

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	5/7/2002														
2			Run description:	FRC/RMFO	1st F	noise			SDD	/	high	power						
3			Base pressures: SEC IG (T)															
4			CC IG (T)															
5			FEC IG (T)	2.6e-7														
6			SEC Slow Baratron (T)	4.0065(6)														
7			CC Slow Baratron (T)															
8			RMF frequency & phase															
9			Magnet configuration & PS	4x8 + 8x4 coils; BB PS & 2 Magna powers inside 8; eight BN-covered FCs										Recentered 4-turn MC coil				
10			RMF system	SRS -> duty factor limiters -> AR100LM9 -> 8KD -> 200 kW home made antennas: 2-turn; cable: RG-226, 60" long.														
11			Time	10:34	10:41	10:44	10:48	10:49	11:04	11:27				11:35	11:44	12:00	12:11	12:14
12	Magnapower	L-2 Coils I (A)	0			0	150	154	153						152	152		12:30
13	Big Blue	L-2 Coils I (A)	0			154	154	154	173						170	170		152
14		Nozzle coils I (A)	0			100		101	107						104	102		170
15		SEC IG (T)																102
16		SEC Slow Baratron (T)						10007	10006						10006	10006		10007
17		CC IG (T)																
18		CC slow Baratron (T)				320		295	275						263	243		235
19		FEC IG (T)							1.4						1.4	1.4		1.4
20		FEC FB (T)							0.5						0.5	0.5		0.5
21		Ta paddle voltage	41				BBF	BBF	BBF						0.4	0.4		0.4
22		Main valve					C	C										
23		Navigator valve					C	C										
24		End turbo valve					C	C										
25		Gases/feed location/sccm	Ar/Ce															
26		PV-10 (V)																
27		Pulse A to/Δt																
28		B to/Δt																
29		CC Pressure (mT)	Pb															
30		(Fast Baratron)	Pa															
31		170 GHz	dia (mV)/IM freq															
32		Glassman	High Voltage (kV)															
33		RMFO system	main SRS	1	2		1.1	1.2	1.3						1.4	1.4	1.5	1.5
34			Pulse width (ms)	1	5		1		4						4	4		1.6
35			Time between pulses (s)	1.0	5		1		1						1.0	1.0		
36			Frequency: Center(MHz)/Span(KHz)				1801		1						1801	1801		
37			Phase °	1.0	11				86.2						91	91.5		
38			Pa						12						17	17		
39			Pf (kW)						20	35					17	17		
40			on or % reflected						758/762						17	17		
41			FEC probe												2.183	2.183		
42			CC Probe												403	403		
43			Helicon Pf/Pr															
44			Helicon (SRS/mod)												20	20		
45			Comments/changes:	for Δφ = π/2, n _e = 2.1e12 cm ⁻³ for 16-cm dia plasma														

1000 440

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1				Date: 3/7/2027														
2				Run description:	FRC/RMFO													
3				Base pressures: SEC IG (T)														
4				CC IG (T)														
5				FEC IG (T)														
6				SEC Slow Baratron (T)														
7				CC Slow Baratron (T)														
8				RMF frequency & phase														
9				Magnet configuration & PS	4x8 + 8x4 coils; BB PS & 2 Magna powers inside 8; eight BN-covered FCs													
10				RMF system	SRS -> duty factor limiters -> AR100LM9 -> 8KD -> 200 kW home made													
11				Time	12.35													
12				Magnapower L-2 Coils I (A)	200													
13				Big Blue L-2 Coils I (A)	200													
14				Nozzle coils I (A)	100													
15				SEC IG (T)														
16				SEC Slow Baratron (T)	10007													
17				CC IG (T)														
18				CC slow Baratron (T)	257													
19				FEC IG (T)	1.4(5)													
20				FEC FB (T)	2.7													
21				Ta paddle voltage	2.5													
22				Main valve														
23				Navigator valve														
24				End turbo valve														
25				Gases/feed location/scm														
26				PV-10 (V)														
27				Pulse A to/Δt														
28				B to/Δt														
29				CC Pressure (mT)	P _b													
30				(Fast Baratron)	P _a													
31				170 GHz	dia (mV)/IM freq													
32				Glassman	High Voltage (kV)	14.5												
33				RMFO system	main SRS	1.6												
34					Pulse width (ms)	4												
35					Time between pulses (s)	1												
36					Frequency: Center(MHz)/Span(KHz)	1001												
37					Phase °													
38					P _a	26												
39					P _f (kW)	75												
40					ΦM or % reflected													
41					FEC probe	1.135												
42					CC Probe	364												
43					Helicon Pf/Pr													
44					Helicon (SRS/mod)	0.20												
45				Comments/changes:	for Δφ = π/2, n _e = 2.1e12 cm ⁻³ for 16-cm dia plasma													

helicon mod.
off divider
1RMF
0.2 → 3.7 m3