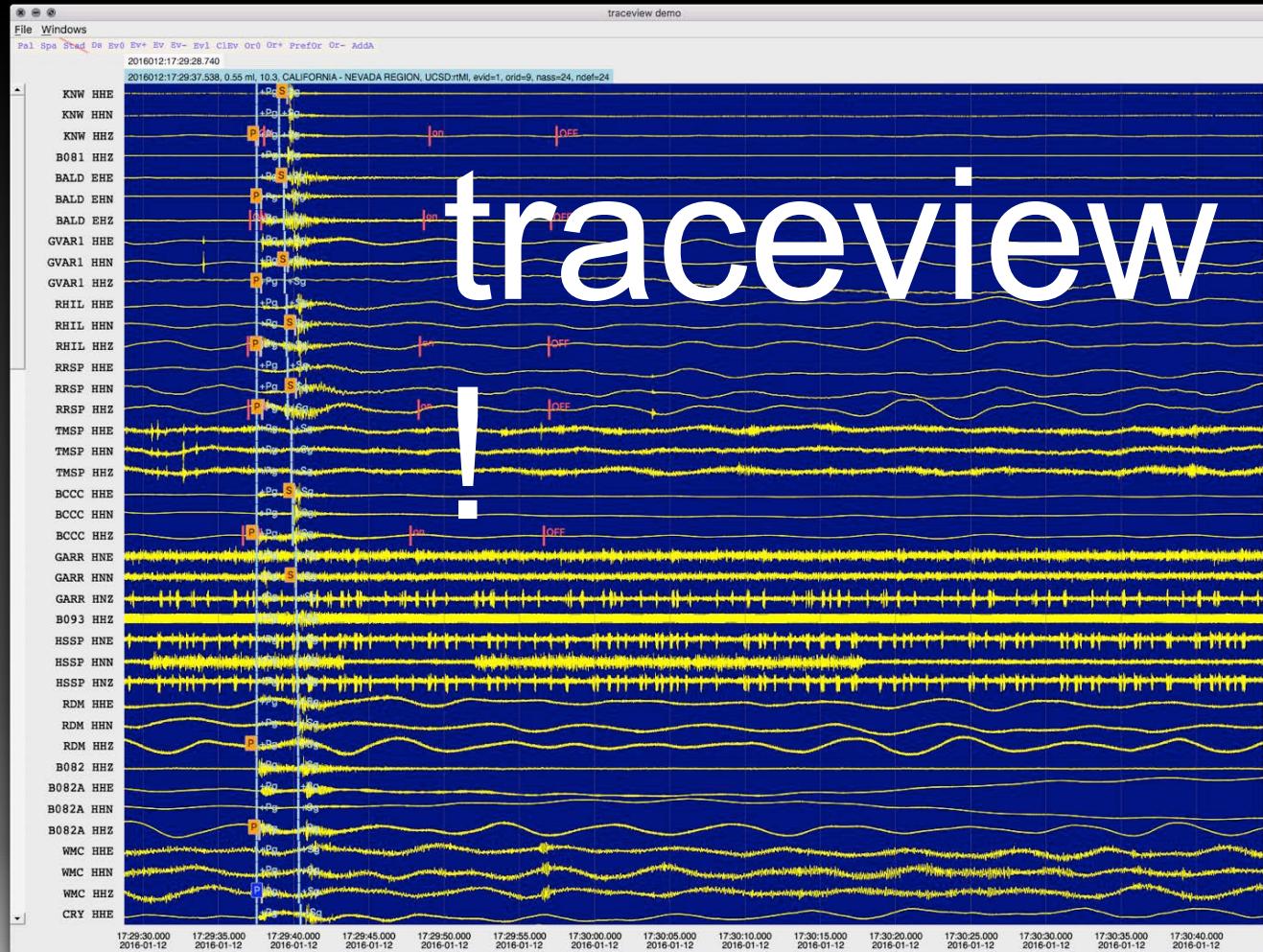


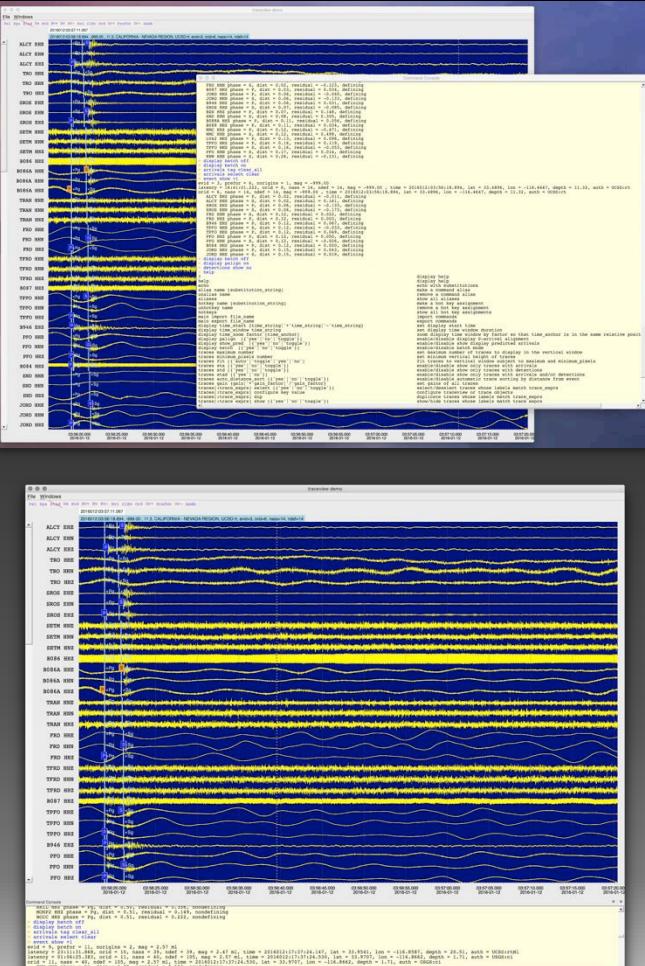
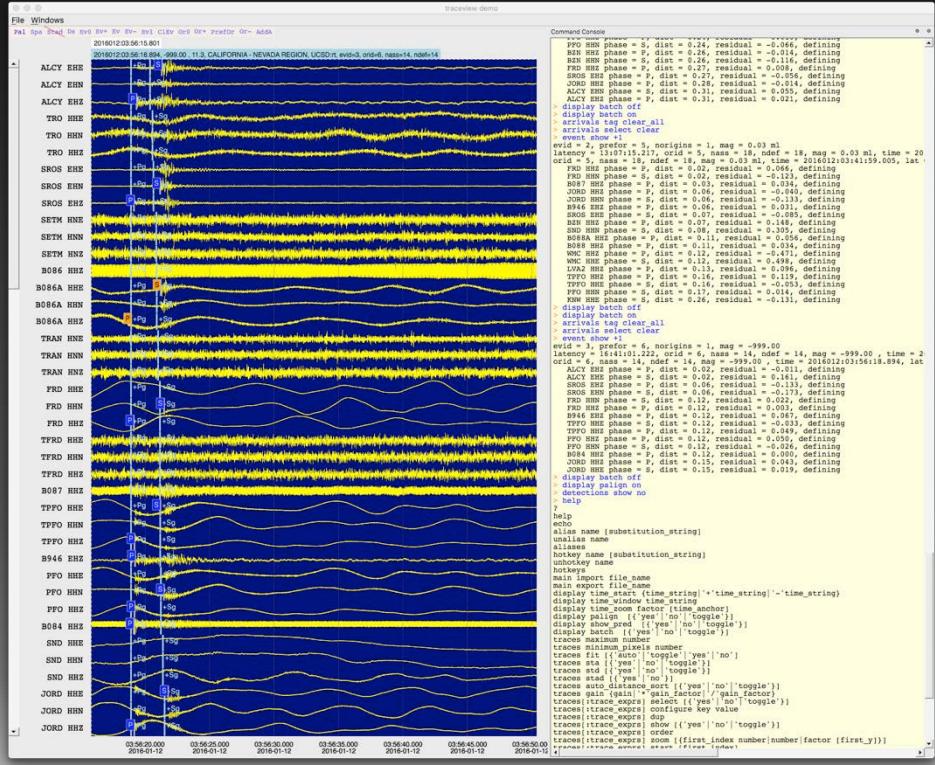
traceview

a user's introduction

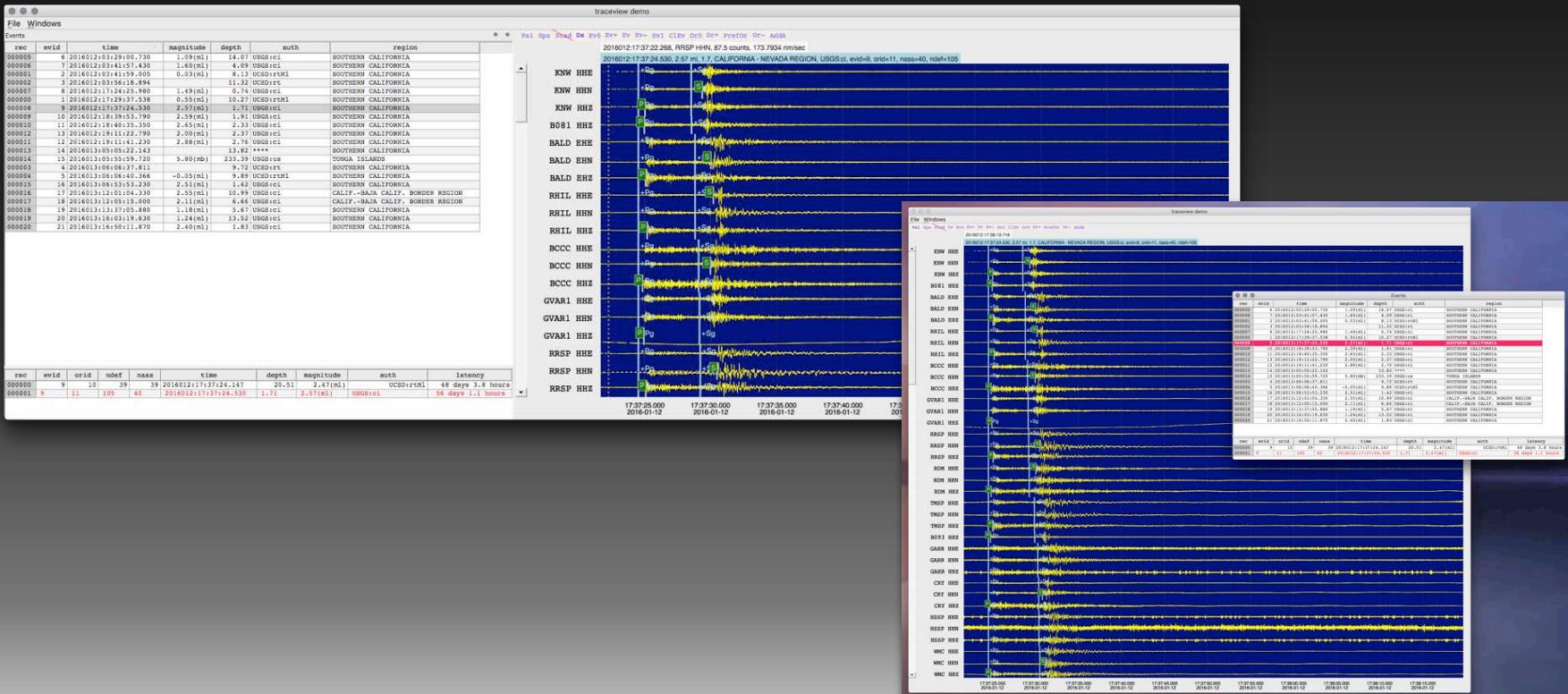




Command console



Events + origins tables



Command console

```
help
?
help
echo
alias name [substitution_string]
unalias name
aliases
hotkey name [substitution_string]
unhotkey name
hotkeys
main import file_name
main export file_name
display time_start {time_string}+'time_string'-'time_string'
display time_zoom time_string
display time_anchor [time_string]
display align {'yes'|'no'|'toggle'}
display show_pred {'yes'|'no'|'toggle'}
display batch {'yes'|'no'|'toggle'}
traces maximum number
traces minimum pixels number
traces fit {'auto'|'toggle'|'yes'|'no'}
traces sta {'yes'|'no'|'toggle'}
traces std {'yes'|'no'|'toggle'}
traces std yes | no
traces auto_distance sort {'yes'|'no'|'toggle'}
traces gain (gain)*'gain_factor'|'/gain_factor'
traces[:trace_expr] select {'yes'|'no'|'toggle'}
traces[:trace_expr] configure key value
traces[:trace_expr] dup
traces[:trace_expr] show {'yes'|'no'|'toggle'}
traces[:trace_expr] order
traces[:trace_expr] zoom {[first_index number|number|factor [first_y]}}
traces[:trace_expr] start [first_index]
traces[:trace_expr] stretch factor
traces[:trace_expr] color [color_string]
traces[:trace_expr] color_background [color_string]
traces[:trace_expr] linewidth [linewidth]
traces[:trace_expr] filter ['TPAD' time pad ]filter_string ['#' filter_label]
traces[:trace_expr] units {[source|counts|sm]}
traces[:trace_expr] scale {[fixed|abtom|atop|auto|}
arrivals edit mode {'yes'|'no'|'toggle'}
arrivals select {'clear'|'arrival'|'yes'|'no'|'toggle'}
arrivals add_mode {'yes'|'no'|'toggle'}
arrivals copy ['clear']
arrivals paste [don't_paste_tags] time_string
arrivals phase phase_string
arrivals tag ('clear'|'clear_all'|'associated'|tag_string)
arrivals output {'tagged'|'selected'}
arrivals edit queue clear
arrivals edit queue undo ['all'|number]
arrivals edit queue redo ['all'|number]
arrivals edit queue setstate name
arrivals edit queue gotostate name
arrivals[:trace_expr] show {'yes'|'no'|'toggle'}
detections[:trace_expr] show {'yes'|'no'|'toggle'}
event show [index]'+incr'|'-incr'|'evid'|'noev'
origin show [index]'+incr'|'-incr'|'o|rid'|'pref'

Command Console
display help
display help
echo with substitutions
make a command alias
remove a command alias
show all aliases
make a hot key assignment
remove a hot key assignment
show all hot key assignments
import commands
export commands
set display start time
set display end time duration
zoom display time window by factor so that time_anchor is in the same relative position
enable/disable display F-arrival alignment
enable/disable show display predicted arrivals
enable/disable batch mode
set maximum number of traces to display in the vertical window
set minimum vertical height of traces
fit traces to vertical window subject to maximum and minimum_pixels
enable/disable show only traces with arrivals
enable/disable show only traces with detections
enable/disable showing traces with arrivals and/or detections
enable/disable automatic trace sorting by distance from event
set gains of all traces
select/deselect traces whose labels match trace_exprs
configure traceview or trace objects
duplicate traces whose labels match trace_exprs
show/hide traces whose labels match trace_exprs
order and show traces whose labels match trace_exprs
zoom traces to first and last labels that match trace_exprs or to the specified indexes
pan traces to begin at first label that matches trace_exprs or to the specified index
stretch vertical heights of traces whose labels match trace_exprs
set foreground color of traces whose labels match trace_exprs
set background color of traces whose labels match trace_exprs
set linewidth of traces whose labels match trace_exprs
set filter of traces whose labels match trace_exprs
set units of traces whose labels match trace_exprs
set vertical scale factor of traces whose labels match trace_exprs
enable/disable arrivals edit mode
clear selected arrivals or enable/disable selected arrival
enable/disable interactive add arrivals mode
copy selected arrivals into clipboard or clear clipboard
paste arrivals in clipboard
set selected arrivals phase to phase string
add to tag_string to selected arrivals or clear selected arrivals tags or clear all arrivals tags
output a list of arids and association status for tagged or selected arrivals
clear edit queue
undo edits
redo edits
set edit queue state
go to edit queue state
show/hide arrivals that match arrival_exprs
show/hide detections that match detection_exprs
show event
show origin
```

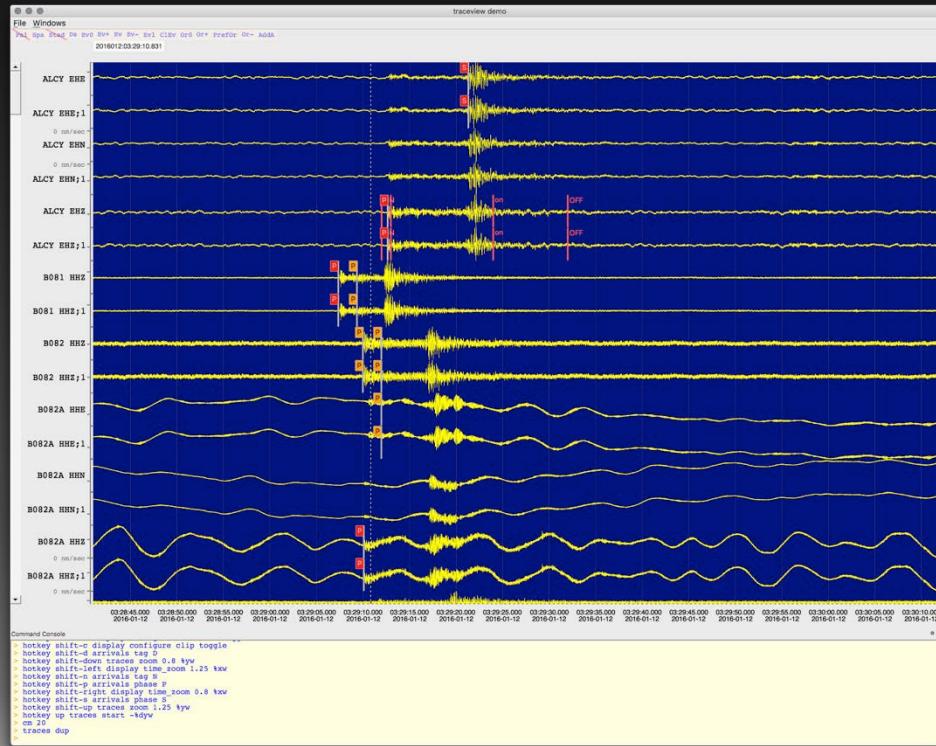
Default aliases

```
Command Console
> aliases
cm      traces maximum
cw      traces zoom
f       fit
fit     traces fit
ph      traces configure default_phase
stadon  traces stad on
z10
ta      arrivals tag associated
tc      arrivals tag clear_all
to      arrivals output tagged
ts      display time_start
tw      display time_window
z       traces zoom
z10    z 10
zs      traces:selected zoom
> |
```

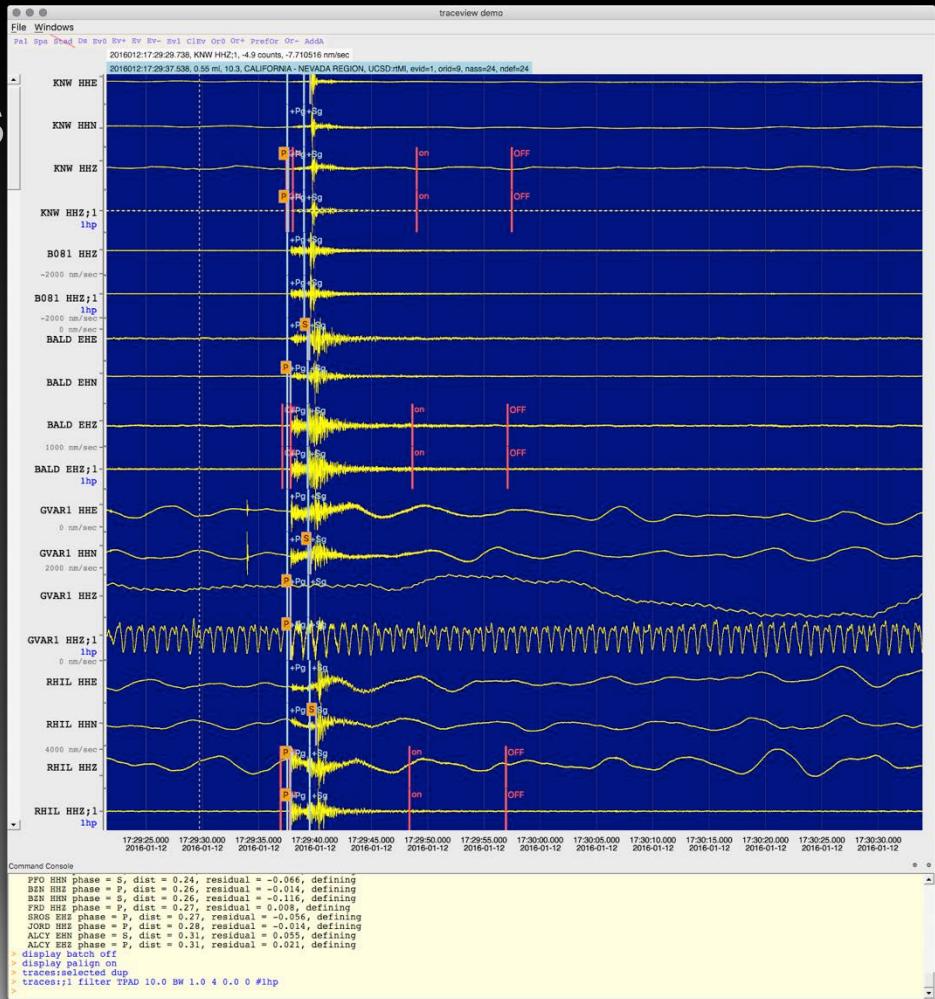
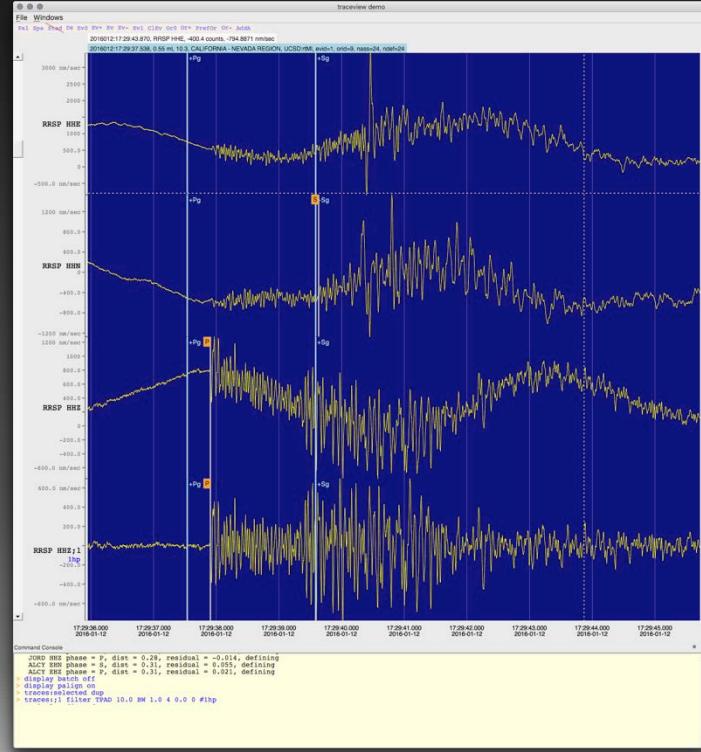
Default hotkeys

```
Command Console
> hotkeys
0      traces filter none
1      traces filter TPAD 100.0 BW 0.8 4 3.0 4 #tele
2      traces filter TPAD 10.0 BW 1.0 4 0.0 0 #1hp
3      traces filter TPAD 10.0 BW 5.0 4 0.0 0 #5hp
a      arrivals add_mode toggle
c      arrivals select clear
control-c    arrivals copy
control-down  traces gain *0.8
control-up   traces gain *1.25
control-v    arrivals paste %xw
control-x    echo time is %xw
delete      arrivals phase del
down        traces start +%dyw
e          arrivals edit_mode toggle
f          traces fit
left        display time_start +%dxw
n          traces filter none
p          traces configure default_phase P
right       display time_start -%dxw
s          traces configure default_phase S
shift-a     display configure antialias toggle
shift-c     display configure clip toggle
shift-d     arrivals tag D
shift-down   traces zoom 0.8 %yw
shift-left   display time_zoom 1.25 %xw
shift-n     arrivals tag N
shift-p     arrivals phase P
shift-right  display time_zoom 0.8 %xw
shift-s     arrivals phase S
shift-up    traces zoom 1.25 %yw
up         traces start -%dyw
> |
```

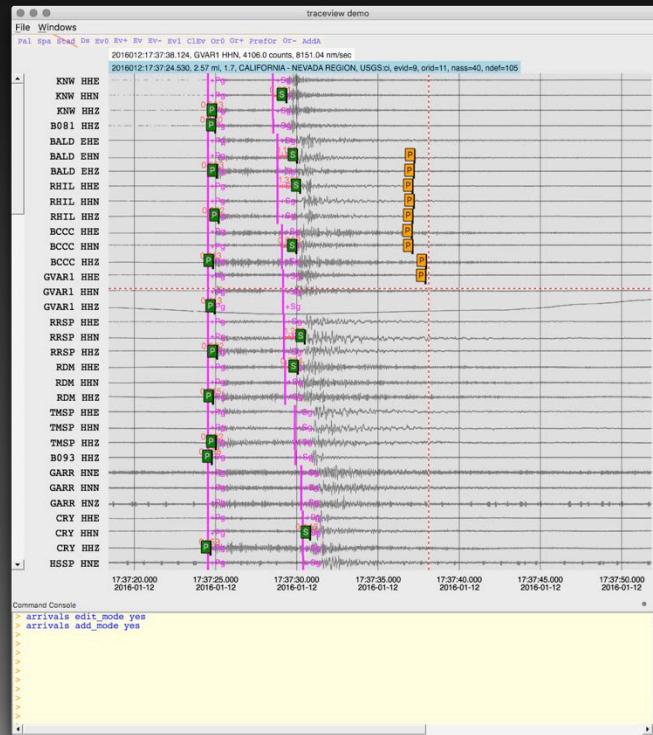
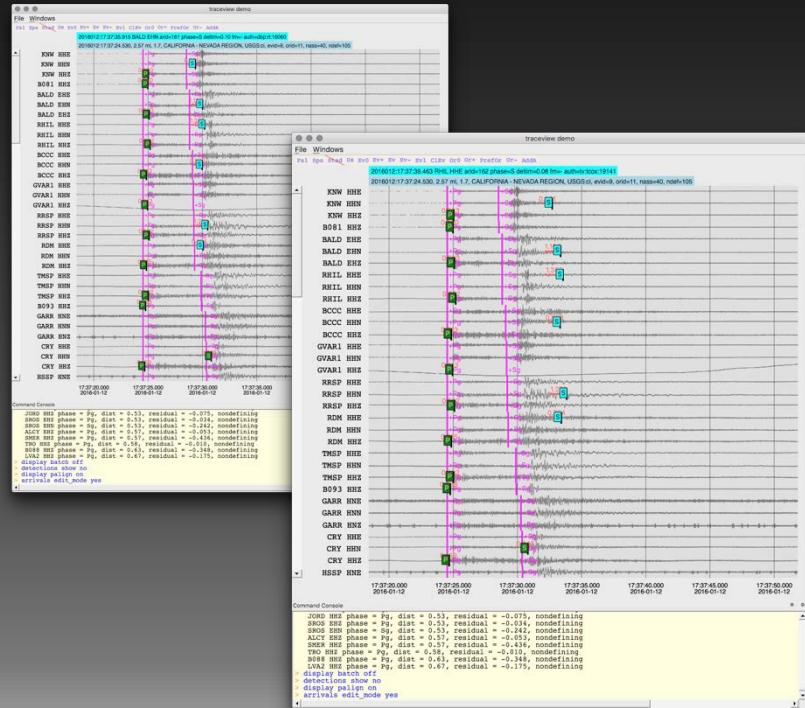
Trace duplication



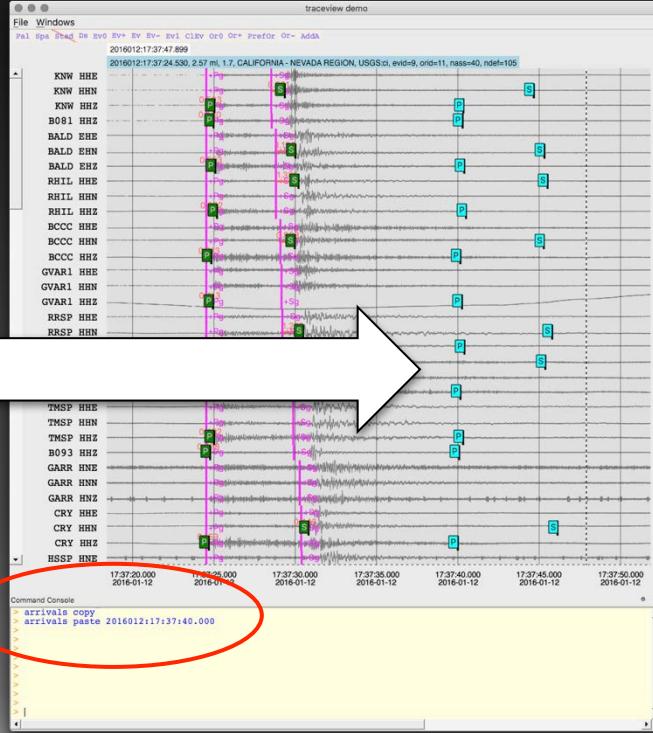
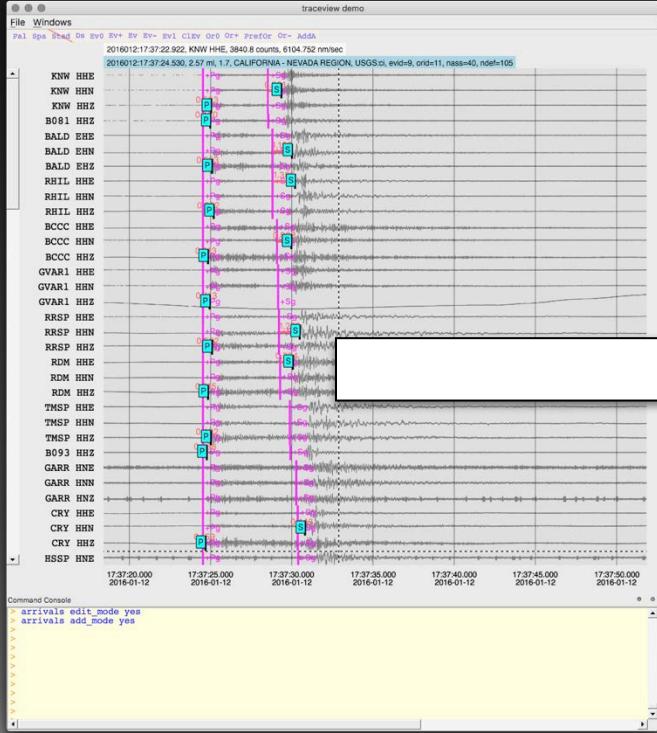
Filtering selected traces



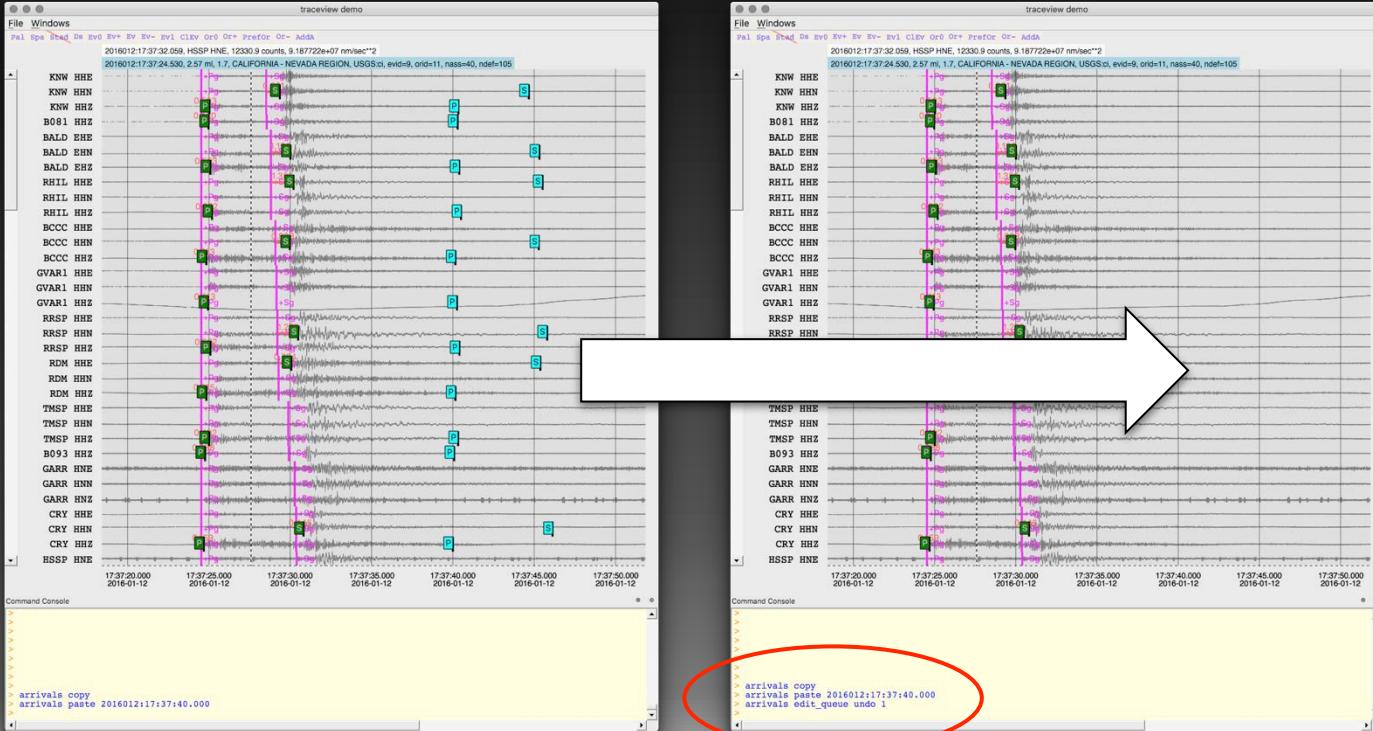
Arrivals edit + add mode



Arrivals copy/paste



Arrivals undo/redo



Parameter file editor

Expand all | Collapse all | Save as... | Options... |
 Allow value edits Show non-inline comments Show comments Show constraints Show source

key	value	comment
# This is the default traceview parameter file		
use_wheel	yes	# use mouse wheel or track pad gestures for panning display
max_traces	40	# maximum number of traces to display
max_events	1000	# maximum number of events to process
min_pixels_traces	10	# minimum pixel height per trace
auto_distance_sort	yes	# automatically sort traces by distance from event
predicted_phases	P,S	# phased for predicted arrivals
default_phase	P	# default phase code for new arrivals
preserve_time_scale_on...	yes	# preserve pixels per second horizontal scale on resize?
preserve_traces_scale_...	yes	# preserve pixels per trace vertical scale on resize?
auto_select_last_modif...	no	# automatically select last modified event?
# aliases contains command aliases		
+ aliases &Arr		
# hotkeys contains single character hot key aliases		
+ hotkeys &Arr		
# arrivals_menus contains arrivals editing menu items		
+ arrivals_menus &Arr		
# traceview_display_parameters contains colors, fonts and li		
+ traceview_display_para...		
# traceview_buttons_definitions contains definitions of task		
# Note that the buttons definitions are defined in BQTaskbar		
+ traceview_buttons_defi...		
# traceview_buttons specifies which task buttons are display		
# Note that the buttons are defined in BQTaskbar(3)		
+ traceview_buttons &Tbl		
# events_params define the parameters for the events tablevi		
+ events_params &Arr		
# origins_params define the parameters for the origins table		
+ origins_params &Arr		
pf_revision_time	1554476057	
auto_select_event	no	# automatically select event?

Expand all | Collapse all | Save as... | Options... |
 Allow value edits Show non-inline comments Show comments Show constraints Show source

key	value	comment
# traceview_display_parameters contains colors, fonts and linewidths for the traceview display windows		
+ main_display_arr...		# these are display parameters for the main window
color_main_bg...	#000000	# color of the main window background
color_main_fg...	#0000ff	# color of the main window foreground (traces color)
color_time_grids	#ff000000	# color of the time grid lines
linewidth_main...	1	linewidth used for trace plots
color_detection...	0.0,1.0,0.7	# color for detection flag text
color_detection...	0.0,1.0,0.7	# color for detection flag outline
linewidth_detect...	1	linewidth for detection flag
color_predicted...	magenta	# color for predicted arrival flag text
color_predicted...	#ff000000	# color for predicted arrival flag outline
linewidth_predic...	1	linewidth for predicted arrival flags
color_arrival_no...	black	# color for normal arrival flag text
color_arrival_no...	#ffcc0000	# color for normal arrival flag outline
color_arrival_no...	red	# color for normal arrival flag fill
color_arrival_no...	#0000ff	# color for normal arrival flag fill
color_arrival_no...	green	# color for normal arrival flag fill
color_arrival_no...	blue	# color for normal arrival flag fill
color_arrival_no...	lightblue	# color for normal arrival flag fill
color_arrival_no...	black	# color for selected arrival flag outline
color_arrival_no...	black	# color for selected arrival flag text
color_arrival_no...	cyan	# color for selected arrival flag fill
color_arrival_no...	lightcyan	# color for selected arrival flag fill
color_arrival_no...	red	# color for edited arrival flag text
color_arrival_no...	lightred	# color for edited arrival flag fill
color_arrival_no...	black	# color for defining arrival flag outline
color_arrival_no...	#ffcc0000	# color for defining arrival flag text
color_arrival_no...	black	# color for defining arrival flag fill
color_arrival_no...	blue	# color for defining arrival flag fill
color_arrival_no...	lightblue	# color for defining arrival flag fill
color_arrival_no...	black	# color for tagged defining arrival flag outline
color_arrival_no...	black	# color for tagged defining arrival flag text
color_arrival_no...	lightblue	# color for tagged defining arrival flag fill
color_arrival_no...	black	# color for tagged defining arrival flags
color_arrival_no...	black	# color for tagged non-defining arrival flag text
color_arrival_no...	lightgreen	# color for tagged non-defining arrival flag fill
color_arrival_no...	black	# color for tagged non-defining arrival flags
color_arrival_no...	black	# color for non-associated arrival flag text
color_arrival_no...	orange	# color for non-associated arrival flag fill
color_arrival_no...	lightorange	# color for non-associated arrival flag fill
color_arrival_no...	black	# color for non-associated arrival flags
color_arrival_no...	black	# color for arrival residual glyph outline
color_arrival_no...	black	# color for arrival residual glyph text
color_arrival_no...	black	# color for arrival residual glyphs fill
color_arrival_no...	#00ffff	# color for arrival reject expression applied to phase
color_arrival_no...	black	# arrival flag select expression applied to phase
color_arrival_no...	black	# arrival flag reject expression applied to phase

Status:

Live demonstration