

black



Jerry - Lee

By

[JUNE 3]

: MacLab
: big square training .epn
[class 3]

$$\text{hit delay} = 0$$

$$\text{miss delay} = 0$$

$$\text{leverdown reward duration} = 20$$

$$\text{reward} = 250$$

$$\text{response time window} = 750$$

class 3 →

[June 12]

: very "difficult to get to bottom
of cage
- doesn't present above density
squeezes
"not cooperative with headport
despite so much water

$$\text{reward} = 200$$

class 9 - 45% attempted 1200

June 16

- difficult to get to bottom of cage
- class 8, 9, and 10
- 67% hit rate

June 23

- difficult to get to bottom of cage
- get two head posts in
- class 8, 9, and 10
- 720 trials / attempted 100 / correct 35 35%

June 24

class 9 & 10

- gets distracted by people
- has long periods of not working, but starts to work after you go in and talk to him.

hit rate : 58 %

trials : 555 / 952

next increase miss rate to

△ reward duration to 180
drunk 150 cc

June 25

- class 9 + 10
- = miss delay 300
- reward 180
- 377 / 5 + 1 attempted

Cue delay: 46

Grid size: 7

target delay: 69

/ number of targets
/ difficulty: 14

/ response time

misses: 5

June 26

Spatial Distribution try: Grid size: 180

Number of targets: 1

Cue Delay: 4

delay difficulty: 4

training strategy: 1. if getting correct
 \uparrow cue delay + delay difficulty

2. after Cue Delay: 20

delay difficulty: 10

\uparrow number of targets to 2

\hookrightarrow grid size: 250

n targets: 2

target size: 120

June 27

- Grid size: 180

cue delay: 4 249 correct of 377 = 66% \rightarrow
delay diff: 4

very easy to bring down with new technique

- training headpost with food rather than water

cue delay = 4 366 correct / 371 attempted = 71.69%
delay diff = 5

cue delay = 10 184 correct / 214 = 85%
delay diff = 5

June 30 cue delay = 10
delay diff = 6

- headpost training with food
- add 3 posts attached
- turned off experiment for 30 mins

July 1 cue delay = 15 480 / 600
delay diff = 6 correct

July 2 cue delay = 20 353 / 454 = 75%
delay diff = 7

$$\frac{\text{chance}}{\text{jitter}} = \frac{\text{RTW}}{\text{jitter}}$$

July 3 grid size = 180
n° targets = 2 375 / 529 = 70.8%
target size = 50
cue time = 20 212 / 354 = 60%
~~delay diff = 7~~

July 4 grid size = 250

$$\# \text{ targets} = 3 \quad 378/407 = 68\%$$

$$\text{Targ size} = 50 \quad 139/215 = 65\%$$

cue delay = 20

delay diff = 8

July 7 grid size = 250

$$\# \text{ targ} = 3 \quad 150/250 = 60\%$$

targ size = 40

cue delay = 20

delay d. fl = 8

July 8 grid = 250 cue = 20 $395/495 = 79.7\%$

targ = 3 delay = 8

targ size = 40

grid size = 350

$$\# \text{ targ} = 4 \quad 62/100 = 62\%$$

targ size = 30

cue = 20

delay = 8

July 9 grid = 350

targ = 4

targ size = 30

cue = 20

delay = 8

$$3964/460 = 79\%$$

$$200/269 = 74.6$$

$$110/176 = 62.1$$

✓ ✓ ✓
✓ ✓ ✓
✗ ✗ ?

July 10 target size = 30

July 11 same as above

$$1172 / 1412 = 83\%$$

$$58 / 17 = 58\%$$

July 16 same as above

$$484 / 562 = 84\%$$

$$316 / 383 = 82\%$$

July 17 target size = 5 142 / 180

grid size = 400

target size = 10 160 / ~190

No targets = 4

July 18 target size = 10

no targets = 5 300 / 400 = 75%

grid size = 400 344 / 441 = 79%

target size = 6 579 / 697 = 83%

July 21 target size 7 148 / 225 = 66%

n targets 6

grid size 450

target size 5 118 / 198 = 60%

40 - 4 $\frac{1}{2}$ m
4 100 - 3 $\frac{1}{2}$ m

(100)

tary size 4 24 / 148 50 %

July 22 tary size 4 202 / 275 73 %
ntary 7
grndsize 450

tary size 3 240 / 302 79 %

tary size 2
(cue time 30)

274 / 392 70 %

July 23 tary size 2 83 / 110 75 %
cue time 30
grndsize 450

tary size 2 56 / 80 70 %
(cue time 30)
grndsize 600

cue time 50 153 / 217 70 %
grndsize 650

Radial Spatial

nAnn 7
jitter 100
cue diff 4
Tang diff 10
cue size 3

did a few trials not many.

July 24 Spatial

ntang 4
gridsize 550
target size 2
hit Delay 200
miss Delay 600
cued time 40
reward duration .17
~~gridsize 610~~

220 / 260

80 %

gridsize 610 403 / 500 81 %

July 25 Spatial

ntang 3
gridsize 640
tang size 2
cued time 40
reward .15

700 / 900

78 %

Jan
finished

July 28 Spatial

402/569 70%

target 4

gridsize 670

hang size 2

July 29 Radial

fraction Required = 0

→ calibrated ✓

(saccade cal 20 March)

gridsize = 510

file: 81472368.EDF

jitter = 10°

target size = 2

hit delay 200

miss delay 600

cue time 40

reward dur .15

n trials = 6

551/700 79%

XX-003.01+02

tomorrow cue diff 5

target diff 9

miss delay 100

hit delay 100

July 30 as above except

278/326 85%

hit delay 100

miss delay 100

cue diff 8

target diff 9

278/303 91%

236/290 81%

July 31 Radial

456 / 551 83%

| | |
|------------|-----|
| GridSize | 510 |
| jitter | 100 |
| targetSize | 2 |
| Cue time | 40 |
| rewardDose | 1.5 |
| nAnnuli | 6 |
| Cue Diff | 6 |
| Tang Diff | 9 |

Note: ① during low leap - make fixation point disappear + switch turn Nucle.

② make a distinction between mouse buttons!
? 3rd mouse button

August 4 Same as above

$$177 / 213 = 83\%$$

$$177 / 222 = 79\%$$

August 5 same as above - started eyetracking

$$325 / 386 = 84\% \quad \text{- Need fixation window}$$

$$46 / 60 = 75\%$$

Aug 6

Same as above

$$280 / 305 = 91\%$$

$$479 / 531 = 90\%$$

Aug 7 Did 0 work only received 15ml in experiment
35 ml in total

Aug 8 - should do lots of work / little water yesterday
- with fixation window

$$212/282 = 75\%$$
$$166/188 = 84\%$$

Aug 11 $39/44 = 89\%$

cue time delay = 40

cue diff = 5 $71/73\% = 97\%$
targ diff = 8

- Not doing enough work, only 117 trials attempted
- increased ~~wait~~ reward duration yet still no interest to do trials

Aug 12 Reward - 17
cue time delay 40
cue diff 6
targ diff 8

34/37

~~500/500~~ trial 141

↑ fix window to (fix) wait 500 from 300

823

573/599 96%

Aug 15 Fix Window 450

$$585 / 609 = 96\%$$

$$721 / 76 = 96\%$$

Aug 14 Fix Window 400

$$449 / 462 = 97\%$$

Aug 15 358 / 440 = 81%

$$91 / 97 = 91\%$$

$$204 / 217 = 93\%$$

Aug 18 } No work... too much water on weekend
Aug 19 }

Aug 20 441 / 466 = 76%

Aug 21 Fix Window = 100

$$475 / 482 = 98\%$$

Aug 22 Fix Window = 100
510 / 534 = 95%

Aug 25 54 / 68 = 80%

Aug 26 fix Rad win = 400 52/52 100%
but lots of missed detection

∅ fix target time 5 45/53

cue time 7

target/cue diff 4

not working

Aug 27

∅ window

→ very 613-762-2667
Send trigger to cyclone

510

6

2

100

231/244

95%

3:15

3:30

Maryanne

Very

→ 562-5212

INR - 8

D.O.C. 613-889-8694

Wayne

target diff
target diff

(3)
(4)

cue diff 40

target diff 5

+ delay 9

358/385

cue diff 4

target diff 5

Aug 28

cue diff 4

target diff 5

fix Rad 250

(65m)

390/400

97%

Note: 1) ↑ cue + target diff
2) ↑ duration of detection

3) cue + target time should
be more variable (ie. possible start
at n. > 1)

Sept 7 delay, D, fix - Itg

| | | |
|----|----|-------|
| | | 1 |
| | 8 | 20.80 |
| B | | 50.55 |
| P4 | 10 | 130 |
| T5 | 10 | 100 |

cue diff 6

target diff
14

$$fix\% = 200$$

think about

- 1) start w/ fix only
- 2) fix + \rightarrow color distracter to ~~distraction~~
- a) vis. response
- b) reflexive saccade

cue diff 5
target diff 6
cue delay 6
target delay 14

$$fix\% = 32 \rightarrow (50.55)$$

↑
sec frames.

- 3) make ~~distance~~ to target
delay very short (200 ms
to reward ~~but~~)

unnecessary eye movements
(will also allow more trials)

$$647/771 \quad 83\%$$

still difficulty w/ fixation.

(4) corner fixation pts
can have large distracter
patterns

(5) somehow indicate to
monkey small versus
wide distracter (perhaps
color behavioral for wide dist.)

(6) D dist along r to exp (from

D

Sept 17 : MB spent past 2 weeks on Fixation training. Started Radial Spatial experiment again today.

$$\text{Fix Rad} = 7.5$$

$$\text{square average} = 1$$

$$\text{avg fix time} = .7$$

$$\text{distancer time 1} = .7$$

$$\text{avg diff time} = 2$$

$$\text{target time diff} = 1$$

monkey did about 100/500 right
got pissed off + stopped.

tomorrow: (1) ↑ square wave to 15
(2) more fix time + distance
the stairs case adjustable

Sept 18 Fix Rad 8.5

$$\text{average window} = 15$$

$$\text{culture diff time} = 2$$

$$\text{target} \quad \quad \quad 3$$

Only did about 100 trials / 400-500 + gave up.

→ Can you ↓ delay when he doesn't
initiate Fixation before trial?

Sept 22) same as before did about 280
correct trials

Sept 23 target since 3
reward 27
cue delay 5
target delay 5
 $\text{fix window} = 100$

* at first didn't work at all. Then adjust lead (more extension) and should bigspray open with 0 delay then be started working

did $321 / 571 = 56\%$

after 100 'training trials'

Nov 19: first time in since wound revision

- did spatial for 10 trials to get both working
the calibrated

then FM reward, 17 block A

Recorded: electrode 1 \rightarrow 11 noise \rightarrow juicer response
23 juicer

25, 26 \rightarrow not worked but have good units

electrode 2, 3 silent

2nd experiment same parameters but on
block C(3) : only apparent units on
electrode 12

juicy; electrode: 13, 5, 6, 17, 18,
22,
(29, 31, 32)

high noise, 1, 29, 30

possible units: 3, 4

No 20 some FM exp
using block #7 (A)

Dec 2 Monkey didn't work but
recorded a ^{lot} anyway ^{this is about 2/3 hour}
^{2 units}
look at last ^{be sorted}
experiment

goal: Channel 4, 6, 7, 8, 9(.2), 20, 21, 22, 30

Dec 8 - 1st day after head cap surgery

block A → parameters same as before
but reward = .14

Units 6, 10, 11, 12, 13, 14, 15, 16, 17,
20, 21, 22, 28, 30 (24 bwt)
if wkt threshold

didn't wait long (no order recall)
(but didn't do many trials)

250th e
↓

Dec 9 block B → few fewer cells than yesterday

reward = .17

units 6, 10, 11, 13, 21, 26

none great (21, 26 ok).

(there is likely a unit in 12, 14)

did 329 trials correct / 702 attempted.

n220/ run session: 3

Dev0 After trial 460, Detode 9 gave birth
to 2 neurons.
Same parameters as above

(w) (after 460) (zv)
4 b 6b 8b 9a* 10b 11b
13c 21b 22c

* problems w/ calibration

juicer ^{squeezes} units present (ground glass)

2, 3, 5, 7, 17.

did 575 / 904 trials

✓ ✓ 1/1000
Correct attempted ✓
Data

130 cc

tomorrow:
lower camera
fix calibration 30
try lights on

Cum sess 4

Dec 11 * rotated head up + got
excellent calibration.

++ work 673 / 995 / 1000

time

cue diff - 6

fix window = .4 x 2

tay diff - 7

(hand coded)

tay diff - 3

(first day hand coded)

Vals

electrodes: 4b, 6b, 8b → evolved
from b → 2 units

10c, 11b, 12b, 13b, 14a, 16

18b, 21b, 22b, 23c, 28b

dial 130 cc

fix window = .5 x 2

Dec 15 - lights on during + after calibration

7

time

9/15/1996

76.5% → got even better

calibration

Cum
sess 5

cue Vdiff 7
tay diff 8

electrodes 6b, 7b, 8a, 9a^{x2}, 10a^{x2},
14c, 21b, 22d, 30b
16d * thru 4 a unit in 17 but not much
+ 2, 15

"^{Session}_{Day}" = 5 (I forgot to update it
from yesterday) (white)

Dec 16 - lights off but background (Flux Index = 256)

oh calibration

ave diff ^{to}) target size = 4
tag 8 tag diff = 1
ave diff = 3

6b, 7b, 8b, 9c, 10b, 11b, 12a,
13b, 14b, 15b, 16b, 17b, 18b, 19b,
20a, 21a, 22a, 23a, 24a,
25b, 26b, 27c, 28b, 29b

30a ($\times 2$) 31b (only made

pink after 1480/1650
trials so need to
do offline

did

$$593/812 = 73\% \\ /868$$

Dec 17 Current Session = 6

Same stimulus parameters as yesterday

4d, 6c, 7b, 8b

9c, 10a, 11b, 12a, 13c, 14b, 15c, 16d

17c, 18a ($\times 3$ although)
 $\frac{1}{2}$ or 2 may be
the same / 19b, 20b ($\times 2$)

21b, 22b, 23b, 24c

25b, 26c, 27d, 28a, 29c, 30a ($\times 2$), 31b

d,d 832/1104 1313 75-%

Dec 18 (I am in a hurry) - calibration fair
Current session = 7 (lower hemisphere off)

Same units
as yesterday except 18 ($\times 2$)

4d 6b 7a 8b

9c 10a^t 11b ($\times 2$) 12a 13b 14c 15c 16d

17c, 18b ($\times 2$) 19b, 20b ($\times 2$), 21a, 22a, 23a, 24b

25a, 26b, 27d, 28b, 29b, 30b ($\times 2$), 31c

604/823 74.1. (1 stepped
with)

? 7

Dec 23 Session 8th

11 neurons from last 4 days

7a-c, (7b-a), 8b, 10a+, 11b, 12c

18c, 20c, 21b, 22b 25b

28b, 30c

Dec 24 did 5th Session 8

(w/ bay) size ~30

radii ~75

(d) ~120 (with)
20.1

(including
fix drops.)

wait on target, 1

distance 260

4c, 5c, 7c, 8b, 10(a-c), ¹⁰b-a+
11b, 12b, 13c, 15c, 20b, 21b, 22c.
23b, 28b,

Dec 25 Session 9

(w/ bay) size 30

(+) radii ~75

wait on target, 1.

distance 260

1) 11b + 3/16a 26%.

2) - - -

3)

Only including correct
53% (~600 / 1100)

3 is the one to use - corrected
TOC

In pression, several neurons became
active through during experimental
session - need to do spike sorting
to verify (by dec 18)

Dec 4 → 17, 28b
even 14
Dec 25 (unit)

also had impression dec 15b
None more active during exp

4, 6, 8, 10 (x2), 11, 12, 34
14, 15, 17, 18 x2, 20, 21, 22
25 28

Jan 5 Session 10

SRI: reward = 2

cue / target size = 30

pen size = 5

fix radius = 75

wait in target = 0.1

distance = 260

Units 7c, 10b, 11a, 12b, 13b, 15c, 16b

~~12b~~ 21c, 24c.

320 / 515 62%
out of fixations

1st: didn't save (my error)

2nd: quit after 3 trials

3rd: did 420 / 652 64% correct

4th: attempted FM, but monkey did not work.

1037/1489

Jan 6 ses 11

overall 69% correct

6d, 7b, 8d, 10b, 11a, 15d, 16d

17b, 19a, 20b, 21b, 22b 28b

Also: 26 + ?31 have units that emerged
~~27~~ + 4+2 late.
- were not detected earlier

parameters same as yesterday
tomorrow ↑ miss delay and start resampling

7th Jan 09 / File:

Overall: $960/1473 = 65\%$
 $960/1187fix = 81\%$

Session 12:

3d, 4^a, 6b, 9c, 10b, 11a, 19a, 20b
21b, 22b, 23c, 31a.
28~~b~~

trial 475 & added unit on 175

SOO: -n- 18a

Eyefile not copied to iMac

EDF-File name: 33 77 19 40.edf

Done
by hand

NO PTB/MAT-file, because Matlab unexpectedly quit. Hence, no data was stored on iMac.
However, cerebris-data is stored, behavior may be recovered if needed.

Jan 8 session 13

80% 10 feet
90% / 1290
90% / 1121

Same parameters as Jan 5 but
increased wins/hit delay to 2.5

4b (near end a second. unit which was "a" became
apparent)

6b 8b 9a 10c

13b 14b 15b 17b 18 (x2)b 19b

20b 21b 22b 23b

25d 26c 28c 30a

↑
Second to be seen
detected

Jan 12:

80% 1400/2000

Units evolved from 14 + 6 (2nd unit)

+ 30 + 8 + 20
+ 11

4b, 6b, 8a (but came very late)

9b (x2), 10b, 12c, 14d

17b, 19a, 20b, 21a, 26c, 29c

30b (but very late)

1st day with resampling
(ie. if Monkey incorrect, does not affect next
target.)

Jan 13

4b 5c 6b (x 2) 8 c
10 c 11c 12 c 13 b 14 b
17 b 19 a 20 b 21 a 22 a (x 2) 23 d
26 d 28 c 29 d 30 c

)
Jan 14

95-1- 1000 trace,

7b 11c 12c 14c 15b 16b
17d 18(b x 2) 24b 28b 31b

Jan 15 → pushed lot great recording
* 1st day w/ reversal

4 c 5d 6b
9b 10b 11 c 12b 13b 14 a
19b 20b 21a 23c

26 d 30 a 32 a

- 85-1- corr in forward
~ 0-1- corred in reverse
gave up after a while in reverse.

Jan 19 4-a came late 5d 6 c 8 d
28-a >2 came late after reversal
then went away after forward
never came back.

10c 12b 22c
20b 21a ✓ 30a Q
↓
26d

Jan 20 crap

did FM mainly for training
did SRI to train a period following cue
animal monitor fix ~ p > 0.17 (sec)

Units 6a
23a
23b
29d 30d 19d
12c 13d 14d 10d

Jan 21 * ADDED 3rd Fixation period
(in K for pt but no cue)
- currently staircase method (now,
, 18 - .5

4a 6a 7c 8a
9b 10b 11d 12a 14b ? z neurons
20b (21a) 22b
26b (late) 28a (>2) 29d 30b 31c

Jan 22 - Interleave FM + SRI
I forgot to take notes but
May very good (a) neurons!

Jan 26 Interleave(100) FM + SRI

4a (?>2), 5d, 6d, 8b, 9a (?), 10c
11d, 18b, 19b, 21a, 22b, 23b, 30a (?>2)
31a

Jan 27 some b-t forgot to ~~read~~ electrodes
in b down

Jan 28 did not work

Jan 29 did ~300 - 400 trials

ofo FM + SRI

using T target distance AT 620

SRI: 310

4c 7c 8d

9a (x2) 10b 11b 14c, 17b, 18a 19a

21a 22a 23b 27b 28a (x2)

29a (x2) 30b 31b

Feb 3 did 3 experiments: 1) garby

4c, 9b 10b 12a 2) FM, + SRI (~200 trials)

3) SRI (~100 trials)

18a, 21a, 22c, 26c (emerged later) 27c
20a

Feb 9: didn't bring monkey down

Feb 10: Monkey didn't work

Feb 11: Monkey didn't work

Feb 12: initial didn't work then

started with radial task w/o fixation
did some SRI (but only looking in one
direction,

Training

April 1: SR3 - training level 5

① repeat after incorrect trial

② ramping reward

block size = 100

hit reward = .17

performance ~ 37% total

~ 52% successful fixations

tomorrow ① make hits 5x longer (500)

(2) make cue persist longer with short

part cue interval

(3) 1/a probation make it 3 trials

require 2/3 correct w/o using

training level 4.

(4) make feedback 1 sec after correct +
incorrect trials. (↑ hit delay
+ miss delay.)

(5) try black background.

April 2: SR3 - training level 5

① ramp

② probation (3 trials)

hit reward .14 block size 40

performance ~ 45% total

~ 70% successful fixations

did ~ 250 correct trials

April 3

$$1111949/48 = 45\%$$

+ reward ramping (init + 13)
+ probation

→ monkey received 200 cc water am

[SE3]

April 6

+ reward ramping Reward (basic) : 12
+ probation

1st: with additional we 155/230/329 : 67%

2nd: w/o additional we 507/752/1196 : 67%

tomorrow! try to do different
- greeting.

April 7: ① + reward ramping Reward (basic) : 12
+ probation (w) n=2 (previously 3))
76% 54%

$$249/325/458$$

② + reward ramping batch size = 300
of probation

③ reward ramping (i.e. do not repeat after error)
67% 42%

$$392/587/918$$

drank 200 cc

SR3

April 8: + reward ramping block size 300
protection base reward -12
④ re-sampling
52-18 43-10 grey level: 129
① 231/363/441
52-10 43-10
② 370/700/855

April 10: SR3 - w/ color annulus cues

block size = 2000
→ hole size w/ resampling :
changed to repeat - after 0 error
base reward: -12
grey level: 129 (fixation time - 35
cue time - 8
51-1 43-10 post cue time - 25-5
662/1296/1545

drank 280 cc

April 13 SR3 color
bs 2000

420/680/954. (-100 give away)

April 11/4

awards size 20

.35

left 3, 20 100

.25 .5

fix radius 100

1

tang radius 125

.25 .5

66%. 47%. basic reward .12

701 / 1058 / 1510 reward [1.65 1.5]

but later trials had (+) performance

eff 23) 1250 70%

1300 90%

1350 85%

1400 93%

1450 ~ 82%

1500 84%

drank 160 cc

CJ (n=50) 40 - 60% (50%)

73 - 89% (82%)

1

2

3

SP 3

April 15) annulus size 20 .35
 test 100 (2° stimulus) .25 ,5
 fix Rad 100 1
 f Rad 125 ,25 ,5

progression)

| | | | |
|-----|----------------|-----------------------|-----------------|
| 1) | 50) 57 -1. | 23 1200) 67 | $b \in i = 100$ |
| 2) | 100) 55 -1. | 24 1350) 88 | |
| : | | 25 1400) 77 | |
| 7 | 350) 68 | 26 1320) 100 | |
| 8 | 400) 78 | 27 1350) 94 [545] | |
| 9 | 450) 68 | 28 1000) 86 -1. [560] | |
| 10 | 500) 67 | 29 1200) 86 -1. [610] | |
| 11 | 550) 67 | 30 1750) 95 -1. [630] | |
| 12 | 600) 67 | 31 1400) 80 -1. [668] | |
| 13) | 650) 81 | 34 1950) 77 -1. | |
| 14 | 700) 65 | 35 2000) 79 -1. | |
| 15 | 750) 85 | | |
| 16 | 800) 86 [246] | | |
| 17 | 850) 78 | | |
| 18 | 900) 106 [294] | | |
| 19 | 950) 95 | | |
| 20 | 1000) 78 | | diams ~ 1/40 cc |
| 21 | 1050) 91 | | |
| 22 | 1150) 79 | | |

77% . 36%

total 724 / 942 / 2000

Monday same but ① make

.45 → backgnd

② record + save

, 25 ,5 80
, 25 ,6

April 20

SR3

gray level 90

AM Size 20

0.35

6x1 100

0.25 0.5

6x10 100

0.8

+ Read 125

0.45 0.7

1 block of 50 given at level 3 for "free"
to help monkeys adapt to A in training.

block 4: 47.5%

26: 73.5%

5: 53%

27: 73%

6: 42%

28: 80.5%

7: 50%

30: 76%

8: 58%

31: 67% (740)

9: 52.5%

11: 54%

total: (corrected for giving)

~~706/15/29~~

13: 61%

16: 69%

17: 62.5%

706/11/54/15/29

19: 71% (425/955)

61% 46%

20: 64% (450)

21: 58% (475)

\$

22: 67

23: 74%

24: 61%

25: 82%

tomorrow do exact same !!

drank 170 cc

April 21 SR3 - recorded gray level 70

Settings → identical to yesterday
→ saved file (run session 12)

block 1: 38%

block 2: 61%

block 3: 20% (41/155)

block 4: 61% (62/120)

block 5: 25% (71/250)

block 6: 51% (88/300)

block 8: 64%. 125/400

9: 55%

29) 84%

28C

block 30: 72%

(29) 69%

32) 48%

33) 69.5%

34) 68%

35) 58%

36) 73%

37) 74%

14: 73% (211/650)

15: 65%

16: ~~62%~~ 62%

Total:

710 / 1222 / 1870

58%

38%

24) 65%

25) ~~62.5%~~ 80%

26) 57%

27) 67%

(drift 200

cc

5) consider making block
for full iteration
only!

6) hit limit when n=400

→ seems to fix
after convex
trial.

9a → 2 neurons
(green one off
red one off)

10 60% C

- next line
1) make cue time 1 sec.
2) make stimulus bigger
3) make 2nd run reward
4) make ~~not~~ fix red bigger

→ down to 100 ms
getting rid of part Q
delay

5) consider making block
for full iteration
only!

April 22 583 → arm size 40 / 180

0.35

15.75

block 1: 62%

2: 30% (21/99)

1, 45, 7

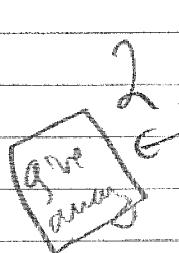
4: 72% (55/104)

5: 78% (80/132)

7: 34%

150 / 292 / 496

51.1) 30 : 1



2. 1. 32 (8/125)

1

2. (100%)

[32 32]

,7

3. 38.1.

115,4

4. 73.1.

1

5. 51.1. (96)

,45 ,7

6. 73.1.

7. 48.1.

16 65.1.

25 75

8. 68.1.

17 63.1.

26 81

9. 70.1.

18 59

27 61

10. 55.1.

19 66

28 42

11. 36.1.

20 56

29 59

12. 54.1.

21 77

30 50

13. 60.1.

22 70

31 57

14. 68.1.

23 75 (472)

32 64

15. 57.1.

24 72

33 73

SR3 → 992/1140 / 156 needed
drain 260cc to program

April 23 amulus 20
 blot size 100 .7
 ,15 .4

- User input to
- A condition for preset conditions

basic Reward .11
 $[1.75 \ 1.75]$.3 .3

- A block to report "full fixation marks"

1 56.%
 2 61.%
 3 58.%
 4 68.%

Block 5: 76.%

6: 88.% $[150/228/300]$

7 92.%
 8 84.%

9: 90.% $[260/350/450]$

parallel 5 → 10: 78.%

11: 86.% 326/425/553

17: 91.% $[535/650/865]$

18: 97.% $[560]$

19: 92.%

20: 100.% 644/765/1217 (2) make amulus

21: 94.% slightly smaller

28: 89.% (say 18)

(860)

86% & check particles - vision

dLPCF (46, 4)

next time

(1) A configuration one midway.

(2) make amulus

slightly smaller

(say 18)

April 27

SR3 (-2)

BCI = 50

recording - block A
Cupr Section 18

ILV block = 600

text size 100

target dist 310

0.7

fixpt dist 90

0.25 0.25

target fixpt dist 125

0.3 0.3

TLC

UNITS 200

1 35%

100 32d

2 23%

126 41b-min

3 35%

21c

4 36%

23d

5 42%

28e

6 43%

36% 30%
288/333
→ 103/233
quit here

7

new same parameters but ILV block 700

1. 56%

2. 52%

3. 48%

4. 61%

5. 56%

6. 57%

| | | |
|-----|-------|-----------------|
| 7 | 10% | 39.88% |
| 8 | 66% | 39.94% |
| 9. | 72.5% | |
| 10. | 80% | 90.6% 58.45% |
| 11. | 80% | |
| 12. | 75% | 1179/1462 /2000 |
| 13. | 76% | |
| 14. | 78% | 300ml |
| 15. | 84% | |
| 16 | 50% | |
| 17 | 90% | |
| 18 | 88% | |
| 19 | 86% | |
| 20. | 93% | |
| 21. | 94% | |
| 22. | 94% | |
| 23. | 86% | |
| 24. | 100% | |
| 25. | 92% | |
| 26. | 94% | |
| 27. | 94% | |
| 28. | 96% | |
| 29 | 80% | |
| 30 | 85% | |
| 31. | 97% | |
| 32. | 100% | |
| 33 | 91% | |
| 34 | 93% | |
| 35 | 91% | |
| 36. | 91% | |
| 37 | 91% | |

4/29 - SR3 - recorded Session 19
* data not saved FENDR

FP 5
(c) Height: 30

Target " 30
" Distance: 30

FP Radius: 90

Target Fixation Radius: 12.5

Pen width: 5

Text size: 100

Fixation Reg'd: 1

" to start: 7

" to cue line: 25-.25

cue time: 1

post cue fixation: .3-.3

time to hit target: .5

" " stay in target: .1

TL: 0 reward: .11

Block 1: 51%

" units:

4(1)A 4(2)-rare, A 5:B 8:A 9:B
10:B 11:B 12:B 13:C 17:C 18:B

Block 4: 83%

- 19:A 20:C 21:~~A~~ 22(A) 22(B)

" 5: 33%

23:A 27:B 28:A 29:D 30:C 32:C

6: 81%

32 → A (trial 48), perhaps 2 units

7:

more distinct (larger) unit from

32 decreased in freq. over trials

8: 86%

24:

9: 85%

21.

32. A

10: 84%

22. 89%

33. 91%

11: 85%

23. 95%

34. 97%

12: 78%

24. 92%

35.

13: 79%

25. 92%

36.

14: 85%

26. 92%

37. 98%

15: 82.5%

27. 92%

38. 90%

16: 89%

28. 97%

39. 90%

17: 84%

29. 94%

40. 85%

18: 82.5%

30. 97%

41. 90%

19: 89%

31. 92%

42. 94%

April 29

SR3

rec session - 19

note: first day w/ Δ bottom
(hut key)

annulus width: 16

distance: 310

1

FP rad: 90

2,7

TF rad: 125

0,25 0,25

1

text size: 100

0,3 0,3

0,5

0,1

TL ϕ

1) 65%

(17) 93% (517/740/853)

2) 92%

(18) 67% (547)

3) 89%

19

4) 95%

(20) 79%

* 5) did only a couple then switch

(21) 91%

↳ 65%

(22) 76%

6) 36%

(23) 87%

7)

(24) 90%

8) 56%

9) 59%

10) 58% (77/501)

11) 78%

12) 82%

13) 62%

15) 81% (445/656/758)

16) 76%

4 d

5 d

8 b

9 a

10 b

11 d

12 b

13 d

15 d

17 d

18 d

19 b

20 c

21 b

22 b

23 b

27 d

28 k

29 d

32 d

April 30

version

rec^20

reward: 11

SR 3-2

size

interleave block^2000

trials: 2000

| | | | |
|---------------------|-----|---------------------|-----|
| FP size | 5 | Fix record | 1 |
| cue height | 30 | " to start | .7 |
| target " | 30 | " to cue | .25 |
| " distance | 310 | cue time | 1 |
| IR radius | 90 | post-cue fixation | .3 |
| target fix duration | .25 | time to hit target | .5 |
| Pen width | 5 | time to stay target | .1 |
| Text size | 100 | | 0 |
| | 0 | | 0 |



i) 37%

17) 67%, but switched part way through

looks up

18) 50%

more steps

switched

only looks

33) 55%

down on code

cue not indicating

down

19) 40%

20) 40%

21) 53%

22) 52%

23) 75%

24) 78%

25) 90%

26) 93%

27) 67%

28) 90%

29) 100%

30) 81%

31) 83%

32) 89%

3) 26%

5) 54%

6) 56%

7) 67%

9) 75%

10) 74%

11) 86%

12) 73%

13) 86%

14) 94%

15) 84%

16) 100%

~~- switch code -~~

33) 20%

35) 41%

36) 50%

37) 58%

38) 50%

39) 63%

40) 74%

41) 67%

42) 86%

trial ended

Start
Veg

: learning 2nd time

4C →

5D →

6A →

9 A~~B~~A →

10 B~~A~~B →

11 D →

12 A →

17 D →

18 D →

19 B →

20 D → C

21 B~~A~~A →

22 A →

23 B~~A~~A →

26 B →

28 B →

30 D →

15 D

17C

27C

200 ml

954 / 1464 / 2109

65% 415%

May 1

session 21

reward: 11

SP 3-2

interleave block size, 2000

trials: 2000

| | | | |
|-------------------|-----|--------------------|-----|
| FP size | 5 | fix req'd | 1 |
| cue height | 30 | " to start | .7 |
| target " | 30 | " to cue | .25 |
| " distance | 310 | cue time | .1 |
| FP radius | 90 | post " fixation | .3 |
| target fix radius | 125 | time to hit target | .5 |
| pen width | 5 | " " stay " | .1 |
| text size | 100 | | |

initial direction
is also

1) 74%

2) 83%

3) 84%

4) 94%

5) 100%

6) 16%

7) 44%

8) 21%

9) 44%

10) 57%

11) 64%

12) 52%

13) 65%

14) 73%

15) 70%

16) 91%

17) 83%

switch → 18) 92%

19) 62.5%

20) 85%

21) 72%

22) 42%

23) 75%

24) 55%

25) 83%

26) 10%

27) 61%

28) 70%

29) 78%

30) 77%

31) 76%

forgot to record final values (6)
estimated to be
450 / 682 / 1550
68% 44%

4 BA

5 D

8 ~~A~~ [→] A 2nd trial

9 A [→]

10 B

11 D

12 C

13 D

20 ~~D~~

21 A

22 B

23 ~~B~~ B

26 ~~B~~ B

28 B

36 B

32 A - 2 units ~~selected~~ during 6th block 32(1)A 32(2)B

May 4 - SORTED aj's 05/05 notes

All settings same as previous - session 22

↑
this is 21

| | | |
|------------------|----------------|-----|
| 1. 46% | 28.83% | 21+ |
| 2. 52% | 29.72% | |
| 3. 51% | 30.100% | |
| 4. 50% | 31.100% | |
| 5. 60% | switch 22, 86% | |
| 6. 72% | 33.67% | |
| 7. 83% | 34.69% | |
| 8. 86% | 35.64% | |
| 9. 91% | 36.67% | |
| switch → 10. 58% | 37.83% | |
| 11. 69% | 38.75% | |
| 12. 66% | 39.100% | |
| 13. 62% | 40.86% | |
| 14. 83% | | |
| 15. 87% | | |
| 16. 72% | | |
| 17. 85% | | |
| 18. 70% | | |
| 19. 74% | | |
| 20. 65% | | |
| 21. 91% | | |
| 22. 85% | | |
| 23. 80% | | |
| switch → 24. 78% | | |
| 25. 56% | | |
| 26. 41% | | |
| 27. 86% | | |

N



- 4.C
- S.D
- ✓ 8.B RB
- ✓ 9.D
- ✓ 10. ~~B~~ B
- ✓ 11.C
- ✓ 12.RB
- 15.C
- 17.D
- ✓ 19.A
- ✓ 20.D
- ✓ 21.A
- 23.A
- ✓ 27.B ~~decreased threshold during trial 29~~
- 28.C
- 30.D

8
9
~10
11
12
27
19
21
27

May 5 Session 23

(cont)

reward .11

int. block size 2000

trials 2000

FP size 5

Fix req'd

FP rad 90

" to start , 7

target " 125

" to cue , 3

per 5

cue 1

text 100

post " fix , 3

time to hit target , 5

" " stay " , 1

1. 78%

22. 89%

2. 78%

23. 95%

3. 87%

24. 91%

4. 97%

switch → 25. 24%

why so drastically
different from
others

5. 82%

26. 25%

switch →

6. 74%

27. 30%

7. 77%

28. 73%

43. 82%

8. 90%

29. 91%

44.

9. 92%

30. 84%

switch →

10. 92%

31. 96%

intermittent dragsiness
for during trials 41-44

11. 78%

switch → 32. 56%

12. 89%

33. 87%

13. 96%

34. 57%

switch →

14. 96%

35. 93%

15. 41%

36. 86%

16. 52%

switch → 37. 83%

17. 77%

38. 74%

18. 86%

39. 98%

19. 86%

40. 79%

switch →

20. 98%

41. 75% ← slept briefly around trial 16

21. 76%

42. 80%

21, 23, 28, 29, 30 all ↑ VERY noticeably
to A-level, larger
waveforms during
sleep/nap

4 C discarded ✓
5 D " discarded
8 D " "
10 B " "
11 C discarded, discarded
12 D " "
15 C " "
17 D " "
18 B " "
19 B " discarded
20 C "
21 A " ✓
23 F " ✓
26 C discarded
28 A —
29 D discarded
30 D "
32 C "
27 B, but rare

9 - added 2nd unit during (14th trial)
9(1)C 9(2)C

↑
perhaps finer

78.7% 64.9%

14/09/17 at 1217

320 mL

change BG

May 6

Exp. 3-2

Sav. y

Jerry Lee

Session 24

BG value: 30

ajs 05/06
↓ SORTED

8 D

9

9 A

10

10 A

12

12 B → A

15

18 C

19

19 A

21

21 A

22 C

23 4 C

23 - a sketch

28 B ~~→ A~~

28 major switch

30 C

30

27 B

15 changed during ~~#18~~ block 20

text
ad

May 7

task: SR 3_2

BG: 25

Save: Y
Monkey: S
Session 25

FP size: 50
" rad: 90
target: " : 125
pen: 5
text: 90

Fix to start .7
fix to cue .25
cue 1
post cue fix .3
time to hit target .5
" " stay " 1

perhaps switch didn't
work

| | | |
|------------------|------------------|----------------|
| 1. 56% | 20. 91% | 36. 91% |
| 2. 45% | 21. 88% | 39. 93% |
| 3. 73% | switch → 22. 92% | 40. 83% |
| 4. 76% | 23. 57% | switch 41. 96% |
| 5. 86% | 24. 44% | 42. 87% |
| 6. 88% | 25. 51% | |
| switch → 7. 90% | 26. 71% | |
| 8. 61% | 27. 70% | |
| 9. 50% | 28. 62% | |
| 10. 83% | 29. 65% | |
| switch → 11. 96% | 30. 91% | |
| 12. 79% | 31. 85% | |
| 13. 79% | switch → 32. 91% | |
| 14. 73% | 33. 50% | |
| 15. 86% | 34. 43% | |
| 16. 93% | 35. 63% | |
| 17. 88% | 36. 93% | |
| switch → 18. 43% | 37. 94% | |
| 19. 62% | | |

4. B ✓
8. C discarded
9. B ✓
10. B ✓
11. C discarded
12. C "
13. D "
15. C "
17. D "
18. D "
19. A ✓
20. B Marginal
21. A ✓
23. A ✓
28. A ✓
30. C ✓

76. S1.6
10/25/11/21/2010Z 210 WL

May 8

Monkey: Jerry Lee Book: SP3.2

Save yes

Session: 26

FP size 5

2" radius 90

target fix. radius 125

pen width 5

text size 90

fix to start .7

" to cue .25

cue time 1

post cue fix time .3

time to hit .5

time to stay .1

Th 0 Reward: .11

1. 68%

20. 25%

39. 22%

2. 100%

4. 28%

40. 50%

3. 97%

22. 28%

4. 97%

23. 31%

5. 50%

24. 44%

6. 31%

25. 37%

7. 16%

26. 31%

8. 19%

27. 73%

9. 40%

28. 93%

10. 46%

29. 70%

200 mL

11. 27%

30. 90%

only baking

12. 58%

31. 91%

4F, pressed

13. 33%

32. 68%

8

14. 42%

33. 91%

pressed

15. 81%

34. 75%

8

16. 81%

35. 95%

switch

17. 95%

36. 45%

← only baking 1 direction, pressed 8

18. 32%

37. 35%

19. 44%

38. 30%

6P D discarded

6P C "

7P A ✓

7P B ✓

12 C discarded

17 D → removed during 4th block

18 D ✓

19 D discarded

20A, 20 D "

21 A ✓

23 C discarded

28 D "

30 C "

May 11
Monkey: 5
Save: ✓
Session: 27.

Task: 3.2
TL: 0
reward: 11

FP size: 5
" radius: 90
target fix radius: 125
pen width: 5
text size: 90

fix to start .7
" to cue .25
cue time 1
post cue fix time .3
time to hit .5
" to stay .1

| | | |
|-------------------|---------|---------|
| 1. 82% | 21. 72% | 41. 82% |
| 2. 91% | 22. 91% | 42. 59% |
| 3. 97% | 23. 77% | 43. 56% |
| switch → 4. 82% | 24. 71% | 44. 67% |
| 5. 67% | 25. 91% | 45. 72% |
| 6. 73% | 26. 31% | 46. 65% |
| 7. 72% switch | 27. 84% | 47. 76% |
| 8. 75% | 28. 28% | |
| 9. 92% | 29. 33% | |
| 10. 94% | 30. 28% | |
| 11. 45% | 31. 53% | |
| 12. 62% | 32. 44% | |
| 13. 54% | 33. 56% | |
| 14. 51% | 34. 58% | |
| 15. 71% | 35. 55% | |
| 16. 100% | 36. 61% | |
| 17. 82% | 37. 56% | |
| switch → 18. 100% | 38. 60% | |
| 19. 46% | 39. 62% | |
| 20. 61% | 40. 52% | |

~~A~~ Electrode Activity

4. A ✓

5. C discarded

9 B "

10 B ✓

11 D discarded

12 A ✓

15 D discarded

18 D "

19 D "

20 C "

21 A ✓

23 D discarded

28 D "

30 D "

32 ~~B~~ C → A by block 17 ✓

200
~~100~~ mL

66 45

1063 / 1560 / 2358

May 12

Monkey: J

Save: y

Session: 28.

Task: 3-2

Th: 0

Reward: 11

FP size: 5

" Radius: 90

target fix rad: 125

pen width: 3

text size: 90

fix to start: 7

" to cue: .25

cue time: 1

post cue fix time: 3

time to hit: 5

" to stay: 1

7

1.46%

switch trial: 21.58%

61.89%

2.43%

22.71%

78% 58%

3.66%

23.78%

4.79%

24.77%

5.63%

25.67%

6.95%

26.82%

7.98%

27.79%

300 ml

switch trial: 8.76%

28.83%

trial 8: 9.79%

29.78%

10.93%

30.80%

11.93%

31.83%

switch trial: 12.91%

32.82%

13.71%

33.69%

14.97%

34.52%

15.97%

35.63%

switch trial: 16.95%

36.80%

17.62%

37.53%

18.94%

38.71%

19.82%

39.92%

20.92%

40.81%

61.89%

78% 58%

1200/1537/2050

4. A ✓

8. A ✓

9. B discarded

10. B -

12. C ✓

18. D discarded

19. D discarded

20. B ✓

21. A ✓

23. D discarded

28. B ✓

29. D discarded

30. D " "

32. B ✓

27. @ block 12, trial 7 C ✓

26. " " " " " A ✓

May 13

Monkey: J

Save: 4

Session: 29

Task: 3.2

TL: 0

reward: .11

FP size: 5

" rod: 90

target fix.rod: 125

per width: 5

text size: 90

fix to start: .7

" to cue: .25

cue time: .1

post cue fix time: .3

time to hit: .5

" to stay: .1

| | | |
|--------------|-----------------|----------------------------------|
| 1. | 81% switch → | 21.69% |
| 2. | 65% | 22.56% |
| 3. | 79% | 23.70% |
| 4. | 93% | 24.90% |
| 5. | 78% | 25.91% |
| 6. | 89% | 26.44% used 8 for trials ~31-47 |
| 7. | 93% | 27.84% used 8 from trials ~32-50 |
| 8. | 100% | 28.83% |
| 9. | 96% | switch → 29.93% 8 for 2nd half |
| 10. | 66% 100% | 30.64% |
| 11. | 97% | 31.62% |
| switch → 12. | 72% | 32.81% |
| 13. | 72% | 33.83% |
| 14. | 98% | 34.97% |
| 15. | 82% | 35.74% |
| 16. | 60% | 36.71% |
| 17. | 68% | 37.86% |
| 18. | 100% | 38.87% |
| 19. | 87% | 39.88% |
| 20. | 85% | |

4. B* discarded

8 A ✓

9 D discarded

10 A ✓

11 D discarded

12 C "

15 B ✓

17 D removed during ^{blank} I discarded

19 D discarded

21 A ✓

22 A ✓

23 D discarded

26 C "

~~27 A~~

~~28 A~~

27 B ✓

28 A ✓

29 AB discarded

30 C "

82 57

111/1355/1950

280 ml

May 14

Monkey: 25

Save:

Session: 30

task

TL: 0

Reward: .1

Print block size: 20003

FP size: 5

" rad: 90

Targ: fix rad: 15

Pen width: 5

Text size: 90

fix to start: .7

" to we: .25

we time: 1

post we fix time: 3

time to hit: .5

" " stay: .1

switch

| | | | |
|-----|-----|---------|--------------------|
| 1. | 68% | 21. 36% | 41. 88% |
| 2. | 75% | 22. 63% | 42. 85% |
| 3. | 57% | 23. 91% | |
| 4. | 71% | 24. 94% | |
| 5. | 77% | 25. 89% | |
| 6. | 81% | 26. 58% | |
| 7. | 87% | 27. 48% | |
| 8. | 82% | 28. 56% | |
| 9. | 31% | 29. 61% | 1095 / 1564 / 2100 |
| 10. | 45% | 30. 75% | |
| 11. | 41% | 31. 82% | |
| 12. | 61% | 32. 70% | |
| 13. | 83% | 33. 93% | |
| 14. | 64% | 34. 94% | |
| 15. | 70% | 35. 83% | |
| 16. | 79% | 36. 38% | |
| 17. | 79% | 37. 33% | |
| 18. | 83% | 38. 39% | |
| 19. | 88% | 39. 73% | 78% |
| 20. | 89% | 40. 92% | |

May 15

Monkey 'J'

Savory

Session: 31

task: 3-2

th. 0

reward: 1

FP size: 5

" rad: 90

tang ~~BS~~ rad: 125

pen width: 5

text size: 90

fix to start: 7

" to cue: 25

cue time: 1

post cue fix time: 3

time to hit: 5

" " stay: 1

| | | |
|--------------|-----|-------------------|
| 1. | 74% | 21. 2 90% |
| 2. | 81% | switch 22. 6 71% |
| 3. | 77% | 23. 51% |
| 4. | 64% | 24. 52% |
| 5. | 81% | 25. 75% |
| 6. | 76% | 26. 93% |
| 7. | 83% | 27. 90% |
| 8. | 92% | switch → 28. 93% |
| 9. | 90% | 29. 23% |
| 10. | 43% | 30. 82% |
| 11. | 85% | 31. 79% |
| 12. | 88% | 32. 93% |
| switch → 13. | 84% | 60 75 61 |
| 14. | 36% | 069 117941 / 1600 |
| 15. | 66% | 200 ml |
| 16. | 51% | |
| 17. | 83% | |
| 18. | 85% | |
| 19. | 60% | |
| 20. | 84% | |

4. D discarded
8. A ✓
9. D discarded
10. A ✓
11. C discarded
12. C "
18. C "
19. C "
20. C "
21. A ✓
22. A ✓
23. B - discarded
27. C "
28. A ✓ ~~A~~
29. B ✓
30. B ✓
32. B ✓

May 18
Monkey, J
Save: y
Session: 32.

task: 3_2
TL: 0
reward: 1

FPsize: 5
" rad: 90
targ fix rad: 125
pen width: 5
text size: 90

fix to start: 7
" " cue: 25
cue time: 1
post we fix the: 3
time to hit: 5
" " stay: 1

| | | |
|--------------|------|---------------|
| 1. | 73% | 21.66% |
| 2. | 84% | 22.80% |
| 3. | 76% | 23. 87% |
| 4. | 89% | 24. 81% |
| 5. | 95% | 25. 56% |
| switch → 6. | 93% | 26. 76% |
| 7. | 50% | 27. 69% |
| 8. | 37% | 28. 97% |
| 9. | 85% | 29. 97% |
| switch → 10. | 100% | 30. 97% |
| 11. | 100% | 31. 68% |
| 12. | 71% | 32. 50% |
| 13. | 82% | |
| 14. | 90% | 200ml |
| switch → 15. | 85% | 79% 57% |
| 16. | 72% | 911/1151/1600 |
| 17. | 86% | |
| 18. | 93% | |
| switch → 19. | 97% | |
| 20. | 40% | |

sorted 2

- 4. D discarded
- 8. C ✓ discarded
- 9. C " "
- 10. A ✓
- 11. ~~A~~ B ✓ discarded
- 12. B ✓
- 15. B ✓
- 18. C discarded
- 19. A ✓ "
- 20. ~~B~~ C ✓
- 21. A ✓
- 22. B ✓
- 23. C discarded
- 27. D "
- 28. A if combined
- 29. B discarded
- 30. B ✓
- 32. D discarded

May 19
Monkey: 5

Save: ✓
Session: 33.

Task: 3-2

Tl: 6

Reward: 1

FP size: 5

" rad: 90

targ fix rad: 125

pen width: 5

text size: 90

fix to start: 7

" " cue: 25

cue time: 1

post cue fix time: 3

time to hit: 5

" " stay: 1

1. 74%

21. 73%

41. 29%

2. 95%

22. 83%

42. 50%

3. 100%

23. 89%

4. 93%

switch 24. 75%

79% 49%

switch → 5. 54%

trial 7 → 25. 94% !!

1023 / 1304 / 2101

6. 72%

26. 92%

7. 100%

27. 100%

2000 mL

8. 100%

switch 28. 77%

9. 100%

29. 40%

switched on trial 8 → 10. 75%

30. 61%

11. 83%

31. 84%

12. 97%

32. 83%

switch 13. 100%

33. 82%

14. 24%

switch 34. 53%

15. 30%

35. 74%

16. 35%

36. 77%

17. 51%

37. 93%

18. 37%

38. 91%

19. 67%

39. 93%

20. 69%

switch 40. 65%

- ✓ 4 D ✓[✓] discarded
✓ 8 A/B ✓
✓ 9 C ~~B~~ discarded
✓ 10 A ✓
✓ 11 B/C ✓ rare
12 B/C ✓ discarded
15 D " "
19 D "
✓ 19 2 A ✓
20 D
✓ 21 A ✓
23 B - discarded
27 C "
✓ 28 A "
✓ 29 B ✓
30 C discarded
✓ 32 A, rare ✓

May 20

Monkey J

Save: 1,

Session: 324

task: 3, 2

TL: 0

reward: 1

FP size: 5

" rad: 90

targ fix rad: 125

pen width: 5

text size: 90

fix to start: 7

" " cue: 25

cue time: 1

postcue fix time: 3

time to hit: 5

" " stay:

- | | | | |
|--|-----|---------------------------------------|--|
| 1. | 62% | 21, 24% | possible eye tracking problem around trial 20 |
| 2. | 73% | 22, 25% | |
| 3. | 80% | 23, 48% pressed | |
| 4. | 89% | 24, 10% ↓ | |
| switch → 5 | 88% | 25, 59% 7 | |
| 6. | 58% | 26. aborted, restarted & recalibrated | |
| 7. | 40% | 1. 90% | |
| 8. | 68% | 2. 96% | |
| Failing to saccade/ select target properly | 58% | switch → 3. 100% | |
| 9. | 49% | 4. 81% pressed | |
| 10. | 74% | 5. 85% | |
| 11. | 76% | 6. 64% | |
| 12. | 81% | ended early due to tracking issues | |
| 13. | 95% | | |
| 14. | 91% | | |
| switch → 15. | 76% | | |
| 16. | 93% | | |
| 17. | 93% | | |
| 18. | 93% | | |
| switch → 19. | 91% | | |
| 20. | 16% | | |

accidentally saved as marty, session 8

4 D

8 ~~A~~ B

9 B

10 A

11 B

12 D

13 ~~B~~ C

14 D

15 C

16 A

17 c -> decreased threshold @ block 7, trial 49

18 ~~C~~ D

19 D

20 A

21 B

22 B

23 B

sta3-Z-m-008_00tol.pt6mat

.edf

should be

j-034_00tol

BUT there already is \uparrow so should be

tol

Possible Units from other banks/blocks

Block

B

3, 4, ~~5, 6~~, 7, 8, 10, 13, ~~17~~

Block C

(1) 2 units? (2) 2 units, (3) 6, 9, (12), 15, 29
30

Block D

~

May 21

Block C

Monkey: J

Save: y

Session: 33

Task 3_2

Th: ⑥

Reward: 1

FP size: 5

" rad: 90

" fibrad: 25

penwidth: 5

textsize: 90

Fix to start: 7

" " cue: 25

cue time: 1

postcue fix: 3

time to hit: 5

" " stay: 1

1. 91%

21. 35%

2. 83%

22. 54%

switch → 3. 91%

23. 90% of 20

4. 76%

72% S1%

5. 78%

579/802/1125

6. 100%

100%

7. 100%

100%

switch → 8. 100%

9. 67%

10. 71%

11. 74%

12. 46%

13. 58%

14. 52%

15. 88%

16. 85%

switch → 17. 94%

18. 45%

19. 58%

20. 56%

1. A ✓ ~~scrapped very rare~~
2 A ✓ ~~examined by Adam~~
3 B ✓
6 AB ✓
12 BA ✓
29 C ✓ discarded

May 22

Block C

Monkey: 3
Save
Session: 36

Task: 3.2
TL: 0
reward: 1

FP size: 5
" rad: 90
target fix rad: 125
pen width: 5
font size: 90

fix to start: .7
" " cue: .25
cue time: 1
post cue fix: .3
time to hit: .5
" " stay: .1

| | | |
|-------------|------|--|
| 1. | 79% | 21.63% eye tracking problem - reset task |
| 2 | 91% | 22.22% |
| 3 | 100% | 1.91% 19.83% |
| switch → 4 | 91% | 2.97% 20.79% |
| 5 | 21% | switch → 3. 100% 68% 44% |
| 6 | 44% | 4. 72% 44/1644 19.99 |
| 7 | 43% | 5. 103% |
| 8 | 85% | 6. 94% 200mJ |
| 9 | 86% | 7. 86% |
| 10 | 78% | switch → 8. 33% |
| 11 | 80% | 9. 24% |
| 12 | 83% | 10. 28% |
| switch → 13 | 95% | 11. 44% |
| 14 | 47% | 12. 65% |
| 15 | 55% | 13. 42% |
| 16 | 54% | 14. 67% |
| 17 | 52% | 15. 68% |
| 18 | 69% | 16. 84% |
| 19 | 71% | 17. 78% |
| 20 | 80% | 18. 65% |

sorted 2

- 1. A (noisy) ✓ Zinks - one of which is infrequent
- 2. A
- 3. B (noisy) ✓
- 6. B "
- 9. D ✓ discarded
- 12. BA ✓
- 29. C - doubtful - ignored discarded

June 1

Block A

Monkey: J

Save: Y

Session: 37

Task: 32

TL: 0

reward: 1

FP size: 5

" rad: 90

targ fix, rad: 125

pen width: 5

text size: 90

fix to start: .7

" " cue: .25

cue time: 1

post cue fix: .3

time to hit: .5

" " stay: 1

reward problems - had to restart x7

stacked 1.

~~42.36~~ 57%

2.

43%

3.

58%

4.

56%

5.

61%

6.

78%

7.

87%

8.

91%

switch 9.

89%

10.

71%

11.

79%

12.

71%

13.

90%

14.

89%

switch 15.

55%

~~Ramping reward causes glitch w/ SR 3-2~~

9. B
10 A
13 A
14 B
15 C
16 B
19 B
21 A
~~22 A~~
22 B
23 A
28 A
29 B
30 B

(left)
 One 2 Array; dLPFC Block A

Monkey: J
 Sess: 4
 Session: 38

Task: 3-2
 th: 0
 reward: 1

FP size: 5
 " rad: 90
 targ fix rad: 125
 pen width: 5
 text size: 80 ↓ from prev

Fix to start: 7
 " " cue: 25
 we time: 1
 post we fix: 3

| | | | |
|--------------|------|-------------|-------------------------------|
| 1. | 47% | 21 | 97% |
| 2. | 44% | switch → 22 | 100% |
| 3. | 57% | 23 | - 33% |
| 4. | 60% | 24 | 89% |
| 5. | 76% | 25 | 85% |
| 6. | 75% | 26 | 93% - meant to switch! |
| 7. | 86% | switch → 27 | 86% |
| 8. | 83% | 28 | 43% → switch (a couple times) |
| switch → 9. | 93% | 29 | 50% |
| 10. | 69% | 30 | 70% |
| 11. | 79% | 31 | 76.9% |
| 12. | 100% | 32 | 82% |
| 13. | 98% | 33 | 91% |
| switch → 14. | 95% | switch → 34 | 80% → (a couple of times) |
| 15. | 52% | 35 | |
| 16. | 74% | | |
| 17. | 89% | | |
| 18. | 97% | | |
| switch → 19. | 97% | | |
| 20. | 80% | | |

907 / 1144 / 1710

75%

- 1 A
1 B
- 3 BA Zunits?
5 B Z-units? \rightarrow ? 3 units
- 6 B
7 A Zunits? & up ff.
10 A left looking? Zunits?
16 A
- 12 B
14 A B
15 A
- 16 A Zunits? predicts down/rightward saccade?
- 18 A
23 B
- 24 B Z units offline
25 B
- 27 B Zunits? ff.
29 A Zunits? down?
- 30 B
31 B
- 26 → seemed to have a unit initially unsorted

(L)
June 3 Array: dLPFC Block: B

Monkey: J
Save: y.
Session: 39

Task: 3-2
TL: 3 (saccade vector) 0 (task reward): .12 v
.1 ramped ↓

FP size: 5
.. rad: .90
target fix rad: .125
pen width: 5
text size: 70 A from prev

Fix to start: .7
" " cue: .25
cue time: 1
post cue fix: .3

Block Orientation:

1 1-13: Up/down

14-30 diag: up/l down/R

31-42 50% up/R down/l

2 1- 1 left/right

72% 53%
142 / 159 / 265

| | Task | | |
|-----|----------------------|---------|----------|
| 1. | 92% switch → 15. 88% | 14. 88% | 29. 56% |
| 2. | 95% switch → 16. 90% | 15. 88% | 30. 43% |
| 3. | 88% switch → 17. 75% | 16. 90% | 31. 63% |
| 4. | 97% switch → 18. 26% | 17. 75% | 32. 82% |
| 5. | 50% | 19. 53% | 33. 78% |
| 6. | 47% | 20. 53% | 34. 78% |
| 7. | 56% | 21. 89% | 35. 88% |
| 8. | 58% | 22. 77% | 36. 94% |
| 9. | 55% | 23. 91% | 37. 100% |
| 10. | 57% switch → 25. 52% | 23. 91% | 38. 55% |
| 11. | 56% switch → 26. 59% | 25. 52% | 39. 59% |
| 12. | 77% | 27. 45% | 40. 59% |
| 13. | 81% | 28. 60% | 41. 86% |
| | | | 42. 83% |
| | | | 43 |

* ? 2 units in 20!

5 BC

7 A

10 A

11 AB

12 A . 2 units

13 B

17 A 2 units

18 ~~A~~ C

19 B

20 A

21 A 2 units

22 A

23 A 2 units

24 B

25 3 units

26 A

28 2 units

29 A

30 B

31 2 units

32 3 units

??

(L)
June 4 Array, dLPFC Block C

Monkey: 5
Sess. 4
Session: 40

^{SR}
task: 3, 2
TL: 3 (field mapping) 0 (task)
reward: 12 " 1 (cramped)

FP size: 5
" rad: 90
targ fix rad: 125
pen width: 5
text size: 70

fix to start: .7
" " cue: .25
cue time: 1
post cue fix: 3

~~Field Mapping~~

discard:
no reward

1-23 vertical

24- 1/60 (↑↓/down diag 5)

Block Task Direction

1 1-4 ↑

1-2 42-23 ←

2 24-27 ↓

2-3 28-14 ↗

3-4 30-27 ←

Forgot to replace
reward dispenser
save changes, then extra
file for session 39

Task

| | switch | | |
|--------------------------|---------|---------|------------------------|
| 1. 45% | 11. 43% | 21. 82% | 31. 38% |
| 2. 78% | 12. 61% | 22. 70% | 32. 65% |
| 3. 88% | 13. 43% | 23. 71% | 33. |
| 4. 86% | 14. " | 24. 71% | 68% 52% |
| match 75% after trial | 42. 93% | 15. 80% | 25. 65% 849/1245/11620 |
| 5. 6. | 16. 79% | 26. 77% | 240 ml |
| 7. 39% | 17. 87% | 27. 75% | |
| 8. 49% | 18. 90% | 28. 81% | |
| 9. 50% switch | 19. 81% | 29. 91% | |
| 10. 63% | 20. 54% | 30. 94% | |

16 - ~~2~~³ units

Experimental Sessions - 3

- | | |
|----|-----------|
| 3 | 3 units |
| 4 | A |
| 6 | B |
| 8 | 2 units |
| 9 | 2 .. |
| 10 | |
| 12 | |
| 13 | C |
| 14 | A |
| 15 | 2 units |
| 16 | 3 units |
| 18 | A |
| 19 | B |
| 20 | A 2 units |
| 21 | A |
| 22 | A - B |
| 23 | 2 units |
| 25 | B |
| 26 | 2 units |
| 27 | B |
| 29 | B |
| 30 | 2 units |
| 31 | R units |
| 32 | |
- 1) hyperglycemia - still has session number 39 from yesterday and reward system did not work
- 2) (session 40) - field mapping only (training level 3)
- 3) (session 40) - SR 3.2 (training level 0)

(L)
June 5 Array, dLPFC Block: A

Monkey: S
Save: Y
Session: 41

Task: SR 3-2
(L: 3 (Field mapping) O (exp)
reward: 12 " 1 x 1.7 ramped

FP size: 5
" rad: 90
tang fix rad: 125
pen width: 5
text size: 40 4 from prev

Fix to start: 7
" " cue: .25
cue time: 1
post cue fix: .3
time to hit: .5
" " stay: .15 1 from prev

Block trial Field Mapping

- 1-2 & 1-1 horizontal ↪
- 2-3 & 2-2 diagonal ↤
- 3 5-50 vertical ↮
- 4-5 & 10-1 diag ↦

| | Experiment | switched after 5th |
|-----------------------|------------|--------------------|
| 1. | 83% | 15, 42% |
| 2. | 89% | 16, 36% |
| switched 3rd trial | 3. 86% | 17, 54% |
| 4. | 54% | 18, 46% |
| after | 5. 55% | |
| 6. | 70% | 180 W |
| 7. | 87.5% | 75% exp 1 |
| 8. | 83% | 420/556/9.08 |
| 9. | 74% | |
| 10. | 94% | |
| 11. | 97% | |
| switched 4th trial | 12. 94% | |
| should have 13 | 93% | |
| switched | 14. 90% | |

Line 11 Array.dlPFC (L) Block A

Monkey: 5

Sess.y.: .

Session: 44

Task: SF 3.2

TL: 3 (field mapping) 0(experiment)

FP size: 5

11 rad: 90

targ fix rad: 125

pen width: 5

text size: 40

Fix to start: 7

" " cue: 25

cue time: 1

post cue fix: 3

time to hit: 5

" " stay: 2

Field Mapping

| Block | trials | direction |
|-------|-----------------------|--------------------------------|
| 1 | 1-50 | horiz \leftrightarrow |
| 2 | 1-48 | vertical $\uparrow \downarrow$ |
| 2-3 | 50-45 diag \nearrow | |
| 3-4 | 50-50 diag \nwarrow | |

Experiment

| | | | | |
|--------------|-----|------------------|--------------------------------|---------------------|
| 1. | 53% | 14.68% | 27.53% | 40.89% |
| 2. | 70% | 15.35% | 28.51% | 41.71% |
| 3. | 86% | 16.89% | 29.69% | 42.96% |
| 4. | 94% | 17.74% | 30.58% | 43.89% |
| switch → 5. | 94% | 18.92% | 31.73% | 44.77% |
| 6. | 40% | 19.75% | 32.61% | 45.73% opening 1 |
| 7. | 37% | 20.97% | 33.** problem w/ eye blinks ** | |
| 8. | 58% | 21.88% | 34.70% | |
| 9. | 75% | 22.93% | 35.66% | |
| 10. | 85% | switch 23.25% | 36.62% | |
| 11. | 93% | 24.48% | 37.63% | |
| switch → 12. | 91% | 25.65% | 38. | |
| 13. | 43% | 26.69% | 39. | |

- 2. B
- 3. 2 units
- 4. B
- 5. B
- 6. A
- 7. 2 units
- 8. A
- 9. A
- 10. A
- 11. 2 units
- 12. B
- 13. C
- 14. A
- 15. B
- 16. 2 units
- 17. B
- 18. 2 units
- 19. B
- 20. B
- 21. C
- 22. C
- 23. C
- 24. C
- 25. 2 units
- 26. C
- 27. A
- 28. B
- 29. 2 units
- 30. 2 units
- 31. 2 units
- 32. A

possible
↑ problem w/ eye tracker accepting vertical
saccade, thus switched

69% 44%
180/1424/12250

280 mL

Jne 15 Array.dlpfc(l) Block B

Monkey: J
Saveiy
session: 45

Task: SR3.2
TL: 3 (field mapping) 0(experiment)

FP size: 5

" rad: 90,
tag fix rad: 125
pen width: 5
text size: 40

fix to start: 7

" " cue: 25
cue time: 1

post cue fix: 3
time to hit: 5

" " stay: 25 Δ from previous

Field Mapping

| Block | trials | direction | |
|----------|--------|-----------|-------------------------------|
| 1-2 | 1-12 | diag ↗ | 15. 100% |
| 2- | 13-50 | horz ← | 16. 100% |
| 3 | 1-40 | diag ↘ | 17. 85% |
| 3-4 | 41-73 | vert ↓ | 18. 84% |
| | | | 19. 79% |
| | | | 20. 88% |
| 1. | 76% | | 21. 83% |
| 2. | 76% | | 22. 73% |
| 3. | 82% | | 23. 81% |
| 4. | 95% | | 24. 76% |
| switch → | 5. | 91% | 25. 71% |
| | 6. | 9% | 26. 71% |
| | 7. | 35% | 27. 84% |
| | 8. | 46% | 28. 74% |
| | 9. | 90% | 29. 82% |
| | 10. | 84% | 30. |
| switch → | 11. | 87% | as poor performance end early |
| | 12. | 53% | 76% 49% |
| | 13. | 51% | 130 |
| | 14. | 32% | 729/962/1501 |
| | | | 130 mL |

Accidentally
saved as Marty

✓ Session 23

~~Save~~
field mapping only

experiment saved normally

3 A

5 2 units

6 B

7 A

8 C

9 B

10 C

11 B

12 C

14 2 units

15 ..

16 B

17 2 units

18 ..

19 A

20 A

21 2 units

22 A

23 C

24 2 units

25 ..

26 A

28 2 units

29 3 units

30 2 units

31 A

32 A/B

June 16 Array's of REC (L) Block C ✓

(Census data, data don't fit)

by emer
click bader

by ~~me~~
dick bailey

Monkey. 5

Save //
Session 46

Task: SR3-2

Field Mapping

Block trials direction

fix kostat? 7

June 25

the time! I

positive fix. 3

time to hit. 5

time to stay. 3Δ from previous

charged to 27 for exp

| Block | Trials | direction | |
|-------|----------|------------------|---|
| 1-2 | 1-49 | diag ↘ | |
| 2-3 | 50-50 | horiz ↔ | 25 25% 49% 26. 13% |
| 4-5 | 4-24 | vert ↓ | 26. 13% |
| 5-7 | 25-18 | diag ↗ | 27. 91% 723/1051/1067 |
| | Exp | | switch 26 92% 2300 m |
| 1. | 42% | 12.44% | 29.67% |
| 2. | 29% | 13.63% | 30.60% |
| 3. | Restated | 14.63% | 31.73% |
| 1. | 40% | 15.37% | 37.10m% |
| 2. | 79% | 16.86% | 33.86% |
| 3. | 86% | 17.76% | 34.91% |
| 4. | 89% | 18.76% | 35.58% switched after 2 nd trial |
| 5. | 72% | 19.55% | 36.65% |
| 6. | 100% | 20.67% | 37.64% |
| 7. | 92% 93% | 21.82% | 38.50% |
| 8. | 82% | 22.90% | 39.53% |
| 9. | 48% | switch 23.88% | |
| 10. | 22% | 24.11% real | |
| 11. | 33% | | |

6. C
8. 2 units²

9. 2 units

10. A

11. 2 units

12. C

13. 2 units

15. "

16. B

19. B

21. 2 units²

22. "

23. "

24. B

25. 2 units

26. A

27. 2 units

28. B

29. A

30. A

31. ~~B~~ B

First ~~the~~ session was sensory control
session using TL 2 - seemed to confuse
him, and scattered after fixation/reward
period

June 17 Array 1 dLPFC (L) Block A

Monkey: J
Session: 47
Same w/

Task: SF32
Th: 0 (exp) 3 (field mapping)
reward: 1 - F.m. 1 x ramped exp
1.7

FP size: 5
" rad: 90
targ fix rad: 125
pen width: 5
text size: 40

Fix to start: 7
" " cue: 25
cue time: 1
post cue fix: 3
time to hit: 5
time to stay: 3 (f.m.) , 275 (exp)

Field Mapping

Block trials direction
 1-4 1-9 diag ↗
 4-6 10-2 " ↘
 6-7 10-35 vert ↓
 7-9 43-31 horiz ←

Exp

| | | | | |
|-----|-----|--------------------------|--------------------------------|---------------------------------|
| 1. | 39% | R↗ | 15.83% | 29.74% |
| 2. | 48% | B↖ | switch 16.81% | 30.88% |
| 3. | 40% | | 17.85% at R↓ | 31.88% |
| 4. | 39% | | 18.96% | 32.96% ← should have switched |
| 5. | 35% | | 19.93% | 33.93% |
| 6. | 56% | switch after 2nd trial ↗ | 20.91% B↖ | 34.62% ← switch after 1st trial |
| 7. | 59% | | 21.74% R↗ | 35.76% G↗ |
| 8. | 43% | | 22.92% rule 36.65% B↖ | |
| 9. | 40% | switch after 3rd trial ↗ | 23.82% R↖ *transference 37.57% | 210 mV |
| 10. | 64% | | 24.50% | 38.68% 65% 39.9% |
| 11. | 45% | | 25.33% | 39.83% 810/1251/2110 |
| 12. | 55% | | 26.54% | 40.96% |
| 13. | 73% | | 27.63% | 41.89% |
| 14. | 92% | | 28.66% | 42.73% |

2. C
3. B
4. 3 units?
5. B
6. 2 units
7. A
8. C
9. D
10. C
11. C
12. B
13. C
14. 2 units?
15. C
16. B
17. B
18. C
19. D
20. D
21. B
22. 2 units?
23. C
24. B
25. D
26. C
27. A
28. B
29. C
30. 2 units
31. C

Jne 18 Array: dLFC(1) Block B

Monkey J
Session 48
Sme. Y

Task: SR 3_2

TL: 0(exp) 3 (field mapping)

reward: .08 (fm) .08 x 2.7amped (e)

FP size: 5
" rad: 90
targ fix rad: 125
pen width: 5
text size: 40

fix to start: 7

" " cue: 25

cue time:

post cue fix: 3

time to hit: 5

" " stay: 27

Field Mapping

| blocks | trials | direction |
|--------|--------|-----------------------|
| 1-2 | 1-50 | hor \leftrightarrow |
| 3-4 | 1-1 | diag \nwarrow |
| 4-5 | 2-6 | hor \leftrightarrow |
| 4-5 | 7-22 | diag \nearrow |
| 5-6 | 37-50 | vert \downarrow |

65% 44% 0%
247 / 580 / 530

15

20 20 m

| | | |
|------------------------|-----|--------|
| decay | 1. | exp |
| Falling asleep | 2. | 60% R↑ |
| Blun monitor | 3. | 60% B↓ |
| trials | 4. | 71% |
| | 5. | 90% |
| | 6. | 82% |
| switch after 6th trial | 7. | 93% |
| | 8. | 58% |
| | 9. | 31% |
| | 10. | 44% |
| | 11. | 53% |

ended early b/c sleeping problems
data possibly compromised due to repeated
sleeping

5. Zunits

6. C

7. B

8. Zunits

10. C

11. A/B

12. B

14. A

15. A

16. B

17. A

18. Zunits

19. C

20. Zunits

21. 1...2.

22. A

23. B

24. B

25. Zunits

26. A

28. Zunits

29. "

30. A

31. Zunits

32. C

June 22 Array.dLPC(L) Block C

Monkey: J
Session: 49
Save: y

Task: SR3_2
TL: 3 (mapping) 0 (exp)
Reward: 0.6 " 0.6×1.1 ramped (exp)

FP size: 5
" rad: 90
target fix rad: 125
perf width: 5
text size: 40

fix to start: .7
" " we: .25
cue time: 1
post cue fix: .3
time to hit: .5
time to stay: 3 (mapping) .225 (exp)

Field Mapping

blocks: trials direction
1-2 1-6 drag ↙
2-3 7-13 move ↗
2-3 14-16 drag ↘
3-5 49-45 vert ↴

| | exp | |
|----------------------|-------------------|---------|
| 1 | 61% | 14, 31% |
| 2 | 65% | 15, 42% |
| 3 | 95% (ramped 5min) | 16, 36% |
| 4 | 44% | 17, 30% |
| should have switched | 5, 89% | 18, 65% |
| switched | 7, 41% | 19, 85% |
| switch | 7, 53% | 20, 94% |
| 8 | 62% | 21, 90% |
| 9 | 63% | 22 |
| switch | 10, 87% | |
| | 11, 97% | |
| ↔ | 12, 81% ↵ | |
| | 13, 51% | |

↓ ↓

quit b/c monkey very
uncalibrated not per
to w/t target

- 517 - 830 - 3816
- 3468

1c

3b

7b

10a

11a - 3 units

12b - 2 units

14c

15c

16c

17d

18b

19c

20b

21b

22b

23a ~~b~~ → 2 among units

25a (marked 2 units, b & 2nd unit as busy)

26a

27c

28b

29c

30~~c~~

31a

June 23 Array.dLPC Block A

Gold mapping
1. July 6th
2. sunny day
3. the last error

Monkey J
session 50
Savory

task: SR3

TL: 3 (mapping) 0 (exp)

reward: 0.8 (map) .07 x 1.7 ramped (exp)

FP size: 5

" rad: 90

long fix rad: 125

pen width: 5

text size: 40

fix to start: 7

" " cue: 25

cue time: 1

post cue fix: 3

time to hit: 5

" " stay: 23 ↓ from pre

Field Mapping

blocks trials direction

1-2 1-14 diag ↗

2-3 15-27 horiz ←

3-4 28-30 diag ↘ recalibrated

4-5 30-37 vert ↓

80% 52%

1030/1284/12000

2000mL

| | | | |
|------------------------|------------|------------------|---------------------------|
| 1. | exp 40% | G↓ BT | 15. 78% switch → 29. 92% |
| 2. | 10% | | 16. 89% switch → 30. 76% |
| 3. | 85% | | 17. 63% switch → 31. 83% |
| 4. | 100% | switch → | 18. 98% switch → 32. 89% |
| 5. | 100% | | 19. 66% G↑ R↑ 33. 96% |
| switched after 1 → 6. | 56% | | 20. 62% switch → 34. 64% |
| 7. | 68% | | 21. 02% switch → 35. 92% |
| 8. | 91% | | 22. 79% switch → 36. 97% |
| 9. | 93% | | 23. 100% switch → 37. 49% |
| switched after 3 → 10. | 52% | | 24. 97% switch → 38. 72% |
| 11. | 100% | switch after 5 → | 25. 95% R↑ G↑ 39. 100% |
| 12. | 100% | | 26. 100% switch → 40. 93% |
| switch → 13. | 47% | B↑ G↑ | 27. 63% R↑ G↓ |
| 14. | 59% | switch after 1 | 28. 100% |

~~BEST~~

3. 2 units²

5. C

6. C

7. 2 units

8. 2 units²

9. 2 units

10. ~~A~~ B

11. 2 units

12. ~~B~~ A

13. 2 units

14. B

17. A

18. B

20. 2 units

22. B

23. C

24. C

25. C

26. B

27. 2 units

28. A

29. 2 units²

31. A

32. A

Pre 24 Array/dLPFC Block A & B

Monkey: J
Session: 6851
Savant

Task 2: SR 3 |

TH: 3 (mapping) 0 (exp)

Reward: .08 (exp) .07 x 1.1 ramped (exp)

FPsize: 5
" rad: 40
targ fix rad: 125
pen width: 5
text size: 40

fix to start: .7

" " cue: .25

cue time: 1

post cue fix: .3

time to hit: .5

" " stay: 2.1 from prev

Field Mapping

| blocks | trials direction | | | |
|--------|------------------------------|--|--------|--|
| 1-2 | 1-12 horiz \leftrightarrow | 5.45% | 34.89% | |
| 2-3 | 13-18 vert \downarrow | 16.63% switch after 3 | 35.58% | |
| 3-4 | 19-27 diag \swarrow | 17.100% | 36.85% | |
| 4-5 | 28-37 diag \nwarrow | switch 18.90% (1.94%) R \rightarrow B | 37.93% | |
| | | 38.100% | | |

Exp

1. 80% L \leftarrow BT switch 20.97%

2. 97%

21.42% R \leftarrow GL

22.55%

210 mL

23.50%

70% 56%

24.55%

25.60%

1070 / 1335 / 1808

26.71%

27.82%

28.79%

29.88%

30.97%

31.91%

switch 3. 100%

4. 51%

5. 70%

6. 76%

7. 73%

8. 67%

9. 90%

10. 95%

11. 97% B \rightarrow R

switch 12. 92%

13. 61% L \leftarrow R

switch 14. 55%

32.85% R \leftarrow BT

33.82%

ignore 1st file - else start

3. 3 units?

5. A

6. A

7. A

8. A

9. B

10. 2 units

11. "

12. B

14. A

15. A

18. 2 units

19. & 2 units?

20. A

21. B

22. A

23. 2 units

24. "

25. "

26. "

27. B

28. 2 units

30. A

31. A

June 25 dLPC

Block C

Monkey: S

Session: 52

Savory

Task: SR3-1

TL: 3 (mapping) 0 (exp)

Reward: .08 " .07 x .17 rampeal (exp)

| Field Mapping | | switch | |
|---------------|------------------|-----------------|----------------|
| Works | trials direction | 15. 57% R ← B → | 36. 51% |
| 1-2 | 1-2 drag ↗ ↙ | 16. 50% | 37. 68% |
| 2-3 | 3-4 vert ↑ | 17. 82% | 38. 83% |
| 3-4 | 9-5 horiz ← | 18. 81% | 39. 85% |
| 4-5 | 10-7 drag ↘ | 19. 89% | 40. 00% |
| Exp | — | 20. 39% R → G ← | |
| 1. | 74% B → R ↖ | 21. 34% | |
| 2. | 77% | 22. 77% | 71% 50% |
| 3. | 80% | 23. 71% | 1002/1415/2000 |
| 4. | 74% | 24. 53% | |
| 5. | 83% | 25. 51% | 2000ML |
| 6. | 83% | 26. 81% | |
| 7. | 100% | 27. 92% | |
| 8. | 40% R ↑ G ↓ | 28. 91% | |
| 9. | 74% | 29. 38% B ↑ R ↓ | |
| 10. | 67% | 30. 21% | |
| 11. | 78% | 31. 65% | |
| 12. | 84% | 32. 100% | |
| 13. | 80% | 33. 100% | |
| 14. | 95% | 34. 60% R ↑ G ↓ | |
| | | 35. 79% | |

- 17
1. B
2. C
3. B
4. B
5. C
9. 3 units²,
10. A
11. C
12. C
14. B
15. C
18. C
19. B
20. B/C
21. B
22. B
23. B
24. B
25. 2 units
26. "
27. C
28. B
29. A
30. C
32. 2 units²,

June 26 dLPC Block A

Monkey 5

Session 53.

Savely

Task: SR4 | 235R3-1 (mapping)

TL: 3 (mapping), 0 (exp)

reward: 0.6 " , 0.7 x 1.7 ramp (exp)

FP size: 5

" rad: 90

target Fix rad: 125

pen width: 5

text size: 40

fix to start: .7

" " cue: .25

cue time: 1

post cue fix: .3

time to hit: 5 (mapping), 8 (exp)

" " stay: 1.2

Field Mapping

blocks trials direction

1-2 1-11 horiz \leftrightarrow

2-3 12-16 diag \swarrow

3-4 17-20 vert $\uparrow\downarrow$

4-5 21-29 diag \nwarrow

Exp

1. 50% 15. 92% 1102/1386/1415

2. 60% 16. 92% 79% 78%

3. 74% 17. 84% 190 mL

4. 82% 18. 92%

5. 76% 19. 82%

6. 78% 20. 96%

7. 78% 21. 90%

8. 80% switch 22. 97%

9. 90% 23. 68%

10. 64% 24. 63%

11. 72% 25. 84%

12. 74% 26. 70%

13. 78% 27. 88%

14. 90% 28. 86%

3 B
5 C
6 C

7 2 units
9 "

10 "

11 A
12 A

13 A
14 B

15 B
16 8A

17 B
18 2 units

19 B

20 A
21 B

24 2 units

25 A
26 A

27 B
28 C

29 A
31 C

32 B)

June 30 dLPC (array) Block B

Monkey: J

Session: 54

Savvy

Task: SR 4 (exp) & SR 3, 1 (mapping)

TL: 3 (mapping) 0 (exp)

Reward: .08 (map) $\times 1.7$ ramp (exp)

.067

rest same as prev

time to hit:

, 7 1 from pre

Field Mapping

| blocks | trials | direction |
|--------|--------|-----------|
| 1-2 | 1-13 | diag ↗ |
| 2-3 | 15-12 | horiz ↔ |
| 3-4 | 19-23 | diag ↘ |
| 4-5 | 26-50 | vert ↑ ↓ |

71% 70%

1103/1968/2000

Exp

| | | | | |
|-----|----------------|-----------------|-----------|---------------|
| 1. | 50% R → B ← 15 | 86% | (R ← G →) | 29.81% |
| 2. | 50% switch 16, | 64% | ↓ | 20.80% |
| 3. | 51% | 17, 83% | switch → | 31.94% |
| 4. | 42% | 18, 82% | | 32.54% G → RV |
| 5. | 70% switch | 19, 86% | | 33.87% |
| 6. | 68% switch | 20, G ← B → 30% | | 34.81% |
| 7. | 72% | 21, 21% | | 35.90% |
| 8. | 56% | 22, 63% | switch → | 36.96% |
| 9. | 66% | 23, 67% | | 37.78% B → |
| 10. | 62% | 24, 92% | | 38.92% |
| 11. | 51% | 25, 82% | | 39.83% |
| 12. | 74% | 26, 75% | | 40.92% |
| 13. | 92% | 27, 60% | | |
| 14. | 80% | 28, 65% | | |

3 B
5 Zunits
7 B
8 C
9 B
10 Zunits
11 A
12 A
14 B
15 Zunits
16 " 1
18 " 2
19 " 3
20 " 2
21 "
22 " 3
23 C
24 B
25 Zunits
26 " 3
27 C
28 C
29 B
30 A
31 A

Final File is for tomorrow
~~- eye tracking data mapping data~~
from

July 1 Array: dLPFC Block C

Monkey: J
Session: 55
Save: Y

Task: SR4 (exp) SR3 (mapping)
TL3 (mapping) O (exp)
Reward: .07 (map) .06 x 1.1 ramp (e)

FP size: 5
" rad: 125
targ fix rad: 125
pen width: 5
text size: 40

fix to start: 1
" " ave: 25
(ave time)
post ave fix: 3
time to hit: .5 (map) .6 (exp)
time to stay: .2

Field Mapping

| blocks | trials | direction |
|--------|--------|-------------------------|
| 1-2 | 1-16 | vert \uparrow |
| 2-3 | 17-47 | horiz \leftrightarrow |
| 3-5 | 50-1 | diag \searrow |
| 5-6 | 3-9 | diag \nwarrow |

~~15.00~~ 15.96 / 2032.92%
- 290 mL

| Exp | | | | |
|-----|-----|--------------------------------|---|------------------------------------|
| 1. | 43% | R \leftarrow G \rightarrow | 15.56% | 29.74% |
| 2. | 69% | | 16.67% | 30.92% |
| 3. | 43% | | 17.77% | 31.81% |
| 4. | 65% | | 18.98% | switch 32.84% |
| 5. | 90% | | 19.96% | 33.83% B \downarrow G↑ |
| 6. | 87% | switch | 20.85% B \rightarrow R \leftarrow | 34.80% |
| 7. | 94% | | 21.98% | 35.92% |
| 8. | 43% | B \rightarrow G \leftarrow | 22.92% | 36.28% G \downarrow R \uparrow |
| 9. | 96% | | 23.56% G \uparrow R \downarrow | 37.18% |
| 10. | 91% | | 24.69% | 38.94% |
| 11. | 31% | G \downarrow R \uparrow | 25.86% | switch 39.96% |
| 12. | 78% | | 26.96% | 40.81% |
| 13. | 94% | | 27.98% | 41.90% |
| 14. | 80% | switch | 28.82% B \uparrow R \downarrow 42.91% B \downarrow R \uparrow | |

Note: Mapping
data saved as session
54

3. B

4. B

8. C

10. A

11. B

12. C

14. A

15. 2 units

16. B

19. A

21. A

22. B

23. B

25. 2 units?

26. C

27. C

28. A

29. B

30. A

31. B

32. C

July 2 Array; dLPC Block A

Monkey: J
Session: 56
Same: y

Task: SP4 (exp) SR3_1 (mapping)
TL_0 (exp) 3 (mapping)
Reward: .05 + 1.7 ramp (exp), .07 (map)

FP size: 5
" mid: 90
target fix rad: 125
perf width: 5
text size: 40

fix to start: 1
" " cue: 25
cue time: 1
post cue fix: 3
time to hit: .5 (map) .6 (exp)
" " stay: .2

Field Mapping
blocks trials direction

| | | |
|-----|-------|-------------------------------|
| 1-2 | 1-21 | horiz \leftrightarrow |
| 2-3 | 24-35 | diag \nwarrow |
| 3-4 | 36-48 | diag \nearrow |
| 5-6 | 12-22 | horiz \downarrow |

2000 mL

1-23 81% 73%
1-23 1-23/1-23/1-23

| Exp | | | switch | switch |
|-----|---|-------------------------|-------------------|----------------|
| 1. | 52% R \leftarrow G \rightarrow | 15, 82% | 29, 91% | switch 29, 91% |
| 2. | 75% switched 16, 94% | 30, 87% | | |
| 3. | 79% switched 17, 96% | 31, 93% | G \rightarrow R | |
| 4. | 100% switch \rightarrow 18, 90% B1 C1 | 32, 81% | | |
| 5. | 98% | 33, 58% } sleep | | |
| 6. | 53% B \rightarrow R \leftarrow switch 20, 84% | 34, 68% } issues | | |
| 7. | 81% | 21, 66% R \uparrow B1 | 35, 58% | |
| 8. | 90% | 22, 89% | 36, 71% | |
| 9. | 96% | 23, 98% | | |
| 10. | 82% R \uparrow G \downarrow | 24, 96% | | |
| 11. | 90% switch 25, 47% R \leftarrow G \rightarrow | | | |
| 12. | 98% | 26, 75% | | |
| 13. | 36% G \leftarrow B \rightarrow | 27, 83% | | |
| 14. | 90% | 28, 93% | | |

Ignore 2nd set of files - reward
(i.e. only use first+last) error

- 3. C
- 5. C
- 6. B
- 7. B
- 8. B
- 9. B
- 10. B
- 11. A
- 12. C
- 13. A
- 14. A
- 15. C
- 16. 2 units
- 17. B
- 18. B
- 20. 2 units
- 26. BA
- 28. A
- 29. A
- 31. ~~BB~~ C
- 32. C

July 3 Array: dLPFC Block A

Monkey: J

Session: 56

Save: Y

Task: SR1 (exp) SR3 (mapping)

T: 0 (exp) 3 (mapping)

reward: 0.5x1, 1 ramp (exp) 5 (map)

EPsize: 5

" rad: .90

target fix rad: 125

pen width: 5

textsize: 40

fix to start: 7

" " cue: 25

cue time: 1

postcue fix: 3

time to hit: .5 (map) .6 (exp)

83% 77% time to stay: .2

1157/1383/1501

Field Mapping

| blocks | trials | direction |
|--------|--------|-----------|
| 1-2 | 1-21 | diag ↑ |
| 2-3 | 23-17 | diag ↓ |
| 3-4 | 18-27 | horiz ← |
| 4-6 | 34-8 | vert ↓ |

200 mL

switched after 3rd trial

Exp

| | | | | |
|------------|-----|----------|--------------------------------|------------------|
| 1. | 78% | G → R ← | switch 15.96% BL, R↑ | 29, 91% |
| 2. | 66% | switch | 16.94% | 30, 64% R↓ |
| 3. | 98% | | 17.41% R↑ G↑ | getting sleepy |
| 4. | 76% | | 18.96% | |
| 5. | 70% | | 19.88% | refusing to work |
| 6. | 79% | switch 2 | 20.82% | not sure if |
| 7. | 96% | switch 2 | 21.49% G → R switch not ped | |
| switch 8. | 96% | | 22.88% | |
| 9. | 71% | R↑ G↑ BL | 23.19% | |
| 10. | 84% | | 24.81% | |
| 11. | 96% | | 25.91% | |
| switch 12. | 92% | | 26.75% ← paused | |
| 13. | 96% | B → G ← | 27.100% up to write num | |
| switch 14. | 91% | | 28.89% | |

1st file : error

5. 2 units?

7. B

8. 2 units?

9. B

11. A

12. C

14. C

15. A

16. 2 units?

17. 2 units

18. ..?

19. 3 units?

20. A

22. C

23. B

24. B

25. 2 units?

26. B

28. B

29. C

30. 2 units

31. B

32. B

July 6 Array: dLPFC Block: c

Monkey 5
Session 57.
Save Y

task: FM, SR4

Reward: 0.05 w/ ramping [1.7 1.7]

FP size: 5

fix to start: 7

" rad: 90

" " cue: .25

target fix rad 125

cue time: 1.0

Pen size 5

post cue fix: 3

test size 40

switch t: .5 / .6

time to stay: 2

↑ Block 1,2 trial 1-85
↔ Block 2,3 trial 86-170
→ " 3,4 trial 171-
↓
⇒ 1. 51% ← cancel

| | | | |
|----|-------|---------|---------|
| 1. | 69% | ↑ ↓ 14% | 92% |
| 2 | 93% | 15 | 92% |
| 3. | 85% | 16 | 93% |
| 4. | 98% | 17. | 15% |
| 5. | 54% | ↑ ↓ 5 | 18. 85% |
| 6. | 82% | 19. | 96% |
| 7. | 78% | 20. | 93% |
| 8. | | Switch | 21. 30% |
| 9 | | ↑ ↓ 9 | 22. 30% |
| 10 | 62.5% | 23 | 42% |
| 11 | 87% | 24 | 62.5% |
| 12 | 88% | 25 | 72% |
| 13 | 94% | | |

3 d

6 b

7 a

9 c

11 b

12 b

14 d

16 a

18 b

22 c

23 d

25 b

26 c

27 a

28 c

29 c

31 c

Note : sometimes monkey misses

2 seconds to target ;

↓ time to hit target.

July 7 Array: dLPFC Block A

Monkey S
Session 59

Save y

task: FM, S24

Reward: 0.05 [L 7 I 7] ranging

FP size 5

fix to start: 0-7

" rad 90

" " cue: 0-25

targ fix rad 125

cue time: 1.0

pen size 5

post cue fix: 0.3

text size 30 (accident)

time to hit: 0.5

→ FM 40 Shorter 40

time to stay: 0.2

For S24 30

Block 1 1 = 120

Block 2 120 - 180

Block 3 180 - 280

Block 4 280 - 350

14. 68%

15. 87%

16. 91%

(Switch)

→ g → 17. 76%

18. 87%

19. 92%

20. 90%

21. 93%

22

g↑ b↓ 1. 77% with 2. 85%

23

2. 79% → 3. 59%

24

3. 98% 10. 81%

25

4. 91% 11. 91%

11. 91%

26

5. 68% 12. 65%

27

6. 00% 13. 55%

28

7. 89%

29

(Switch)
g↓ b↑

Block A

5 a

6 b

7 b

9 c

10 b

11 a

12 c

13 c

14 d

15 b

16 b

17 a (x2)

18 d

19 d

26 a

28 b

29 a

30 a

31 c

23, & 32 have units
that were identified.

July 8 Array: dLPFC Block B

Monkey J

Session 60

Save: y

task: SR3 L, SR4

TL: 0(exp) 3(FM)

Reward: .06(FM) .05x.7(mix
(exp))

FB size 5

.. rad 90

target fix rad 125

pen size 5

text size 40

fix-to-start: 7

fix-to-cue: 25

cue time: 1

postcue fix: 3 13418 / 1613 / 1609

time to hit: 5

100ms

... hit: 2

G71 100ms

stay

200 ms

Field Slipping

Trials Direction

Blocks Trials Direction

1-2 1-23 vert ↑ switch-

2-3 28-2L diag ↗ switch

14.92% G↓R↑

31.35% G↑B↓

3-4 27-33 horiz ↑ switch 15.90%

32.80%

4-5 340-413 diag ↙ switch 16.94% R↓B↑ 33.88%

31.98%

Exp 1. 76% BNG↓

18.87%

2. 94% switch after trial 9. 55% B↓G↑

switch 3. 98% B trial 20. 91%

4. 99% B↓G→ 21. 71%

5. 96% 22. 84%

6. 47% B↓R→ 23. 87%

7. 61% 24. 92%

8. 85% switch 25. 16% B↓G→

9. 88% switch 26. 81% R↓G↑

10. 70% 27. 22% G↓R↑

11. 94% 28. 78%

12. 85% 29. 95%

13. 91% 30. 98%

3. - not recorded, but apparent spike

6. B

7. B.

8. 2 units?

9. A

11. ~~B~~ A B

14. C

16 B

16 2 units

17 B

A ~~B~~

20 A

23 B

24 B

C

28 B

31 A

~~MATLAB~~

Files Saved

MATLAB.iy

Cyberkinetics.iy

July 9 Array.dprk Block C

Monkey: S

Session: 61

Sore: Y

Task: FM, SR4

TL: 3 (FM) 0 (GR4)

reward: .06 (FM), .05x1.7 ramp (SR4)

FP size: 5

" rad: 90

target fix rad: 125

pen width: 5

text size: 40

fix to start: 7

" " cue: 25

cue time: 1

post cue fix: 3

time to stay: 5

" " stay: 2

stay

Field Mapping

blocks trials direction

1-2 1-1 diag ↑

2-3 3-9 ~~diag~~ vert ↓

3-4 10-14 horiz ←

4-5 25-34 dig ↕

switched after trial 1/5.

B→A↑

31.63%

16, 89% + 3 → A↑

32.58%

17, 87%

33.61%

Exp

1. 83% B→A↑

18, 96%

34.63%

switch 3 failed 3

83%

19, 85% A→B↑

32.58%

80%

20, 64% C→R↑B↓

33.61%

94%

21, 89% B→R↑

31.63%

switch 4 failed 4

89% ~~B→R↑~~

22, 98%

32.58%

switch 5 failed 5

42% ~~B→R↑~~

23, 94%

33.61%

switch 6 failed 6

64% R↓G↑

24, 83% G↓B↑

34.63%

switch 7 failed 7

96% ~~G→B↑~~

25, 94%

31.63%

switch 8 failed 8

51% G←B→

26, 98%

32.58%

switch 9 failed 9

55% ~~G→B↑~~

27, 44% B→G↑

33.61%

switch 10 failed 10

96% ~~G→B↑~~

28, 46%

34.63%

switch 11 failed 11

98% ~~B→R↑~~

29, 58%

35.61%

switch 12 failed 12

96% B→R↑

30, 50%

36.63%

200ml

1180 / 1516 / 1651

~~if~~ ~~else~~ 1

ignore 1st file : rewarderror

2)

4 B
d c

10 3 units

11 12 C

12 B

14 B

15 B

19 B

21 A

22 C

23 B

25 C

26 B A

28 B

29 B

30 2 units

31 C

32 A

6

S1

July 10 AmygdPFC Block A

Monkey: J

Session: 62

Sane: y

Task: FM, SRY

Tl: 3(FM) 0(SRY)

Reward: 06(FM) .05x1.7 ramped (SRY)

FP size: 5

" rad: 98

target fix rad: 125

per width: 5

text size: 40

fix to start: 7

" " cue: 25

cue timer: 1

post cue fix: 3

time to delay: 5

" " key: 12

stay

Field Mapping

blocks trials direction

1-2 1-27 vert ↓

2-3 34-50 diag ↗

4-5 4-17 diag ↘

5-7 23-2 horiz ↔

24, 67%

25, 73%

26, 71%

1. 49% B & R → 9.84% switch 10.92% switch failed 27.82%

2. 55% 11.89% switch after fail 28.58%

3. 34% 12.70% 9.9 20.13%

4. 31% 13.48% B B & GK 20.35%

5. poor performance - quit 14.56% 31.15%

restarted 15.68% 32.68% 37%

1. 62% GVR 16.81% 33.67%

2. 94% 17.82% 34.89%

3. 94% 18.94% switch 35.65%

switched after 1st trial 68% 19.91% failed 30.90% switch

trial 5. 75% 21.98% B & GK 1100/1666/1763

6. 71% 22.68% R → B ← 71% 67%

7. 19% 23.59% 200m

8. 80% 23.59%

charge 2a
threshold

3 B
5 B
6 B
7 B
10 C
11 C

All files saved

12 C
13 B
15 2 units

16 D

14 C
18 B

20 C

22 2 units

23 C
24 C

26 A

28 B

29 A

30 B

31 B

32 C

3ky II dPFC Block B

Monkey J
Session 63
Savely

Task: FM, SR4
TL: 3 (FM) 0 (SR4)
reward: .06(FM) .05x1.7 ramped (SR4)

FP size: 5

fix to start: 1

" rad: 90

" " cue: .25

long fix rad: 125

cue time:

pen width: 5

post cue fix: .3

text size: 140

time to hit: .5

" " stay: .2

Field Mapping

blocks trials direction

1 - 2 1-12 vert ↑

2 - 3 14-18 diag ↘

3 - 4 22 23-25 horiz ↔

4 - 6 41-7 diag ↙

Exp

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--------|--------|--------|--------|--------|--------|--------|--------|------------------------|---------------|--------|--------|--------|--------|--------|
| switch | 80% | 71% | 37% | 41% | 98% | 91% | 43% | 68% | 80% | 82% | 83% | 49% | 77% | 67% |
| switch | B↑G↑ | | | | G↓B↑ | | G↓B↑ | | | | | C←B→ | | |
| switch | 15.57% | 16.60% | 17.65% | 18.54% | 19.78% | 20.70% | 21.60% | 22.76% | 23.65% | 24.69% | 25.69% | 26.57% | 27.67% | 28.82% |
| switch | 22 | | | | | | | | | | | | | 180 mL |
| switch | 29.63% | 30.75% | 31.81% | 32.69% | 33.77% | 34.82% | 35.86% | 36. ended: tilted/beat | 1181/185 /M16 | 70% | 67% | | | |

ignore 1st files - false start

3 C

4 ~~B~~ B

6 2 units

7 C

8 2 units

9 A

10 2 units

11 B

14 B

15 B

16 2 units

17 B

18 2 units

19 "

20 A

21 B

22 B

23 ~~A~~ B

24 B

25 2 unit

27 "

28 C

29 2 unit

30 "

31 A

32 C

July 12 dLPFC Block C

Monkey: S Task: FM, SRU
 Session: 64 TL: 3(FM) OR(SRU)
 Savvy reward: .06(FM) .05x1.7 ramp (SRU)

FP size: 5 fix to start: 7
 " rad: 90 " " cue: 25
 targ fix rad: 125 cue time: 1
 pen width: 5 post cue fix: 3
 text size: 40 fix to hit: 5
 " " stay: 2

Field Mapping
 blocks trials direction
 1-2 1-11 vert ↓
 2 13-48 drag ↗
 3 2-50 horiz ←
 4 57-6 drag ↗

MON/19/11/2024

71% 68%

200 mL

| | | | |
|------------|-----------|----------------|-----------|
| Exp | | | |
| 1. | 40% R↓ G↑ | 15. 78% | 30. 96% |
| 2. | 49% | 16. 18% switch | 31. 92% |
| 3. | 40% | 17. 94% | 32. 62% |
| 4. | 43% | 18. 92% | 33. 98% |
| 5. | 55% | 19. 31% R↑ G↓ | 34. 92% |
| 6. | 58% | 20. 47% | 35. 49% E |
| 7. | 72% | 21. 44% | 36. 98% |
| 8. | 85% | 22. 40% switch | 37. 96% |
| 9. | 62% | 23. 46% | 38. 56% G |
| 10. | 83% | 24. 74% | 39. 88% |
| 11. | 98% | 25. 84% | 40. 99% |
| switch, 12 | 96% | 26. 67% | 41. 96% |
| 13. | 56% R→B↓ | 27. 59% | |
| 14. | 64% | 28. 42% | |
| | | 29. 82% | |

1. C
2. B (2 units?)
3. B
4. C
5. C
6. A
7. C
8. C
9. C
10. 2 units
11. C
12. B
13. C
14. F
15. C
16. C
17. C
18. C
19. C
20. A
21. B
22. B
23. B
24. B
25. B
26. B
27. C
28. B
29. C
30. 2 units
31. B
32. B

Jly 15 dLPC Block A

Monkey: AA Task: FM, SCR
 Session: 65 TL: 3 (FM) 0 (exp)
 Same: 1 reward: 0.6 (FM) .65x1.7 (exp)

FP rad: 90 fix to start: 7
 big fix rad: 125 " " cue: 25
 penwidth: 5 cue time: 1
 textsize: 140 post cue fix: 3
 time to hit: 5 " " stay: 2

6 blocks FM
 trials direction
 1-2 1-44 diag ↓
 2-3 45-44 " ↗
 3-4 49-44 vert ↓
 4-5 50-4 horiz ←

1243 / 1318 / 1450

90% 86%

2000 ml

- Exp switch
- | | | |
|---------|--------|---------------|
| 1. 88% | B↓ G↑ | 16. 78% B← R→ |
| 2. 98% | | 17. 18% |
| 3. 69% | | 18. 94% |
| 4. 96% | switch | 19. 67% G← R→ |
| 5. 96% | | 20. 98% |
| 6. 90% | R← B→ | 21. 96% |
| 7. 98% | switch | 22. 72% G↓ R↑ |
| 8. 96% | G↓ R↑ | 23. 96% |
| 9. 96% | switch | 24. 94% G+R→ |
| 10. 82% | B← G→ | 25. 69% |
| 11. 71% | | 26. 96% |
| 12. 94% | switch | 27. 94% |
| 13. 89% | B↓ R↑ | 28. 94% B↑ R↓ |
| 14. 92% | | 29. 100% |
| 15. 98% | | |

3. B

4. C

5. B

6. C

7. Zunfts.

8. B

11. A

12. C

14. C

15. Zunfts.

16. D

17. A

18. B

19. B

20. C

21. C

22. A

23. C

24. C

25. B

26. A

28. B

29. A

30. D

31. B

32. B

July 16 dlPFC Block B

Monkey

Task: FM, SRH

Session: 66

TL: 3 (FM), 0 (exp)

Savvy

Reward: .06 (FM), .05 & .7 ramp (exp)

FP rad: go

fix to start: 7

target fix radius: 5

" " cue: 25

~~text size: 40~~

cue time: 1

post cue fix: 3

time to hit: 5

" " stay: 2

FM

blocks trials direction

1 1-47 horiz \leftrightarrow

190ml

2-3 16-24 drag \uparrow

1195/1649/1446

3-5 28-25 vert \downarrow

73% 62%

4-6 12-16 drag \uparrow

Exp

1. 53% G \downarrow BT switch, 16. 94%

31.63%

2. 98% 17.64% G \rightarrow B \leftarrow

32.77%

switch 3 90%

18.93%

33.80%

4. 55% G \leftarrow B \rightarrow

19.92%

31.35%

5. 98% switch 20.21% B \rightarrow G \uparrow

35.43%

6. 83% 21.77%

36.58%

switch 7. 85% 22.80%

37.53%

8. 47% R \leftarrow G \rightarrow

23.85%

38.41%

9. 81% switch \rightarrow 24.80%

10. 60% switch \rightarrow 25.61% G \rightarrow R \uparrow

26.67%

11. 81% 27.83%

12. 94% 28.92%

switch 3 98% R \rightarrow B

29.89%

14. 70% R \rightarrow B switch 29.89% G \rightarrow R \downarrow

30.26%

15. 94%

3. A

9. C

5. 2 units²

6. C

8. A

9. 2 units

10. 11

11. B

14. A

15. BC

18. BA

18. C

19. A

20. C

21. B

22. B

23. B

24. C

25. D

26. 2 units

27. A B

28. B

29. C

31. A

32. D

July 17 dLPFC Block C

Monkey J Task: FM, SRH
 Session: 61 . TL: 3(FM) 0(exp)
 Savely
 reward: .06(FM) .05x1.7 ramp(exp)

FP rad: 90 Fix to staff: 7
 tang fix rad: 125 " " ave: 25
 text size: 40 ave time: 1
 post ave fix: .3
 time to hit: .5
 " " stay: .2

FM

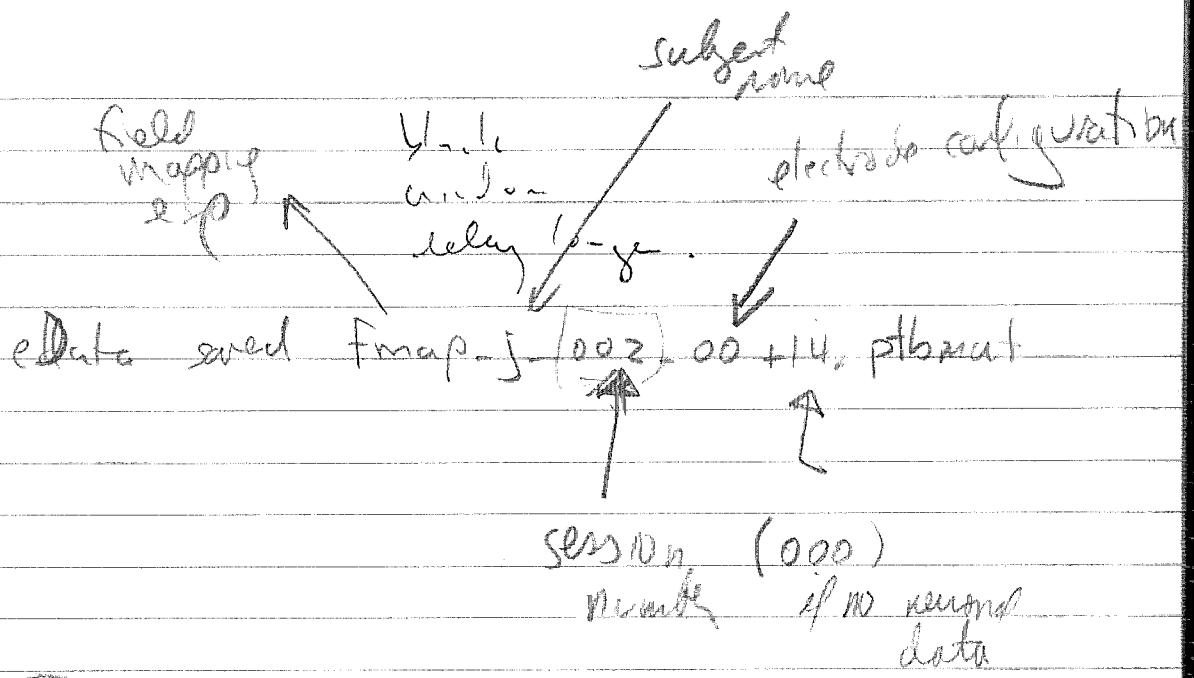
| blocks | trials | direction |
|--------|--------|-------------------------|
| 1 | 1-48 | horiz \leftrightarrow |
| 1-3 | 49-41 | diag \nearrow |
| 2-3 | 43-31 | vert \uparrow |
| 3-4 | 35-42 | diag \nwarrow |

Exp

| | | | |
|-------------------------|------------------------------------|--|--------------|
| 1. | 93% B \rightarrow R \leftarrow | 16. 44% B \leftarrow G \rightarrow | 31. 100% |
| 2. | 97% | 17. 94% switch | 32. 81% |
| 3. | 75% | 18. 91% switch | 33. 30% B |
| 4. | 52% | 19. 49% G \leftarrow R \rightarrow | 34. 85% |
| 5. | 51% | 20. 86% | 35. 96% |
| 6. | 87% | 21. 76% | 36. 91% |
| 7. | 89% | 22. 85% | |
| 8. | 93% | 23. 84% | 1378/1651/18 |
| switch after 439. | 59% B \rightarrow R \leftarrow | 24. 92% switch | 81% 77% |
| 9. | 84% | 25. 89% G \leftarrow B \uparrow | |
| 10. | 100% | 26. 96% | 2000 mL |
| switch \rightarrow 12 | 96% G \uparrow B \rightarrow | 27. 96% | |
| 13. | 89% G \uparrow B \rightarrow | 28. 86% R \uparrow R \downarrow | |
| 14. | 98% | 29. 96% | |
| 15. | 98% | 30. 100% | |

accidentally saved ~~several~~
Files to Marty. 090717

- 3. B
- 4. B
- 8 C
- 9 C
- 10. 2 units
- 11. B
- 12 2 units
- 16. 11
- 17. B
- 18. B
- 21. A
- 22. A
- 23 A
- 25 B
- 26. B
- 28 ~~B~~ C
- 29 C
- 30 2 units
- 32 C



Cores: Core-DATA
 → Jern, loo
 → make folder
~~19100~~
 08/11/9

1. open Central
 File -> load system settings
 (Rabbit) → JL-001-032-LFP-SRK
 A B left one " 08/11/06

2. click File storage
 Browse
 choose 08/11/06
 Enter file name ; date file
 but click save .