

# Importing Spreadsheets or CSV files

QGIS Tutorials and Tips



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Translations by

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GIS 2024 00 00 00000000 000 000. 00 00/0000 0000 00 0000  
GIS000000 00 000 0 0000.



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NOAA's [National Ocean Service](#) reports that 2150 people were killed in the 2004 Indian Ocean tsunami. [Learn more.](#)

Download [Significant Earthquake Database](#) text file.

□□□ □□ [NGDC]

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1. 000 000 0000 000000. 0 0000 QGIS 00 0000 0000 000000 00 00000. 000 000 X, Y000 000 00 2000 00000. 00000000000 00 00000 '00 0000 00 Save As'000 0000 **Tab Delimited File** 00 `Comma Separated Values (CSV)` 0 000 000. 00 00 0 000 0000 000 000 000000 00 000 00000000 000 000 000 0 0000. 000000000 0000 00 00 0000000 000 000000 0000 0000 000000000. 0 000 000 0000 000 0 0 0000.

The screenshot shows a Notepad window with the file 'signif.txt'. The text content is as follows:

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		
		139	Tsu	551	7	9
				147		558
					12	25
					5.5	
549	9	12				
	715					
175		745	6	5		7.9
2		3	187		778	
	199		811			
844	9	18				
	219		853			
857	4					

2. QGIS ☐ ☐ :menuselection: `Layers --> Add Delimited Text Layer` ☐ ☐☐☐☐.



3. Create a Layer from a Delimited Text File ☐ Browse ☐ ☐ ☐  
☐ ☐ ☐ ☐. :guilabel:`File format`☐ :guilabel:`Custom delimiters`☐  
☐ ☐ :guilabel:`Tab`☐ ☐ ☐. :guilabel:`Geometry definition`☐ ☐ X,  
Y☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐. ☐ \*LONGITUDE\*☐ \*LATITUDE\*☐. ☐  
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐. :guilabel:`OK`☐ ☐ ☐.

### Note

X Y Latitude - \*\*Y\*\*  
Longitude - \*\*X\*\*

**Create a Layer from a Delimited Text File**

File Name:

Layer name:  Encoding:

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:  Y field:  ☐ 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□□□ □□□ □□ □□□□□□. □ □□□□□ □□□ □□□□ □□□ □ □□□□. □□□□ □□□ □□□□□ □□□□□□.

**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

5. □□□□ :guilabel: `Coordinate Reference System Selector` □□ □□□ CRS□ □□□□ □□□□. □□ □□□ □□□ □□□□□ `WGS 84`□ □□□□ :guilabel: `OK`□ □□□□□□.



6. □□□ □□□□ □□□□□ QGIS□□□□ □□□□ □□ □ □ □□ □□□□.

