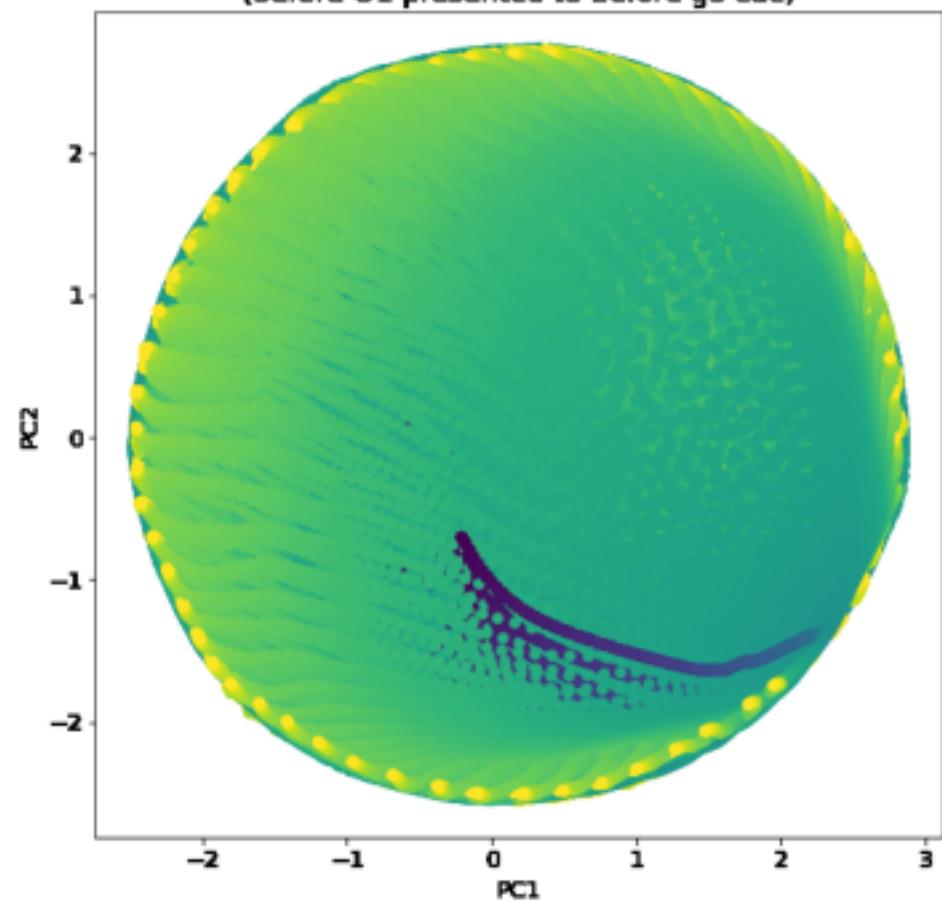
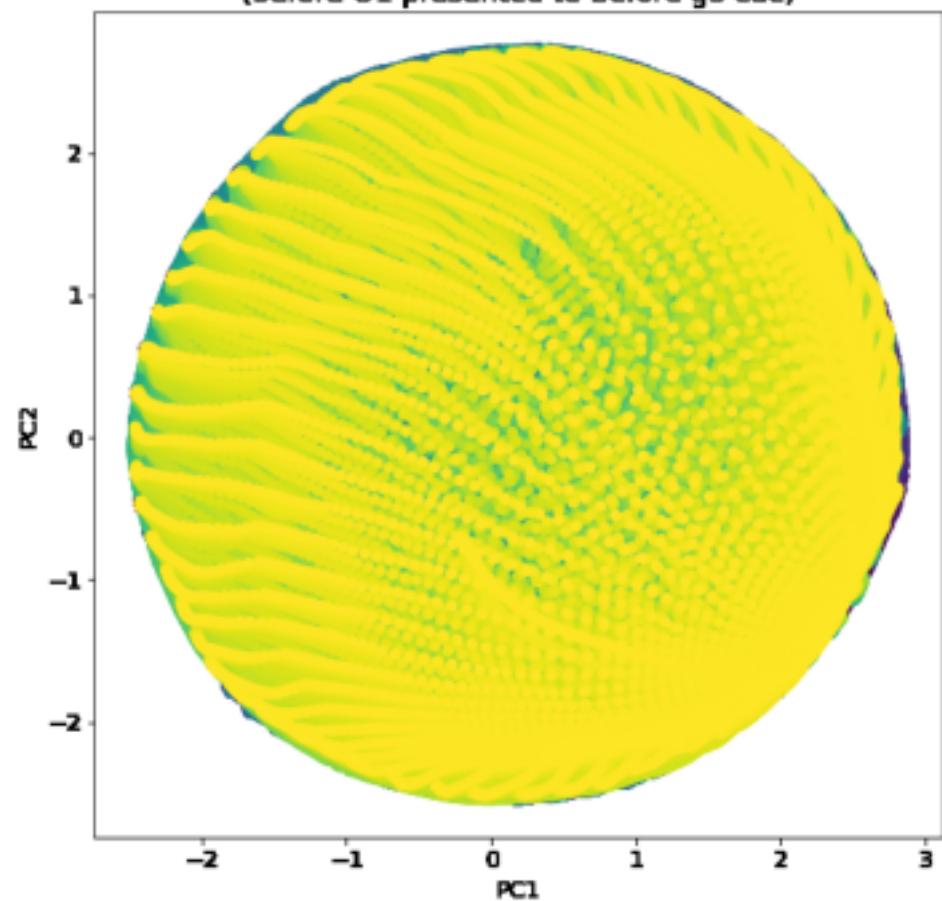




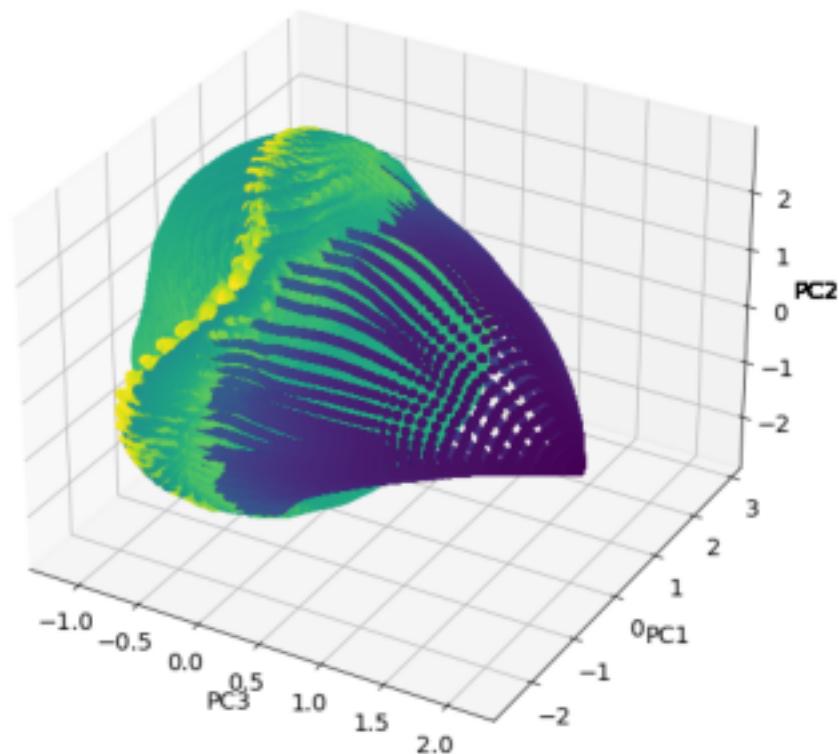
PCA on R2 activity, colored by timestep  
(before O1 presented to before go cue)



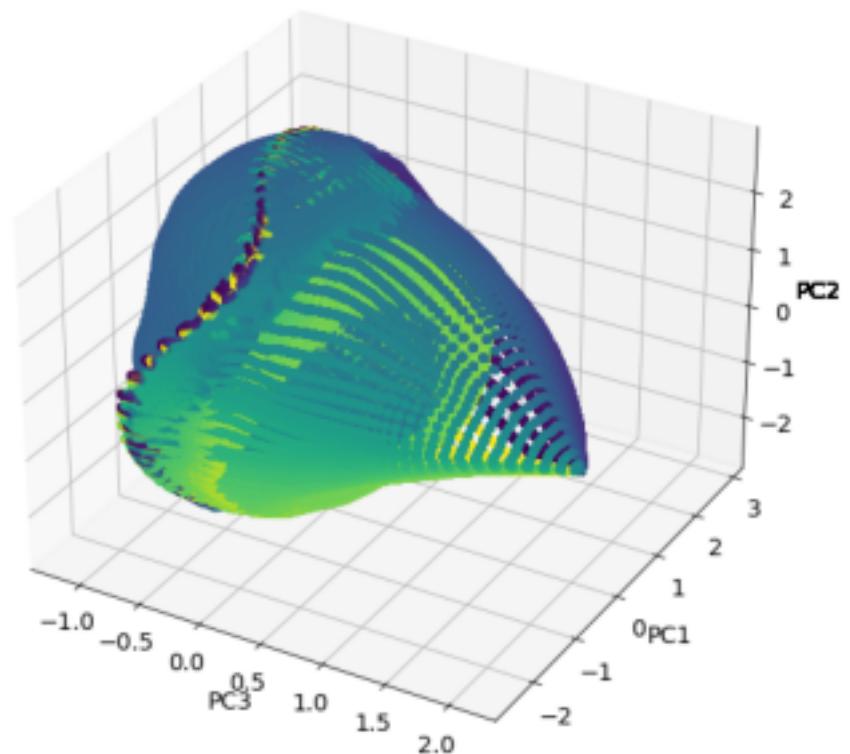
PCA on R2 activity, colored by orientation2  
(before O1 presented to before go cue)

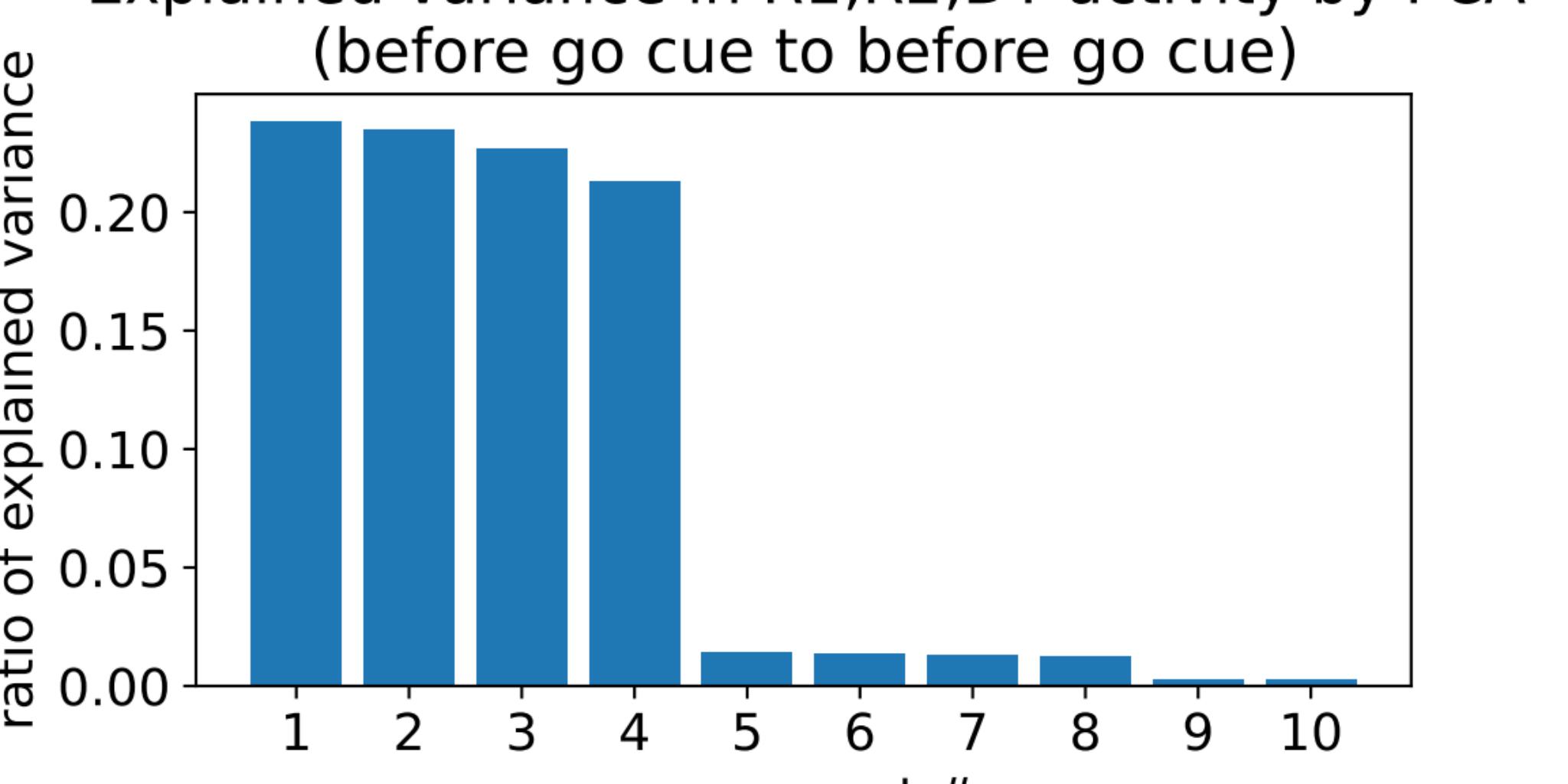


PCA on R2 activity, colored by timestep  
(before O1 presented to before go cue)

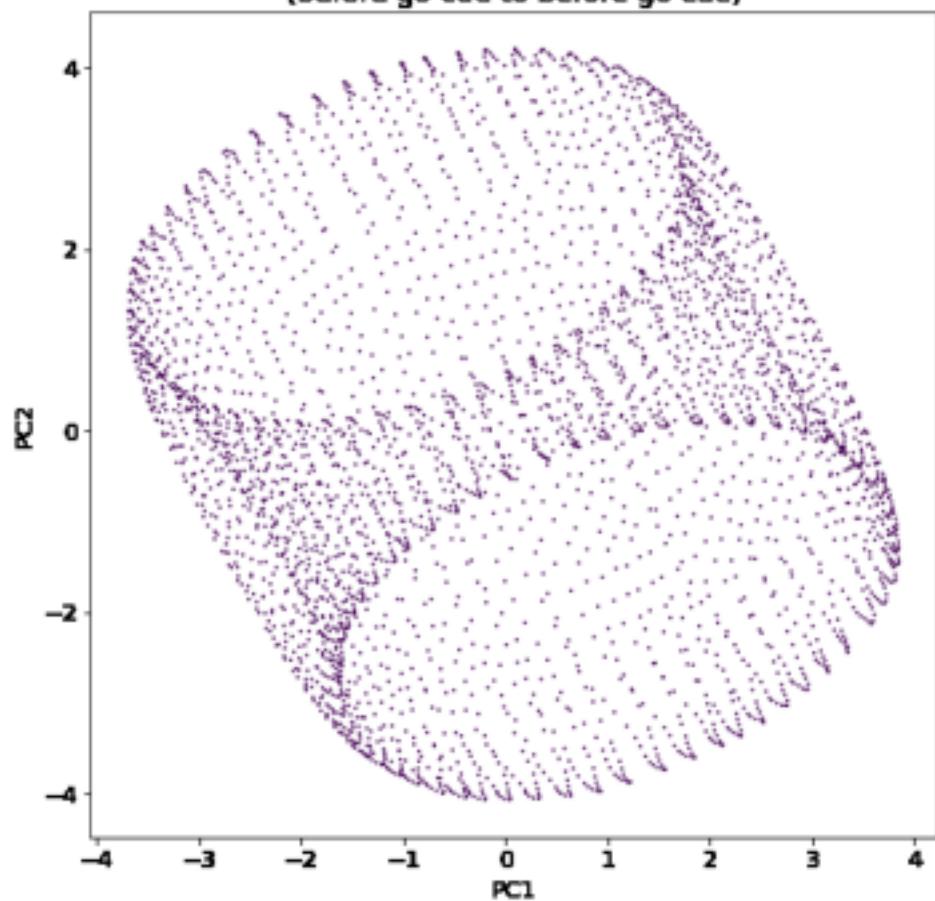


PCA on R2 activity, colored by orientation2  
(before O1 presented to before go cue)

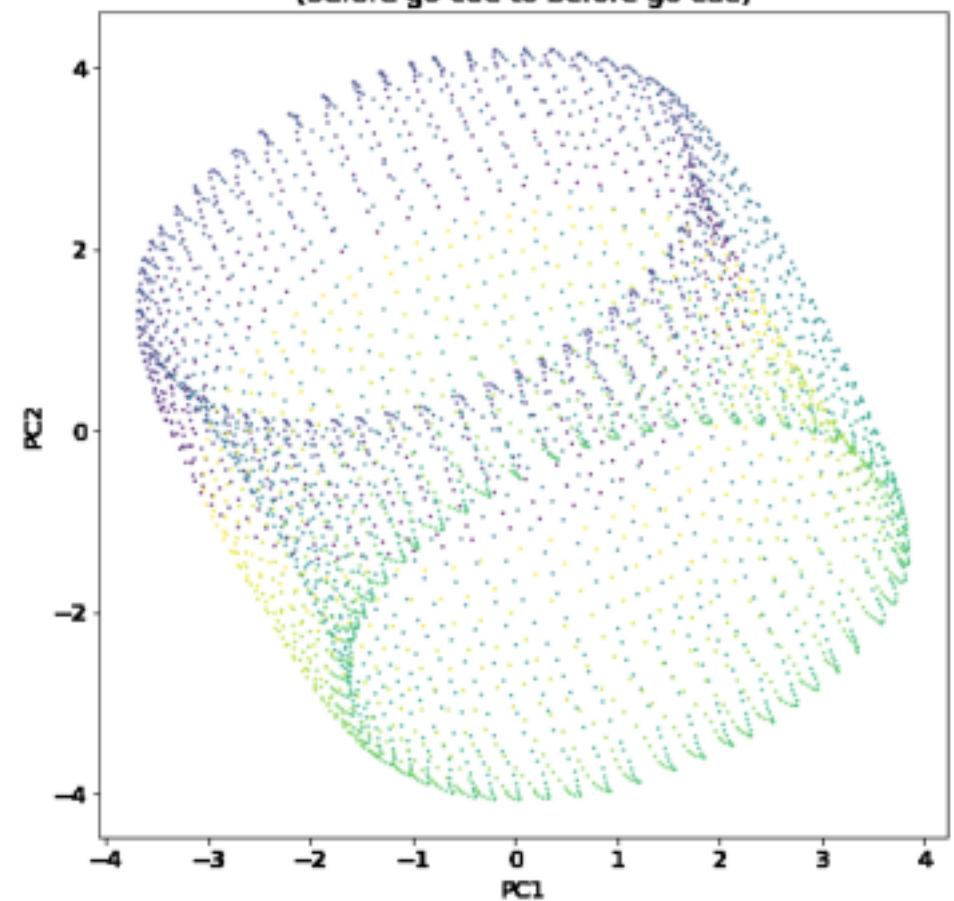




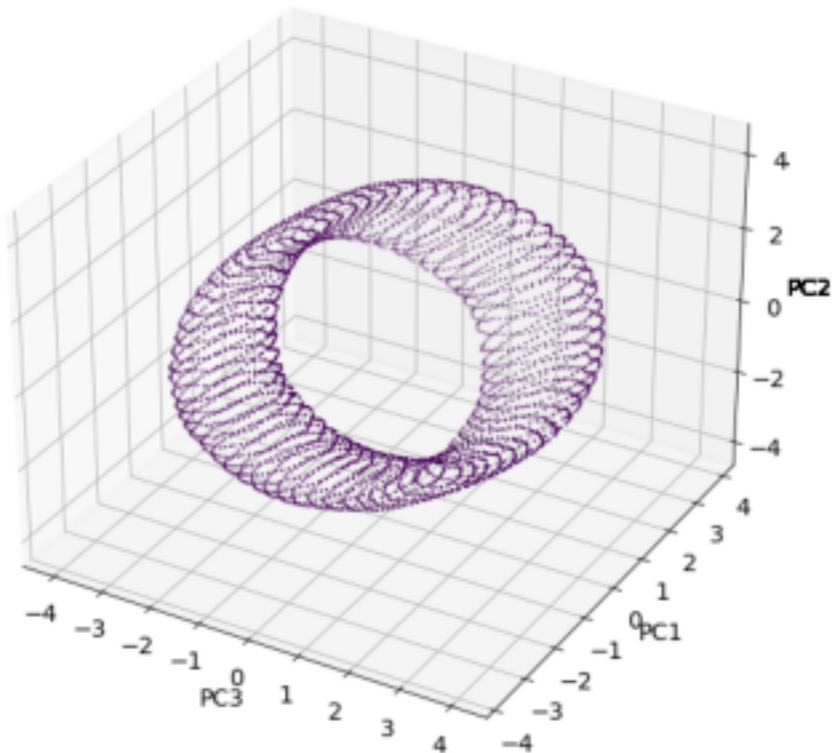
PCA on R1,R2,DT activity, colored by timestep  
(before go cue to before go cue)



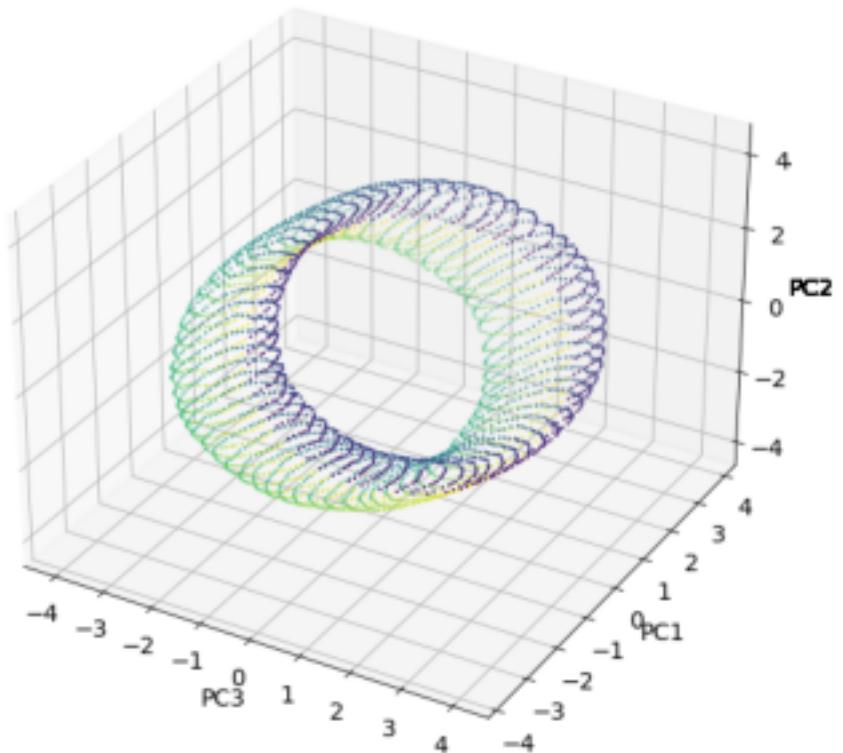
PCA on R1,R2,DT activity, colored by orientation1  
(before go cue to before go cue)



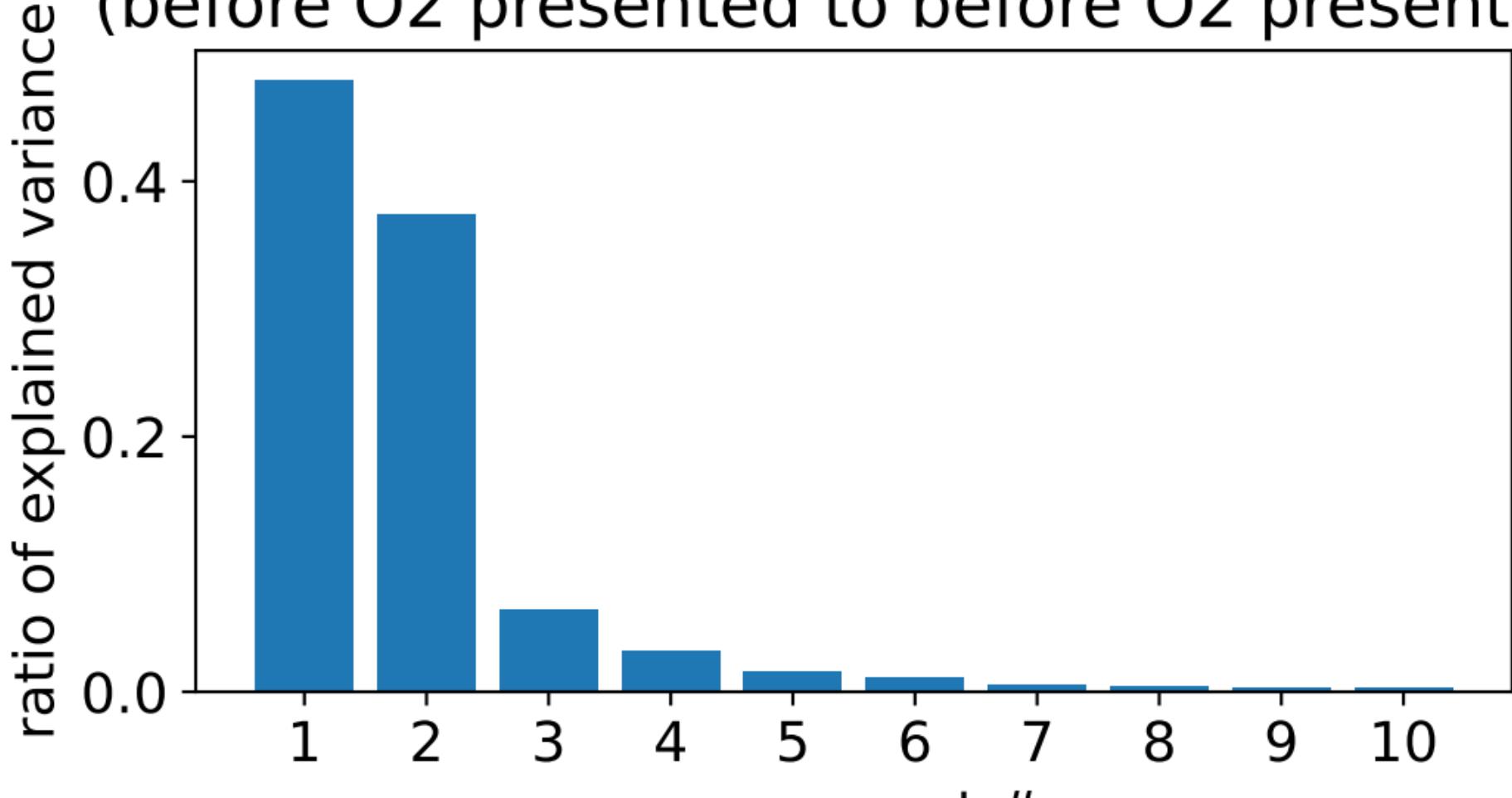
PCA on R1,R2,DT activity, colored by timestep  
(before go cue to before go cue)



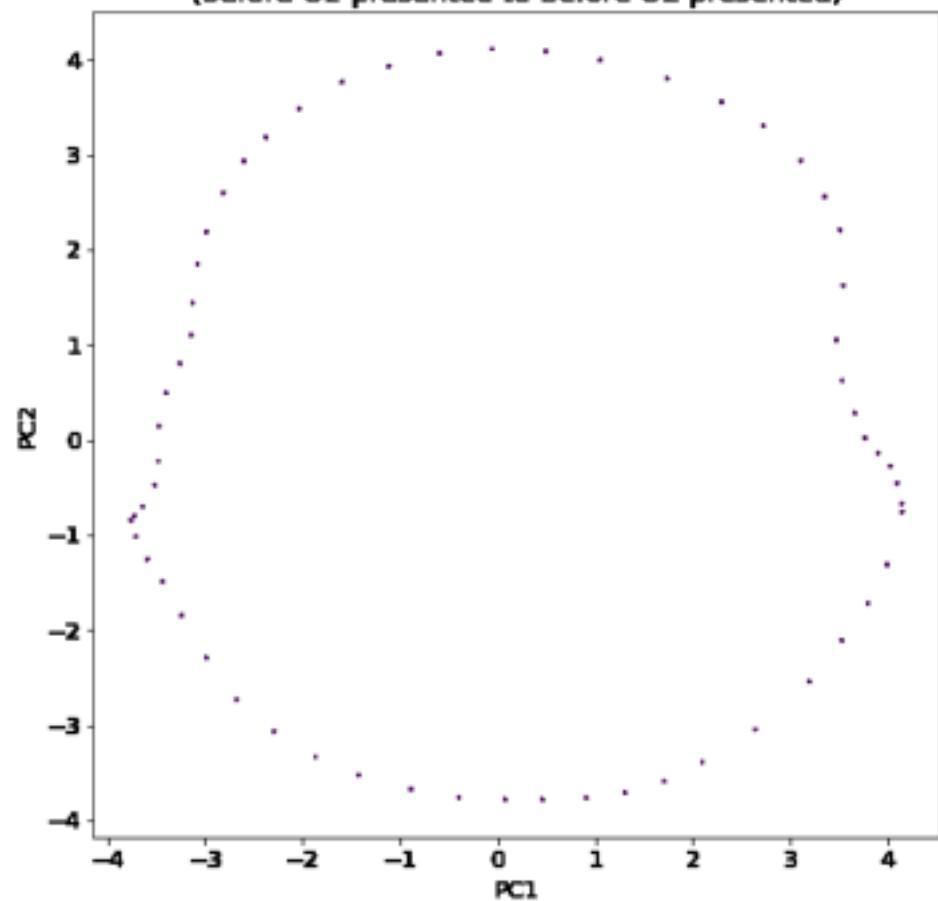
PCA on R1,R2,DT activity, colored by orientation1  
(before go cue to before go cue)



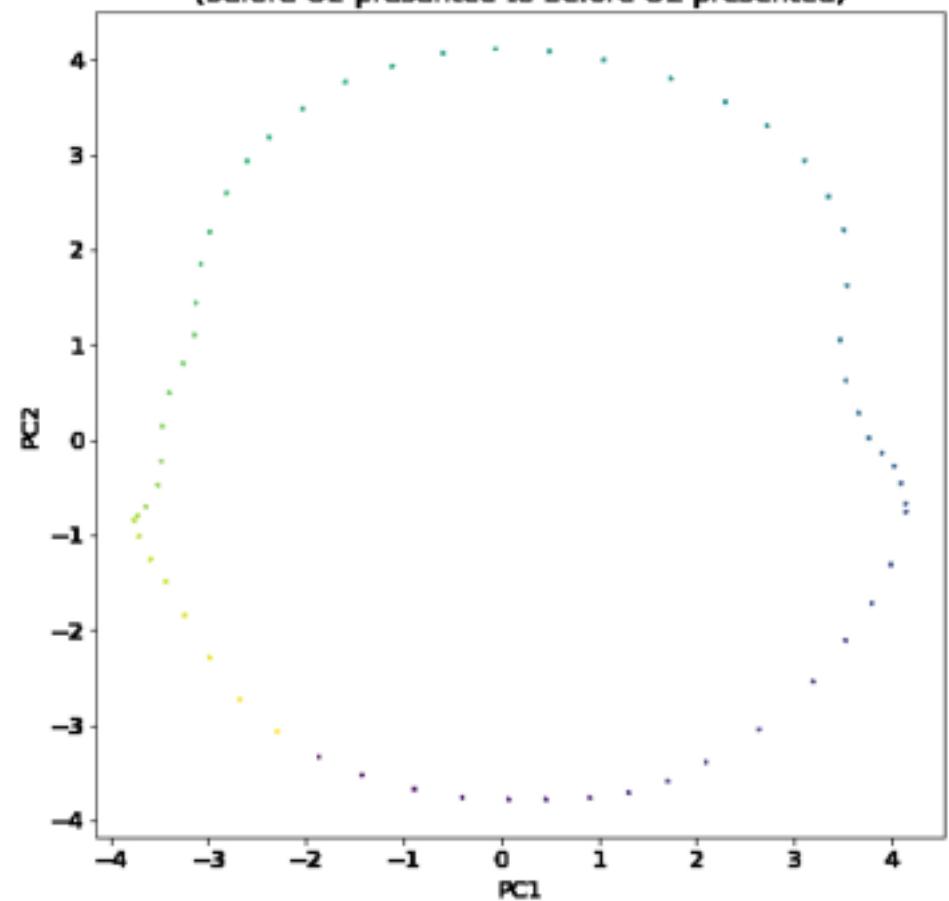
Explained variance in  $\text{O}_2\text{-R}_2$  activity by  $\text{O}_2$   
(before  $\text{O}_2$  presented to before  $\text{O}_2$  presented)



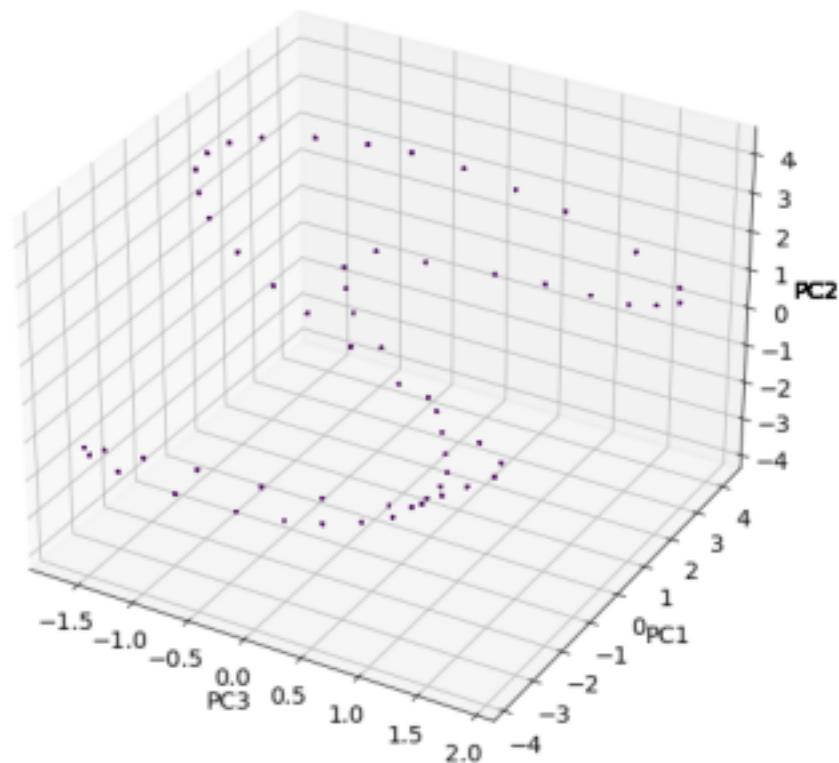
PCA on R1,R2,DT activity, colored by timestep  
(before O2 presented to before O2 presented)



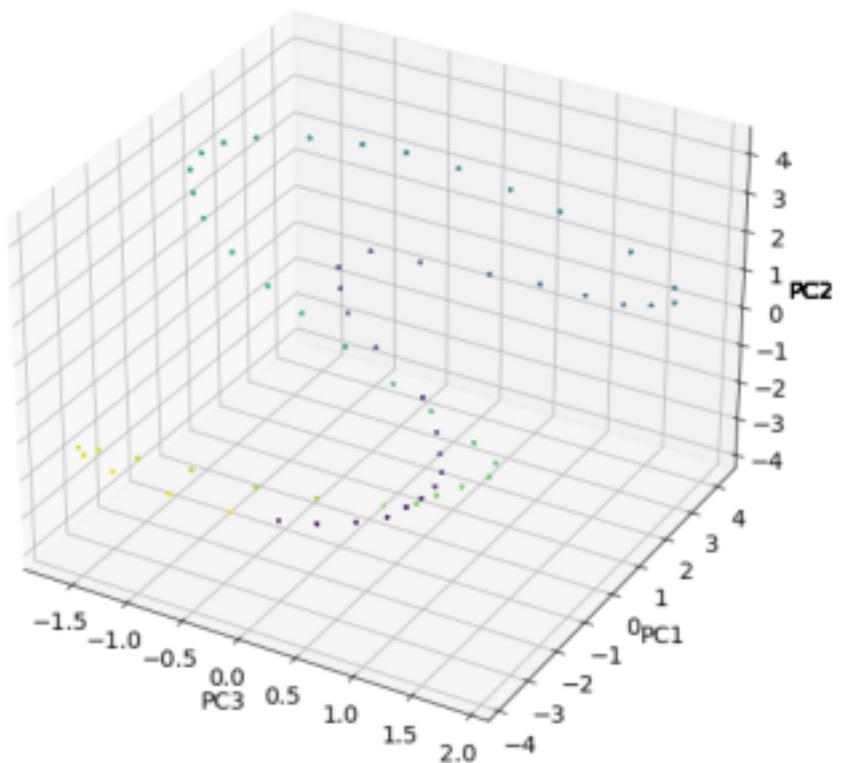
PCA on R1,R2,DT activity, colored by orientation1  
(before O2 presented to before O2 presented)

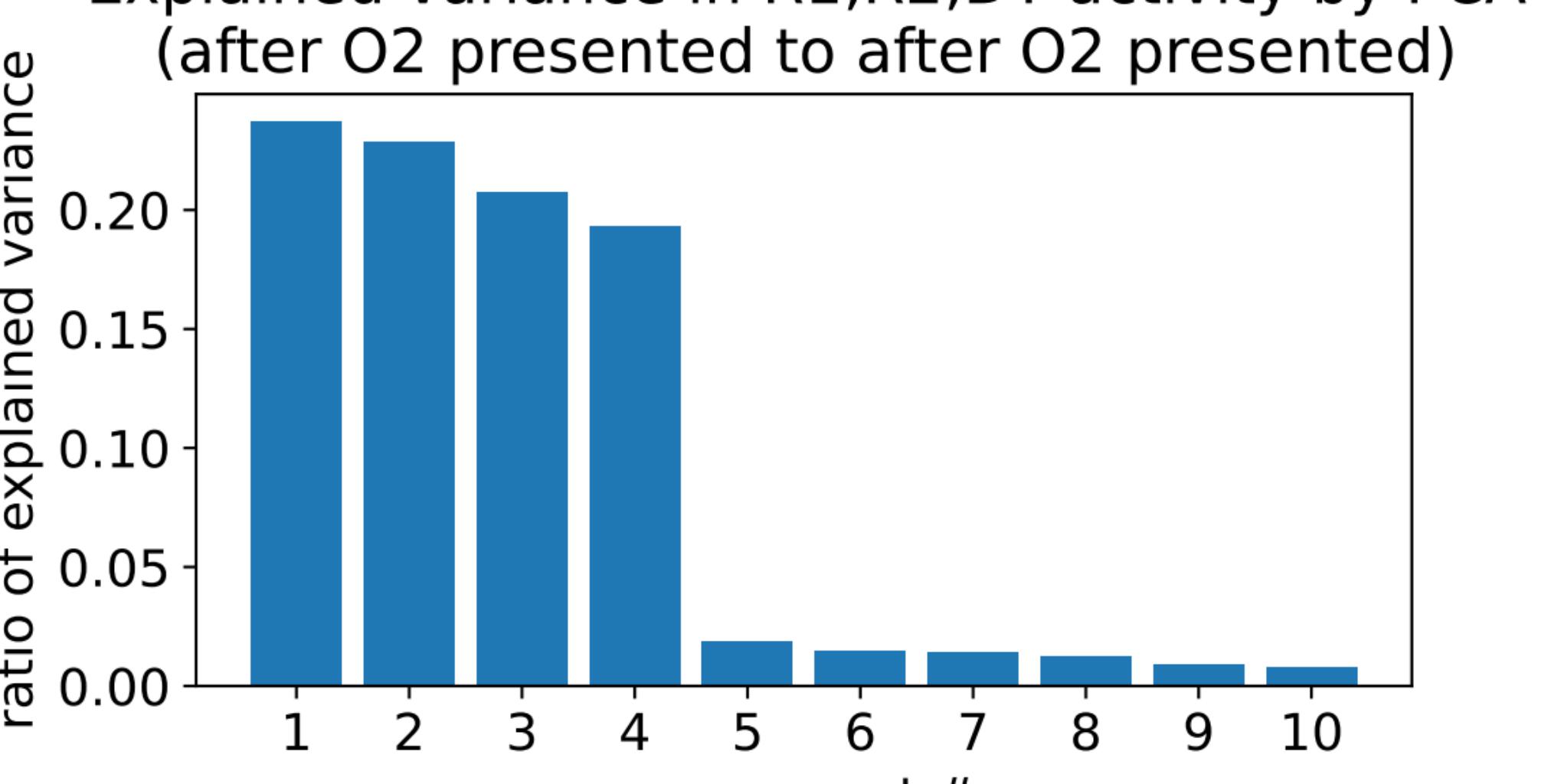


PCA on R1,R2,DT activity, colored by timestep  
(before O2 presented to before O2 presented)

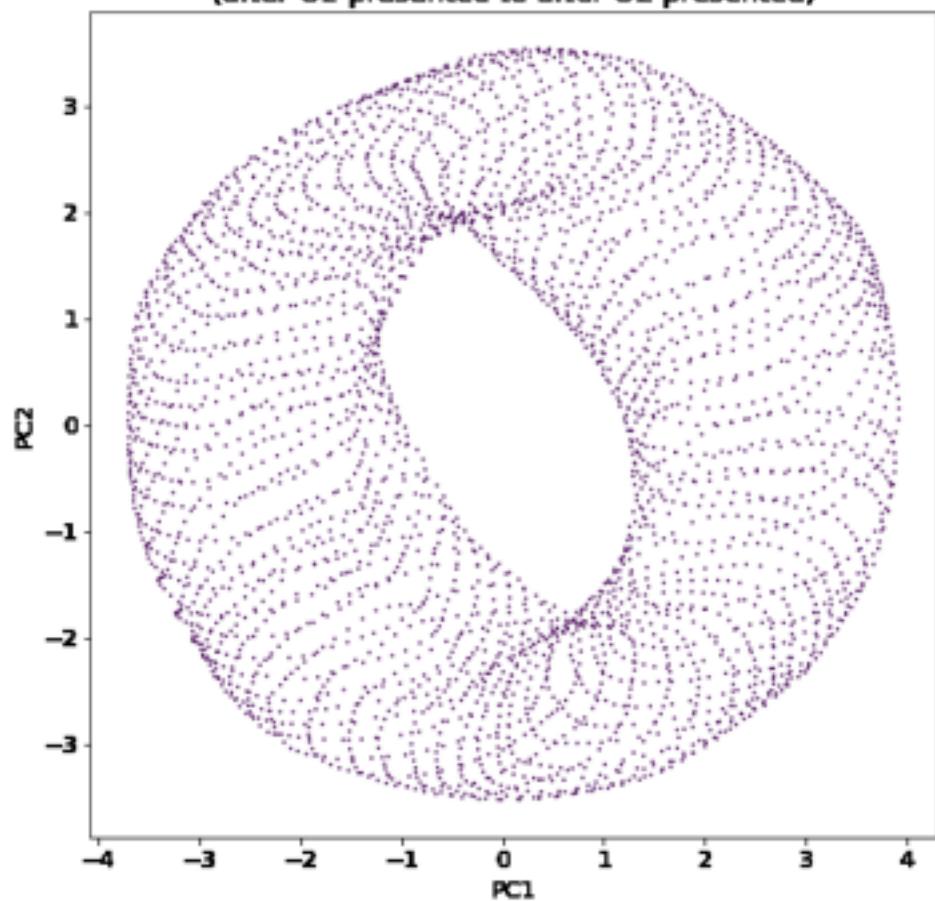


PCA on R1,R2,DT activity, colored by orientation1  
(before O2 presented to before O2 presented)

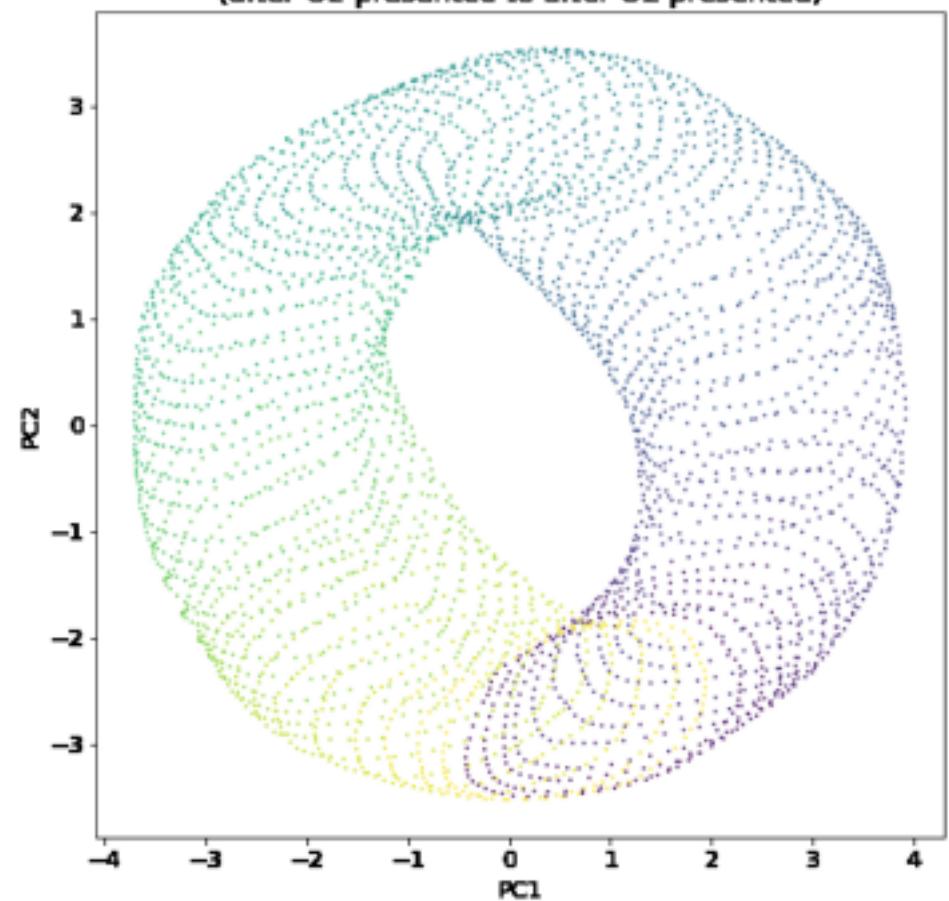




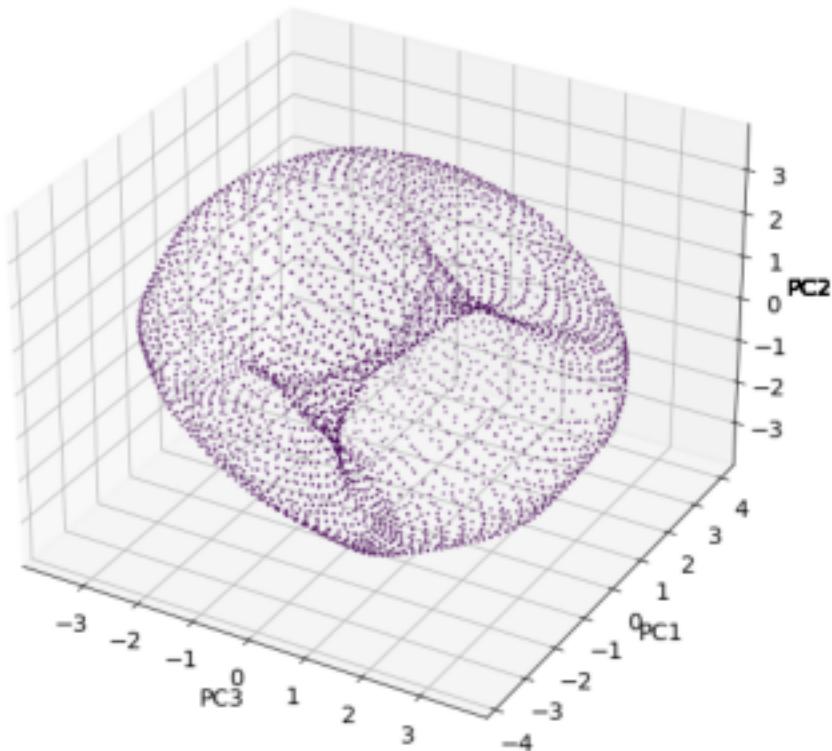
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



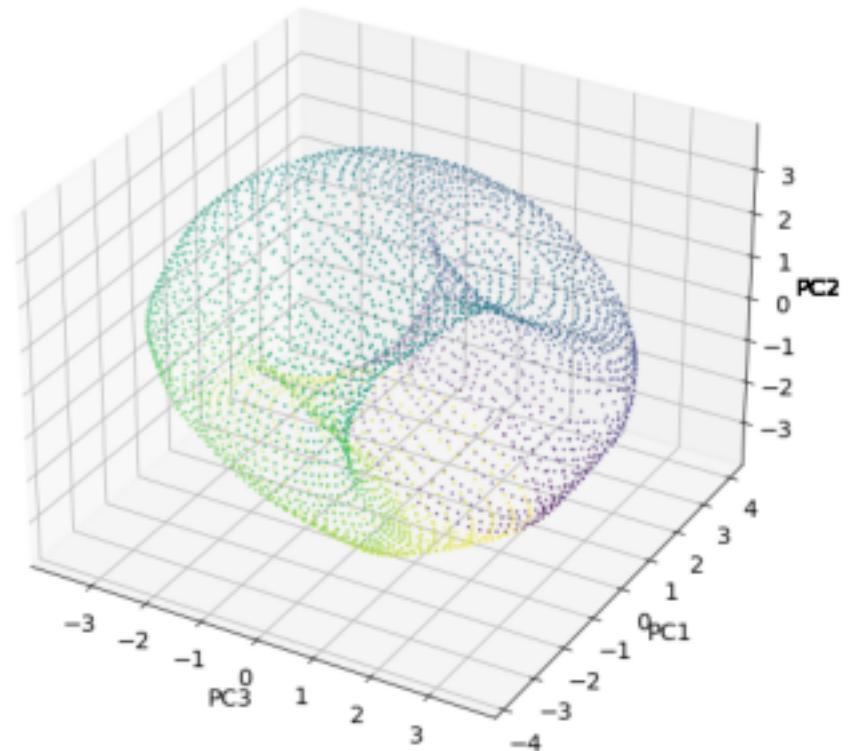
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



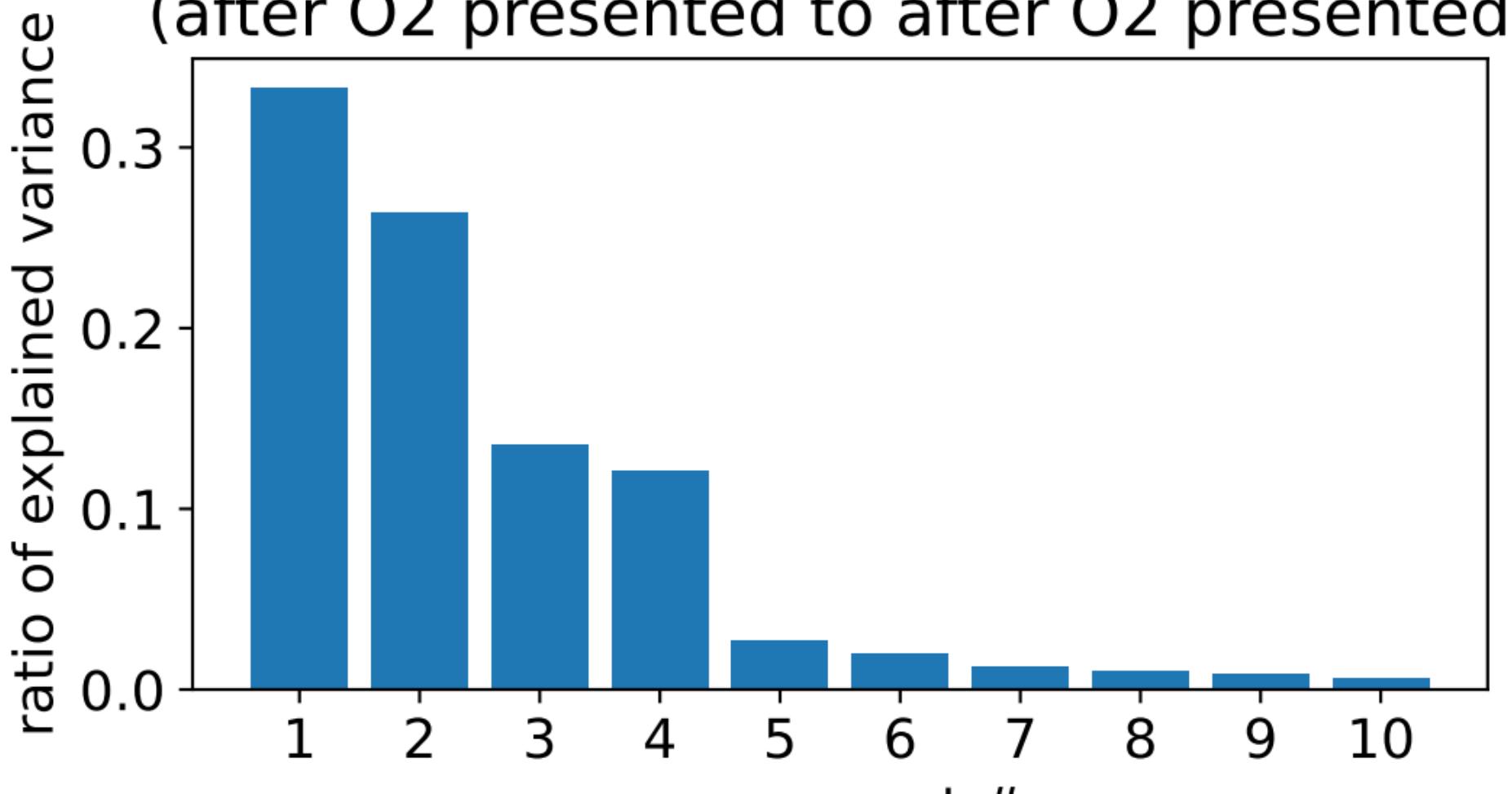
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



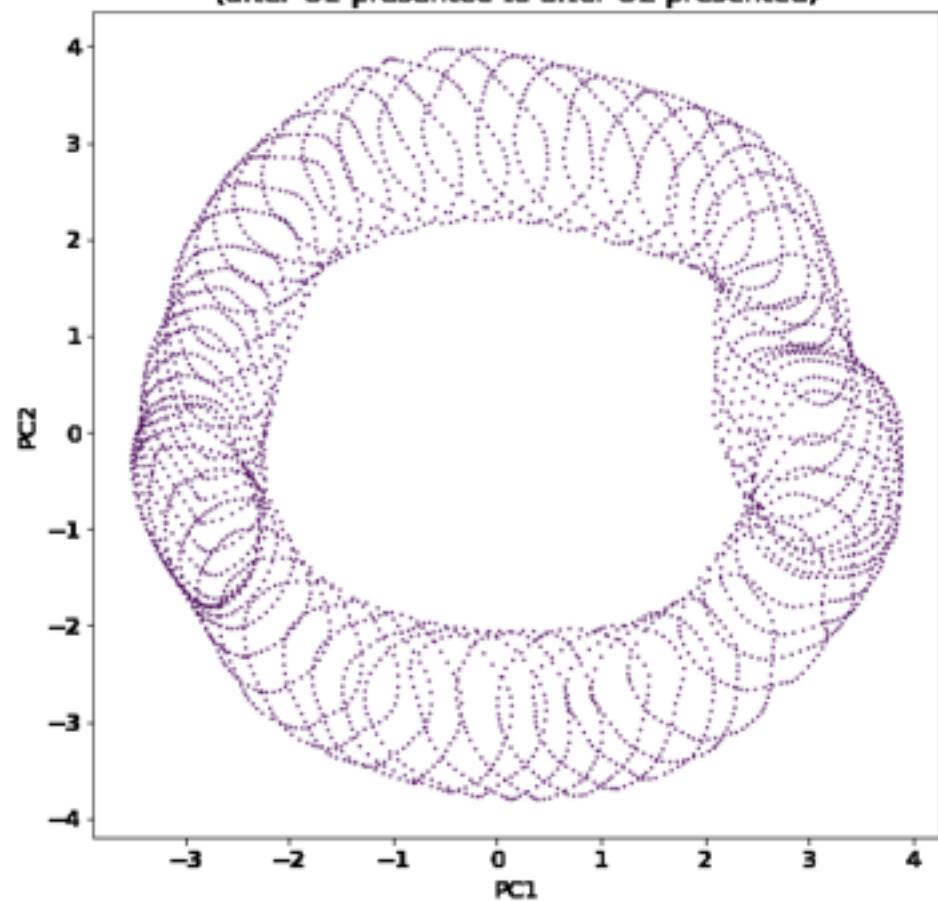
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



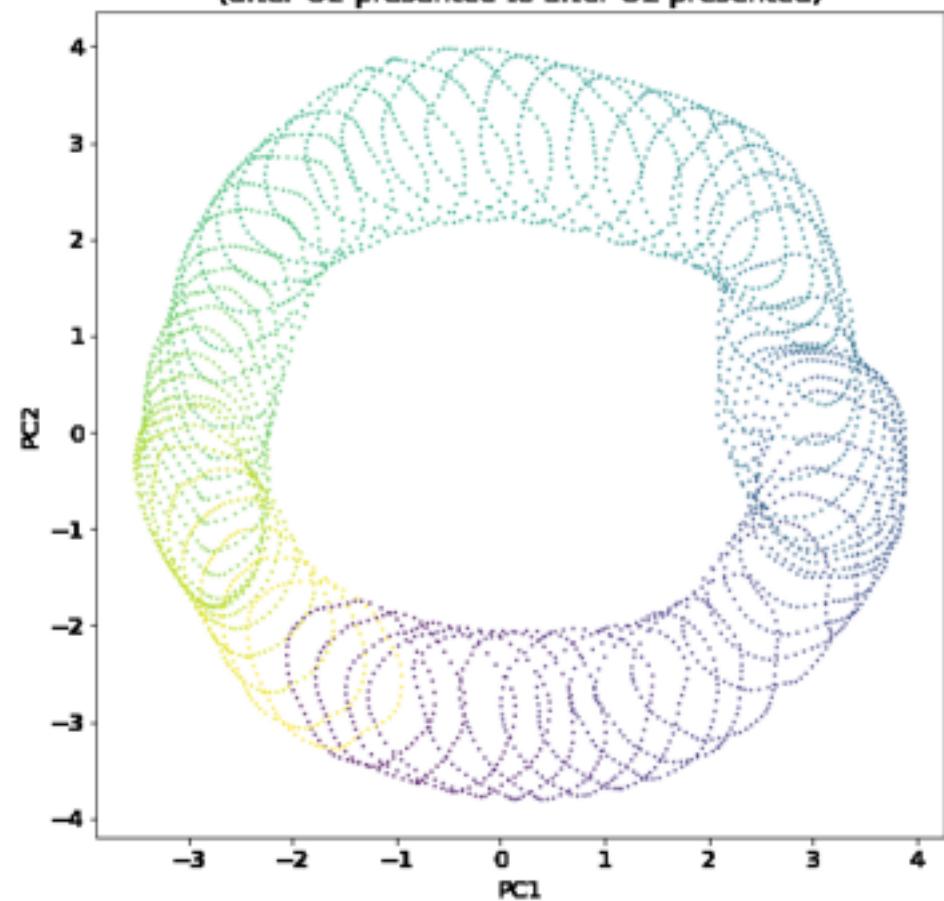
Explained variance after O<sub>2</sub>, O<sub>2</sub>, D<sub>2</sub> activity by PLS  
(after O<sub>2</sub> presented to after O<sub>2</sub> presented)



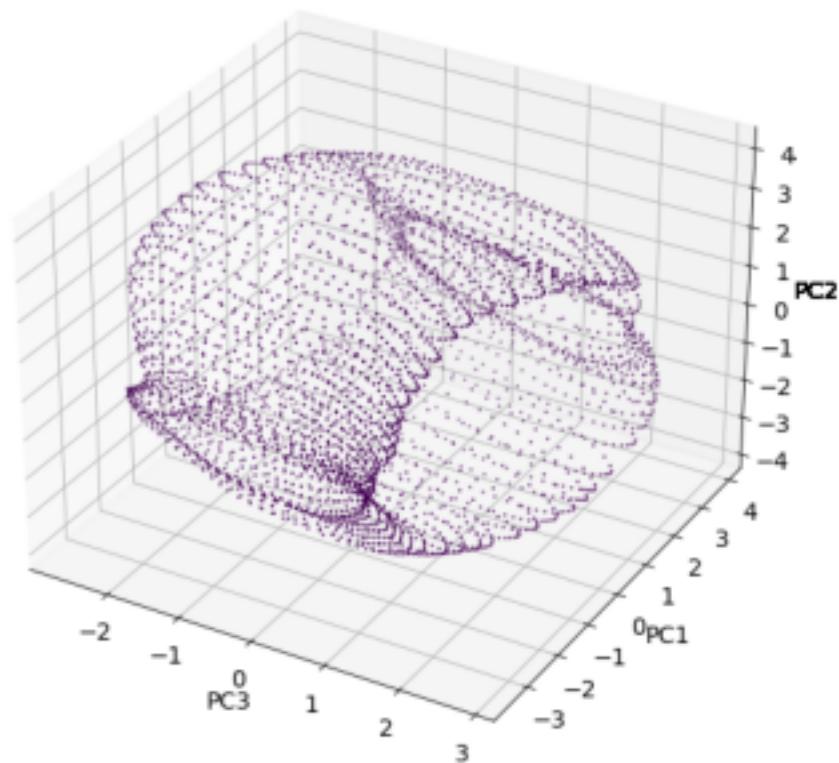
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



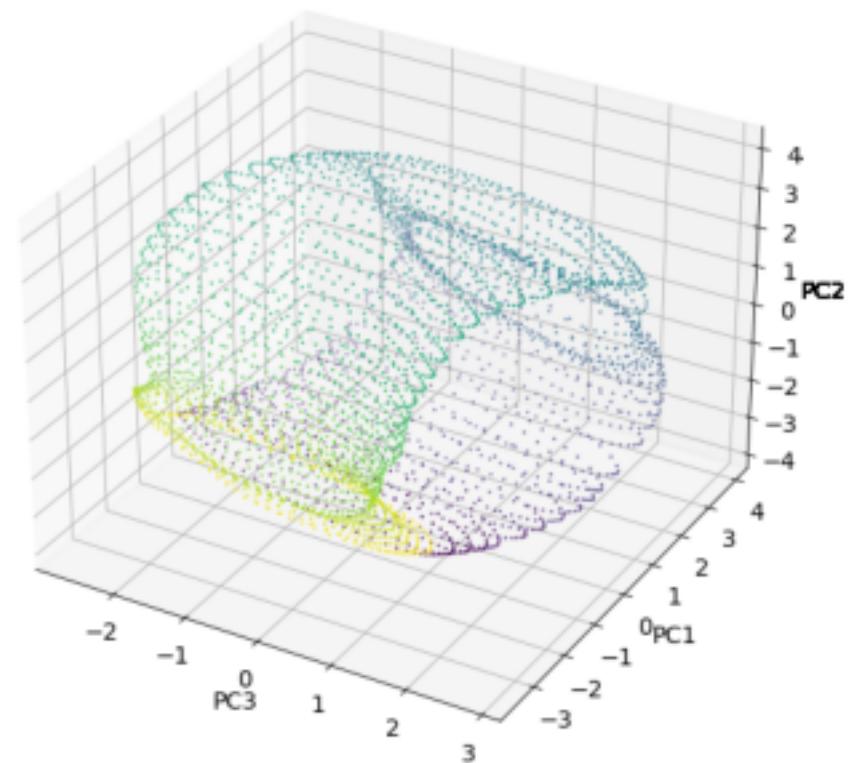
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



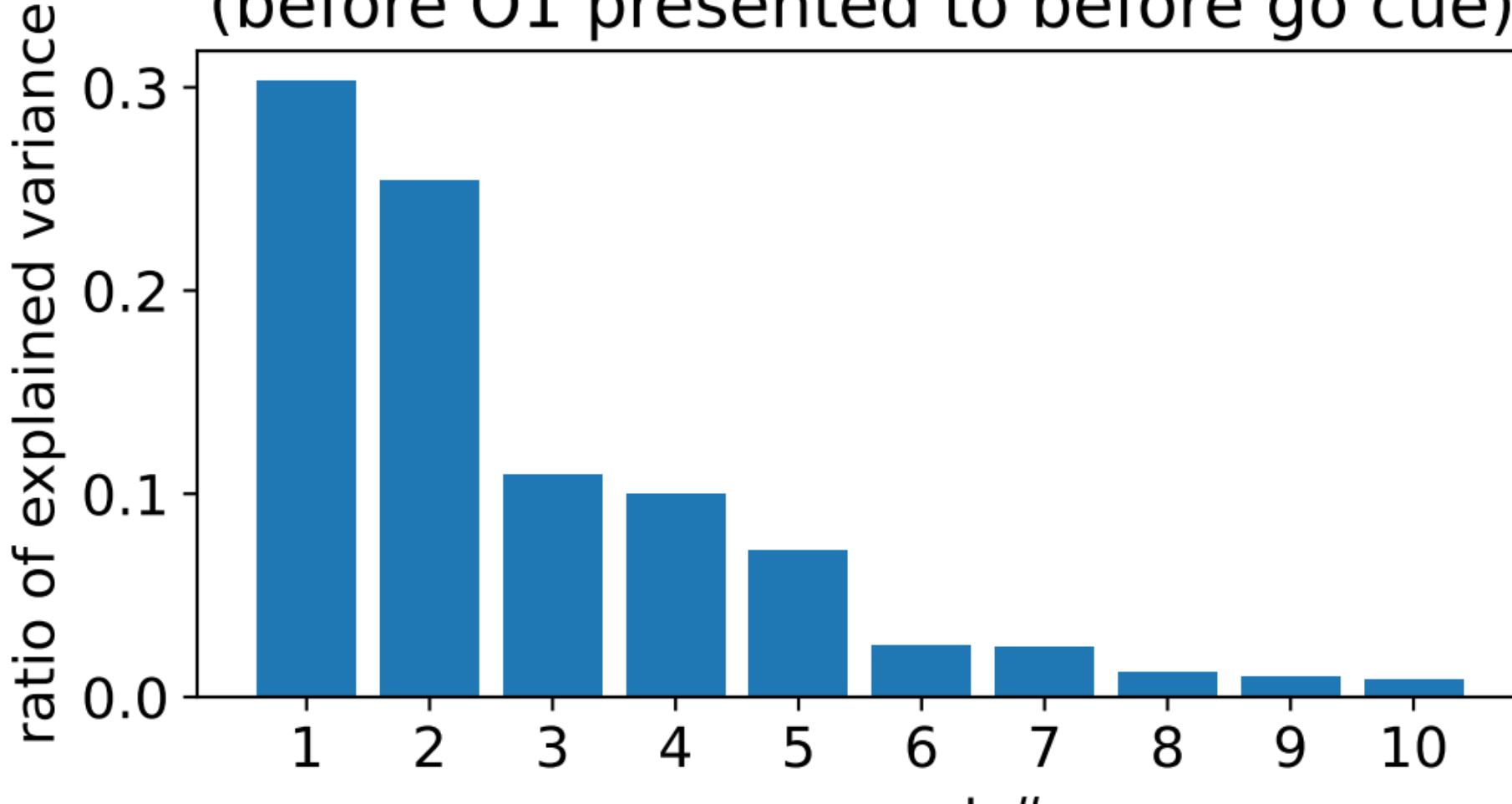
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



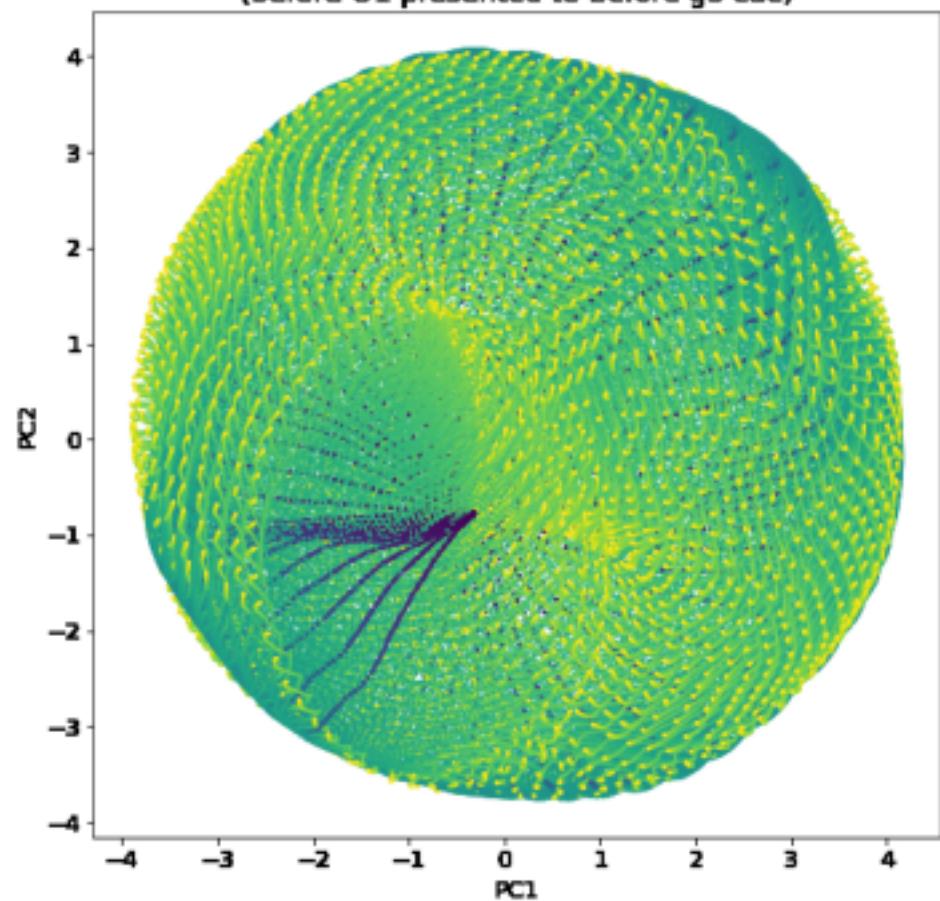
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



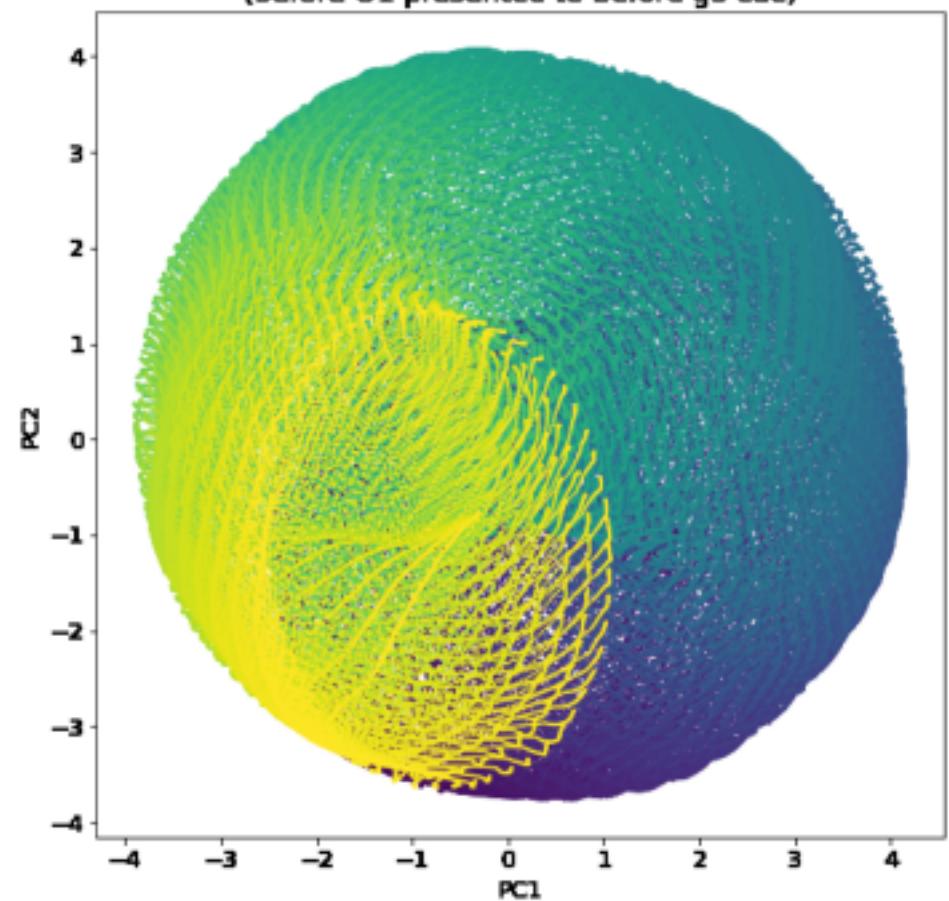
(before O1 presented to before go cue)



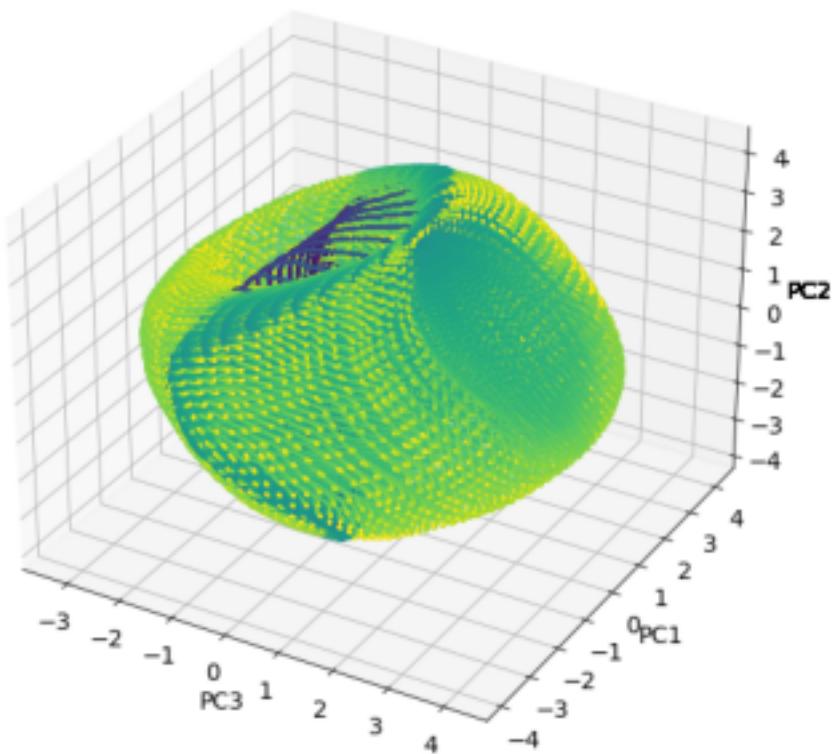
PCA on R1,R2,DT activity, colored by timestep  
(before O1 presented to before go cue)



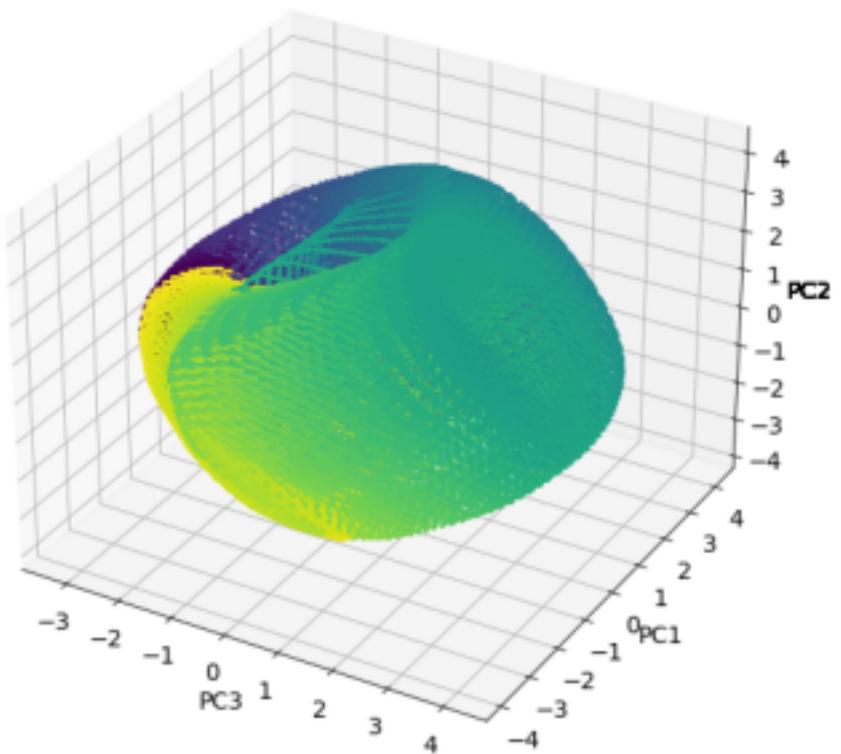
PCA on R1,R2,DT activity, colored by orientation1  
(before O1 presented to before go cue)



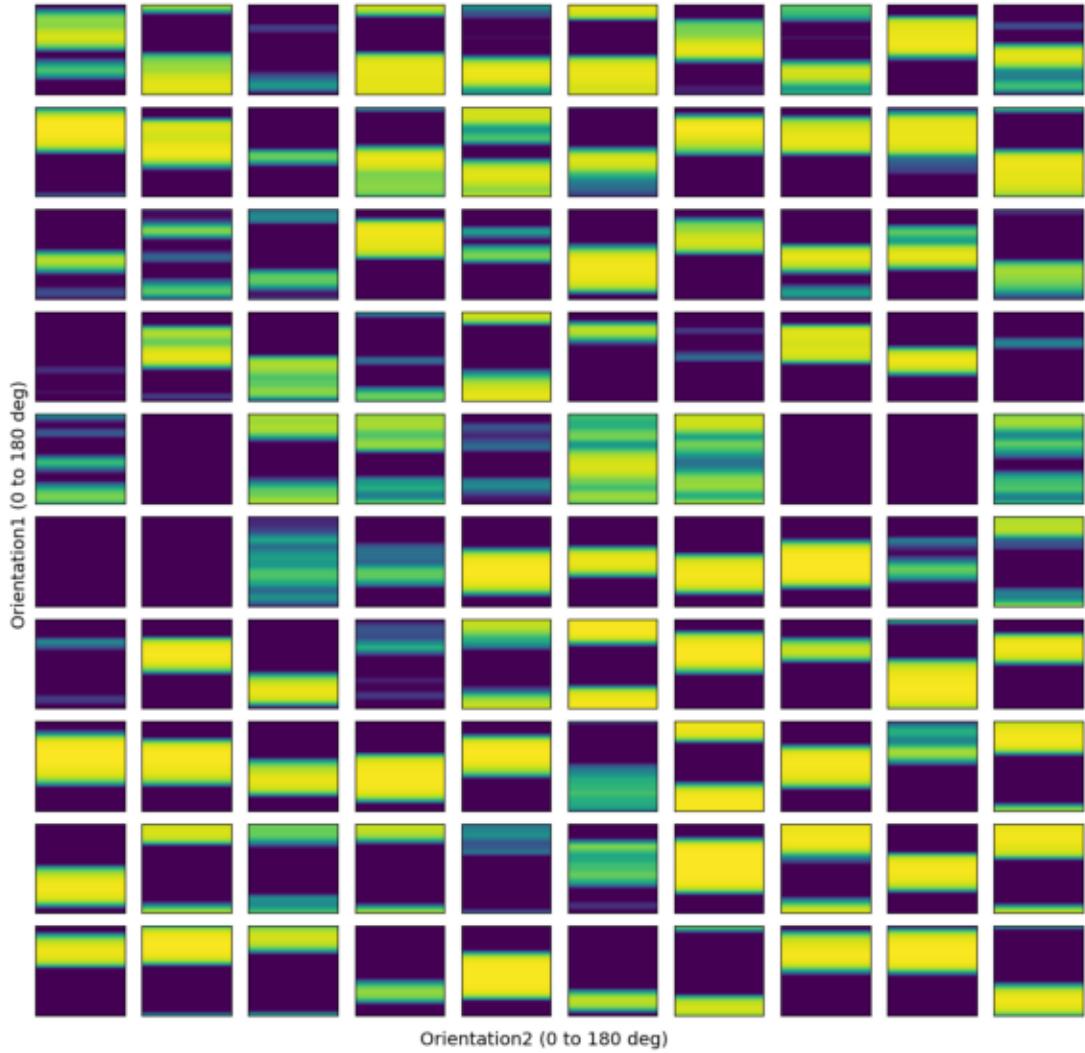
PCA on R1,R2,DT activity, colored by timestep  
(before O1 presented to before go cue)



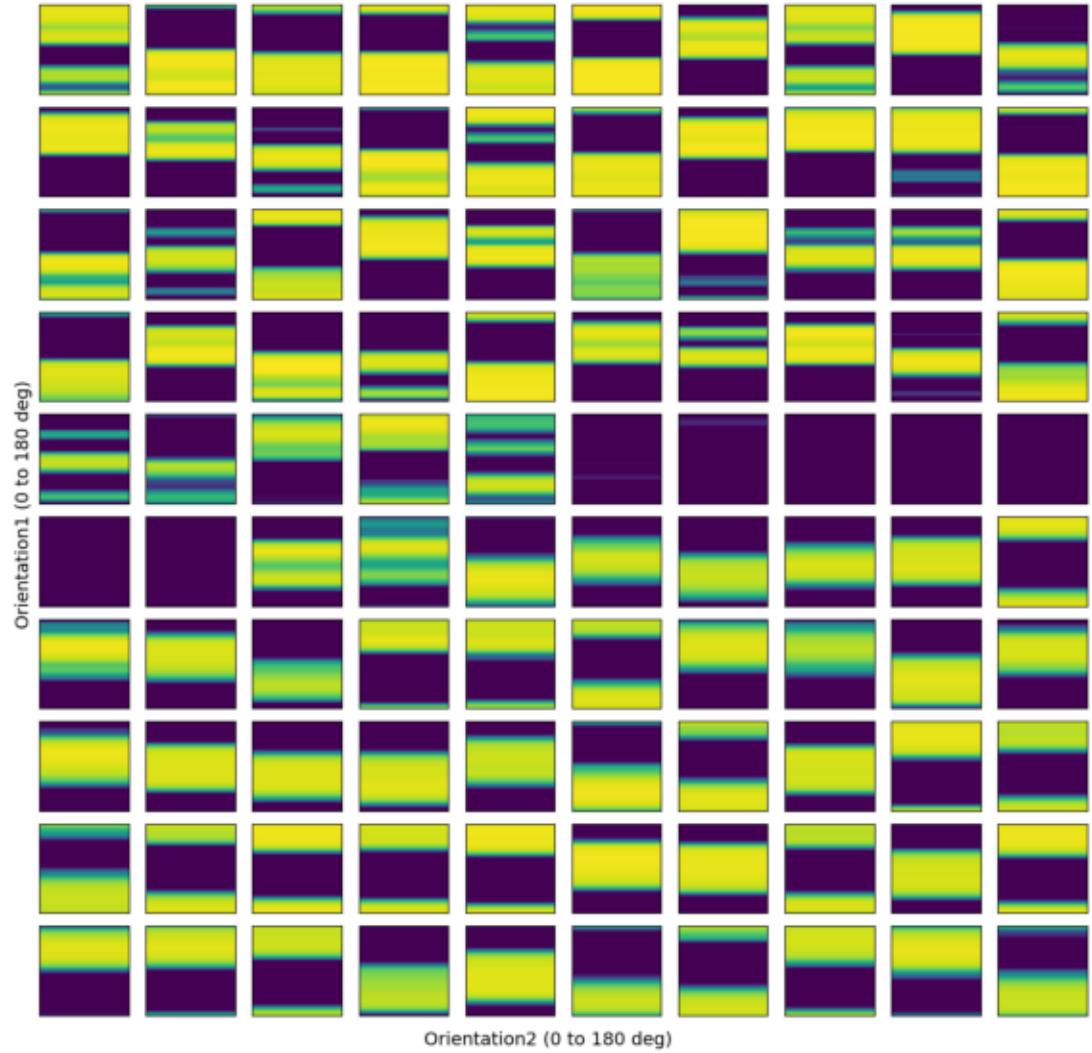
PCA on R1,R2,DT activity, colored by orientation1  
(before O1 presented to before go cue)



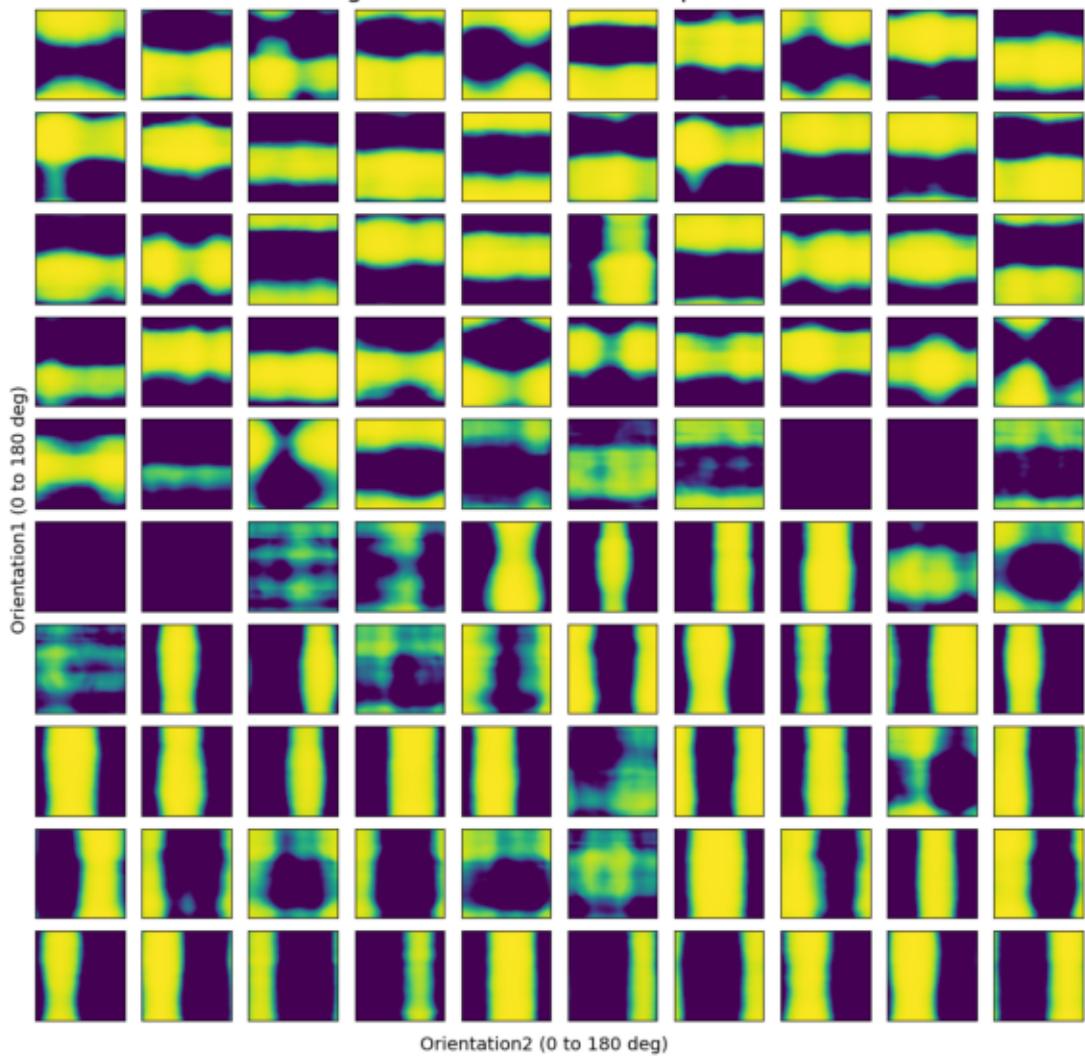
Tuning to orientations after O1 presented



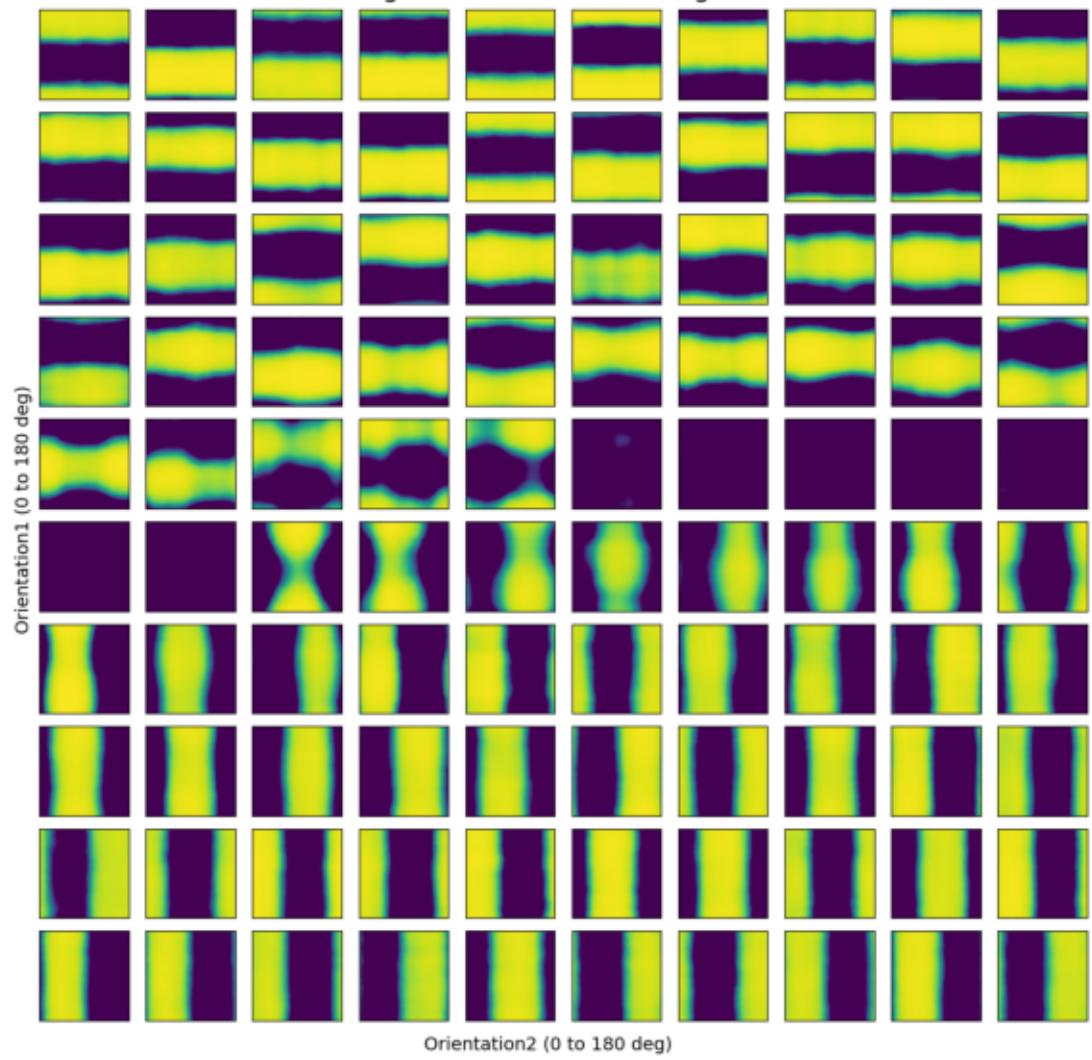
Tuning to orientations before O2 presented



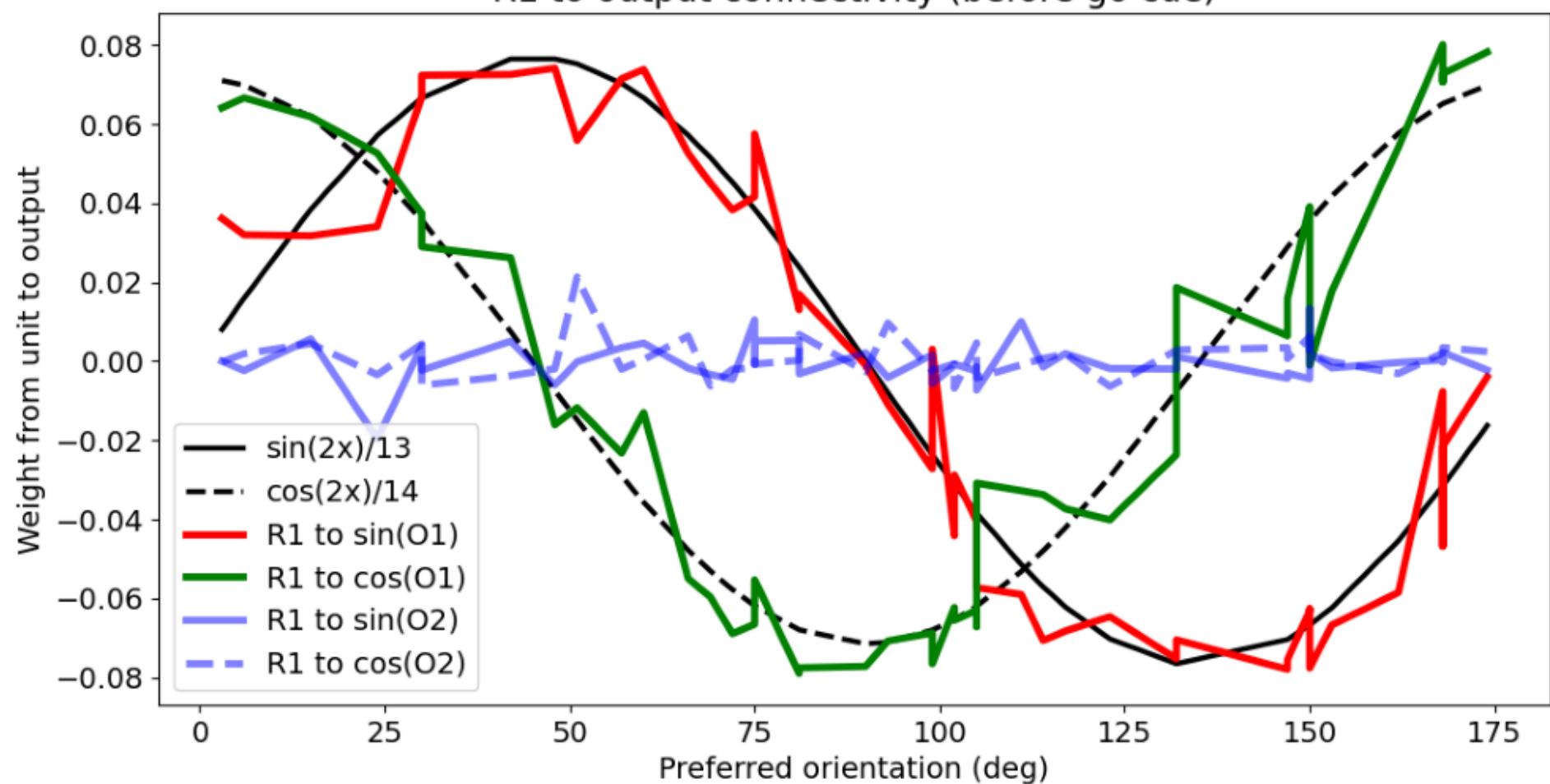
Tuning to orientations after O2 presented



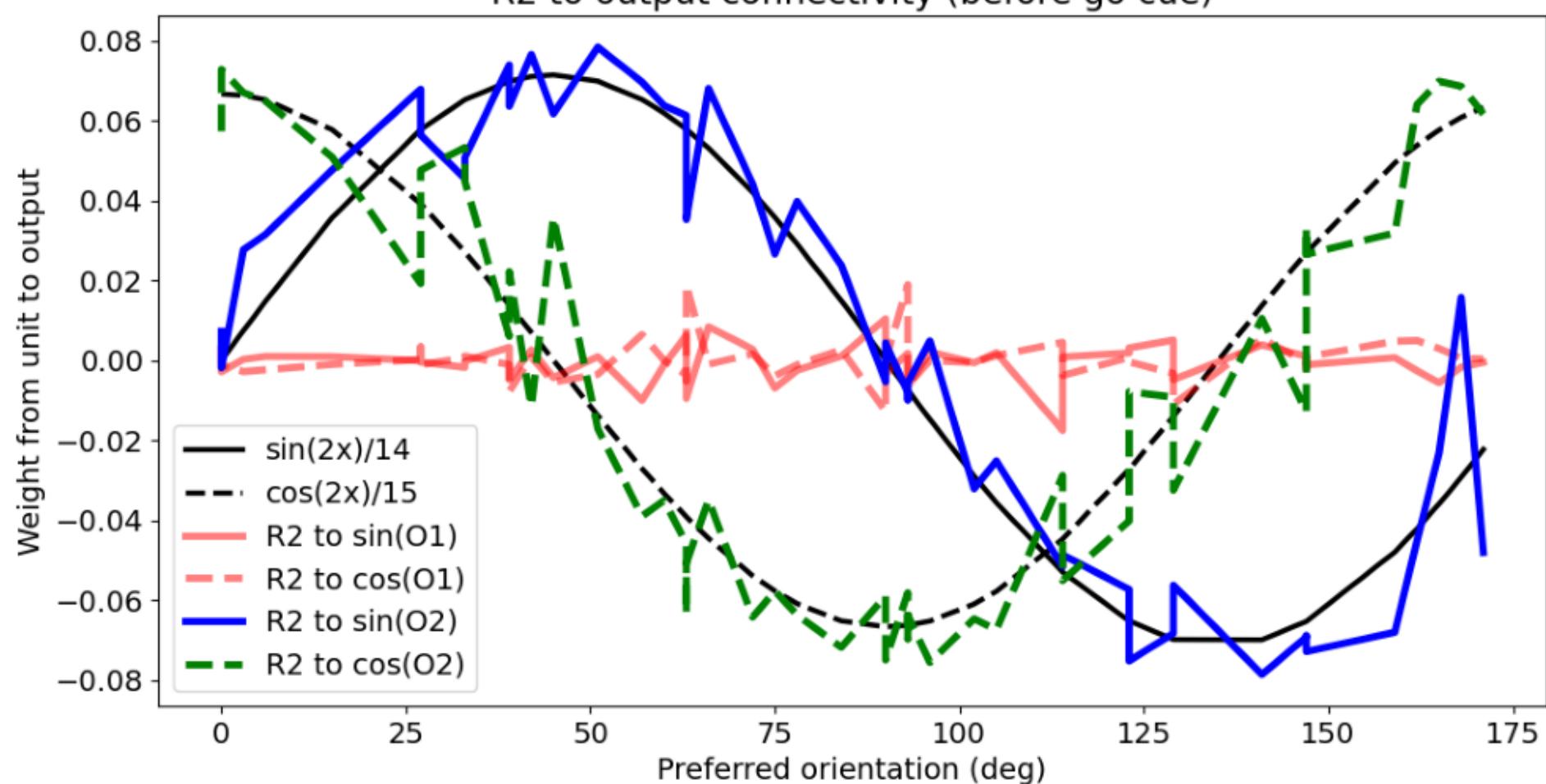
Tuning to orientations before go cue



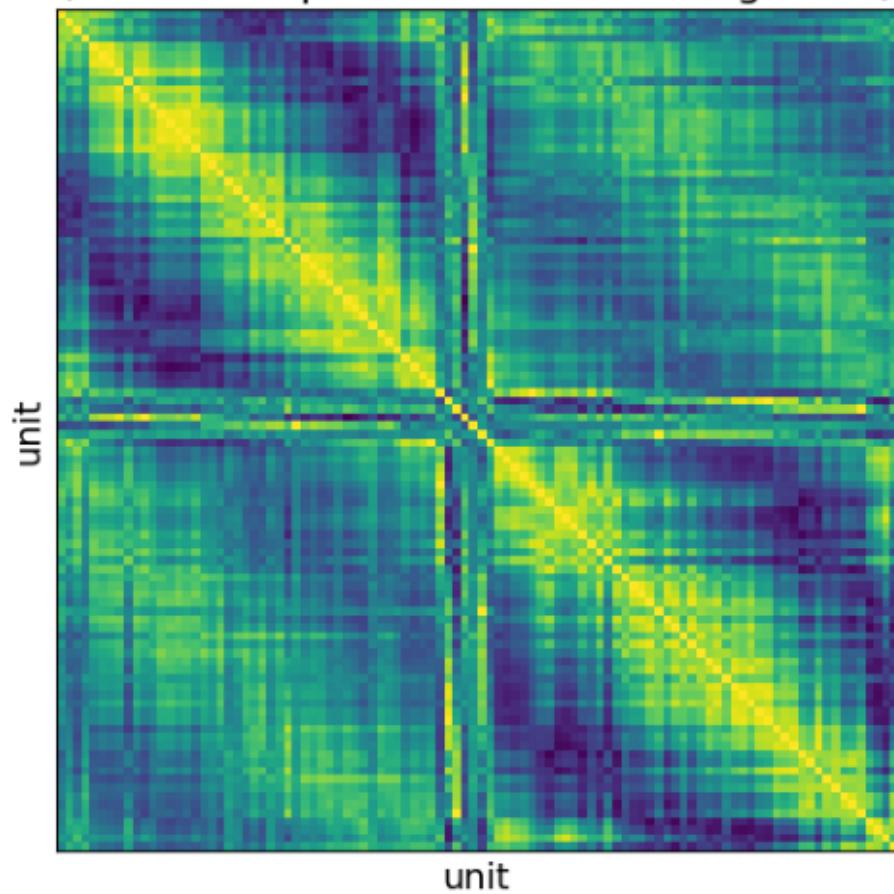
R1 to output connectivity (before go cue)



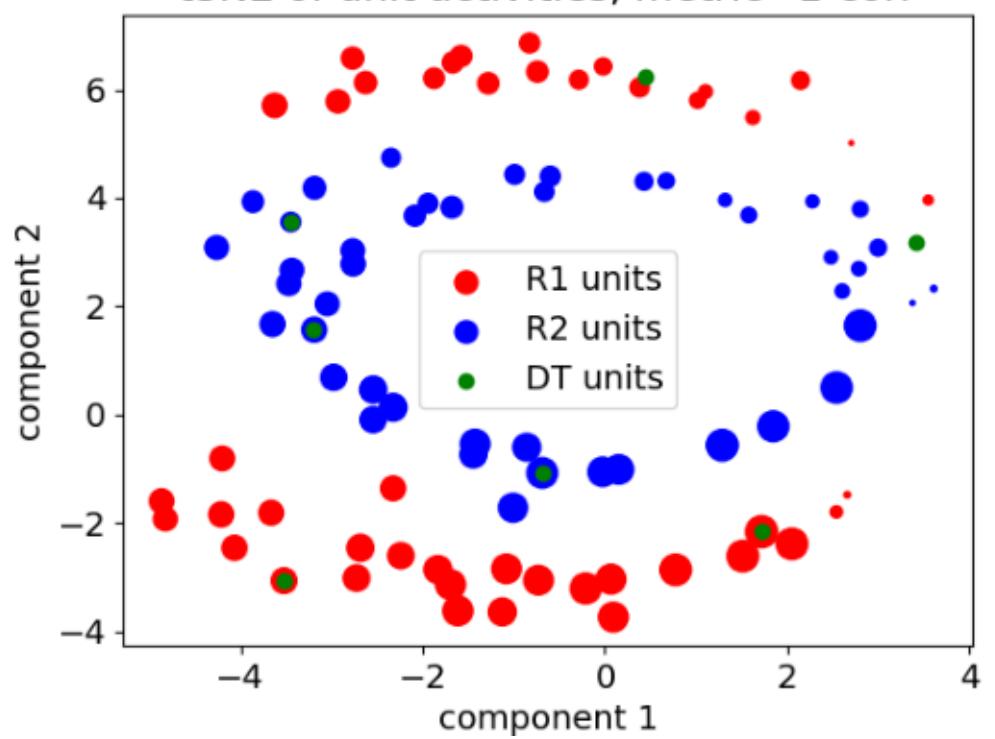
R2 to output connectivity (before go cue)



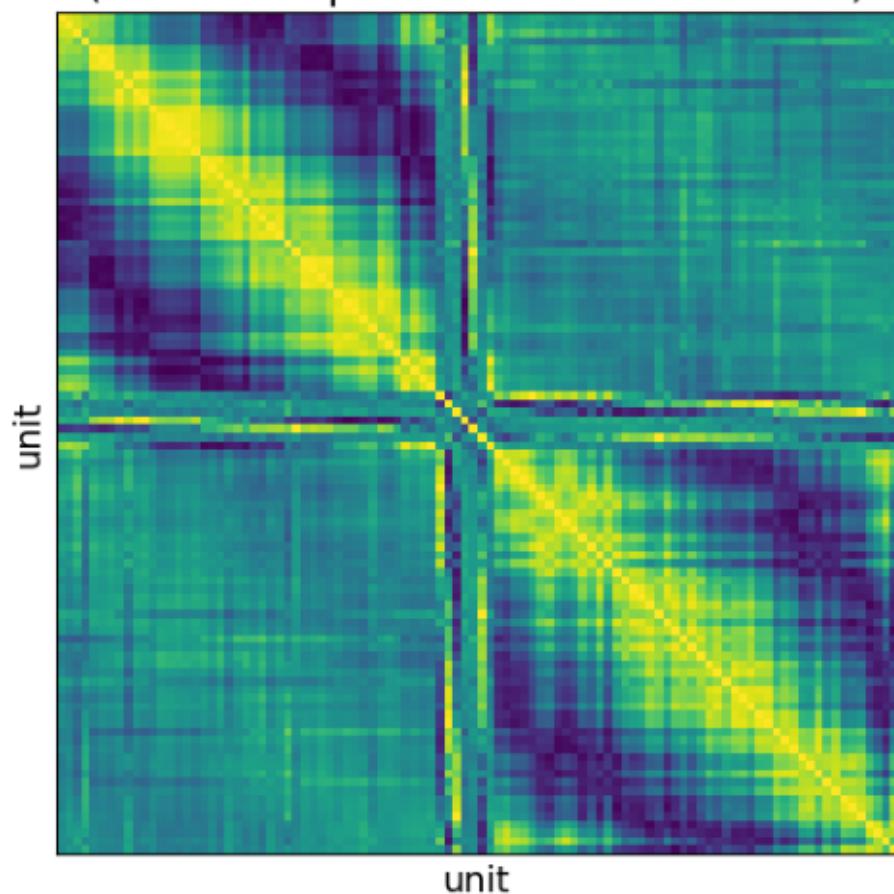
correlation of unit activities  
(before O1 presented to before go cue)



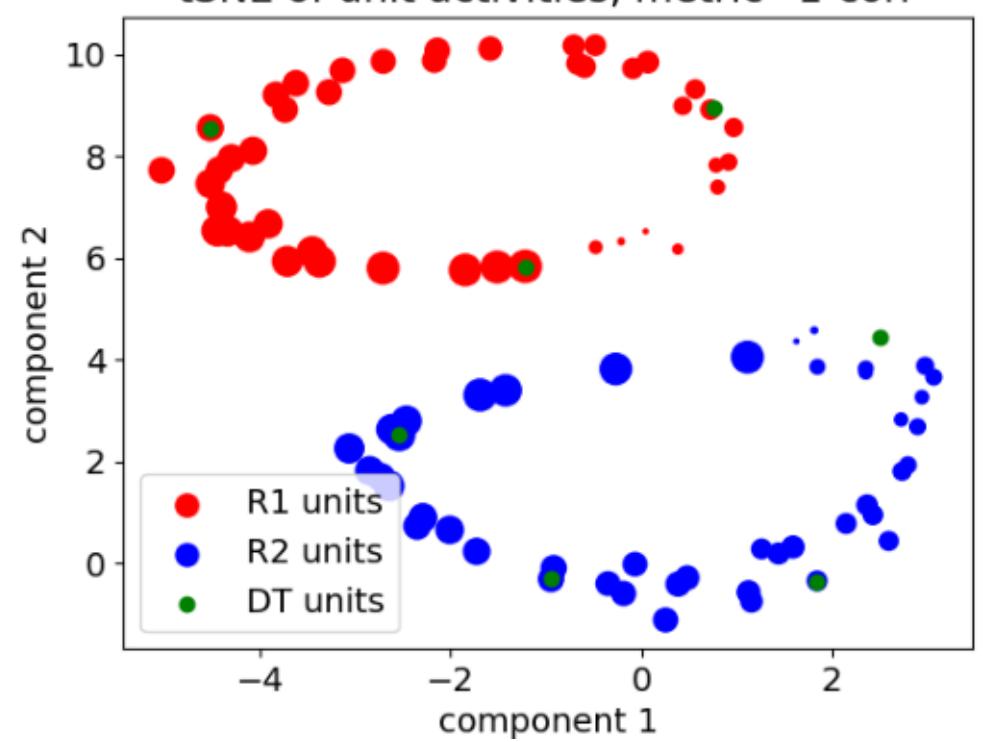
tSNE of unit activities, metric=1-corr



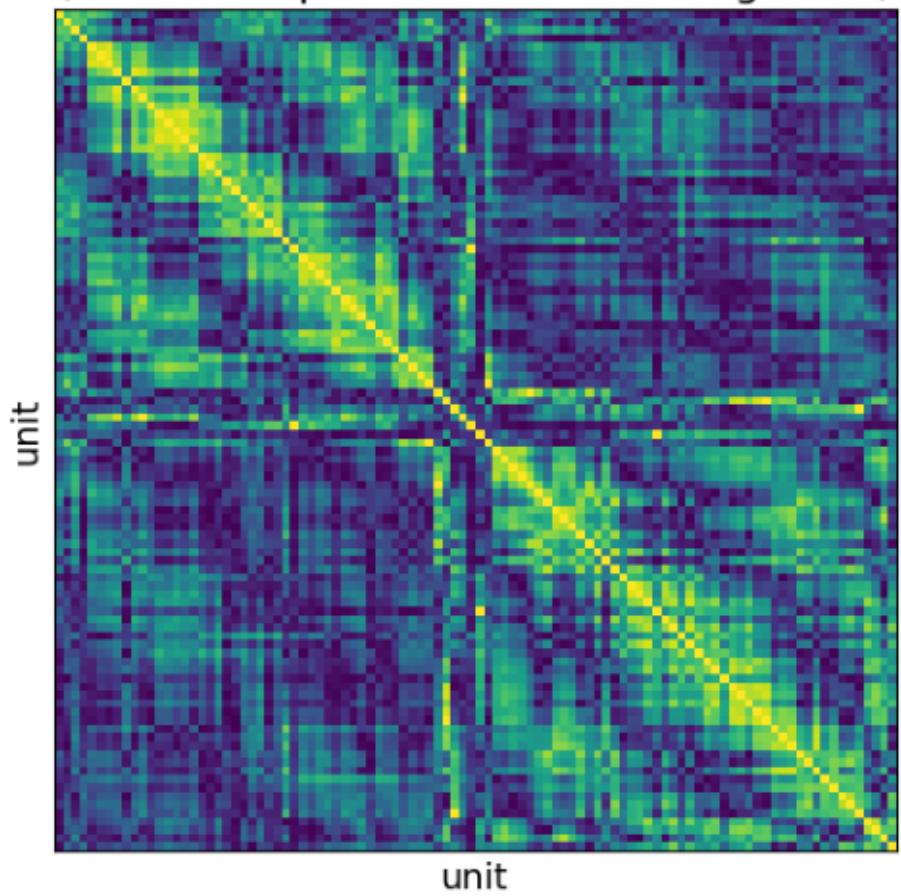
correlation of unit activities  
(before O2 presented to end of task)



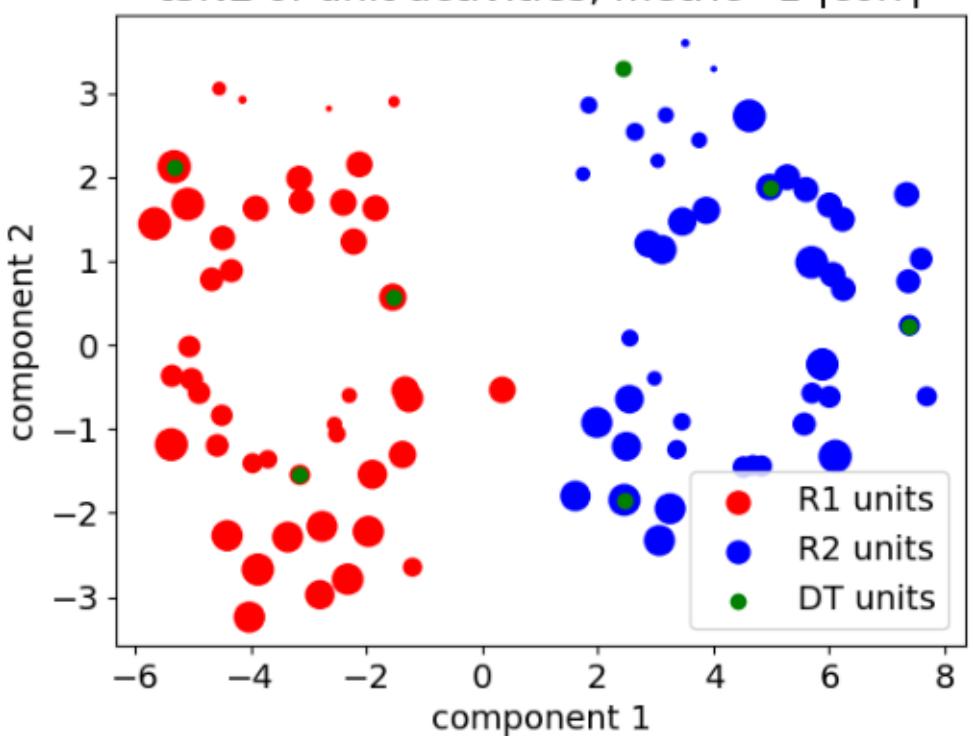
tSNE of unit activities, metric=1-corr



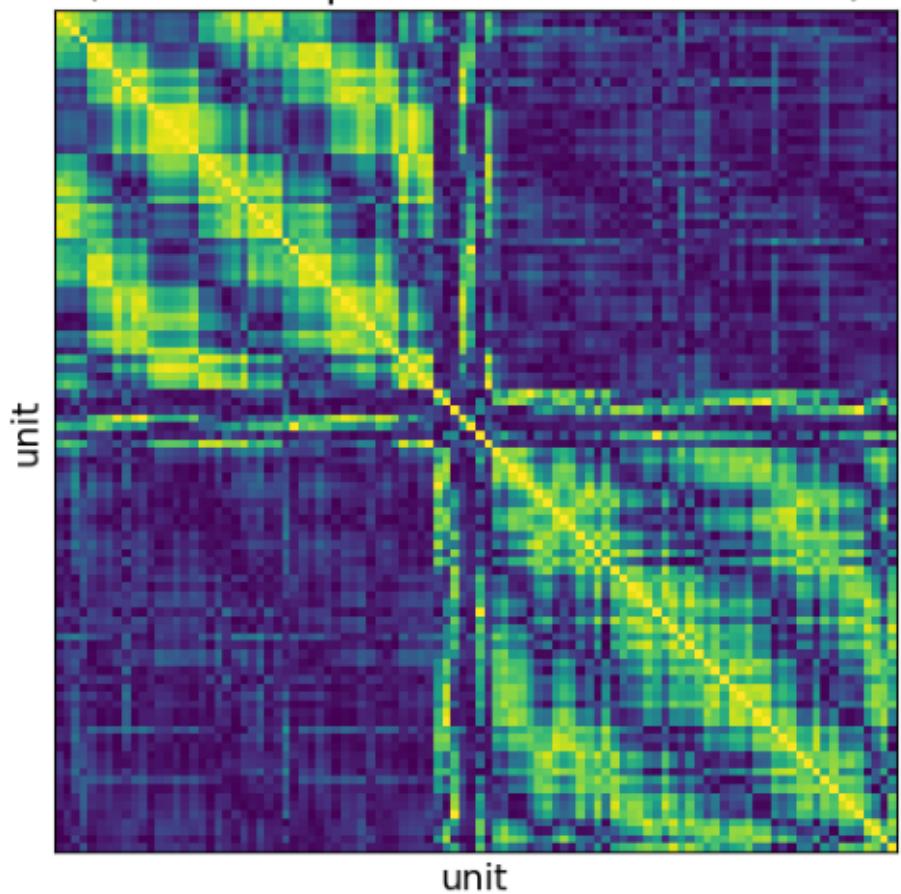
|correlation| of unit activities  
(before O1 presented to before go cue)



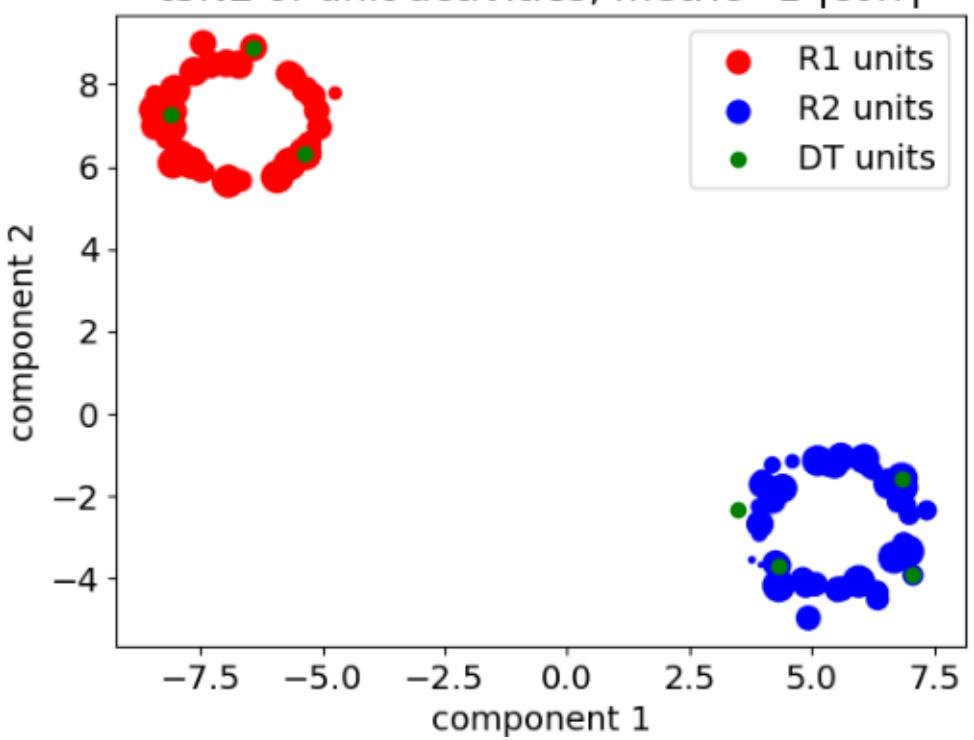
tSNE of unit activities, metric=1-|corr|



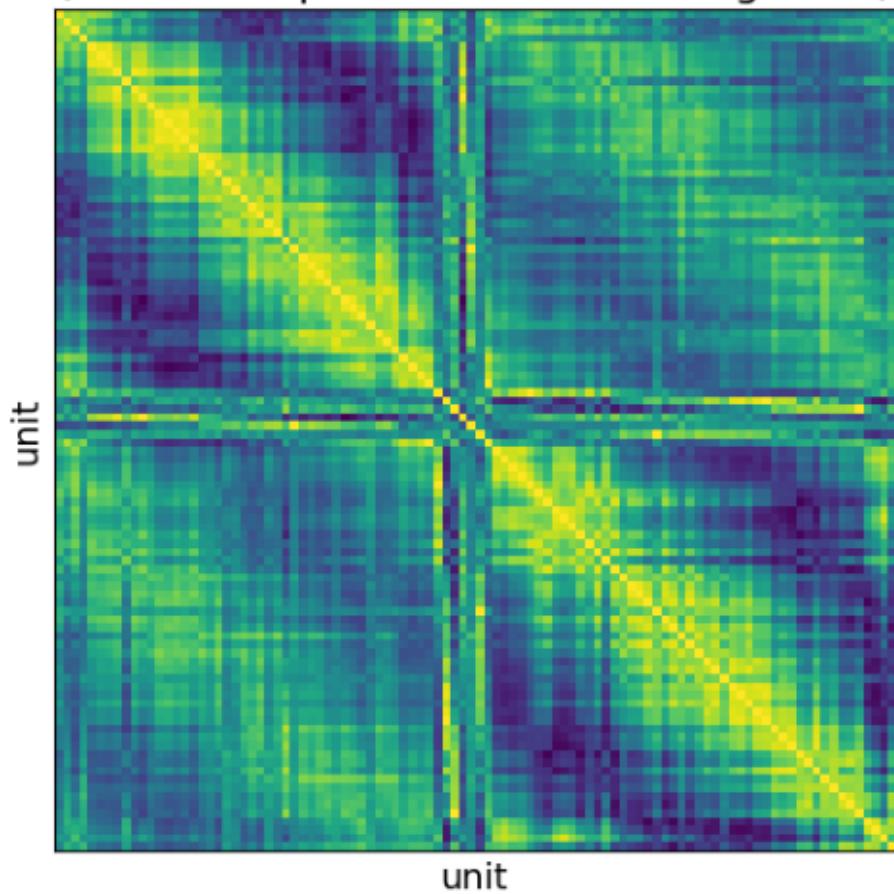
|correlation| of unit activities  
(before O2 presented to end of task)



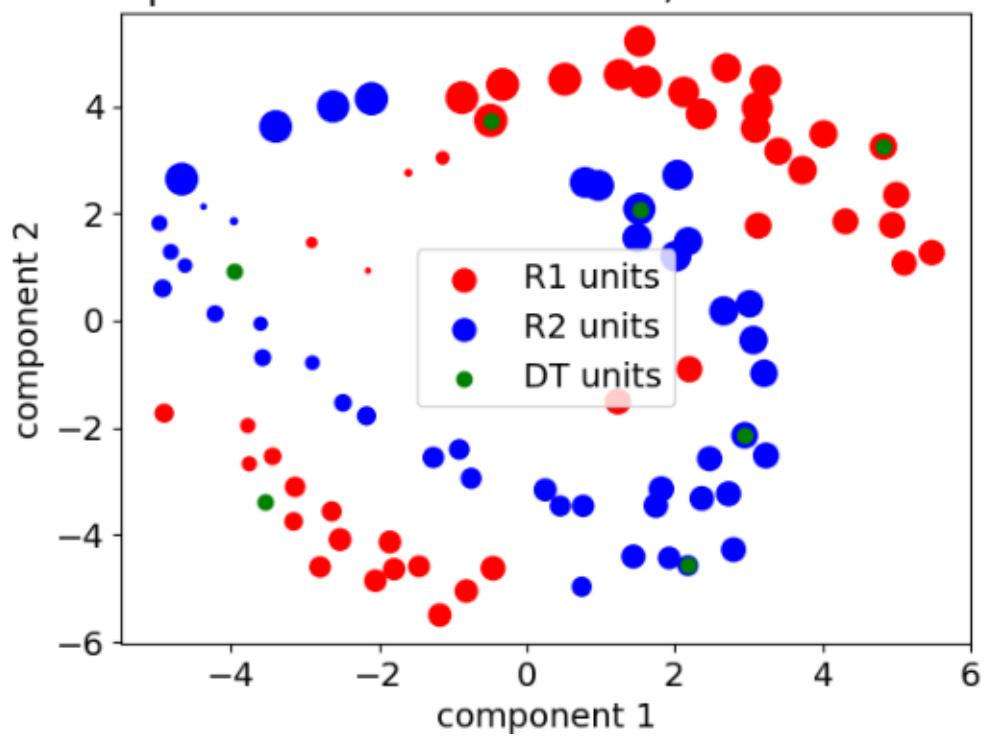
tSNE of unit activities, metric=1-|corr|



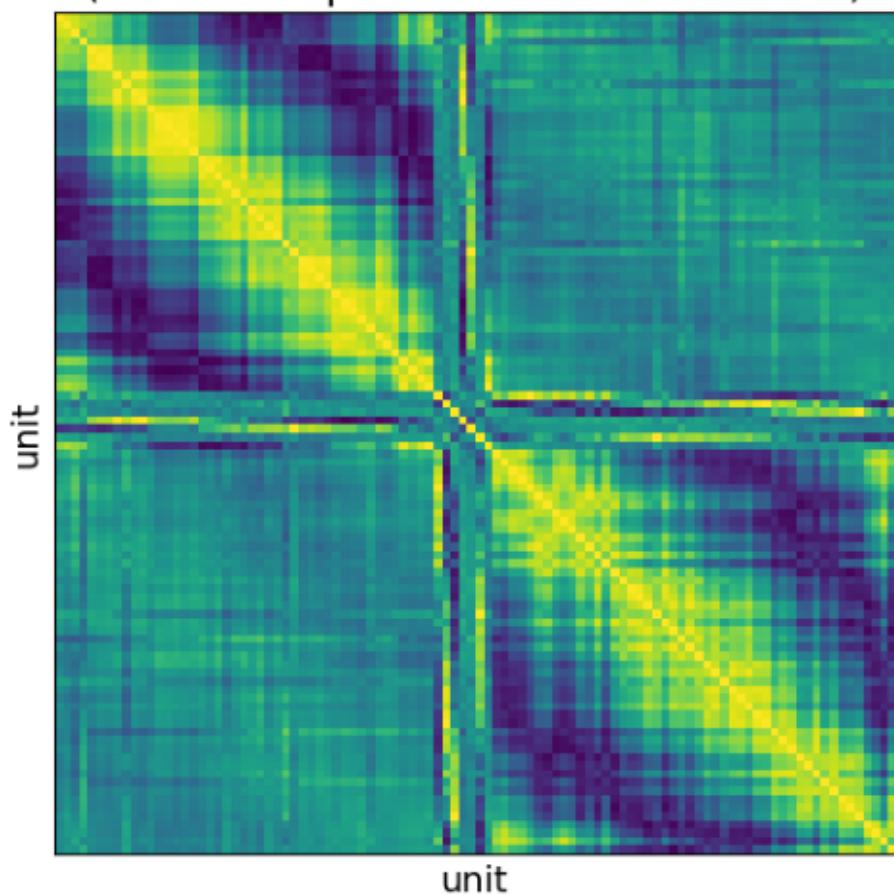
correlation of unit activities  
(before O1 presented to before go cue)



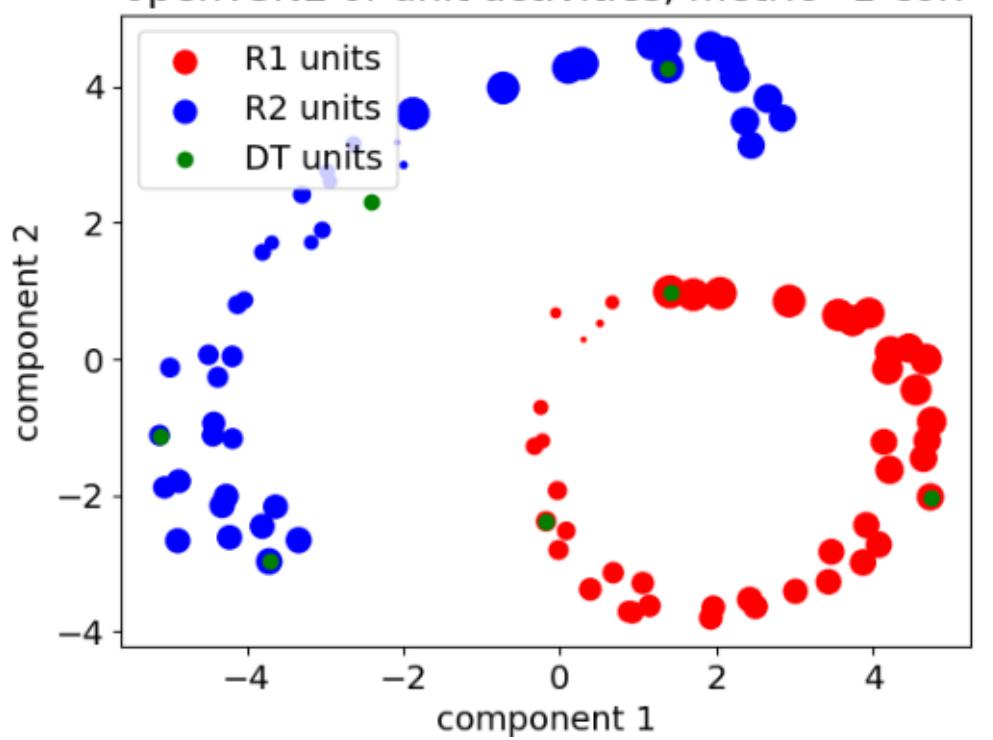
openTSNE of unit activities, metric=1-corr



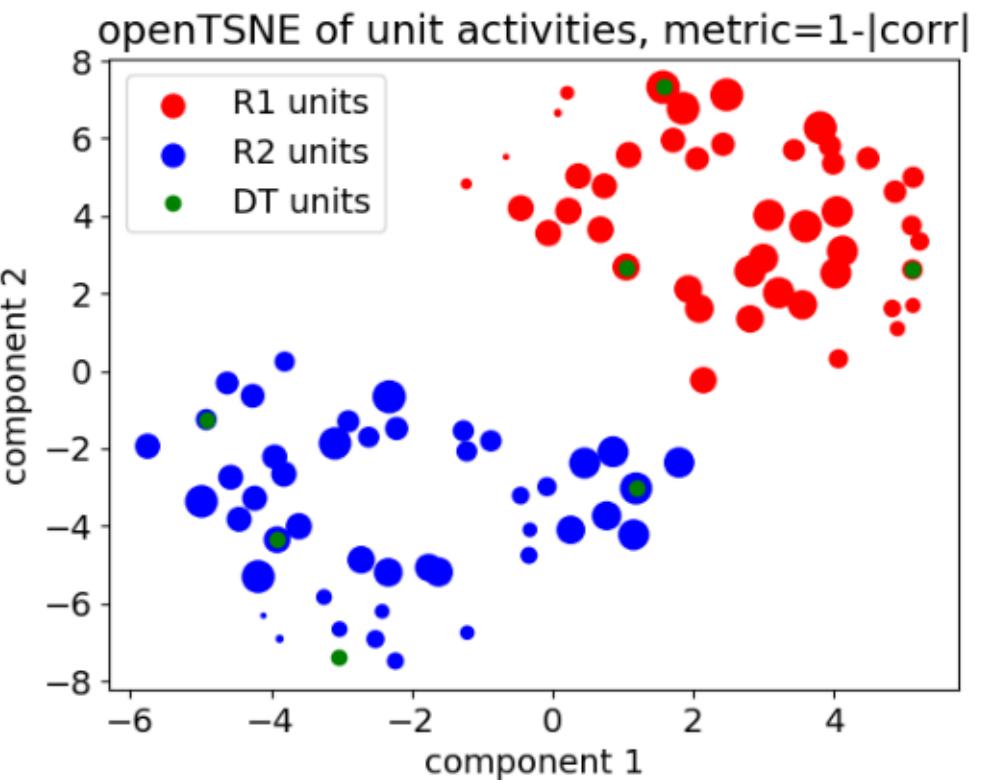
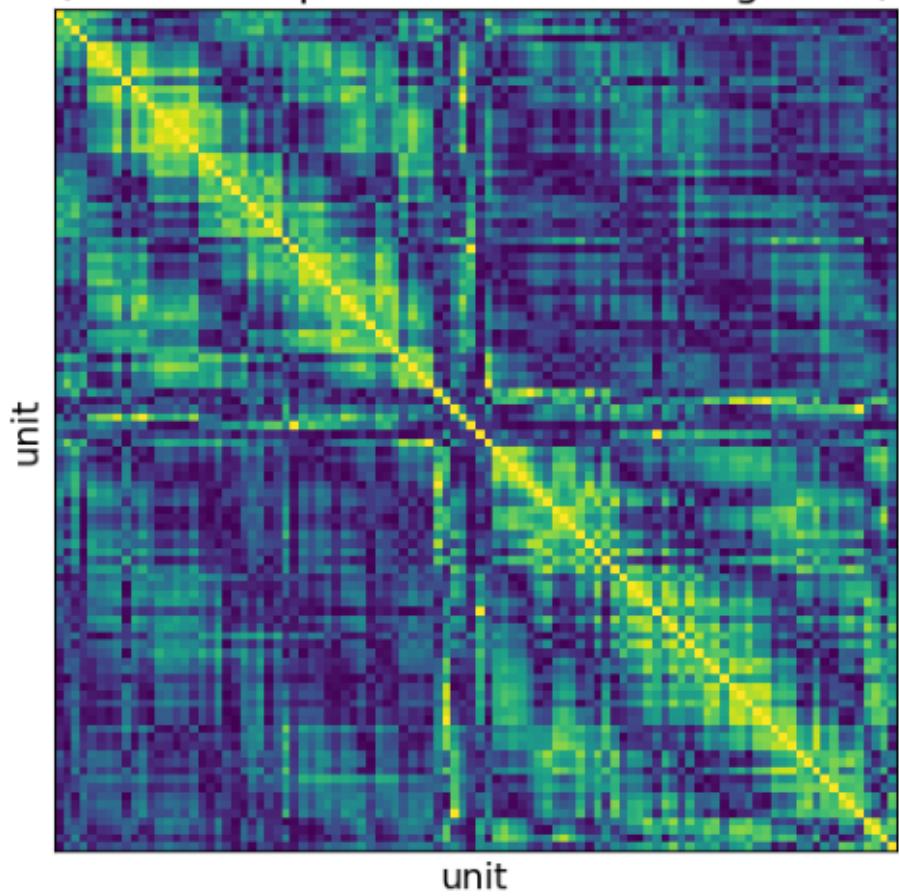
correlation of unit activities  
(before O2 presented to end of task)



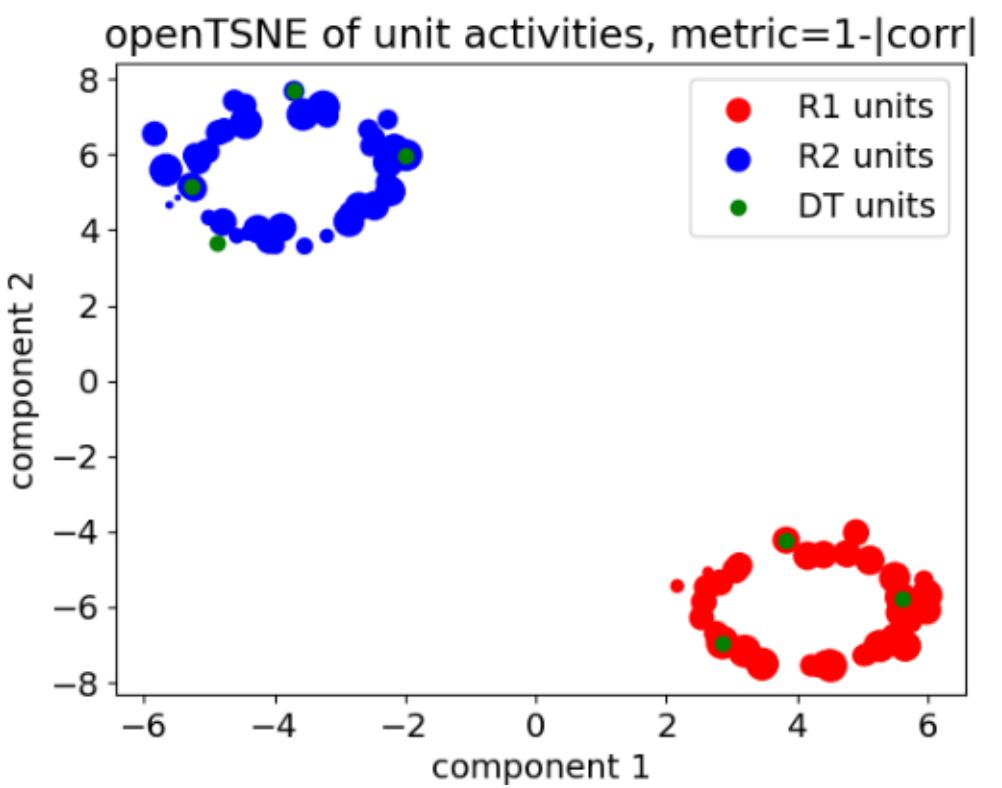
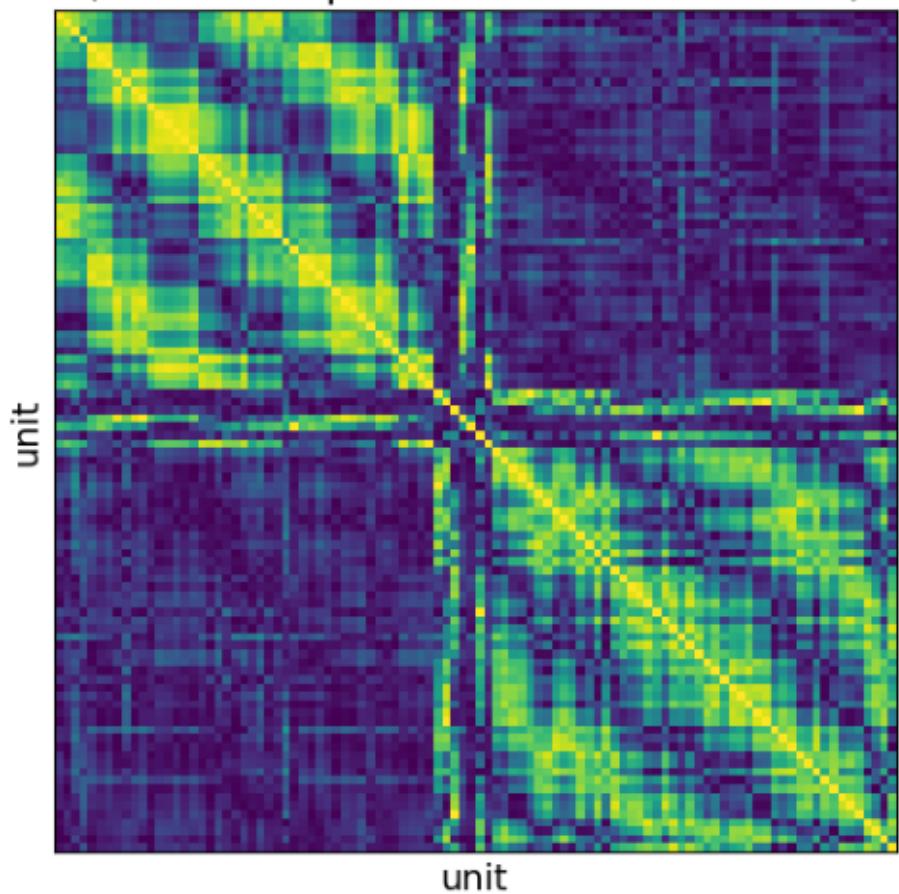
openTSNE of unit activities, metric=1-corr



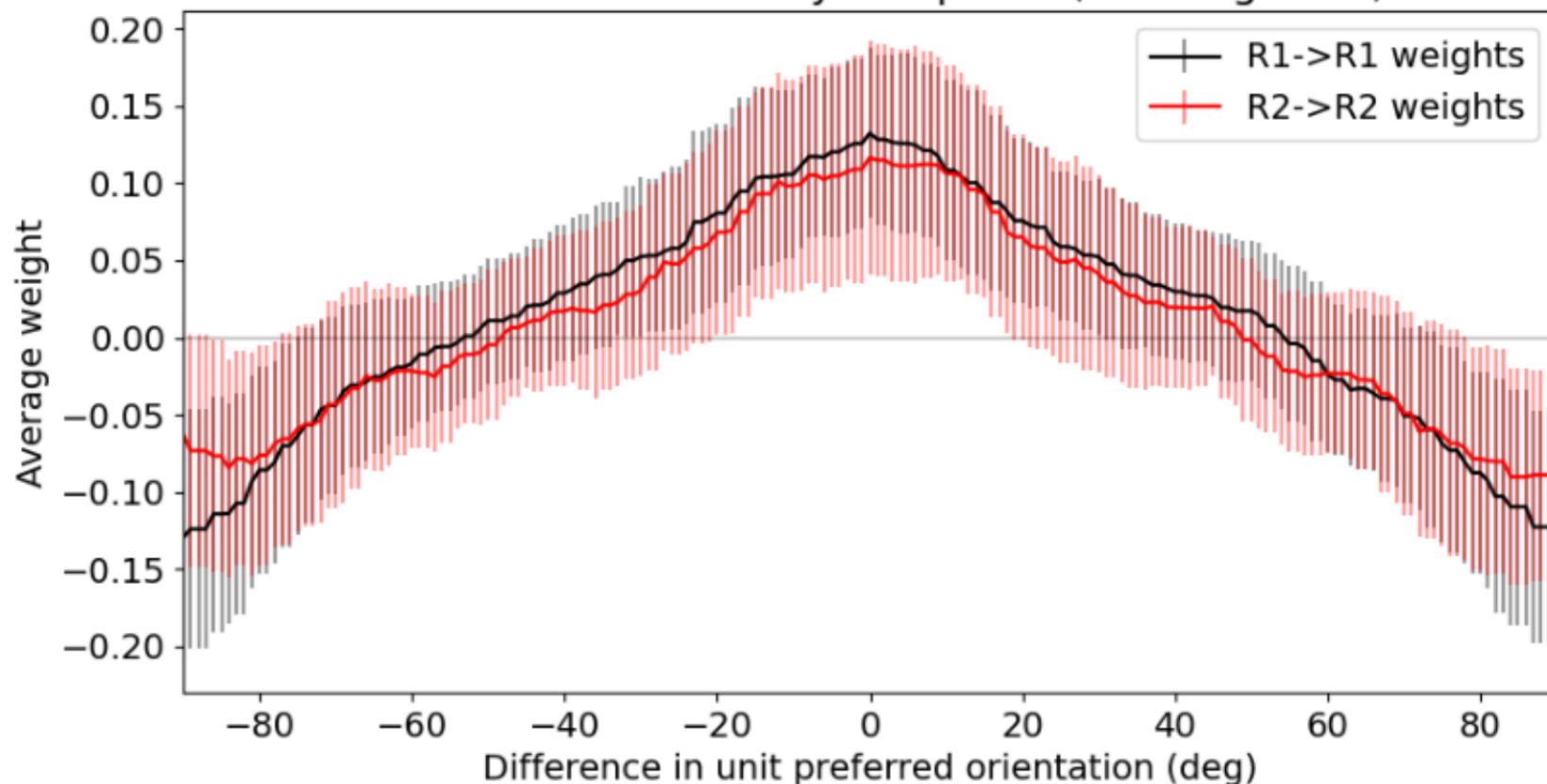
|correlation| of unit activities  
(before O1 presented to before go cue)

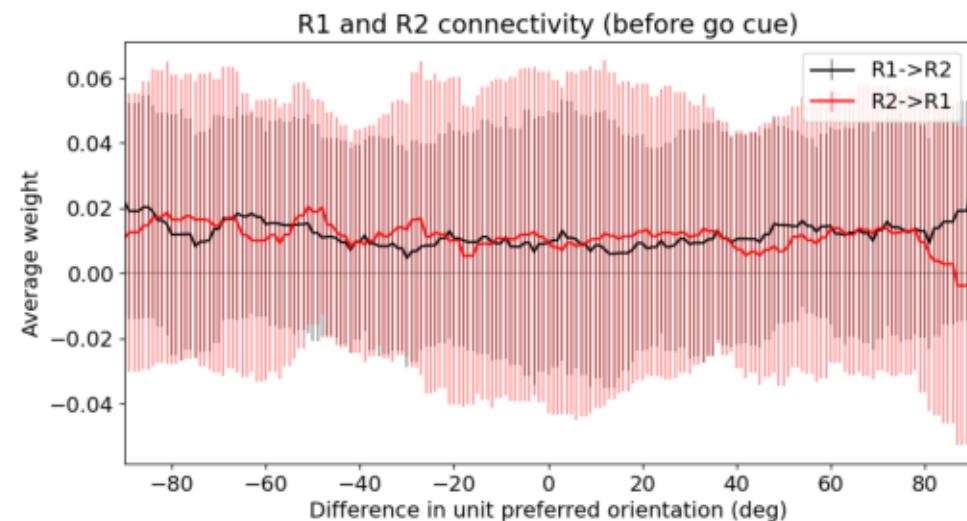
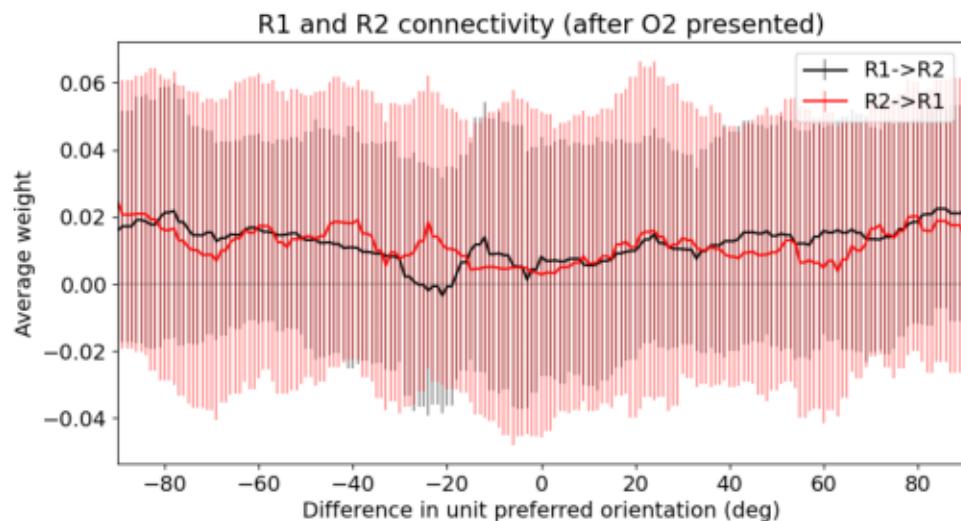
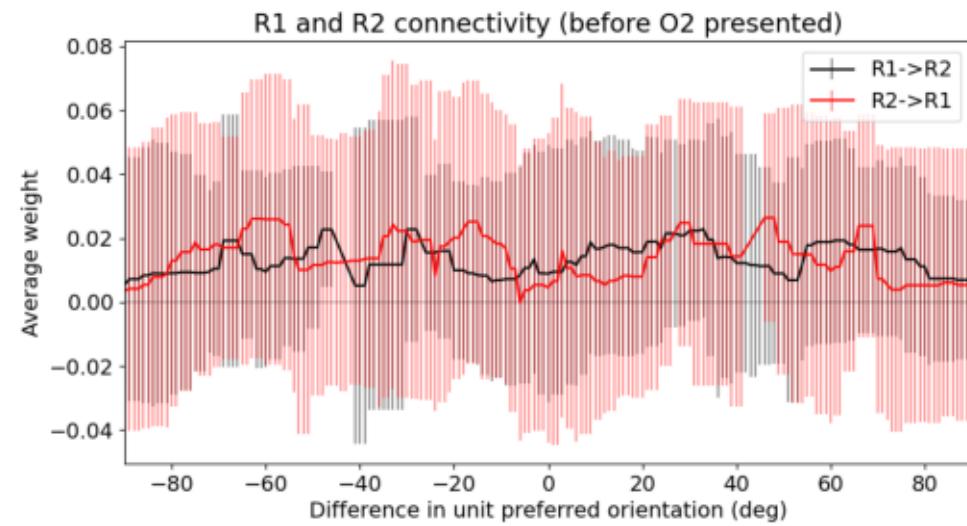
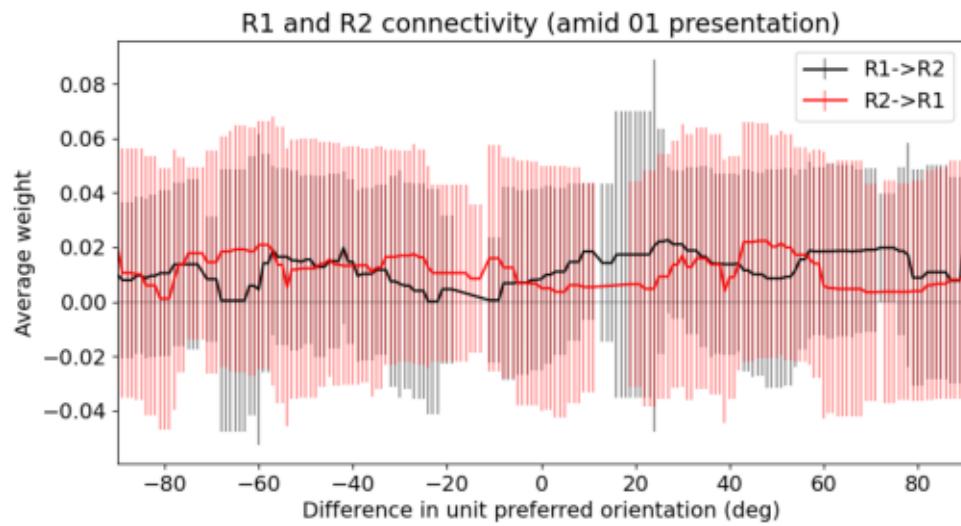


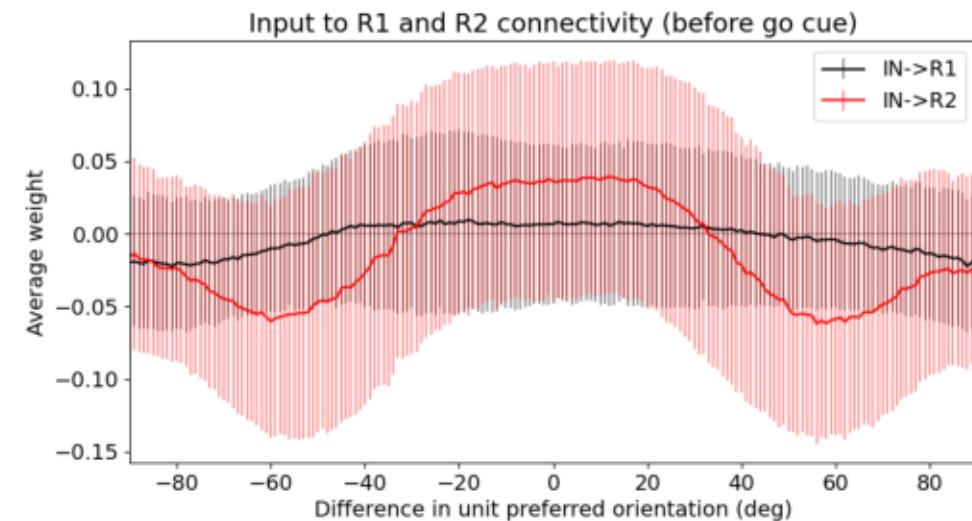
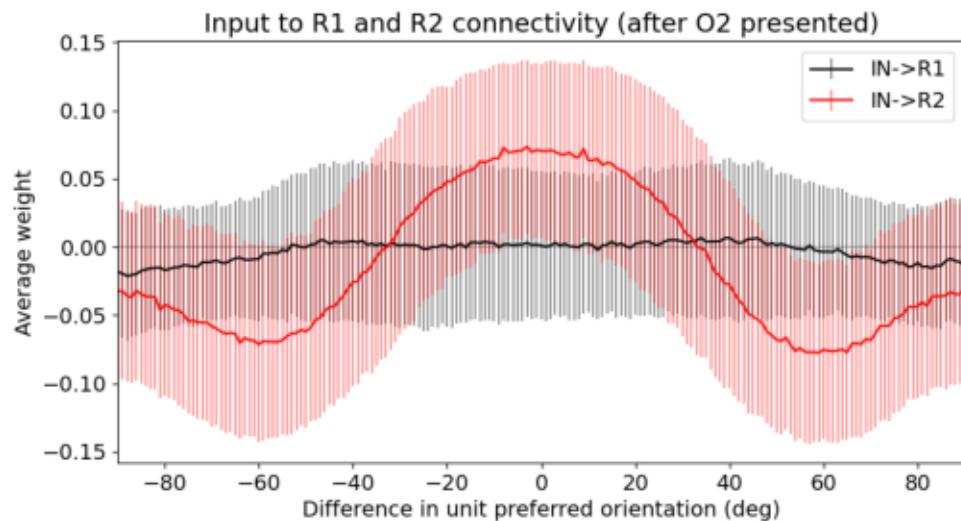
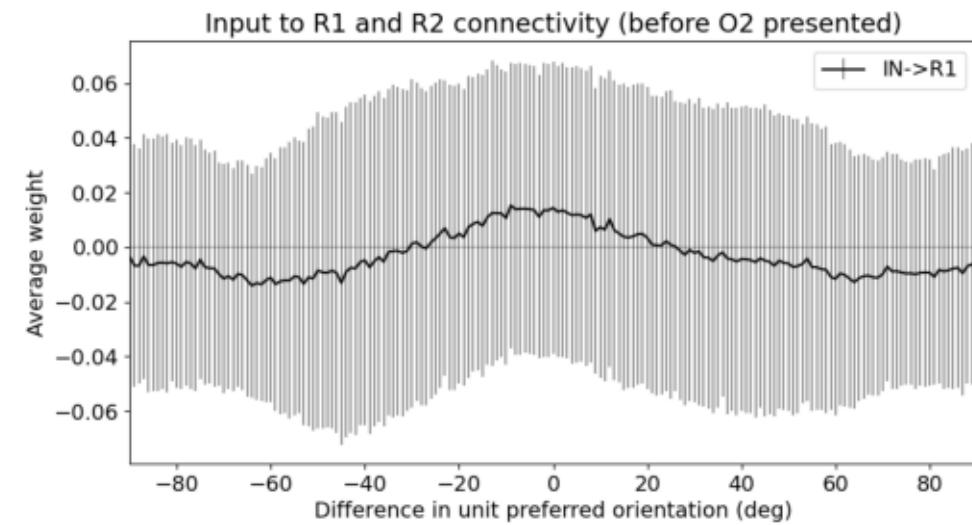
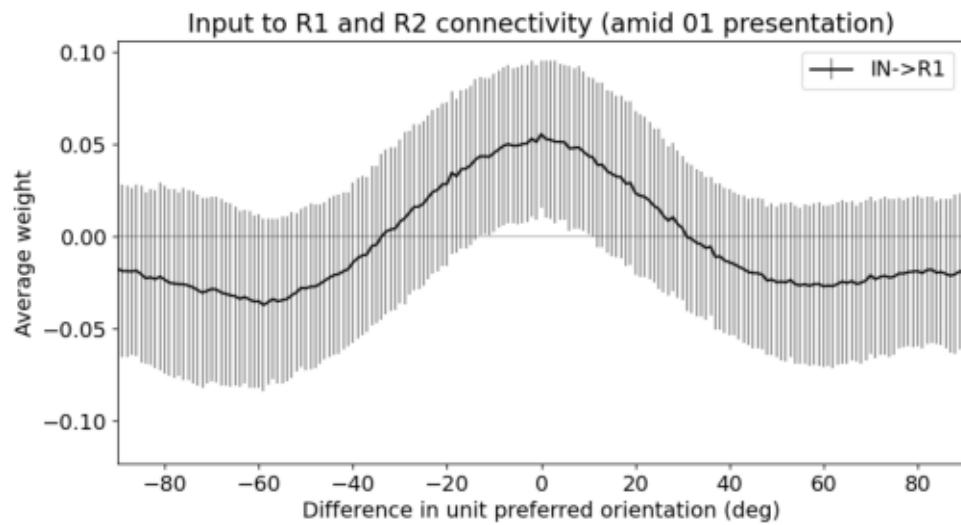
|correlation| of unit activities  
(before O2 presented to end of task)

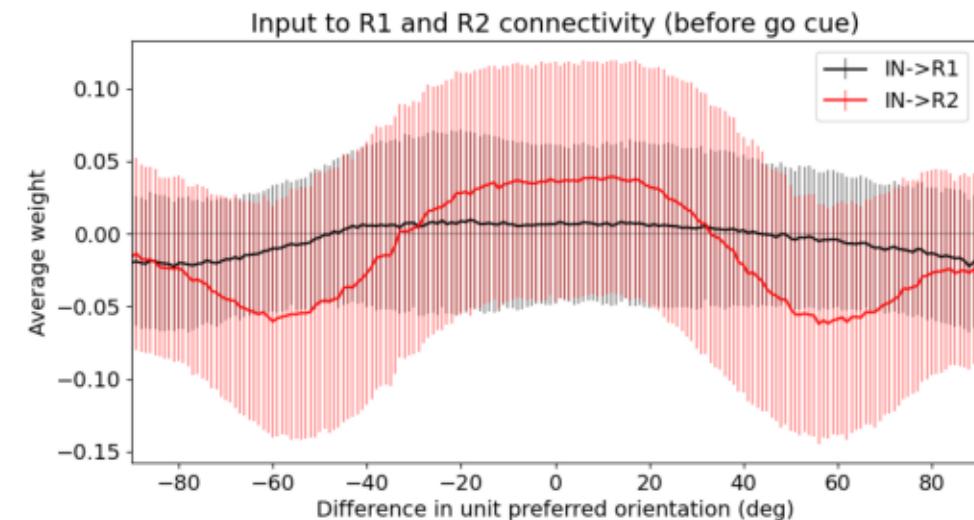
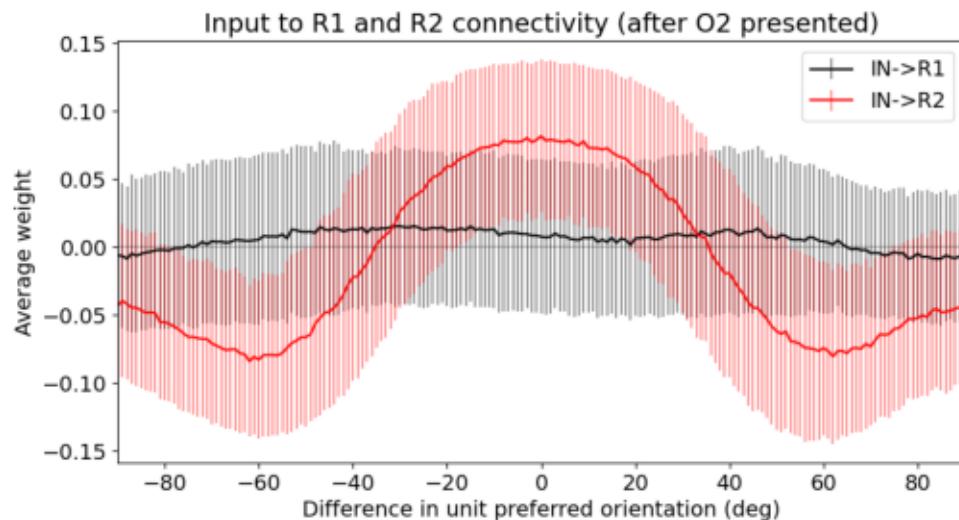
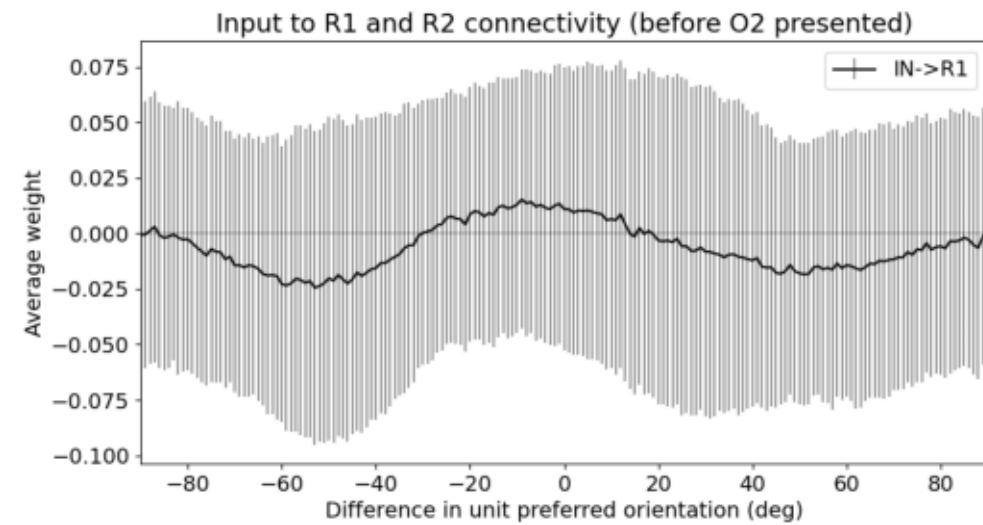
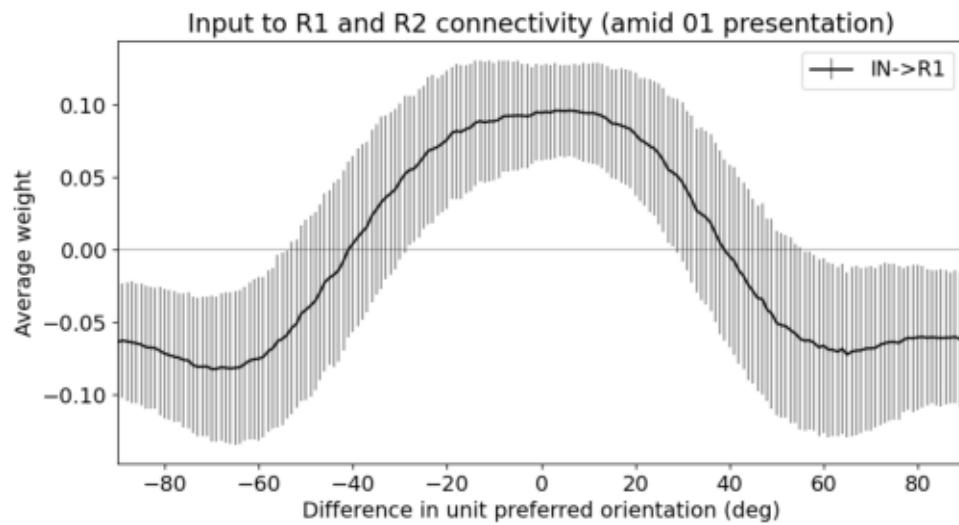


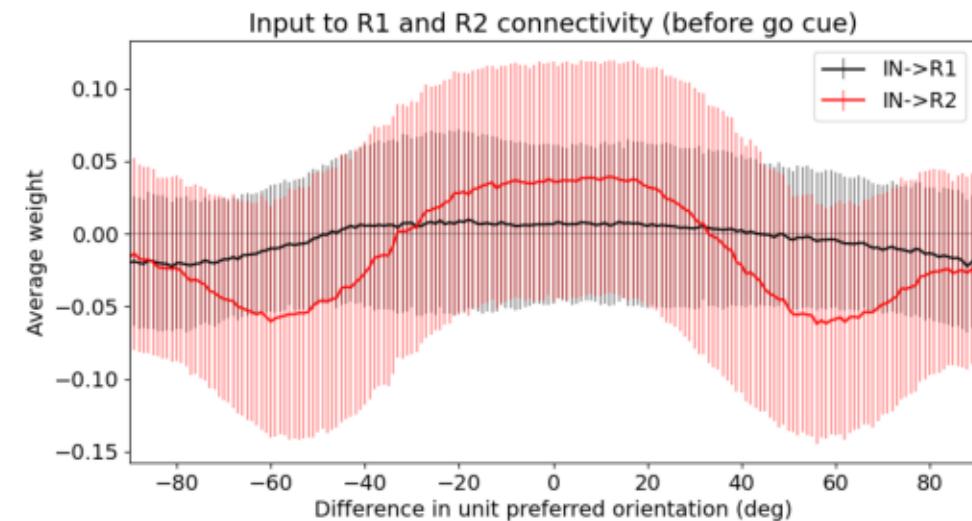
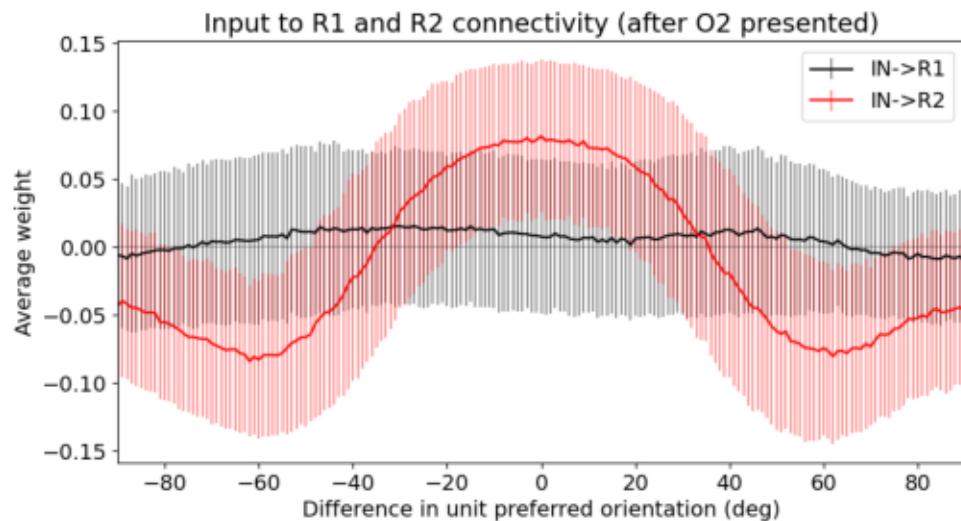
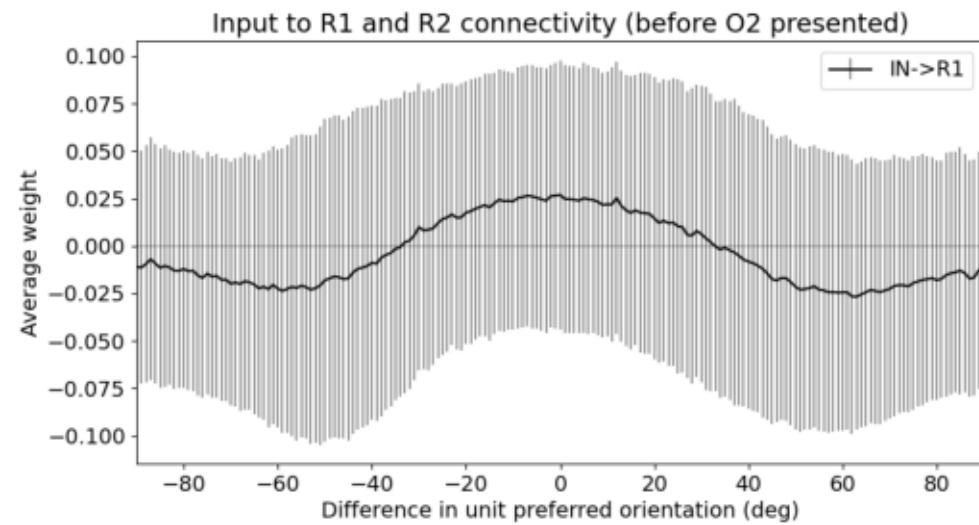
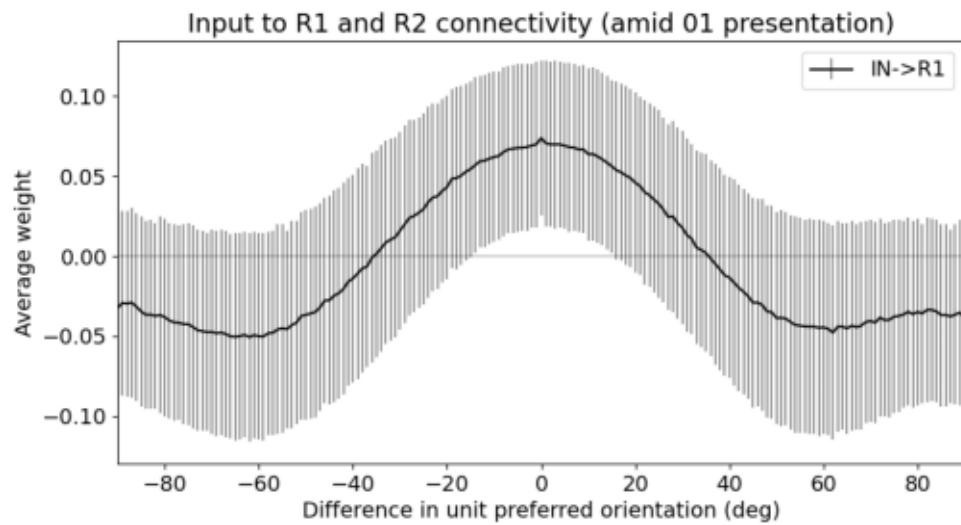
### R1 and R2 connectivity compared (before go cue)



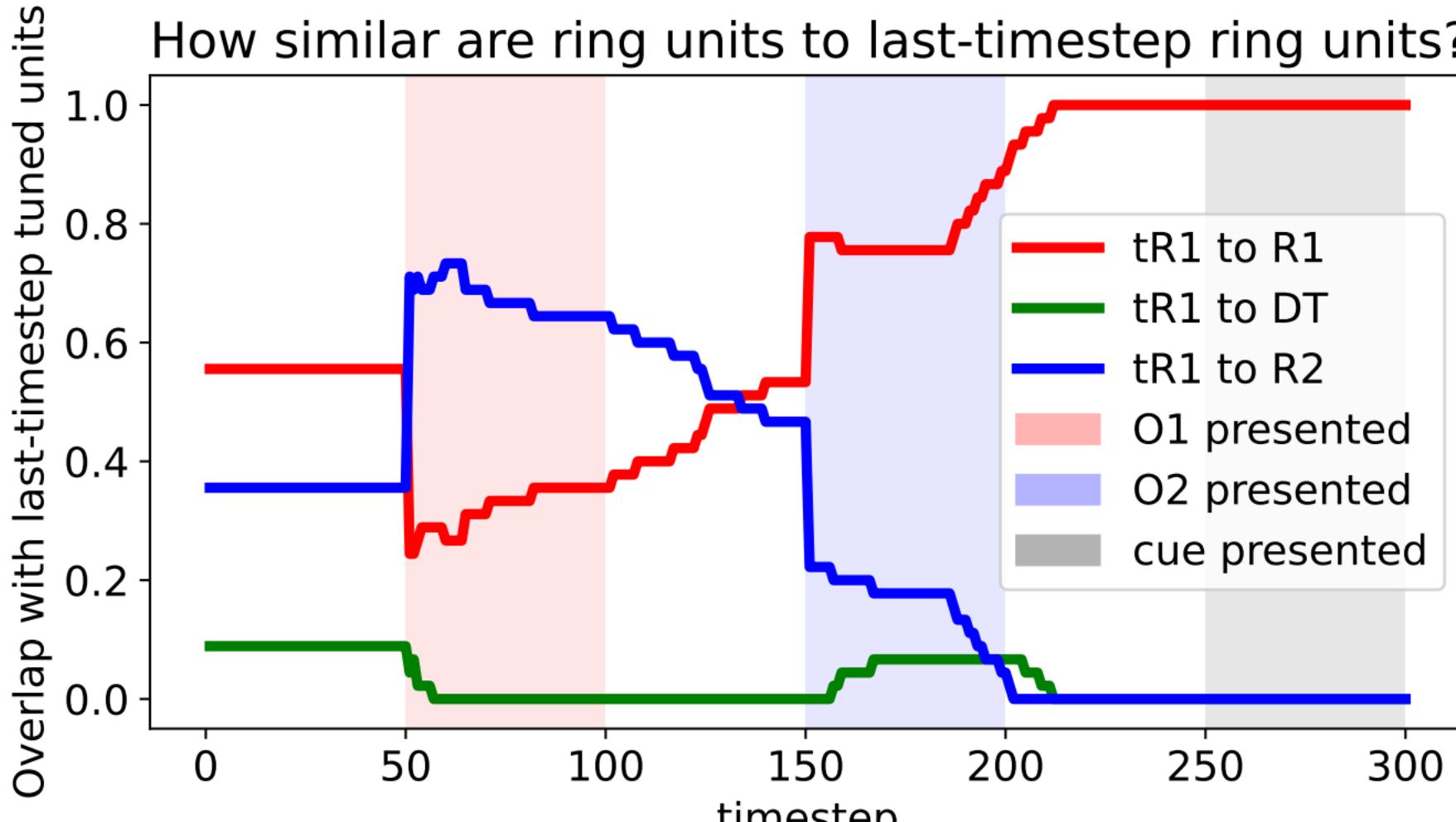




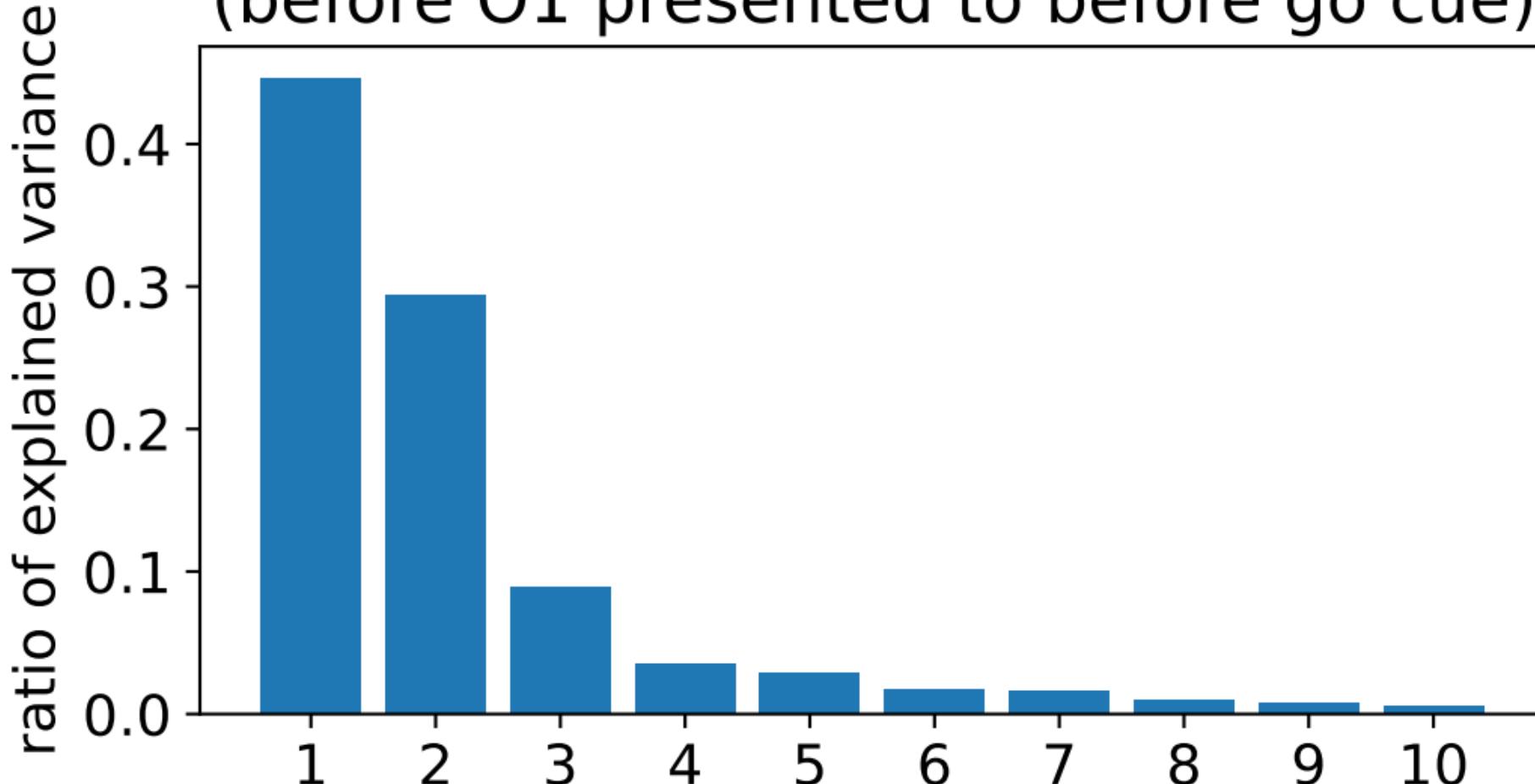




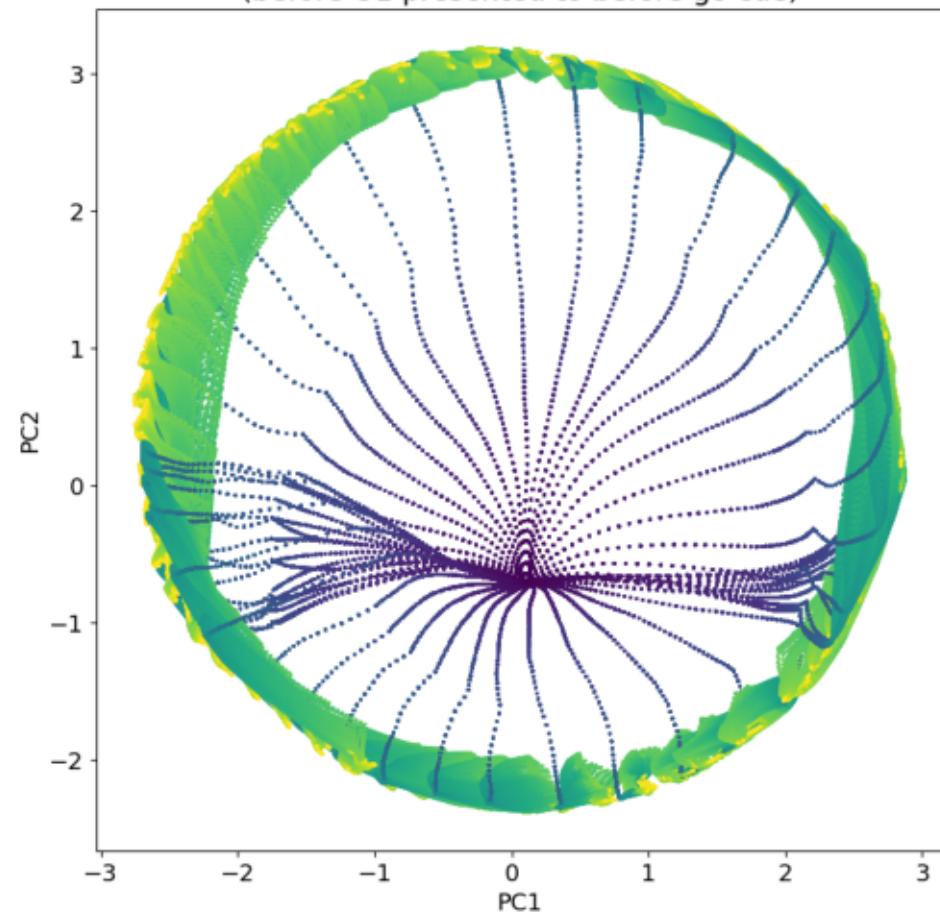
How similar are ring units to last-timestep ring units?



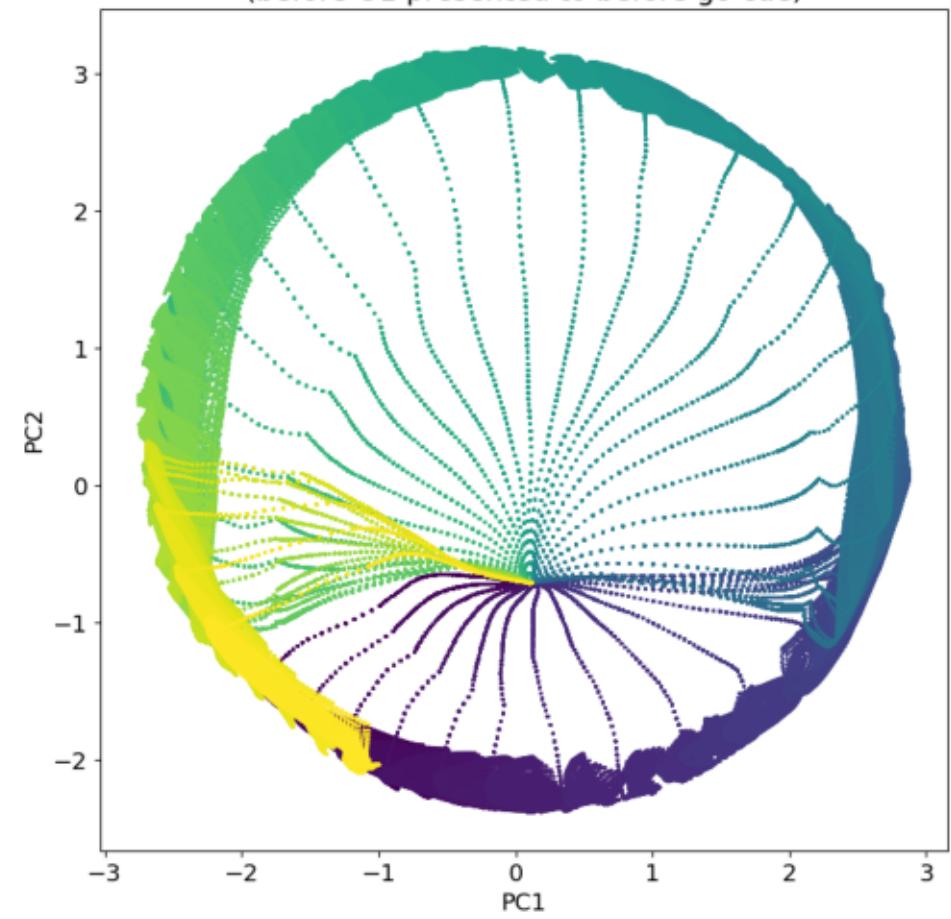
# Explained variance in PLE activity by PFC (before O1 presented to before go cue)



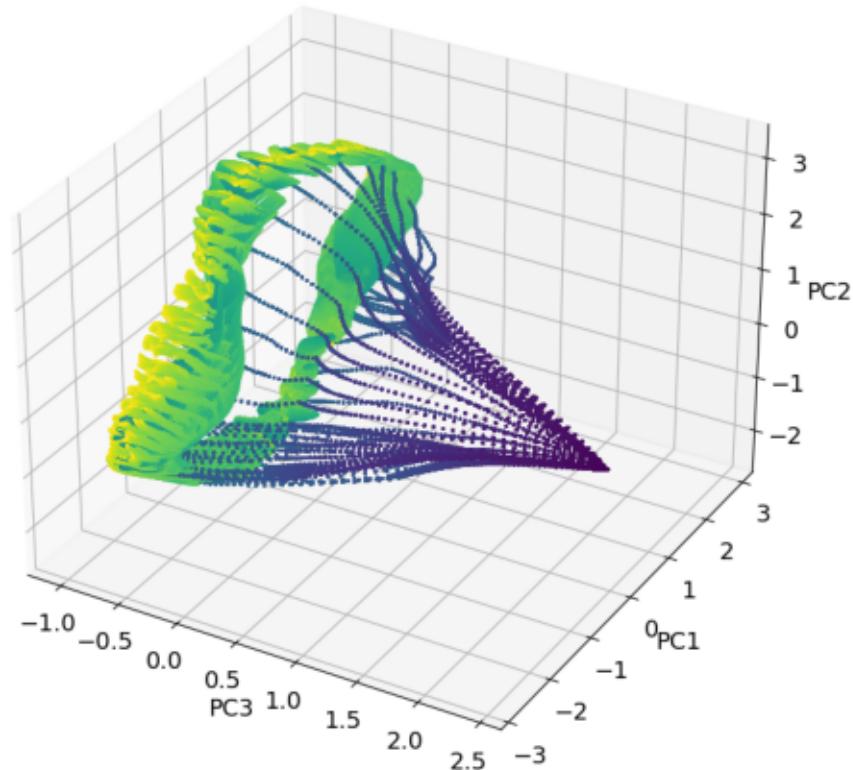
PCA on R1 activity, colored by timestep  
(before O1 presented to before go cue)



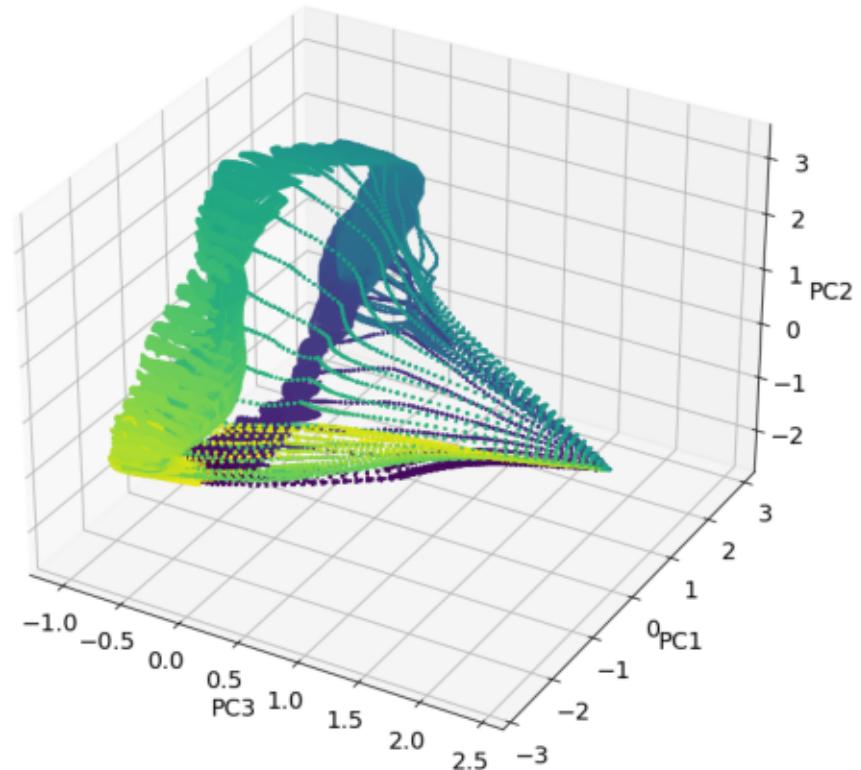
PCA on R1 activity, colored by orientation1  
(before O1 presented to before go cue)



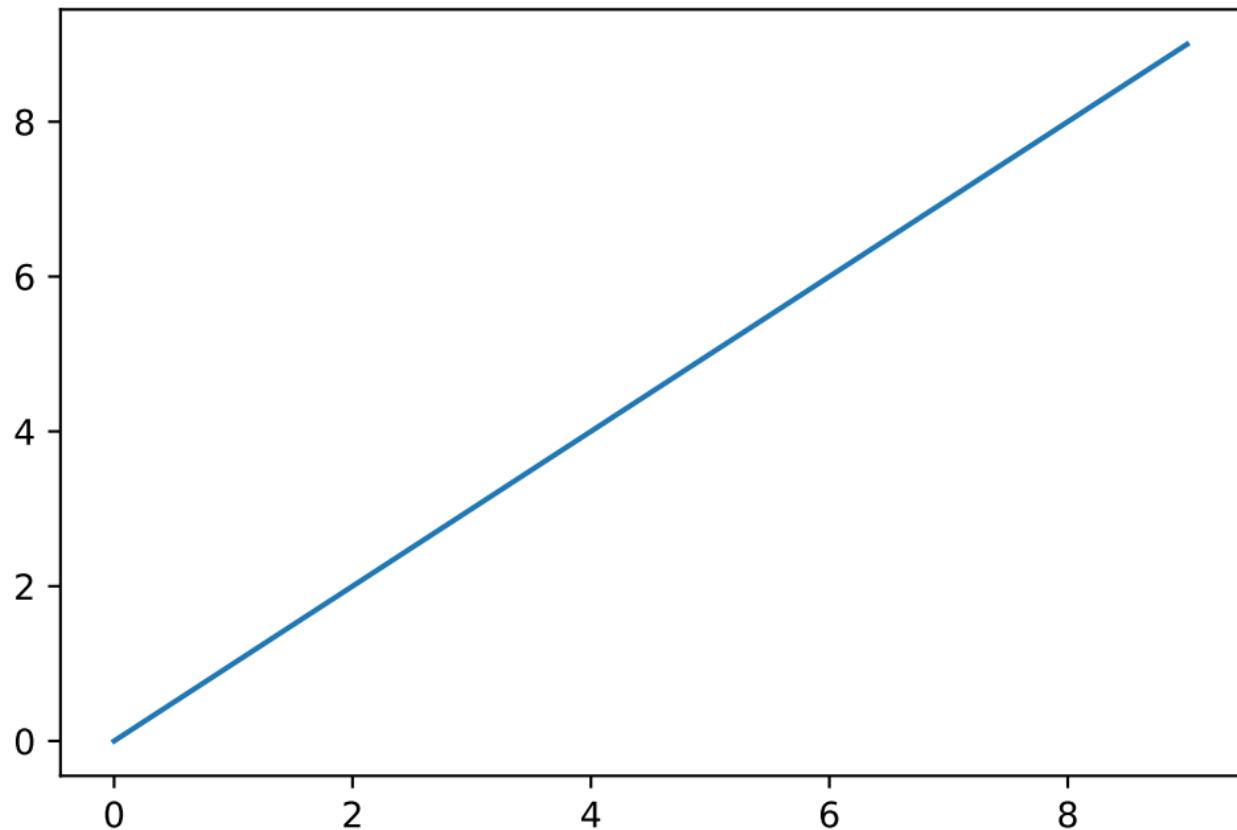
PCA on R1 activity, colored by timestep  
(before O1 presented to before go cue)



PCA on R1 activity, colored by orientation1  
(before O1 presented to before go cue)

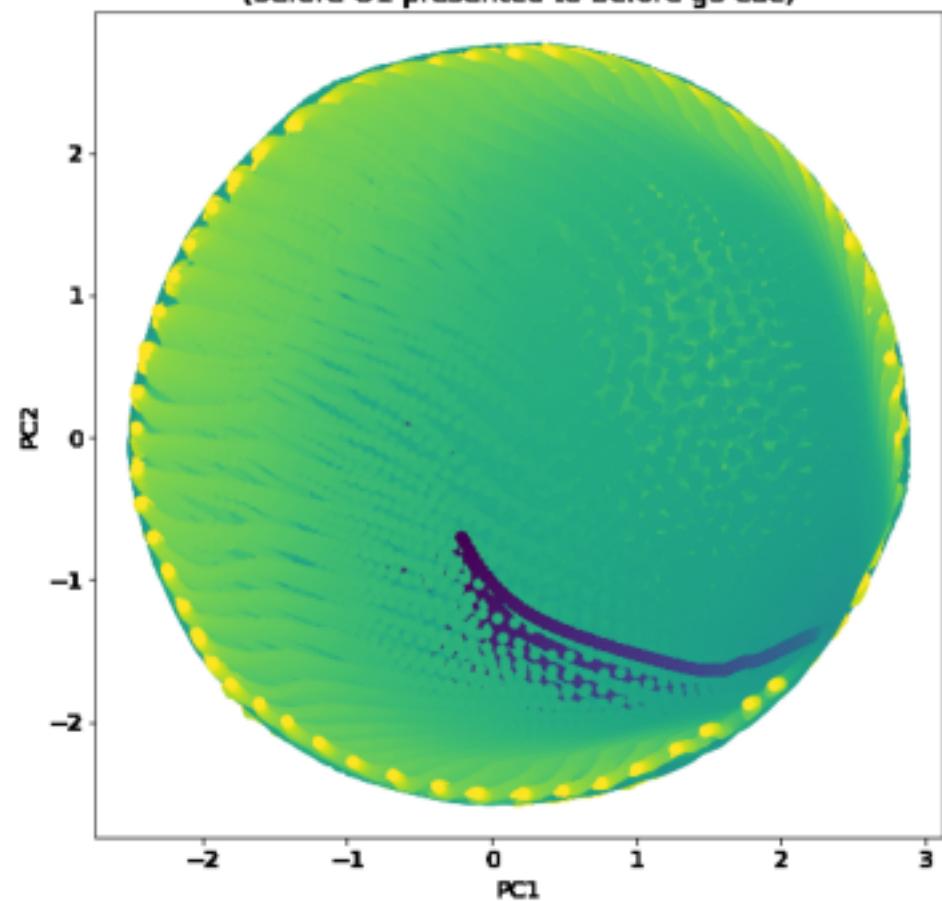


a  
b  
c

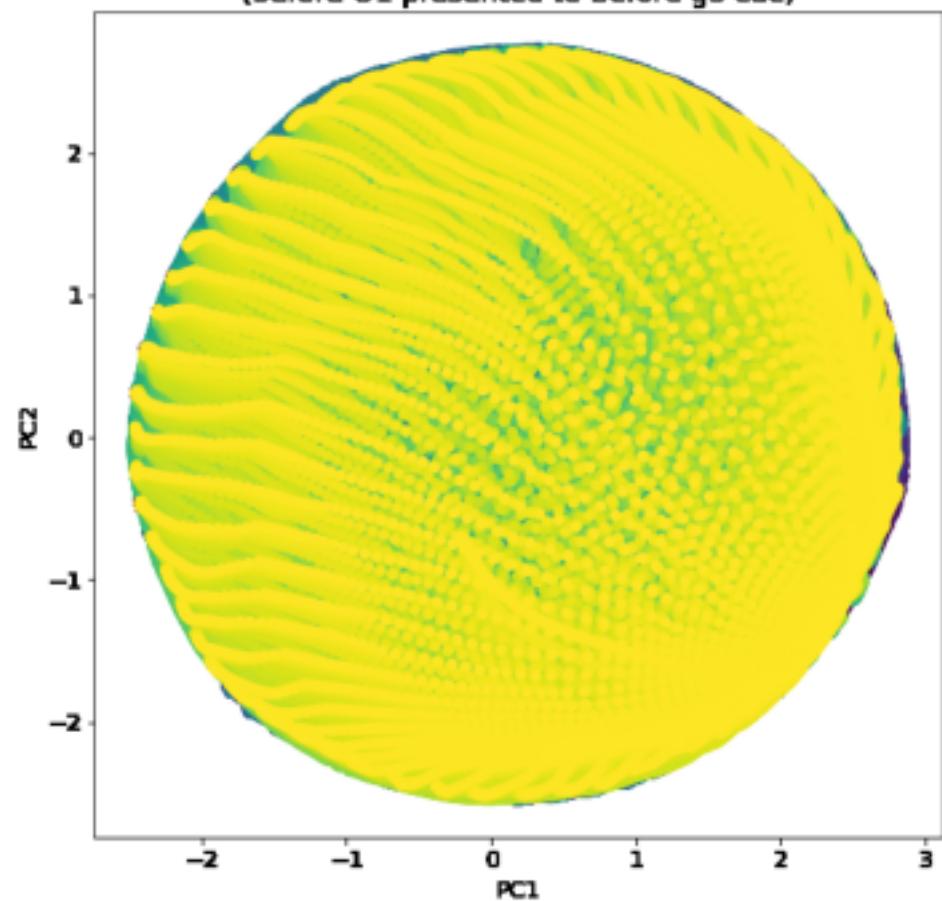




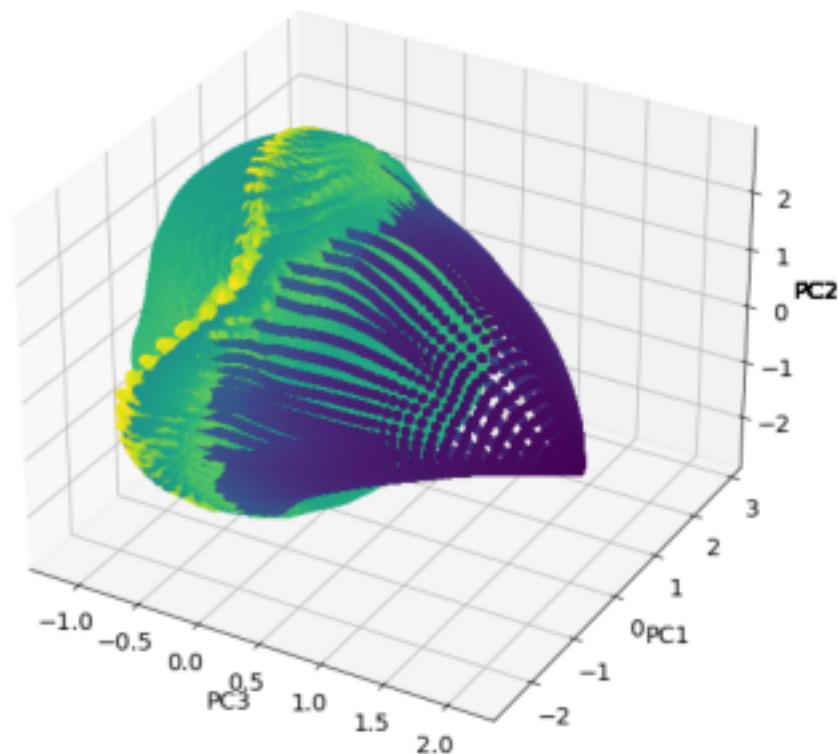
PCA on R2 activity, colored by timestep  
(before O1 presented to before go cue)



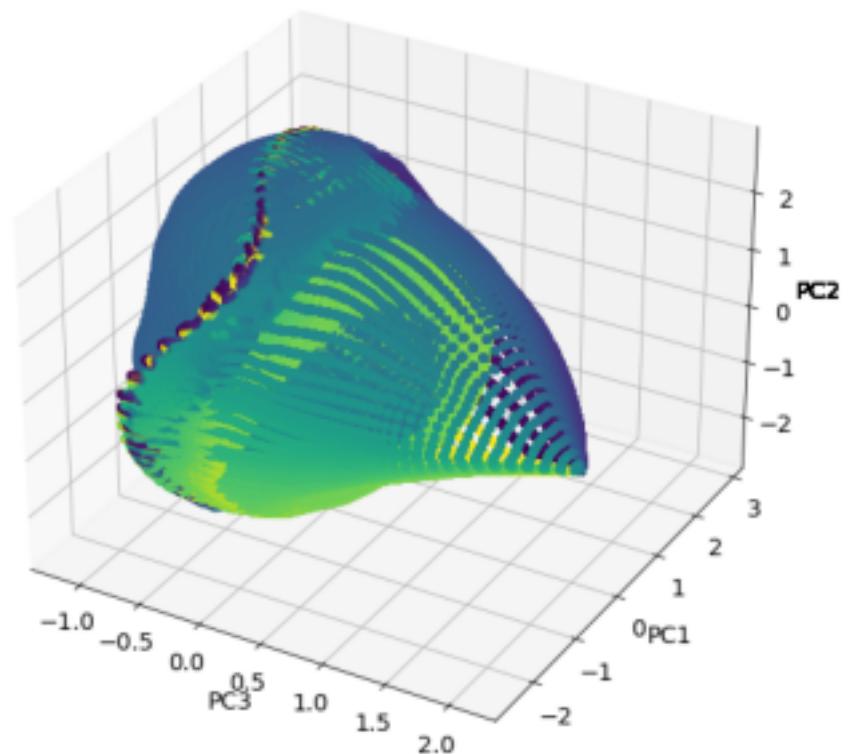
PCA on R2 activity, colored by orientation2  
(before O1 presented to before go cue)

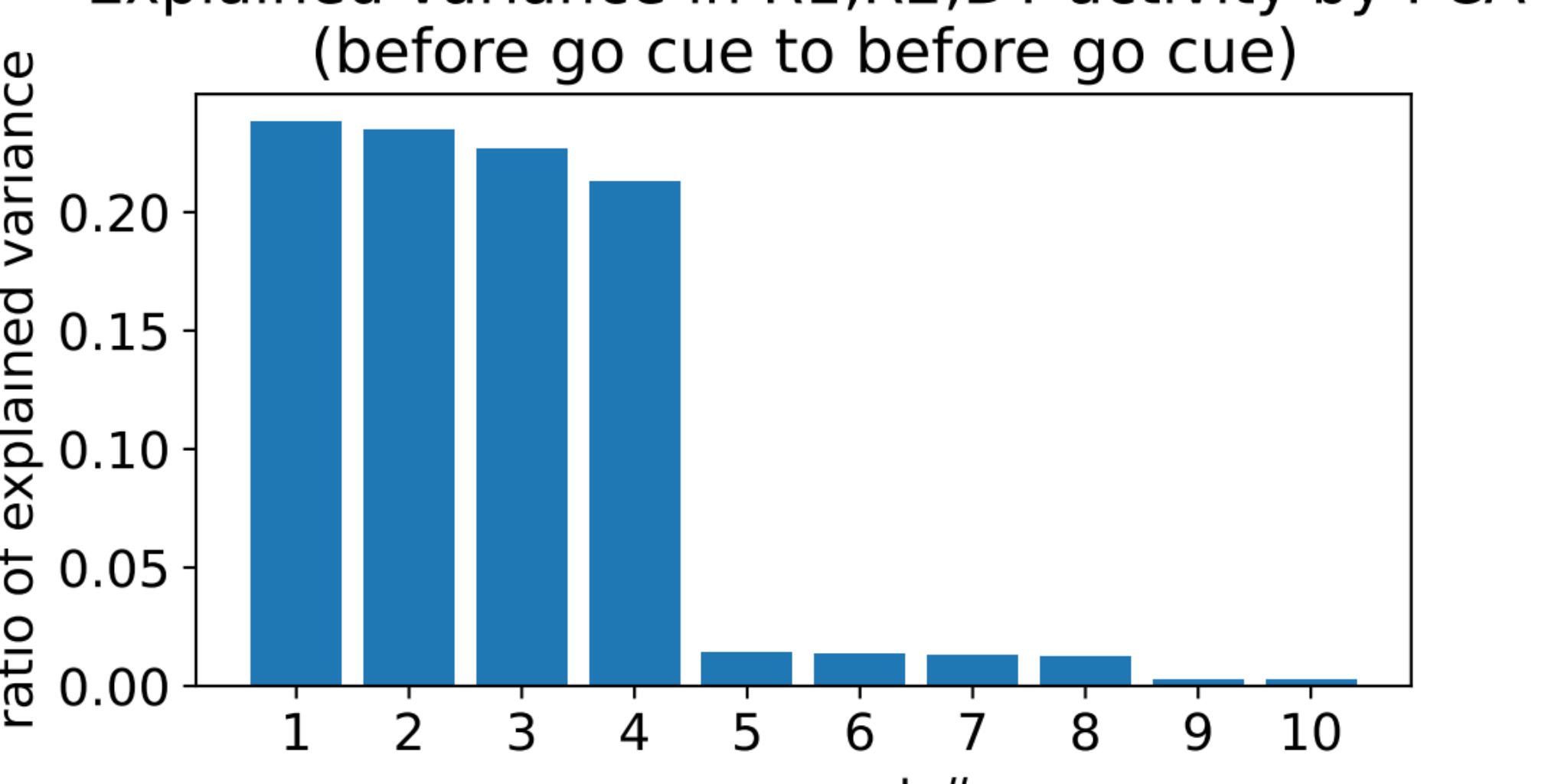


PCA on R2 activity, colored by timestep  
(before O1 presented to before go cue)

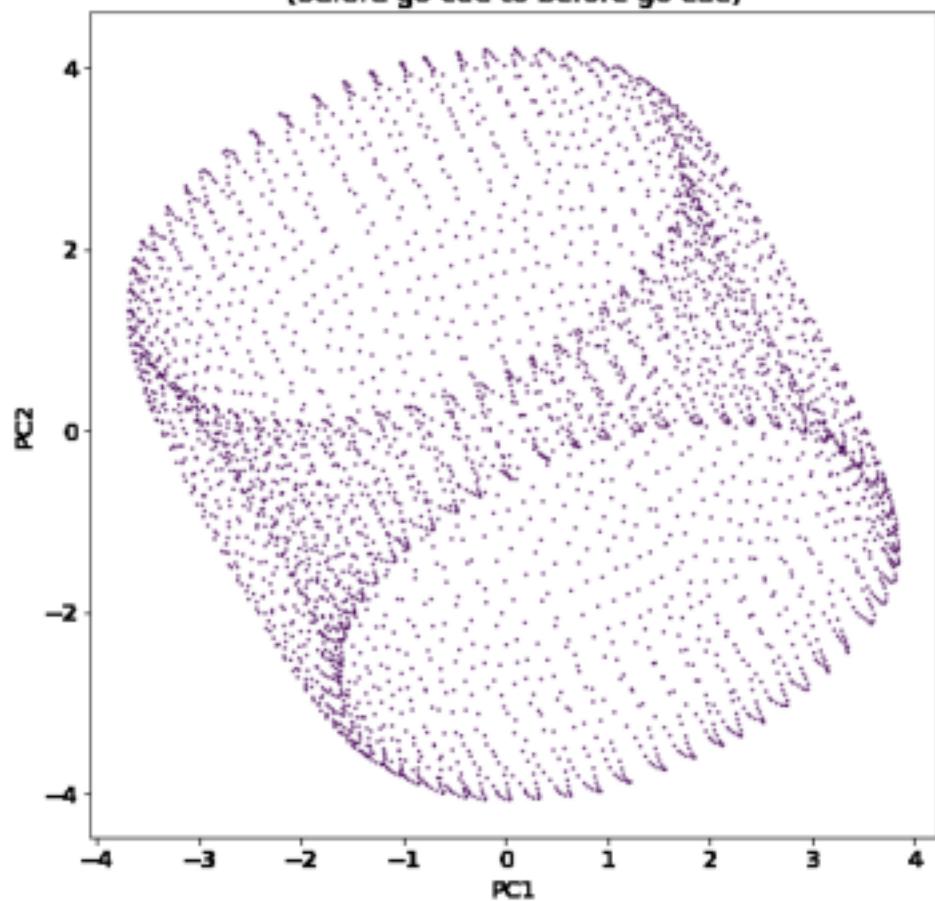


PCA on R2 activity, colored by orientation2  
(before O1 presented to before go cue)

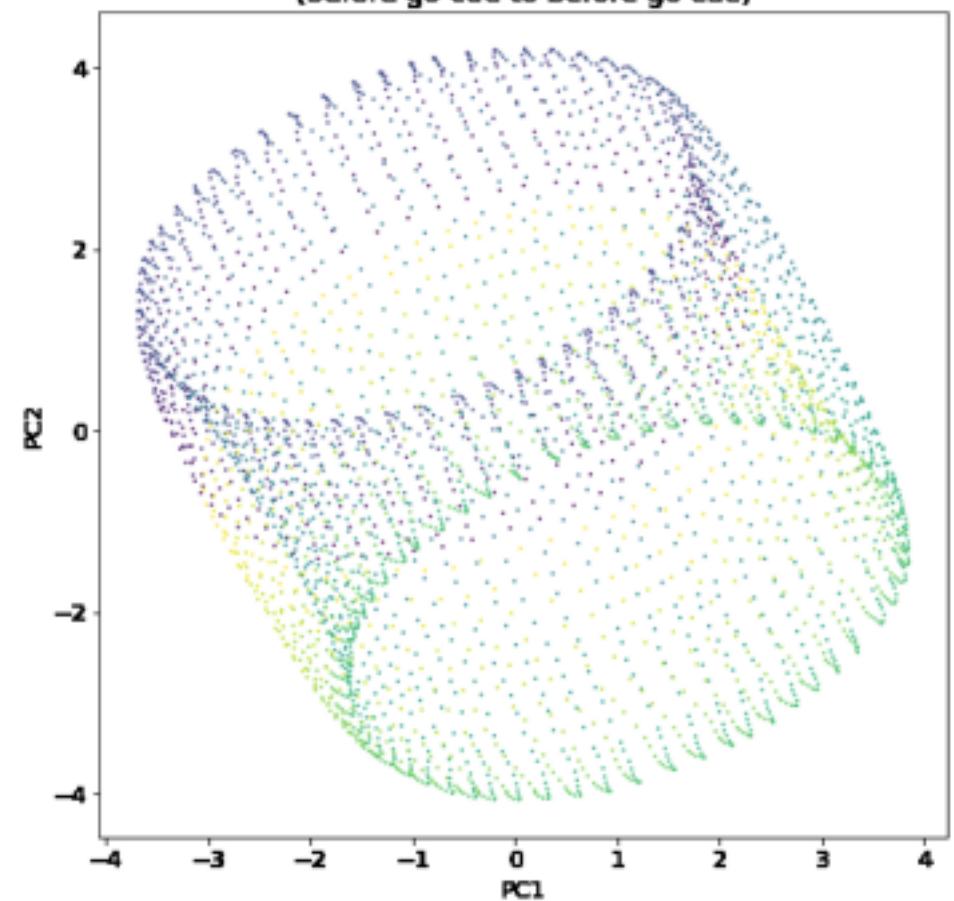




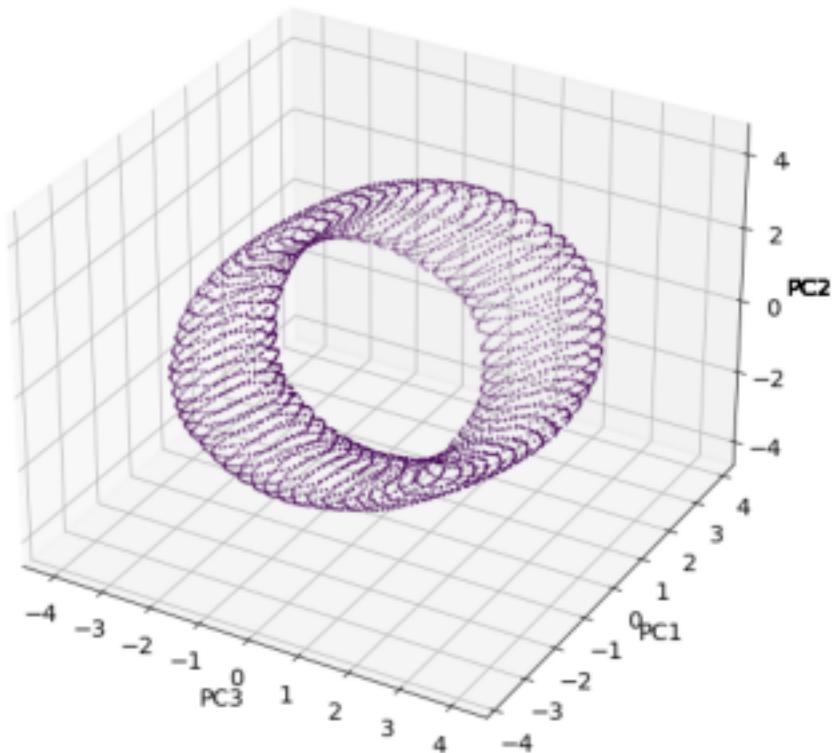
PCA on R1,R2,DT activity, colored by timestep  
(before go cue to before go cue)



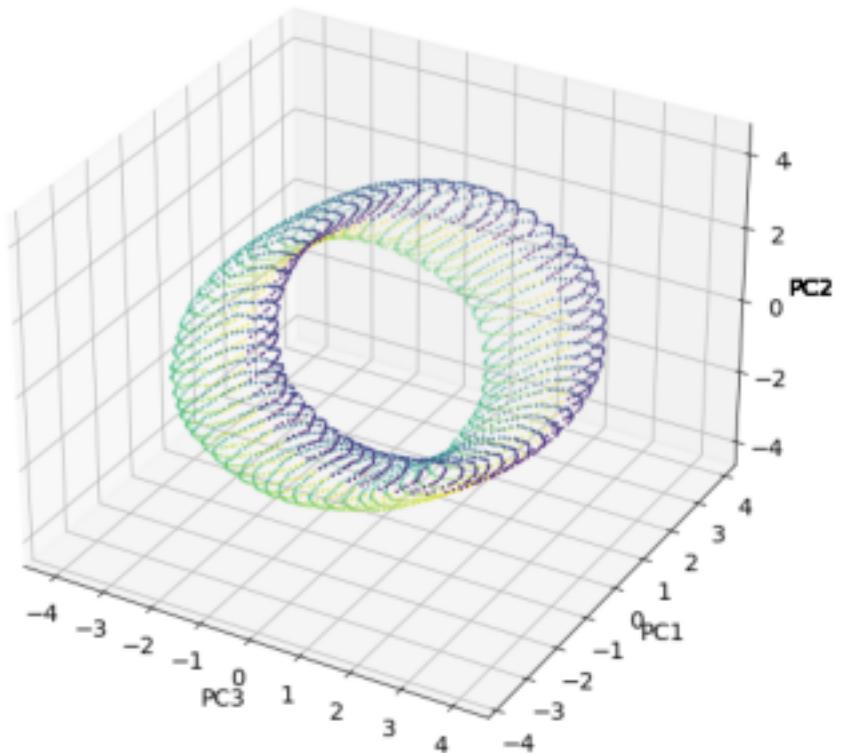
PCA on R1,R2,DT activity, colored by orientation1  
(before go cue to before go cue)



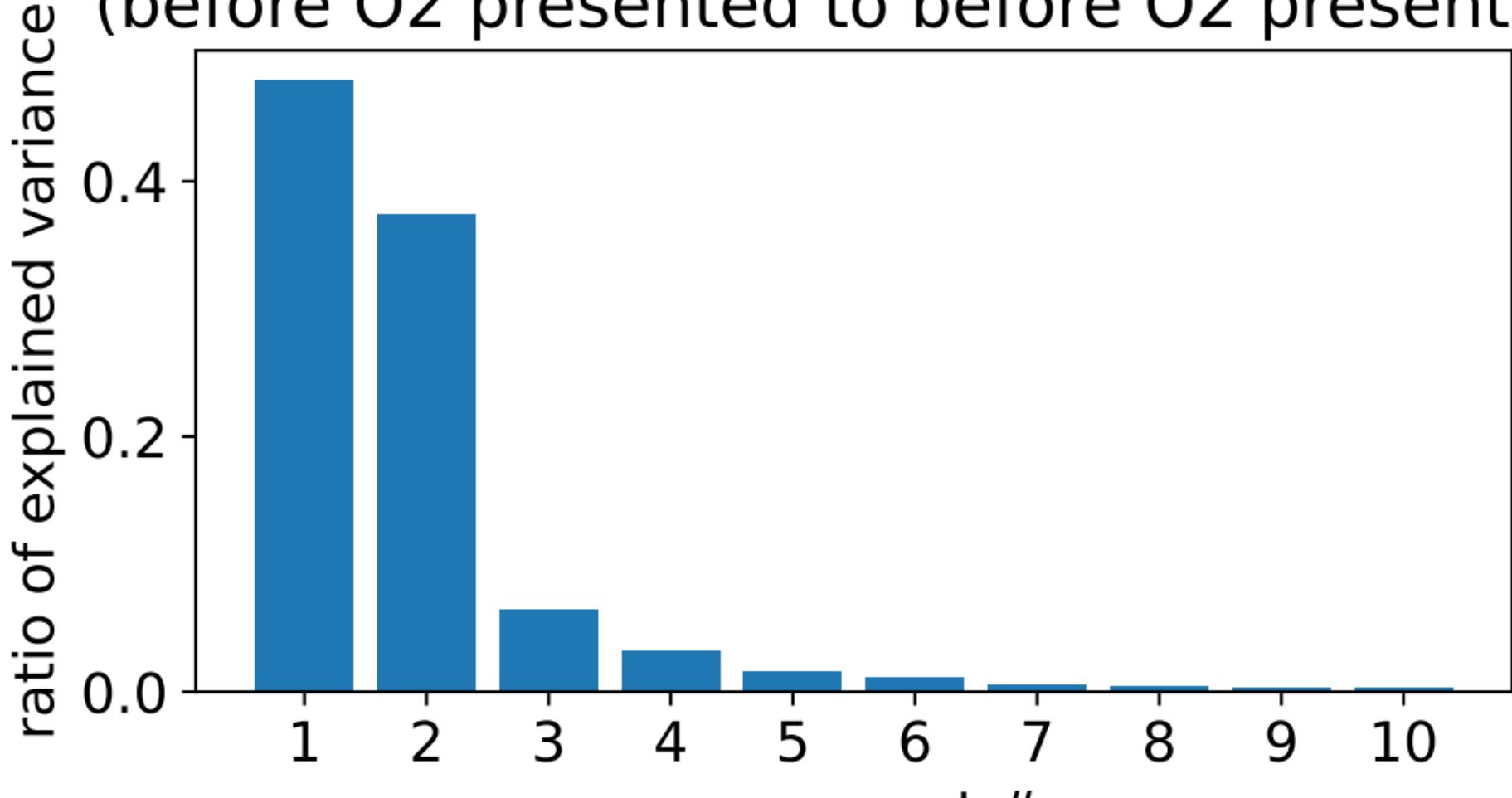
PCA on R1,R2,DT activity, colored by timestep  
(before go cue to before go cue)



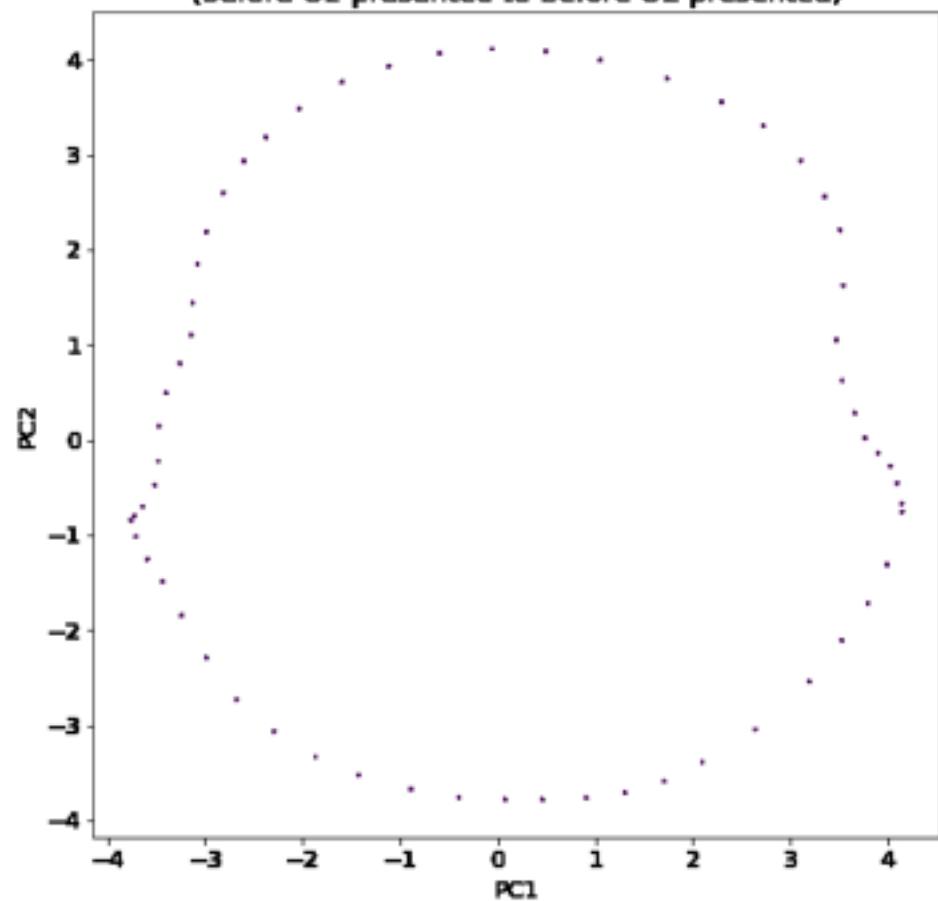
PCA on R1,R2,DT activity, colored by orientation1  
(before go cue to before go cue)



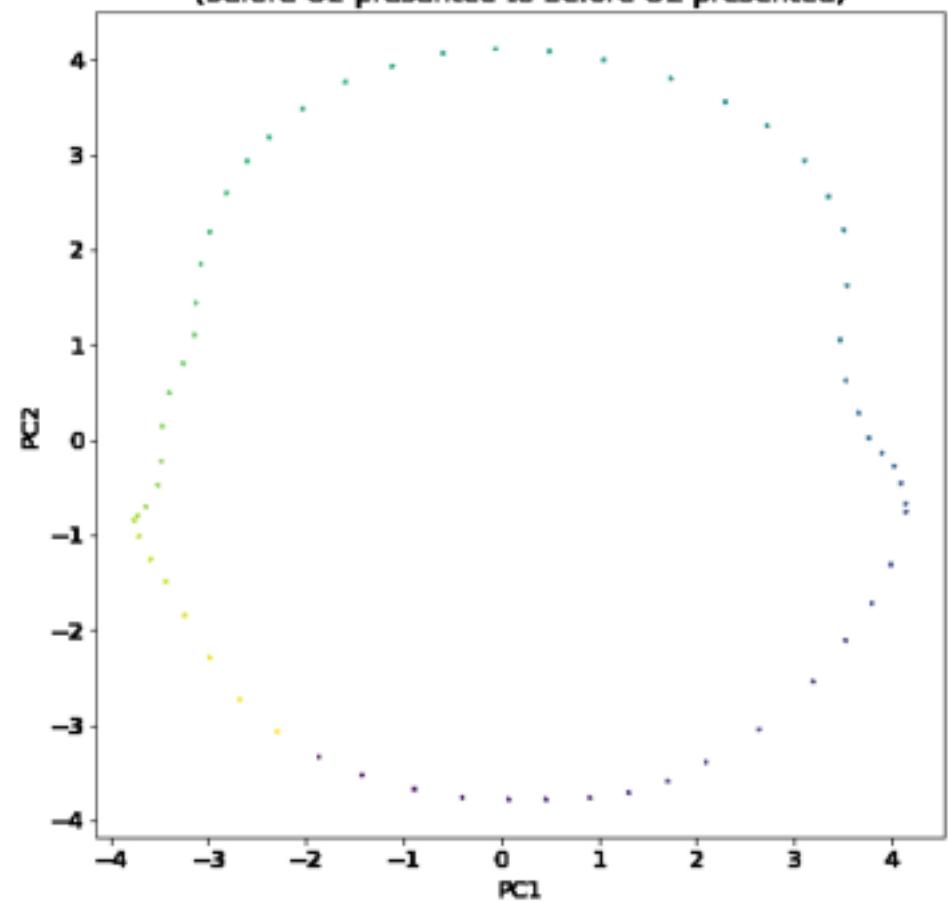
Explained variance in  $\text{O}_2\text{-R}_2$  activity by  $\text{O}_2\text{-R}$   
(before  $\text{O}_2$  presented to before  $\text{O}_2$  presented)



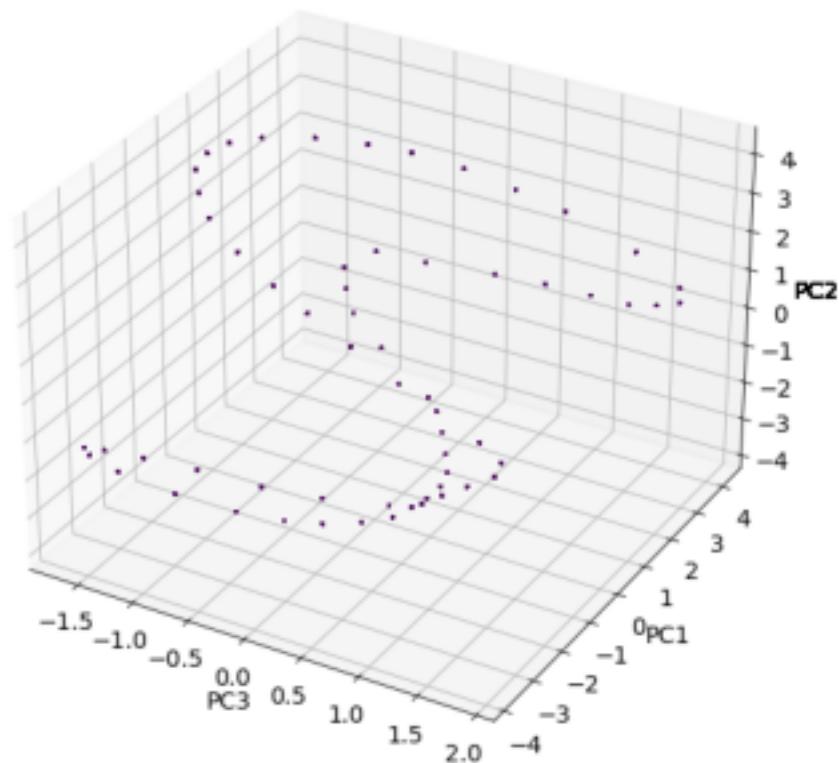
PCA on R1,R2,DT activity, colored by timestep  
(before O2 presented to before O2 presented)



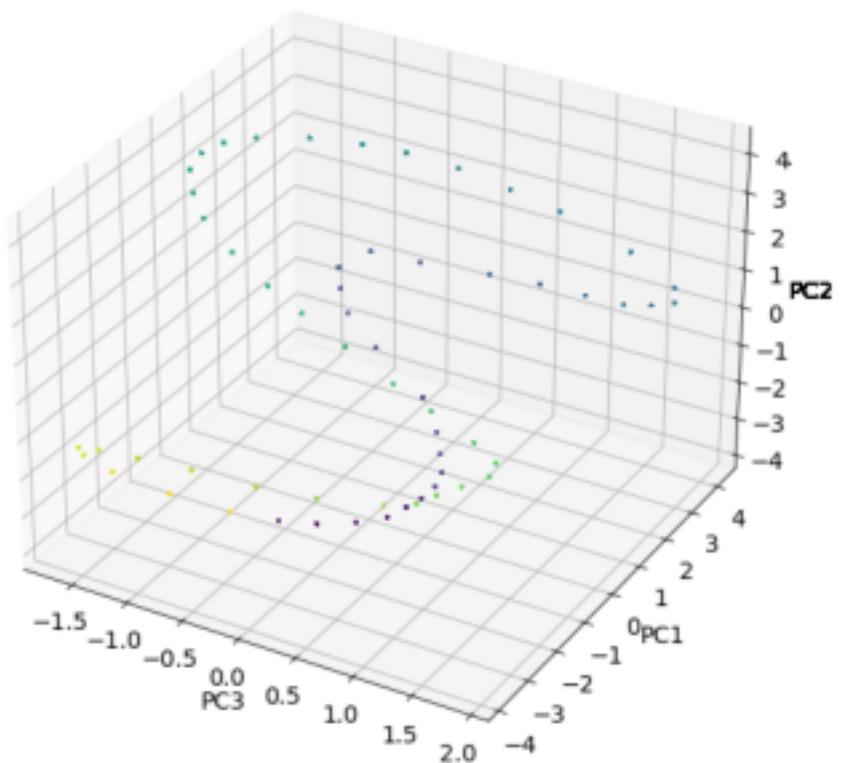
PCA on R1,R2,DT activity, colored by orientation1  
(before O2 presented to before O2 presented)

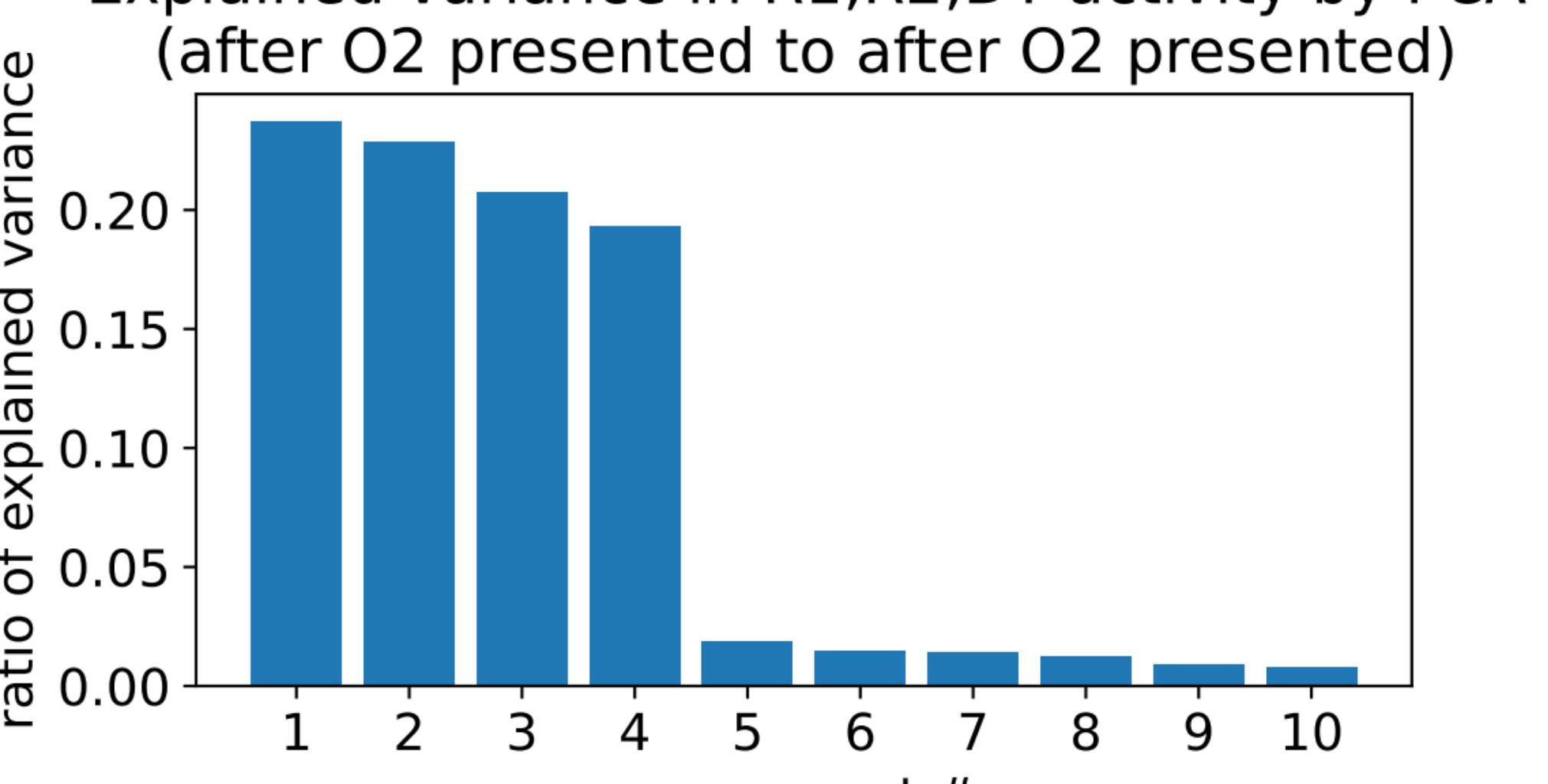


PCA on R1,R2,DT activity, colored by timestep  
(before O2 presented to before O2 presented)

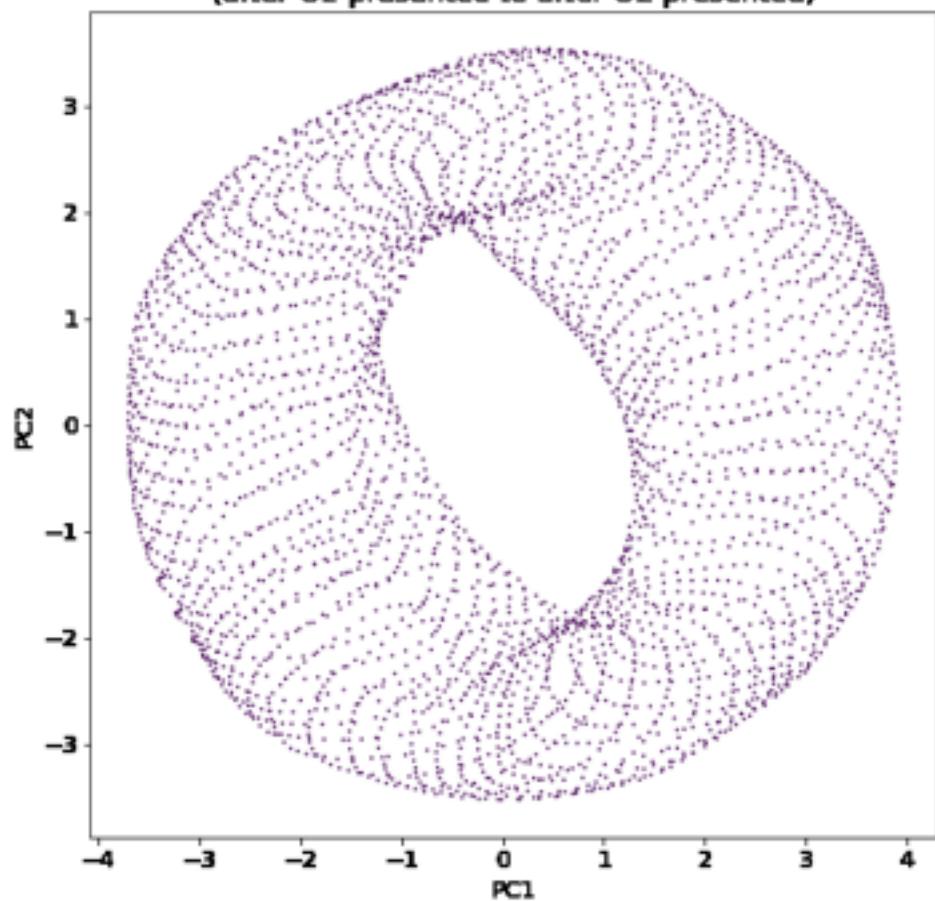


PCA on R1,R2,DT activity, colored by orientation1  
(before O2 presented to before O2 presented)

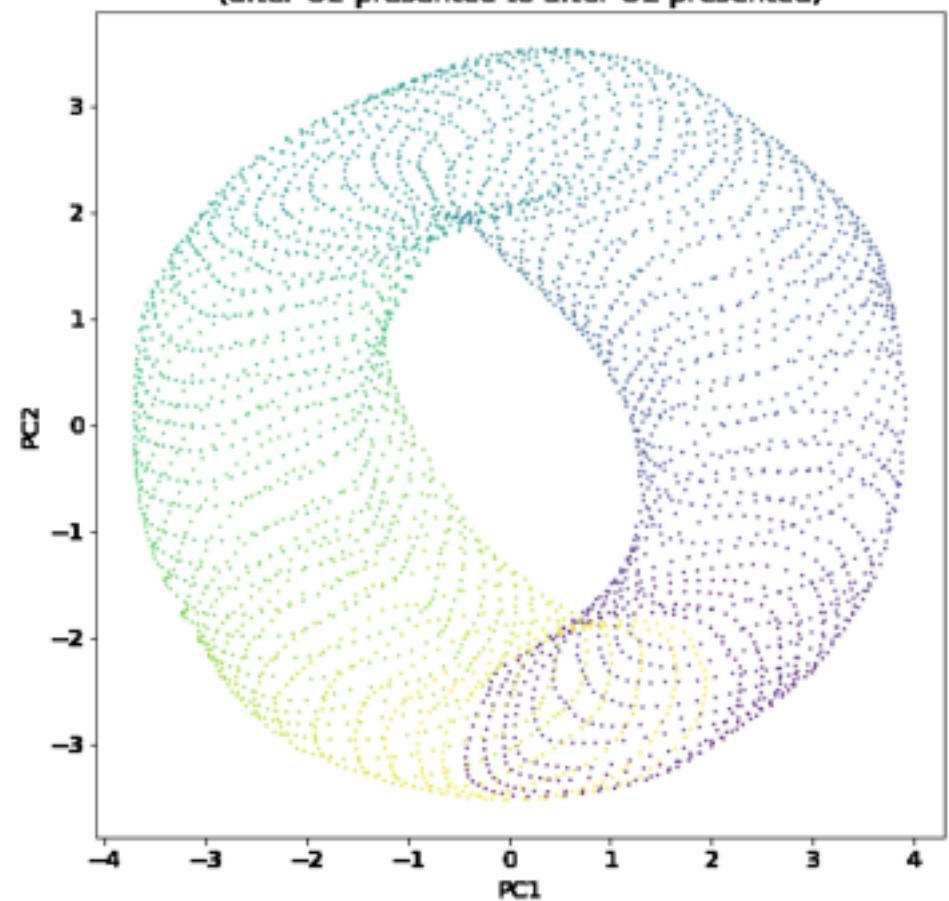




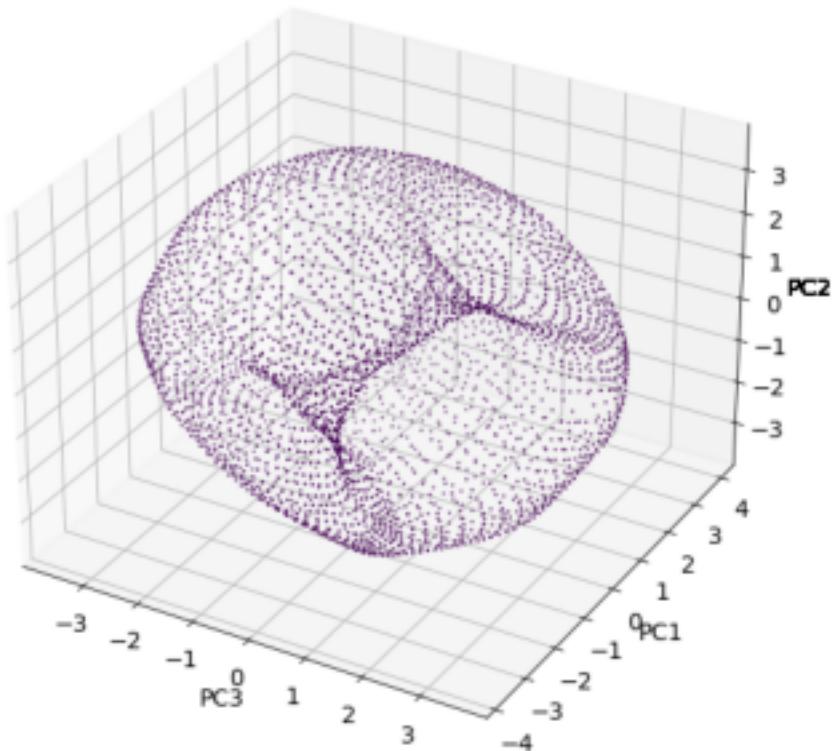
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



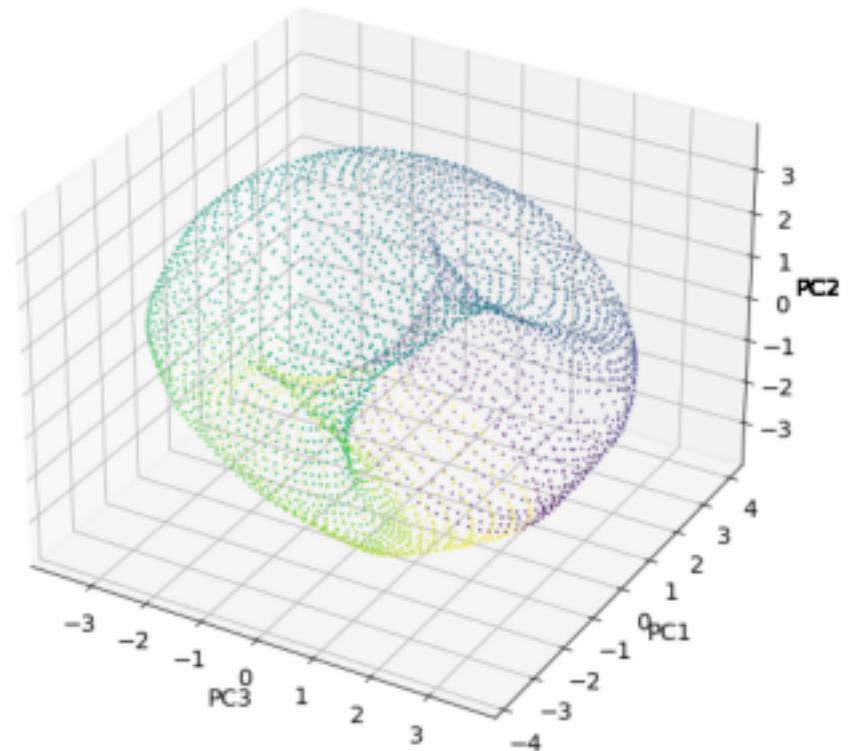
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



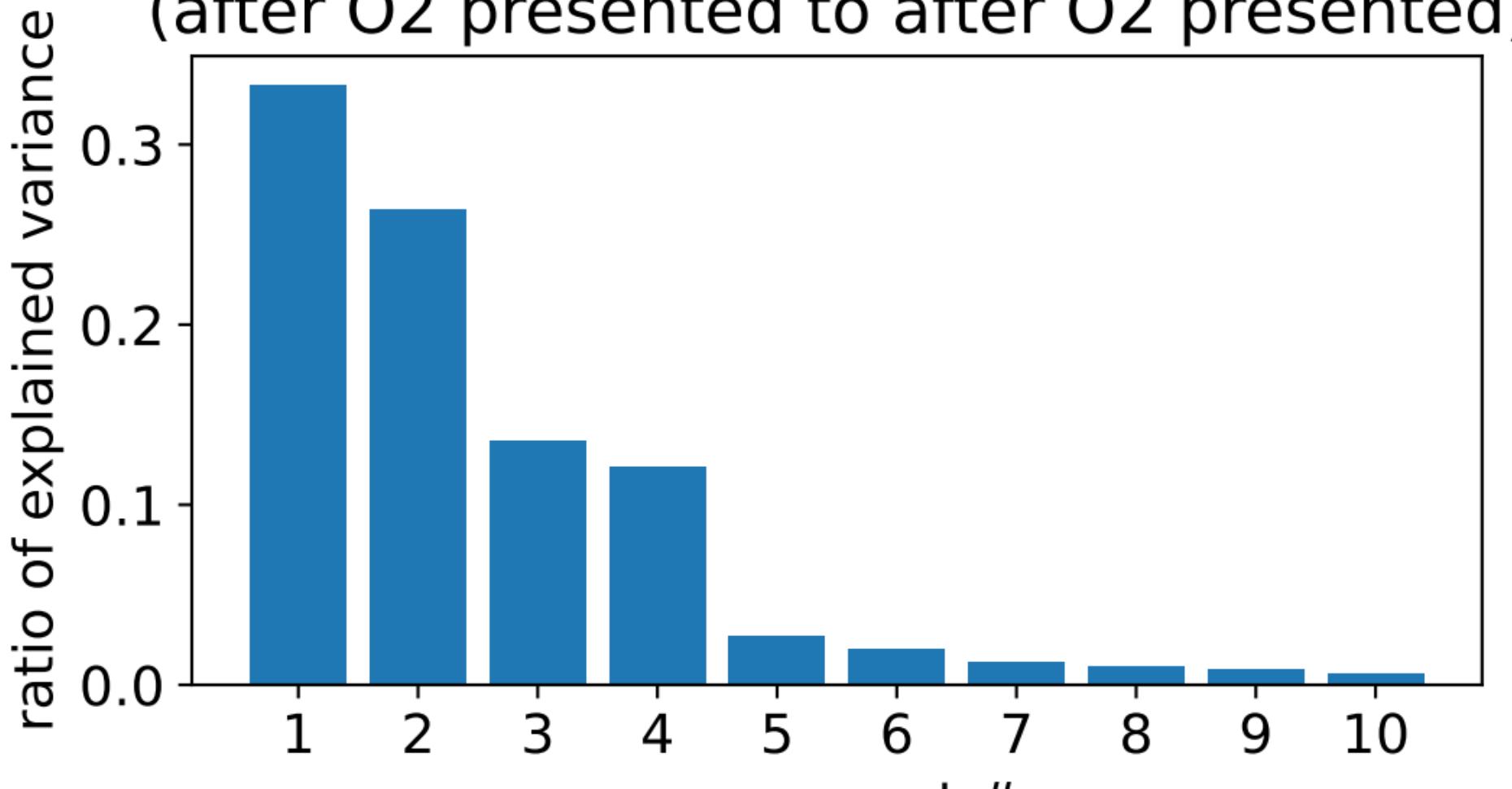
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



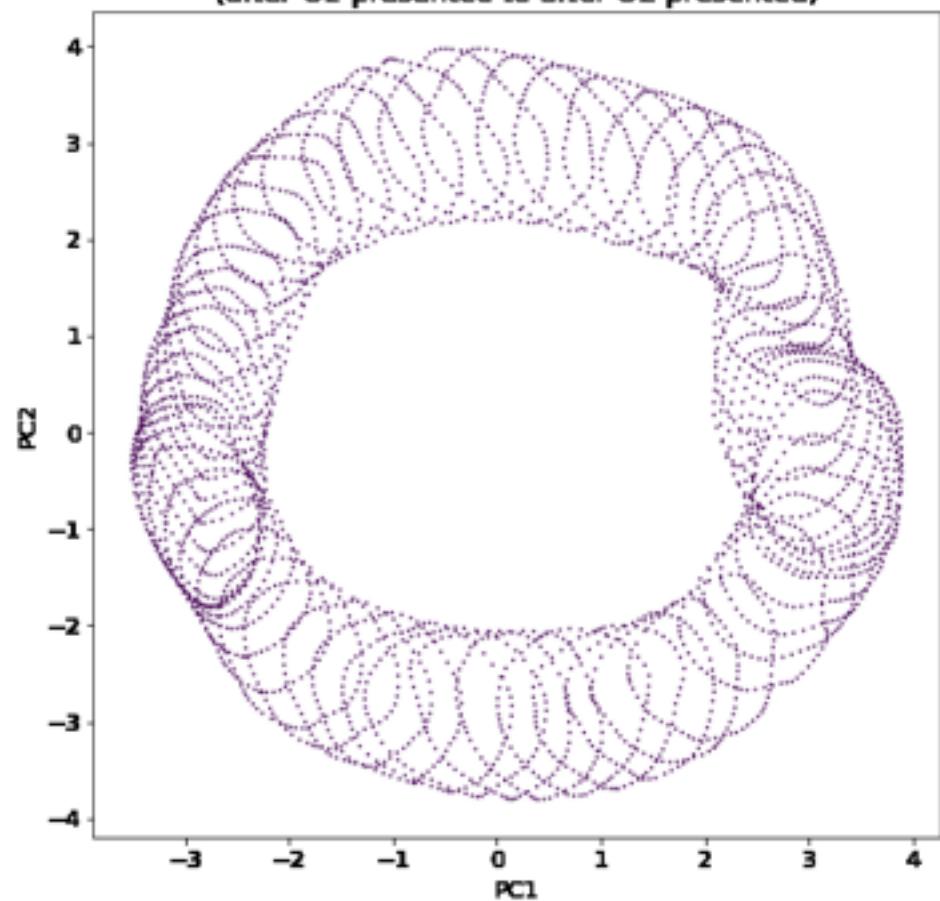
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



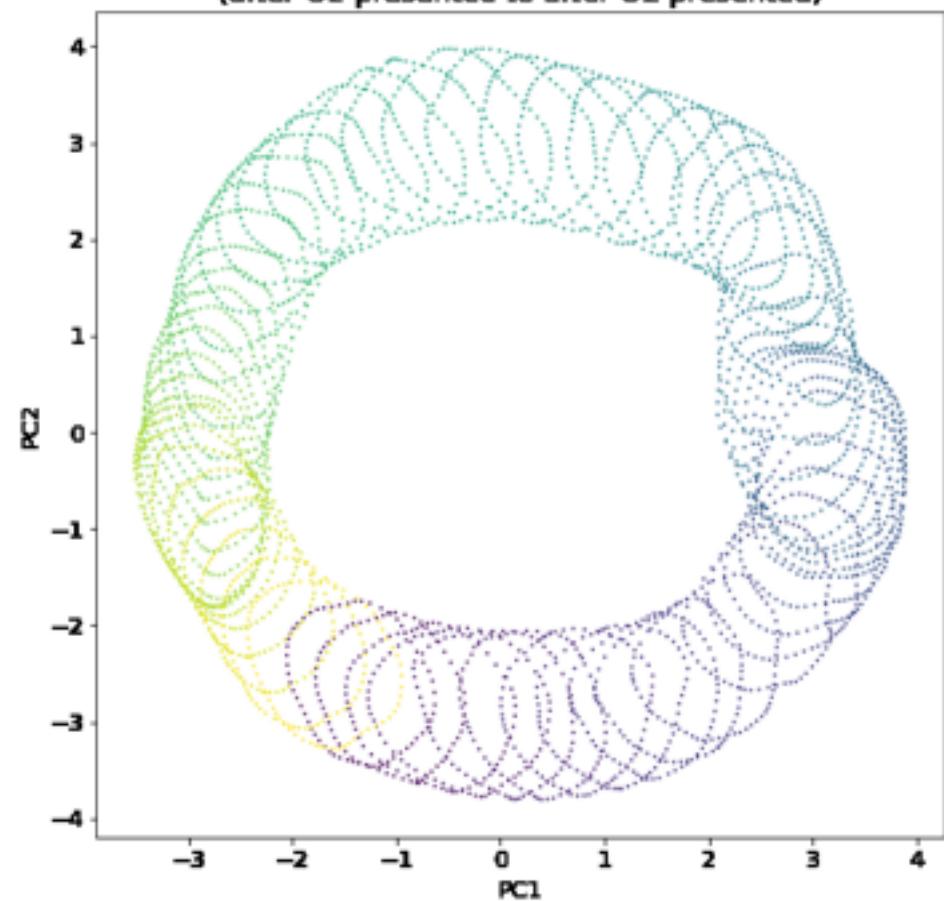
Explained variance after O<sub>2</sub>, O<sub>2</sub>, D<sub>2</sub> activity by PLS  
(after O<sub>2</sub> presented to after O<sub>2</sub> presented)



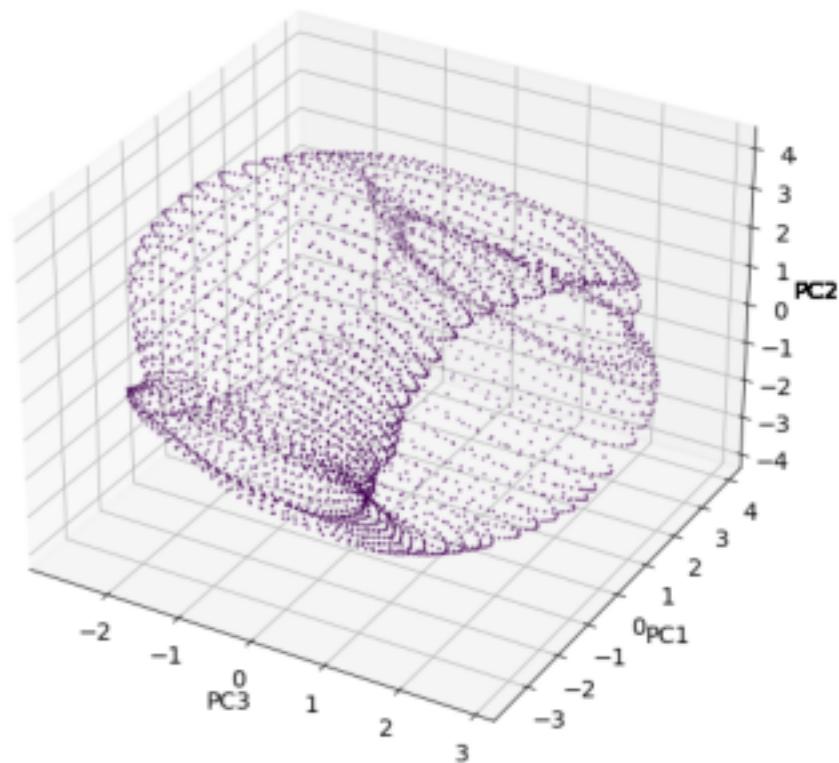
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



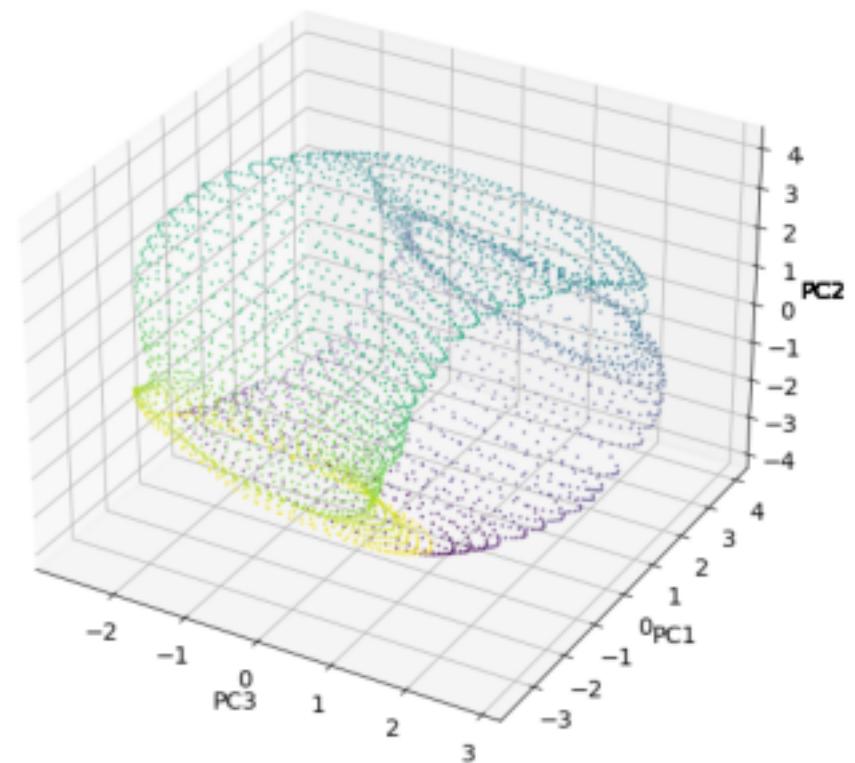
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



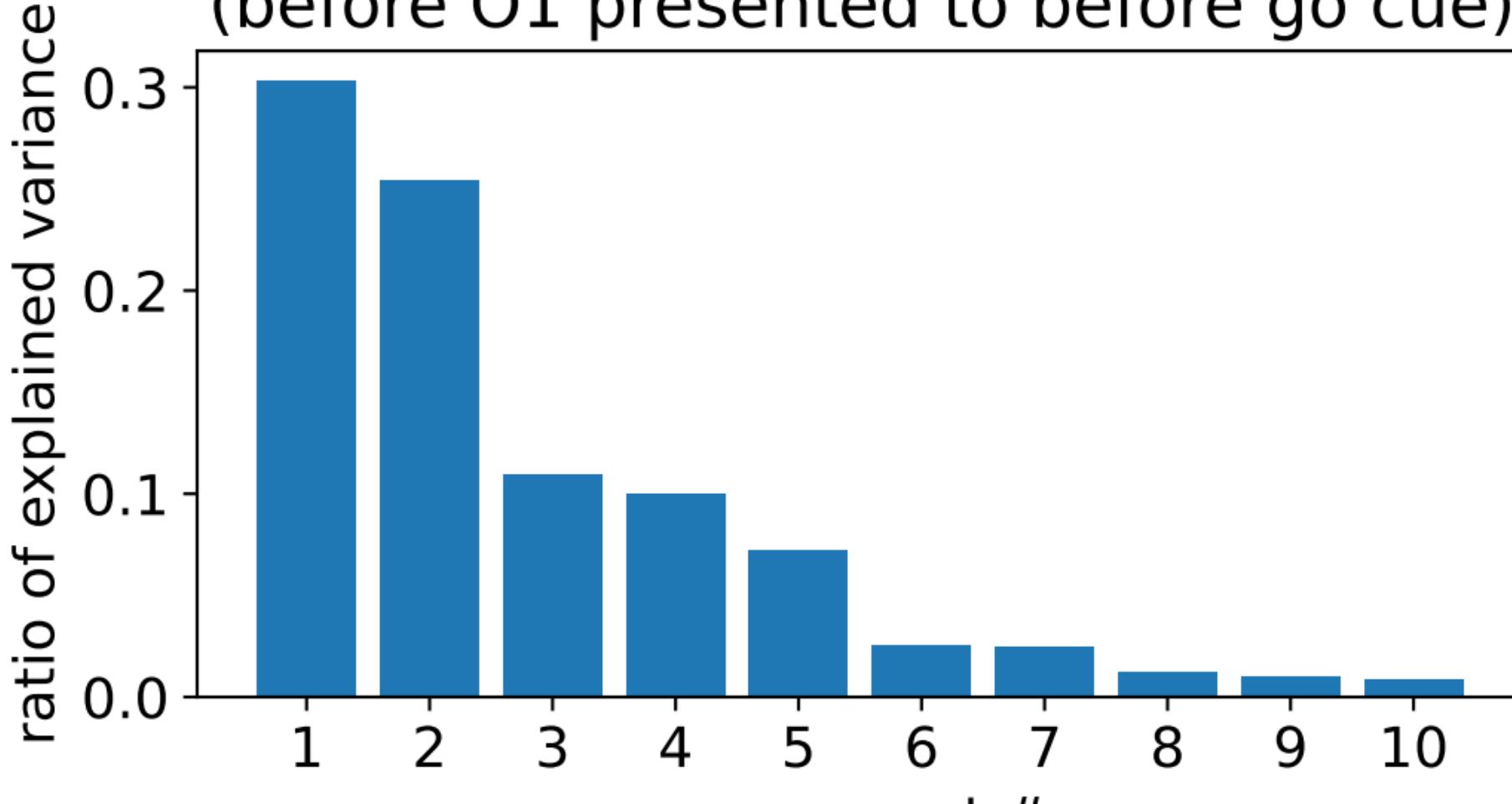
PCA on R1,R2,DT activity, colored by timestep  
(after O2 presented to after O2 presented)



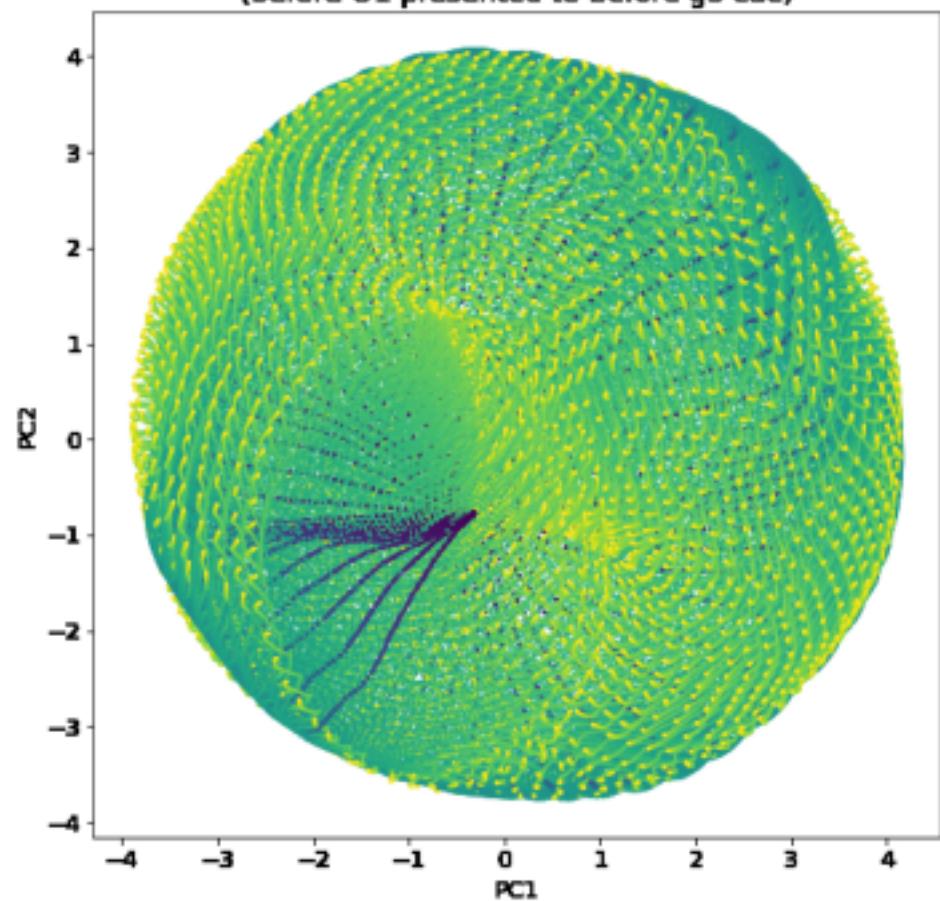
PCA on R1,R2,DT activity, colored by orientation1  
(after O2 presented to after O2 presented)



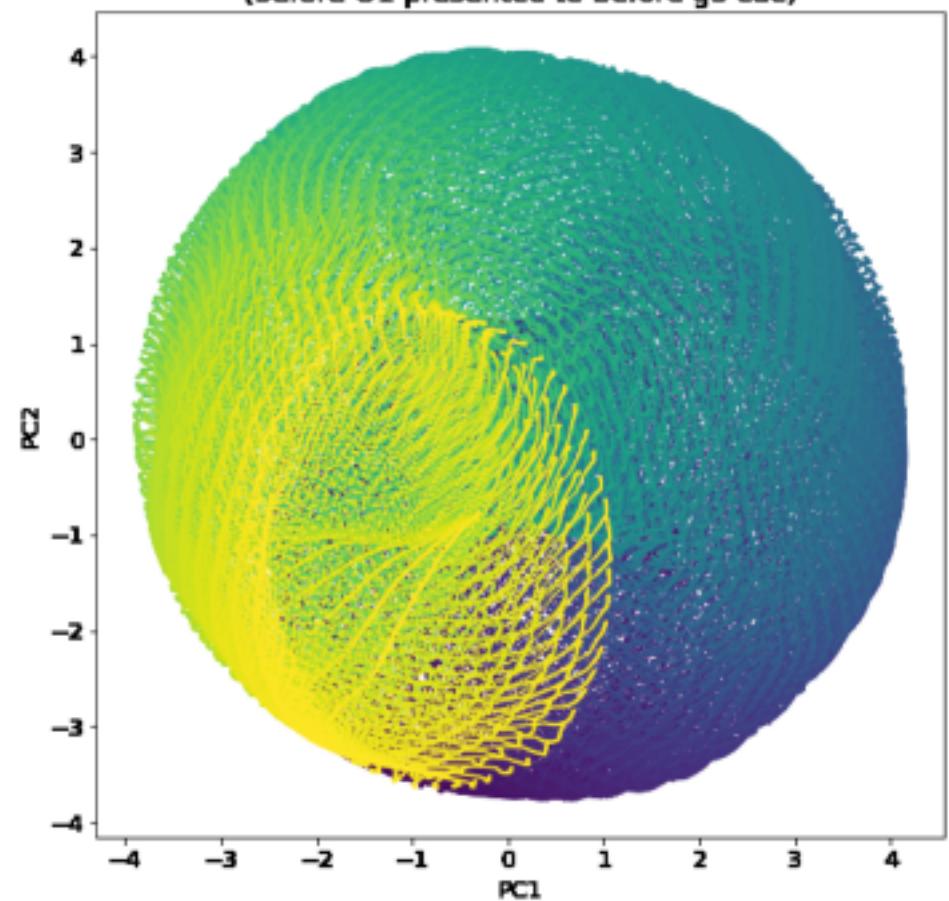
(before O1 presented to before go cue)



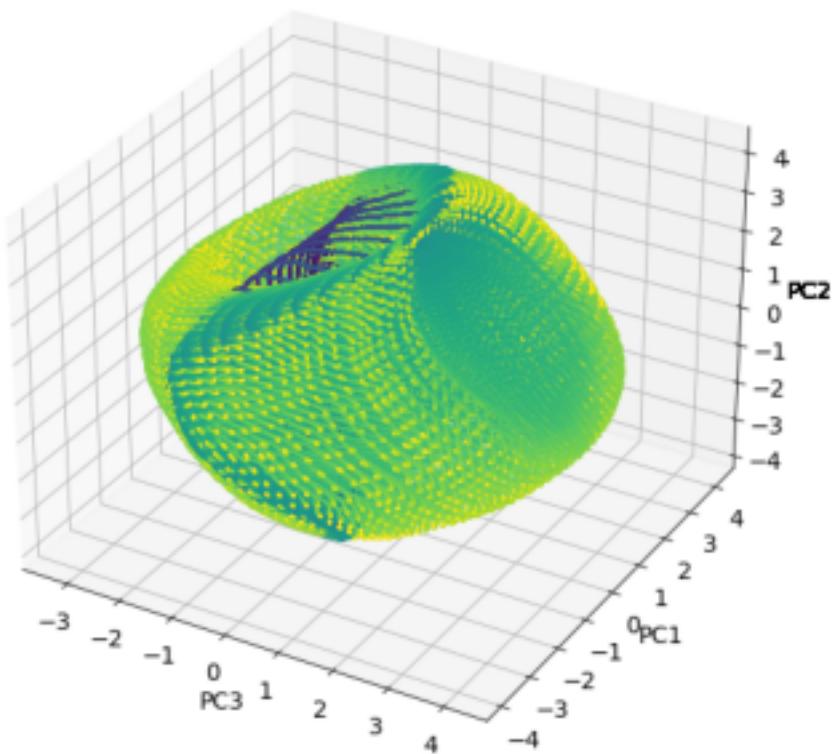
PCA on R1,R2,DT activity, colored by timestep  
(before O1 presented to before go cue)



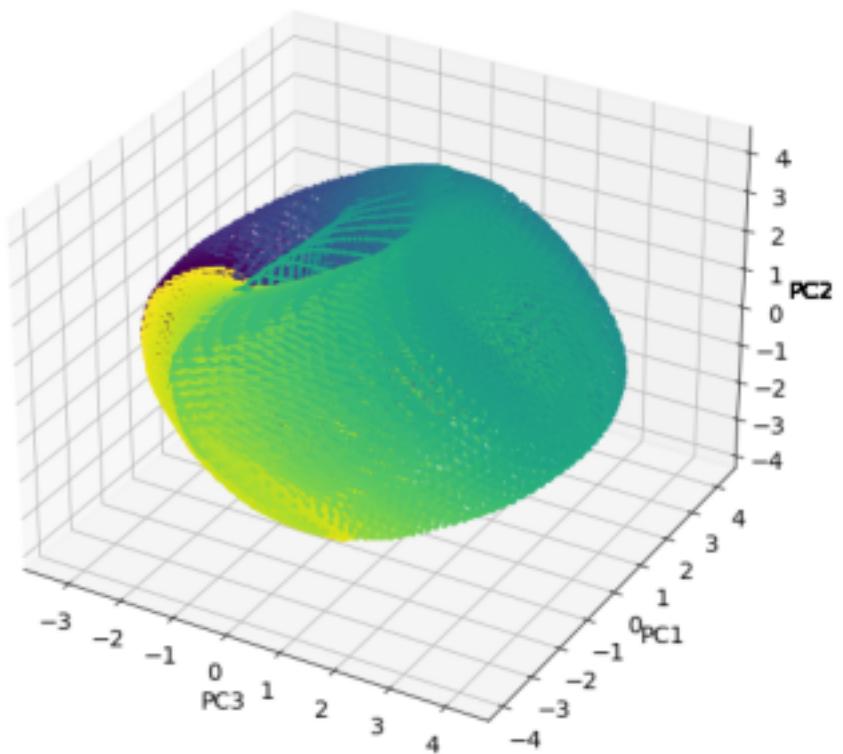
PCA on R1,R2,DT activity, colored by orientation1  
(before O1 presented to before go cue)



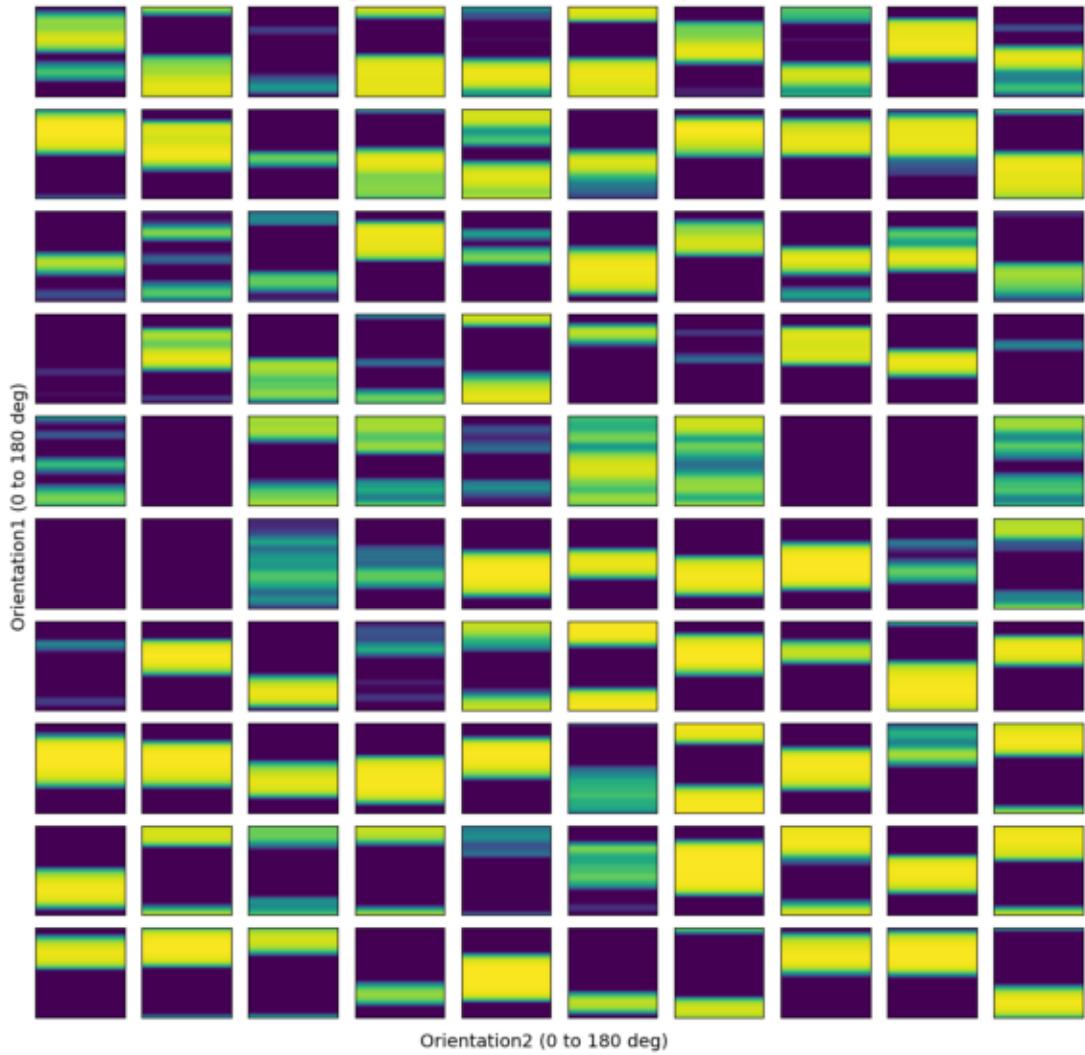
PCA on R1,R2,DT activity, colored by timestep  
(before O1 presented to before go cue)



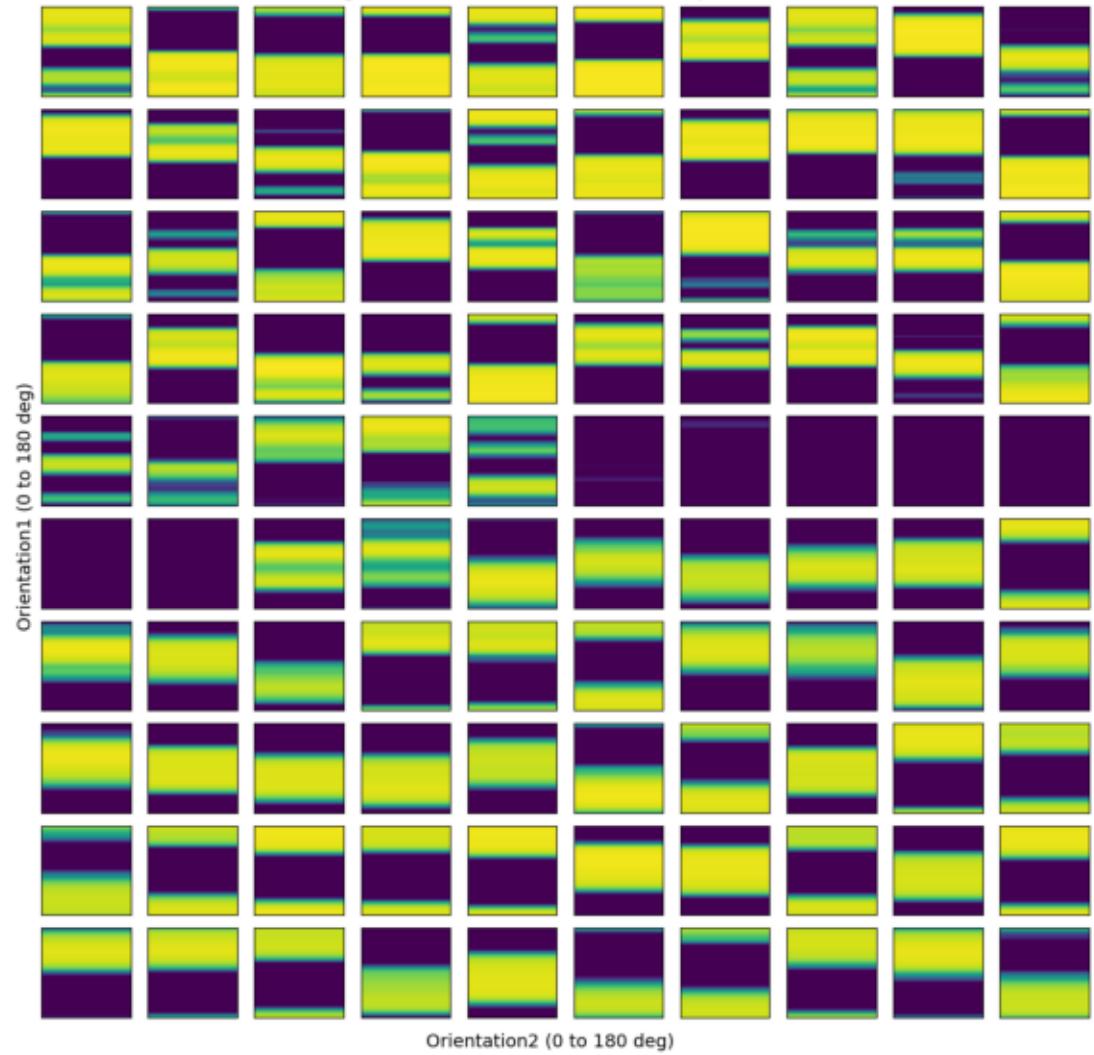
PCA on R1,R2,DT activity, colored by orientation1  
(before O1 presented to before go cue)



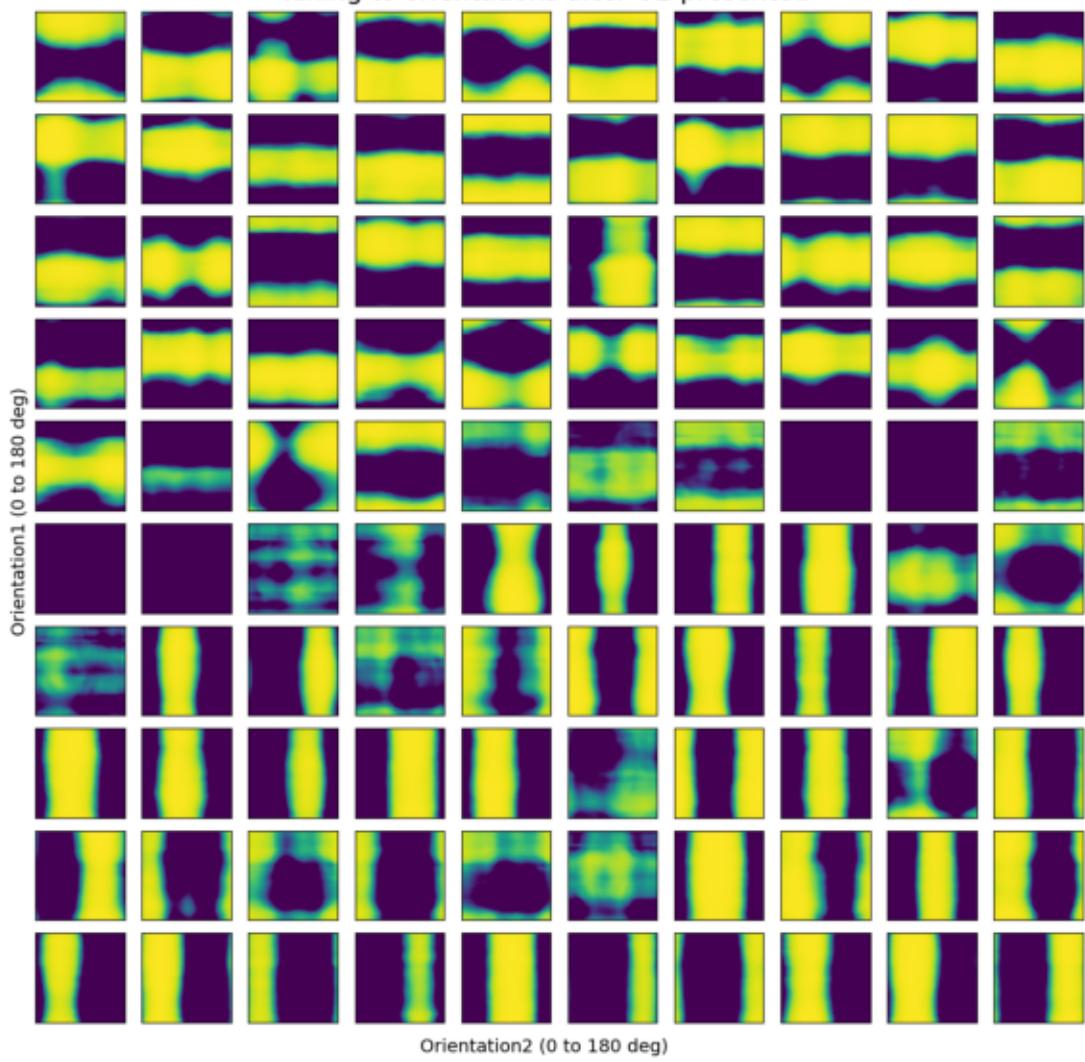
Tuning to orientations after O1 presented



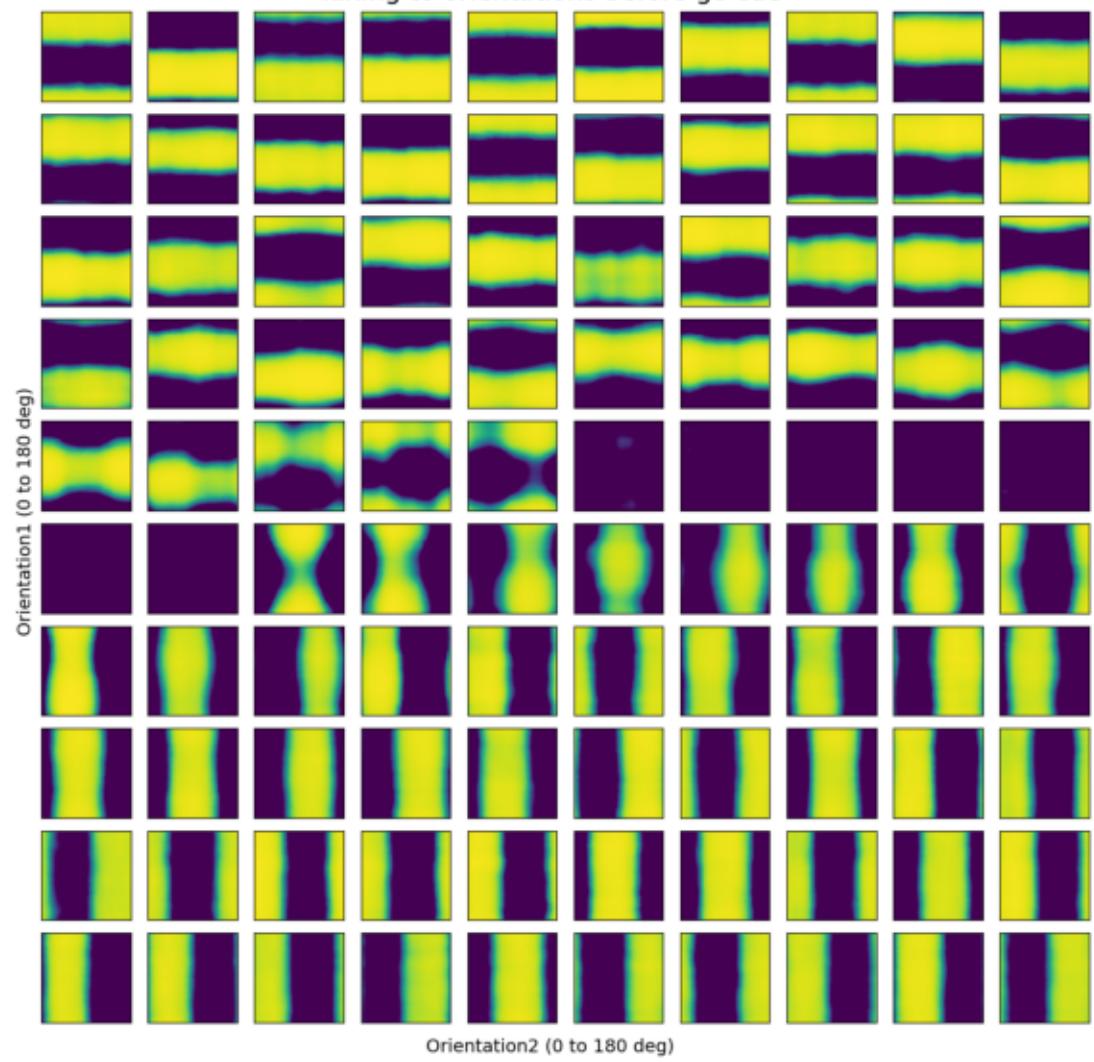
Tuning to orientations before O2 presented



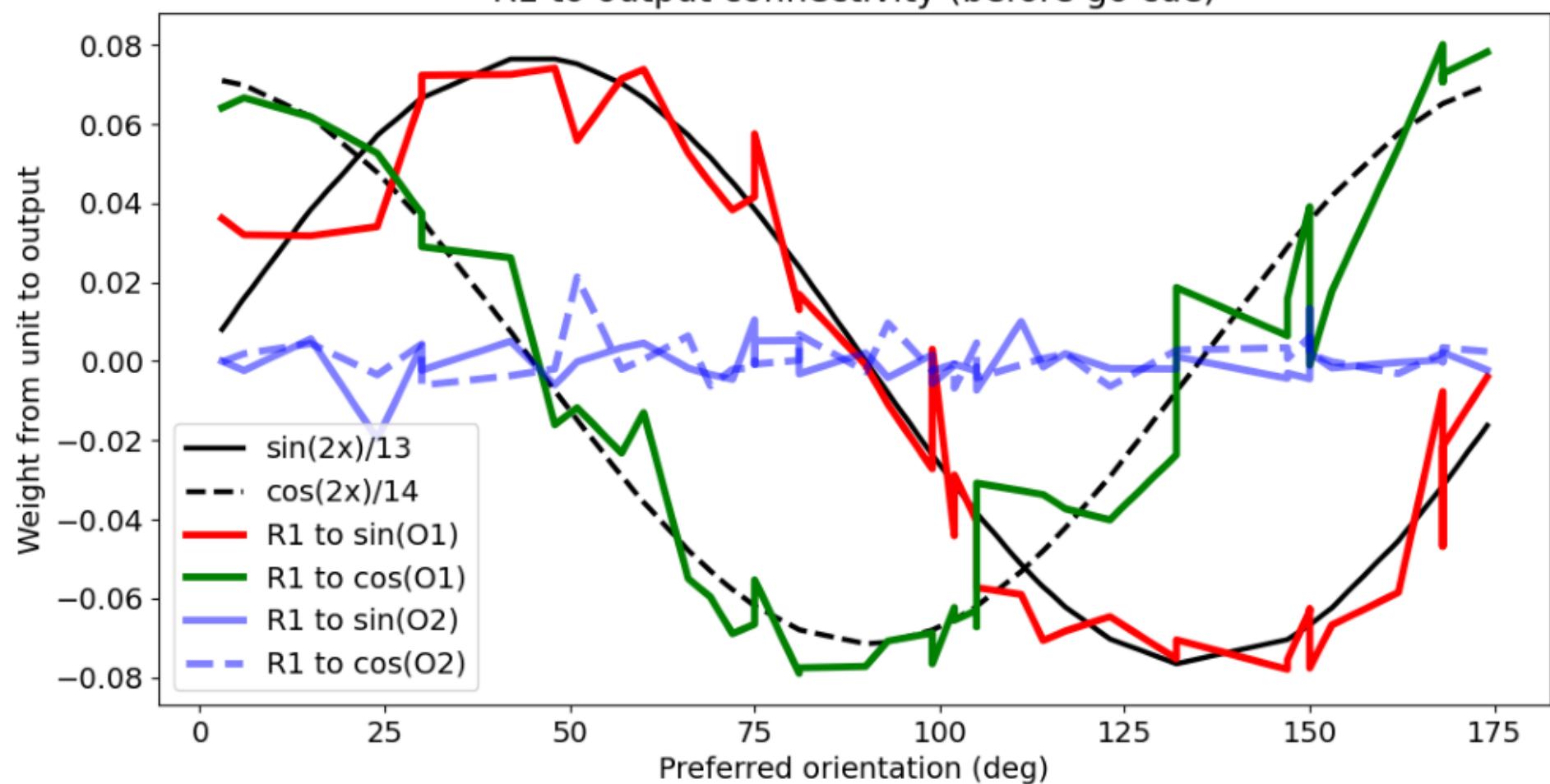
Tuning to orientations after O2 presented



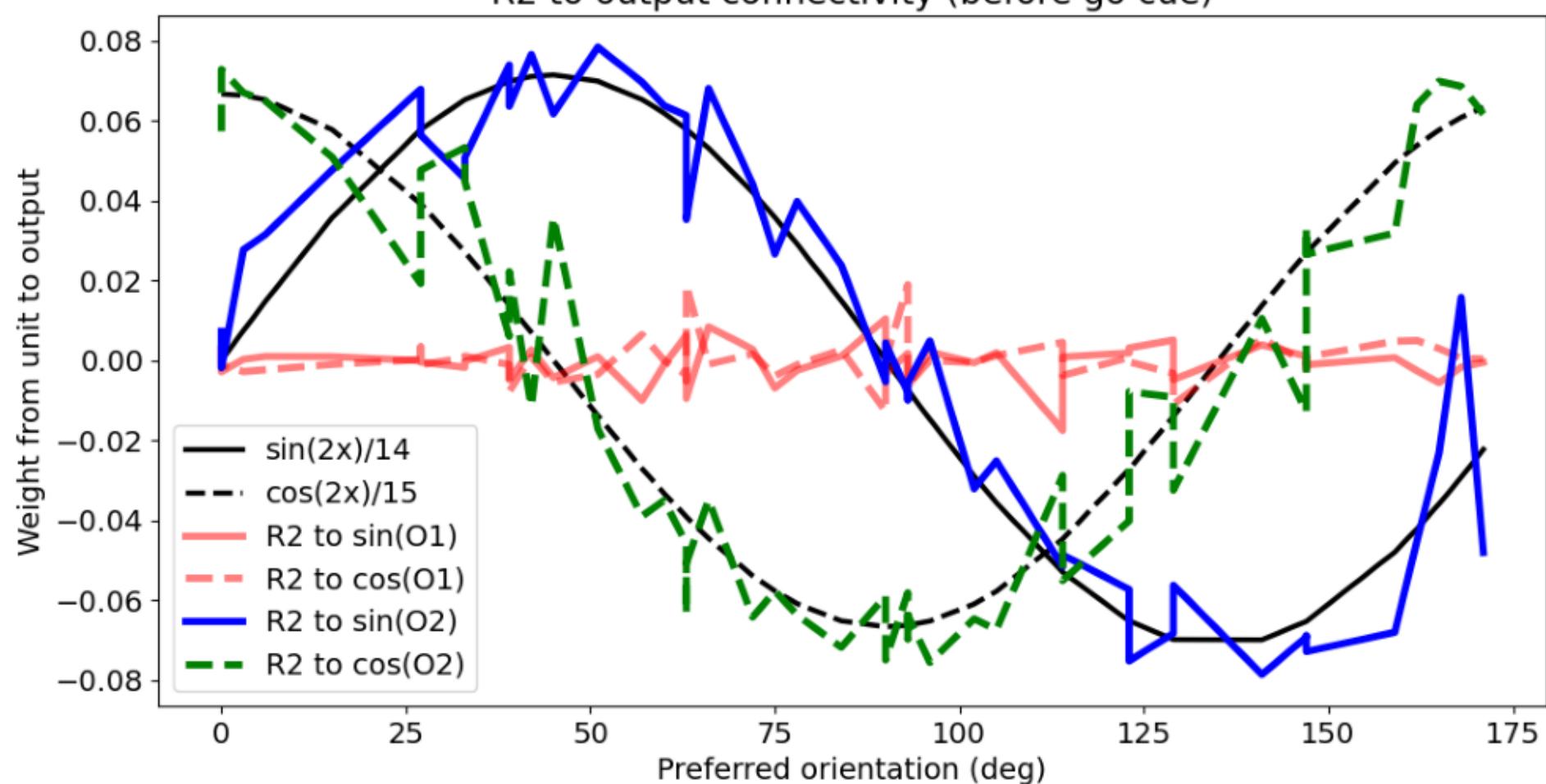
Tuning to orientations before go cue



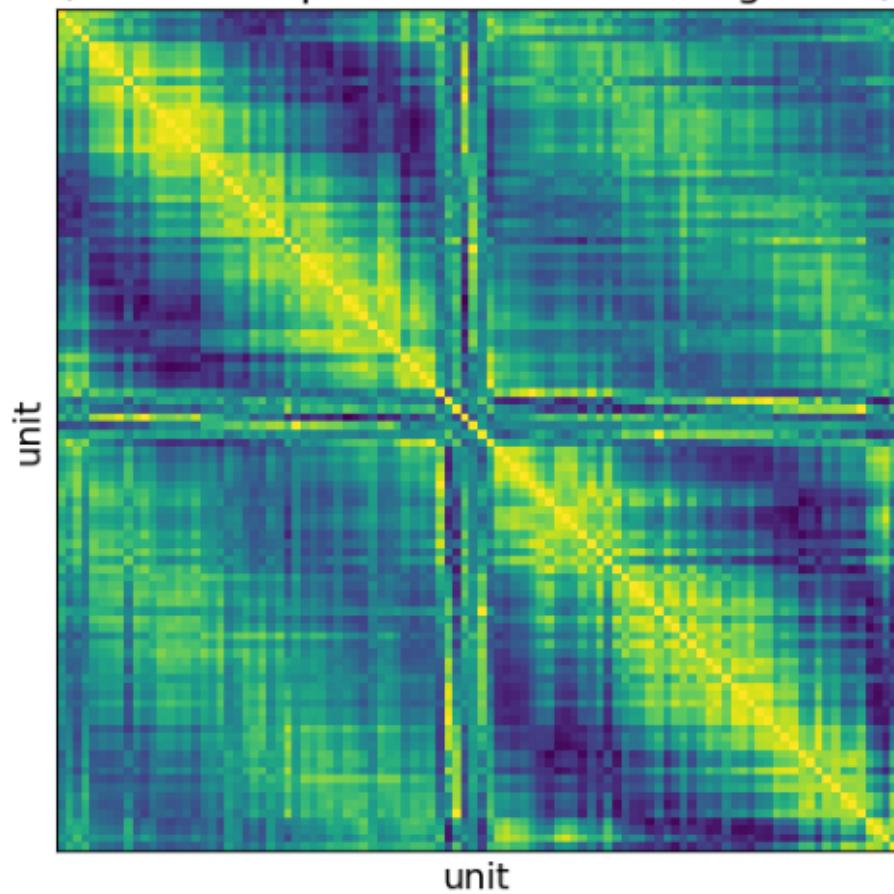
R1 to output connectivity (before go cue)



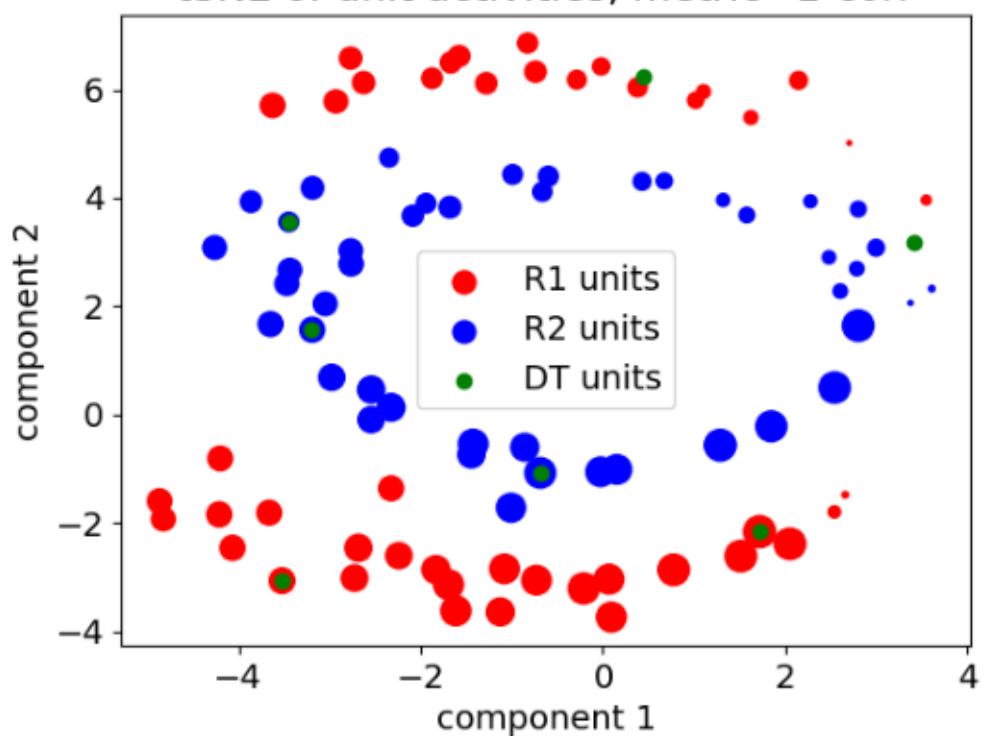
R2 to output connectivity (before go cue)



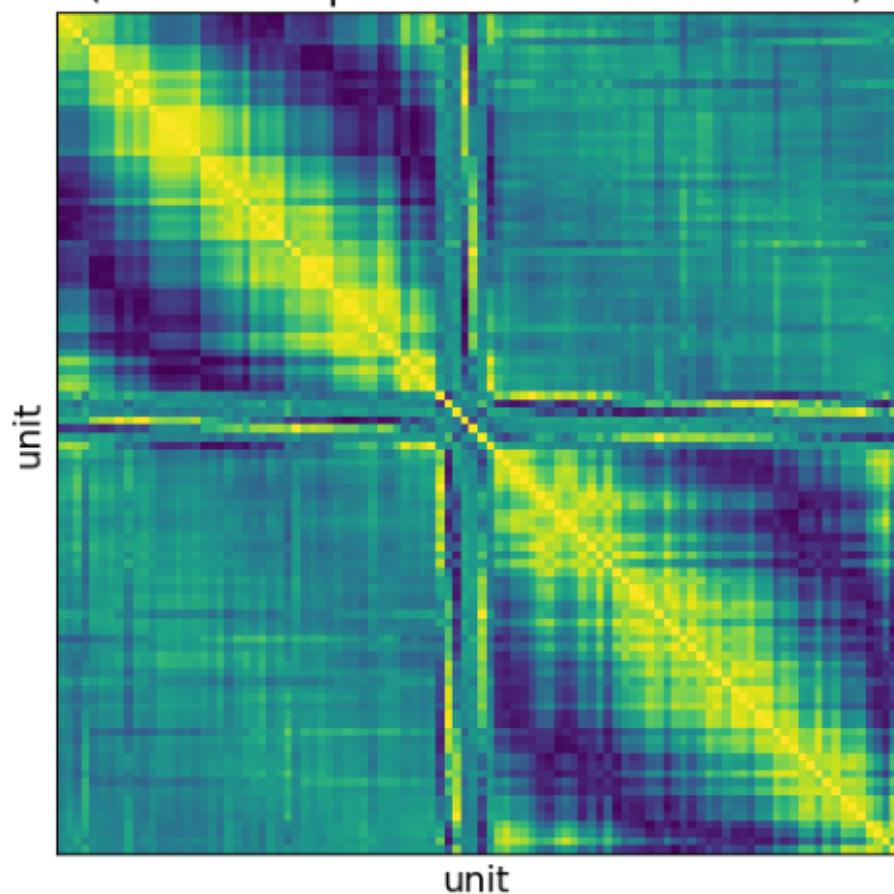
correlation of unit activities  
(before O1 presented to before go cue)



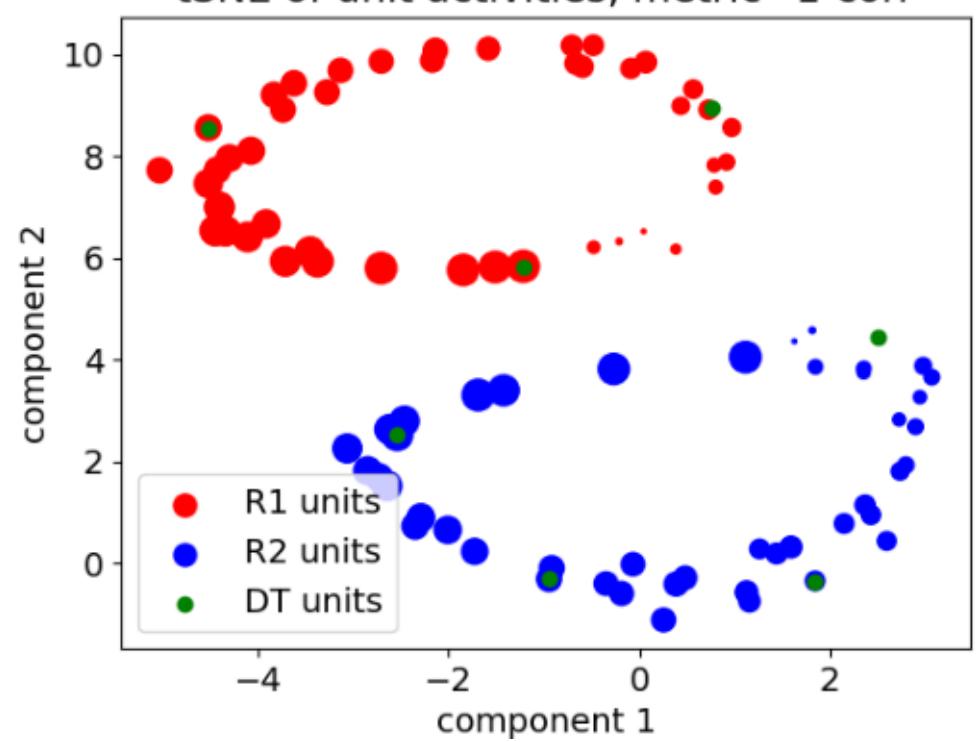
tSNE of unit activities, metric=1-corr



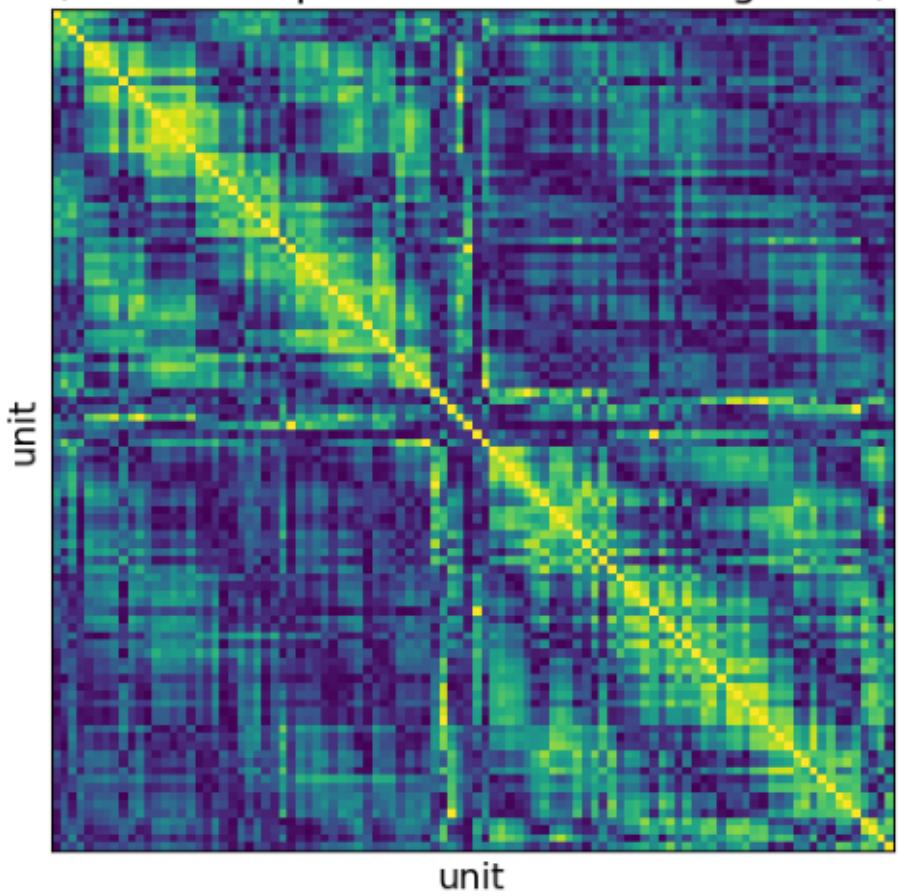
correlation of unit activities  
(before O2 presented to end of task)



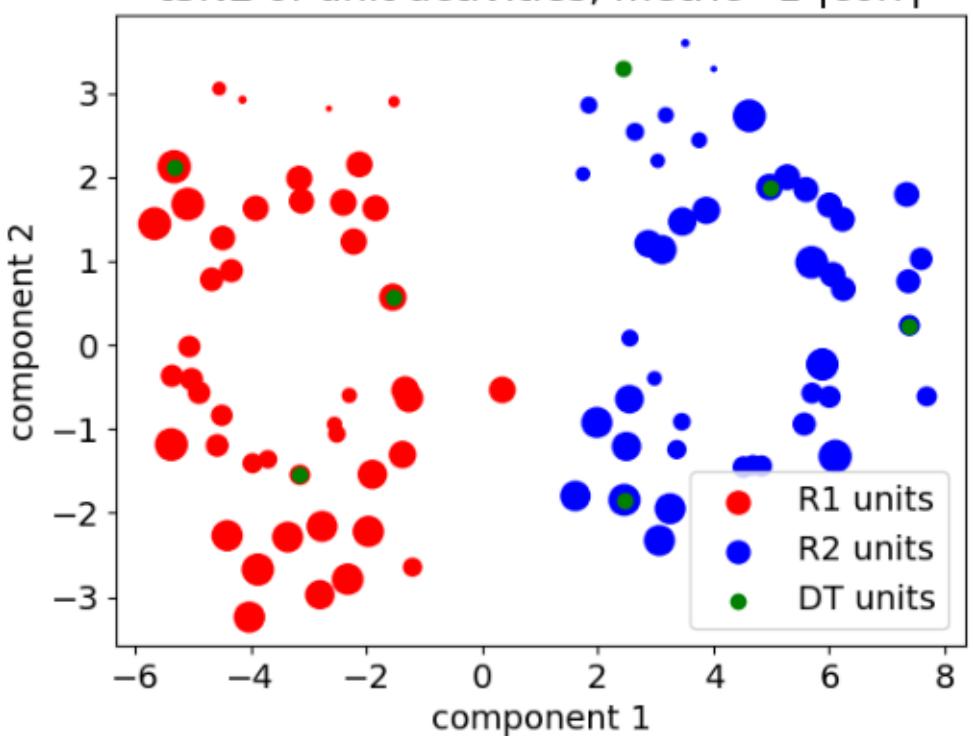
tSNE of unit activities, metric=1-corr



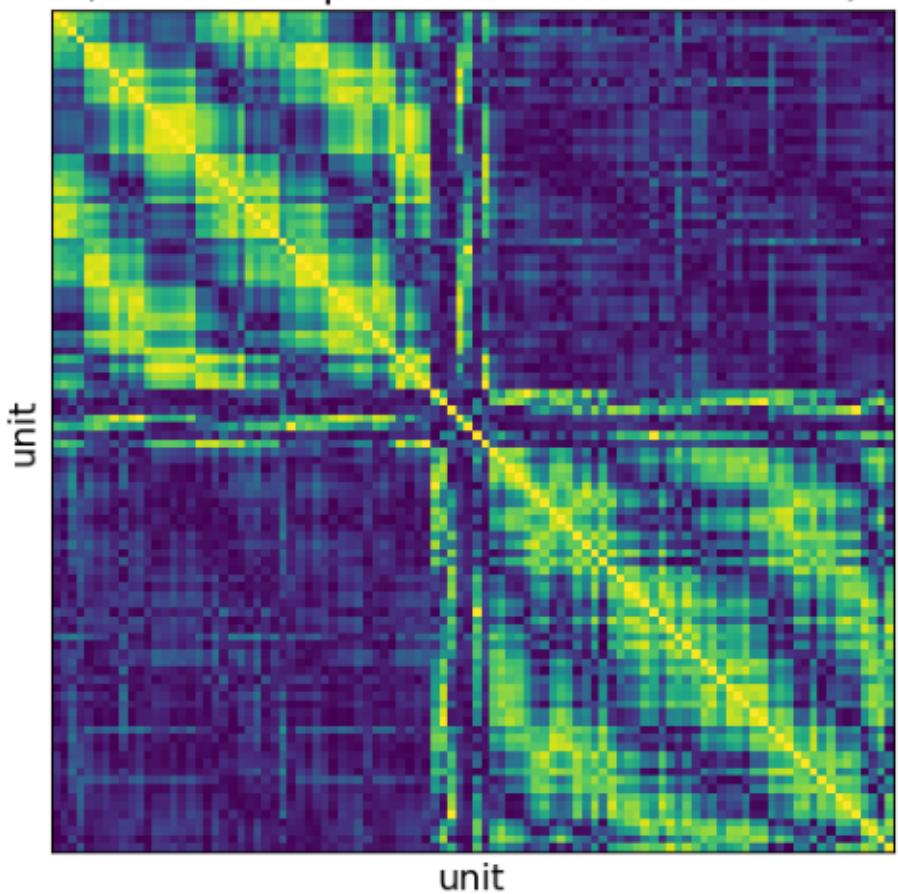
|correlation| of unit activities  
(before O1 presented to before go cue)



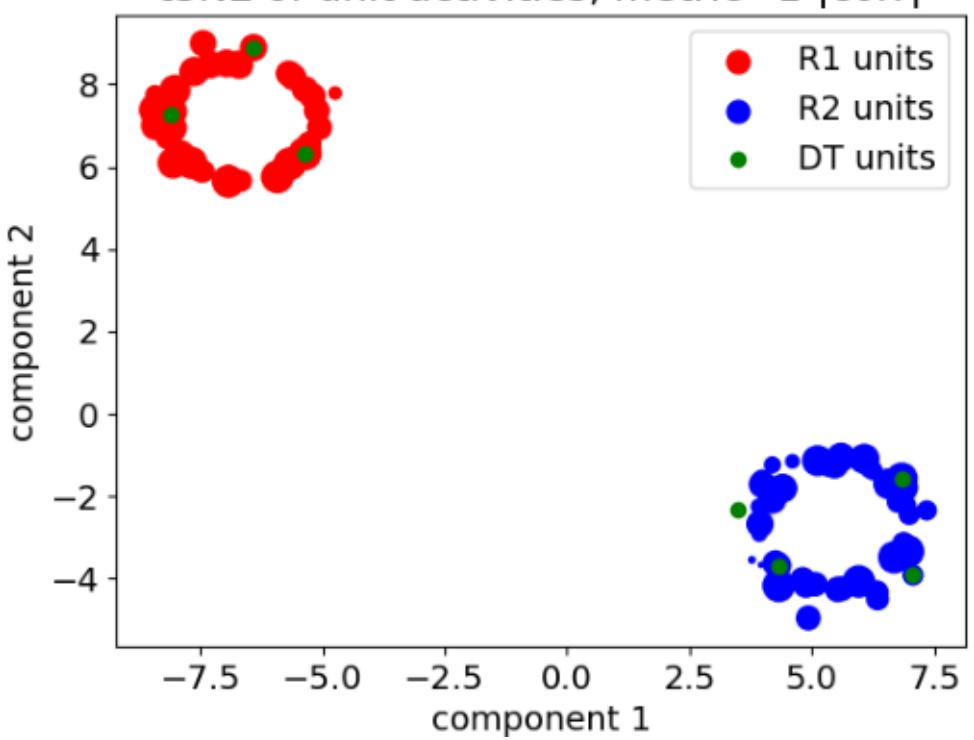
tSNE of unit activities, metric=1-|corr|



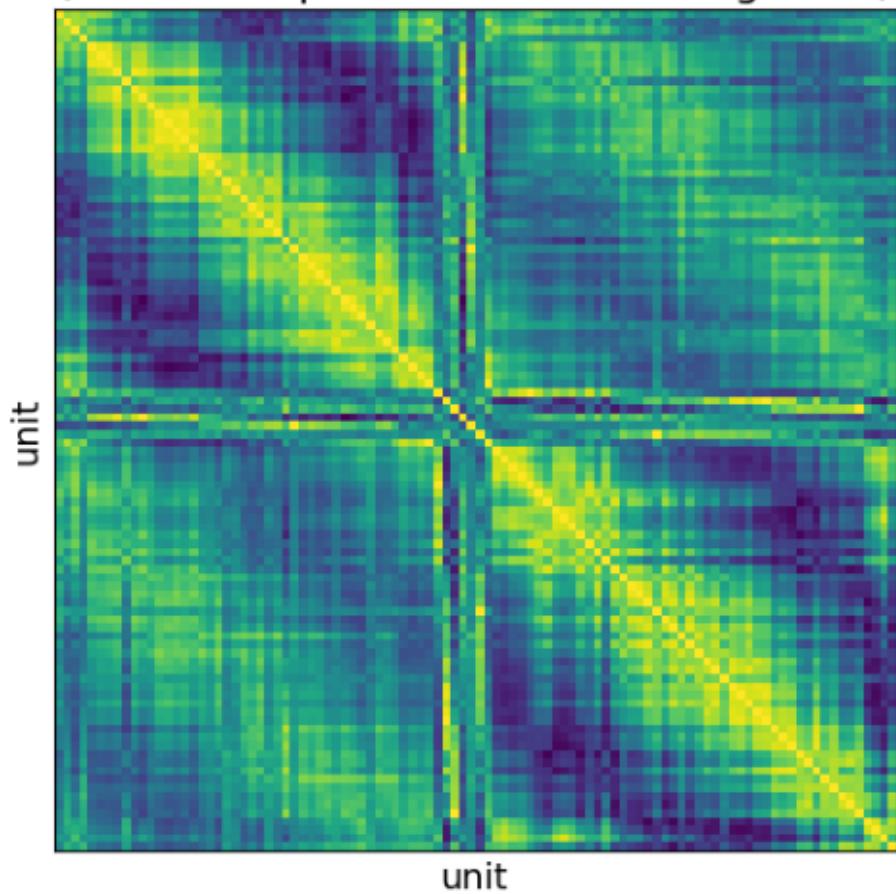
|correlation| of unit activities  
(before O2 presented to end of task)



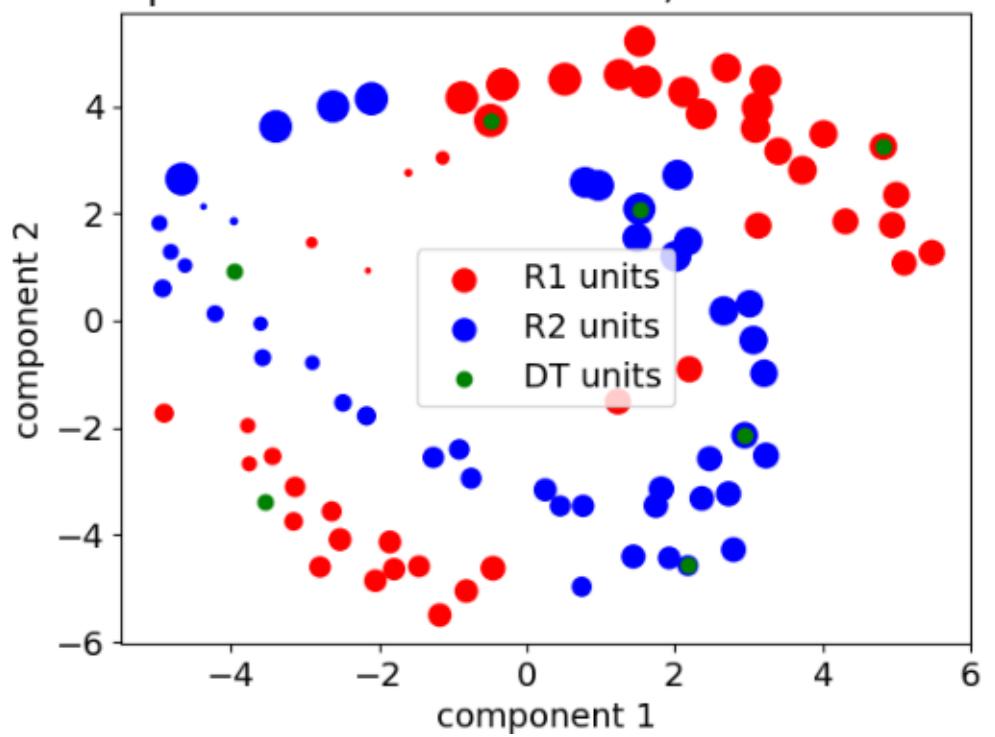
tSNE of unit activities, metric=1-|corr|



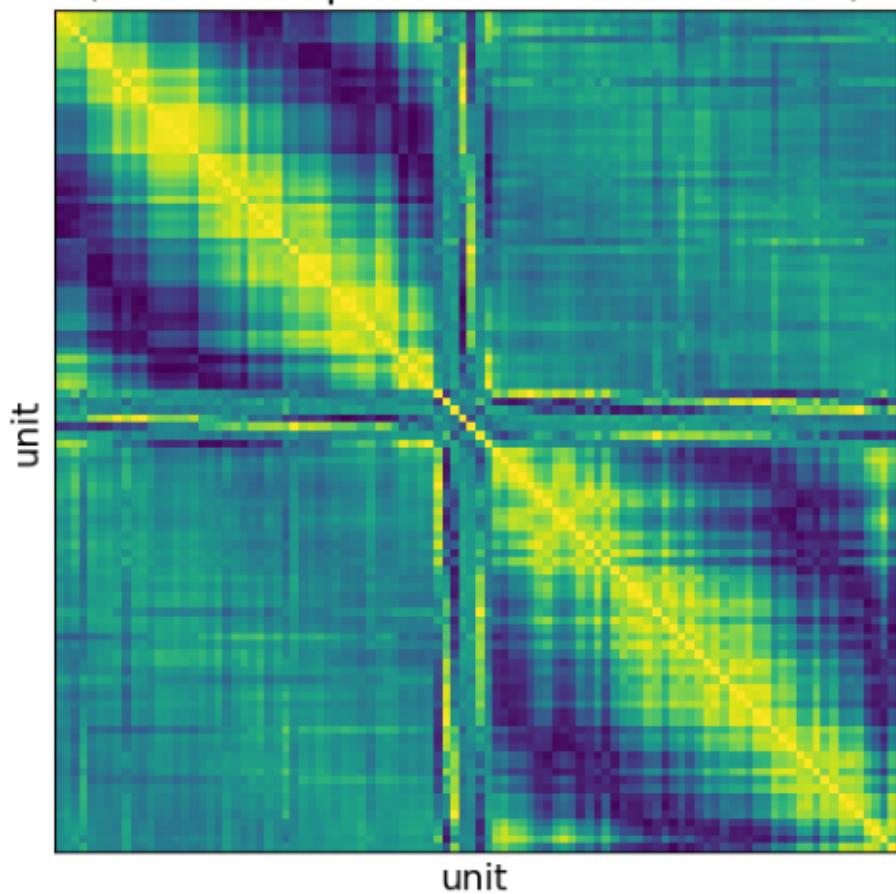
correlation of unit activities  
(before O1 presented to before go cue)



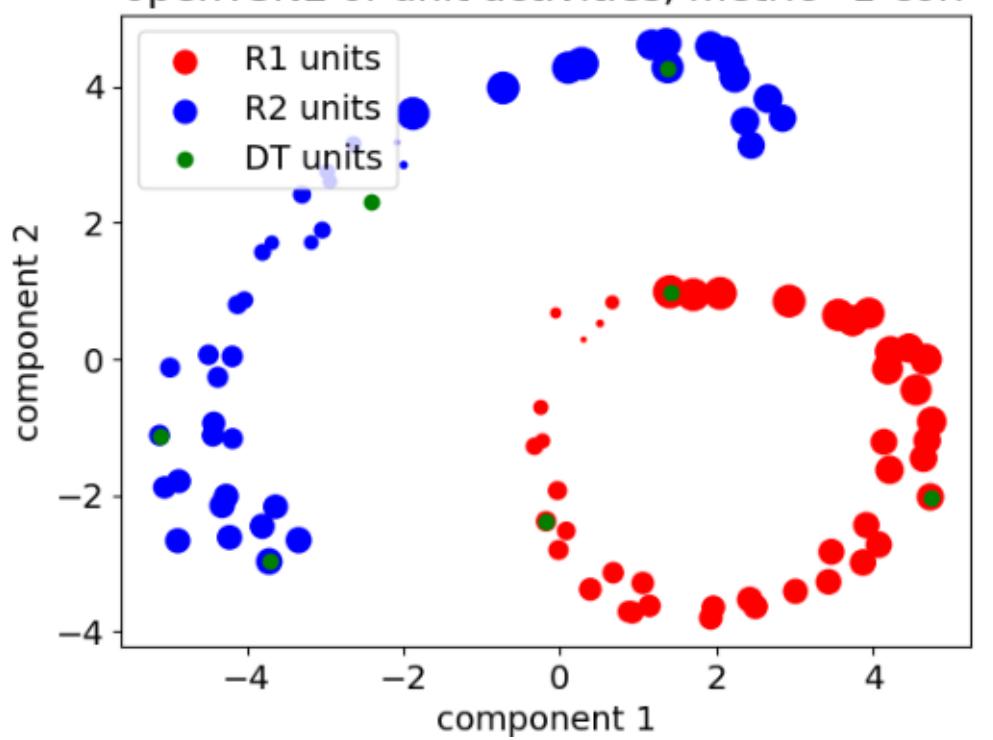
openTSNE of unit activities, metric=1-corr



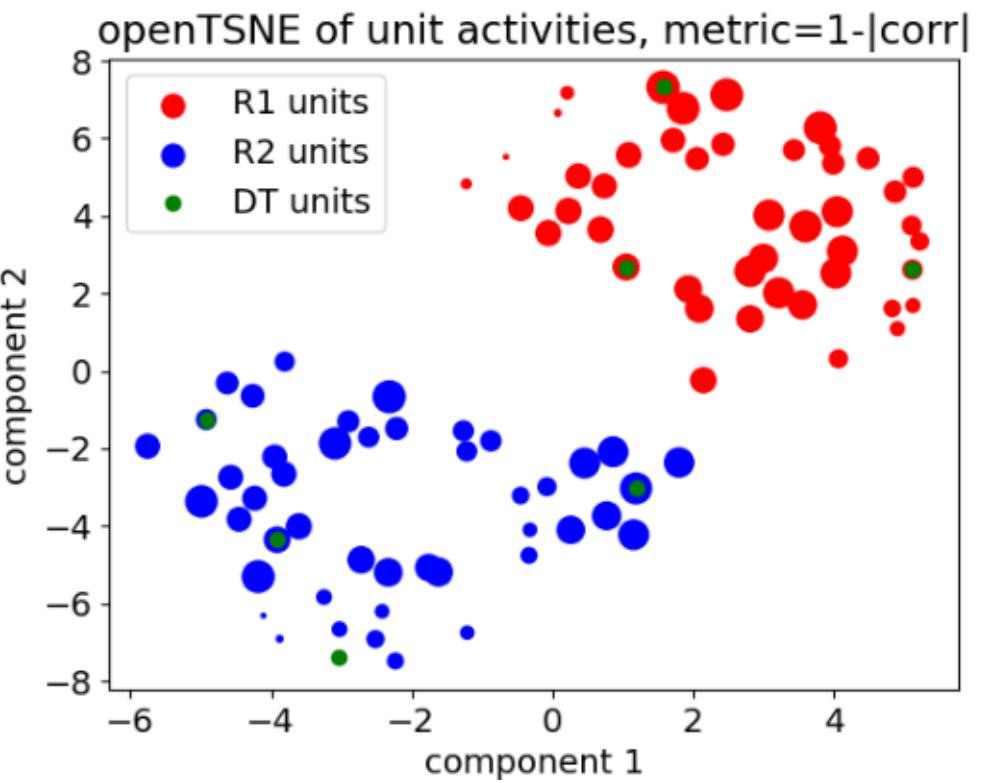
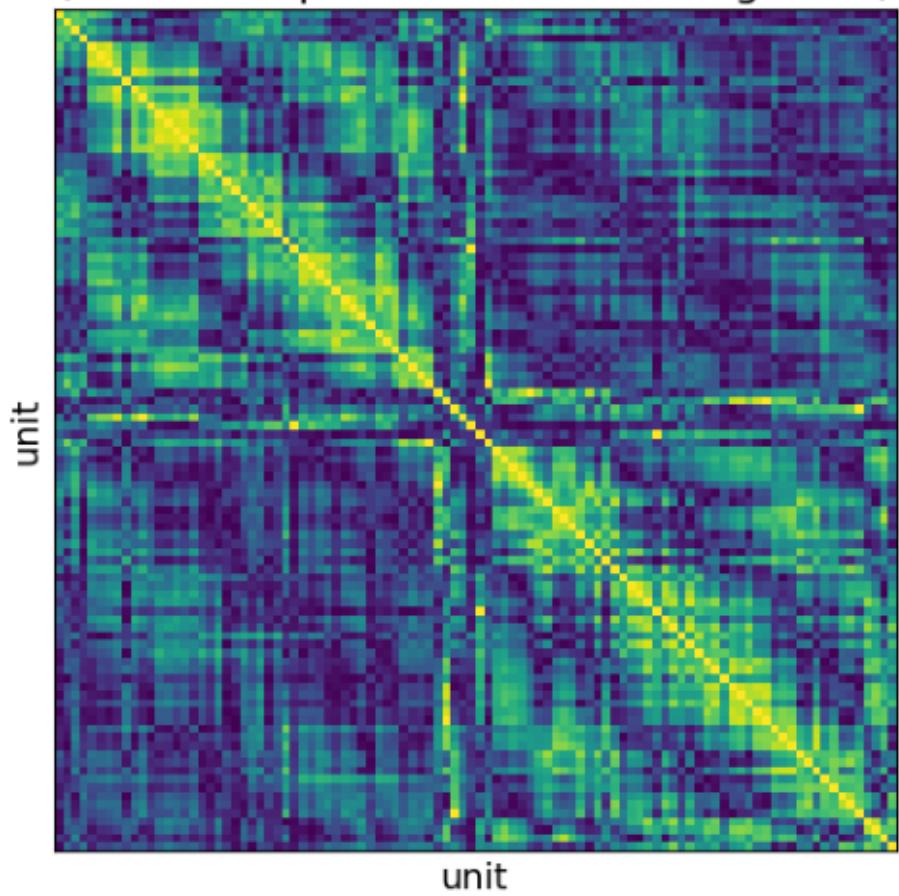
correlation of unit activities  
(before O2 presented to end of task)



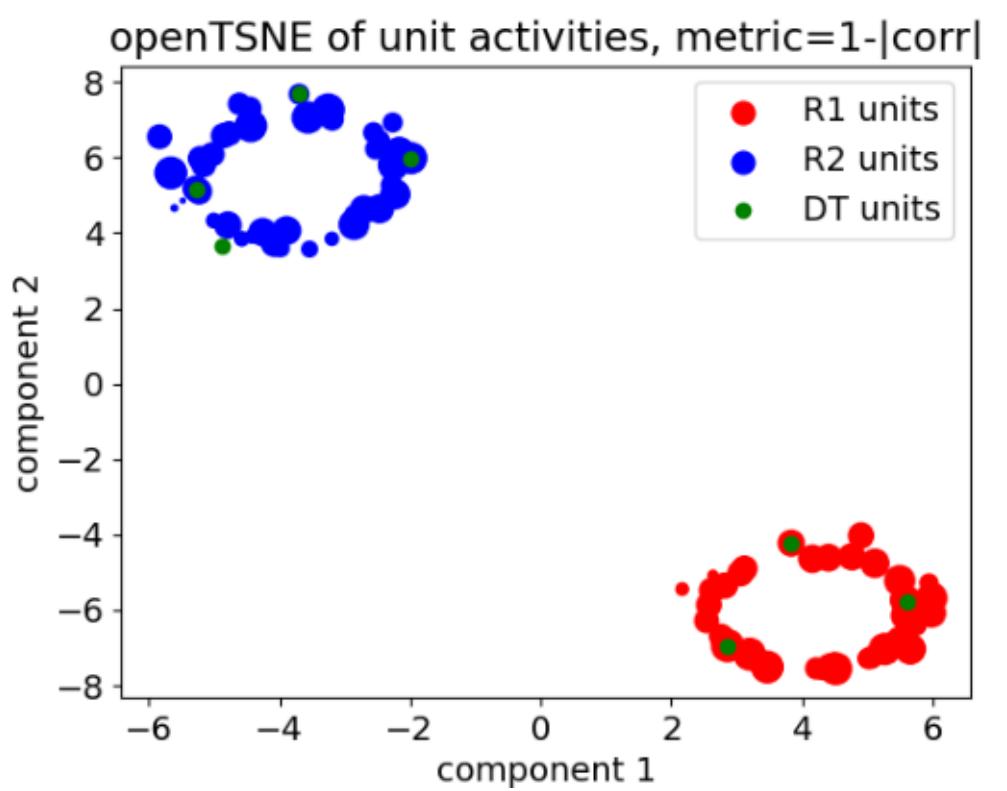
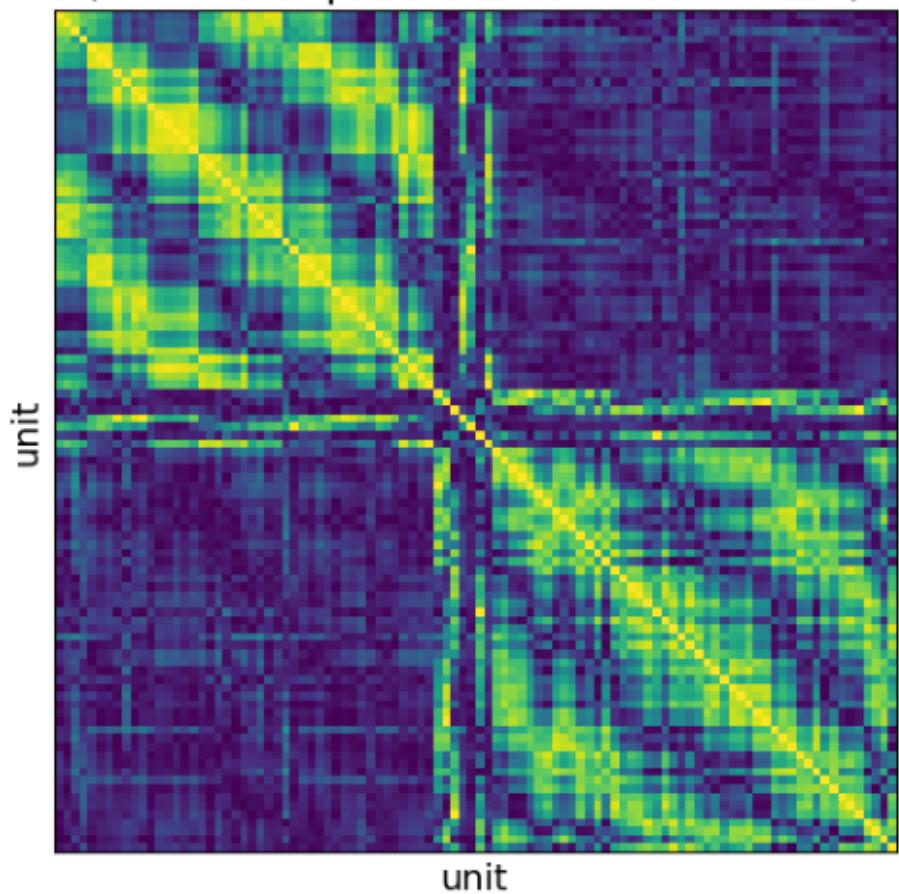
openTSNE of unit activities, metric=1-corr



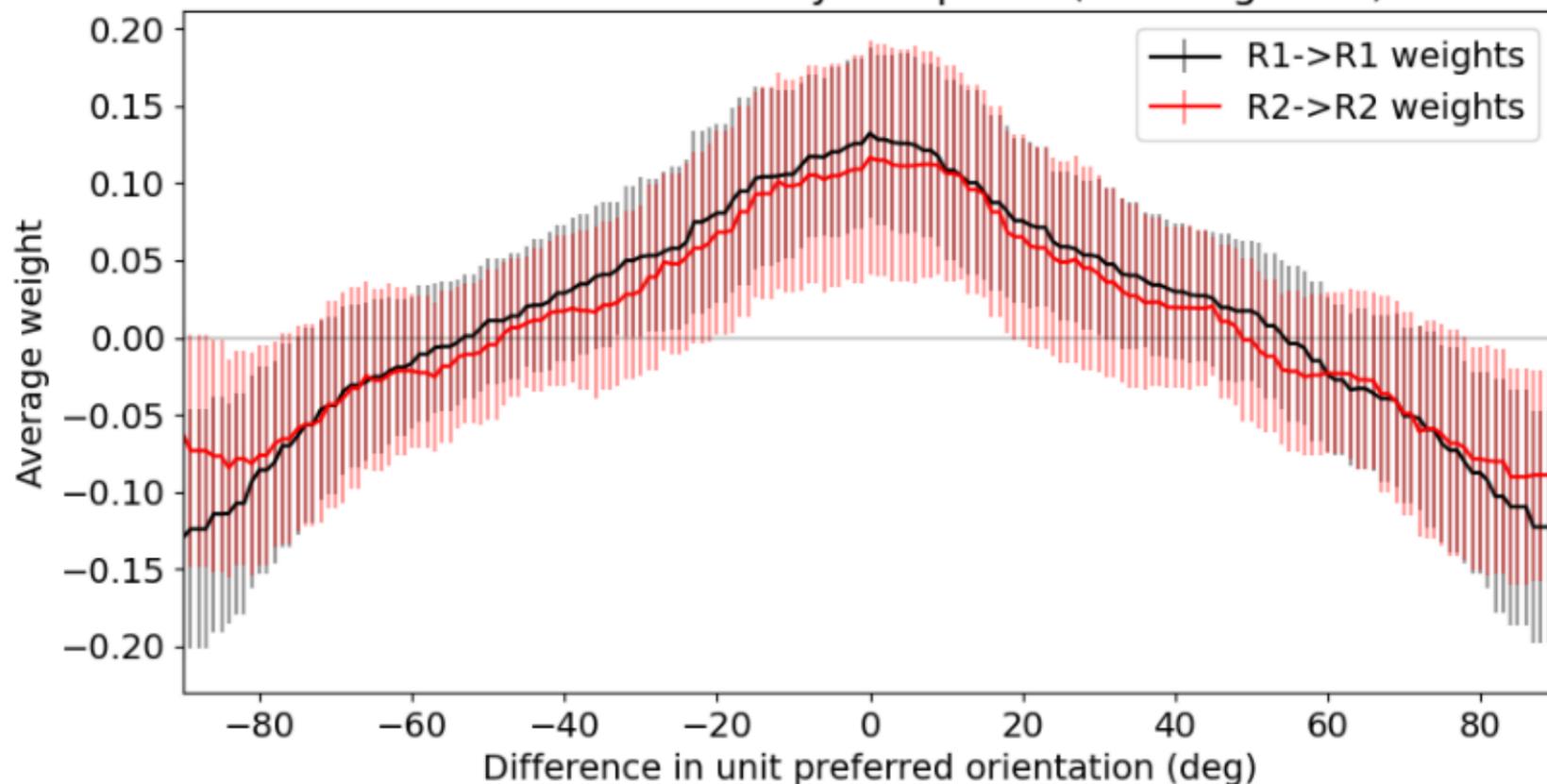
|correlation| of unit activities  
(before O1 presented to before go cue)

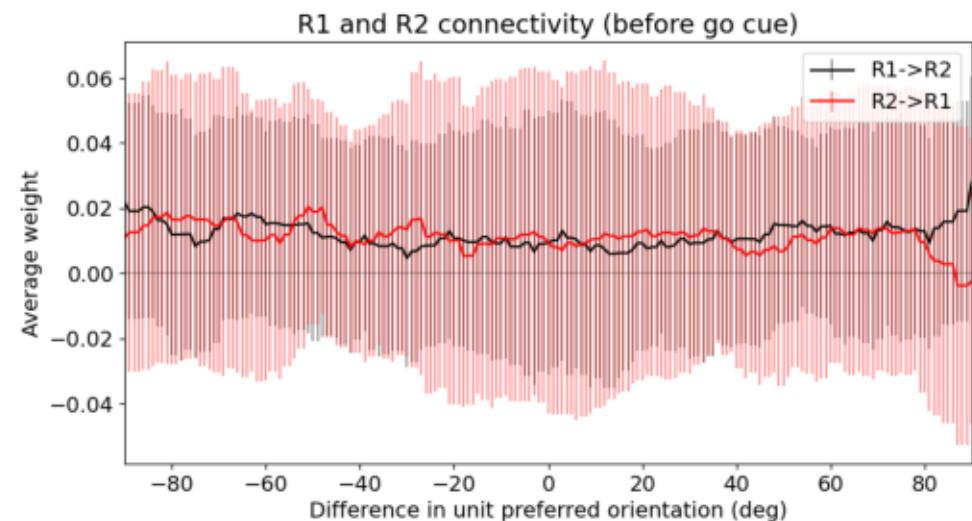
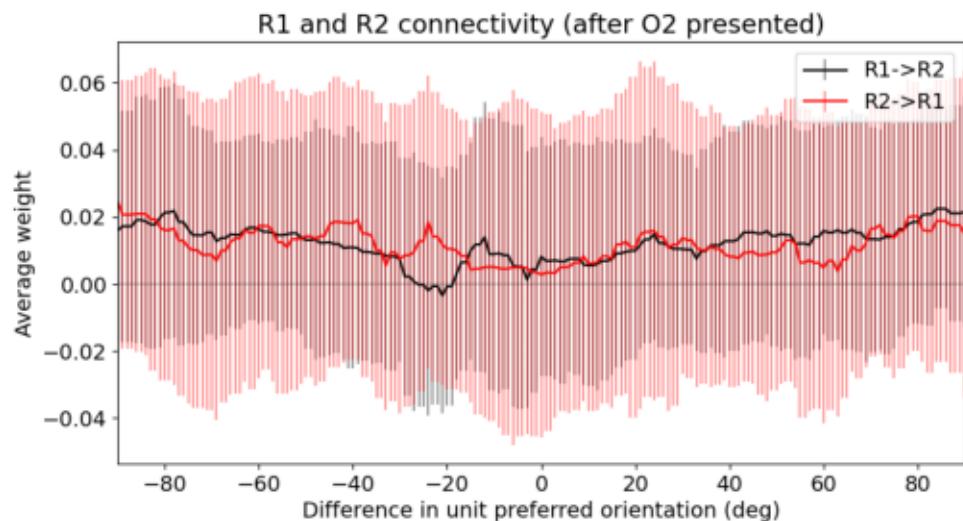
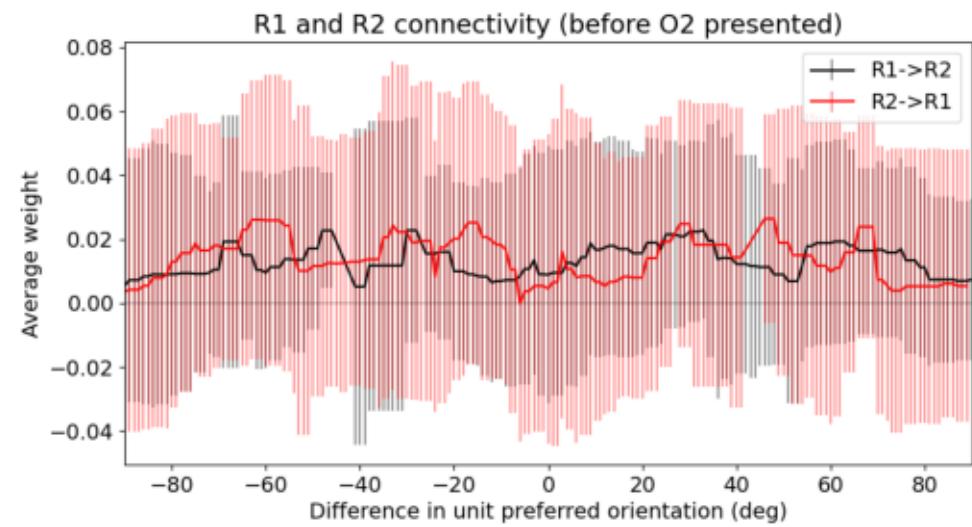
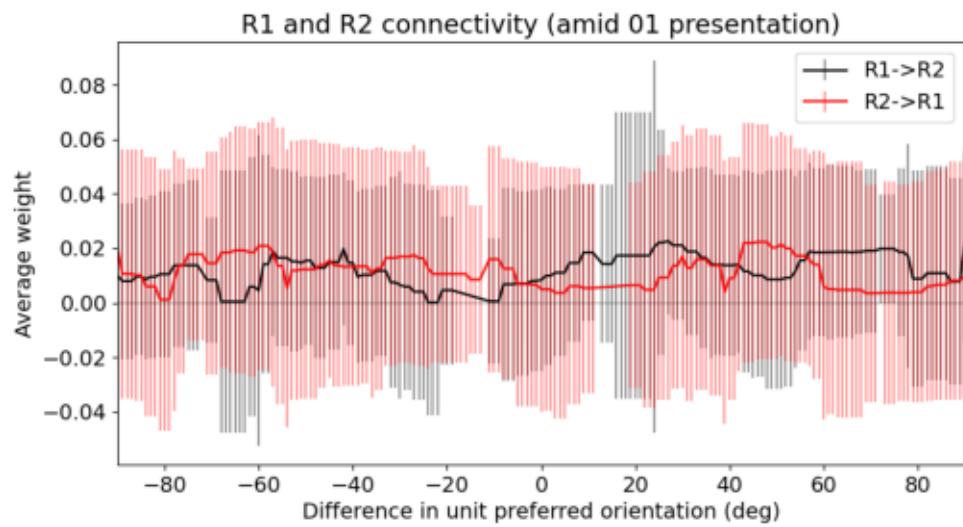


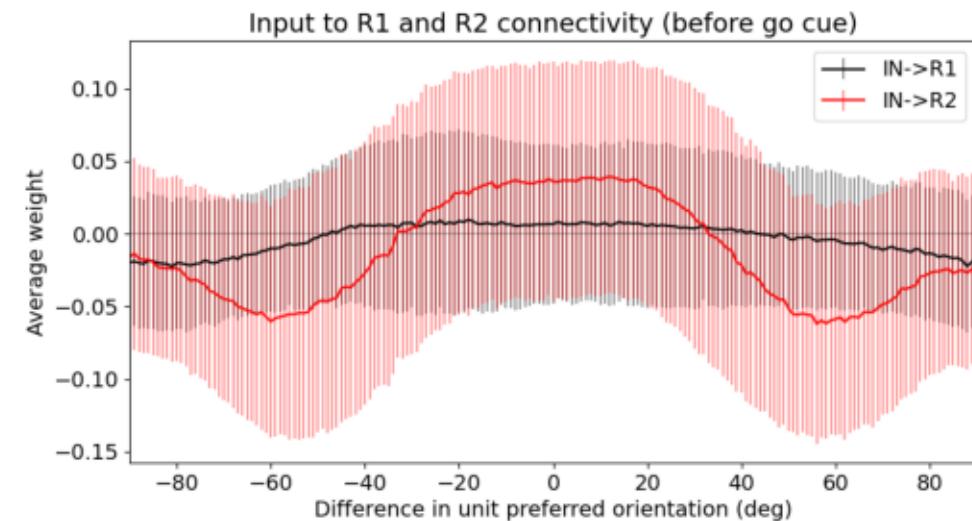
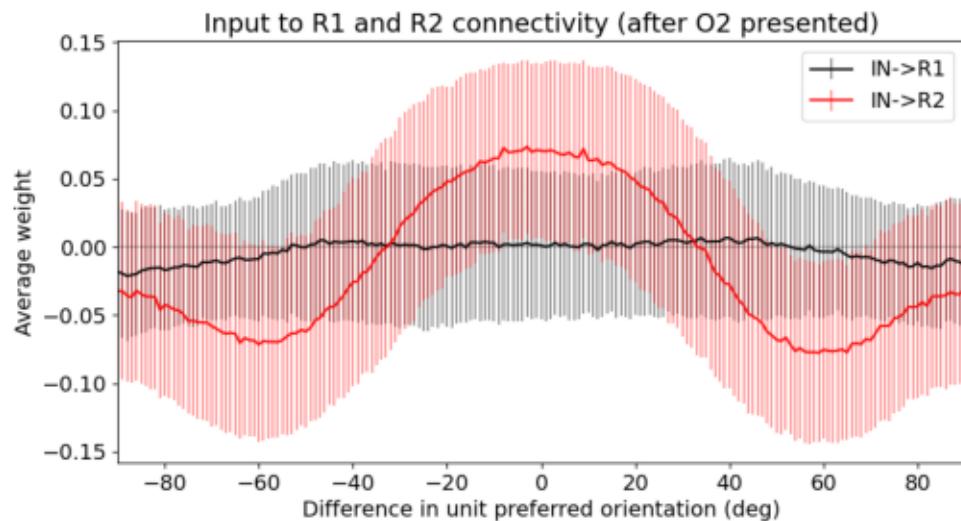
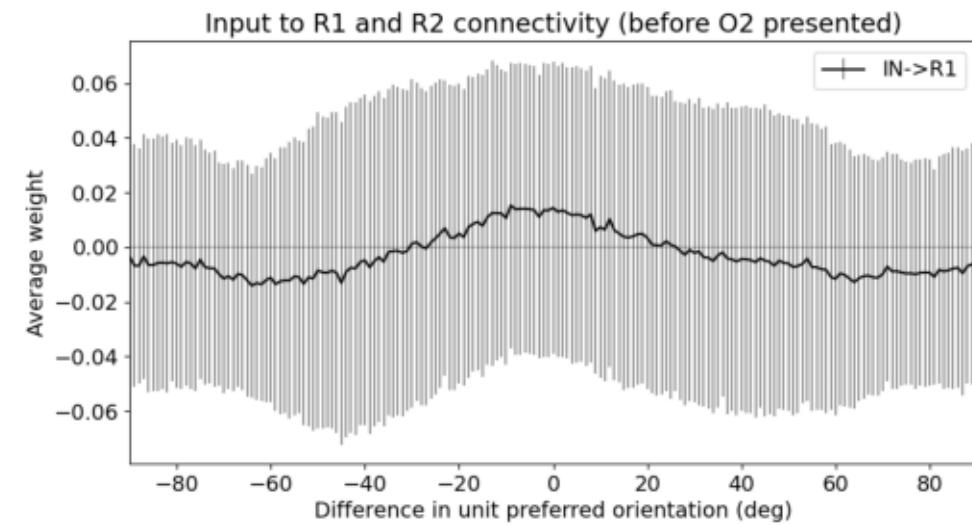
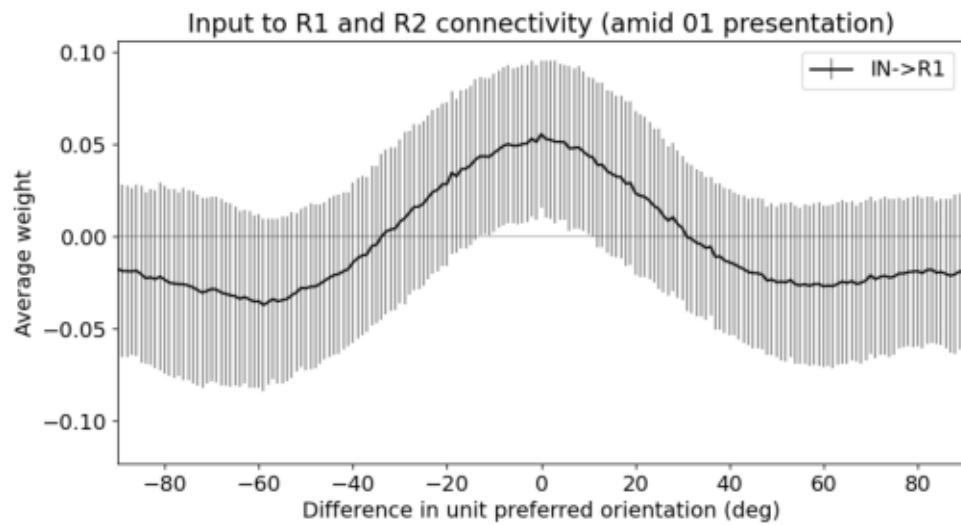
|correlation| of unit activities  
(before O2 presented to end of task)

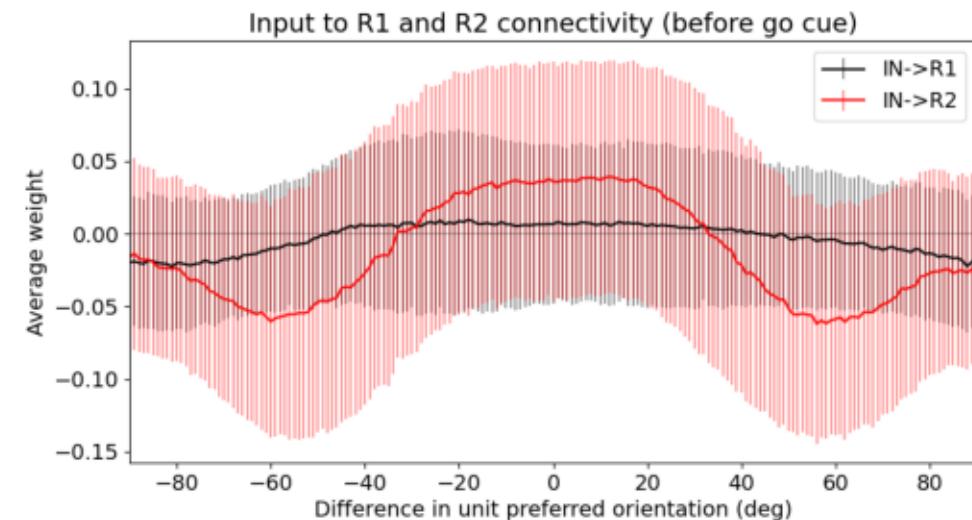
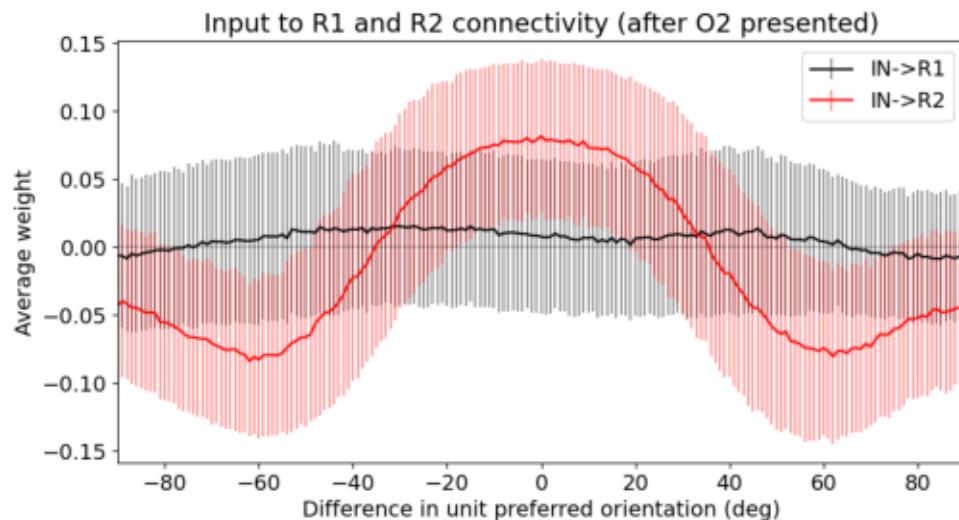
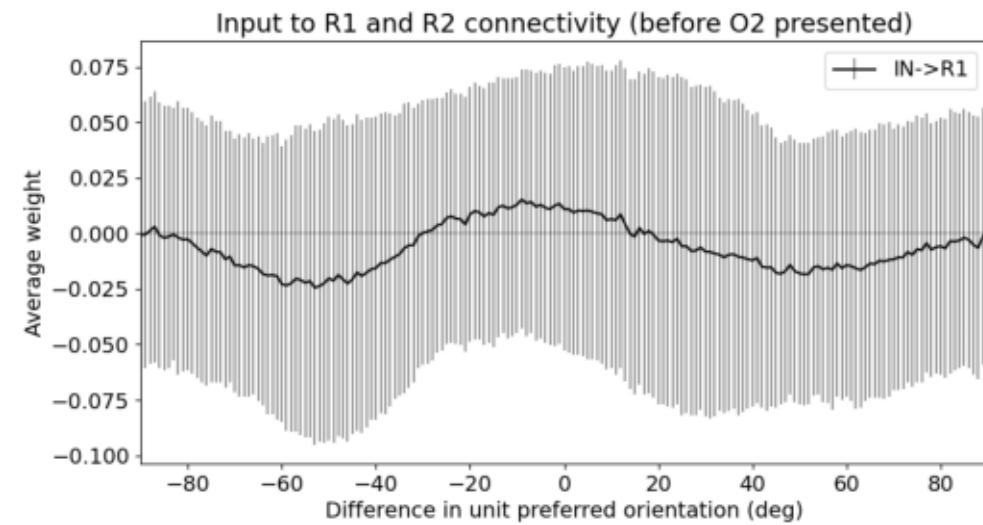
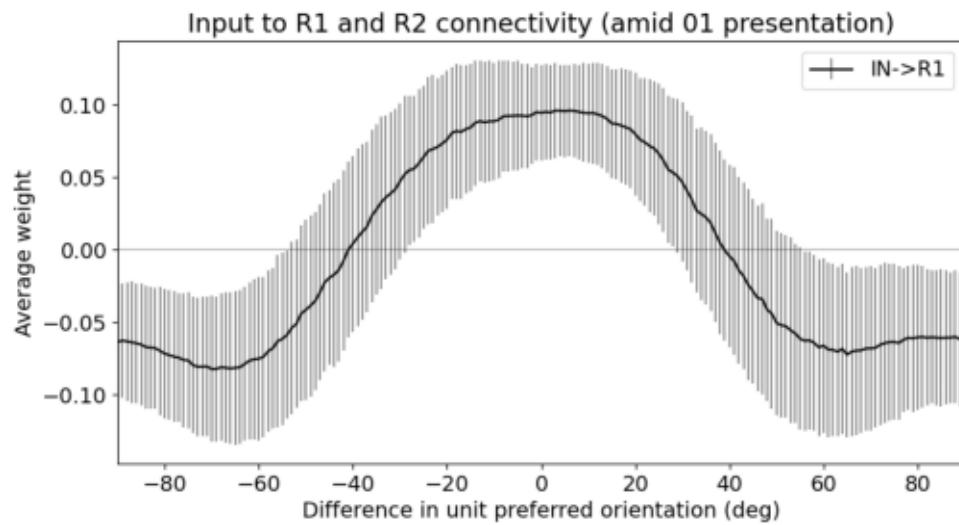


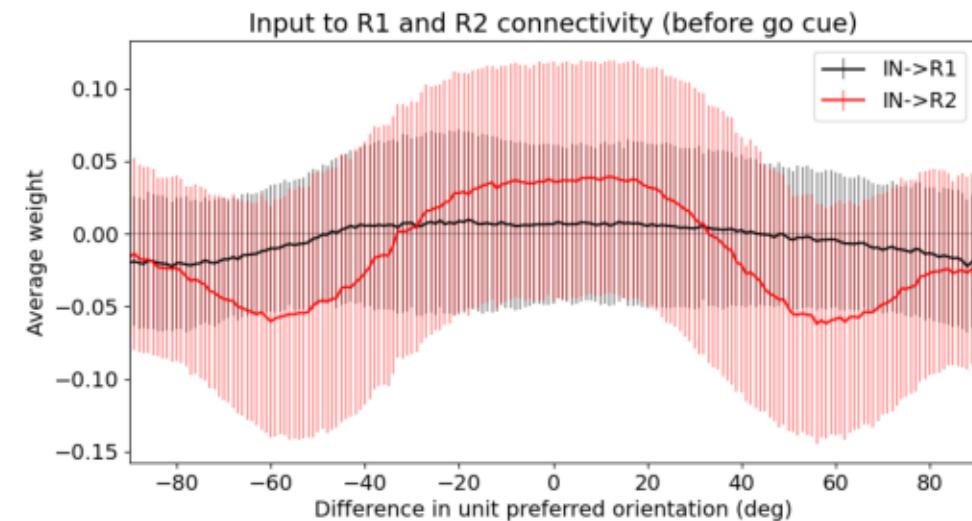
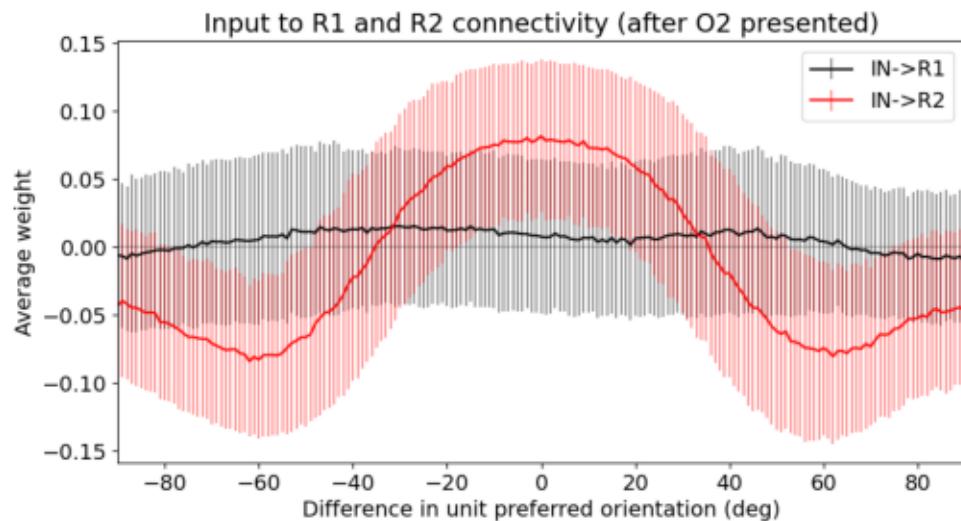
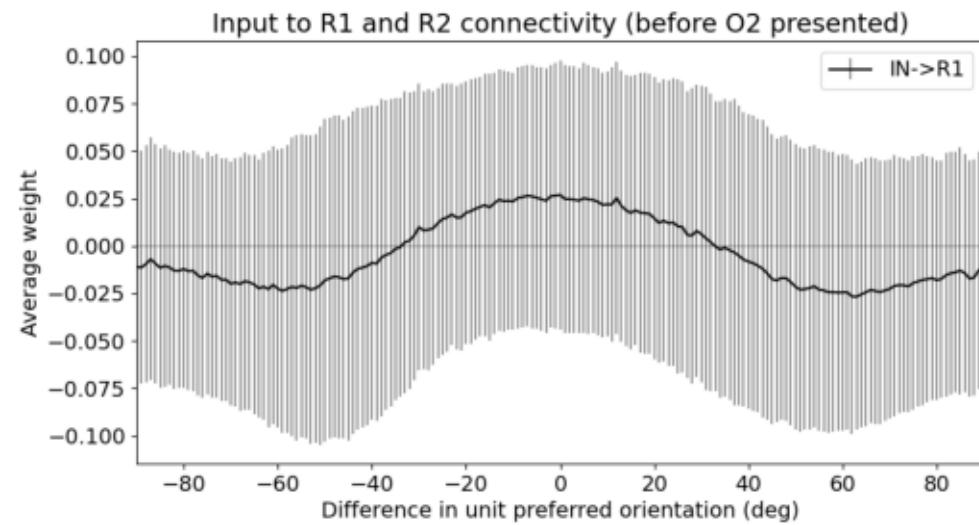
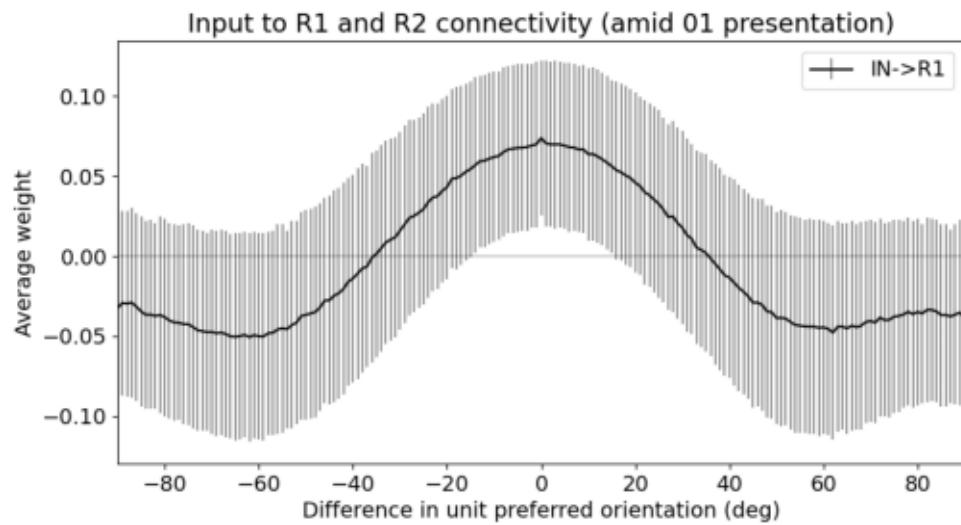
### R1 and R2 connectivity compared (before go cue)



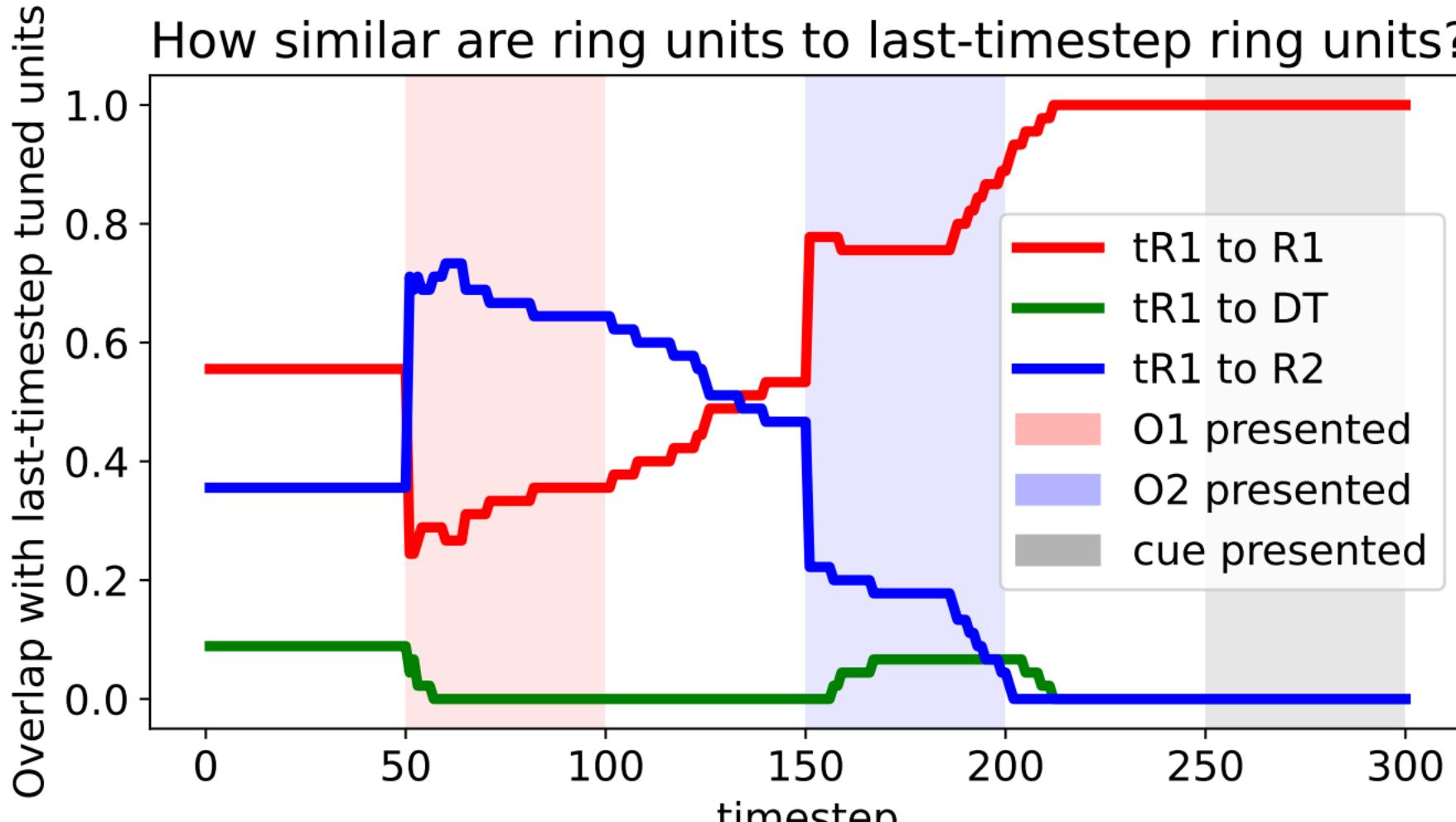




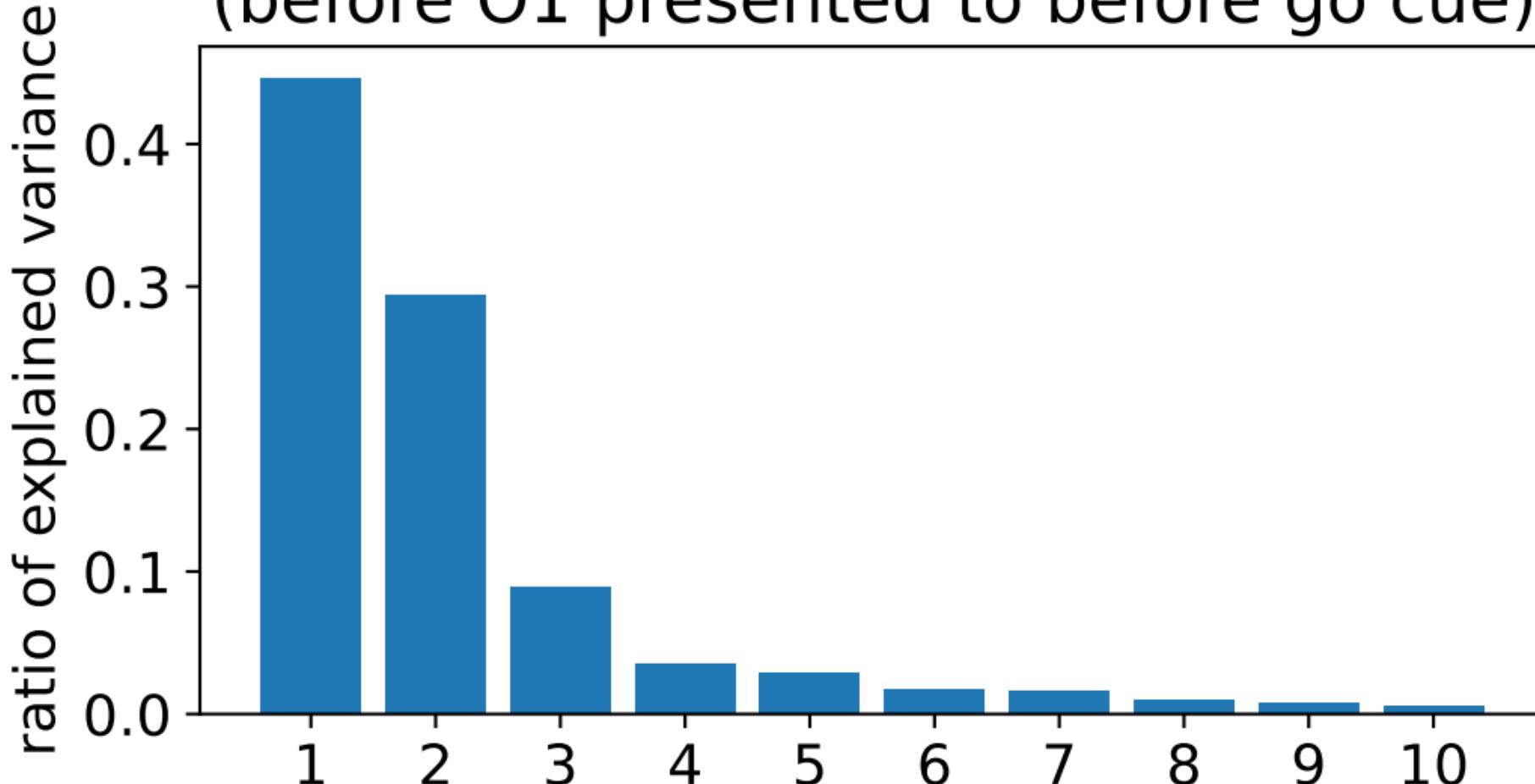




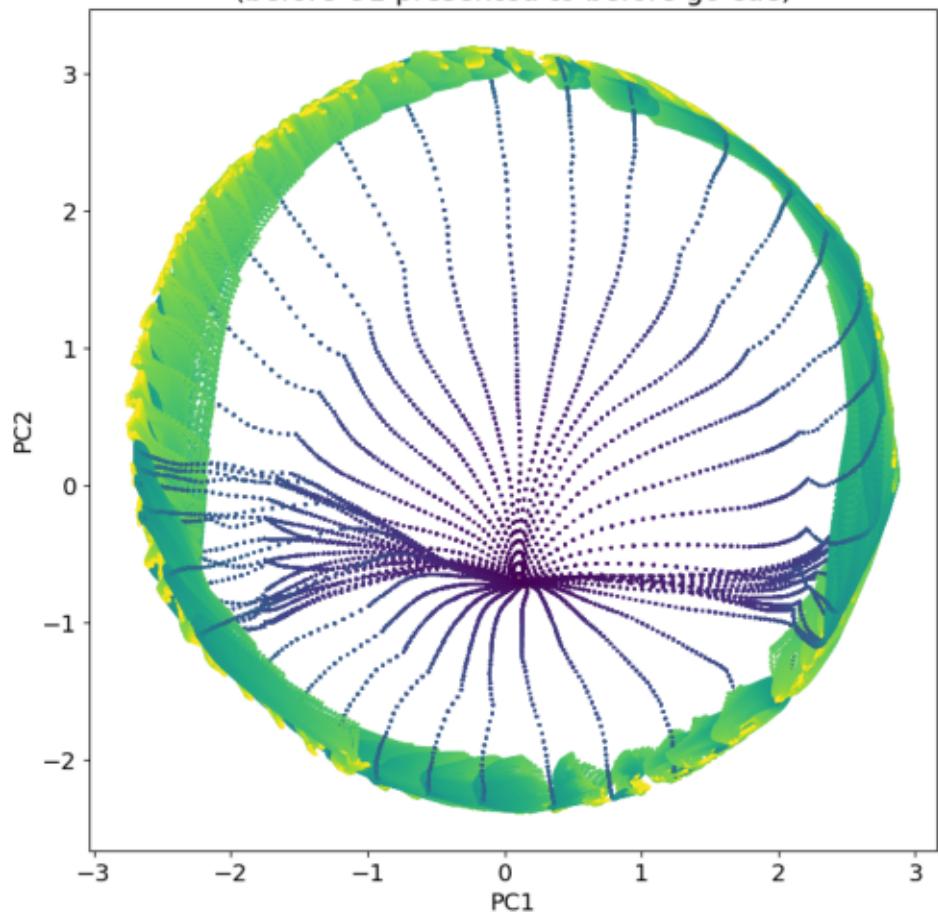
How similar are ring units to last-timestep ring units?



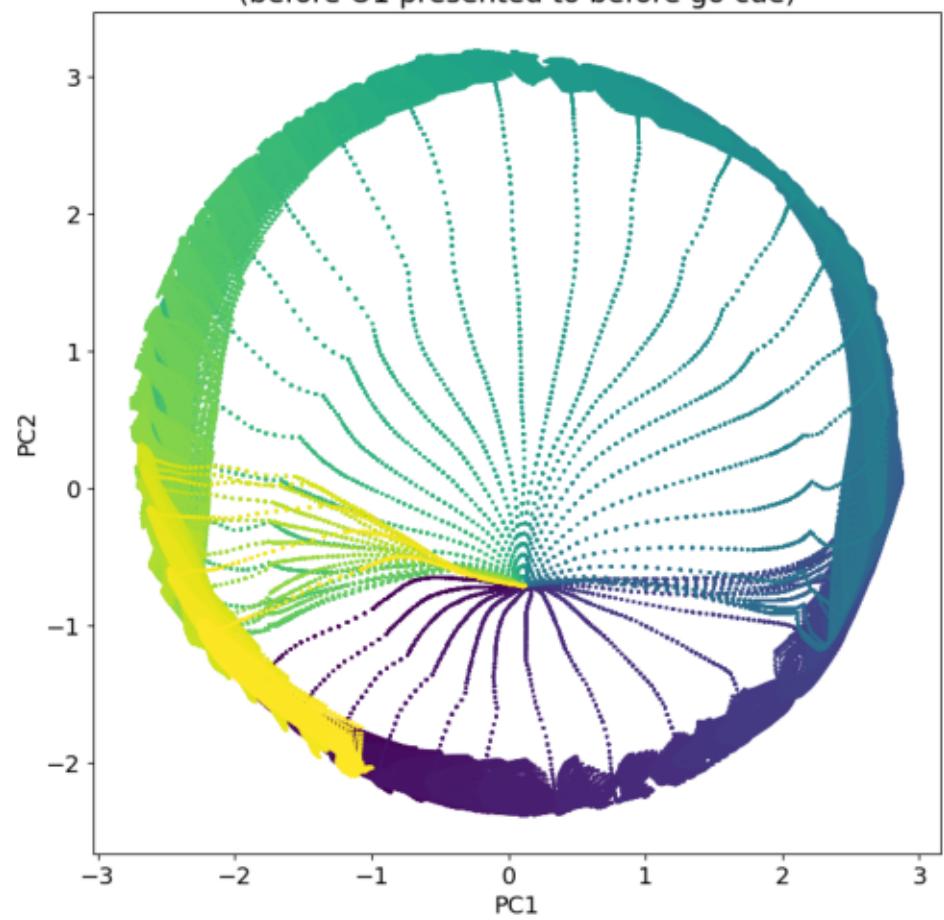
# Explained variance in PLE activity by PFC (before O1 presented to before go cue)



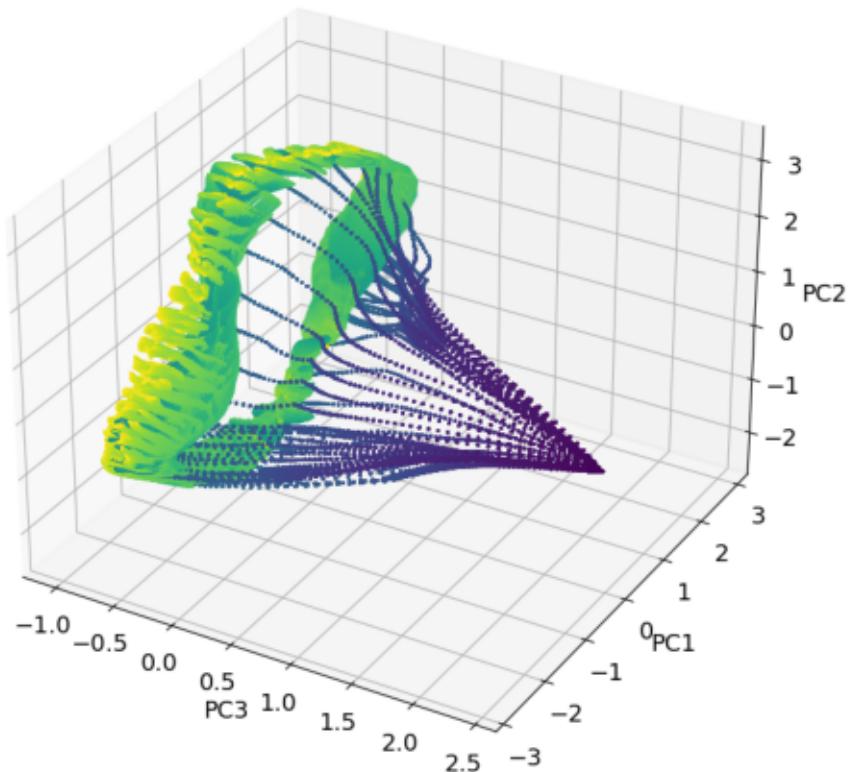
PCA on R1 activity, colored by timestep  
(before O1 presented to before go cue)



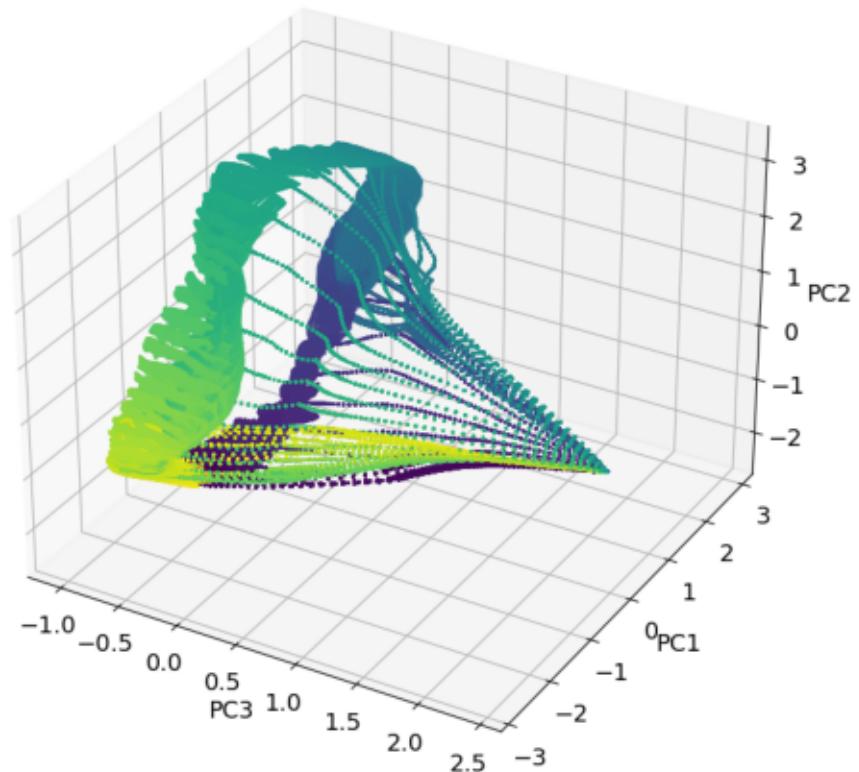
PCA on R1 activity, colored by orientation1  
(before O1 presented to before go cue)



PCA on R1 activity, colored by timestep  
(before O1 presented to before go cue)



PCA on R1 activity, colored by orientation1  
(before O1 presented to before go cue)



a  
b  
c

