

## Default registry values for MAGCIS with ISS on NEXSA and K-Alpha systems.

Mode			Electron Energy		Fil	Extractor	Condenser	Drift	Magnet	Focus	X Shift	Y Shift	Ratio	Sample Current			Mode Type	Specification	Aperture
			(eV)	(mA)	(eV)	(eV)	(eV)	(eV)	(A)	(eV)				(work)	(max)	(aim)			
[00]	300	Low	120	10	3	-2000	-25	-3700	(-1.6, -1.8)	-1000	0.0	0.0	0.4	0.4	-	0.4	Monatomic	-	1000um
[01]		High				-2000	50	-3700	(-1.6, -1.8)	-950	0.0	0.0	0.4	1.2	-	1.2	Monatomic	-	1000um
[02]	500	Low	120	10	3	-1700	0	-3500	(-1.6, -1.8)	-1450	0.0	0.0	0.4	0.51	-	0.5	Monatomic	-	1000um
[03]		High				-1700	150	-3500	(-1.6, -1.8)	-1100	0.0	0.0	0.5	1.56	-	1.5	Monatomic	YES	1000um
[04]	1000	Low	120	10	3	-2000	100	-4000	(-1.6, -1.8)	-320	0.0	0.0	0.4	0.92	-	0.9	Monatomic	-	500um
[05]		High				-2000	650	-4000	(-1.6, -1.8)	-200	0.0	0.0	0.4	2.72	-	2.7	Monatomic	-	500um
[06]	2000	Low	120	10	3	-1000	950	-3000	(-1.6, -1.8)	680	0.0	0.0	0.4	0.92	-	0.9	Monatomic	-	500um
[07]		High				-1000	1600	-3000	(-1.6, -1.8)	760	0.0	0.0	0.4	2.68	-	2.7	Monatomic	-	500um
[08]	3000	Low	120	10	3	0	1800	-2000	(-1.6, -1.8)	1560	0.0	0.0	0.4	0.93	-	0.9	Monatomic	-	500um
[09]		High				0	2400	-2000	(-1.6, -1.8)	1600	0.0	0.0	0.4	2.74	-	2.7	Monatomic	-	500um
[10]	4000	Low	120	10	3	1000	2850	-1000	(-1.6, -1.8)	2420	0.0	0.0	0.4	0.93	-	0.9	Monatomic	-	500um
[11]		High				1000	3600	-1000	(-1.6, -1.8)	2420	0.0	0.0	0.5	2.82	-	2.7	Monatomic	YES	500um
[12]	1000	Low	120	10	3	344	824	-2000	(-1.6, -2)	225	0.0	0.0	0.4	0.04	-	0.02	ISS	-	500um
[13]		High				210	820	-2000	(-1.6, -2)	225	0.0	0.0	0.4	0.05	-	0.05	ISS	-	1000um
[14]	2000	75	120	10	3	1590	1365	0	-1.00	1064	0.0	0.0	0.4	11.32	-	8.0	Cluster	-	1000um
[15]		150				1650	1660	0	-0.40	1120	0.0	0.0	0.4	15.15	-	10.0	Cluster	-	1000um
[16]		300				1600	1380	0	0.40	1092	0.0	0.0	0.4	15.19	-	15.0	Cluster	-	1000um
[17]		500				1610	1600	0	1.10	1132	0.0	0.0	0.4	20.65	-	20.0	Cluster	-	1000um
[18]		1000				1580	1680	0	1.80	1144	0.0	0.0	0.4	20.9	-	20.0	Cluster	-	1000um
[19]		2000				1660	1890	1000	1.80	1130	0.0	0.0	0.4	7.11	-	7.0	Cluster	-	500um
[20]	4000	75	120	10	3	3530	3620	2000	-1.00	2680	0.0	0.0	0.4	10.36	-	10.0	Cluster	-	1000um
[21]		150				3750	3520	2000	-0.40	2784	0.0	0.0	0.4	15.44	-	10.0	Cluster	-	1000um
[22]		300				3800	3640	2000	0.40	2824	0.0	0.0	0.4	15.09	-	15.0	Cluster	-	700um
[23]		500				3510	3600	2000	1.10	2744	0.0	0.0	0.4	21.05	-	20.0	Cluster	-	700um
[24]		1000				3580	3700	2000	1.80	2792	0.0	0.0	0.4	21.4	-	20.0	Cluster	-	700um
[25]		2000				3640	3880	3000	1.80	2976	0.0	0.0	0.5	7.21	-	7.0	Cluster	YES	700um
[26]	6000	75	120	10	3	5500	5700	4000	-1.00	4284	0.0	0.0	0.4	10.09	-	10.0	Cluster	-	1000um
[27]		150				5610	5365	4000	-0.40	4332	0.0	0.0	0.4	13.47	-	10.0	Cluster	-	700um
[28]		300				5500	5380	4000	0.40	4320	0.0	0.0	0.4	15.82	-	15.0	Cluster	-	700um
[29]		500				5610	5560	4000	1.10	4344	0.0	0.0	0.4	20.4	-	20.0	Cluster	-	700um
[30]		1000				5590	5800	4000	1.80	4380	0.0	0.0	0.4	20.35	-	20.0	Cluster	-	700um
[31]		2000				5660	5850	5000	1.80	4488	0.0	0.0	0.4	10.87	-	10.0	Cluster	-	500um
[32]	8000	75	120	10	3	7550	7560	6000	-1.00	5680	0.0	0.0	0.4	12.03	-	10.0	Cluster	-	700um
[33]		150				7550	7480	6000	-0.40	5744	0.0	0.0	0.4	15.24	-	10.0	Cluster	-	700um
[34]		300				7560	7525	6000	0.40	5840	0.0	0.0	0.4	15.87	-	15.0	Cluster	-	700um
[35]		500				7520	7475	6000	1.10	5856	0.0	0.0	0.4	21.42	-	20.0	Cluster	-	700um
[36]		1000				7400	7520	6000	1.80	5904	0.0	0.0	0.4	20.33	-	20.0	Cluster	-	700um
[37]		2000				7750	7800	7000	1.80	5900	0.0	0.0	0.5	10.14	-	10.0	Cluster	YES	700um

MAGCIS + ISS