

The phase dialog box

This dialog box contains the elements phase name, sign and type of onset, reliability of phase identification, type of event, quality scaling and additional parameters. It is used for selecting properties of a phase before picking it on a trace (using the left mouse button). Once a phase has been picked, its properties cannot be changed any more. The phase must be deleted (by double-clicking on it) and defined again with changed properties. Clicking on a phase copies all of its property settings into the phase dialog box. Phases may be shifted in time just by dragging it with the left mouse button.

Phase name

The phase name is defined by the editable text field in the upper part of the dialog box. The name may be edited directly, any phase name may be used, it is not checked by the program. For convenience the most common phases are available also in two option menus above the text field, one for local phases and one for teleseismic phases. The selected phase name from this option menus is copied into the text field. The phase **beam** is a special (pseudo-)phase which is used for array techniques.

Sign of phase

Three radio buttons below the phase name field select the sign of the picked phase. **+** is positive onset, **-** is negative onset and **0** is undefined onset (this is default).

Onset Spec

The type of onset is selected with this two radio buttons. **e** stands for emergent onset (default), **i** for impulsive.

Reliability

Here you can indicate how reliable your phase identification is. **y** means the phase is identified reliably, **n** means the phase name is a guess. In the second case the phase name will be put in parantheses on all text output.

Event type

Selects type of source. Possible choices are **other** (default), **mining** (mining event), **blast** (quarry blast), **nucl** (nuclear explosion), **tele** (teleseismic event), **regio** (regional event), **local** (local event).

Quality factor

This is an integer number between **1** and **9**. Quality factor **1** means very poor quality of phase, **9** means very good quality. Phases with quality factor of **1** are not used for location processes.

More - Onset Accuracy

By default a phase selection just marks a time point on the trace, there is no information about possible reading errors. This option enables display or definition of available accuracy information. If switched to

Query after each phase pick a time interval around this pick must be indicated (also by left mouse click). A value of **Display** just displays already available accuracy information.

More - Event Publication

Selects whether a phase should be marked for bulletin publication. **Ignore** means no phases are marked, **Telex Ref-Station** means only phases of the reference station are marked, **Telex All** means all phases are marked.

Button Rename

Used for renaming already picked phases. The phase renaming has to be done in two steps. Put the name of the phases you want to rename into the text edit field of the phase dialog box and click the **Rename** button. All phases of the given name will change to **???**. Then put the new name of the phases into the text field and again click **Rename**. All **???** will change to the new name. Please note that all phases having the new name already before the renaming action will be deleted.

Button Del

Deletes all phases with name given in the phase name text field.

back to [documentation index](#)