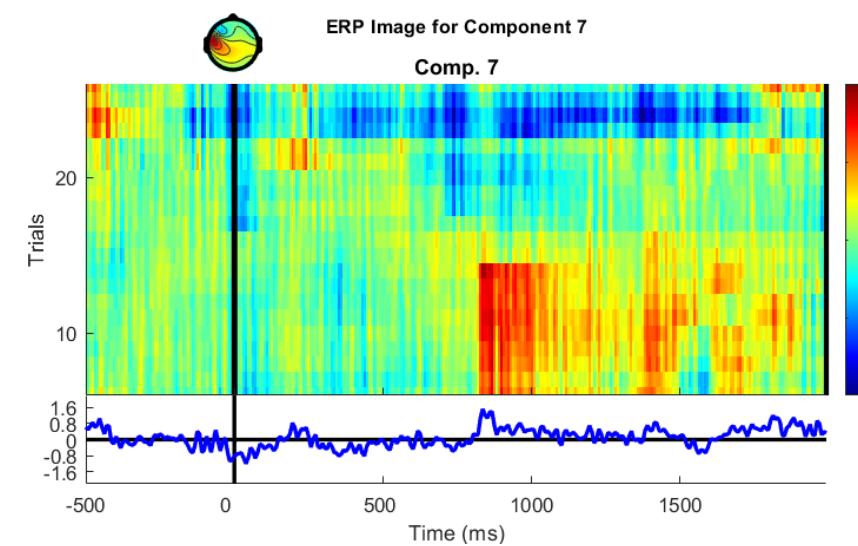
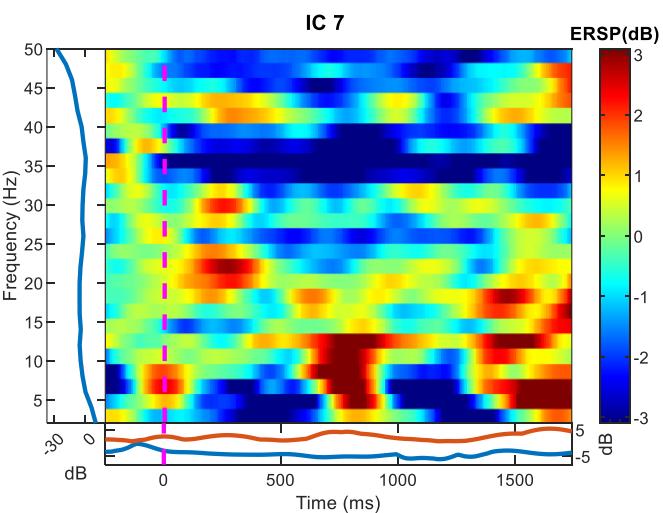


109

109\_1\_1

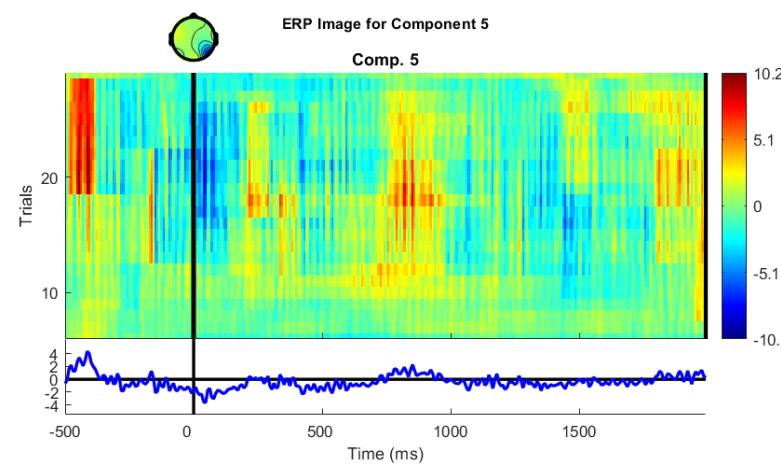
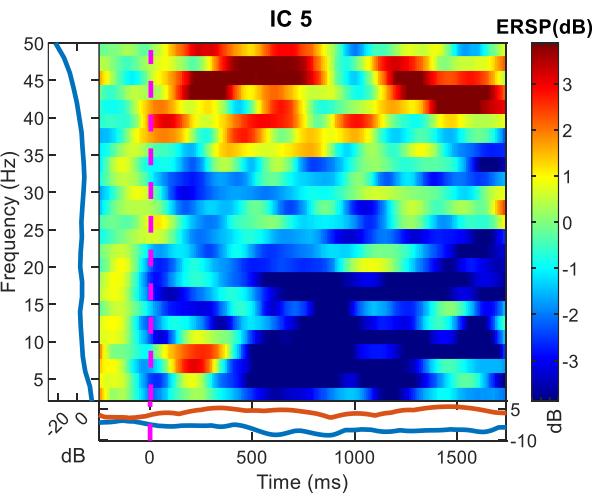
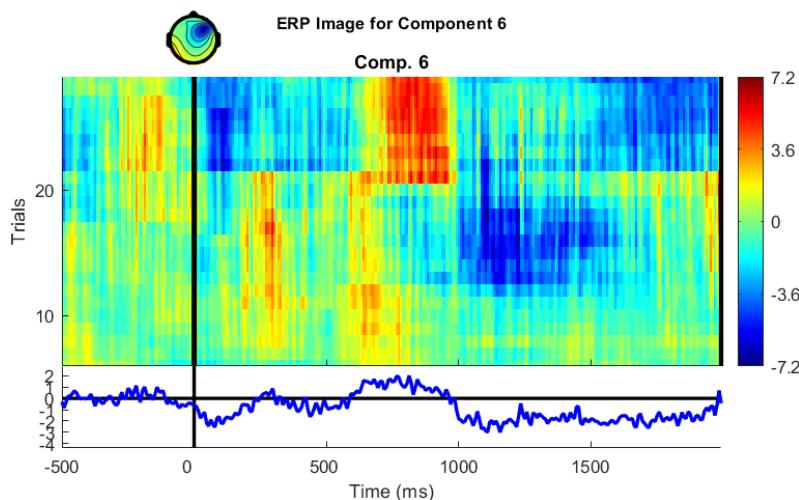
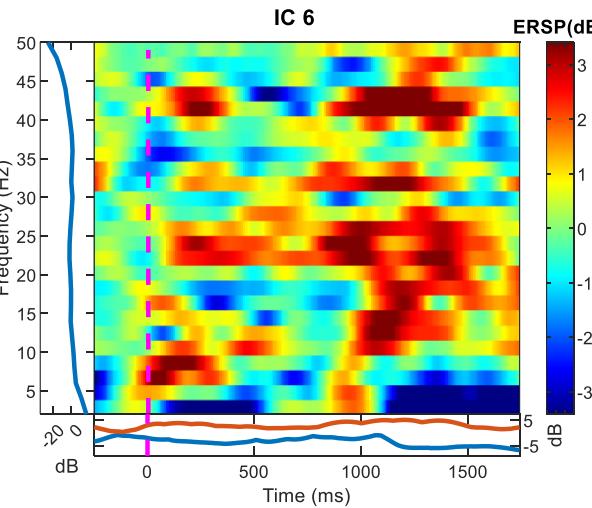
Frontal FC5		
Time	+800ms	
Theta	increase	
Alpha	increase	



109\_1\_2

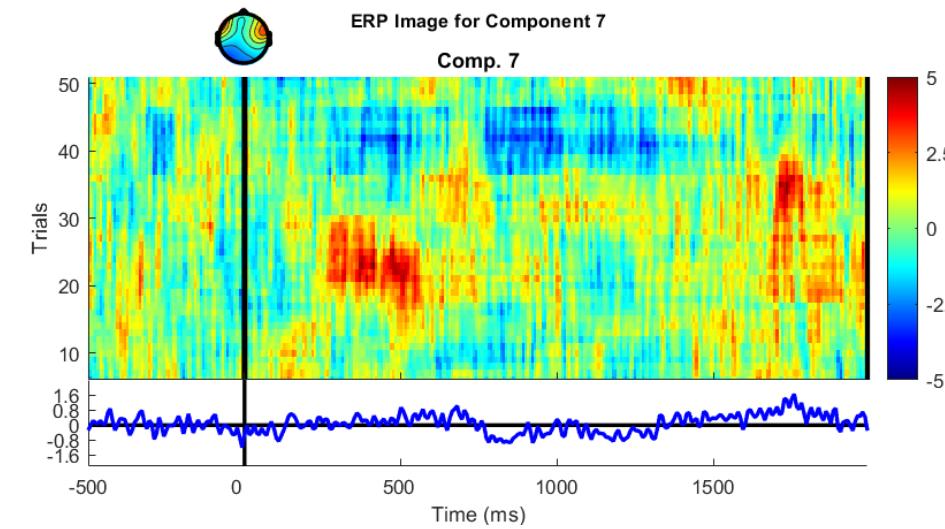
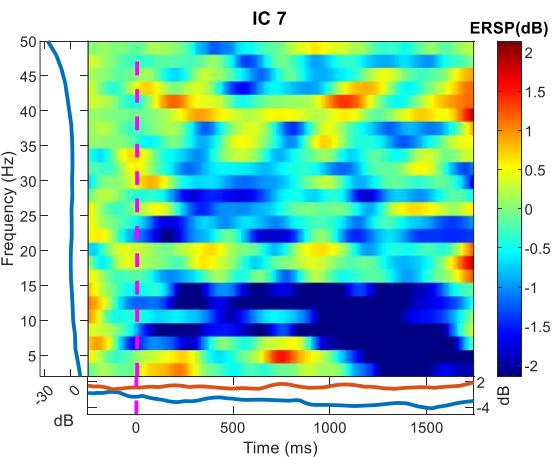
Frontal F4		
Time	+600ms	
Theta	increase	
Alpha	increase	

Parietal P8		
Time	+400ms	
Theta	increase	
Alpha	increase	



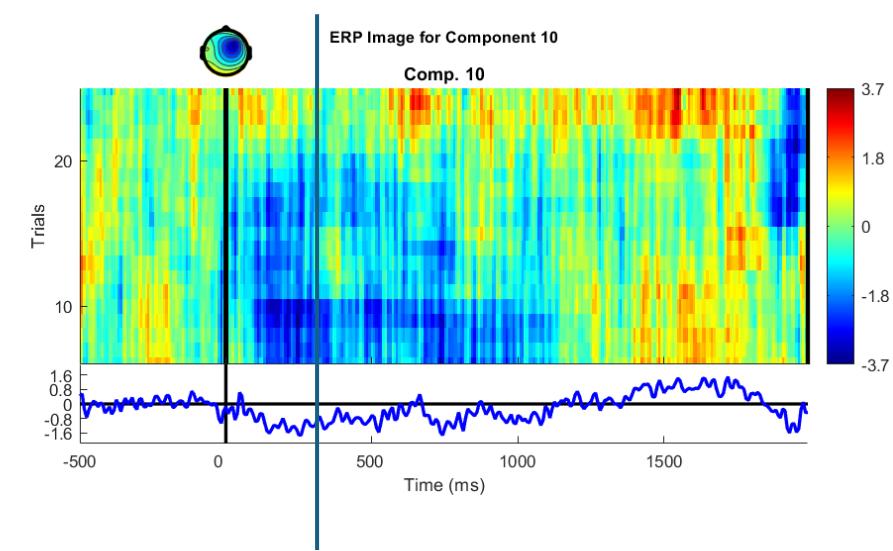
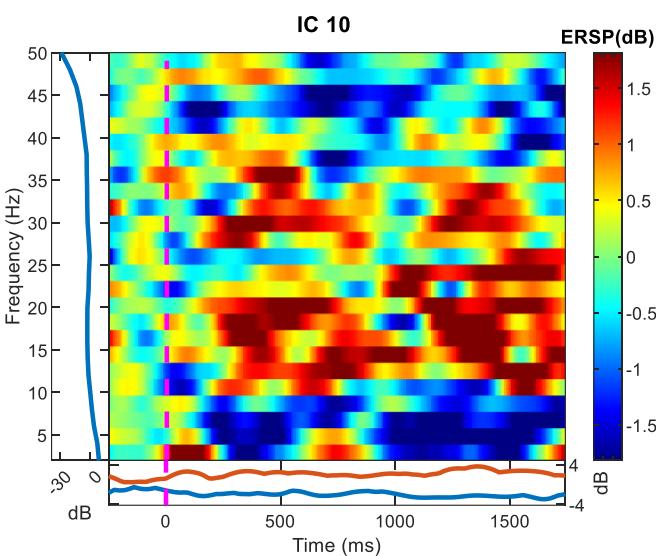
# 109\_1\_3

Frontal F8		
Time	+300ms	
Theta	increase	
Alpha	increase	



# 109\_2\_1

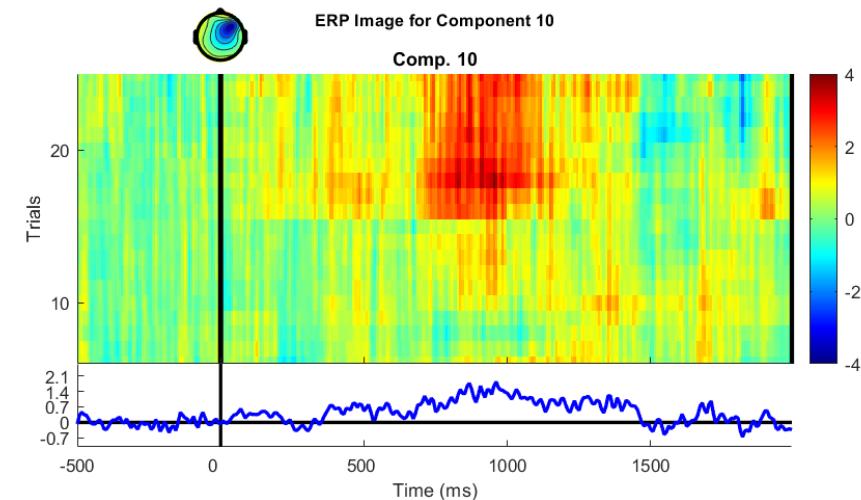
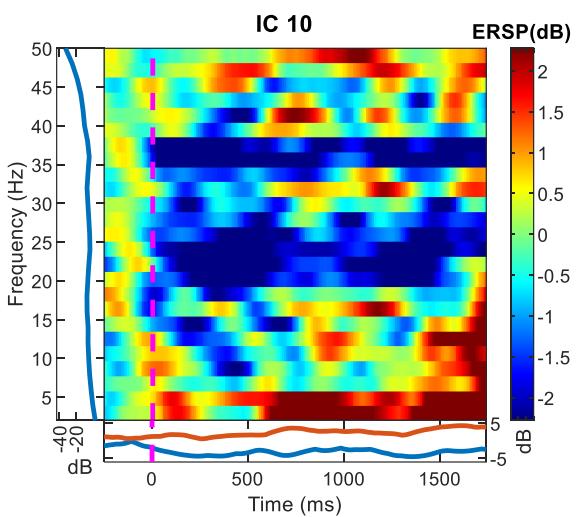
Frontal F4		
Time	+300ms	
Theta	increase	
Alpha	increase	



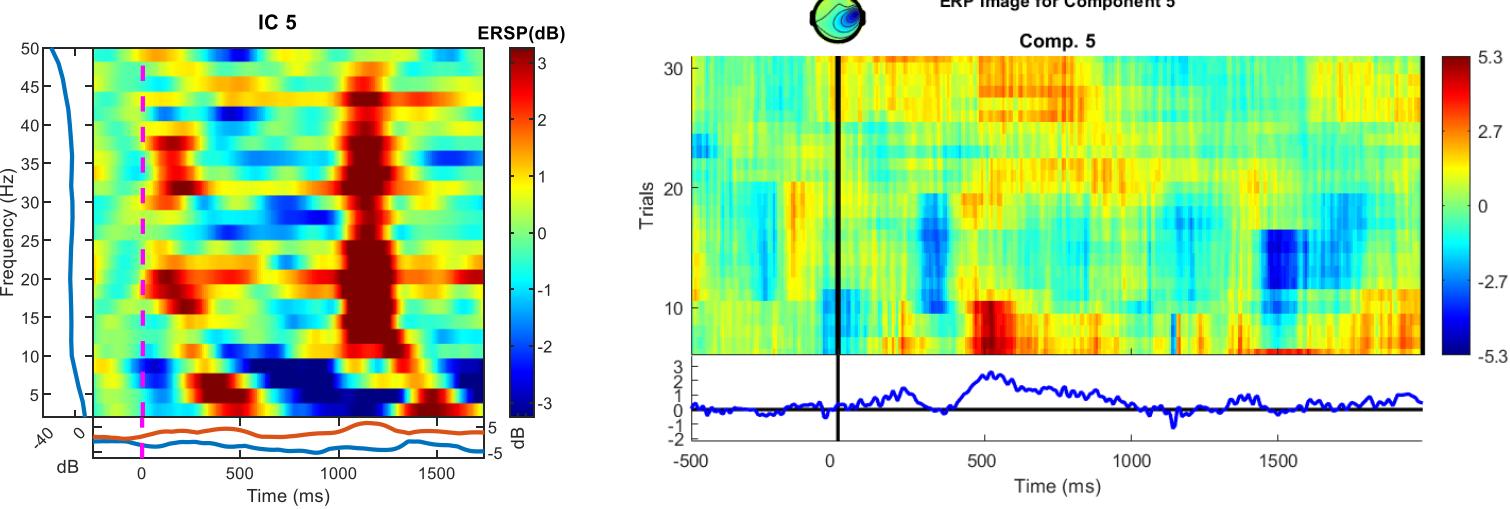
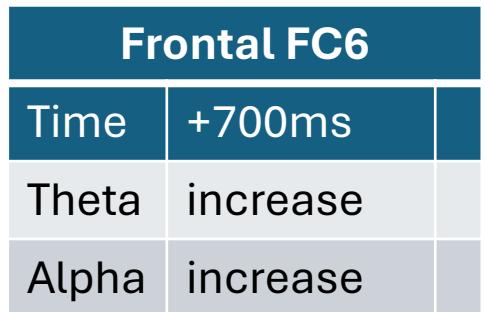
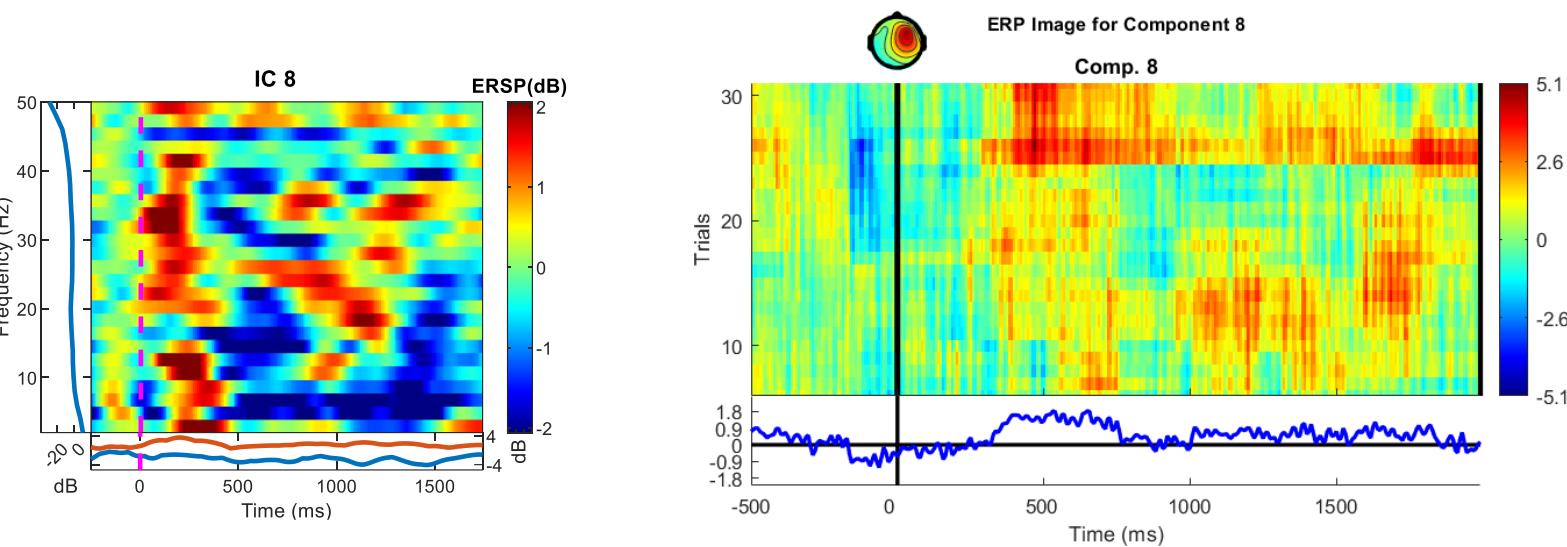
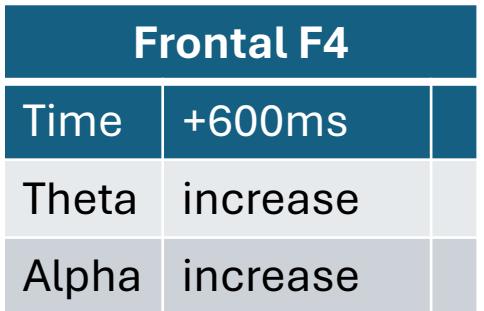
# 109\_2\_2

Frontal F4		
Time	+750ms	
Theta	increase	
Alpha	decrease	

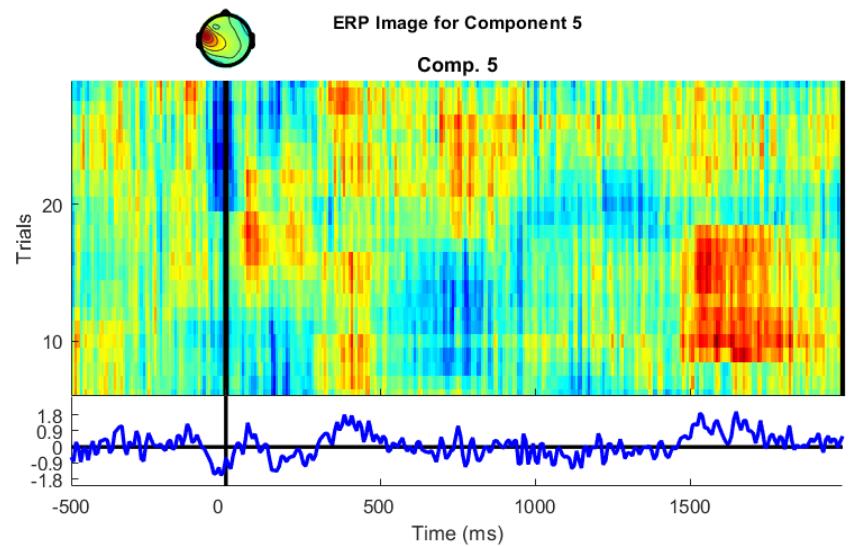
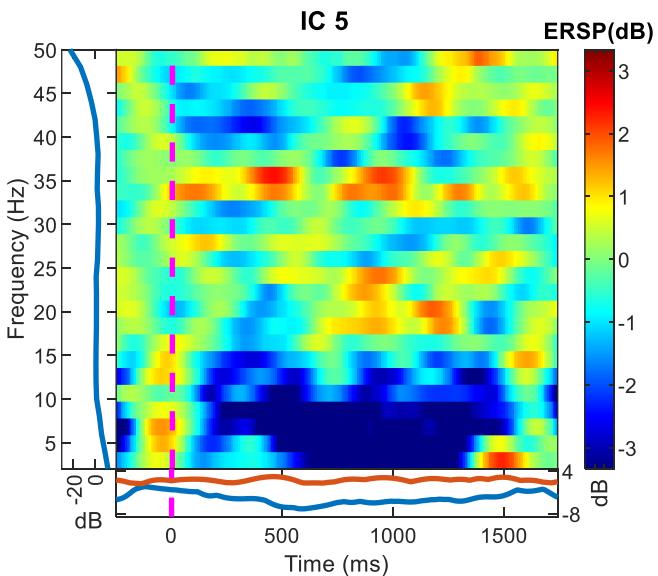
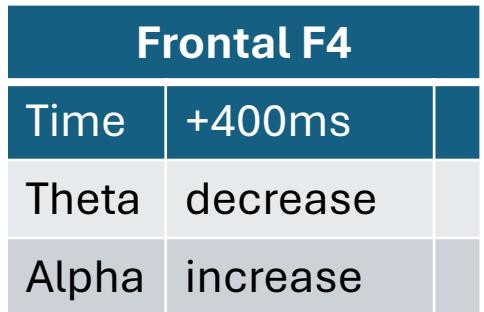
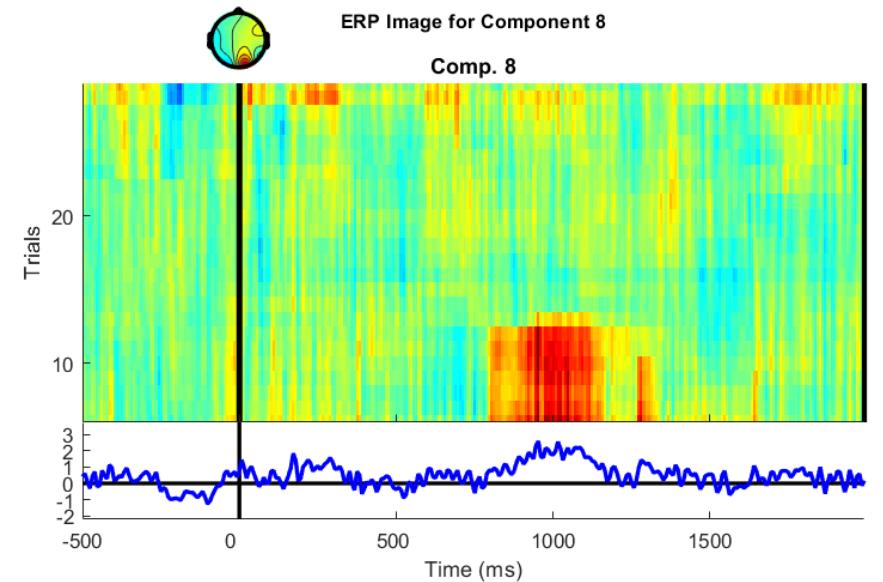
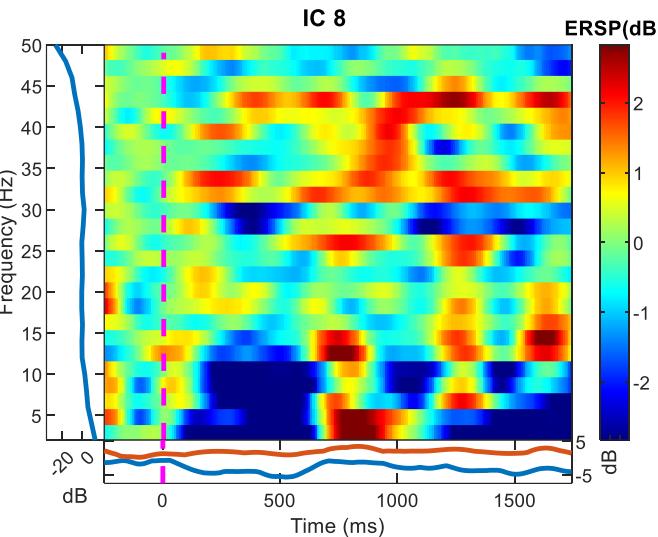
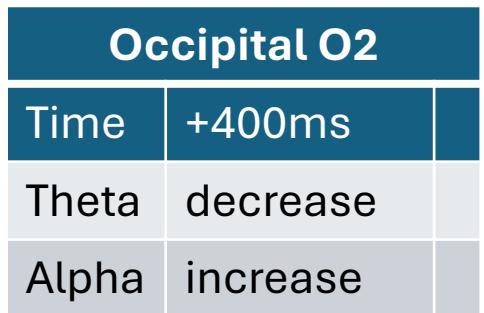
!!



# 109\_2\_3

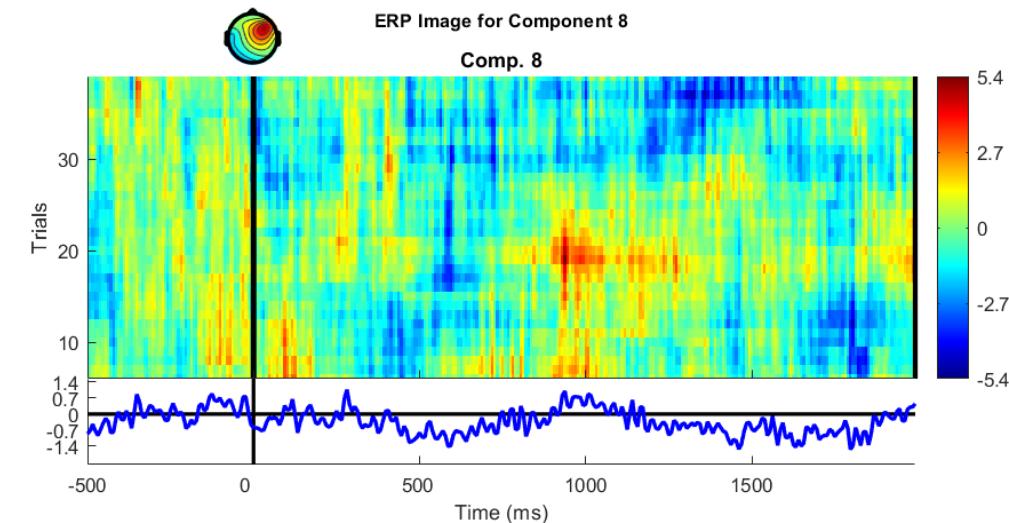
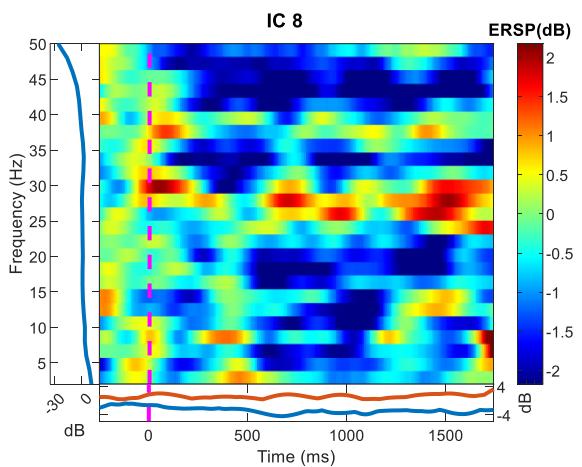


# 109\_3\_1



# 109\_3\_2

Frontal F4		
Time	+1000ms	
Theta	decrease	
Alpha	decrease	



# 109\_3\_3

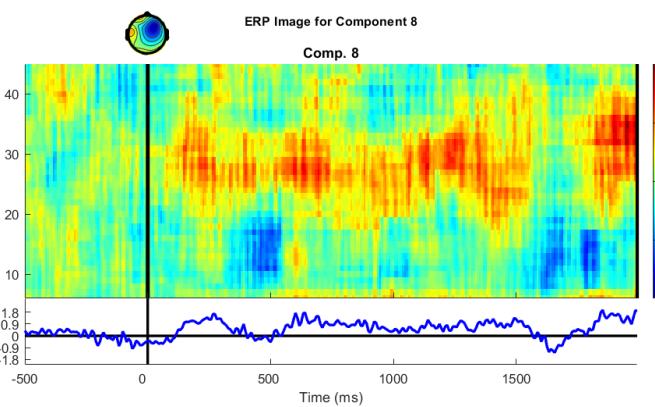
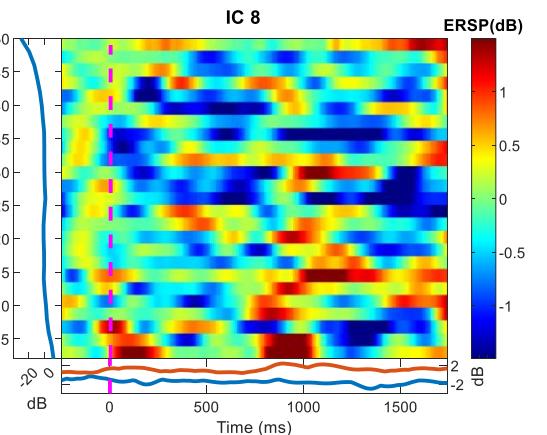
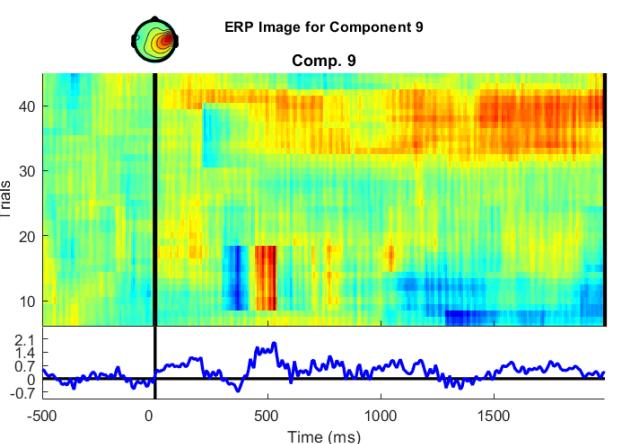
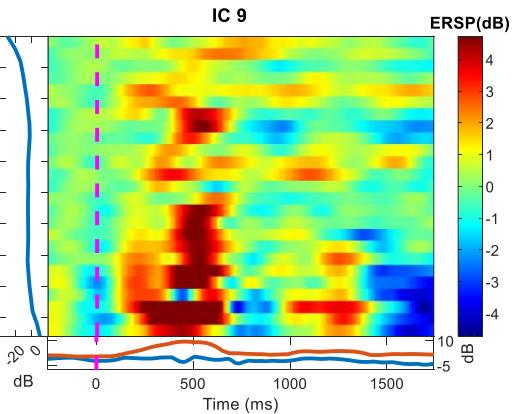
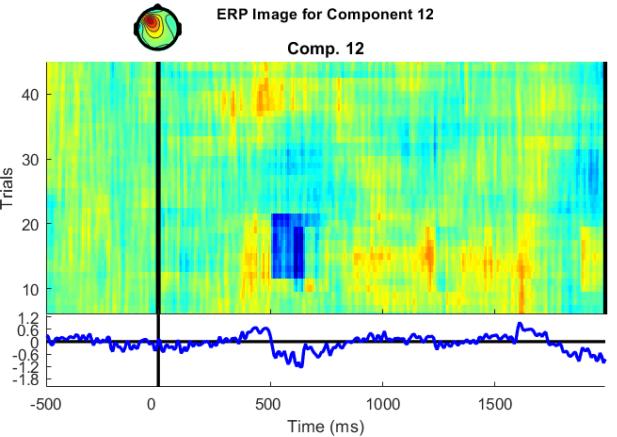
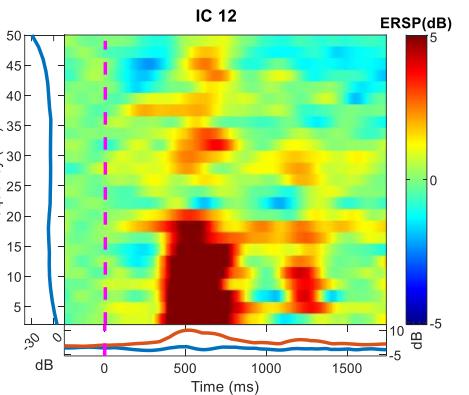
Frontal F3		
Time	+600ms	
Theta	decrease	
Alpha	increase	

!!

Frontal FC6		
Time	+450ms	
Theta	decrease	
Alpha	increase	

!!

Frontal F4		
Time	+450ms	
Theta	decrease	
Alpha	increase	



109\_4\_1

### Occipital O1

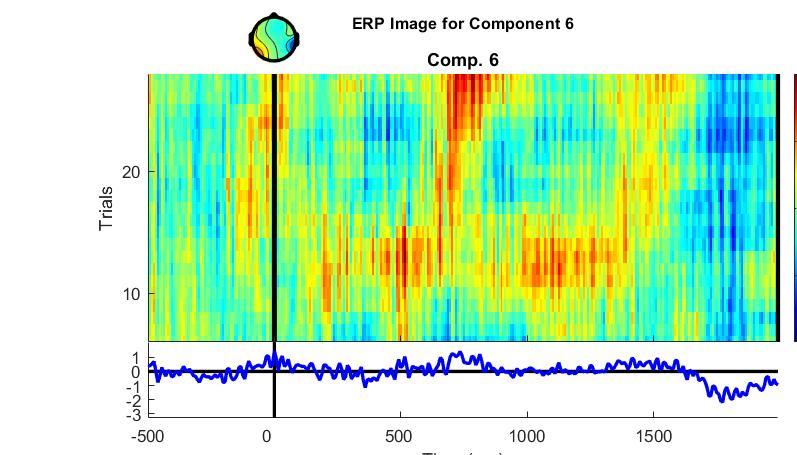
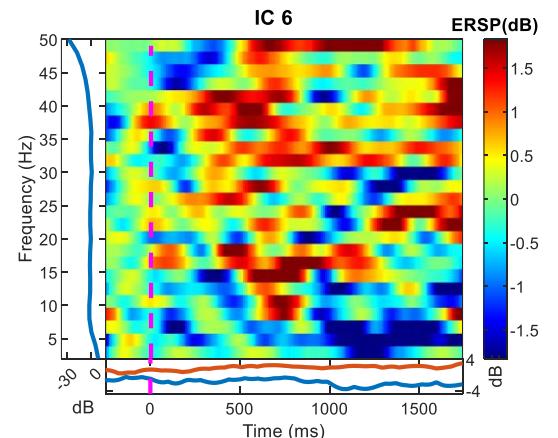
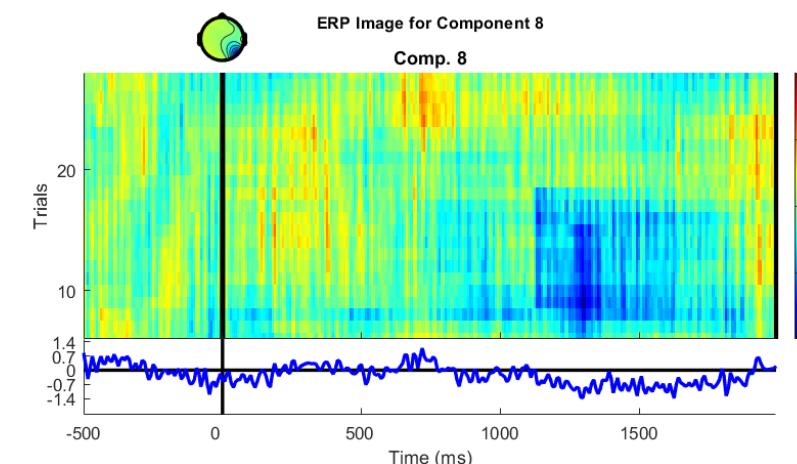
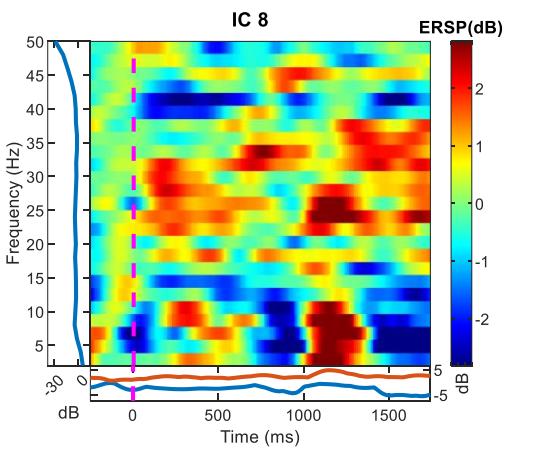
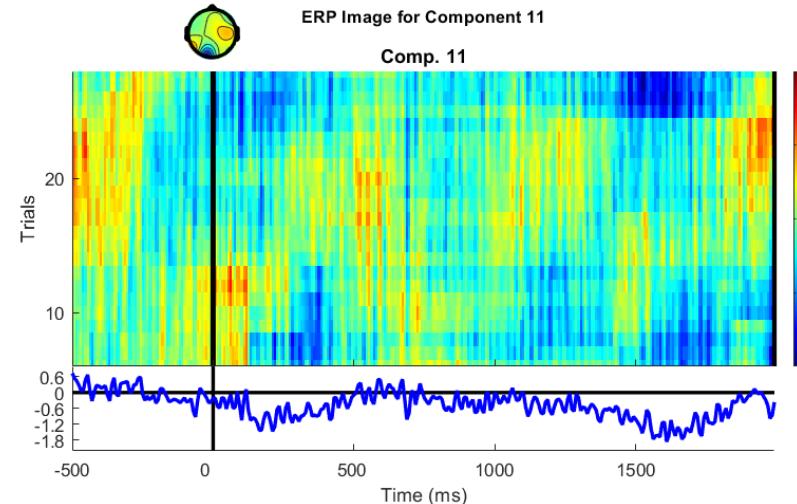
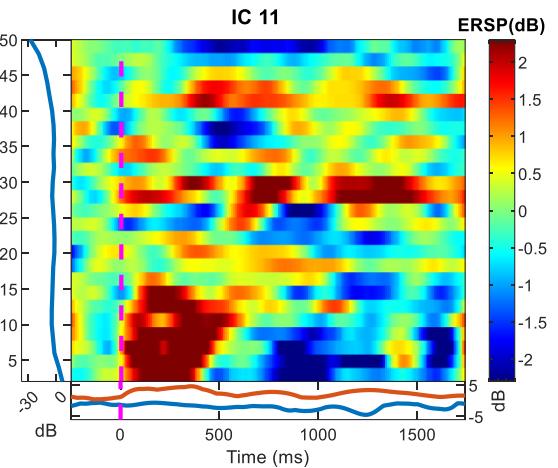
Time	+800ms	
Theta	decrease	
Alpha	increase	

### Parietal P8

Time	+800ms	
Theta	decrease	
Alpha	increase	

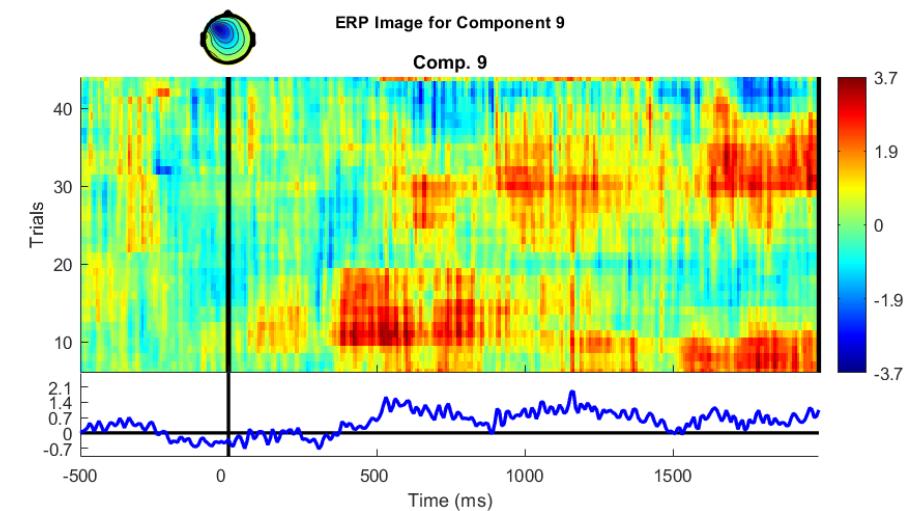
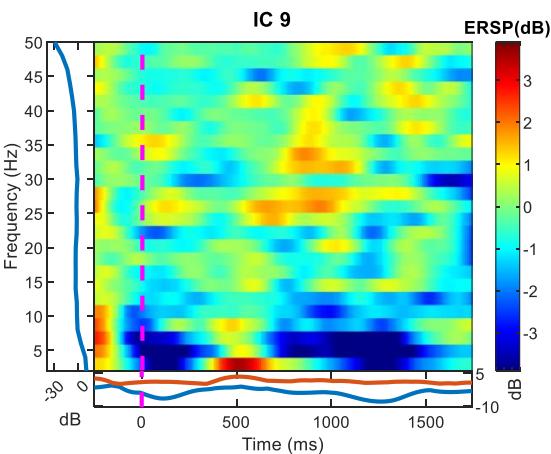
### Parietal P7

Time	+700ms	
Theta	decrease	
Alpha	increase	



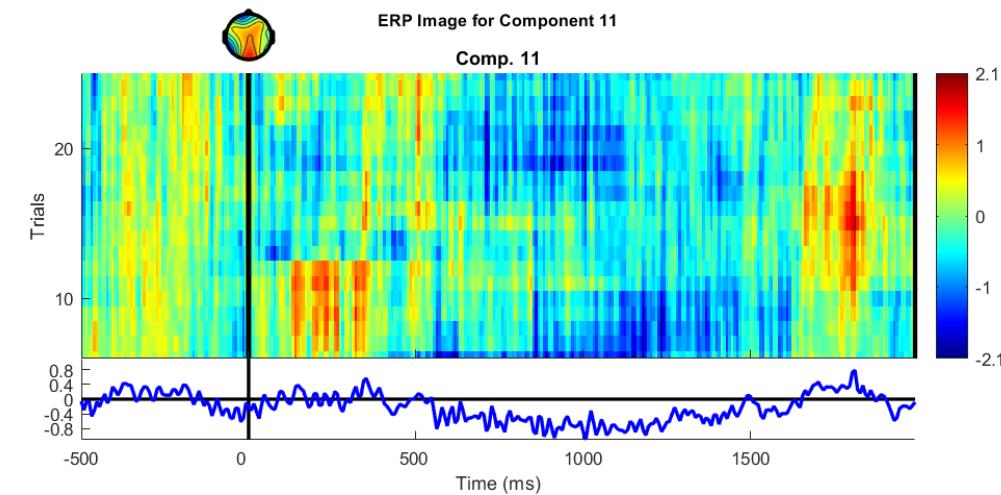
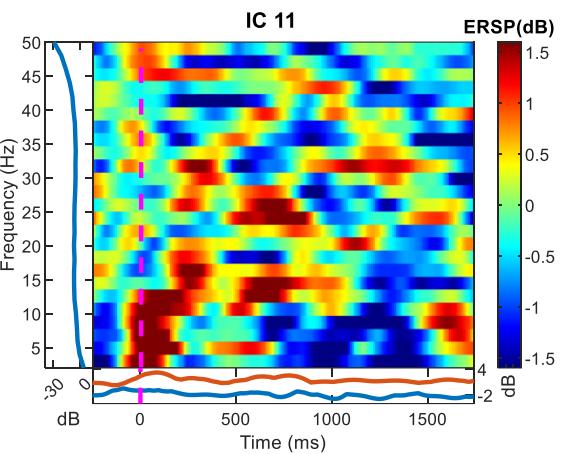
# 109\_4\_2

Frontal F4		
Time	+700ms	
Theta	decrease	
Alpha	increase	



# 109\_5\_1

Occipital O2		
Time	+350ms	
Theta	decrease	
Alpha	increase	



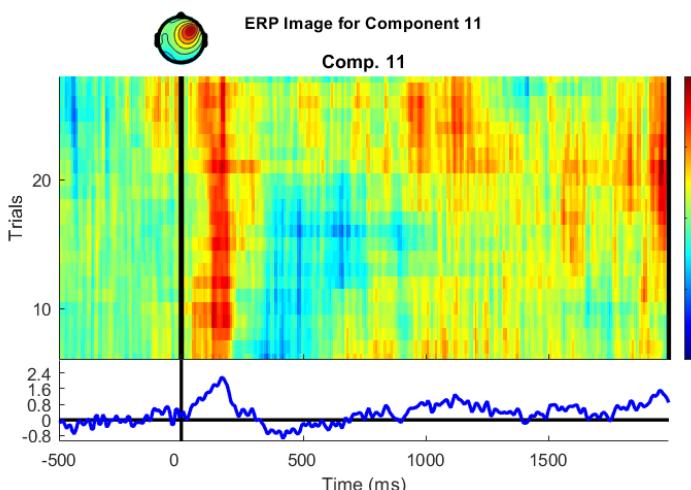
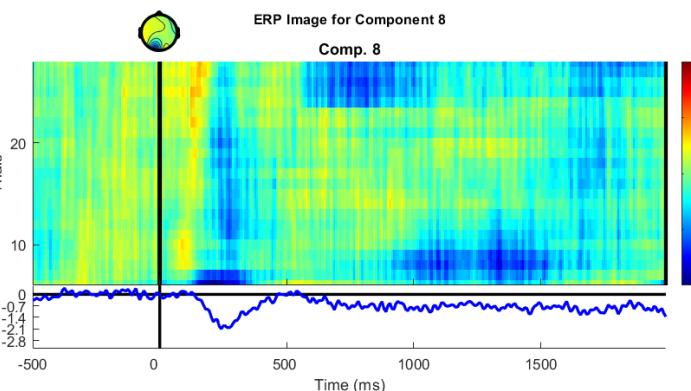
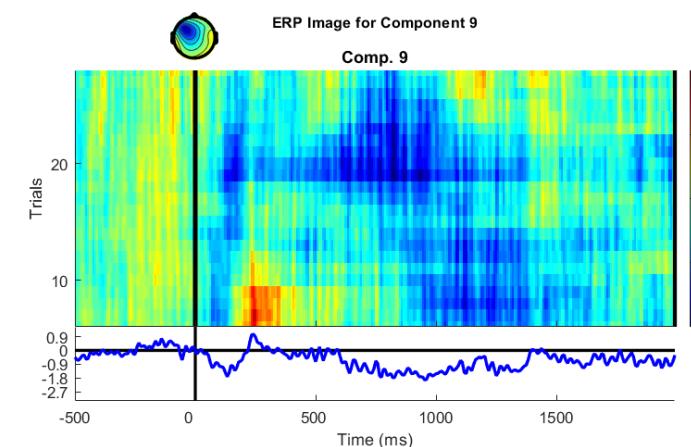
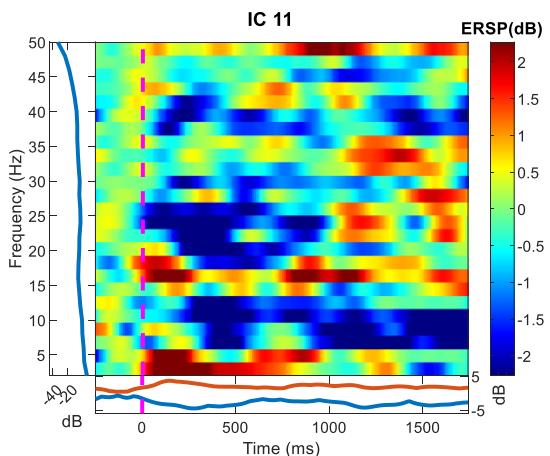
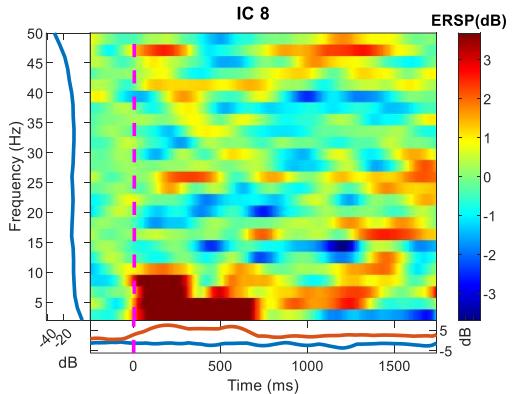
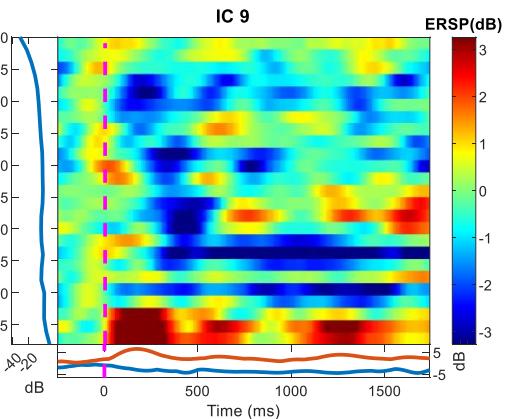
# 109\_5\_2

Frontal F3		
Time	+300ms	
Theta	decrease	
Alpha	increase	

Occipital O1		
Time	+500ms	
Theta	decrease	
Alpha	increase	

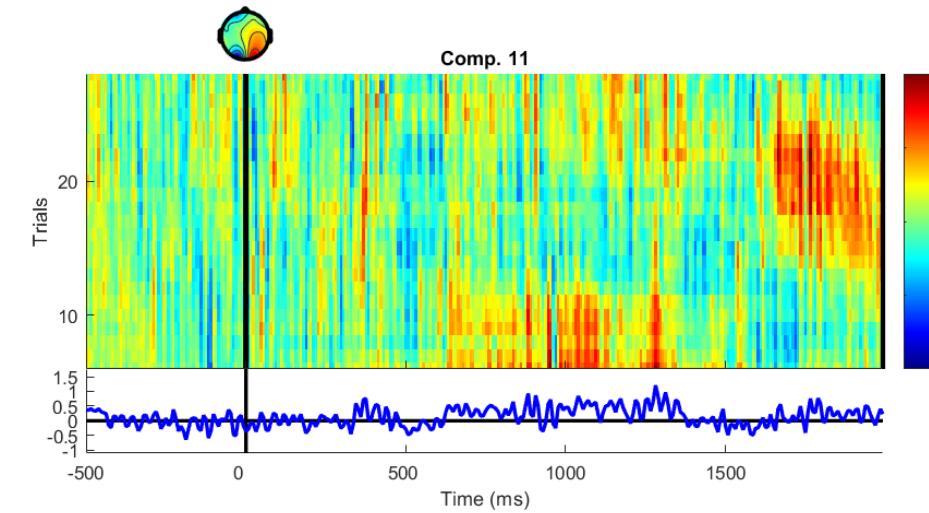
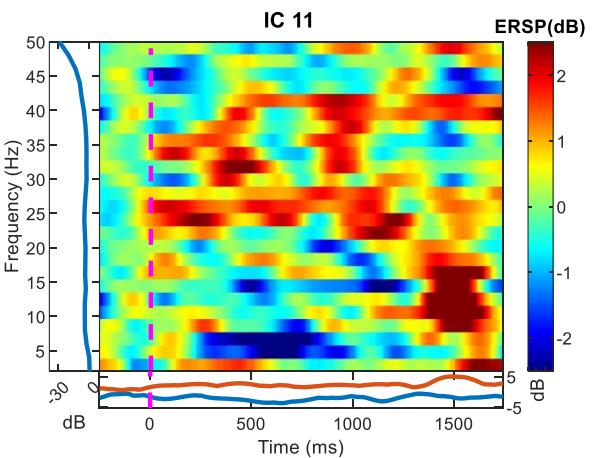
Frontal F4		
Time	+300ms	
Theta	increase	
Alpha	increase	

!!



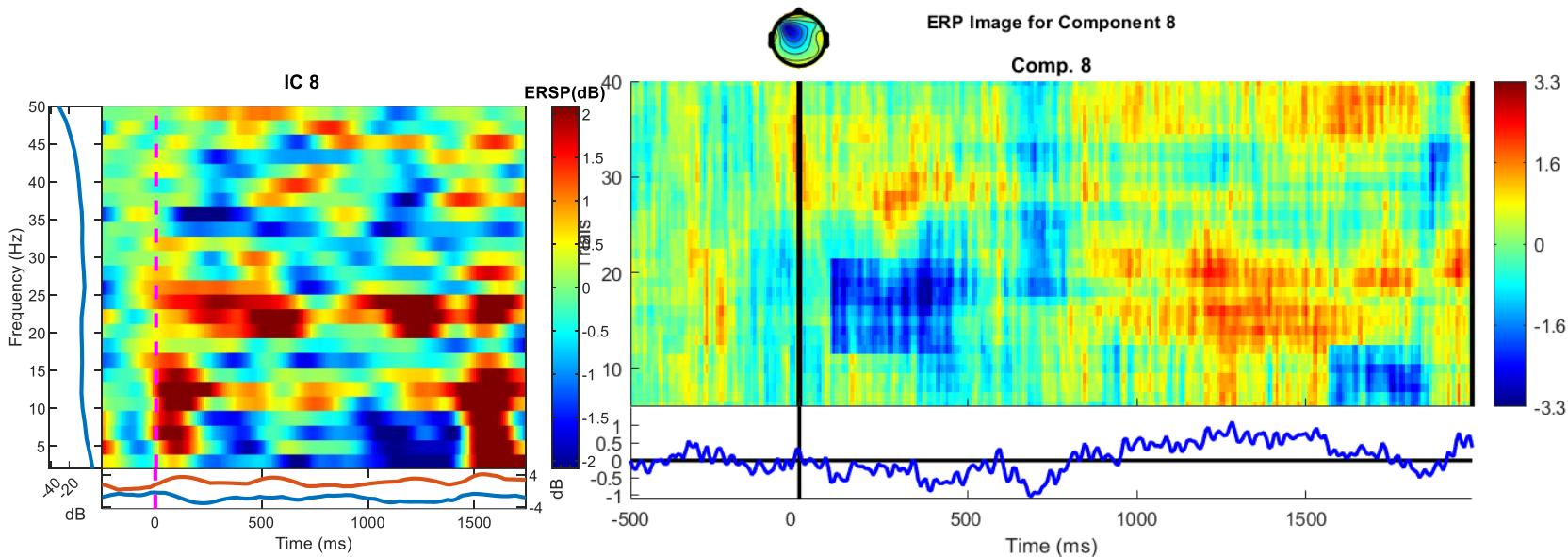
# 109\_6\_1

Occipital O2		
Time	+700ms	
Theta	increase	
Alpha	decrease	



# 109\_6\_2

Frontal F3		
Time	+550ms	
Theta	decrease	
Alpha	increase	

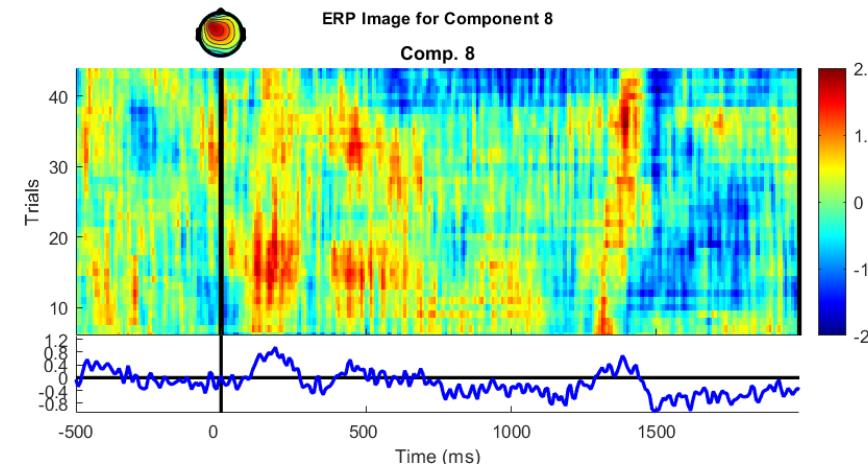
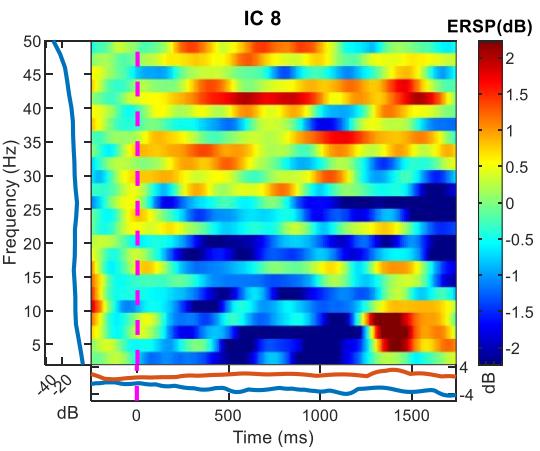
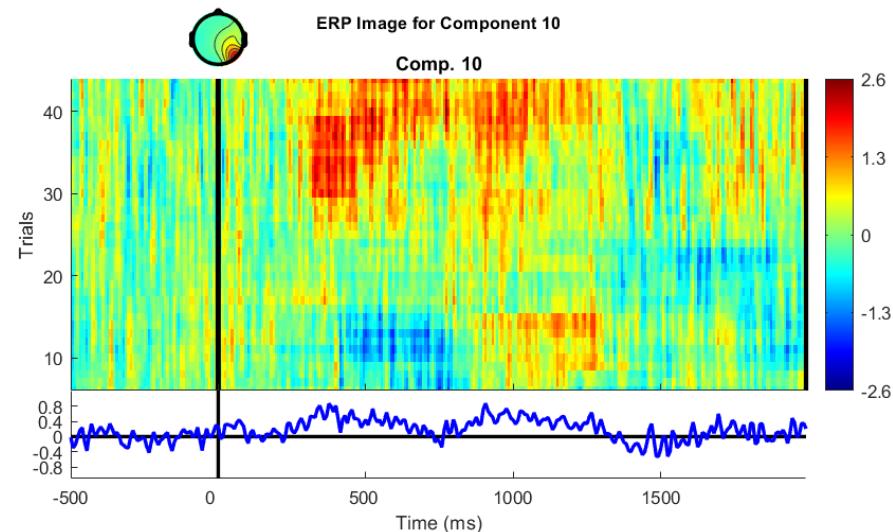
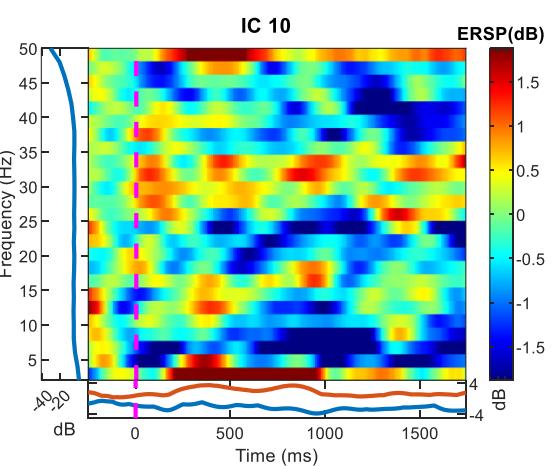


# 109\_6\_3

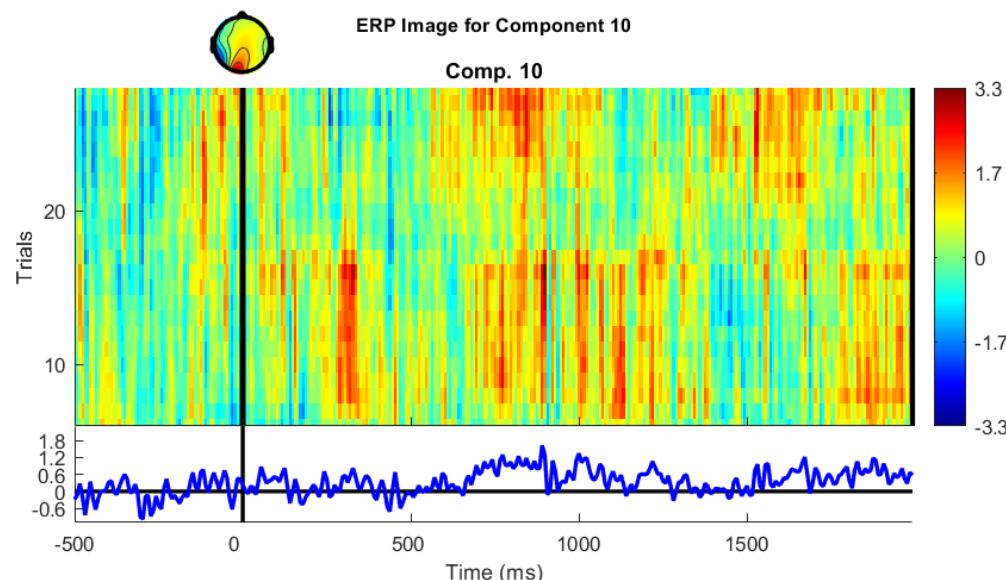
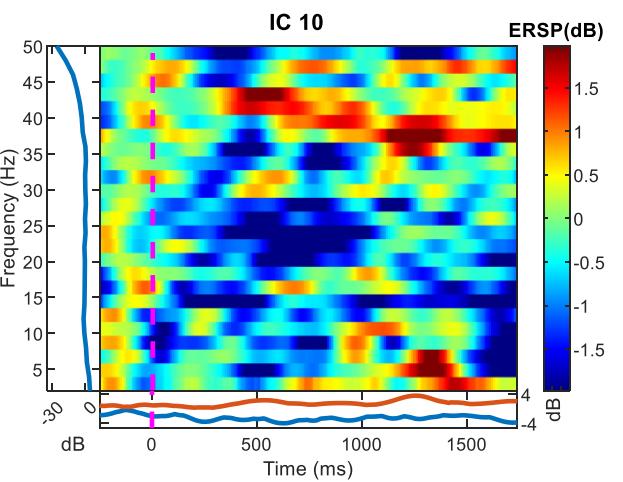
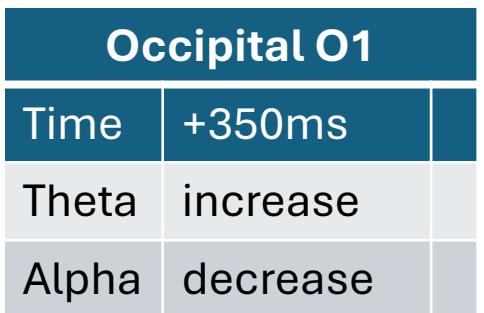
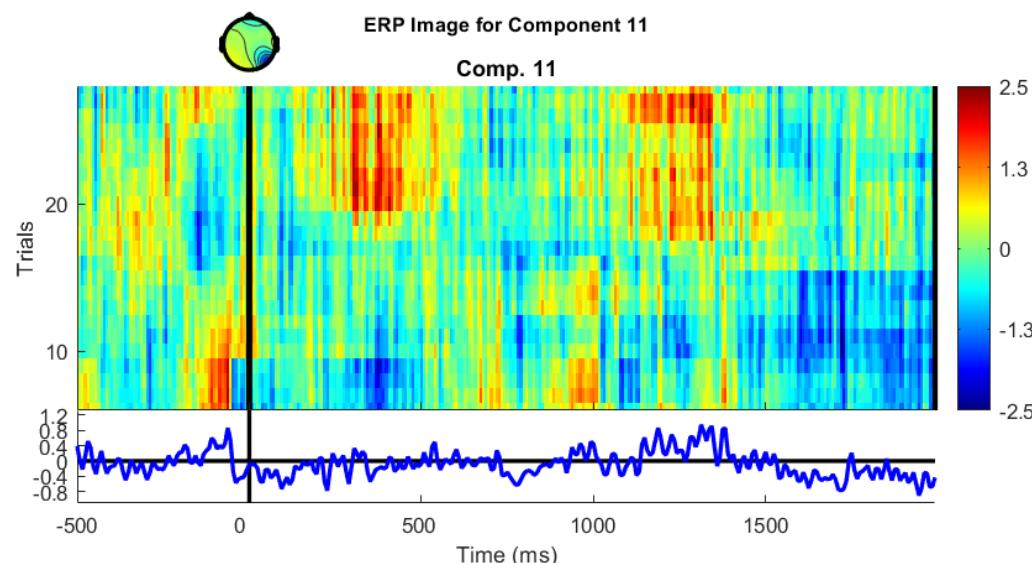
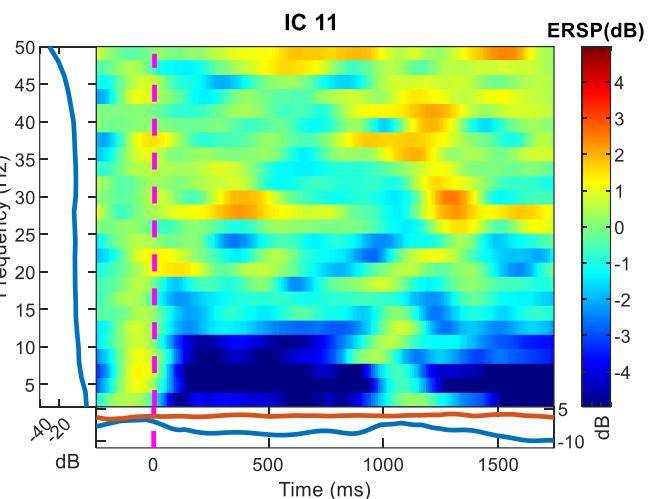
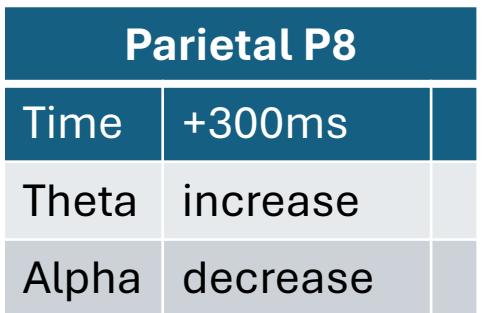
Frontal F4		
Time	+450ms	
Theta	increase	
Alpha	decrease	

!!

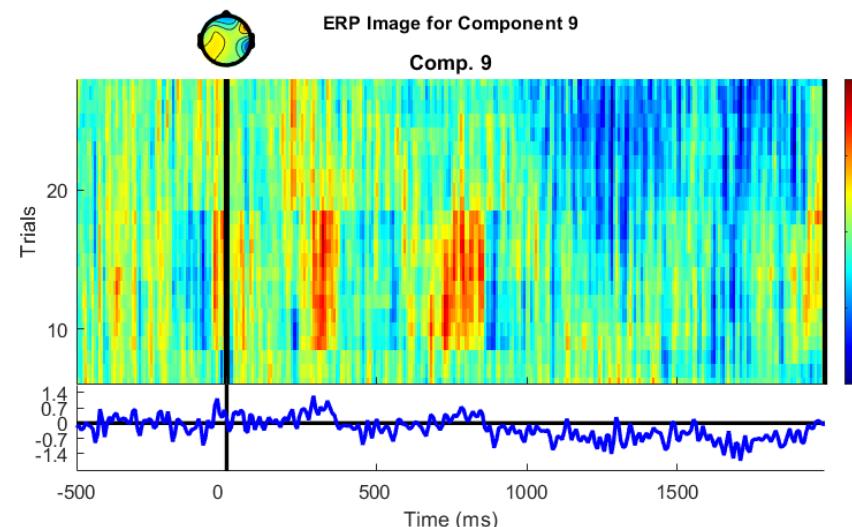
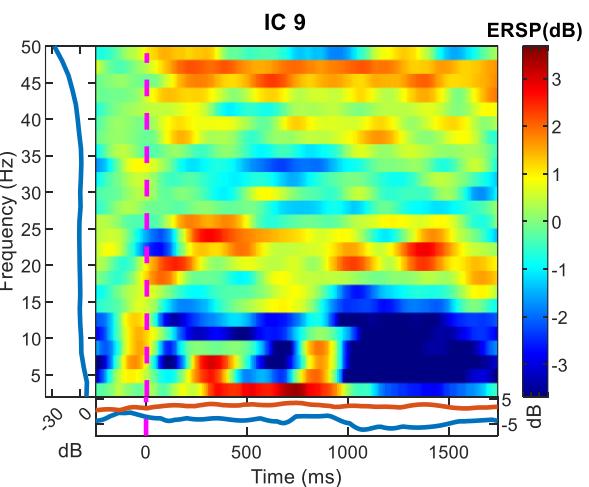
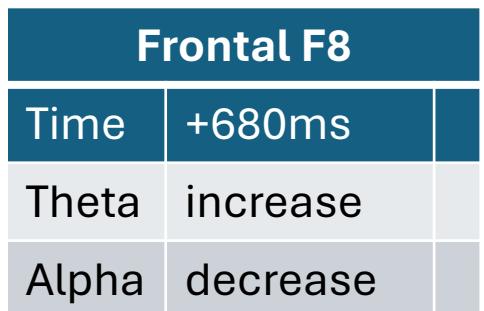
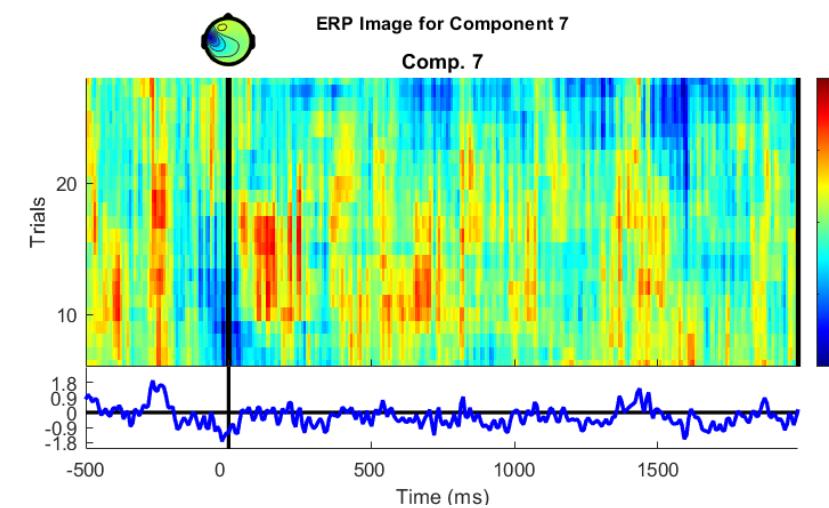
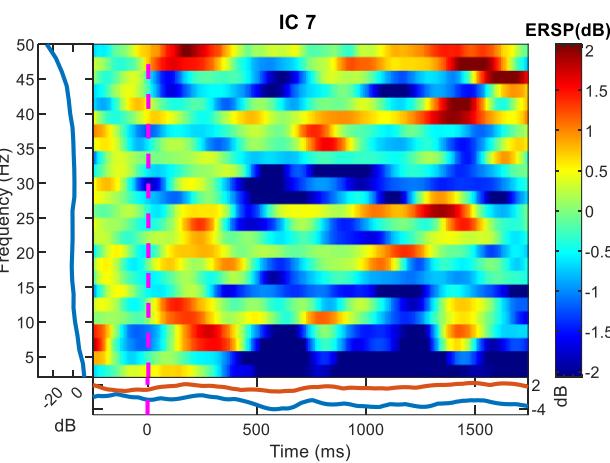
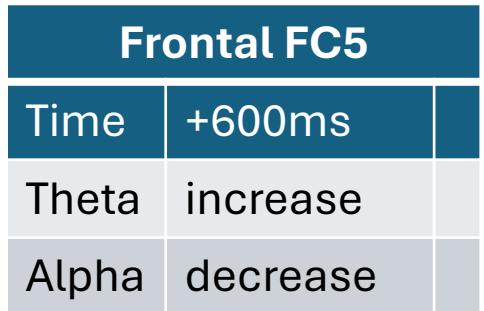
Frontal F3		
Time	+250ms	
Theta	increase	
Alpha	decrease	



109\_7\_2

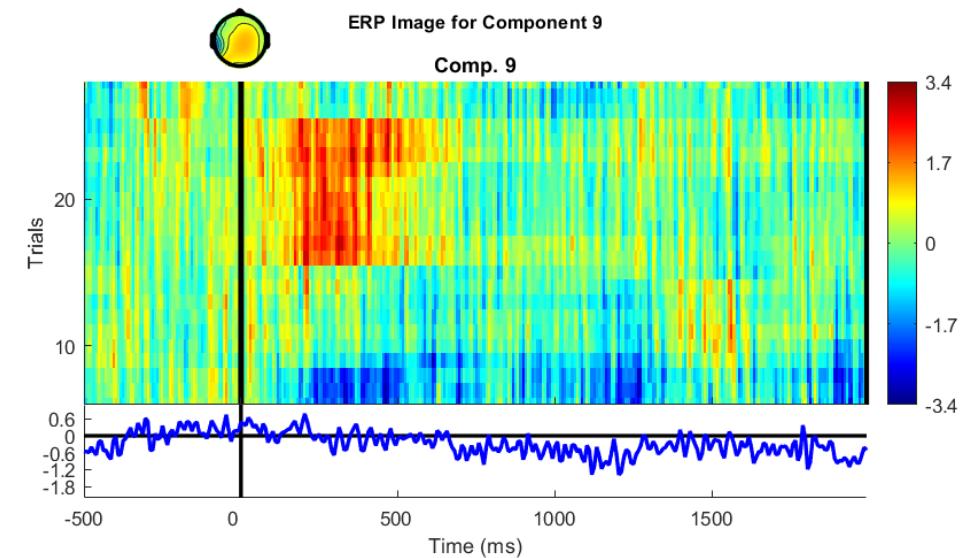
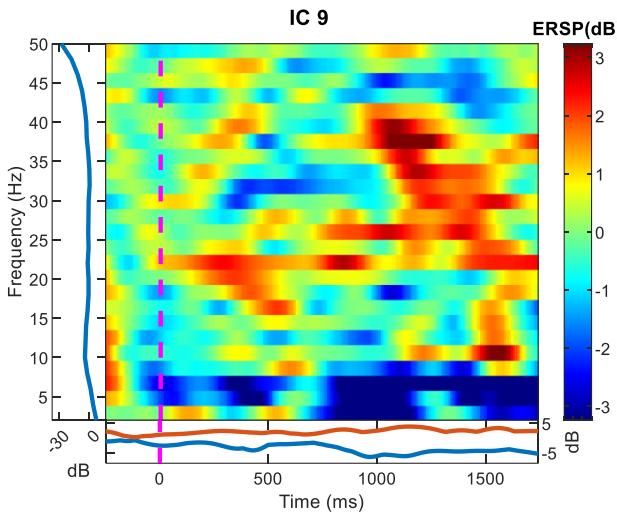


109\_7\_3



# 109\_8\_1

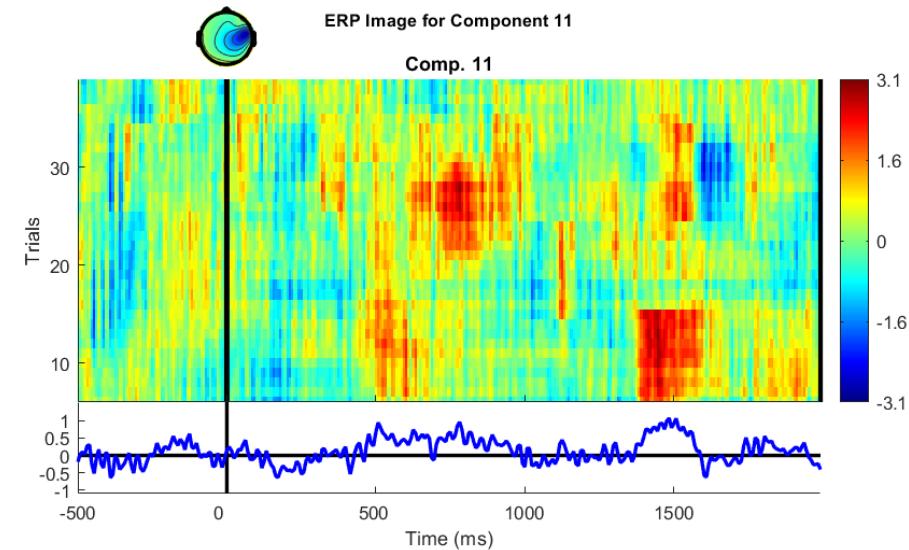
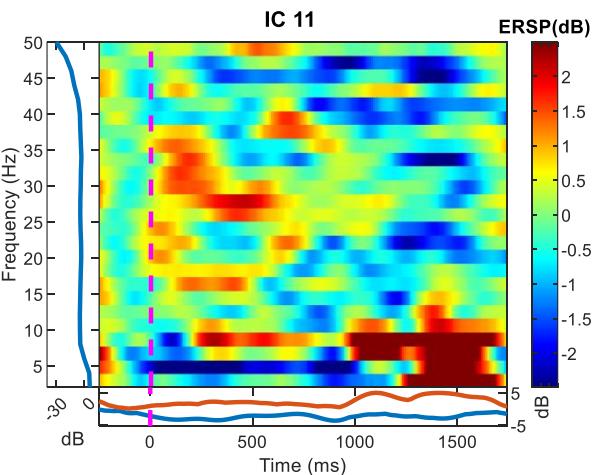
Parietal P7		
Time	+400ms	
Theta	increase	
Alpha	decrease	



# 109\_8\_2

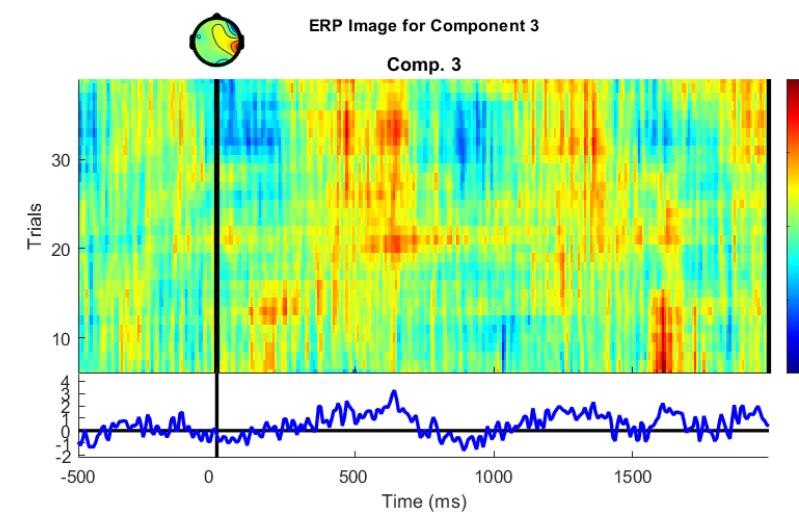
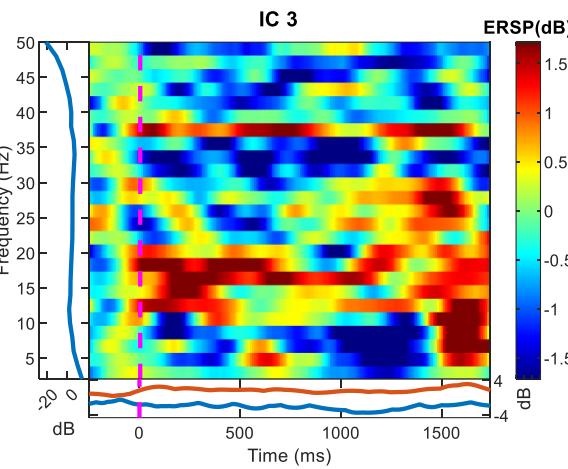
Frontal FC6		
Time	+600ms	
Theta	increase	
Alpha	decrease	

!!



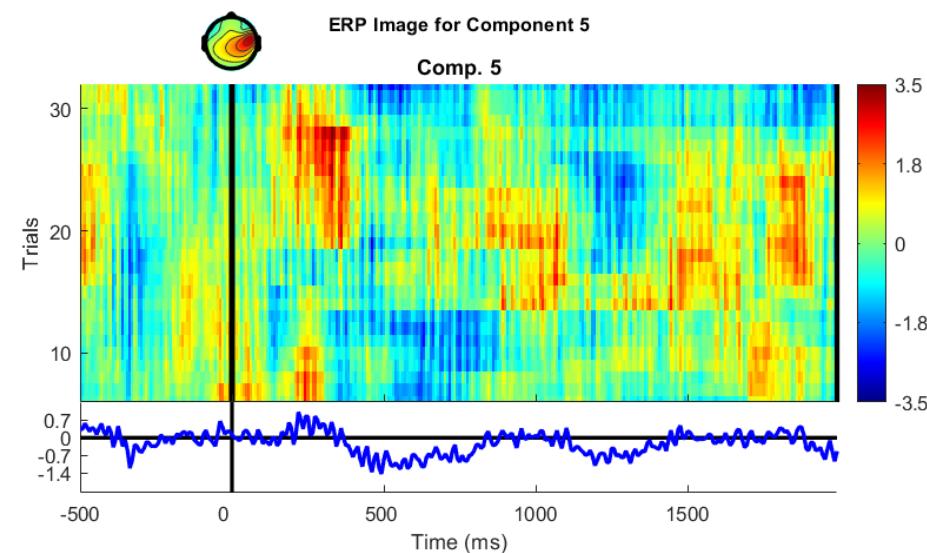
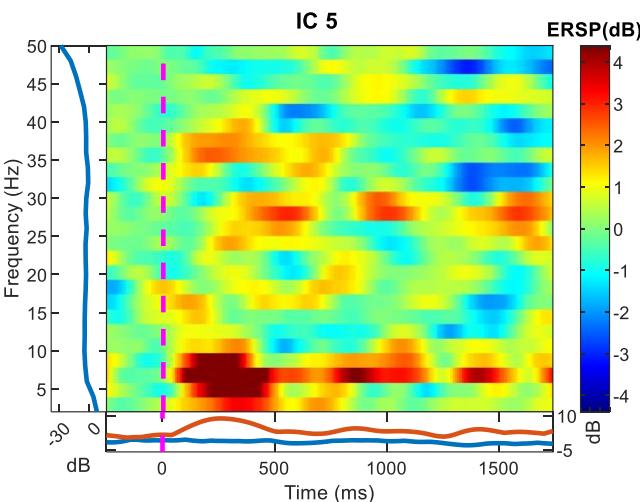
# 109\_8\_3

Frontal F8		
Time	+700ms	
Theta	increase	
Alpha	decrease	



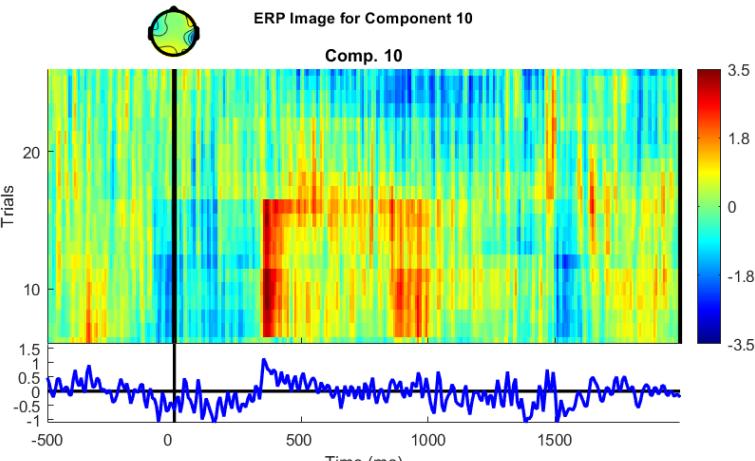
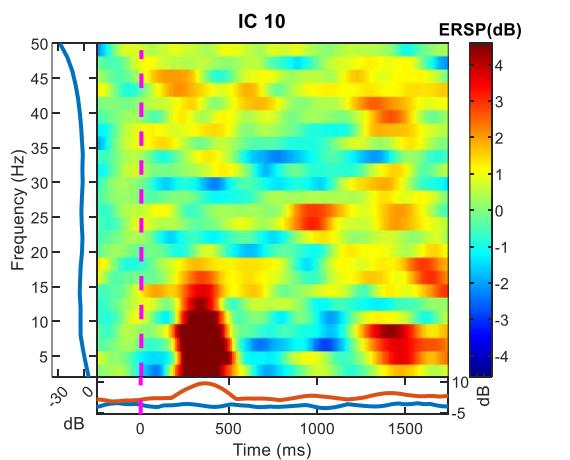
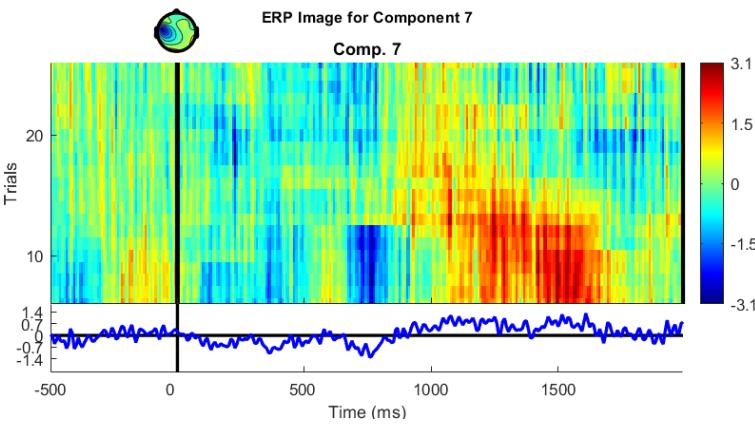
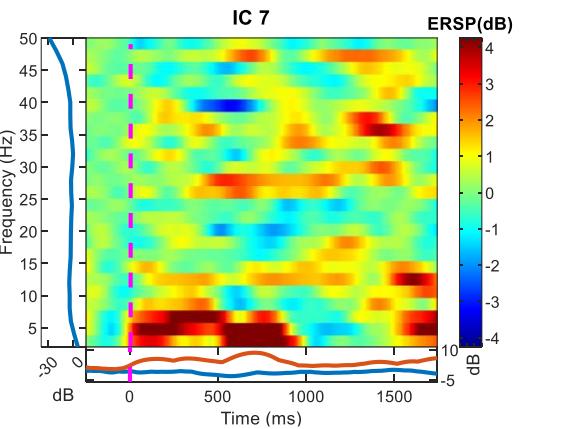
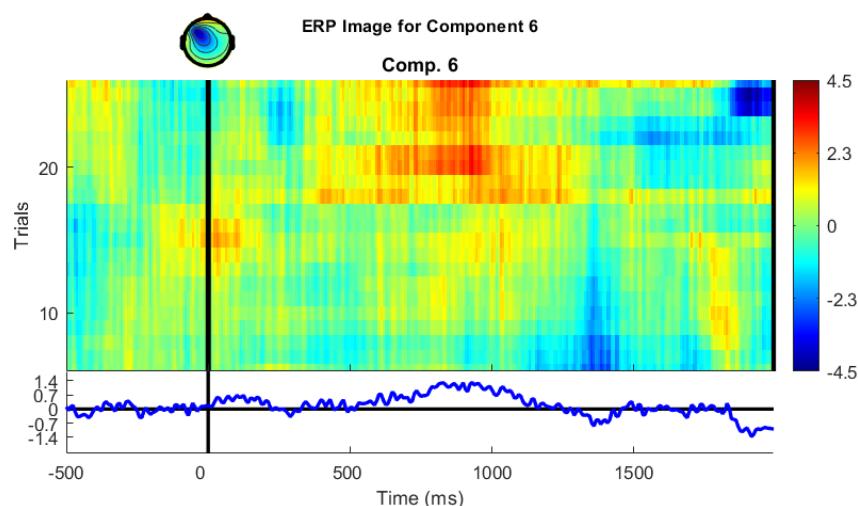
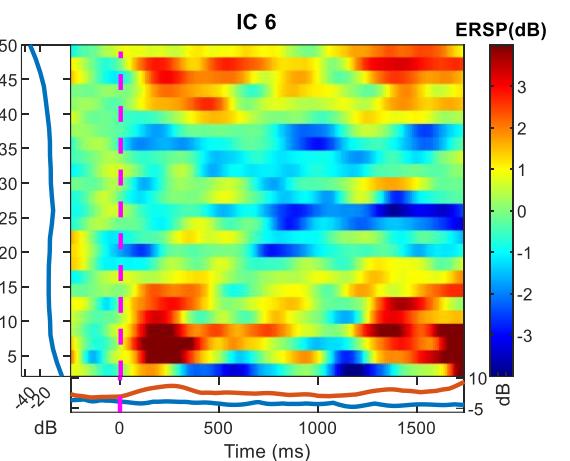
# 109\_9\_2

Frontal FC6		
Time	+300ms	
Theta	increase	
Alpha	decrease	



# 109\_10\_1

Frontal F3		
Time	+200ms	
Theta	increase	
Alpha	decrease	

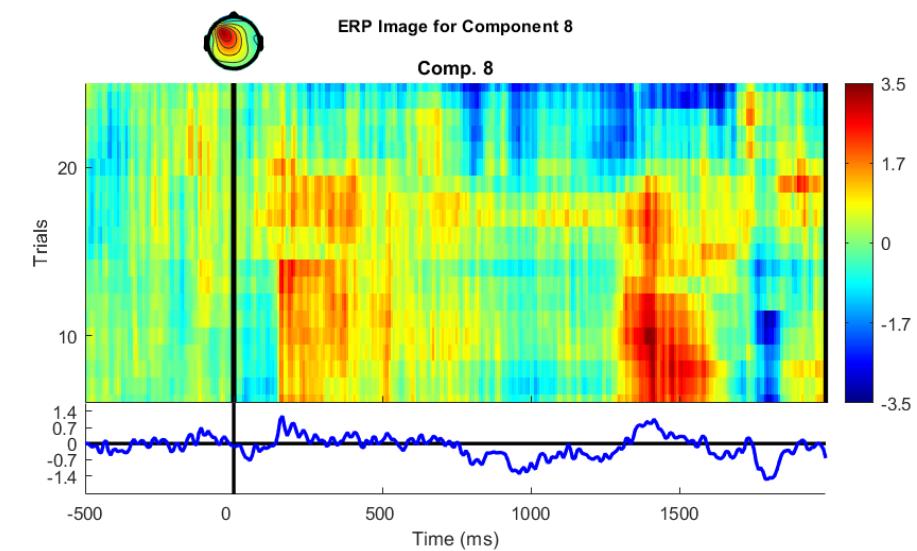
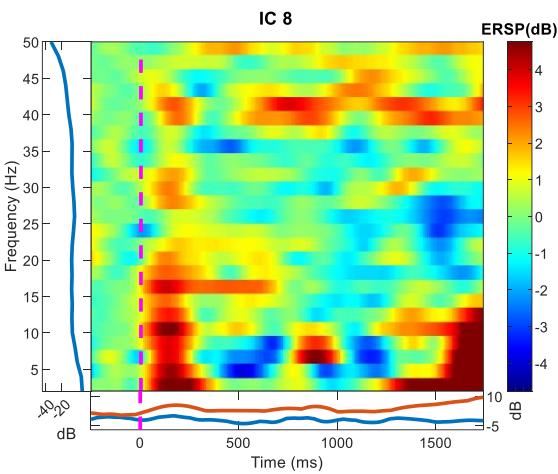


Frontal FC5		
Time	+250ms	
Theta	increase	
Alpha	decrease	

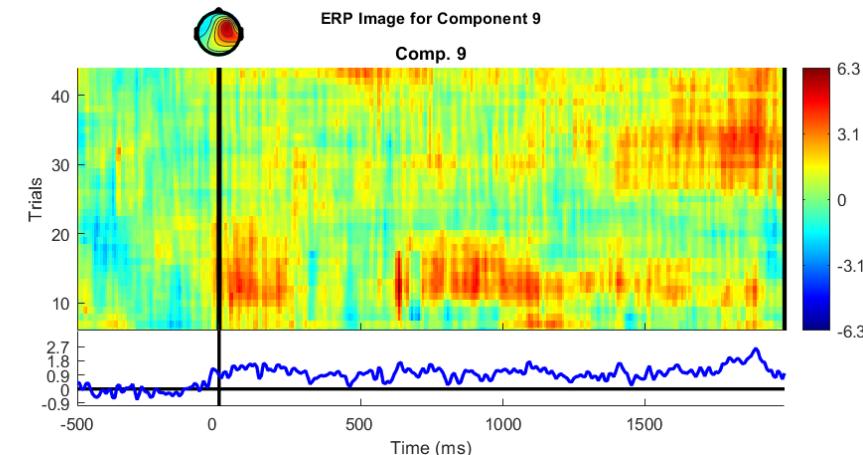
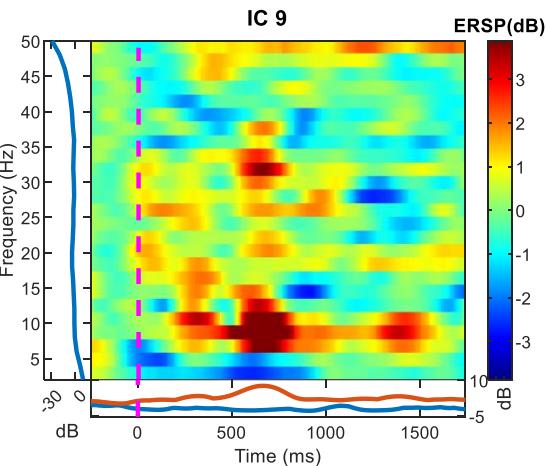
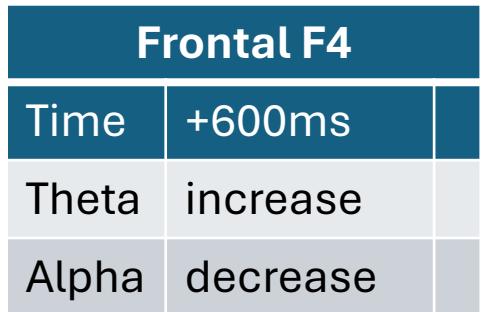
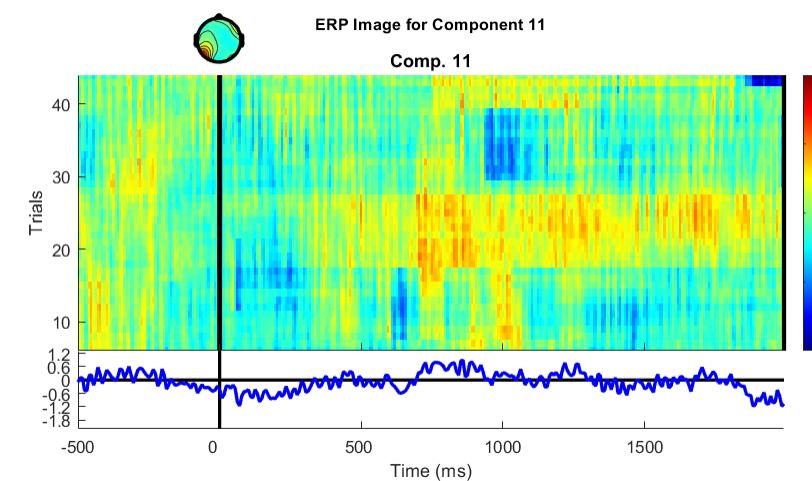
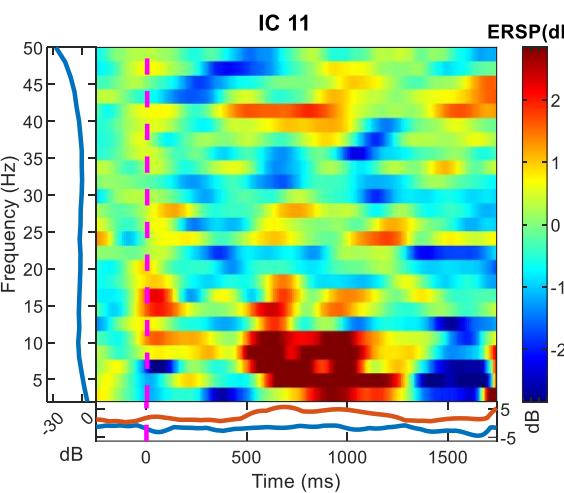
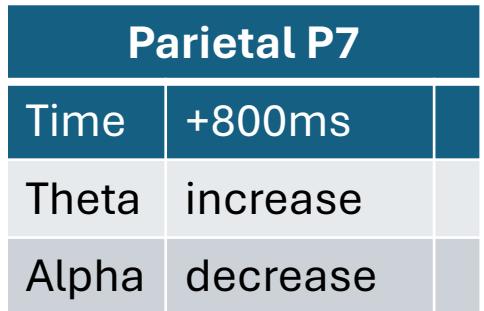
Parietal P8		
Time	+350ms	
Theta	increase	
Alpha	decrease	

# 109\_10\_2

Frontal F3		
Time	+100ms	
Theta	increase	
Alpha	decrease	

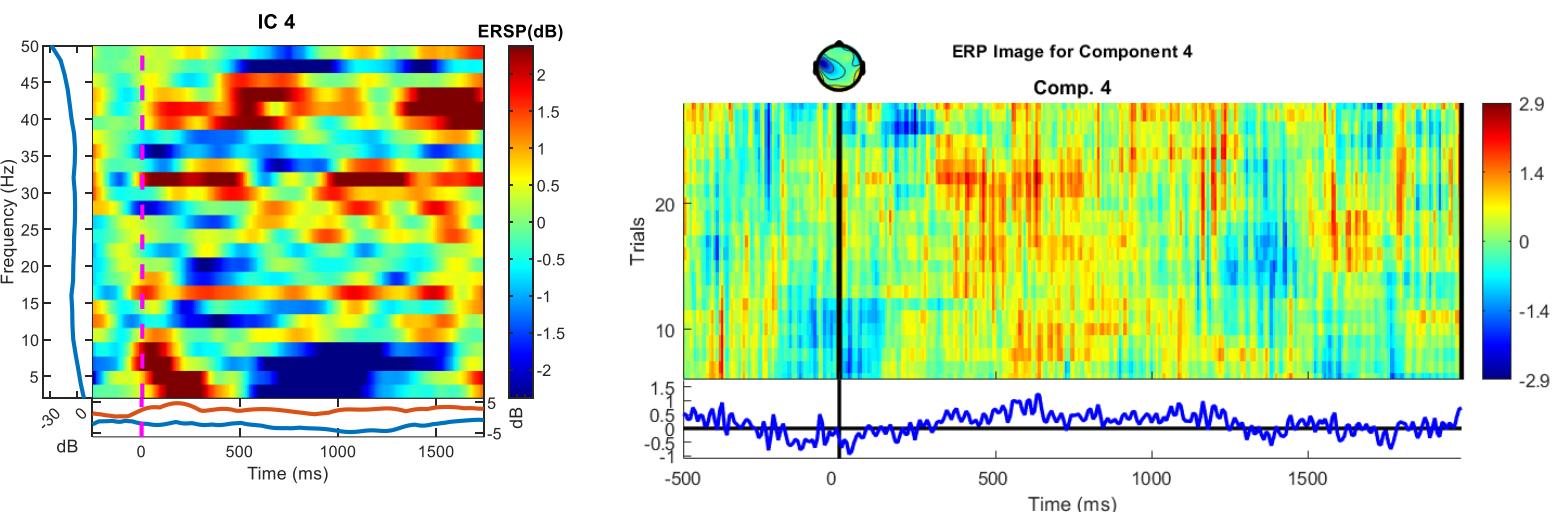


109\_11\_2



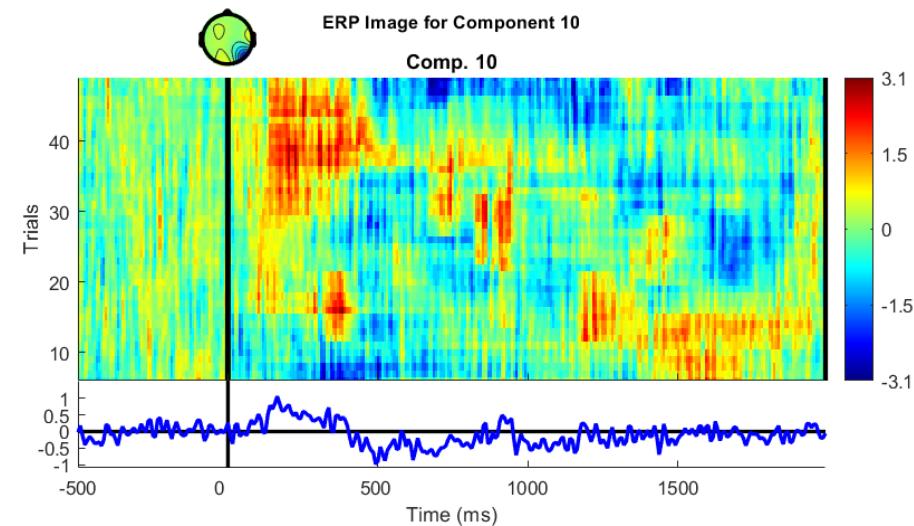
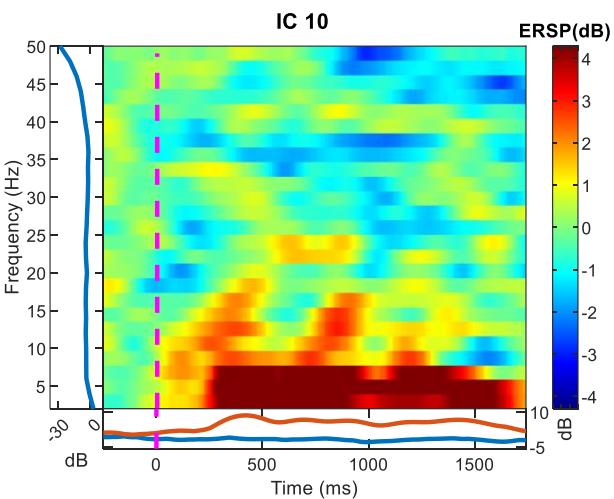
# 109\_12\_1

Frontal FC5		
Time	+250ms	
Theta	increase	
Alpha	decrease	

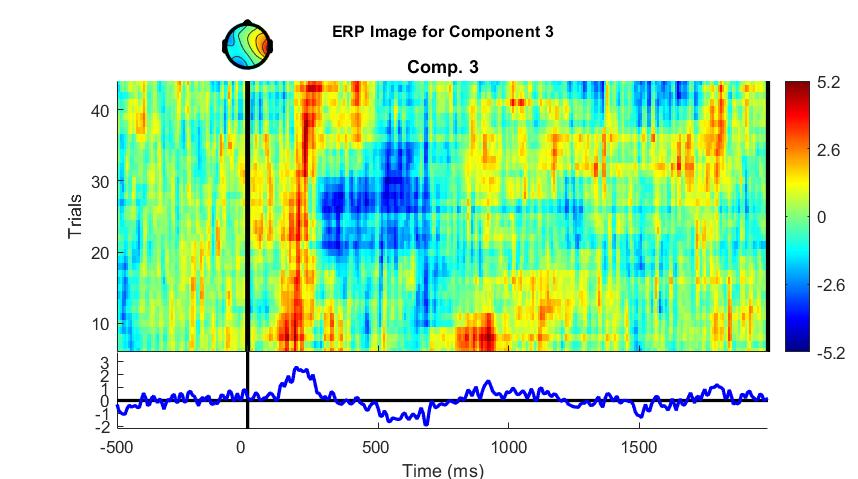
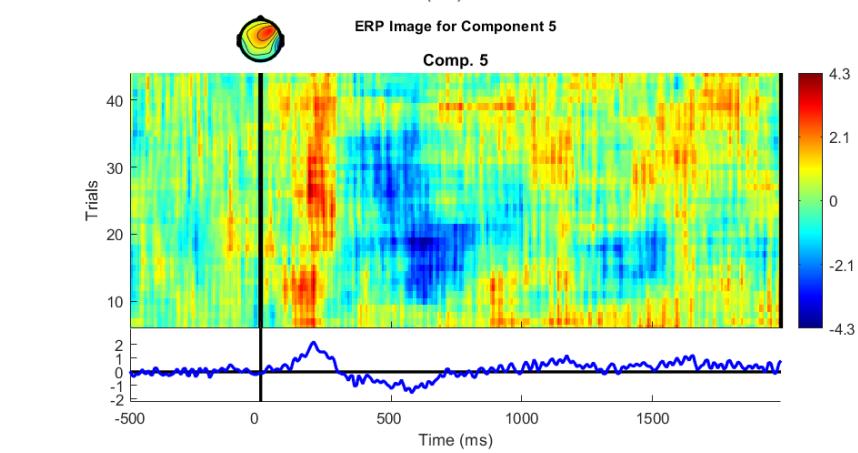
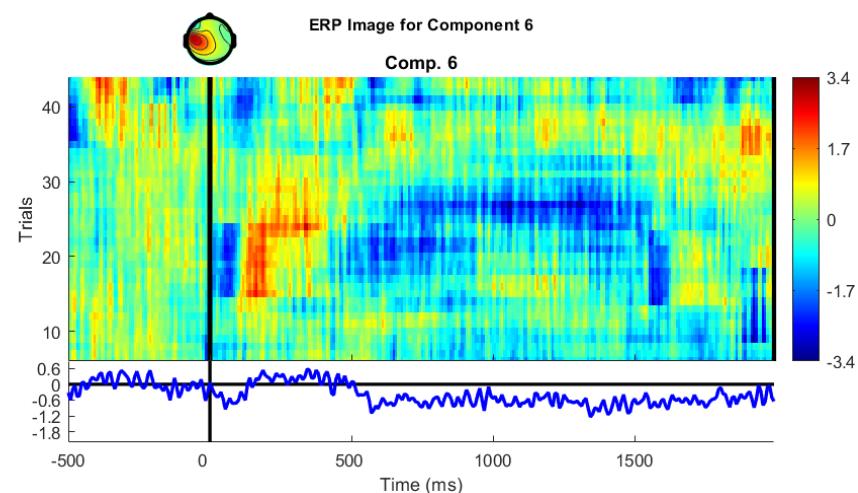
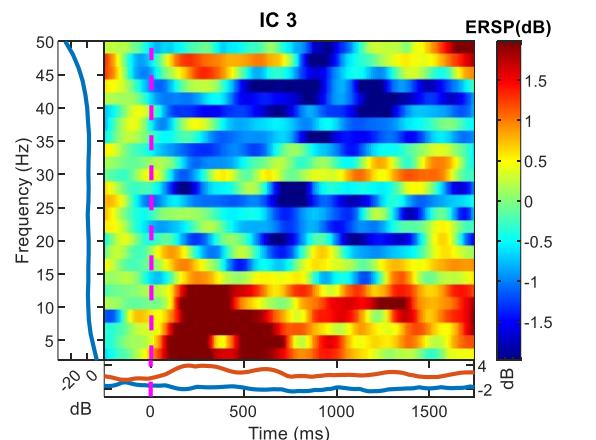
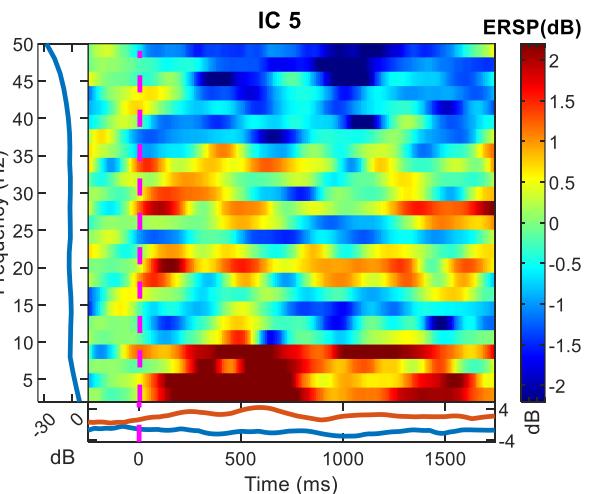
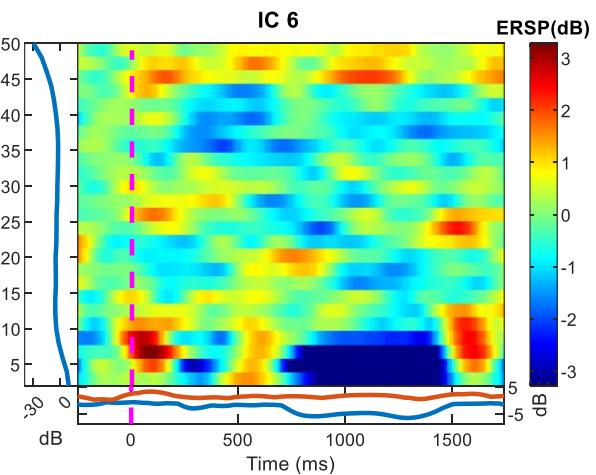
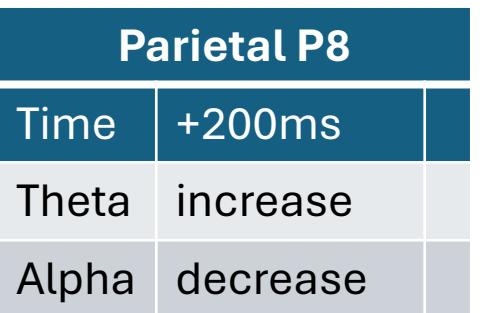
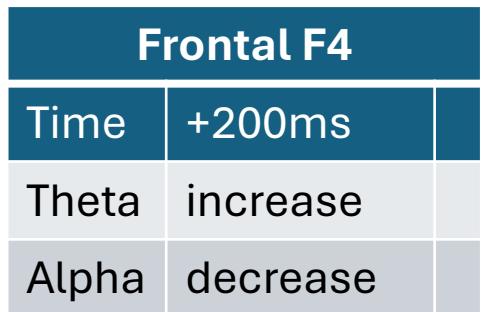
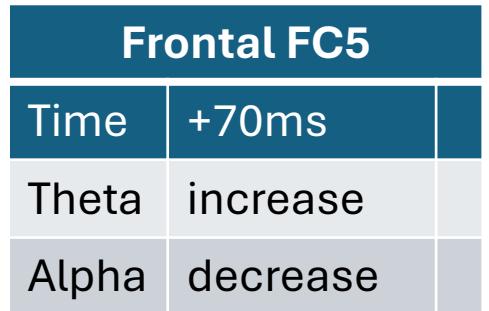


# 109\_12\_2

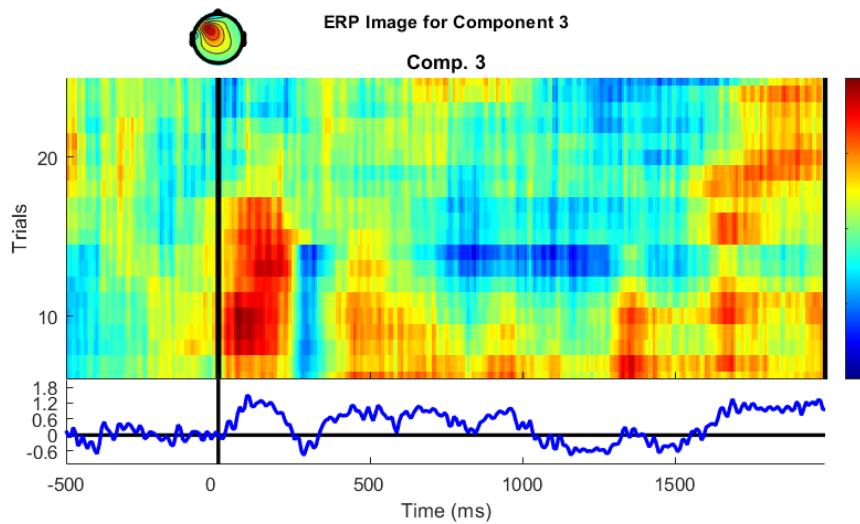
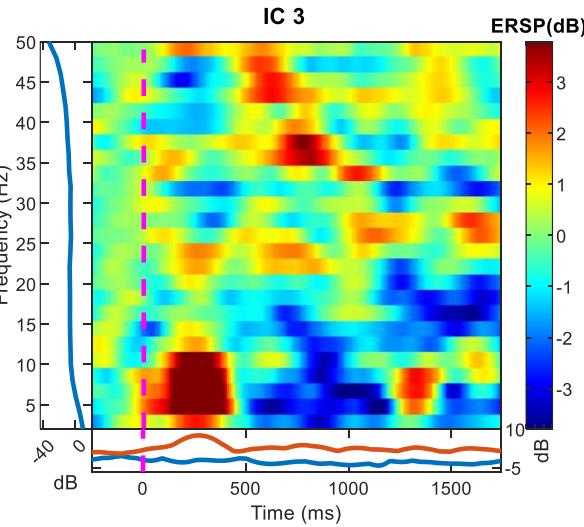
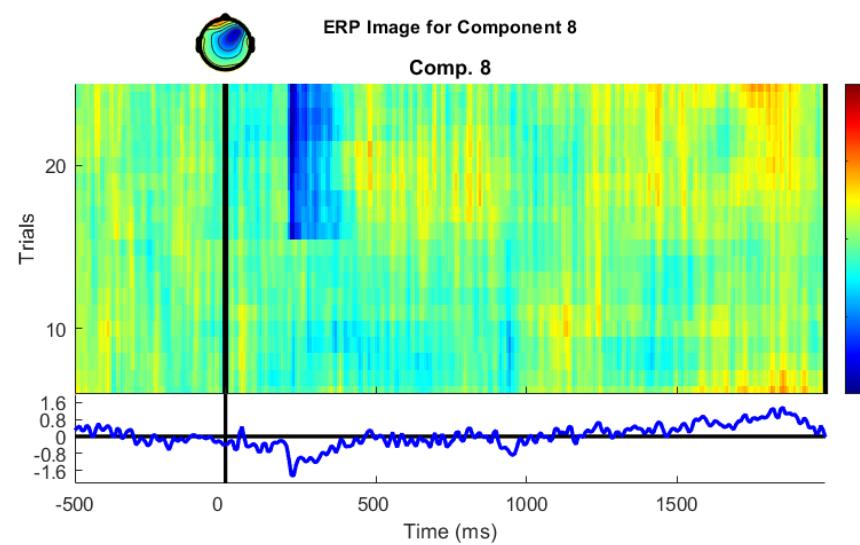
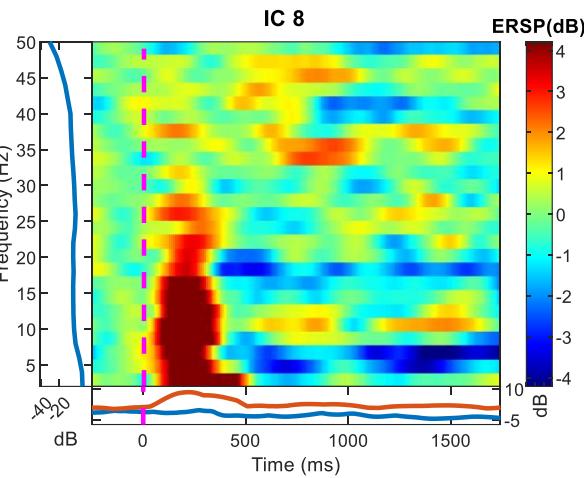
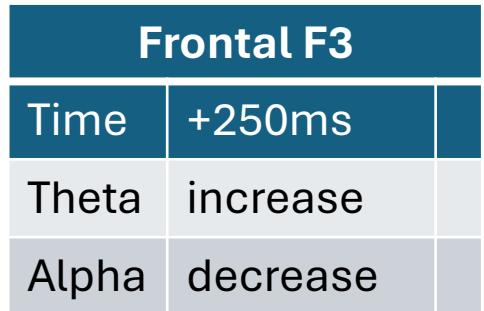
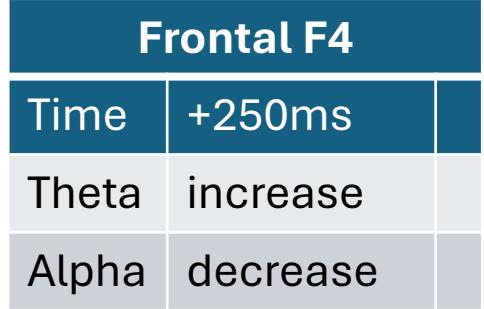
Parietal P8		
Time	+400ms	
Theta	increase	
Alpha	decrease	



# 109\_12\_3



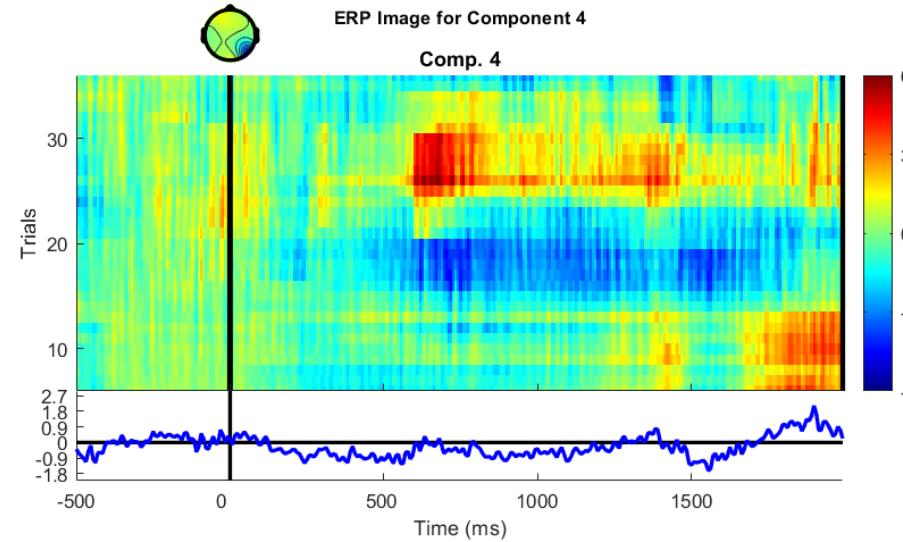
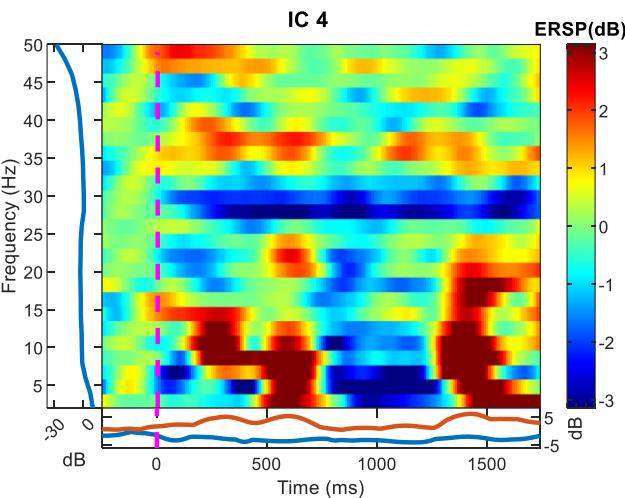
# 109\_13\_2



# 109\_13\_3

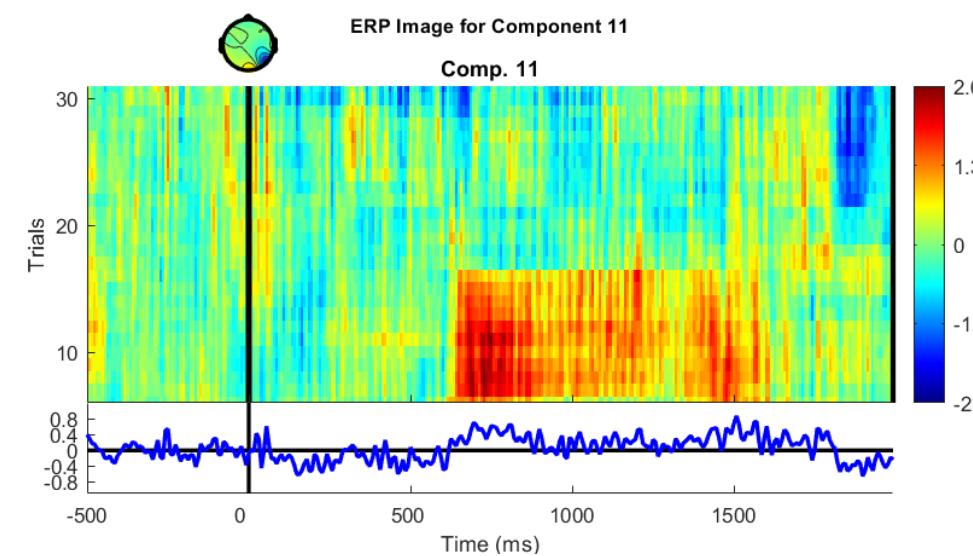
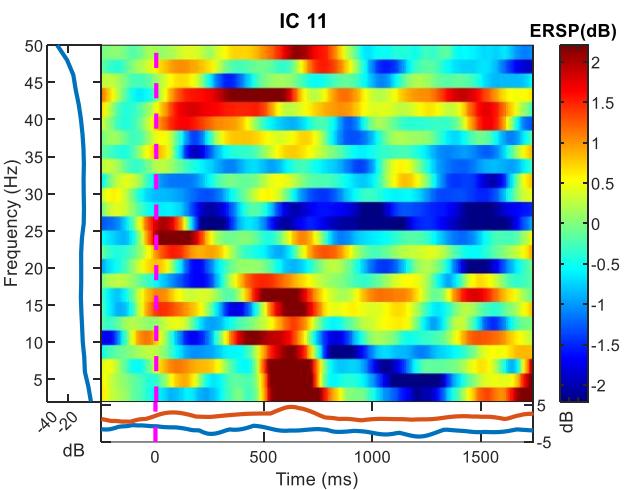
## Parietal P8

Time	+600ms
Theta	increase
Alpha	decrease

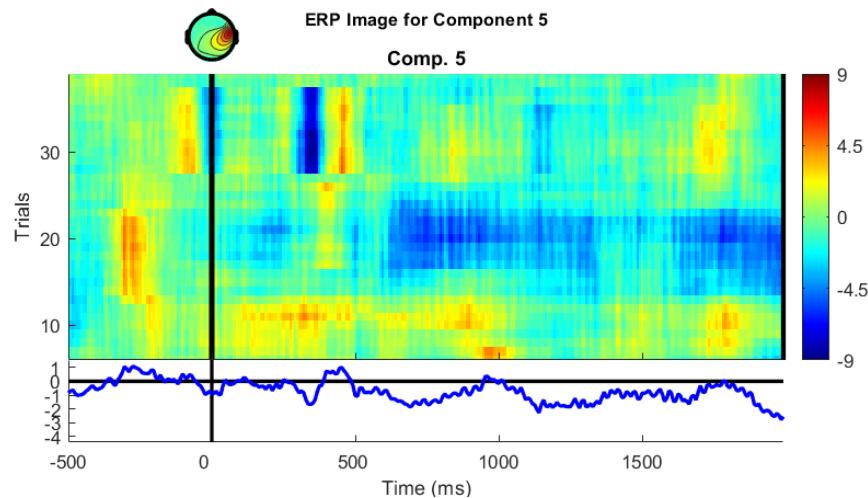
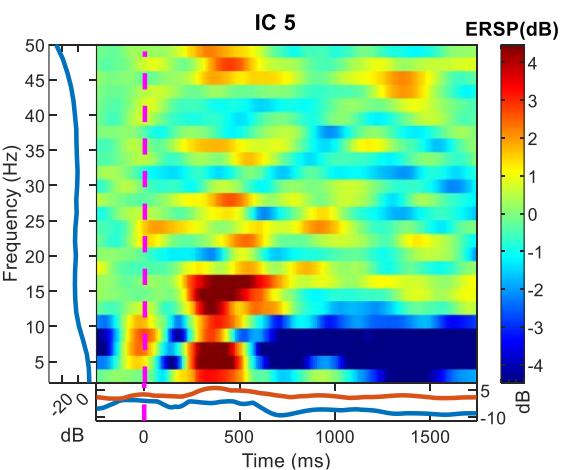
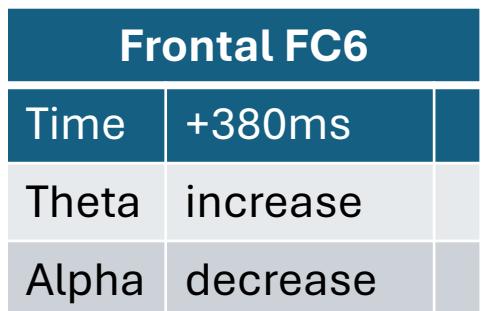
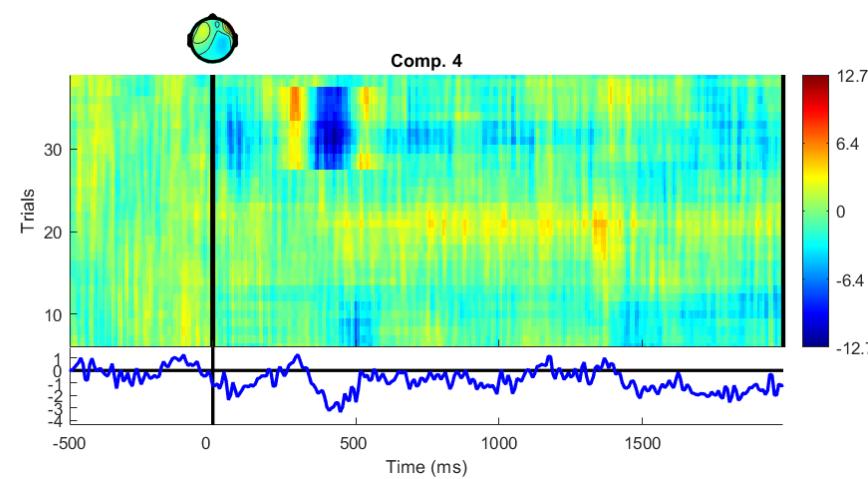
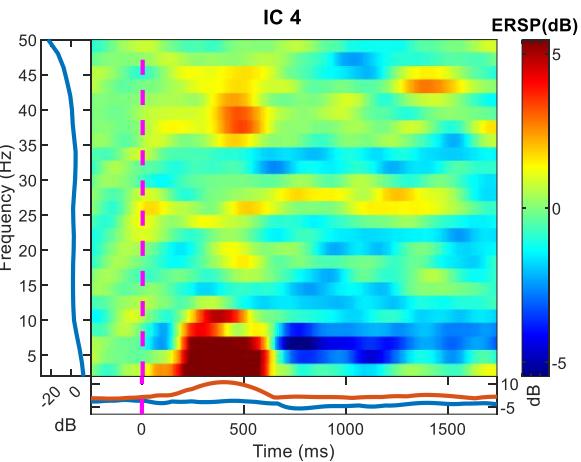
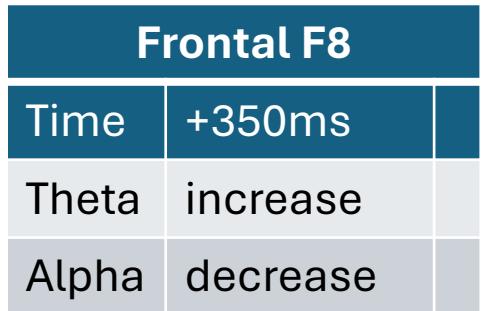


# 109\_14\_1

Parietal P8		
Time	+650ms	
Theta	increase	
Alpha	decrease	

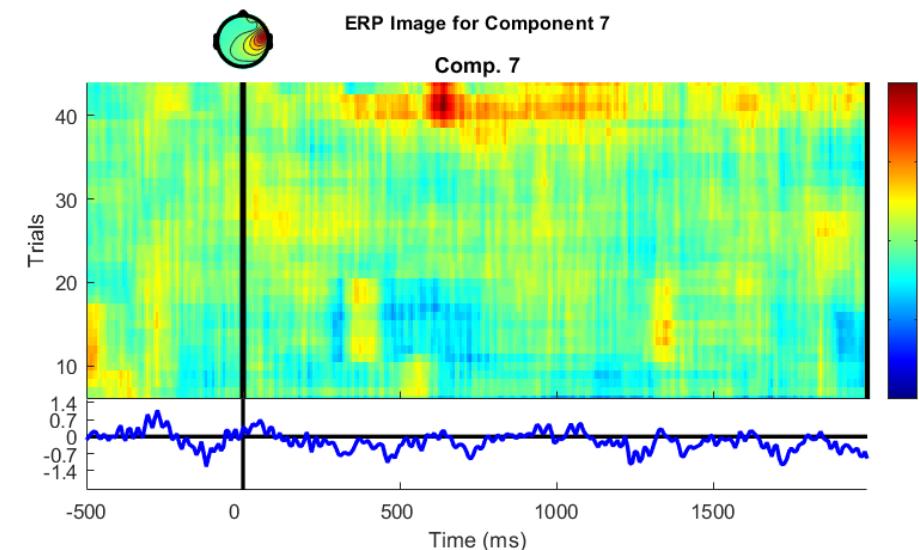
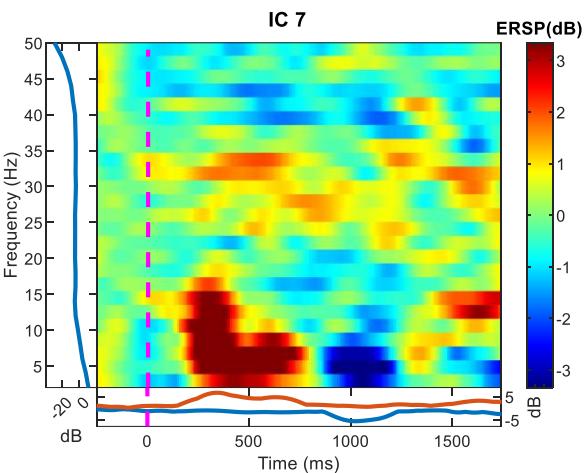


# 109\_14\_2

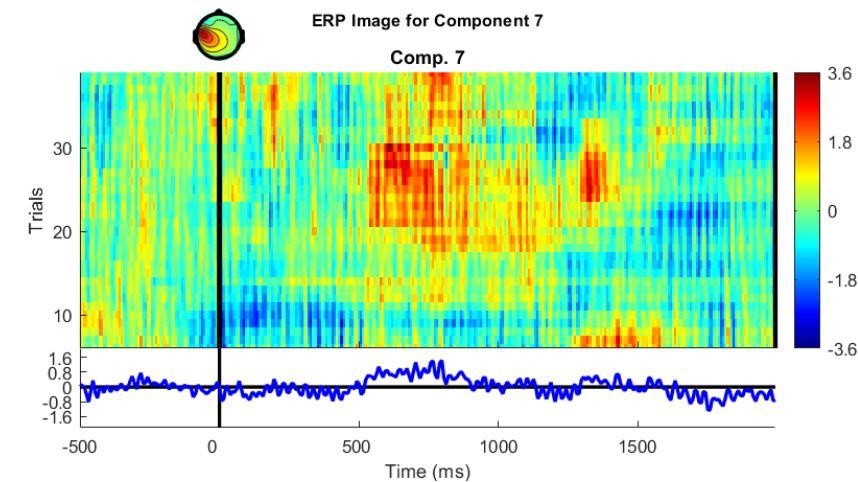
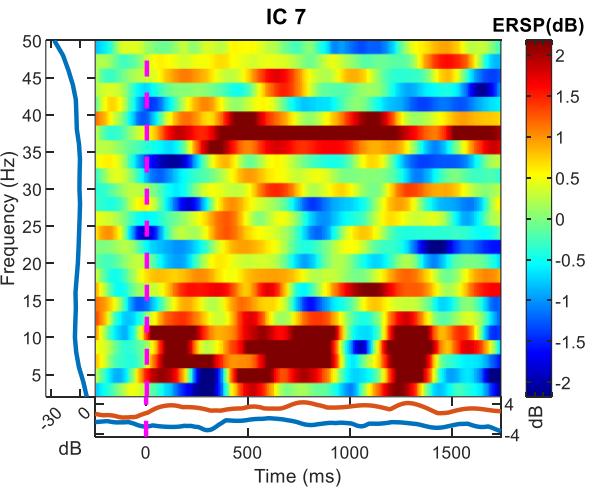
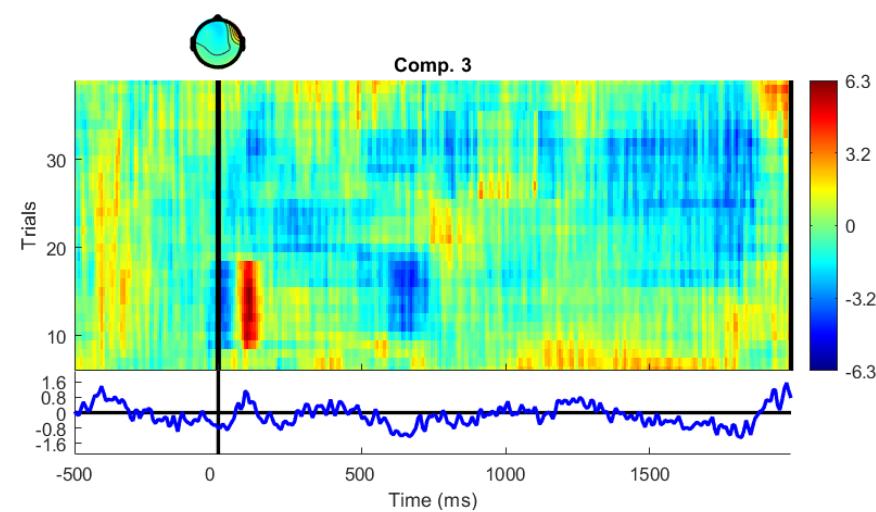
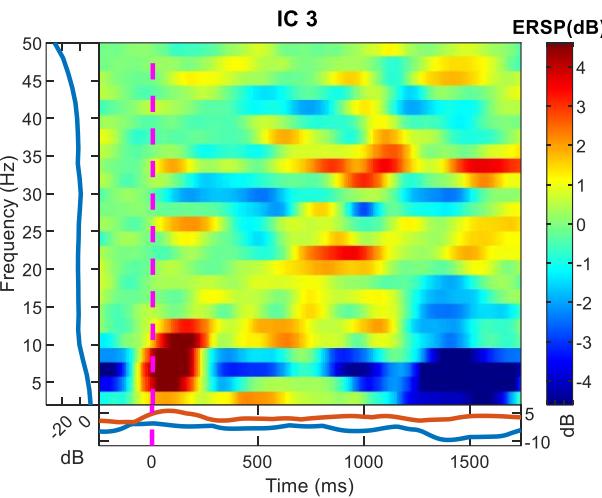
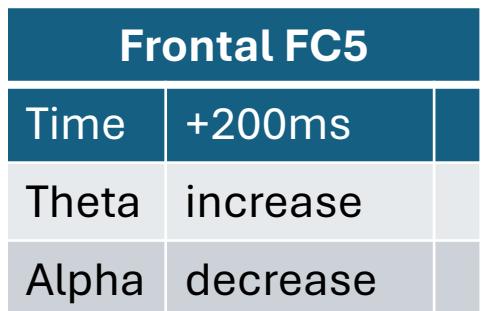
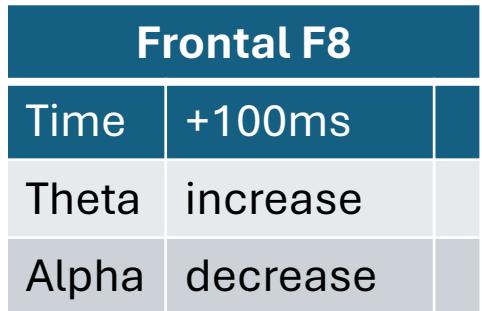


# 109\_14\_3

Frontal FC6		
Time	+400ms	
Theta	increase	
Alpha	decrease	



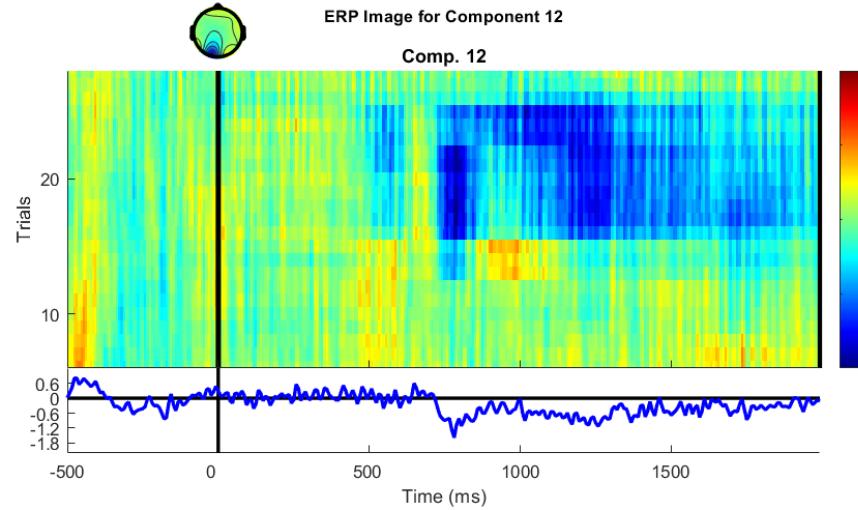
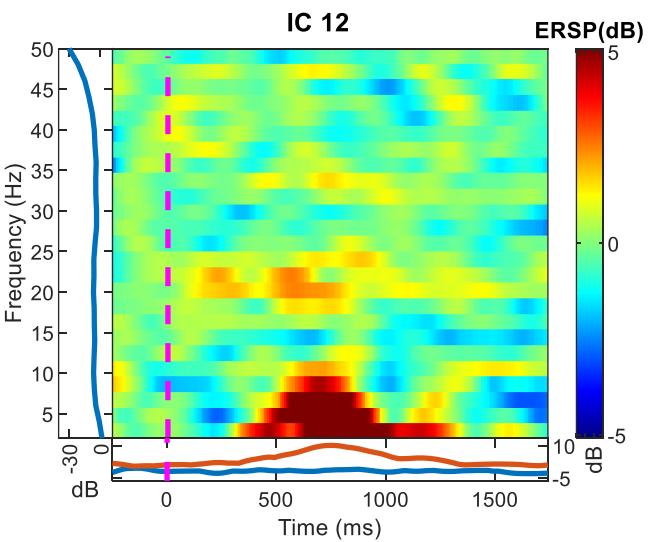
# 109\_15\_2



**109\_16\_1**

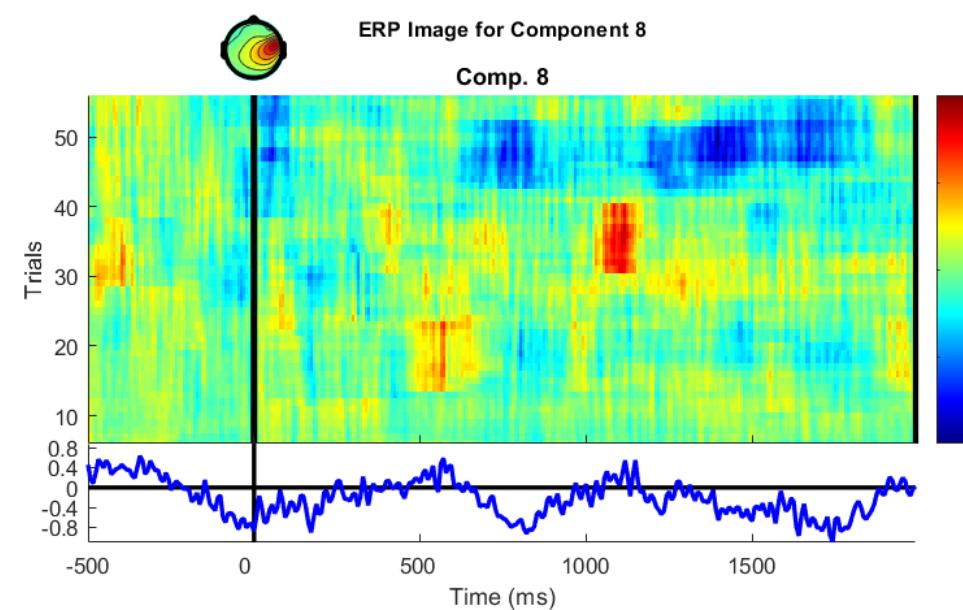
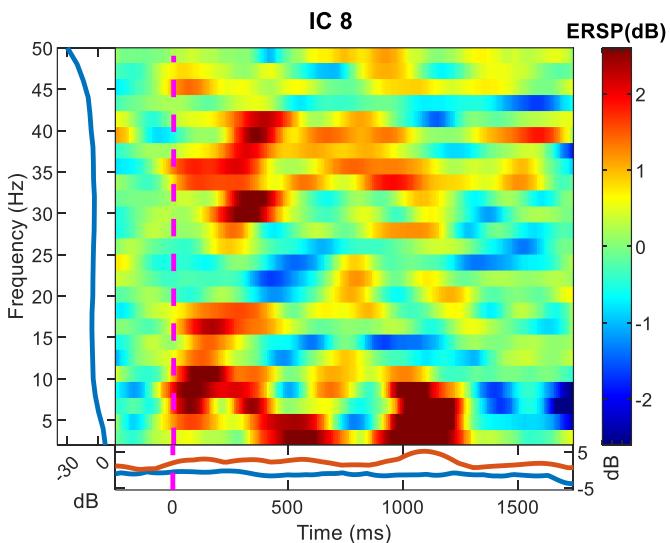
# Occipital O1

Time	+600ms
Theta	increase
Alpha	decrease



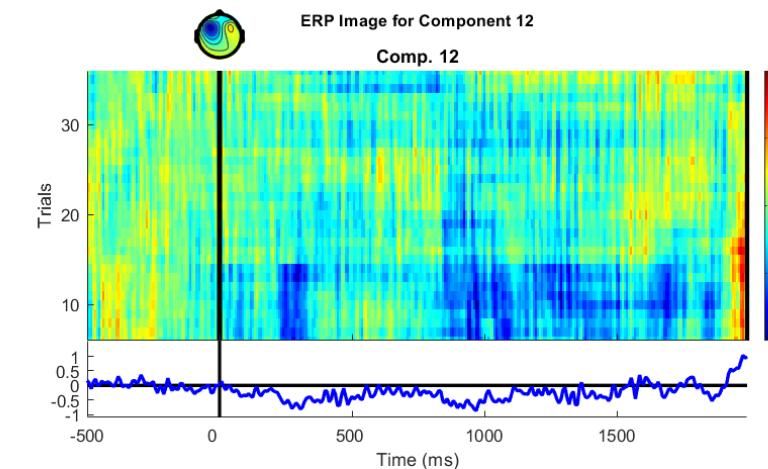
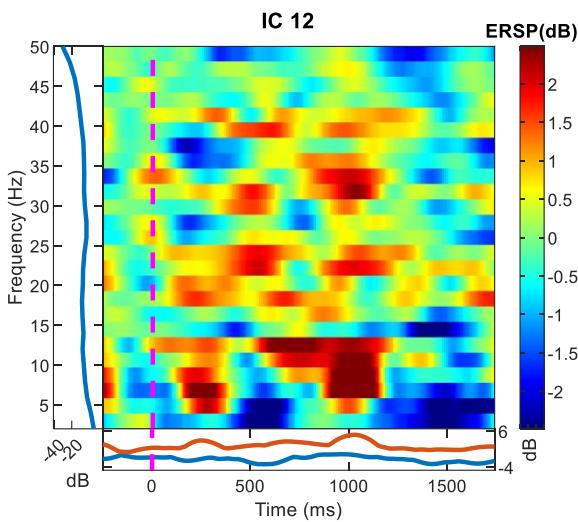
# 109\_16\_2

Frontal FC6		
Time	+1100ms	
Theta	increase	
Alpha	decrease	



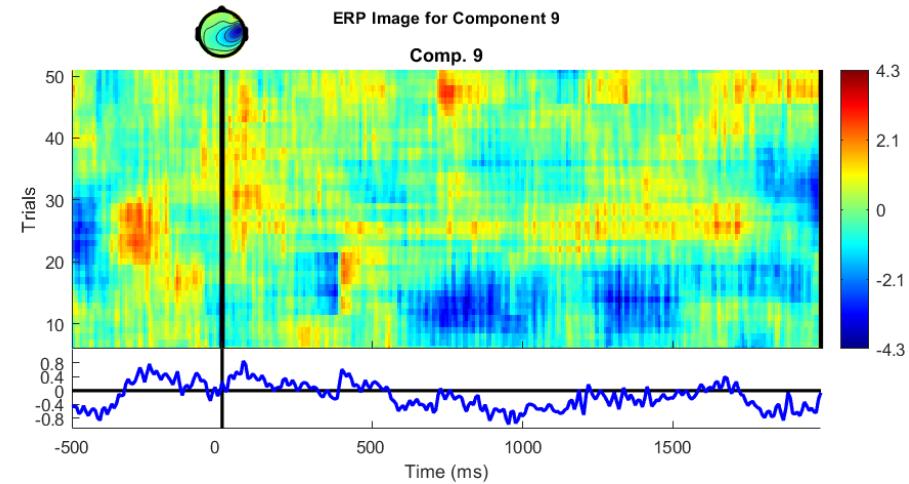
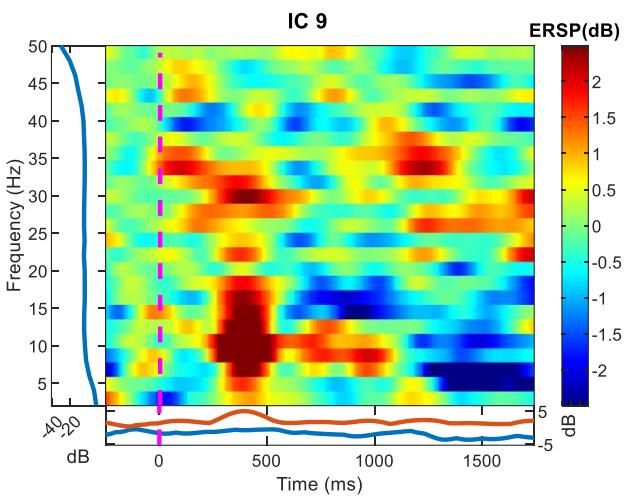
109\_17\_1

Frontal F4		
Time	+210ms	
Theta	increase	
Alpha	decrease	



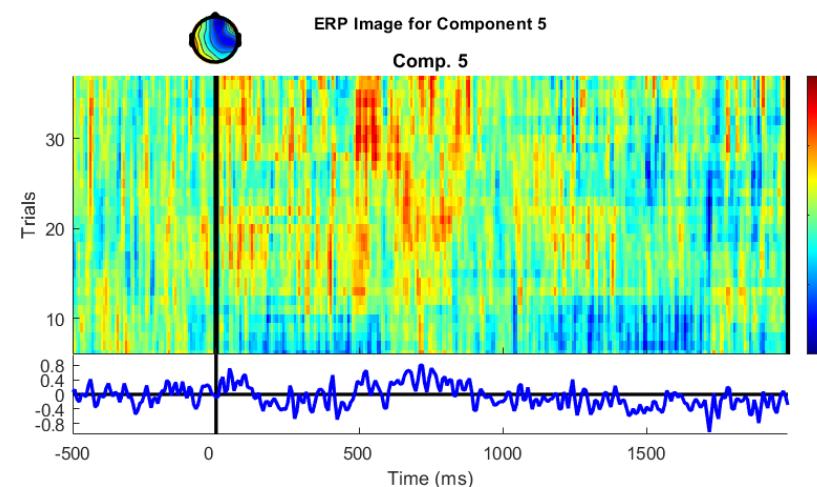
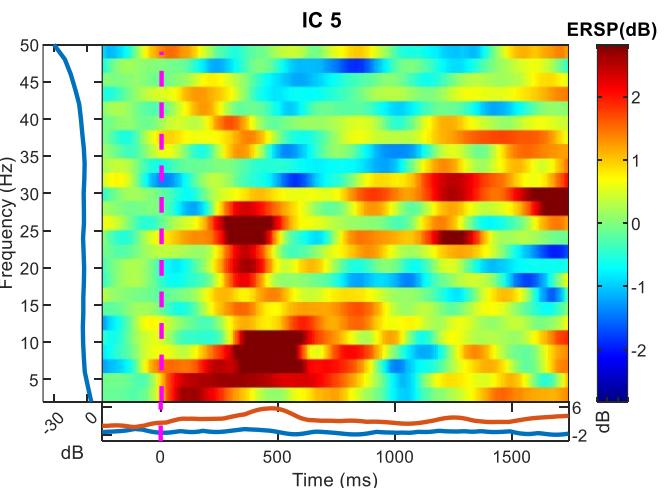
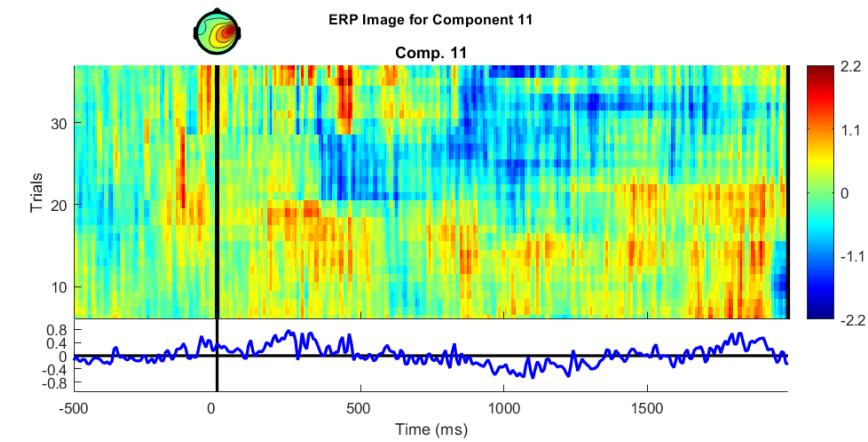
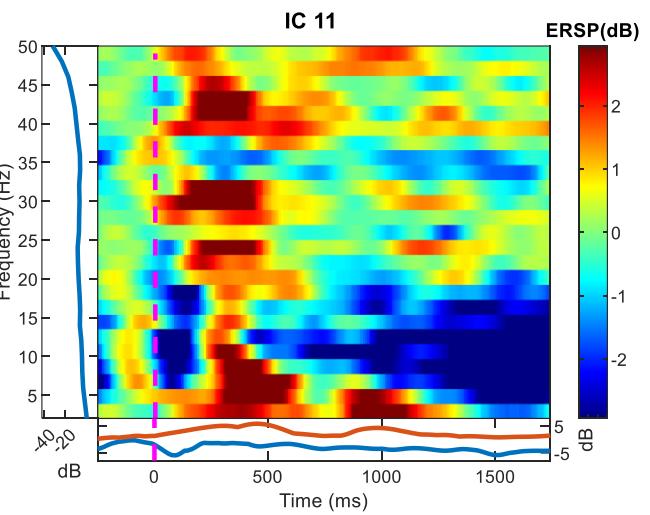
# 109\_17\_2

Frontal FC6		
Time	+400ms	
Theta	increase	
Alpha	decrease	



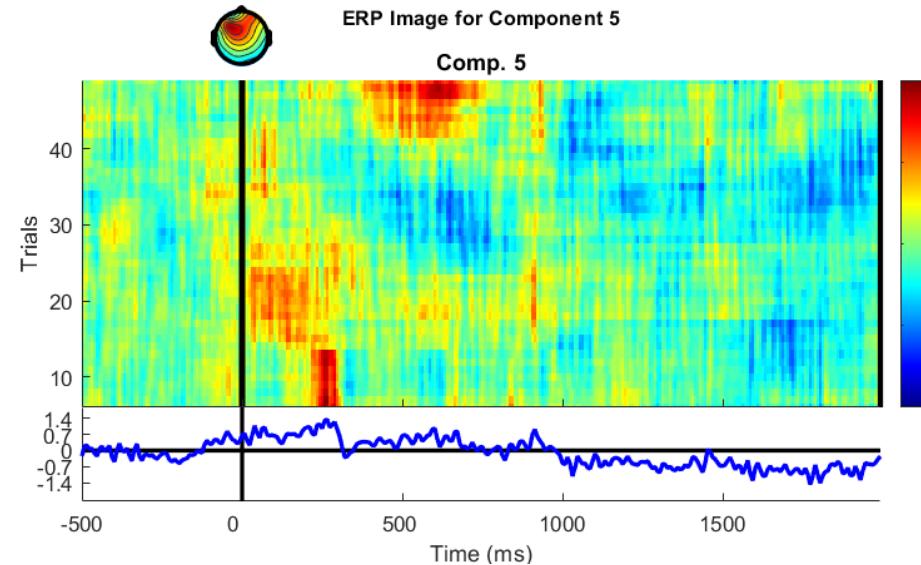
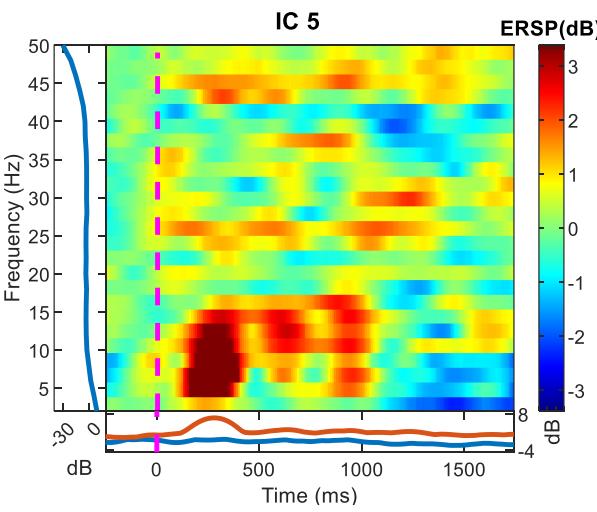
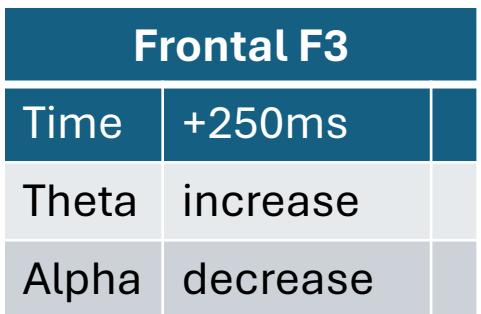
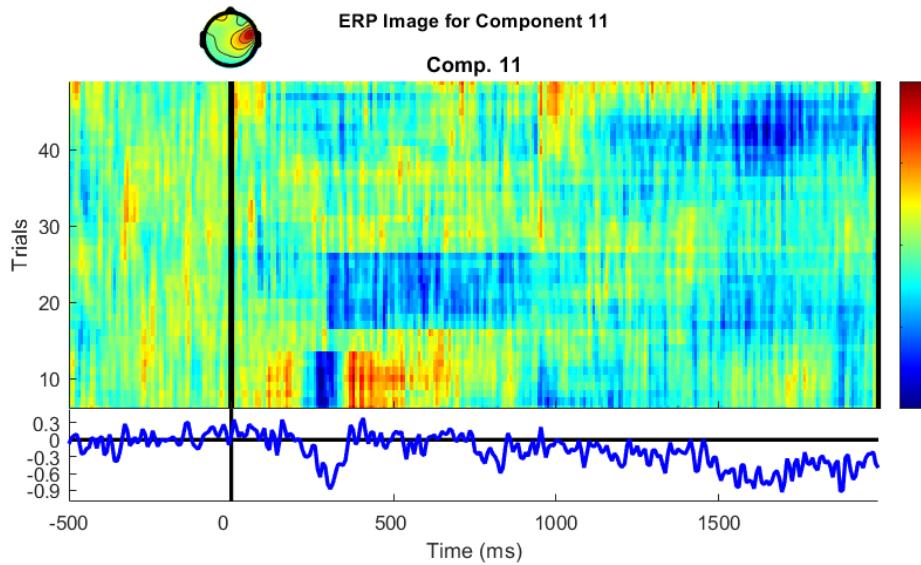
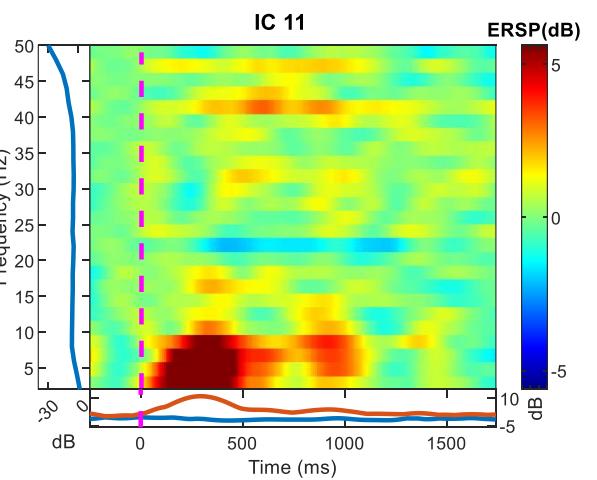
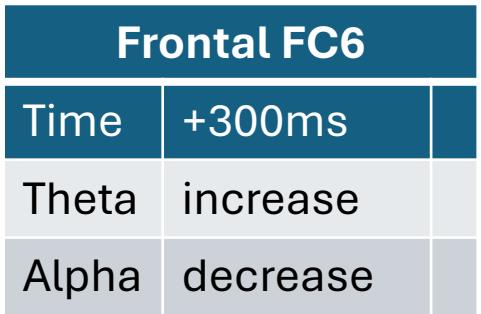
# 109\_18\_1

Frontal FC6		
Time	+400ms	
Theta	increase	
Alpha	decrease	



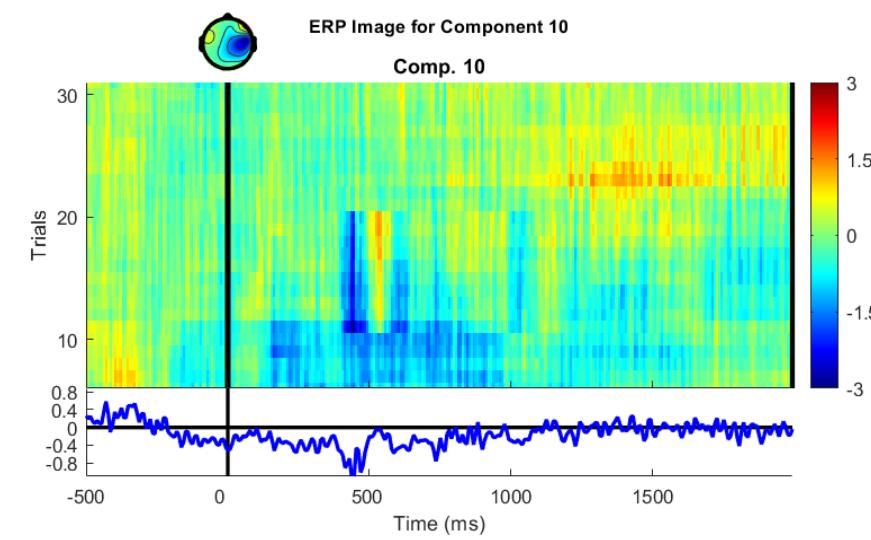
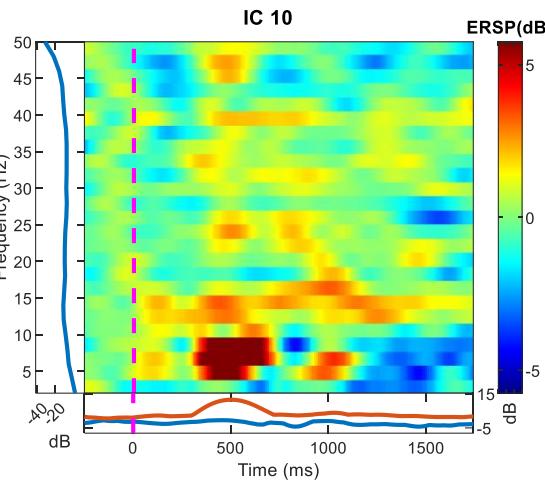
Frontal F8		
Time	+500ms	
Theta	increase	
Alpha	decrease	

# 109\_18\_2

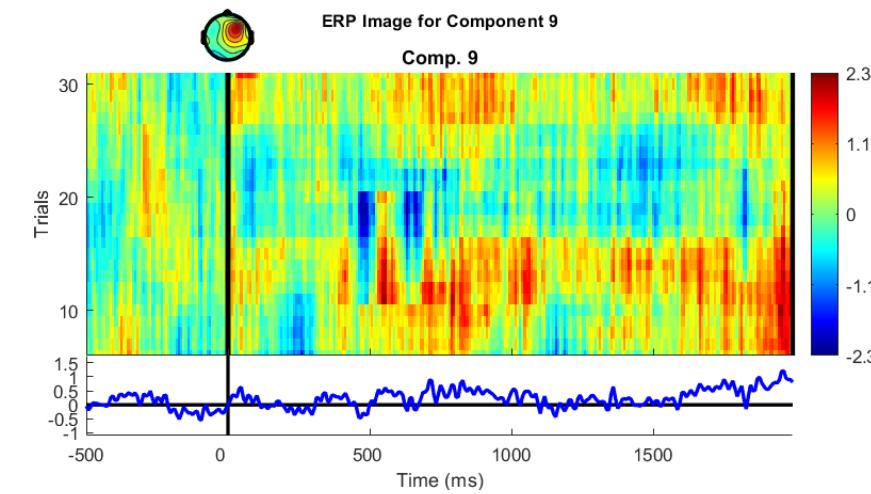
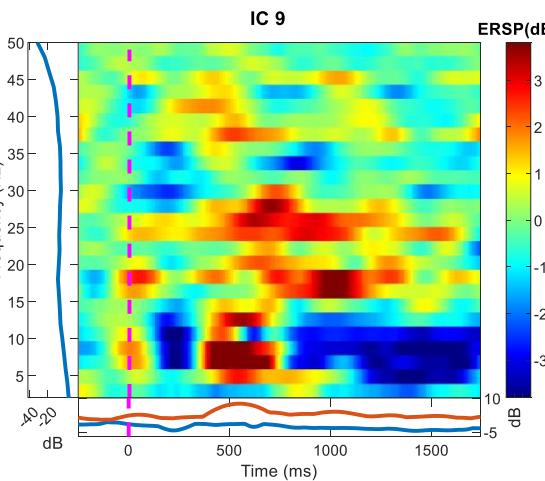


# 109\_19\_1

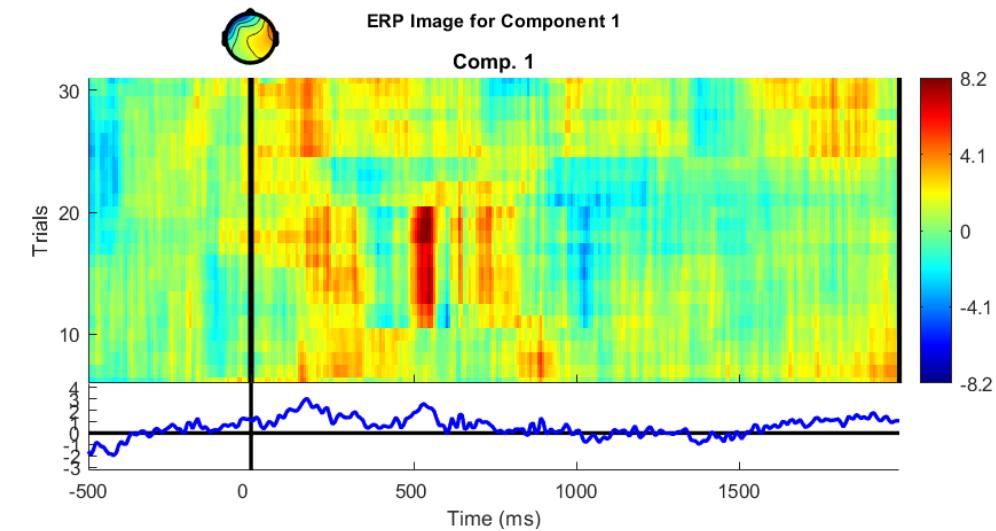
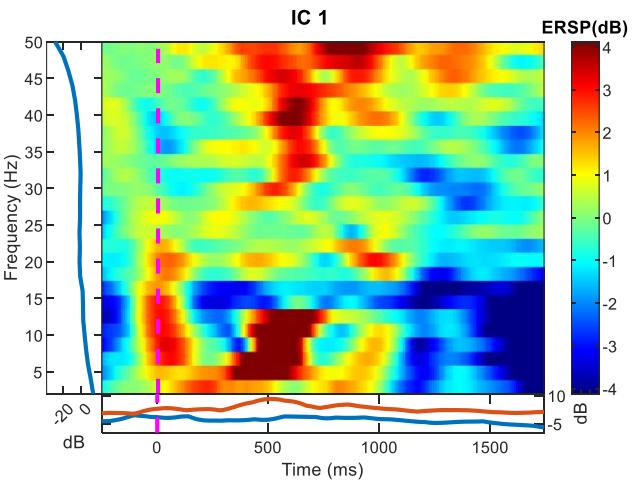
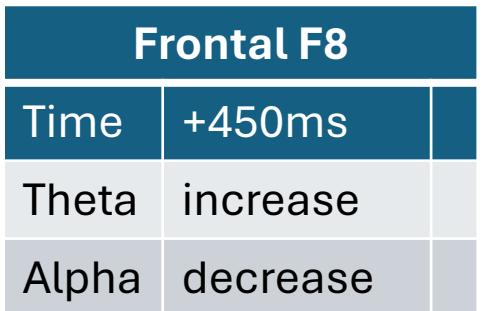
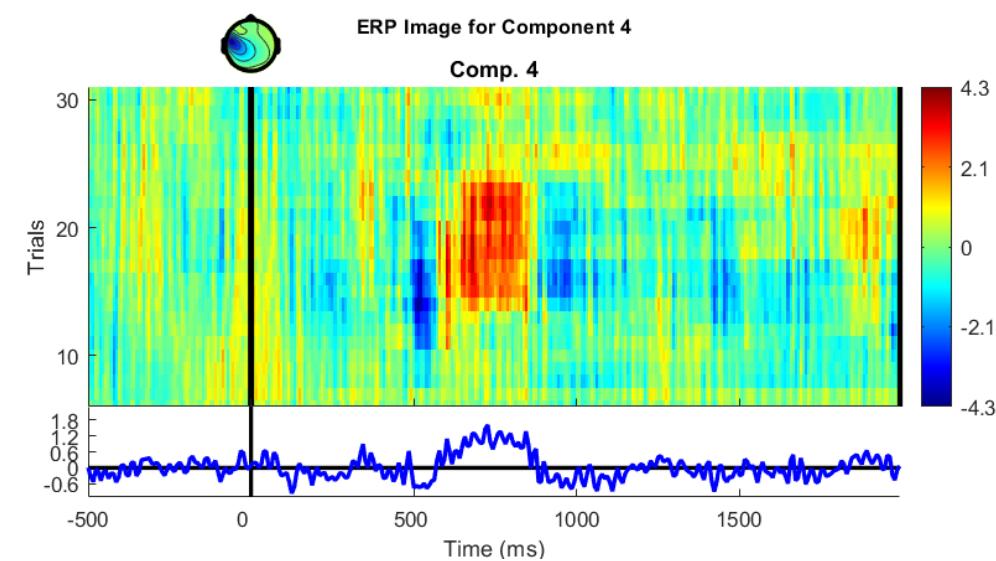
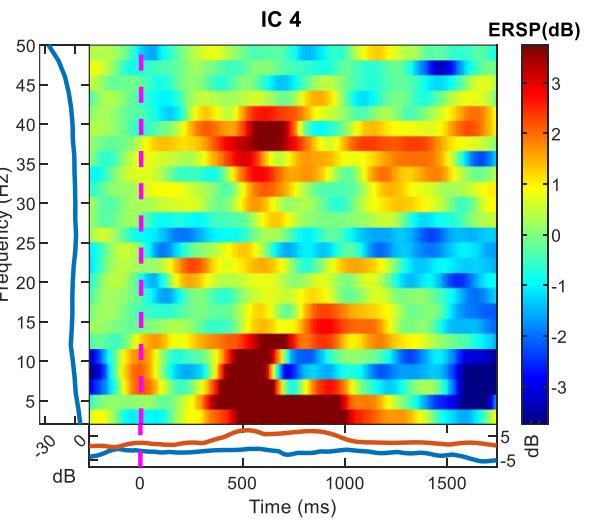
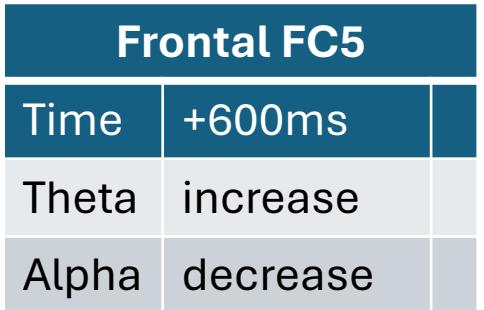
Frontal FC6		
Time	+500ms	
Theta	increase	
Alpha	decrease	



Frontal F4		
Time	+510ms	
Theta	increase	
Alpha	decrease	

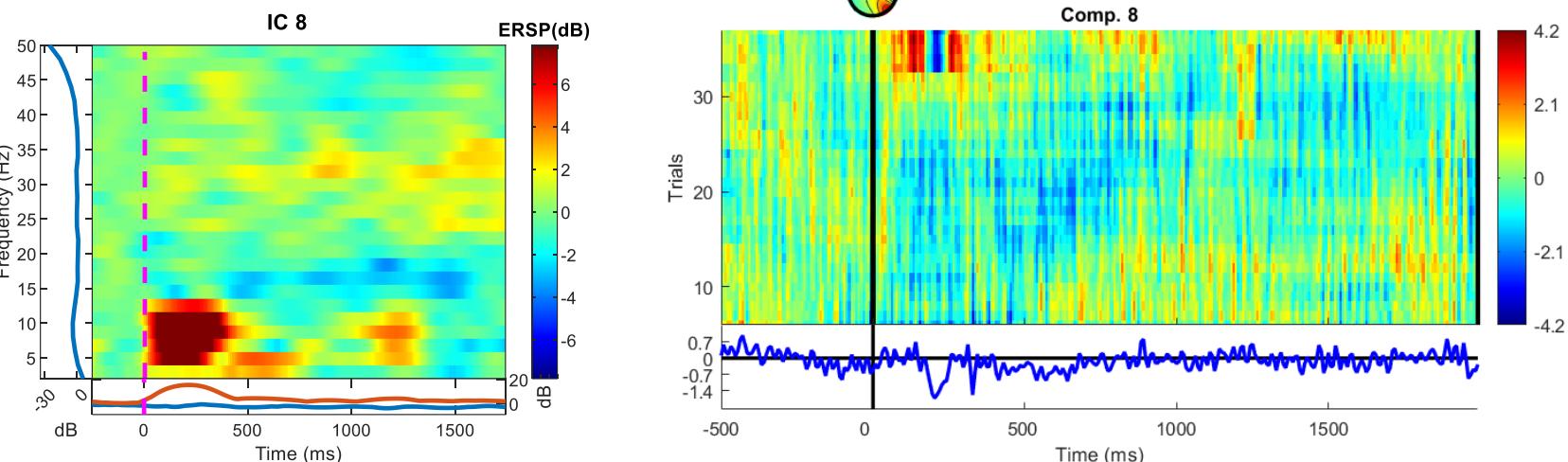


# 109\_19\_1

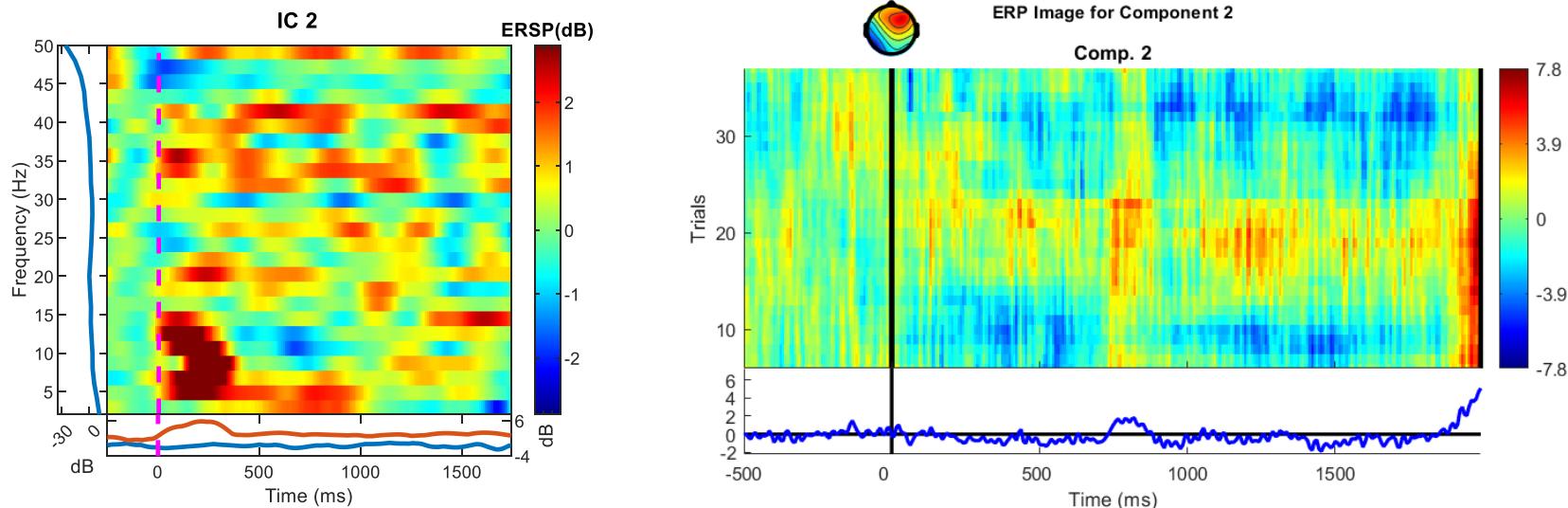


# 109\_20\_2

Parietal P8		
Time	+200ms	
Theta	increase	
Alpha	decrease	



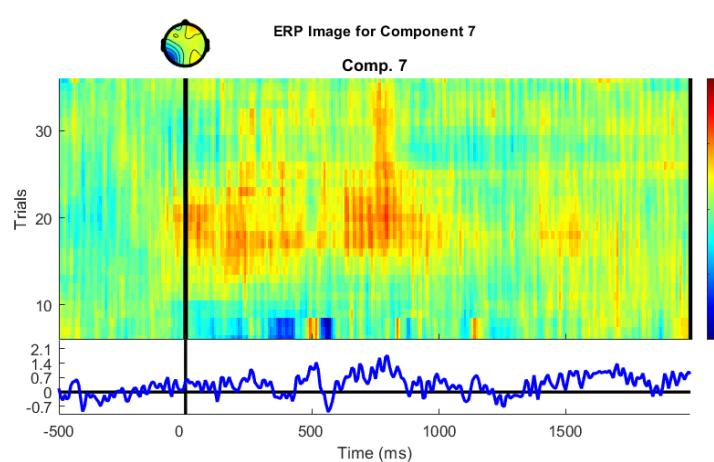
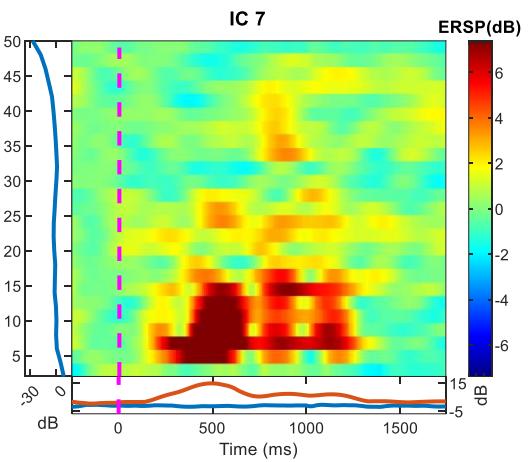
Frontal F4		
Time	+200ms	
Theta	increase	
Alpha	decrease	



# 109\_21\_1

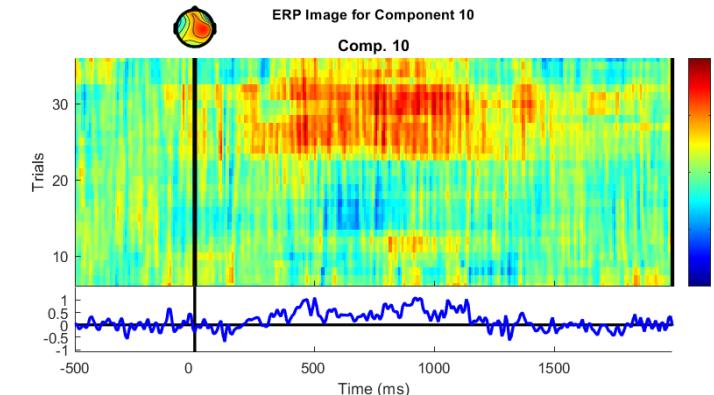
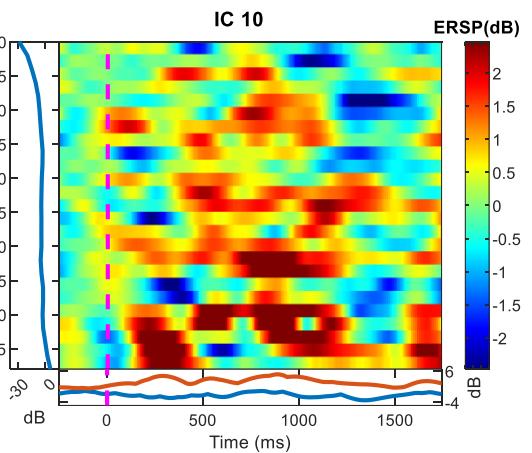
## Parietal P7

Time	+500ms	
Theta	increase	
Alpha	decrease	



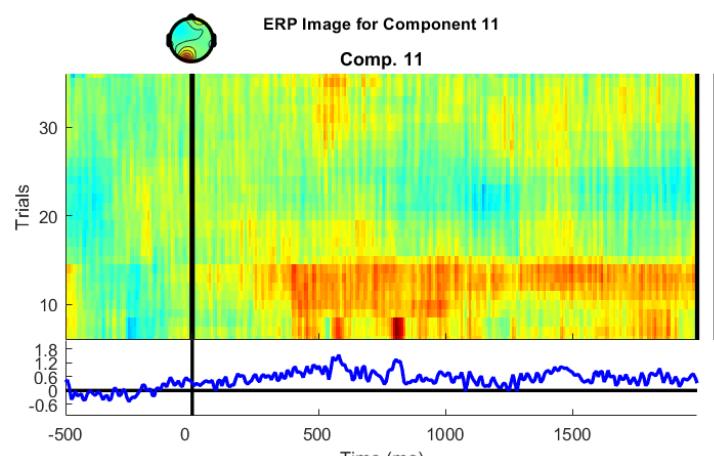
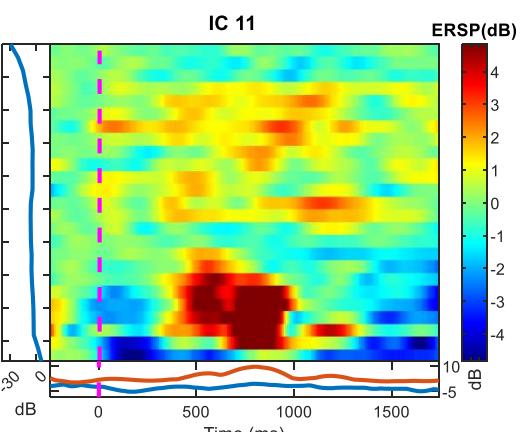
## Frontal FC6

Time	+300ms	
Theta	increase	
Alpha	decrease	

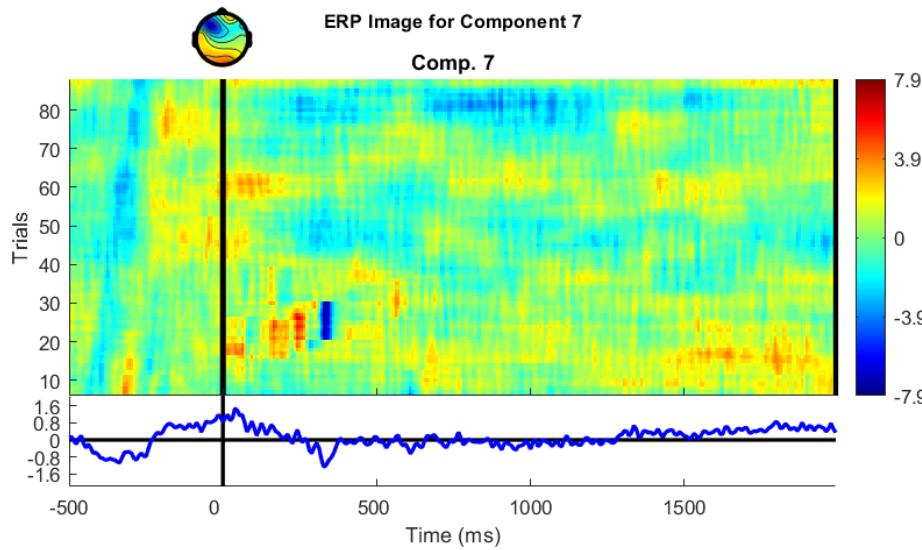
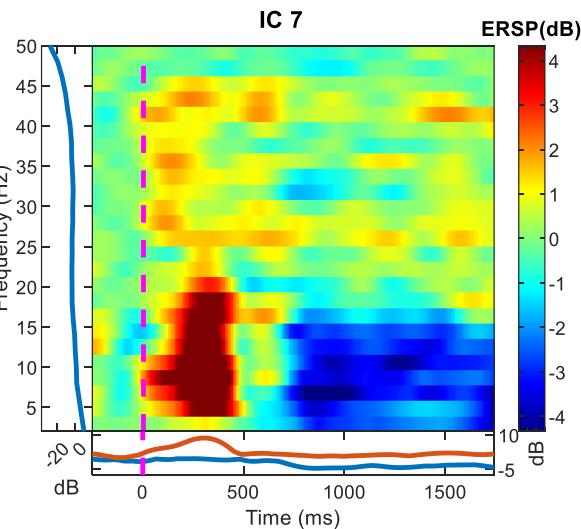
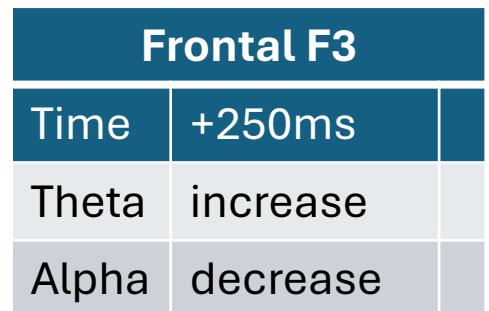
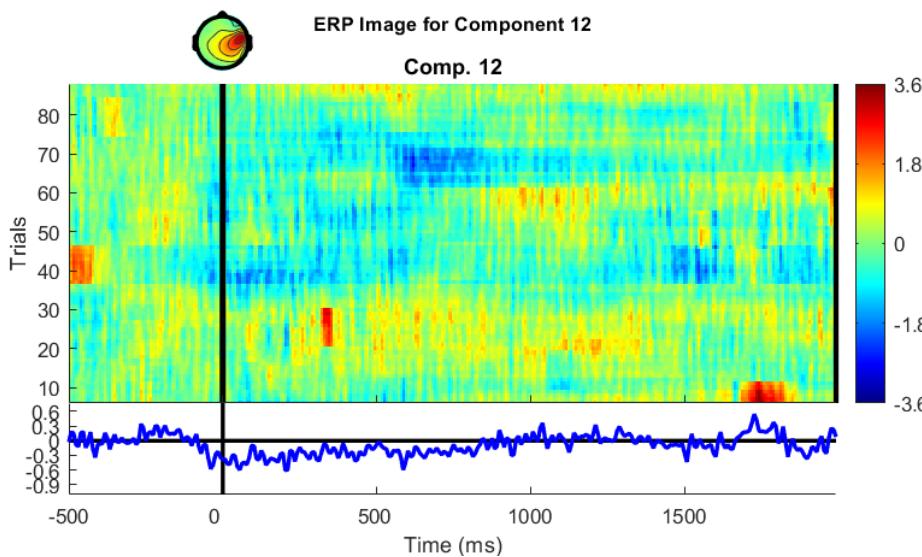
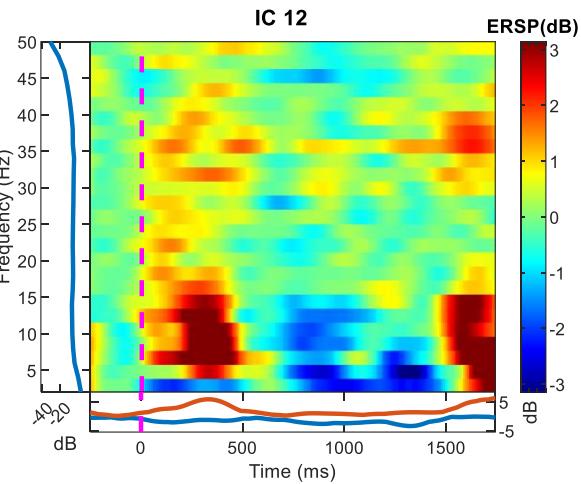
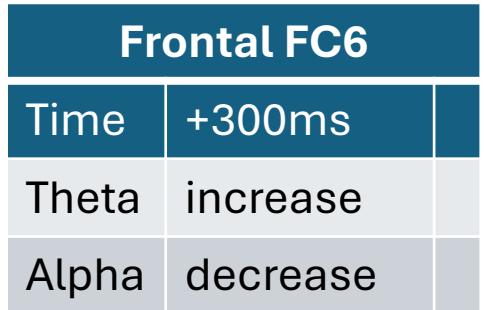


## Occipital O1

Time	+600ms	
Theta	increase	
Alpha	decrease	

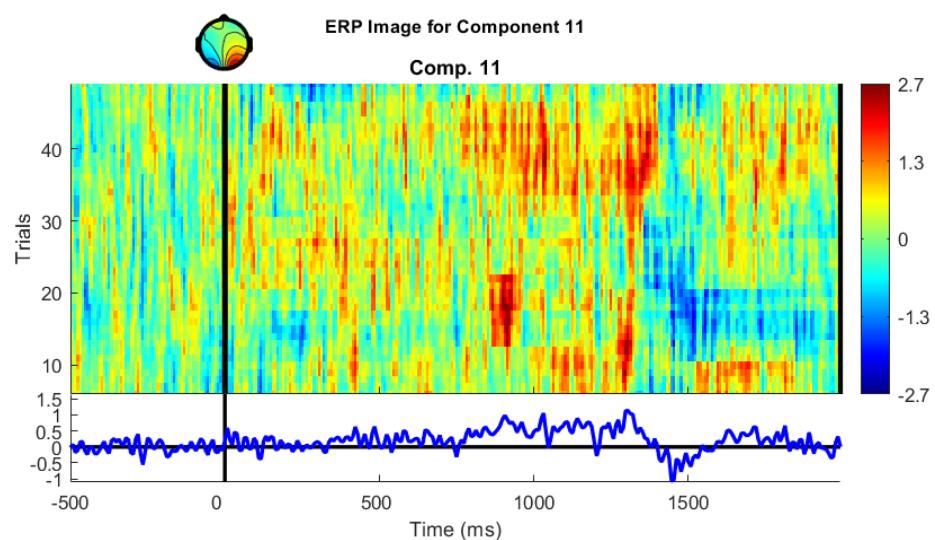
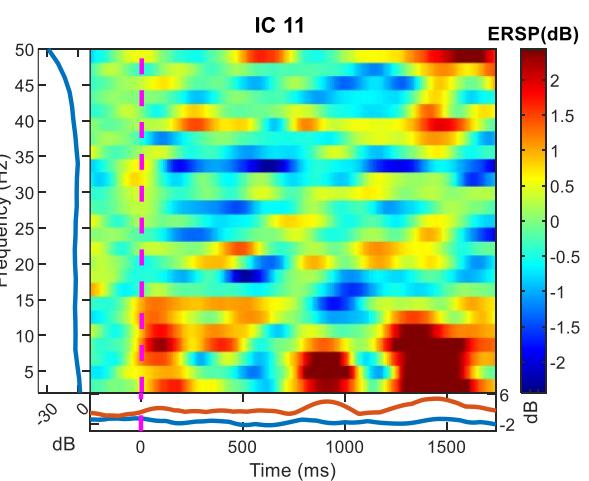


109\_21\_3

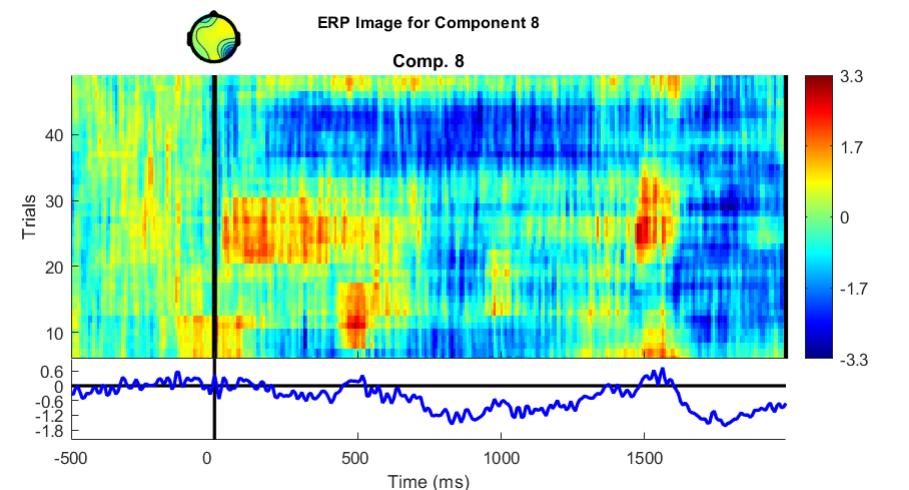
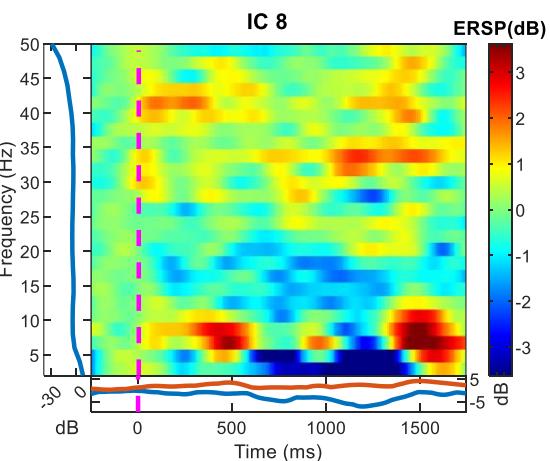


# 109\_22\_2

Occipital O2	
Time	+900ms
Theta	increase
Alpha	decrease

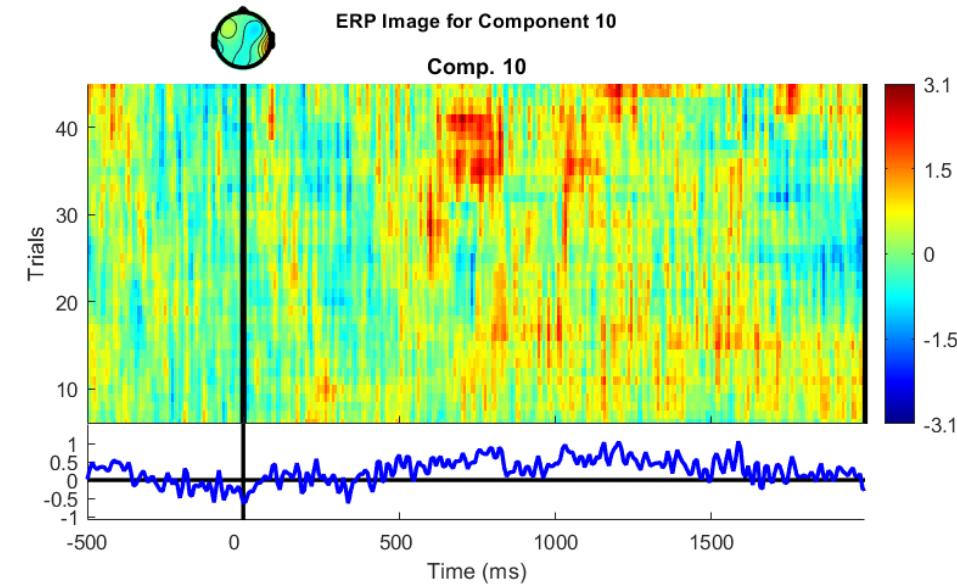
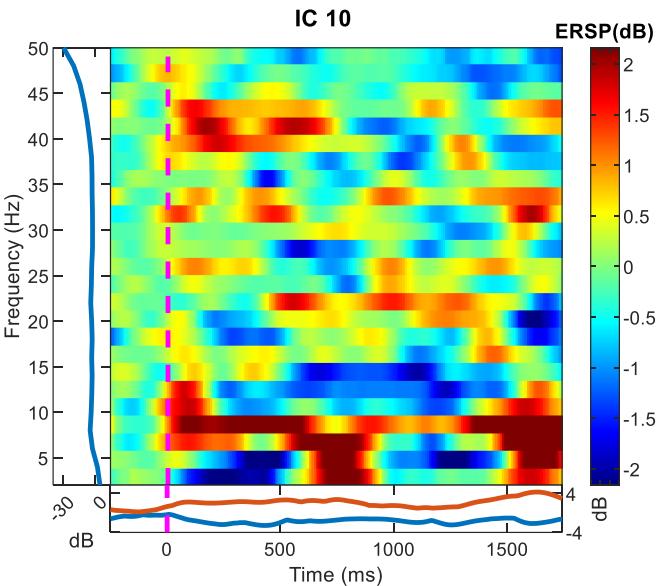


Parietal P8	
Time	+470ms
Theta	increase
Alpha	decrease



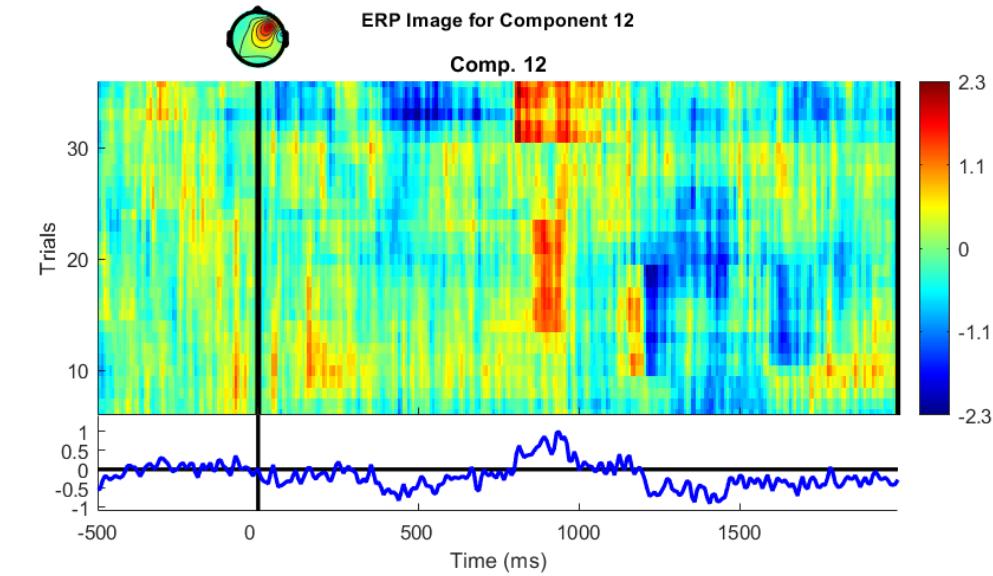
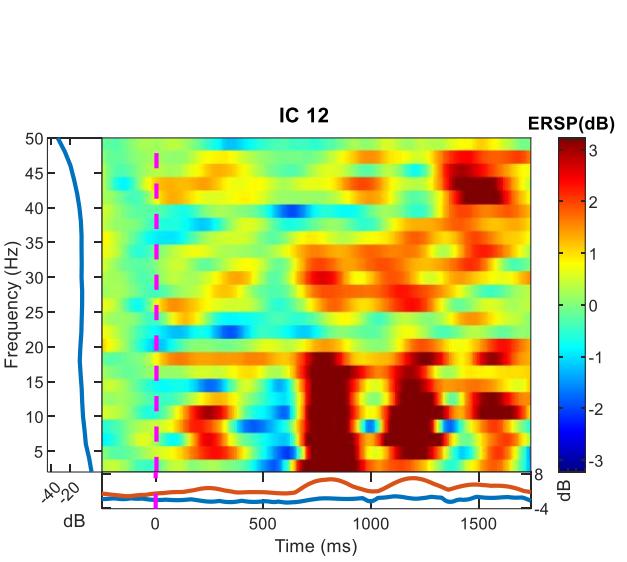
# 109\_22\_3

Parietal P8		
Time	+790ms	
Theta	increase	
Alpha	decrease	



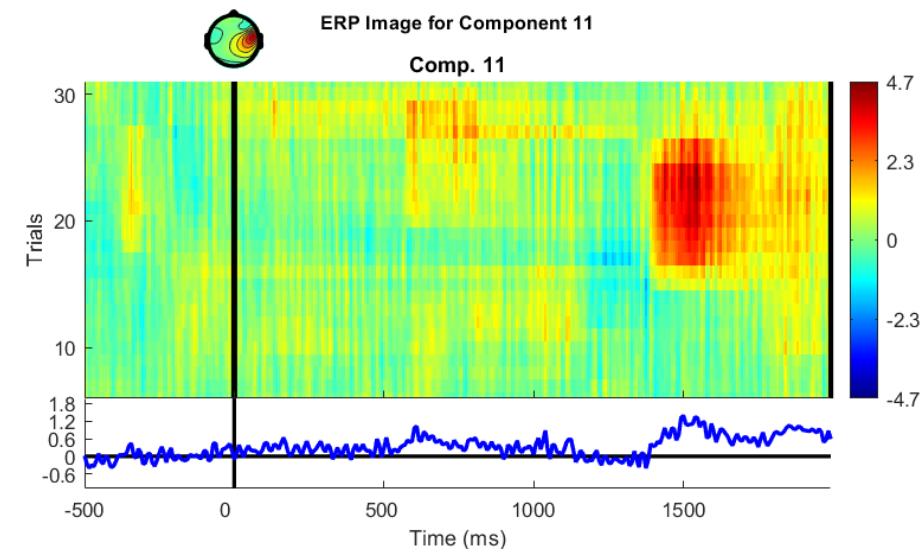
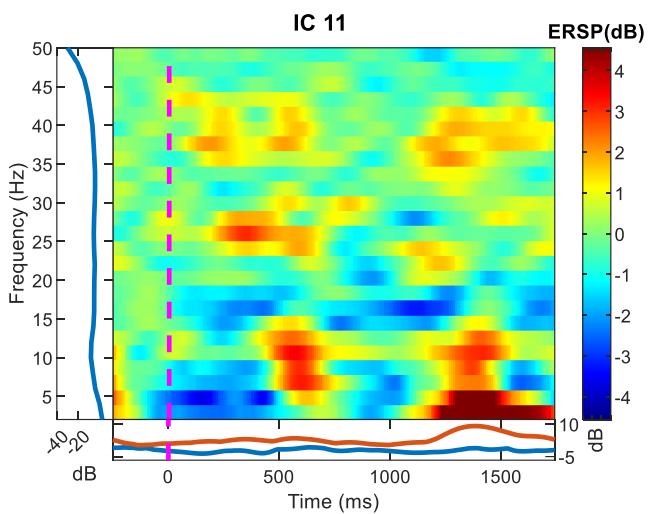
# 109\_23\_1

Frontal F4		
Time	+800ms	
Theta	increase	
Alpha	decrease	



# 109\_24\_1

Frontal FC6		
Time	+1400ms	
Theta	increase	
Alpha	decrease	



# Theta Regional

Theta = 4:8

Baseline = [-150,0]

Window = [-100, +100]

===== All Regions Summary =====

Region: Left-Frontal

Components processed: 13

p-value (Early vs Middle): 0.95712 (decrease)

p-value (Middle vs Later): 0.4492929 (decrease)

p-value (Early vs Later): 0.45321982 (decrease)

-----  
Region: Right-Frontal

Components processed: 33

p-value (Early vs Middle): 0.90145 (increase)

p-value (Middle vs Later): 0.51380745 (increase)

p-value (Early vs Later): 0.41182158 (increase)

-----  
Region: Left-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

-----  
Region: Right-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

-----  
Region: Left-Occipital

Components processed: 4

p-value (Early vs Middle): 0.31418 (increase)

p-value (Middle vs Later): 0.72111239 (increase)

p-value (Early vs Later): 0.41307885 (increase)

-----  
Region: Right-Occipital

Components processed: NA

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

-----  
Region: Left-Parietal

Components processed: 4

p-value (Early vs Middle): 0.4325 (decrease)

p-value (Middle vs Later): 0.58308009 (decrease)

p-value (Early vs Later): 0.16973536 (decrease)

-----  
Region: Right-Parietal

Components processed: 11

p-value (Early vs Middle): 0.20867 (increase)

p-value (Middle vs Later): 0.013149225 (decrease)

p-value (Early vs Later): 0.4856589 (decrease)

# Theta Regional

Theta = 4:7

Baseline = [-150,0]

Window = [-150, +150]

## ===== All Regions Summary =====

Region: Left-Frontal

Components processed: 13

p-value (Early vs Middle): 0.70666 (decrease)

p-value (Middle vs Later): 0.31538719 (decrease)

p-value (Early vs Later): 0.55468554 (decrease)

---

Region: Right-Frontal

Components processed: 33

p-value (Early vs Middle): 0.37848 (increase)

p-value (Middle vs Later): 0.64949886 (increase)

p-value (Early vs Later): 0.15369635 (increase)

---

Region: Left-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

---

Region: Right-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

---

Region: Left-Occipital

Components processed: 4

p-value (Early vs Middle): 0.14504 (increase)

p-value (Middle vs Later): 0.95030121 (increase)

p-value (Early vs Later): 0.063721298 (increase)

---

Region: Right-Occipital

Components processed: NA

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

---

Region: Left-Parietal

Components processed: 4

p-value (Early vs Middle): 0.78907 (increase)

p-value (Middle vs Later): 0.70298743 (decrease)

p-value (Early vs Later): 0.76621601 (decrease)

---

Region: Right-Parietal

Components processed: 11

p-value (Early vs Middle): 0.038226 (increase)

p-value (Middle vs Later): 0.0062307204 (decrease)

p-value (Early vs Later): 0.85864697 (decrease)

# Theta Regional

Theta = 4:8

Baseline = [-150,0]

Window = [-150, +150]

===== All Regions Summary =====

Region: Left-Frontal

Components processed: 13

p-value (Early vs Middle): 0.68661 (decrease)

p-value (Middle vs Later): 0.37314588 (decrease)

p-value (Early vs Later): 0.65119708 (decrease)

Region: Right-Frontal

Components processed: 33

p-value (Early vs Middle): 0.33918 (increase)

p-value (Middle vs Later): 0.51940713 (increase)

p-value (Early vs Later): 0.081817259 (increase)

Region: Left-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

Region: Right-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

-----

Region: Left-Occipital

Components processed: 4

p-value (Early vs Middle): 0.09549 (increase)

p-value (Middle vs Later): 0.78128467 (increase)

p-value (Early vs Later): 0.081764447 (increase)

-----

Region: Right-Occipital

Components processed: NA

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

-----

Region: Left-Parietal

Components processed: 4

p-value (Early vs Middle): 0.80268 (increase)

p-value (Middle vs Later): 0.60629367 (decrease)

p-value (Early vs Later): 0.70579723 (increase)

-----

Region: Right-Parietal

Components processed: 11

p-value (Early vs Middle): 0.034226 (increase)

p-value (Middle vs Later): 0.0097258255 (decrease)

p-value (Early vs Later): 0.92302263 (decrease)

# Theta Regional

Theta = 4:8  
Baseline = [-150,0]  
Window = [-200, +150]



## ===== All Regions Summary =====

Region: Left-Frontal

Components processed: 13

p-value (Early vs Middle): 0.54101 (increase)

p-value (Middle vs Later): 0.34087232 (decrease)

p-value (Early vs Later): 0.67474194 (decrease)

Region: Right-Frontal

Components processed: 33

p-value (Early vs Middle): 0.44285 (increase)

p-value (Middle vs Later): 0.28045734 (increase)

p-value (Early vs Later): 0.040051401 (increase)

Region: Left-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

Region: Right-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

Region: Left-Occipital

Components processed: 4

p-value (Early vs Middle): 0.17257 (increase)

p-value (Middle vs Later): 0.74671408 (increase)

p-value (Early vs Later): 0.24908934 (increase)

Region: Right-Occipital

Components processed: NA

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

Region: Left-Parietal

Components processed: 4

p-value (Early vs Middle): 0.9742 (decrease)

p-value (Middle vs Later): 0.56028966 (increase)

p-value (Early vs Later): 0.53215277 (increase)

Region: Right-Parietal

Components processed: 11

p-value (Early vs Middle): 0.019677 (increase)

p-value (Middle vs Later): 0.0036249617 (decrease)

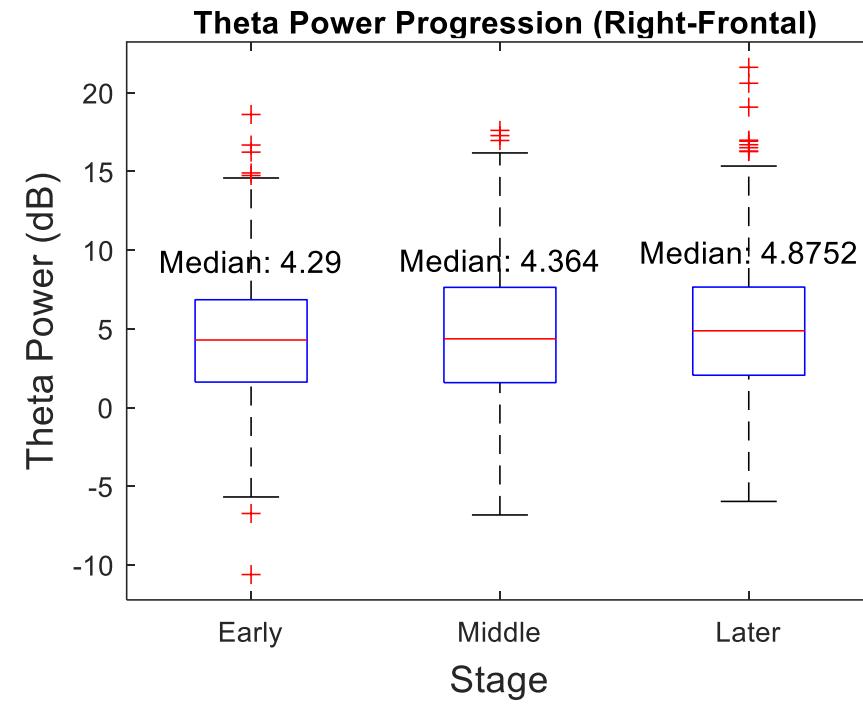
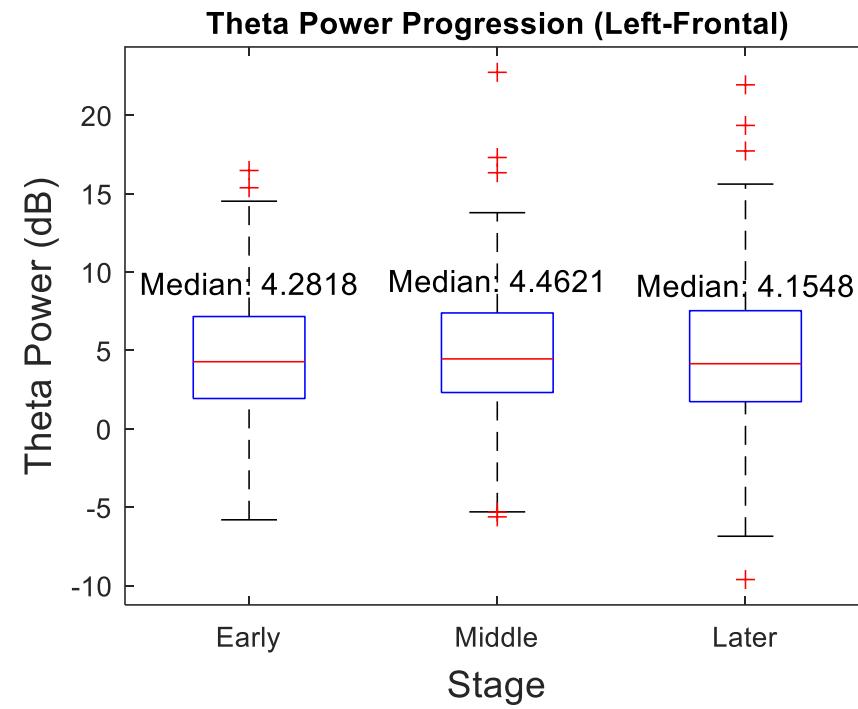
p-value (Early vs Later): 0.95014608 (decrease)

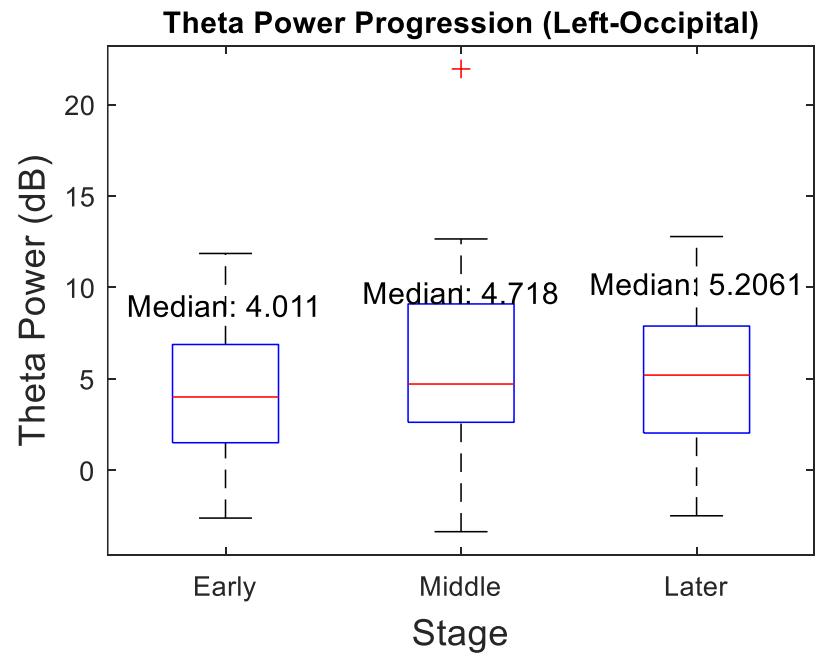
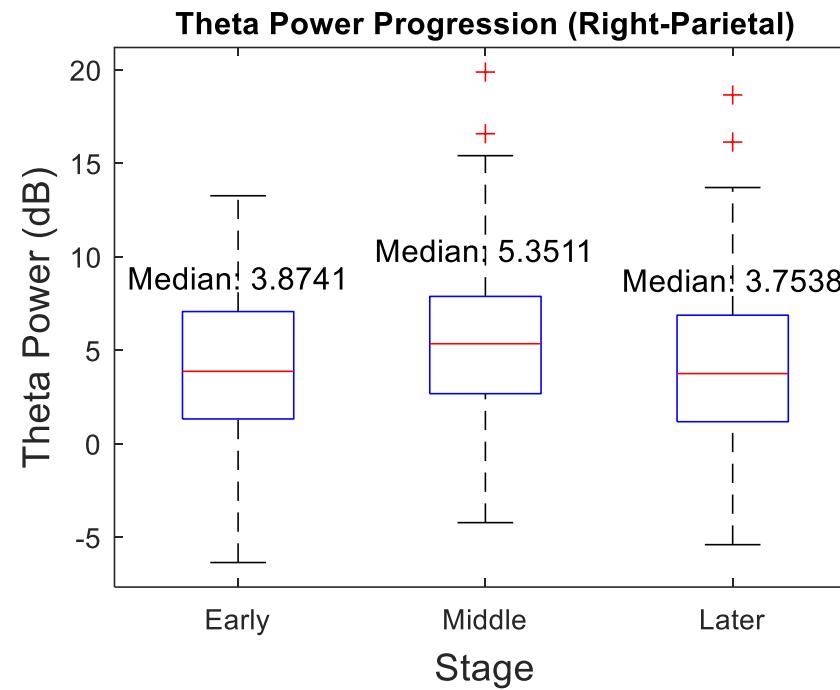
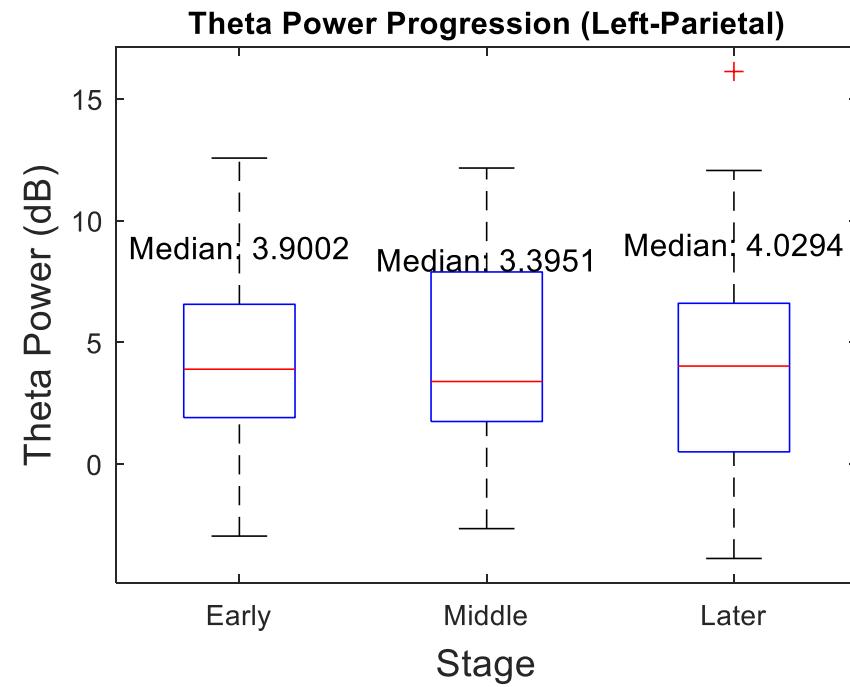
Progression

Theta = 4:8

Baseline = [-150,0]

Window = [-200, +150]





# Theta Regional

Theta = 4:8  
Baseline = [-150,0]  
Window = [-200, +200]

## ===== All Regions Summary =====

Region: Left-Frontal  
Components processed: 13  
p-value (Early vs Middle): 0.46671 (increase)  
p-value (Middle vs Later): 0.17071499 (decrease)  
p-value (Early vs Later): 0.46936833 (decrease)

---

Region: Right-Frontal  
Components processed: 33  
p-value (Early vs Middle): 0.63054 (decrease)  
p-value (Middle vs Later): 0.22149166 (increase)  
p-value (Early vs Later): 0.063209387 (increase)

---

Region: Left-Temporal  
Components processed: 0  
p-value (Early vs Middle): NA  
p-value (Middle vs Later): NA  
p-value (Early vs Later): NA

---

Region: Right-Temporal  
Components processed: 0  
p-value (Early vs Middle): NA  
p-value (Middle vs Later): NA  
p-value (Early vs Later): NA

Region: Left-Occipital  
Components processed: 4  
p-value (Early vs Middle): 0.13062 (increase)  
p-value (Middle vs Later): 0.37368171 (decrease)  
p-value (Early vs Later): 0.51475651 (increase)

---

Region: Right-Occipital  
Components processed: NA  
p-value (Early vs Middle): NA  
p-value (Middle vs Later): NA  
p-value (Early vs Later): NA

---

Region: Left-Parietal  
Components processed: 4  
p-value (Early vs Middle): 0.99765 (decrease)  
p-value (Middle vs Later): 0.61216103 (increase)  
p-value (Early vs Later): 0.82809164 (decrease)

---

Region: Right-Parietal  
Components processed: 11  
p-value (Early vs Middle): 0.0066327 (increase)  
p-value (Middle vs Later): 0.025501003 (decrease)  
p-value (Early vs Later): 0.40341421 (increase)

# Alpha Regional

Alpha = 9:13

Baseline = [-150,0]

Window = [-200, +150]

## ===== All Regions Summary =====

Region: Left-Frontal

Components processed: 13

p-value (Early vs Middle): 0.76384 (increase)

p-value (Middle vs Later): 0.95232656 (decrease)

p-value (Early vs Later): 0.67258785 (decrease)

Region: Right-Frontal

Components processed: 33

p-value (Early vs Middle): 0.26981 (increase)

p-value (Middle vs Later): 0.093948673 (increase)

**p-value (Early vs Later): 0.0030677943 (increase)**

Region: Left-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

Region: Right-Temporal

Components processed: 0

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

-----

Region: Left-Occipital

Components processed: 4

**p-value (Early vs Middle): 0.023005 (increase)**

**p-value (Middle vs Later): 0.027512845 (decrease)**

p-value (Early vs Later): 0.97601371 (decrease)

-----

Region: Right-Occipital

Components processed: NA

p-value (Early vs Middle): NA

p-value (Middle vs Later): NA

p-value (Early vs Later): NA

-----

Region: Left-Parietal

Components processed: 4

p-value (Early vs Middle): 0.23846 (increase)

p-value (Middle vs Later): 0.42354174 (decrease)

p-value (Early vs Later): 0.94406943 (decrease)

-----

Region: Right-Parietal

Components processed: 11

p-value (Early vs Middle): 0.086525 (increase)

**p-value (Middle vs Later): 0.024868642 (decrease)**

p-value (Early vs Later): 0.88251447 (decrease)