

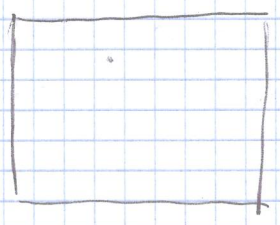
17 | 14:00 LGSW started: new DARK 20150702-210420  
 PCT 20150702-210642  
 210813

ao @ wfsdx

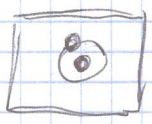
ao\_check  
 ao\_stop  
 ao\_start  
 start AO

- 1) Pot Com orientation
- 2) PM IM to prob angles

Blue angle =  $184^\circ$   
 Yellow =  $-158^\circ$   
 Red =  $+170^\circ$



spot on Pot com  
 C-PM algo



spot in LGSW  
 was ~~not~~ after Command

00 rain + thunder-storm

20 LGSW only: 

-1.1	-153
-7.9	200
-2.03	

acquire new IM for TCOG48

UBAPS	IM	LGSW REC
14 M26 - 212700	20150702_064857	20150703_065900

COMBINED REC	TT REC	COMBO TAG
50703_065600	20150429_112300	TCOG48+QC
_065700		TCOG48+B1N2
_065800		TCOG48+B1N4
_065900		TCOG48 only

load the TCOG48 only and we set a 1.2" equivalent disturb

IM	REC	
50703 - 071417	}	20150703_065900
- 071445		
- 071508		
- 073708	}	20150427_073600
- 073755		
- 073822		



**TODO:**

→ adjust DX hold mirror interlock

- check clean room connections
- check LAB TOOLS :
  - manifold
  - quick connectors
  - ~~insulating~~ insulating foam

We try to calibrate 200 modes on the LGSW

IM	SUBAPS	LGSW REC
20150703 - 074729	2014M26-212700	20150703 - 074800
COMBINED REC	TT REC	COMBO TAG
20150703 - 074900	-	TCOG48 only

TN  
 20150703\_075345  
 -075415  
 -075445 } 20150703\_074900 → 200 modes

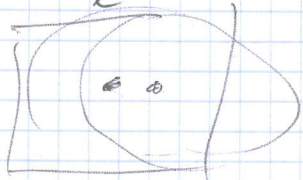
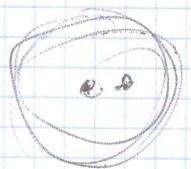
it still corrects between 150 and 200 but ~~the lower modes are~~ less stable.

PI with LGSW only

-1.27; 0.82
1.86; -0.70
2.20; -1.85

PI when center FoV

-0.00506; 0.0002
-0.002; 0.0032
-0.00402; -0.00061



Before we had

-0.00207; -0.00116
-0.00295; 0.00222
-0.00195; -0.00107

init	-72.55	-53.95		
BLU edge <sup>ALTO</sup> DX	-72	-53.95	20150703_094103	185; 212
BLU edge <sup>LOMO</sup>	-74.3	-53.95	" 094343	185; 207
BLU edge DX	-73.15	-52.5	094823	187; 209
BLU edge SX	-73.15	-55.6	095031	182; 209



@ blu @ -4.05; 0.2 mrad

close ~~on~~ TCO648 Bin 4 then we move the board

BOARD

TU

$\Delta x = +2 \text{ mm}$

$\Delta y = 2 \text{ mm}$

5	-54	20150703_100415
3	-54	100503
2	-54	100607
0	-54	100823
5	-54	100917
2	-54	101133
5	-53.5	101447
5	-53.5	101518
5	-53.4	101613
5	-53.0	101713
5	-52.7	broken
5	-54.3	102013
5	-54.5	102124
5	-54.7	102221

switch on the lights to get a bright background (diodes moved to min)

2	-54.0	103447
1.2	-54.0	103714

make the combined REC for the single pupils

IM

LGBW REC

blue

~~yellow~~

yellow

red

20703_064857	20150703_104100
	104200
	104300

LAO bin 4 + TCO648 ~~blue~~ yellow: 20150703\_104400  
blue ~~red~~ 105200

2.5	-54.0	104933	loop just <del>blue</del> yellow
2.5	-54.0	105556	BLUE
B.3	-54.0	10721	