**Supplementary material**

**Table S1**. Multiple linear regression analyses for 5D-ASC subscales (change score LSD minus placebo) and IQ predicting IED endpoints EDS errors and Latency EDS stage (change score LSD minus placebo)

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|  | **EDS errors** | **Latency EDS stage** |
|  | (F(12,12)=0.938, p<0.54), R²= 0.484 | (F(12,12)=2.648, p<.06), R²= 0.726 |
|  | Beta | SE Beta | B | p-level | Beta | SE Beta | B | p-level |
| Intercept |   |   | 10.93 | 0.61 |   |   | 73308.21 | 0.09 |
| Experience of unity | 0.10 | 0.58 | 0.02 | 0.87 | 0.40 | 0.42 | 195.56 | 0.37 |
| Spiritualexperience | 0.16 | 0.48 | 0.03 | 0.75 | 0.40 | 0.35 | 234.58 | 0.28 |
| Blissful state | 0.35 | 0.43 | 0.07 | 0.43 | 0.22 | 0.31 | 121.45 | 0.50 |
| Insightfulness | 0.28 | 0.60 | 0.06 | 0.65 | 0.01 | 0.44 | 7.30 | 0.98 |
| Disembodiment | -0.59 | 0.44 | -0.14 | 0.21 | -0.67 | 0.32 | -407.03 | 0.06 |
| Impaired control and cognition | -0.43 | 0.51 | -0.12 | 0.41 | -0.02 | 0.37 | -13.38 | 0.96 |
| Anxiety | 0.06 | 0.36 | 0.03 | 0.87 | -0.14 | 0.26 | -167.12 | 0.61 |
| Complex imagery | 0.00 | 0.33 | 0.00 | 0.99 | 0.01 | 0.24 | 4.77 | 0.97 |
| Elementary imagery | 0.25 | 0.39 | 0.05 | 0.54 | 0.32 | 0.29 | 181.03 | 0.29 |
| Audio-visual synesthesiae | 0.14 | 0.37 | 0.02 | 0.71 | 0.29 | 0.27 | 122.92 | 0.31 |
| Changed meaning of percepts | -0.32 | 0.58 | -0.07 | 0.60 | -0.64 | 0.43 | -375.08 | 0.16 |
| IQ | -0.09 | 0.26 | -0.06 | 0.75 | -0.31 | 0.19 | -583.88 | 0.13 |

Table S2. Multiple linear regression analyses for 5D-ASC subscales (change score LSD minus placebo) and IQ predicting SWM endpoints Between errors 6 boxes, Between errors 8 boxes, and Strategy 8 boxes (change score LSD minus placebo)

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| --- | --- | --- | --- |
|  | **Between errors (6 boxes)** | **Between errors (8 boxes)** | **Strategy (8 boxes)** |
|  | (F(12,12)=0.639, p<0.78), R²=0 .390 | (F(12,12)=2.002, p<0.12), R²= 0.667 | (F(12,12)=1.218, p<0.37), R²= 0.549 |
|  | Beta | Std.Err. | B | p-level | Beta | Std.Err. | B | p-level | Beta | Std.Err. | B | p-level |
| Intercept |   |   | 46.87 | 0.08 |   |   | 44.19 | 0.12 |   |   | 5.61 | 0.55 |
| Experience of unity | 0.07 | 0.63 | 0.01 | 0.92 | -0.12 | 0.47 | -0.04 | 0.80 | -0.18 | 0.54 | -0.02 | 0.75 |
| Spiritualexperience | 0.32 | 0.53 | 0.08 | 0.56 | 0.58 | 0.39 | 0.21 | 0.16 | 0.51 | 0.45 | 0.05 | 0.28 |
| Blissful state | -0.63 | 0.47 | -0.14 | 0.21 | -0.35 | 0.35 | -0.12 | 0.33 | -0.26 | 0.40 | -0.03 | 0.54 |
| Insightfulness | 0.58 | 0.65 | 0.13 | 0.39 | 0.78 | 0.48 | 0.26 | 0.13 | 1.04 | 0.56 | 0.10 | 0.09 |
| Disembodiment | 0.44 | 0.48 | 0.11 | 0.38 | 0.47 | 0.35 | 0.17 | 0.21 | 0.63 | 0.41 | 0.07 | 0.15 |
| Impaired control and cognition | 0.05 | 0.55 | 0.01 | 0.93 | 0.32 | 0.41 | 0.14 | 0.45 | -0.54 | 0.48 | -0.07 | 0.28 |
| Anxiety | -0.04 | 0.39 | -0.02 | 0.92 | -0.22 | 0.29 | -0.16 | 0.46 | 0.17 | 0.34 | 0.04 | 0.62 |
| Complex imagery | 0.32 | 0.36 | 0.07 | 0.39 | -0.01 | 0.26 | 0.00 | 0.98 | 0.03 | 0.31 | 0.00 | 0.93 |
| Elementary imagery | -0.06 | 0.43 | -0.01 | 0.89 | 0.49 | 0.32 | 0.17 | 0.15 | 0.43 | 0.37 | 0.04 | 0.27 |
| Audio-visual synesthesiae | 0.33 | 0.40 | 0.06 | 0.43 | 0.17 | 0.30 | 0.04 | 0.58 | 0.27 | 0.35 | 0.02 | 0.45 |
| Changed meaning of percepts | -1.05 | 0.64 | -0.25 | 0.12 | -1.33 | 0.47 | -0.47 | 0.02 | -1.39 | 0.55 | -0.14 | 0.03 |
| IQ | -0.56 | 0.28 | -0.43 | 0.07 | -0.41 | 0.21 | -0.47 | 0.07 | -0.22 | 0.24 | -0.07 | 0.38 |

Table S3. Multiple linear regression analysis for 5D-ASC subscales (change score LSD minus placebo) and IQ predicting CGT endpoint Deliberation time (change score LSD minus placebo)

|  |  |
| --- | --- |
|  | **Deliberation time** |
|  | (F(12,12)=2.321, p<.08) R²= 0.699 |
|  | Beta | Std.Err. | B | p-level |
| Intercept |   |   | -14.04 | 0.99 |
| Experience of unity | 0.25 | 0.44 | 5.09 | 0.59 |
| Spiritualexperience | 0.14 | 0.37 | 3.50 | 0.70 |
| Blissful state | 0.04 | 0.33 | 1.00 | 0.90 |
| Insightfulness | -0.16 | 0.46 | -3.70 | 0.73 |
| Disembodiment | 0.25 | 0.34 | 6.42 | 0.47 |
| Impaired control and cognition | 0.50 | 0.39 | 14.38 | 0.23 |
| Anxiety | -0.29 | 0.28 | -14.27 | 0.32 |
| Complex imagery | 0.09 | 0.25 | 2.14 | 0.72 |
| Elementary imagery | 0.70 | 0.30 | 16.67 | 0.04 |
| Audio-visual synesthesiae | -0.18 | 0.28 | -3.19 | 0.54 |
| Changed meaning of percepts | -0.78 | 0.45 | -18.97 | 0.11 |
| IQ | -0.09 | 0.20 | -7.30 | 0.64 |