

Importing Spreadsheets or CSV files

QGIS Tutorials and Tips



Author

Ujaval Gandhi

<http://google.com/+UjavalGandhi>

Translations by

Phondanai Khanti

CSV

GIS Excel
/

QGIS

NOAA's National Geophysical Data Center
2150
Learn more.

Significant Earthquake Database
[NGDC]

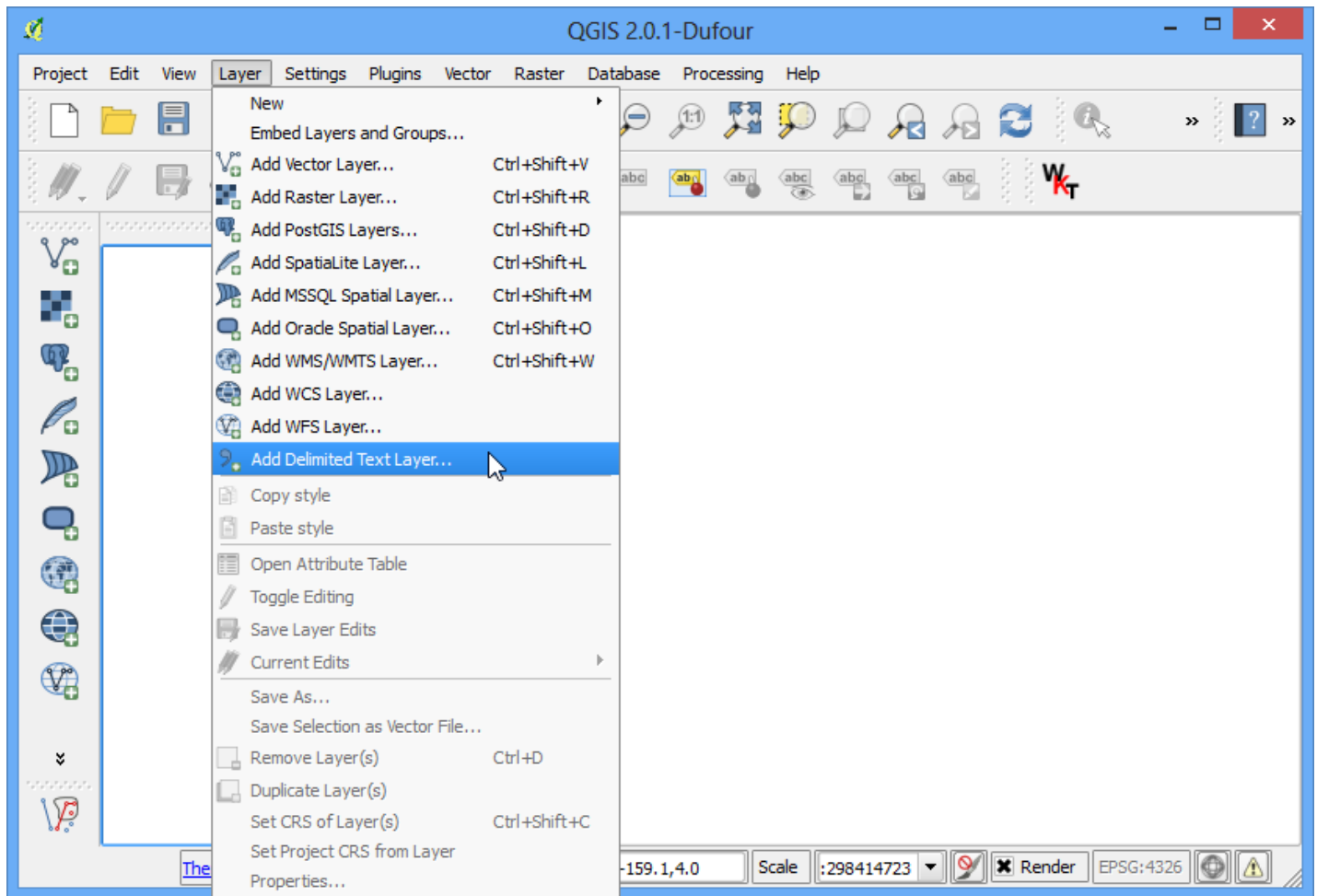
1. QGIS
2
X Y
Save As Tab Delimited File Comma Separated Values (CSV)
Notepad
Significant Earthquake Database

signif.txt - Notepad

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				2
103.900	30					
GANSU PROVINCE:	LONGXI	34.900	104.700	30	3	
3		41	23			
		UKRAINE	UKRAINE: BLACK SEA	44.700	51	57
		1		67	155	
		3	1001	4		
					79	340
350	10					
	2					
438						
119		477	9	25		
		139	Tsu	551	7	9
				147	558	12
549	9	12			5.5	25
	715					
175		745	6	5		7.9
2		3	187		778	
	199		811			
844	9	18				
	219		853			
857	4					

Ln 1, Col 1

2. □□□□ QGIS □□□□□□□□□□□□□□□□□□□□ Layers ▸ Add Delimited Text Layer



3. Create a Layer from a Delimited Text File
- File format Custom delimiters Tab Geometry definition
- X Y
- LONGITUDE LATITUDE
- OK

Note

X Y

Y

X

File Name Browse...

Layer name 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 ☒ First record has field names


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

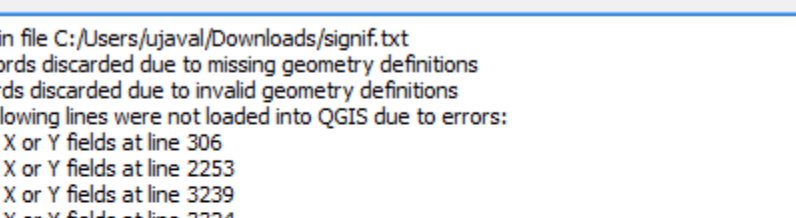
Geometry definition ☒ Point coordinates ☐ Well known text (WKT) ☐ No geometry (attribute only table)

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. 



Delimited text file errors

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

Close

-
- 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

- [illegible]

