

Winer Observatory Telescope Parts Sale

GIANT Telescope Parts Sale!
Everything MUST Go!
Prices Negotiable, No Reasonable Offer Refused
You Pick Up, Or Shipping Extra
All Items As-Is, Please Call for Better Description
May 15, 2010

Mark Trueblood
Winer Observatory
P.O. Box 797
Sonoita, AZ 85637-0797
Mon-Fri (Day) 520-318-8519
Weekends (Nights) 520-455-9263
[winer.obs \(at\) gmail \(dot\) com](mailto:winer.obs(at)gmail(dot)com)
<http://www.winer.org>

Note: We reserve the right to change prices at any time.

Section	Contents	# Items	Page
A	Complete Telescope Systems	2	1
B	Optical Tube Assemblies	9	2
C	Partial Optical Tube Assemblies	4	3
D	Carbon Fiber Tubes (Amalga Composites, Inc.)	7	4
E	CCD Cameras	7	5
F	Binoculars	3	5
G	Filter Wheels	4	5
H	Optics	17	6
I	Focusers	23	7
J	Spiders, Elliptical Mirror Holders, Instrument Rotators, Etc.	18	9
K	Parallax Tube Rings and Mounting Plates	10	10
L	Counterweights for Bisque and Paramount mounts	14	10
M	Eyepieces, Adaptors, and Accessories	28	11
N	Miscellaneous Items	8	13

Note: A strikeout line means an item is no longer available. Brackets mean an item is being reserved for someone. Items are going fast! Call NOW!

<u>Item #</u>	<u>Description</u>	<u>Value</u>	<u>You Pay</u>
A. Complete Telescope Systems			
1.	Complete 20-inch Newtonian telescope system		\$14,500
	22" x 73" carbon fiber composite optical tube assembly containing	4,000.00	
	20" F/4 1.5" thick primary mirror 158-3/8" ROC and mirror cell	4,250.00	
	Marked on back of mirror 'NOVA f.l. 78.1" #10-01-1259'		
	4.5" AstroSystems secondary mirror and spider assembly	575.00	
	3" Motorized focus assembly	500.00	
	22" Parallax telescope rings (pair)	350.00	
	Software Bisque Paramount ME telescope mount	10,000.00	
	Steel pier for Paramount ME mount, 18" in height	500.00	
	Total Value	20,175.00	
2.	Meade 8" (non-GO-TO) telescope with wedge and field tripod		\$475

Winer Observatory Telescope Parts Sale

B. Optical Tube Assemblies

<p>3- 15" OTA in carbon fiber tube 15.75" (16") O.D. carbon fiber tube 56" long (\$3,628 new), containing spider assembly with secondary mirror holder 3.5" secondary mirror primary mirror cell 14.5" primary mirror</p>	<p>3,625.00 75.00 375.00 95.00 1,800.00 Total Value 5,970.00</p>	<p>\$2,450</p>
<p>4- 20" OTA in carbon fiber tube Carbon fiber optical tube assembly 22" diam. X 58" long (\$4,191 new) 20" diameter NOVA Optics f/4 primary mirror 8" diameter second mirror and spider 4.5" diameter AstroSystems tertiary mirror and spider with motorized focusing assembly Pair of 22.4" ID Parallax tube rings Add an FLI IMC1024 CCD camera for only \$2,500!</p>	<p>4,190.00 4,000.00 925.00 575.00 150.00 350.00 Total 10,190.00</p>	<p>\$4,950</p>
<p>5- 20" OTA in carbon fiber tube Carbon fiber optical tube assembly 22" diam. X 58" long (\$4,191 new) 20" diameter primary mirror 8" diameter second mirror and spider 4.5" diameter tertiary mirror and spider with motorized focusing assembly Pair of 22.4" ID Parallax tube rings</p>	<p>4,190.00 4,000.00 925.00 575.00 150.00 350.00 Total 10,190.00</p>	<p>\$3,950</p>
<p>6- 12-inch f/5 mirror in steel OTA, double curved M2 holder</p>		<p>\$275</p>
<p>7- Intes 4" Maksutov OTA Intes Russian 4" Maksutov telescope, mounted in two Parallax rings Contrast enhancing filter, for 4" Maksutov</p>	<p>450.00 500.00 Total Value 950.00</p>	<p>\$975</p>
<p>8- Orion 120 mm F-5 refractor, new, in original box</p>		<p>\$275</p>
<p>9- Orion AstroView 120ST EQ #9005, similar to #09836 120 mm F-5 refractor, like new, in original box (no manual or TheSky Student disk)</p>		<p>\$200</p>
<p>10- Orion AstroView 120ST EQ #9005, similar to #09836 120 mm F-5 refractor, like new, in original box (no manual or TheSky Student disk)</p>		<p>\$200</p>
<p>11- Orion AstroView 120 EQ, similar to #09867 120 mm F-8.3 refractor, like new, in original box (no manual or TheSky Student disk)</p>		<p>\$375</p>

Winer Observatory Telescope Parts Sale

C. Partial Optical Tube Assemblies

12.	20" OTA (primary mirror not mounted, 22" diameter x 58" carbon fiber tube (\$4,191 new); contains secondary spider and circular 7" diameter flat mirror tertiary spider and 4" minor axis elliptical flat mirror 20" mirror cell 20" f/5 mirror Pair of 22.4" ID Parallax tube rings	4,190.00 850.00 475.00 50.00 3,500.00 350.00	\$3,750
	Total Value	9,415.00	
13.	16" OTA 18" diameter carbon fiber optical tube assembly 48" long (\$3,559 new Optical Technology 16" diameter f/4 x 2" thick primary mirror; 128-1/4" ROC 7" diameter secondary mirror and spider spider assembly for tertiary mirror 3.5" minor axis elliptical tertiary mirror assembly with mirror	3,560.00 2,500.00 900.00 75.00 350.00	\$2,250
	Total	7,385.00	
14.	14" OTA 15 1/4" inner diameter carbon fiber tube, with custom metal front cover (est. \$3,500 new) 14" primary mirror No attached secondary mirror, your choice of what we have in stock In crate, ready to ship		\$2,950
15.	7 3/4" corrected (front corrector window) Newtonian optical tube assembly		\$475

Winer Observatory Telescope Parts Sale

D. Carbon Fiber Tubes (Amalga Composites, Inc.) temperature coefficient of 0.17×10^{-6} inch/inch of length (0.17 parts per million); dollar quotes for new tubes are from a recent email from Amalga salesman

Note: See Item 150 (bosses and spacers) in Section N for bosses for tubes with diameters of 22" or 15.5" O.D.

Add a 20-inch f/5 primary mirror to any tube for only \$2,900! (OMI charges \$4,100); same price for a 20-inch f/4 (OMI charges \$4,400)

16.	22" diameter x 58" carbon fiber tube; empty (new \$4,191)		\$2,950
17.	22" diameter x 58" carbon fiber tube (new \$4,191); contains	4,190.00	\$3,450
	two spiders	150.00	
	pair of parallax rings	350.00	
	Total Value	4,690.00	
18.	22" diameter carbon fiber tube; 72" long (new \$4,471) ; containing two spiders		\$1,495
19.	22" diameter carbon fiber tube; 72" long, empty, new, in original shipping container (new \$4,571)		\$2,950
20.	22" diameter carbon fiber tube; 72" long, empty, new, in original shipping container (new \$4,571)		\$1,450
21.	22" diameter carbon fiber tube; 72" long, empty (new \$4,571)		\$1,450
22.	22" diameter carbon fiber tube; 72" long, empty (new \$4,571)		\$1,450

Winer Observatory Telescope Parts Sale

E. CCD Cameras

Note: FLI Img-1024S cameras with the parallel port interface work well with Windows XP, contrary to rumor. Contact me to learn details.

23-	FLI IMG-1024S 1024x1024x24um S/N 052101-107 CCD Camera (May 2001) w/cable	\$2,950
24-	FLI IMG-1024S 1024x1024x24um S/N 111301-120 CCD Camera (November 2001) w/cable	\$2,950
25-	FLI IMG-1024S 1024x1024x24um S/N 061202-132 CCD Camera (June 2002) w/cable	\$1,650
26-	FLI IMG-1024S 1024x1024x24um S/N 082301-112 CCD Camera (August 2001) w/cable	\$1,650
27-	Apogee AP8P S/N AA725 with cable	\$2,250
28-	Apogee AP7 S/N AI98271 w/ ISA interface board and cable	\$1,475
29-	TERM Engineering CCD camera for CCD camera hobbyist (highest offer by July 31, 2009 takes this package)	\$850
	TERM Engineering CCD camera, w/o CCD detector, w/o control cable, and w/o front shutter assembly, with filter holders	500.00
	CCD Detector; SiTe TK1024AB; part # I458C-AW10A-E serial # 5064 BCR-06-04 (engineering grade) in original factory sealed case and anti-static envelope	250.00
	CCD Detector; SiTe TK1024AB; part # I458C-AW10A-E serial # 5102 BBR-01-01 (engineering grade) in original factory sealed case and anti-static envelope	250.00
	Total Value	1,000.00

F. Binoculars

30-	Fujinon 16X 70 binocular	\$295
31-	Mirror binocular mount	\$75
32-	Spectrum 120 X 65 binocular; with case	\$125

G. Filter Wheels

33-	FLI CFW-S S/N 31124-177 2-inch Filter wheel, USB	\$495
34-	FLI CFW-S S/N 31230-179 2-inch Filter wheel, USB	\$495
35-	FLI CFW-S S/N 31124-178 2-inch Filter wheel, USB	\$495
36-	FLI CFW-S S/N 31230-180 2-inch Filter wheel, USB	\$495

Winer Observatory Telescope Parts Sale

H. Optics

37. Nikkor 600 mm F: 5.6 IF-ED lens; in original case, like new, spare filter holder	\$1,750
38. 8" diameter flat circular mirror for folded Newtonian 3-mirror telescope, mounted with threaded holder	\$925
39. 7" diameter flat circular mirror for folded Newtonian 3-mirror telescope, mounted with threaded holder	\$625
40. 7" diameter flat circular mirror for folded Newtonian 3-mirror telescope, mounted with threaded holder	\$625
41. 4.5" minor axis 45-degree Newtonian secondary mirror in mount (Astro Systems)	\$475
42. 4.5" minor axis 45-degree Newtonian secondary mirror in mount (Astro Systems)	\$475
43. Nova Optics 4.5" minor axis 45-degree Newtonian secondary mirror unmounted	\$450
44. 4" minor axis 45-degree Newtonian secondary mirror in mount	\$550
45. 4" minor axis 45-degree Newtonian secondary mirror in mount (Astro Systems)	\$450
46. 4" minor axis elliptical diagonal mirror	\$385
47. 3.5" minor axis 45-degree Newtonian secondary mirror in mount (Astro Systems)	\$350
48. 1.9" minor axis elliptical diagonal mirror	\$175
49. Thin (approx. 3/16") front surface mirror, 3.5" diameter	\$35
50. Thin (approx. 3/16") front surface mirror, 3.5" diameter	\$35
51. Triplet Barlow (~ X2); custom assembled for 3" focuser	\$100
52. Group of three unmounted lenses; for triplet Barlow (~ X2) for 3" focuser	\$75
53. Custom triplet Barlow (~ X2); 2" outer diameter	\$50
53A. 20-inch f/4 NOVA optics primary mirror, f.l. 78.625" #5-02/1261	\$1,750
53B. 20-inch f/5 Norvac Optical Company primary mirror, ROC 199.8"	\$2,150

Winer Observatory Telescope Parts Sale

I. Focusers

Note: See Item 150 (bosses and spacers) designed for the Van Slyke Engineering 3-inch focuser

54.	Van Slyke Engineering motorized 2" focuser with Robofocus interface (no control box or cable), 6" tube, docking plate for round tube, hand control and cable, S/N 000710	\$250
55.	Van Slyke Engineering MacroGlide 3" focuser with Robofocus interface (no control box), flat bottom, S/N 000983 Dated 2005 (see bosses and spacers, Item 150, for mounting hardware)	\$1,150
56.	Van Slyke Engineering Monster 3" focuser with Robofocus interface (no control box), flat bottom, original packing material, S/N 000984 Dated 2005 (see bosses and spacers, Item 150, for mounting hardware)	\$1,150
57.	Van Slyke Engineering Monster 3" focuser with Robofocus interface (no control box), original packing material S/N 000982 Dated 2005	\$1,050
58.	Van Slyke Engineering Monster 3" focuser with Robofocus, S/N 000894 Dated 2004	\$950
59.	Van Slyke Engineering MacroGlide 3" focuser with Robofocus interface (no control box), S/N 000895 Dated 2004	\$750
60.	Van Slyke Engineering eyepiece adaptor A312R	\$99
61.	Van Slyke Engineering eyepiece adaptor A312R	\$99
62.	Van Slyke Engineering eyepiece adaptor A312R	\$99
63.	3-inch motorized focuser with corrector and rounded base	\$400
64.	3-inch motorized focuser with corrector and rounded base	\$400
65.	JMI NGF-S 2-inch motorized focuser with control connection, new in box	\$225
66.	JMI NGF-S 2-inch motorized focuser with control connection, new in box	\$225
67.	JMI 2-inch motorized focuser	\$200
68.	JMI NGF-S 2-inch motorized focuser w/o control connection	\$150
69.	JMI NGF-S 2-inch motorized focuser with control connection and box	\$95
70.	JMI NGF-S 2-inch motorized focuser with control connection and box	\$95
71.	3" motorized focuser; disassembled	\$125
72.	JMI 2" focuser; motorized; NGF-DX1	\$45
73.	JMI Motofocus DRO hand unit	\$125
74.	JMI Motofocus pushbutton hand unit	\$50
75.	JMI Motofocus pushbutton hand unit	\$50
76.	JMI Motofocus pushbutton hand unit (metal, old style)	\$25

Winer Observatory Telescope Parts Sale

J. Spiders, Elliptical Mirror Holders, Instrument Rotators, Etc.

77.	Van Slyke Engineering CDR123 motorized Crayford cycloid instrument rotator (original \$2,900) S/N 000979 with Robofocus control box and cable set, original box	\$1,500
78.	Van Slyke Engineering CDR123 motorized Crayford cycloid instrument rotator (original \$2,900) S/N 000978 no RoboFocus control box	\$450
79.	Van Slyke Engineering CDR123 motorized Crayford cycloid instrument rotator (original \$2,900) S/N 000989 no RoboFocus control box	\$450
80.	Van Slyke Engineering elliptical secondary mirror assembly, no mirror; 6" minor axis	\$550
81.	Van Slyke Engineering elliptical secondary mirror assembly, no mirror; 4.5" minor axis	\$450
82.	Van Slyke Engineering elliptical secondary mirror assembly, no mirror; 4.5" minor axis	\$450
83.	Van Slyke Engineering elliptical secondary mirror assembly, no mirror; 4.5" minor axis	\$450
84.	Van Slyke Engineering elliptical secondary mirror assembly, no mirror; 4.5" minor axis	\$450
85.	Van Slyke Engineering secondary mirror adjustment tool	\$10
86.	Van Slyke Engineering 20.5" ID spider	\$225
87.	Van Slyke Engineering 20.5" ID spider	\$225
88.	Van Slyke Engineering 20.5" ID spider	\$225
89.	Van Slyke Engineering 20.5" ID spider	\$225
90.	Van Slyke Engineering 20.5" ID spider	\$225
91.	22" Novak-style spider	\$75
92.	15" Novak-style spider	\$50
93.	20" mirror cell for 22" ID tube, center hole support for 2" thick mirror	\$50
94.	20" mirror cell for 22" ID tube, center hole support for 2" thick mirror	\$50

Winer Observatory Telescope Parts Sale

K. Parallax Tube Rings and Mounting Plates

94A. Set of two Parallax rings for 22.4" OD tube [list \$419]	\$325
95. Set of two Parallax rings for 15.81" OD tube, brand new in original box, (Meade 10" Starfinder) [list \$319]	\$275
96. Set of two Parallax tube rings 15.7" I.D.	\$225
97. Set of two Parallax rings for 8.9" OD tube (C-8) [list \$200]	\$125
98. Set of two Parallax rings 114 mm OD tube (102 ED/APO, Takahashi FS102 and FSQ106, 4" Unitron) [list \$125]	\$75
99. Set of two Parallax rings 114 mm OD tube (102 ED/APO, Takahashi FS102 and FSQ106, 4" Unitron) [list \$125]	\$75
100. Set of two Parallax rings 114 mm OD tube (102 ED/APO, Takahashi FS102 and FSQ106, 4" Unitron) [list \$125]	\$75
101. Set of two Parallax rings 114 mm OD tube (102 ED/APO, Takahashi FS102 and FSQ106, 4" Unitron) [list \$125]	\$75
102. Set of two Parallax rings for 3" OD tube (TeleVue TV-85) [list \$105]	\$65
103. Set of two generic (NOT Parallax) tube rings 4.5" I.D.	\$50
104. Five Parallax mounting plates; black aluminum; 24" x 6"	\$250

L. Counterweights for Bisque and Paramount mounts

105. Box of two Software Bisque counterweights for Paramount ME mount	\$365
106. Box of two Software Bisque counterweights for Paramount ME mount	\$365
107. Box of two Software Bisque counterweights for Paramount ME mount	\$365
108. Box of two Software Bisque counterweights for Paramount ME mount	\$365
109. One Software Bisque counterweight for Paramount ME mount	\$175
110. Custom machined counterweight for Paramount ME mount	\$100
111. Set of five (5) custom counterweights for Paramount ME mount, rough machined	\$275
112. Counterweight shaft for a Software Bisque Paramount ME mount	\$50
113. Parallax Instruments mount counterweight, 55 lbs.	\$165
114. Parallax Instruments mount counterweight, 55 lbs.	\$165
115. Parallax Instruments mount counterweight, 55 lbs.	\$165
116. Parallax Instruments counterweight, 33 lbs.	\$115
117. Parallax Instruments counterweight, 33 lbs.	\$115
118. Small Parallax counterweight assembly, shaft and 3 weights	\$75

Winer Observatory Telescope Parts Sale

M. Eyepieces, Adaptors, and Accessories -- Make Us an Offer on These Items!

119. Meade Series 4000 Item 43945 Super Wide Angle 18mm 1.25" eyepiece	\$45
120. Meade MA25 mm 1.25" multi-coated eyepiece (used)	\$25
121. Celestron Ultima Series #93351 7.5mm 1.25" eyepiece	\$35
122. Celestron Ultima SV Series #93506 2X Barlow 1.25" multi-coated	\$55
123. Orion Plossl multi-coated 10mm 1.25" eyepiece	\$35
124. Meade Series 4000 Super Plossl 40mm 1.25" eyepiece	\$50
125. Meade Series 4000 Super Plossl 26mm 1.25" eyepiece	\$40
126. 1.25" mirror diagonal in original packing material	\$30
127. Spectrum I 1.25" mirror diagonal (used)	\$20
128. Meade 1.25" mirror diagonal (used)	\$20
129. Mirror diagonal, 1.25" diameter, with Meade/Celestron adaptor	\$35
130. Mirror diagonal, 1.25" diameter, with Meade/Celestron adaptor	\$35
131. Meade erecting prism	\$50
132. Orion Collimating Eyepiece	\$40
133. AstroSystems AstroBeam laser collimator	\$95
134. Meade Series 4000 Item 07049 f/6.3 focal reducer	\$95
135. TeleVue 2X 2-inch PowerMate Barlow lens	\$95
136. TeleVue Paracorr 2-inch coma corrector	\$125
137. Lumicon 2-inch coma corrector and field flattener	\$95
138. Tiffen 49 mm Red #25 filter	\$20
139. 1.25" variable polarizer	\$30
140. Meade 1.25" camera adaptor	\$20
141. Camera adaptor	\$10
142. Camera adaptor	\$10
143. Two miscellaneous camera and eyepiece adaptors	\$10
144. Photographic guider with prism for guide star	\$50
145. Assorted extension tubes and rings for photography (10 items in total)	\$95
146. Meade Tele extender, 5" long, T mount threads (male/female)	\$10

Winer Observatory Telescope Parts Sale

N. Miscellaneous Items

147.	Rigel Systems astronomy flash light, white and red LEDs		\$10
148.	Rigel Systems astronomy flash light, white and red LEDs		\$10
149.	Three Meade wheely bar bolts		\$10
150.	Telrad Zero power view finder, new in original case		\$25
150.	Group of seventeen (17) custom designed and machined black anodized aluminum focuser bosses 6" x 6" x ~ 3/4" thick for 3" focuser; dimensioned drawings available showing hole sizes and locations		\$1,450
	8 each flat spacer 0.75" thick @ \$100	800.00	
	2 each boss, radius = 7.922" (tube diameter 15.844") @ \$150	300.00	
	7 each boss, radius = 11.188" (tube diameter 22.376") @ \$150	1,050.00	
	Total Value	2,150.00	
151.	Meade telescope tripod carrying duffle bag, black, new in the box		\$25
152.	Meade Converter, 12 volt - 18 volt DC adapter		\$125
153.	RealSky Palomar Sky Survey on 9 CD-ROMs		\$115
154.	White 3-leg pier, 8" diameter, 35.5" high		\$325