Tools for Cross mirror removal

1. Crane truck and pickup
2. Two nylon straps
3. One tugit
4. Two ramps (located in dome)
5. Mirror fixture (step, stand, 2-locking bolts and lifting bar)
6. 3 Shackles
7. Allen wrench set
8. 1 large and 1 small crescent wrench (in Cross tool box)
Set telescope on Zenith and Clamp then install weight support.

Position mirror handling fixture so crank lines up with mark on cell and so crank will clear cell as it is lowered.

Remove only "Pull" screws, don't touch "Push" screws.
Old lifting band must be used to lift mirror off cell.

Set on stool and remove old lifting band.
Install new lifting band and fixture for mirror transport.

Install locking pins in fixture to keep mirror from swiveling, leave lifting fixture on.
Position truck as close as possible to steps.
Following is a description of the technique for collimating the Crossley primary, as related by Gene Harlan, June 1988.

The spider used for mounting the crosshair apertures in the crosshair holder is one that has been previously removed. To center the crosshair wires over the primary in both axes, make sure that the end of the crosshair holder is flush with the dovetail shim that retains it, and that the lines on its base are matched.

To center them, while properly aligned, the crosshairs should coincide with the natural reflection of the wires themselves. If they do not agree to within a reasonable error, adjust primary by turning one of the three-point floatation screws beneath the mirror.

To get enough light to work through white paper with, hole to help see.