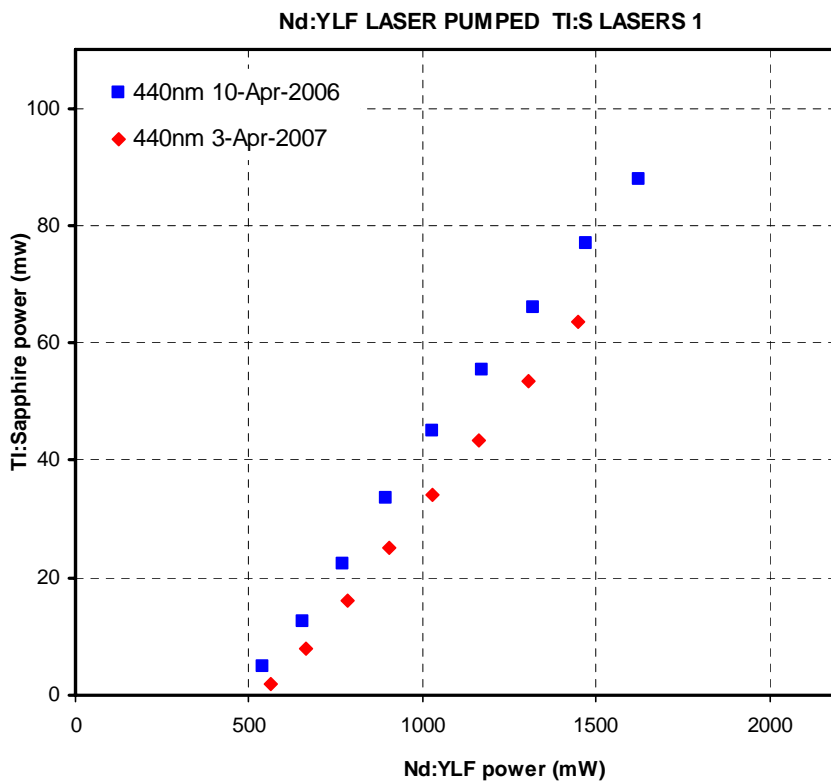
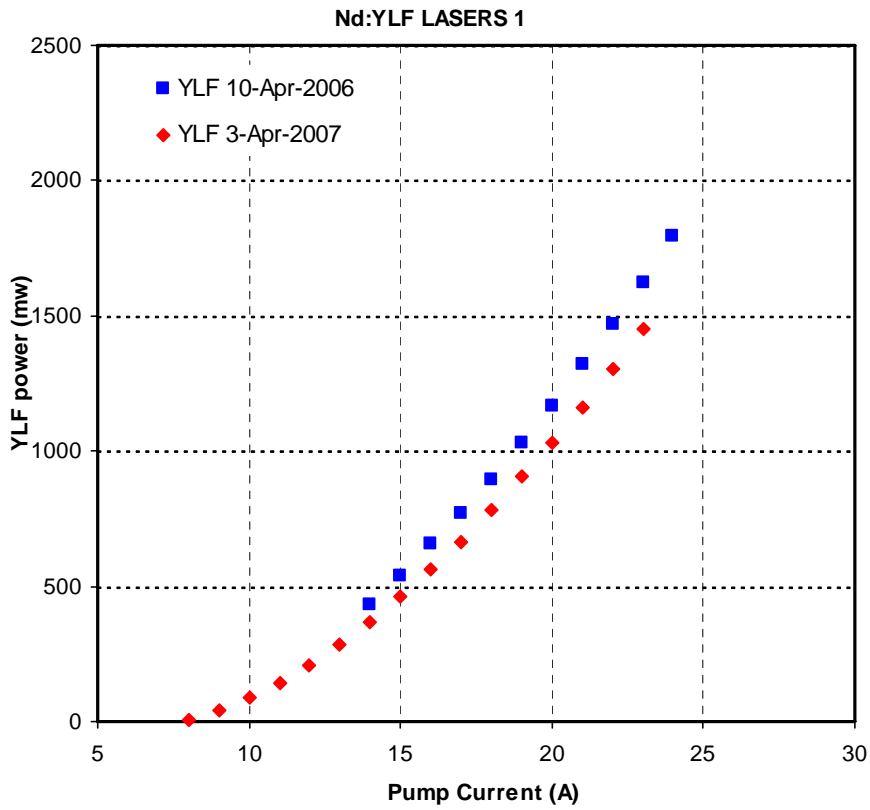


ERROR discovered Friday 30 March:

"Qswitch fault. Please reset system"

PROBLEM: fault ERROR RF driver. MASTER+LOW RF LED were ON

NEW LAMP ETH= 16282 hrs.



Previous YLF tuning: 20 Oct. 2004, Liyuan (new crystal)

1) Cylindrical lens + Q-switch

install at the same time for tube protection installation.

	power (W)
10	0,245
15	8,3
20	19,3

Check hold OFF, RF ON (but no trigger PRF)

	power (W)	
15	4	
20	9	
22.5	12	FWHM= 265ns
25	14,8	FWHM=190ns

should be no lasing up to 25A (middle position)

Check the Qmode, RF ON , PRF 1KHz

same as before

2) HT/HR mirror, CW

T=9,6A	power (W)
15	7,6
20	18,3
25	30,6

3) LBO, CW

	power (W)
10	0,35
15	7,2
20	16,7
25	27,4

4) LBO, all ON, 1KHz

T(green)= 10,4A

	power (W)	
12,5	1,5	
15	3,5	
20	8	FWHM=300ns

5) Remove 12% mirror, put HR/HT mirror

Qmode 1KHz , green OK. Optimize phase LBO

Back to 100 Hz

calibration results

FWHM(YLF)= 150ns@22A

SHORT RUN: dso20031-1.ps 22,5A		
TiS	NRG= 6,5	A=4,3ns
	FWHM= 28,5ns	C=4,8ns
	CTRG= 1,6ns	D= 4,92ns

Start at 22.5 A

Current A	YLF 3-Apr-2007	440nm 3-Apr-2007
7		
8	7	
9	42	
10	87	
11	142	
12	209	
13	287	
14	370	
15	460	T=15.2
16	561	2
17	664	8
18	783	16
19	904	25
20	1030	34
21	1164	43,5
22	1304	53,5
23	1450	63,6
24		
25		

In March with Liyuan :

10A 115mW

15,2A 585mW T for blue

20A 1185mW 20mW