The following summarize the results of the beam analysis using quicklook1b on Mars data.
The lower 5% of h.fits and v.fits (output of quicklook1b) are ignored while doing Gaussian fit of the beams.

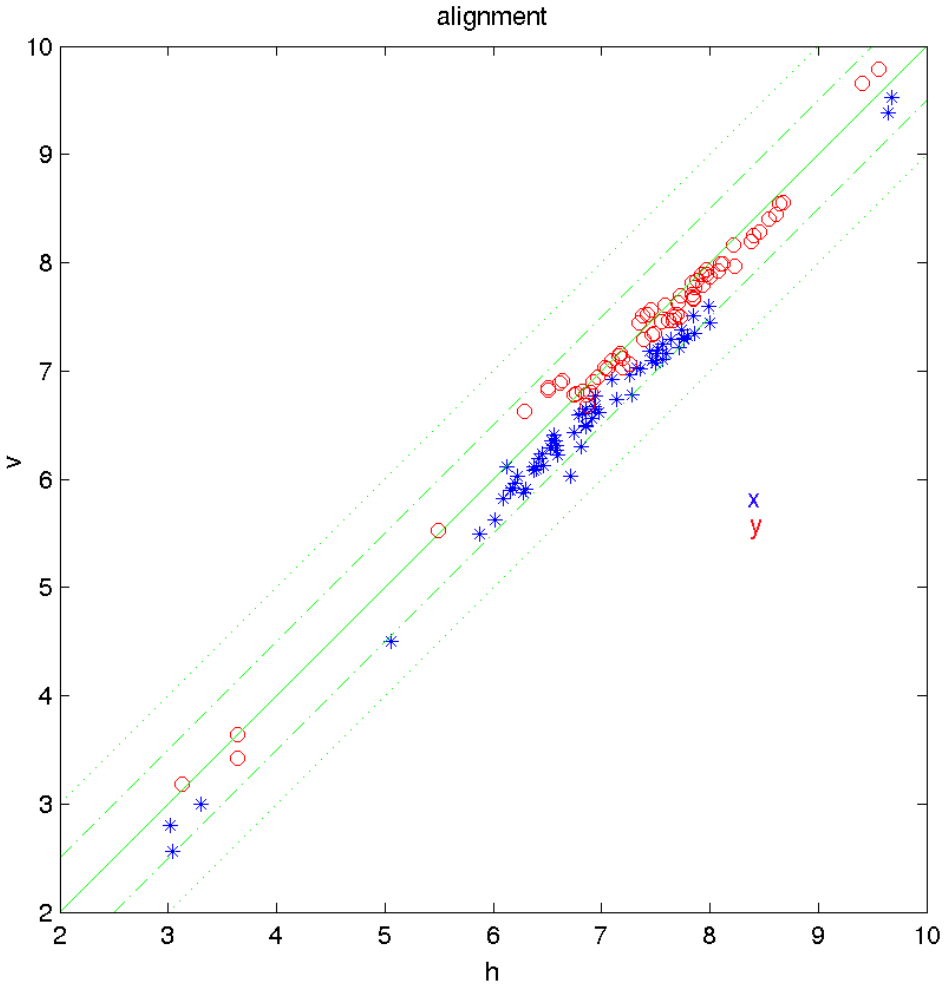

Fig. 1 h and v arrays are better aligned in y direction than in x, where the misalignment is about 0.25 ~ 0.5 pixel.

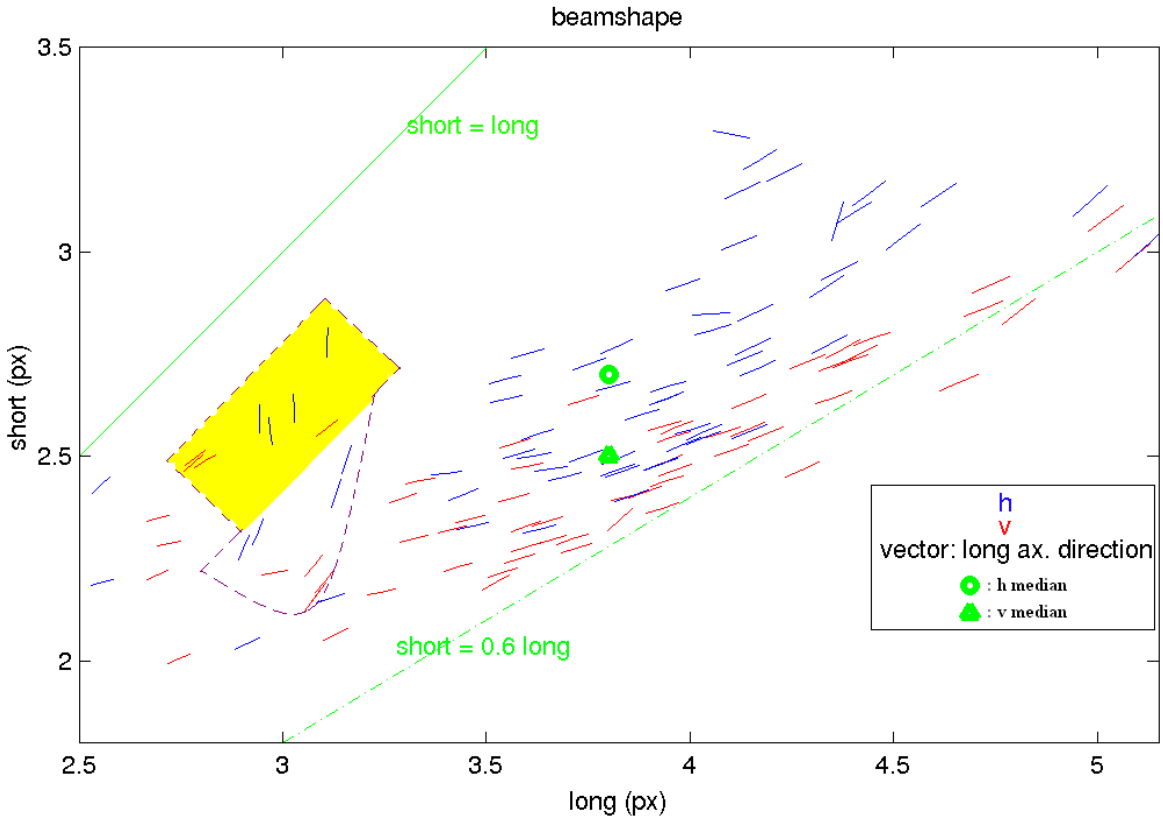

Fig. 2 (1) the mean beam size is ~ 3.2 pixels (the mean of the two medians)

.(2) most of the data are taken in Jan. 15th, except those inside the region defined by the purple dashed line, which are from Jan. 9th.

.(3) most of the data are taken with focus = 0.1, except those inside the yellow rectangle, whose focus = 0.

.(4) the long axis directions of the 15th data are pretty well aligned.

.(5) the beam size of the 15th gradually dropped; i.e. it moved from the upper right corner towered the lower left.

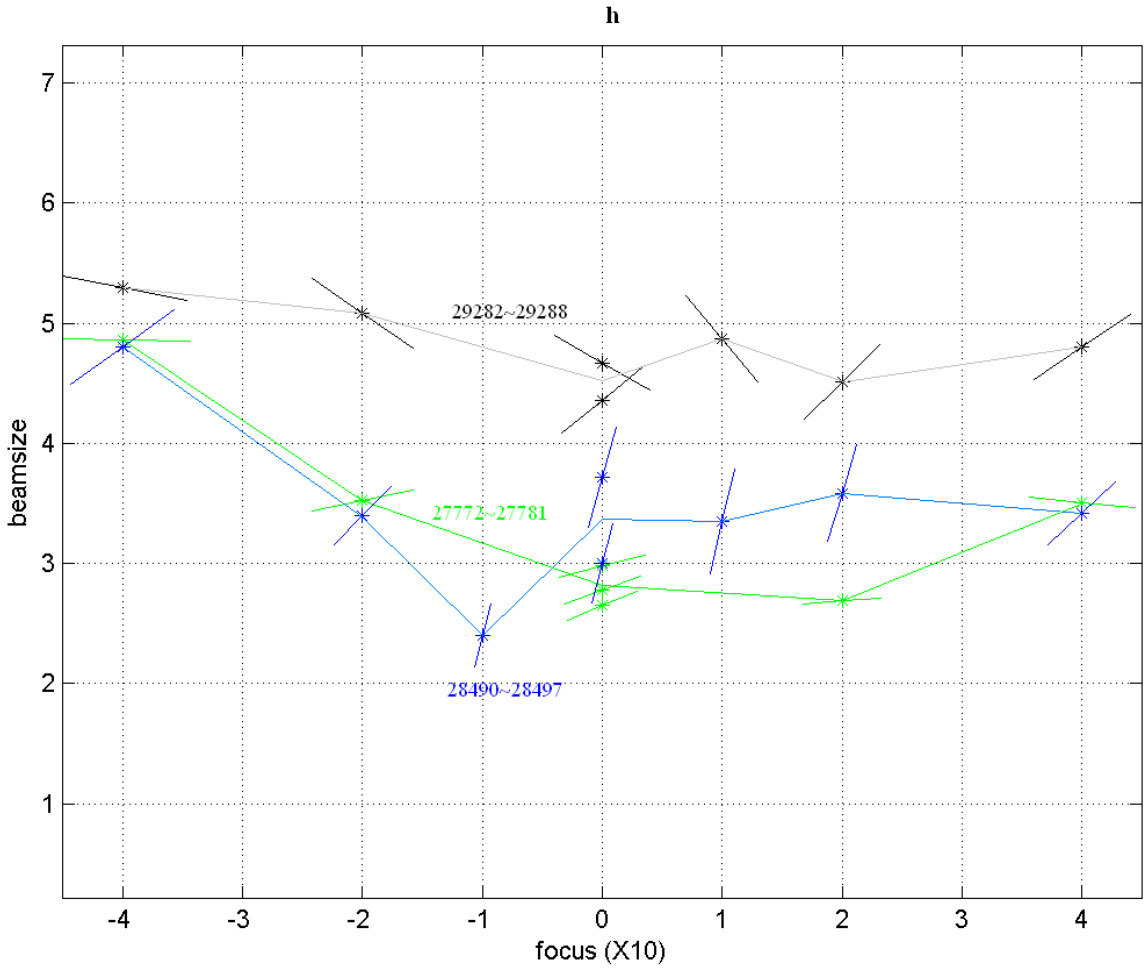

Fig. 3 (1) The system was focused at Jan 8th, 11th, and 14th. Here shows the h beam size (mean of short and long axes) vs. the position of the secondary.

.(2) The 14th focusing (black) was done in the scan mode, so this quicklook result doesn't mean much.

.(3) The vectors show the orientations of the long axes.

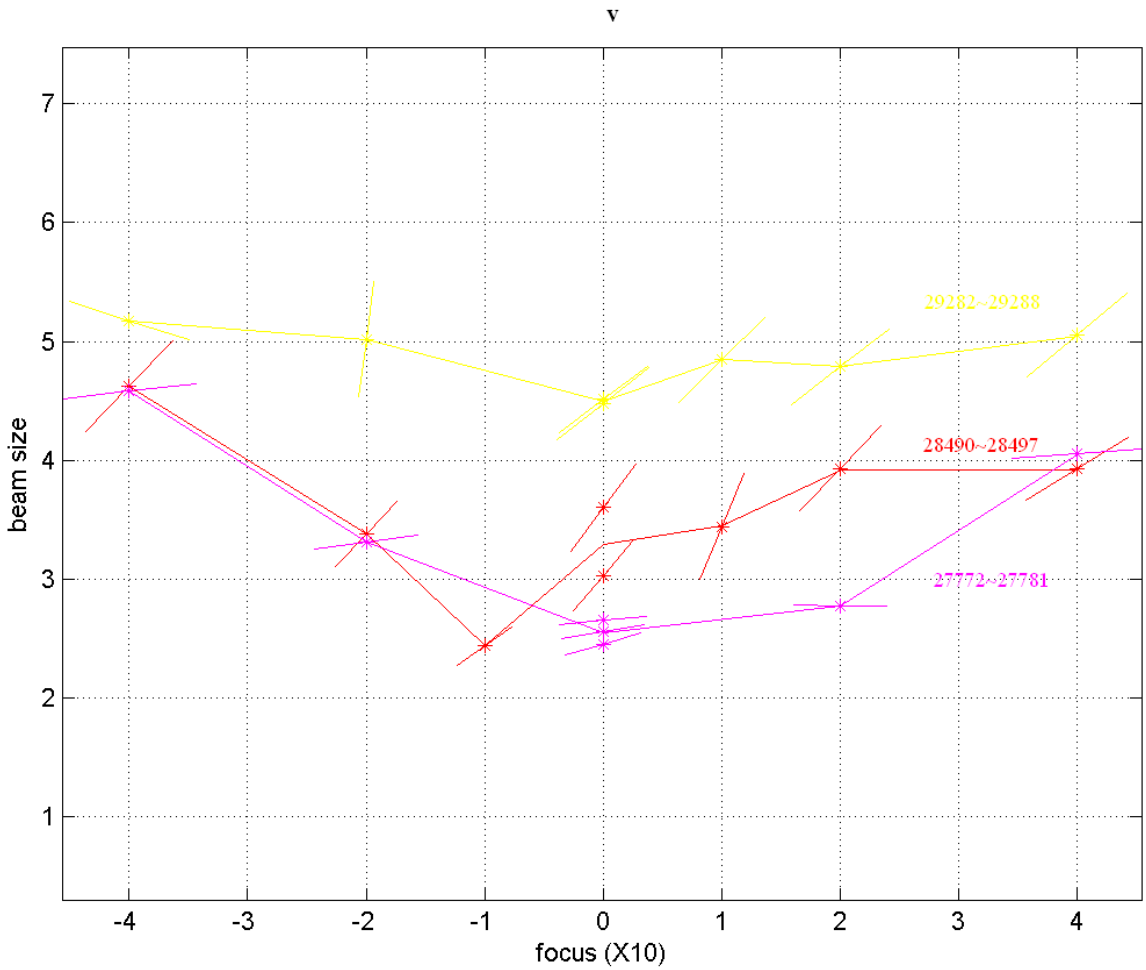

Fig. 4 Similar to figure 3 but for v.

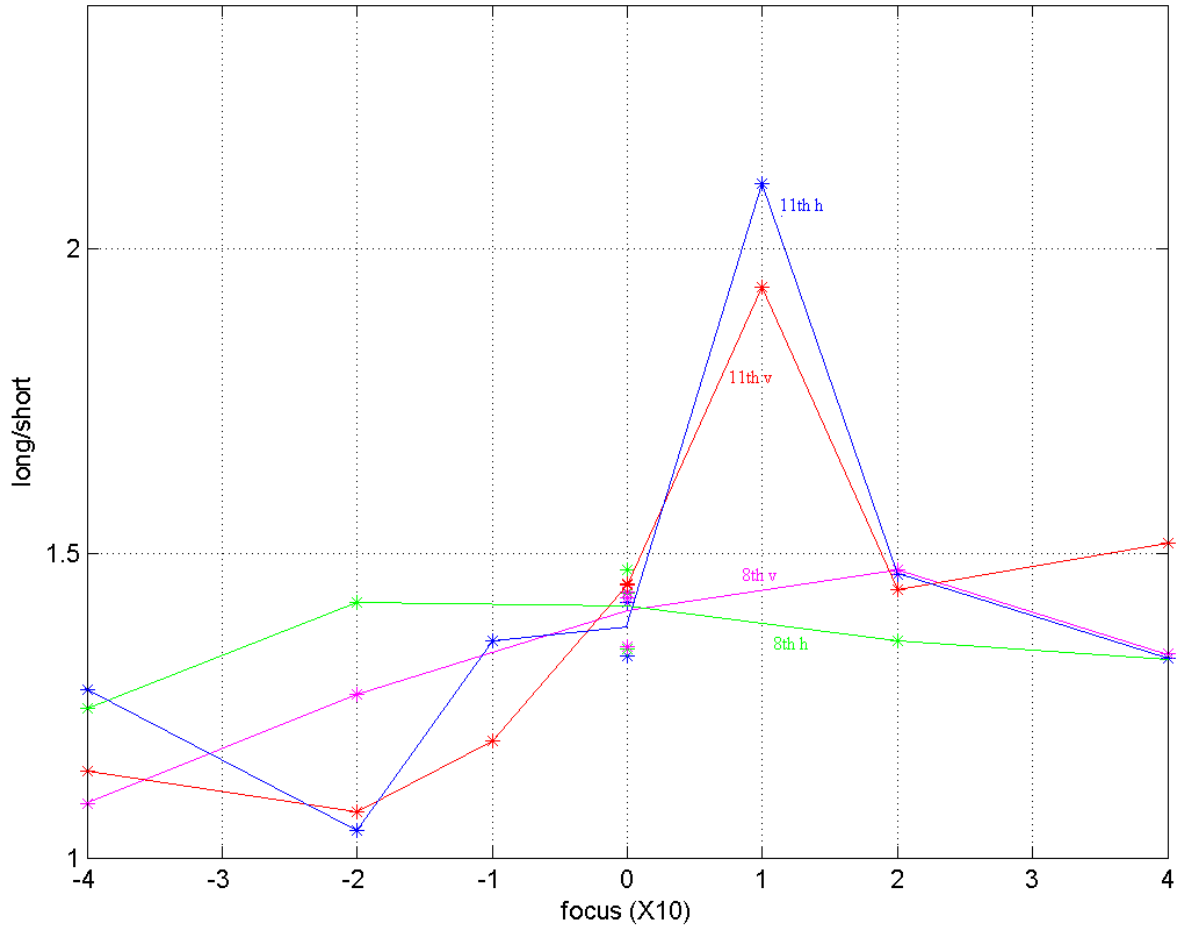

Fig. 5 The ratio of long and short axes vs. the secondary position.