Animal	M676
Penetration	L1
Unit	
Depth	2450 ~~E~~ mm
Screen Dist.	114 cm
Page No.	1

RF Location	
RF Size	
Isolation	1 2 3 4
Responsiveness	1 2 3 4
Ocular Dominance	contra ipsi 1 2 3 4 5 6 7

~~CELL TYPE~~
Neuropixels

Exp #	Program		Comments
1	dir24_sf14	LE	aborted (but saved data
2	ori16	LE	aiming for ~site 6 at x: -2.507 deg, at y: +3.895 deg
3	ori16	RE	" x: -5.417, y: +3.029
4	sf11dirPA	RE	
5	sf11dirPA	LE	
6	L-M_Null	LE	x = -5.417, y = +3.029
didn't save exp 7	L-M_Null	RE	Might have a null? (ch.6) @ iso luminance; x = -2.507, y = ~~+3.029~~ 3.895
8	Get_full_color_grat	RE	size: 4 deg, x = -2.507 deg, y = 3.895 deg
9	ori16	RE	size = 8 deg
10	L-M_Null	RE	size = 1.731, x = -2.507, y = 3.895
11	sf11dirPA	RE	size 8
- MOVED TO DEPTH = 2560.1 -			
12	ori16	LE	same as 2
13	ori16	RE	same as 3
14	sf11dirPA	RE	same as 4 — mirror maybe bumped?
15	sf11dirPA	LE	same as 5

depth = 2450

Animal	m676	A-P		Foveas		Fields
Penetration	L1	M-L		RE:		RE:
Area	V1	V		LE:		LE:
Approach		D-V		Screen distance	114	Responsive sites	

#	Eye	Program	Notes
16	LE	L-M-Null	same as 6 — eyes/mirror moved.
17	RE	L-M_Null	same as 7 — Disgard
18	LE	L-M Null	
19	RE	L-M Null	22.5 = ori, sf 1.225, tf = 6.66
20	RE	ori16	2750.5 = Depth
21	RE	sf11	2750 ori @ 45
22	RE	sf11dirPA	
23	RE	ori16	@ 3050.2 sf = 1.5 Run @ 50 sites - 200 — by handmapping Fields have shifted ~2.5° on ch 31 vs ch 55 SS - 200 @ -2,954, 3,134 while ~310 @ -5,4.775
24 ~~23~~	RE	ori16	@ 3050.2 sf = 1.5 @ 31 sites
25	RE	dir24_sf14	
~~26~~	~~LE~~	~~dir24-sf14~~	~~@ -5.685, 2.223~~ also 23
		* set up dichoptic mirrors / fields drawn onscreen along w/ foved.	
26	LE	dir24.sf14	~~micro~~ original data file not saved so rerun @ new location. → * absolute trash eyes must not see stim
~~27~~	~~LE~~	~~sf11dirPA~~	ori = 67.0 ~~sf = 1.2 opt~~
27	LE	dir24.sf14	eyes non responsive, on LE mirror likely bumped.
		* moved probe to 3650.2	moved mirrors. New foveas: RF = LF = X -2.329 Y 6.267 X = 2.91 Y = 5.86

CH 170

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File Location: /u/vnl/logs/LinArrayLog.pdf

Animal		A-P		Foveas		Fields	
Penetration		M-L		RE:		RE:	
Area		V		LE:		LE:	
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes
28	L	ori 16	RF: -5.09, 4.43. stimulus on site 90. weak pref for 45 — Simple cell
29	L	sf 11 dir PA	same as 28. ori: 45 site 90 pref sf: ~~1.6, vars @ 2~~ 2 (low pass)
30	L	tf 11 dir PA	High pass TF ori: 45 site 90 Could be 4 Cx? sf: 2
31	L	RF size 10	Pref: 0.3 Re-do ori/sf
32	L	ori 16	size: 0.3, SF: 2, TF: 20 ori curve: pretty flat — Re-built spike template
33	L	sf 11 dir PA	Low pass. pref SF: 2
34	L	tf 11 dir PA	unchanged
35	L	rvc 10 asc	
36	L	rvc 10 classic	
37	L	rvc Ortho	no masking effect
38	L	L-M_Null	@ TF = 10 Hz } 0.3 deg
39	L	get_full_color_grat	
40	L	get_full_color_grat	3 deg
41	L	L-M_Null	3 deg
42	B	binocPhase	-tried to map approx RE RF loc on other channels -using a 4 deg patch @ con = 0.35
~~43~~ 43	B	binoc Phase	back on ~~site~~ 90. no obvious rel. phase selectivity

oops, changed audio & forgot to change back

File Location: /u/vnl/logs/LinArrayLog.pdf

Animal	M676	A-P		Foveas		Fields
Penetration	L1	M-L		RE: 2.91, 5.84		RE:
Area		V		LE: -2.328, 6.267		LE:
Approach		D-V		Screen distance	114 cm	Responsive sites	

#	Eye	Program	Notes
44	R	both open ori16	Site 1-384 4 deg for array - testing activity before lowering
45	L	ori16	" Ran @ tf 5 hz
			depth = 4250.6 mm
46	L	ori16	4 deg, tf 5
47	R	ori16	" site 233 responding here
			depth = 4850.6 mm
48	R	ori16	4 deg, tf = 5 Hz expo listening to site 198
49	L	ori16	" site 105
50	L	ori16	Inno: 95 - 478 shifted x pos to -5.909 (y = 4.417)
51	R	ori16	inno 1-384
52	R	sfIIdirPA	@ 67.5° ori, 8 Hz tf, 2 deg size, (1.791, 4.731) x,y expo listening to site 320
53	L	ori16	@ (-5.133, 4.477) 1.6 cpd
54	L	sfIIdirPA	
55	R	ori16	@ (1.552, 1.776) trying to optimize for site 320 260°
56	R	sfIIdirPA	" 2.5 cpd
57	R	tfIIdirPA	" lowpass, use 1.5 Hz

Left side high

Animal	m676	A-P		Foveas	Fields
Penetration	L1	M-L		RE: 2.91, 5.86	RE:
Area		V		LE: -2.328, 6.267	LE:
Approach		D-V		Screen distance 114 cm	Responsive sites

#	Eye	Program	Notes
58	R	ori16	Still Site 320 repeat with updated sf, tf - oops, forgot to stop SpikeGlx until 1st pass of 59
~~58~~	R	ori16	not recording in SpikeGlx, not saved same params as #55 just to check
59	R	ori16	repeat, because of recording mistake
60	R	rfsriel0	(0.6°) @(1.731, 1.88) surround suppressed
61	R	rvc10 asc	
62	R	rvc10 classic	
63	R	rvcOrtho	tf 2Hz, tf mask 5Hz
64	R	L-M_Null	has a null
65	R	get-full-color-grat	
66	L	lfsriel0	not very responsive in this eye - unsure of hand mapping
67	L	rvc10asc	site v. monocular
68	B	binocPhase	1° patch, 0.6 contr.
69	B	binoc Phase	2.2° patch, 100% contr.
70	R	rvcorthoSur3	
71	L	ori16	for site 304 (in Expo) (65°) 4.22 cpd, 0.8° patch, 6.66Hz @(-5.312, 4.462)
72	L	stildirPA	(5 cpd)

* isolation not as good. try spike sorting of this one

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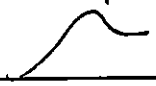
File Location: /u/vnl/logs/LinArrayLog.pdf

Animal	m676	A-P		Foveas		Fields
Penetration	4	M-L		RE: 2.91, 5.86		RE:
Area		V		LE: -2.328, 6.267		LE:
Approach		D-V		Screen distance	114	Responsive sites	

#	Eye	Program	Notes
73	L	lfll dir PA	bandpass, peak ~
74	L	rfsize10	
75	L	rvc10asc	
76	L	rvc10 classic	
77	L	L-M_Null	
78	R	ori16	@(1.73, 1.865) 55° template disrupted during pass 4
79	R	rfsize10	
80	R	rvc10sc	
81	R	binocPhase	looks like some relative phase selectivity!
82	R	binocPhasePASD_2tf	(pilot)
83	L	ori16	Map @ .5°, tf=8, simple cell w/ weak scene input ~ opt sf ~3 CH 1821
84	L	sfll dir PA	
85	L	tfll dir PA	
85A	L	tfll dir PA	only in Expo. Rechecking location
86	L	rfsize10	size = .4°
87	L	rvc10 asc	size = .4,

File Location: /u/vnl/logs/LinArrayLog.pdf

Animal	M676	A-P		Foveas		Fields
Penetration	L1	M-L		RE:		RE:
Area	V1	V		LE:		LE:
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes
88	L	rvc10classic	
89	L	L-M_Null	
90	L	get-full-color-grat	
91	L	rvcortho	
92	R	ori16	
93	B	binocPhase	
94	R	rvcOrthoSw3	
95	L	sfMixLGN	using size 2 degrees so all sfs will be resolved (from size tuning it is somewhat suppressed here, but responding)
96	R	ori16	CH278 isolation too unsensible
97	R	ori16	CH 150 nice cell very low sf hard to find things by hand wrapping. Ori = 180
98	R	sf11dirPA	sf = .4
99	R	tf11dirPA	ori = 180, sf = .4, 2.5° stim
99a (100)	R	~~ori16~~	~~color mixed~~ isolation lost w tf
100	R	~~ori16~~ ori16	CH 162 lose isolation again check on animal
		isolation across so I will run dir 24-sf 14	numerous sites challenging.
100	R	ori16	cell comes back? CH 162

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File Location: /u/vnl/logs/LinArrayLog.pdf

Animal	M676	A-P		Foveas		Fields
Penetration	L1	M-L		RE:		RE:
Area	V1	V		LE:		LE:
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes
101	R	sf11 dir PA	lowpass w/ cutoff @ .625 162
102	R	tfdl dir PA	tf = 9 Hz 162
103	R	~~rvcasc~~ rfsize10	~2° but any where after 162
104	R	~~rvdlclassic~~ rvcasc	162
105	R	rvc10classic	162
106	R	L-M_Null	162
107	R	get_fuse_color-grat	162
		I forego rvcsw3	b/c not very surround suppressed at all 162
~~108~~		moved down a channel I think	162
108	B	~~orib~~ bino phase	
109	R	sfMix~~All~~ LGN	error in spikeglx, additional TTLs. Ask Manu. Easily Fixed.
110	R	ori16	CH 191
111	R	sf11 dir PA	LP@1.5
112	R	tf11 dir PA	cell now on 189
113	R	rvcasc	
114	R	rvc10classic	

Animal	m676	A-P		Foveas		Fields
Penetration	L1	M-L		RE:		RE:
Area	V1	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes
115	R	rfsize10	< 2°
116	R	L-M_Null	
117	R	get_full_color_grat	
118	B	binocphase	
119	R	dir24-sf14	
120	L	dir24-sf14	
121	R	tf11dirPA	optimizing for array. sf=1, ori=135
122	~~B~~ L	tf11dirPA	same decae... but ori = 60 sf=2.5
123	B	LSRC	L: $\begin{pmatrix}x\\y\end{pmatrix}=\begin{pmatrix}-4.641°\\3.611°\end{pmatrix}$, R: $\begin{pmatrix}x\\y\end{pmatrix}=\begin{pmatrix}2.313°\\1.06°\end{pmatrix}$ $\phi=3°$ (whole array)
124	L	nat1	$\begin{pmatrix}x\\y\end{pmatrix}=\begin{pmatrix}-4.641°\\3.611°\end{pmatrix}$ whole array
125	L	nat2	$\begin{pmatrix}x\\y\end{pmatrix}=\begin{pmatrix}-4.641\\3.611\end{pmatrix}$ whole array couldn't save or ~~record~~ view, spikes in expo w/o timebase overruns
126	R	nat1	$\begin{pmatrix}x\\y\end{pmatrix}=\begin{pmatrix}2.313\\1.06\end{pmatrix}$ couldn't run w/o immediate timebase overruns. ran anyway. TB overruns stopped @ 30
127	R	nat2	$\begin{pmatrix}x\\y\end{pmatrix}=\begin{pmatrix}2.313\\1.06\end{pmatrix}$ immediate timebase overruns. stopped @ 30
128	R*	ori16	* both eyes open 3° patch
129	R	rfsize10	
130	R	rvcAthOri2Size2reduced	tf6 tfmask9 ABORTED — Monitor mean luminance not restored after nat2

Animal	m676	A-P		Foveas		Fields
Penetration	L1	M-L		RE:		RE:
Area	V1	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes
			focus on upper sites (~300-350)
131	R	rfsize10	repeat, slightly diff. location, correct near lum.
132	R	rvcOrthoOri2Sreducedsize	1st 3 cpd size 0.9°, ori(70,100) tf(6,9)
133	R	rvcOrthoSize2	sites fairly surround suppressed → changed "large" size to 2 deg. to test
255 134	L	ori 16	characterize site 255 280° DS CX
135	L	sfIIdirPA	2.5 cpd bandpass
136	L	tfIIdirPA	bandpass, pref @ 6 hz?
137	L	rf size 10	pref. 1.3°
138	L	rvc10asc	
139	L	L-M_Null	achromatic Spike kinda crappy,
140	Both	Binocphase PASD_2tf	contrast 0.5, size 3° oriL: 70 resuming array oriR: 60 char.
141	L	CSD	scrx=-5.238 scry=4.029 sf: 1.5 size: 10
142	R	CSD	scrx=2.313 scry=1.06 sf: 1.5 size: 10
143	B	binocPhasePASD_2tf	con=1.0
144	R	localizer 11x11	hopping to capture RF shift from upper (V1?) to lower (V2?) ~250-350 ~1-216
145	L	localizer 11x11	"
146	L	get_full_color_grat	3°

Animal	M674
Penetration	4
Unit	
Depth	4980.6 (5450.1) mm
Screen Dist.	114 cm
Page No.	11

RF Location	
RF Size	
Isolation	1 2 3 4
Responsiveness	1 2 3 4
Ocular Dominance	contra ipsi 1 2 3 4 5 6 7

CELL TYPE

Exp #	Eye	Program	Comments
147	L	L-M_null	
148	R	Get_full_color_grat	
149	R	L-M_null	
		advanced probe to 5450.1	
150	R	ori16	switched to imro 95-478
151	~~R~~ L	ori16	switched back to 1-384
152	L	dir24_sf14	don't use Expo spikes
153	L	CSD	
154	R	CSD	
155	R	dir24L sf14	
52 156	L	ori16	site 52 low responses to anything
157	L	sf11dirPa	$\binom{x}{y} = \binom{-6.715}{4.596}$ ori: 350 size: 1.3. Nonsense
158	L	ori16	sf 0.6, tf 3.5 Expo has site 61 (poor isolation)
159	L	sf11dirPA	ori 105° "
160	L	tf11dirPA	"
161	L	rfsize10	40 "

forgot to stop recording in SpikeGLX

File: /n/vni/logs/RecordingLog.pdf

Animal	m676	A-P		Foveas		Fields
Penetration	L1	M-L		RE:		RE:
Area		V		LE:		LE:
Approach		D-V		Screen distance	114	Responsive sites	

depth 5450.1

#	Eye	Program	Notes
162	L	rfsine10	repeat
163	L	rvc10asc	
164	L	L-M_Null	
165	L	rvcOrtho	
166	L	gct_full_color_grat	
167	R	onl6	
168	R	rvc10asc	@95°
169	R	rfsine10	
170	B	binocPhasePASD_2tf	ori x y L 105° (-6.715, 4.5961) R 95° (-0.1343, 1.835) 5° size Con 1.0
171	B	binocPhasePASD_2tf	Con 0.3 ignore Expo "spikes"
172	R	nat1	
173	R	nat2	
174	L	nat2	
174	L	nat2	
175	R	nat1	
176	B	TOQuick	

Animal	m676	A-P		Foveas		Fields
Penetration	L1	M-L		RE:		RE:
Area		V		LE:		LE:
Approach		D-V		Screen distance		Responsive sites	

Depth = ~~5446~~ 5450.1

#	Eye	Program	Notes
~~177~~	~~R~~	~~nattex32~~	
177	B	CSD	
178	B	LSRC	5° stim
179	R	nattex32 - rich	ch 164 rec too
180	L	nattex32 - rich	ch 164 rec too
181	R	get-full-color-grat	ch 174 rec in expo
182	R	get-full-color-grat	SU from ch 174 optimized ori
182A	R	L-M-Nuee	Prof cells can have ? no nuees!
			retracting!

Animal	~~m676~~ m676	**A-P**		**Foveas** L: -3.45 4.90 R: -1.43 6.67		**Fields**	
Penetration	L*2	**M-L**		**RE:**		**RE:**	
Area	V1/V2	**V**		**LE:**		**LE:**	
Approach		**D-V**		**Screen distance**	114cm	**Responsive sites**	

#	Eye	Program	Notes	Ch. in Expo
3600 1	R	ori16 current depth 3600.1	ran large (10°) spans sites 1-230	137
2	L	ori16	ran large (10°)	137
4100		advanced	to 4100	
3	L	ori16	ran large (8°)	102
4	R	ori16	ran large (8°) spans contacts 1-290 (R eye dominant?)	102
↓ 4600 5	R	~~oc~~ ori16	ran @ 3 degrees because things seem surround suppressed	
P2L* 1	R	ori16	Begin characterization for site: 258 - lost isolation	258
6	R	dir24_sf14	ran @ 10°	266 poor isolation
7	L	dir24_sf14	ran @ 10° not great isolation	17
8	L	nat1	lowered monitor luminance no timebase overruns	
9	L	nat2	no timebase overruns	132 weakly driven
10	B	CSD	raised monitor luminance	
11	R	nat1	lowered monitor luminance high timebase overruns site 154 might have interesting responses	154
12	R	nat2	high timebase overruns	154
13	B	LSRC	raised monitor luminance centered for V1 RFs, size 3 deg. — encroaches on V2 but doesn't cover	
14	L*	ori16	both eyes open 1.8° patch - over V2 depth = 4851.5	5 well isolated

and look at that tuning!

ori

Imro: 1-384

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File Location: /u/vnl/logs/NeuropixelLog.pdf

Animal	M676	A-P		Foveas L (-3.45, 4.90) R (-1.43, 6.07)		Fields
Penetration	P2 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach	~normal	D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
l2 #1	L	sfIIdirPA	Con = 45° (x,y) = (-5.875, 2.45) kinda likes all sfs - v. broad	5
l2 #2	L	tfIIdirPA	[redacted] a bit weird	5
l2 #3	L	rfsize10	doesn't look well centered	5
l2 #4	L	rfsize10	@ (-6.126, 2.246) also not centered	5
l2 #5	L	~~rfsize~~ ori16	@ (-6.11, 2.248)	5
l2 #6	L	rvc10arc	@310° nonsense	5
l2 #7	L	rvc Ortho	310° tfs (4,7) [redacted] kinda weird	5
l2 #8	L	get_full_color_grat		5
l2 #9	R	ori16	Spike also stopped saving (disk full)	5
l2 #10	B	BinOC_phase PASD 2tf	saved only spike 5 (expo) because Drive: N was full	5
5451		advanced to	5451.1	
		advanced to	6050.1 +	
15	L*	ori16	~~large, both eyes open~~	
16	R*	ori16		
17	B	CSD		
18	L	dir24_sf14		54

Imro: 1-384

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Animal	M6716	A-P		Foveas ~~L (-3.45, 4.90) R (-1.43, 6.07)~~		Fields
Penetration	P2 (LH)	M-L		RE: (-1.43, 6.07)		RE:
Area	V1/V2	V		LE: (-3.45, 4.90)		LE:
Approach		D-V		Screen distance	114 cm	Responsive sites

#	Eye	Program	Notes	Ch. in Expo
19	R	dir24_sf14		54
20	R	natTex32_rich	4° is a bit small to capture all RFs imro = 2-384-even-385-767-odd	
21	R	natTex32_rich	imro 2-767 alt 26	121
22	L	natTex32_rich	imro 2-767 alt 26	121
23	L	nat1	imro 1-384	121
24	L	nat2	imro 1-384	121
25	R	nat2	imro 1-384	121
26	R	nat1	imro 1-384	121
27	B	LSRC	5° size bkgrnd set to .38	121
28	R	tf11dirPA	sf = 2 cpd ori = 195°	121
29	L	tf11dirA	same settings	121
30	B	binocPhasePASD_24f	ori = 195 sf = 2 tf = 3	121
31	R	sparseDots_1eye	Density = 2 size = 1 exts = 4 dotsize = .2 speed = 10	121
~~33~~	R	get_full_color_grat	hand mapped and optimized	121
L4 1	R	ori16 IMRO:285-608	f = 1°, tf = 5 Hz, sf = 0.7 cpd → Centered for ori (RF) = (3.26°, 0.47°)	286
2	R	sf11	w/ Θ = 180° → Peak @ 0.6 cpd	286

Imro: 1-384

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File Location: /u/vnl/logs/NeuropixelLog.pdf

Animal	m676	A-P		Foveas		Fields	
Penetration	P2 (L. hem) P3	M-L		RE:		RE:	
Area	V1/V2	V		LE:		LE:	
Approach		D-V		Screen distance	114cm	Responsive sites	

	#	Eye	Program	Notes	Ch. in Expo
L4	3	R	tf10 imro=225-608	w/s f=0.6 cpd Band pass, flat b/t 2-14 cps	286
	4	R	rfsize/0	w/tf=5 Hz → ϕ=1-2°, but 3 ≥2 cells here—	286
			Nothing huge in V1	but el num a few more population stim	
P2	32	B	TOQuick imro=1-384	car {tf: 4 Hz, sf: 2cpd, dir: 180°} L:(-6.11°, 2.24°), R:(3.236°, 1.21°) ϕ=6.32°	115
	33	B	CSD	ϕ=20°, sf=1.05cpd, (x,y)=(0.141°, 1.194°)	115
			Now at depth=5450, imro=1-384		
	34	R	ori16 Aimed for V1 contacts 1150-384, 5ppm	(x,y)=(5.215°, 0.99°); tf=4.5 Hz sf=0.455cpd, ϕ=2.5°	314
	35	L	ori16	(x,y)=(-4.1°, 1.555°) " "	314
	36	B	CSD	ϕ=19.5°, (x,y)=(0.188°, 0.236°), sf=0.455cpd	314
			retracted probe to 4724.		
	37	R	ori 16		
P3			Penetration 3	@ 3017	
	1	R	ori16 imro: 1-384	ran@ 2.5 deg. sites 1-160	
	2	L	ori. 16	ran@ 2.5 deg. sites 1-160	
			advanced to	3500 Also on separate sheet	
	3	R	ori 16	ran@ 2.5°	

Imro: See notes per exp.

Animal	m676	A-P		Foveas L: X -3.447 R: X: -1.43 Y 4.904 Y: 6.67	Fields
Penetration	L #2	M-L		RE:	RE:
Area		V		LE:	LE:
Approach		D-V		Screen distance	Responsive sites

#	Eye	Program	Notes
1	R	ori16 current depth 3600.1	ran large to characterize contacts (10°) spans sites 1-230 recorded site: 137
2	L	ori16	ran large (10°) recorded site: 137
		advanced to	4100
3	L	ori16	ran large ~~(10°)~~ (8°) recorded site 102
4	R	ori16	ran large (8°) spans contacts 1-290 (everything more R eye dominant?)
		advanced to	4600

Page:

Animal	m676	A-P		Foveas		Fields
Penetration	P3 (Left hem)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
1	R	ori16 imro: 1-384	ϕ=2.5° (x,y)=(5.168°, 1.115°) sites 1-160 active	
2	L	ori16 Depth @ 3017μm	(x,y)=(-4.138°, 1.791°) ϕ=2.5° tf=5.6Hz	
		Depth now 3500 μm		
3	R	ori16	(x,y)=(5.184°, 1.037°) ϕ=2.5° tf=5.6Hz sf=0.755cpd	
4	R	ori16	sf=0.6cpd ϕ=4.6° (x,y)=(4.225°, 0.503°) tf=4.9Hz Active up to ch: ~200-210	34 not isolated until 2nd penetration
5	L	ori16	(x,y)=(-5.042°, 1.838°) ϕ=4.29° sf=0.83cpd tf=5.26Hz	34
6	R	ori16	depth=4100.4	
7	L	ori16	sites 46-260 active	
8	L	ori16	depth=4600.1	33
9	R	ori16		
~~10~~	~~L~~	~~ori16~~		
25 #1	L	ori16	(-4.854, 1.916) SF 1 tf 6.6 Size 0.7 75°	154
25 #2	L	sfl1dirPA	1.6cpd	154
25 #3	L	tfl1dirPA	4.3Hz	154
25 #4	L	rfsize10	not centered well	154
25 #5	L	rfsize10	(-4.712, 1.791)	154

Imro: See prog. notes

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Watch eyes open

isolating 9

try spike sorting on this one

Animal	M676	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach	normal	D-V		Screen distance	114 cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
L5 #6	L	rfsize10	Depth = 4100 μm (-4.901, 1.696) is this RF just really not round?	154
L5 #7	L	rvc10asc	0.6° @ (-4.854, 1.916) Co ~ 16%	154
L5 #8	L	rvcOrtho	strongly sub-additive	154
L5 #9	L	L-M_Null	null, but on last pass a human in RF	154
L5 #10	L	get_full_color_grat		154
L5 #11	R	ori16	@ (5.089, 1.068) pretty untuned	154
L5 #12	R	rfsize10	nicer, 0.6°	154
L5 #13	R	rvc10asc		154
L5 #14	R	L-M_Null		154
L5 #15	R	get_full_color_grat		154
L5 #16	B	binocPhase	2°, 100% contrast	154
L5 #17	B	binocPhase	2°, 30% contrast	154
L5 #18	L	rvcOrthoOri2Size2reduced		154
L6 #1	R	ori16	Pref: 180°	194
L6 #2	R	sfdir11PA	Pref: 1cpd may need spike sorting	194
L6 #3	R	tfdir11PA	8.5Hz	194

Imro: 1-384

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Animal	M676	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
L6 #4	R	rfsize10	Depth = 4600 μm Pref 1°	194
L6 #5	R	rvc10asc		194
L6 #6	R	L-M_Null		194
L6 #7	R	get_full_color_grat		194
L6 #8	R	rvcOrtho	Needs spike sorting	194
L6 #9	L	ori16	Not driven in left eye? didn't save expo	194
L6 #10	L	rfsize10	Poorly driven	194
L6 #11	B	binocPhase	Con: 100	194
L6 #12	B	binocPhase	con 50%	194
L6 #13	R	sfMixHalfInt	losing spike – spike sort me	194
#10	B	CSD		~~81~~ 80
#11	L	dir24_sf14		
#12	R	dir24_sf14		296
#13	B	LSRC		296
L7 #1	L	ori16	52° LX	296
L7 #2	L	sfIIdirPA	2.5cpd	296

Imro: 1-384

Animal	nm076	A-P		Foveas		Fields
Penetration	p3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
l7 #3	L	tfll dir PA	Depth = 4600 μm 5Hz	296
l7 #4	L	rfsizelo	@(-4.524, (.791)	296
l7 #5	L	rfsizelo	@(-4.571, 1.916)	296
l7 #6	L	rvclo asc		296
l7 #7	L	L-M-Null		296
l7 #8	L	rvcOrtho		296
l7 #9	L	get_full_color_grat	don't use Expo spikes	296
l7 #10	R	ori16	52°	296
l7 #11	R	rfsizelo		296
l7 #12	R	rvclo asc		296
l7 #13	B	binocPhasePASD_2tf	cont. 100%	296
l7 #14	B	binocPhasePASD_2tf	cont. 30%	296
l7 #15	L	sfMixInt	sfRef=1.73 cpd ϕ=2° tfe=5 Hz θ=52°	296
#14	R	nat 1		
#15	R	nat 2		
#16	L	nat 2		

Imro: 1-384

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Animal	m676	A-P		Foveas		Fields	
Penetration	P3 (LH)	M-L		RE:		RE:	
Area	V1/V2	V		LE:		LE:	
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
		Depth: 4600 μm		
#17	L	mat 1 imro: 1-384		
#18	B	CSD	ϕ=20°, sf=1cpd, $\begin{pmatrix}x\\y\end{pmatrix}$=(0, 1.3°) → Expo monitor RGB on 0.38 instead of 0.5	
#19	L	ori16 (both eyes open)	Both eyes open ϕ=3°, tf=5Hz, sf=1cpd $\begin{pmatrix}x\\y\end{pmatrix}$=(-4.053°, 1.822°)	72
#20	B	CSD	As in #18, but with correct monitor setting	72
		New depth: 5600 μm		
21	R	ori16	sf: 1cpd ϕ=3° tf=5Hz $\begin{pmatrix}x\\y\end{pmatrix}$=(5.262°, 0.895°) (1-90, at least) V2 more active	266
22	L	ori16	As in #21, but ϕ=4°, $\begin{pmatrix}x\\y\end{pmatrix}$=(-5.058°, 1.838°) when V1! (>200)	266
23	B	CSD	$\begin{pmatrix}x\\y\end{pmatrix}$=(0°, 1°) sf=1cpd ϕ=20° Potential pauses in GLX recording?	266
18 1	R	ori16	sf=0.755cpd tf=5Hz ϕ=2° $\begin{pmatrix}x\\y\end{pmatrix}$=(5.372°, 0.927°) → θ_{pref}=215° (not DS)	348
18 2	R	sf ⊥ dir PA ← Final expo files	w/ θ=215° → bandpass, peaked 1.5cpd	348
18 3	R	tf ⊥ dir PA ← Final expo files	w/ sf=1.5cpd → low pass, falls off after 9 Hz	348
18 4	R	rf size 10	w/ tf=5Hz Center estimate off	348
18 5	R	rf size 10	Again, but @ $\begin{pmatrix}x\\y\end{pmatrix}$=(5.451°, 0.833°) 1st estimate is better	348
18 6	R	rvc 10 asc	w/ ϕ=1° Is the spike gone??	348
18 7	R	rvc 0 orth	w/ tf/Mask=8Hz → Absolutely nothing... spike disappears	348
24	L	dir24-sf14	$\begin{pmatrix}x\\y\end{pmatrix}$=(-4.697°, 1.916°) ϕ=10°	104

Imro: 1-384, unless oth. noted

Animal	m676	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

L9

#	Eye	Program	Notes	Ch. in Expo
L9 #1	L	ori16	Pref: 220 re-run @ sf 6cpd	376
L9 #2	L	sfdirPA	Pref: 6.1 cpd	376
L9 #3	L	ori16	lost spike	376
25	L	ori16		375
26	R	ori16		
27 26	R	ori16	changed IMRO to 305-688	330(
28	R	ori16 imro: 577-960	(x,y)=(5.985°, 0.785°) sf=0.7cpd tf=5.14Hz θ=4°	184 (first ~155 on 176)
29	L	ori16 imro 1-384	both eyes open x,y=(-6.032, 1.932) size=2°	
30	L	nattex32_rich	ran @ 5603.1 stopped after 40 passes to give diazepam	344
L#10 #1	L	ori16	Pref 65° cx OS	344
L10 #2	L	sfdirPA	2cpd	344
l10 #3	L	tfilldirPA	2.3 Hz	344
l10 #4	L	rfsize10	x -4.524 Y 1.869 poorly centered	344
L10 #5	L	rfsize10	x -4.665 Y 1.979	344
l10 #6	L	rfsize10	(-4.697, 1.681)	344
l10 #7	L	rfsize10	(-4.618, 1.791) help.	344

Imro: 1-384
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Animal	Nb76	A-P		Foveas		Fields	
Penetration	P3 (LH)	M-L		RE:		RE:	
Area	V1/V2	V		LE:		LE:	
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
L10 #8	L	nvc10asc		344
L10 #9	L	L-M_Null	nulls @ ~ ϕ	344
L10 #10	L	get_full_color_grat		344
L10 #11	L	nvcOrtho		344
L10 #12	R	ori16	(x: 5.262 Y: 0.738)	344
L10 #13	R	rfsize10	size: 0.664°	344
L10 #14	R	nvc10asc		344
L10 #15	R	L-M_null		344
L10 #16	R	get_full_color_grat		344
L10 #17	B	binocPhase	switched eye orientations	344
L10 #18	B	binocPhase	LE 60°, RE 45° (Ori)	344
L10 #19	L	nvcOrthoSur3	ACK! Expo cycling sequentially Spike shrinking a little	344
L10 #20	L	nvcOrthoSur3	repeat, fewer passes spike sort me —	344 → 343
L10 #21	R	ori16	seems different maybe repeat - Expo didn't save #12	343
L11 #1	L	ori16	41° cx, OS isolation=4 nice spike! *V. responsive=4	368
L11 #2	L	sfIIdirPA	3cpd bndpass	368

Imro:	1-384
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Animal	M676	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114 cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
l11 #3	L	tf11dirPA	4Hz	368
l11 #4	L	rfsize10	1.3° x: -4.571 y: 1.885	368
l11 #5	L	rvc10asc	sensitive, high gain	368
l11 #6	L	L-M_Null		368
l11 #7	L	get_full_color_grat		368
L11 #8	L	RvcOrtho		368
L11 #9	R	oriIle	223°	368
l11 #10	R	rfsize10	1.3°	368
L11 #11	R	rvc10asc		368
l11 #12	B	binocPhase PA80_2tf		368
l11 #13	R	L-M_Null		368
L11 #14	R	get_full_color_grat		366
l11 #15	L	rvcOrthoSur3		366
l11 #16	L	SFMixHalfInt	note - cell is pretty bandpass for sf	366
l11 #17	L	rvcOrthoOri2Sizereduced	imro = 145-528 hoping to center V1 better	366 (some) → 364
31	B	CSD	imro = 145-528	364

Imro: 1-384 / 145-528

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Animal	M674	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114 cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
32	X	optoBasic	test of setup 20ms 20hz	364
33	X	optoBasic	test 200ms 20 hz	364
l11 #18	L	online	(imro 145-528) both eyes open checking that we have same cell	364
l11 #19	L	SfIIdirPA	" both eyes open	364
l11 #20	B	binocPhaseFASD_2tf	Contrast 0.12	364
34	B	TOquick	dircar = 42° tfcar = 4 Hz sfcar = 3 cpd stindia = 5° oops! RE occluded	364
l11 #21	L	rvc10classic		364
l11 #22	L	rvc10asc		364
35	B	Toquick	both eyes open this time	364
36	L	natter32_rich	imro 1-384	364
37	L	get_full_color_grat	imro 145-528 225° ori 4 Hz 2° size	362
38	R	get_full_color_grat	imro 145-528	362
39	B	CSD	imro 1-384, for comparison w/ 36	362
			depth = 5900.2	
40	L*	online	both eyes open 3.5° patch, 4 Hz, 2 cpd imro 1-384	37
41	R*	online	both eyes open	37

Imro: 145 - 528 (V1) / 1-384

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Animal	M6716	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
42	R	ori16	depth = 5900.2	364
43	R	ori16	depth = 6000.2	364
44	R	ori16	optimized for V2	65
45	R	nattex32-rich	4a	72?
46	L	nattex32-rich	4v different V1/V2 spheres; more added later	72
47	R	ori16	Hawk suggestion scrios IMRO 175-558 of oris 2°, sf=.9	17
48	R	ori16	about equal response in each eye. @2° @ sf=.9. ori cell	7
49	R	ori16	same as before in terms of params but slightly better in right eye	380
50	R	ori16	bigger in right eye. same settings extra tt1s! remove post hoc	375
51	R	ori16	bigger in right 5.231, .895	364
52	L	ori16	-4.744, 1.932	364
53	R	ori16	5.702, 1.021 weakly orientation selective DC	356
54	R	ori16	5.608, .927 ori selective stronger in right	346
55	L	ori16	-4.712, 1.979 sf=.9, tf=4, size=1	346
56	R	ori16	2 units both simple sounding but orientation selective	341
57	R	ori16	hashy but simple, stronger on right. DS simple by ear! But not by analysis...	334

IMRO 175-558

Imro: See notes → 1-384 unless noted

Animal	M676	A-P		Foveas		Fields
Penetration	P3	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114 cm	Responsive sites	

#	Eye	Program	Notes
58	R	ori16 imro: 175-558	~~about t~~ about same in each eye 324
59	L	ori16	Unoriented 318
60	R	ori16	unoriented @ 5.262, .974 318
61	R	ori16	stronger in right 5.325, .942 309
62	R	" "	Cell 298
63	R	" "	other mua recorded 298
64	R	" "	290
65	R	" "	284
66	R	" "	5.262, .895 sf=1 272
67	R	" "	5.356, .942, sf=1, tf=8, size=1 oriented 266
68	R	" "	258
69	L	" "	-4.791, 1.932 sf=1, tf=7 246
70	L	" "	same 233
71	L	" "	-4.759, 1.964, sf 1, size 1.005, tf 7 226
72	R	subspace	$\phi = 2°$, $\begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} 5.388° \\ 0.942° \end{pmatrix}$ 364
112 #1	R	ori16 IMRO: 1-384	sf=1.5cpd $\phi = 2°$ tf=7Hz $\begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} 3.471° \\ 1.021° \end{pmatrix}$ 63

Animal	M676	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114 cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
l12 2	R	sfll dir PA	w/ $\theta = 335°$ $\begin{pmatrix} 3.471° \\ 1.021° \end{pmatrix}$ → band-pass, peak ~ 0.6 cpd ~~tf=7Hz~~, (X,Y)=	63
l12 3	R	tf10	w/sf = 0.6 cpd → low pass, fall off @ 6.4 Hz	63
l12 4	R	rfsize10	@ $(X,Y) = (3.801°, 1.367°)$ → small, suppressed RF, but off location!	63
l12 5	R	"	$\begin{pmatrix} X \\ Y \end{pmatrix} = (3.613°, 1.178°)$ → Still off, but ok... $\phi = 6°$, drop after 1.5°	63
l12 6	R	rvc10 asc	w/ $\phi = 0.6°$	63
l12 #7	R	localizer 11x11	" " sf = 1, size = .8, 4 spacing coarse	61
l12 #8	R	localizer 11x11		
lh #9	L	localizer 11x11	V2!!! whyyy!	
73	L	hattex32 - rich	@ -6.22, 2.60 $\phi = 4°$	67
74	R	hattex32 - rich	@ 3.4, 1.10 $\phi = 4°$	67
75	R	ori16	sf = 0.6 cpd, tf = 4Hz, $\phi = 1.5°$, $\begin{pmatrix} X \\ Y \end{pmatrix} = \begin{pmatrix} 3.40° \\ 1.1° \end{pmatrix}$ Last taps not saved in spike GLX	67
76	L	ori16	As in 75, $\begin{pmatrix} X \\ Y \end{pmatrix} = \begin{pmatrix} -6.22° \\ 2.608° \end{pmatrix}$	49
77	B	CSD	$\begin{pmatrix} X \\ Y \end{pmatrix} = \begin{pmatrix} -0.5° \\ 0° \end{pmatrix}$ sf = 0.6 cpd, $\phi = 20°$	49
78	B	LSRC	L: $\begin{pmatrix} -6.22° \\ 2.608° \end{pmatrix}$, R: $\begin{pmatrix} 3.4° \\ 1.1° \end{pmatrix}$ $\phi = 30°$	73
79	L	nat2	(X,Y) as in 76 30 fixbase overruns (all in beginning) ↑ 111 ↑ 11	None
80	R	nat2	(X,Y) as in 75	None

Imro: 1-384, unless oth. noted

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Animal	m676	A-P		Foveas		Fields
Penetration	p3	M-L		RE:		RE:
Area	V1/V2	V		LE:		LE:
Approach		D-V		Screen distance	114 cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
81	R	nat1	$(x,y) = (3.4°, 1.1°)$ 30 timebase overruns in beginning	None
82	L	nat1	$(x,y) = (-6.22°, 2.608°)$ No timebase overruns!	None
83	L	subspace	(x,y) as in 82, $\phi = 1.5°$	57 (hash)
84	L	sfll	(x,y) as in 82, $\theta = 70°$ → low pass, falls off after ~1.5-2 cpd, tf=4 Hz	57
85	L	tfll dirPA	" sf=1.5 cpd → ~5-6 Hz is optimal	57
86	B	TO quick	(x,y) as in 81, 82 sf=1.5 cpd $\theta = 70°$ tf=5 Hz $\phi = 1.5°$	70
87	L	get_full-color_grat	Opt. params as above	70
88	B	CSD	$\phi = 200°$ $(x,y) = (-0.5°, 0°)$ sf= 0.6 cpd (As in #77)	70
l13 #1	R	onlle	$(x,y) = (5.324, 0.738)$ 0.895° OS (CX) 153° 2.3 cpd 7.9 Hz	302
l13 #2	R	sfll dirPA	1.2 cpd use 338° instead	302
l13 #3	R	tfll dirPA	3 Hz good isolation, not super responsive * odd tuning	302
l13 #4	R	rfsize10	0.6° strongly suppressed	302
l13 #5	R	rvc10 asc		302
l13 #6	R	L-M_Null	null near isoluminance	302
			NOOO monitor luminance never changed after nat5	
l13 #7	R	onlle	repeat @ proper mean luminance	302

24th - 5th = awful

Imro: 1-384 unless oth. noted

Animal	M676	A-P		Foveas		Fields	
Penetration	p3 (LH)	M-L		RE:		RE:	
Area	V1/V2	V		LE:		LE:	
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
l13 #8	R	sfIIdirPA	use (1.9 cpd)	302
l13 #9	R	tfIIdirPA	now looks lowpass, cutoff 14 Hz	302
l13 #10	R	rfsize10		302
l13 #11	R	rvc10asc		302
l13 #12	R	L-M_Null	Null - now slightly asymmetrical? no maybe not w/ more passes	302
l13 #13	R	rvcOrtho	tf(3,5) static killed spikeGlx on last PETH	302
l13 #14	R	rvcOrtho	repeat	302
l13 #15	R	get_full_color_grat		302
l13 #16	L	on16	(333) C(-4.901, 1.791)	302
l13 #17	L	rfsize10		302
l13 #18	L	rvc10asc		302
l13 #19	L	L-M-Null	√	302
l13 #20	L	get_full_color_grat		302
l13 #21	L	rfsize10	checking mirrors not moved during aspiration looks okay	302
l13 #22	L	binocPhase	nice - pref. phase ~80°, stronger than monoc	302
l13 #23	R	rfsize10	rechecking spi before NEorthoSU3 - OK!	302

Imro: 95-478

Animal	M676	A-P		Foveas		Fields
Penetration	P3 (LH)	M-L		RE:		RE:
Area	V1|V2	V		LE:		LE:
Approach		D-V		Screen distance	114cm	Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
l13 #24	R	rvcOrthoSur3	size 0.6° tf(3,5) Not v. responsive surID = 2° -Surround effects persist too long?	302
l13 #25	B	binocPhasePASD_2tf	actually, cell not v. contrast sensitive may benefit from spike sorting	302
l13 #26	R	SFMixHalfInt		300
l13 #27	R	rvc10classic		300
l13 #28	R	rvc10asc	(for comparison, back to back)	300
89	B	CSD	originally run at incorrect bkgrnd (95-478)	
90	B	CSD	switching to 1-384 IMRO	
91	R	subspace		54
92	B	TOQuick	x -6.1, 2.60 R 4.33, 1.461	55
93	L	get_full_color_grat	-6.1, 2.60 ori 90°, size = 1.5	
94	L	ori16		
~~95~~				
l14 #1	R	ori16	5.749, .754 simpleish strongly biased. θ = 95.5	323
l14 #2	R	sfIIdirPA	sf = 1.5 cpd	323
l14 #3	R	tfIIdirPA		321
l14 #4	R	rfsize10		321

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Imro: 95-478

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Animal	M676	A-P		Foveas		Fields	
Penetration	P3	M-L		RE:		RE:	
Area	V1/V2	V		LE:		LE:	
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
l14 #5	R	localizer11x11		321
l14 #5A	R	rfsize10	quick rf to double check no spike g/x file	321
l14 #6	R	rvcOrth0	θ=85.5 sf=1.5 tf=6 tfmask=4 lose cell to 323 midway	321
		lost it. Sorry....		
l15 #1	R	drift	θ=70	324
l15 #2	R	sfIIdirPA	sf=.8	↓
l15 #3	R	tfIIdirPA	tf=~~6~~ 5	
l15 #4	R	rvcasc		
l15 #6	R	rvcOrtho	great up until 20 passes	
l15 #5	R	rfsize10	5.938, .833	
l15 #7	R	sfMixHalfInt	$\binom{x}{y}_{sin}$ l15 #5 ϕ=1° θ=70° tfC=5Hz	
#95	L	sparseDots-1eye	$\binom{x}{y}=\binom{-6.299°}{2.105°}$ density=2 speed=8 d/s dotsize=0.2°	43

Imro: 1-384 unless oth. noted

Animal		A-P		Foveas		Fields
Penetration	4 (?)	M-L		RE:		RE:
Area		V		LE:		LE:
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
1	B	opto Basic	200 ms pulse	198
2	B	opto Basic	20ms pulse	
3	B	opto Basic	20ms	
4	B	opto Basic	4ms pulse	
5	B	opto Basic	20ms pulse 2 ms ramp	322
6	B	opto Basic	same as ↑ w/ 1sec pause	
			Retracted ~~Moved~~ optical fiber 500uM ~~bar~~	
7	B	opto Basic		306
8	B			206
9	B	opto		246
10		" "		200
11		" "	20ms pulse 2 ms ramp	183
12		opto Basic	200 ms pulses Possibly?	183
13				171
14				150 ~~170~~
15				140 ~~150~~

artifact present

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Animal		A-P		Foveas		Fields
Penetration	4(?)	M-L		RE:		RE:
Area		V		LE:		LE:
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
16	B	opto Basic		~~110~~ 111
17	B	opto Basic		89
18	B	opto Basic		40

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Animal	M676	A-P		Foveas		Fields	
Penetration	P6 (RH)	M-L		RE:		RE:	
Area	V1	V		LE:		LE:	
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
1	B	optoBasic		15
2	B	opto Basic		37
3	B	opto Basic		125
4	B	optoBasic	channels 254 and 269 maybe?	69
5	B	" "	Probably not	269
6		" "		43
7	B	opto Basic		130
			advanced optical fiber 500 microns	
8	B	opto Basic	Ran 200ms	66
9	B	" "	" " didnt save spikes	302
10	B	opto		302

(652)

700

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Animal	m676	A-P		Foveas		Fields
Penetration	7	M-L		RE:		RE:
Area		V		LE:		LE:
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
1	B	optoBasic	Han 20 ms	1
2	B	optoBasic	Han 20ms Possible modulation, coupling?	231 direction selective?
3	B	optoBasic	Han 20ms	5
4 (4861)	B	optoBasic	Han 20ms	9
5 (5000)	B	optoBasic	Han 20ms	1
		moved optical fiber	500um deeper	
6	B	optoBasic		232
7	B	optoBasic		237

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Animal	M676	A-P		Foveas		Fields	
Penetration	8	M-L		RE:		RE:	
Area		V		LE:		LE:	
Approach		D-V		Screen distance		Responsive sites	

#	Eye	Program	Notes	Ch. in Expo
1		opto Basic		
2		opto Basic	Han 200ms	33
3		opto Basic	Zhang 4ms	190
4		opto Basic	Han 20ms	190
5		opto Basic	Han 200ms	190
		Pulled back 500μm		
6			Han 20ms	22
7			Han 20ms	2
P9 1		V2 opto Basic		
P10 1		optoBasic	Han 20ms	
2		opto Basic		14
3		opto Basic	Zhang 4ms	14
4		opto Basic	Han 20ms	14
5		opto Basic	Han 200ms	14

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