

## Sessions in CRCNS.org hc-3 data set with most number cells from each region

Version 1.0 (July 5, 2014).

(These tables created using queries similar to examples 3 and 4 in document crcns-hc3-data-description)

Without filtering (all cells)

### EC2

topdir	session	minutes	avgRate	nSpikes	nCells
ec013.51	ec013.911	25.2	1.92	52167	18
ec013.51	ec013.910	21.7	2.01	47168	18
ec013.37	ec013.639	23.3	2	44729	16
ec013.45	ec013.805	20.5	1.14	22451	16
ec013.47	ec013.844	30.6	2.78	76456	15
ec013.51	ec013.906	21.7	1.44	28098	15
ec013.33	ec013.542	25.4	4.03	86143	14
ec013.45	ec013.808	36.8	1.4	43176	14
ec013.45	ec013.807	27.5	1.66	38411	14
ec013.45	ec013.806	24.1	1.59	32248	14

With filtering using c.eDist>14 and c.RefracRatio < 0.2  
and c.RefracViol < 0.01

topdir	session	minutes	avgRate	nSpikes	nCells
ec014.12	ec014.123	79.9	3.05	175436	12
ec013.37	ec013.639	23.3	2.41	40472	12
ec013.51	ec013.911	25.2	1.86	33651	12
ec013.51	ec013.910	21.7	2.15	33565	12
ec013.37	ec013.643	15.3	2.62	26557	11
ec014.18	ec014.215	93.3	2.88	161080	10
ec013.37	ec013.642	32.4	2.48	48121	10
ec016.50	ec016.860	90.2	0.85	45835	10
ec013.50	ec013.898	37	1.39	30790	10
ec013.51	ec013.906	21.7	0.93	12178	10

### EC3

topdir	session	minutes	avgRate	nSpikes	nCells
ec014.12	ec014.123	79.9	13.72	1117867	17
ec013.42	ec013.762	22.5	1.17	25222	16
ec013.42	ec013.761	19.8	1.18	22415	16
ec013.42	ec013.766	28.8	2.06	53292	15
ec013.42	ec013.764	19.4	1.17	20503	15
ec013.32	ec013.525	30.4	3.11	79269	14
ec013.42	ec013.765	21	1.89	33319	14
ec012ec.22	ec012ec.455	12.6	2.69	28471	14
ec014.13	ec014.134	52.2	16.03	652849	13
ec013.51	ec013.912	38.5	3.27	98120	13

topdir	session	minutes	avgRate	nSpikes	nCells
ec012ec.11	ec012ec.187	18.3	8.24	99425	11
ec012ec.11	ec012ec.189	15.7	6.85	70986	11
ec012ec.13	ec012ec.229	19.4	0.99	12684	11
ec014.12	ec014.123	79.9	20.38	976496	10
ec013.44	ec013.782	61	1.91	69988	10
ec013.44	ec013.786	35.3	2.29	48542	10
ec013.44	ec013.787	28.4	2.36	40324	10
ec013.44	ec013.788	24.5	2.57	34123	9
ec012ec.13	ec012ec.228	18.5	1.33	13281	9
ec013.32	ec013.525	30.4	4.12	60039	8

### EC5

topdir	session	minutes	avgRate	nSpikes	nCells
ec013.18	ec013.198	26.1	2.75	103222	24
ec013.18	ec013.206	14.6	2.03	42625	24
ec013.18	ec013.208	13	2.07	38606	24
ec013.15	ec013.156	17.1	3.53	75969	21
ec013.31	ec013.503	13.3	1.23	20619	21
ec013.31	ec013.482	36.1	1.72	74253	20
ec013.31	ec013.502	11.8	1.34	18945	20
ec013.31	ec013.504	11.1	1.27	16910	20
ec013.28	ec013.406	28	2.18	69585	19
ec013.28	ec013.410	24.7	2.35	66259	19

topdir	session	minutes	avgRate	nSpikes	nCells
ec016.28	ec016.448	90.8	4.85	316878	12
ec013.18	ec013.206	14.6	2.24	19612	10
ec013.18	ec013.208	13	2.26	17623	10
ec012ec.11	ec012ec.189	15.7	6.57	55755	9
ec013.18	ec013.198	26.1	1.57	22084	9
ec016.30	ec016.483	69.8	4.36	146243	8
ec016.28	ec016.457	45.9	6.01	132183	8
ec016.31	ec016.499	61.7	4.31	127688	8
ec012ec.11	ec012ec.187	18.3	8.96	78600	8
ec013.32	ec013.525	30.4	4.82	70345	8

### CA1

topdir	session	minutes	avgRate	nSpikes	nCells
ec014.17	ec014.195	76.3	1.45	551180	83
i01_maze15	i01_maze15_MS.002	24	2.32	274135	82
ec014.16	ec014.183	64.1	1.85	575525	81
ec014.29	ec014.468	66	3.04	925567	77
i01_maze05	i01_maze05_MS.001	15.4	1.24	88404	77
ec014.28	ec014.440	79	3.48	1253661	76
ec014.18	ec014.215	93.3	1.27	538860	76
i01_maze05	i01_maze05_MS.003	14.4	1.44	91251	73
ec014.21	ec014.277	91.9	1.51	599862	72
ec016.37	ec016.582	90.9	2.46	940180	70

topdir	session	minutes	avgRate	nSpikes	nCells
i01_maze15	i01_maze15_MS.002	24	1.93	222422	80
ec014.17	ec014.195	76.3	1.42	508309	78
i01_maze05	i01_maze05_MS.001	15.4	1.25	88039	76
ec014.21	ec014.277	91.9	1.51	599862	72
ec014.18	ec014.215	93.3	0.93	376242	72
i01_maze05	i01_maze05_MS.003	14.4	1.45	90749	72
ec014.16	ec014.183	64.1	1.99	542900	71
ec014.28	ec014.440	79	3.45	1144867	70
ec014.29	ec014.468	66	2.35	642770	69
ec016.37	ec016.582	90.9	2.53	939463	68

### CA3

topdir	session	minutes	avgRate	nSpikes	nCells
gor01-6-7	2006-6-7_11-26-53	44.9	4.15	692860	62
gor01-6-7	2006-6-7_16-40-19	43.1	3.8	561005	57
ec013.52	ec013.922	56	0.75	131256	52
ec016.57	ec016.977	56	1	147724	44
ec016.58	ec016.1016	49.7	1.47	179209	41
ec016.56	ec016.957	71.6	2.95	506332	40
ec016.54	ec016.939	47.3	2.66	301671	40
ec016.54	ec016.946	46.4	2.56	285126	40
ec016.59	ec016.1035	71.1	0.83	141930	40
ec013.56	ec013.980	29.4	0.41	28219	39

topdir	session	minutes	avgRate	nSpikes	nCells
gor01-6-7	2006-6-7_11-26-53	44.9	4.15	670759	60
gor01-6-7	2006-6-7_16-40-19	43.1	3.74	541335	56
ec013.52	ec013.922	56	0.75	120373	48
ec016.54	ec016.946	46.4	2.58	266195	37
ec016.54	ec016.939	47.3	2.77	282797	36
gor01-6-13	2006-6-13_19-11-30	47.9	3.14	315361	35
gor01-6-13	2006-6-13_15-44-7	43	2.35	205803	34
ec013.56	ec013.980	29.4	0.34	19895	33
ec016.57	ec016.977	56	0.86	89154	31
ec016.58	ec016.1016	49.7	1.66	148465	30

### DG

topdir	session	minutes	avgRate	nSpikes	nCells
ec013.50	ec013.898	37	4.97	330817	30
ec016.58	ec016.1016	49.7	4.06	230299	19
ec016.58	ec016.1015	19.4	4.27	89601	19
ec016.59	ec016.1035	71.1	4.91	272177	13
ec016.57	ec016.977	56	6.04	263775	13
ec016.59	ec016.1048	88.6	7.59	444197	11
ec016.59	ec016.1047	31.6	5.7	119069	11
ec016.56	ec016.957	71.6	2.43	83621	8
ec016.57	ec016.985	10.5	9.81	43297	7
ec016.57	ec016.986	4.1	11.03	16264	6

topdir	session	minutes	avgRate	nSpikes	nCells
ec013.50	ec013.898	37	6.26	277745	20
ec016.58	ec016.1016	49.7	4	166938	14
ec016.58	ec016.1015	19.4	4.29	64946	13
ec016.57	ec016.977	56	6.03	222913	11
ec016.59	ec016.1035	71.1	3.46	132906	9
ec016.59	ec016.1048	88.6	5.51	234303	8
ec016.59	ec016.1047	31.6	3.61	54785	8
ec016.56	ec016.957	71.6	2.32	59791	6
ec016.57	ec016.985	10.5	10.49	39693	6
ec016.57	ec016.986	4.1	12.14	14921	5

### Sessions with most number of total cells from CA1 and CA3

(From example query 7 in document crcns-hc3-data-description)

topdir	session	ca1Count	ca3Count	nMin	totalCells
gor01-6-7	2006-6-7_1	13	57	43.1	70
gor01-6-7	2006-6-7_1	5	62	44.9	67
pin01-11-04	11-04_22-3	20	28	30.2	48
pin01-11-04	11-05_0-06	20	25	10.4	45
gor01-6-13	2006-6-13_	8	35	43	43
vvp01-4-18	2006-4-18_	23	20	52.8	43
gor01-6-13	2006-6-13_	6	36	47.9	42
vvp01-4-18	2006-4-18_	24	15	26.9	39
vvp01-4-9	2006-4-9_1	36	3	82.4	39
gor01-6-12	2006-6-12_	13	22	39.3	35

### Sessions with most number of total cells from DG , CA3 and EC

(From example query 8 in document crcns-hc3-data-description)

topdir	session	nDG	nCA3	nEC	nMin	totalCells
ec016.58	ec016.1016	19	41	9	49.7	69
ec016.57	ec016.977	13	44	8	56	65
ec016.58	ec016.1015	18	37	5	19.4	60
ec016.59	ec016.1035	13	40	6	71.1	59
ec016.59	ec016.1048	11	37	8	88.6	56
ec016.56	ec016.957	8	40	4	71.6	52
ec016.51	ec016.880	1	33	14	90.3	48
ec016.54	ec016.939	1	40	6	47.3	47
ec016.54	ec016.946	1	40	6	46.4	47
ec016.53	ec016.923	3	33	10	70.3	46

Use example queries 7 & 8 in document "crcns-hc3-data-description" as templates to create queries to find sessions with maximum number of cells from combinations of other regions.