

in

Marty

-1/2

new head ring.

distances (always turn closest 2 bolts) in  
based coordinates

C-R:  $5\frac{3}{8}\frac{7}{8}$ " C-L:  $5\frac{5}{8}$ " L-P:  $\frac{3}{8}\frac{7}{8}$ "

subject

Settings 1:

found: .4

FP size: 10

" radius: 125

test: 0

fixation to start: .15

" " cue: .1 - .1

~~BB~~

~ 52% success over ~ 190 trials

190

Settings 2:

found: .1

radius: 100

fixation to start: .2

" " cue: .15 - .15

~ 40% success over ~ 250 trials

Settings 3:

fixation to cue: .2 - .3

~ 30% over ~ 100 trials

settings 4:

reward: 3

fixation to start trial: 25

" " cue time: 25-.5

~38% of 240

settings 5:

fixation to cue time: 5-.75

26% of 250

4/6

settings:

reward: 3

FP size: 7

" radius: 75

fixation to start: 25

" to cue: 5-.75

~54% of 500 trials

dSR3T3c - runscreens

fix dot

then ~~start~~ target box

\* await saccade

use family level 4

all previous ~~are~~ are fixation only

## 1/7 Settings:

~~reward~~ #1. Fixation only (training level)

reward: 0.24

fix pt size: 5

fix 2 start trial: .25

fix 2 y: .5 -.75

performance: 112 / 140 80%

## #2 Simple saccade

reward: 24

FP: 15

cue height: 30

target " : 30

" distance: 200

FP radius: 75

target " : 15

pen width: 20

text size: 0

Fixation required: 1

" to start: .25

" to cue: .5 -.75

cue time: 0

post cue fixation time: 0

time to hit target: .5

" " stay in": .1

x offset: 0

y " : 0

training level: 4

(72%) (63%)

239 / 332 / 3.81

3% 239 of 3# attempted

72% 239 of 332



#3 - Simple Saccade

pen width: 15

target distance: 310

90% 50%

427 / 535 / 837

received: 300 a water

4/8 #1- Simple Saccade

reward: 2

FP size: 5

cue height: 30 target height: 30

target distance: 310

FP radius: 15

Target Fixation Radii: 125

pen width: 5

text size: 0

training level: 4

too easy (2 ~ 100% of trials)

Fixation reqd: 1

" to start: 25

" force time: 15-75

cue time: 0

post cue fixation time: 15-15

time to hit target: 5

" " stay in target: 1

#2

post fixation time: 2-2

18.98% 65%

(83) / 186 / 284

#3 post cue fixation time: 2-2.75

274 / 872 - 30.7%

210 ml

4/9 #1 Same as previous  
~~Simple Saccade~~

FP size: 5  
cue height: 30  
target " : 30  
" distance: 30  
FP radius: 75  
Target fixation radius: 125  
Ramp width: 5  
text size: 0

Fixation id: 1  
" to start: .25  
" " cue time: .5-.75  
cue time: 0  
post cue fixation time: .2-.275  
time to hit target: .5  $\rightarrow 2350 - 350$   
" " stay in target: .1

reward: .23 Training Level: 4

491 of 980 i.e. 50%

100 ml

April 10 SR3 - (with color cue) - training level 3  
+ reward ramping  
basic reward: .15

Ax rad 75  
target rad 30  
text size 70

fix 2 start .25  
fix 2 Q .5 0.75  
Q time .1  
Post Q fix time .1 .3  
time 2 hit target .7  
time 2 stay .1

TL, 3

Did very well today (above is only final one)

rank 1  $\leftarrow 232 / 235 / 807 \rightarrow 29\% (94.7\%)$

Apr. 13 25

.2 .4  
.0

.1 .3

99.7% 65%

351 / 352 / 542

April 14 SR 3:2

5 1

30 25

30 2-4

310 0 -

75 3-5

125 5

5 4

0 0

0

3

round 1

20 ~ 150g off of 200

#2

posture fixation +/- 5

round 15

#3

reward: .15

posture fixtn: 2-7

~410%  
60

#4

4/15 SR 3-1

op. size 5 fixation reqd 1

cue height 30 " to start .25

" target" 30 " to cue 2-2

" dist 30 " time .3

(Periods 125 posture fixtn time 1-3

target fixtn 125 time to hit target .5

path width 5 " to stay in 1

test size 70 x offset 0

y " 0

training 6/3

~70% 200 of ~270

#2 posture fixation: 1-5

354 / 1250 ~30%

April 16 attempted various revisions of  
yesterday's task but Marty performed  
very poorly,

tomorrow - Matt - repeat the conditions  
from April 8 except use training level 3  
(essentially no working)

4/17 - SR3-1

revised

FP size: 5

cue height: 30

target distance: 30

FP radius: 75

target fixation radius: 125

pen width: 5

text size: 0

fixation req'd: 1

" to start: .25

" to cue time: .5-.75

cue time: 0

post cue fixation time: .15 .2-.275

time to hit target: 5

" " stay in target: .1

T.L.: 43 reward: .14

361/781 361/373/781

91% 46%

4/20 SR3

1) Barre reward: 0.15

FP rad: 75

target fix Rad: 125

text size: 0

fix req: 1

" to start: 0.25

" to cue time: 0.5-.75

cue time: 0

post cue fix time: 0.2-0.4

100% 76%

130/130/131

April 23 SR3-1

(\*) Reward = 0.14

FP size 5

cue height 30

target distance 30

Fix Radius 100

target fix rad 125

fix size after 5

target size 70

Fix Reg 1

Fix to start 0.5

Fix to cue time 0.25 0.25

Cue time 0.4

Post cue fix 0.25 0.25

time to hit target 0.6

time to stop 0.1

F.L. 3

53.1% 95%

390 / 408 / 732

Matt - please repeat today's  
values, but change Reward  
to 0.13.

drank 170cc water.

April 24

636 / 653 / 965  
66910 93.70%

200cc

active .6

April 27

same as previous except cue time = .6, reward = .12

- 1) 1.42%
2. 32% ~~6~~
3. 50%

2. 1.52%
2. 52%
3. 32%
4. 46%
5. 44%
6. 52%
7. 50% 96%

325 / 337 / 648

drank 100 cc.

April 28

May 4

reward = .14 SR 3-1

FP size 5

target distance 310

fix mid 100

target resp 125

pen width 5

text size 70

TL 3

fix resp. 1

" " to start .5

" " ac .25

" " .3

post " fix .25

time to hit target .6

" " stay .1

dB

44% 70%  
245 / 272 / 350 30 m

200

May 5

~~REB~~

Same as previous except

cue time = .6 < 100% so trials

cue time = 0.8

↳ interspersed a few TL 0 trials.

$\approx 10:1$  ratio

• SR 3-1

• Reward System [0.14]

Interleaved 5, 2000

Fix PT Rad 100

Tang PT Rad 125

Text size 70

Fix to Start Trial 0.5

Fix to Cue Time (min/max) 0.25 0.25

Cue Time 0.8

Post Cue 0.25 0.25

TL 3

91%, 53%

rel.  
ali  
→ ①

364 / 399 / 686

②

62 / 62 / 104

Date: May 6

Experiment: SPZ3

RTA value: 5

1. Previous 2. Monterey: Marty

3. Current Session: 01

4. Save:  n

FP size: 5

cue height 30

target height 30

" distance 310

FP radius 100

Target fix rad. 125

Pwidth 5

text size 70

Fix Reg'd 1

" to start .5

" to cue .25

" fine .8

postcue fix .25

time to hit target .6

" " stay " .1

reward: .13

TL: 3

interleave block size 200

Ratio ~~50:50~~ = 60:20

~10:1

10

0

1

2

3

4

5

6

7

Lvl 0 trials

01001111000010101

10:1

1) 180/197/256

2) Same settings

Lvl 0 trials

000011100010

40% 51%

2) 118/131/226

10:1

100%  
L

May 7  
SR 3-1

Blk value: 25

Marty  
Session 2  
Saved?

FP size 5  
" radius 100  
Target fix radius 125  
P width 5  
textsize 70

Fix to start .5  
" to cue .25  
cue time .8  
postcue fix .25  
time to hit target .6  
" " stay " .1

reward: 13 TL: 3 interleave block size: 2000

55% 76%  
604/795/1108

4:1 ratio

TL 3: TL Ø

Lvl. 0 Trials

10110101111110110011100110110010  
1111010101011100110001111101  
001011101101001010001111100  
101111110001110110010000  
0101000101061161011011100  
11111100001111101100011  
01001001011011110011000  
0001110111110100010011  
111001111101110011  
1111d1000010100010  
101101110101111001  
0001111101110000  
1101111010110101  
10000000110111  
00101111101100111  
00001111111001101001

May 12

Monkey: Marty  
Session: 3  
Save: 4

Task 3\_1

TL: 320

reward: 13

FP size: 5  
" rad: 100  
target fix rad: 125  
p width: 5  
text size: 70

Fix to start: .5  
" " cue: .25  
cue time: .8  
post cue fix: .25  
time to hit target: .6  
" " stay: .1

int. block size: 2000

1. 100% Lvl 3	18. 49% Lvl 0
2. 61% Lvl 0	19. 29%
3. 50% ↓	20. 32% ↓
4. 44% ↓	21. 59% ↓
5. first 4 off 38% Lvl 3	22. 37% ↓
total 39% Lvl 0	23. first 8 100% Lvl 3
6. 31%	total 59% Lvl 0
7. 40%	24. 56% ↓
8. 52%	25. 45% ↓
9. 43%	26. 38% ↓
10. 36%	27. 42% ↓
11. 37.5% off 26 ↓	28. 47% ↓
total 69% Lvl 3	
12. 69% Lvl 0	
13. 43%	90 mL
14. 41%	
15. 42%	
16. 37%	
17. 30%	

note: f to start 7.6  
wetline 7.0<sup>0.5</sup>  
peak w fix 7.3

May 13

Monkey: M

Save...  
Session: 14

Task 3-1

Tl: 0380

Reward: 13

FP size: 5

" rad: 100

target fix rad: 125

pen width: 5

text size: 75

fix req'd: 1

" to stat: .6

" to ac: .25

cue time: .9

post cue fix: .3

time to hit: .5

time to stay: .1

1. 100% Lvl 3

2. " ↓

3. 52% Lvl 0

4. 41%

5. computer error

restart\*

1. first 27 - 5/17: 100% Lvl 3

last rest: Lvl 0

2. 46%

↓

48 27

3. 35%

77/153/1285

4. 38%

5. 47%

6.

May 14

Monkey: M  
Save: ✓  
Session: 5

Task 3\_1

Tl: 320

Reward: .13

FP size: 5

" rad: 100

target fix rad: 125

pen width: 5

text size: 70

fix reg'd: 1

" to start: 6

" to cue: .25

cue time: .81

post cue fix: 3

time to hit: .5

time to stay: 1

Lv 10

1. 13/13/50 Lv 3

21. 46%



2. 20/20/50

22. 50%



3. 26/26/50

90% Lv 3



4. 13/13/26

72% Lv 0

140 mL total

, 10 from task

5. 34%

6. 50%

7. ~80% Lv 3

8. ~50% Lv 0

9. 60%

10. 33%

11. 61%

12. 90% Lv 3

13. 60% Lv 0

14. 41%

15. 56%

16. 60%

17. 56%

18. 24%

May 15

Monkey: M

Save: ✓

Session: 6

Task 3 - 1

TL: 320

Reward: 132

From yesterday

Changed from previous day:

reward: 132

reward: 13 → 12

fp rad: 100 → 90

1. 23/23/50 W/3

M. 44%

2. 21/21/30 ↓

18. 50%

7/15/20 W/0

19. 50%

3. 46/97/37/4 46/

20. 48%

4. 58%

5. 58% of 40

100% of 10 W/3

6. 47%

W/0

7. 53%

8. 57%

9. 53%

10. 42%

11. 65%

12. 50%

13. 33% of 10

100% of 10 W/3

14. 100% of 10

20/31 i.e. 65% W/0

15. 58%

16. 50%

May 18

Monkey: M

Save: 1

Session: 7

Task 3\_1

Tl: 300

int block size: 2000

reward: 115

← changed from previous day

FP size: 5

" rad: 90

target fix radles: 125

Pwidth: 5

textsize: 70

~~fix target:~~

fix to start: .7 ← A from previous day

fix to cue: .25

cue time: .1

post cue fix: .3

time to hit: .5

z: "stay": .1

1. 100% lvl 3

2. " "

3. 31% lvl 0

4. 68%

5. 13%

6. 47%

7. 41% 840

100% of lvl 3

8. 37% lvl 0

9. 53%

10. 55%

11. 44%

12. 46%

13. 57%

14. 51%

15. 52%

16. 65% of 43

100% of 7 lvl 3

17. 50%

18. 56%

19. 49%

20. 41%

21. 47%

70% lvl

53 37  
20/11/01/10/11

May 20

Monkey M

Save ✓

Session 8

Task 3 |

T.L.: 320

reward: 11 ← 1 from previous day

FP size: 5

FP rad: 90

target fix radius: 125

P width: 5

text size: 70

fix to start: .7

" to cue: .25

cue time: .1

post cue fix time: .3

time to hit: .5

" " stay: .1

1. 100% of ~~17 & 26~~ of LV 3  
60% " remainder LV 0

18. 13 of 15 @ LV 3  
14 of 21 LV 0

2. 55%

19. 59%

3. 59%

20. 42%

4. 53%

21. 56%

5. 61% of 43 ↓

22. 39%

6. 100% of 7 LV 3

23. 67%

6. 51% LV 0

24. 59%

7. 47%

25. 53%

8. 43%

26. 76%

9. 57%

57% 38%  
507/896 / 1350

10. 49%

60mL

11. 48%

12. 60%

13. 52% of 48 ↓

100% of 10 LV 3

14. 44%

15. 39%

16. 66%

17. 52%

May 21

Monkey: M  
Saves: 1  
session: 9

task: 3-1  
TL: 0v3

int. block size: 2000

reward: 1 Δ from previous

FP size: 5  
" rad: 90

target fix radius: 15  
pen width: 5  
text size: 70

fix to start: .7

" " cue: .25

cue time: 1

post cue fix: 3

time to hit: .5

" " stay: 1

1. 100% W/3

2. 100% ↓

3. 62% W/0

4. 55%

5. 62%

6. 30%

7. 76%

8. 69%

9. 66%

10. 62%

11. 81%

12. 82%

13. 83%

14. 69%

15. 68%

16. 87%

17. 27%

18. 9%

19. 10%

20. 7%

engaged  
9%

never  
escaped  
punishment  
on single  
side

56% 33%  
379/673/1150

100 mL

switched target \*

May 22

Monkey: M  
Savvy  
Session 10

Task: 3 /  
TL: 083  
reward: .1

FP size: 5  
" rad: 90  
target fix rad: 126  
pen width: 5  
text size: 70

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

1. 46%  
2. 60%  
3. 49%  
4. 41%

21. 43%  
22. 57%  
23. 37%

5. 20% ♀ engaged

8m: 80 mL

6. 32%

50% 31%

7. 82%

355/107/1150

8. 76% switched to

9. 58% ♀ to

10. 56%

11. 57%

12. 38%

13. 47%

14. 46%

15. 76%

16. 19%

17. 47%

18. 55%

19. 43%

20. 43%

May 26

Monkey M

Save

Session 11

task 3-1

1h. 053

rewarded

fontSize: 5

" red: 90

targetFix red: 120

pen width: 5

text size: 70

fix6 start: 7

" " cue: 25

\*cue time: 1

postcue fix: 3

time to hit: 5

" " stay: 1

1. 34%

2. 42%

3. 31%

4. 39%

5. 42% 8'

6. 27%

7. 39%

8. 46%

9. 38%

10. 39%

11. 24%

12. 41%

13. 33%

14. 32%

15. 21/22/28 or 41/3

8/18/32 WO

16. 43%

17. 47%

18. 47%

19. 34%

20. high success rate b/c lots of easy trials

21. 53% WO

22. 28%

23. 44%

24. 39%

25. 53%

26. 32% WO

27. 79% WO

28. 78% "

29. 32% WO

30. 48% WO

31. 48% WO

46% 32%

495/1084/1546

100 mL

May 27

Monkey: M

Save: Y

Session: #12

Task: 3-1

TL: 0.3

Reward: 1

FP size: 5

" rad: 90

target fix rad: 125

pen width: 5

text size: 70

Fix to start: .7

" " cue: .25

cue time: 1

post cue fix: .3

time to hit: .5

" " stay: .1

1.	12/12/120	W13	20.56%
2.	9/12/130	W10	21.56%
3.	47%		22.70%
4.	53%		23.54%
5.	55%		24.41%
6.	67%		25.10%
7.	58%		26.71%
8.	55%		27.46%
9.	55%		28.62%
10.	65%		29.65%
11.	71%		30.52%
12.	47%		38.6%
13.	54%		38.1%
14.	55%		601/1049 / 1515
15.	43%		57% 43%
16.	56%		40%
17.	60%		120 mL
18.	50%		
19.	62%		
20.	58%		

May 28

Monkey: M

Save: Y

Session: 13

Task: 3-1

TL: 0.3

reward: 1

FP size: 5

→ rad: 90

target rad: 125

pen width: 5

textsize: 70

Fix to start: 1

" " cue: 2.25

cue time: 1

post cue fix: 3

time to hit: 5

" " stay: 1

1	100%	W 3	20.44%
2	48%	W 0	21.68%
3	15%		22.58%
4	<del>22%</del>		23.39%
	45% of 40		24.56%
	100%	W 3	25. eye tracking problem
6	65%	W 0	
7	87%		
8	72%		100 mL
9	58%		62% / 40%
10	65%		482 / 72 / 1200
11	50%		
12	43%		
13	66%		
14	67%		
15	56%		
16	61%		
17	47%		
18	77%		
19	61%		

May 29

Monkey: M  
Save: y  
Session: 14

Task: 3\_1

TL: 0.3

Reward: 1

FP size: 5  
" rad: 90  
target rad: 15  
pen width: 5  
text size: 90

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

1. 100% w/ 3
  2. 50% w/ 0
  3. 54%
  4. 57%
  5. 70%
  6. 45%
  7. 54%
  8. 54%
  9. 54%
  10. 49%
  11. 45%
  12. 46%
  13. 42%
  14. 56%
  15. 46%
  16. 62%
  17. 47%
  18. 44%
  19. 51%
  20. 54%
- 53% 38%  
396 / 741 / 1046

## Scene 1

Monkey.M

Save Y

Session.15

task.31

TL.003

reward.1 - 2.1 ramped

FP size.5

" rad.90

target 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

- |               |               |
|---------------|---------------|
| 1. 100% = 113 | 21.53%        |
| 2. 64% = 110  | 22.42%        |
| 3. 56%        | 23.48%        |
| 4. 66%        | 24.50%        |
| 5. 65%        | 25.59%        |
| 6. 46%        | 26.65%        |
| 7. 55%        |               |
| 8. 60%        |               |
| 9. 65%        | 56% 40%       |
| 10. 39%       | 521/1932 (31) |
| 11. 49%       |               |
| 12. 56%       | 110 mL        |
| 13. 58%       |               |
| 14. 63%       |               |
| 15. 32%       |               |
| 16. 50%       |               |
| 17. 52%       |               |
| 18. 55%       |               |
| 19. 63%       |               |
| 20. 65%       |               |

ramp!

June 2

Monkey: M

Save: y

Session: 16

Task: 3-1

TL: 0.3

reward: 1  $\approx$  2.1 ramped

FP size: 5

" rad: 90

target 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

- |     |          |             |
|-----|----------|-------------|
| 1.  | 100% W/3 | 21.46%      |
| 2.  | ~ i/13/0 | 22.60%      |
| 3.  | 67% W/0  |             |
| 4.  | 64%      |             |
| 5.  | 58%      | 65% 40%     |
| 6.  | 69%      | 464/719/166 |
| 7.  | 67%      |             |
| 8.  | 70%      | 720 N       |
| 9.  | 59%      |             |
| 10. | 71%      |             |
| 11. | 71%      |             |
| 12. | 73%      |             |
| 13. | 63%      |             |
| 14. | 58%      |             |
| 15. | 60%      |             |
| 16. | 65%      |             |
| 17. | 81%      |             |
| 18. | 59%      |             |
| 19. | 70%      |             |
| 20. | 45%      |             |

### Tree 3

Monkey: M

Save: Y

Session: 17

Task: 3\_1

TL: 0.23

reward: .1 2.1 ramped

FP size: 5

" rad: 90

target fix rad: 125

pen width: 5

text size: 90

Fix to start: 7

" " we: 25

we time: 1

post cue fix: 3

1. 99% W3

2. 85% W3/M10

3. 63%

4. 78%

5. 82%

6. 87%

7. 88%

8. 98%

9. 90%

10. 76%

11. 72%

12. 61%

13. 54%

14. 86%

15. 71%

16. 69%

17. 66%

18. 76%

19. 56%

20. 59%

21. ~~66~~ 61%

22. 69%

23. 64%

24. 66%

25. eye tracking problem  
recalibrated

1. 48%

2. 59%

3. 68%

4. 32%

5.

200 mL

Cue 4

Monkey: M

Savvy

Session: 18

Task: SP3-1

TL: 0.5s

reward: 1 ramped x 2.1

EP size: 5

" rad: 90

targ fix rad: 125

pen width: 5

textsize: 90

fix to start: 7

" " cue: 25

cue time: 1

post cue fix: 3

1.	80%	W/3 L/0	21.60%
2.	50%	W/0 L/0	22.75%
3.	46%		23.64%
4.	62%		24.74%
5.	51%		25.64%
6.	50%		26.63%
7.	59%		27.59%
8.	42%		28.50%
9.	74%		
10.	68%		200 mL
11.	70%		63% 47%
12.	83%		675/1069/1427
13.	67%		
14.	62%		<del>300</del> mL
15.	65%		200
16.	72%		
17.	70%		
18.	71%		
19.	62%		
20.	63%		

accidentally started prematurely, thus extra file

June 5

KP  
2025

Monkey: M

Savvy

Session: 19

Task: SF3-1

Th: 023

Reward: 1 ramped x 2.1

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

time to hit: 5

" " stay: 15 Δ from previous

1. 73% (vl) 360

2. 40% (vl) 0

3. 27%

4. 32%

5. 55%

6. 42%

7. 26%

8. lost calibration, unable to save data

paused  
for behavioral

1. lost " " " " "

1. 62%

11. 65%

2. 77%

12. 84%

3. 67%

13. 82%

4. 79%

14. 81%

5. 76%

190 ml

6. 82%

79% 58%

7. 87%

40g / 524 / 70g

8. 84%

9. 69%

10. 74%

\* started w/ ditched reward system, thus (st file is  
empty/reless)

June 8

Monkey: M

Savely

Session: 20

Task: SP3-1

Tl: 0.23

Reward: Dimped x 21

FP size: 5

" rad: 90

larg fix rad: 125

pen width: 5

text size: 70

fix to start: 7

" " cue: 25

cue time: 1

post cue fix: 3

time to hit: 5

" " stay: 2 Δ from previous

1.	95% w/3	21. 72%
2.	81% w/0	22. 79%
3.	76%	23. 84%
4.	60%	24. 72%
5.	65%	25. 68%
6.	81%	26. 74%
7.	60%	27. 76%
8.	76%	28. 74%
9.	63%	29. 93%
10.	71%	30. 66%
11.	70%	31. 58%
12.	74%	
13.	68%	73% 55%
14.	77%	872 / 1195 / 1582
15.	77%	
16.	73%	300 ml
17.	77%	
18.	79%	
19.	62%	
20.	74%	

changes not saved for session & name, thus  
file is in Jerry Lee  
names. ~~zz~~ sba3-1-j.041-00.edf  
.plant

Five 10  
Monkey M  
Savoy  
Session 21

Tack S-R 3-1

Tl: 0.93

reward, 1x21 ramped

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

fix to start: 7  
" " cue: 25  
cue time: 1  
post cue fix: 3  
time to hit: 5  
" " stay: 2

1.	86%	W1320	21.54%	44% 36%
2.	31%	W10	22.44%	129/1655/2000
3.	33%		23.47%	
4.	41%		24.48%	
5.	33%		25.37%	2000 NL
6.	36%		26.48%	
7.	35%		27.39%	
8.	42%		28.43%	
9.	37%		29.56%	
10.	52%		30.56%	
11.	39%		31.44%	
12.	43%		32.44%	
13.	50%		33.37%	
14.	44%		34.49%	
15.	36%		35.39%	
16.	43%		36.47%	
17.	35%		37.48%	
18.	44%		38.34%	
19.	35%		39.54%	
20.	48%		40.62%	

2 files  
ignore 1<sup>st</sup> file - reward problem

June 12

Monkey M

Save: Y  
Session: 22

Task: SR3-1

T.L. 0.83

reward: 1 x 2.1 ramped

FP size: 5

" rad: 90

target fix rad: 125

pen width: 5

text size: 70

fix to start: 7

" " cue: 25

cue time: 1

postcue fix: 3

time to hit: 5

" " stay: 2

1.	86% 92% 0 61 30 0	21.78%	
2.	89% 0 61 0	22.88%	
3.	77%	23.88%	
4.	85%	24.86%	941/1981/1900 79% 55%
5.	78%	25.84%	
6.	83%	26.82%	250 mL
7.	90%	27.81%	
8.	91%	28.72%	
9.	85%	29.76%	
10.	96%	30.89%	← switch!
11.	83%	31.44%	
12.	79%	32.56%	
13.	84%	33.	
14.	82%	34.75%	
15.	76%	35.61%	
16.	86%	36.67%	
17.	81%	37.58%	
18.	92%	38.83%	
19.	64%		
20.	84%		

June 15

Monkey/M  
Savvy,  
Session 23

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

Task: SR3-1  
T.L.: 0.3  
reward: 1x2.1 ramped

fix to start: .7  
" " cue: .25  
cue time: 1  
postcue fix time: .3  
time to hit: .5  
" " stay: .2

1.	80%	lul	320	21.	29%	
2.	80%	lul	0	22.	42%	
3.	91%			23.	47%	
4.	80%			24.	41%	743 / 1628 / 1832
5.	89%			25.	30%	
6.	36%			26.	46%	
7.	52%	lul	320	27.	41%	
8.	78%	l		28.	46%	
9.	35%	W	0	29.	52%	
10.	24%			30.	44%	
11.	24%			31.	47%	
12.	29%			32.	54%	
13.	22%			33.	43%	
14.	21%			34.	49%	
15.	32%			35.	53%	
16.	28%			36.	44%	
17.	41%			37.	40%	
18.	29%					
19.	34%					
20.	43%					

Line 16

Monkey: M

Sess: 4

Session: 24

Task: SF3 |

TL: 0.83

reward: 1x2, 1 ramped

FP size: 5

" rad: 90

tang fix rad: 125

pen width: 5

text size: 70

Fix to start: 7

Fix to cue: .25

cue line: 1

post cue fix line: 3

time to hit: .5

" " stay: .25 Δ from previous

1. 77% W 380

21. 54%

2. 41% W 0

22. 54%

200 mL

3. 42%

23. 43%

4. 40%

24. 61%

5. 45%

25. 50%

6. 36%

26. 50%

7. 47%

27. 66%

8. 55%

28. 50%

9. 37%

29. 61%

10. 49%

30. 44%

11. 60%

12. 49%

13. 60%

14. 60%

15. 49%

16. 62%

17. 63%

18. 50%

19. 53%

20. 48%

~~Ignore first file - second error~~  
Ignore final file - error from later exp

June 17

Monkey: M

Save: 1

Session: 23

Task: SR 3\_1

TL: 0.23

reward: 1 \* 2.1 ramped

FP size: 5

" rad: 90

target fix rad: 125

penz width: 5

text size: 70

fix to start: 7

" " cue: 125

cue time: 1

post cue fix time: 3

time to hit: 5

" " stay: 275 Δ from prev

1.	97% (v) 3	21.62%
2.	47% (v) 3 & 0	22.55%
only 3	8.3% (v) 0	23.53%
bordered 4	0%	24.39%
left	65% (v) 0 & 3	25.43%
5.	0% (v) 0, *	26.47%
switch 7	45%	27.40%
8.	52%	28.44%
9.	54%	29.61%
10.	58%	30.
11.	66%	
12.	67%	
13.	62%	
14.	52%	200mL
15.	58%	
16.	50%	
17.	67%	
18.	63%	
19.	63%	
20.	58%	

Ignore 1<sup>st</sup> file - reward error

Sigmoid test

reward 0.1 : 57 trials = 10 cc } 60 trials  
121 trials : 20 cc } = 10 cc

reward 0.2 : 37 trials = 10 cc  
77 trials 20 cc

at 0.1 ~~600~~ trials = 100 cc

at 0.2 600 trials ≈ 160 cc

→ reward range ~~is~~ : try 0.8 w/ 2x range

line 18

Monkey: M

Savory

Session: 26

Task: SR 3-1

TL: 0.83

reward: .07 x 2.1 ramped

FP size: 5

" rad: 90

long fix rad: 125

pen width: 5

text size: 70

fix to start: 7

" " cue: 25

cue time: 1

postcue fix time: 3

time to hit: 5

time to stay: 3 & from prev

1.	96%	lul 3 sec	21. 73%
2.	65%	lul 0 <sup>present</sup> BV <sub>81</sub>	22. 58%
3.	74%	<sup>missed</sup> RT	23. 56%
4.	73%		24. 70%
5.	72%		25. 61%
6.	71%		26. 56%
7.	69%		27. 64%
8.	58%		28. 72%
9.	64%		29. 54%
10.	54%		30. 59%
11.	61%		31. 50%
12.	46%		32. 55%
13.	50%		33. 55%
14.	51%		
15.	58%		62% 51%
16.	61%		840 / 1359 / 1652
17.	54%		
18.	67%		
19.	73%		
20.	52%		180 mL ← too much!

attempt:  
\* Line Exited after 2nd block for ↓ reward, ↑ time to stay

attempt : reward problem

thus 1st 2 files are ~~as~~ junk

June 22

Monkey: M

Save: Y

Session: 27

Task: SR 3.1

TL: 0.83

reward: 0.6 x 2.1 ramped Δ from pre

FP size: 5

" rad: 90

target fix rad: 125

pen width: 5

text size: 70

fix to start: .7

" " cue: .28

cue time: 1

post cue fix: .3

time to hit: .5

" " stay: .3

near reverse of  
previous

1. 27% WLO BR RY

21. 45%

52% 40%  
8/19/18/2000

2. 35%

22. 59%

170 mL

3. 22%

23. 59%

4. 38%

24. 54%

5. 44%

25. 78%

6. 60%

26. 61%

7. 40%

27. 54%

8. 55%

28. 54%

9. 51%

29. 44%

10. 53%

30. 53%

11. 44%

31. 53%

12. 63%

32. 50%

13. 51%

33.

14. 74%

34. 40%

15. 57%

35. 61%

16. 62%

36. 55%

17. 53%

37. 62%

18. 54%

38. 62%

19. 73%

39. 38%

20. 65%

40.

Ignore all files except for bst  
- code error - had to boot back-up

June 23

B Pt. 1

Monkey: M  
Sue: Y  
Session: 28

Task: SR 3\_1

IL: 0.83

reward: .05s x 2.1 ramped Δ from prev

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

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

1. 71% Lv13s0 RT GP
2. 51% Lv0
3. 58%
4. 53%
5. 46%

-quit to change parameters

Pl. 2

Charged.

reward → .075, no ramp  
time to stay → .2

- |                       |         |
|-----------------------|---------|
| 1. 52% W/O BT         | 1. 60%  |
| 2. 77% G →            | 2. 48%  |
| 3. 80%                | 3. 43%  |
| 4. 84%                | 4. 54%  |
| 5. 88%                | 5. 61%  |
| 6. 88%                | 6. 60%  |
| 7. 88%                | 7. 39%  |
| 8. 88% <del>GRR</del> | 8. 48%  |
| 9. 83% <del>GRR</del> | 9. 34%  |
| 10. 54% G > RR        | 10. 67% |
| 11. 56%               | 11. 29% |
| 12. 62%               |         |
| 13. 59%               |         |
| 14. 52%               |         |
| 15. 48%               |         |
| 16. 71%               | 16 mL   |
| 17. 66%               |         |
| 18. 56%               |         |
| 19. 62%               |         |
| 20. 55%               |         |
| 21. 56%               |         |
| 22. 56%               |         |
| 23. 50%               |         |
| 24. 34%               |         |

25. non-liberated or non-restricted

June 24

Monkey: M

Save: y

Session: 269

Task: SR3-1

TL: 0.23

reward: 0.75

FP size: 5

" rad: 90

long fix rad: 125

& open width: 5

text size: 70

fix to start: 1

" " cue: .25

cue time: 1

postcue fix time: .3

time to hit: .5

" " stay: .2

1. 89% l/l 3 > 0 B/G?

2. 74% l/l 0

22. 34%

3. 77%

23. 53%

4. 85%

24.

5. 83%

25. 46%

6. 83%

27. 46%

7. 91%

28. 48%

8. 97%

29. 44%

9. 88%

30. 49%

10. 78%

31. 30%

11. 84%

32. 38%

12. 71%

33. 39%

13. 70%

34. 48%

14. 72%

35. 35%

switch is 5. 71%

36. 50%

T 16. 36% B > G t

37. 45%

17. 28%

38. 45%

18. 21%

39. 45%

19. 26%

40. 45%

20. 25%

41. 45%

21. 36%

42. 45%

307/1293 (180%)

58% 45%

100mL

#29

First trial from tomorrow started as 29 - thus ignore file created on June 29

Tree 25

Monkey: M.

Save: 1,

Session: 30

Task: SR 3\_1

TL: 0, 3

reward: 0.72 (from prev)

FP size: 5

" rad: 90

target fix rad: 125

pen width: 5

textsize: 70

fix to start: 7

" " cue: 1.25

cue time: 1

post cue fix: .3

time to hit: .5

" " stay: .2

1. 67% w/ 320 B → C ←

2. 26% w/ 0

3. 27%

4. 28%

5. 38%

6. 32%

7. 34%

8. 53%

9. 38%

10. 54%

11. 58%

12. 44%

13.

14. only looking

right

15.

16.

17.

18. a restarted

Pt. 2

charged; reward  $\rightarrow$  0.75 annulus size  $\rightarrow$  10

1. & G R R  $\Rightarrow$

60% 490/  
493 / 818 / 1004

100 mL

ignore last file for session 30 (created @ 12:45pm)

June 26

Monkey: M  
Save: 4  
Session: 31

Jack: SR3-1  
TL: 083  
reward: .075

FP size: 5  
" rad: 90  
tiny fix rad: 125  
pen width: 5  
textsize: 70

fix to start: 7  
" " cue: 25  
cue time: 1  
post cue fin: 3  
time to hit: 5  
time to stay: 2

22. 89%

23. 68%

24. 45%

25. 56%

26. 64%

27. 50%

28. 68%

29. 64%

30. 69%

100 mL

31. 52% 801/1303 (14.88)

32. 34% 58% 40%

33. 39%

34. 28%

35. 63%

36.

6.

7. 71%

8. 67%

9. 65%

10.

11. 66%

12. 59%

13. 77%

14. 63%

15. 62%

16. 57%

17. 62%

18. 50%

19. 46%

20. 68%

21. 67%

July 6 - (1<sup>st</sup> day back post sx) Block C

Monkey: 'm'

Task: SR3-1, SR3-1 (mapping)

Session: 32

Save γ - no did

not record file

Reward: 0.075 (♂ campi)

FP size 5

" rad: 90

by accident. fix to start: 7

" " cue: 25

target fix rad: 125

pen size = 5 → text size 70

cue time: 1

post cue fix: 3

Field Mapping

time to h.t.: .5

time to stay: .2

block 1

trial 1-50 ↡

210 trials done ~100%

block 2

trial 51-100 ↡

perform

block 3

trial 101-150 ↡

block 4

160 - 210 ↡

← green	1. 41%	15 82%
blue	2. 69%	16 74%
	3. 56%	17 82%
	4. 62.5%	18 75.6%
	5. 82%	19 76%
	6. 75%	20 74%
	7. 74%	21 67%
	8. 81%	22 82%
	9. 81%	23 73%
	10. 70%	total (74% 82%)
	11. 86%	726 / 980 / 1170
	12. 78%	
	13. 79%	
	14. 86%	

BLOCK C:  
jiver artifact present in all channels

1-4 unsure if spikes

6 b

8 b

9 c

10 a ( $\times 2$ )

11 c

12 c (

13 c

14 c

15 c

16 a ( $\times 2$ )

17 b

18 b

19 unsure

21 c

22 unsure

23 c

28 b

24 b

30 a ( $\times 2$ )

?

July 7 Array: dCPFC Block A

Monkey M

Session 33, 34

Save ✓

1<sup>st</sup> trial garbage

2<sup>nd</sup> one stopped

task: FM, 3<sup>rd</sup> one garbage

reward: 0.075 (♂ rumping)

FP size 5

" rad 90

tay fix rad 125

pen size 5

text size 40

fix to start: .7

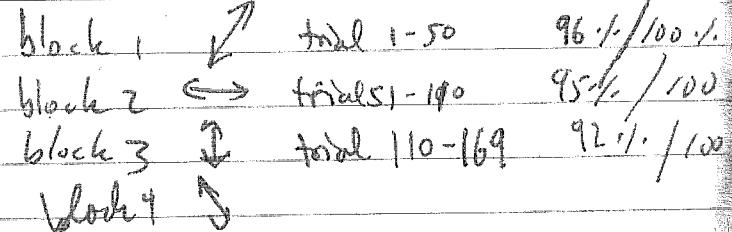
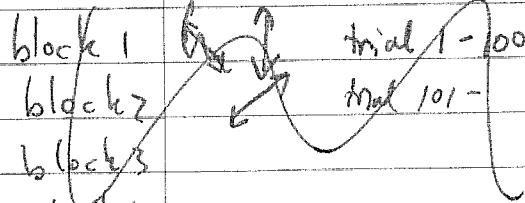
" " cue: .25

cue time: 1.0

post cue fix: .3

time to hit: .5

time to stay: .2



g <sup>7</sup> r✓	1. 51%	13 38%	pause & reablate
2. 43%	14 50%		
3. 37%	15	55%	
4. 45%	16	58%	
5. 55%	17	67%	
6. 60%	18	57%	
7. 32%	19	38%	48%
8. 41%			
9. 41.6%			
10. 44.7%			
11. 35.9%			
12. 33%			
Overall 363 / 762 / 948			

5c

8d

9a (x2)

11a

13b

14a (x3)

15d

16d

18b

19a (x2)

20b

25d

28c

29b

30a

32d

{ check 607, 608, 609 / timing } |

July 8

Array: dLPFC Block 13

Monkey: M

Session: 35

Sav. Y

Task: SR3 |

Tl: 0(exp) & 3(map)

reward: .075

FP size: 5

" rad: 10

target fix rad: 125

per ~~width~~: 5

text ~~width~~: 40

fszie

Fixtostart: 7

" " cue: 25

cue time: 1

post cue fix: 3

time to hit: 5

" " stay: 2

Field Mapping,  
blocks trials direction

1-2 11 12 13 14 15  
2 3 3 3 3 3 horiz ↗

120° ↘

1-2 1-5 left ↙

136/148/153

65% 2, 0%

2-3 6-13 horiz ↗

3-4 14-14 diag ↗

4-5 15-31 diag ↗

Exp

1. 39% 61% 12. 65% 23. 60%

2. 28% 13. 85% 24. 80%

3. 58% 14. 65% 25. 78%

4. 47% 15. 81% 26. 84%

5. 118% 16. 70% 27. 81%

6. 49% 17. 79% 28. 68%

7. 53% 18. 74% 29. 55%

8. 76% 19. 65% 30. 74%

9. 77% 20. 84% 31. 82%

10. 64% 21. 75% 32.

11. 67% 22. 76%

at the  
end  
of the  
exp

1st file = garbage

2nd trial - quit early due to ground  
error

5b

7b

8b - +4 needs offline sorting.

12a

13a

14a

17c

18c

19a

20c

21c

22d

23a ( $\times 2$ ) ← extremely good - needs offline sorting though

25a

26a ( $\times 2$ ) ← extremely good

27a

30a

32c

Files saved:

MATLAB.y

Cyberkinetics.y

# WATCH

July 9 dLPFC array Block C

data invalid  
after

Monkey: M

Session: 36

Sane: y

Task: FM, SRG | 1191

TL: 3 (FM) 0 (exp)

reward: 0.75

FP size: 15

" radi: 90

target fix radi: 125

pen w

text: 18

pen size: 40

fix to start: .7

" " cue: .25

cue time: 1

postcue fix: .3

time to hit: .5

" " stay: .2

## Field Mapping

blocks trials direction

1 1-50 vest ↓

2 3-49 diag ↑

3-4 5-17 diag ↑

4-5 22-28 horiz ↔

← accidental

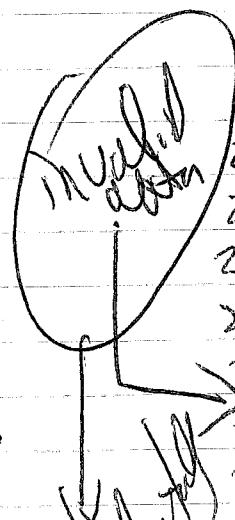
recalibration

thus 2 files

for FM

Training level 2  
(automatic reward)

Exp			
1.	50% G → R↑	15. 74%	30. 100%
2.	53%	16. 78%	31. 100%
3.	34%	17. 72%	32 100%
4.	45%	18. 81%	33 100%
5.	45%	19. 70%	34
6.	65%	20. 85%	
7.	38%	21. 73%	
8.	41%	22. 71%	
9.	74%	23. 83%	
10.	45%	24. 74%	
11.	64%	25. 100%	
12.	73%	26. 100%	
13.	64%	27. 100%	
14.	74%	28. 100%	
	hit training	29. 100%	
	level 2	30. 100%	



accidental  
hit training

# WATCH

alex

ignore final file set  
- forget name/session  $\Delta$  ~~for~~ JL

1. B

3 B

4 Zunits

5. 3 units

6. C

7. B

8. B

10. B

11 Zunits?

13. A

15 B

16 C

17 B

18 B

20 t

21 Zunits

22 B

24. C

25 8 B

26 B

27 B

28 A

29 C

30 Zunits

31 A

32 A

MATLAB files saved,  
but Array ~~not~~ files not found

# July 10 dLFC Block A

Monkey: M

Session: 37

Save: Y

Task: SR3\_1

TL: 3 (FM) 0 (exp)

Reward: .075

FP size: 5

" " rad: 125

targ fix rad: 125

#open 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, trial, direction

1-3 1-8 front ↓

2-3 9-12 diag ↗

3-4 21-24 diag ↘

4-6 36-7 back ← 15.84%

Exp 16.77%

1. 44% BLG ↑ 17.86%

2. 51% 18.82%

3. 63% 19.84%

4. 64% 20.78%

5. 76% 21.63%

6. 79% 22.86%

7. 79% 23.68%

8. 78% 24.64%

9. 86% 25.63%

10. 81% getting slow, lazy

11. 89%

12. 79% 8/11/06/1256

13. 86% (76% 61%)

14. ~~89%~~ 96% 110 ~~100~~ ml

~~8/10/2010~~

try params:  
missdelay  
= 2

1. 2 units

3. B

6 A

7 B

8 3 units

9. 2 units

10. "

11. B

13. BA

15. B

16. C

17. B

18. B

20. A

21. B

22. C

24. A

25. C

26. 2 units

27. A 2 units

28. 2 units

30. "

32. "

all files saved

# July 11 dLPC Block B

Monkey: M

Session: 39

Savely

Task: SR3-1

TL: 3 (FM) 0 (exp)

reward: .075

FP size: 5

" rad: 120

ang fix rad: 25

pen width: 5

textsize: 40

Fix to start: 1

" " cue: 25

cue time: 1

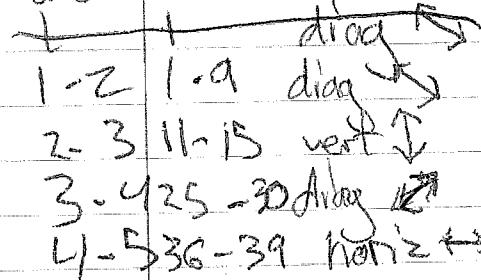
post cue fix: 3

time to hit: 5

" " stay: 2

## Field Mapping

blocks trials direction



Exp	14.86%	20.80%
1. 51% R↑B↓	15.98%	29 86%
2. 79%	16.88%	30, 89%
3. 77%	17.80%	31. 90% Sept 20 <sup>trial</sup>
4. 83%	18.89%	32. 85%
5. 90%	19.85%	33. 77%
6. 79%	20.87%	34. 79%
7. 84%	21.85%	35. 92%
8. 86%	22.76%	
9. 84%	23.83%	
10. 94%	24.86%	1301 / 1567 (17%)
11. 81%	25.91%	(83%) 74%
12. 87%	26.79%	200 mL
13. 83%	27.79%	

MATLAB

recording error - 1st files: garbage  
cerebus didn't record

1. C

4. A

5. B

~~7~~ 7. A

14. B

15. B

22. 2 units

12. ~~B~~ C

23. B

25. 2 units

27. B

29. A

30. C

all files saved

# July 12 dLPFC Block C

Monkey: M

Session: 39

Save: y

Task: SR3-1, FM

TL: 3(FM), 0(CSR3-1)

Reward: 1065 Δ from prev

FP size: 5

" rad: 90

targ fix rad: 125

perfwidth: 5

textsize: 40

fix to start: 7

" " cue: 25

cue time: 1

post cue fix: 3

time to hit: 5

" " stay: 2

## Field Mapping

blocks, trials, direction

1-4 L-C R horiz ↪

1-2 46-36 diag ↑

2-3 38-34 vert ↓

3-4 38-34 diag ↓

Exp	5. 75%	30.56%
1. 42% RTG ↓	recalibrated after trial 16, 68%	31.56%
2. 50%	17.74%	
3. 55%	18.48%	
4. 60%	19.16%	
5. 71%	20.76%	77/178 / 1565
6. 65%	21.63%	
7. 71%	22.82%	( <del>64%</del> ) 46%
8. 70%	23.63%	
9. 71%	24.69%	100 NL
10. 68%	25.64%	
11. 67%	26.52%	
12. 55%	27.53%	
13. 57%	28.69%	
14. 67%	29.56%	

all files accounted  
for

3 B

5 3 units

8 B

9 2 units

11 B

12 2 units

13 B A

17 C

18 B

19 B

22 A

24 A

26 B

28 2 units

29 C

30 A

31 A

32 2 units

# July 13 dlPFC Block A

Monkey: M  
Session: 40  
Save: Y

Task: SR31, FM  
TL: 3 (FM) 0 (SR3-1)  
reward: .06 ↓ from prev

FP size:

fix to start: 7

FP rad: 90

cue: .25

target fix rad: 125

cue time:

pen width: 5

postcue fix: 3

text size: 40

time to hit: 5

Ex

Field Mapping

blocks trials direction

1-2 1-15 horiz ↗

2-3 7-19 diag ↘

3-4 13-22 vert ↑

4-5 26-28 diag ↙

Exp

1. 48% RTG ↓ 15. 77%

2. 54% 16. 63%

3. 76% 17. 68%

4. 67% 18. 76%

5. 50% 19. 63%

6. 63% 20. 67%

7. 54% 21. 72%

8. 50% 22. 60%

9. 74% 23. 73%

10. 61% 24. 55%

11. 68% 25. 91%

12. 70% 26. 58%

13. 63% 27. 71%

14. 57% 28. ended-fired/bay

724/1116/1380

+ 65% 52%

100mL

1<sup>st</sup> set of ~~scratches~~ files = garbage

1. C

3. B

4. D

8. 2 units

9. "

10. "

11. A

12. B

13. B

14. C

18. A

19. B

17. D

20. 2 units

24. B

26. B

28. 2 units

29. B

30. B

31. B

32. B

all files accounted for

July 14 dLPEC Block B

(1 one)

Monkey: M

Server: 4

Save: 4

Task: FM, SR3-1

TL: 3, 0

Reward: 0.06 ← Manually turned to 0.07  
at block 8

FP rad: 90

fix to start: 7

tang fix rad: 125

" " cue: 0.25

pen width: 5

cue time: 1

text size: 40

post cue fix: 0.3

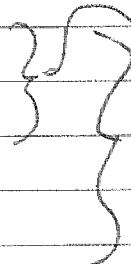
time to h-t: 0.5

time to stay: 0.2

blocks F-Mapping trials due to

1-2 1-25

↔



φ reward given (juice blocked)

2-3 27-50

↑

4-5 1-32

↑

5-7 36-3

↓

4 R↓GT — 1st one bad

1 63% G < B →

13

25 70%

2 66%

14 64%

26 65.7%

3 83%

15 80%

4 76%

16 74%

Overall

5 61%

17 74%

6 65%

18 54.1%

582/876/123

7 72%

19 45%

66% 46%

8 77%

20 47%

9 81%

21 22%

90 ml 10 m

10 78%

22 66%

giv

11 68%

23 79%

a

12

24 71%

M. Sacks

4a

5a

9a

13a

14a

15c

17b

18a

19b

21a

23a ← mixed v trial 16?

24c

25a

32b

July 15 dlPFC Block B C

Monkey: M  
Session: 42  
Save: Y

Task: FM, SR3-1  
TL: 3(FM), 0(SR3-1)  
reward: 0.55x1.5 ramped

FP rad: 10  
target fix rad: 125  
pen width: 5  
text size: 40

Fix to start: .7  
Fix to cue: .25  
cue time: .1  
post cue fix: .3  
time to hit: .5  
" " stay: .2

### FM

blocks trials direction  
1-50 drag ↗

2-3 1-20 horiz ↔

(Quite restarted to A code slightly)

1-22 1-11 drag ↗

2-3 18-21 vert ↗

Exp G → B ↗

1. 37% R ~~←~~ ↑

2. 29% opposite of

3. 34% previous

4. 32% 15. 44%

5. 38% 16. 51%

6. 41% 17. 29%

7. 41% 18. 50%

8. 35% 19. 37%

9. 50% 20. 62%

10. 42% 21. 41%

11. 30% 22. 48%

12. 33% 23. 49%

13. 43% 24. 67%

14. 34% 25. 67%

100 ml

733/1503 / 2000

49% 37%

26. 45%

27. 59%

28. 74%

29. 58%

30. 64%

31. 61%

32. 74%

33. 55%

34. 52%

35. 61%

36. 62%

37. 65%

38. 53%

39. 56%

40. 41%

8 1<sup>st</sup>, 2<sup>nd</sup> & last files only

5. B
6. C
7. 2 units
8. B
9. A
10. C
11. C
12. A
14. 2 units?
16. C
18. A
19. 2 units?
20. S
22. S
24. 2 units?
25. B
26. B
28. 2 units?
29. C
30. A
31. B
32. 2 units?

# July 16 dLPFC Block A

Monkey: M  
Session: 43  
Suey

Task: FM, SR3-1  
Thi 3(FM) OC(exp)  
reward: 0.5x1.5 ramped

FP rad: 90°  
long fix rad: 125°  
pen width: 5  
text size: 40  
KPA

Fix to start: .7  
" " cue: .25  
cue time: 1  
post cue fix: .3  
time to hit: .5  
" " stay: .2

## FM

blocks trials direction  
1-2 1-16 diag ↗  
2-5 20-30 horiz ←  
5-6 36-22 vert ↓  
6-7 28-22 diag ↘

## Exp

- |              |             |
|--------------|-------------|
| 1. 76% G > R | 16. 61%     |
| 2. 90%       | 17. 46%     |
| 3. 76%       | 18. 62%     |
| 4. 79%       | 19. 80% 14% |
| 5. 62%       | 20. 80%     |
| 6. 55%       | 21. 50%     |

drowsy 7. 62%

only looking 8. 23% recalibrated around 20%

12

→ 9. 48%

10. 52%

11. 22%

12. 58%

13. 47%

14. 16%

15. 58%

107 / 172 / 1088

55% 37%

80 ml

Ignore 2 small files  
: 2<sup>nd</sup> & 3<sup>rd</sup> to last

- 2. C
- 7. B
- 8. B
- 9. A
- 10. B/C
- 11. B
- 13. A
- 14. 2 units
- 15. B
- 16. 2 units
- 17. B/C
- 19. B/B
- 21. B
- 23. C
- 26. 2 units
- 25. A
- 26. A
- 27. C
- 28. 2 units
- 29. B
- 30. A
- 31. C

# July 17 dLPFC Block B

Monkey.M  
Session 423  
Sane, Y

Task: FM SR31  
TL: 3(LFM) 0(SR3-1)  
reward: 0.5x1.5 ramped

FP radius: 90  
tang fix rad: 125  
pen width: 5  
text size: 40

Fix to start: 1  
" " ac: 25  
ac time: 1  
postac fix: 3  
line to hit: 5  
" " stay: 2

## FM

blocks trials direction  
 1 1-47 diag ↗  
 1-2 48-59 horiz ←  
 2-3 60-79 vert ↓  
 3-4 80-96 diag ↘

## Exp

			90 mL
1.	48% GFB	16. 76%	522/1014 (450)
2.	66%	17. 40%	50% 26%
3.	64%	18. 57%	
4.	51% looking	19. 50%	
5.	41% ↓ only	20. 51%	
6.	68% red	21. 36%	
7.	65%	22. 13%	
8.	52%	23. 43%	
9.	61%	24. 38%	
10.	67%	25. 35%	
11.	52%	26. 37%	
12.	54%	27. 27%	
13.	73%	28. 20%	
14.	62%	29. 35%	
15.	54%		

2. C  
3. B  
4. B  
5. 2 units  
7. 2 units  
12. B  
13. A  
14. B  
15. B  
16. B  
18. B  
21. B  
22. C  
23. A  
24. B  
25. B  
27. A  
29. A  
31. 2 units

July 18 dlPFC Block C

Monkey: M  
Session: 45  
Savely

Task: FM; SR3-1

TL: 3(FM) 0(SR3-1)

Reward: .05x1.5 ramped

FP radius: .90  
ring fix rad: 123  
& 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

FM

blocks trials direction

- 1-4 1-40 diag ↗
- 1-2 41-32 diag ↘
- 2-3 38-31 horiz ←
- 3-4 41-40 vert ↑

Exp ← opposite of previous

1.	46%	(B1G1)	16.34%	31.9%
2.	35%		17.25%	32.38%
3.	27%		18.22%	33.43%
tired 4.	29%		19.36%	34.56%
5.	28%		20.36%	35.26%
6.	0%		21.35%	36.62%
7.	49%		22.38%	37.55%
8.	9%		23.29%	38.37%
9.	26%		24.46%	39.44%
10.	16%		25.21%	40.50%
paused trial 29	11. 15%		26.30%	
	12. 18%		27.17%	80 mL
	13. 31%		28.35%	31.5%
	14. 41%		29.41%	
	15. 27%		30.50%	

1. B
2. B
3. C
5. GBC
6. B
8. B
9. BB
10. B
11. 2 units
13. 3 units
17. A
18. B
19. C
20. D
22. A
23. C
24. 2 units
26. B
27. 2 units
28. 11
30. 11
32. 11

July 19 dLPFC Block A

\* files 'replaced' (deleted)  
from folder  
on Aug 7

Monkey: M

Session: 46

Savvy

Task: FM, SR3 |

TL: 0 (Exp) 3 (FM)

reward: (.05 ~~FM~~ (FM) .06(exp)) x 1.7 ramped

FP rad: 90

Fix to start: 7

target fix rad: 125

" " cue: 25

pen width: 5

cue time: 1

text size: 40

post cue fix: 3

time to hit: 5

" " stay: 2

FM

blocks, trials direction

1-49 horiz  $\leftrightarrow$

1-2 49-49 vert  $\uparrow$

3 1-48 diag  $\nwarrow$

34 49-48 diag  $\nearrow$

Exp

[8] → 1.	53% G → B ←	16, 90%	31, 64%
2.	80%	17, 64%	32, 64%
3.	80%	getting through 8, 52%	33, 70%
4.	70%	19, 77%	sharp 24, 65%
5.	80%	20, 79%	slowing down 25, 66%
6.	78%	21, 87%	26, 66%
7.	64%	22, 67%	31, 47%
8.	95%	23, 78%	38, 63%
9.	73%	24, 63%	39,
10.	80%	25, 70%	
11.	76%	26, 74%	2481 / 1377 / 1933
12.	80%	27, 57%	71% 51%
13.	85%	28, 87%	<del>72</del>
14.	71%	29, 60%	<del>72</del>
15.	69%	30, 68%	170 WL

~~J~~ → " to retrieve, go to Florians  
back up.

1. AB

3. D

5. D

6. Zunks

7. U

9. B

12. B

13. B

14. 2 units

19. B

20. B

21. B

22. B

23. C

24. 2 units

26. A

27. A

28. Zunks

29. B

30. B

31. B

32. B

July 20 dLPFC Block B

Monkey: M

Sess ID: 1647

Save: y

Task: FM, SR3-1

TL = 3, 0

reward: 0.06 ramp 1.7

FP rad: 90

fix to start: 0.7

long fix rad: 125

" " cue: 0.25

test size: 40

cue time: 1.0

post cue time: 0.3

FM

block totals

1-2 1-25



261 / 296 89% 100%

2-3 30-50



3-5 4-17



5-6 23-45



incorrect rewards

Exp

Exp

1.	51%	G & R →	13	1.35%	GP RJ	12	33%
'8' → 2	39%		14	2		13	79%
3.	34%		15	3.53%		14	29%
4.	50%		16	4.44%	avg 4.7	15	165/300
5.	55%		17	5.32%	← avg 4.7	16	
6.	45%		18	6.41%		17	32%
7.			19	7.42%		18	
			20	8.27%		19	
				9.50%		20	
				10.32%			
				11.42%			

Block 3

# July 21 dPFC Block C

Monkey M

Session 418

Savory

Task: FM, SR3 |

Th. 3(FM), 0(Exp)

reward (0.5cm), .06(exp) x 1.7 narp

FP red, 90

targ fix red, 125

text size, 40

fix to start, 1

" " cue, 125

cue time,

post cue fix, 3

FM

blocks	trials	direction
--------	--------	-----------

1.	1-41	↓
----	------	---

1-2	47-31	↔
-----	-------	---

2-3	33-24	↓
-----	-------	---

3	26-33	↓
---	-------	---

Exp

1.	100%	<del>0.00</del>
----	------	-----------------

2.	100%	0.00
----	------	------

1.	56%	GT R →	4.27%	27.44%
----	-----	--------	-------	--------

2.	30%		15.31%	28.36%
----	-----	--	--------	--------

3.	42%		16.37%	29.35%
----	-----	--	--------	--------

4.	23%		17.37%	30.47%
----	-----	--	--------	--------

5.	39%		16.51%	31.32%
----	-----	--	--------	--------

6.	29%		19.47%	32.47% 41%
----	-----	--	--------	------------

7.	30%		20.47%	33.46%
----	-----	--	--------	--------

8.	39%		21.43%	
----	-----	--	--------	--

9.	48%		22.39%	466 / 1159 / 1674
----	-----	--	--------	-------------------

10.	30%		23.41%	40% 28%
-----	-----	--	--------	---------

11.			24.54%	
-----	--	--	--------	--

12			25.41%	90mt
----	--	--	--------	------

13			26.44%	
----	--	--	--------	--

<sup>1st</sup> <sup>3rd</sup>  
ignore ~~2nd~~ files

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

# July 22 nPFC Block A

Monkey: M Task: FM, SR3  
 Session: 49 TL: 3(FM) 0(SR3.1)  
 Sane: ✓ reward: (0.5CFM), .06(exp)) x 1.7amp

FP rad: 90  
 target fix rad: 15  
 target size: 40

fix to start: 7  
 " " cue: 75  
 cue time: 1  
 post cue fix: 3

## FM

Blocks trials direction

1-1 1-42 ↗

1-2 43-43 ↗

2-4 48-13 ↑

4-5 16-5 ↘

## Exp.

1.	400% BT GK	16. 49%	31. 61%	35. 46%
2.	42%	17. 65%	32. 64%	36. 43%
3.	46%	18. 53%	33. 71%	37. 57%
4.	48%	19. 56%	34. 59%	38. 49%
5.	64%	20. 58%	35. 11594 / 10418	40. 40%
6.	48%	21. 53%	36. 54%	40. 40%
7.	72%	22. 49%	37. 160 ml	
8.	54%	23. 49%		
9.	55%	24. 60%		
10.	62%	25. 46%		
11.	78%	26. 59%		
12.	62%	27. 45%		
13.	63%	28. 44%		
14.	50%	29. 49%		
15.	40%	30. 45%		

1. C
2. B
3. B
7. C
8. A
9. B
10. G
11. Z units
12. B
14. B
16. Z units
18. B
20. C
21. C
23. C
24. 3 units
25. A
28. Z units
- 30.
29. C
30. A
31. 2 units
32. B

July 23

Block B

Monkey M  
Session 50  
Savely

Task: FM, SR3, 1  
TL: 0(exp) 3(FM)  
reward (.05(FM), .06(exp)) × 1.7 ramp

FP rad: 90  
target fix rad: 125  
text size: 40

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

FM

blocks trials direction

1-2	1-4	↔
2-3	5-1	↓
3-4	2-2	↖
4-5	7-8	↗

Exp	RR & ✓	16. 19%	20. 57%
1. 41%			
2. 60%		17. 64%	
3. 69%	drawn	18. 82%	
4. 57%		19. 76%	808 / 1280 / 1550
5. 55%		20. 81%	10% 58%
6. 60%		21. 10%	
7. 76%		22. 82%	(40m)
8. 71%		23. 74%	
9. 78%		24. 66%	
10. 95%	drawn	25. 50%	
11. 95%		26. 59%	
12. 83%		27. 68%	
13. 76%		28. 68%	
14. 83%		29. 73%	
15. 83%		30. 50%	

<sup>82<sup>nd</sup></sup>

ignore 1st file

5. C

12. C

13. 2 units

15. D

17. 2 units

18. A

19. 3 units

21. C

22. C

23. C

27. 2 units

29. 11

31. D

32. 3 units

DRFC

3/24 Block C

Monkey: M

Session: 51

Savory

Task: FM, SR3, /

TL: 0 (Exp) 3 (FM)

Reward: (.05 (FM), .06 (exp))  $\times$  1.7 ramped

FP rad: 40

fix to start: 7

target fix rad: 125

" " cue: 25

text size: 40

cue time: 1

post cue fix: 3

FM

blocks trials direction

1 1-50 horiz  $\leftarrow$

2 1-50 vert  $\downarrow$

3 1-49 diag  $\nwarrow$

4. 2-50 diag  $\searrow$

Exp

1 61% C  $\rightarrow$  R + 16. 12%

2 80% 7. 86% 903/1108/1472

3 82% 18. 77% 82% 61%

4 91% 19. 87%

5 87% 20. 81%

120mL

6 95% 21. 60%

7 92% 22. 88%

8 92% 23. 64%

9 92% 24. 93%

10 90% 25. 82%

11. 92% 26. 62%

12. 92% 27. 76%

13 93% 28. 81%

14. 80% 29. 75%

15. 62%

9. C

9. 2 units.

6. D

12. 2 units.

13. 2 units.

14. 11

15. B

18. B

19. B

21. #B

22. B

24. 2 units.

28. 11 2

30. 11 2

31. B

32. B

July 25 ~~PF~~ dLPC Block A

Monkey: M  
Session: 52  
Save: y

Task: FM SR3-1

Th: 3(FM) 0(exp)

reward: (.05(CFM), .06(exp)) x 1.7 ramped

FP rad go

fix to start. 7

long fix rad: 25

" " cue: 35

Extsize: 40

cue time: 1

postcue fix: 3

FM

block finds direction

1-4 9 dog ↗

1-2 50% horiz ←

3 1-4 6 diag ↘

3-4 10% vert ↑

1 1-4 8 diag ↗

2-3 1-1 vert ↑

3-4 2-9 diag ↘

4-5 10-11 horiz ←

up

1. 36% 4 → B + 12. 42% 457 / 875 / 1297

2. 46% 13. 53% 52% 35%

3. 47% 14. 59% 100 mL

4. 30% 15. 49%

5. 40% 16. 62%

6. 57% 17. 58%

7. 68% 18. 60%

8. 61% 19. 55%

9. 76% 20. 40%

10. 41% 21. 58%

11. 63%

ignore 1<sup>st</sup> set of MATLAB files  
-Cerebus didn't record

2

1. C

2 B C

8 C

9. C

10. C

11. Z units

12. "

13. Z units

16. C

18. D

20. E

21. C

22. Z units

24. 3 units?

25. A

27. C

28. Z units

29. B

30. Z units

31. "

32. " 3

July 26 dPFC Block B

Monkey: M

Session: 53

Surely

Task: FM, SR3\_1

TL: .8 (FM) 0 (exp)

reward: (.05 (FM), .06 (exp)) × 1.7

FP rad: .10

fix to start: .1

target fix rad: .15

" " cue: .25

text size: .40

cue time: 1

text size: .40

post cue fix: .3

FM

blocks trials direction

1 1-45 diag ↗

1-2 46-44 diag ↘

2-3 45-45 Event ↗

3-5 46-3 horiz ↙ ↘

Exp

'8' 1. 37% RAVGR 16. 30%

2. 40%

17. 45%

3. 42%

18. 41%

4. 30%

19. 32%

5. 22%

20. 36%

6. 24%

21. 23%

7. 34%

201/87/1050

8. 22%

34% 26%

9. 28%

10. 40%

60 mL

11. 30%

12. 35%

13. 42%

14. 35%

15. 42%

all files accounted  
for

# July 23 dLPFC Block C

Monkey: M  
Session: 5341  
Save: Y

Task: FM, SR3\_1  
TL: 30 (FM) 0 (exp)  
reward: (.05 (FM), .06 (exp)) × 1.7 ramp

FP rad: 90°  
target fix rad: 125°  
text size: 40  
fix to start: .7  
" " cue: .25  
cue time: 1  
post cue fix: 3

## FM

block	trials	direction
1	1-46	diag ↘
1-2	47-41	vert ↓
2-3	42-48	diag ↗
3-4	45-41	horiz ←

## Exp

1.	39%	G↓ B↑	16, 61%	
2.	57%		17, 57%	540 / 1065 / 1178
3.	57%		18, 45%	51% 46%
4.	58%		19, 50%	100 mL
5.	36%		20, 60%	
6.	49%		21, 56%	
7.	37%		22, 52%	
8.	37%		23, 35%	
9.	48%		24,	
10.	63%			
11.	58%			
12.	55%			
13.	72%			
14.	70%			
15.	58%			

hardware problem  
no cerebus files

- 3. D
- 9. C
- 16. B
- 13. 3 units?
- 14. ~~D~~ D
- 17. C
- 20. C
- 22. B
- 23. B
- 24. 2 units?
- 26. B
- 27. B
- 28. C
- 29. 2 units?
- 30. 11
- 31. B
- 32. 2 units?

# July 29 ALPFC: Block A

Monkey: M.

Session: 105

Sav. / y

Task: FM, SR3, 1

(1, 3 CFM), q (exp)

reward: ~~0.5 ml~~, 0.5 x 1.7 ramped (FM)  
~~x 1.9 ramped (exp)~~

FP rad: 99

Fix to start: 1

target fix rad: 125

" " cue": 25

text size: 40

cue time: 1

post cue fix: 3

post cue fix: 3

Ex: FM

blocks trials direction

1 1-116 vert ↑

1-2 47-39 diag ↘

2-3 40-33 horiz ←

3-4 35-35 diag ↗

LxP

1 50% B>G 16.69%

2. 60% 17.49%

3. 44% 18.53%

4. 48% 19.54%

5. 49% 20.44%

6. 55% 21.60%

7. 40% 22.49%

8. 37% 23.38%

9. 59%

10. 45%

11. 28% 491/971/1138

12. 50% 51% 413%

13. 56% 90 ml

14. 64%

15. 58%

hardware problem,  
no cerebus files

1. D

3. C

5. 2 units

9. D

11. C

12. 2 units

14. "

15. C

16. D

19. B

19. B

20. B

23. C

24. C

25. B

27. C

28. 2 units

29. B

30. A

31. 2 units

32. "

# July 30 dLPPC Block B

Monkey: M

Session: 56

Sane: Y

Task: FM, SR3\_1

TL: 3 (FM) OCSR3\_1)

reward: .05x1.2 (FM) .05x1.9 (sp) (JUICE)

FP rad: 90

fix to start: 7

tang fix rad: 125

Fix to cue: 25

text size: 40

cue time: 1

post cue fix: 3

FM

blocks trials direction

1 1-44 horiz ↔

1-2 45-59 vert ♂

2-3 60-73 diag ↗

3-4 74-81 diag ↘

Exp

1.	47% R↑BK	16.66%	31.73%
2.	47%	17.63%	32.63%
3.	48%	18.60%	33.53%
4.	39%	19.77%	34.74%
5.	49%	20.77%	35.63%
6.	39%	21.75%	36.66%
7.	34%	22.70%	
8.	21%	23.70%	160 mL
9.	28%	24.67%	97/1591/1805
10.	39%	25.71%	
11.	44%	26.65%	58% 51%
12.	58%	27.54%	
13.	58%	28.77%	
14.	68%	29.63%	
15.	65%	30.60%	

7. C

9. A

13. C

15. C

17. D

18. D

19. 2 units

26. C

21. B

23. B

32. D

July 31 dL-PFC Block A (by Silia's request)

Monkey: M

Session: 57

Save in:

Task: FM, SR 3-1

TL: 3 (FM), 0 (exp)

reward .5x1.3 (FM) .6x1.9 (exp)

FP rad: 90

target fix rad: 125

text size: 40

Fix to start: .7

fix to cue: .25

cue time: 1

postcue fix: .3

& FM

blocks trials direction

1 1-48 horiz ↗

1-2 50-43 diag ↘

2-3 46-39 diag ↙

3-4 416-39 vert ↑

Exp

1 53% RV GT 16.51%

2 23% 17.40%

3 37% 19.46%

4 23% 60% 19.56%

5 40% 52% 20.66%

639 / 1285 / 1419

6 60% 21.55%

50% 45%

7 37% 22.52%

105 mL

8 44% 23.870%

9 32% 24.60%

10 40% 25.65%

11 49% 26.60%

12 55% 27.76%

13 30% 28.53%

14 46% 29.47%

1. ~~B~~ C

d. B

11. C

12. 2 units?

13. " "

16. A

23. ~~C~~ D

24. D

25. B

27. 2 unf?

28. "

29. B

30. B

31. 2 units?

32. "

Aug 6 dLPFC Block C no FM today

Monkey: M

Session: 58

Save: y

Task: SR3-1

TL: 0

Reward: 0.13 [i] no ramping

FP rad: 90

fix to start: 0.7

targ fix rad: 125

fix to cue: 0.25

text size: 40

cue time: 1

post cue fix:  $\approx$  0.3

limit 800 trials

hit delay: 0.1

Exp

miss delay: 1.0

& juice of Nen

1 47% B↑ R↓

2 39%

3

4 58%

67% 64%

5 65%

516 / 766 / 801

6 86%

drank = 140 cc

7 69%

8 82%

9 84%

10 80%

11 71%

12 76%

13 58%

possibly less

14 76%

juice in  
juice (i.e. less reward)

15

possibly less

16 65%

reward

block C

1 a

2 b

3 b

6 a

7 b

8 b

11 g → 2nd big unit not sorted online

12 g

13 a (23v)

14 b

15 b

16 → 2 un.t

17 b

18

19 a

21 c

22 b

23 b

24 c

25 b

26 b.

27 d

28 c

29 b (green)

30 b

31 b

32 b

(2<sup>nd</sup> set of experiments)

Aug 7

ALPFC

Block A

monkey: M

session: 59

Save: y

Task: SR3.1 (& FM)

TL: 0

reward: 0.12 [1, 1]

FP rad: 90

tay rad: 125

text size: 40

fix to start: 0.7

fix to cue: 0.25

Cue time: 1

post cue fix: 0.3

limit 800 trials

hit delay: 0.1

miss delay: 1.5  
(juice)

Exp

1) 35% B → G ←

2) 41%

3) 20 -%

4) 44 -%

5) 32 -%

6) 41%

7) 30% } ← hit '3' for 10 trials

8) 50% }

9) 36 -%

10) 39.5 -%

11) 46 -%

12) 53 -%

13) 42 -%

14) 58 -%

15) 48 -%

16) ← did '3' for 40 trials.

overall 47% 38%

323/682 / 840

Including 30  
give away +  
(TL 3) trials.

forgot to indicate units, however  
++ many very good cells.

(4th set of experiments!)

Aug 8

dLPPC

Block B

monkey: M

session: 60

Save: Y

Task: SK3..1

TL: φ

Reward: 0.12

FP rad: 125 { (accident)  
tang rad: 90 { Should be other way  
text size: 60 → w/ annulus 10 }

fix to start: 0.7

fix to cue: 0.25

Cue time: 1

post cue fix: 0.3

limit: 1000 trials

hit delay: 0.1

miss delay: 2.5

(juiced)

{ 1. 53% } BE R →  
2. 56% played w/  
3. 63% #8 and #9  
4. 74% 6 hours.

5. 79%

6. 70%

7. 79%

8. 82%

9. 80%

10. 84%

11. 67%

12. 88%

13. 73%

14. 81%

15. 83%

16. 83%

17. 83%

18. 83%

19. 72%

→ 20. 100% ←

(level 3  
'certainty'  
trials)

(concluded)

Total:

74% 61%

78 580 / 780 / 950

~ 50/50/50

drank 150cc

## Block B

1. b

3 d

5 c

6 b

9 b

11 d

12 b

13 c

14 c

15 b

16 b

17 d

18 d

19 g (x2)

20 b

21 b

23 a (x2)

24 a (x2)

29 d

30 d

32 c

Aug 9

dL PFC

Block c.

monkey M

session: 61

Save: y

task: SR3-1

Tl: 0

reward: 0.12

FP red 115

TP red 125

text size 60 → w/ annulus 10

fix to start: 0.7

fix to cue: 0.5

cue time: 1

post cue fix: 0.3

limit 1000 trials

hit delay: 0.1

miss delay: 2.5  
(juice)

1 58%

2 52%

3 50%

4 36%

5 35%

6 40%

7 43%

8 25%

9 41%

10 41% ← did a few Tl (13)

11 61%

12 60%

13 64%

14 ~~73~~ 67%

15 ~~73~~ 73%

16 ~~84~~ 70%

17 84%

} B > G ↵

used 'q'

→ Hous

56% 52%

total 516 / 916 / 1000

100 cc

18) 82%

19) 78%

20) 80%

Block C → overall bad readings  
today.

+ artifact from jigger  
(did not use ground)

36      ? 6

7d

19 d

20 d

22 c

24 c

25 b

27 d

28 b

29 b

31 c

32 d.

~1.05

tomorrow: ① make reward  $\rightarrow$  ramping [1, 2, 1-3]

② ↑ miss delay to 3 sec.

③ snake cue rad 8, ↓ cue size.

④ consider introduce yellow cue instead of green

⑤ ↑ to 1200 trials

10/15/16

Aug 10

dLPFC

\* did internal recalibrate  $\times 4$   
\*\* 1st exp garbage, only use 2nd exp (4 recalibrations)

Block A (edfs)

monkey = 11

session: 62

Save: y

task: S23 |

TL: 0

Reward: 0.105 [1-2 1-3]

FP red 100

Targ red 125

test size 50

w/ analysis 8

fix to start: 0.7

fix to cue: 0.5

cue time: 1

post cue fix: 0.3

time to hit: 0.5

limit: to 1300 trials

time to stay: 0.2

1. 67% Y ← ↑

(juice)

2. 61%

\* ↓ target from green to yellow,

3. 61%

4. 62%

miss delay = 3.0

5. 68%

6. 67%

17. 87%

7. 78%

18. 91%

8. 88%

19. 76%

9. 56%

20. 45%

← Switch ↓ ↑

10. 69%

21. 74%

11. 72%

22. 75%

12. 74%

23. 76%

13. 79%

24. 89%

\* Note problem

14. 78%

25. 71%

w/ fix to cue

15. 74%

70% 50%

seems varying from  
0.25 to 0.5

16. 73%

n 650 / 930 / 1350

drank 120cc

Check trial 368 for timing.  
1162, 1168

3 a x 2

7 a x 2

8 a

9 b x 2

10 c

12 b x 2

16 b

18 d

20 a

22 a c

23 c

26 a

27 a

30 c

31 b

→ 0.31 ~ 0.31 + time.

\* tomorrow fix fix 2 core delay  
in code and test.

PS

0.24 85

0.38 PS

0.52 92

0.24 18

0.02 52

0.02 52

0.11 0.41 0.18

Aug 11

dL PFC

Block B

monkey, M

Session 63

Saver Y

task: SR3\_1

TL = φ

Reward: 1.05 [1.2 1.3]

FP rad 90

tang rad 125

text size 45

(annulus 7)

fix to start: 0.7

cue: 25

cue time: 1

post cue fix: 0.3

limit to 1600 → 140 cc

time to hit: 5

time to stay: 2

1 63% b↓ y↑

miss delay 3.0

2 65%

3 60%

19 62%

4 70%

20 76%

SWITCH 5

76%

21 69%

82%

22 80%

7 84%

23 89%

8 82%

24 90%

1/2 & 1/2

b↓ r↑

25 28% y↓ b↑

10 47%

26

11 53%

27

12 38%

28 45%

13

29 38%

14 51%

30 32%

15 57%

31 45%

16 60%

32

17 68%

53% 59%

18 65%

850 / 1426 / 1600

4 b

13 c

15 c

17 b ( $\times 2$ )

19 a

24 b

Cerberus file

not made.

EDF ( $\times 2$ ) Block c

Aug 13

02 revi.

blocks int

monkey M

session 64

Save y

FP fail 90

targ rad 125

test fire 40  
(annulus 6)

task SR 3-1

TL Ø

reward 0.1 [1.2 1.3]

fix to start 0.7

time to cue -525

cue time 1

post cue fix. 3

time to h.t. +5

time to stay -2

limit: 1600  $\rightarrow$  1800

hit delay -1

miss delay 3

time

1 65% b  $\Rightarrow$  y  $\nwarrow$

2 63%

3 70%

4 87%

5 70%

SWITCH 6 79%

7 86%

8 95%

$\hookrightarrow$  9 r  $\nwarrow$  y  $\searrow$

10

11 47%

12 59%

13 65%

Change 14 37%

15 29%

$\hookrightarrow$  (three in some 3's)

16 26%

~~spk~~

17 89%

y  $\uparrow$  b  $\downarrow$

18 86%

SWITCH  $\rightarrow$  19) 46% R ~~E~~ S ~~B~~ T 32)

20) 40%

21) 67%

22) 54%

23) 33%

24) 61%

25) 48%

26) 65%

27)

28)

29) 52%

30) 77%

31) ~~R E~~ 87%

32) 62%

$\hookrightarrow$  getting off

Block <

got 18 cultures

file did not

properly

Saved

2 A

8 C

14 A x 2

18 C

22 B

24 C

26 D

27 C

28 C

32 D

tomorrow add 0.5 <sup>1.0</sup> bit delay

task SR3\_1

TL ♂

monkey M  
sess 65

Reward 0.09 (1, 2, 1, 3)

Save γ

fix to start 0.7

time to cue 0.25

FP rad 90

'cue time 1

face rad 125

post cue fix -3

text size 40

time to h.t. -5

(ann 5)

stay -2

limit 1500 = 170 sec

h.t. delay -1

miss delay 3.0

1. 40%

γ↑ ↗

2. 40%

3. 30%

4. ← used some 8's and 9's.

5. 67%

6. 55%

7. 43% ← adjusted juicer (bad angle)

8. 64% ← used some 9's

9.

10. 44%

11. 69%

12. 56%

13. ← used some 3's → (since timing)

14. 57%

15.

16. 71%

17. 90%

18. 88%

19. 77%

20. 78%

21. 70%

22. 57%

23. 80%

24. 80%

25. 83%

26. 82%

27. 95 ↑ (3)

28. 100 ↓ (3)

29. 100 ↔ (3)

30. ↑ (3)

790 / 1163 / 1500

check 645, 647, 943, 993, 1108.

1478

2b

6b

9b

11a (23)

14 b

16 b

17b

18b

22b

24c

25a (72)

27c

28b

29c

30b

file: 003

edf: x2

Aug 18

Block A

task SPZ 1

monkey M

parcums current session: 66/67 reward: 0.09 [1.2 1.3]

Save ✓

↓ for b start 0.7  
time to cue 0.25

FP red 90

003, new 004; new cue time 1

stay 125

post cue fix 0.3

left size 40 (s)

stimulus lat 0.5  
stay 0.2

66 → 1. 77% bby ↑

byst delay 0.5  
miss 0 3.0

2. 77%

3.

4. 56%

5. 47%

6. 47%

7. 56%

8. 40%

9. 53%

10. 55%

55%, 51%

quit

230/500/551

67 → 1. 64% ybr↑

7) ↘

2. 50%

3. 57%

76 if ↑ certainty bby (correct)

75 5  
6 ↘

7c

8c

9b

10c

11a

12c

14d

17d

21a

25a

29a

30b

Aug 19

Block B

① SRLI ② ~~Rmp~~

more rel.  
trials  
↓

parascurrs 67/68

Reward: 0.09 [1, 2, 3]

∅ f map monkey  
very restless

X

1. 62% y↑ b↓  
2. 81%  
3. 64%  
4. 63%  
5. 90% (a few 3's thrown)  
6. 78% "  
7. 100% "

8. 91%  
9. 83%  
10. 75% b↑ y↓  
11. 80% "  
12. 91%

13. 70%  
14. 82% ~~b↑ y↓~~  
15. 62% b↓ n↑  
16. 64%  
17. "

Fmap 1 ↗  
2 ↘

SWATCH

SWATCH

Block B.

edf;3

1 a

3 b

6 b

7 c

13 b

12 b

20 c

21 c

22 c

27 b

++ juicer noise,

~~Sept~~ Sept 2

Block C

task: SP3-1

(~~SP3-1~~)

Monkey M

params: currSeq: 69

reward: 0.09 [1, 7, 2, 3]

Save Y

text size 40

limit=1000 trials

FM w/ same file (reward 0.06)

1. 80% on Y< b →

21 ↗ FM

2. 66%

22 switch trial 25 ↗

3. 68%

23 ↘

4. 73%

24 after 1 ↔ (A+B reward 0)

5. 81%

25 ↗

6. 84%

26 after 1 ↙

7. 47% Y< r ↗

drunk 180cc

8. 57%

9. 61%

10. 51%

8 → 1. 68%

7 → 2. 64%

13. 58%

14. 61%

15. 71%

16. 76%

17. 57% (elgated after misses)

18. 75% (elgated after misses)

19. 80%

20. 71%

## Block C

- 5 C
- 6 AB
- 7 C
- 8 Zunits
- 9 B
- 10 B
- 11 B
- 12 Zunits
- 13 "
- 14 "
- 15 "
- 16 B
- 17 B
- 18 B
- 19 B
- 20 Zunits
- 21 Zunits
- 22 B
- 23 Zunits
- 24 B
- 25 >  
B<sup>1st</sup>
- 26 BB
- 27 B
- 28 C

Note; for next time make reward - 0.09 [1,6,2,2]

110

50

Sept 28

## Block A

1st try garbage (did not connect  
to cortex)

monkey M

params, corr sess: 70  
same Y

Reward = 0.009 [1.6 z.2]

$$\text{do } \sum = 200 \text{ cc}$$

text size 40

- ~~1. 57% r ↗ y ↘~~  
~~2. 47% ← gave some '3's limit = 1250 trials~~  
~~3.~~

- |                               |                                 |
|-------------------------------|---------------------------------|
| 1. 72% y↑ b↓                  | <b>SWITCH</b> → 17) 47% r ↗ y ↘ |
| 2. 73%                        | 18) 31%                         |
| 3. 80%                        | 19) 57%                         |
| 4. 70                         | 20) 49% ← gave some '3's        |
| 5. 70                         | 21) 52%                         |
| 6.                            | 22) 64%                         |
| 7. 71                         | 23) 41%                         |
| 8. 82, 5                      | 24) 47%                         |
| 9. 67%, ← gave some '3's      | 25) 47%                         |
| 10. 82%                       | 26)                             |
| 11. 83%                       | 27)                             |
| 12. 81%, ← '3's               | 28)                             |
| <b>SWITCH</b> 13) 80% b ↗ r ↗ | 29)                             |
| 14) 71%                       | 30)                             |
| 15) 83%                       | 31)                             |
| 16) 97%                       | 32)                             |

FM

31 → 38 ↙ ↘

# Block A

2 a

7 a

9 b

10 a

11 a

12 b

14 c

24 c

25 a

26 a

27 b

28 c

30 b

Sept 9

Block B

monkey.m

current session: 71

stop @ 1350

[83]	1.	51%	R ↗ Y ↓	24)	77%
	2.	49%		25)	73%
[87]	3.	56%		26)	80%
	4.	68%		27)	70%
	5.	71%			
	6.	75%		28)	↓
	7.	60%		29)	
	8.	58%	switch on 5'30)		↔
	9.	64%		30)	
	10.	66%	switch after 1'	32	↗
	11.	70%		33.	
↓	12.	70%		34.	↓
	13.	63%		35.	
	14.	83%			
	15.	64%			
	16.	75%			160 ml
3's	17.	66%			
	18.	67%			
	19.	70%			
	20.	66%			
	21.	67%			
	22.	74%	{ gave some q's		
	23.	73%			

Didn't Save

1. C  
3. 2 units      Consistent periodic noise overall units  
6. C  
8. A  
9. ~~B~~ B  
10. B  
13. B  
16. B  
17. B  
18. B  
21. A  
24. A  
25. C  
~~28~~  
29. B  
30. B
- DIDN'T SAVE

Sept 11

Block B

Marshy

Session 72

1st & 3rd file sets

Ignore 2nd file sets

1<sup>st</sup> = exp

3<sup>rd</sup> & on = field mapping

1.	56%	B6R7
2.	44%	
3.	35%	160 mL
4.	28%	
5.	41%	782/1782/B6)
6.	49%	61% 58%
7.	27%	
8.	59%	
9.	45%	FM
10.	65%	recal 1. 1-50 ↗
11.	47%	2. 1-77
12.	61%	2. 18-50 ←
13.	58%	3. 1-42
14.	79%	3. 43-50 ↘
15.	74%	4. 1-50
16.	70%	5. 1-9
17.	67%	5st. 10-50 ↑
18.	67%	6. 1-16
19.	77%	
20.	62%	
21.	75%	
22.	82%	
23.	85%	
24.	69%	
25.	78%	
26.	85%	
27.	65%	

6. D

8. D

9. B

B B

15. A

17. B

19. A

22. C

23. C

29. B

Sept 3

Block C

Marty  
Session B

- |     |     |                   |
|-----|-----|-------------------|
| 1.  | 46% | Y ← R →           |
| 2.  | 68% |                   |
| 3.  | 51% |                   |
| 4.  | 55% | 28.70%            |
| 5.  | 80% | 29. 749/1173/1400 |
| 6.  | 60% | 70% 41%           |
| 7.  | 55% | FM 69% 54%        |
| 8.  | 53% | 224               |
| 9.  | 55% | 29.44-50 ↔        |
| 10. | 68% | 30.1-50           |
| 11. | 61% | 31. 1-2           |
| 12. | 58% | 31. 3-50 ↘        |
| 13. | 70% | 32. 1-50          |
| 14. | 62% | 33. 1-50 ↓        |
| 15. | 69% | 34. 1-28          |
| 16. | 52% | 34. 29-50 ↖       |
| 17. | 67% | 35. 1-50          |
| 18. | 60% | 36. 1             |
| 19. | 59% |                   |
| 20. | 77% |                   |
| 21. | 66% |                   |
| 22. | 67% |                   |
| 23. | 74% |                   |
| 24. | 79% |                   |
| 25. | 71% |                   |
| 26. | 69% |                   |
| 27. | 69% |                   |

1. C

7. C

11. A

17. 2 units added during block 12

22. B

25. B

26. B

27. B

28. B

30. 2 units

31. A

32. B

Sept 14

Block F

Marty  
Session 74

re

1. 54% YV RT

EM

2. 65%

24 ~~23~~ 3-50 ↗

3. 82%

25. ~~24~~ 1-45

4. 69%

25. ~~24~~ 46-50 ↗

5. 81%

26. 1-50

6. 87%

27. 1-20

7. 78%

27. 22-50 ↘

8. 73%

28. 1-50

9. 76%

29. 1-8

10. 89%

29. 11-50 ↔

switch 11. 94%

30. 1-50

12. 73% YR BY

31. 1-9

13. 79%

31. 1-9

14. 83%

31. 1-9

15. 68%

31. 1-9

16. 71%

31. 1-9

17. 88%

31. 1-9

18. 68%

31. 1-9

19. 77%

31. 1-9

20. 89%

31. 1-9

21. 84%

31. 1-9

switch 22. 88%

31. 1-9

23. 28% YR RY

31. 1-9

24.

780/1025/1150

76% 68%

1. D

2. D

3. 2 units

4. D

5. B

6. 2 units

7. C

8. 2 units

9. A 2 units

10. D

11. C

12. B

13. D

14. C

15. B

16. D

17. 2 units

18. 2 units

19. D

20. C

21. C

22. D

23. C

24. C

25. C

## Block C [EDF x 2]

Sept. 15

Marty  
Session 75

rewards: 0.09 [1/6 2/1]

Stop: 1650

1. 57% R ↙ B ↘	22. 45%
2. 38%	23. 58%
3. 47%	24. 68%
4. 52%	25. 64% (using '9's)
5. 42% (gave '3's)	26. 79%
6. 54% (using '9's)	27. 68%
7. 67%	28. 74%
8. 64%	29. 79%
9. 67% (using '9's)	30. 84%
10. 70%	31. 79%
11. 75%	32. 92%
12. 61%	33. 76%
13. 82%	{ 34. 77% → [FM]
14. 82%	{ 35. 97%
15. 71%	{ 36. 2-50 ↗
16. 84%	{ 37. 1-50
17. 88%	{ 38. 2-50 ↗
18. 79.5%	{ 39. 1-50
19. 74%	{ 40. 3-50 ↑
SWITCH	{ 41. 1-50
20. 53%	B → R ↙
21. 55%	

## Block C

2 c

~~strong jitter~~ correlated noise

6 c

7 c

12 c

19 c

20 b

22 a ( $\times 2$ )

24 a ( $\times 2$ )

26 a

27 c

28 b

29 c

30 a ( $\times 2$ )

31 c

32 b ( $\times 2$ )

Sept 18

Block B

Marty  
Session 76

rewarded [09 R(1,6 2,1)]

		Units	
1.	35% B R ↘	1. C	
2.	39% opposite of previous	7. C	Blood flow activity
3.	71%	9. A	
4.	62% FM	11. C	
5.	47% 28, 1-50 R ] forgot to	13. B	
6.	62% 28, 1-22 ] switch reward to 16	15. B	
7.	47% 28, 27-50 ↗	19. B	
8.	42% 29, 1-48	21. B	
9.	64% 29, 49-50 ↑	23. B	
10.	40% 30, 1-50	24. C	
11.	80% 31, 1-42	25. C	
12.	56% 31, 49-50 ↙	29. C	
13.	69% 32, 1-50		
14.	89% 33, 1-50		
15.	81% 34, 1-36		
16.	47%		
17.	63%		
18.	35% 780 / 1232 / 1550		
19.	52% 63% 58%		
20.	78%		
21.	71% 200 mL		
22.	77%		
23.	77%		
24.	76% ]		
25.	89% 77% learned?		
26.	91%		
27.			

Sept 19 Block C

Marty

Session 767

reward: .09 [1.6 2.1]

1. Y ← R → 30%	FM:	1. D
2. 74%	29. 1-50	14. D
3. 92%	30. 1-50	17. B
4. 40%	31. 1-35	20. C
5. 93% subto	31. 6-50 ↘	22. 2 units?
6. 76% ← Y↑R	32. 1-50	26. D
7. 80%	33. 1-46	27. C
8. 75%	33. 47-50 ↗	29. B
9. 89%	34. 1-50	30. 2 units
10. 86%	35. 1-32	31. B
11. 90%	35. 33-50 ←	32. 2 units
12. 41% Y↑R ↓	36. 1-50	
13. 68%	37. 1-32	
14. 66%		
15. 64%		
16. 83%		
17. 67%		
18. 71%		
19. 88%		
20. 75% 3s		
21. 70%	899 / 1170 / 1400	
22. 79%	77% 64%	
23. 80%		
24. 72%		
25. 70%		
26. 77%		
27. 79%	larmet?	
28. 85%		

Sept 20

263831600 Block B

Marty Session 78

1. 67% ~~BR~~ Y

2. 71%

3. 82%

4. 73%

5. 87%  
← switch

6. 48% Y↑R↓

7. 82%

8. 80%

9. 84%  
← switch

10. 31% Y→R←

11. 29%

12. 26%

13. 29%

14. 31%

15. 31%

16. 46%

17. 39%

18. 45%

19. 62%

20. 43%

21. 40%

22. 35%

23. 53%

24.

FM didn't reward  
until trial 36

24. 4-50 ↔

25. 1-50

25. 1

26. 5-50 ↓

27. 1-50

28. 1-42

28. 44-50 ↑

29.

29. 1-50

30. 1-30

30. 39-50 ↑

31. 1-50

32. 1-47

Units

1. D

7. D

9. A

10. C

12. 2 units?

13. B

14. B

15. 2 units

16. B

17. B

18. A

23. B

25. C

30. B

possible

blood vessel related  
activity

mount related

activity

+  
reward activity

507/046/1151

54% 44%

110 mL

~~island~~

5.5  
5.5  
5.5

new array [n, n<sub>2</sub>]

n is ratio as  
compared to input / 1st  
value set in Field

Sept 21

Harry session 79

1. 65% R → Y ←

2. 86%

3. 88%

4. 77%

5. 62%

6. 76%

7. 86%

8. 80%

9. 67%

10. 84%

11. 85%

12. 95%

13. 61% <sup>switch</sup> Y → R ←

14. 80%

15. 82%

16. 59%

17. 74%

18. 64%

19. 85%

20. 61% <sup>switch</sup>

21. 59% Y → B ←

22. 66%

23. 71%

24. 83%

25. 83%

26. 87.

BLOCK C

fm

27. ↗

28. "

switch to  
-60° reward → 29. ↘

30 "

31. ↙

31. 2-50 ↓

32 " "

33. 14-50 ←

34. 1-50

2000 mL

803/1032/1300

78% 62%

Units

1. BC  
2. 2-C added during block 10

6. B

7. 2-A

8. B ⇒ added during block 5

9. B

10. B

12. B

13. A

14. A

15. A

16. A

17. 2-B

18. C

19. A

20. 2-A

21. 2-B

22. 2-B

23. B

24. B

25. C ⇒ added during block 5

26. B

27. 2-B

28. 2-B

29. 2-B

30. 2-B

31. A

32. B

Marty book 2

Marty book 2

Sept 22

Marty Session 80

Block A

1. 39% YR BL

2. 40%

3. 55%

4. 67%

5. 70%

6. 65%

7. 81%

8. 56%

9. 67%

10. 23%

11. 79%

12. 89%

13. 86%

BR YN

14. 2%

15. 16%

16. 33%

17. 57%

(used a few 3's)

18. 30%

(used 9's)

19. 47%

(used 9's)

20. 60%

21. 59%

22. 76%

23. 88%

24. 84%

25. 87%

26. 16%

BL R↑

27. 30%

28. 2%

29. 40%

(used 9's)

30. 45%

(used 3's)

31. 38%

32. 29%

33. 50%

FM

34. ↓

35. //

36. ↗

37. //

38. ← 12-50

39. "

40. ↓ 18-50

41. "

Units

1. C

3. B

4. A

5. A → charged to 2 neurons - ignored during block 22

6. B

7. A

8. B

9. B - 2 units

10. 1. B

20. B

21. B - 2 units

22. C - 2 units?

23. B

24. B

25. C

A25 ml

199184712052.

03% 57%

Continued on Page 2

Read and Understood By

Signed

Date

Signed

Date

Marty Session 81

9/25/09

reward: .09 x (1.5 x 2)

1. 48% YV RR

2. 60%

3. 78%

4. 43%

5. 51%

6. 61%

7. 76%

8. 91%

9. 78%

10. 62%

11. 92%

switch

12. 81%

13. 81% R Y K

14. 48%

15. 64%

16. 56%

17. 73%

18. 91%

19. 84%

switch 20. 81%

21. 49%

R → B →

22. 56%

23. 60%

24. 71%

25. 75%

26. 71%

27. 76%

28. 90%

29. 81%

30. 73%

31. 78%

FM

32. 84-50 ←

33. 1-34-40

33. 41-50 ↑

34. 1-50

35. 1-37 + switch to .6 reward

35. 340-50 ↓ on 36

36. 1-50

37. 1-34 ↓

37. 46-50 ↑

38. 1-50

39. 1-91

Block B

Units

1. C

6. C

7. C

10. C

12. B

13. B

14. B

19. BC

19. B

22. A

23. B

24. A

27. C

30. C

14. P

200mL

904/12@2/1550

Marty Session 32 9/26/09 Block A  
reward .09 x [14 1.9] ramped

1. 10% Y7 B/V

2. 90%

3. 73%

4. 51%

5. 70%

6. 90%

7. 61%

8. 76%

9. 69%

10. 91%

11. 93%

12. 10%

R & B →

13. 76%

14. 31%

15. 34%

16. 47%

17. 42%

18. 57%

19. 41%

20. 53%

21. 53%

22. 69%

23. 61%

24. 70%

25. 65%

26. 70%

27. 72%

28. 65%

29. 76%

30. 71%

31. 63%

32. 78%

33. 91%

FM

34. 1-50 R

35. 1-50

36. 1-2

37. 3-20 V7 hot to receive  
after trial 33

38. 1-10

39. 1-10

40. 1-50 ← recal after  
trial 10

41. 1-11

42. 1-50 ←

43. 1-50 ←

44. 1-10

45. 1-11

46. 1-10

47. 1-11

48. 1-10

49. 1-11

50. 1-10

51. 1-11

52. 1-10

53. 1-11

54. 1-10

55. 1-11

56. 1-10

57. 1-11

58. 1-10

59. 1-11

60. 1-10

61. 1-11

62. 1-10

63. 1-11

64. 1-10

65. 1-11

66. 1-10

67. 1-11

68. 1-10

69. 1-11

70. 1-10

71. 1-11

72. 1-10

73. 1-11

74. 1-10

75. 1-11

76. 1-10

77. 1-11

78. 1-10

79. 1-11

80. 1-10

81. 1-11

82. 1-10

83. 1-11

84. 1-10

85. 1-11

86. 1-10

87. 1-11

88. 1-10

89. 1-11

90. 1-10

91. 1-11

92. 1-10

93. 1-11

94. 1-10

95. 1-11

96. 1-10

97. 1-11

98. 1-10

99. 1-11

100. 1-10

101. 1-11

102. 1-10

103. 1-11

104. 1-10

105. 1-11

106. 1-10

107. 1-11

108. 1-10

109. 1-11

110. 1-10

111. 1-11

112. 1-10

113. 1-11

114. 1-10

115. 1-11

116. 1-10

117. 1-11

118. 1-10

119. 1-11

120. 1-10

121. 1-11

122. 1-10

123. 1-11

124. 1-10

125. 1-11

126. 1-10

127. 1-11

128. 1-10

129. 1-11

130. 1-10

131. 1-11

132. 1-10

133. 1-11

134. 1-10

135. 1-11

136. 1-10

137. 1-11

138. 1-10

139. 1-11

140. 1-10

141. 1-11

142. 1-10

143. 1-11

144. 1-10

145. 1-11

146. 1-10

147. 1-11

148. 1-10

149. 1-11

150. 1-10

151. 1-11

152. 1-10

153. 1-11

154. 1-10

155. 1-11

156. 1-10

157. 1-11

158. 1-10

159. 1-11

160. 1-10

161. 1-11

162. 1-10

163. 1-11

164. 1-10

165. 1-11

166. 1-10

167. 1-11

168. 1-10

169. 1-11

170. 1-10

171. 1-11

172. 1-10

173. 1-11

174. 1-10

175. 1-11

176. 1-10

177. 1-11

178. 1-10

179. 1-11

180. 1-10

181. 1-11

182. 1-10

183. 1-11

184. 1-10

185. 1-11

186. 1-10

187. 1-11

188. 1-10

189. 1-11

190. 1-10

191. 1-11

192. 1-10

193. 1-11

194. 1-10

195. 1-11

196. 1-10

197. 1-11

198. 1-10

199. 1-11

200. 1-10

Units

1. 2

2. 2

3. 2

4. 2

5. 2 units

6. D

7. A

8. D

9. 2 units

10. J

11. D

12. C

13. C

14. C

15. C

16. C

17. C

18. C

19. C

20. C

21. C

22. C

23. C

24. C

25. C

26. C

27. C

28. C

29. C

30. C

31. C

32. C

33. C

34. C

35. C

36. C

37. C

38. C

39. C

40. C

41. C

Continued on Pg

Read and Understood By

Signed

Date

Signed

Date

Marty Session 83 9/27/04

Block C

reward x .09 [1.4 x 1.3]

1. 65% R-B →
2. 75%
3. 73%
4. 81%
5. 65%
6. 61%
7. 84%
8. 97%
9. 92%
10. 76% Y1 B↓
11. 71%
12. 52%
13. 58%
- with M. 81% (accidental switch)
15. 42% BRY↓
16. 43%
17. 61%
18. 57%
19. 55%
20. 72%
21. 90%
22. 48%
23. 80%
24. 53%
25. 57%
26. 61%
27. 61%
28. 82%
29. 61%
30. 91%

FM

31. 1-50 ↗  
32. 1-39  
32. 40-50 ↔  
33. 1-50  
34. 1-20  
34. 23-50 ↓  
35. 1-50  
36. 2-50 ↘  
37. 1-29

Units

3. B  
10. B  
14. B  
16. C  
18. Zunits  
22. C  
23. C  
24. C  
27. Zunits  
28. "  
29. "  
30. "  
32. B

170 mL  
824/1230/1500  
72% 59%

Mosty Session 84 9/28/02 Block A

reward: .09 x [1.918]

1. 82% R/V B7

2. 69%

3. 30%

4. 24% A5

5. 27%

6. 26%

7. 51%

8. 71%

9. 74%

10. 65%

11. 79%

12. 53%

13. 69%

14. 73%

15. 86%

16. 72%

17. 81%

18. 72%

19. 76%

20. 64%

with 21. 69%

→ 22. 64% R/V B/V

23. 74%

24. 80%

25. 67%

26. 78%

27. 80%

28. 81%

29. 79%

30. 73%

31. 79%

32. 74%

Fm

33. 4-50 R switched to .6

34. 1-25 interval 16

35. 26-50 ✓

36. 1-50

37. 21-50 J

38. 1-50

39. 1-50 ↗

Units

1. D

2. BC

3. B

4. D

5. B

6. C

7. D

8. D

9. C

10. C

11. D

12. D

13. D

14. C

15. C

16. C

17. C

18. C

19. C

20. C

21. C

22. C

23. C

24. C

25. C

26. C

27. C

28. C

29. C

30. C

31. C

32. C

33. C

34. C

35. C

36. C

37. C

38. C

39. C

40. C

41. C

42. C

43. C

44. C

45. C

46. C

47. C

48. C

49. C

50. C

51. C

52. C

53. C

54. C

55. C

56. C

57. C

58. C

59. C

60. C

61. C

62. C

63. C

64. C

65. C

66. C

67. C

68. C

69. C

70. C

71. C

72. C

73. C

74. C

75. C

76. C

77. C

78. C

79. C

80. C

81. C

82. C

83. C

84. C

85. C

86. C

87. C

88. C

89. C

90. C

91. C

92. C

93. C

94. C

95. C

96. C

97. C

98. C

99. C

100. C

101. C

102. C

103. C

104. C

105. C

106. C

107. C

108. C

109. C

110. C

111. C

112. C

113. C

114. C

115. C

116. C

117. C

118. C

119. C

120. C

121. C

122. C

123. C

124. C

125. C

126. C

127. C

128. C

129. C

130. C

131. C

132. C

133. C

134. C

135. C

136. C

137. C

138. C

139. C

140. C

141. C

142. C

143. C

144. C

145. C

146. C

147. C

148. C

149. C

150. C

151. C

152. C

153. C

154. C

155. C

156. C

157. C

158. C

159. C

160. C

161. C

162. C

163. C

164. C

165. C

166. C

167. C

168. C

169. C

170. C

171. C

172. C

173. C

174. C

175. C

176. C

177. C

178. C

179. C

180. C

181. C

182. C

183. C

184. C

185. C

186. C

187. C

188. C

189. C

190. C

191. C

192. C

193. C

194. C

195. C

196. C

197. C

198. C

199. C

200. C

201. C

202. C

203. C

204. C

205. C

206. C

207. C

208. C

209. C

210. C

211. C

212. C

213. C

214. C

215. C

216. C

217. C

218. C

219. C

220. C

221. C

222. C

223. C

224. C

225. C

226. C

227. C

228. C

229. C

230. C

231. C

232. C

233. C

234. C

235. C

236. C

237. C

238. C

239. C

240. C

## Name: Session 85

## BLOCK B

	N ↑ R ↓	FM	Units
1. 64%		32. 2-50 ↗	1. D
2. 35%		33. 1-50	1. 2-A
3. 53%		34. 3-50 ↘	6. B
4. 63%		35. 4-50	9. C
5. 08%		36. 2-50 ↕	10. C
6. 50%		37. 1-50	12. B
7. 19%		38. 3-50 ↙	13. B
8. 62%		39. 1-50 ↘	14. B
9. 50%			17. C
10. 65%			19. C
11. 58%			21. 2-A
12. 70%			23. C
13. 66%			24. A
14. 88%			27. A
15. 74%			30. C
16. 85%			
17. 70%		190 ML	
18. 13%			
19. 74%		1149/1883/1952	④ A lot of noise from the juicer
20. 76%		92% 88%	
21. 76%			
22. 76%			
23. 83%			
24. 79%			
25. 70% ↙ SWITCH			extra set of MATLAB files from mis-labeled future exp USELESS
26. 1%	Rew B		
27. 58%			
28. 65%			
29. 63%			
30. 62%			
31. 64%			

Continued on Pg

Read and Understood By

Signed

Date

Signed

Date

Marty Session 86

Reward .09 [14 1.8]

Block A

SR 4

10/13

~~unit 12 added~~

1. 16% YT B↓

2. 72%

3. 60%

4. 58%

5. 16%

6. 38%

7. 50%

8. 38%

9. 45%

10. 52%

11. 52%

12. 20% as

13. 62%

14. 32%

15. 61%

16. 56%

17. 51%

18. 62%

19. 41%

20. 60%

21. 51% unit 12 added

22. 51%

23. 61%

24. 46%

25. 45%

26. 65% ~~unit 12~~ → 2 units

27. 51%

FM

1. 1-50 ↖

2. 1-29

2. 30-50 ↗

3. 1-50

4. 1-4

4. 7-50 ↘

5. 1-25

5. 28-50 ↔

6. 1-50

7. 1-52

Units

1. B

3. B

4. 2 units

6. B

7. A

10. B

11. B

14. D

16. C

16. DC

19. BB

22. B

24. B

26. 2 units

27. C

28. 2 units

30. B

120ml

Marty Session 87

Block B

10/4

Reward .095 [14 187] SR4, text size 60

1. 52% Y ↓ R↑

2. 26% ← q's

3. 40%

→ restarted 2-x

1. 10% R↑ B↓

2. 58%

3. 53%

4. 50%

5. 60%

6. 49% recal 20

7. 58%

8. 74%

9. 68%

10. 78%

11. 76%

12. 60%

13. 62%

14. 62%

15. 72%

16. 58%

17. 66%

18. 78%

19. 72%

20. 80%

21. 81%

22. 82%

rest

1. 62% Y → R↑

2. 48% 6. 55%

3. 41% 7. 60%

4. 63% 8. 71%

5. 66% 9. 75%

FM

1. 1-50 ↑

2. 1-25

2. 26-50 ↗

3. 26-50 ↗

4. 1-50 ↗

5. 1-26 ↗

6. 1-30

6. 36-50 ↗

7. 1-50

8. 1-M

Whits

4. C

5. B

6. B

7. C

9. C

10. C

12. B

13. B

18. C

19. C

23. B

24. B

27. C

semi frequent

hemodynamic (?)

activity

motor activity

(frustration mnts)

210 m

Continued on Pa

Read and Understood By

Signed

Date

Signed

Date

Marty Session 986 Block C

10/15

reward .095 [1.4 1.8] SRH

text size, 60

1. 34% BE Y →

FM.

1. 1-50 ↑

2. 49%

2. 1-50

3. 33%

3. 1-7

4. 70%

3. 10-50 ↗

5. 49%

4. T-50

6. 42%

5. 1-28

7. 58%

5. 21-50 ✓

8. 70%

6. 1-50

9. 51%

7. 98-50 ↗

10. 74%

8. 1-50

11. 62%

9. 1-50

12. 68%

10. 1-50

13.

14. 68%

11. 72%

15. 68%

12. 72%

16. 72%

13. 76%

17. 72%

14. 72%

18. 72%

15. 46%

19. 46%

20. 41%

21. 94%

22. 86%

such 22. 86%

23. 51% Y ← R →

24. 61%

25. 50%

26. 11/21/1250

64% 63%

190 ml

Units

1.D

2.EG

3.C

4.B

5.C

6.C

7.Zunits2

8.C

9.B

10.C

11.D

12.D

13.C

14.C

15.C

16.C

17.C

18.C

19.C

20.C

21.C

Many sessions 89

10/6

Block A

1. 59%
2. 55%
3. 67%
4. 81%
5. 58%
6. 78%
7. 69%
8. 62%
9. 65%
10. 56%
11. 71%
12. 77%
13. 56%
14. 60%
15. 71%
16. 71%
17. 78%
18. 82%
19. 63%
20. 76%
21. 58%
22. 78%
23. 73%
24. 70%
25. 70%
26. 73%
27. 76%
28. 58%
29. 74%
30. 76%
31. 71%

Up  $\downarrow$  R $\uparrow$

FM

Units

1. 50
2. 1-50
3. 2-50
4. 1-50
5. 1-50
6. 1-50
7. 3-50
8. 1-50

- 1) D
- 4) 2-B
- 5) 2-B
- 6) A
- 7) D
- 9) 3-B
- 10) B
- 11) 2-A
- 12) D
- 13) C
- 14) C
- 15) B
- 20) C
- 25) 2? C
- 26) C
- 27) C
- 28) 2-B
- 30) 22A1B
- 32) C

20 min

10/6/15341/1552

Continued on Pg

68% 69%

Read and Understood By

Signed

Date

Signed

Date

Marty Session 90

Block A

Text size: 60

10/9

reward: .09 (.1.4 1.8) SP: 4

1. 62% Y ← R →

FM

2. 45%

3. 58%

4. 60%

5. 72%

6. 74%

7. 65%

8. 61%

9. 75%

10. 61%

11. 82%

12. 90%

13. 80%

14. 26% R + B →

15. 89%

16. 30%

17. 45%

18. 54%

19. 42%

20. 62%

21. 61%

22. 60%

23. 65%

24. 76%

25. 44%

26. 46%

27. 88%

28. 90%

29. 84%

but 1st try - wrong values

1. 1-50 ↘

2. 1-50

3. 1-44

3. 12-50 ↙

4. 1-50

5. 1-50

6. 1-46

6. 49-50 ↑

7. 1-50

8. 1-50

9. 1-43

9. 18-50 ←

10. 1-50

11. 1-50

12. 1-30

Units

4. Z units?

5. "

8 C

9 ~~10~~ 3 units?

10 B

12 C

13 3 units?

14. 2 units

18 ~~5~~ C

19 D

20 C

23 Z units

24 B

27 D

28 Z units

30 Z units?

32 C

zoom

Matty Session 9 Block B Text Size: 60

10/10

reward: 085 [1.418] SRN

1. 47% Y ← R →

2. 60%

3. 53%

4. 69%

5. 78%

6. 76%

7. 70%

8. 66%

9. 36%

10. 88%

11. 84%

switch Z 61%

→ 13. 22% B1 Y ↓

14. 27%

15. 27%

16. 33%

17. 27%

18. 44%

19. 41%

20. 52%

21.

570/1017/1047

Fro S110

FM

start and  
wrote values

ignore

half file

Ignore

Forgot to connect cable - ignore 1st 3 Matt AB files

1. 47% P-TB

2. 56%

3. 59%

4. 72%

5. 67%

6. 69%

Matty stopped cooperating

no good data

10mV

Continued on Pg

Read and Understood By

Signed

Date

Signed

Date

Marky Session 92

Block B SPR

10/11

recalibrated then error, added extra file to session #5  
ignore 1st ~~two~~ two file sets

1. 82% B → Y ←  
2. 98%  
3. 88%  
4. 81%  
 $\xrightarrow{\text{switch}}$  5. 44% Y → R →  
6. 50%  
7. 33%  
8. 49%  
9. 51%  
10. 42%  
11. 66%  
12. 66%  
13. 81%  
14. 80%  
15. 70%  
16. 68%  
17. 78%  
18. 82%  
19. 72%  
20. 78%  
21. 72%  
22. 67%  
23. 66%  
24. 67%  
25.

- FM Units  
recalibrated  
1. I-50 R  
2. I-50  
3. I-10  
3. I-50 ↓  
4. I-50  
5. I-50 ↑  
6. I-50 ←  
7. I-50  
8. I-50  
9. I-4839  
10. 2050 ←  
11.  
12.  
13. I-38

3. B  
5. BC  
6. C  
7. C  
9. C  
10. C  
11. C  
12. C  
14. B  
15. B → @ least 2 units CFM  
17. D  
19. 2 units  
18. C  
21. C  
23. B  
25. D  
27. D

juice-related activity

200 mL

654 / 1239 / 1250  
69% 68%

Mosity Session 03 Block A SP4 10/17

Record OR [M4 + 3]

carbus would record

8.

71% B → Y ←

Fake and ignore 1st & MATLAB file

9.

86%

10.

81%

11.

88%

12.

72% B ↑ B ↓

13.

65%

14.

74%

15.

70%

16.

74%

17.

90%

18.

78%

19.

88%

20.

80%

21.

14.67% B ← R →

22.

15.70%

23.

75%

24.

74%

25.

74%

26.

76%

27.

79%

28.

82%

29.

74%

30.

80%

31.

80%

32.

80%

switch

24. 83%

after

25. 47% B ← R → D ← R →

26. 38%

27.

966/1233/1317

74% 73%

Units

1. C

3. A

4. B

5. B - for FM only

7. A

9. 2 units

11. 7 units

14. A

20. B/C

22. C

24. C

26. A

28. A - FM only

32. D

32. B FM only until trial 34

200 ml

Continued on Pg

Read and Understood By

Signed

Date

Signed

Date

Nov 1 Session 1234

Block C

52M

10/16

Ignore 1st set of MATLAB files - didn't record  $\leftrightarrow$  neural data

2nd

11 3rd 1.

1. 75% BTY $\downarrow$

2. 55%

3. 34%

4. 38%

5. 29%

6. 50%

7. 57%

8. 50%

9. 36%

switch  $\rightarrow$  10. 55% Y  $\leftarrow$  B  $\rightarrow$

6/C not learning 80%

12. 63%

13. 80%

14. 74%

15. 71%

16. 68%

17. 74%

18. 69%

19. 85%

20. 82%

21. 73%

22. 86%

23. 94%

switch  $\rightarrow$  24.  $\leftarrow$  R  $\rightarrow$

prob. learned

Reward .085 (1418)

unt 23  
well ~~18~~

Ignore 1st set of  
neural files

FM

1. 1-50  $\nearrow$

2. 1-50  $\swarrow$

3. 6-50  $\nwarrow$

4. 1-50  $\swarrow$

5. 2-50  $\uparrow$

6. 1-50  $\uparrow$

7. 1-27  $\uparrow$

7. 38-50  $\uparrow$

8. 1-50  $\uparrow$

9. 1-50  $\uparrow$

10. 1-50

Units

2. A

5. B

6. B

7. B

12. B

21. A

22. B

23. B

← fund in ~~block~~ 8

150 ml

Marty Session 95 Block B SP24 10/17

Reward: 0.95 [1.4 18]

1. 76% B↑ Y↓ guessing

2. 28%

3. 37%

4. 41%

5. 60%

6. 49%

7. 50%

8. 58%

9. 59%

10. 60%

11. 60%

12. 62%

13. 56%

14. 51%

15. 35% B→ Y ← q'd

16. 27% paused - "time out" at trial 15

then recalibrated

switch ~~250ml~~

17. 76% YT R↓

18. 62%

19. 44% paused @ trial 47

20. 58%

21. seems to have stopped giving a shit

22. 48%

50% 100ml

49% 48%

Units

1. B

2. A

3. 3 units

4. B

5. C

6. C

7. A

8. C

9. G B - added in block 16

10. C

11. B

12. C

13. B

14. B

15. B

16. C

17. A

- added in block 16

100mL  
didn't learn

Continued on Pg

Read and Understood By

Signed

Date

Signed

Date

Marty Session 96 Block C SR4 10/18  
reward: .085 [1.4, 1.8]

Dec 7  
Block 20

1. 51% YTR↓

2. 60%

3. 72%

4. 60%

5. 76%

6. 72%

7. 78%

8. 71%

9. 72%

10. 74%

11. 68%

12. 76%

13. 72%

14. 58%

15. 76%

16. 78%

17. 71%

18. 82%

19. 84%

20. 62%

21.

724/1006/1016

78% 71%

FM

1. 1-50 ↗

2. 1-50 ↗

3. 3-50 ↗

4. 1-50 ↗

5. 11-50 ←

6. 1-50 ←

7. 1-15 ←

7. 25-50 ↓

8. 1-50

9. 1-50 ↓

10. 1-3 ↓

Units

1. B

2. A

4. D

5. B

7. B

10. D

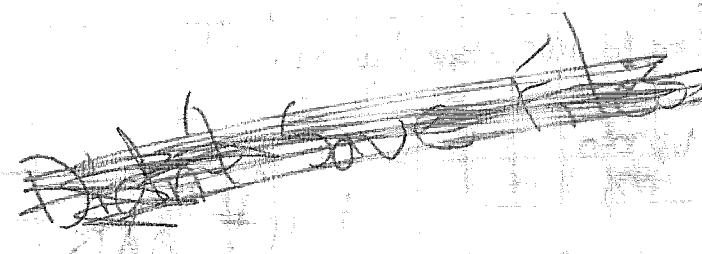
18. D

19. D

20. 3 units

21. 2 units

160 mL



69

Marty Session 07 Block A SP24 10/24

reward: 085C(1.8)

1. 65% Y ← R →

2. 90%

3. 86%

4. 88%

switch → 5. 24% R↑ Y↓

6. 33%

7. 26%

8. 43%

9. 29%

10. 27%

11. 60%

12. 45%

not learning 13. 56%

switch → 14. 57% Y → R ←

15. 829%

16. 56%

17. 50%

18. 50%

19. 7%

20. 64%

21. 60%

22. 65%

23. 63%

24. 66%

FM

1. 150 ↗

2. 150 ↗

3. 150 ↗

3. 17-50 ←

4. 150 →

5. 1-35 ←

6. 37-50 ✓

7. 1-50 ↗

8. 1-21 ↗

8. 44-50 ↗

9. 1-50 ↗

10. 1-50 ↗

11. 1-16 ↗

Units

1. C

S D

10. D

H. 20mls

13. C

18. C

24. C

32. C

6381/16311201

55% 53%

150 ml

Did not Record

Continued on Pa

Read and Understood By

Signed

Date

Signed

Date

Marty Session 98 Block A SR4 10/25  
reward .085 [1.4.1.B]

1. 88% Y-B→  
2. 92%  
switch → 3. 92%  
after trial 2 → 4. 84% B→B↑  
5. 94%  
switch → 6. 92% Y-B↑R↓  
7. 67%  
8. 66%  
9. 52%  
10. 67%  
11. 60%  
12. 60%  
13. 58%  
14. 50%  
15. 42%  
16. 64%  
17. 52%  
18. 56%  
19. 10%  
20. 52%  
real → 21. 60%

CAB PAA 1/1054  
69% 61%

110 mL

elec 1  
block 5

elec 2  
block 16

FM

1. 1-50→  
2. 1-50↔  
3. 1-7↔  
3. 10-50 ↑ ↓  
4. 1-50 ↓  
5. 1-29 ↑  
5. 31-50 ↓  
6. 1-50 ↑  
7. 1-28 ↓  
7. 29-50 ↓  
8. 1-50 ↓  
9. ~~1-50~~ ↓  
10. 1-50 ↓

Units

1. 2 units  
4. C  
5. C  
7. C ← ~~to~~ added block 5  
12. C  
17. D  
18. D  
24. B  
32. C ← addition block 16  
32. C

May 1 Session 02 Block B 524 10126

Revised: 085 [1418]

140g BTY

FM

Units

2. 37%

1. 1-0 ✓

1C

3. 44%

2. 1-50

2. 2 units

4. 55%

3. 1-50

3. 2 units

5. 58%

4. 1-9

5. 2 units

6. 61%

5. 1-50 ↗

6C

7. 41%

6. 1-50 ↗

8C

8. 55%

7. 1-50 ↗

15C

9. 43%

8. 1-50 ↗

Strong hemodynamic

10. 52%

9. 1-50 ↗

activity of receptors

11. 51%

10. 1-50 ↗

units

12. 34%

11. 1-8

13. 49%

Exited decreased

14. 150/150

1. 1-50 ↗

47% 45%

2. 1-50 ↗

3. 1-2 ↗

-80 ml

didn't reach

Continued on Pg

Read and Understood By

Signed

Date

Signed

Date

2, Oct 27

Many session 100

Block C

SR3-2, Text size: 60.

1. 54.2%

R ↓ YT

2. 73.3%

3. 63%

4. 65%

5. 63%

6. 75%

7. 68%

8. 66%

9. 75%

10. 78%

11. 70%

12. 62%

13. 74%

14. 61%

15. 85%

16. 68%

17. 80%

18. 71%

Switch → 19. 72%

20. 63%

21. 86%

22. 60%

23. 82%

24. 71%

25. 73%

26. 77%

27. 69%

28. 80%

29. 76%

30. 81%

31. 68%

- added unit in el's

- added unit " 32

- added a

1. 1-SO ↗

2. 1-SO ↗

3. 4-SO ↗

4. 1-SO ↗

5. 6-SO ↗

6. 1-SO ↗

7. 9-SO ↗

8. 1-SO ↗

SC

G.C.

Units

1. 2-A ⇒ there may be 3  
check in affine  
summing

2. C

1. 2-A/B

3. D

8. D

9. D

13. C

H. D

17. D

18. D

~~26. C~~ 28. C

27. C

31. C

32. B/C

200 mL

1080/1515/1584

71% 70%

2 Oct 307

Mark Session 101 Block B SR 324

ignore 1<sup>st</sup> ~~2<sup>nd</sup>~~ set of MATLAB files

d. ~~B~~

1. 68%  $B \leftarrow R \rightarrow$

2. 90%

3. 61%

4. 71%

5. 66%

6. 61%

7. 38%

8. 90%

9. 90%

10. 52%  $B \leftarrow R \uparrow$

11. 49%

12. 53%

13. 49%

14. 56%

15. 42%

16. 58%

17. 49%

18. 40%

19. 63%

20. 44%

21. 72%

22. 65%

23.

784/121/139  
63% (29%) 110 ml

FM

recal

1.  $\downarrow$
- 2.
3. ~~1-50~~  $\downarrow$
3. 1-50  $\uparrow$
4. 1-50  $\uparrow$
5. 1-0  $\uparrow$
5. 1-50  $\leftarrow$
6. 1-50  $\leftrightarrow$
7. 1-26  $\leftrightarrow$
7. 30  $\uparrow$
8. 1-50  $\uparrow$
9. 1-50  $\uparrow$
10. 1-50  $\uparrow$

Units

1. 2 units
2. 2 units
3. S C added block K during
4. 2 units
5. B
6. D
7. 15

Continued on Pg

Read and Understood By

Signed

Date

Signed

Date

May Session 102 SB 4 10/31

Text size: 60 reward: .09 L/H (.8)

1. 86% Y↑ B↓

FM

2. 82%

3. 90%

switch → 4. 98% Y↑ B↓

5. 88%

6. 90%

switch → 7. 98% B↑ R↓

attempt

7. 44%

9. 86%

10. 92%

switch → 11. 90%

12. 58% B↓ R→

13. 47%

14. 81%

15. 80%

16. 74%

17. 68%

18. 88%

19. 80%

20. 70%

21. 74%

22. 92%

23. 86%

switch after  
trial 2 24. 51% R↓ Y→

190 mL

trial 3 25. 51%

avg / 1265 / 278  
75% 74%

Units

3. 2 units

4. D

5. B

7. C

9. 8A

10. 2 units

16. B

2. B

26. C

28. C

Added in  
dock 26

Mathy Session 103 SRM IV

Font size 6.0 reward 09/11/37

143 in block 9  
#7

1. 79% VTBW

2. 92%

3. 76%

4. 82%

5. 78%

6. 83%

7. 79%

8. 84%

9. 80%

10. 74% FVBS

11. 38%

12. 42%

13. 47%

14. 48%

15. 38%

16. 68% C

17. 60% Q

18. 58% A

19. 53%

20. 43%

21. 40%

22.

63% INC/ICB

61% 58%

FM

1. 1-7 F

2. 1-7 S

3. 7-50 ↑

4. 7-50 J

5. 1-50 C

6. 1-50 E

7. 1-9 C

8. 1-70 L

9. 1-18

Units

3. B added in block 9

4. C

7. C added in block 9

8. C

10. C

11. 2 units

12. C

13. C

14. C

15. 2 units

16. C

17. C

100m

Continued on Pa

Read and Understood By

Signed

Date

Signed

Date

Date 7 (Nov 3)

Many Session 104

SR3-2

Text size: 60

Block B

(13)

1. 67%

Y  $\rightarrow$  B  $\leftarrow$

FM

2. 63%

3. 67%

4. 75%

5. 81%

6. 83%

switch  $\rightarrow$

7. 92%

8. 48%

9. 65%

10. 40%

11. 35%

12. 51%

13. 50%

14. 69%

15. 67%

16. 73%

17. 78%

18. 67%

19. 60%

20. 72%

21. 82%

22. 55%

23. 76%

24. 71%

25. 50%

26. 61%

R  $\leftarrow$  B  $\rightarrow$

1. 1-50  $\nearrow$   
2. 1-50  
3. 1-20  $\Rightarrow$   
4. 1-50  $\uparrow$   
5. 3-50  $\downarrow$   
6. 1-50  
7. 8-50  $\searrow$   
8. 1-50

UNITS  
1. D  
3. 2 - B  
5. C  
6. D  
7. C - added block S  
8. C -  
9. D  
10. D  
12. C  
14. C  
15. C  
19. D  
20. C - added block G  
29. C  
37. N  
29. D  
30. D  
31. C

$\Rightarrow$  a lot of juicer-related activity

190ml

Date? (Nov 6)

Marty Session 105 - 5/2/22

Reward .02 [1.418] Textsize: 60

Block C

dec 11/11/21

BTV ↓

1. 52% ~~3%~~

2. 75%

3. 75%

4. 8%

5. 78%

6. 52%

7. 64%

8. 68%

9. 69%

10. 80%

11. 90%

12. 88%

Sum 13. 64%

14. 83% 2 → 4 ↑

15. 70%

16. 96%

17. 100%

18. 92%

19. 62% 2 → 3 ←

20. 51%

21. 83%

22. ~~100%~~ 74%

23. 90%

24. 98%

avg 101.700

17% 16%

FM

1. 150 ↑

2. 150 ↑

3. 150 ↑

4. 150 ↑

5. 136 ↑

6. 44-50 ↲

7. 150 ←

8. 123 ←

9. 39-50 ↓

10. 149 ↓

Units

1. B

2. C

3. B

4. B

8 C

14. C added in Block A 10

18. C

20. C

22. C

25. C

28. C

32. C

Read and Understood By

Continued on Pg

Signed

Date

Signed

Date

Marty Hesson 106 SRH Block B 11/7

Intersize 6 reward .09 (111.8)

1. 96%

2. 62%

3. 67%

4. 56%

5. 49%

6. 47%

7. 47%

8. 49%

9. 63%

10. 66%

11. 68%

12. 82%

13. 82%

14. 94%

15. 94%

16. 94%

17. 58%

18. 298%

surv  
after  
c → RV BT

1. FM  
1. 1-50 ↗  
2. 1-50 ↗  
3. 1-8 ↗  
3. 1-50 ↙  
4. 1-50 ↗  
5. FV2 ↗  
6. 25-50 ↗  
6. 1-50 ↗  
7. 1-20 ↗  
7. 42-50 ↗  
8. 1-50 ↗  
9. 1-50 ↗  
10. 1-50 ↗

Units

1. 2 units  
2. C  
3. C  
4. C  
5. C  
6. C  
7. C  
8. C  
9. C  
10. C  
11. C  
12. C  
13. C  
14. C  
15. C  
16. C  
17. C  
18. C  
19. C  
20. C  
21. C

110 ml