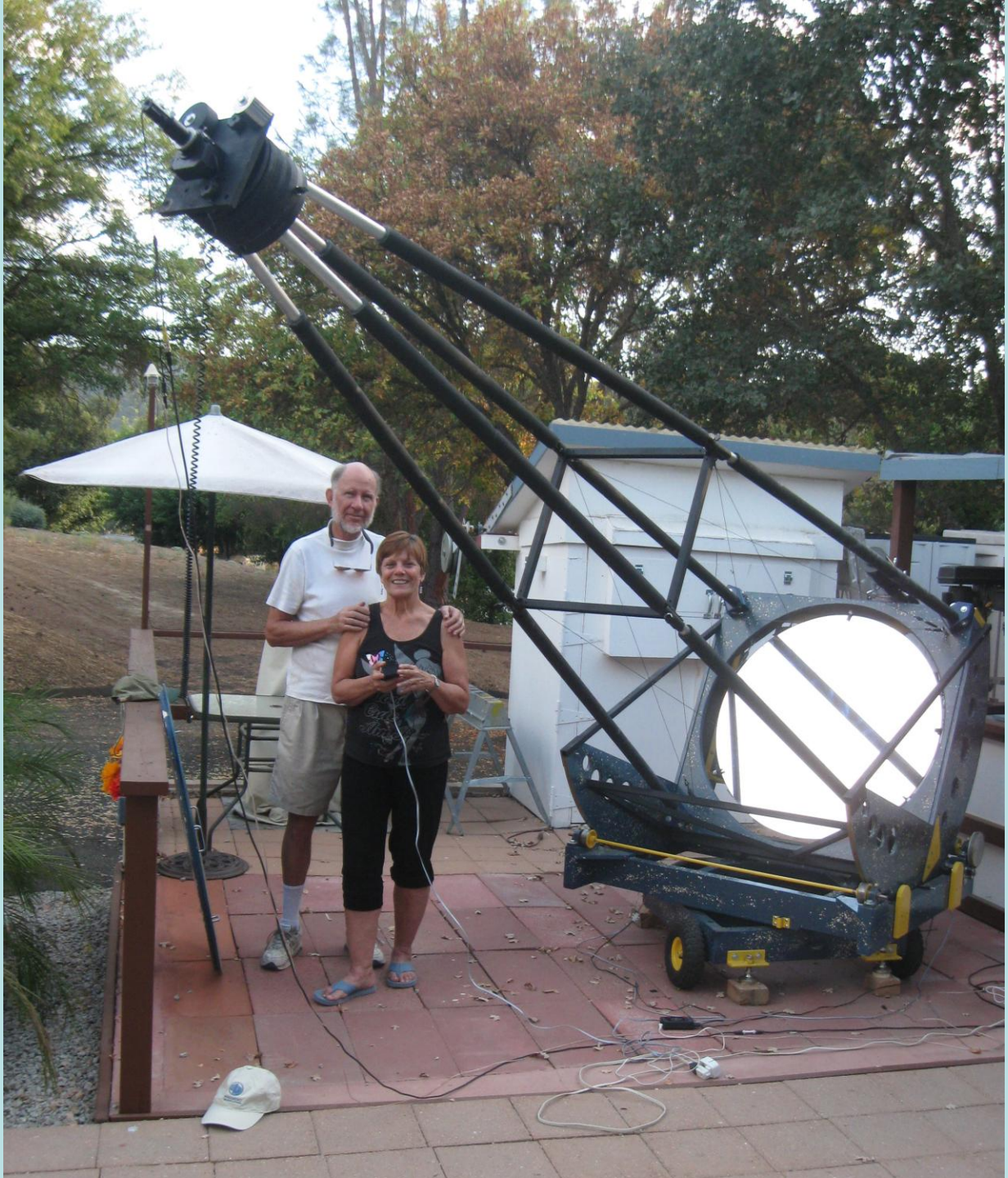
Portable Computerized 1 Meter Telescope

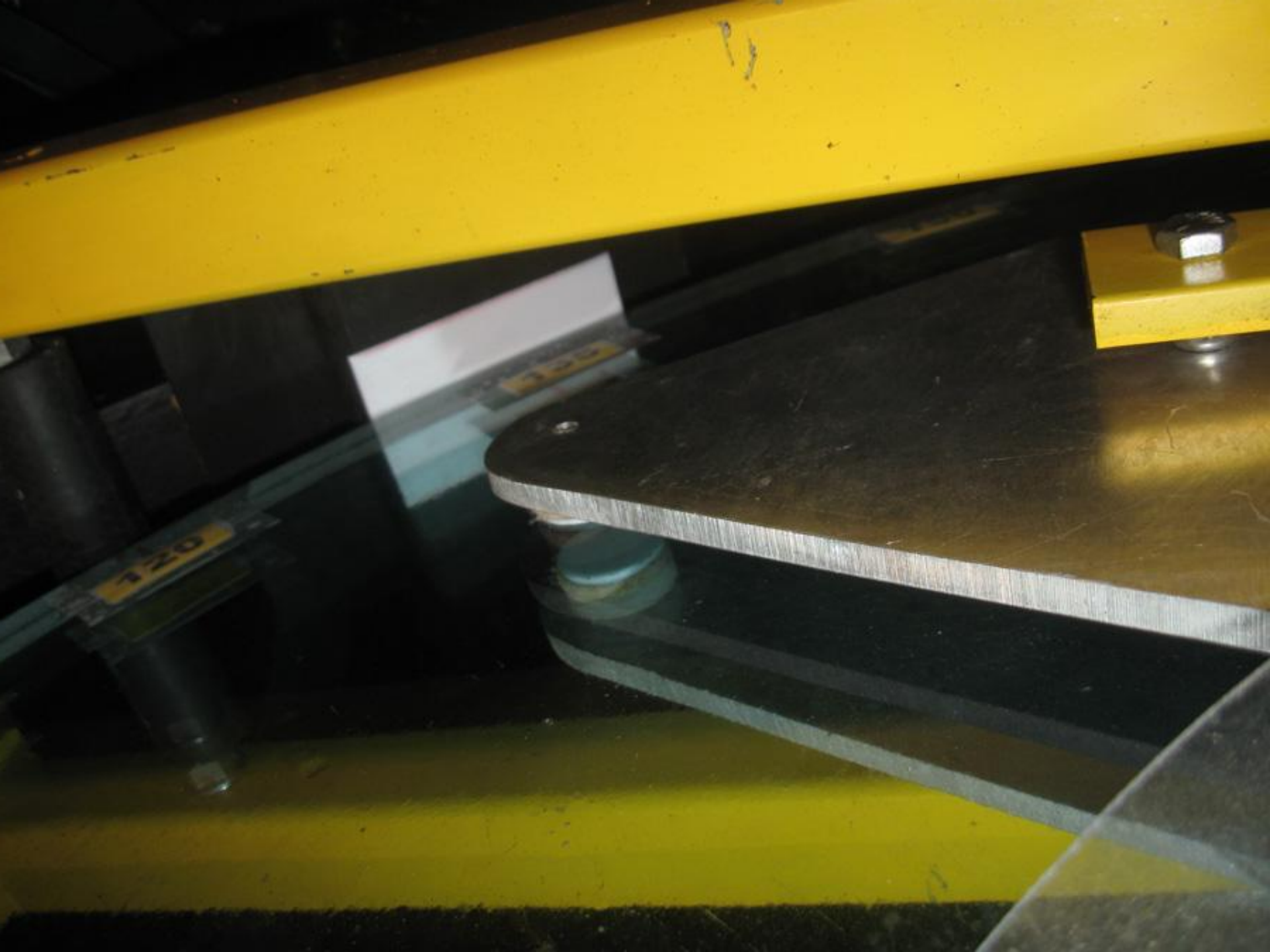
Russ Genet

Reed Estrada

Chris Estrada




MITSUBISHI



Berkley
50 LB/23 KG
CHOOSE/HOLD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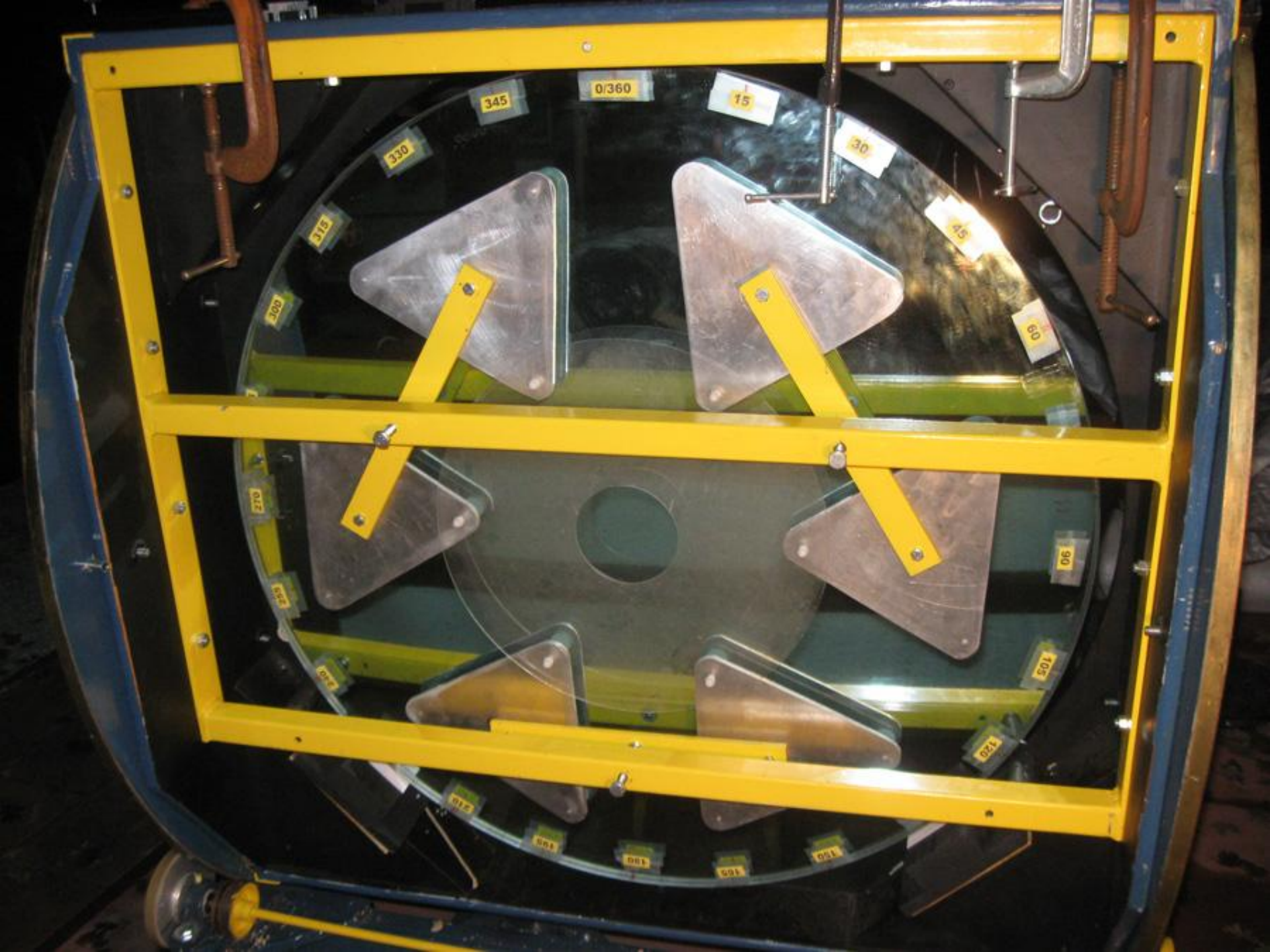

0/360
15
30
45
60
90
105
120
135
150
165
180
195
210
225
240
255
270
285
300
315
330
345

240

End Optimization

Stats 3/166
Error 51.251 um

Curvature 1e-6
SC .001
Spacing .05
Corrector .002

Trace
Auto Focus
Polychromatic

EFL
3926.8
f/D
3.927

Red 750 nm
Green 550 nm
Blue 420 nm

FOV 4 Auto Scale 2.1" per

0 Object
Distance 1e20
Diameter 1000

Spacing 0 Opt

1 Mirror
Radius 7950 Opt
SC 0 Opt
Diameter 1000

Spacing 3816.51 Opt

2 Lens BK7
Radius 1 -64.6 Opt
Thickness 5 Opt
Radius 2 1e20 Opt
Diameter 50

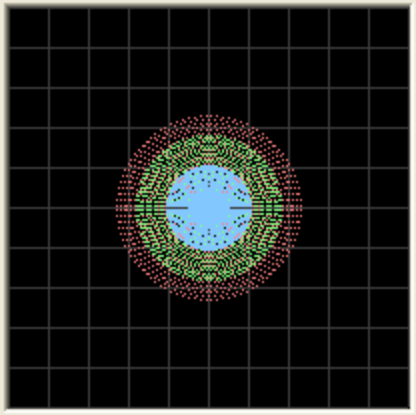
Spacing .5 Opt

3 Lens BK7
Radius 1 64.4 Opt
Thickness 10 Opt
Radius 2 1e20 Opt
Diameter 50

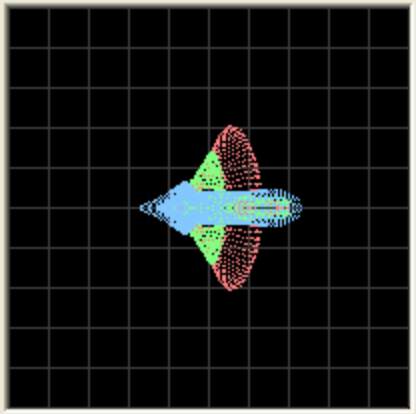
Spacing 151.146 Opt

4 Focal Surface
Radius 1e20 Opt

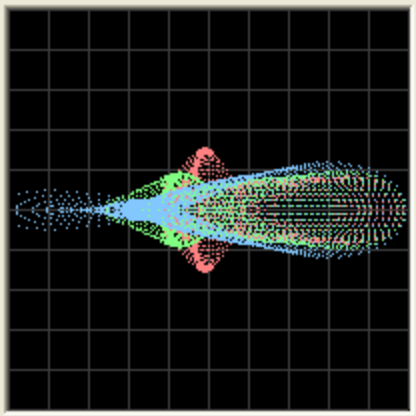
Angle (deg) 0
Distance 0
Trans (%) 100
RMS Diam .08317
Weight .7

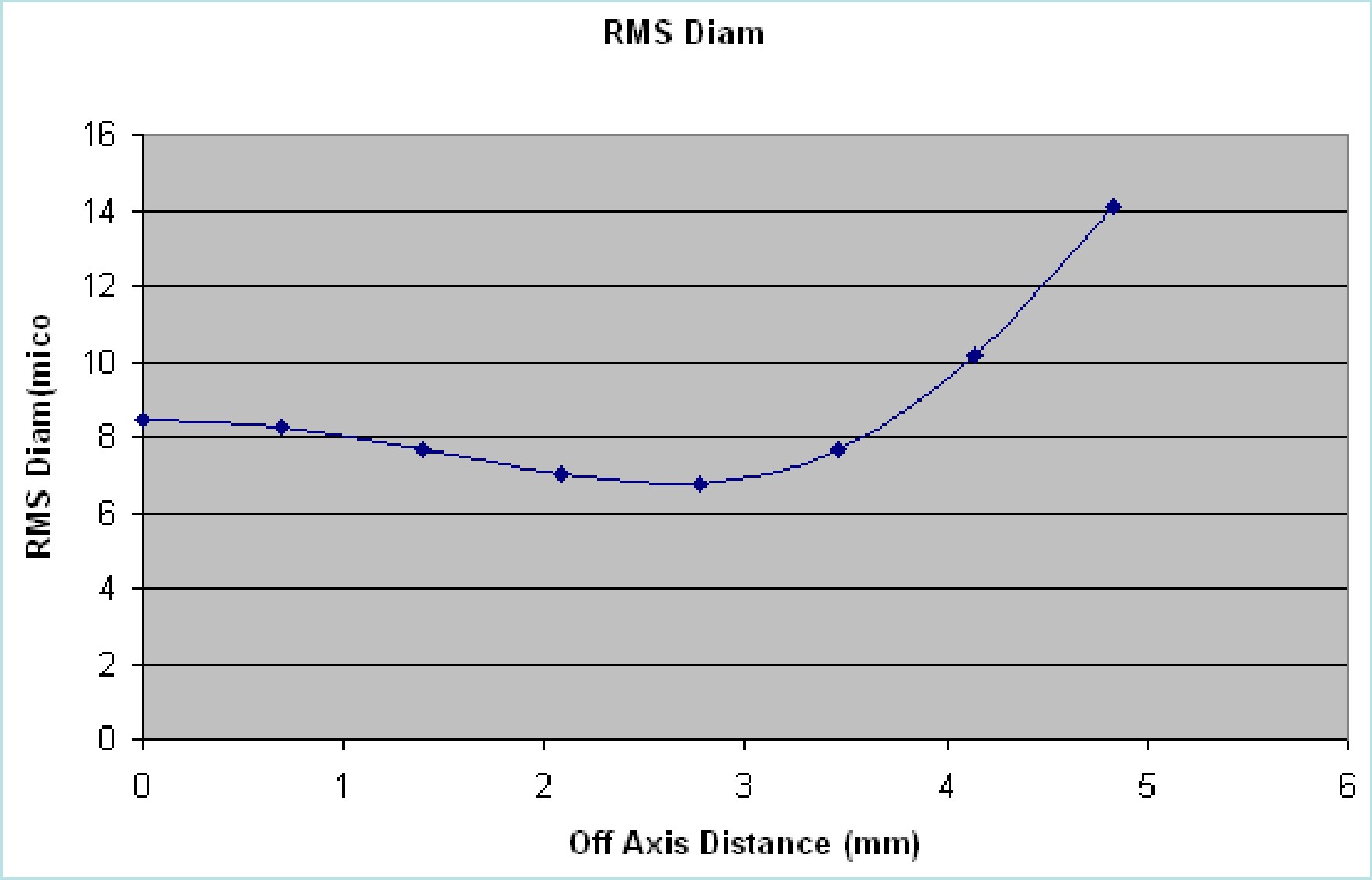


Angle (deg) .05
Distance 3.459
Trans (%) 100
RMS Diam .07642
Weight 1



Angle (deg) .07
Distance 4.827
Trans (%) 99.57
RMS Diam .1421
Weight 1




RMS Diam
RMS Diam(mico
16
14
12
10
8
6
4
2
0
0
1
2
3
4
5
6
Off Axis Distance (mm)

Further Efforts Prototype I

- Moonlite balls and sockets/Top ring/Spider
- Moonlite 3.5 inch focuser/rotator
- Parabolic f/3 mirror
- Baffles
- Misc. fix up
  - Counter weights
  - Cables/electronics/battery
  - Control system tuning
  - Etc., etc. etc.