







 \leftarrow As a test, we have been monitoring known triple system Kappa Peg with MIRC-X at CHARA. We compare our 8 MIRC-X epochs to that of a previous similar astrometric survey PHASES at the Palomar Testbed Interferometer (Muterspaugh et al, 2006). With MIRC-X/CHARA and

GRAVITY/VLTI our astrometric precision is orders of magnitude better than previous interferometric instruments.



(Left) To search for additional companions to the wide binary, we perform a binary + planet fit on a grid of inner period values. Here we have a candidate detection at 65 days. (Right) Subtracting out the binary motion, we show the "wobble" motion caused by the substellar companion. The "wobble" semi-major axis here is about 60 micro-arcseconds.

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