



LGS-AO: Starlist Processing

Author	Date	Comment
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mkassis	03 June 2007	Added steps 4 & 5, modified step 3

Background: LGS-AO observers submit starlists to Keck at least 3 days before their observations so that we can send the targets to Space Command. The LGS-AO software and Space Command each require a specific starlist format.

Procedure:

(Note that we may keep a VNC session running for KICS with a web browser pointed to the proper page. This web browser will be set to download to /home/kics/starlists/.)

1. Login to HQ machine as KICS
2. Open a web browser and go to <http://www/software/starListPage/StarListsPage.php>.
3. Download the starlist for the UT date of the observing night and note the filename (should be something like 000024.dat). If there are multiple starlists, you need to use your favorite editor to combine the multiple lists into one.
4. Move the downloaded starlist into ~kics/starlists
5. cd ~kics/starlists
6. Run “process_list downloaded_file yymmdd”,
(e.g. process_list 000024.dat 070609)

Notes:

1. 3 emails are sent to the LGS-AO SAs:
 - a. One with the log of the output—lgs070609.log
 - b. One with the starlist itself—lgs070609.lst
 - c. One with the Space Command list—lgs070609_sc.txt
2. The Space Command list is also sent to the liaison (currently Chrissy)
3. Contents of /home/kics/starlists/070609/

000024.dat	lgs070609.norename	lgs070609_sc.lst
lgs070609.log	lgs070609.orig	lgs070609_sc.txt
lgs070609.lst	lgs070609.pre_flagmove	tych070609.lst
lgs070609.lst.edit	lgs070609.txt	tych070609_v10.lst

Processing Details:

1. cp .dat file to lgsymmdd.orig
2. cp .orig file to .txt
3. dos2unix .orig file to .lst
4. “lgs=1” flag moved to end of line
5. cp .lst to .lst.edit.
6. remove tabs from .lst
7. tip/tilt stars renamed if necessary
8. check for b-v flags



9. produce tycho stars and prepend to .lst
10. cp .lst up to /kroot/starlists/laser/
11. convert .lst to Space Command format (_sc.lst/_sc.txt)
12. send mail to appropriate people