

# Westford VGOS Setup Checklist

	A	B
1	5/2/2019 Westford checklist	
2	fesh -d <sched> Automatically gets files and creates session files	
3	check_ntp Verify the NTP is sync'd	
4	log=<schedule name><station id> vt7011wf	
5	rdbe_status 0x0f41	
6	mk6=dts_id !dts_id?0:Mark6-4605:1.0.24-1:1.2;	
7	Confirm MCI is running by viewing display and confirming clock is running	
8	mk6=msg? clears mark6 message que	
9	mk6=mstat?1 Query for group 1	
10	If needed erase module:	
11	mk6=group=unprotect:<group>	
12	mk6=group=erase:<group>	
13	If needed initialize module:	
14	mk6=mod_init=<slot>:<#disks>:<msn>:<type>:new mk6=mod_init=1:8:HAY%0001:sg:new	
15	Create, Mount, and Open the module for operations	
16	mk6=group=new:<slots> mk6=group=new:1	
17	mk6=group=mount:<slots>	
18	mk6=group=open:<slots>	
19	mk6=group? Confirms if group is created properly	
20	time This will display the RDBE pps,dot, and gps	
21	If there needs to be a time correction use the fmset command	
22	mk6in Confirms RDBE data is streaming	
23	If needed to re-initialize the RDBE:	
24	rdbe_fpga	
25	rdbe_init<id> id is either a,b,c,d	
26	time run this to confirm status of any changes	
27	rdbe_status 0x0f41	
28	Start pointing checks:	
29	proc=point	
30	initp	
31	casa	
32	proc=<schedule name><station id> vt7011wf	
33	setupbb	
34	ifdbb	
35	mk6bb	
36	auto	
37	proc=point	
38	onsource	
39	fivept Westford normal offsets less than .025 degrees	
40	onoff Sefd numbers 2000-5000 are normal	
41	azeloff=0d,0d	
42	mk6=input_stream?	
43	mk6=record=on:30:30:<time>:<mk6tst>:wf;	
44	mk6=record? Do this command while recording to show status	
45	mk6=rtime? Displays recording space left on disk	
46	mk6=scan_check?	

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47	<b>Gator test scan on Mark6</b>	
48	<b>DQA vdif files from test scan to confirm no problems</b>	
49	start_mlog This starts the multicast data	
50	Send Ready Message	
51	Startremote	
52	Schedule=<session><station id>,<nnn>	
53	Send Start message	
54	Control Shift K This opens a window displaying scan_cheks from active log file	
55	Monitor session and enter hourly WX, and operational comments	
56	<u>End of Session:</u>	
57	schedule=	
58	stop_mlog	
59	Send Stop message	
60	<u>Do pointing checks:</u>	
61	proc=point	
62	initp	
63	casa	
64	proc=<schedule name><station id> vt7011wf	
65	setupbb	
66	ifdbb	
67	mk6bb	
68	auto	
69	proc=point	
70	fivept	
71	onoff	
72	azeloff=0d,0d	
73	<u>Send tests scan to the correlator:</u>	
74	From the Mark6 terminal:	
75	<u>Ensure there is space on the system disk before starting. It is /dev/sda1</u>	
76	df	
77	<u>Should be at least 20% free before beginning. Delete old test scans if needed.</u>	
78	gator <slots> <scanname>.vdif ~/	
79	Wait till the prompt reappears: ~5 minutes	
80	dqa -d <scanname>.vdif	
81	Wait till prompt reappears ~ 5 minutes	
82	<u>Send files to Haystack:</u>	
83	scp <scanname>_*.vdif oper@evlbi1.haystack.mit.edu:/data-st10/vgos/	
84	Wait for confirmation from correlator that all data look good	
85	<u>Procedure to remove module for shipping:</u>	
86	mk6=group=close:<slots>	
87	mk6=group=unmount:<slots>	
88	Turn key OFF on disk module	
89	mk6=mstat?all	
90	<u>Transfer log session file</u>	
91	log=station	
92	<u>Open terminal window</u>	

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93	plog -l      This is an “L”	
94	Note: if the scan_check window is open on the FSPC, this may not work. CTRL-C the window	