NASA Life Sciences Data Archive (http://lsda.jsc.nasa.gov)
Investigator name:Kenneth S. Kosik
Mission (Payload): STS-90 (Neurolab)
Experiment title (ID): Spatial Learning and Memory is Preserved in Rats After Early Development in a Microgravity Environment
File name/Inventory ID: OFAP13/14.pdf

Litter 3136-A
Data entered

NASA Project
Open Field Activity

Subject Number 23

Group P 14 viv R+ 30

Investigator Steward / Temple

# CROSSES	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	SCORE
3	5-12	130g	1 (9)	300.	2168.23	~~IIII~~ ~~IIII~~ ~~IIII~~	III	2
0	5-13	132g	1 (1)	300.	911.17	I	II	0
	Sitting in TR corner - seems timid.							
0	5-14	134g	1	300.	1591.42	~~IIII~~ II	III	0
	not exploring much.							
0	5-15	137g	6	300.	1893.40	~~IIII~~ ~~IIII~~ I	II	0
0	5-17	144g	1	300.	1167.90	III	III	0
	Sitting in EC after some exploring.							

NASA Project
Open Field Activity

Subject Number F11 purple

Group P14 R430

Investigator

# crossings	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
1	5-5	105g		300	3140.60	~~IIII~~		1
4	5-6	110g	1 (5)	300.	1596.79	~~IIII~~ IIII	II	2
3	5-7	116g	1 (4)	300.	2253.66	~~IIII~~ I ~~IIII~~ ~~IIII~~	~~IIII~~ II	1
1	5-8	120g	1 (2)	300.	2358.53	~~IIII~~ ~~IIII~~ ~~IIII~~ II	IIII	1
0	5-10	130g	1 (2)	300.	2061.76	~~IIII~~ II	III	0

not exploring much.-

NASA Project
Open Field Activity

Subject Number F12 yellow

Group R+30 P14

Investigator Temple / Steward

#Crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
2	5-5	115g	1 (12)	300.	3056.87	~~IIII~~	II	1
-started trial over ↳ 20 sparking immediately	5-6	118	1 (1)	300.	1593.58	IIII	II	0
started = 9:20 am 3	5-7	122g	1 (1)	300	1794.10	III	III	1
7	5-8	126g	1 (4)	300.	2653.32	~~IIII~~ I	III	2
4	5-10	131	1 (4)	300	2368.39	~~IIII~~ I	~~IIII~~ II	2

NASA Project
Open Field Activity

Subject Number F13 blue/yellow

Group R+30 P14

Investigator

Shaved- hard to pickup (Polytrad

# crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
2	5-5	107g	1 (13)	300	2049.44	𝍸 1	11	1
10	J-6 moving fast	111g	1 (3)	300.	1985.34	𝍸 𝍸 𝍸 111	𝍸	2
6	5-7	115g	1 (~~2~~ 5)	300.	1899.90	𝍸 𝍸 𝍸 111	𝍸 1	2
6	5-8	117g	1 (3)	300.	2276.56	𝍸 𝍸 1	111	2
6	5-10	129	1 (3)	300.	2074.21	𝍸 𝍸 111	111	2

NASA Project
Open Field Activity

Subject Number F14 orange

Group P14 R+30

Investigator

# crossings	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
0	5-5	104g	1 (H)	300.	733.58	III	I	0
	- not exploring very much							
1	5-6	112g	1 (2) - sitting in	300.	932.90	~~IIII~~	IIII	1
	- some exploration corner							
0	5-7	114g	1 (2)	300.	928.43	I	~~IIII~~	0
	- sitting alot							
2	5-8	118g	1 (5)	300.	1665.67	III	III	1
4	5-10	127g	1 (5)	300.	1898.31	III	IIII	2
	- not exploring alot - more near end - moving fast when exploring							

Data entered

NASA Project
Open Field Activity

Subject Number 23

Group P 14 viv Rt 30

Investigator Steward / Temple

# crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
3	5-12	130g	1 (9)	300.	2168.23	𝍸 𝍸 𝍸	III	2
0	5-13	132g	1 (1)	300.	911.17	I	II	0
	Sitting in TR corner - seems timid.							
0	5-14	134g	1	300.	1591.42	𝍸 II	III	0
	not exploring much.							
0	5-15	137g	6	300.	1893.40	𝍸 𝍸 I	II	0
0	5-17	144g	1	300.	1167.90	III	III	0
	Sitting in EC after some exploring.							

NASA Project
Open Field Activity

Subject Number 24

Group P14 VIV

Investigator Steward / Temple

# crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
2	5-12	133	10	300.	1824.76	卌 卌	𝍸	1
0	5-13	137g	2	300	1910.34	卌 𝍸	𝍸	0
	sitting in EC.							
3	5-14	141	2	300.	2004.00	卌 𝍸	𝍸	2
+10	5-15	147g	7	300.	2414.10	卌 卌	𝍸	2
0	5-17	153g	2	300.	1593.63	卌	𝍸	0
	S+S -							

NASA Project
Open Field Activity

Subject Number 25

Group P14 viv

Investigator Steward / Temple

Crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
7	5-12	115g	11	300.	2287.46	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 IIII	II	2
3	5-13	120g	3	300	2057.12	𝍸 𝍸 II	III	2
6	5-14	123g	3	300.	2017.91	𝍸 𝍸 𝍸 I	II	2
+10	5-15	129g	8	300.	3074.38	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	II	2
	fast - running in circles alot - S+S							
+10	5-17	138g	3	300.	2805.61	𝍸 𝍸 𝍸 II	I	2
	fast							

Litter
3136-A

NASA Project
Open Field Activity

Subject Number 26

Group P14 VIV

Investigator Steward / Temple

# Crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
8 *	5-12	128g	12	300.	2307.02	卌 卌 ||	|	2
	box is skewed - tracking sys. messed up.							
6	5-13	133g	4	300.	1996.67	卌 卌 卌 卌 |	卌	2
2	5-14	136g	4	300.	2289.80 *	卌 ||||	卌 |	2
	sparks in tracking - don't know where from?							
+10	5-15	139g	9	300.	2555.77	卌 卌 卌 ||||	||	2
+10	5-17	147g	4	300.	~~2513.62~~ -6' 2441.62	卌 卌 卌 卌 ||||	||||	2

3136-B

NASA Project
Open Field Activity

Subject Number 27

Group P14 viv

Investigator Steward / Temple

# crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
+10	5-12	142g	13	300.	2453.92	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 I	III	2
+10	5-13 moving fast	147g	5	300.	2476.84	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 II	𝍸	2
+10	5-14 fast	151g	5	300.	2532.69	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 II	III	2
+10	5-15	154g	10	300.	~~2744.56~~ 2672.56	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 II	II	2
+10	5-17 fast - circles	164g	5	300.	3081.18	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	III	2

NASA Project
Open Field Activity

Subject Number 28

Group P14 V/V

Investigator Steward / Temple

Score	Crossings	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	$\bar{X}_1$	$\bar{X}_2$
2	10	5-12	130g	14	300.	2155.69	~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~	III	25	3
1	2	5-13	132g	6	300	1214.38	IIII	III	4	3
		likes corners today.								
0	0	5-14	134g	6	300.	not valid	I	II	1	2
		sitting in BLC		*sparks						
2	8	5-15	138g	11	300.	2209.43	~~IIII~~ II	~~IIII~~ II	7	7
2	7	5-17	145g	6	300.	-3ft. ~~2303.24~~ 2267.24	~~IIII~~ III	~~IIII~~ I		
		pretty fast - sitting in EC								

Litter 3136-B

NASA Project
Open Field Activity

Subject Number 29

Group P14 viv

Investigator Steward / Temple

Score	Crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	T_1	T_2
2	10	5-12	124g	15	300.	2772.17	𝍸 𝍸 𝍸 𝍸 𝍸	III	25	3
1	2	5-13	125g	7	300.	1444.43	𝍸 𝍸 I	III	11	3
		noises outside room - may have caused corner sitting!								
2	5	5-14	127g	7	300.	1513.74	𝍸 𝍸 𝍸 II	II	17	2
		corner sitting - more exploring @ 3'								
2	+10	5-15	130g	12	300.	2686.60	𝍸 𝍸 𝍸 II	IIII	17	4
		fast								
2	+10	5-17	137g	7	300.	2421.92	𝍸 𝍸 III	III		
		fast								

Litter 3136-B

NASA Project
Open Field Activity

Subject Number 30

Group P14 Viv R+30

Investigator Steward / Temple

Score	Crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	T_1	T_2
2	3	5-12	122g	16	300.	1896.02	𝍸 𝍸 𝍸	II	15	2
2	2	5-13	125g	8	300.	1759.89	𝍸 𝍸 𝍸 𝍸 𝍸 I	II	26	2
1	1	5-14	128g	8	300.	1666.40	𝍸 𝍸 I	IIII	11	4
		Sitting in EC - ↑expl. at 4'								
2	5	5-15	133 g	13	300.	1832.61	𝍸 IIII	I	9	1
2	+10	5-17	139g	8	300.	2233.89	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 III	I		
		pretty fast								

Litter
6503-A

Data entered.

NASA Project
Open Field Activity

Subject Number 39

Bluehead

Group P14-AGC

Investigator Steward / Temple

#crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	score
4	5-13	110g	17	300.	2201.41	卌 卌 卌 卌 |||	||||	2
	fast							
4	5-14	114g	9	300.	1564.96	卌 卌 卌 ||	卌	1
4	5-15	119g	5	300.	2467.44	卌 卌 卌 ||	||||	2
3	5-16	124g	1	300.	1740.17	卌 卌 |	卌	2
	not moving very fast							
9	5-18	134g	9	300.	2190.85	卌 卌 卌	卌 |	2

NASA Project
Open Field Activity

Subject Number 40

Group P14 AEC

Investigator Steward / Temple

green head

# crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	score
9	5-13	112g	18	300.	2280.53	𝍸 𝍸 𝍸 𝍸 III	𝍸 III	2
	fast							
7	5-14	115g	10	300.	1534.69	𝍸 II	𝍸 III	2
+10	5-15	120g	4	300.	1736.22	𝍸 𝍸 III	𝍸 III	2
	fast							
2	5-16	124g	2	300.	1931.59	𝍸 III	𝍸	2
	fast - some sitting							
0	5-18	135g	10	300.	1470.10	𝍸 I	III	0
	sitting EC after exploring							

NASA Project
Open Field Activity

Subject Number 41

Group P14 AGC

Investigator Steward / Temple

red

Crosses	Date:	Weight:	Trial No.:	Latency:	Total Distance:	Rears:	Grooms:	Score
8 ?	5-13	96g	19	300	2229.48	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	II	2
+10	5-14	98g	11	300.	2267.34	𝍸 𝍸 𝍸 I	III	2
+10	5-15	102g	3	300.	2265.58	𝍸 𝍸 𝍸 𝍸	IIII	2
+10	5-16	106g	3	300.	2138.72	𝍸 𝍸 𝍸 𝍸 II	I	2
	S&S - fast							
+10	5-18	115g	11	300.	2216.64	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 IIII	0	2