

```

1  /*
2  Resting State EEG Recording
3
4  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
5  %%%%%%%%% Version History %%%%%%%%%
6  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
7  - 06-25-2019; created by Chris Gill: created the backbone of the experiment
8  - 11-09-2020; edited by Alex He: added triggers, added version history, added
9  22/23 start/end triggers, updated header parameters, enabled proper logfile saving
10 - 11-11-2020; edited by Alex He: changed pulse width from 10ms to 5ms, added
11 wait_interval, turned off response_port_output
12 - 01-19-2021; edited by Alex He: updated logfile naming
13 - 03-30-2021; edited by Andrew and Alex: added "staying awake" instruction to
14 eyes closed
15 - 10-05-2022; edited by Anthony Edgar: changed task to be compatible with c-pod.
16 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
17
18 */
19 #####
20 #####
21
22 # Header
23 scenario = "Resting_EEG";
24 active_buttons = 3;
25 button_codes = 11,12,13; #1 = spacebar; 2 = 's' (start); 3 = 'e' (end)
26 default_font = "Helvetica";
27 default_font_size = 40;
28 default_background_color = 127, 127, 127;
29 write_codes = true;
30 response_port_output = false;
31 default_output_port = 1;
32 pulse_width = 5;
33 #####
34 #####
35
36 #SDL
37 begin;
38
39 #rest box
40 box { height = 1080; width = 1920; color = 127,127,127;} rest_box;
41
42 text { caption = "+"; font_size = 96; font_color = 255,255,255; } Crosshair_text;
43
44 picture {
45     text {
46         caption = "INSTRUCTIONS:";
47         font_size = 44;
48     };
49     x = 0;y = 320;
50
51     text {
52         caption =
53         "Please rest quietly with your eyes open for 5 minutes. You may
54         blink as you normally would. Try to watch the crosshair at the
55         center of the screen.";
56         font_size = 44;
57     };
58     x = 0;y = 40;
59
60     text {
61         caption = "Press the space bar to begin.";
62         font_size = 32;
63     };
64     x = 0;y = -300;
65 } instructions_1;
66

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60 picture {
61     text {
62         caption = "INSTRUCTIONS:";
63         font_size = 44;
64     };
65     x = 0; y = 320;
66
67     text {
68         caption =
69         "Now, rest quietly with your eyes closed for 5 minutes while
70         staying awake. The experimenter will notify you when the time
71         session is complete.";
72         font_size = 44;
73     };
74     x = 0; y = 40;
75
76     text {
77         caption = "Press the space bar to begin.";
78         font_size = 32;
79     };
80     x = 0; y = -300;
81 } instructions_2;
82
83 #####
84 #####
85 #Trials
86
87 #Instructions
88 trial {
89     trial_type = first_response;
90     trial_duration = forever;
91     terminator_button = 1;
92     stimulus_event{
93         picture instructions_1;
94         code = "Instructions";
95     }instruction_event;
96 }instructions_trial;
97
98 #Eyes Open Resting Trial
99 trial {
100     trial_type = fixed;
101     trial_duration = 300000;
102     stimulus_event {
103         picture {
104             box rest_box;
105             x = 0; y = 0;
106
107             text Crosshair_text;
108             x = 0; y = 0;
109         } eyes_open_pic;
110         target_button = 2,3;
111         port_code = 2;
112         code = "Eyes Open";
113     } eyes_open_event;
114 } eyes_open_trial;
115
116 #Eyes Closed Resting Trial
117 trial {
118     trial_type = fixed;
119     trial_duration = 300000;
120     stimulus_event {
121         picture {
122             box rest_box;
123             x = 0; y = 0;

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123
124         text Crosshair_text;
125         x = 0; y = 0;
126     } eyes_closed_pic;
127     target_button = 2,3;
128     port_code = 3;
129     code = "Eyes Closed";
130 } eyes_closed_event;
131 } eyes_closed_trial;
132
133 #####
134 #Begin PCL
135 begin_pcl;
136
137 output_port port = output_port_manager.get_port( 1 );
138
139 string logpath = logfile_directory;
140 logfile.set_filename(logpath +logfile.subject() + "_Resting_logfile.log");
141
142 instructions_trial.present();
143
144 #Eyes Open
145 wait_interval(100);
146 port.send_code(22);
147 wait_interval(100);
148 eyes_open_trial.present();
149 wait_interval(100);
150 port.send_code(23);
151 wait_interval(100);
152
153 instruction_event.set_stimulus(instructions_2);
154 instructions_trial.present();
155
156 #Eyes Closed
157 wait_interval(100);
158 port.send_code(22);
159 wait_interval(100);
160 eyes_closed_trial.present();
161 wait_interval(100);
162 port.send_code(23);
163 wait_interval(100);
164

```