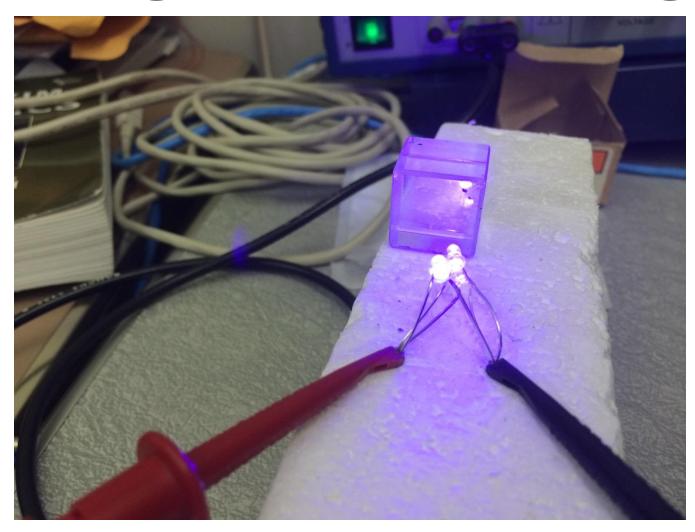
Update 5

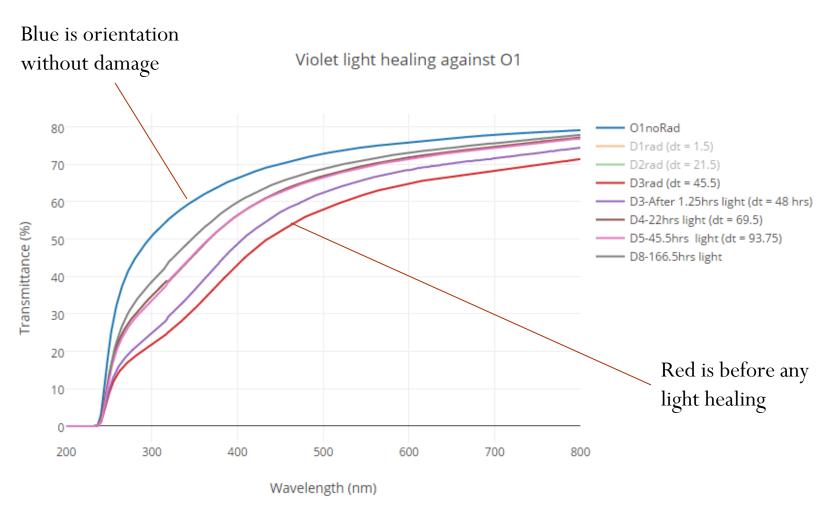
Characterization of PWO

Healing the cube with violet light



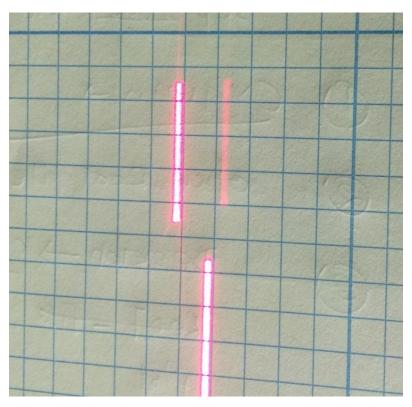
3.4V used

Cube transmittance



Refractive index messiness

Another way to measure: align delta-x to graph lines and then measure angle

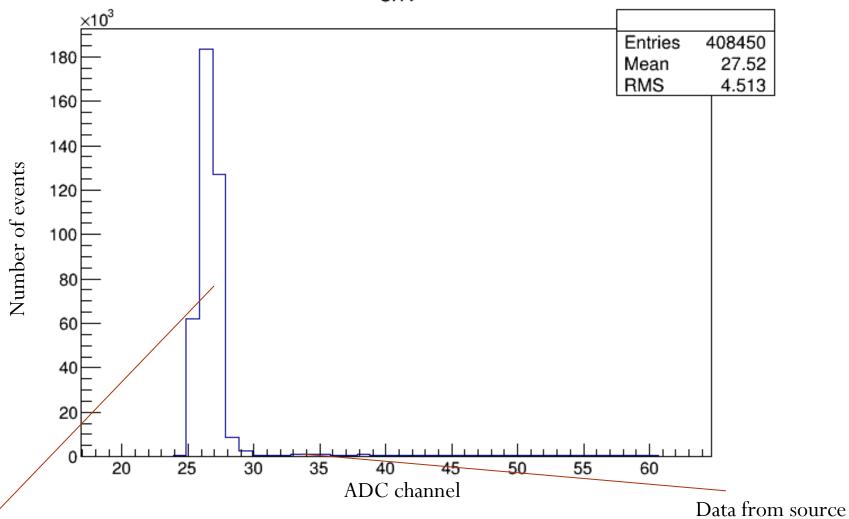


Messiness

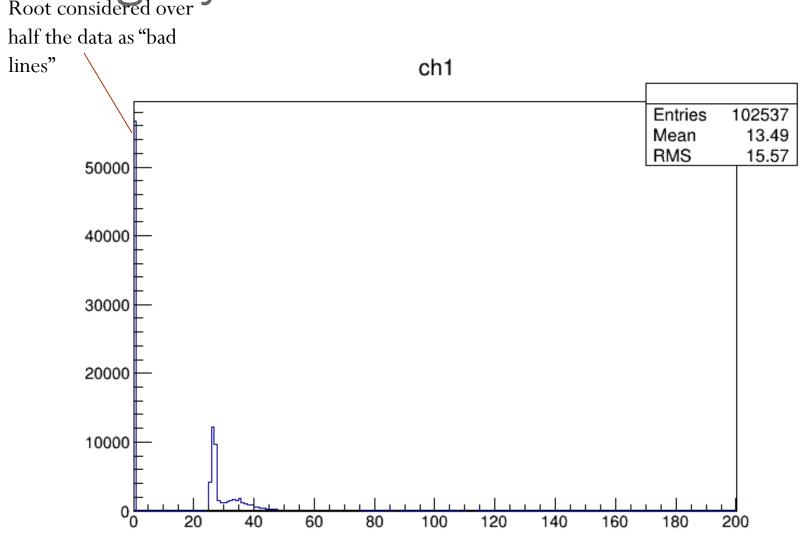
- When measured with 1 "box" as delta x, the RI was 2.15
- When measure with delta x as 2 it was 2.35
- I did not see a correlation between a larger delta x and the RI before
- Also, the error, systematically, is higher than I thought. It is closer to .4mm which entails a huge error of $\pm .25$
- Statistically the error is still closer to $\pm .1$

Preliminary light vield

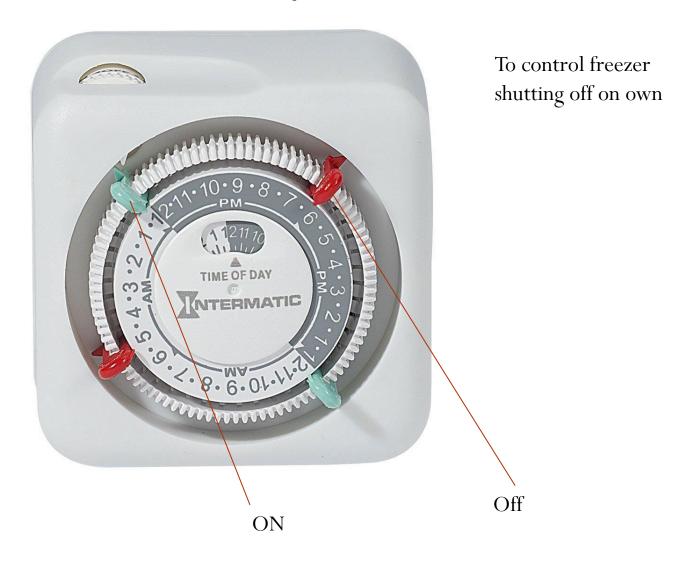
Pedestal



Light yield Root considered over



Timer for Freezer/heater



Transmittance of crystal 064

Have the data for orientations 1 and 2, did not get a chance to analyze it

	P2in				P4in	
185	434	69.01837	18	80	444	69.38201
186	432	68.9173	18	81	442	69.38476
187	430	68.83318	18	82	440	69.37528
188	428	68.73487	18	83	438	69.34095
189	426	68.64589	18	84	436	69.28371
190	424	68.54279	18	85	434	69.21996
191	422	68.47938	18	86	432	69.12314
192	420	68.38451	18	87	430	69.03555
193	418	68.29395	18	88	428	68.94518
194	416	68.20381	18	89	426	68.85306
195	414	68.1036	19	90	424	68.74357
196	412	67.99899	19	91	422	68.65355
197	410	67.93211	19	92	420	68.56503
198	408	67.81987	19	93	418	68.4732
199	406	67.70493	19	94	416	68.39091
200	404	67.62011	19	95	414	68.27583
201	402	67.50968	19	96	412	68.16183
202	400	67.39264	19	97	410	68.08635
203	398	67.30265	19	98	408	67.98814
			19	99	406	67.87711
			20	00	404	67.78917

What's next

- Take data on RI, transmittance, and light yield
- Update the wiki
- Write research paper