

LASER1

20-23 August 2007

NEW LAMP ETH= 19046 hrs.
NEW FLOW TUBE
NEW CRYSTAL
NEW RF DRIVER 392
Change Relay logic unit

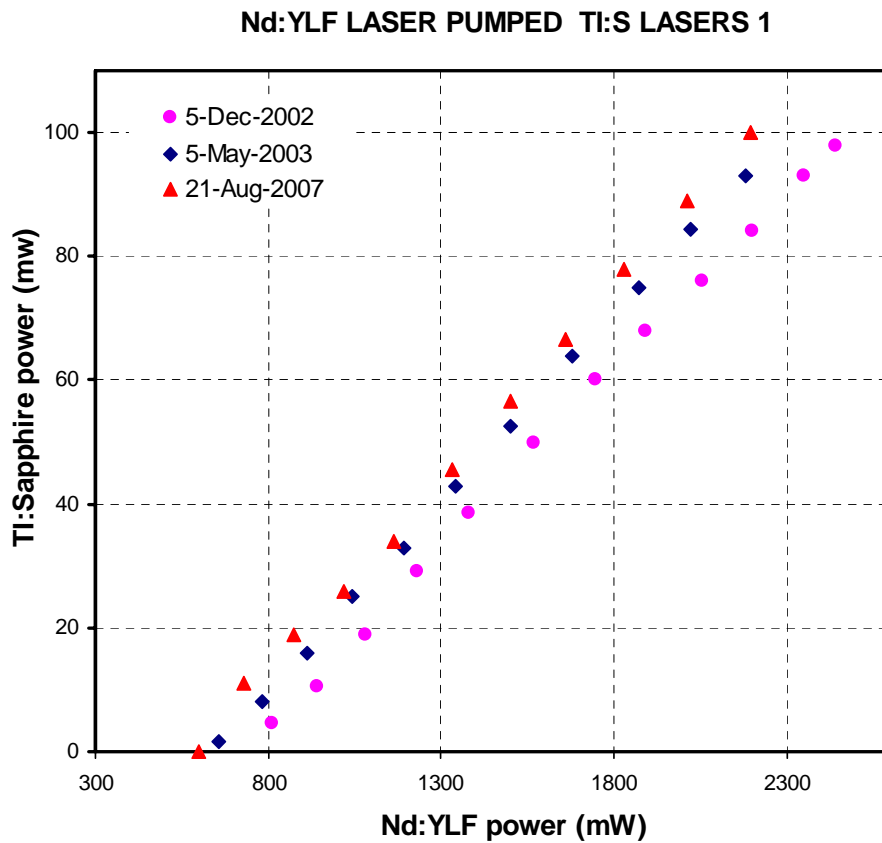
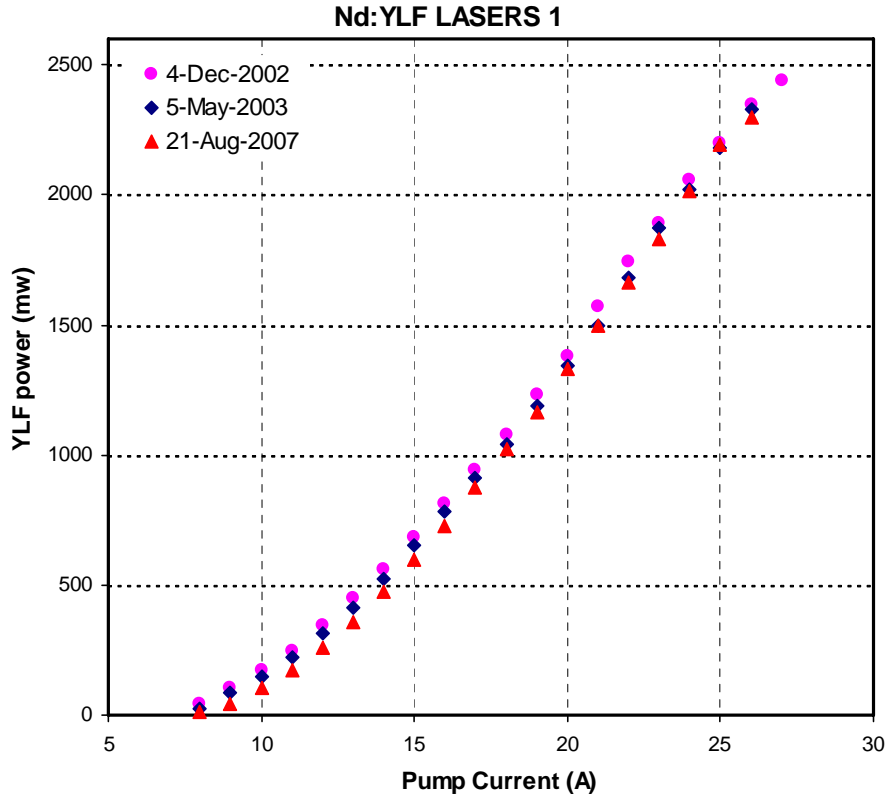


Table with Power values in W

I(A)	Only polarizer	+ Sphe + CYL	+ Q-Switch CW	Q-Switch 1KHz	Pulse width (ns)	+ HT/HR	+ LBO CW	1Khz	Pulse width (ns)
15	12		11.7	5.5		11	10.5	4.7	
20	27		26.1	12.2	380	24.8	23.7	11	
25	44	idem	43	19	210	41.3	39.6	17.3	178
26	47		45.8	20.1	178				
27	50		49.2	21.3	150				

HOLD OFF: get some power. 5W @ 15A but no lasing on IR viewer

With Q-Switch 1KHz, check again previous RF driver:
no more pulse after 21.4 A --> RF driver to be checked

Current A	YLF 21-Aug-2007	440nm 23-Aug-2007
7	T=7.3	
8	14	
9	46	
10	102	
11	175	
12	259	
13	357	
14	472	T=14.2
15	597	3.7
16	728	11
17	873	19
18	1020	26
19	1164	34
20	1330	45,5
21	1500	56,5
22	1662	66,5
23	1830	78
24	2013	89
25	2195	100
26	2300	