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Appendix A: mARC Run Sheet

DATE	2019-10-07				TIME 2	0:43:32			
TEST mARC_001_IST					RUN(S) Run_15				
OPERATOR Mark McGlaughlin					TEST ENGINEER Megan E. Macdonald				
- Listien Mark Moolaagriiii					PI Megan E. Macdonald				
RUN OBJE	CTIVES						· ·		
		ure durina r	un at a range	e of mdot a	and L2. Record	voltage 3. Mea	sure visible a	nd infrared	
			mediately af			ronago or moo			
Nozzle exit	diameter (c	m) 1.87			# Disks 2				
Total Catho	ode Time (h:	m:s) TI	3D	Cathode	Cathode type: Ag+ # Cathode starts: TBD				
			DESI	RED TEST	CONDITIONS	3			
Main gas: /	Λir		<u> </u>		as: None	1	Dura	n ane: None	
							Purge gas: None		
Cond. ID	Current (A)	Main (g/s)	Shield (g/s)	Purge (g/s)	Z (in)	SW	Duration (s)	L2	
0 1717 4	ļ ` <i>'</i>								
Condition 1	40.0	0.5	0.0	None	None	None	None	None	
			MC	DELS AN	D SENSORS				
			SW		L1 L2				
	Sensor Typ	e							
S/N Size									
Sensor Lim	nits								
					NIDE				
				PROCEE	DURE				
					and I 2. Record	voltage 3. Mea	sure visible a	nd infrared	
emission of	f the jet and	calibrate im	mediately af	ter					
				CAMER	148				
				CAMEN					
Camera	L	Lens Filte		Mode					
Nikon D750	N	one	Lumine	sque UV 77mm	None				
			ΔΠΠΙΤ		AGNOSTICS				
Purpose		Sensor mod	-	IOIVAL DIA	Units				
Arc Current [A]		Ohio Semitronics CTL401S/300/CTA201H			Amperes				
Arc Voltage [V]		hio Semitronics VT			Volts				
		age SIP-030-DC24			Grams per second				
Column Pressure [Pa]		Setra Model 730			Pascals				
Chamber Pressure 2 [Pa] Ir		ficon			Pascals				
					<u> </u>				

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SENSOR COOLING (DISTILLED WATER)									
SKW-TI-401 Temp (F) SKW-ST-401 Conduct. (uS) SKW-PI-440 sensor supply (PSIG) GASES Gas Initial (PSIG) Final (PSIG)									
Main Air 1250.0 1200.0 Shield None None None Purge None None None low-side P Roto Roto									
VACUUM SYSTEM Pump Base Pressure (GS-PI-381) ———————————————————————————————————									
POST-TEST PHOTO									
FOST-TEST FILOTO									
NOTES (include notes from checklist)									