**RESULTS**

Sizes of Active Areas

The following table summarizes the sizes of active visual areas on the cortices of each subject. The first 3 columns show the occupied areas in 1000’s of mm2. The last 3 columns show the ratio as compared to V1.

Table 1

Subject 1 : 2.98 2.36 1.78 : 1.0 0.8 0.6

Subject 2 : 3.59 3.48 2.51 : 1.0 1.0 0.7

Subject 3 : 2.82 3.30 2.32 : 1.0 1.2 0.8

Subject 4 : 2.81 2.56 2.35 : 1.0 0.9 0.8

Subject 5 : 2.66 2.59 2.13 : 1.0 1.0 0.8

Subject 6 : 2.47 2.30 1.53 : 1.0 0.9 0.6

Subject 7 : 2.87 2.74 2.52 : 1.0 1.0 0.9

Subject 8 : 2.93 2.37 2.53 : 1.0 0.8 0.9

Subject 9 : 2.62 2.14 1.84 : 1.0 0.8 0.7

Subject 10 : 2.12 1.47 1.26 : 1.0 0.7 0.6

Subject 11 : 1.87 1.59 1.44 : 1.0 0.8 0.8

Subject 12 : 1.79 1.96 1.69 : 1.0 1.1 0.9

Subject 13 : 1.79 1.77 1.73 : 1.0 1.0 1.0

Subject 14 : 2.31 2.02 1.68 : 1.0 0.9 0.7

Subject 15 : 1.91 1.57 1.35 : 1.0 0.8 0.7

Subject 16 : 1.94 1.80 1.41 : 1.0 0.9 0.7

Subject 17 : 2.16 2.02 1.69 : 1.0 0.9 0.8

Subject 18 : 2.49 1.86 1.25 : 1.0 0.7 0.5

Subject 19 : 1.97 1.67 1.83 : 1.0 0.8 0.9

Subject 20 : 2.06 2.06 1.85 : 1.0 1.0 0.9

Mean: 2.86 2.64 2.16 : 1.0 0.9 0.75

Time course correlations

We compare the time courses of time component 1, C1, and the simulated true time course, T1. MATLAB’s internal function *corrcoef* was use for comparing the time courses. The

Simulation I. With No External Source

Simulation II. With External Source

Subject 1 : 0.96 0.79 0.36

Subject 2 : 0.86 0.93 0.75

Subject 3 : 0.91 0.95 0.57

Subject 4 : 0.98 0.84 0.63

Subject 5 : 0.96 0.86 0.60

Subject 6 : 0.98 0.94 0.72

Subject 7 : 0.96 0.95 0.60

Subject 8 : 0.97 0.76 0.49

Subject 9 : 0.97 0.89 0.71

Subject 10 : 1.00 0.93 0.72

Subject 11 : 0.98 0.82 0.49

Subject 12 : 0.99 0.96 0.76

Subject 13 : 0.75 0.46 0.47

Subject 14 : 1.00 0.90 0.65

Subject 15 : 0.99 0.95 0.69

Subject 16 : 0.99 0.97 0.75

Subject 17 : 0.95 0.86 0.75

Subject 18 : 0.98 0.94 0.61

Subject 19 : 0.99 0.88 0.68

Subject 20 : 0.81 0.48 0.35