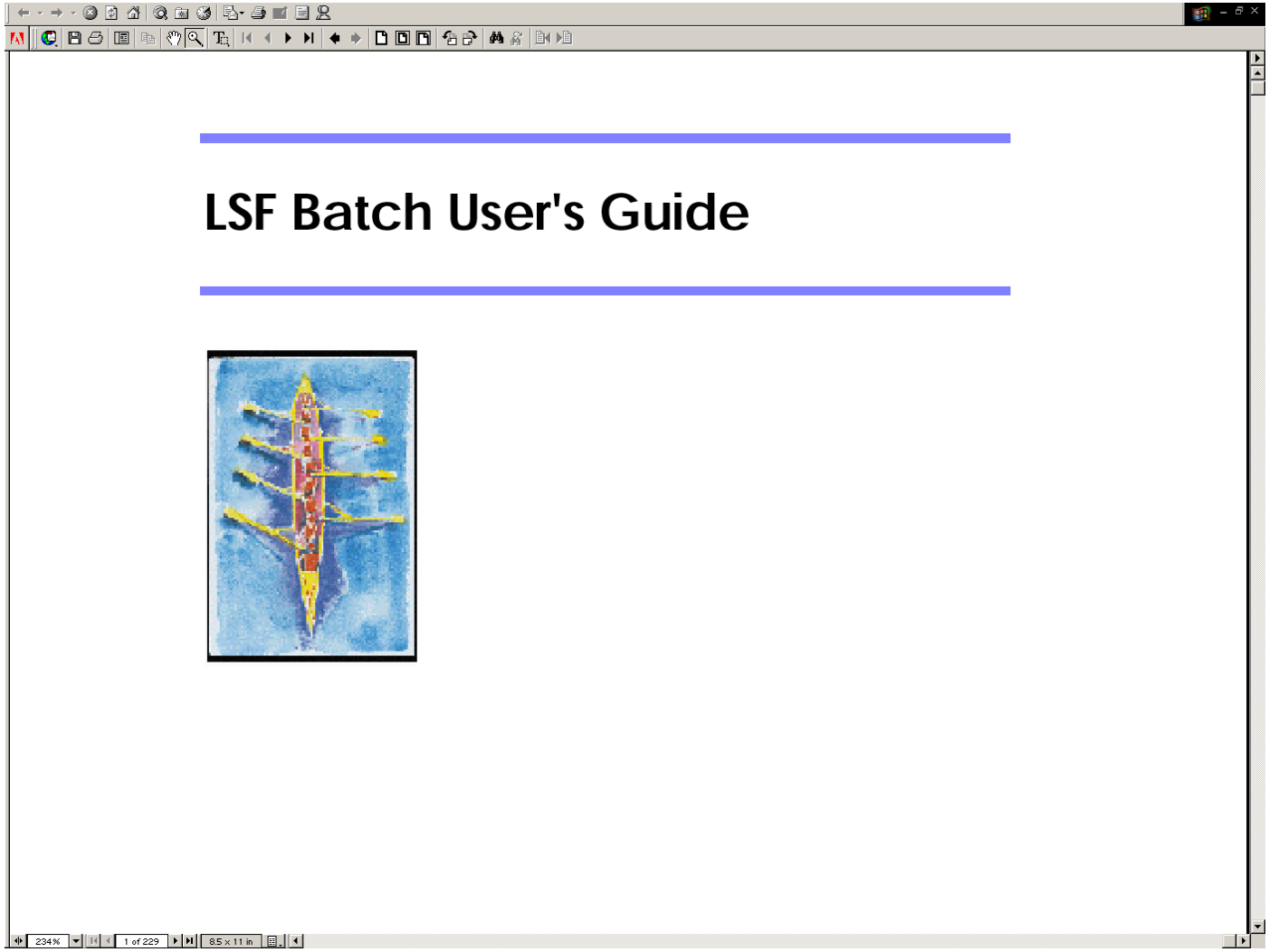
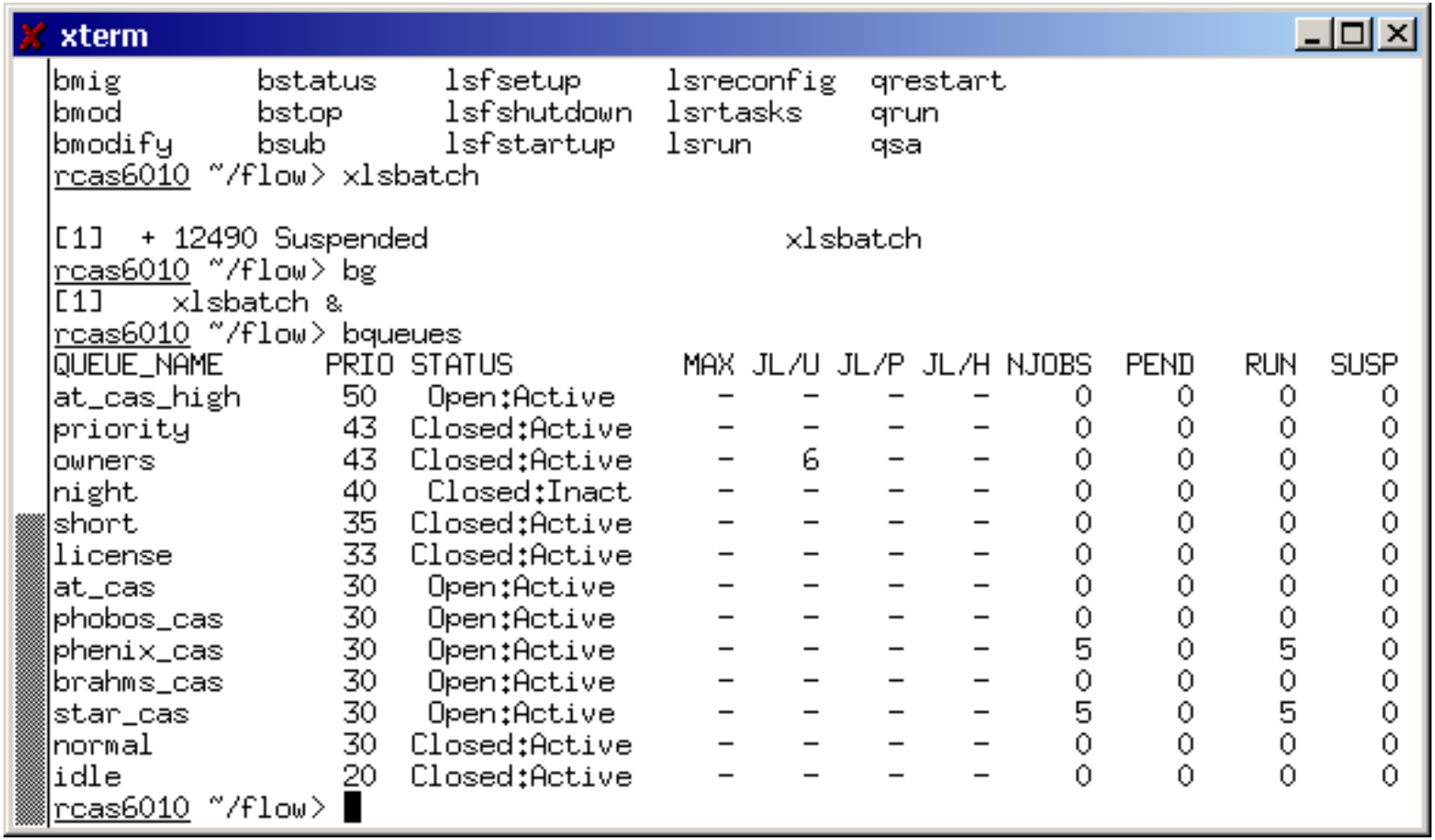
LSF Batch

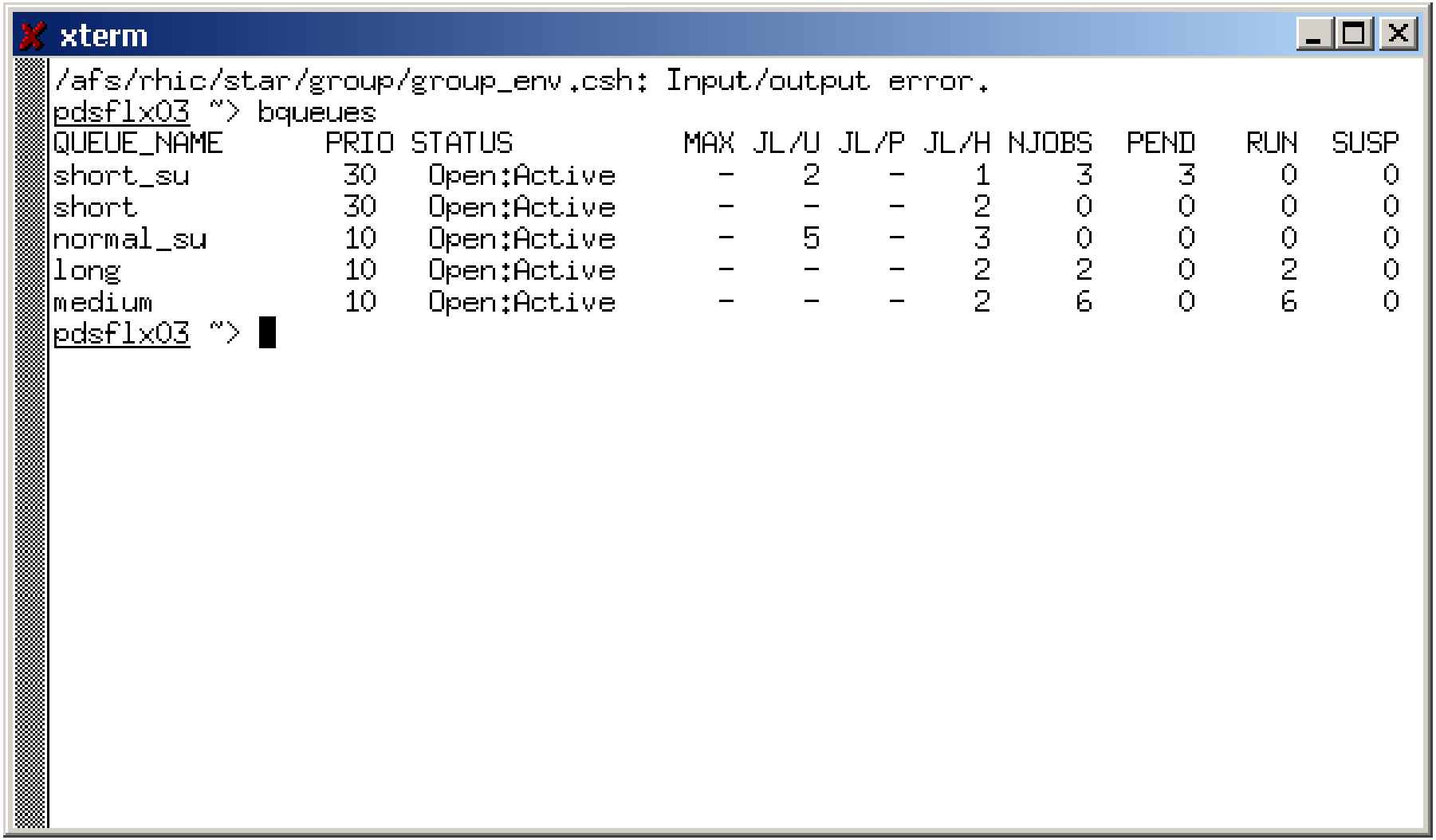


http://www.rhic.bnl.gov/RCF/Facilities/LSF/users_guide.pdf

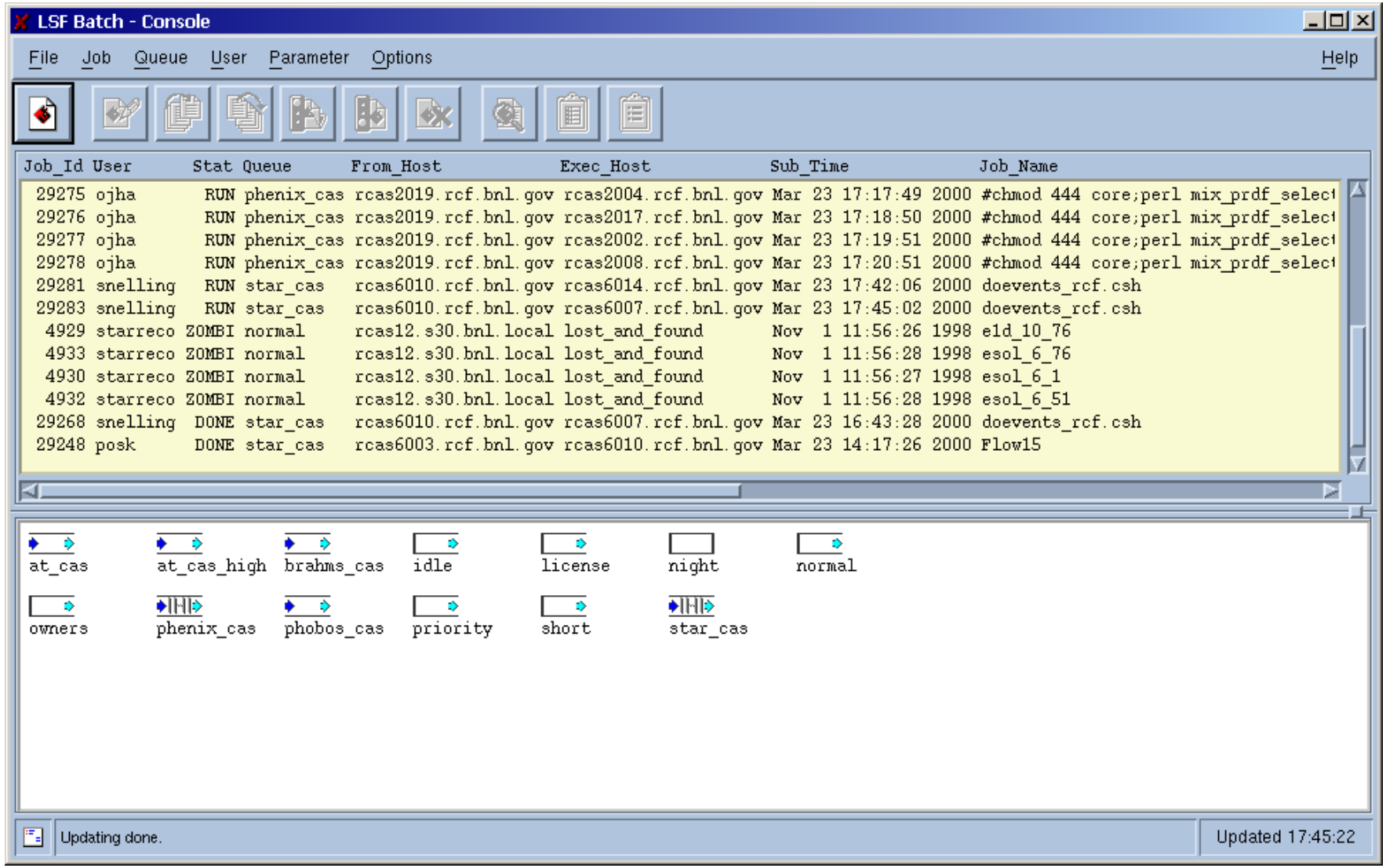
bqueues command



bqueues command PDSF



xlsbatch command



Simple script RCF

bsub –q star_cas
doFlowEvents.csh (listed below)

```
#!/bin/csh
#BSUB -J doFlowEvents
#BSUB -o doFlowEvents%J.log
#BSUB -e doFlowEvents%J.error
#BSUB -N
#BSUB -u RJSnellings@lbl.gov
#BSUB -G rhstar

set work_dir="/star/rcf/scratch/snelling/"
if (! -d $work_dir) then
mkdir -p $work_dir
endif
cd $work_dir
set rundir=‘date +’%y%m%d%H%m%s’‘
mkdir $rundir
cd $rundir

STAR_LEVELS > log.txt
root4star -b << EOF >>& log.txt
.which doFlowEvents.C
.x doFlowEvents.C(20)
.q
EOF

exit 0
```

HPSS storage script

```
set xfers=0
set tries=0
while ($tries < 100)
##-- ftp data to hpss
ftp -i -v hpss.nersc.gov << EOF2 >& ftp$infile.log
  bin
  prompt
  cd star/bfc/$detector_conf/$phys/$tpc_sim
  pwd
  put log$infile.txt
  put starbfc$infile.log
  mput *.xdf
  mput *.root
  dir
  bye
EOF2
##-- check if data is transferred
set xfers=‘grep -c -i ’226 Transfer complete.’ ftp$infile.log‘
if ($xfers == 0) then
 @ tries++
 echo ’ftp error, number of tries is:’ $tries >> log$infile.txt
 sleep 600
else
 set tries=1000
 endif
end

#-- go to top dir and remove files
rm -rf $work_dir/$rundir

exit 0
```

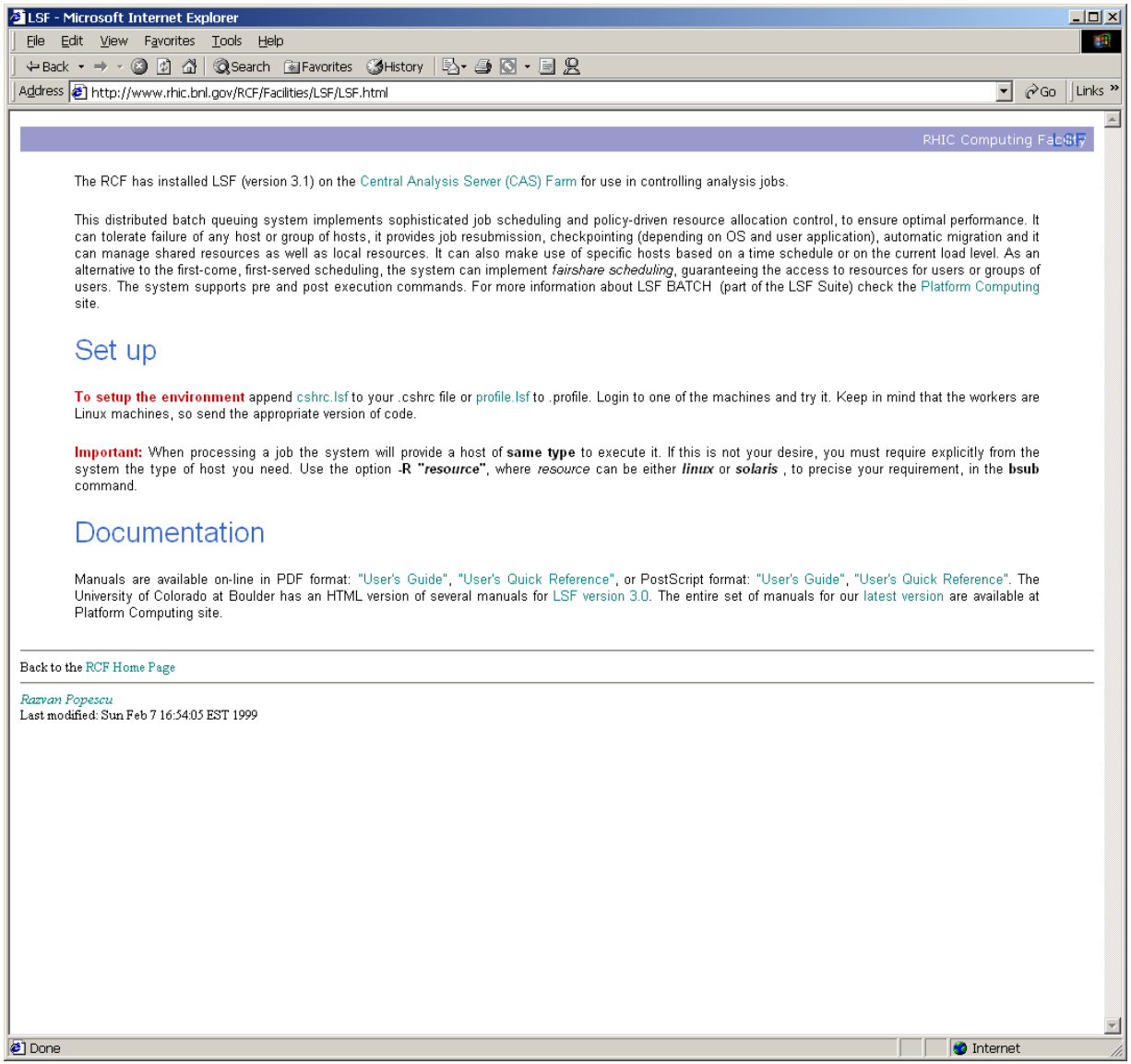
Links and references PDSF

- pdsf.nersc.gov
  PDSF web pages

Links and references BNL

- RCF batch

  RCF web tutorial



Perl and Peter Jacobs

```
starsu00 ~> more ~jacobs/hijing/exa/batch_submit.run_hijing.pl
#! /usr/bin/perl -w

#BSUB -J test_hijing
#BSUB -G rhstar
#BSUB -N
#BSUB -u PMJacobs@lbl.gov

$program ="run_hijing.pl";
$params =  "test_hijing.dat";

system("$program $params");
```