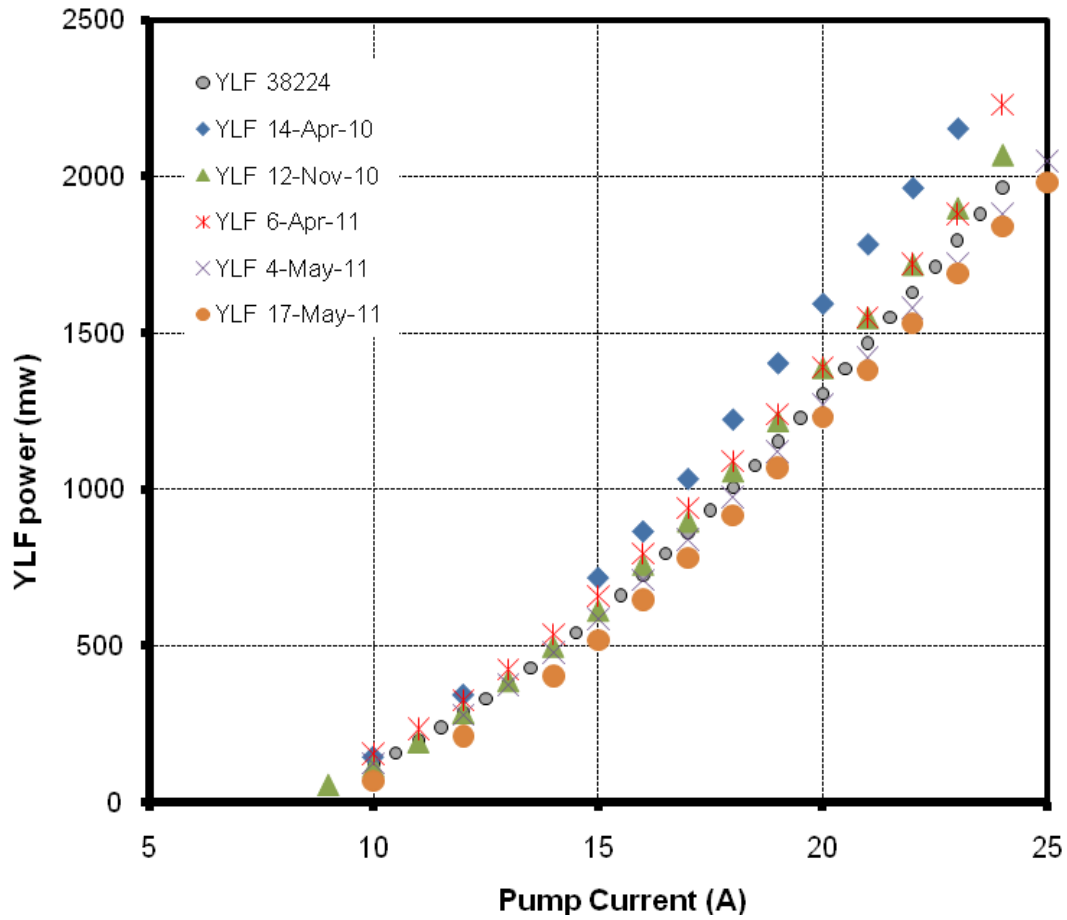


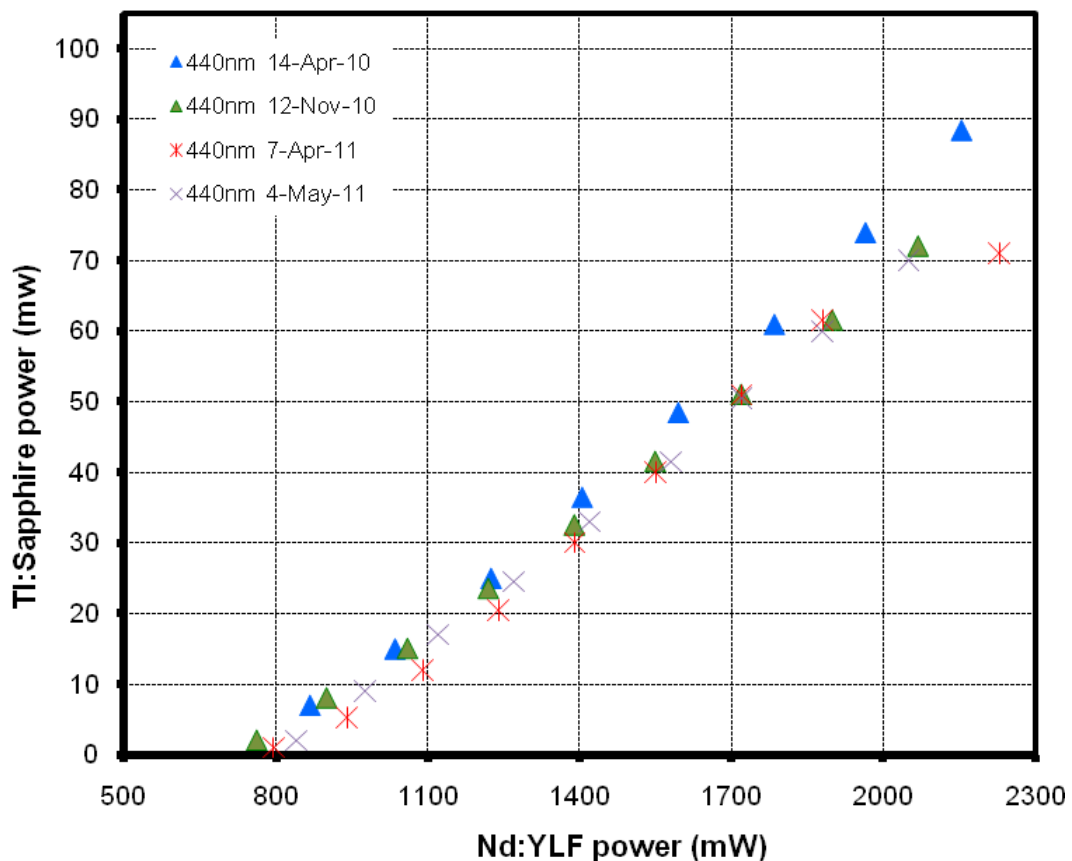
LASER 2

ETM=30049 hrs, new lamp 4 May (+ flow tube broken)

Nd:YLF LASERS 2



Nd:YLF LASER PUMPED TI:S LASERS 2



Current A	YLF 4-May-11	440nm 4-May-11
7		
8		
9		
10	69	
11		
12	213	
13		
14	404	
15	518	
16	647	
17	781	2
18	917	9
19	1070	17
20	1230	24.5
21	1380	33
22	1530	41.5
23	1690	50.5
24	1840	60
25	1980	70

1) Just Crystal mounted

A	power W
10	0.32
15	9.3
20	21.6
25	35.5

2) + the 2 mirrors after the crystal

A	power W
10	
15	9.5
20	21.5
25	36

3) + Q-Switch

CW: power idem as before. 1 KHz:

A	power W	
15	4.17	
20	10	
25	16.3	FWHM= 185 ns

hold off OK , RF ON , no PRF.

4) CW + Ht/Hr + LBO

A	power W
15	8.6
20	19.7
25	31.1

5) 1KHz

A	power (W)	1KHz as Quantronix
15	3.85	
20	9.65	
25	16.5	

5) Back to normal, remove 12% T mirror, 100Hz calibration. Pulse stable.