Output from showq when jobs are running and waiting

```
[grundoon@flux-login1 hpc101]$ showq -w acct=hpc101_flux


active jobs------------------------
JOBID              USERNAME      STATE PROCS   REMAINING            STARTTIME


15913823            bennet     Running    1    00:13:42  Wed May 13 21:19:01
15913820          grundoon     Running    1    00:58:42  Wed May 13 21:19:01
15913821          grundoon     Running    1    00:58:42  Wed May 13 21:19:01


3 active jobs          3 of 17464 processors in use by local jobs (0.02%)
                     826 of 1172 nodes active      (70.48%)



eligible jobs---------------------
JOBID              USERNAME      STATE PROCS    WCLIMIT            QUEUETIME


    0 eligible jobs



blocked jobs-----------------------
JOBID              USERNAME      STATE PROCS    WCLIMIT            QUEUETIME
15886094[19]         albert      Idle     8  1:00:00:00  Tue May 12 00:28:43
15886867              pogo      Idle     1  2:02:59:00  Tue May 12 02:30:39


2 blocked jobs


Total jobs:  5


.
```

Output from qstat when a job is in the queue

```
[grundoon@flux-login3 hpc101]$ qstat -u $USER

nyx.engin.umich.edu:
                                                              Req'd   Req'd       Elap
Job ID                 Username   Queue    Jobname          SessID NDS   TSK   Memory  Time    S  Time
---------------------- ---------- -------- ---------------- ------ ----- ------ ------ --------- - ---------
15913783.nyx.engin.umi grundoon   flux     grundoon_first      --     1      1    1gb  01:00:00 Q       --
```

Output from qstat when a job is running

```
[grundoon@flux-login3 hpc101]$ qstat -u $USER

nyx.engin.umich.edu:
                                                              Req'd   Req'd       Elap
Job ID                 Username   Queue    Jobname          SessID NDS   TSK   Memory  Time    S  Time
---------------------- ---------- -------- ---------------- ------ ----- ------ ------ --------- - ---------
15913783.nyx.engin.umi grundoon   flux     grundoon_first   80815     1      1    1gb  01:00:00 R  00:00:47
```

Output from qstat when a job is done

```
[grundoon@flux-login3 hpc101]$ qstat -u $USER

nyx.engin.umich.edu:
                                                              Req'd   Req'd       Elap
Job ID                 Username   Queue    Jobname          SessID NDS   TSK   Memory  Time    S  Time
---------------------- ---------- -------- ---------------- ------ ----- ------ ------ --------- - ---------
15913783.nyx.engin.umi grundoon   flux     grundoon_first   80815     1      1    1gb  01:00:00 C       --
```

.

Output from `checkjob` command

```
[grundoon@flux-login1 hpc101]$ qsub iris.pbs
15913928.nyx.engin.umich.edu
[grundoon@flux-login1 hpc101]$ checkjob -v 15913928


------------------------------------------------------------------
NOTE: The following information has been cached by the remote server
      and may be slightly out of date.
------------------------------------------------------------------


ERROR:  invalid job specified: 15913928


[grundoon@flux-login1 hpc101]$ checkjob -v 15913928


------------------------------------------------------------------
NOTE: The following information has been cached by the remote server
      and may be slightly out of date.
------------------------------------------------------------------


job 15913928 (RM job '15913928.nyx.engin.umich.edu')

AName: iris_R
State: Idle
Creds:  user:grundoon  group:cacstaff  account:hpc101_flux  class:flux  qos:flux
WallTime:   00:00:00 of 1:00:00
SubmitTime: Wed May 13 21:45:30
  (Time Queued  Total: 00:01:25  Eligible: 00:00:03)

TemplateSets:  DEFAULT
Total Requested Tasks: 1

Req[0]  TaskCount: 1  Partition: ALL
Dedicated Resources Per Task: PROCS: 1  MEM: 768M
NodeSet=ONEOF:FEATURE:[NONE]

Reserved Nodes:  (-00:01:22 -> 00:58:38  Duration: 1:00:00)
[nyx5512:1]

SystemID:   Moab
SystemJID:  15913928
Task Distribution: nyx5512
UMask:          0000
OutputFile:     flux-login1.engin.umich.edu:/home2/grundoon/hpc101/iris_R.o15913928
ErrorFile:      flux-login1.engin.umich.edu:/home2/grundoon/hpc101/iris_R.e15913928
User Specified Partition List:   flux
Partition List: flux
SrcRM:          nyx  DstRM: nyx  DstRMJID: 15913928.nyx.engin.umich.edu
Submit Args:    iris.pbs
Flags:          BACKFILL,RESTARTABLE,PROCSPECIFIED
Attr:           BACKFILL,checkpoint
StartPriority:  -1389225
PE:             1.00
Reservation '15913928' (-00:01:22 -> 00:58:38  Duration: 1:00:00)
NOTE:  job violates constraints for partition flux (waiting for non-blocking AM action to complete)


NOTE:  job violates constraints for partition fluxm (waiting for non-blocking AM action to complete)


NOTE:  job violates constraints for partition fluxg (waiting for non-blocking AM action to complete)


NOTE:  job violates constraints for partition fluxod (waiting for non-blocking AM action to complete)


NOTE:  job violates constraints for partition fluxoe (waiting for non-blocking AM action to complete)


Message[0] Waiting to register job start with accounting manager
```