



HUMAN
Connectome
PROJECT

WU-Minn HCP 500 Subjects Data Release: Reference Manual

Appendix III – File Names and Directory Structure for 500 Subjects Data

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Introduction

This document lists all file names, directories, and subdirectories obtained when downloading data from an exemplar HCP subject (100307 for the MR Data, 012345 for the MEG data) from ConnectomeDB. For all other subjects, the filenames are identical except for the subject identifier. The file names and directory structure is the same whether you obtain data from [download from ConnectomeDB](#) or by [ordering HCP Connectome in a Box](#).

If the data are downloaded, the user may choose to download MRI or MEG, unprocessed data, preprocessed data, or analysis data or any combination of these. All data should unpack to a high level <SubjectID> directory (e.g., **100307/**, as exemplified here).

If both unprocessed and preprocessed MR data are downloaded, this high level directory will contain 5 directories (each with various additional subdirectories):

<SubjectID>/ (e.g., **100307/**)

Diffusion/

T1w/

MNINonLinear/

release-notes/

unprocessed/

The **release-notes/** directory contains text files with release notes for each data type and modality downloaded. These notes are intended to help the user keep track of the version of the data they have downloaded, including the version of the processing pipelines used to generate the files for that modality, and the execution number for that particular run of the pipelines.

release-notes/

- Diffusion_preproc.txt
- Diffusion_unproc.txt
- rfMRI_REST1_preproc.txt
- rfMRI_REST1_unproc.txt
- rfMRI_REST2_preproc.txt
- rfMRI_REST2_unproc.txt
- Structural_preproc.txt
- Structural_unproc.txt
- tfMRI_EMOTION_preproc.txt

tfMRI_EMOTION_unproc.txt
tfMRI_GAMBLING_preproc.txt
tfMRI_GAMBLING_unproc.txt
tfMRI_LANGUAGE_preproc.txt
tfMRI_LANGUAGE_unproc.txt
tfMRI_MOTOR_preproc.txt
tfMRI_MOTOR_unproc.txt
tfMRI_RELATIONAL_preproc.txt
tfMRI_RELATIONAL_unproc.txt
tfMRI_SOCIAL_preproc.txt
tfMRI_SOCIAL_unproc.txt
tfMRI_WM_preproc.txt
tfMRI_WM_unproc.txt
rfMRI_REST_fix.txt
rfMRI_REST_fix_extended.txt

If all types of MEG data are downloaded, the high level <SubjectID> directory (e.g., 012345/, as exemplified here) will contain 3 directories (each with various additional subdirectories):

<SubjectID>/ (e.g., 012345/)

release-notes/

unprocessed/

MEG/

The **release-notes/** directory contains text files with release notes for each data type and modality downloaded. These notes are intended to help the user keep track of the version of the data they have downloaded, including the version of the processing pipelines used to generate the files for that modality, and the execution number for that particular run of the pipelines. If downloading the MEG data only for a particular subject, there should only be one file in this directory:

release-notes/

MEG.txt

Section A: Unprocessed MR Data Directory Structure

All unprocessed data for each subject should unpack to the **unprocessed/3T/** directory under the **<SubjectID>** directory:

<SubjectID>/ (e.g., **100307/**)

release-notes/

**unprocessed/
3T/**

The 3T/ subdirectory signifies that these data were acquired on the 3T Connectome Skyra at Wash U. For the subjects that are later scanned at 7T (200 of the 1200), the 7T data will unpack to a 7T/ subdirectory.

Unprocessed data for exemplar subject 100307 unpacks to the following directory structure:

```
100307/unprocessed/3T/  
  100307_3T.csv  
  Diffusion/  
  rfMRI_REST1_LR/  
  rfMRI_REST1_RL/  
  rfMRI_REST2_LR/  
  rfMRI_REST2_RL/  
  T1w_MPR1/  
  T2w_SPC1/  
  tfMRI_EMOTION_LR/  
  tfMRI_EMOTION_RL/  
  tfMRI_GAMBLING_LR/  
  tfMRI_GAMBLING_RL/  
  tfMRI_LANGUAGE_LR/  
  tfMRI_LANGUAGE_RL/  
  tfMRI_MOTOR_LR/  
  tfMRI_MOTOR_RL/  
  tfMRI_RELATIONAL_LR/  
  tfMRI_RELATIONAL_RL/  
  tfMRI_SOCIAL_LR/  
  tfMRI_SOCIAL_RL/  
  tfMRI_WM_LR/  
  tfMRI_WM_RL/
```

Diffusion Data

Diffusion/

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_DWI_dir95_LR_SBRef.nii.gz
100307_3T_DWI_dir95_LR.bval
100307_3T_DWI_dir95_LR.bvec
100307_3T_DWI_dir95_LR.nii.gz
100307_3T_DWI_dir95_RL_SBRef.nii.gz
100307_3T_DWI_dir95_RL.bval
100307_3T_DWI_dir95_RL.bvec
100307_3T_DWI_dir95_RL.nii.gz
100307_3T_DWI_dir96_LR_SBRef.nii.gz
100307_3T_DWI_dir96_LR.bval
100307_3T_DWI_dir96_LR.bvec
100307_3T_DWI_dir96_LR.nii.gz
100307_3T_DWI_dir96_RL_SBRef.nii.gz
100307_3T_DWI_dir96_RL.bval
100307_3T_DWI_dir96_RL.bvec
100307_3T_DWI_dir96_RL.nii.gz
100307_3T_DWI_dir97_LR_SBRef.nii.gz
100307_3T_DWI_dir97_LR.bval
100307_3T_DWI_dir97_LR.bvec
100307_3T_DWI_dir97_LR.nii.gz
100307_3T_DWI_dir97_RL_SBRef.nii.gz
100307_3T_DWI_dir97_RL.bval
100307_3T_DWI_dir97_RL.bvec
100307_3T_DWI_dir97_RL.nii.gz

Structural Data

T1w_MPR1/

100307_3T_AFI.nii.gz
100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_FieldMap_Magnitude.nii.gz
100307_3T_FieldMap_Phase.nii.gz
100307_3T_T1w_MPR1.nii.gz



T2w_SPC1/

100307_3T_AFI.nii.gz
100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_FieldMap_Magnitude.nii.gz
100307_3T_FieldMap_Phase.nii.gz
100307_3T_T2w_SPC1.nii.gz

Resting State rfMRI Data

rfMRI_REST1_LR

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_rfMRI_REST1_LR_SBRef.nii.gz
100307_3T_rfMRI_REST1_LR.nii.gz
100307_3T_rfMRI_REST1_LR_Physio_log.txt
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz

rfMRI_REST1_RL

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_rfMRI_REST1_RL_SBRef.nii.gz
100307_3T_rfMRI_REST1_RL.nii.gz
100307_3T_rfMRI_REST1_RL_Physio_log.txt
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz

rfMRI_REST2_LR

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_rfMRI_REST2_LR_SBRef.nii.gz
100307_3T_rfMRI_REST2_LR.nii.gz
100307_3T_rfMRI_REST2_LR_Physio_log.txt
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz

rfMRI_REST2_RL

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz

100307_3T_rfMRI_REST2_RL_SBRef.nii.gz
100307_3T_rfMRI_REST2_RL.nii.gz
100307_3T_rfMRI_REST2_RL_Physio_log.txt
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz

Task tfMRI Data

Emotion Processing

tfMRI_EMOTION_LR

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_EMOTION_LR_SBRef.nii.gz
100307_3T_tfMRI_EMOTION_LR.nii.gz

tfMRI_EMOTION_LR/LINKED_DATA/EPRIME

100307_3T_EMOTION_run2_TAB.txt

tfMRI_EMOTION_LR/LINKED_DATA/EPRIME/EVs

fear.txt
neut.txt
Stats.txt
Sync.txt

tfMRI_EMOTION_LR/LINKED_DATA/PHYSIO

100307_3T_tfMRI_EMOTION_LR_Physio_log.txt

tfMRI_EMOTION_RL

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_EMOTION_RL_SBRef.nii.gz
100307_3T_tfMRI_EMOTION_RL.nii.gz

tfMRI_EMOTION_RL/LINKED_DATA/EPRIME

100307_3T_EMOTION_run2_TAB.txt

tfMRI_EMOTION_RL/LINKED_DATA/EPRIME/EVs

fear.txt
neut.txt
Stats.txt
Sync.txt

tfMRI_EMOTION_RL/LINKED_DATA/PHYSIO

100307_3T_tfMRI_EMOTION_RL_Physio_log.txt

Gambling**tfMRI_GAMBLING_LR**

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_GAMBLING_LR_SBRef.nii.gz
100307_3T_tfMRI_GAMBLING_LR.nii.gz

tfMRI_GAMBLING_LR/LINKED_DATA/EPRIME

100307_3T_GAMBLING_run2_TAB.txt

tfMRI_GAMBLING_LR/LINKED_DATA/EPRIME/EVs

loss_event.txt
loss.txt
neut_event.txt
Stats.txt
Sync.txt
win_event.txt
win.txt

tfMRI_GAMBLING_LR/LINKED_DATA/PHYSIO

100307_3T_tfMRI_GAMBLING_LR_Physio_log.txt

tfMRI_GAMBLING_RL

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_GAMBLING_RL_SBRef.nii.gz

100307_3T_tfMRI_GAMBLING_RL.nii.gz

tfMRI_GAMBLING_RL/LINKED_DATA/EPRIME

100307_3T_GAMBLING_run1_TAB.txt

tfMRI_GAMBLING_RL/LINKED_DATA/EPRIME/EVs

loss_event.txt

loss.txt

neut_event.txt

Stats.txt

Sync.txt

win_event.txt

win.txt

tfMRI_GAMBLING_RL/LINKED_DATA/PHYSIO

100307_3T_tfMRI_GAMBLING_RL_Physio_log.txt

Language Processing

tfMRI_LANGUAGE_LR

100307_3T_BIAS_32CH.nii.gz

100307_3T_BIAS_BC.nii.gz

100307_3T_SpinEchoFieldMap_LR.nii.gz

100307_3T_SpinEchoFieldMap_RL.nii.gz

100307_3T_tfMRI_LANGUAGE_LR_SBRef.nii.gz

100307_3T_tfMRI_LANGUAGE_LR.nii.gz

tfMRI_LANGUAGE_LR/LINKED_DATA/EPRIME

100307_3T_LANGUAGE_run2_TAB.txt

tfMRI_LANGUAGE_LR/LINKED_DATA/EPRIME/EVs

cue.txt

math.txt

present_math.txt

present_story.txt

question_math.txt

question_story.txt

response_math.txt

response_story.txt

Stats.txt

story.txt

Sync.txt

tfMRI_LANGUAGE_LR/LINKED_DATA/PHYSIO

100307_3T_tfMRI_LANGUAGE_LR_Physio_log.txt

tfMRI_LANGUAGE_RL

100307_3T_BIAS_32CH.nii.gz

100307_3T_BIAS_BC.nii.gz

100307_3T_SpinEchoFieldMap_LR.nii.gz

100307_3T_SpinEchoFieldMap_RL.nii.gz

100307_3T_tfMRI_LANGUAGE_RL_SBRef.nii.gz

100307_3T_tfMRI_LANGUAGE_RL.nii.gz

tfMRI_LANGUAGE_RL/LINKED_DATA/EPRIME

100307_3T_LANGUAGE_run1_TAB.txt

tfMRI_LANGUAGE_RL/LINKED_DATA/EPRIME/EVs

cue.txt

math.txt

present_math.txt

present_story.txt

question_math.txt

question_story.txt

response_math.txt

response_story.txt

Stats.txt

story.txt

Sync.txt

tfMRI_LANGUAGE_RL/LINKED_DATA/PHYSIO

100307_3T_tfMRI_LANGUAGE_RL_Physio_log.txt

Motor

tfMRI_MOTOR_LR

100307_3T_BIAS_32CH.nii.gz

100307_3T_BIAS_BC.nii.gz

100307_3T_SpinEchoFieldMap_LR.nii.gz

100307_3T_SpinEchoFieldMap_RL.nii.gz

100307_3T_tfMRI_MOTOR_LR_SBRef.nii.gz

100307_3T_tfMRI_MOTOR_LR.nii.gz

tfMRI_MOTOR_LR/LINKED_DATA/EPRIME/

100307_3T_MOTOR_run2_TAB.txt

tfMRI_MOTOR_LR/LINKED_DATA/EPRIME/EVs

cue.txt

lf.txt

lh.txt

rf.txt

rh.txt

Sync.txt

t.txt

tfMRI_MOTOR_LR/LINKED_DATA/PHYSIO

100307_3T_tfMRI_MOTOR_LR_Physio_log.txt

tfMRI_MOTOR_RL

100307_3T_BIAS_32CH.nii.gz

100307_3T_BIAS_BC.nii.gz

100307_3T_SpinEchoFieldMap_LR.nii.gz

100307_3T_SpinEchoFieldMap_RL.nii.gz

100307_3T_tfMRI_MOTOR_RL_SBRef.nii.gz

100307_3T_tfMRI_MOTOR_RL.nii.gz

tfMRI_MOTOR_RL/LINKED_DATA/EPRIME/

100307_3T_MOTOR_run1_TAB.txt

tfMRI_MOTOR_RL/LINKED_DATA/EPRIME/EVs

cue.txt

lf.txt

lh.txt

rf.txt

rh.txt

Sync.txt

t.txt

tfMRI_MOTOR_RI/LINKED_DATA/PHYSIO

100307_3T_tfMRI_MOTOR_RL_Physio_log.txt

Relational Processing

tfMRI_RELATIONAL_LR

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_RELATIONAL_LR_SBRef.nii.gz
100307_3T_tfMRI_RELATIONAL_LR.nii.gz

tfMRI_RELATIONAL_LR/LINKED_DATA/EPRIME

100307_3T_RELATIONAL_run2_TAB.txt

tfMRI_RELATIONAL_LR/LINKED_DATA/EPRIME/EVs

error.txt
match.txt
relation.txt
Stats.txt
Sync.txt

tfMRI_RELATIONAL_LR/LINKED_DATA/PHYSIO

100307_3T_tfMRI_RELATIONAL_LR_Physio_log.txt

tfMRI_RELATIONAL_RL

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_RELATIONAL_RL_SBRef.nii.gz
100307_3T_tfMRI_RELATIONAL_RL.nii.gz

tfMRI_RELATIONAL_RL/LINKED_DATA/EPRIME

100307_3T_RELATIONAL_run3_TAB.txt

tfMRI_RELATIONAL_RL/LINKED_DATA/EPRIME/EVs

error.txt
match.txt
relation.txt
Stats.txt
Sync.txt

tfMRI_RELATIONAL_RL/LINKED_DATA/PHYSIO

100307_3T_tfMRI_RELATIONAL_RL_Physio_log.txt

Social Cognition

tfMRI_SOCIAL_LR

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_SOCIAL_LR_SBRef.nii.gz
100307_3T_tfMRI_SOCIAL_LR.nii.gz

tfMRI_SOCIAL_LR/LINKED_DATA/EPRIME

100307_3T_SOCIAL_run2_TAB.txt

tfMRI_SOCIAL_LR/LINKED_DATA/EPRIME/EVs

mental_resp.txt
mental.txt
other_resp.txt
rnd.txt
Stats.txt
Sync.txt

tfMRI_SOCIAL_LR/LINKED_DATA/PHYSIO

100307_3T_tfMRI_SOCIAL_LR_Physio_log.txt

tfMRI_SOCIAL_RL

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_SOCIAL_RL_SBRef.nii.gz
100307_3T_tfMRI_SOCIAL_RL.nii.gz

tfMRI_SOCIAL_RL/LINKED_DATA/EPRIME

100307_3T_SOCIAL_run1_TAB.txt

tfMRI_SOCIAL_RL/LINKED_DATA/EPRIME/EVs

mental_resp.txt
mental.txt

other_resp.txt
rnd.txt
Stats.txt
Sync.txt

tfMRI_SOCIAL_RL/LINKED_DATA/PHYSIO

100307_3T_tfMRI_SOCIAL_RL_Physio_log.txt

Working Memory

tfMRI_WM_LR

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_WM_LR_SBRef.nii.gz
100307_3T_tfMRI_WM_LR.nii.gz

tfMRI_WM_LR/LINKED_DATA/EPRIME

100307_3T_REC_run2_TAB.txt
100307_3T_WM_run2_TAB.txt

tfMRI_WM_LR/LINKED_DATA/EPRIME/EVs

0bk_body.txt
0bk_cor.txt
0bk_err.txt
0bk_faces.txt
0bk_nlr.txt
0bk_places.txt
0bk_tools.txt
2bk_body.txt
2bk_cor.txt
2bk_err.txt
2bk_faces.txt
2bk_nlr.txt
2bk_places.txt
2bk_tools.txt
all_bk_cor.txt
all_bk_err.txt
Stats.txt
Sync.txt

tfMRI_WM_LR/LINKED_DATA/PHYSIO

100307_3T_tfMRI_WM_LR_Physio_log.txt

tfMRI_WM_RL

100307_3T_BIAS_32CH.nii.gz
100307_3T_BIAS_BC.nii.gz
100307_3T_SpinEchoFieldMap_LR.nii.gz
100307_3T_SpinEchoFieldMap_RL.nii.gz
100307_3T_tfMRI_WM_RL_SBRef.nii.gz
100307_3T_tfMRI_WM_RL.nii.gz

tfMRI_WM_RL/LINKED_DATA/EPRIME

100307_3T_REC_run1_TAB.txt
100307_3T_WM_run1_TAB.txt

tfMRI_WM_RL/LINKED_DATA/EPRIME/EVs

0bk_body.txt
0bk_cor.txt
0bk_err.txt
0bk_faces.txt
0bk_nlr.txt
0bk_places.txt
0bk_tools.txt
2bk_body.txt
2bk_cor.txt
2bk_err.txt
2bk_faces.txt
2bk_nlr.txt
2bk_places.txt
2bk_tools.txt
all_bk_cor.txt
all_bk_err.txt
Stats.txt
Sync.txt

tfMRI_WM_RL/LINKED_DATA/PHYSIO

100307_3T_tfMRI_WM_RL_Physio_log.txt

Section B: Preprocessed MR Data Directory Structure

All minimally preprocessed data should unpack to a high level <SubjectID> directory (e.g., **100307/**, as exemplified here) that includes 3 (and only 3) subdirectories (each with various additional subdirectories)

<SubjectID>/ (e.g., **100307/**)

Diffusion/

T1w/

MNINonLinear/

Diffusion Data

T1w/

T1w_acpc_dc_restore_1.25.nii.gz

T1w/Diffusion/

bvals

bvecs

data.nii.gz

nodif_brain_mask.nii.gz

grad_dev.nii.gz

Structural Volume and Surface Data

T1w/

100307_3T.csv

aparc.a2009s+aseg.nii.gz

aparc+aseg.nii.gz

BiasField_acpc_dc.nii.gz

brainmask_fs.nii.gz

ribbon.nii.gz

T1w_acpc_dc_restore_brain.nii.gz

T1w_acpc_dc_restore.nii.gz

T1w_acpc_dc.nii.gz

T1wDividedByT2w_ribbon.nii.gz

T1wDividedByT2w.nii.gz

T2w_acpc_dc_restore_brain.nii.gz
T2w_acpc_dc_restore.nii.gz
T2w_acpc_dc.nii.gz
wmparc.nii.gz

T1w/Native/

100307.L.inflated.native.surf.gii
100307.L.midthickness.native.surf.gii
100307.L.pial.native.surf.gii
100307.L.very_inflated.native.surf.gii
100307.L.white.native.surf.gii
100307.native.wb.spec
100307.R.inflated.native.surf.gii
100307.R.midthickness.native.surf.gii
100307.R.pial.native.surf.gii
100307.R.very_inflated.native.surf.gii
100307.R.white.native.surf.gii

T1w/fsaverage_LR32k/

100307.32k_fs_LR.wb.spec
100307.L.inflated.32k_fs_LR.surf.gii
100307.L.midthickness.32k_fs_LR.surf.gii
100307.L.pial.32k_fs_LR.surf.gii
100307.L.very_inflated.32k_fs_LR.surf.gii
100307.L.white.32k_fs_LR.surf.gii
100307.R.inflated.32k_fs_LR.surf.gii
100307.R.midthickness.32k_fs_LR.surf.gii
100307.R.pial.32k_fs_LR.surf.gii
100307.R.very_inflated.32k_fs_LR.surf.gii
100307.R.white.32k_fs_LR.surf.gii

MNINonLinear/Native/

100307.aparc.a2009s.native.dlabel.nii
100307.aparc.native.dlabel.nii
100307.ArealDistortion.native.dscalar.nii
100307.BA.native.dlabel.nii
100307.corrThickness.native.dscalar.nii
100307.curvature.native.dscalar.nii
100307.L.aparc.a2009s.native.label.gii
100307.L.aparc.native.label.gii
100307.L.ArealDistortion.native.shape.gii
100307.L.BA.native.label.gii



100307.L.BiasField.native.func.gii
100307.L.corrThickness.native.shape.gii
100307.L.curvature.native.shape.gii
100307.L.inflated.native.surf.gii
100307.L.midthickness.native.surf.gii
100307.L.MyelinMap.native.func.gii
100307.L.MyelinMap_BC.native.func.gii
100307.L.pial.native.surf.gii
100307.L.RefMyelinMap.native.func.gii
100307.L.roi.native.shape.gii
100307.L.SmoothedMyelinMap.native.func.gii
100307.L.SmoothedMyelinMap_BC.native.func.gii
100307.L.sphere.native.surf.gii
100307.L.sphere.reg.native.surf.gii
100307.L.sphere.reg.reg_LR.native.surf.gii
100307.L.sulc.native.shape.gii
100307.L.thickness.native.shape.gii
100307.L.very_inflated.native.surf.gii
100307.L.white.native.surf.gii
100307.MyelinMap.native.dscalar.nii
100307.MyelinMap_BC.native.dscalar.nii
100307.native.wb.spec
100307.R.aparc.a2009s.native.label.gii
100307.R.aparc.native.label.gii
100307.R.ArealDistortion.native.shape.gii
100307.R.BA.native.label.gii
100307.R.BiasField.native.func.gii
100307.R.corrThickness.native.shape.gii
100307.R.curvature.native.shape.gii
100307.R.inflated.native.surf.gii
100307.R.midthickness.native.surf.gii
100307.R.MyelinMap.native.func.gii
100307.R.MyelinMap_BC.native.func.gii
100307.R.pial.native.surf.gii
100307.R.RefMyelinMap.native.func.gii
100307.R.roi.native.shape.gii
100307.R.SmoothedMyelinMap.native.func.gii
100307.R.SmoothedMyelinMap_BC.native.func.gii
100307.R.sphere.native.surf.gii
100307.R.sphere.reg.native.surf.gii
100307.R.sphere.reg.reg_LR.native.surf.gii



100307.R.sulc.native.shape.gii
100307.R.thickness.native.shape.gii
100307.R.very_inflated.native.surf.gii
100307.R.white.native.surf.gii
100307.SmoothedMyelinMap.native.dscalar.nii
100307.SmoothedMyelinMap_BC.native.dscalar.nii
100307.sulc.native.dscalar.nii
100307.thickness.native.dscalar.nii

MNINonLinear/

100307.164k_fs_LR.wb.spec
100307.aparc.164k_fs_LR.dlabel.nii
100307.aparc.a2009s.164k_fs_LR.dlabel.nii
100307.ArealDistortion.164k_fs_LR.dscalar.nii
100307.BA.164k_fs_LR.dlabel.nii
100307.corrThickness.164k_fs_LR.dscalar.nii
100307.curvature.164k_fs_LR.dscalar.nii
100307.L.aparc.164k_fs_LR.label.gii
100307.L.aparc.a2009s.164k_fs_LR.label.gii
100307.L.ArealDistortion.164k_fs_LR.shape.gii
100307.L.atlasroi.164k_fs_LR.shape.gii
100307.L.BA.164k_fs_LR.label.gii
100307.L.corrThickness.164k_fs_LR.shape.gii
100307.L.curvature.164k_fs_LR.shape.gii
100307.L.inflated.164k_fs_LR.surf.gii
100307.L.midthickness.164k_fs_LR.surf.gii
100307.L.MyelinMap.164k_fs_LR.func.gii
100307.L.MyelinMap_BC.164k_fs_LR.func.gii
100307.L.RefMyelinMap.164k_fs_LR.func.gii
100307.L.pial.164k_fs_LR.surf.gii
100307.L.SmoothedMyelinMap.164k_fs_LR.func.gii
100307.L.SmoothedMyelinMap_BC.164k_fs_LR.func.gii
100307.L.sphere.164k_fs_LR.surf.gii
100307.L.sulc.164k_fs_LR.shape.gii
100307.L.thickness.164k_fs_LR.shape.gii
100307.L.very_inflated.164k_fs_LR.surf.gii
100307.L.white.164k_fs_LR.surf.gii
100307.MyelinMap.164k_fs_LR.dscalar.nii
100307.MyelinMap_BC.164k_fs_LR.dscalar.nii
100307.R.aparc.164k_fs_LR.label.gii
100307.R.aparc.a2009s.164k_fs_LR.label.gii



100307.R.ArealDistortion.164k_fs_LR.shape.gii
100307.R.atlasroi.164k_fs_LR.shape.gii
100307.R.BA.164k_fs_LR.label.gii
100307.R.corrThickness.164k_fs_LR.shape.gii
100307.R.curvature.164k_fs_LR.shape.gii
100307.R.inflated.164k_fs_LR.surf.gii
100307.R.midthickness.164k_fs_LR.surf.gii
100307.R.MyelinMap.164k_fs_LR.func.gii
100307.R.MyelinMap_BC.164k_fs_LR.func.gii
100307.R.RefMyelinMap.164k_fs_LR.func.gii
100307.R.pial.164k_fs_LR.surf.gii
100307.R.SmoothedMyelinMap.164k_fs_LR.func.gii
100307.R.SmoothedMyelinMap_BC.164k_fs_LR.func.gii
100307.R.sphere.164k_fs_LR.surf.gii
100307.R.sulc.164k_fs_LR.shape.gii
100307.R.thickness.164k_fs_LR.shape.gii
100307.R.very_inflated.164k_fs_LR.surf.gii
100307.R.white.164k_fs_LR.surf.gii
100307.SmoothedMyelinMap.164k_fs_LR.dscalar.nii
100307.SmoothedMyelinMap_BC.164k_fs_LR.dscalar.nii
100307.sulc.164k_fs_LR.dscalar.nii
100307.thickness.164k_fs_LR.dscalar.nii
aparc.a2009s+aseg.nii.gz
aparc+aseg.nii.gz
BiasField.nii.gz
brainmask_fs.nii.gz
ribbon.nii.gz
T1w_restore_brain.nii.gz
T1w_restore.nii.gz
T1w_restore.2.nii.gz
T1w.nii.gz
T2w_restore_brain.nii.gz
T2w_restore.nii.gz
T2w_restore.2.nii.gz
T2w.nii.gz
wmparc.nii.gz

MNINonLinear/xfms/

acpc_dc2standard.nii.gz
NonlinearRegJacobians.nii.gz
standard2acpc_dc.nii.gz

MNINonLinear/fsaverage_LR32k

100307.32k_fs_LR.wb.spec
 100307.aparc.32k_fs_LR.dlabel.nii
 100307.aparc.a2009s.32k_fs_LR.dlabel.nii
 100307.ArealDistortion.32k_fs_LR.dscalar.nii
 100307.BA.32k_fs_LR.dlabel.nii
 100307.corrThickness.32k_fs_LR.dscalar.nii
 100307.curvature.32k_fs_LR.dscalar.nii
 100307.L.aparc.32k_fs_LR.label.gii
 100307.L.aparc.a2009s.32k_fs_LR.label.gii
 100307.L.ArealDistortion.32k_fs_LR.shape.gii
 100307.L.atlasroi.32k_fs_LR.shape.gii
 100307.L.BA.32k_fs_LR.label.gii
 100307.L.corrThickness.32k_fs_LR.shape.gii
 100307.L.curvature.32k_fs_LR.shape.gii
 100307.L.inflated.32k_fs_LR.surf.gii
 100307.L.midthickness.32k_fs_LR.surf.gii
 100307.L.MyelinMap.32k_fs_LR.func.gii
 100307.L.MyelinMap_BC.32k_fs_LR.func.gii
 100307.L.pial.32k_fs_LR.surf.gii
 100307.L.SmoothedMyelinMap.32k_fs_LR.func.gii
 100307.L.SmoothedMyelinMap_BC.32k_fs_LR.func.gii
 100307.L.sphere.32k_fs_LR.surf.gii
 100307.L.sulc.32k_fs_LR.shape.gii
 100307.L.thickness.32k_fs_LR.shape.gii
 100307.L.very_inflated.32k_fs_LR.surf.gii
 100307.L.white.32k_fs_LR.surf.gii
 100307.MyelinMap.32k_fs_LR.dscalar.nii
 100307.MyelinMap_BC.32k_fs_LR.dscalar.nii
 100307.R.aparc.32k_fs_LR.label.gii
 100307.R.aparc.a2009s.32k_fs_LR.label.gii
 100307.R.ArealDistortion.32k_fs_LR.shape.gii
 100307.R.atlasroi.32k_fs_LR.shape.gii
 100307.R.BA.32k_fs_LR.label.gii
 100307.R.corrThickness.32k_fs_LR.shape.gii
 100307.R.curvature.32k_fs_LR.shape.gii
 100307.R.inflated.32k_fs_LR.surf.gii
 100307.R.midthickness.32k_fs_LR.surf.gii
 100307.R.MyelinMap.32k_fs_LR.func.gii
 100307.R.MyelinMap_BC.32k_fs_LR.func.gii
 100307.R.pial.32k_fs_LR.surf.gii

100307.R.SmoothedMyelinMap.32k_fs_LR.func.gii
 100307.R.SmoothedMyelinMap_BC.32k_fs_LR.func.gii
 100307.R.sphere.32k_fs_LR.surf.gii
 100307.R.sulc.32k_fs_LR.shape.gii
 100307.R.thickness.32k_fs_LR.shape.gii
 100307.R.very_inflated.32k_fs_LR.surf.gii
 100307.R.white.32k_fs_LR.surf.gii
 100307.SmoothedMyelinMap.32k_fs_LR.dscalar.nii
 100307.SmoothedMyelinMap_BC.32k_fs_LR.dscalar.nii
 100307.sulc.32k_fs_LR.dscalar.nii
 100307.thickness.32k_fs_LR.dscalar.nii

MNINonLinear/ ROIs/

Atlas_ROIs.2.nii.gz
 Atlas_wmparc.2.nii.gz
 ROIs.2.nii.gz
 wmparc.2.nii.gz

rfMRI and tfMRI Volume Data

rfMRI Processing

MNINonLinear/Results/ contains subdirectories for 4 rfMRI scans (15 min each),

rfMRI_REST1_LR
 rfMRI_REST1_RL
 rfMRI_REST2_LR
 rfMRI_REST2_RL

with the subdirectories:

MNINonLinear/Results/rfMRI_REST1_LR/

Movement_Regressors_dt.txt
 Movement_Regressors.txt
 Movement_AbsoluteRMS.txt
 Movement_AbsoluteRMS_mean.txt
 Movement_RelativeRMS.txt
 Movement_RelativeRMS_mean.txt
 rfMRI_REST1_LR_Atlas.dtseries.nii
 rfMRI_REST1_LR_Jacobian.nii.gz
 rfMRI_REST1_LR_SBRef.nii.gz
 rfMRI_REST1_LR.nii.gz

rfMRI_REST1_LR_Physio_log.txt

**MNINonLinear/Results/rfMRI_REST1_LR/RibbonVolumeToSurfaceMapping/
goodvoxels.nii.gz**

The file names for the other 3 rfMRI scans are similar.

tfMRI Processing

MNINonLinear/Results/ contains 7 pairs of tfMRI scans (each task run once with right-to-left and once with left-to-right phase encoding):

tfMRI_EMOTION_LR
tfMRI_EMOTION_RL
tfMRI_GAMBLING_LR
tfMRI_GAMBLING_RL
tfMRI_LANGUAGE_LR
tfMRI_LANGUAGE_RL
tfMRI_MOTOR_LR
tfMRI_MOTOR_RL
tfMRI_RELATIONAL_LR
tfMRI_RELATIONAL_RL
tfMRI_SOCIAL_LR
tfMRI_SOCIAL_RL
tfMRI_WM_LR
tfMRI_WM_RL

MNINonLinear/Results/tfMRI_EMOTION_LR/
EMOTION_run2_TAB.txt
Movement_Regressors_dt.txt
Movement_Regressors.txt
Movement_AbsoluteRMS.txt
Movement_AbsoluteRMS_mean.txt
Movement_RelativeRMS.txt
Movement_RelativeRMS_mean.txt
RibbonVolumeToSurfaceMapping/
tfMRI_EMOTION_LR_Atlas.dtseries.nii
tfMRI_EMOTION_LR_hp200_s4_level1.fsf
tfMRI_EMOTION_LR_Jacobian.nii.gz
tfMRI_EMOTION_LR_SBRef.nii.gz
tfMRI_EMOTION_LR.nii.gz
tfMRI_EMOTION_LR_Physio_log.txt

MNINonLinear/Results/tfMRI_EMOTION_LR/EVs/

fear.txt
neut.txt
Stats.txt
Sync.txt

**MNINonLinear/Results/tfMRI_EMOTION_LR/RibbonVolumeToSurfaceMapping/
goodvoxels.nii.gz**

The file names for the other 13 tfMRI scans are similar.

tfMRI Level 2 Processing

MNINonLinear/Results/ also contains 7 other directories, one for each task:

tfMRI_EMOTION
tfMRI_GAMBLING
tfMRI_LANGUAGE
tfMRI_MOTOR
tfMRI_RELATIONAL
tfMRI_SOCIAL
tfMRI_WM

These directories contain an .fsf file that can be used to run a higher-level analysis across the two runs of each task. They also contain a script (prepare_level2_feat_analysis.sh) that must be run first, to set up appropriate registration matrices in the lower-level outputs:

**MNINonLinear/Results/tfMRI_EMOTION/
prepare_level2_feat_analysis.sh
tfMRI_EMOTION_hp200_s4_level2.fsf**

The file names for the other 7 tasks are similar.

Section C: ICA-FIX rfMRI Data Directory Structure

The **fix** (compact, 1.4 GB per subject) and **fix_extended** (7.4 GB per subject) and structurally denoised ICA-FIX cleaned rfMRI data packages should unpack into the `<SubjectID>/MNINonLinear/Results/` directory (e.g., **100307/MNINonLinear/Results/**, as exemplified here) that contains subdirectories for 4 rfMRI scans (15 min each):

100307/MNINonLinear/Results/

- rfMRI_REST1_LR/
- rfMRI_REST1_RL/
- rfMRI_REST2_LR/
- rfMRI_REST2_RL/

Fix (compact version containing only grayordinate timeseries data)

For the **fix** data, the subdirectories have the following contents:

MNINonLinear/Results/rfMRI_REST1_LR/

- rfMRI_REST1_LR_Atlas_hp2000_clean.dtseries.nii

The file names for the other 3 rfMRI scans are similar.

Fix_extended (containing volume time series data and ICA data)

For the **fix_extended** data, the subdirectories have the following contents:

MNINonLinear/Results/rfMRI_REST1_LR/

- rfMRI_REST1_LR_hp2000_clean.nii.gz

MNINonLinear/Results/rfMRI_REST1_LR/rfMRI_REST1_LR_hp2000.ica/

- fix4melview_HCP_hp2000_thr5.txt

MNINonLinear/Results/rfMRI_REST1_LR/rfMRI_REST1_LR_hp2000.ica/filtered_func_data.ica

- eigenvalues_percent
- log.txt
- melodic_FTMix
- melodic_IC.nii.gz
- melodic_ICstats

melodic_mix
melodic_oIC.nii.gz
melodic_Tmodes

**MNINonLinear/Results/rfMRI_REST1_LR/rfMRI_REST1_LR_hp2000.ica/filtered_func_data.
ica/report**

00index.html [start with this to navigate the dataset]

EVplot.png

f1.txt

f1.png

...and so on for f2-f88

f89.txt

f89.png

head.html

IC_1_MM.html

IC_1_MMfit.png

IC_1_prob.png

IC_1_thresh.png

IC_1.html

IC_1.png

...and so on for IC_2-IC_88

IC_89_MM.html

IC_89_MMfit.png

IC_89_prob.png

IC_89_thresh.png

IC_89.html

IC_89.png

log.html

nav.html

t1.png

t1.txt

...and so on for f2-f88

t89.png

t89.txt

The file names for the other 3 rfMRI scans are similar.

Section D: tfMRI Individual FEAT-Analyzed Data Directory Structure

The individual cross-run FEAT analyzed tfMRI data (grayordinates-based) download packages for each available smoothing level should unpack into the <SubjectID>/MNINonLinear/Results/ directory (e.g., **100307/MNINonLinear/Results/**, as exemplified here) that contains 7 cross-run subdirectories, one for each task:

tfMRI_EMOTION
tfMRI_GAMBLING
tfMRI_LANGUAGE
tfMRI_MOTOR
tfMRI_RELATIONAL
tfMRI_SOCIAL
tfMRI_WM

These directories contain a .feat subdirectory that indicates the grayordinates smoothing level (e.g. **s4** in this example for 4mm smoothing) that contains the output grayordinates CIFTI, list of contrast names for viewing in Connectome Workbench, design files for the cross-run (level 2) FEAT analysis, and a subdirectory for grayordinate statistics:

MNINonLinear/Results/tfMRI_EMOTION/tfMRI_EMOTION_hp200_s4**_level2.feat/**

100307_tfMRI_EMOTION_level2_hp200_s4.dscalar.nii
Contrasts.txt
design_cov.png
design_cov.ppm
design.con
design.fsf
design.grp
design.mat
design.png
design.ppm

MNINonLinear/Results/tfMRI_EMOTION/tfMRI_EMOTION_hp200_s4_level2.feat/GrayordinatesStats

cope1.feat/
cope2.feat/
cope3.feat/
cope4.feat/
cope5.feat/
cope6.feat/

MNINonLinear/Results/tfMRI_EMOTION/tfMRI_EMOTION_hp200_s4_level2.feats/GrayordinatesStats/cope1.feats

- cope1.dtseries.nii
- logfile
- mask.dtseries.nii
- mean_random_effects_var1.dtseries.nii
- pe1.dtseries.nii
- res4d.dtseries.nii
- tdof_t1.dtseries.nii
- tstat1.dtseries.nii
- varcope1.dtseries.nii
- weights1.dtseries.nii
- zflame1lowerstat1.dtseries.nii
- zflame1upperstat1.dtseries.nii
- zstat1.dtseries.nii

The file names for the 5 other copes.feats subdirectories are similar.

The file names for the other smoothing levels and other 6 tasks are similar

Section E: Unprocessed MEG Data Directory Structure

All unprocessed data for each subject should unpack to the **unprocessed/MEG/** directory under the **<SubjectID>** directory:

<SubjectID>/ (e.g., **012345/**)

release-notes/

unprocessed/
MEG/

The MEG/ subdirectory signifies that these data were acquired in the MEG lab at SLU. Since all subjects will also be scanned at 3T Connectome Skyra at Wash U, the 3T data will unpack to a 3T/ subdirectory. Some subjects might be scanned at the 7T scanner, for those the data will unpack in the 7T/ subdirectory.

Unprocessed data for exemplar subject 012345 unpacks to the following directory structure:

```
012345/unprocessed/MEG/
  1-Rnoise/4D/config
  1-Rnoise/4D/c,rfDC
  2-Pnoise/4D/config
  2-Pnoise/4D/c,rfDC
  3-Restin/4D/config
  3-Restin/4D/c,rfDC
  3-Restin/4D/e,rfhp1.0Hz,COH
  3-Restin/4D/e,rfhp1.0Hz,COH1
  3-Restin/4D/hs_file
  4-Restin/4D/config
  4-Restin/4D/c,rfDC
  4-Restin/4D/e,rfhp1.0Hz,COH
  4-Restin/4D/e,rfhp1.0Hz,COH1
  4-Restin/4D/hs_file
  5-Restin/4D/config
  5-Restin/4D/c,rfDC
  5-Restin/4D/e,rfhp1.0Hz,COH
  5-Restin/4D/e,rfhp1.0Hz,COH1
  5-Restin/4D/hs_file
  6-Wrkmem/4D/config
  6-Wrkmem/4D/c,rfDC
```



6-Wrkmem/4D/e,rhfp1.0Hz,COH
6-Wrkmem/4D/e,rhfp1.0Hz,COH1
6-Wrkmem/4D/hs_file
6-Wrkmem/EPRIME/012345_MEG_Wrkmem_run1.xlsx
6-Wrkmem/EPRIME/012345_MEG_Wrkmem_run1.tab
7-Wrkmem/4D/config
7-Wrkmem/4D/c,rfDC
7-Wrkmem/4D/e,rhfp1.0Hz,COH
7-Wrkmem/4D/e,rhfp1.0Hz,COH1
7-Wrkmem/4D/hs_file
7-Wrkmem/EPRIME/012345_MEG_Wrkmem_run2.xlsx
7-Wrkmem/EPRIME/012345_MEG_Wrkmem_run2.tab
8-StoryM/4D/config
8-StoryM/4D/c,rfDC
8-StoryM/4D/e,rhfp1.0Hz,COH
8-StoryM/4D/e,rhfp1.0Hz,COH1
8-StoryM/4D/hs_file
8-StoryM/EPRIME/012345_MEG_StoryM_run1.xlsx
8-StoryM/EPRIME/012345_MEG_StoryM_run1.tab
9-StoryM/4D/config
9-StoryM/4D/c,rfDC
9-StoryM/4D/e,rhfp1.0Hz,COH
9-StoryM/4D/e,rhfp1.0Hz,COH1
9-StoryM/4D/hs_file
9-StoryM/EPRIME/012345_MEG_StoryM_run2.xlsx
9-StoryM/EPRIME/012345_MEG_StoryM_run2.tab
10-Motort/4D/config
10-Motort/4D/c,rfDC
10-Motort/4D/e,rhfp1.0Hz,COH
10-Motort/4D/e,rhfp1.0Hz,COH1
10-Motort/4D/hs_file
10-Motort/EPRIME/012345_MEG_Motort_run1.xlsx
10-Motort/EPRIME/012345_MEG_Motort_run1.tab
11-Motort/4D/config
11-Motort/4D/c,rfDC
11-Motort/4D/e,rhfp1.0Hz,COH
11-Motort/4D/e,rhfp1.0Hz,COH1
11-Motort/4D/hs_file
11-Motort/EPRIME/012345_MEG_Motort_run2.xlsx
11-Motort/EPRIME/012345_MEG_Motort_run2.tab

The c,rfDC file contains the raw data, the e,rfhp1.0Hz,COH file contains the head localization data at the start of the scan, the e,rfhp1.0Hz,COH1 file contains the head localization data at the end of the scan, and the config file contains additional header information. Note that the two noise scans (1-Rnoise and 2-Pnoise) do not have head localization data.

EPRIME log files are available in ASCII tab-delimited format (*.tab) and in Microsoft Excel (*.xlsx) format.

Section F: Anatomical models for MEG source estimation Directory Structure

All anatomical models for the MEG source estimation should unpack to a high level <SubjectID> directory for each subject (e.g., **012345/**, as exemplified here) with a MEG/anatomy subdirectory:

<SubjectID>/ (e.g., **012345/**)

release-notes/

MEG/

anatomy/

Besides the coregistration information, the volume conduction model (headmodel) and the source models at different resolutions (sourcemodel3d4mm, sourcemodel3d6mm, sourcemodel3d8mm), the release also contains provenance information (in Extensible Markup Language, i.e. *.xml), quality control figures (in Portable Network Graphics format, i.e. *.png) and provenance information for the figures.

Anatomical models for exemplar subject 012345 unpacks to the following directory structure:

MEG/anatomy/

012345_MEG_anatomy_fiducials.txt
012345_MEG_anatomy_landmarks.txt
012345_MEG_anatomy_transform.txt
012345_MEG_anatomy_headmodel.mat
012345_MEG_anatomy_sourcemodel_3d4mm.mat
012345_MEG_anatomy_sourcemodel_3d6mm.mat
012345_MEG_anatomy_sourcemodel_3d8mm.mat

provenance/

012345_MEG_anatomy_fiducials.txt.xml
012345_MEG_anatomy_landmarks.txt.xml
012345_MEG_anatomy_transform.txt.xml
012345_MEG_anatomy_headmodel.mat.xml
012345_MEG_anatomy_sourcemodel_3d4mm.mat.xml
012345_MEG_anatomy_sourcemodel_3d6mm.mat.xml
012345_MEG_anatomy_sourcemodel_3d8mm.mat.xml

figures/

012345_MEG_anatomy_headmodel.png
012345_MEG_anatomy_sourcemodel_3d4mm.png
012345_MEG_anatomy_sourcemodel_3d6mm.png
012345_MEG_anatomy_sourcemodel_3d8mm.png

provenance/

012345_MEG_anatomy_headmodel.png.xml
012345_MEG_anatomy_sourcemodel_3d4mm.png.xml
012345_MEG_anatomy_sourcemodel_3d6mm.png.xml
012345_MEG_anatomy_sourcemodel_3d8mm.png.xml

Section G: Channel-level processed MEG data

Directory Structure

All channel-level processed MEG data should unpack to a high level <SubjectID> directory for each subject (e.g., **012345/**, as exemplified here) with a MEG/ subdirectory for each type of experiment.

<SubjectID>/ (e.g., **012345/**)

release-notes/

MEG/

Rnoise/
Pnoise/
Restin/
Wrkmem/
StoryM/
Motort/

Under each of the experimental conditions, the directory structure represents the analysis pipelines that have been executed on the data.

For the empty-room and subject noise datasets, the only applicable pipeline is datacheck. The noise datacheck pipeline results do not comprise a separate package but are included in the packages for the unprocessed empty room data.

For the resting state dataset, the sequence of pipelines consists of datacheck->baddata->icaclass->rmegpreproc->powavg.

For the three task datasets, the sequence of pipelines consists of datacheck->baddata->icaclass->tmegpreproc->eravg for the averaged Event-Related fields and datacheck->baddata->icaclass->tmegpreproc->tfavg for averaged Time-Frequency representations.

Channel-level processed MEG data for exemplar subject 012345 unpacks to the directory structure that is listed below for each of the pipelines. Each of the *.txt, *.mat and *.png data files that are listed below is accompanied with a similarly named *.xml file in the provenance directory, which details the version of the software used to produce the results. These xml files are not listed below, but are present in the release packages.

Datacheck

The results of the Datacheck pipeline for exemplar subject 012345 unpack to the following directory structure:

MEG/Rnoise/datacheck/

012345_MEG_1-Rnoise_datacheck_info.txt

figures/

012345_MEG_1-Rnoise_datacheck_jumps.png
012345_MEG_1-Rnoise_datacheck_MEG_lowfreq_power.png
012345_MEG_1-Rnoise_datacheck_MEG_powerline_noise.png
012345_MEG_1-Rnoise_datacheck_MEG_powspectrm.png
012345_MEG_1-Rnoise_datacheck_MEGREF_powspectrm.png
012345_MEG_1-Rnoise_datacheck_neighb_correlation.png
012345_MEG_1-Rnoise_datacheck_triggers.png

There are similar results for the other scans, each with the corresponding scan type and number in the directory and in the file names:

MEG/Pnoise/datacheck/

MEG/Restin/datacheck/

MEG/Wrkmem/datacheck/

MEG/StoryM/datacheck/

MEG/Motort/datacheck/

Baddata

The results of Baddata pipeline for exemplar subject 012345 unpack to the following directory structure:

MEG/Restin/baddata/

012345_MEG_3-Restin_baddata_badchannels.txt
012345_MEG_3-Restin_baddata_badsegments.txt
012345_MEG_3-Restin_baddata_manual_badchannels.txt
012345_MEG_3-Restin_baddata_manual_badsegments.txt
012345_MEG_4-Restin_baddata_badchannels.txt
etc.

figures/

012345_MEG_3-RestIn_baddata_badchan_cor_scatter.png
012345_MEG_3-RestIn_baddata_badchan_cor_topo3D.png
012345_MEG_3-RestIn_baddata_badchan_cor_topo.png
012345_MEG_3-RestIn_baddata_badchan_std_scatter.png
012345_MEG_3-RestIn_baddata_badchan_std_topo.png
012345_MEG_3-RestIn_baddata_icaqc_badchannel_A88.png
012345_MEG_3-RestIn_baddata_icaqc_badchannel_A246.png
etc.

012345_MEG_3-RestIn_baddata_icaqc_badsegment_1.png
012345_MEG_3-RestIn_baddata_icaqc_badsegment_2.png
012345_MEG_3-RestIn_baddata_icaqc_badsegment_3.png
etc.

012345_MEG_3-RestIn_baddata_icaqc_results_1.png
012345_MEG_3-RestIn_baddata_icaqc_results_2.png
012345_MEG_3-RestIn_baddata_icaqc_results_3.png
etc.

There are similar results for the other scans, each with the corresponding scan type and number in the directory and in the file names:

MEG/Wrkmem/baddata/

MEG/StoryM/baddata/

MEG/Motort/baddata/

Icaclass and Icclass_qc

The results of the Icclass and Icclass_qc pipelines for exemplar subject 012345 unpack to the following directory structure:

MEG/Restin/icaclass/

012345_MEG_3-RestIn_icaclass.mat
012345_MEG_3-RestIn_icaclass.txt
012345_MEG_3-RestIn_icaclass_vs.txt
012345_MEG_3-RestIn_icaclass_vs.mat
etc.

figures/

012345_MEG_3-RestIn_icaclass_refch.png

012345_MEG_3-Restin_icaclass_1.png
012345_MEG_3-Restin_icaclass_2.png
012345_MEG_3-Restin_icaclass_3.png
etc.

012345_MEG_3-Restin_icaclass_vs_1.png
012345_MEG_3-Restin_icaclass_vs_2.png
012345_MEG_3-Restin_icaclass_vs_3.png
etc.

There are similar results for the other scans, each with the corresponding scan type and number in the directory and in the file names:

MEG/Wrkmem/icaclass/
MEG/StoryM/icaclass/
MEG/Motort/icaclass/

Rmegpreproc

The results of the Rmegpreproc pipeline for exemplar subject 012345 unpack to the following directory structure:

MEG/Restin/rmegpreproc/
012345_MEG_3-Restin_rmegpreproc.mat
012345_MEG_4-Restin_rmegpreproc.mat
012345_MEG_5-Restin_rmegpreproc.mat

Powavg

The results of the Powavg pipeline for exemplar subject 012345 unpack to the following directory structure:

MEG/Restin/powavg/
012345_MEG_3-Restin_powavg.mat
012345_MEG_4-Restin_powavg.mat
012345_MEG_5-Restin_powavg.mat

figures/

012345_MEG_3-Restin_powavg_multiplot.png
012345_MEG_3-Restin_powavg_singleplot.png

012345_MEG_4-RestIn_powavg_singleplot.png
 012345_MEG_5-RestIn_powavg_multiplot.png
 012345_MEG_5-RestIn_powavg_singleplot.png

Eravg

The results of the Eravg pipeline for exemplar subject 012345 unpack to the following directory structure:

MEG/Wrkmem/eravg/

012345_MEG_Wrkmem_eravg_[LM-TIM-0B]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-0B]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-2B]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-2B]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-face]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-face]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-tool]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TIM-tool]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-2B]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-2B]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_eravg_[LM-TRESP-tool]_[BT-diff]_[MODE-mag].mat

012345_MEG_Wrkmem_eravg_[LM-TRESP-tool]_[BT-diff]_[MODE-planar].mat

figures/

012345_MEG_Wrkmem_eravg_[LM-TIM-0B]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-0B]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-2B]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-2B]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-face]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-face]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-tool]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TIM-tool]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-2B]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-2B]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-face-versus-tool]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-tool]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Wrkmem_eravg_[LM-TRESP-tool]_[BT-diff]_[MODE-planar]_plot.png

MEG/StoryM/eravg/

012345_MEG_StoryM_eravg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-mag].mat
 012345_MEG_StoryM_eravg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-planar].mat
 012345_MEG_StoryM_eravg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[BT-diff]_[MODE-mag].mat



012345_MEG_StoryM_eravg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathnumquellate-versus-mathnumqueearly]_[OP-diff]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathnumquellate-versus-mathnumqueearly]_[OP-diff]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathoper]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathoper]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_eravg_[LM-TRESP-all]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_eravg_[LM-TRESP-all]_[BT-diff]_[MODE-planar].mat

figures/

012345_MEG_StoryM_eravg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-mag]_plot.png



012345_MEG_StoryM_eravg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumquellate-versus-mathnumqueearly]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumquellate-versus-mathnumqueearly]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathoper]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathoper]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[BT-diff]_[MODE-planar]_plot.png
012345_MEG_StoryM_eravg_[LM-TRESP-all]_[BT-diff]_[MODE-mag]_plot.png
012345_MEG_StoryM_eravg_[LM-TRESP-all]_[BT-diff]_[MODE-planar]_plot.png

MEG/Motort/eravg/

012345_MEG_Motort_eravg_[LM-TEMG-LF]_[BT-diff]_[MODE-mag].mat
012345_MEG_Motort_eravg_[LM-TEMG-LF]_[BT-diff]_[MODE-planar].mat
012345_MEG_Motort_eravg_[LM-TEMG-LH]_[BT-diff]_[MODE-mag].mat
012345_MEG_Motort_eravg_[LM-TEMG-LH]_[BT-diff]_[MODE-planar].mat
012345_MEG_Motort_eravg_[LM-TEMG-RF]_[BT-diff]_[MODE-mag].mat
012345_MEG_Motort_eravg_[LM-TEMG-RF]_[BT-diff]_[MODE-planar].mat
012345_MEG_Motort_eravg_[LM-TEMG-RH]_[BT-diff]_[MODE-mag].mat
012345_MEG_Motort_eravg_[LM-TEMG-RH]_[BT-diff]_[MODE-planar].mat

012345_MEG_Motort_eravg_[LM-TFLA-LF]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_eravg_[LM-TFLA-LF]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_eravg_[LM-TFLA-LH]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_eravg_[LM-TFLA-LH]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_eravg_[LM-TFLA-RF]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_eravg_[LM-TFLA-RF]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_eravg_[LM-TFLA-RH]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_eravg_[LM-TFLA-RH]_[BT-diff]_[MODE-planar].mat

figures/

012345_MEG_Motort_eravg_[LM-TEMG-LF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TEMG-LF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_eravg_[LM-TEMG-LH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TEMG-LH]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_eravg_[LM-TEMG-RF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TEMG-RF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_eravg_[LM-TEMG-RH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TEMG-RH]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-LF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-LF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-LH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-LH]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-RF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-RF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-RH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_eravg_[LM-TFLA-RH]_[BT-diff]_[MODE-planar]_plot.png

Tfavg

The results of the Tfavg pipeline for exemplar subject 012345 unpack to the following directory structure:

MEG/Wrkmem/tfavg/

012345_MEG_Wrkmem_tfavg_[LM-TIM-0B]_[MODE-planar].mat
 012345_MEG_Wrkmem_tfavg_[LM-TIM-2B]_[MODE-planar].mat
 012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B]_[MODE-planar].mat
 012345_MEG_Wrkmem_tfavg_[LM-TRESP-2B]_[MODE-planar].mat
 012345_MEG_Wrkmem_tfavg_[LM-TIM-0B]_[MODE-mag].mat
 012345_MEG_Wrkmem_tfavg_[LM-TIM-0B-versus-2B]_[OP-diff]_[MODE-mag].mat
 012345_MEG_Wrkmem_tfavg_[LM-TIM-0B-versus-2B]_[OP-diff]_[MODE-planar].mat
 012345_MEG_Wrkmem_tfavg_[LM-TIM-2B]_[MODE-mag].mat



012345_MEG_Wrkmem_tfavg_[LM-TIM-face]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TIM-face]_[MODE-planar].mat
012345_MEG_Wrkmem_tfavg_[LM-TIM-face-versus-tool]_[OP-diff]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TIM-face-versus-tool]_[OP-diff]_[MODE-planar].mat
012345_MEG_Wrkmem_tfavg_[LM-TIM-tool]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TIM-tool]_[MODE-planar].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[MODE-
planar].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-2B]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face]_[MODE-planar].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face-versus-tool]_[OP-diff]_[MODE-
mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face-versus-tool]_[OP-diff]_[MODE-
planar].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-tool]_[MODE-mag].mat
012345_MEG_Wrkmem_tfavg_[LM-TRESP-tool]_[MODE-planar].mat

figures/

012345_MEG_Wrkmem_tfavg_[LM-TIM-0B]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-2B]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-2B]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-0B]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-0B-versus-2B]_[OP-diff]_[MODE-
mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-0B-versus-2B]_[OP-diff]_[MODE-
planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-2B]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-face]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-face]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-face-versus-tool]_[OP-diff]_[MODE-
mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-face-versus-tool]_[OP-diff]_[MODE-
planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-tool]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TIM-tool]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B]_[MODE-mag]_plot.png



012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-0B-versus-2B]_[OP-diff]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-2B]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face-versus-tool]_[OP-diff]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-face-versus-tool]_[OP-diff]_[MODE-planar]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-tool]_[MODE-mag]_plot.png
012345_MEG_Wrkmem_tfavg_[LM-TRESP-tool]_[MODE-planar]_plot.png

MEG/StoryM/tfavg/

012345_MEG_StoryM_tfavg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TRESP-all]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TRESP-all]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumquelate-versus-mathnumqueearly]_[OP-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumquelate-versus-mathnumqueearly]_[OP-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathoper]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathoper]_[BT-diff]_[MODE-planar].mat
012345_MEG_StoryM_tfavg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-mag].mat
012345_MEG_StoryM_tfavg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[MODE-mag].mat

012345_MEG_StoryM_tfavg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[MODE-planar].mat
 012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-mag].mat
 012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[MODE-mag].mat
 012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[MODE-planar].mat

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012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TRESP-all]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TRESP-all]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumopt]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumoptcor-versus-mathnumoptwro]_[OP-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumquellate-versus-mathnumqueearly]_[OP-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumquellate-versus-mathnumqueearly]_[OP-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathnumque-versus-mathoper]_[OP-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathoper]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathoper]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-mathsentnon]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[MODE-mag]_plot.png

012345_MEG_StoryM_tfavg_[LM-TEV-storoptcor-versus-storoptwro]_[OP-diff]_[MODE-planar]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[MODE-mag]_plot.png
 012345_MEG_StoryM_tfavg_[LM-TEV-storsentnon-versus-mathsentnon]_[OP-diff]_[MODE-planar]_plot.png

MEG/Motort/tfavg/

012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[CM-emgcoh]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[CM-emgcoh]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[CM-emgcoh]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[CM-emgcoh]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[CM-emgcoh]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[CM-emgcoh]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[CM-emgcoh]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[BT-diff]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[BT-diff]_[MODE-planar].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[CM-emgcoh]_[MODE-mag].mat
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[CM-emgcoh]_[MODE-planar].mat

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012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[CM-emgcoh]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[CM-emgcoh]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LF]_[CM-emgcoh]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-LH]_[CM-emgcoh]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RF]_[CM-emgcoh]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TEMG-RH]_[CM-emgcoh]_[MODE-
 planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LF]_[CM-emgcoh]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-LH]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RF]_[CM-emgcoh]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[BT-diff]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[BT-diff]_[MODE-planar]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[CM-emgcoh]_[MODE-mag]_plot.png
 012345_MEG_Motort_tfavg_[LM-TFLA-RH]_[CM-emgcoh]_[MODE-planar]_plot.png