

09

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	2020-04-29														
2			Run description:	FRC/RMFO	H ₂	RMF	f-shutt + SDD G											
3			Base pressures:	SEC IG (T)														
4				CC IG (T)	4.2e-6													
5				FEC IG (T)	7.2e-7													
6				SEC Slow Baratron (T)	0.0002T													
7				CC Slow Baratron (T)	0.0005 mT													
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	10:27	10:47	11:09	12:15	12:30	12:42	12:49		1:17	3:20	3:43				
12	Magnapower	L-2 Coils I (A)		150	200	201	302	312	312	312		317	347	347				
13	Big Blue	L-2 Coils I (A)		168	154	303	304	304	304	304		317	347	347				
14		Nozzle coils I (A)		50	50	104	98	98	98	98		317	347	347				
15		SEC IG (T)										317	347	347				
16		SEC Slow Baratron (T)		0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002		317	347	347				
17		CC IG (T)		7.2e-7	7.2e-7	7.2e-7	7.2e-7	7.2e-7	7.2e-7	7.2e-7		317	347	347				
18		CC slow Baratron (T)		0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002		317	347	347				
19		FEC IG (T)		1.4e-5	1.4e-5	2.1e-5	2.1e-5	2.1e-5	2.1e-5	2.1e-5		317	347	347				
20		FEC FB (T)										317	347	347				
21		Ta paddle voltage										317	347	347				
22		Main valve										317	347	347				
23		Navigator valve										317	347	347				
24		End turbo valve										317	347	347				
25		Gases/feed location/scm		H ₂ /SEC								317	347	347				
26		PV-10 (V)										317	347	347				
27		Pulse		A to/Δt								317	347	347				
28				B to/Δt								317	347	347				
29		CC Pressure (mT)		Pb								317	347	347				
30		(Fast Baratron)		Pa								317	347	347				
31		170 GHz		dia (mV)/IM freq								317	347	347				
32		Glassman		High Voltage (kV)								317	347	347				
33		RMFO system		main SRS								317	347	347				
34				Pulse width (ms)								317	347	347				
35				Time between pulses (s)								317	347	347				
36				Frequency: Center(MHz)/Span(KHz)								317	347	347				
37				Phase °								317	347	347				
38				Pa								317	347	347				
39				Pf (kW)								317	347	347				
40				ΦM or % reflected								317	347	347				
41				FEC probe								317	347	347				
42				CC Probe								317	347	347				
43				Helicon Pf/Pr	50/5	50/1						317	347	347				
44				Helicon (SRS/mod)	0.27	0.7						317	347	347				
45			Comments/changes:	for Δφ = π/2, n _e = 2.1e12 cm-3 for 16-cm dia plasma														

sheet ___ of ___

NO BIG CHANGE IF X77