

Monkey J

* FDR adjusted $p < 0.05$; ** $p < 0.01$

1st Peaks: Amplitude [μ V]					
PFC	PPC	SM	TC	Au	Vis
-3.8 $\pm$ 0.9	-2.8	-4.2 $\pm$ 3.1	7.3 $\pm$ 1.9	5.1 $\pm$ 6.1	-3.1
-3.8 $\pm$ 1.4	-2.5	-2.2 $\pm$ 2.7*	4.9 $\pm$ 2.7	5.5 $\pm$ 4.6	NaN
-3.3 $\pm$ 0.5	-1.2	-5.1 $\pm$ 3.0	12.6 $\pm$ 2.9**	6.8 $\pm$ 7.0	NaN
-3.6 $\pm$ 1.1	NaN	-3.7 $\pm$ 3.3	8.3 $\pm$ 2.2	4.5 $\pm$ 5.3	NaN
2nd Peaks: Amplitude [μ V]					
PFC	PPC	SM	TC	Au	Vis
0.35 $\pm$ 0.9	-2.01 $\pm$ 4.2	1.35 $\pm$ 2.1	-2.95 $\pm$ 1.4	-2.10 $\pm$ 2.5	2.98
4.64 $\pm$ 0.6**	0.41 $\pm$ 5.6	0.02 $\pm$ 4.7	-7.40 $\pm$ 1.7**	-9.53 $\pm$ 4.6**	2.62
9.72 $\pm$ 2.3**	-0.52 $\pm$ 7.4	2.46 $\pm$ 5.4**	-11.21 $\pm$ 5.8**	-8.70 $\pm$ 8.8*	6.21
6.97 $\pm$ 1.9**	-1.13 $\pm$ 5.1	3.25 $\pm$ 5.1**	-5.92 $\pm$ 0.8**	-4.84 $\pm$ 4.2*	4.59

Latency [ms]						
PFC	PPC	SM	TC	Au	Vis	All
28.1 $\pm$ 1.4	24	36.8 $\pm$ 4.1	37.8 $\pm$ 1.4	31.3 $\pm$ 8.4	39	33.7 $\pm$ 6.2
32.9 $\pm$ 1.2**	27	43.4 $\pm$ 8.9	44.0 $\pm$ 4.5**	37.0 $\pm$ 11.2	NaN	39.4 $\pm$ 9.0**
32.6 $\pm$ 2.1**	19	40.5 $\pm$ 5.9	44.9 $\pm$ 2.8**	35.2 $\pm$ 8.7	NaN	38.0 $\pm$ 7.6*
27.9 $\pm$ 2.8	NaN	38.7 $\pm$ 6.8	39.9 $\pm$ 1.6*	31.9 $\pm$ 9.2	NaN	34.5 $\pm$ 7.6
Latency [ms]						
PFC	PPC	SM	TC	Au	Vis	All
54.7 $\pm$ 5.7	47.7 $\pm$ 15.9	74.3 $\pm$ 16.9	83.8 $\pm$ 3.3	64.7 $\pm$ 17.5	68	68.2 $\pm$ 17.0
77.0 $\pm$ 1.9**	57.5 $\pm$ 27.6	87.6 $\pm$ 6.1	91.3 $\pm$ 2.1**	77.2 $\pm$ 7.1	83	81.0 $\pm$ 11.7**
72.0 $\pm$ 1.5**	53.0 $\pm$ 15.6	86.1 $\pm$ 17.2	84.4 $\pm$ 3.0	70.6 $\pm$ 15.2	76	76.2 $\pm$ 14.9
56.3 $\pm$ 0.5	49.0 $\pm$ 19.1	79.7 $\pm$ 22.6	83.5 $\pm$ 6.9	63.6 $\pm$ 15.8	73	69.1 $\pm$ 19.5

Monkey O

* FDR adjusted $p < 0.05$; ** $p < 0.01$

1st Peaks: Amplitude [μ V]					
PFC	PPC	SM	TC	Au	Vis
-4.7 $\pm$ 0.7	-5.2	-3.2 $\pm$ 4.1	9.4 $\pm$ 9.9	9.2 $\pm$ 5.3	NaN
-3.6 $\pm$ 0.3	-6.3	-3.0 $\pm$ 5.2	12.9 $\pm$ 13.2	15.9 $\pm$ 9.2	NaN
-5.4 $\pm$ 0.6	-6.6	-4.2 $\pm$ 4.9	13.1 $\pm$ 9.7	12.4 $\pm$ 6.3	NaN
-3.7 $\pm$ 0.7	-6.9	-4.2 $\pm$ 5.0	10.5 $\pm$ 12.9	11.2 $\pm$ 6.1	NaN
2nd Peaks: Amplitude [μ V]					
PFC	PPC	SM	TC	Au	Vis
5.3 $\pm$ 0.6	2.4	0.7 $\pm$ 6.2	-7.6 $\pm$ 5.7	-10.7 $\pm$ 6.6	NaN
13.6 $\pm$ 0.7**	NaN	-0.1 $\pm$ 12.7	-1.6 $\pm$ 10.3	-26.1 $\pm$ 19.2	NaN
11.8 $\pm$ 0.2**	5.3	1.6 $\pm$ 10.7	-9.2 $\pm$ 15.6	-22.4 $\pm$ 16.3	NaN
5.4 $\pm$ 1.4	4.4	2.7 $\pm$ 10.8*	-6.0 $\pm$ 9.7	-15.1 $\pm$ 8.7	NaN

Latency [ms]						
PFC	PPC	SM	TC	Au	Vis	All
22.0 $\pm$ 1.3	40	33.1 $\pm$ 10.2	34.6 $\pm$ 10.0	30.8 $\pm$ 6.1	NaN	30.6 $\pm$ 8.7
26.3 $\pm$ 1.5*	40	34.4 $\pm$ 10.7	42.0 $\pm$ 1.8	31.9 $\pm$ 6.6	NaN	34.0 $\pm$ 8.4
27.8 $\pm$ 1.3**	45	37.1 $\pm$ 10.7	40.2 $\pm$ 11.0	35.3 $\pm$ 7.9	NaN	35.4 $\pm$ 9.2
22.5 $\pm$ 2.3	36	32.3 $\pm$ 8.4	38.3 $\pm$ 1.3	30.4 $\pm$ 5.9	NaN	30.6 $\pm$ 7.5
Latency [ms]						
PFC	PPC	SM	TC	Au	Vis	All
50.2 $\pm$ 2.8	71	72.6 $\pm$ 19.7	92.6 $\pm$ 32.4	77.1 $\pm$ 23.7	NaN	72.6 $\pm$ 24.3
72.8 $\pm$ 1.5**	NaN	70.1 $\pm$ 5.2	72.8 $\pm$ 18.5	71.4 $\pm$ 7.6	NaN	71.6 $\pm$ 8.3
80.0 $\pm$ 2.3**	97	72.0 $\pm$ 4.7	86.0 $\pm$ 29.6	79.3 $\pm$ 13.2	NaN	78.9 $\pm$ 12.8
56.8 $\pm$ 13.8	70	61.5 $\pm$ 5.5	67.3 $\pm$ 24.4	71.3 $\pm$ 12.6	NaN	64.7 $\pm$ 13.6

Monkey M

* FDR adjusted $p < 0.05$; ** $p < 0.01$

1st Peaks: Amplitude [μ V]					
PFC	PPC	SM	TC	Au	Vis
NaN	-1.6 $\pm$ 1.9	2.3 $\pm$ 3.9	NaN	11.7 $\pm$ 9.1	-2.8 $\pm$ 1.1
NaN	-1.3 $\pm$ 1.4	3.5 $\pm$ 3.7	NaN	10.8 $\pm$ 5.6	-1.8 $\pm$ 0.4
NaN	-1.7 $\pm$ 1.7	1.2 $\pm$ 3.7	NaN	12.0 $\pm$ 8.5	-2.1 $\pm$ 0.4
NaN	-1.7 $\pm$ 1.7	2.7 $\pm$ 3.1	NaN	15.3 $\pm$ 6.2	-2.6 $\pm$ 0.6
2nd Peaks: Amplitude [μ V]					
PFC	PPC	SM	TC	Au	Vis
NaN	1.6 $\pm$ 2.8	-4.9 $\pm$ 8.1	NaN	-7.5 $\pm$ 9.6	3.3 $\pm$ 1.7
NaN	1.7 $\pm$ 2.8	-10.9 $\pm$ 10.5	NaN	-19.4 $\pm$ 14.8	4.0 $\pm$ 1.0
NaN	2.9 $\pm$ 3.9	-9.7 $\pm$ 11.1	NaN	-13.8 $\pm$ 15.9	5.9 $\pm$ 1.7
NaN	3.0 $\pm$ 3.8	-6.0 $\pm$ 10.0	NaN	-14.5 $\pm$ 13.5	5.0 $\pm$ 1.6

Latency [ms]						
PFC	PPC	SM	TC	Au	Vis	All
NaN	27.7 $\pm$ 5.6	26.7 $\pm$ 8.2	NaN	31.4 $\pm$ 6.2	24.0 $\pm$ 3.0	27.4 $\pm$ 6.0
NaN	36.1 $\pm$ 2.3**	33.0 $\pm$ 3.4	NaN	37.3 $\pm$ 7.4	36.2 $\pm$ 1.1**	35.7 $\pm$ 3.5**
NaN	30.7 $\pm$ 3.7	34.0 $\pm$ 8.8	NaN	33.4 $\pm$ 4.5	28.8 $\pm$ 2.8	31.5 $\pm$ 5.1*
NaN	24.4 $\pm$ 2.1	21.0 $\pm$ 1.0	NaN	27.0 $\pm$ 4.7	22.3 $\pm$ 0.5	24.0 $\pm$ 3.0
Latency [ms]						
PFC	PPC	SM	TC	Au	Vis	All
NaN	58.8 $\pm$ 5.0	57.7 $\pm$ 2.9	NaN	63.8 $\pm$ 3.8	57.3 $\pm$ 2.6	59.1 $\pm$ 4.5
NaN	79.9 $\pm$ 5.4**	79.2 $\pm$ 9.7**	NaN	82.8 $\pm$ 2.6**	83.8 $\pm$ 5.1**	81.0 $\pm$ 6.0**
NaN	65.6 $\pm$ 2.7**	64.3 $\pm$ 7.7	NaN	68.6 $\pm$ 5.9	64.5 $\pm$ 1.6**	65.6 $\pm$ 4.6**
NaN	55.6 $\pm$ 3.8	51.1 $\pm$ 2.3**	NaN	60.4 $\pm$ 6.3	54.7 $\pm$ 3.1	55.2 $\pm$ 4.7**

Supplementary Table S2. The amplitudes and latencies of first and second peaks of AERs of LF in six electrodes groups based on putative cortical areas.