**Tracking Task: Trigger Overview**

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| --- | --- | --- |
| Trigger | Number |  |
| Start of experiment | 11 |  |
| End of experiment | 18 |  |
| Start of startvector | 26 |  |
| End of startvector | 27 |  |
| Start of trial (left) | 13 | Compare early and late trials 🡪 learning effects? |
| Start of trial (right) | 14 |  |
| ~~End of trial~~ | ~~15~~ |  |
| Fixation cross | 12 |  |
| Start constant trajectory | 23 | Activity/ Tracking error for constant vs. random trajectory |
| End constant trajectory | 24 | !!trigger sent after gap array!! |

Only Task B:

|  |  |  |
| --- | --- | --- |
| Trigger | Number |  |
| Cursor occlusion | 20 | Activity/ Tracking error occluded vs. non-occluded part;  Activity/ Tracking error for occlusion x predictability |
| Cursor reappearance | 21 |  |

Only Task C:

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| Trigger | Number |  |
| Button press (too early) | 28 | Activity before button press (x accuracy of button press)   * Alpha-activity + source localization * Theta-activity * Motor potentials around button press |
| Button press (just right) | 29 |
| Button press (too late) | 30 |
| Fourth trial (completely visible) | 25 | Activity and performance during completely visible trials 🡪 difference to occluded trials? Explicit learning vs. implicit learning? |

Response triggers (Task A & B) (added later based on behavioral data):

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| --- | --- | --- |
| Trigger | Number |  |
| Maximum of error curve | 40 | Error-related activity, activity around adaptation,  ERPs for error triggers/adaptation, … |
| Cursor direction change | 41 | Activity related to adaptation? |
| Maximum error curve & cursor direction change | 42 | Adaptive movement |
| Maximum error curve & cursor direction keep | 43 | No adaptive movement despite error |
| Minimum error curve & cursor direction change | 44 | False adaptation |
| Minimum error curve & cursor direction keep | 45 | “good” direction keep |