

# Marker\_Markerless\_Comparison

(work in progress as [Manage\\_Theia3D\\_Merge](#) is a hidden command in Visual3D that is still being tested before release)

This tutorial demonstrates the merging of Theia3D output c3d files and synchronized c3d files with marker based data.

## Demo Files

Download the [zip file](#) containing folder paths and files for this tutorial.

## Merge Theia3D Files and Marker based files

The Theia3D signals will be assigned a prefix ML: and a subject tag ML The markers will be assigned a prefix M: and a subject tag M The pair of synchronized files will be merged into one file. The ground reaction force will be assigned to both models (there is a little inside trick here) Difference signals and metrics will be generated and reported. 

```
Manage_Theia3D_Processing /ROOT_FOLDER=...\Visual3D_Theia_Tutorial2\ ! /ACTION=  
/TAGS=GROUP+SESSION+TASK /PROJECT=THEIA3D_MB_ML ! /IMPORT_ANALOG_FILES=FALSE  
/MERGE_THEIA3D_FILES=TRUE /THEIA3D_SESSION_FOLDER=*_THEIA  
/THEIA3D_FILE_MASK=*pose_filt_0.c3d /THEIA3D_PREFIX=ML: /THEIA3D_SUBJECT_TAG=ML  
/OTHER3D_SESSION_FOLDER=*_QTM /OTHER3D_FILE_MASK=*walk*.c3d  
/OTHER3D_MODEL_MASK=*static*.c3d /OTHER3D_MODEL_TEMPLATE_MASK=*.mdh  
/OTHER3D_PREFIX=M: /OTHER3D_SUBJECT_TAG=M /NUMBER_OF_SESSION_FILES_ALLOWED=3  
/GCVSPL_VARIANCE=0.00001 ! /RECREATE_EVENTS=TRUE ! /QA_FORCE_ASSIGNMENTS=TRUE !  
/OPEN_CMZ_LIBRARY=FALSE ! /REPORT_COMMAND=FALSE ! /REPORT_INFO=FALSE !  
/REPORT_ERROR=FALSE ! /REPORT_WARNING=FALSE ! /INPUT_FOLDER_STRUCTURE=DEFAULT ; 
```

The resulting file contains 3 merged c3d files and 2 models 

A collection of report graphs

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