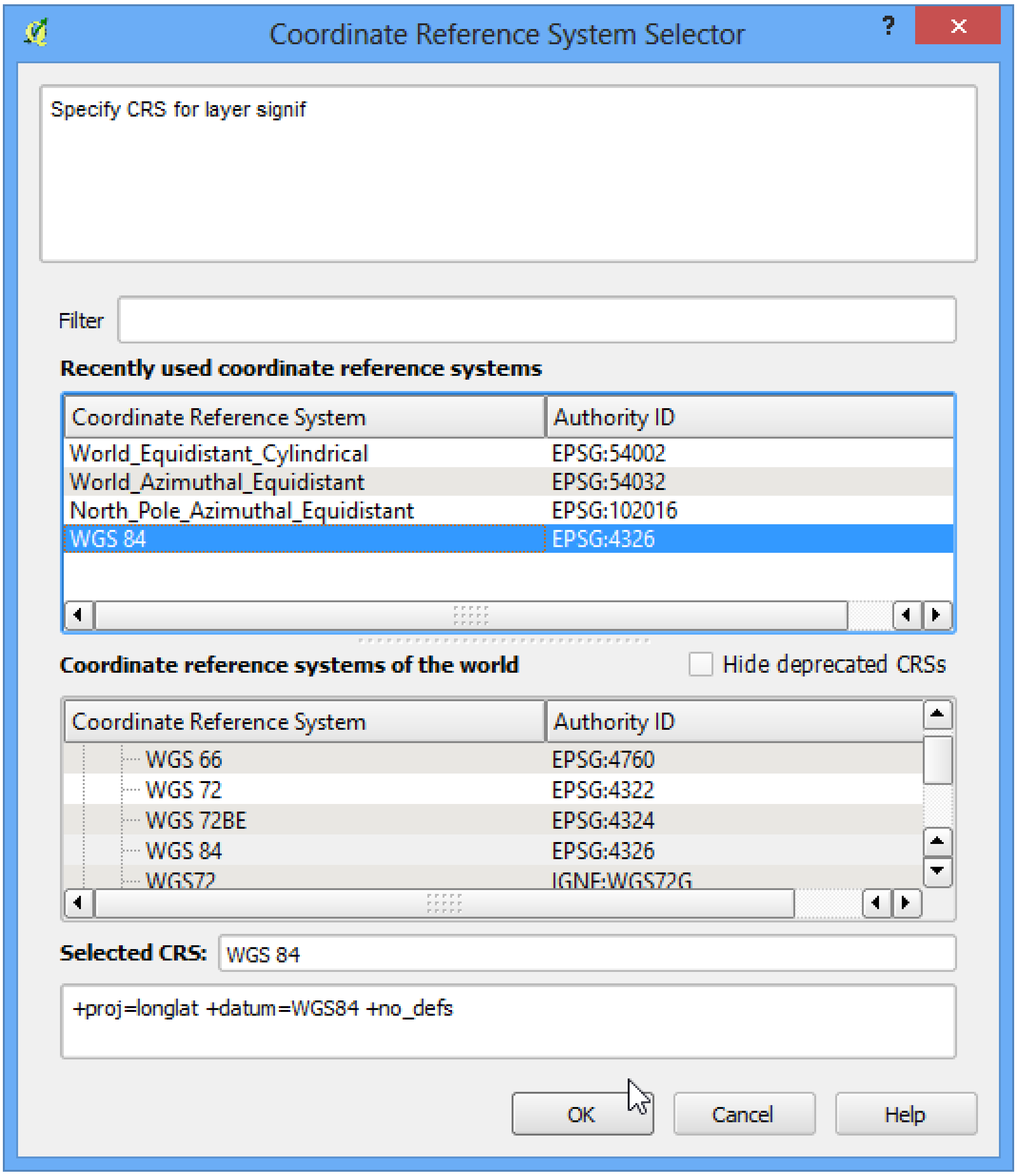
	I_D	FLAG_TSUNAMI	YEAR	MONTH	DAY	HOUR	MINUTE	SECOND	FOCAL_DEPTH	EQ_MAG_MW	EQ_MAG
1	1		-2150								
2	3		-2000						18		7.1
3	2	Tsu	-2000								
4	8		-1566								
5	11		-1450								

4. □□□□□□□□□□□□□□□□□□□□□□□□ X □ Y □□□



Errors in file C:/Users/ujaval/Downloads/signif.txt
49 records discarded due to missing geometry definitions
6 records discarded due to invalid geometry definitions
The following lines were not loaded into QGIS due to errors:
Invalid X or Y fields at line 306
Invalid X or Y fields at line 2253
Invalid X or Y fields at line 3239
Invalid X or Y fields at line 3324
Invalid X or Y fields at line 3365
Invalid X or Y fields at line 3420

5. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
CRS□□□□□□□□□□□□□□□□□□□□□□□ ***WGS 84***□□□□□ □□□


Coordinate Reference System Selector

Specify CRS for layer signif

Filter

Recently used coordinate reference systems

Coordinate Reference System	Authority ID
World_Equidistant_Cylindrical	EPSG:54002
World_Azimuthal_Equidistant	EPSG:54032
North_Pole_Azimuthal_Equidistant	EPSG:102016
WGS 84	EPSG:4326

Coordinate reference systems of the world ☐ Hide deprecated CRSs

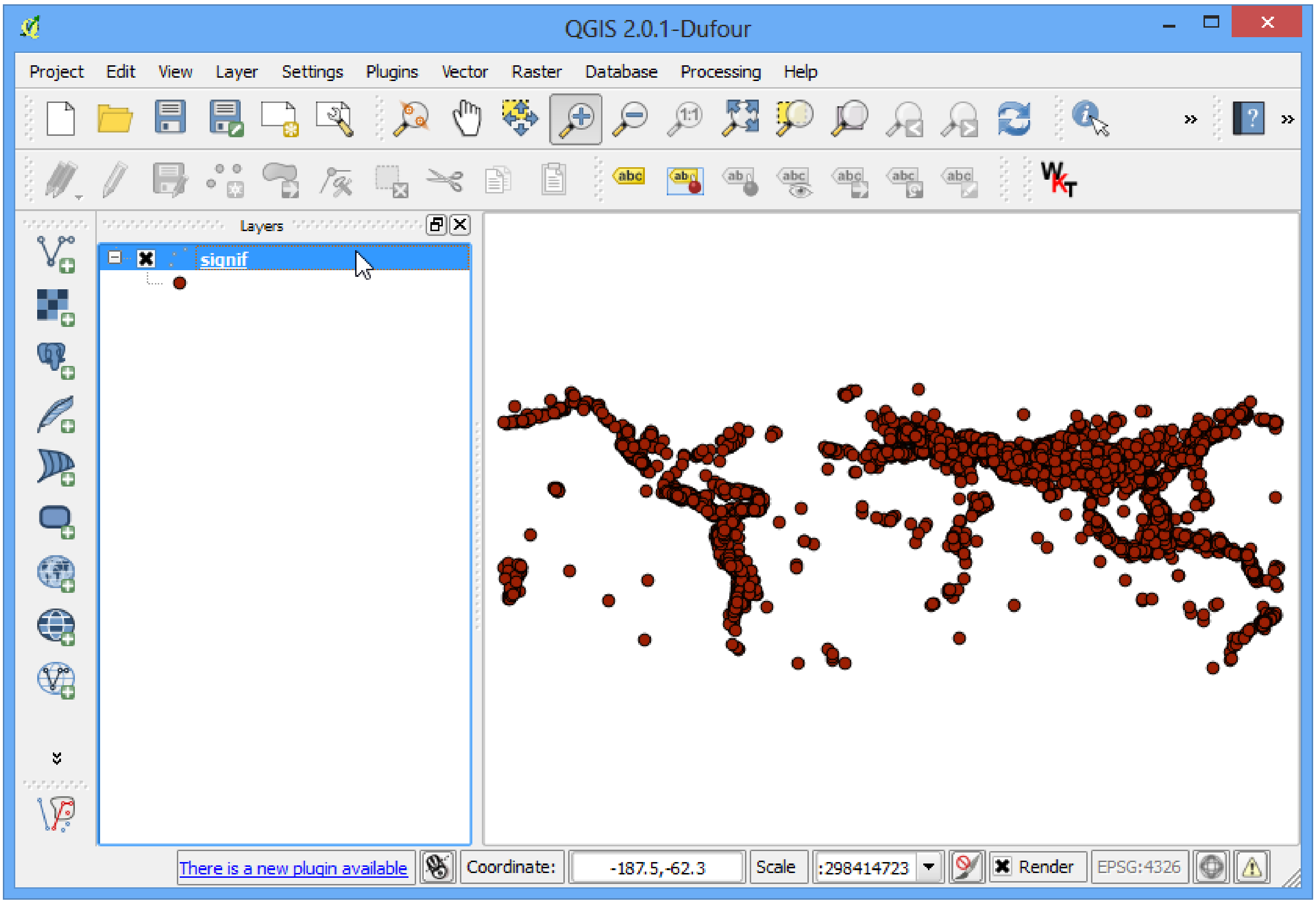
Coordinate Reference System	Authority ID
WGS 66	EPSG:4760
WGS 72	EPSG:4322
WGS 72BE	EPSG:4324
WGS 84	EPSG:4326
WGS72	IGNF:WGS72G

Selected CRS: WGS 84

+proj=longlat +datum=WGS84 +no_defs

OK
Cancel
Help

6. □□□□□□□□□□□□□□□□□ QGIS □□□□□


QGIS 2.0.1-Dufour
Project
Edit
View
Layer
Settings
Plugins
Vector
Raster
Database
Processing
Help
Layers
signif
There is a new plugin available
Coordinate:
-187.5,-62.3
Scale
:298414723
Render
EPSG:4326