# Select Active File

## Overview

The **Select_Active_File** command is used to define which file(s) are active in the Visual3D workspace. This is important because most pipeline commands operate only on the currently active file(s). If multiple files are open or batch processing is used, this command gives you precise control over which trial a command affects.

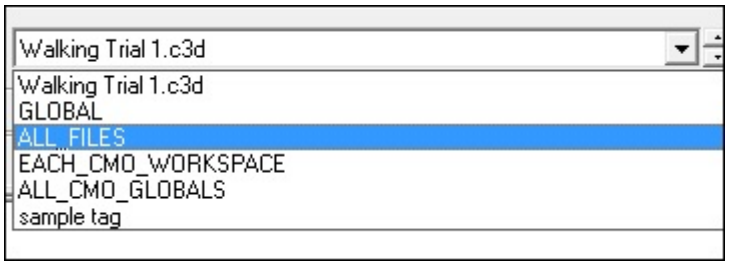
You can select files using three different mechanisms:

1. FILE_NAME- Target a file or files using full name or wildcard patterns
2. QUERY- Select based on logical tag conditions (e.g., 'TAG1' & 'NOT(TAG2)')
3. SUBJECT_TAGS- Select based on subject-level tags (metadata applied to trials)

### Understanding the File Selection Methods

## Overview

The **Select_Active_File** command in Visual3D can allow the user to select which file is active in the workspace. As many of the pipeline commands in Visual3D act on the active files only, using this command can allow you to determine which they are applied to.




### Pipeline Command

The pipeline command below is used to select the Active_Files

```
Select_Active_File
! /FILE_NAME=
! /QUERY=
! /SUBJECT_TAGS=NO_SUBJECT
;
```

#### File_Name

The parameter **/File_Name=** can be a single file, a TAG referring to all files with that TAG, or the keyword ALL_FILES, which makes all of the files in the Visual3D Workspace active.

**Note:** Visual3D defines files by their full pathname. For example, the following command will not be recognized

```
Select_Active_File
/FILE_NAME= file1.c3d
;
```

To fix the example above, you define the full pathname:

```
Select_Active_File
/FILE_NAME= c:\data\session1\file1.c3d
;
```

or you can use a wildcard:

```
Select_Active_File
/FILE_NAME= *file1.c3d
;
```

or you can specify a TAG:

```
Select_Active_File
/FILE_NAME= TAG1
;
```

#### Query

The Query option (**Visual3D Professional Only**) allows you to select a subset of the files referred by to FILE_NAME. You can query using expressions:

/QUERY=METRIC::PROCESSED::MASS > 75

#### Subject_Tags

Set the active subject tag - FOR MULTISUBJECT ONLY!

## Example 1: Global_Workspace

This example shows how to make the Global Workspace active

```
Select_Active_File
/FILE_NAME=GLOBAL
! /QUERY=
```

```
;
```

## Example 2 - ALL_FILES and OR Query

From ALL_FILES select files that are tagged TAG1 or TAG2. Note there are multiple syntaxes for the “or”. Two are shown below:

Using the “+” as the “OR” operator

```
Select_Active_File
/FILE_NAME=ALL_FILES
/QUERY=TAG1 + TAG2
;
```

Using “|” as the “OR” operator

```
Select_Active_File
/FILE_NAME=ALL_FILES
/QUERY=TAG1 | TAG2
;
```

## Example 3 - ALL_FILES AND and NOT Query

From ALL_FILES select files that are TAG1 AND NOT TAG2 using the operators “&” and “NOT”

```
Select_Active_File
/FILE_NAME=ALL_FILES
/QUERY=TAG1 & NOT(TAG2)
;
```

## Example 4 - ALL_FILES and a wildcard

From ALL_FILES select files that do not contain the wildcard *run*.c3d

This cannot be done in one step. Command will be used to tag the files prior to using the Select_Active command.

```
! Assign tag RUN to files with "run" in the pathname
Assign_Tags_To_Files
/MOTION_FILE_NAMES=*run*.c3d
! /QUERY=
/TAGS=RUN
;

! Assign tag NOT_RUN to files that are not tagged RUN
Assign_Tags_To_Files
/MOTION_FILE_NAMES=ALL_FILES
```

```
/QUERY=NOT(RUN)
/TAGS=NOT_RUN
;

! Select NOT_RUN as the active files
Select_Active_File
/FILE_NAME=NOT_RUN
! /QUERY=
;
```

Back to Pipeline Commands Reference

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https://has-motion.com/wiki/ - **Wiki Documentation Site**

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