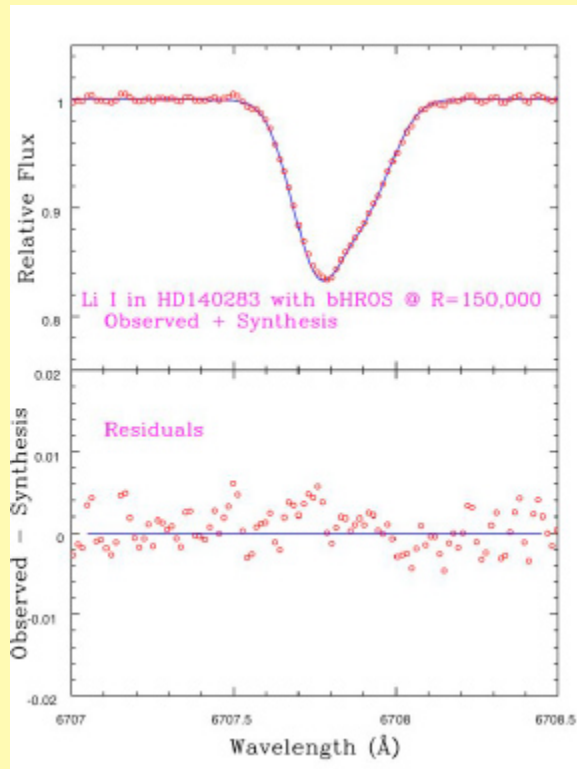


# *b* H R O S

## Very High-Resolution Optical Spectrograph



A sample reduced spectrum is shown above (top panel). The illustrated section of spectrum shows the 6707.8 Angstrom neutral lithium (Li I) line in the metal-poor halo subgiant HD140283 ([Fe/H]= -2.5). This spectrum results from two 20-minute integrations and has an unsmoothed signal-to-noise ratio of about 1000 with R=150000. The quality of the data can be noted in the residuals (bottom panel) of the observed spectrum minus theoretical spectrum, with no structure in the residual points.



*Alignment procedure for the bench echelle spectrograph in the Gemini South pier.*

NOAO Staff Contact for bHROS:  
**Katia Cunha** – [kcunha@noao.edu](mailto:kcunha@noao.edu)

For further details visit the bHROS Web page at  
<http://www.gemini.edu/sciops/instruments/hros/hrosIndex.html>

The Gemini Observatory is exploring a loan of bHROS to the South African Large Telescope (SALT) in the very near future. The intent is to loan bHROS to SALT in exchange for telescope time on SALT for the Gemini community. For up-to-date information, please visit the NGSC Web site (<http://www.noao.edu/usgp>).



December 2006



