```
                   LastOpen 142 - Display Last FileOpen
                   ===================================
                                 19Mar2007




The LastOpen freeware tool displays the
- creation time
- last open time and
- last modification time
in LCT of a given set of disk files.

Beside listing files, matching a given last open time or time frame,
it is capable of sorting the files in ascending order by the last open
or last modification timestamp.

Two executable versions are available:
 - LastOpen.100  =  accelerated executable, file code 100
 - LastOpen.700  =  native executable, file code 700


Command syntax:

 [run] LASTOPEN [/OUT <file>/] -H[ELP]
 [run] LASTOPEN [/OUT <file>/] [<temp>] [,NEVER          [by-op]]
                                        [,AFTER   <date> [by-op]]
                                        [,BEFORE  <date> [by-op]]
                                        [,BETWEEN <date> [AND] <date>] [by-op]]
where:

  <file>          OUT file

  -H[ELP]         causes SHOWUSER to display help information.

  template        disk file template

  NEVER           causes LastOpen to display all files, which
                  never were opened.

  AFTER           causes LastOpen to display those files, opened
                  AFTER a given date and time.

  BEFORE          causes LastOpen to display those files, opened
                  BEFORE a given date and time.

  BETWEEN         causes LastOpen to display those files, opened
                  BETWEEN two given dates.

  date            date value is one of:
                  - hh:mm            -> today,hh:mm
                  - ddmmmyyyy        -> ddmmmyyyy,00:00
                  - ddmmmyyyy,hhmm   -> ddmmmyyyy,hh:mm

  AND             optional filler word to make the command 'readable'

  by-mod          is either
                   - BY CREATION  or
                   - BY LASTMOD   or
                   - BY LASTOPEN
                  causes a sorted output.
                  A maximum of 32,000 files to be sorted is supported.
                  When this number is exceeded, LASTOPEN generates an
                  error message, and stops.
```

These key words can be shortened down, as long as
                     they are unique.
                     e.g. LASTM is OK, while LAST is not.

Examples:
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Displaying all never opened files on a disk:

$GHS1 LASTOPEN 3> lastopen $system.*.*,never
LastOpen (140) - T7172G06 - (22Aug2006) System \BEECH, running NSK G06
Copyright (c) GreenHouse Software & Consulting 2000,2002,2006
File list is: By File name
Fileset is: $SYSTEM.*.*
Time frame is: Never opened
Collecting data...
            File Name   Creation   Last Open   Last Mod
$SYSTEM.SUPER.SHHISTOR   2Jun2006 17:22   Never   7Jul2006 19:31
$SYSTEM.ZLOG00.ZZEV0065   28Feb2006 9:33   Never   28Feb2006 9:33
$SYSTEM.ZLOG03.ZZEV0014   15Aug2005 23:50   Never   15Aug2005 23:50
$SYSTEM.ZLOG27.ZZEV0007   14Aug2006 18:19   Never   14Aug2006 18:19
$SYSTEM.ZOSSUTL.WHATIS   29Oct2003 9:18   Never   29Oct2003 9:20
$GHS1 LASTOPEN 4>

Displaying the last open time values of the files in the actual
location, sorted by the last open time:

$GHS1 LASTOPEN 5> lastopen *,by lastopen
LastOpen (140) - T7172G06 - (22Aug2006) System \BEECH, running NSK G06
Copyright (c) GreenHouse Software & Consulting 2000,2002,2006
File list is: By Last Open
Fileset is: $GHS1.LASTOPEN.*
Collecting data...
            File Name   Creation   Last Open   Last Mod
$GHS1.LASTOPEN.SAVE   7Nov2003 13:53   TODAY 13:37   29May2000 10:34
$GHS1.LASTOPEN.BANNER   TODAY 13:35   TODAY 13:37   TODAY 13:35
$GHS1.LASTOPEN.COMPILE   28Oct2003 14:44   TODAY 13:37   TODAY 11:06
$GHS1.LASTOPEN.DUPDIST   28Oct2003 14:44   TODAY 13:37   29May2000 10:33
$GHS1.LASTOPEN.HELP   28Oct2003 14:44   TODAY 13:37   TODAY 11:05
$GHS1.LASTOPEN.LASTSRC   TODAY 13:35   TODAY 13:37   TODAY 13:35
$GHS1.LASTOPEN.VERSION   28Oct2003 14:44   TODAY 13:37   TODAY 11:03
$GHS1.LASTOPEN.GETFILES   28Oct2003 14:44   TODAY 13:37   19Feb2003 19:57
$GHS1.LASTOPEN.LASTOPN   TODAY 13:36   TODAY 13:37   TODAY 13:36
$GHS1.LASTOPEN.README   28Oct2003 14:44   TODAY 13:38   TODAY 13:33
$GHS1.LASTOPEN.LASTOPEN   TODAY 13:35   TODAY 13:39   TODAY 13:35
$GHS1 LASTOPEN 6>

In case you stumble into errors, please let us know!

GreenHouse Software & Consulting
Carl Weber
Heinrichstrasse 12
D-45711 Datteln/Horneburg
Germany
E-Mail: Carl.Weber@GreenHouse.de