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**6cm RF w/ RFN Source Checkout**

These data are representative of a 6 cm RF/RFN flange mount source with 25 cm convergent grids. Actual run data will vary with specific system conditions.

Data obtained on Techne system. Gas flows are 5 sccm Argon RFN, 8 sccm Argon source, 15 sccm Oxygen to Titanium target.

These data are for general information purposes only.

Gas Flow Source [sccm]	Gas Flow RFN [sccm]	Gas Type	Chamber Pressure [x10-4 Torr]	Beam		Accel		RF		Neutralizer		Comments other info
				Current [mA]	Voltage [V]	Current [mA]	Voltage [V]	FWD [W]	REF [W]	Emission [mA]	RF FWD [W]	
			base pressure is 2.9x10-7 Torr									
Source Warmup												
8.0	5.0	Argon/Ox	2.9	18	50			150	0	500	40	all process gasses are ON
Source Check-out / Beam Envelope Check												
8.0	5.0	Argon/Ox	2.9	50	100	6	300	129	0	75	40	
8.0	5.0	Argon/Ox	2.9	100	100	14	500	258	1	150	40	
8.0	5.0	Argon/Ox	2.9	50	250	1	300	110	0	75	40	
8.0	5.0	Argon/Ox	2.9	100	250	14	350	256	0	150	50	
8.0	5.0	Argon/Ox	2.9	50	500	1	200	98	0	75	40	
8.0	5.0	Argon/Ox	2.9	150	500	12	300	373	1	225	50	
8.0	5.0	Argon/Ox	2.9	50	750	1	150	90	1	75	40	
8.0	5.0	Argon/Ox	2.9	100	750	1	150	214	1	150	40	
8.0	5.0	Argon/Ox	2.9	150	750	2	250	342	1	225	50	
8.0	5.0	Argon/Ox	2.9	50	1000	1	100	85	1	75	40	
8.0	5.0	Argon/Ox	2.9	100	1000	1	100	194	2	150	40	
8.0	5.0	Argon/Ox	2.9	200	1000	2	250	446	2	300	50	
8.0	5.0	Argon/Ox	2.9	50	1250	1	100	80	1	75	40	
8.0	5.0	Argon/Ox	2.8	100	1250	1	100	163	0	150	40	
8.0	5.0	Argon/Ox	2.8	200	1250	2	150	412	2	300	50	
8.0	5.0	Argon/Ox	2.9	50	1500	1	100	79	1	150	40	
8.0	5.0	Argon/Ox	2.9	100	1500	1	150	158	0	150	40	
8.0	5	Argon/Ox	2.8	200	1500	2	150	391	2	300	50	
Total Time on source: _____ min.												