Cluster Operator Commands

This chapter describes operator commands for ADACOM and for an Adabas Parallel Services cluster nucleus.

This chapter covers the following topics:

- ADACOM Operator Commands

- Adabas Cluster Nucleus Operator Commands

ADACOM Operator Commands

Special ADACOM operator commands exist to display and control the multiprocessing environment. These commands, which are similar to regular Adabas operator commands, are issued to the local ADACOM initialization job.

This section is organized in the following topics:

- OS/390 and z/OS Systems

- BS2000 Systems

- DIM - Display Image

- DN - Display Active Nuclei

- SN - Set Nucleus Status

OS/390 and z/OS Systems

This section describes the format for entering ADACOM operator commands on OS/390 and z/OS systems. It contains the following topics:

- Commands Issued during ADACOM Initialization
- Commands Issued after ADACOM Initialization

Commands Issued during ADACOM Initialization

When running the Adabas Parallel Services initialization routine ADACOM, operator commands can be specified as follows:

```
{ MODIFY | F } jobname , command
```

where

jobname	name of the ADACOM job or started task
command	one of the operator commands described in this section

Commands Issued after ADACOM Initialization

After initialization, any command issued is directed to the last SVC/DBID pair encountered in the input.

To change the pair, enter the command preceded by `SVC=svc,DBID=dbid` (the order of the SVC and DBID is interchangeable) optionally followed by a comma. For example:

> { MODIFY | F } *jobname* ,**SVC=** *svc* ,**DBID=** *dbid* , *command*

A command can be given only if the SVC/DBID pair is already active (has been specified before, and not terminated). Otherwise, specify the SVC/DBID pair without a command to activate the SVC/DBID, and then issue the command separately.

To dynamically add an IDTNAME/DBID combination, either one that was not specified in the startup JCL or one that was terminated, use the command format above and, optionally, an `NU` parameter setting or a nondefault `FORCE` parameter setting:

> { MODIFY | F } *jobname* ,**SVC=** *svc* ,**DBID=** *dbid* [,**NU=** *max-users*][,**FORCE=YES**], *command*

When you change or add an SVC/DBID set in this manner, the new set becomes the default for all commands issued until the set is changed.

To dynamically terminate an IDTNAME/DBID combination, enter the ADAEND command as follows:

> { MODIFY | F } *jobname* ,**SVC=** *svc* ,**DBID=** *dbid* ,**ADAEND**

⚠️ **Warning:**
**You *must* specify the SVC and DBID when terminating an SVC/DBID
combination. Otherwise, the ADAEND command terminates the
entire ADACOM job. The current set default does not apply when
using ADAEND.**

Every operator command is directed to the ADACOM job and is echoed with the message

```
PLI060 SVC=svc DBID=dbid OPERATOR COMMAND:xxx
```

Note:
ADACOM writes global ADACOM messages into the output data set with the DD name COMPRINT. It writes messages pertinent to an individual SVC/DBID combination into the output data set with the DD name P*ssddddd*, where *ss* is the last two digits of the SVC number and *ddddd* is the database ID.

BS2000 Systems

This section describes the format for entering ADACOM operator commands on BS2000 systems.

Commands Issued during ADACOM Initialization

When running the Adabas Parallel Services initialization routine ADACOM, the operator commands described in this section can be specified as follows:

INTR (*jobnumber* **,)** command

where

jobnumber	Job Task Number, which is four alphanumeric bytes when given from the console

Commands Issued after ADACOM Initialization

After initialization, any command issued is directed to the last IDTNAME/DBID pair encountered in the input.

To change the pair, enter the command preceded by 'IDTNAME=idtname,DBID=dbid' (the order of the IDTNAME and DBID is interchangeable) optionally followed by a comma. For example:

INTR (*jobnumber* **,)IDTNAME=** *idtname* **,DBID=** *dbid* **,** command

A command can be given only if the IDTNAME/DBID pair is already active (has been specified before, and not terminated). Otherwise, specify the IDTNAME/DBID pair without a command to activate the IDTNAME/DBID, and then issue the command separately.

To dynamically add an IDTNAME/DBID combination, either one that was not specified in the startup JCL or one that was terminated, use the command format above and, optionally, an NU parameter setting and/or a nondefault FORCE parameter setting:

INTR (*jobnumber* **,)IDTNAME=** *idtname* **,DBID=** *dbid* **[,NU=** *max-users* **][,FORCE=YES],** command

When you change or add an IDTNAME/DBID set in this manner, the new set becomes the default for all commands issued until the set is changed.

To dynamically terminate an IDTNAME/DBID combination, enter the ADAEND command as follows:

INTR (*jobnumber* **,)IDTNAME=** *idtname* **,DBID=** *dbid* **,ADAEND**

⚠ **Warning:**
You must specify the IDTNAME and DBID when terminating an IDTNAME/DBID combination. Otherwise, the ADAEND command terminates the entire ADACOM job. The current set default does not apply when using ADAEND.

Every operator command is directed to the ADACOM job and is echoed with the message

```
PLI060 IDTNAME=idtname DBID=dbid OPERATOR COMMAND:xxx
```

Note:
ADACOM writes global ADACOM messages into the output data set with the link name COMPRINT. It writes messages pertinent to an individual IDTNAME/DBID combination into the output data set with the DD name 'Pssddddd', where 'ss' is a unique number derived from the IDTNAME (counting backward from 55) and 'ddddd' is the database ID.

DIM - Display Image

DIM [*image-name*]

The DIM command displays information about each active cluster nucleus on the specified (or all) operating system image. Since with Adabas Parallel Services (in contrast to Adabas Cluster Services) all cluster nuclei run on the same system image, its output for DIM is equivalent to that for the DN command. See *DN - Display Nuclei* for sample output.

Specifying the image name is optional.

DN - Display Active Nuclei

Use DN to display the number of commands processed and the number of currently active users for each active nucleus.

Sample Output

```
PLI060 SVC=svc DBID=dbid OPERATOR COMMAND:DN
PLI004 image-name NUCID UP LO RO -#USERS- -#CMNDS- LURA= RULA=
       jobname    00001 Y  Y  N  00000152 00000001
PLI004 image-name NUCID UP LO RO -#USERS- -#CMNDS- LURA= RULA=
       jobname    00002 Y  Y  N  00000089 00000000
```

The display uses the following indicators:

image-name	the name of the image
jobname	the job name of a cluster nucleus active on the local image
NUCID	unique cluster nucleus identifier between 1 and 65000
UP	whether (Y or N) the specified nucleus is available for normal processing
LO	whether the specified nucleus is open (Y); or closed (N) for new users
RO	not applicable to Parallel Services
#USERS	the number of users currently assigned to the specified nucleus
#CMNDS	the number of commands currently in progress in the specified nucleus
LURA=	not applicable to Parallel Services
RULA=	not applicable to Parallel Services

SN - Set Nucleus Status

```
SN {RMTALL | image-name | nucleus-id } {OP | CL }
SN {LCLALL | nucleus-id } } {OP | CL } {LCL | GBL}
```

where

RMTALL	is not applicable
OP	is OPEN
CL	is CLOSE
LCLALL	is LOCAL ALL: all nuclei on the local image
LCL	is LOCAL: local users
GBL	is GLOBAL: all Adabas Parallel Services cluster users

The possible options settings for the SN command are described as follows:

Option	Action
RMTALL {OP	CL}	not applicable
image-name {OP	CL}	not applicable
nucleus-id {OP	CL}	not applicable
LCLALL {OP	CL} LCL	open or close all nuclei on the *local* image to local users. Information is not broadcast to other images.
nucleus-id {OP	CL} LCL	open or close the specified *local* nucleus to local users. Information is not broadcast to other images.
LCLALL {OP	CL} GBL	open or close all nuclei on the *local* image to all Adabas Parallel Services cluster users.
nucleus-id {OP	CL} GBL	open or close the specified *local* nucleus to all Adabas Parallel Services cluster users.

By default, nuclei start open to users.

After the nuclei start, the SN operator commands may be used to exercise some control over the assignment of users to nuclei.

Adabas Cluster Nucleus Operator Commands

In addition to the console operator commands documented in the *Adabas Operations* documentation, which can be issued against any nucleus, you can issue the following command against a local Adabas cluster nucleus:

Command	To display...
DMEMTB	information about active Adabas Parallel Services cluster nuclei
DNFV	information about current file use
DPPT	information about all occupied PPT blocks
DXCACHE	the primary cache-related statistics
DXFILE	the cache-related statistics for 1 to 5 files
DXLOCK	the lock-related statistics
DXSTAT	all cache- and lock-related statistics

Note:
Read *ADADBS OPERCOM Commands* for information about issuing Adabas utility ADADBS OPERCOM commands against a specified cluster nucleus or all cluster nuclei.

DMEMTB - Display Member State Table

Use DMEMTB to display information about active nuclei in an Adabas Parallel Services cluster.

This command produces internal information for use by Software AG technical support.

Sample Output

```
ADAI29 OPER CMD: DMEMTB
ADAX61 00006 2001-01-18 00:13:09 Member Status Table
ADAX61 00006 2001-01-18 00:13:09 Other members:      1
ADAX61 00006 2001-01-18 00:13:09   This system:      1
ADAX61 00006 2001-01-18 00:13:09
ADAX61 00006 2001-01-18 00:13:09            NUCID:    132
ADAX61 00006 2001-01-18 00:13:09         Flags 1: 11
ADAX61 00006 2001-01-18 00:13:09         Flags 2: 00
ADAX61 00006 2001-01-18 00:13:09          System: IMAGE1
ADAX61 00006 2001-01-18 00:13:09
ADAX61 00006 2001-01-18 00:13:09            NUCID:      3
ADAX61 00006 2001-01-18 00:13:09         Flags 1: 97
ADAX61 00006 2001-01-18 00:13:09         Flags 2: 00
ADAX61 00006 2001-01-18 00:13:09          System: IMAGE1
ADAN41 00006 2001-01-18 00:13:09 Function completed
```

DNFV - Display Nucleus File Variables

Use DNFV to display information about current nucleus file use.

This command provides information about the files in use at a particular point in time. It also indicates which other nucleus has exclusive file control if, for example, a user program receives a response 148, subcode 15.

Sample Output

```
ADAI29 OPER CMD: DNFV
FNR=00008  A=Y U=Y ID=      CA=00000   CU=00001
```

where

FNR=nnnnn	is the file number
A={Y | N}	(yes or no) indicates whether the file is used for access (read and/or search)
U={Y | N}	(yes or no) indicates whether the file is used for update. Use for update includes use for access.
ID=nucid	is the ID of the nucleus that owns the file lock, if the file is locked.
CA=nnnnn	is the number of users on this nucleus who are currently accessing this file.
CU=nnnnn	is the number of users on this nucleus who are currently updating this file.

DPPT - Display Parallel Participant Table (PPT)

Use DPPT to display all occupied PPT blocks.

This command produces internal information for use by Software AG technical support.

Sample Output

```
ADAI29 OPER CMD: DPPT
ADAN24 00006 2001-01-18 00:15:49 Display PPT RABNs 000005FB to 0000061A
ADAN24 00006 2001-01-18 00:15:49
ADAN24 00006 2001-01-18 00:15:49          PPT RABN: 000005FB
ADAN24 00006 2001-01-18 00:15:49 Number of entries: 03
ADAN24 00006 2001-01-18 00:15:49 Nucleus indicator: C0
ADAN24 00006 2001-01-18 00:15:49             NUCID: 0084
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0025
ADAN24 00006 2001-01-18 00:15:49          Entry ID: W
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/WORKR1/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 1
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR11/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 2
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR12/
ADAN24 00006 2001-01-18 00:15:49

ADAN24 00006 2001-01-18 00:15:49          PPT RABN:
000005FC
ADAN24 00006 2001-01-18 00:15:49 Number of entries: 03
ADAN24 00006 2001-01-18 00:15:49 Nucleus indicator: C0
ADAN24 00006 2001-01-18 00:15:49             UCID: 0003
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0025
ADAN24 00006 2001-01-18 00:15:49          Entry ID: W
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/WORKR2/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 1
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR21/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 2
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR22/
ADAN41 00006 2001-01-18 00:15:49 Function completed
```

DXCACHE - Display Cache Statistics

Use DXCACHE to display the primary cache-related statistics.

The full set of statistics shown in this output is displayed only for users who have the selectable unit Adabas Online System (AOS) installed.

If you have installed only the demo version of AOS delivered with Adabas, only the statistics in the sections *Totals*, *Data Storage*, and *Normal Index* are displayed using this command.

Sample Output

```
ADAX61 00006 2000-09-06 19:29:23 Global cache statistics:
ADAX61 00006 2000-09-06 19:29:23
```

Cast-out Directory

```
ADAX61 00006 2000-09-06 19:29:23 Cast-out dir   :                    35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                     0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    35
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Unlock cast-out:                    35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                     1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    34
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Directory reads:                     1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                     0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Totals

```
ADAX61 00006 2000-09-06 19:29:23 Totals:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                 1,681
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                    71
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                 1,610
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache     :                   888
ADAX61 00006 2000-09-06 19:29:23  Not in cache :                   793
ADAX61 00006 2000-09-06 19:29:23  Area full    :                     0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :                25,467
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                22,724
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                 2,743
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written      :                25,467
ADAX61 00006 2000-09-06 19:29:23  Not written  :                     0
ADAX61 00006 2000-09-06 19:29:23  Area full    :                     0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :                65,552
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                1,727
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                   265
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                 1,462
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                          0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                          0
ADAX61 00006 2000-09-06 19:29:23
```

Address Converter

```
ADAX61 00006 2000-09-06 19:29:23 AC:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                         11
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         11
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                          6
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                          5
ADAX61 00006 2000-09-06 19:29:23   Area full    :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                      2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      2,608
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                         36
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                      2,644
ADAX61 00006 2000-09-06 19:29:23   Not written  :                          0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                      8,772
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                         38
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         38
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                          0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                          0
ADAX61 00006 2000-09-06 19:29:23
```

Data Storage

```
ADAX61 00006 2000-09-06 19:29:23 DS:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                      1,609
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                          0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                      1,609
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                        855
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                        754
ADAX61 00006 2000-09-06 19:29:23   Area full    :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                      2,645
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                          0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                      2,645
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                      2,645
ADAX61 00006 2000-09-06 19:29:23   Not written  :                          0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                      6,603
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                      1,461
```

```
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                  1,461
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                      0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                      0
ADAX61 00006 2000-09-06 19:29:23
```

Data Storage Space Table

```
ADAX61 00006 2000-09-06 19:29:23 DSST:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                      1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                      0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                      0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                      1
ADAX61 00006 2000-09-06 19:29:23  Area full     :                      0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                  2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                  2,622
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     22
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                  2,644
ADAX61 00006 2000-09-06 19:29:23  Not written   :                      0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                      0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                  3,969
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                      0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                     34
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                     33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                      1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                      0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                      0
ADAX61 00006 2000-09-06 19:29:23
```

File Control Block

```
ADAX61 00006 2000-09-06 19:29:23 FCB:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                      2
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      2
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                      0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                      0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                      2
ADAX61 00006 2000-09-06 19:29:23  Area full     :                      0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                  2,132
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                  2,123
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                      9
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                  2,132
ADAX61 00006 2000-09-06 19:29:23  Not written   :                      0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                      0
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Validates     :              17,000
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                   0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                  33
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                  33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                   0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes       :                   0
ADAX61 00006 2000-09-06 19:29:23  Timeouts     :                   0
ADAX61 00006 2000-09-06 19:29:23
```

Normal Index

```
ADAX61 00006 2000-09-06 19:29:23 NI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                  50
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                  49
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                   1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache     :                  25
ADAX61 00006 2000-09-06 19:29:23  Not in cache :                  25
ADAX61 00006 2000-09-06 19:29:23  Area full    :                   0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :               7,767
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :               7,747
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                  20
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written      :               7,767
ADAX61 00006 2000-09-06 19:29:23  Not written  :                   0
ADAX61 00006 2000-09-06 19:29:23  Area full    :                   0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :               7,273
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                  0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                101
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                 101
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                   0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes       :                   0
ADAX61 00006 2000-09-06 19:29:23  Timeouts     :                   0
ADAX61 00006 2000-09-06 19:29:23
```

Upper Index

```
ADAX61 00006 2000-09-06 19:29:23 UI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                   8
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                   8
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                   0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache     :                   2
ADAX61 00006 2000-09-06 19:29:23  Not in cache :                   6
ADAX61 00006 2000-09-06 19:29:23  Area full    :                   0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :               7,635
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :               7,624
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                  11
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written      :               7,635
ADAX61 00006 2000-09-06 19:29:23  Not written  :                   0
```

```
ADAX61 00006 2000-09-06 19:29:23  Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :                   21,935
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                       0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                      60
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                       60
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes       :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts     :                        0
ADAX61 00006 2000-09-06 19:29:23
```

File Statistics

```
ADAX61 00006 2000-09-06 19:29:23 File statistics for files with over 25
ADAX61 00006 2000-09-06 19:29:23 percent of the total cache statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File    1:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                    1,672
ADAX61 00006 2000-09-06 19:29:23 Writes        :                   22,798
ADAX61 00006 2000-09-06 19:29:23 Validates     :                   61,531
ADAX61 00006 2000-09-06 19:29:23
```

DXFILE—Display Cache Statistics for Files

Use DXFILE to display cache-related statistics for 1 to 5 files.

The command is specified using the following format:

DXFILE= *fnr* **[,** *fnr1* **]** ...

Sample Output

```
ADAI29 OPER CMD: DXFILE=0,1,2,3,9
ADAX61 00006 2000-09-06 19:30:38
```

File 0

```
ADAX61 00006 2000-09-06 19:30:38 File    0:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads         :                        1
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :                        1
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache     :                        0
ADAX61 00006 2000-09-06 19:30:38  Not in cache :                        1
ADAX61 00006 2000-09-06 19:30:38  Area full    :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes        :                    2,644
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :                    2,622
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                       22
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written      :                    2,644
```

```
ADAX61 00006 2000-09-06 19:30:38  Not written  :                    0
ADAX61 00006 2000-09-06 19:30:38  Area full    :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates     :                3,969
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                   0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                  34
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :                   33
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                    1
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes       :                    0
ADAX61 00006 2000-09-06 19:30:38  Timeouts     :                    0
ADAX61 00006 2000-09-06 19:30:38
```

File 1

```
ADAX61 00006 2000-09-06 19:30:38 File    1:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads         :                1,672
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :                   64
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                1,608
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache     :                  888
ADAX61 00006 2000-09-06 19:30:38  Not in cache :                  784
ADAX61 00006 2000-09-06 19:30:38  Area full    :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes        :               22,798
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :               20,082
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                2,716
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written      :               22,798
ADAX61 00006 2000-09-06 19:30:38  Not written  :                    0
ADAX61 00006 2000-09-06 19:30:38  Area full    :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates     :               61,531
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                   0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :               1,677
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :                  221
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                1,456
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes       :                    0
ADAX61 00006 2000-09-06 19:30:38  Timeouts     :                    0
ADAX61 00006 2000-09-06 19:30:38
```

File 2

```
ADAX61 00006 2000-09-06 19:30:38 File    2:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads         :                    0
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :                    0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache     :                    0
ADAX61 00006 2000-09-06 19:30:38  Not in cache :                    0
ADAX61 00006 2000-09-06 19:30:38  Area full    :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes        :                    0
ADAX61 00006 2000-09-06 19:30:38  Synchronous  :                    0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous :                    0
```

```
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written       :                    0
ADAX61 00006 2000-09-06 19:30:38  Not written   :                    0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates      :                    0
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                    0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                    0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes        :                    0
ADAX61 00006 2000-09-06 19:30:38  Timeouts      :                    0
ADAX61 00006 2000-09-06 19:30:38
```

File 3

```
ADAX61 00006 2000-09-06 19:30:38 File    3:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads          :                    0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                    0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache      :                    0
ADAX61 00006 2000-09-06 19:30:38  Not in cache  :                    0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes         :                    0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                    0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written       :                    0
ADAX61 00006 2000-09-06 19:30:38  Not written   :                    0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates      :                    0
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                    0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                    0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes        :                    0
ADAX61 00006 2000-09-06 19:30:38  Timeouts      :                    0
ADAX61 00006 2000-09-06 19:30:38
```

File 9

```
ADAX61 00006 2000-09-06 19:30:38 File    9:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads          :                    8
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                    6
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    2
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache      :                    0
ADAX61 00006 2000-09-06 19:30:38  Not in cache  :                    8
ADAX61 00006 2000-09-06 19:30:38  Area full     :                    0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes         :                   25
```

```
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                              20
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                               5
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written       :                              25
ADAX61 00006 2000-09-06 19:30:38  Not written   :                               0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                               0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates      :                              52
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                               0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                              16
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                              11
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                               5
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes        :                               0
ADAX61 00006 2000-09-06 19:30:38  Timeouts      :                               0
ADAN41 00006 2000-09-06 19:30:38 Function completed
```

DXLOCK - Display Lock Statistics

Use DXLOCK to display lock-related statistics.

Sample Output

```
ADAX61 00006 2000-09-06 19:29:23 Global lock statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

General Control Block Lock

```
ADAX61 00006 2000-09-06 19:29:23 1. GCB lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional   :          0
ADAX61 00006 2000-09-06 19:29:23           Granted       :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected      :          0
ADAX61 00006 2000-09-06 19:29:23          Unconditional  :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous    :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous   :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued       :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous    :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous   :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Security Lock

```
ADAX61 00006 2000-09-06 19:29:23 2. Security lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional   :          0
ADAX61 00006 2000-09-06 19:29:23           Granted       :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected      :          0
ADAX61 00006 2000-09-06 19:29:23          Unconditional  :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous    :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous   :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued       :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous    :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous   :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

FST Lock

```
ADAX61 00006 2000-09-06 19:29:23 3. FST lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional     :          0
ADAX61 00006 2000-09-06 19:29:23           Granted         :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected        :          0
ADAX61 00006 2000-09-06 19:29:23           Unconditional   :          0
ADAX61 00006 2000-09-06 19:29:23           Synchronous     :          0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous    :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued         :          0
ADAX61 00006 2000-09-06 19:29:23           Synchronous     :          0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous    :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

File Lock Table Lock

```
ADAX61 00006 2000-09-06 19:29:23 4. File-lock-table lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional     :          0
ADAX61 00006 2000-09-06 19:29:23           Granted         :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected        :          0
ADAX61 00006 2000-09-06 19:29:23           Unconditional   :          0
ADAX61 00006 2000-09-06 19:29:23           Synchronous     :          0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous    :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued         :          0
ADAX61 00006 2000-09-06 19:29:23           Synchronous     :          0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous    :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Online Save Lock

```
ADAX61 00006 2000-09-06 19:29:23 5. Online save lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional     :          0
ADAX61 00006 2000-09-06 19:29:23           Granted         :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected        :          0
ADAX61 00006 2000-09-06 19:29:23           Unconditional   :          0
ADAX61 00006 2000-09-06 19:29:23           Synchronous     :          0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous    :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued         :          0
ADAX61 00006 2000-09-06 19:29:23           Synchronous     :          0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous    :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Buffer Flush Lock

```
ADAX61 00006 2000-09-06 19:29:23 6. Buffer flush lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional     :          0
ADAX61 00006 2000-09-06 19:29:23           Granted         :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected        :          0
ADAX61 00006 2000-09-06 19:29:23           Unconditional   :         38
ADAX61 00006 2000-09-06 19:29:23           Synchronous     :         38
ADAX61 00006 2000-09-06 19:29:23           Asynchronous    :          0
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :           38
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :           38
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Global ET Sync Lock

```
ADAX61 00006 2000-09-06 19:29:23 7. Global ET sync lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            0
ADAX61 00006 2000-09-06 19:29:23            Granted           :            0
ADAX61 00006 2000-09-06 19:29:23            Rejected          :            0
ADAX61 00006 2000-09-06 19:29:23          Unconditional       :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Recovery Lock

```
ADAX61 00006 2000-09-06 19:29:23 8. Recovery lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            0
ADAX61 00006 2000-09-06 19:29:23            Granted           :            0
ADAX61 00006 2000-09-06 19:29:23            Rejected          :            0
ADAX61 00006 2000-09-06 19:29:23          Unconditional       :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Hold ISN Locks

```
ADAX61 00006 2000-09-06 19:29:23 9. Hold ISN locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :         3100
ADAX61 00006 2000-09-06 19:29:23            Granted           :         3100
ADAX61 00006 2000-09-06 19:29:23            Rejected          :            0
ADAX61 00006 2000-09-06 19:29:23          Unconditional       :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :         3100
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :         3100
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :         3100
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Unique Descriptor Locks

```
ADAX61 00006 2000-09-06 19:29:23 10. Unique descriptor locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :           1
ADAX61 00006 2000-09-06 19:29:23           Granted            :           1
ADAX61 00006 2000-09-06 19:29:23           Rejected           :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional      :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous        :           1
ADAX61 00006 2000-09-06 19:29:23           Asynchronous       :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :           1
ADAX61 00006 2000-09-06 19:29:23           Synchronous        :           1
ADAX61 00006 2000-09-06 19:29:23           Asynchronous       :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

ETID Locks

```
ADAX61 00006 2000-09-06 19:29:23 11. ETID locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :           1
ADAX61 00006 2000-09-06 19:29:23           Granted            :           1
ADAX61 00006 2000-09-06 19:29:23           Rejected           :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional      :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous        :           1
ADAX61 00006 2000-09-06 19:29:23           Asynchronous       :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous        :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous       :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

New Data RABN Locks

```
ADAX61 00006 2000-09-06 19:29:23 12. New-Data-RABN locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :           0
ADAX61 00006 2000-09-06 19:29:23           Granted            :           0
ADAX61 00006 2000-09-06 19:29:23           Rejected           :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional      :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous        :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous       :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous        :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous       :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Checkpoint Lock

```
ADAX61 00006 2000-09-06 19:29:23 13. Checkpoint lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :           0
ADAX61 00006 2000-09-06 19:29:23           Granted            :           0
ADAX61 00006 2000-09-06 19:29:23           Rejected           :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional      :           6
ADAX61 00006 2000-09-06 19:29:23           Synchronous        :           6
ADAX61 00006 2000-09-06 19:29:23           Asynchronous       :           0
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :            6
ADAX61 00006 2000-09-06 19:29:23            Synchronous        :            6
ADAX61 00006 2000-09-06 19:29:23            Asynchronous       :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

ET Data Lock

```
ADAX61 00006 2000-09-06 19:29:23 14. ET data lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            0
ADAX61 00006 2000-09-06 19:29:23            Granted           :            0
ADAX61 00006 2000-09-06 19:29:23            Rejected          :            0
ADAX61 00006 2000-09-06 19:29:23            Unconditional     :            0
ADAX61 00006 2000-09-06 19:29:23            Synchronous       :            0
ADAX61 00006 2000-09-06 19:29:23            Asynchronous      :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :            0
ADAX61 00006 2000-09-06 19:29:23            Synchronous        :            0
ADAX61 00006 2000-09-06 19:29:23            Asynchronous       :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Global Update Command Sync Lock

```
ADAX61 00006 2000-09-06 19:29:23 15. Global update command sync lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            0
ADAX61 00006 2000-09-06 19:29:23            Granted           :            0
ADAX61 00006 2000-09-06 19:29:23            Rejected          :            0
ADAX61 00006 2000-09-06 19:29:23            Unconditional     :           33
ADAX61 00006 2000-09-06 19:29:23            Synchronous       :           33
ADAX61 00006 2000-09-06 19:29:23            Asynchronous      :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :           33
ADAX61 00006 2000-09-06 19:29:23            Synchronous        :           33
ADAX61 00006 2000-09-06 19:29:23            Asynchronous       :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Parameter Lock

```
ADAX61 00006 2000-09-06 19:29:23 16. Parameter lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            0
ADAX61 00006 2000-09-06 19:29:23            Granted           :            0
ADAX61 00006 2000-09-06 19:29:23            Rejected          :            0
ADAX61 00006 2000-09-06 19:29:23            Unconditional     :            0
ADAX61 00006 2000-09-06 19:29:23            Synchronous       :            0
ADAX61 00006 2000-09-06 19:29:23            Asynchronous      :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued            :            0
ADAX61 00006 2000-09-06 19:29:23            Synchronous        :            0
ADAX61 00006 2000-09-06 19:29:23            Asynchronous       :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAN41 00006 2000-09-06 19:29:23 Function completed
```

DXSTAT - Display Cache and Lock Statistics

Use DXSTAT to display all cache- and lock-related statistics.

The full set of global cache statistics shown in this output is displayed only for users who have the selectable unit Adabas Online System (AOS) installed.

If you have installed only the demo version of AOS delivered with Adabas, only the global cache statistics in the sections *Totals*, *Data Storage*, and *Normal Index* are displayed using this command. All file cache statistics for files and all global lock statistics are displayed.

Sample Output

```
ADAI29 OPER CMD: DXSTAT
```

Global Cache Statistics

```
ADAX61 00006 2000-09-06 19:29:23 Global cache statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out dir   :                       35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                       35
ADAX61 00006 2000-09-06 19:29:23


ADAX61 00006 2000-09-06 19:29:23 Unlock cast-out:                       35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                       34
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Directory reads:                        1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Totals:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                    1,681
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                       71
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    1,610
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                      888
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                      793
ADAX61 00006 2000-09-06 19:29:23   Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                   25,467
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                   22,724
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    2,743
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                   25,467
ADAX61 00006 2000-09-06 19:29:23   Not written  :                        0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                   65,552
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                    1,727
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      265
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    1,462
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Deletes         :                         0
ADAX61 00006 2000-09-06 19:29:23  Timeouts       :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 AC:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                        11
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        11
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                         6
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                         5
ADAX61 00006 2000-09-06 19:29:23   Area full    :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                     2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                     2,608
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        36
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                     2,644
ADAX61 00006 2000-09-06 19:29:23   Not written  :                         0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                     8,772
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                        38
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        38
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                         0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 DS:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                     1,609
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     1,609
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                       855
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                       754
ADAX61 00006 2000-09-06 19:29:23   Area full    :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                     2,645
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     2,645
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                     2,645
ADAX61 00006 2000-09-06 19:29:23   Not written  :                         0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                     6,603
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                     1,461
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     1,461
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                         0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                         0
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 DSST:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                    1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                    0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                    1
ADAX61 00006 2000-09-06 19:29:23  Area full     :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                2,622
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                   22
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                2,644
ADAX61 00006 2000-09-06 19:29:23  Not written   :                    0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                3,969
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                   34
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                   33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                    0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 FCB:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                    2
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    2
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                    0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                    2
ADAX61 00006 2000-09-06 19:29:23  Area full     :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                2,132
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                2,123
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    9
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                2,132
ADAX61 00006 2000-09-06 19:29:23  Not written   :                    0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :               17,000
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                   33
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                   33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                    0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                    0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 NI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                       50
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                       49
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                       25
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                       25
ADAX61 00006 2000-09-06 19:29:23   Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                    7,767
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    7,747
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                       20
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                    7,767
ADAX61 00006 2000-09-06 19:29:23   Not written  :                        0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                    7,273
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                      101
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      101
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 UI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                        8
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        8
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                        2
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                        6
ADAX61 00006 2000-09-06 19:29:23   Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                    7,635
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    7,624
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                       11
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                    7,635
ADAX61 00006 2000-09-06 19:29:23   Not written  :                        0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                   21,935
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                       60
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                       60
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                        0
ADAX61 00006 2000-09-06 19:29:23
ADX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File statistics for files with over 25
ADAX61 00006 2000-09-06 19:29:23 percent of the total cache statistics:
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File     1:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                    1,672
ADAX61 00006 2000-09-06 19:29:23 Writes        :                   22,798
ADAX61 00006 2000-09-06 19:29:23 Validates     :                   61,531
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

File Cache Statistics for Files

```
ADAX61 00006 2000-09-06 19:29:23 File     0:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                        1
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                        1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache     :                        0
ADAX61 00006 2000-09-06 19:29:23  Not in cache :                        1
ADAX61 00006 2000-09-06 19:29:23  Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :                    2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                    2,622
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                       22
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written      :                    2,644
ADAX61 00006 2000-09-06 19:29:23  Not written  :                        0
ADAX61 00006 2000-09-06 19:29:23  Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :                    3,969
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                       0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                      34
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                       33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                        1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes       :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts     :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File     1:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                    1,672
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                       64
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                    1,608
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache     :                      888
ADAX61 00006 2000-09-06 19:29:23  Not in cache :                      784
ADAX61 00006 2000-09-06 19:29:23  Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :                   22,798
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                   20,082
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                    2,716
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written      :                   22,798
ADAX61 00006 2000-09-06 19:29:23  Not written  :                        0
ADAX61 00006 2000-09-06 19:29:23  Area full    :                        0
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Validates      :                61,531
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                     0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                 1,677
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                   221
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                 1,456
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                     0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                     0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File     9:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                     8
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                     6
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     2
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                     0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                     8
ADAX61 00006 2000-09-06 19:29:23  Area full     :                     0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                    25
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    20
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     5
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                    25
ADAX61 00006 2000-09-06 19:29:23  Not written   :                     0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                     0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                    52
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                     0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                    16
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    11
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     5
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                     0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                     0
```

Global Lock Statistics

```
ADAX61 00006 2000-09-06 19:29:23 Global lock statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 1. GCB lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :         0
ADAX61 00006 2000-09-06 19:29:23           Granted          :         0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :         0
ADAX61 00006 2000-09-06 19:29:23         Unconditional      :         0
ADAX61 00006 2000-09-06 19:29:23         Synchronous        :         0
ADAX61 00006 2000-09-06 19:29:23         Asynchronous       :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :         0
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :         0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADX61 00006 2000-09-06 19:29:23 2. Security lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :         0
```

```
ADAX61 00006 2000-09-06 19:29:23                 Granted          :              0
ADAX61 00006 2000-09-06 19:29:23                 Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23             Unconditional        :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued               :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 3. FST lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional          :              0
ADAX61 00006 2000-09-06 19:29:23                 Granted          :              0
ADAX61 00006 2000-09-06 19:29:23                 Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23             Unconditional        :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued               :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 4. File-lock-table lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional          :              0
ADAX61 00006 2000-09-06 19:29:23                 Granted          :              0
ADAX61 00006 2000-09-06 19:29:23                 Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23             Unconditional        :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued               :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 5. Online save lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional          :              0
ADAX61 00006 2000-09-06 19:29:23                 Granted          :              0
ADAX61 00006 2000-09-06 19:29:23                 Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23             Unconditional        :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued               :              0
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :              0
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 6. Buffer flush lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional          :              0
ADAX61 00006 2000-09-06 19:29:23                 Granted          :              0
ADAX61 00006 2000-09-06 19:29:23                 Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23             Unconditional        :             38
ADAX61 00006 2000-09-06 19:29:23             Synchronous          :             38
ADAX61 00006 2000-09-06 19:29:23             Asynchronous         :              0
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :           38
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :           38
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 7. Global ET sync lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            0
ADAX61 00006 2000-09-06 19:29:23           Granted            :            0
ADAX61 00006 2000-09-06 19:29:23           Rejected           :            0
ADAX61 00006 2000-09-06 19:29:23          Unconditional       :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 8. Recovery lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            0
ADAX61 00006 2000-09-06 19:29:23           Granted            :            0
ADAX61 00006 2000-09-06 19:29:23           Rejected           :            0
ADAX61 00006 2000-09-06 19:29:23          Unconditional       :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 9. Hold ISN locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :         3100
ADAX61 00006 2000-09-06 19:29:23           Granted            :         3100
ADAX61 00006 2000-09-06 19:29:23           Rejected           :            0
ADAX61 00006 2000-09-06 19:29:23          Unconditional       :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :         3100
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :         3100
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :         3100
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 10. Unique descriptor locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional        :            1
ADAX61 00006 2000-09-06 19:29:23           Granted            :            1
ADAX61 00006 2000-09-06 19:29:23           Rejected           :            0
ADAX61 00006 2000-09-06 19:29:23          Unconditional       :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous         :            1
ADAX61 00006 2000-09-06 19:29:23          Asynchronous        :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :            1
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :            1
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 11. ETID locks
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              1
ADAX61 00006 2000-09-06 19:29:23           Granted          :              1
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              1
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 12. New-Data-RABN locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 13. Checkpoint lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :              6
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              6
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :              6
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              6
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 14. ET data lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 15. Global update command sync loc
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :             33
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :             33
```

```
ADAX61 00006 2000-09-06 19:29:23          Asynchronous     :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued         :         33
ADAX61 00006 2000-09-06 19:29:23          Synchronous      :         33
ADAX61 00006 2000-09-06 19:29:23          Asynchronous     :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 16. Parameter lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional    :          0
ADAX61 00006 2000-09-06 19:29:23            Granted        :          0
ADAX61 00006 2000-09-06 19:29:23            Rejected       :          0
ADAX61 00006 2000-09-06 19:29:23          Unconditional    :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous      :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous     :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued         :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous      :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous     :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAN41 00006 2000-09-06 19:29:23 Function completed
```