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Group ICA Parameters

Number of Subjects : 9

Number of Sessions : 2

TR in seconds (Mean, Standard deviation): (2.3, 0)

Number of Independent Components : 20

ICA Algorithm : Infomax

Number Of Scans/Timepoints : 195

Mask File : ica_analysisMask

Data Pre-processing Type : Remove Mean Per Timepoint

PCA Type : Standard

Group PCA Type : Subject Specific

Group ICA Type : Spatial

Back Reconstruction Type : GICA

Scaling Components : Z-scores

Stability analysis type : ICASSO

Group analysis mode: Serial

Anatomical file: /Volumes/ID1036/rsfMRI_7T/MNI_template/tpl-MNI152NLin2009cAsym_res-01_desc-brain_T1w.nii,1

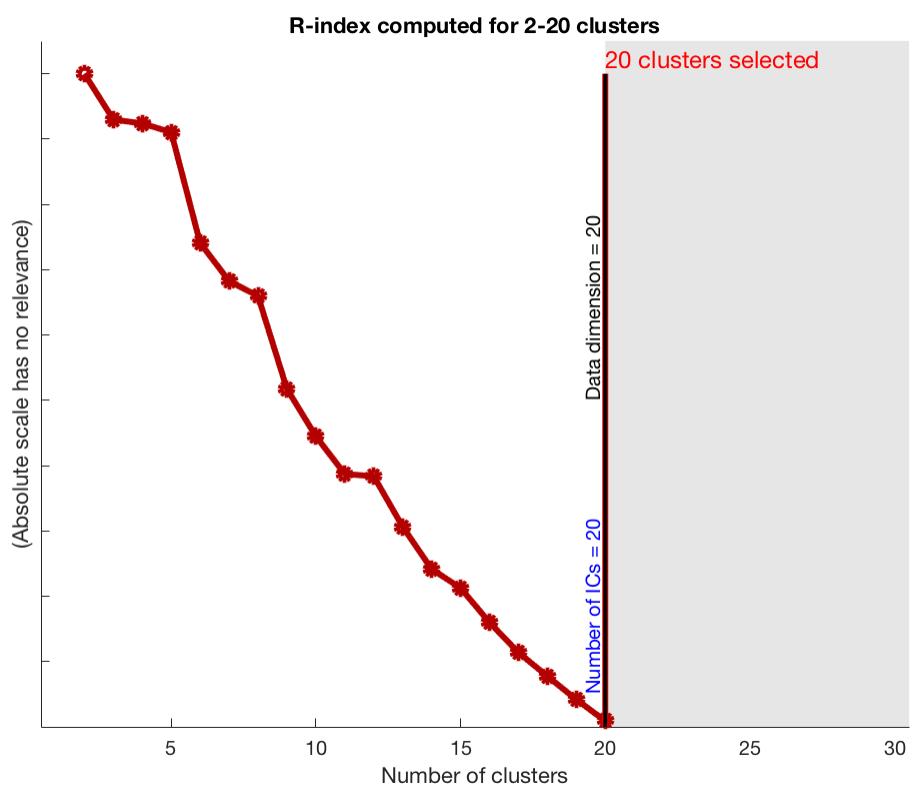
Slice Plane: Axial

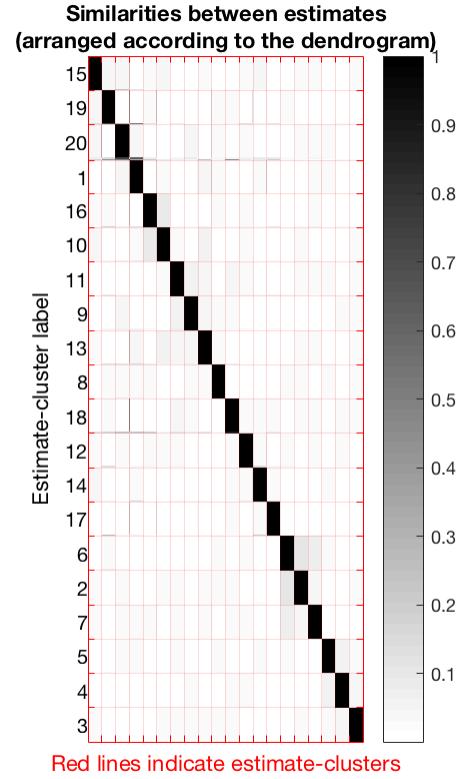
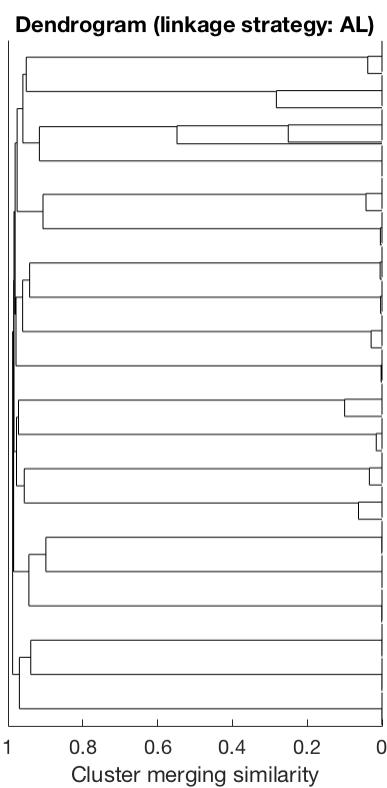
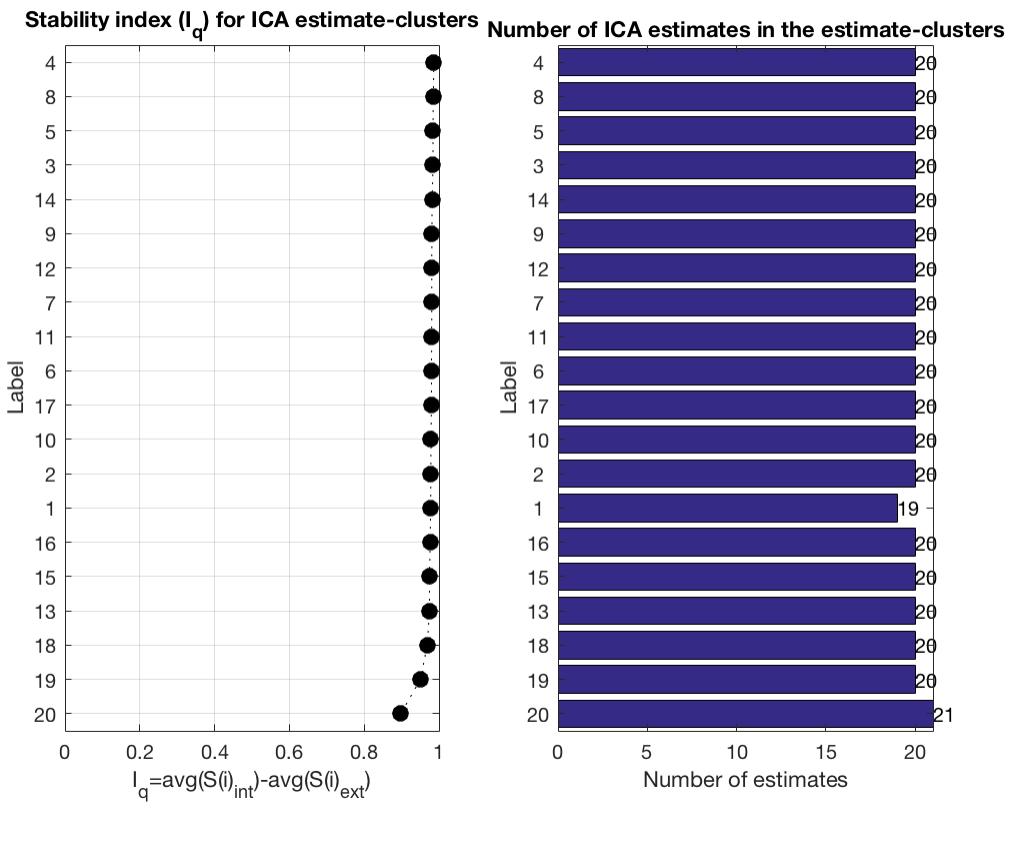
Image values: Positive

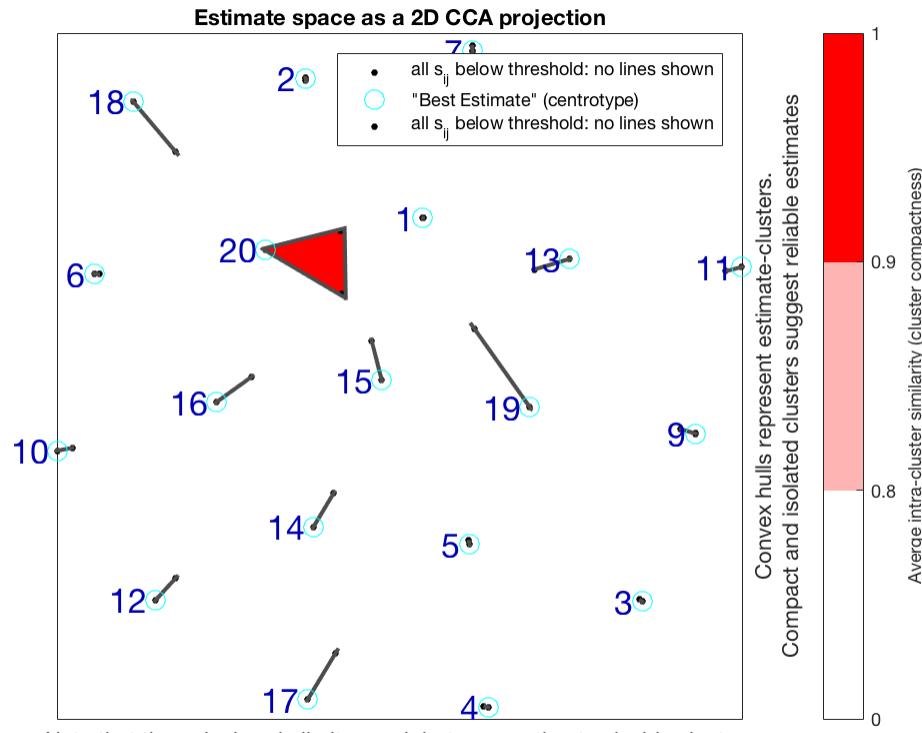
Convert to Z-scores: yes

Threshold: 1.96

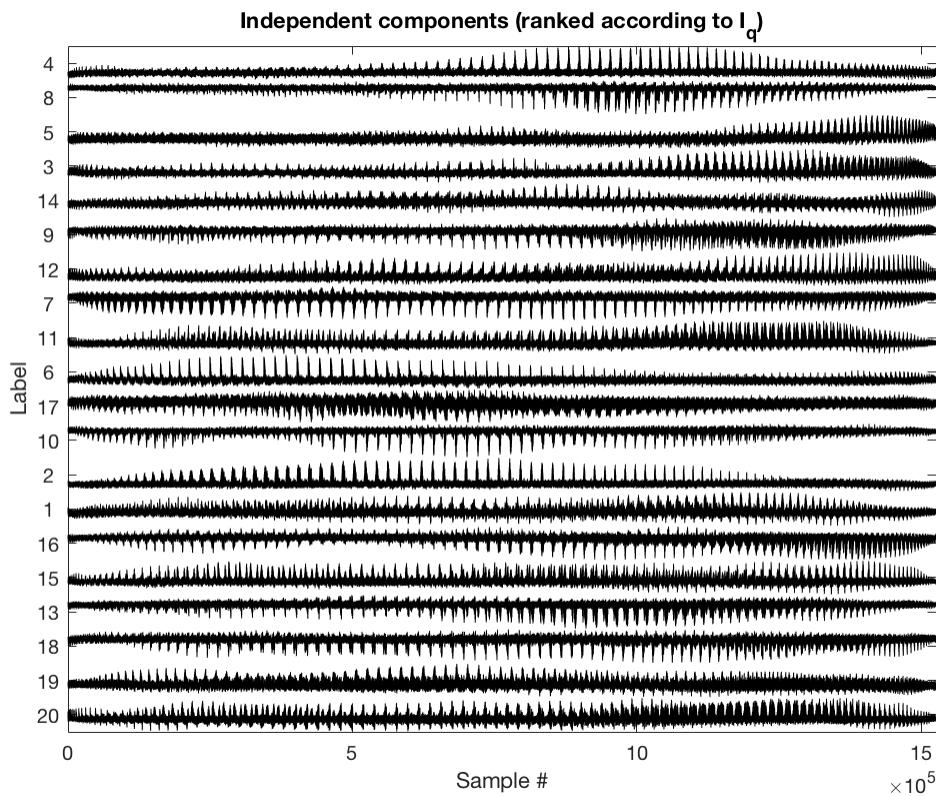
ICASSO Plots







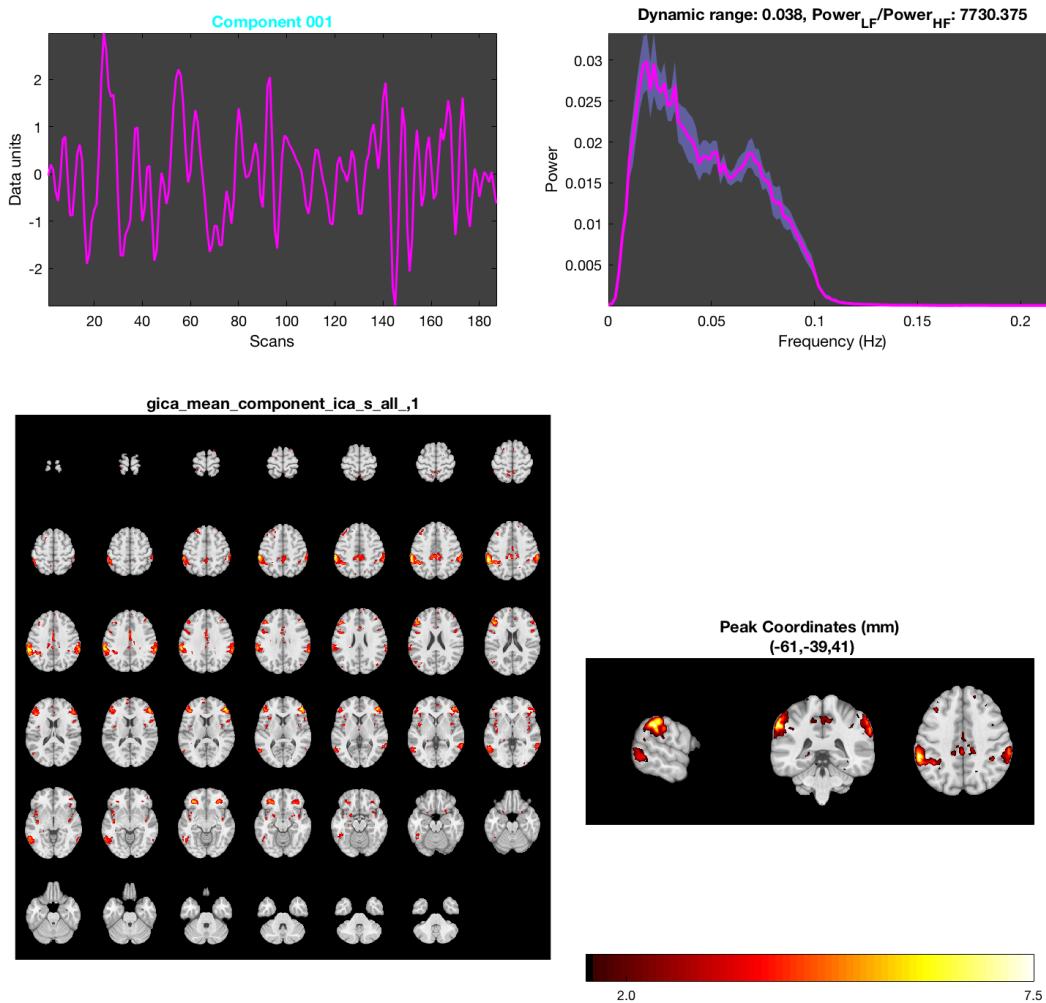
Note that the pairwise similarity graph between estimates inside clusters is omitted if the average intra-cluster similarity is above 0.90

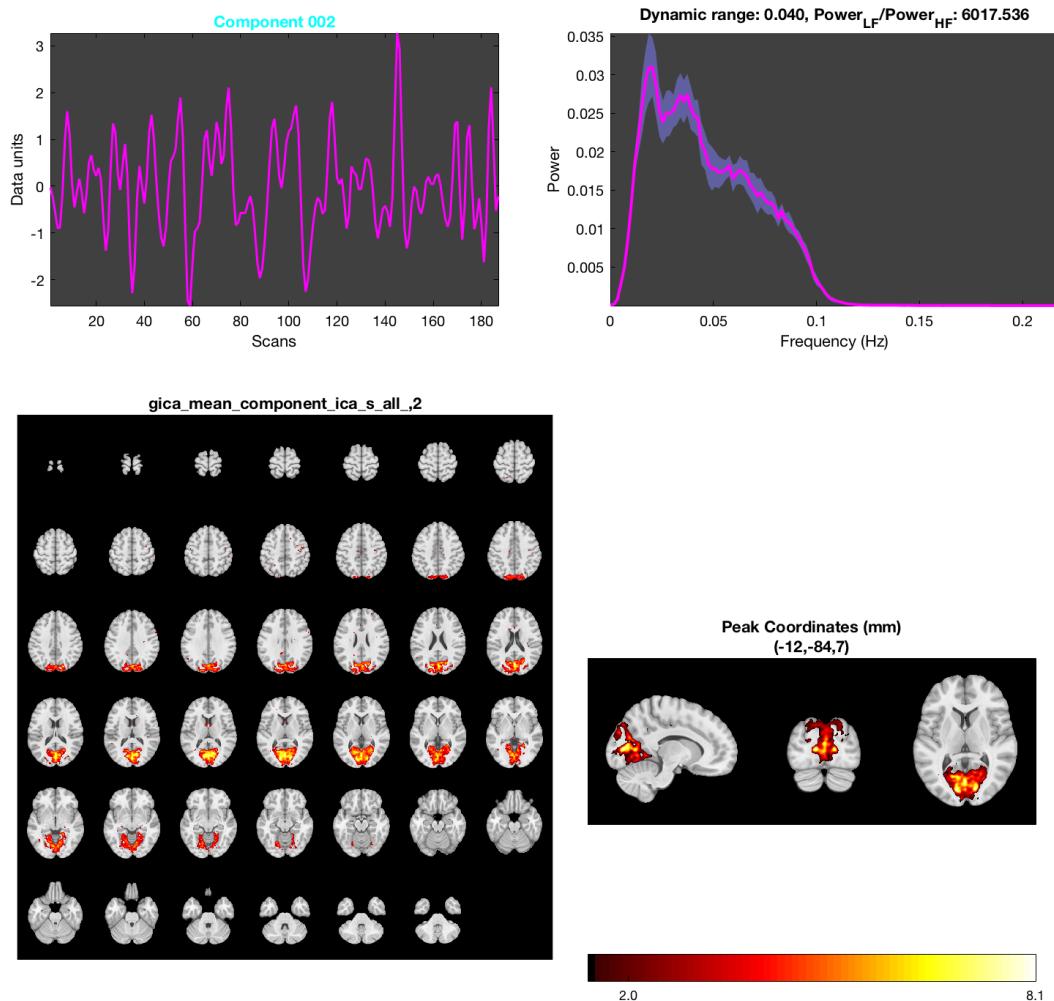


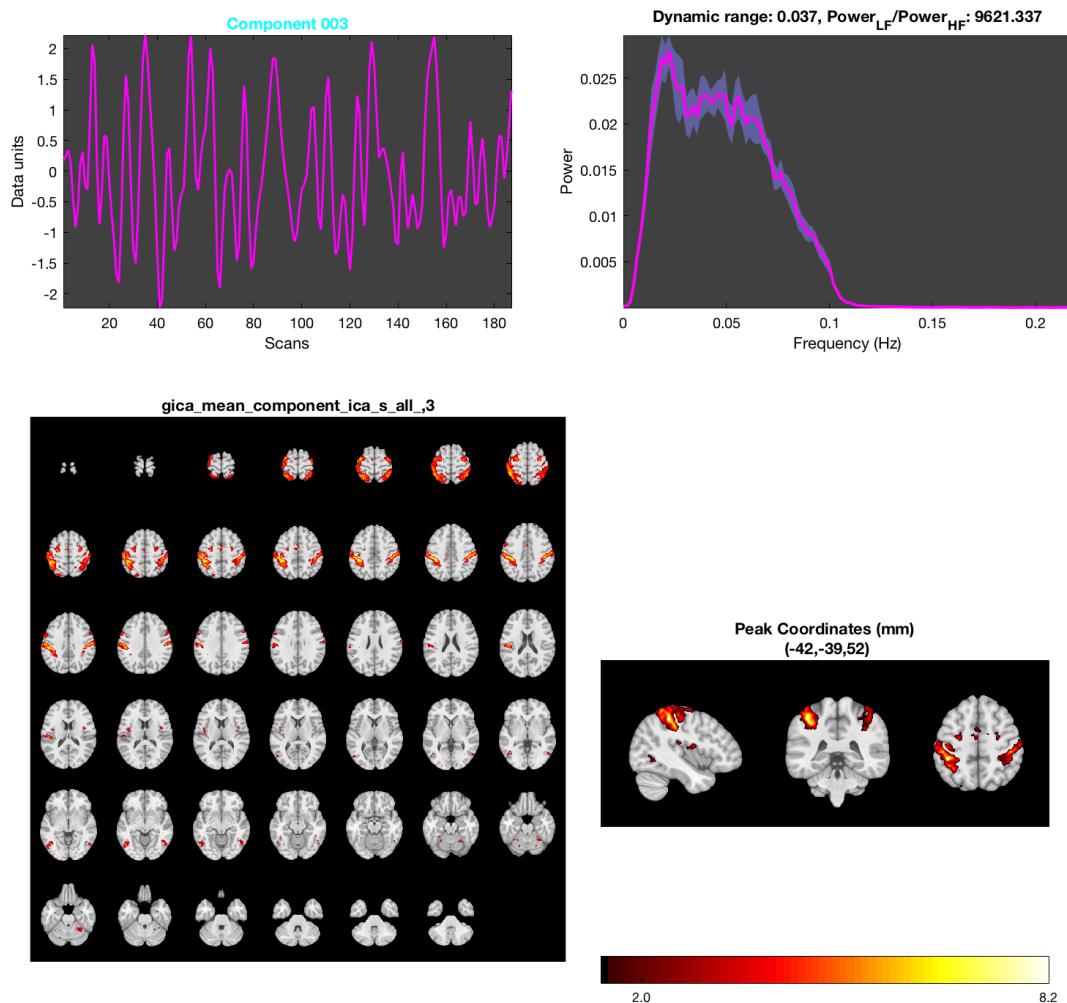
Mean Components

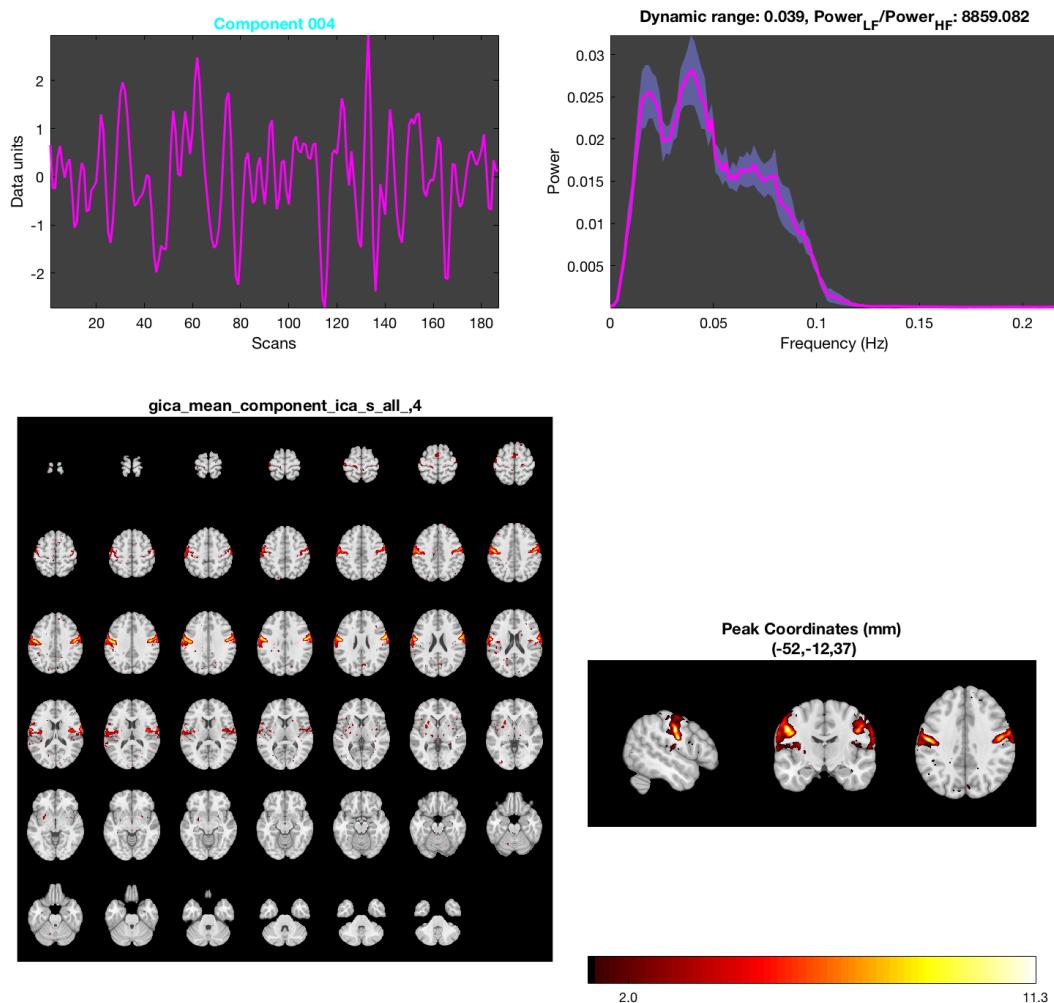
Mean across all subjects and sessions is computed for each component

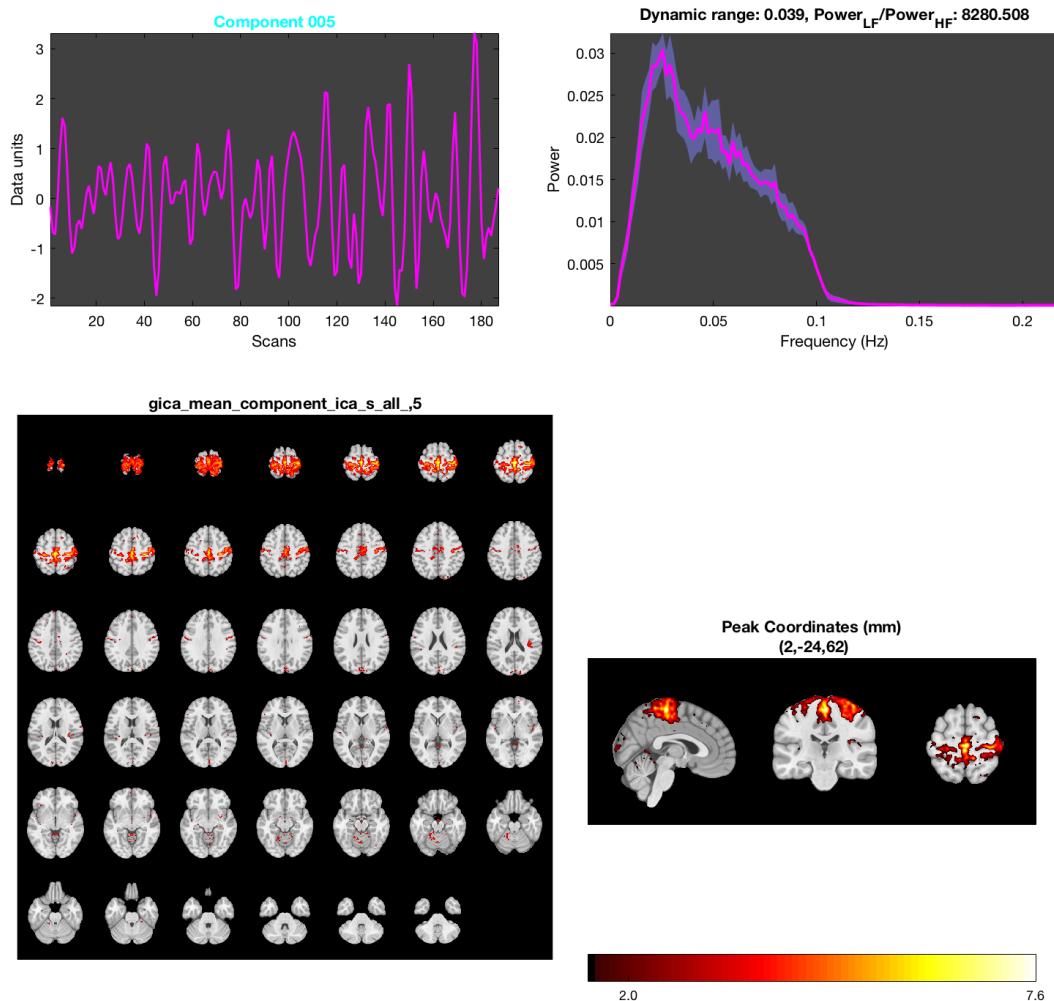
- **a) Timecourse** - Mean timecourse is converted to z-scores.
- **b) Spectra** - Timecourses spectra is computed for each data-set and averaged across sessions. Mean and standard error of mean is shown in the figure.
- **c) Montage** - Axial slices are shown.
- **d) Ortho slices** - Ortho plot is shown for the peak voxel and coordinates are reported.

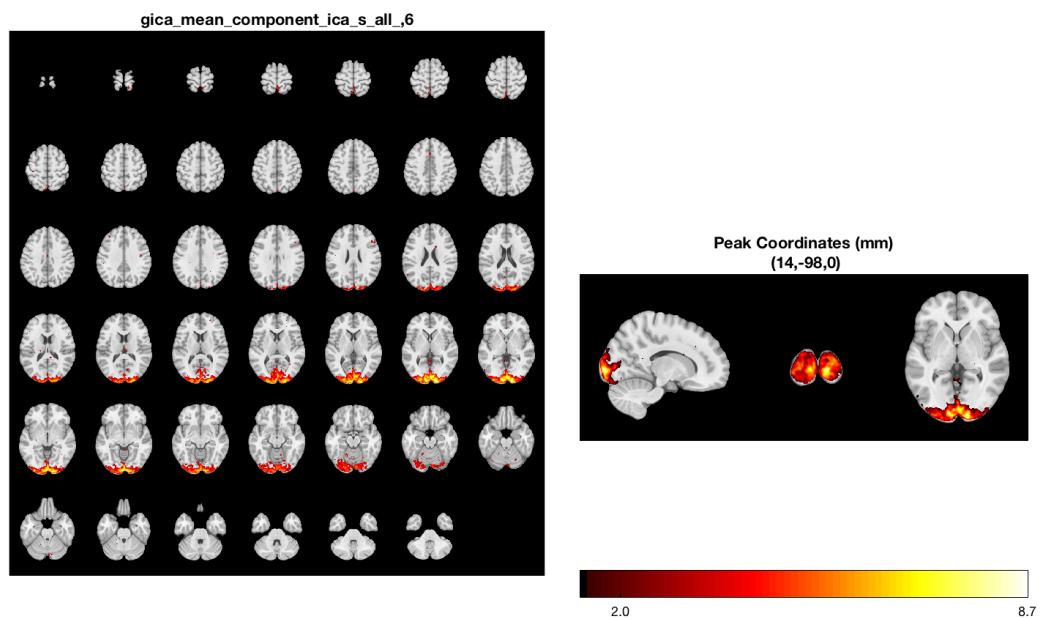
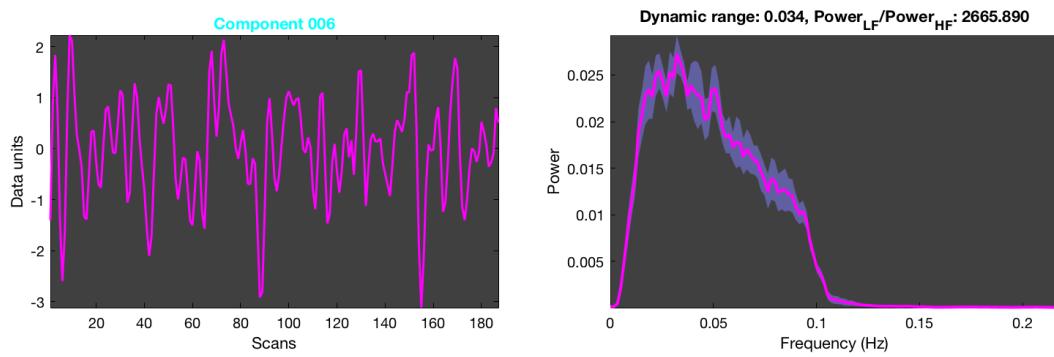


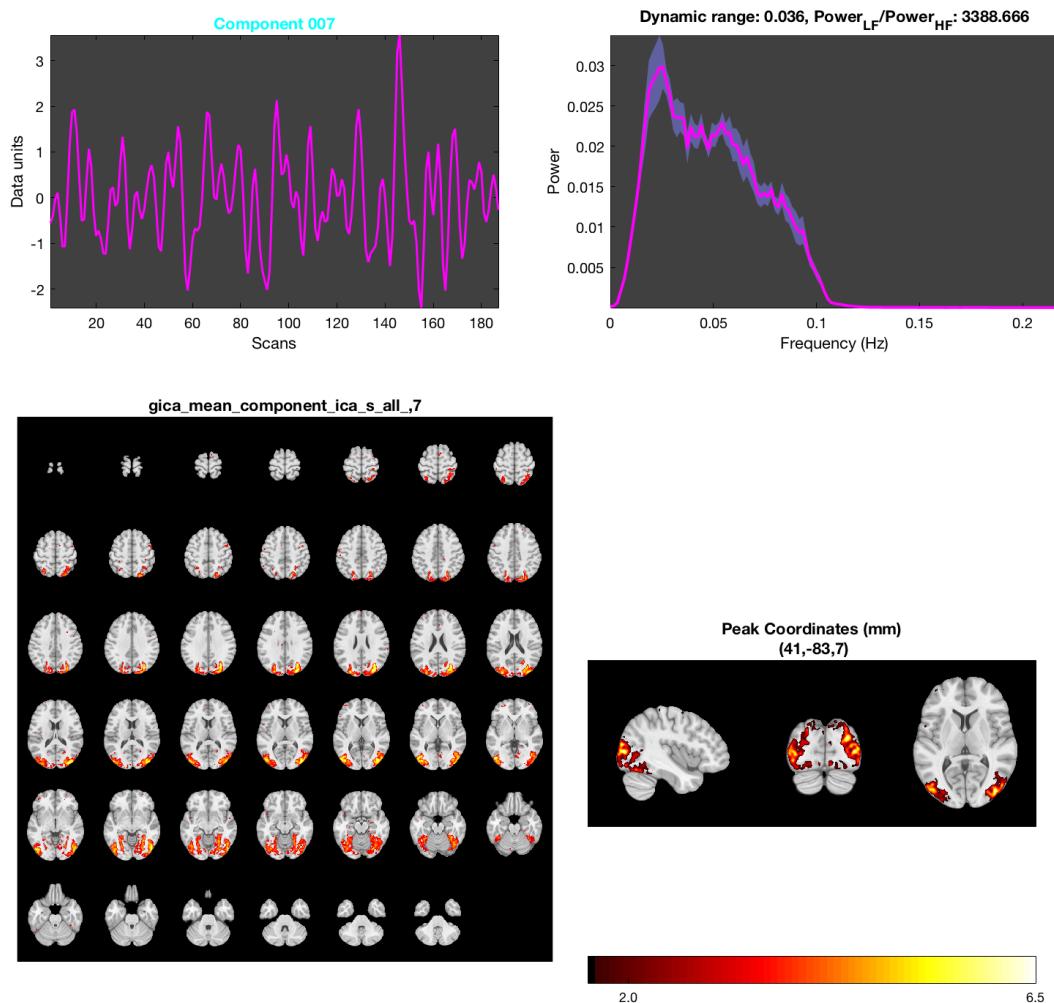


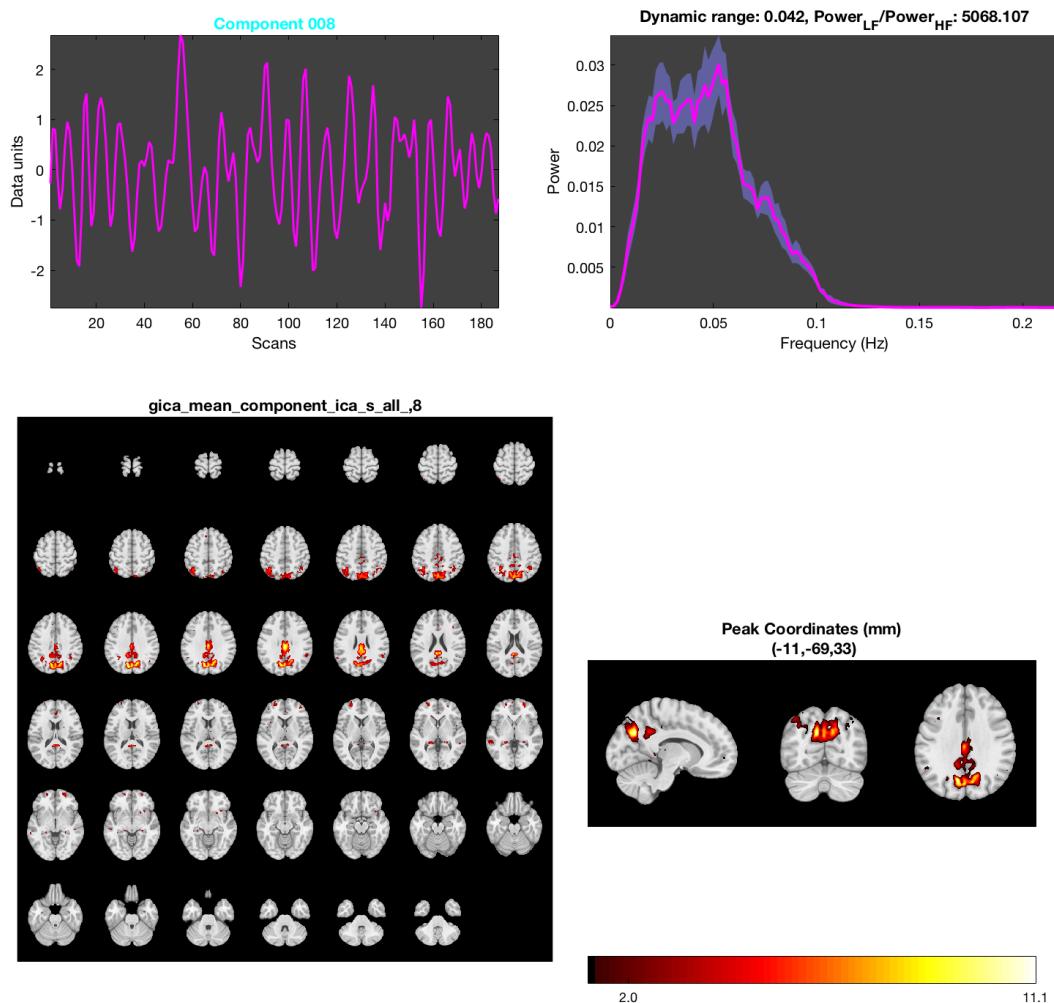


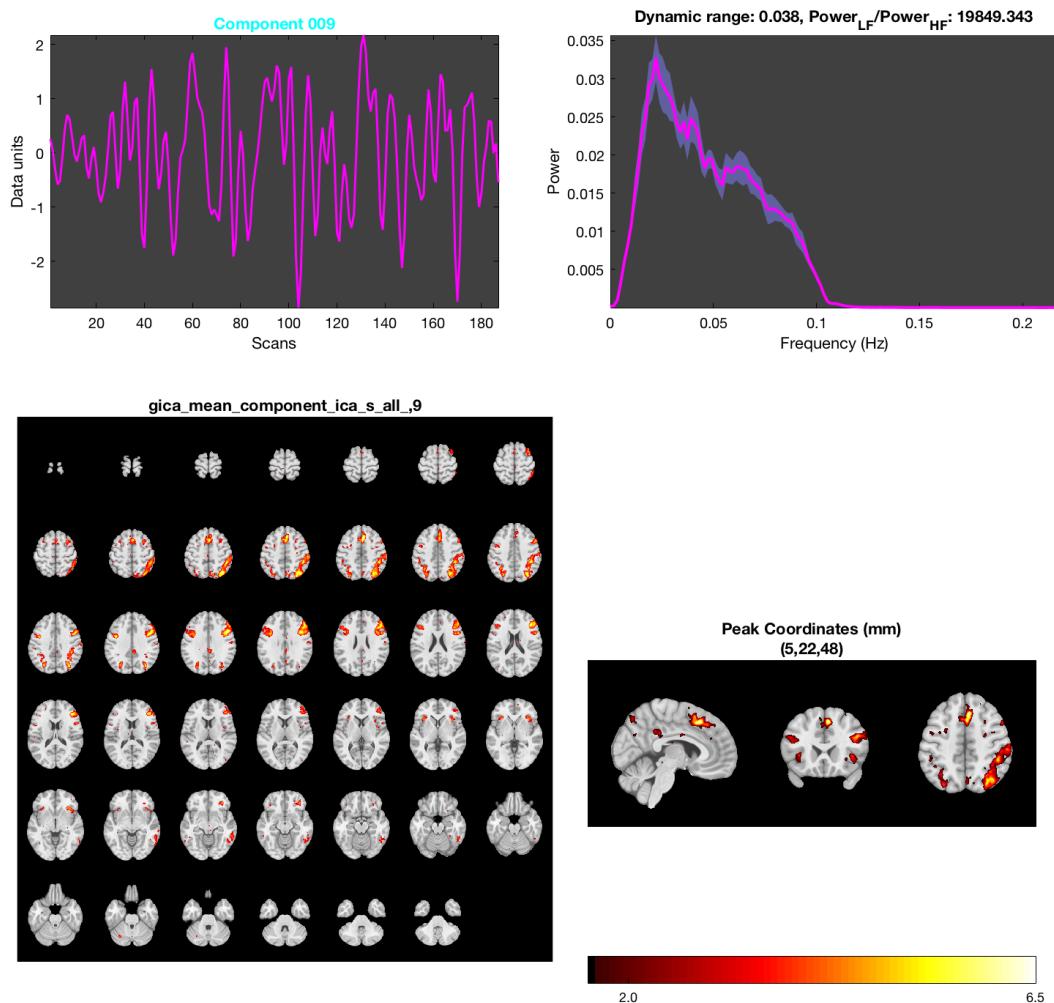


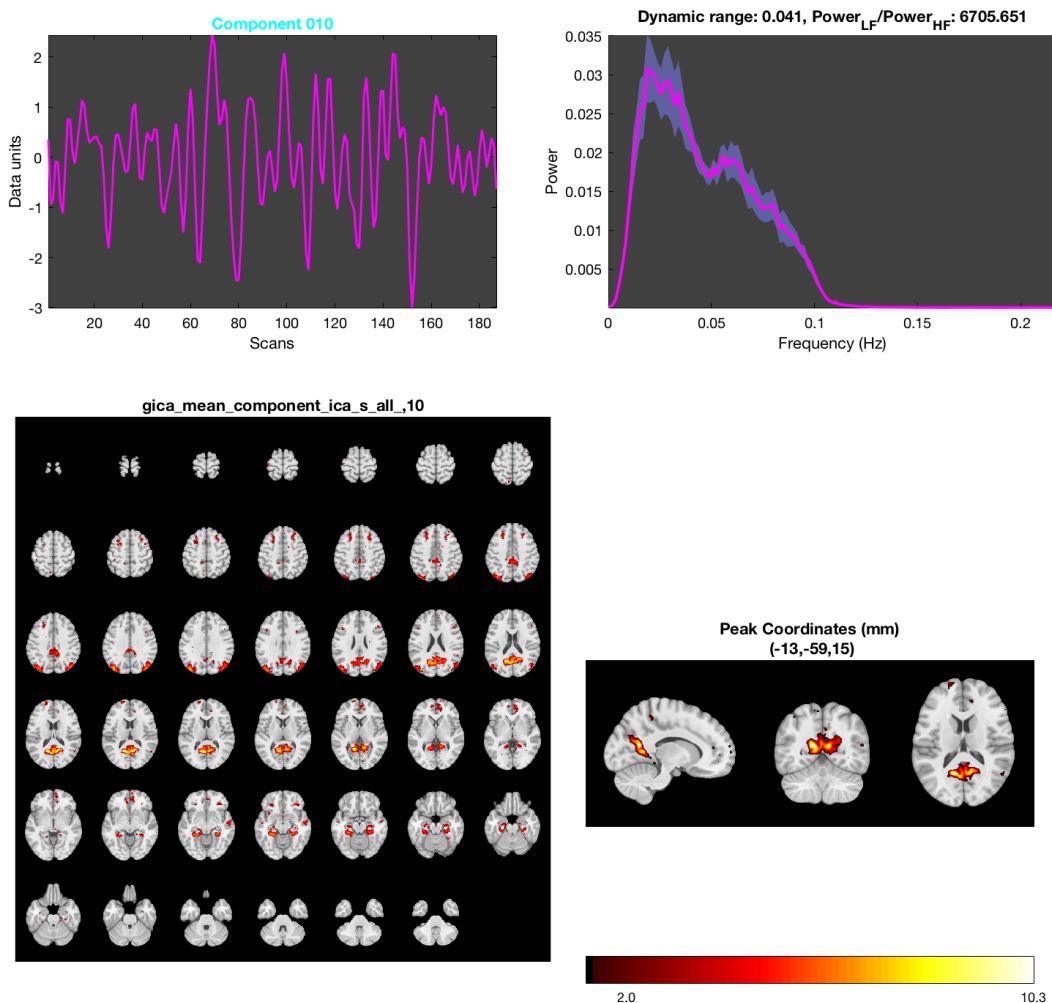


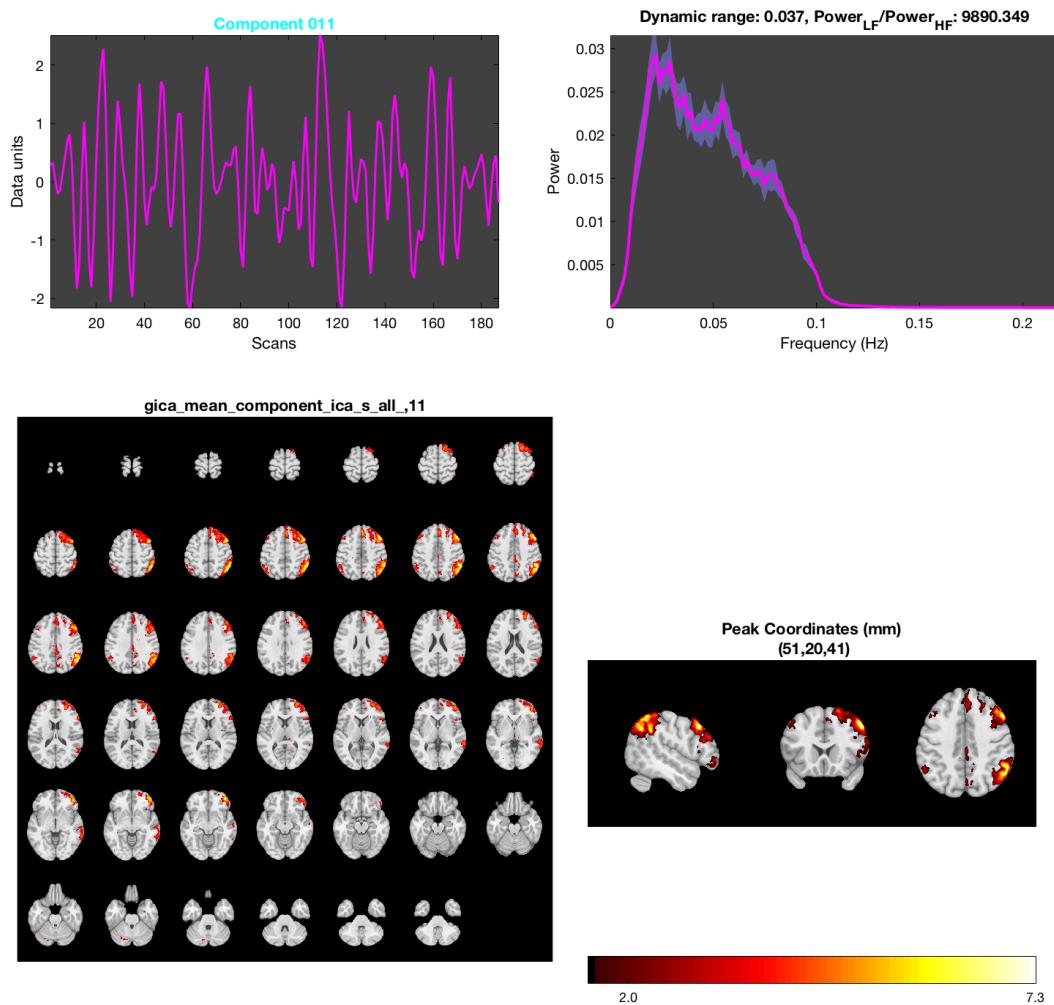


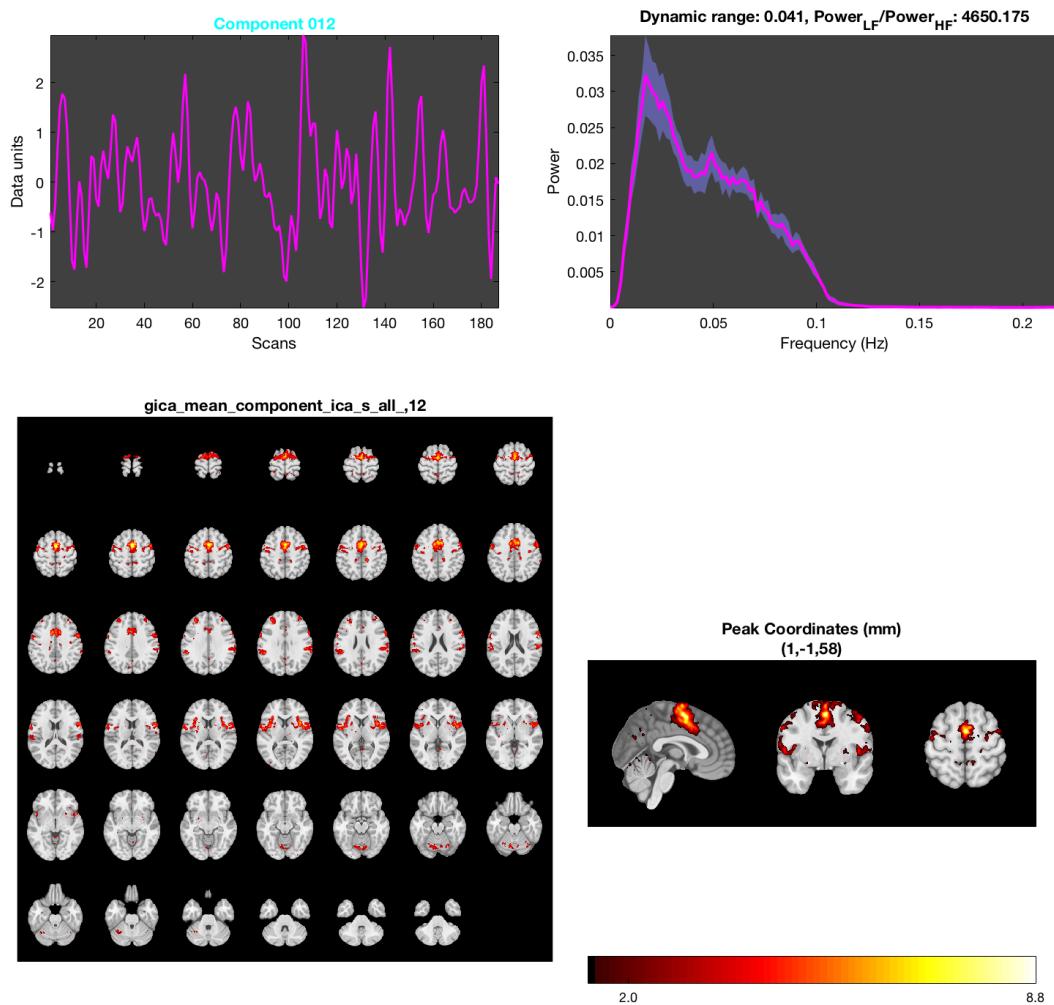


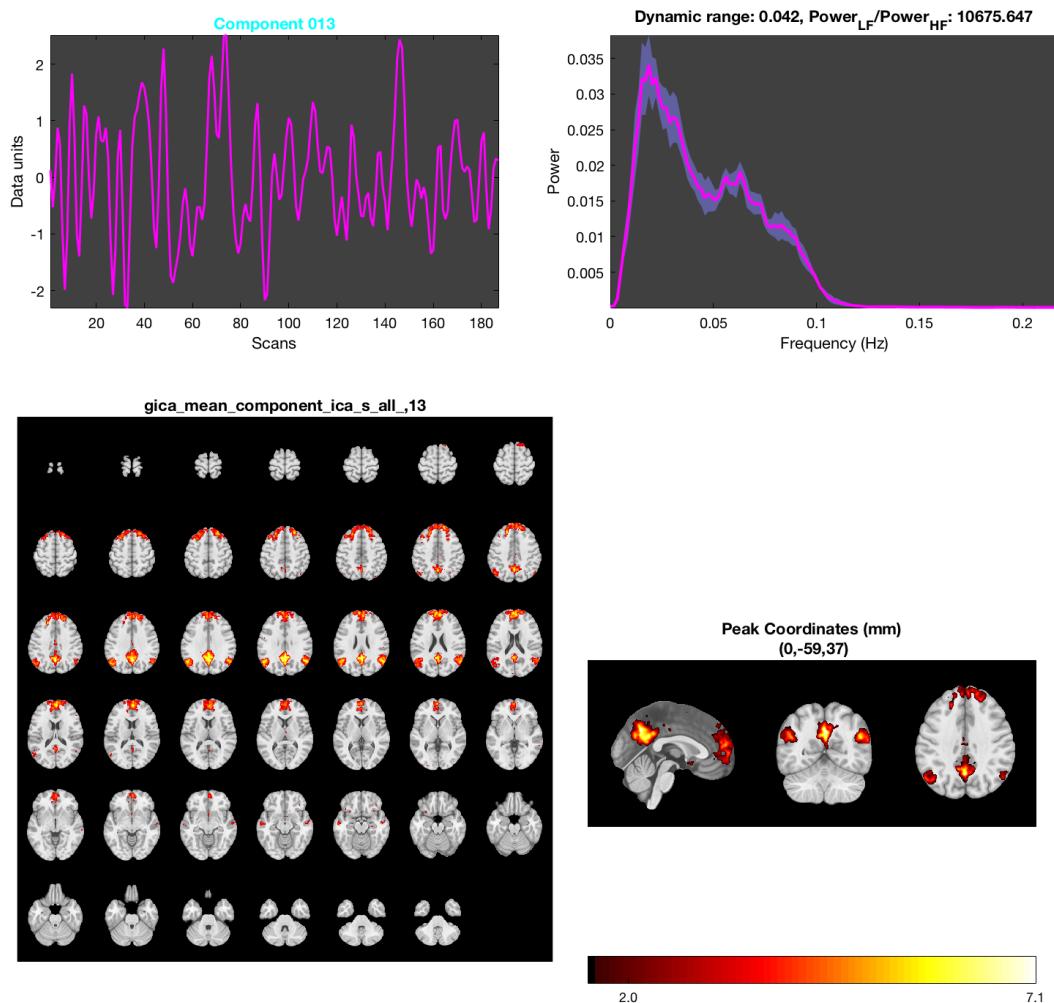


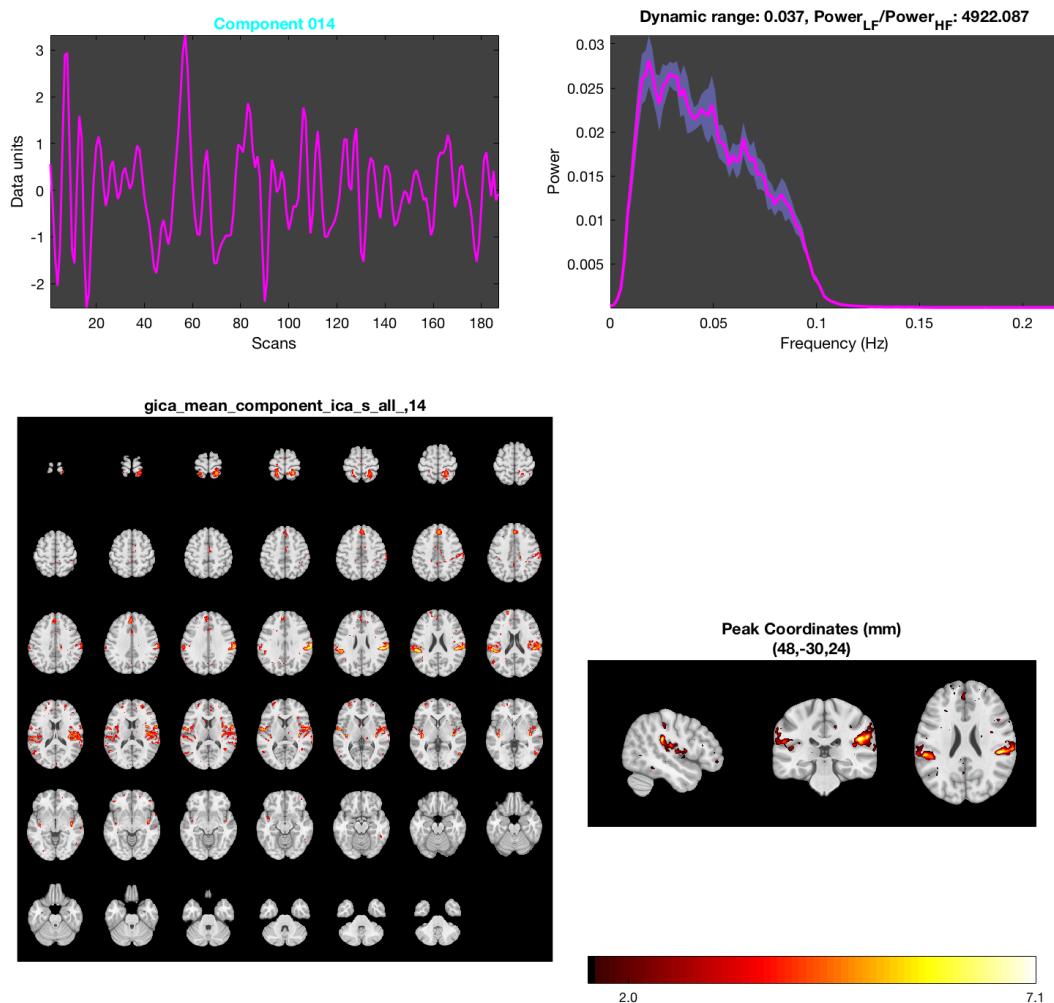


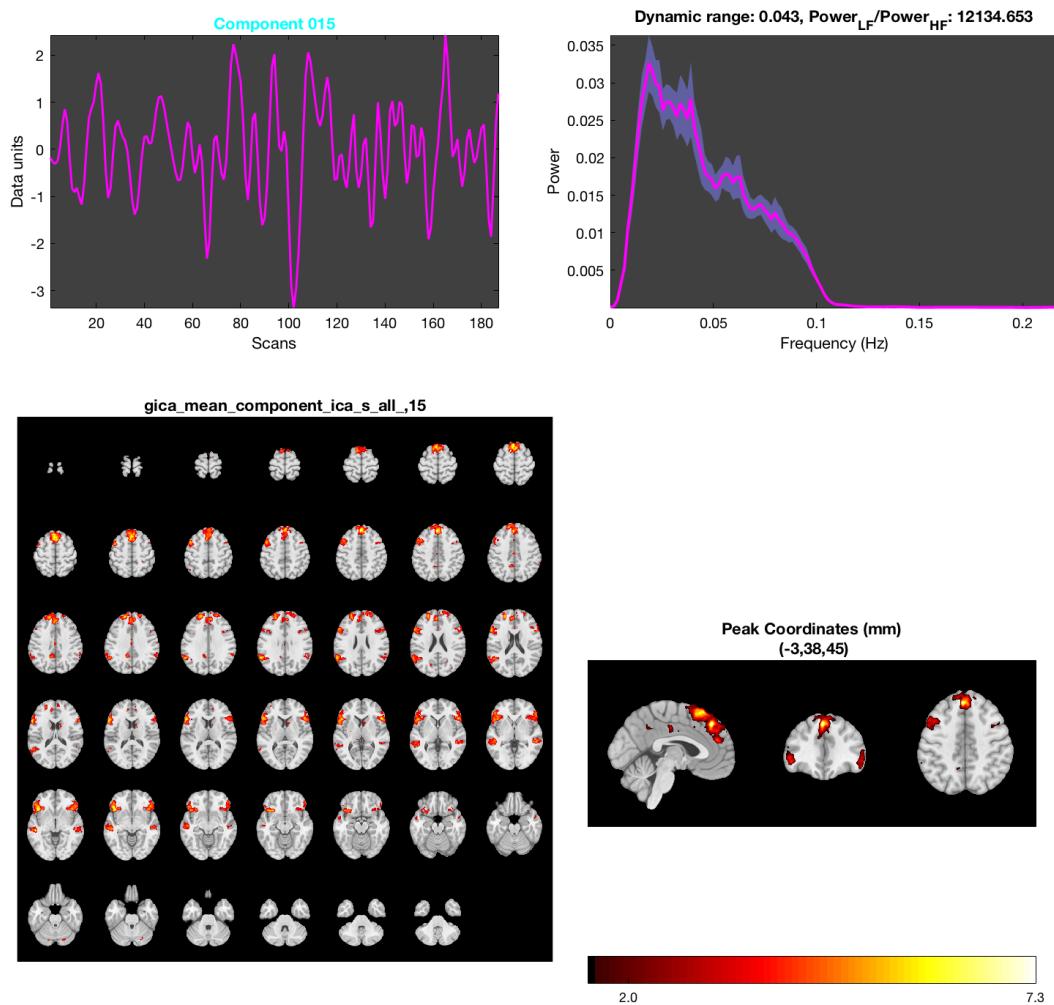


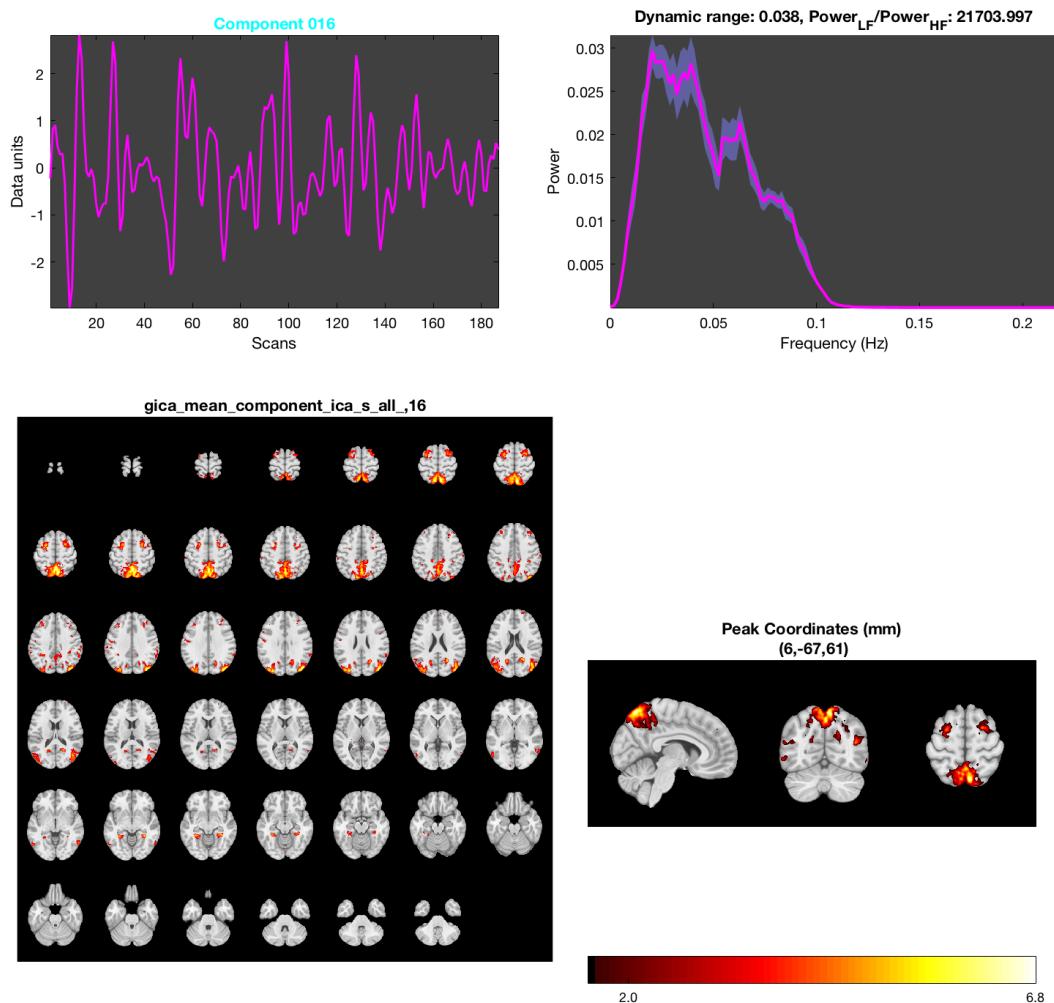


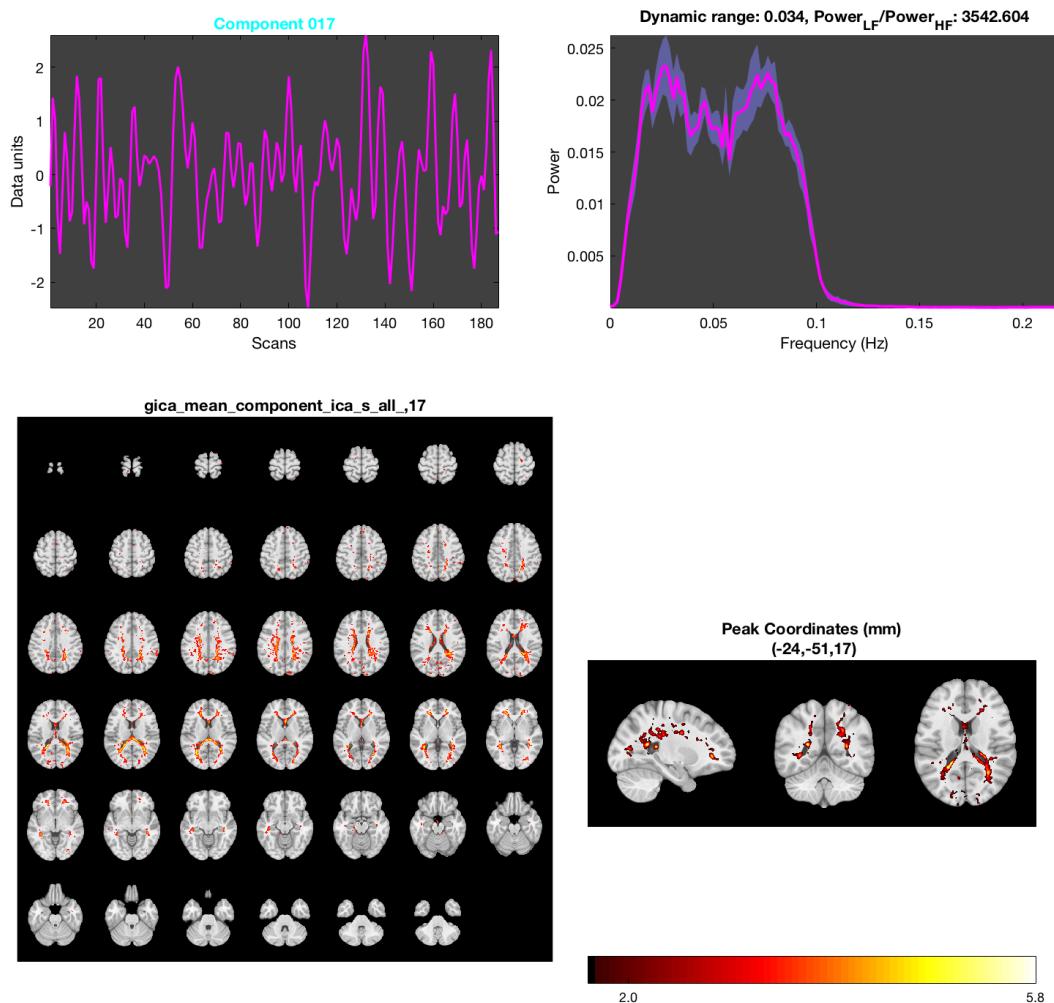


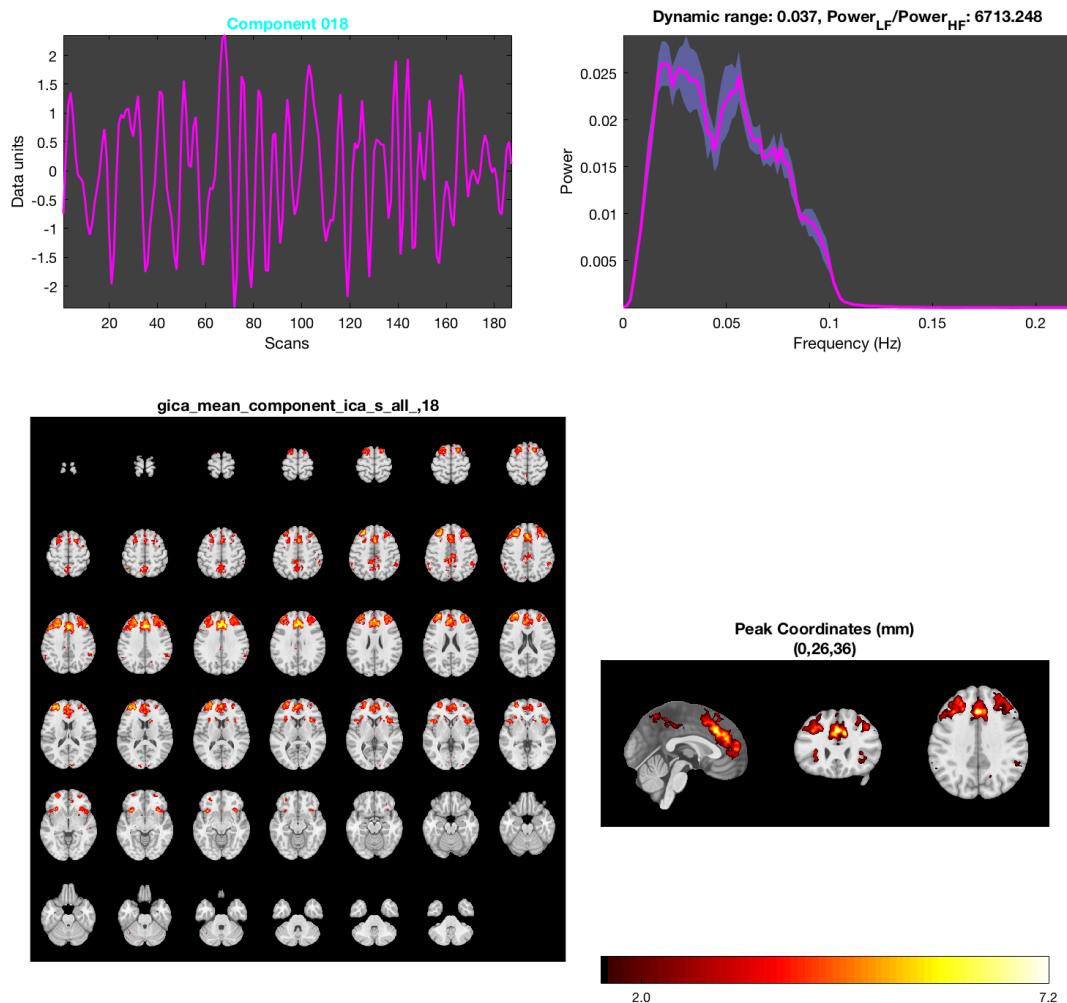


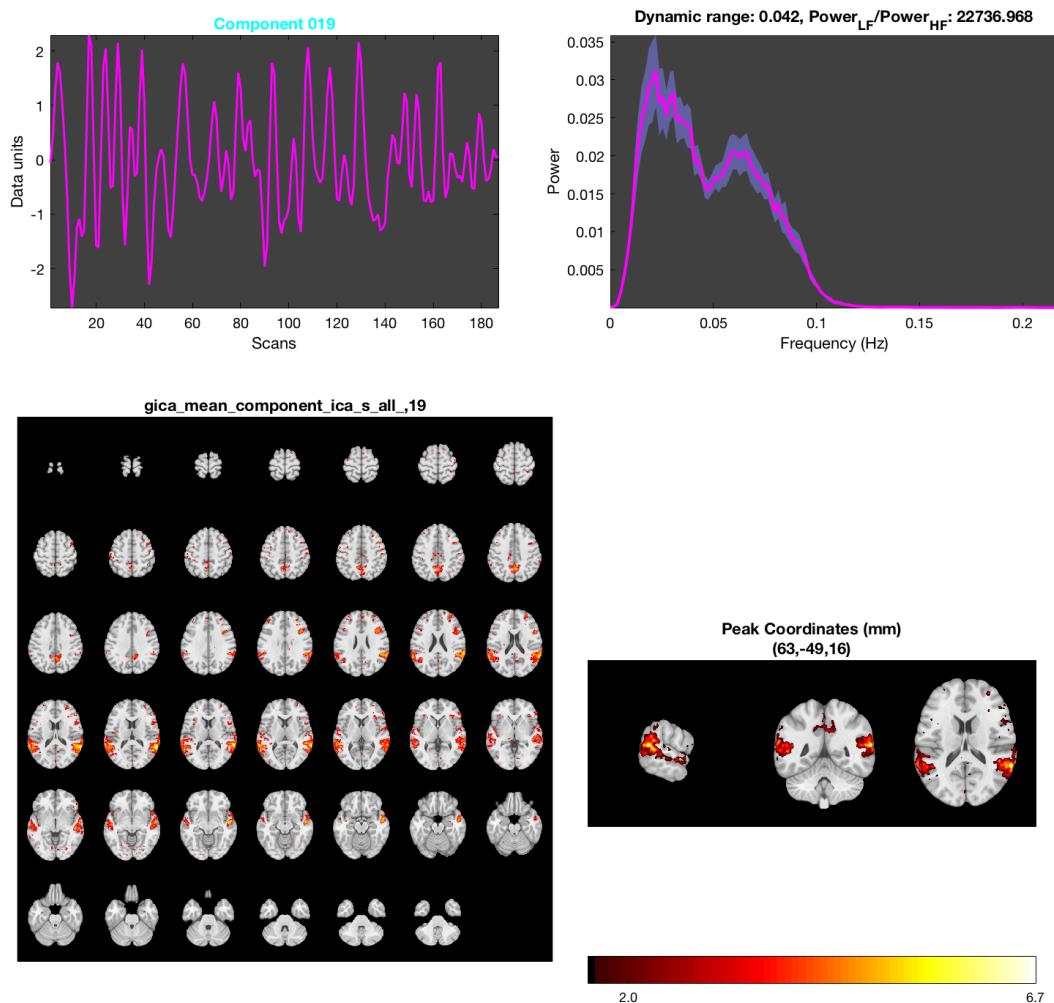


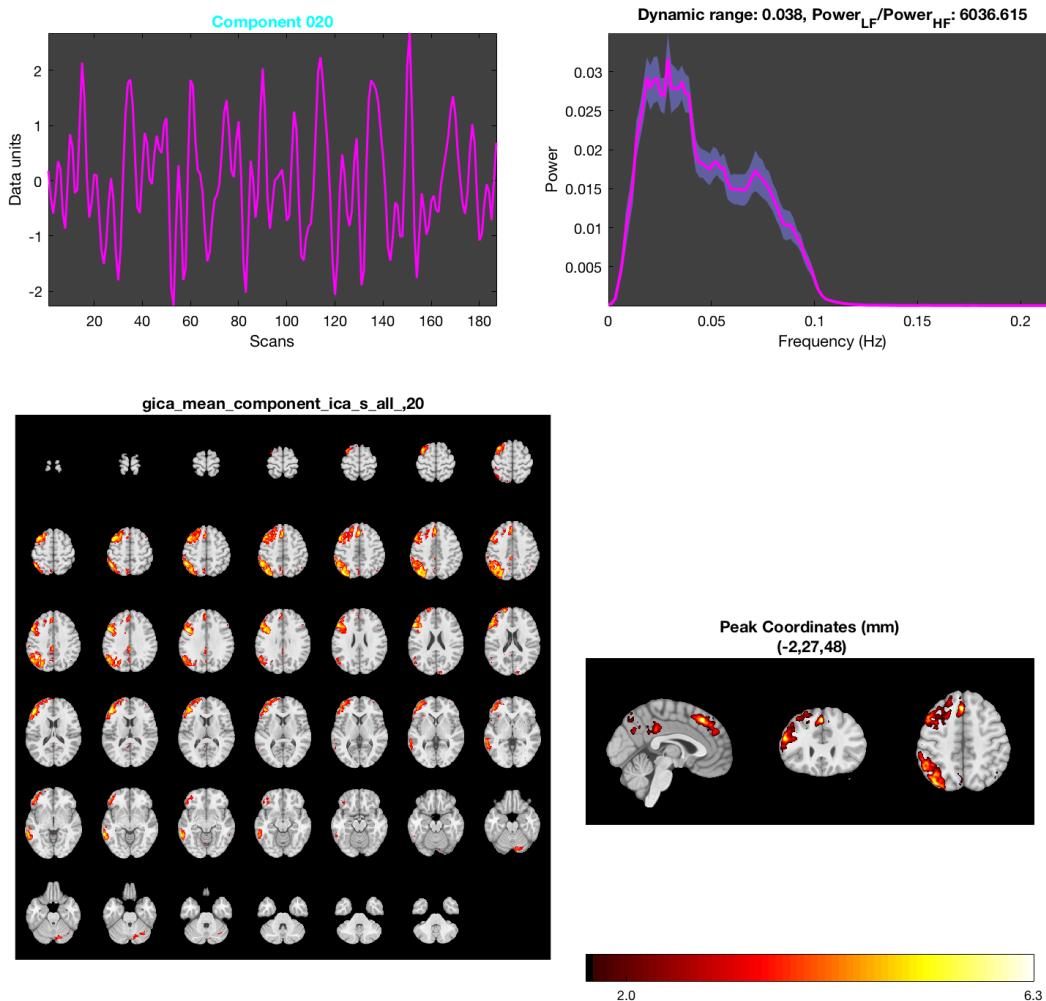












Spectral Summary

- **a) dynamic_range** - Difference between the peak power and minimum power at frequencies to the right of the peak.
- **b) fALFF** - Low frequency to high frequency power ratio.

<i>ComponentNumber</i>	<i>DynamicRange</i>	<i>fALFF</i>
1	0.038167	7730.4
2	0.040029	6017.5
3	0.037071	9621.3
4	0.038882	8859.1
5	0.038896	8280.5
6	0.034021	2665.9
7	0.036005	3388.7
8	0.042103	5068.1

9	0.038062	19849
10	0.040732	6705.7
11	0.036598	9890.3
12	0.040534	4650.2
13	0.042126	10676
14	0.037379	4922.1
15	0.043123	12135
16	0.03823	21704
17	0.033831	3542.6
18	0.03669	6713.2
19	0.04234	22737
20	0.037509	6036.6

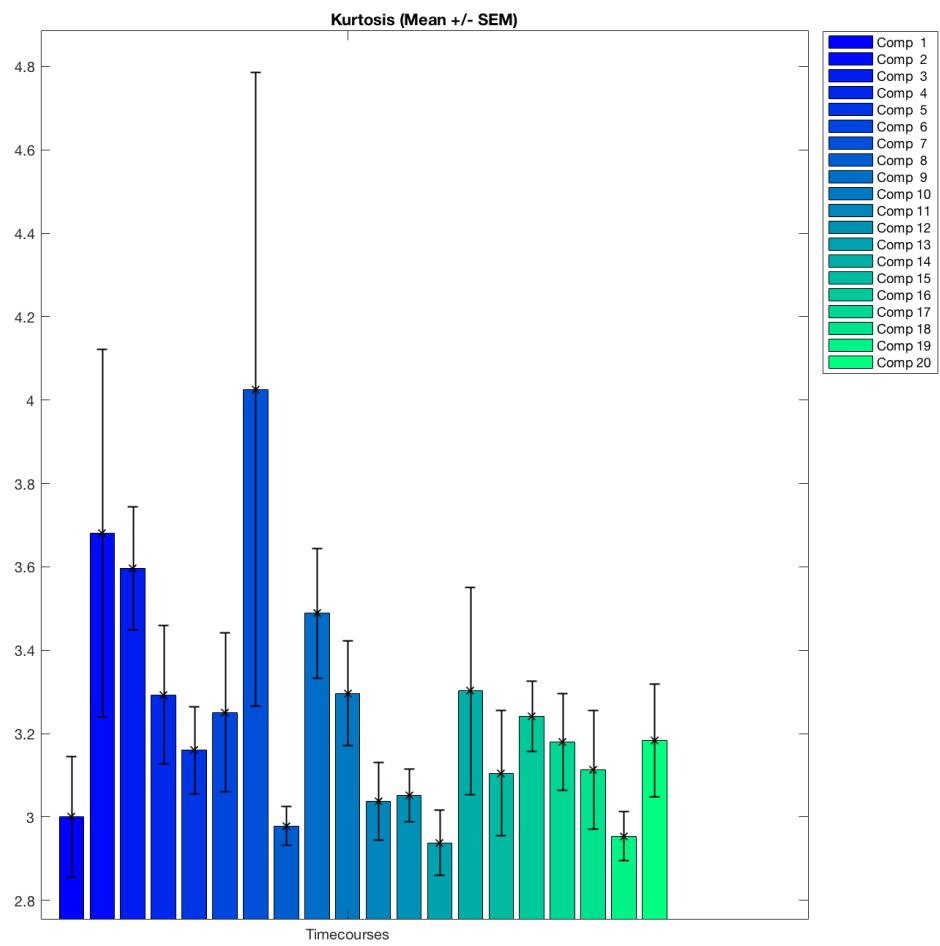
Temporal Stats On Beta Weights

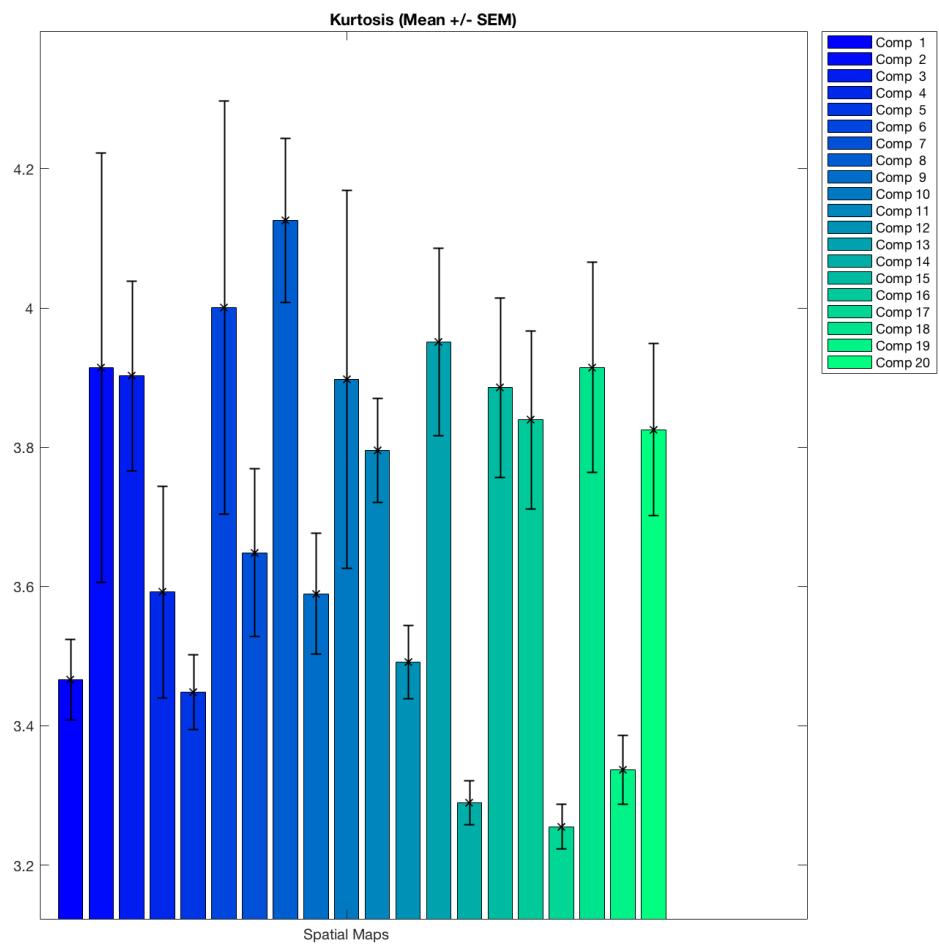
Multiple regression is done using the timecourses from SPM design matrix as model and ICA timecourses as observations. R^2 values for each component are shown in bar plot. For each component, one sample t-test results of each session and condition are shown in the bar plots.

Kurtosis of timecourses and spatial maps

Mean across subjects is reported in table. Figure shows mean+/- SEM across subjects

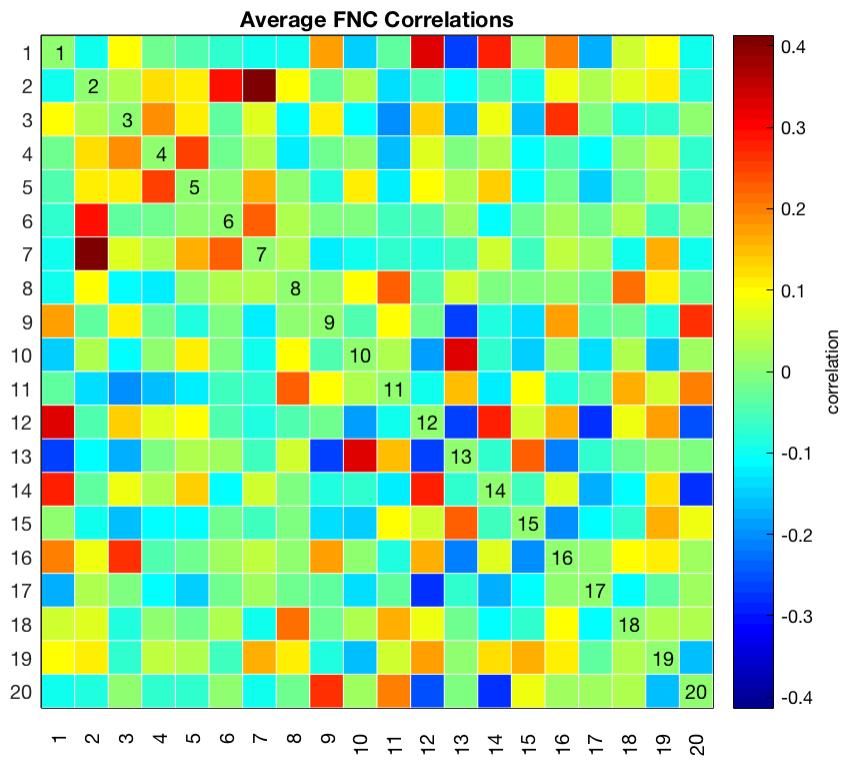
<i>ComponentNumber</i>	<i>Timecourses</i>	<i>SpatialMaps</i>
1	3.0007	3.4667
2	3.681	3.9141
3	3.5963	3.9023
4	3.2929	3.5921
5	3.16	3.4482
6	3.2509	4.0009
7	4.0258	3.6487
8	2.978	4.1254
9	3.4884	3.5897
10	3.2968	3.8972
11	3.0373	3.7955
12	3.0521	3.4916
13	2.9383	3.9511
14	3.3028	3.2897
15	3.1051	3.8854
16	3.2421	3.8393
17	3.1798	3.2552
18	3.1127	3.9145
19	2.954	3.3366
20	3.1836	3.8253





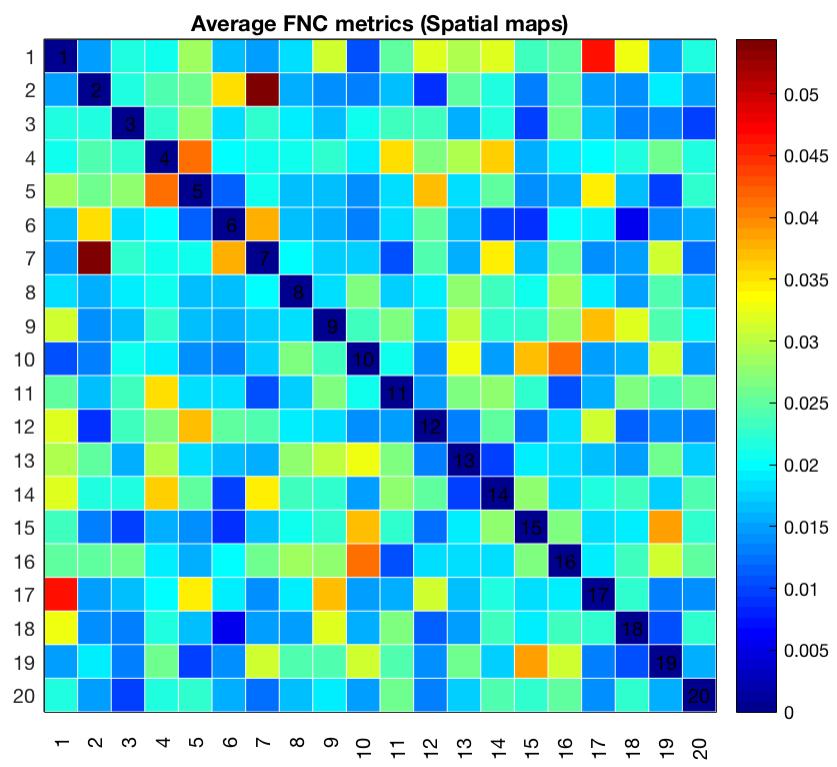
FNC correlations

Functional network connectivity correlations are computed for each data-set and averaged across sessions.



FNC metrics of component spatial maps

Mutual information is computed between components spatially and averaged across data-sets.



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