

## File Format - Parameters

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There are two additional parameters that can be specified in a Project File. Each one is specified by a special character. The information is terminated with a semicolon “;”. Here is a list of the parameters:

**1. UTM Convergence.** Convergence is an angle value that is used to align the cave map to the [UTM grid](#). [Click here](#) for detailed information on Convergence. The Convergence Angle parameter begins with either a percent sign (%) or a star (\*) and ends with a semicolon (;). The convergence value is found inside the delimiters and can be any ASCII fixed or floating point number. For example:

Example: %12.34;

Example: \*12.34;

The percent sign (%) symbol indicates that file-level convergence is enabled. The star (\*) symbol indicates that the file-level convergence is disabled.

**2. UTM Zone.** The [UTM coordinate system](#) divides the world up into zones. This parameter allows you to specify the zone that will be used for the fixed stations defined in the project file. The Zone parameter begins with a dollar sign (\$) and ends with a semicolon (;). The Zone value is found inside the dollar-semicolon pair and can be any ASCII integer value. For example:

Example: \$12;

**3 Project Parameters.** These parameter specifies a series flags that are saved with the Project file. As such, when they are enabled, they override the lower level options and settings.

The flag string begins with an Exclamation Point (!) and ends with a Semicolon (;) Here is a list of the flags:

**1. "G" or "g".** This flag controls whether all settings are globally overridden by projects settings. A capital letter enables the option; lower case disables it.

**2. "I", "E", "A".** This flag controls how declinations are derived and processed. An "I" indicates that Declinations are ignored. An "E" indicates that the declinations entered in the survey book should be used and an "A" indicates they should be calculated from the survey date and the geographic location.

**3. "V" or "v".** This flag indicates whether UTM convergence should be applied to the data. A capital letter enables the option; lower case disables it.

**4. "O" or "o".** This flag controls overriding LRUD association settings. If the flag is set to capital "O." all other methods of controlling the LRUD associations are overridden.

**5. "T" or "t".** This flag specifies how the LRUD associations are overridden if the "O" flag is set. If the flag is set to capital "T," all surveys are compiled with the LRUDs associated with the "To" stations. If the flag is set to lower case "t", all surveys are compiled with the LRUDs associated with the "From" station.

**6. "S" or "s".** This option indicates whether shot flags are applied. A capital letter enables the option; lower case disables it.

**7. "X" or "x".** This option indicates whether the "X" total exclusion flags are applied. A capital letter enables the option; lower case disables

**8. "P" or "p".** This option indicates whether the "P" plotting exclusion flags are applied. A capital letter enables the option; lower case disables

**9. "L" or "l".** This option indicates whether the "P" length exclusion flags are applied. A capital letter enables the option; lower case disables

**10. "C" or "c".** This option indicates whether the "C" close-exclusion flags are applied. A capital letter enables the option; lower case disables it.

Example: ***!GAVOTSCXPL;***

For detailed information on the parameters, refer to the [Settings Overview](#).