Supplementary Table 1: Self-reported behavioural effects of ecstasy

Acute effects of ecstasy		
	total responding yes	%
Physical:		
Craving		
Do you crave ecstasy? (physically)	6	12%
Do you crave ecstasy? (socially)	16	33%
Tolerance		
Do you need to take more for the same effect?	32	65%
Are the effects the same (as intense) as when you started? (counting negative responses)	33	67%
Have developed some tolerance (one or both of the above)	41	84%
Hyperthermia		
Do you feel like you're overheating? (hyperthermia)	29	59%
Do you sweat a lot?	35	71%
Do you feel dehydrated or very thirsty?	33	67%
Do you drink a lot of water?	43	88%
Is your mouth dry?	35	71%
Is your heart racing?	32	65%
Does your heart seem to beat in a strange way (fast/slow, missing beats)? (palpitations)	13	27%
Have you ever had chest pains?	7	14%
Are your eyes dilated?	44	90%
Do you clench your jaw?	46	94%
Do your legs feel restless, like you can't sit/stand still?	37	76%
Do you get the shakes or tremors?	14	29%
Do you ever feel a tingling sensation?	22	45%
Do you ever feel dizzy?	14	29%
Have you ever passed out?	3	6%
Have you ever had a seizure?	1	2%
Do you have to go to the bathroom a lot?	30	61%
Is it difficult to go to the bathroom?	15	31%
Any change in your appetite? (decrease)	45	92%
Increased or normal sex drive?	25	51%
Decreased or normal sex drive?	10	20%
Reported loss of ability or increase time to orgasm (self report, not asked directly).	4	8%
Do you ever get stomach pains?	16	31%
Friendliness:		
Increase in caring/empathy for strangers	29	59%
Increase in desire to be social/friendly	43	88%
Perception/Mental State:		
Is your perception of time altered?	39	80%
Do you get visual hallucinations?	18	37%
See flashes of light?	7	14%
See things with eyes closed?	15	31%
Do you get auditory hallucinations?	3	6%
Do you get a high/rush?	37	76%

Do you feel anxious?	17	35%
Do you get paranoid while on ecstasy?	11	22%
Do you ever panic?	3	6%
Do you feel more sensitive to cold?	23	47%
Do you get cold flashes?	9	18%
Do you get hot flashes?	16	33%
Do you find you're thinking about old times, going down memory lane?	21	43%
Do you feel your imagination is better?	28	57%
Are you ever afraid of losing control?	9	18%
Do you find objects have new or different meanings?	11	22%
Do you lose track of your thoughts?	25	51%
Other experiences reported:		
increase in annoyance		1
increase in all senses		2
enhanced taste		3
increase smoking		4
cold sores		1
nauseous / vomiting just before peak high		2
dulled taste		1
feel "on point", very aware of everything * snorts it b/c can't swallow pills		1
eyes blurry		1
craves sweets/candy		1
*all depends on the mood - if you're not in a good mood to start, ecstasy won't make it better, could enhance the bad		6

Effects of ecstasy days after during withdrawal (open):	# reported	%
Mood altered day after y/n?	34	69%
Are you tired/exhausted day or so after?	35	71%
Do you still feel an increase in friendliness?	9	18%
Do you find it difficult to concentrate the next day?	34	69%
Have you noticed any memory problems the day or 2 after?	19	39%
Any sleeping problems?	26	53%
Do you feel as if you have a hangover?	7	14%
Loss of appetite the next day?	27	55%
Specific food cravings (self report)	chocolate (1), fruit (2), protein (1)	
Restless legs next day?	6	12%
Insomnia?	4	8%
Brooding?	4	8%
Are you still sweating the next day?	9	18%
Sex drive next day: decreased?	17	35%
Sex drive next day: increased?	9	18%
Increased need for sleeping?	6	12%
Are you thirsty the next day?	30	61%
Do you have a dry mouth the next day?	23	47%
Do you feel weak?	32	65%
Any headaches the next day?	17	35%
Would it be hard to work the next day?	33	67%
Any muscle aches?	23	47%
Are your teeth hypersensitive?	9	18%
Any jaw pain?	37	76%
Do you get mouth ulcers from chewing?	12	25%

Are your eyes still dilated?	23	479%
Any visual or auditory disturbances?	8	16%
Anything else (next day):	time is very slow, joint pain, stomach pain (2), chills, sense of taste has changed	
Long term effects of ecstasy during extended abstinence (open):		
Change in mood	8	16%
Memory problems	5	10%
Sleep problems	2	4%
Has ecstasy helped you overcome shyness?		
Increased social ability/more open	13	27%
Increased acceptance of oneself - greater self esteem	4	8%
More happy	5	10%
Could ecstasy help others overcome shyness?		
	32	65%
11 / 32 state that the drug would not have efficacy after the high is gone (not long-term “fix”)		
4 / 32 state that the drug would not be effective in a clinical setting		
7 / 49 state that the e could make them worse		

Supplementary Table 2: Regional [^{11}C]DASB SERT binding potential in controls and ecstasy users extracted using manual segmentation (manual ROI) or semi automatic methods (ROMI) before and after partial volume effect adjustment (PVE).

	Controls (n = 50)						Ecstasy Users (n = 49)											
	Manual ROI		ROMI		PVE		Manual ROI				ROMI				PVE			
	mean	*sem*	*mean*	*sem*	*mean*	*sem*	*mean*	*sem*	*% diff*	*p*	*mean*	*sem*	*% diff*	*p*	*mean*	*sem*	*% diff*	*p*
Frontal	0.16	0.01	0.25	0.02	0.42	0.02	0.12	0.01	-25.1	0.03	0.18	0.01	-27.3	<0.01	0.34	0.02	-19.3	<0.01
Occipital	0.20	0.01	0.23	0.01	0.57	0.02	0.15	0.01	-28.3	<0.01	0.13	0.01	-46.1	<0.01	0.35	0.01	-39.4	<0.01
Temporal	0.29	0.01	0.32	0.01	0.43	0.02	0.21	0.01	-27.2	<0.01	0.24	0.01	-26.7	<0.01	0.28	0.01	-33.9	<0.01
Parietal	0.21	0.02	0.23	0.01	0.52	0.03	0.14	0.01	-32.2	<0.01	0.17	0.01	-27.3	<0.01	0.41	0.02	-20.8	<0.01
Insular	0.61	0.02	0.72	0.02	0.91	0.02	0.45	0.02	-26.3	<0.01	0.53	0.02	-26.3	<0.01	0.67	0.03	-26.9	<0.01
A.Cingulate	0.27	0.01	0.36	0.01	0.67	0.02	0.21	0.01	-22.5	<0.01	0.29	0.02	-19.2	<0.01	0.61	0.03	-8.3	0.12
P.Cingulate	0.42	0.01	n/a	n/a	0.67	0.03	0.17	0.02	-58.4	<0.01	n/a	n/a	n/a	n/a	0.47	0.02	-29.8	<0.01
Caudate	1.08	0.03	0.86	0.03	1.39	0.05	1.11	0.03	3.0	0.46	0.92	0.03	6.3	0.23	1.51	0.05	8.2	0.13
Putamen	1.25	0.03	1.28	0.03	1.60	0.03	1.30	0.04	3.7	0.33	1.32	0.04	3.6	0.35	1.68	0.05	5.1	0.19
V. Striatum	n/a	n/a	1.29	0.03	1.90	0.05	n/a	n/a	n/a	n/a	1.31	0.04	1.1	0.78	2.00	0.07	5.3	0.23
Thalamus	1.23	0.03	1.69	0.04	2.40	0.06	1.20	0.04	-2.7	0.47	1.65	0.05	-2.4	0.54	2.32	0.07	-3.1	0.44
Hippocampus	0.46	0.01	0.75	0.02	0.88	0.02	0.37	0.02	-20.4	<0.01	0.59	0.02	-20.8	<0.01	0.61	0.03	-31.1	<0.01
G.Pallidus	n/a	n/a	0.93	0.03	0.93	0.06	n/a	n/a	n/a	n/a	0.96	0.03	3.1	0.50	1.05	0.05	13.0	0.12
Midbrain	1.48	0.05	1.28	0.04	n/a	n/a	1.55	0.05	4.4	0.38	1.32	0.04	3.2	0.48	n/a	n/a	n/a	n/a

P values reflect comparison to control means. A = anterior; P = posterior; G = Globus.

Supplementary Table 3: Regional [^{11}C]DASB BP_{ND} in control subjects (n = 50), ecstasy users (n = 49) and ecstasy users who tested positive (meth +: n=32) and negative (meth-: n=17) for methamphetamine in hair.

	Controls		**Ecstasy Users**				**Meth -**				**Meth +**			
	mean	*sem*	*mean*	*sem*	*% diff*	*p*	*mean*	*sem*	*% diff*	*p*	*mean*	*sem*	*% diff*	*p*
Frontal	0.25	0.02	0.18	0.01	-27.3	<0.001	0.16	0.02	-37.7	0.001	0.20	0.02	-21.8	0.02
Occipital	0.23	0.01	0.13	0.01	-46.1	<0.001	0.12	0.02	-50.0	<0.001	0.13	0.01	-44.0	<0.001
Temporal	0.32	0.01	0.24	0.01	-26.7	<0.001	0.21	0.02	-33.9	<0.001	0.25	0.01	-22.8	<0.001
Parietal	0.23	0.01	0.17	0.01	-27.3	<0.001	0.13	0.02	-42.4	<0.001	0.18	0.01	-19.2	0.04
Insular	0.72	0.02	0.53	0.02	-26.3	<0.001	0.48	0.04	-33.2	<0.001	0.56	0.03	-22.6	<0.001
Cingulate	0.36	0.02	0.29	0.02	-19.2	0.003	0.26	0.02	-27.5	0.001	0.30	0.02	-14.7	0.04
Caudate	0.86	0.03	0.92	0.03	6.3	0.23	0.83	0.05	-4.2	0.56	0.96	0.04	11.8	0.04
Putamen	1.28	0.03	1.32	0.04	3.6	0.35	1.32	0.07	3.1	0.54	1.33	0.05	3.8	0.34
Thalamus	1.69	0.04	1.65	0.05	-2.4	0.54	1.56	0.08	-8.2	0.11	1.71	0.07	0.6	0.89
V.striatum	1.29	0.03	1.31	0.04	1.1	0.78	1.27	0.07	-1.8	0.74	1.33	0.05	2.6	0.55
Striatum	1.18	0.03	1.22	0.03	3.6	0.34	1.18	0.06	0.6	0.91	1.24	0.04	5.2	0.20
Hippocampus	0.75	0.02	0.59	0.02	-20.8	<0.001	0.57	0.04	-23.5	<0.001	0.60	0.03	-19.4	<0.001
G.Pallidus	0.93	0.03	0.96	0.03	3.1	0.50	0.93	0.05	0.3	0.97	0.97	0.03	4.1	0.43
Midbrain	1.28	0.04	1.32	0.04	3.2	0.48	1.33	0.07	3.9	0.53	1.32	0.30	2.8	0.58

P values reflect comparison to control means. Meth = methamphetamine; V = ventral; G = Globus.

Supplementary Table 4: Regional [^{11}C]DASB BP_{ND} in controls (C, n = 50) and ecstasy users (U, n = 49) derived using Logan non-invasive, simplified reference tissue model 2 (SRTM2) and Ichise's multilinear reference tissue model 2 (MRTM2).

	Logan				**SRTM2**				**MRTM2**			
	C	**U**			**C**	**U**			**C**	**U**		
	mean	*mean*	*% diff*	*p*	*mean*	*mean*	*% diff*	*p*	*mean*	*mean*	*% diff*	*p*
Frontal	0.25	0.18	-27.3	<0.001	0.28	0.20	-29.0	<0.001	0.28	0.21	-25.3	0.001
Occipital	0.23	0.13	-46.1	<0.001	0.28	0.15	-46.5	<0.001	0.28	0.16	-41.4	<0.001
Temporal	0.32	0.24	-26.7	<0.001	0.36	0.26	-28.7	<0.001	0.37	0.28	-25.1	<0.001
Parietal	0.23	0.17	-27.3	0.001	0.25	0.18	-28.9	<0.001	0.25	0.19	-24.3	0.004
Insular	0.72	0.53	-26.3	<0.001	0.83	0.59	-29.2	<0.001	0.86	0.65	-25.2	<0.001
Cingulate	0.46	0.29	-37.8	<0.001	0.42	0.34	-20.3	<0.001	0.44	0.37	-15.1	0.02
Caudate	0.86	0.92	6.3	0.23	1.02	1.08	5.8	0.28	1.06	1.19	12.2	0.06
Putamen	1.28	1.32	3.6	0.35	1.52	1.55	2.3	0.57	1.58	1.70	7.5	0.12
Thalamus	1.69	1.65	-2.4	0.54	2.03	1.92	-5.2	0.21	2.16	2.15	-0.4	0.93
Ventral Striatum	1.29	1.31	1.1	0.78	1.61	1.60	-0.3	0.95	1.66	1.78	7.3	0.20
Striatum	1.07	1.22	13.9	0.01	1.40	1.44	2.3	0.56	1.46	1.57	7.9	0.09
Hippocampus	0.75	0.59	-20.8	<0.001	0.94	0.74	-20.8	<0.001	1.02	0.86	-15.4	<0.001
Midbrain	1.28	1.32	3.2	0.48	1.75	1.77	1.2	0.81	1.94	2.22	14.4	0.03

P values reflect the difference between controls and ecstasy users.

Supplementary Table 5a: Regional volume (mL) extracted from T1 weighted MR images (ROI) of control subjects (n = 50) and ecstasy users (n = 49) positive (meth+; n = 32) and negative (meth - ; n = 17) for methamphetamine in hair.

	Controls		**Ecstasy Users**		**Meth –**		**Meth+**	
	mean	*sem*	*mean*	*sem*	*mean*	*sem*	*mean*	*sem*
Whole Brain	2369	348	2371	22	2337	27	2390	30
3rd Ventricle	2.90	0.14	2.93	0.12	2.61	0.12	3.10	0.16
4th Ventricle	3.63	0.19	3.90	0.15	3.80	0.19	3.95	0.21
Lateral Ventricle lf	10.57	0.90	10.87	0.62	10.95	1.20	10.83	0.72
Lateral Ventricle rg	9.73	0.82	9.92	0.69	10.25	1.33	9.74	0.80
Extra cerebral CSF	185.85	4.98	193.90	5.06	195.09	7.14	193.27	6.84
Brainstem	58.58	0.85	58.78	0.85	56.51	0.77	59.99	1.19
Cerebellum lf	118.98	1.62	119.05	1.53	116.98	2.10	120.14	2.05
Cerebellum rg	119.95	1.64	120.44	1.65	119.00	2.34	121.20	2.21
Frontal lf gm	217.28	3.09	215.24	2.21	213.44	3.39	216.19	2.88
Frontal rg gm	210.41	2.91	209.48	2.21	207.98	3.69	210.28	2.78
Occipital lf gm	59.98	1.17	58.90	0.95	59.40	1.63	58.64	1.18
Occipital rg gm	59.25	1.12	58.09	0.92	56.79	1.42	58.78	1.19
Temporal lf gm	144.12	2.15	142.70	1.60	141.58	2.27	143.29	2.16
Temporal rg gm	145.07	2.07	142.93	1.50	142.17	2.59	143.33	1.87
Parietal lf gm	108.69	1.98	106.95	1.35	105.06	2.42	107.95	1.61
Parietal rg gm	104.36	1.72	103.70	1.30	102.85	2.27	104.16	1.61
Frontal lf wm	162.29	2.98	164.13	2.29	160.19	2.59	166.22	3.20
Frontal rg wm	160.98	3.04	162.47	2.28	158.49	2.45	164.59	3.20
Occipital lf wm	33.29	0.79	33.55	0.63	32.73	0.89	33.98	0.84
Occipital rg wm	35.45	0.82	35.68	0.71	34.22	0.95	36.46	0.94
Temporal lf wm	78.00	1.54	78.10	1.14	76.26	1.63	79.08	1.51
Temporal rg wm	79.12	1.51	79.79	1.05	78.43	1.51	80.50	1.39
Parietal lf wm	91.48	1.83	92.28	1.31	90.14	1.61	93.41	1.80
Parietal rg wm	91.12	1.79	91.62	1.28	89.74	1.42	92.62	1.80
Caudate lf	10.84	0.16	10.67	0.17	10.04*	0.19	11.00	0.23
Caudate rg	10.78	0.18	10.52	0.17	9.90*	0.18	10.86	0.23
Putamen lf	10.04	0.17	9.71	0.16	9.13§	0.25	10.02	0.19
Putamen rg	10.11	0.18	9.75	0.17	9.15§	0.27	10.07	0.20
Thalamus lf	14.65	0.20	14.47	0.14	14.09	0.15	14.67	0.20
Thalamus rg	14.38	0.20	14.31	0.14	13.95	0.16	14.50	0.19
Globus Pallidus lf	2.14	0.03	2.04	0.03	1.90§	0.05	2.11	0.03
Globus Pallidus rg	2.13	0.03	2.04	0.03	1.91§	0.05	2.11	0.04

Results were analysed using ANOVAs; (*) indicate significant difference from control subjects ($p < 0.01$); (§) indicate significant difference from control subjects after correction for multiple comparison ($p < 0.01$). lf = left; rg = right; CSF = cerebrospinal fluid; gm = grey matter; wm = white matter

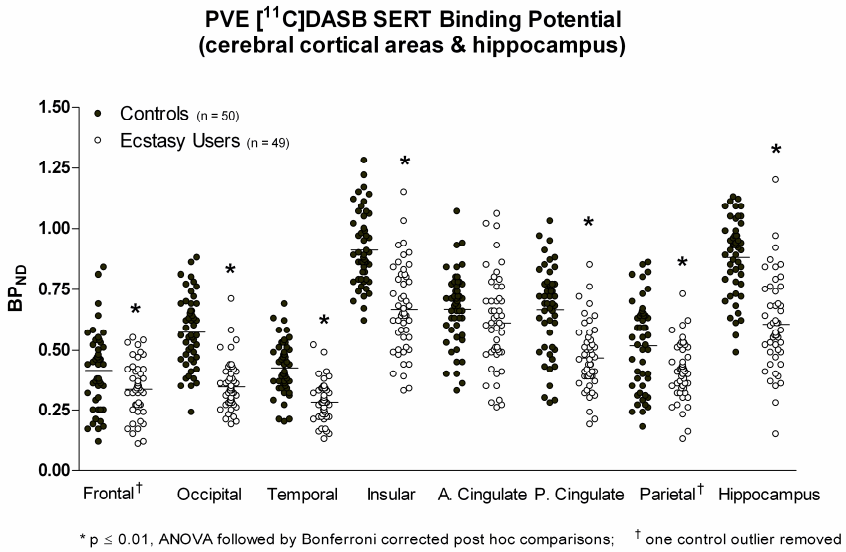
Supplementary Table 5b: Cortical thickness (mm) extracted from significant clusters (identified during the voxel-wise search) in control subjects (n = 50), ecstasy users (n = 49) and in ecstasy users negative (-meth; n = 17) and positive (+meth; n = 32) for methamphetamine in hair.

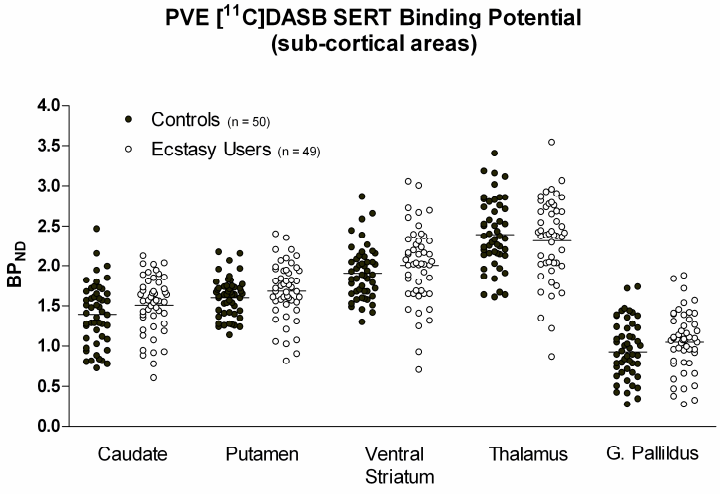
	Brain areas	Coordinates			Cortical Thickness (mm)				
					mean	sem	% diff	t-value	p
	mean thickness left				Controls	3.39	0.02		
					Users	3.33	0.01	-1.9	-3.0	0.003
					meth -	3.35	0.03	-1.3	-1.5	0.15
					meth +	3.32	0.01	-2.3	-3.2	0.002
	mean thickness right				Controls	3.35	0.02		
					Users	3.32	0.01	-0.9	-1.4	0.18
					meth -	3.35	0.03	0.1	0.08	0.93
					meth +	3.31	0.01	-1.4	-1.9	0.06
	Left	**x**	**y**	**z**		**mean**	**sem**	**% diff**	**t-value**	**fdr corr. P**
1.	Middle frontal gyrus; Brodmann 10	-38	56	5	Controls	3.66	0.03			
					Users	3.45	0.03	-5.9	-5.0	<0.0001
					meth -	3.46	0.04	-5.4	-3.3	0.005
					meth +	3.44	0.04	-6.1	-4.6	0.0006
2.	Inferior frontal gyrus; Brodmann 9	-55	8	28	Controls	3.60	0.03			
					Users	3.45	0.02	-4.2	-4.3	0.0003
					meth -	3.47	0.03	-3.8	-2.8	0.02
					meth +	3.45	0.02	-4.3	-4.0	0.002
3.	Inferior parietal lobule; Brodmann 40	-53	-47	49	Controls	3.22	0.03			
					Users	3.07	0.02	-4.8	-4.3	0.0003
					meth -	3.10	0.04	-3.8	-2.4	0.03
					meth +	3.05	0.03	-5.3	-4.2	0.001
4.	Cuneus; Brodmann 17	-13	-101	-5	Controls	2.88	0.04			
					Users	2.69	0.03	-6.6	-3.7	0.001
					meth -	2.72	0.05	-5.4	-2.2	0.05
					meth +	2.67	0.04	-7.2	-3.6	0.005
5.	Superior frontal gyrus; Brodmann 6	-5	12	53	Controls	4.04	0.03			
					Users	3.89	0.02	-3.8	-3.7	0.001
					meth -	3.90	0.05	-3.6	-2.4	0.05
					meth +	3.88	0.03	-4.0	-3.4	0.005
6.	Middle frontal gyrus; Brodmann 47	-22	30	-21	Controls	3.58	0.03			
					Users	3.43	0.03	-4.0	-3.3	0.003
					meth -	3.42	0.05	-4.4	-2.6	0.02
					meth +	3.44	0.04	-3.9	-2.8	0.02
7.	Supramarginal gyrus; parietal lobe	-61	-51	25	Controls	3.55	0.03			
					Users	3.41	0.02	-4.0	-3.8	0.001
					meth -	3.45	0.05	-2.6	-1.8	0.14
					meth +	3.38	0.02	-4.7	-4.0	0.001
8.	Superior frontal gyrus; Brodmann 10	-23	63	16	Controls	3.59	0.03			
					Users	3.40	0.04	-5.4	-4.0	0.0009
					meth -	3.55	0.06	-1.1	-0.6	0.55
					meth +	3.32	0.05	-7.6	-5.3	<0.0001
9.	Middle temporal gyrus; Brodmann 22	-57	-36	1	Controls	3.48	0.02			
					Users	3.37	0.02	-3.2	-3.5	0.002
					meth -	3.32	0.03	-4.6	-3.7	0.005
					meth +	3.39	0.03	-2.4	-2.4	0.04
10.	Middle frontal gyrus	-26	33	-16	Controls	3.61	0.03			
					Users	3.50	0.03	-3.0	-2.7	0.01
					meth -	3.44	0.05	-4.8	-3.1	0.007
					meth +	3.54	0.03	-2.1	-1.7	0.09
		x	**y**	**z**		**mean**	**sem**	**% diff**	**t-value**	**fdr co**

Deleted: Right

	Brain areas	Coordinates			Cortical Thickness (mm)					
11.	Parietal lobe	-50	-26	64	Controls	2.20	0.02			
	Brodmann 3				Users	2.29	0.03	4.1	2.5	0.018
					meth-	2.36	0.04	7.1	3.1	0.005
					meth+	2.25	0.04	2.4	1.3	0.236
	Right									
1.	Middle frontal gyrus;	43	23	34	Controls	3.35	0.02			
	Brodmann 9				Users	3.25	0.02	-3.0	-2.9	0.007
					meth -	3.29	0.04	-1.8	-1.3	0.24
					meth +	3.23	0.03	-3.6	-3.2	0.007
2.	Postcentral gyrus;	64	-31	44	Controls	3.33	0.02			
	Brodmann 2				Users	3.24	0.03	-2.8	-2.7	0.01
					meth -	3.28	0.05	-1.4	-1.0	0.32
					meth +	3.21	0.03	-3.5	-3.1	0.007
3.	Precuneus	32	-72	35	Controls	3.17	0.03			
					Users	3.05	0.03	-3.9	-3.3	0.003
					meth -	3.07	0.04	-3.0	-1.8	0.10
					meth +	3.03	0.03	-4.3	-3.2	0.007
4.	Anterior cingulate	1	31	10	Controls	2.56	0.03			
					Users	2.45	0.03	-4.5	-3.0	0.006
					meth -	2.73	0.05	-1.6	-1.3	0.51
					meth +	2.63	0.03	-5.3	-3.3	0.007
5.	Middle occipital gyrus;	23	-86	-15	Controls	3.15	0.04			
	Brodmann 18				Users	3.02	0.03	-4.1	-2.6	0.01
					meth -	3.03	0.04	-3.7	-1.7	0.15
					meth +	3.01	0.04	-4.3	-2.4	0.04
6.	Parahippocampal gyrus	29	-33	-16	Controls	3.72	0.03			
					Users	3.59	0.03	-3.4	-2.9	0.007
					meth -	3.63	0.06	-2.3	-1.4	0.23
					meth +	3.57	0.04	-4.0	-3.0	0.007
7.	Medial frontal gyrus;	6	4	54	Controls	3.90	0.03			
	Brodmann 6				Users	3.78	0.03	-3.0	-2.8	0.008
					meth -	3.81	0.04	-2.3	-1.6	0.15
					meth +	3.77	0.04	-3.4	-2.8	0.02
8.	Superior frontal gyrus;	31	54	19	Controls	3.42	0.03			
	Brodmann 10				Users	3.30	0.03	-3.4	-2.4	0.02
					meth -	3.45	0.05	1.0	0.51	0.65
					meth +	3.23	0.04	-5.7	-3.7	0.003
9.	Superior frontal gyrus;	22	68	7	Controls	3.47	0.04			
	Brodmann 10				Users	3.35	0.04	-3.5	-2.1	0.03
					meth -	3.51	0.06	0.9	0.4	0.70
					meth +	3.27	0.05	-5.9	-3.3	0.007
10.	Inferior parietal lobule	55	-47	43	Controls	3.36	0.03			
					Users	3.26	0.03	-2.9	-2.5	0.01
					meth -	3.23	0.04	-3.8	-2.4	0.03
					meth +	3.28	0.04	-2.4	-1.9	0.10
11.	Parietal lobe;	47	-24	62	Controls	2.14	0.02			
	Brodmann 3				Users	2.26	0.02	5.7	3.8	0.001
					meth -	2.28	0.04	6.4	3.1	0.013
					meth +	2.25	0.02	5.4	3.2	0.006

Meth = methamphetamine. Corr = corrected. Coordinates are in MNI space.





Supplementary Figure 1: Scattergram of partial volume effect (PVE) adjusted [^{11}C]DASB BP_{ND} in control subjects and ecstasy users. Note group differences in cerebral cortical but not subcortical brain areas.