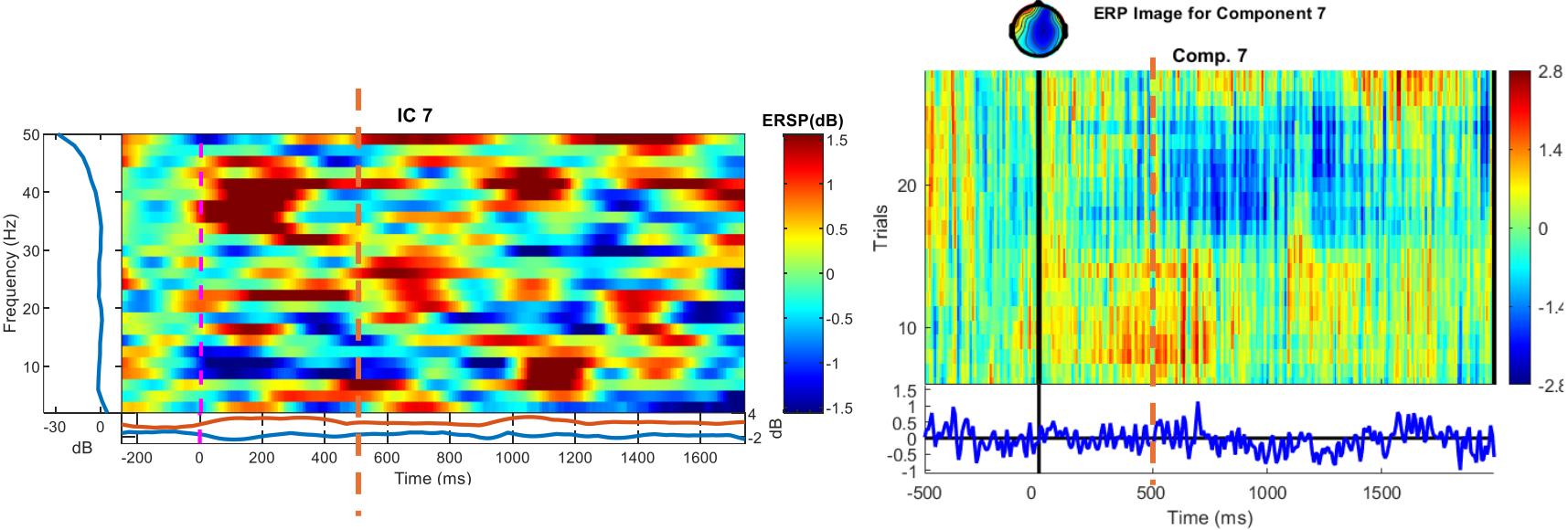


101

# 101\_1\_2

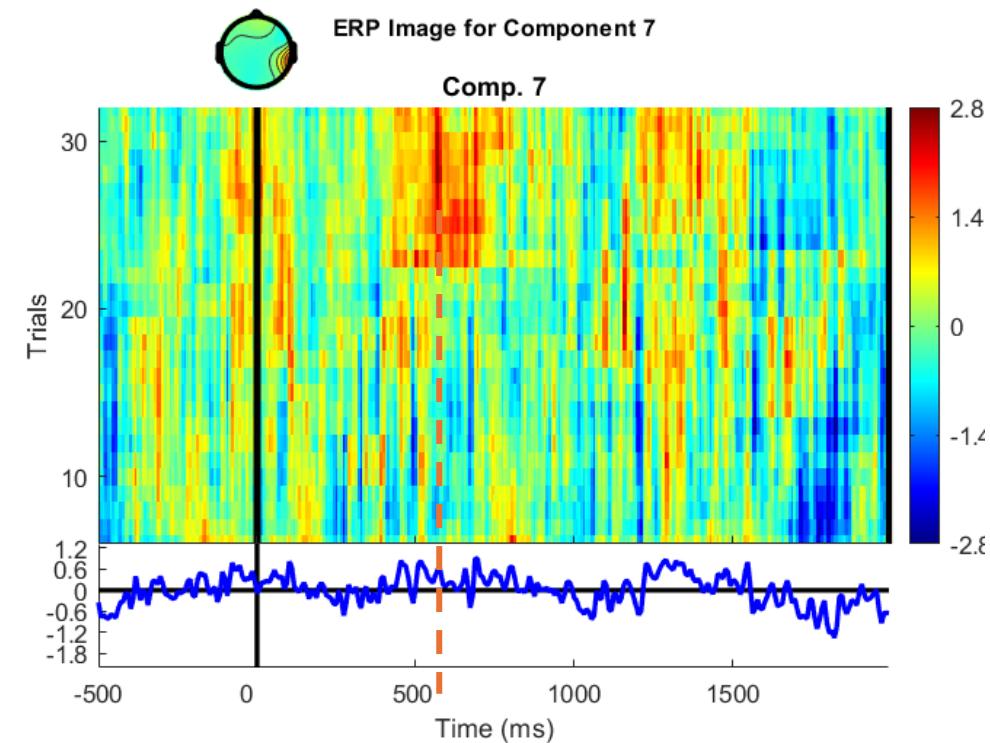
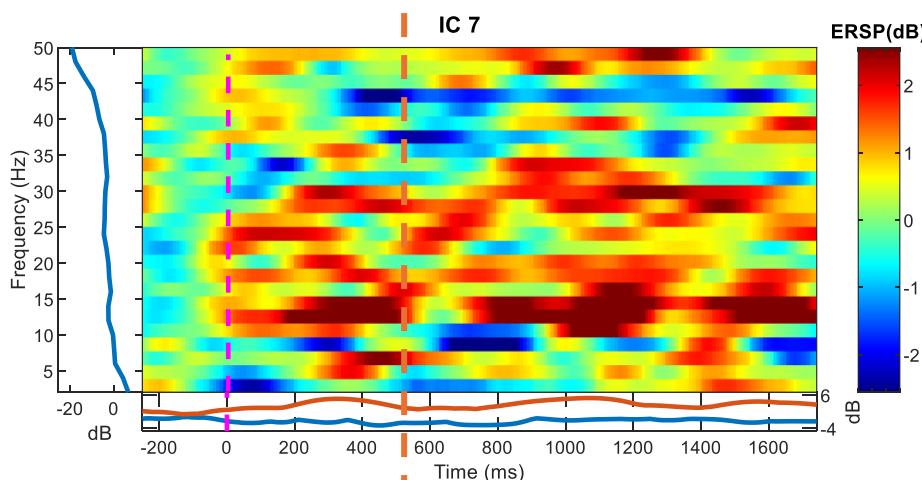
Frontal F4		
Time	+500ms	
Theta	increase	
Alpha	decrease	



Early Stage

# 101\_2\_2

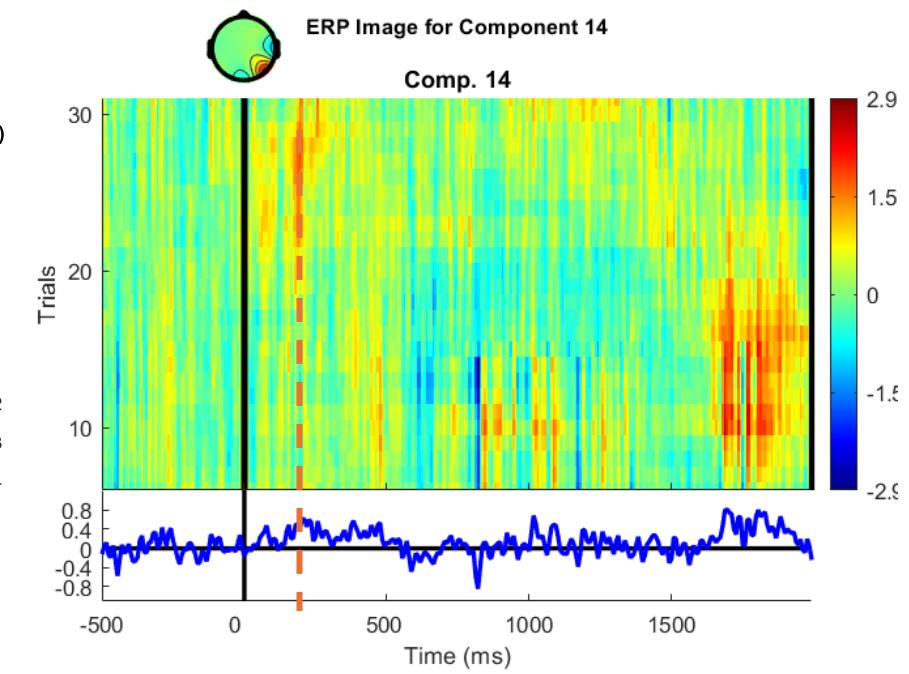
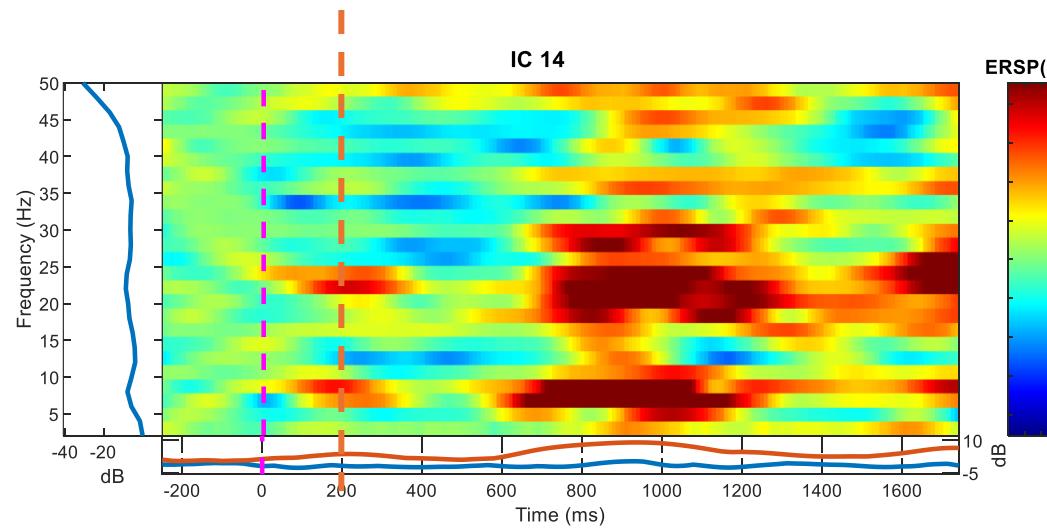
Temporal T8		
Time	+550ms	
Theta	increase	
Alpha	decrease	



Early Stage

# 101\_3\_1

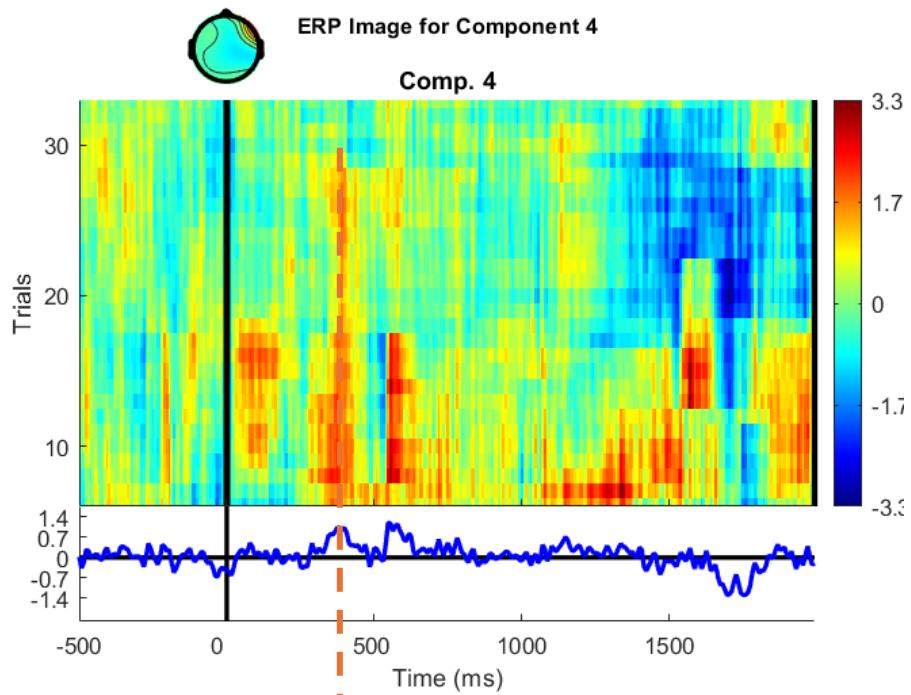
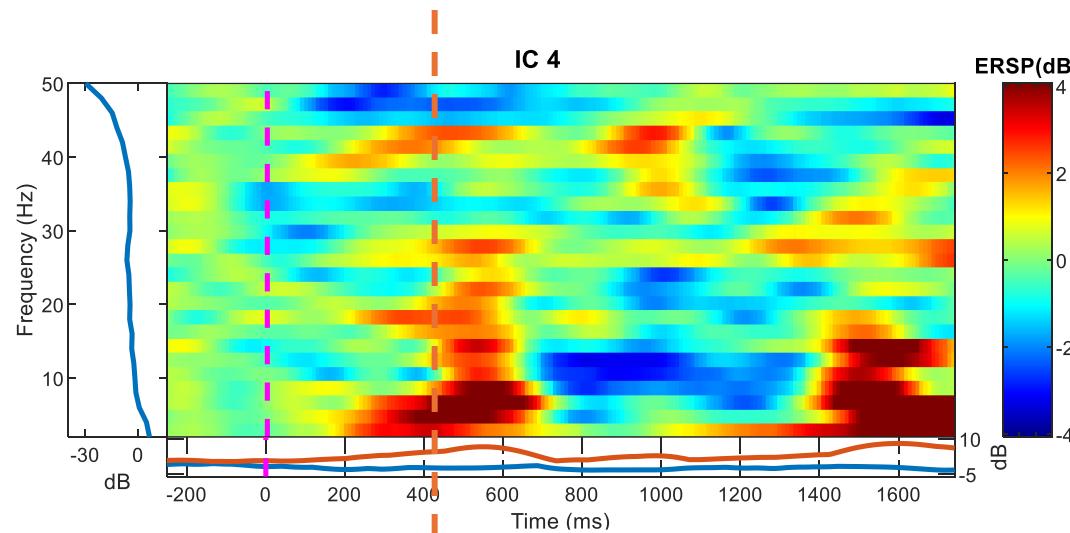
Parietal P8		
Time	+200ms	
Theta	increase	
Alpha	decrease	



Early Stage

# 101\_3\_2

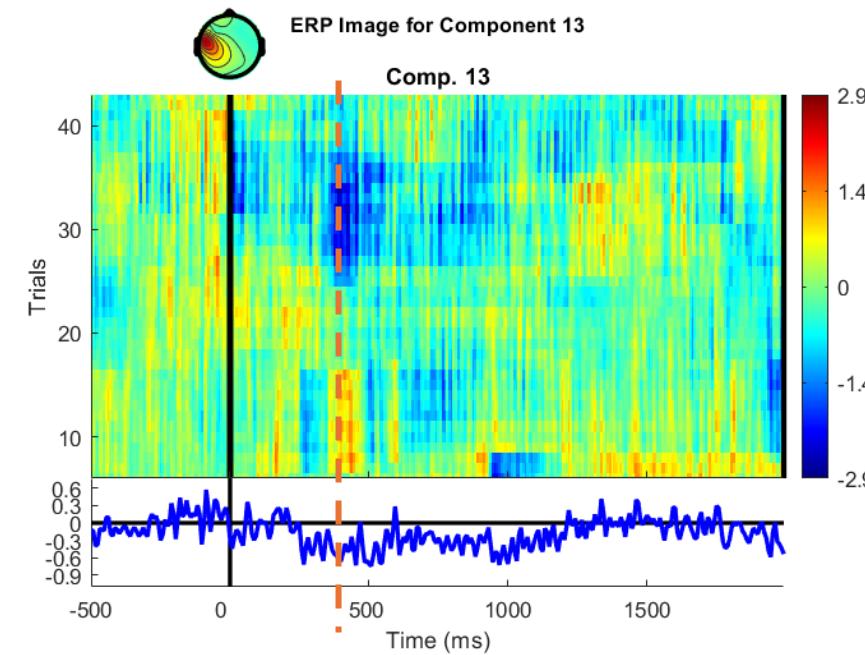
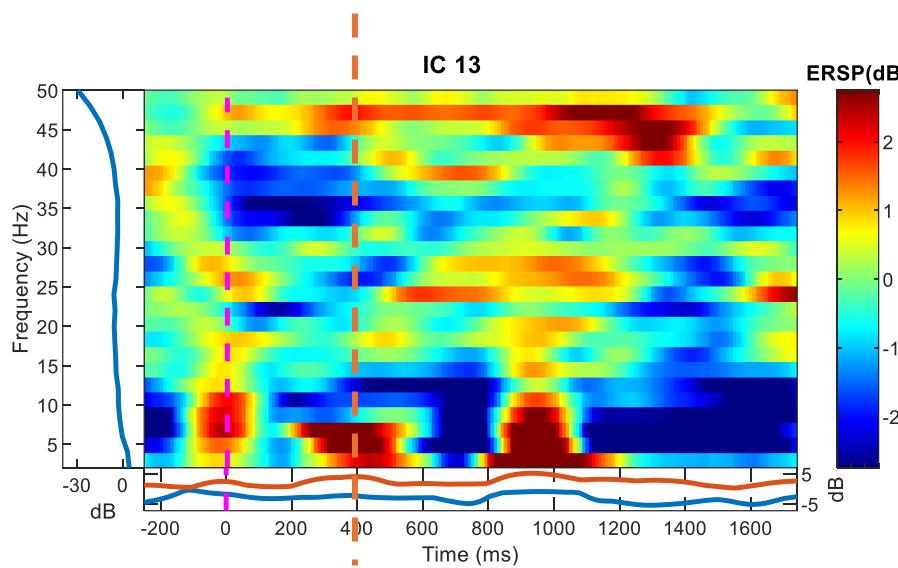
Frontal F8		
Time	+450ms	
Theta	increase	
Alpha	decrease	



Early Stage

# 101\_3\_3

Frontal FC5	
Time	+400ms
Theta	increase
Alpha	decrease

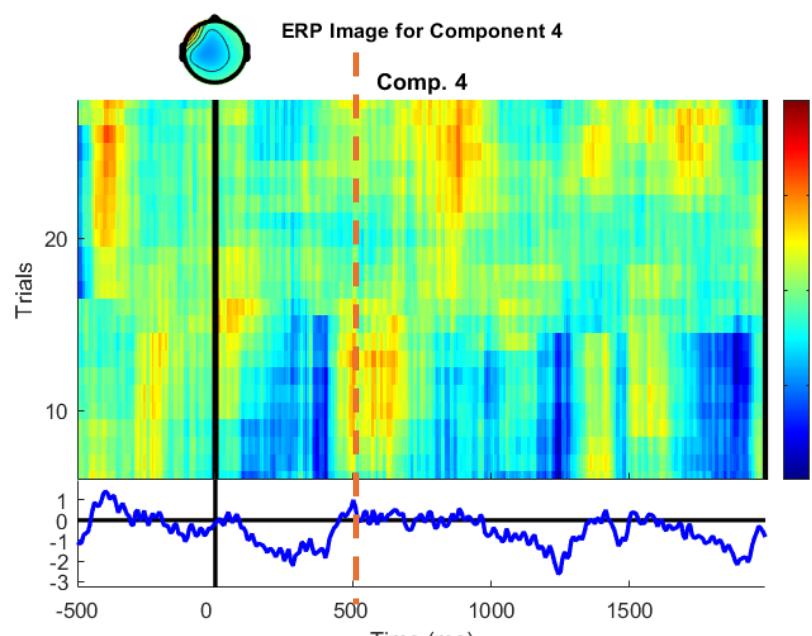
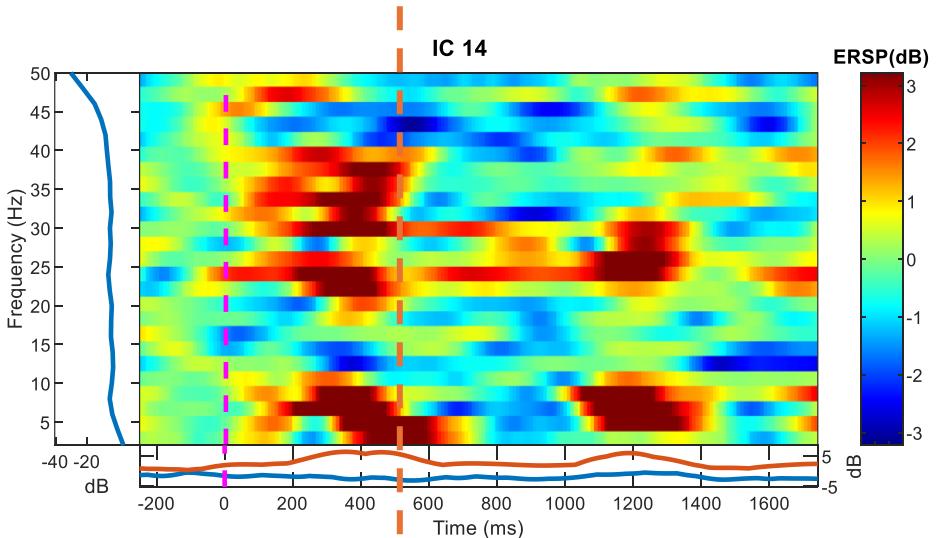
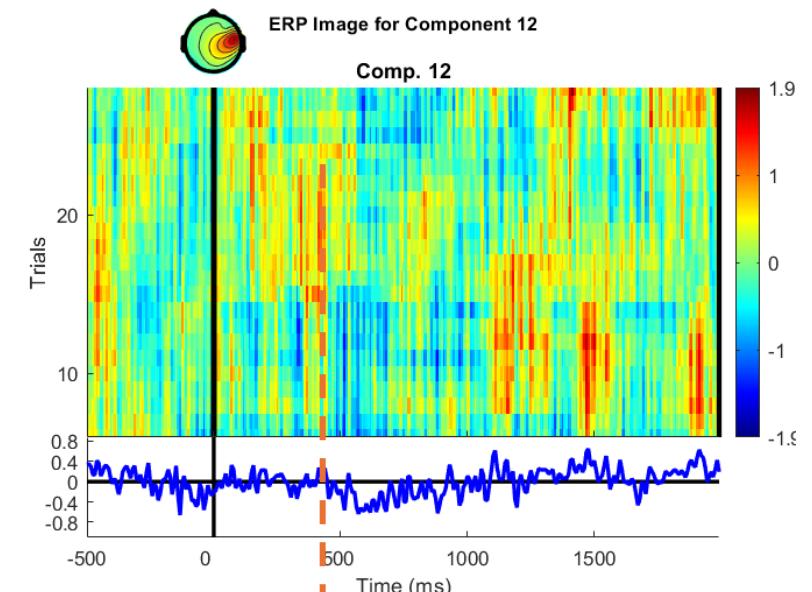
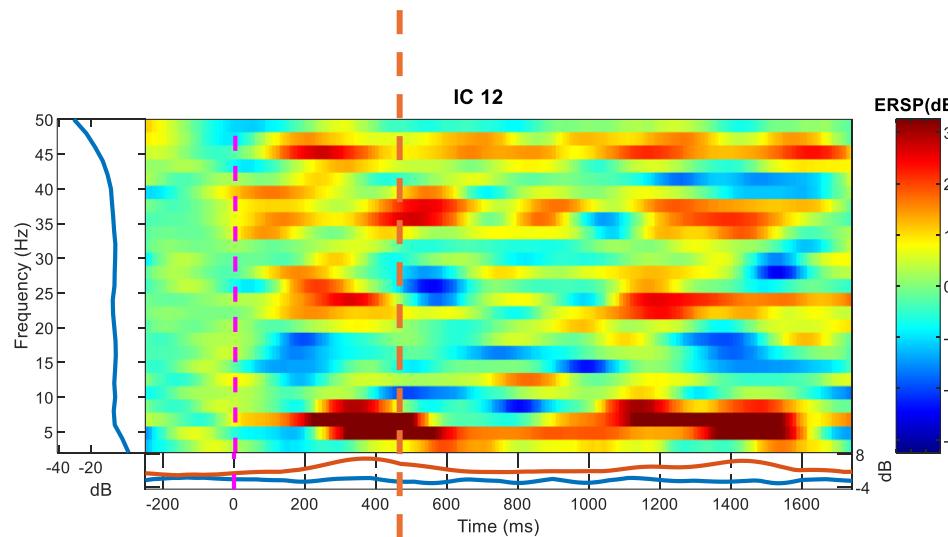


# 101\_4\_1

Frontal FC6	
Time	+450ms
Theta	increase
Alpha	decrease

Frontal F7	
Time	+530ms
Theta	increase
Alpha	decrease

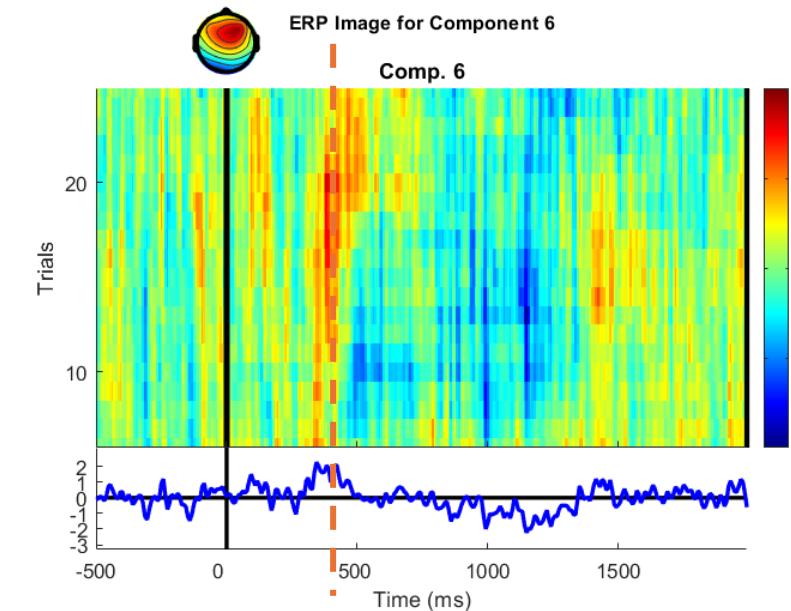
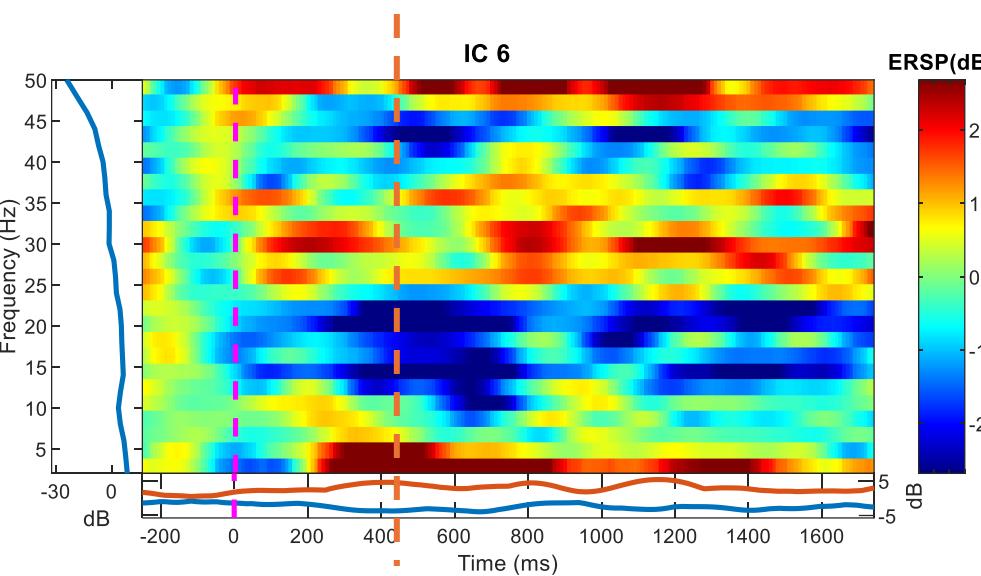
Early Stage



101\_4\_2

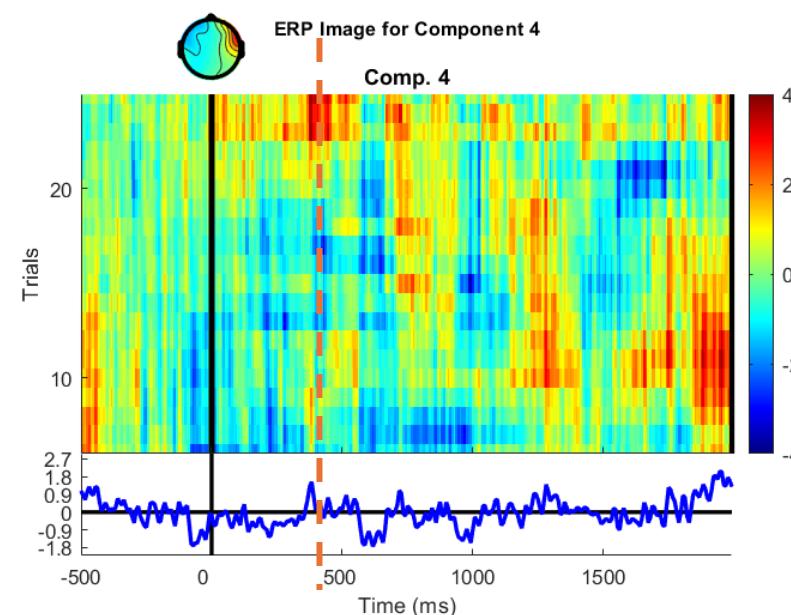
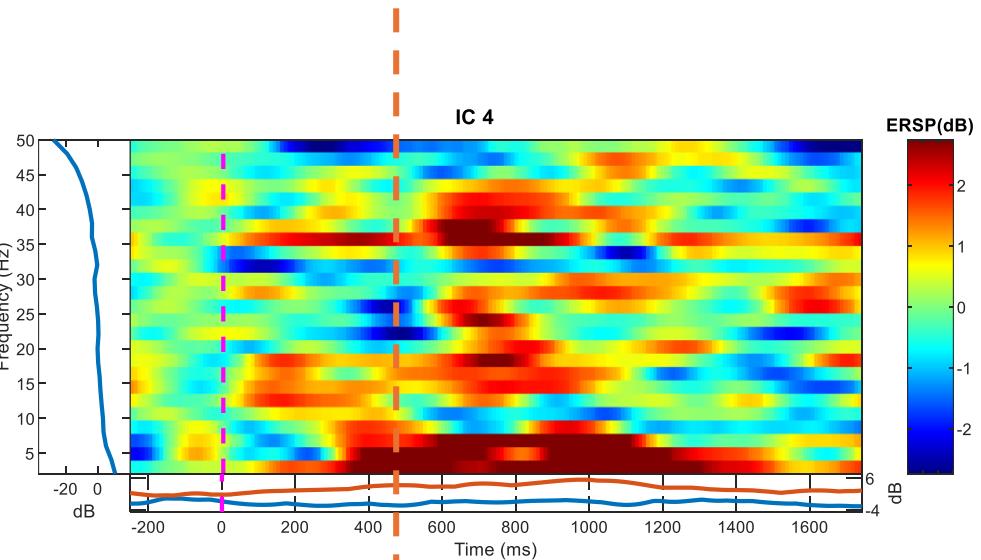
**Frontal F4**

Time	+470ms
Theta	increase
Alpha	decrease



**Frontal F8**

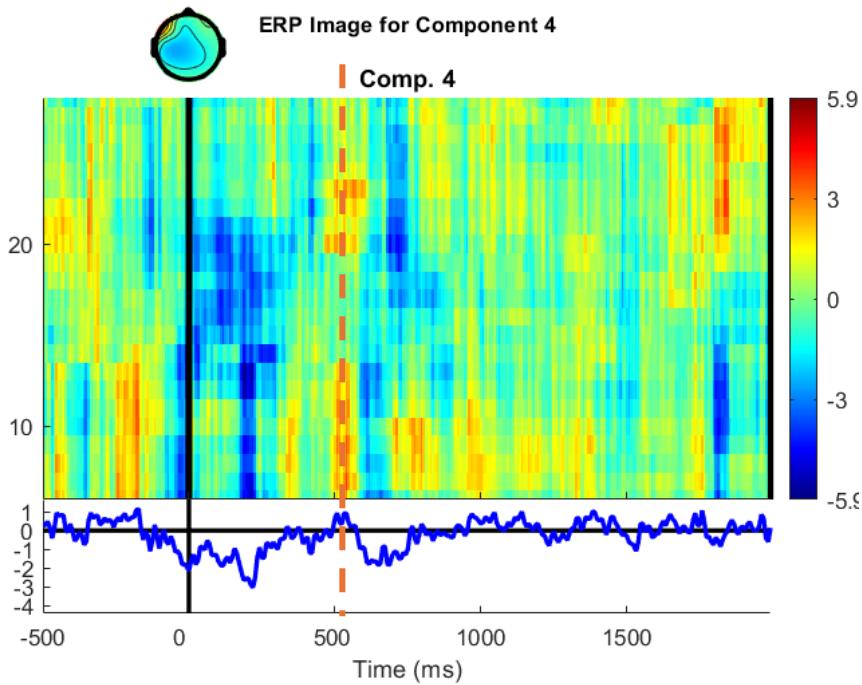
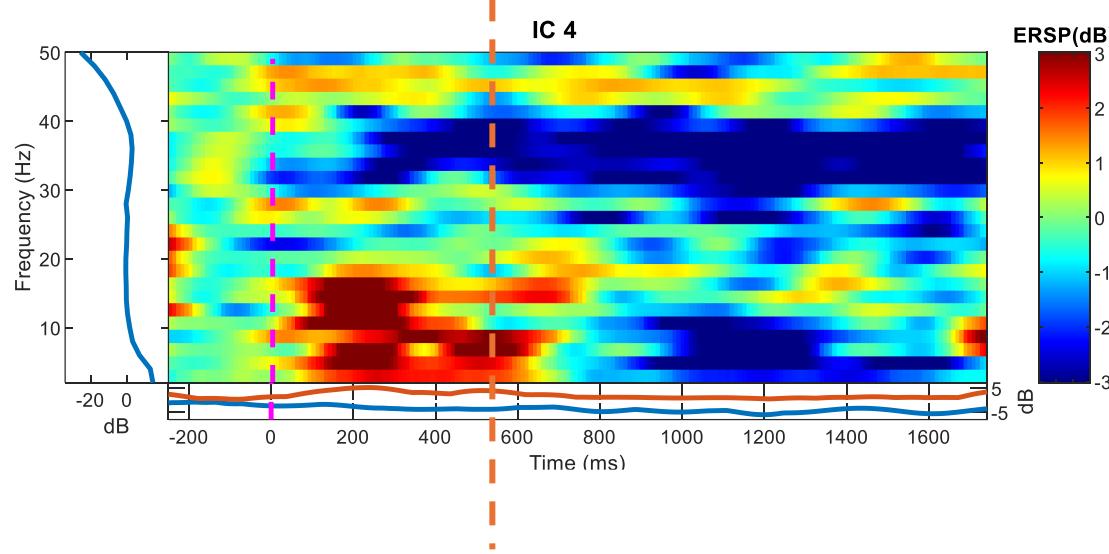
Time	+470ms
Theta	increase
Alpha	decrease



Early Stage

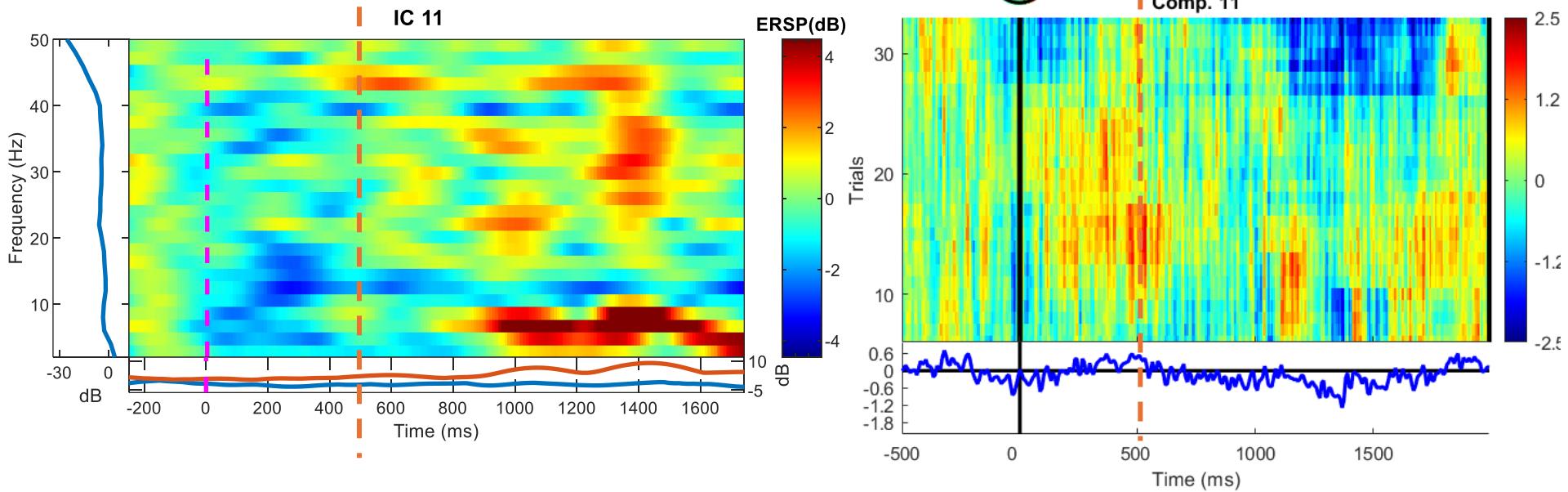
# 101\_4\_3

Frontal F7		
Time	+560ms	
Theta	increase	
Alpha	decrease	



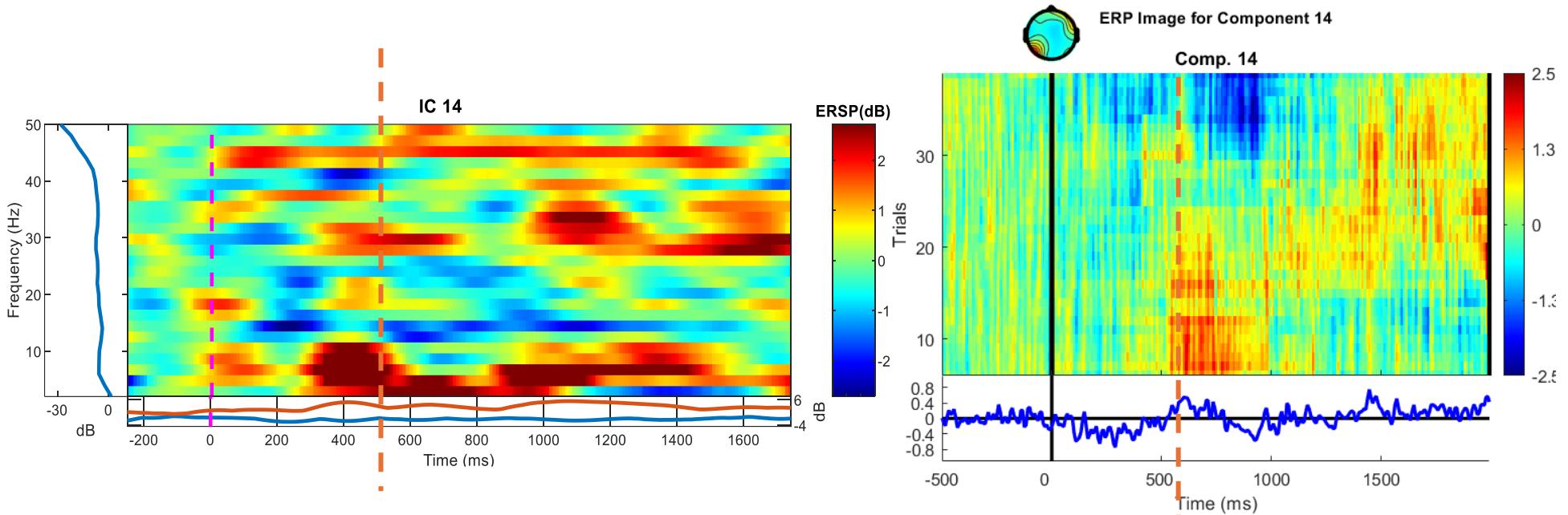
101\_5\_2

Parietal P8	
Time	+510ms
Theta	increase
Alpha	decrease



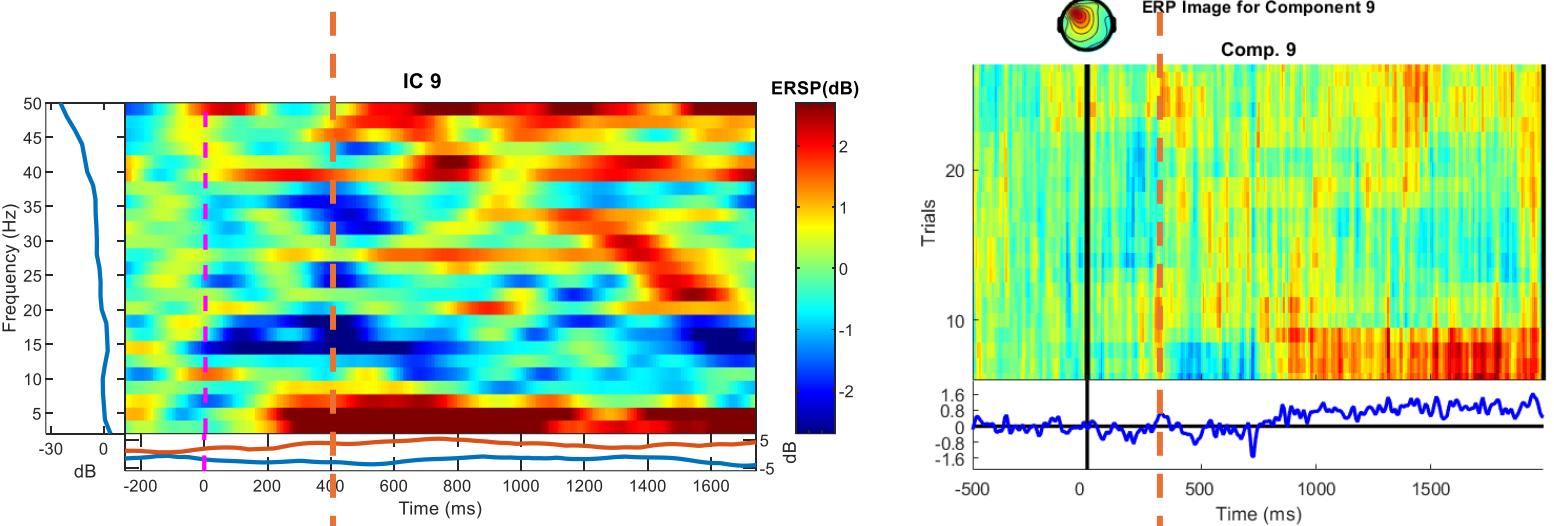
# 101\_5\_3

Parietal P7		
Time	+550ms	
Theta	increase	
Alpha	decrease	

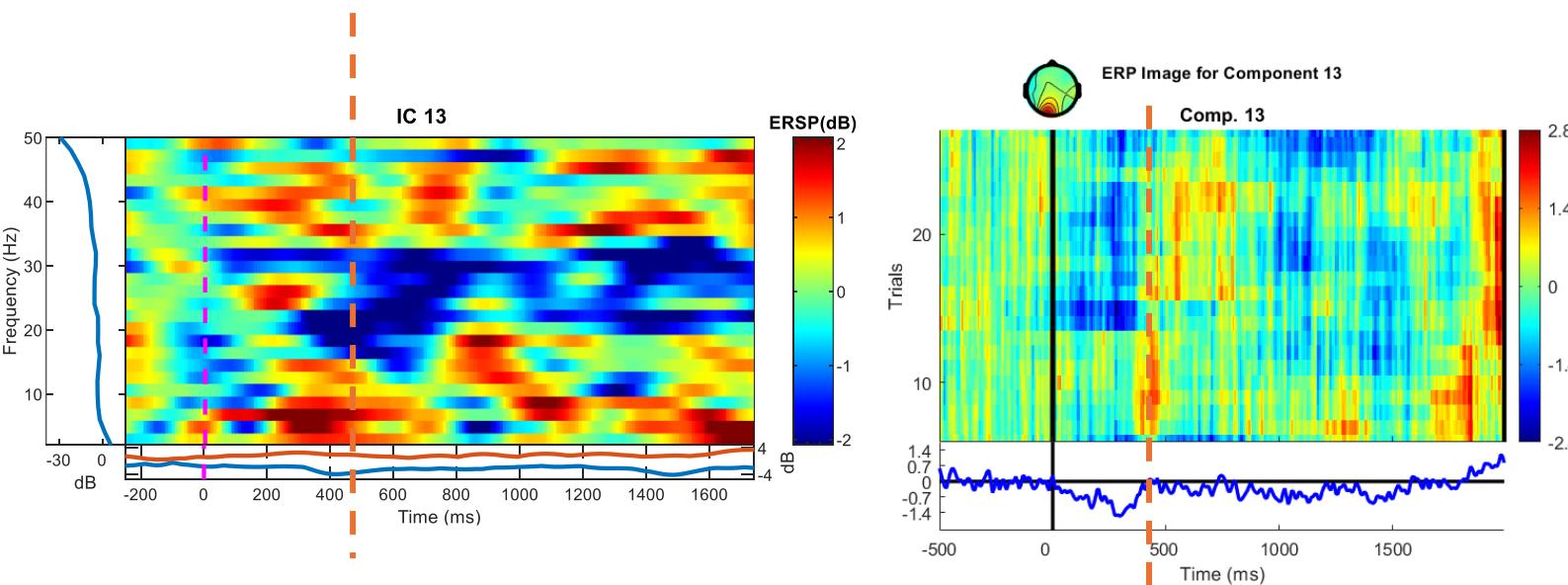


101\_6\_1

Frontal F3		
Time	+400ms	
Theta	increase	
Alpha	decrease	



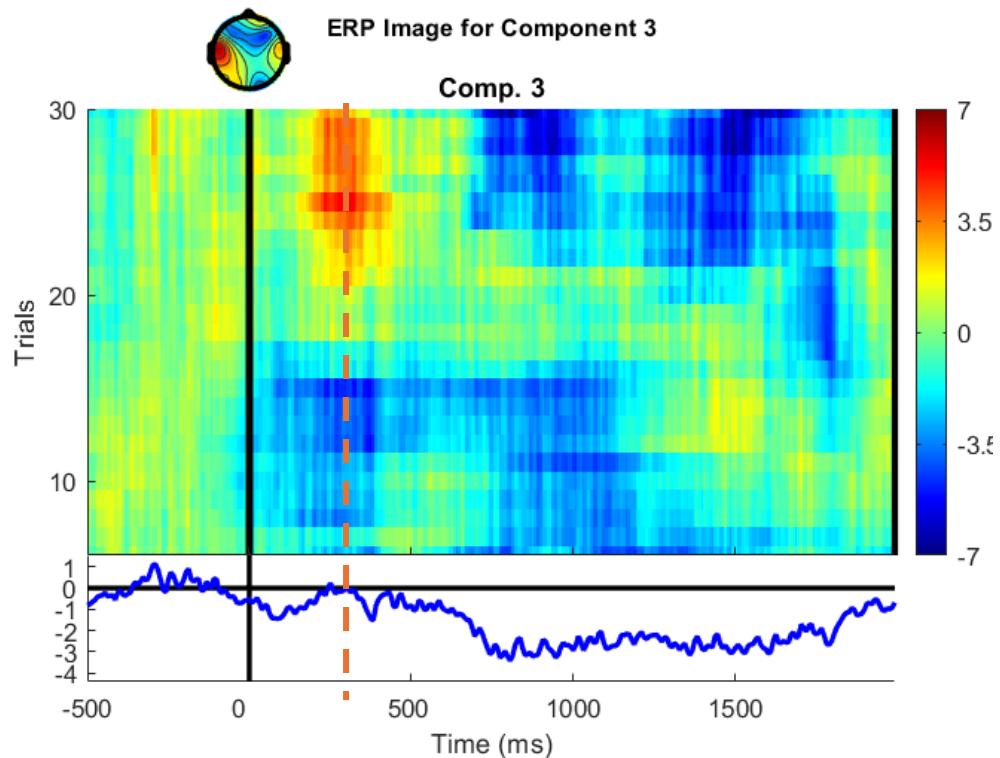
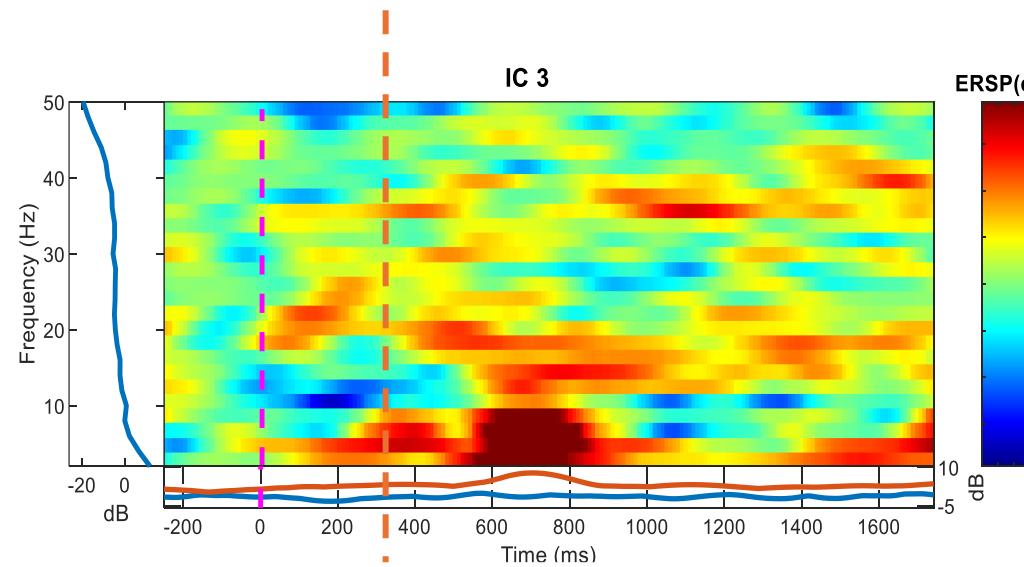
Occipital O1		
Time	+470ms	
Theta	increase	
Alpha	decrease	



Early Stage

# 101\_6\_2

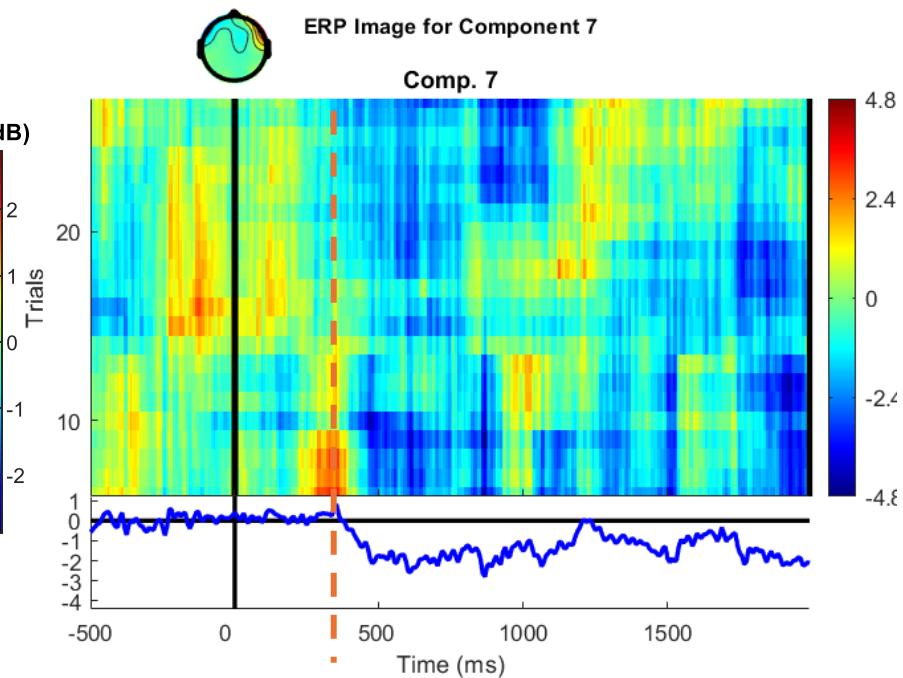
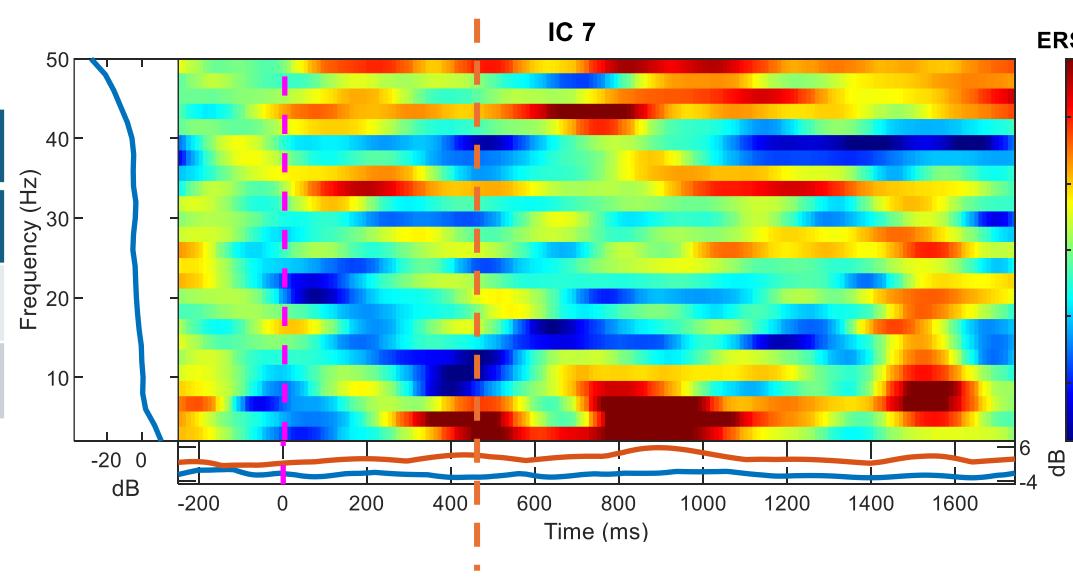
Frontal FC5		
Time	+370ms	
Theta	increase	
Alpha	decrease	



Early Stage

# 101\_6\_3

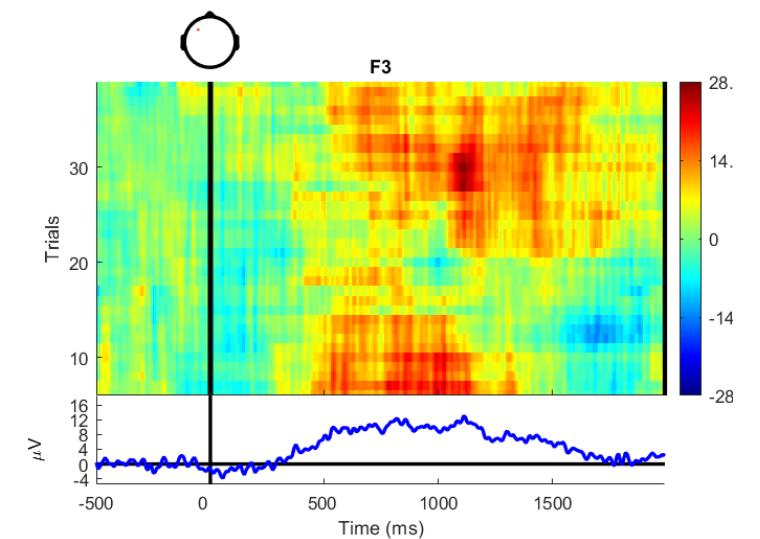
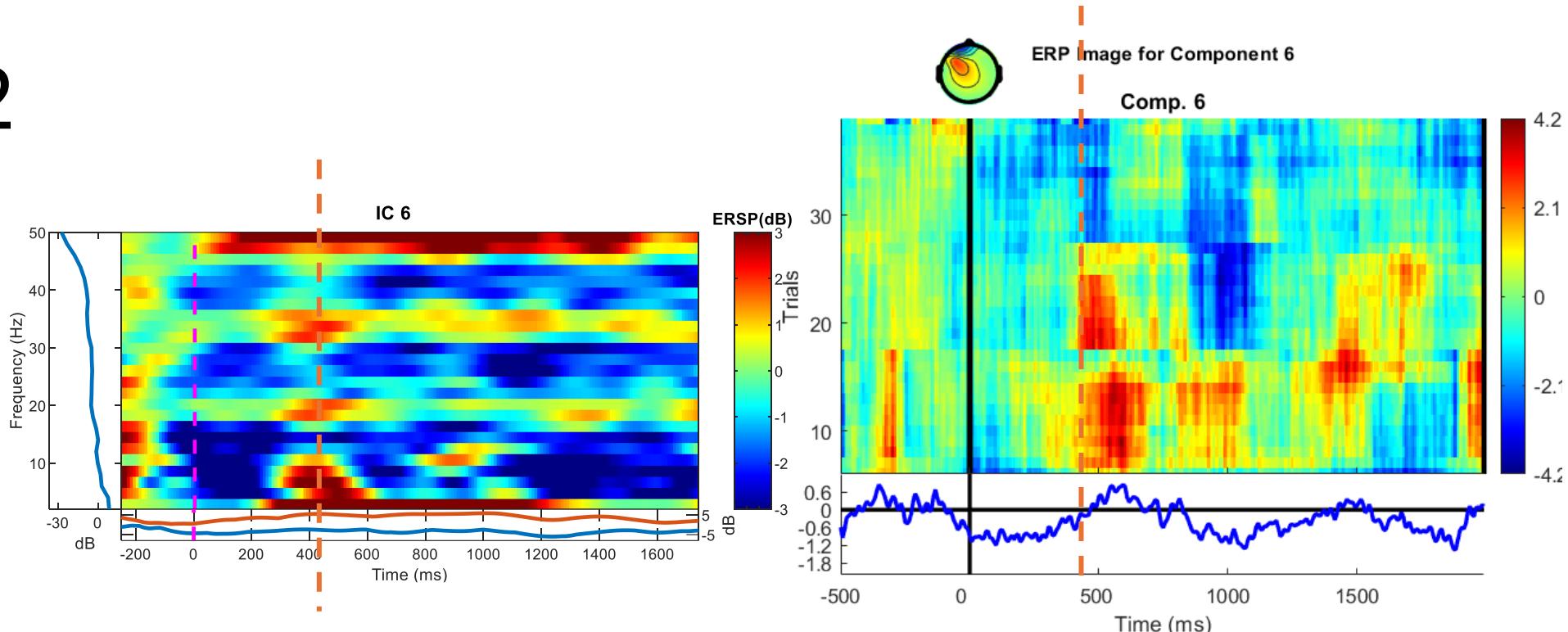
Frontal F8		
Time	+470ms	
Theta	increase	
Alpha	decrease	



Early Stage  
Early Stage

101\_7\_2

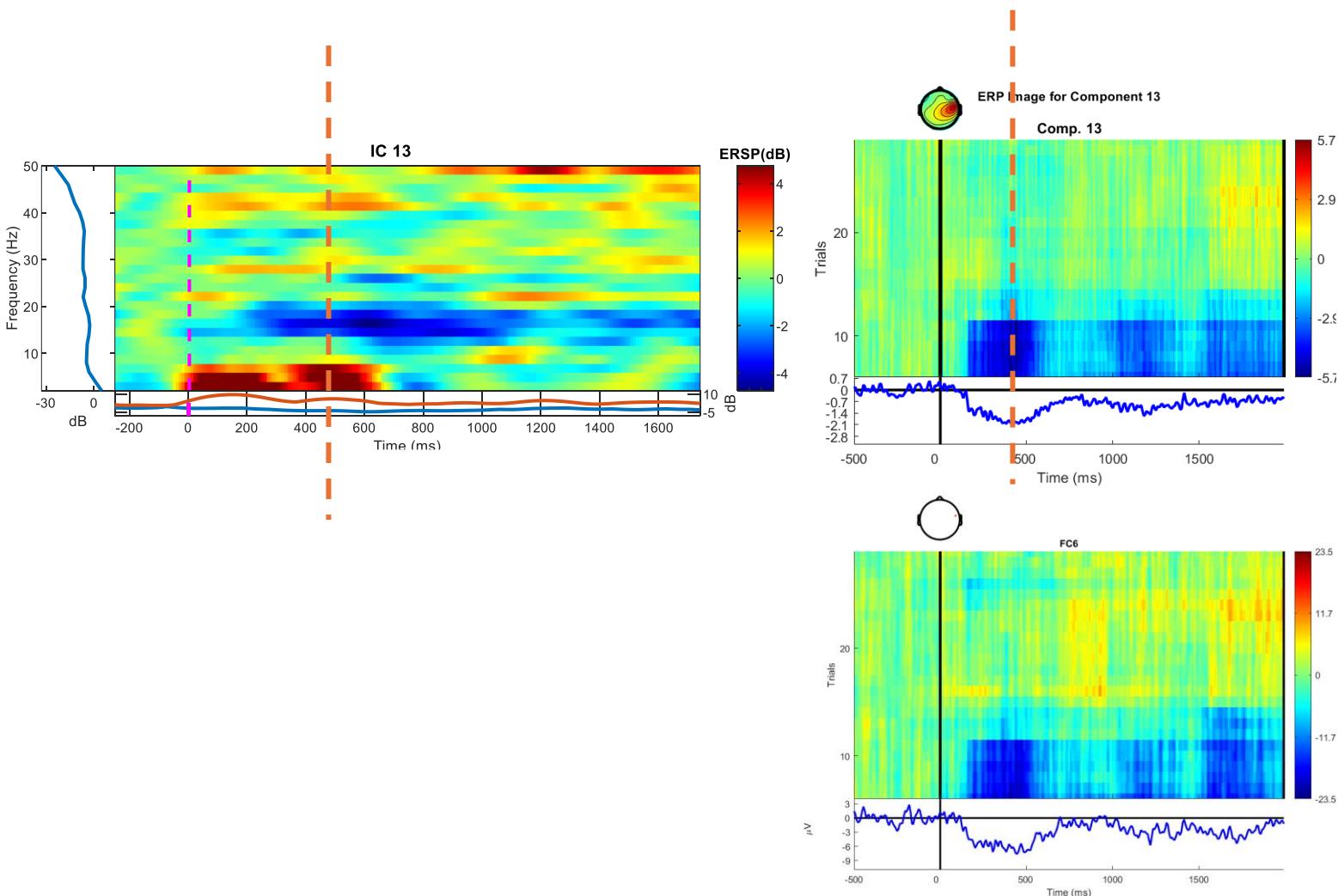
Frontal F3		
Time	+430ms	
Theta	increase	
Alpha	decrease	



# 101\_8\_2 (Excluded)

Negativity at time domain

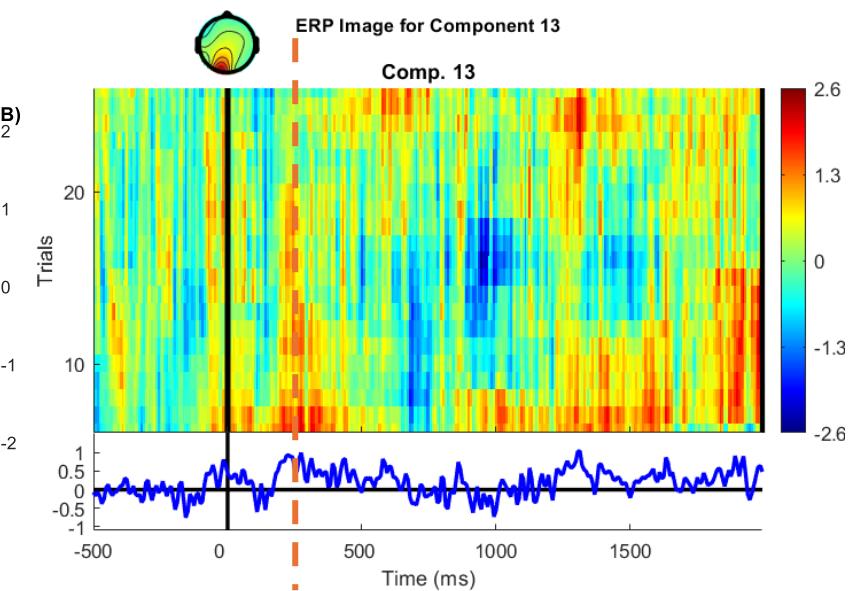
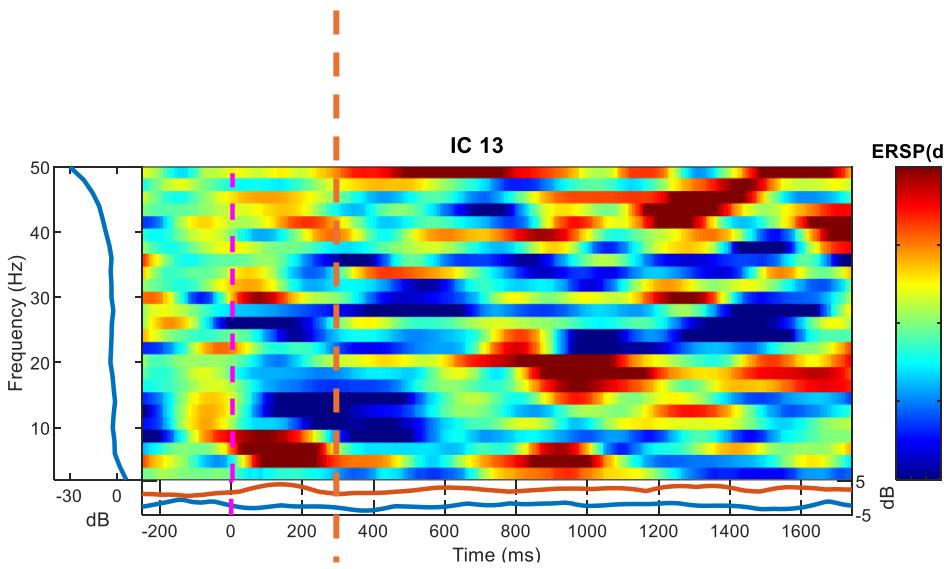
Frontal FC6		
Time	+430ms	
Theta	increase	
Alpha	decrease	



Early Stage

# 101\_8\_3

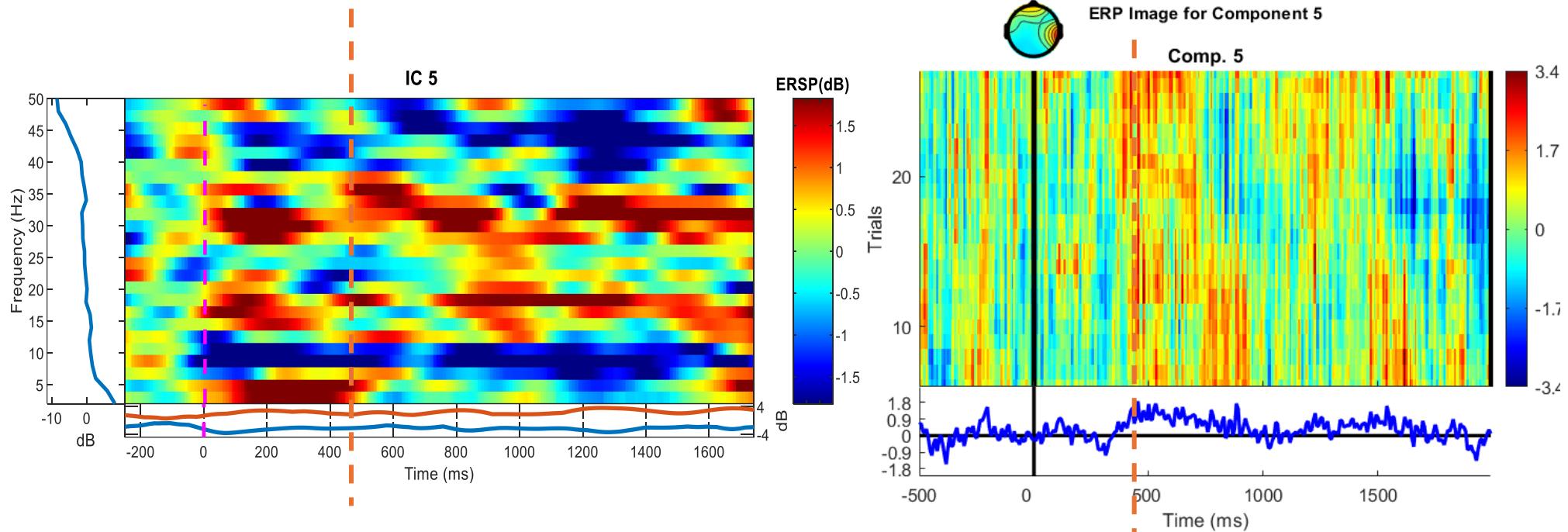
Occipital O1	
Time	+300ms
Theta	increase
Alpha	decrease



Early Stage

# 101\_9\_1

Temporal T8	
Time	+450ms
Theta	increase
Alpha	decrease

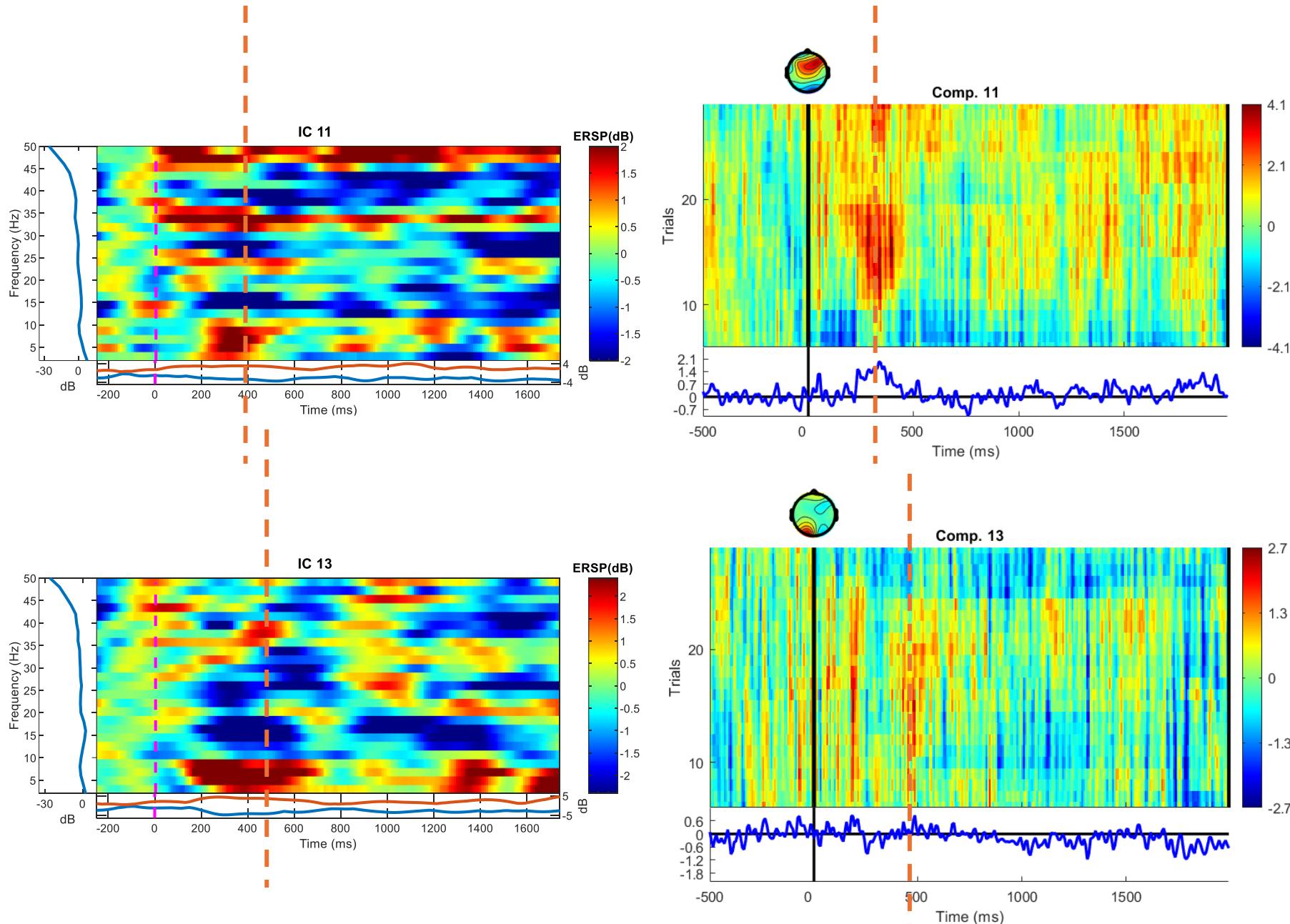


Middle Stage

# 101\_9\_2

Frontal F4		
Time	+400ms	
Theta	increase	
Alpha	decrease	

Occipital O1		
Time	+490ms	
Theta	increase	
Alpha	decrease	



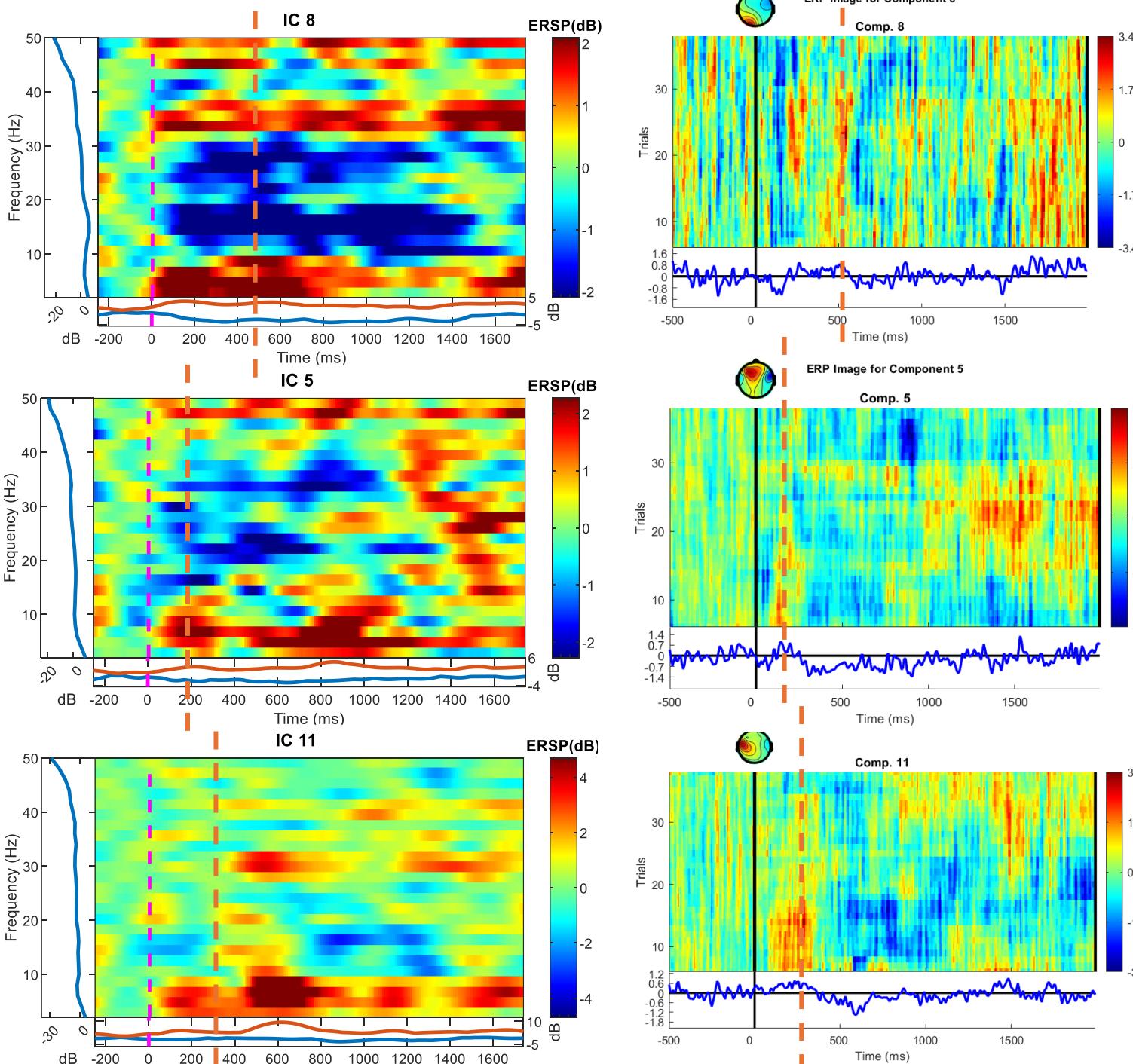
Middle Stage

101\_9\_3

Occipital O1	
Time	+500ms
Theta	increase
Alpha	decrease

Frontal F3	
Time	+200ms
Theta	increase
Alpha	decrease

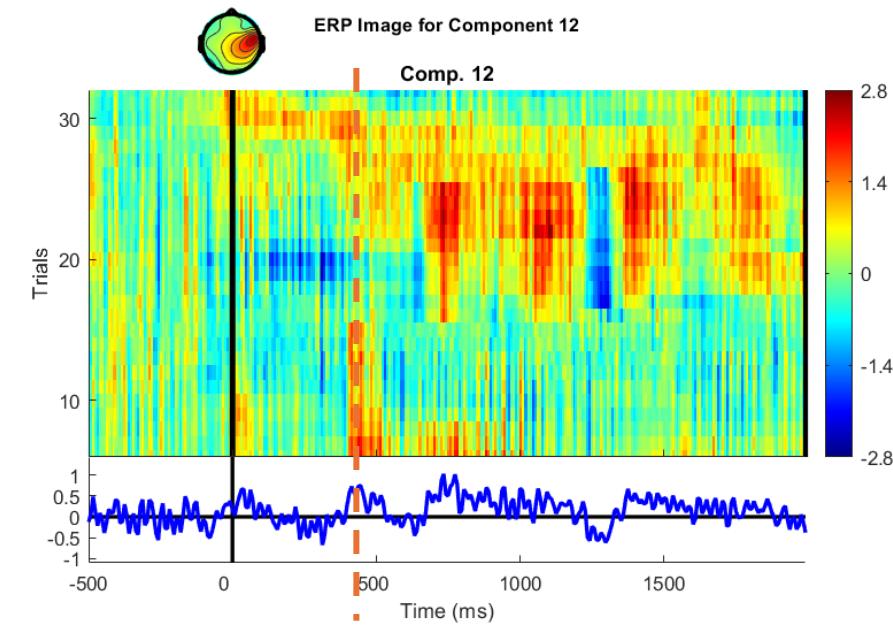
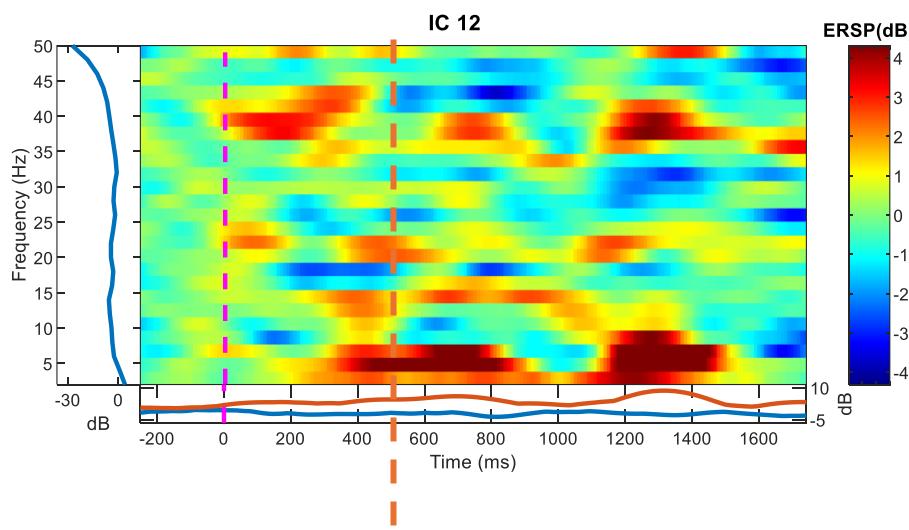
Frontal FC5	
Time	+330ms
Theta	increase
Alpha	-



Middle Stage

# 101\_10\_1

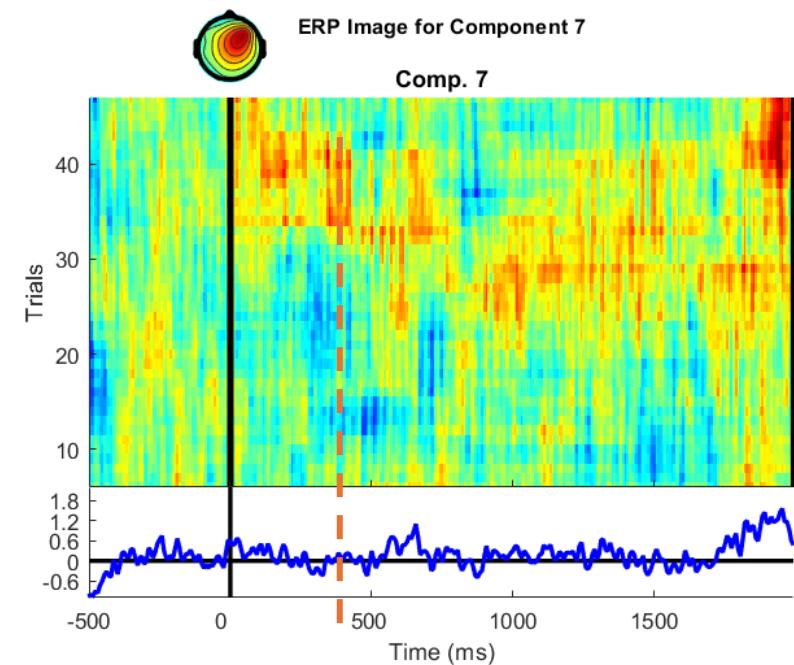
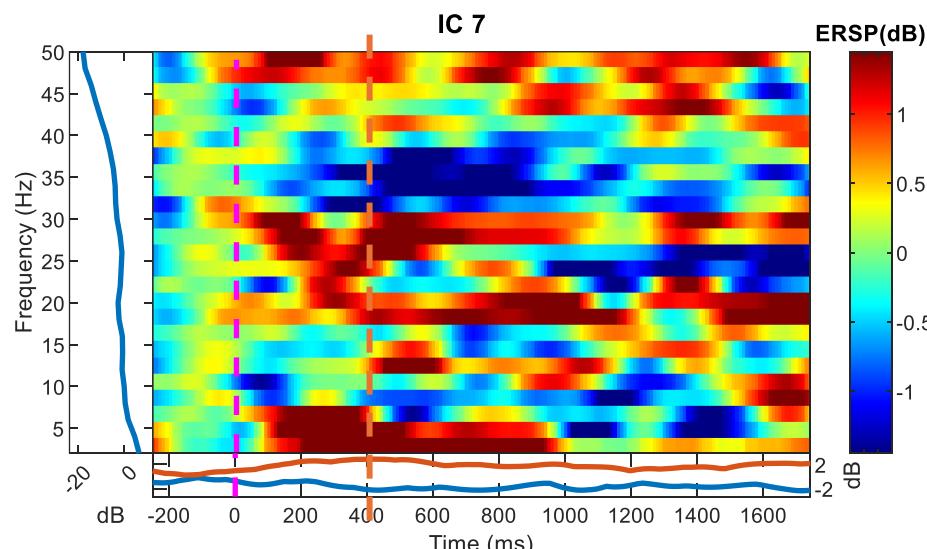
Frontal FC6	
Time	+510ms
Theta	increase
Alpha	decrease



Middle Stage

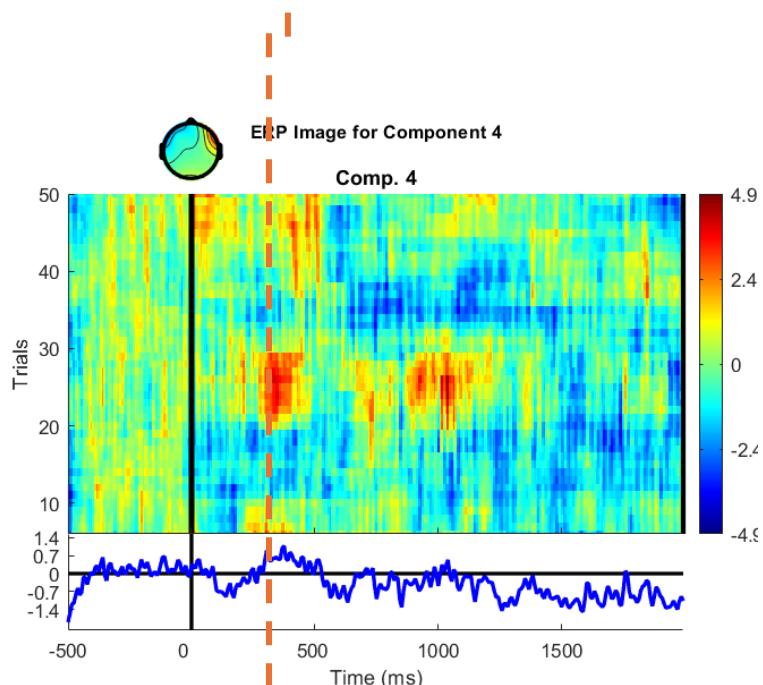
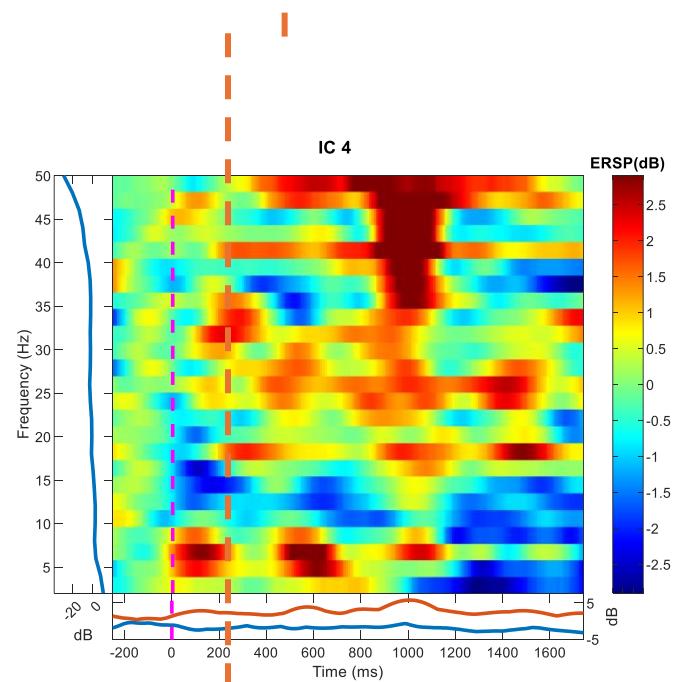
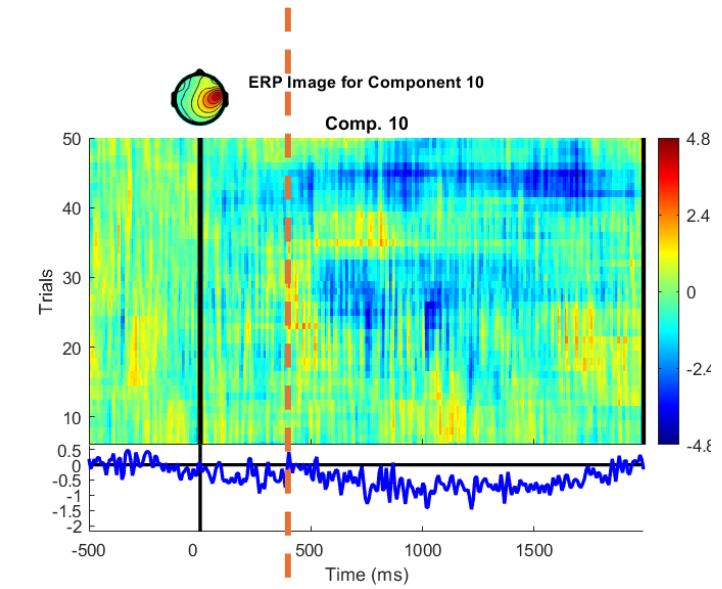
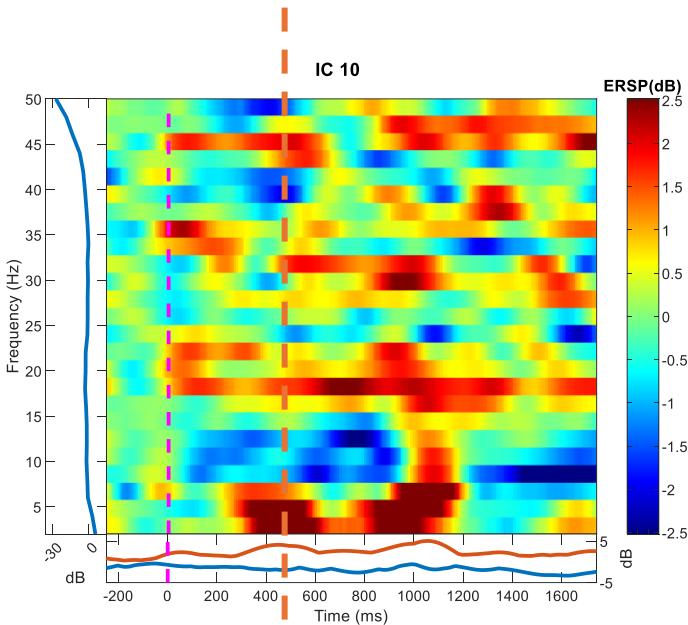
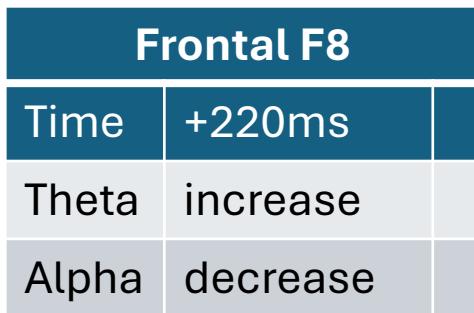
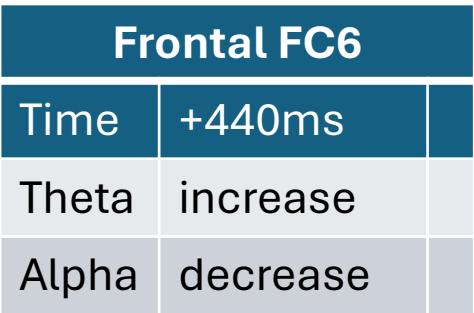
# 101\_10\_2

Frontal F4		
Time	+400ms	
Theta	increase	
Alpha	decrease	



Middle Stage

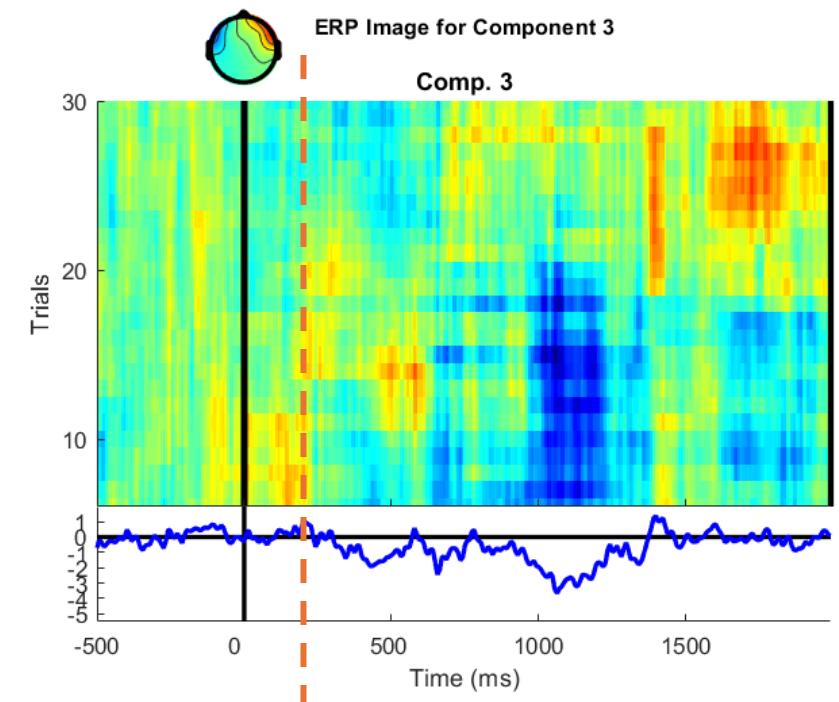
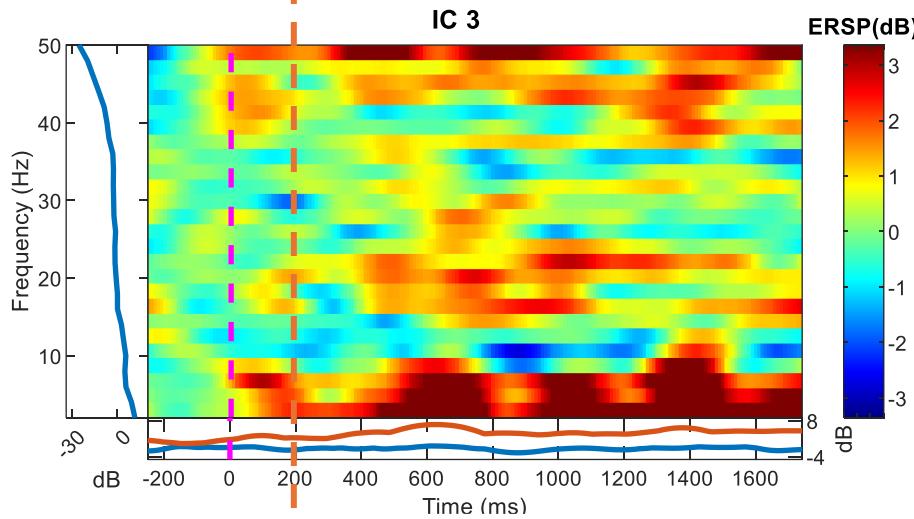
101\_10\_3



Middle Stage

# 101\_11\_2

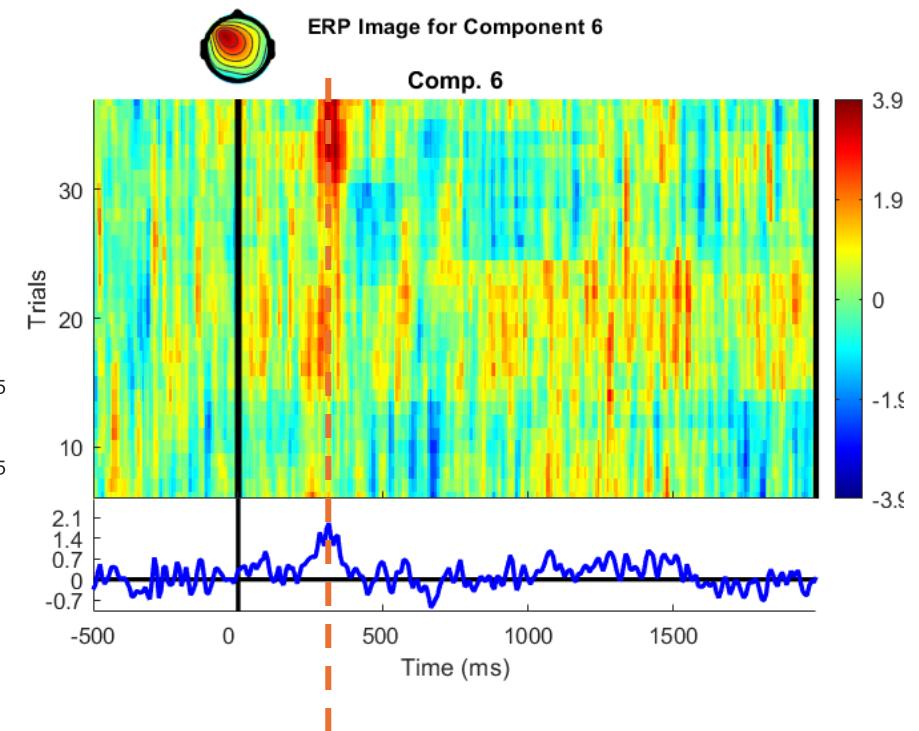
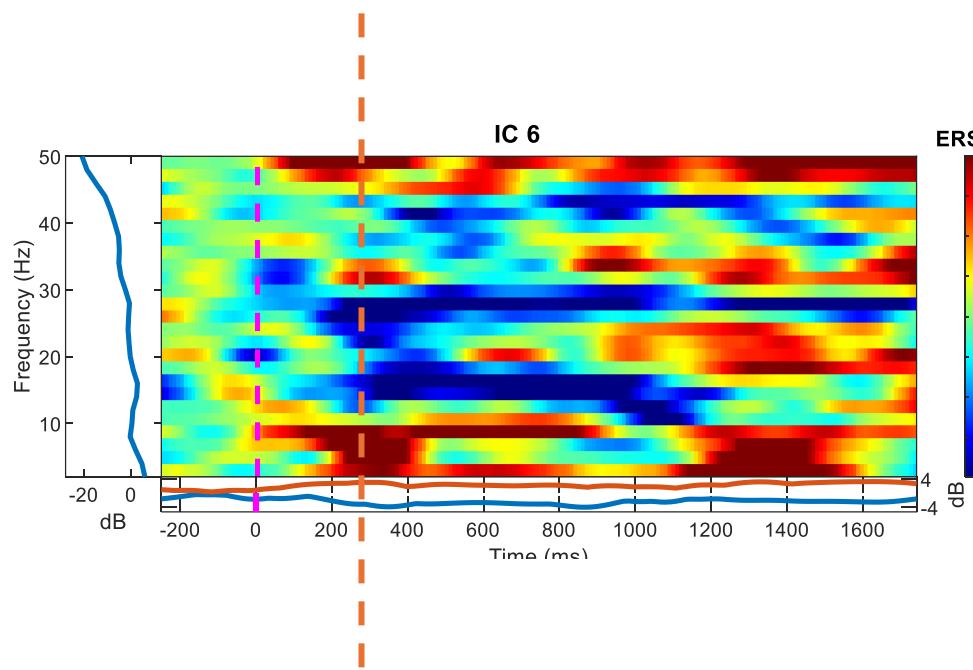
Frontal F8	
Time	+220ms
Theta	increase
Alpha	decrease



Middle Stage

# 101\_11\_3

Frontal F3	
Time	+300ms
Theta	increase
Alpha	decrease

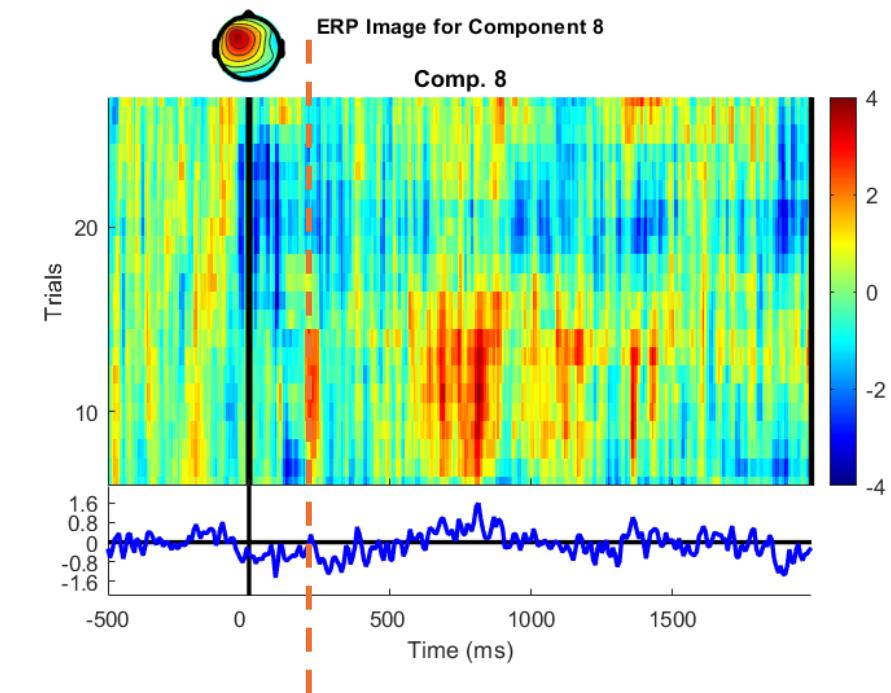
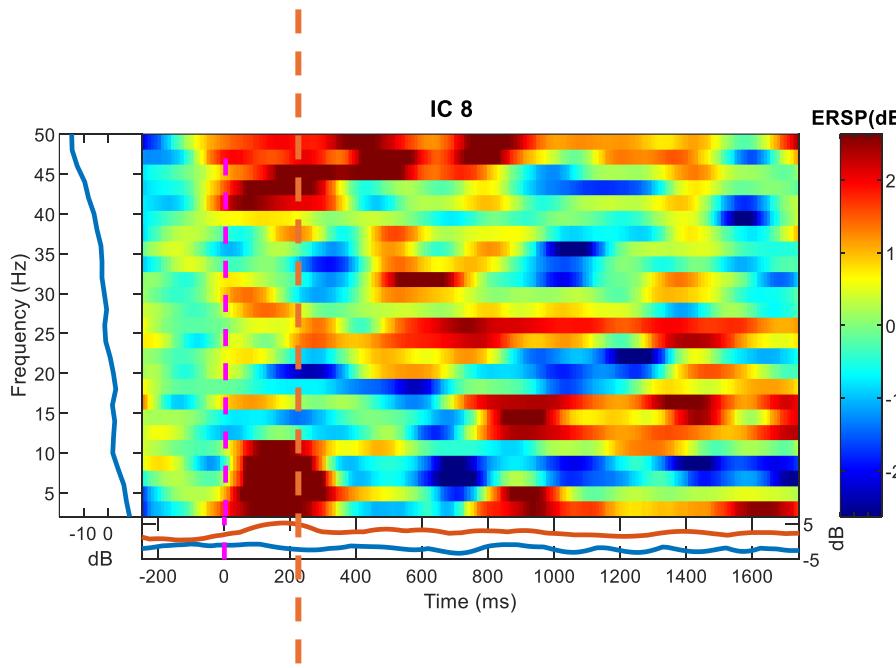


Alpha start from 11Hz

Middle Stage

# 101\_12\_1

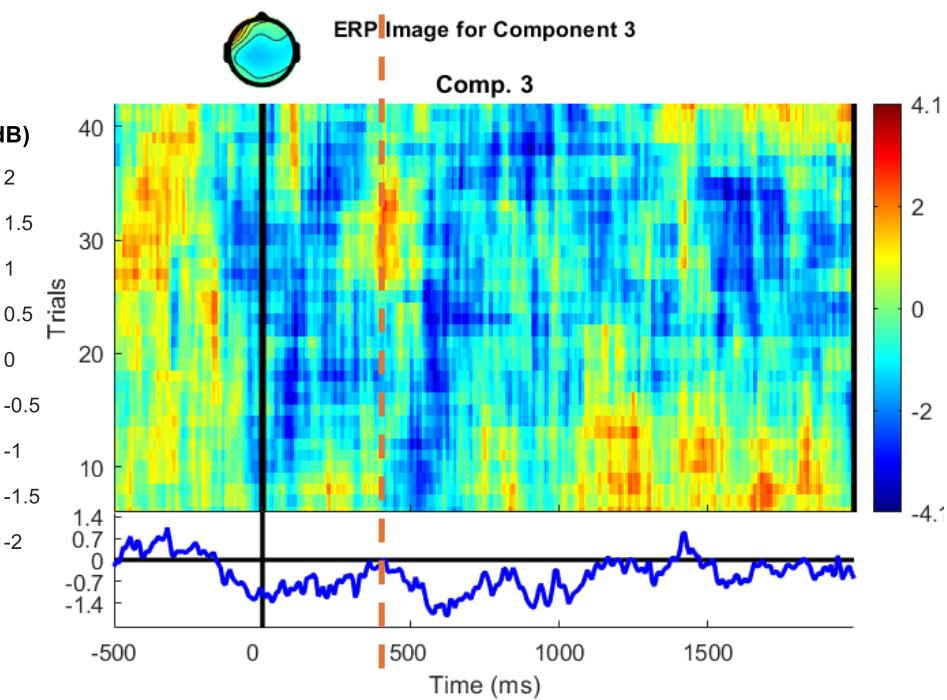
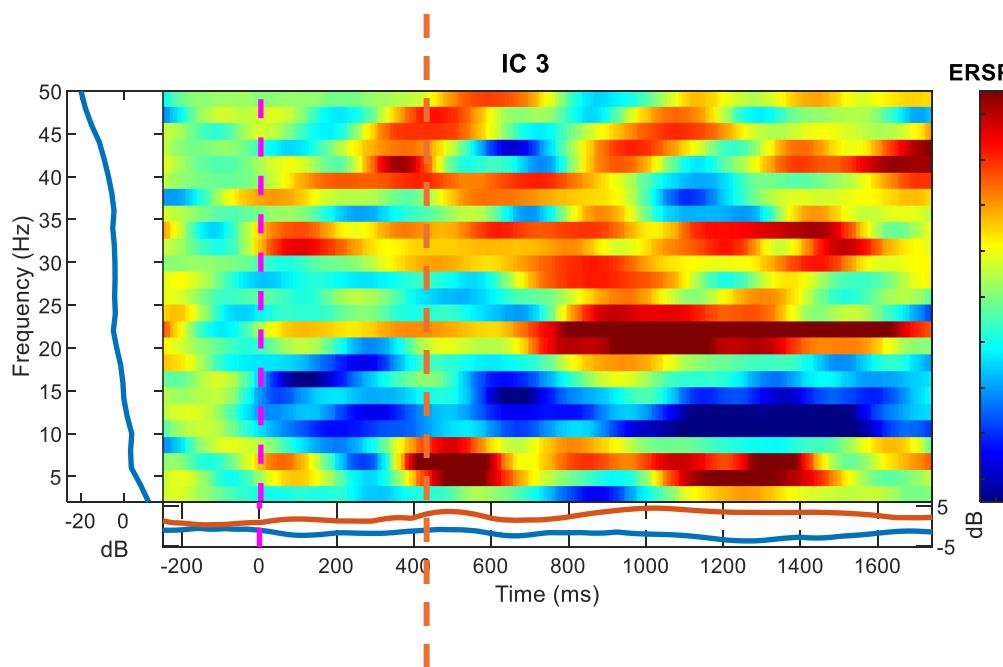
Frontal F3		
Time	+220ms	
Theta	increase	
Alpha	decrease	



Middle Stage

# 101\_12\_2

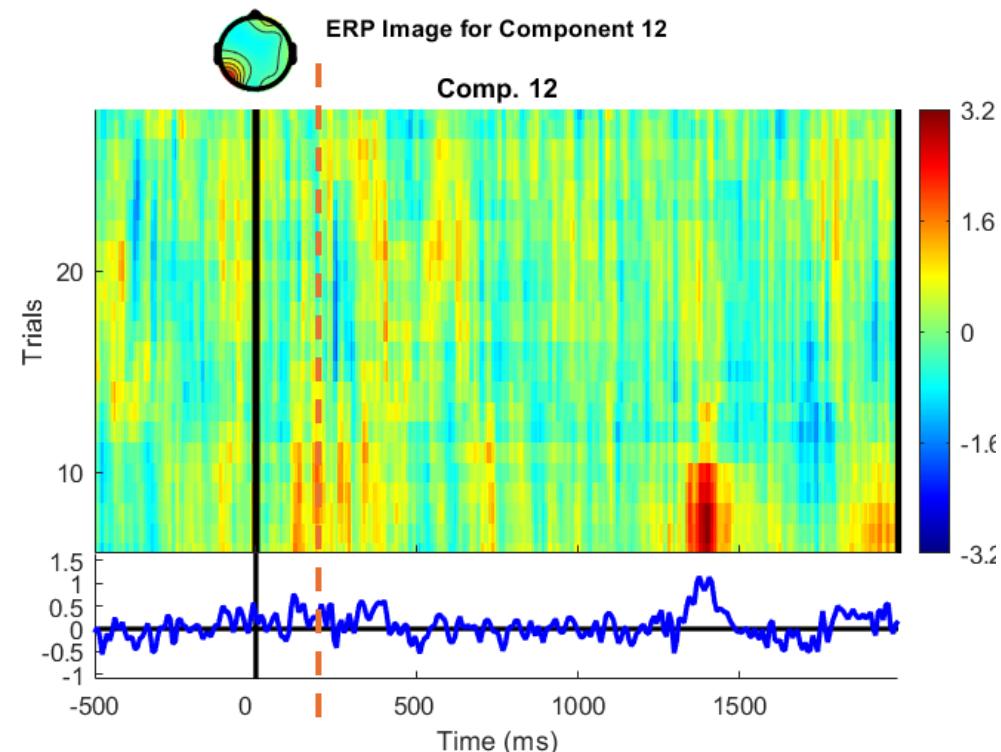
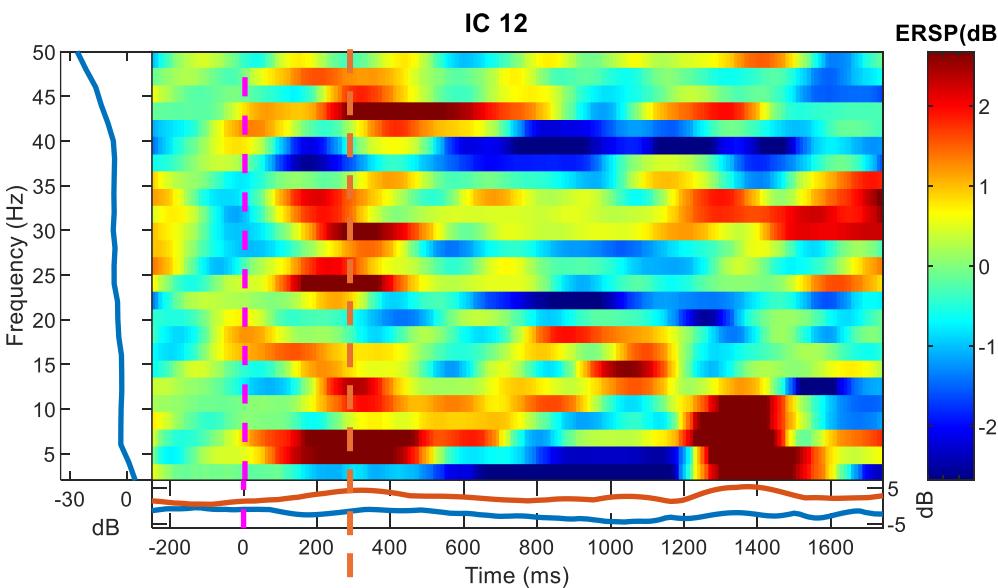
Frontal F7		
Time	+410ms	
Theta	increase	
Alpha	decrease	



Middle Stage

# 101\_14\_1

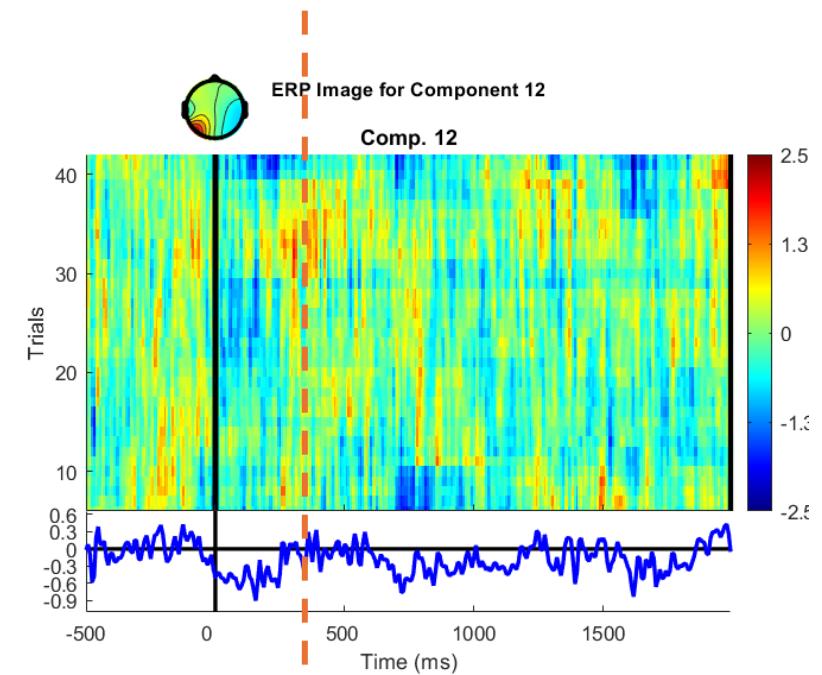
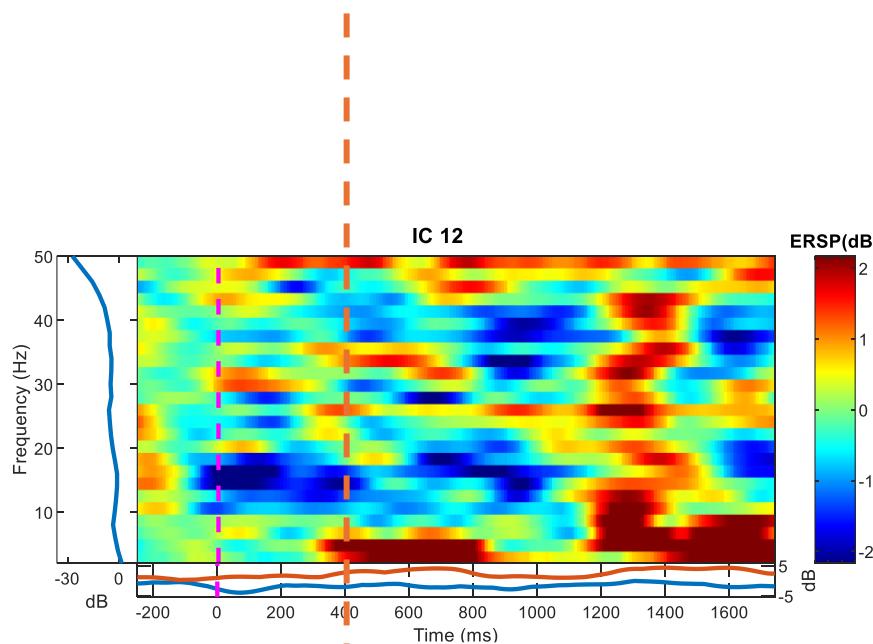
Parietal P7	
Time	+300ms
Theta	increase
Alpha	increase



Middle Stage

101\_14\_2

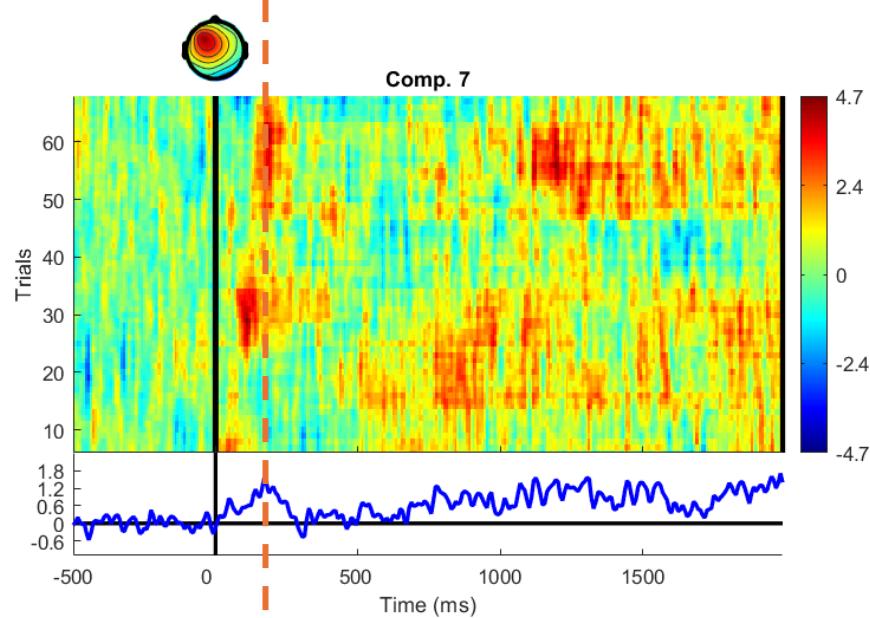
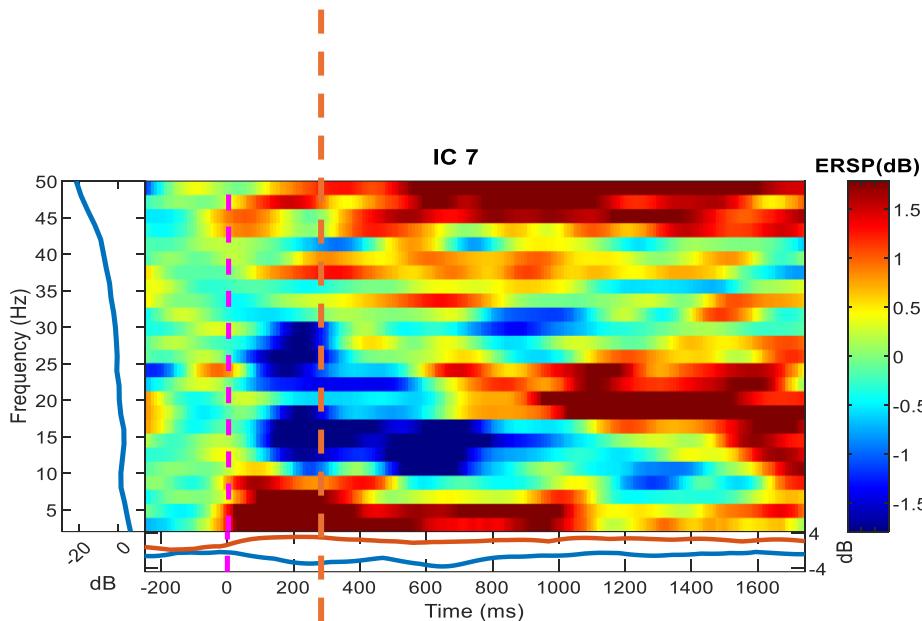
Parietal P7	
Time	+400ms
Theta	increase
Alpha	decrease



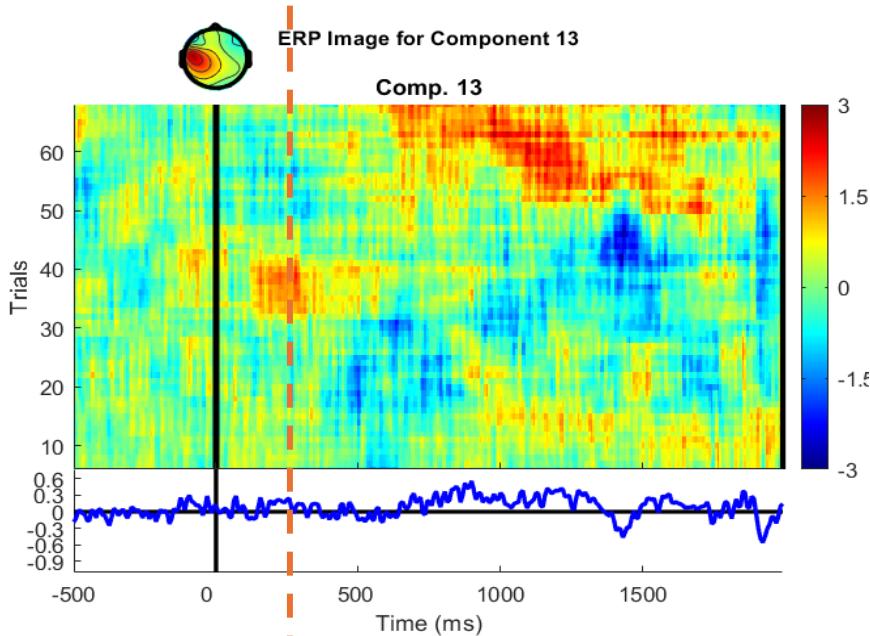
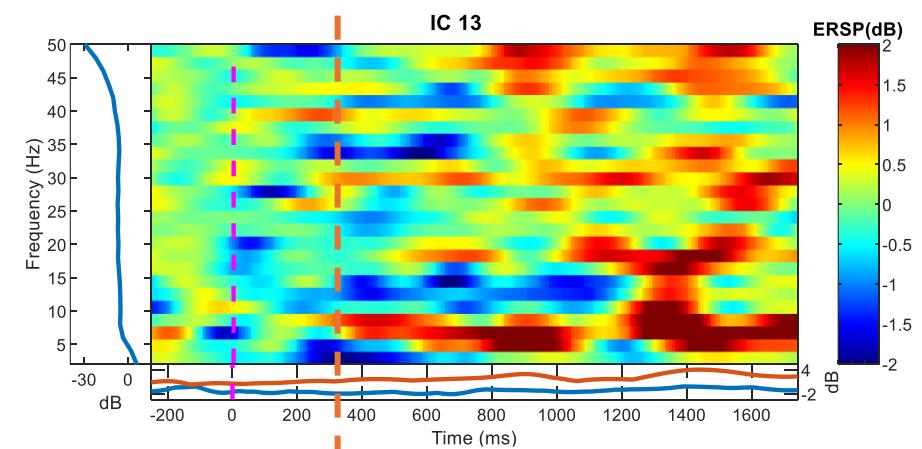
Middle Stage

101\_14\_3

Frontal F3	
Time	+300ms
Theta	increase
Alpha	decrease



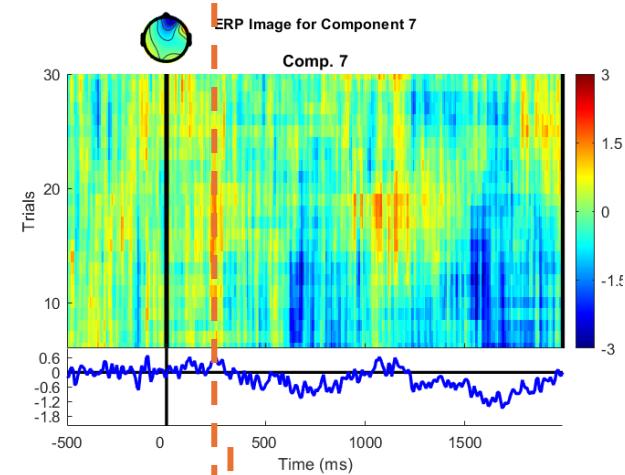
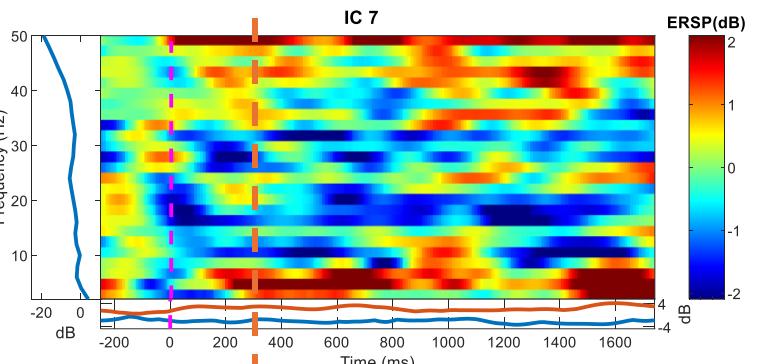
Frontal FC5	
Time	+350ms
Theta	increase
Alpha	increase



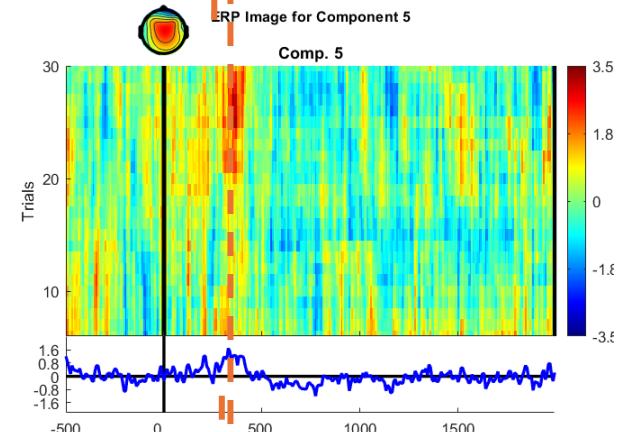
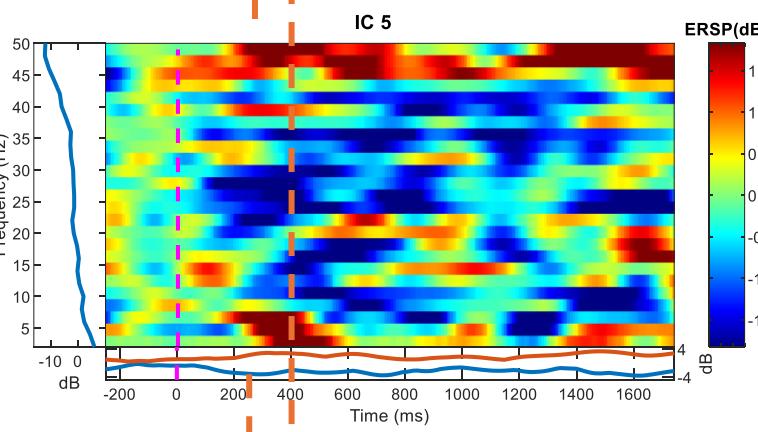
Middle Stage

101\_15\_1

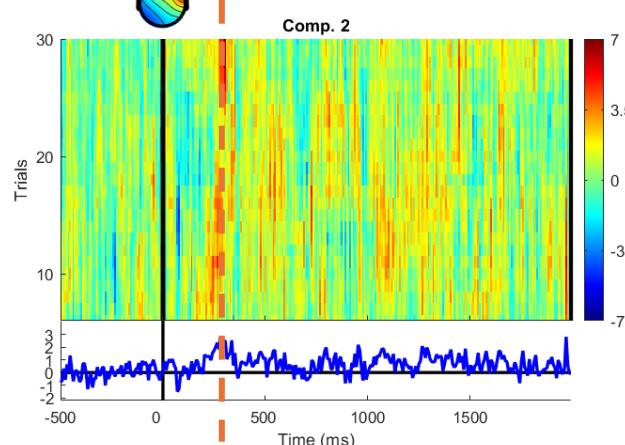
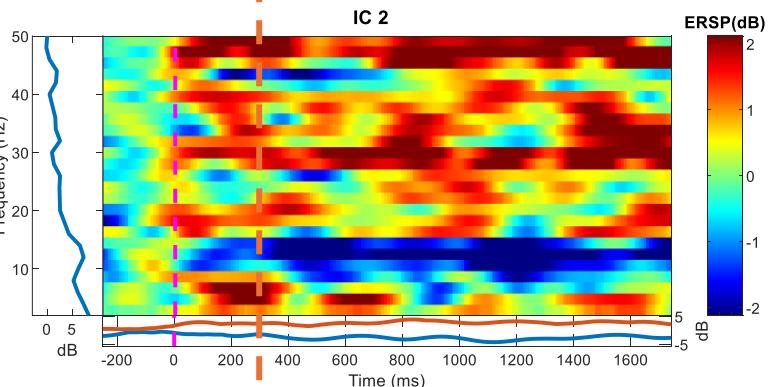
Frontal AF4	
Time	+300ms
Theta	increase
Alpha	decrease



Central Cz	
Time	+300ms
Theta	increase
Alpha	decrease



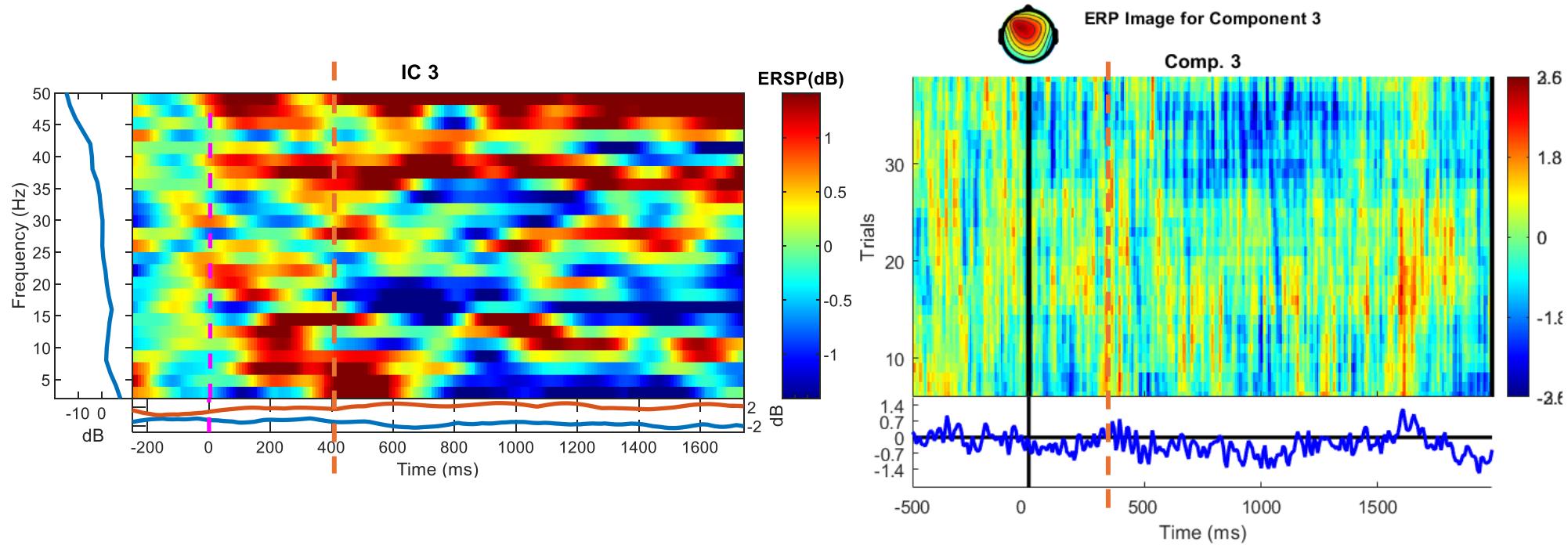
Frontal F8	
Time	+320ms
Theta	increase
Alpha	decrease



Middle Stage

101\_16\_3

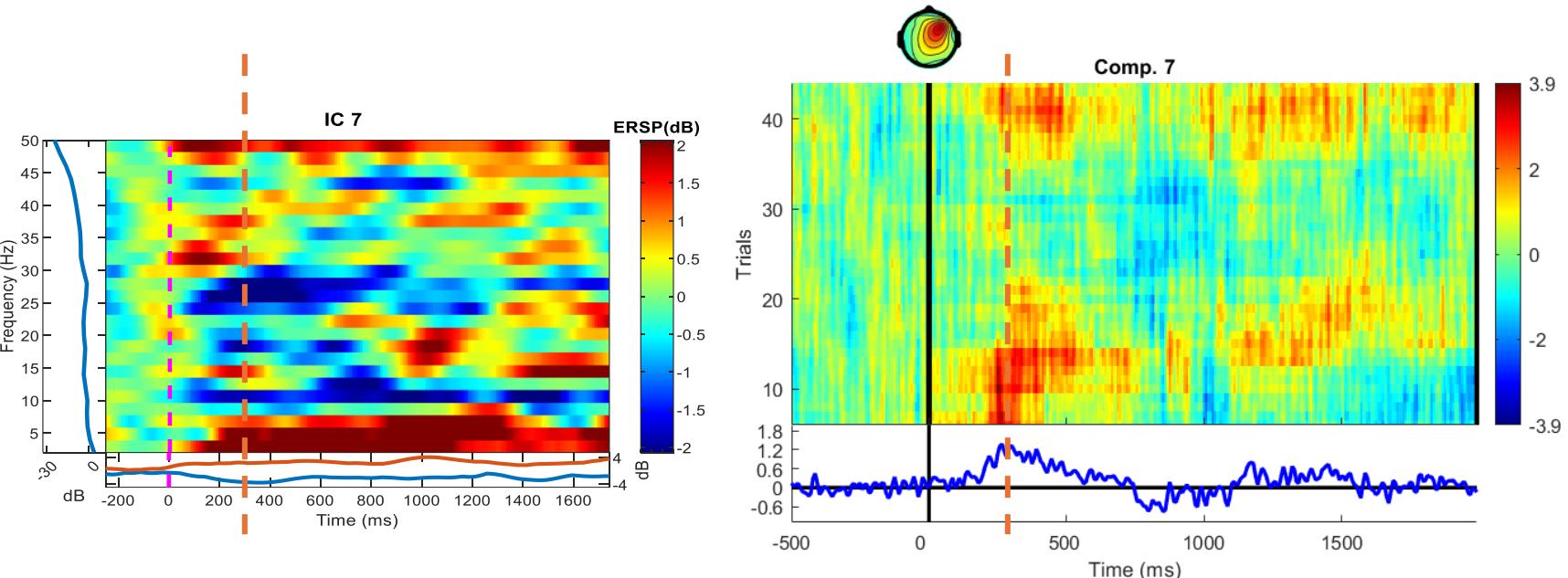
Frontal F3		
Time	+400ms	
Theta	increase	
Alpha	decrease	



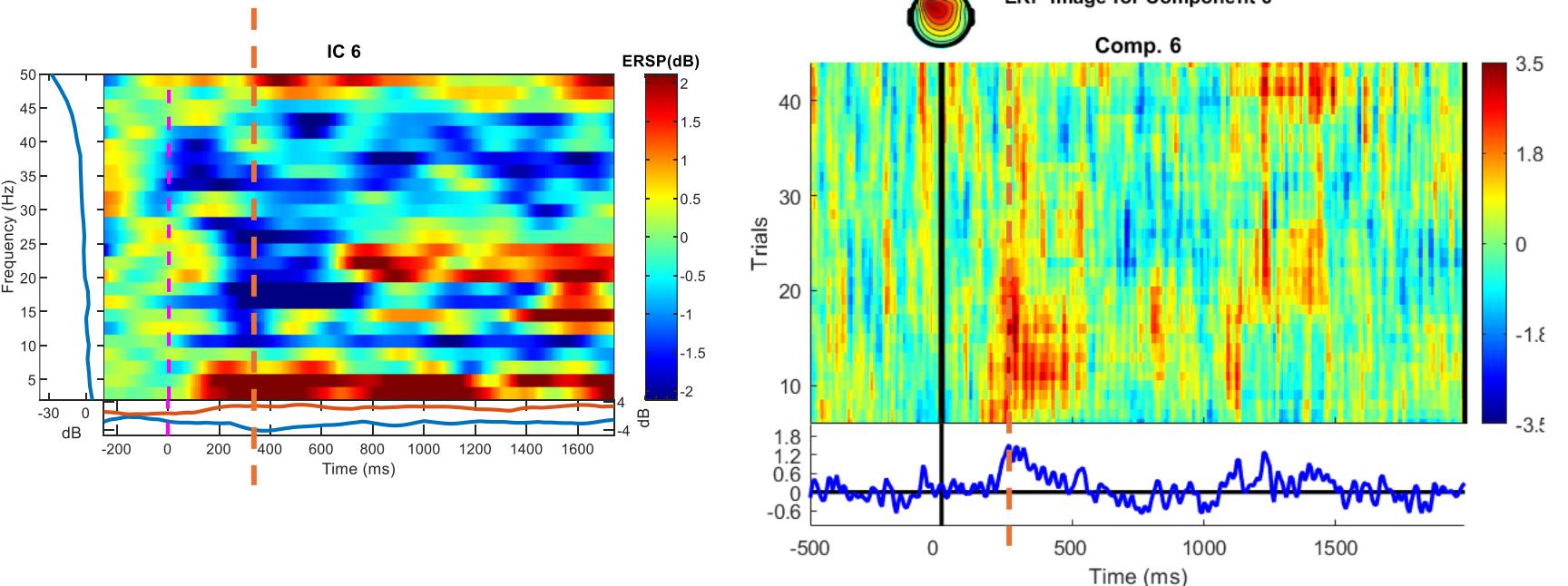
Later Stage

101\_17\_2

Frontal F4	
Time	+350ms
Theta	increase
Alpha	decrease



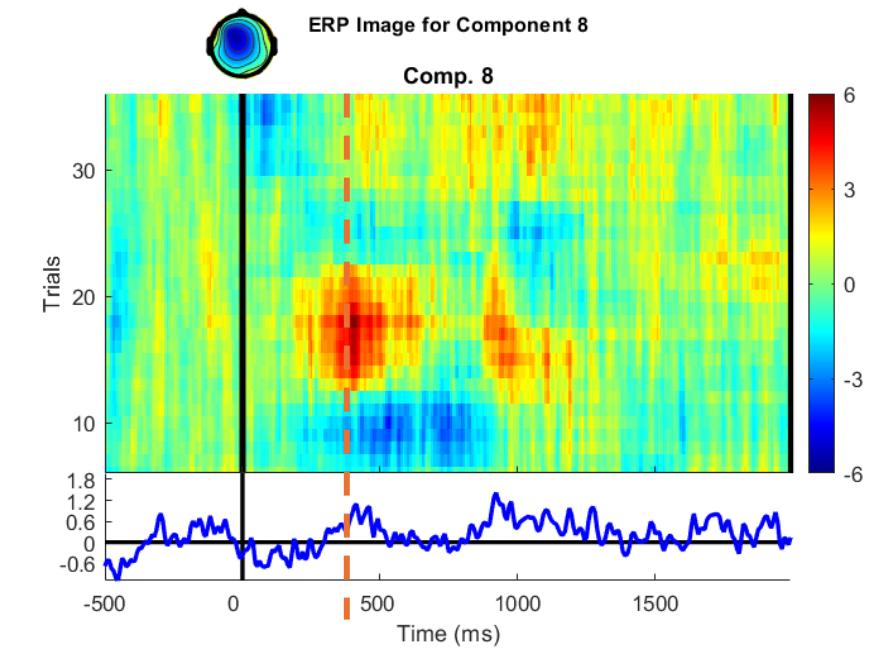
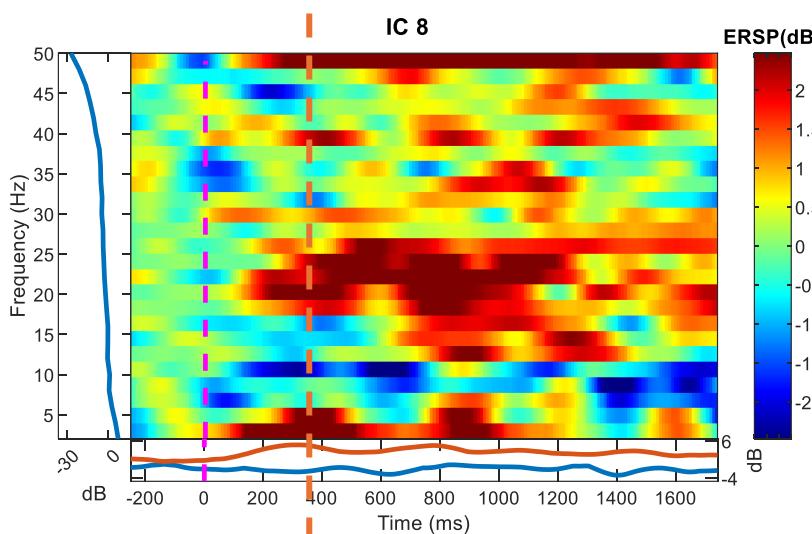
Frontal F3	
Time	+350ms
Theta	increase
Alpha	decrease



Later Stage

101\_17\_3

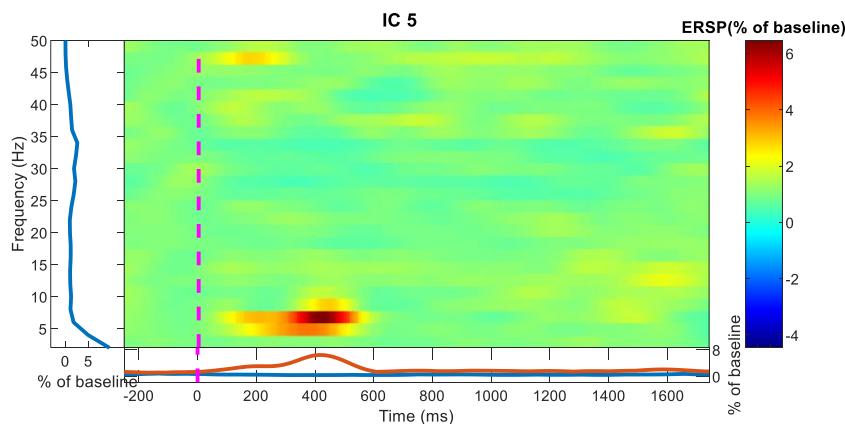
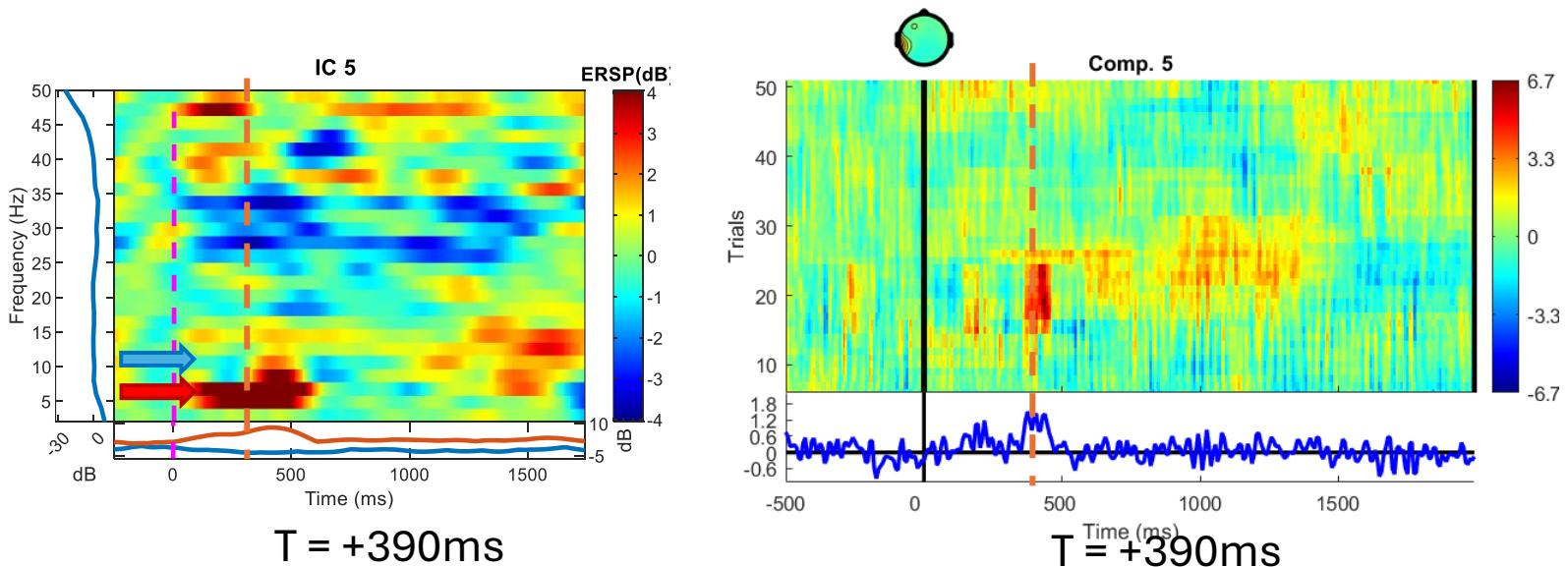
Frontal F3		
Time	+390ms	
Theta	increase	
Alpha	decrease	



Later Stage

# 101\_18\_3

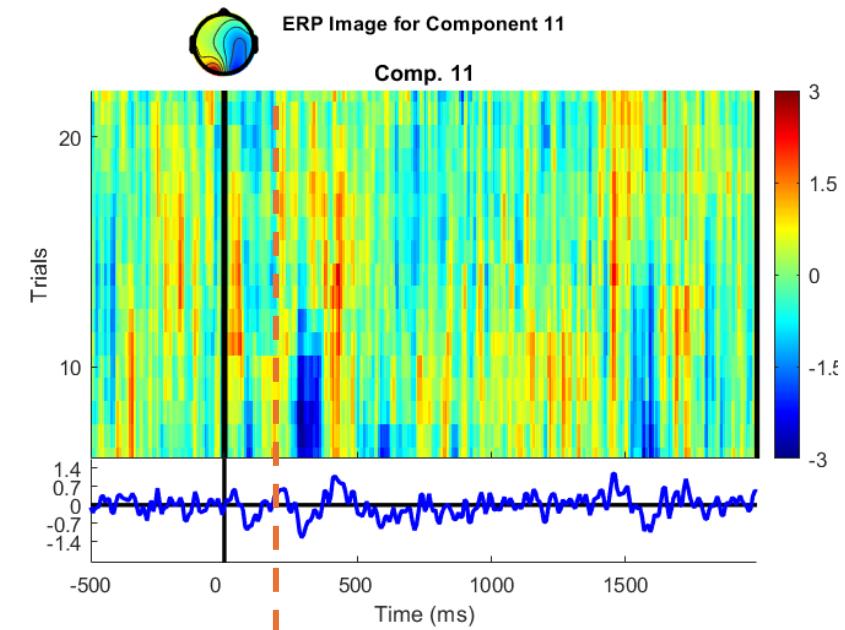
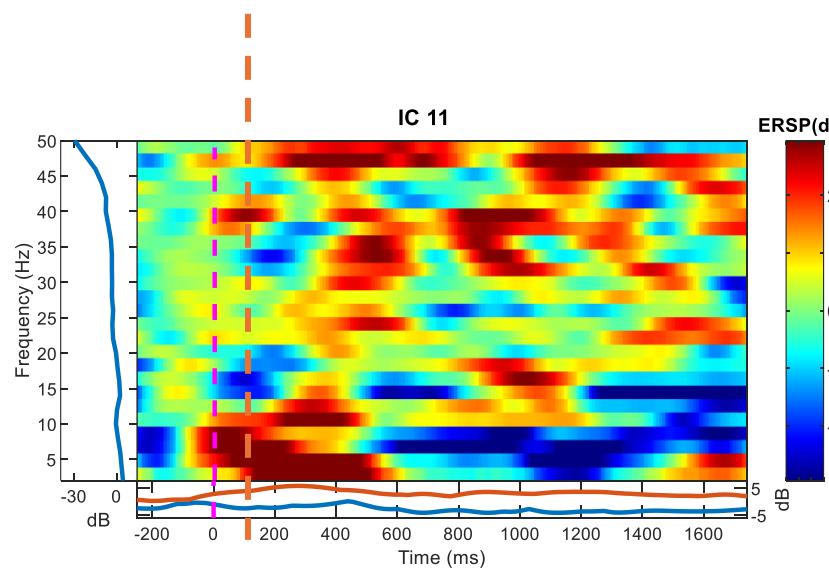
Frontal F5		
Time	+390ms	
Theta	increase	
Alpha	decrease	



Later Stage

# 101\_19\_1

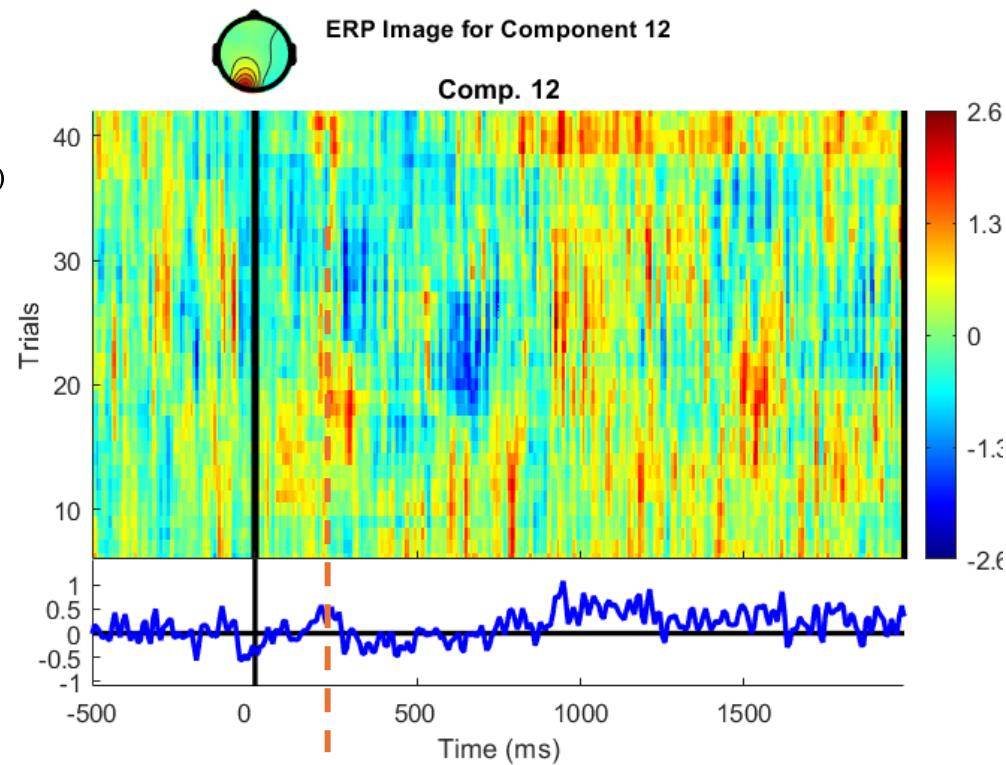
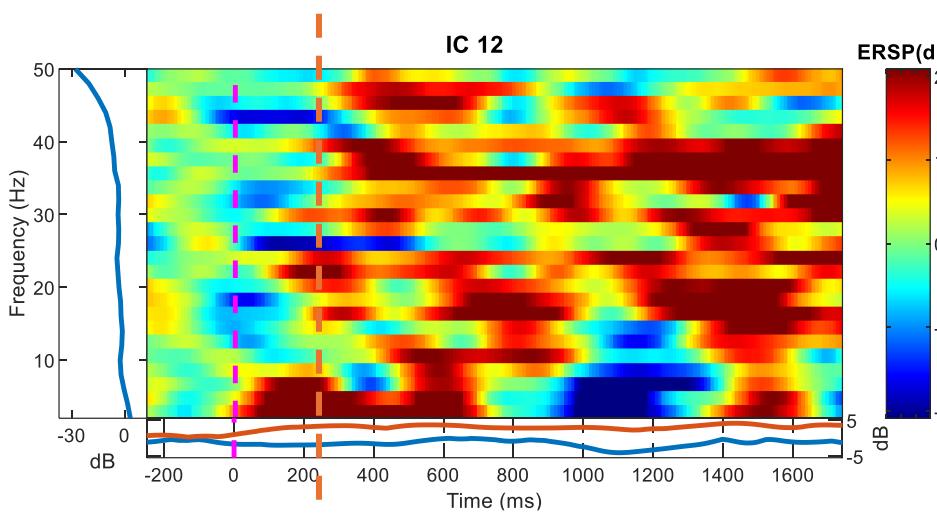
Occipital O1	
Time	+150ms
Theta	increase
Alpha	decrease



Later Stage

# 101\_19\_2

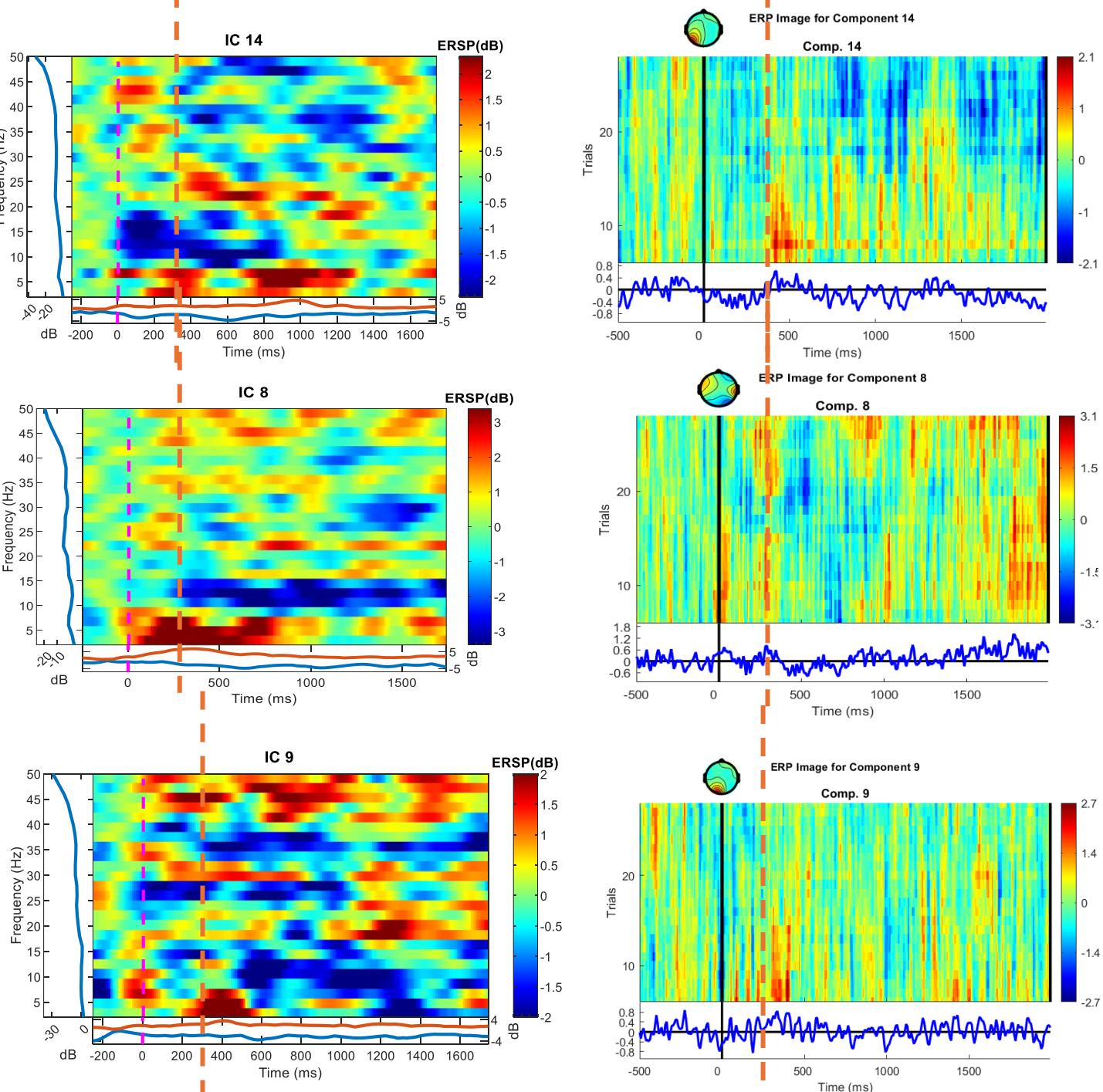
Occipital O1		
Time	+250ms	
Theta	increase	
Alpha	decrease	



Later Stage

101\_20\_1

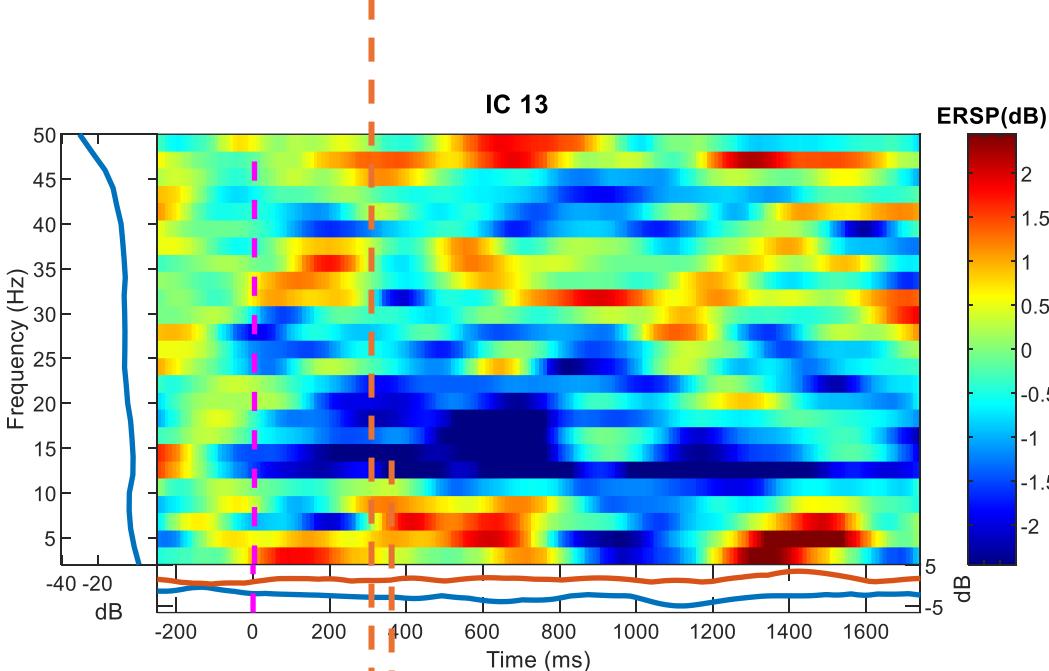
Parietal P7	
Time	+390ms
Theta	increase
Alpha	decrease
Temporal T8	
Time	+390ms
Theta	increase
Alpha	decrease
Occipital O1	
Time	+390ms
Theta	increase
Alpha	decrease



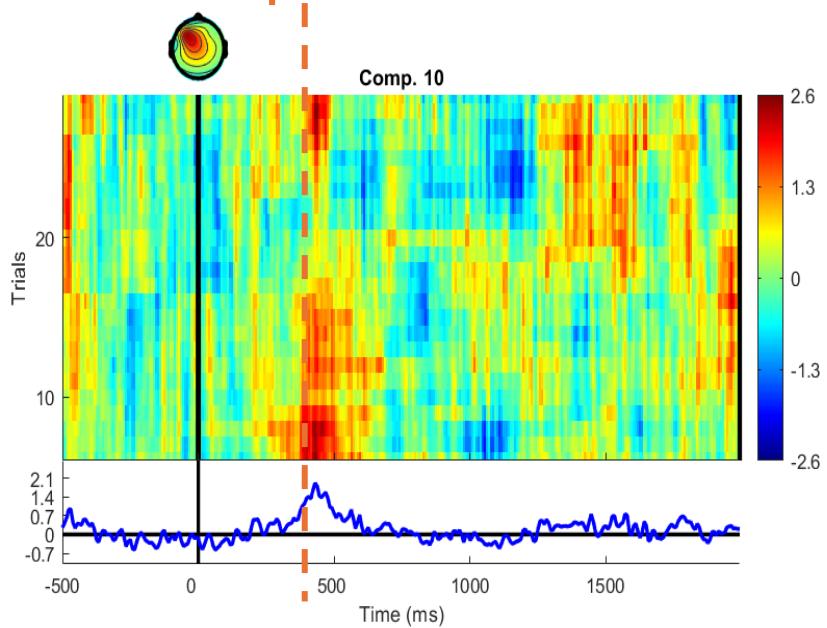
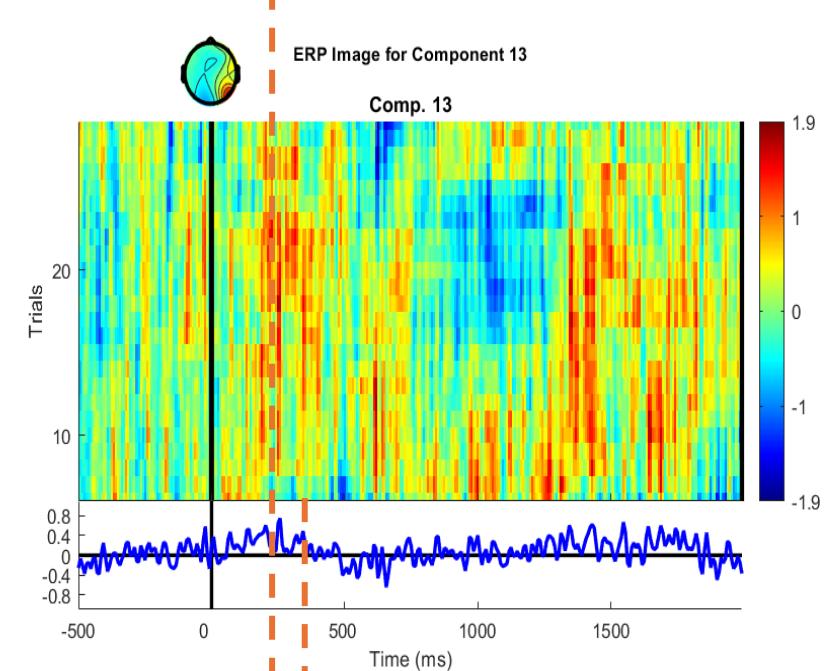
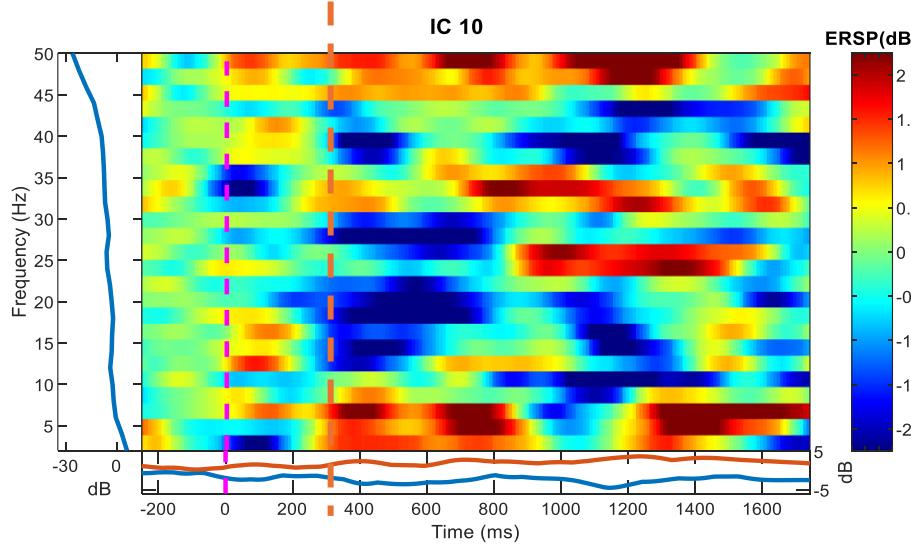
Later Stage

101\_21\_1

Parietal P8	
Time	+290ms
Theta	increase
Alpha	decrease



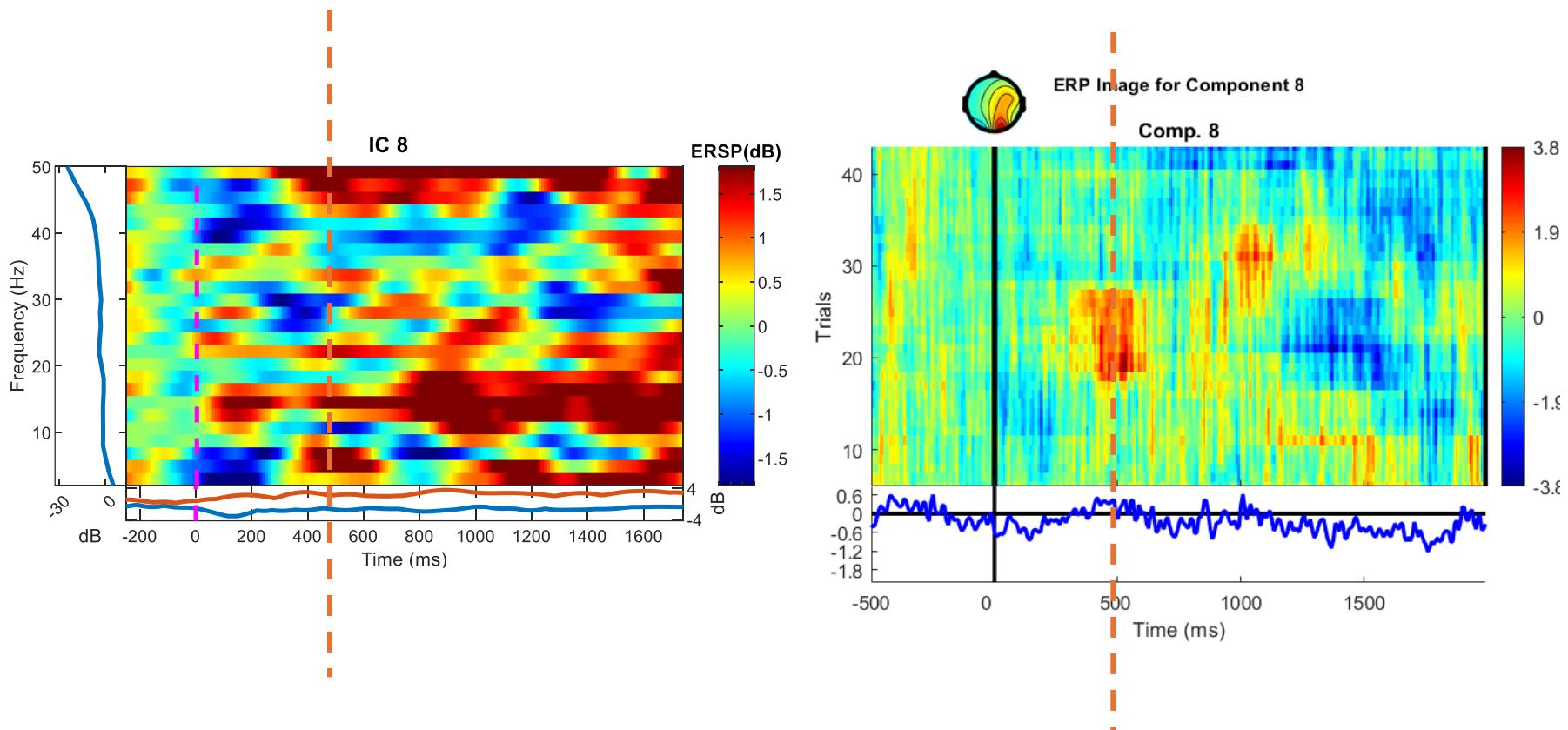
Frontal F3	
Time	+390ms
Theta	increase
Alpha	decrease



Later Stage

# 101\_21\_3

Occipital O2	
Time	+500ms
Theta	increase
Alpha	decrease



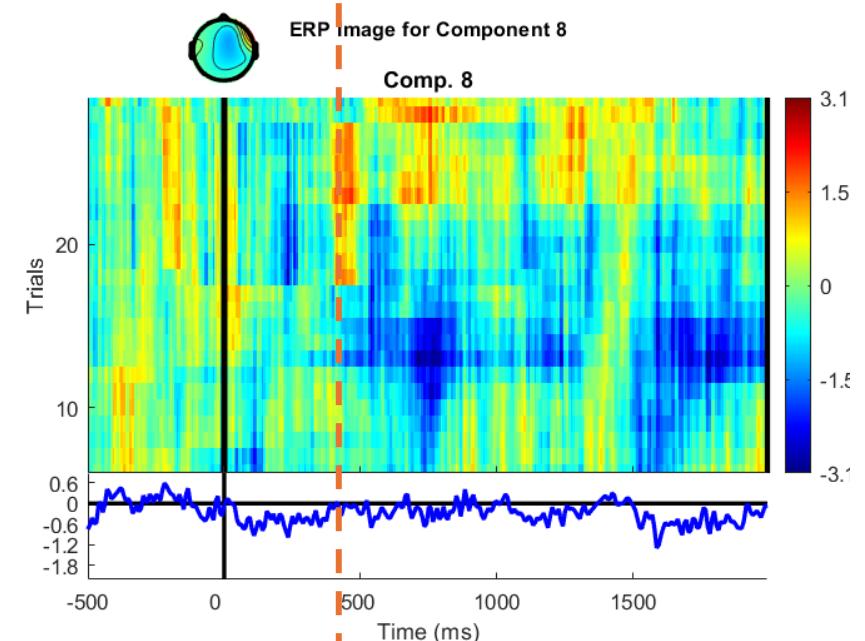
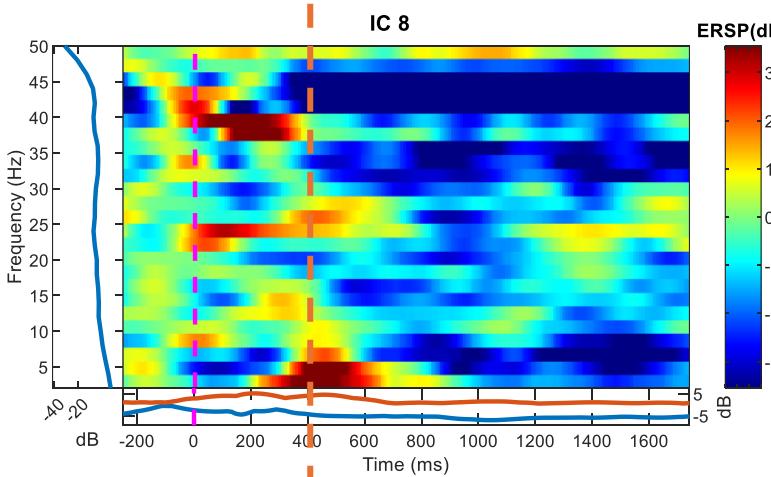
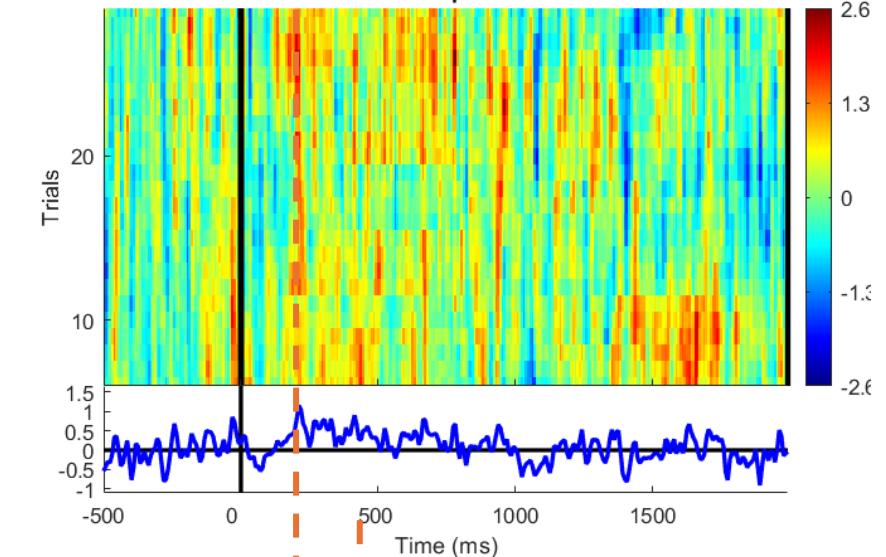
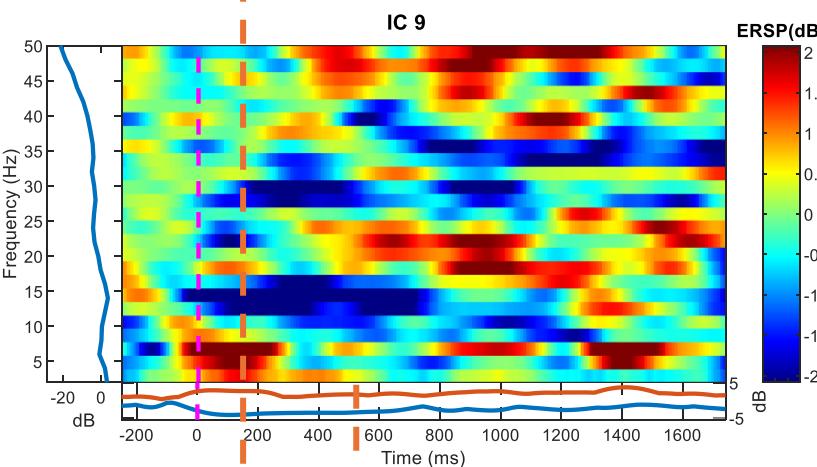
Later Stage

# 101\_22\_3

Occipital O2	
Time	+190ms
Theta	increase
Alpha	decrease

Frontal F8	
Time	+400ms
Theta	increase
Alpha	decrease

Later Stage



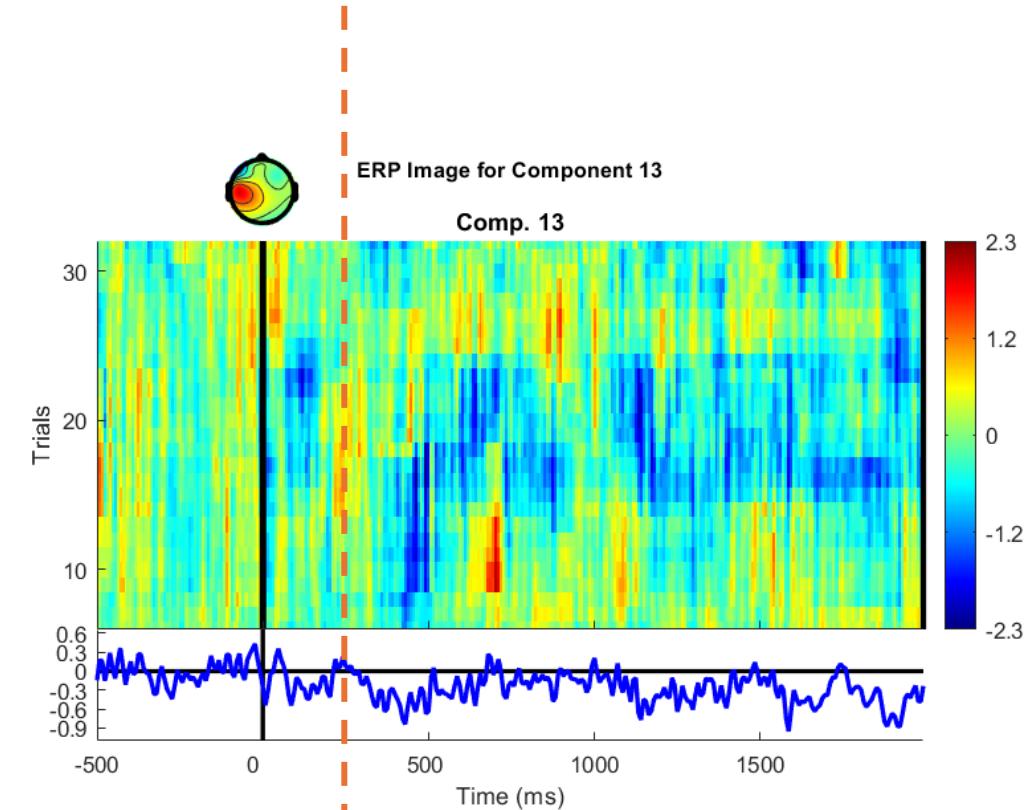
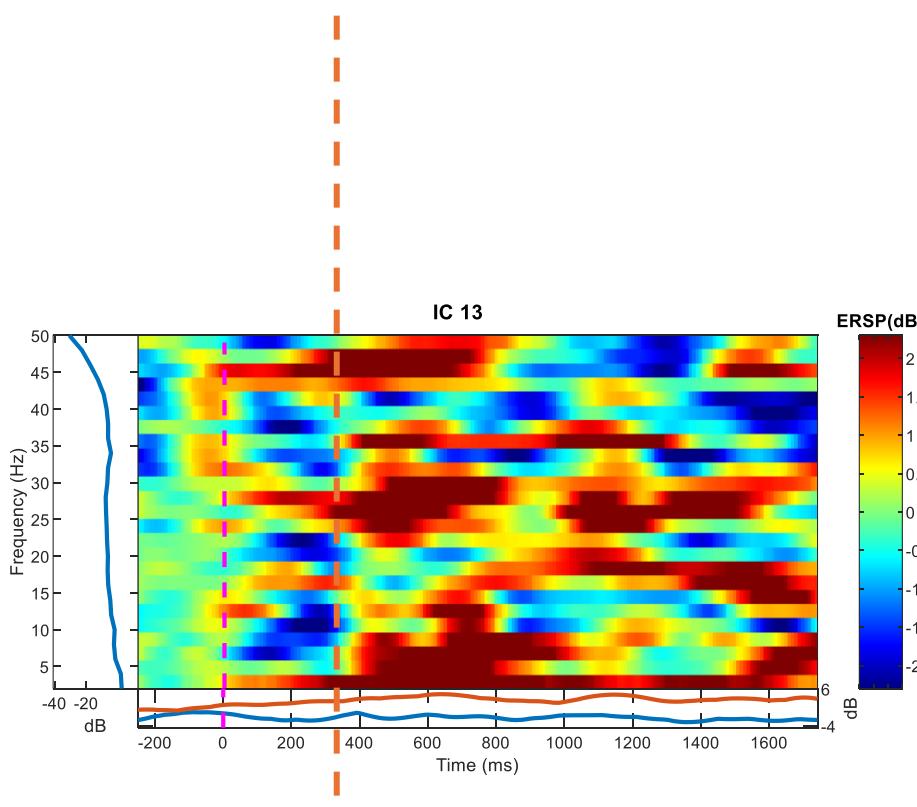
# 101\_23\_1

## Frontal FC5

Time +300ms

Theta increase

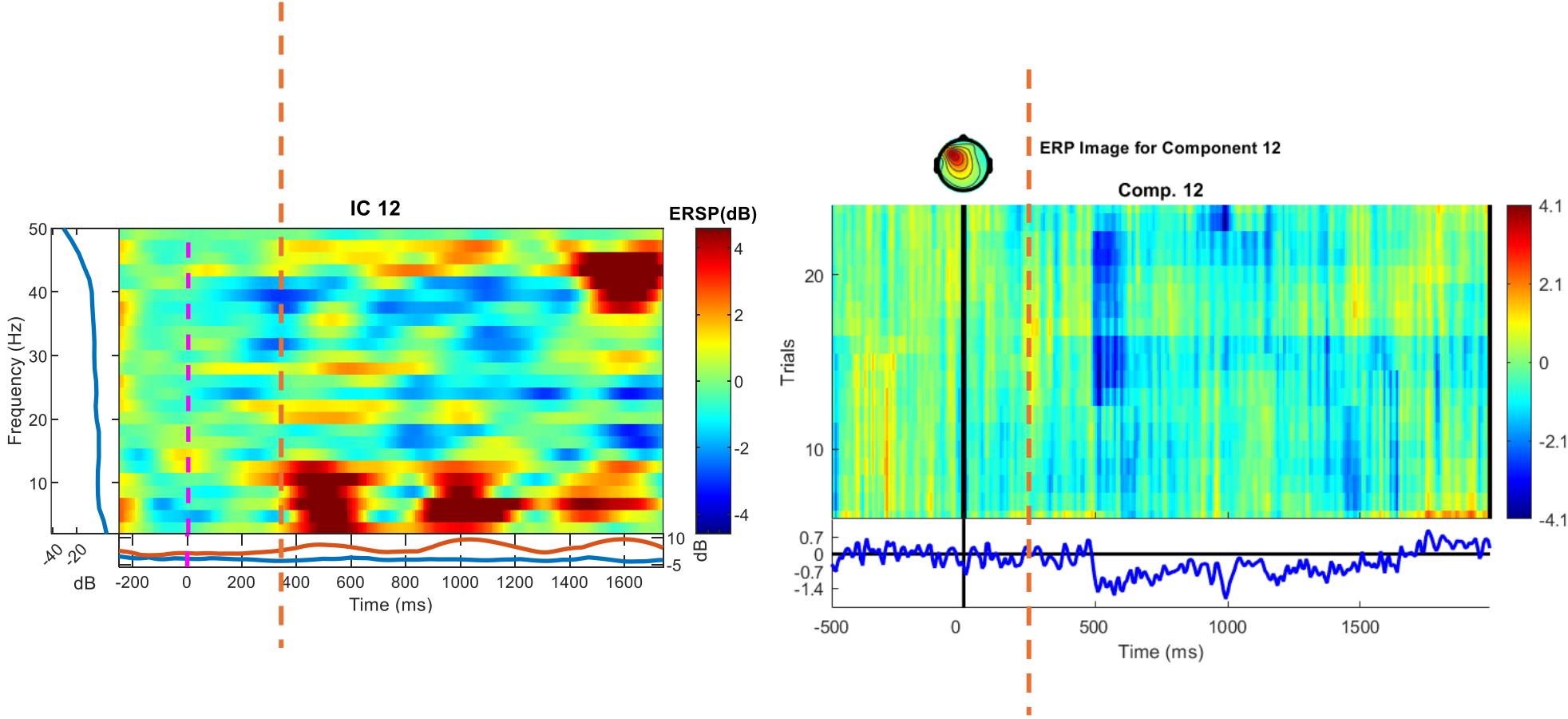
Alpha decrease



Later Stage

# 101\_23\_1

Frontal F3		
Time	+300ms	
Theta	increase	
Alpha	decrease	

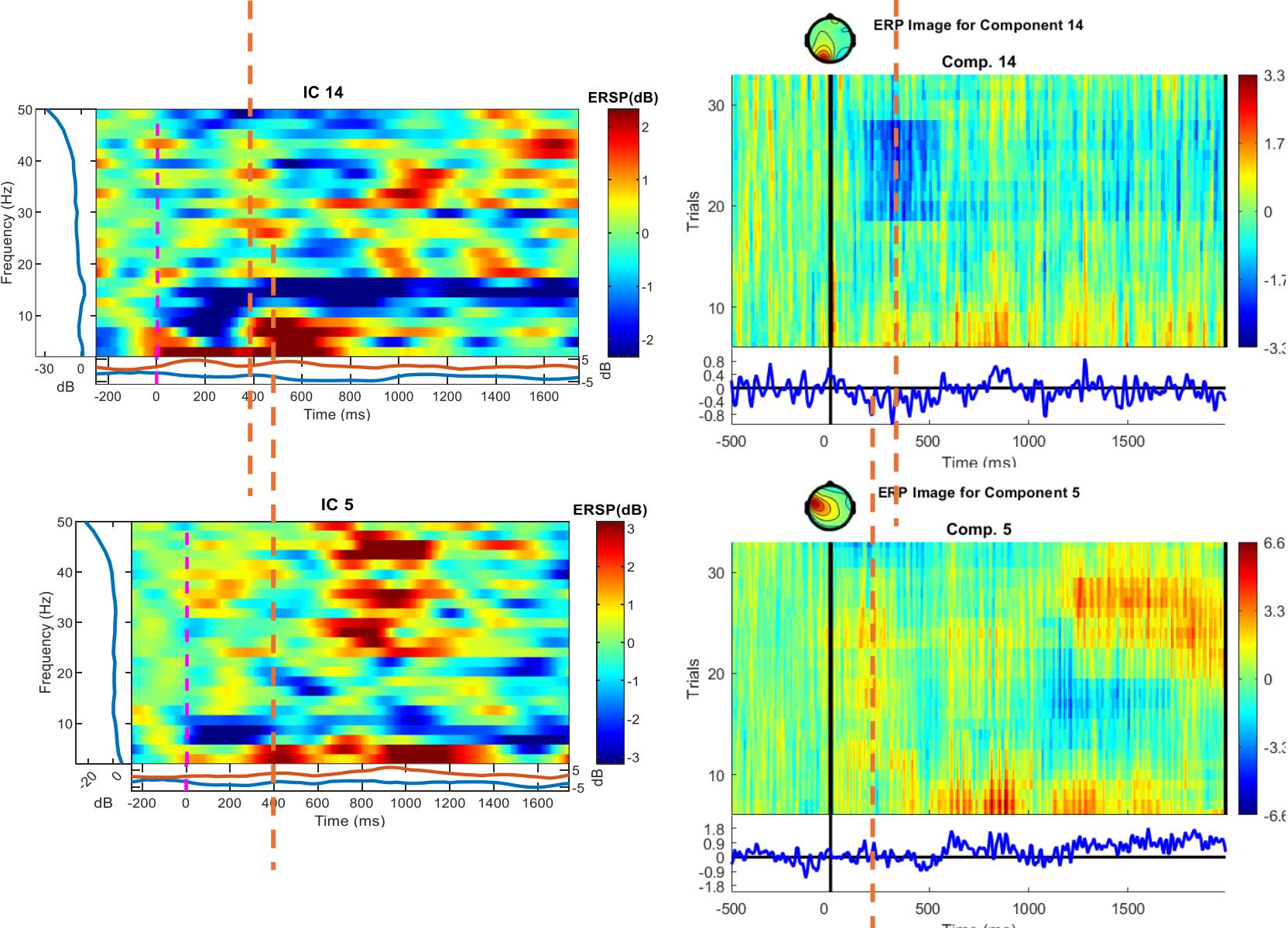


Later Stage

101\_24\_1

Parietal P7		
Time	+300ms	
Theta	increase	
Alpha	decrease	

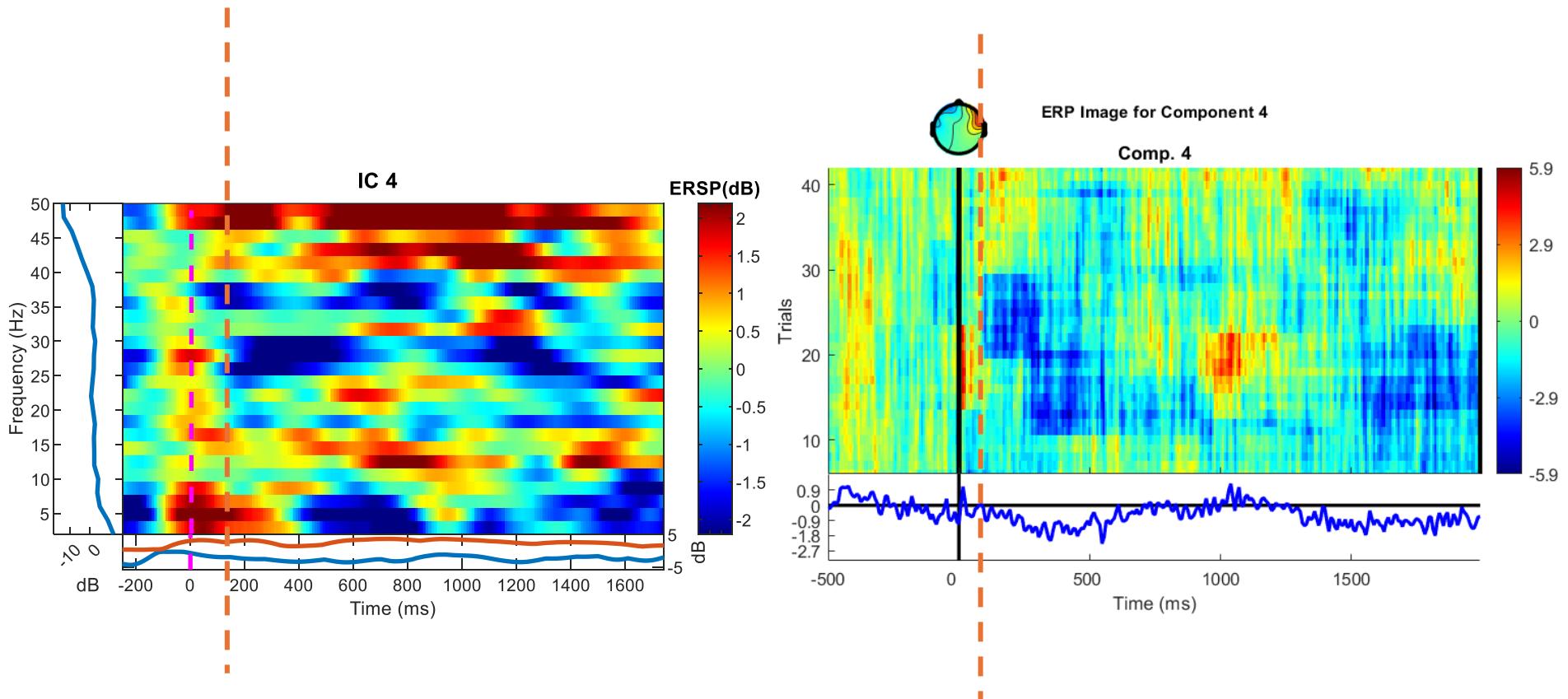
Frontal FC5		
Time	+300ms	
Theta	increase	
Alpha	decrease	



Later Stage

# 101\_24\_3

Frontal F8	
Time	+150ms
Theta	increase
Alpha	-

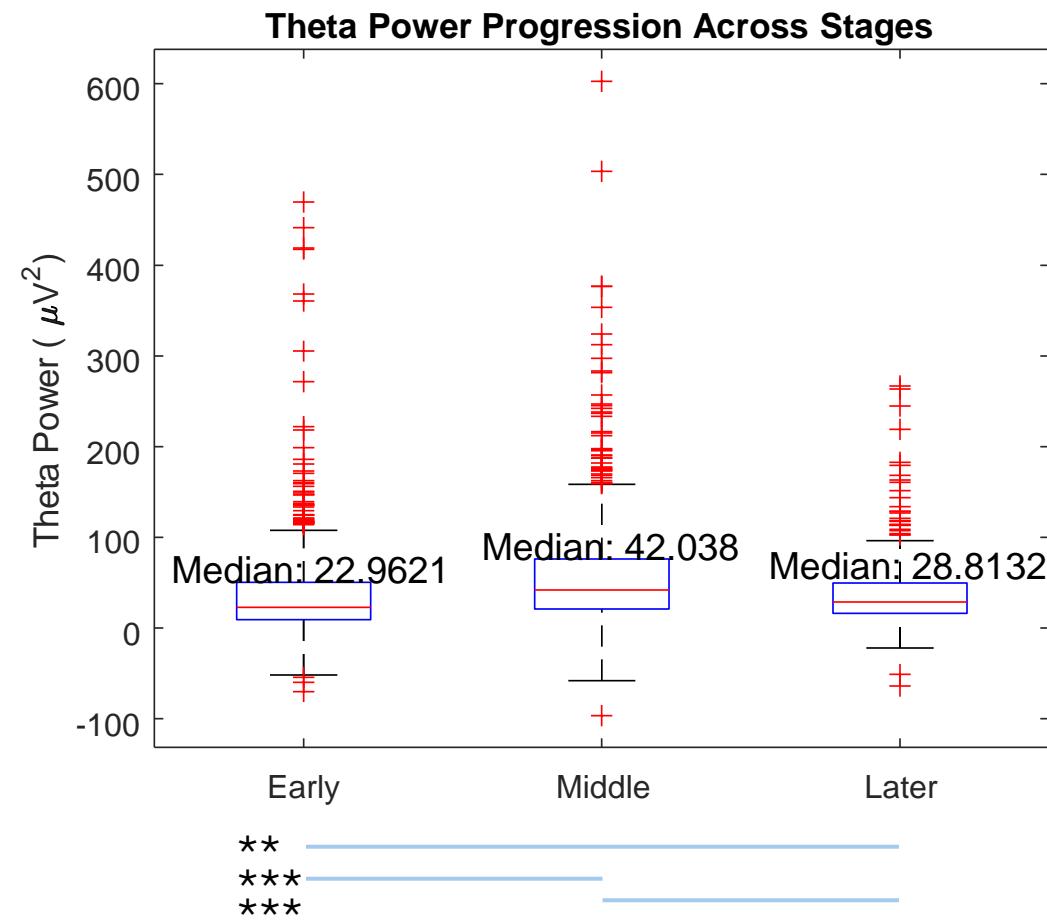


Later Stage

End of selection

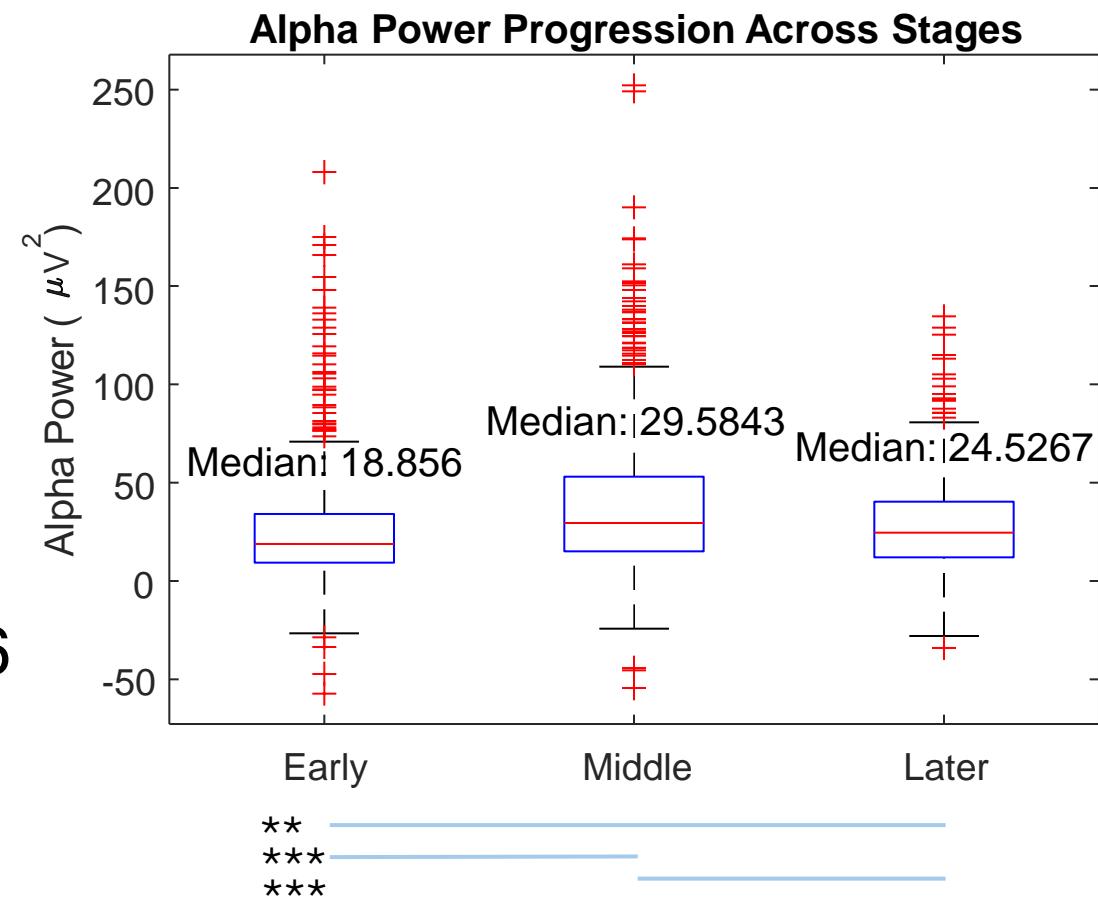
# Theta (4-8Hz) power energy progression

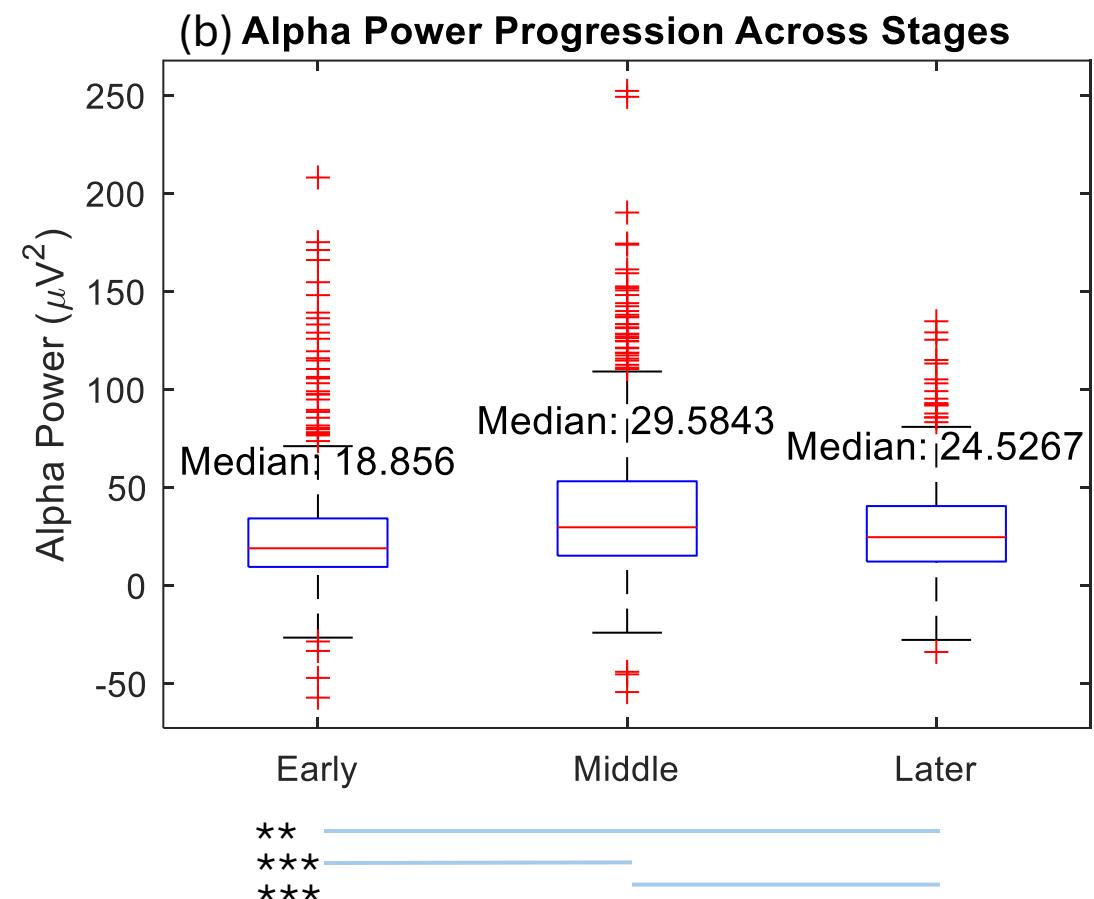
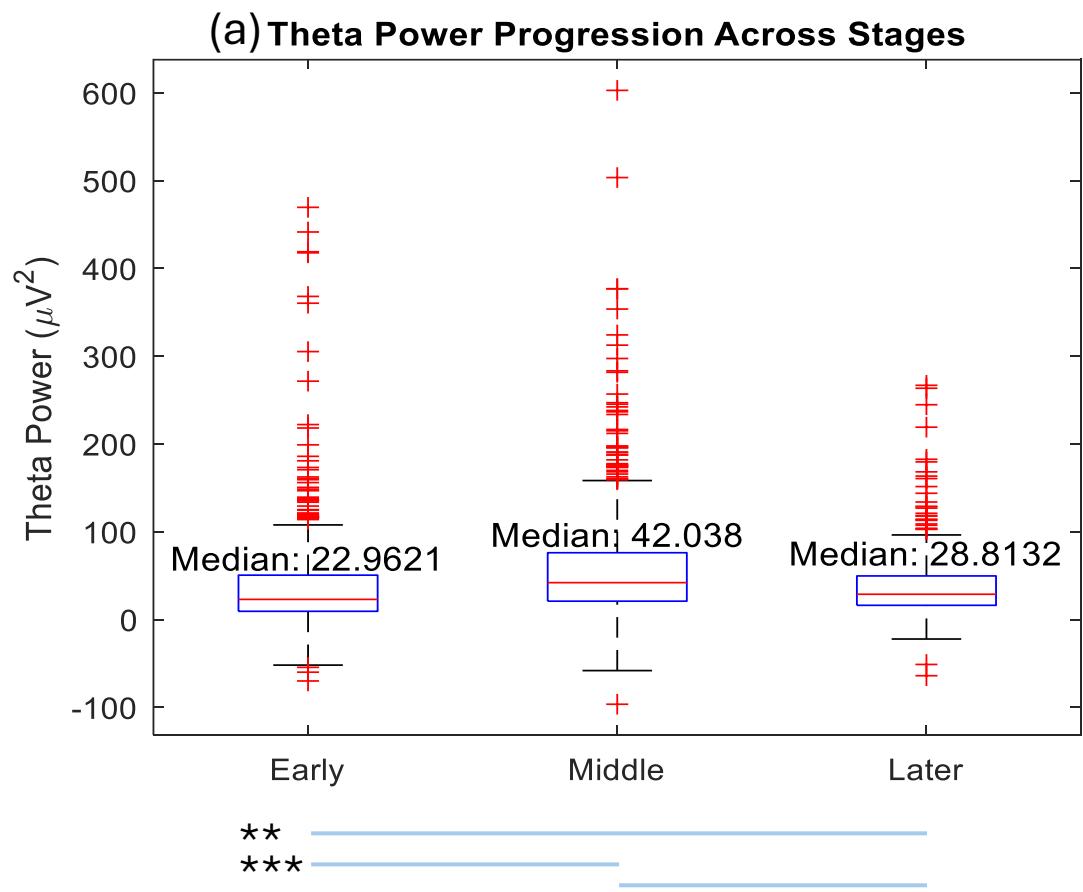
- Baseline: [-150 0]
- P300\_Latency: [-200 +200]
- Cap value: 50 $\mu$ V
- Results
- p-value (Early vs Middle): 2.5414e-19
- p-value (Middle vs Later): 6.0225e-13
- p-value (Early vs Later): 0.018736



# Alpha (9-14Hz) power energy progression

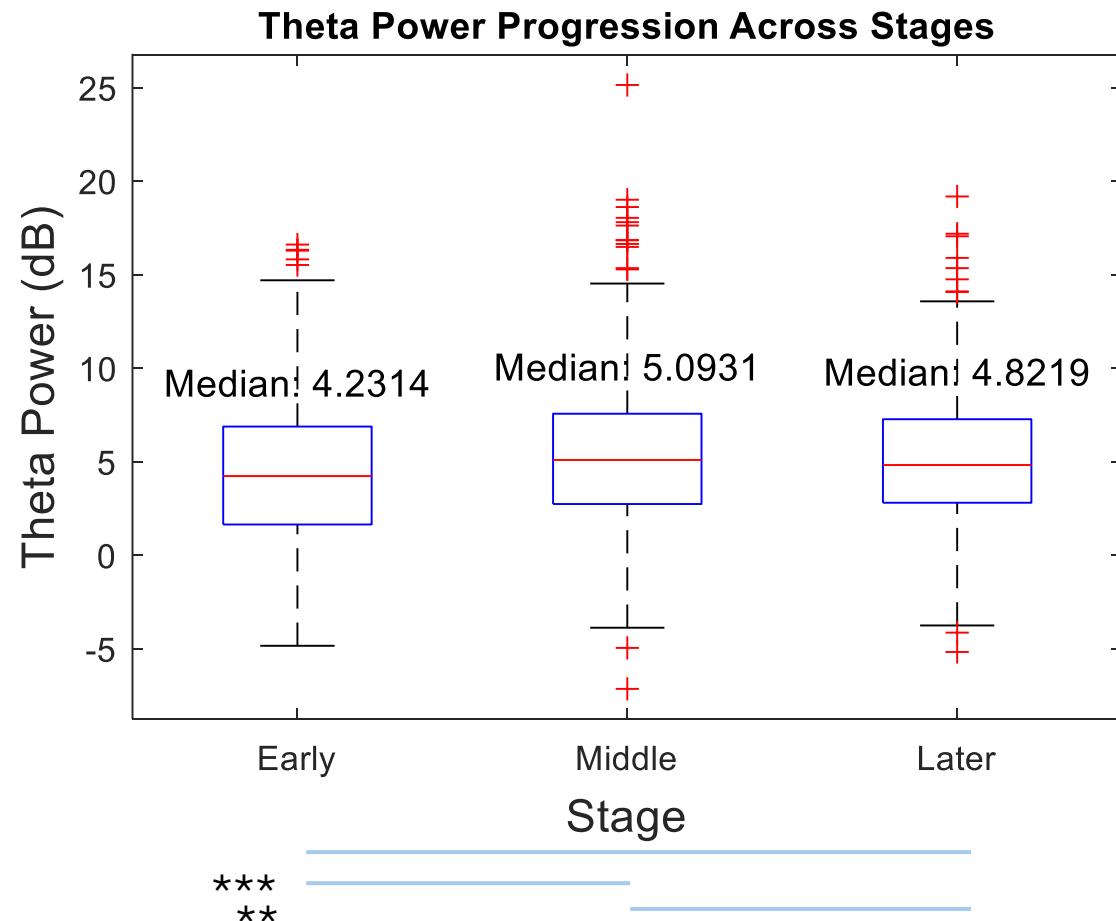
- Baseline: [-150 0]
- P300\_Latency: [-200 +200]
- Cap value: 50 $\mu$ V
- Results
- p-value (Early vs Middle): 1.5851e-17
- p-value (Middle vs Later): 1.6211e-06
- p-value (Early vs Later): 0.0011246





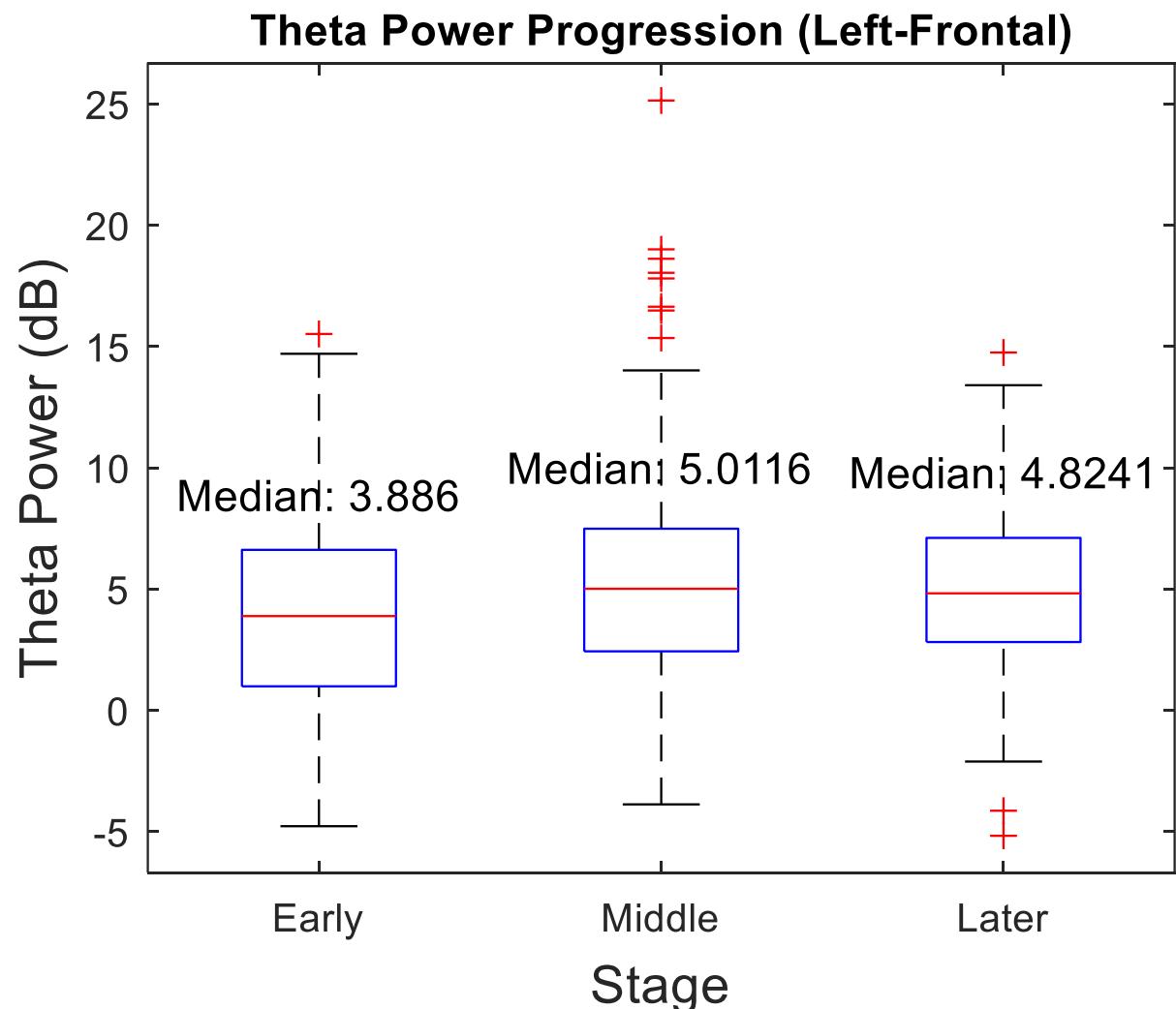
# Theta (4-8Hz) power energy progression

- Baseline: [-150 0]
- P300\_Latency: [-200 +200]
- Cap value: 50 $\mu$ V
- p-value (Early vs Middle): 3.4599e-06
- p-value (Middle vs Later): 0.39107
- p-value (Early vs Later): 0.0014836



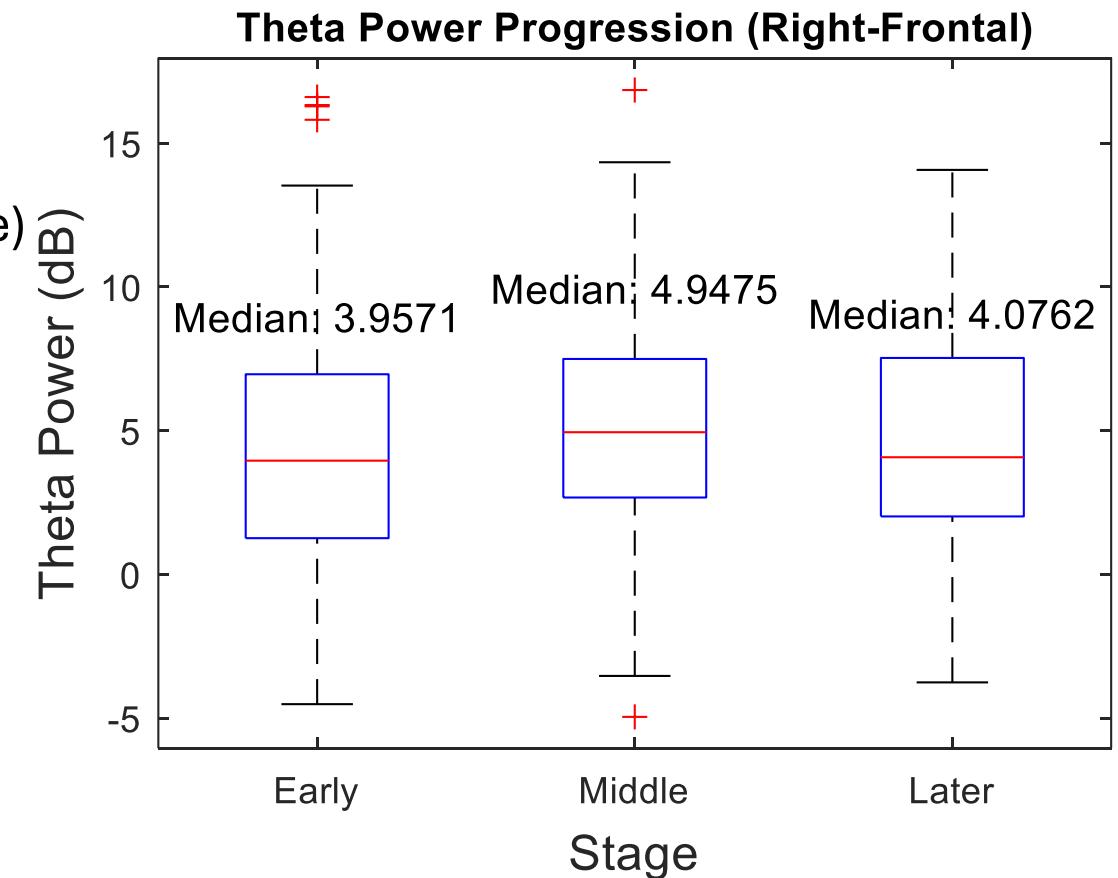
# Left-Frontal (4-8Hz) Theta Power

- Components processed: 21
- p-value (Early vs Middle): 0.00074877 (increase)
- p-value (Middle vs Later): 0.82238432 (decrease)
- p-value (Early vs Later): 0.020153138 (increase)



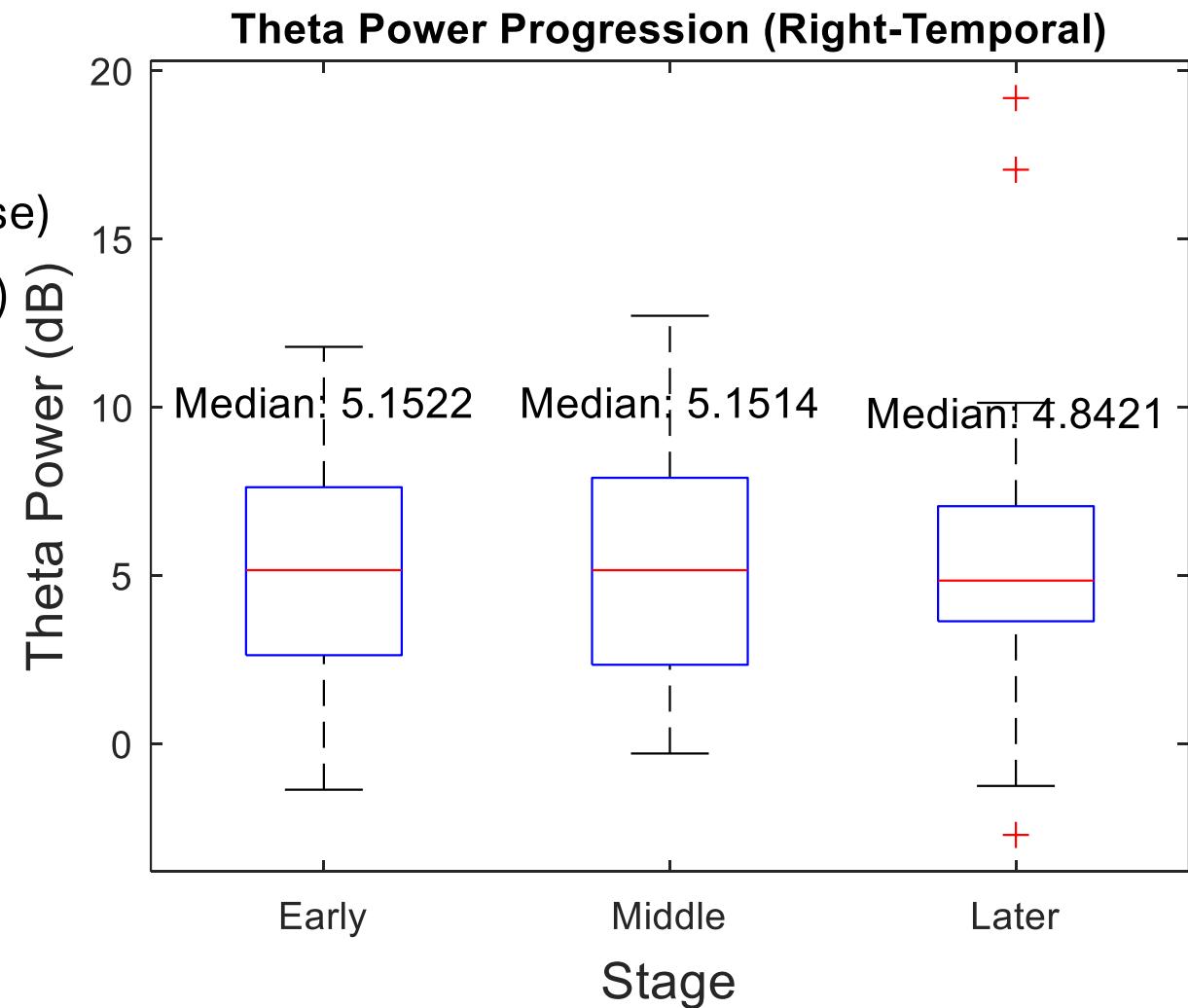
# Right-Frontal (4-8Hz) Theta Power

- Components processed: 17
- p-value (Early vs Middle): 0.0043264 (increase)
- p-value (Middle vs Later): 0.33708844 (decrease)
- p-value (Early vs Later): 0.27826239 (increase)



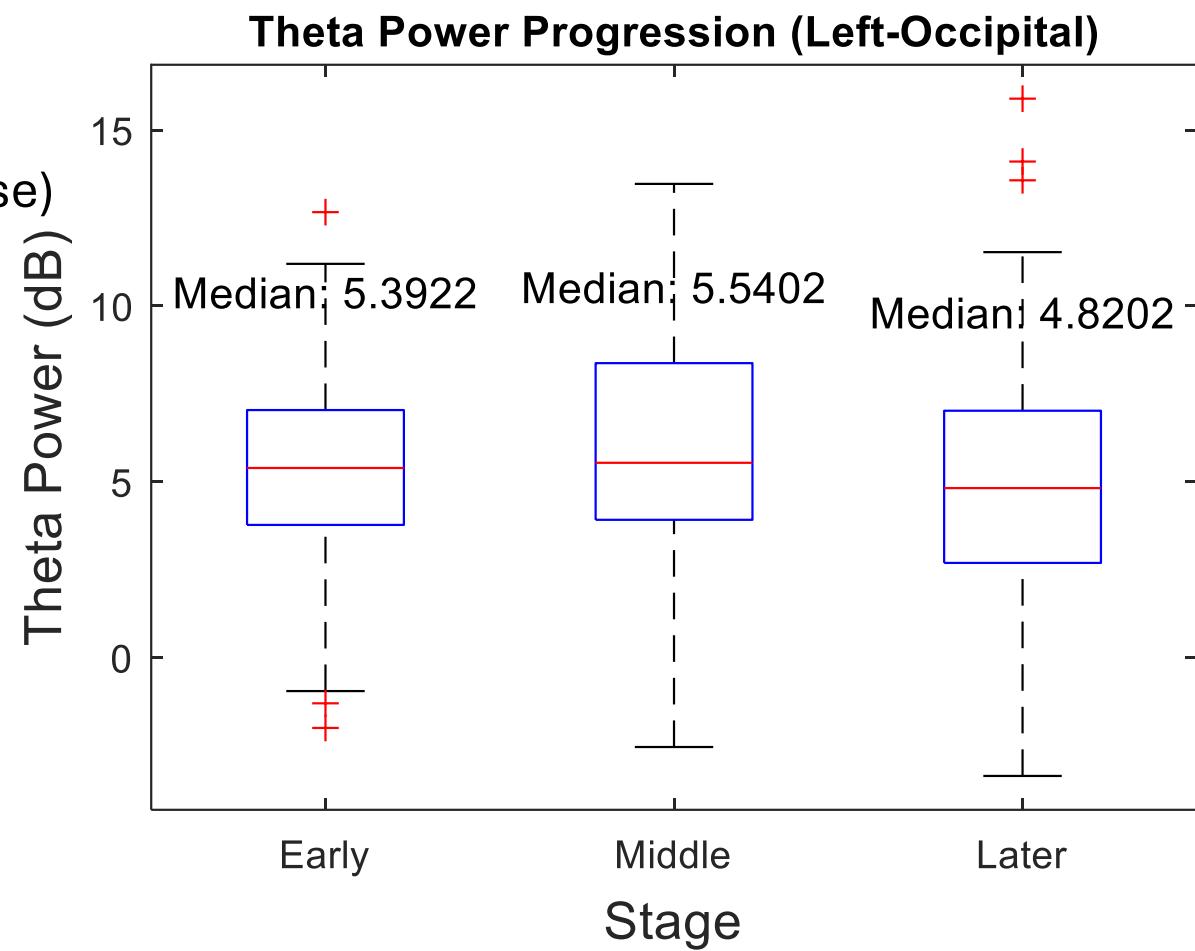
# Right-Temporal (4-8Hz) Theta Power

- Components processed: 3
- p-value (Early vs Middle): 0.85532 (decrease)
- p-value (Middle vs Later): 0.86355381 (decrease)
- p-value (Early vs Later): 0.65381455 (decrease)



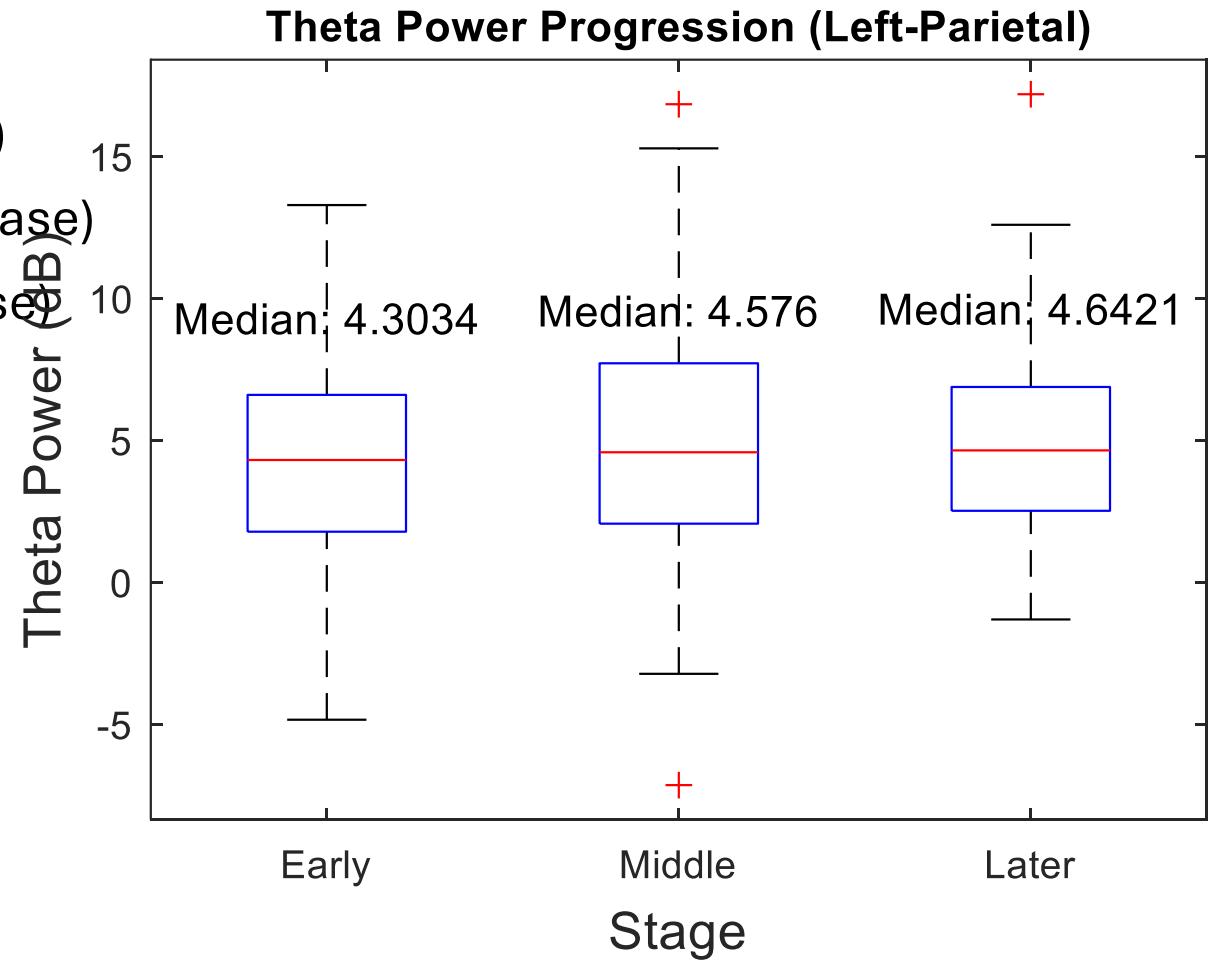
# Left-Occipital (4-8Hz) Theta Power

- Components processed: 7
- p-value (Early vs Middle): 0.12654 (increase)
- p-value (Middle vs Later): 0.056916414 (decrease)
- p-value (Early vs Later): 0.73259723 (decrease)



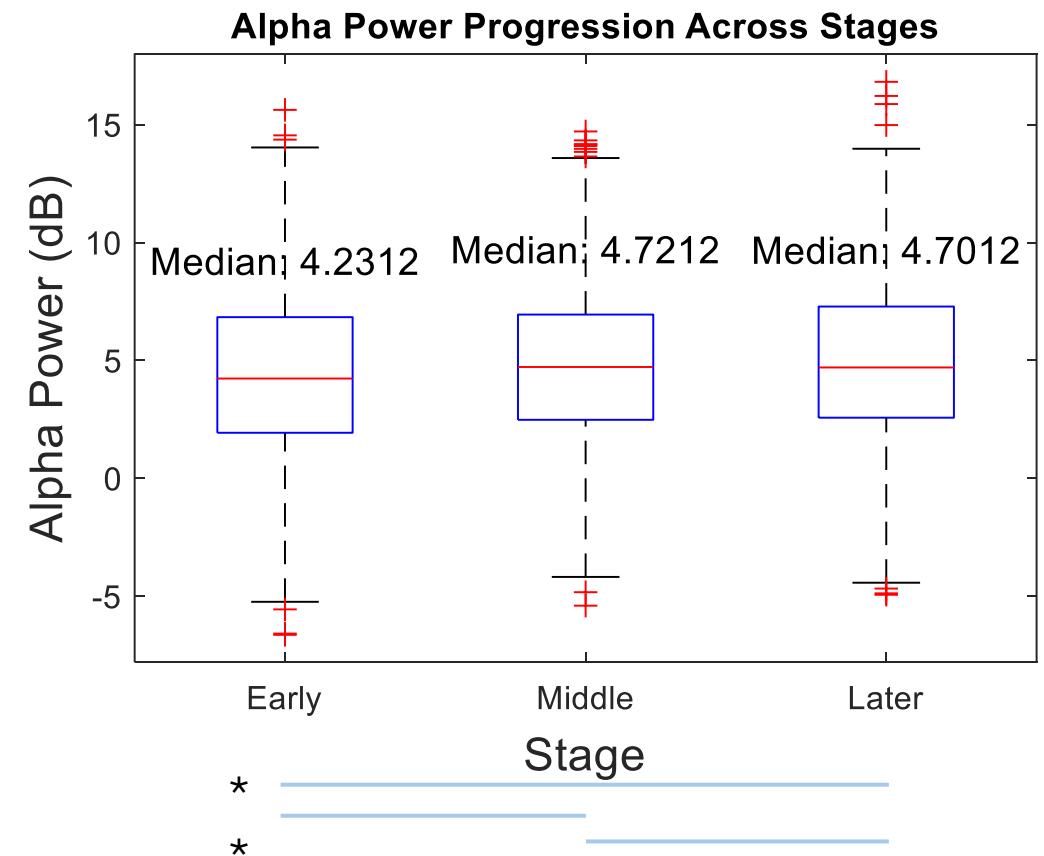
# Left-Parietal (4-8Hz) Theta Power

- Components processed: 5
- p-value (Early vs Middle): 0.35867 (increase)
- p-value (Middle vs Later): 0.78138101 (increase)
- p-value (Early vs Later): 0.48769108 (increased)



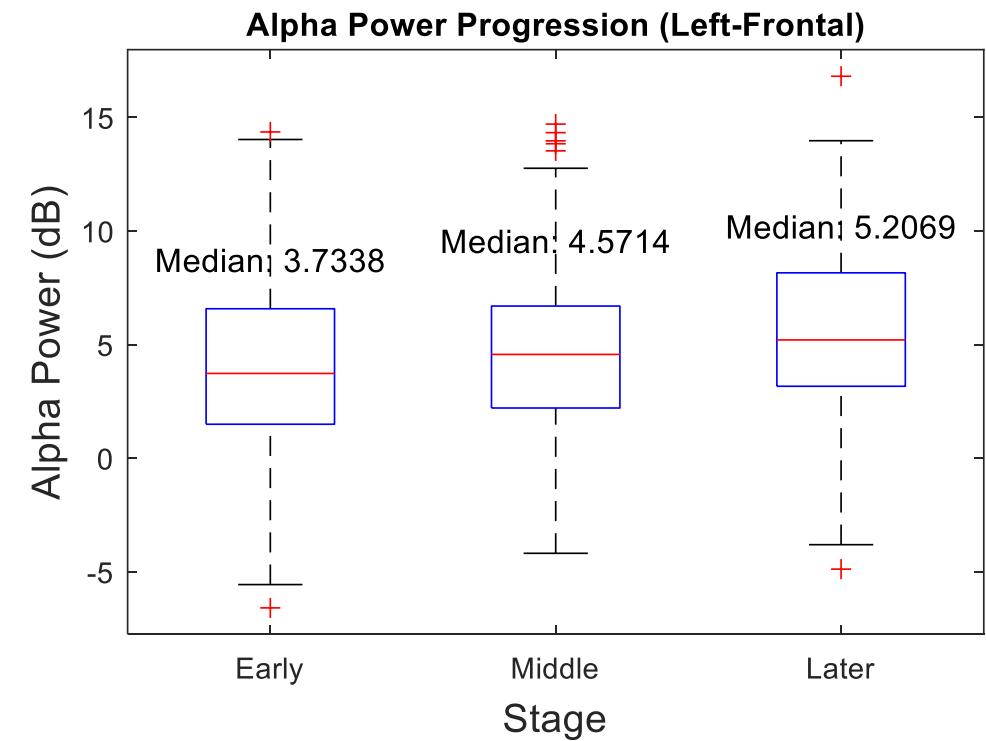
# Alpha (9-14Hz) power energy progression

- Baseline: [-150 0]
- P300\_Latency: [-200 +200]
- Cap value: 50 $\mu$ V
- p-value (Early vs Middle): 0.023791
- p-value (Middle vs Later): 0.78016
- p-value (Early vs Later): 0.034418



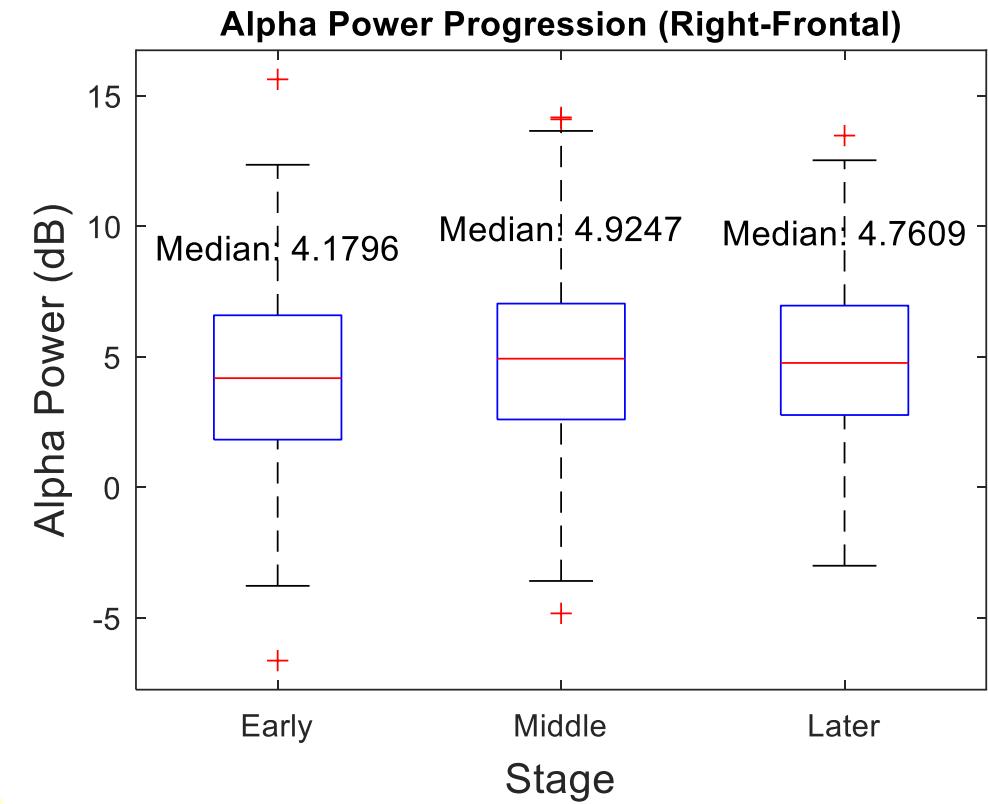
# Left-Frontal

- Components processed: 21
- p-value (Early vs Middle): 0.087837 (increase)
- p-value (Middle vs Later): 0.011961494 (increase)
- p-value (Early vs Later): 0.0011379251 (increase)



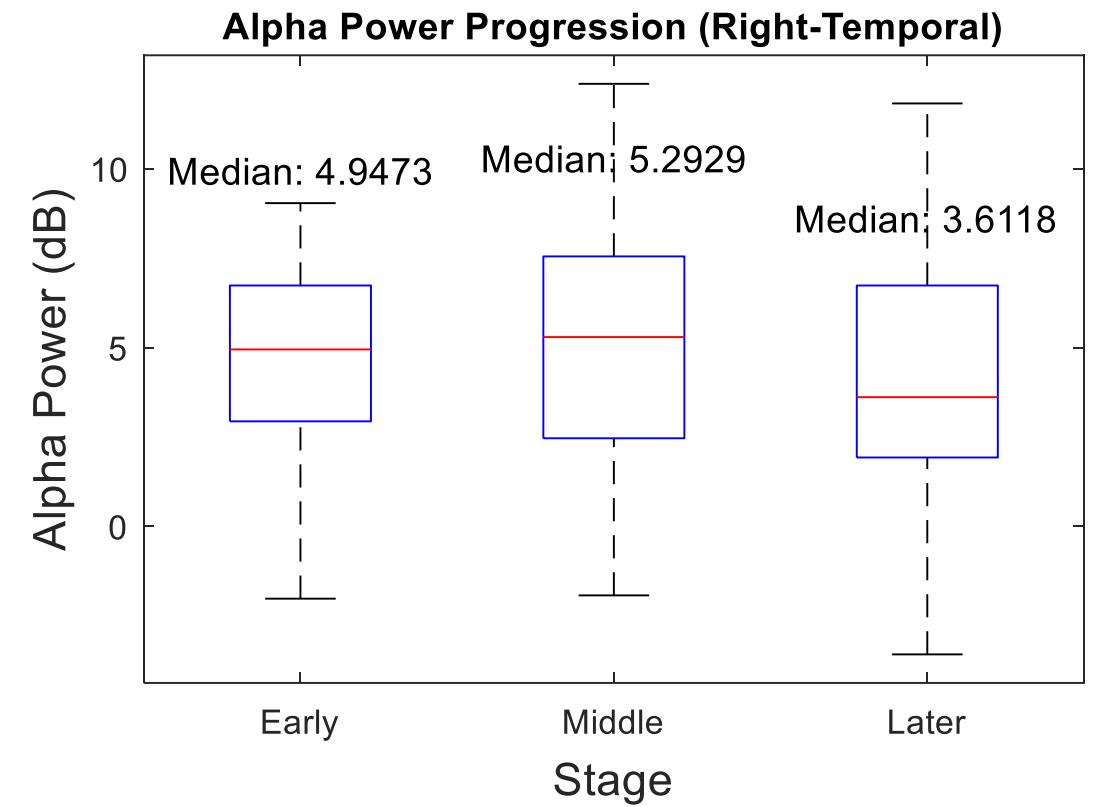
# Right-Frontal

- Components processed: 17
- p-value (Early vs Middle): 0.071536 (increase)
- p-value (Middle vs Later): 0.98501158 (decrease)
- p-value (Early vs Later): 0.24680823 (increase)



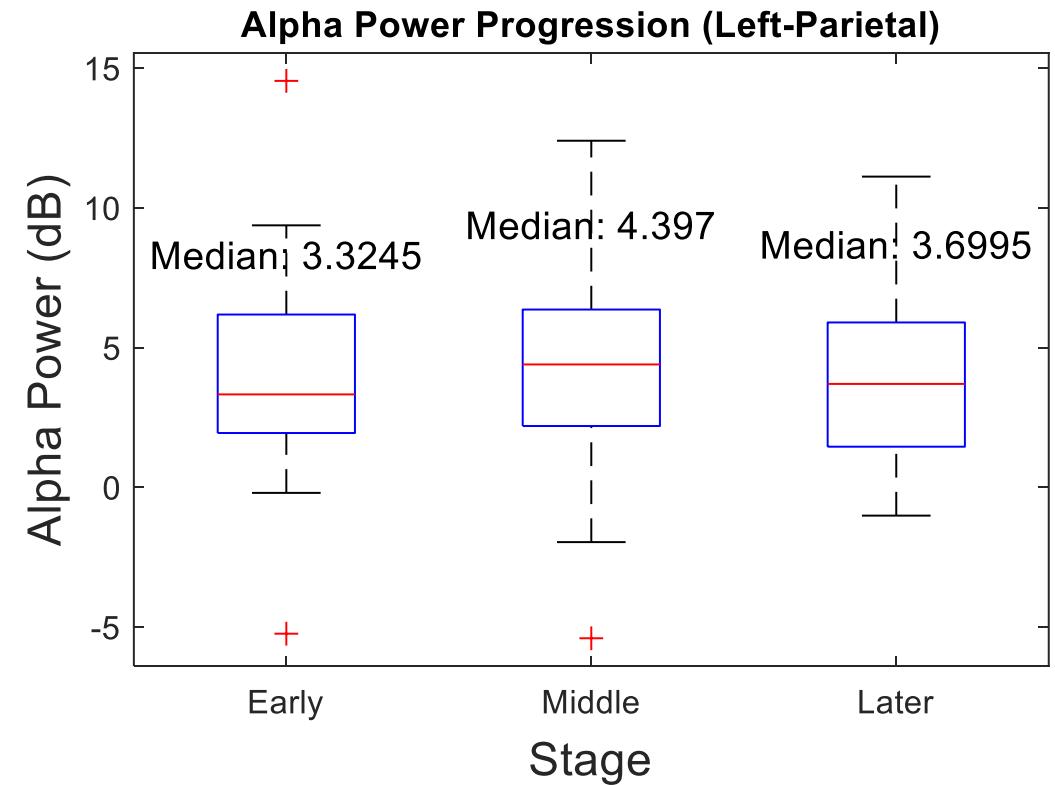
# Right-Temporal

- Components processed: 3
- p-value (Early vs Middle): 0.64625 (increase)
- p-value (Middle vs Later): 0.21342261 (decrease)
- p-value (Early vs Later): 0.29915968 (decrease)



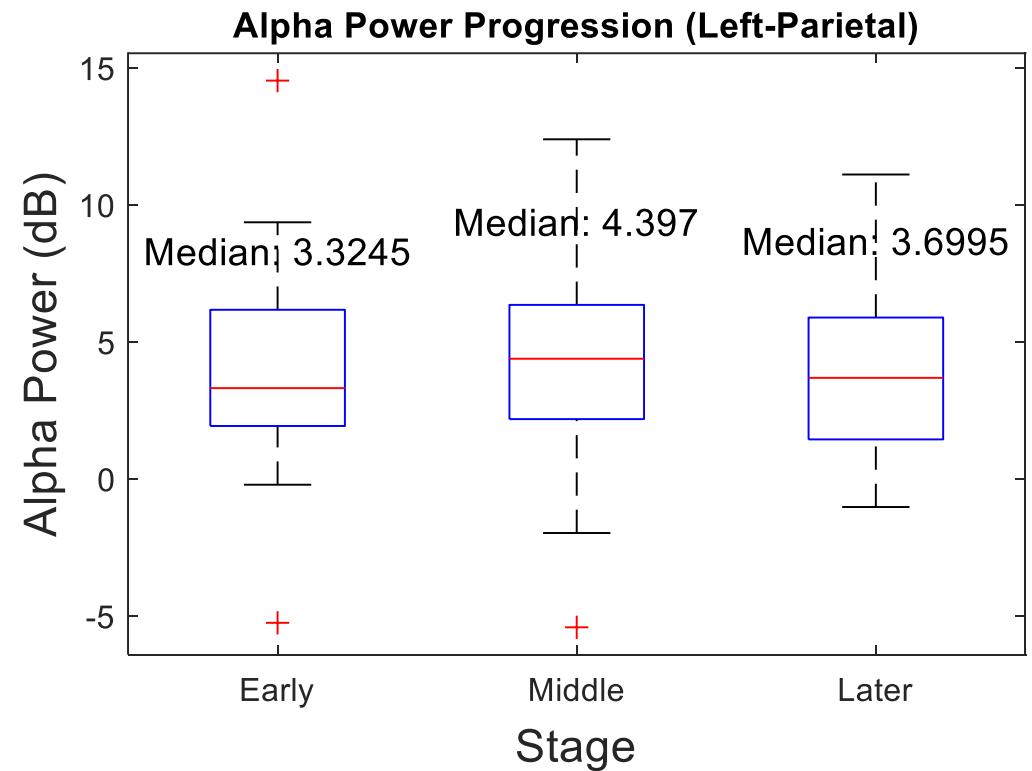
# Left-Occipital

- Components processed: 7
- p-value (Early vs Middle): 0.14368 (increase)
- p-value (Middle vs Later): 0.023712151 (decrease)
- p-value (Early vs Later): 0.63906669 (increase)

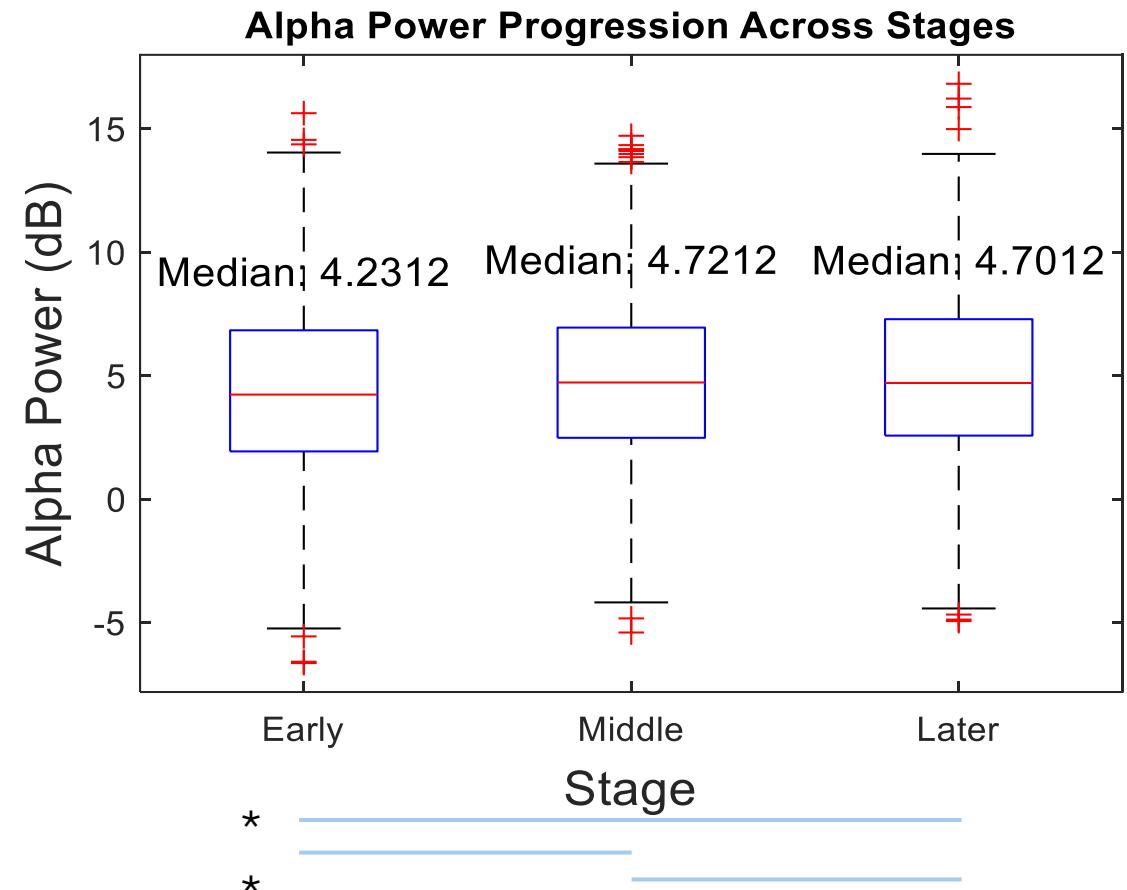
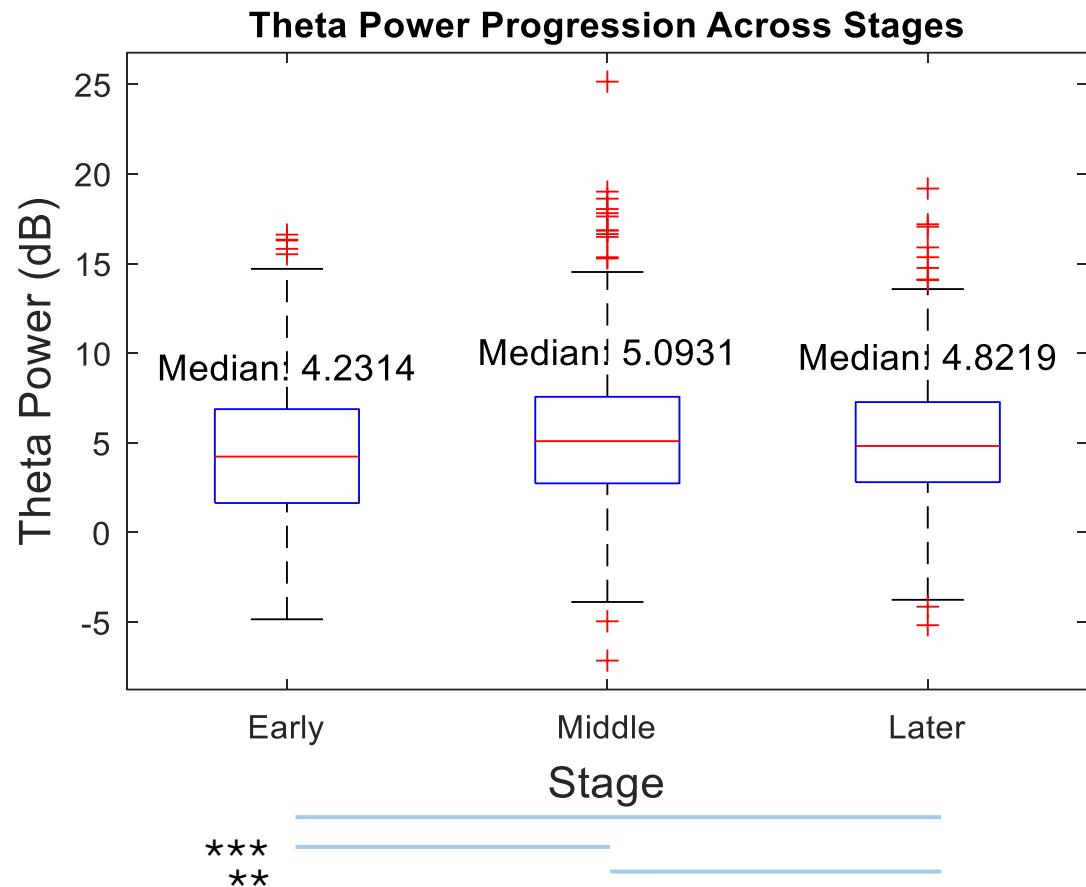


# Region: Left-Parietal

- Components processed: 5
- p-value (Early vs Middle): 0.41506 (increase)
- p-value (Middle vs Later): 0.27971104 (decrease)
- p-value (Early vs Later): 0.79236867 (increase)



# Global



# Image for IPAP 101\_15\_1

Central Cz	
Time	+350ms
Theta	increase
Alpha	decrease

