**rACC and vmPFC**

Using a better mask (with lower threshold) and a FIR with 2 seconds between samples, the peristimulus figure improves. The rACC has been found to peak very early (t = 4s), while the vmPFC peaks very later (t = 6s) and has more dispersion.

|  |
| --- |
| Macintosh HD:Users:jan:Desktop:ACC:fir8_contrast=XS_time=4s.png |
| peristimulus signal in the rACC (for X\*S) |

|  |
| --- |
| Macintosh HD:Users:jan:Desktop:ACC:fir8_contrast=XS_time=4s.png |
| peristimulus signal in the vmPFC (for X) |

The contrast on the peaks of both signals leads to a partition of the mPFC.

|  |
| --- |
| Macintosh HD:Users:jan:Desktop:ACC:fir8_contrast=XS_time=4s.png |
| superposition of both signals |

**FEF and IPS during exchange stations**

Frontal Eye Fields (FEF; superior frontal) and Intra Parietal Sulcus (IPS; precuneus) are strongly activated in exchange stations (X).

Chris' explanation is that people move the eyes more in that condition/station.

**Caveat – Weird interaction**

Plotting bars with activations ends up showing that

– rACC is only activated in the R condition

– amygdalas are activated in both R and C

– fusiform is activated in both R and C

which is weird. my intuition is that this effect in the t-statistics is driven by the number of trials

length(R) = 2873

length(L) = 797

length(I) = 741

length(C) = 1240

but chris says that can't be the reason.