

HPSS commands

Example 1: listing files on HPSS:

- `hsi -P 'cd /CCSM/csm/b40.lgm21ka.1deg.002/rest/1499-01-01-00000; ls'`
- `hsi -q 'cd /CCSM/csm/b40.1850.lgmco2.1deg.001/atm/hist; ls -l' |& less`
- `hsi -q 'cd /CCSM/csm/b40.1850.lgmco2.1deg.001/ocn; ls -Rl' >& doh`

Example 2: retrieving files from HPSS:

- `hsi -q 'cd /CCSM/csm/b40.lgm21ka.1deg.002/rest/1499-01-01-00000; get *'`
- `hsi -q 'cd /f2/ccsm/csm/b40.1850.lgmco2.1deg.001/ocn/logs; get *'`
- `hsi -q 'get /CCSM/csm/b40.6k.track1.1deg.001/atm/hist/*.tar'`
- `hsi -q 'cd /CCSM/csm/b40.1850.lgmco2.1deg.001/atm/hist; get b40.1850.lgmco2.1deg.001.cam2.h0.0453.tar'`
- `hsi -q 'prompt; mget /CCSM/csm/b40.plio.FV1.002/atm/hist/cam2.h0' (get multiple files; prompting turned off)`

Example 3: removing files from HPSS:

- `hsi -q 'cd /CCSM/csm; rm -R b40.lgm21ka.1deg.003'`

Example 4: writing file to HPSS

- `hsi -q 'cd /CCSM/csm/b40.lgm21ka.1deg.003/ocn/hist; put $file'`

Example 5: Check return status

- `hsi -q 'cd /CCSM/csm/b40.lgm21ka.1deg.002/rest/1499-01-01-00000; ls $file'`
- `echo $status (0 = found file)`

CGD access: run kinit before hsi (UCAS password)

Checking project assignment: `hsi -q 'ls -U /CCSM/csm/b30.18_0kaDVTb/atm/hist'`

Notes: -P and -q are similar; -P limits the information that comes out on the screen so you can pipe to

'less'. -q allows command line editing.