


FLORIDA STATE UNIVERSITY

OBSERVATORY

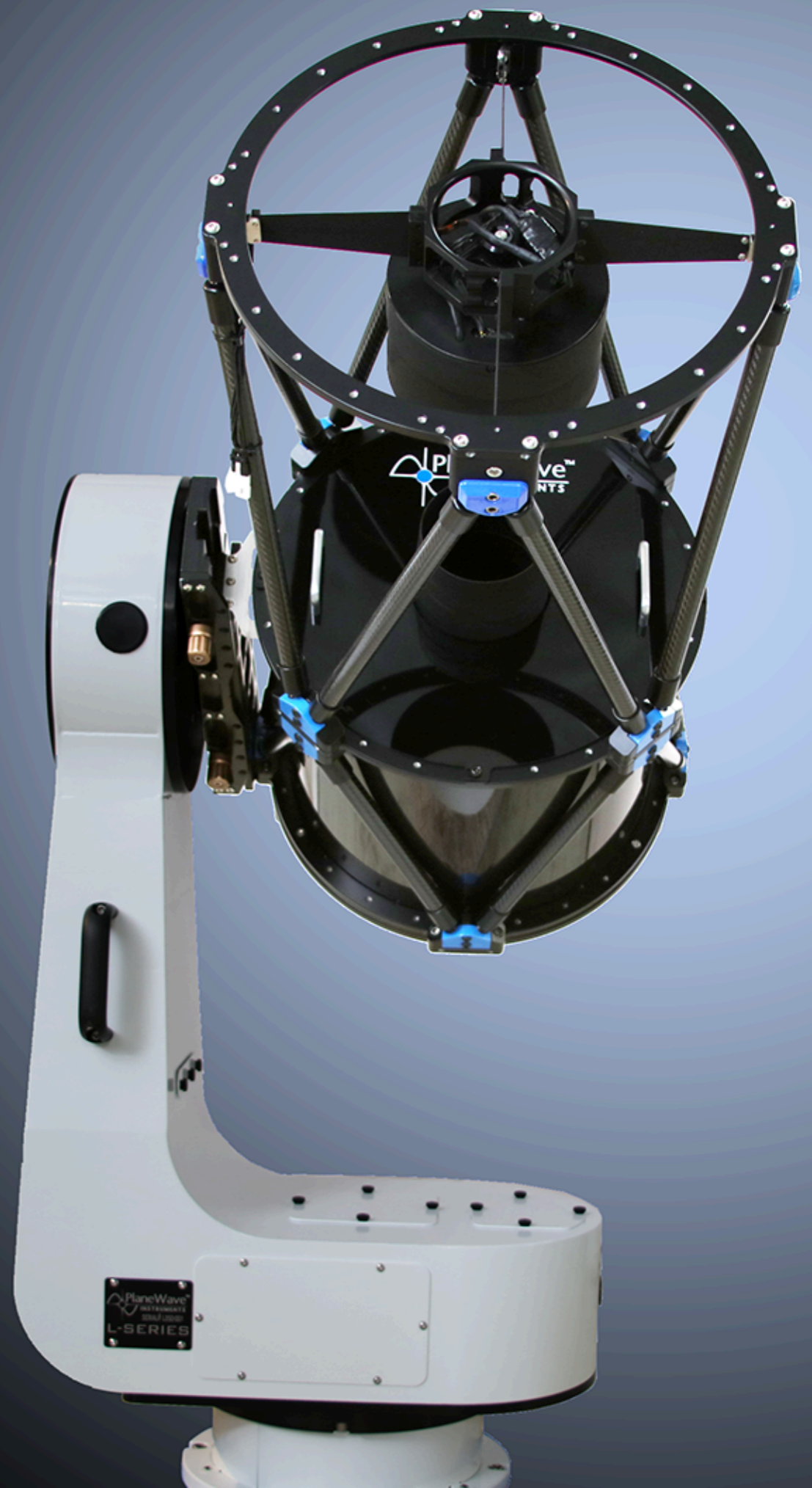


The background of the slide is a deep space image featuring a dense field of stars in various colors (white, blue, orange, red) against a black background. In the lower-left quadrant, there is a large, detailed view of a spiral galaxy with a bright yellowish-white core and several distinct spiral arms containing blue and purple stars.

FSU Academic Telescope
at the Stadium Observatory
(we obviously need help with the naming...)

PLANEWAVE CDK17

17-inch primary mirror
focal ratio f/6.8
alt/az direct drive mount
8 megapixel SBIG camera



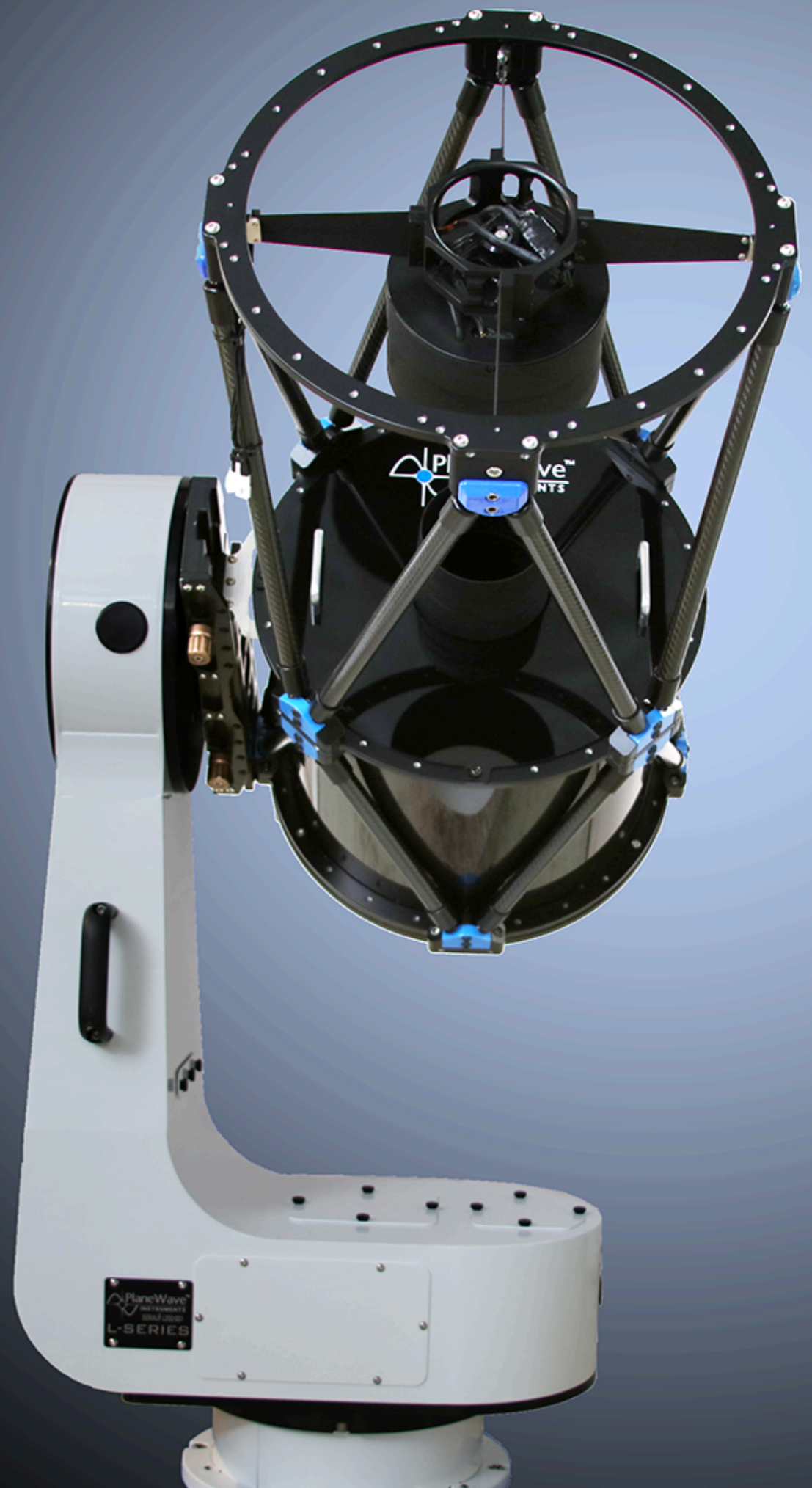
PLANEWAVE CDK17

17-inch primary mirror

focal ratio f/6.8

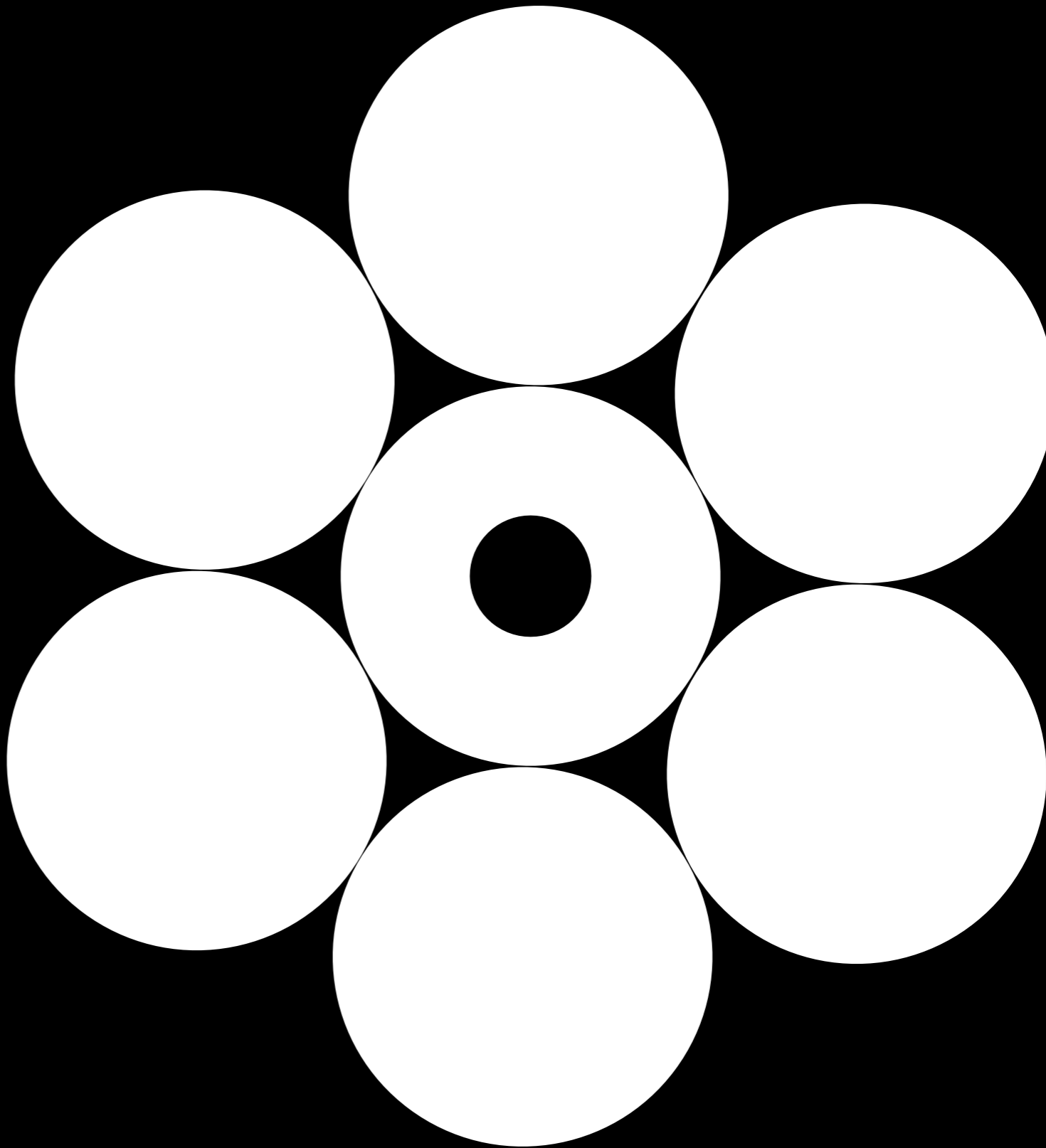
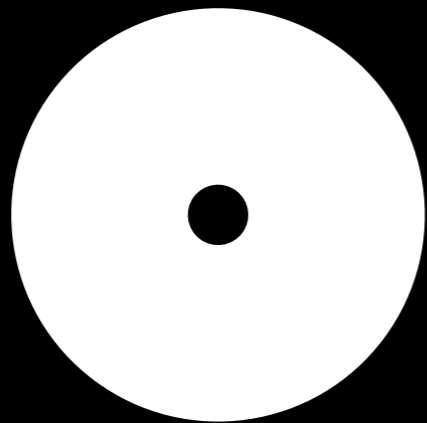
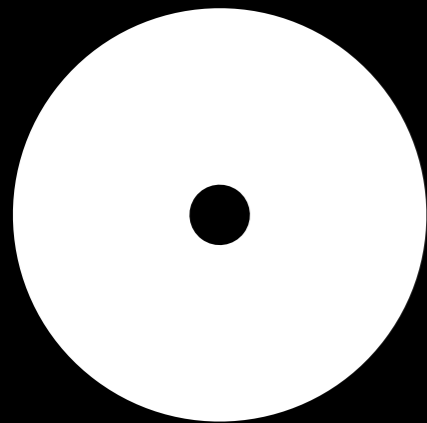
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8 megapixel SBIG camera





FSU



Magellan Telescopes

Las Campanas Observatory

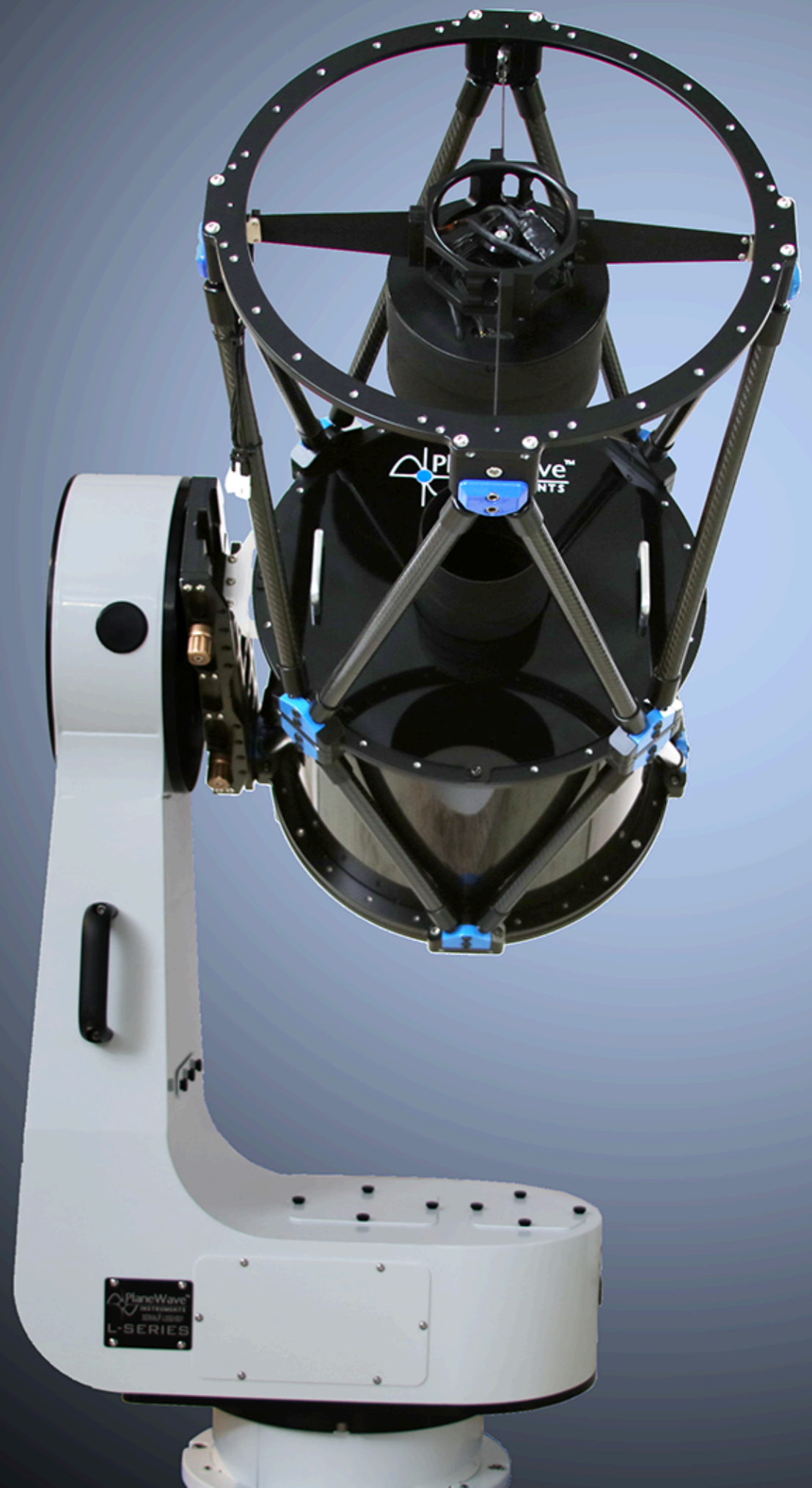
Giant Magellan Telescope

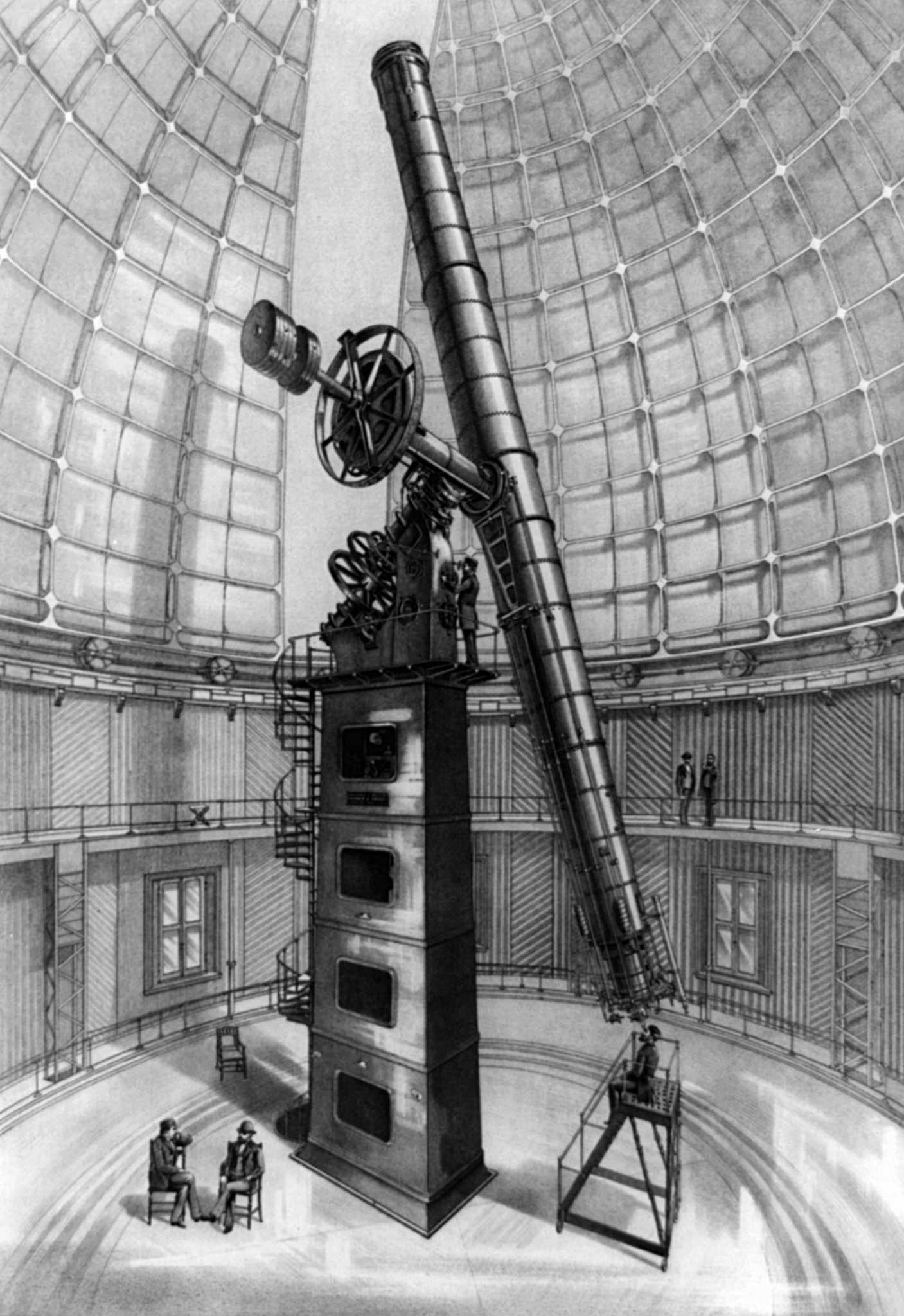
Las Campanas Observatory, mid-2020s

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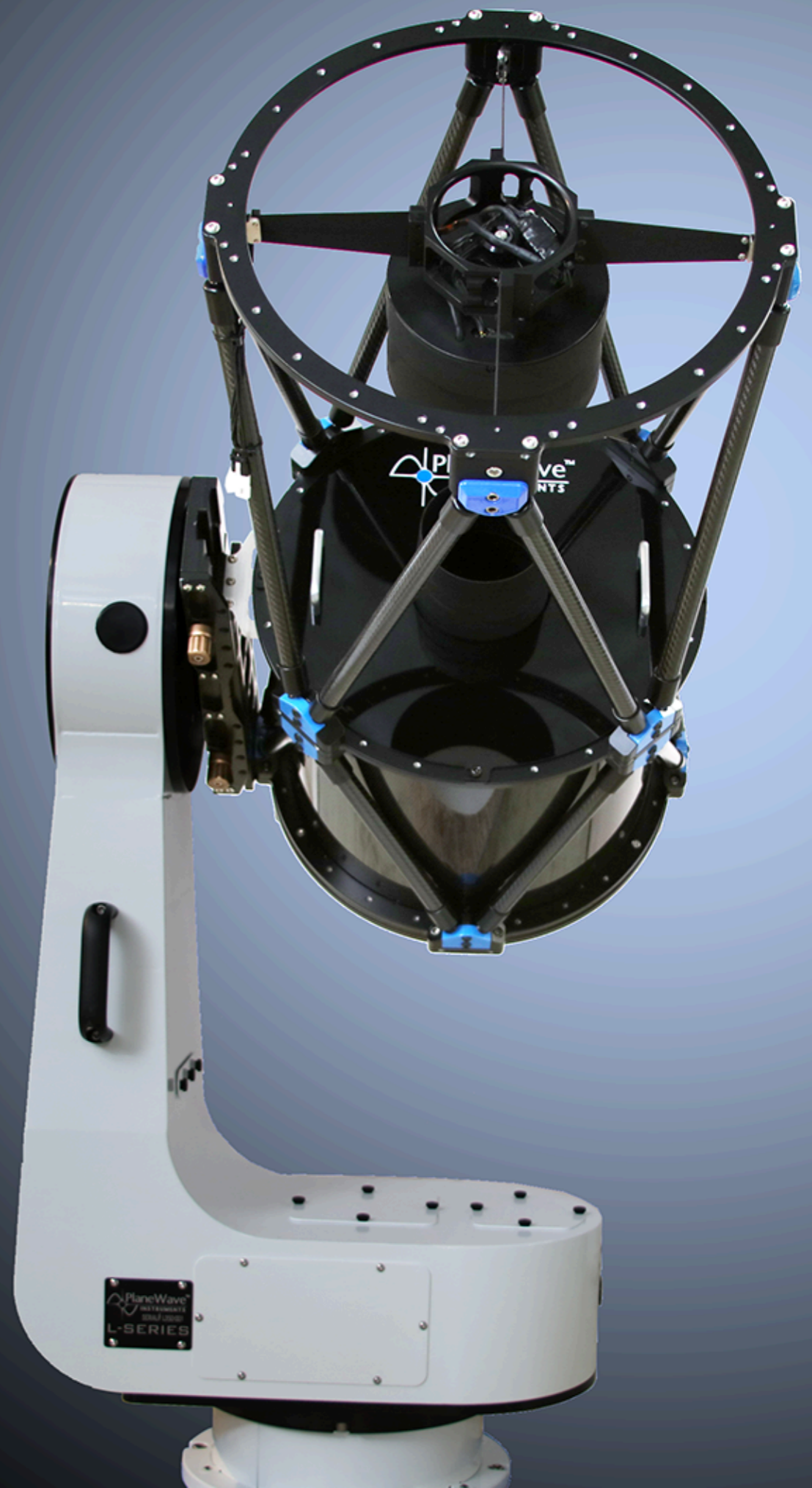
PLANEWAVE CDK17

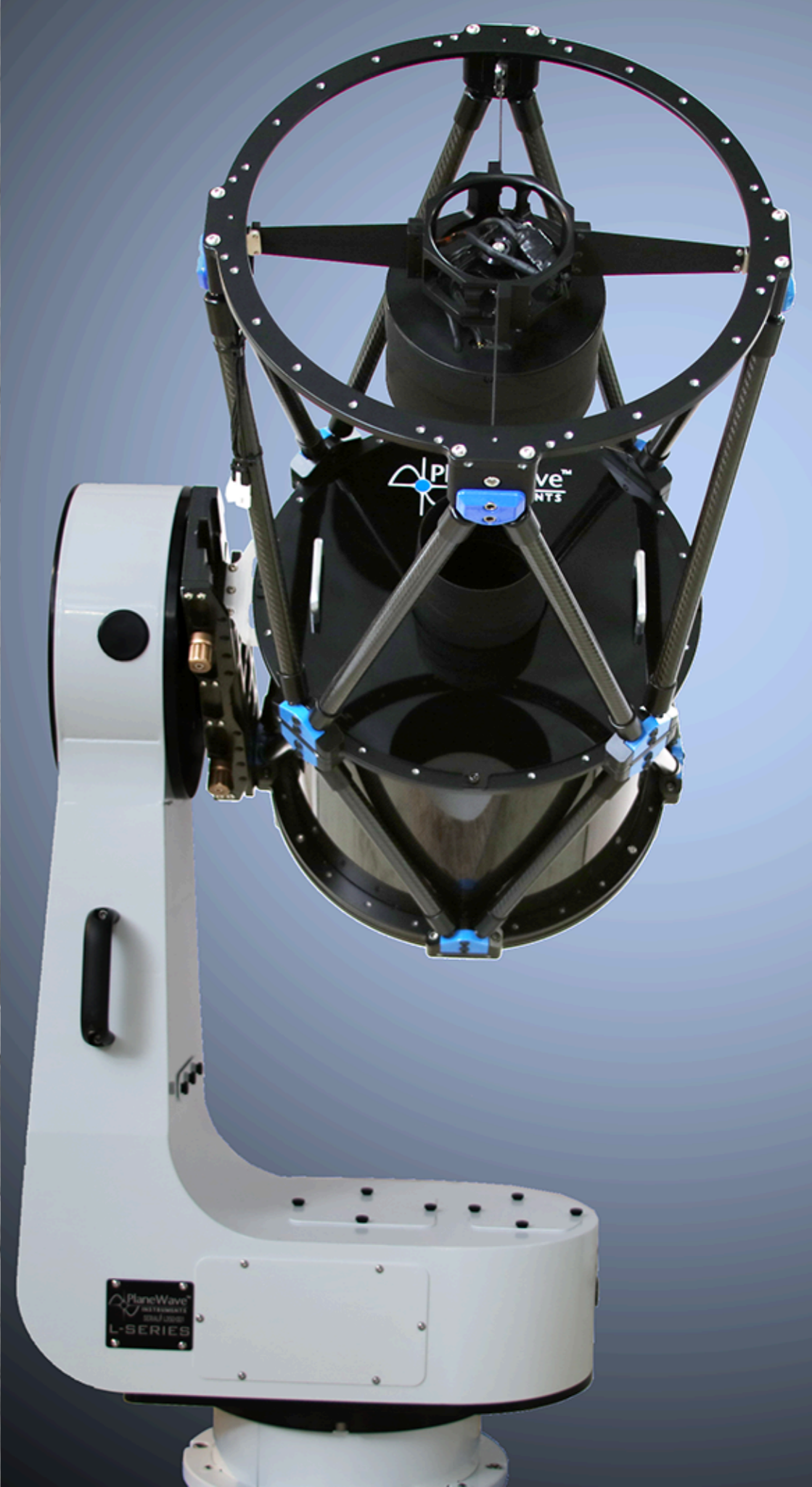
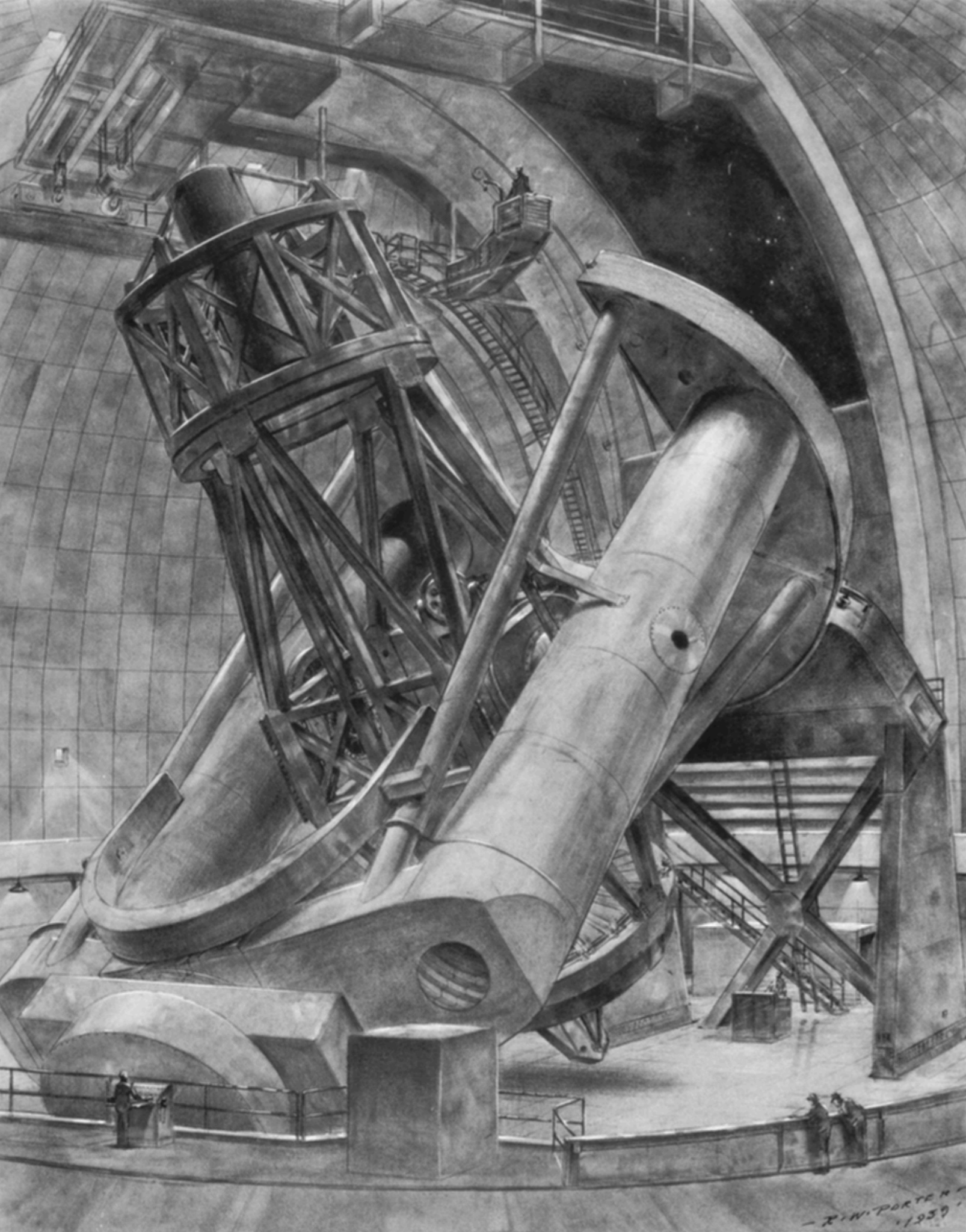
17-inch primary mirror

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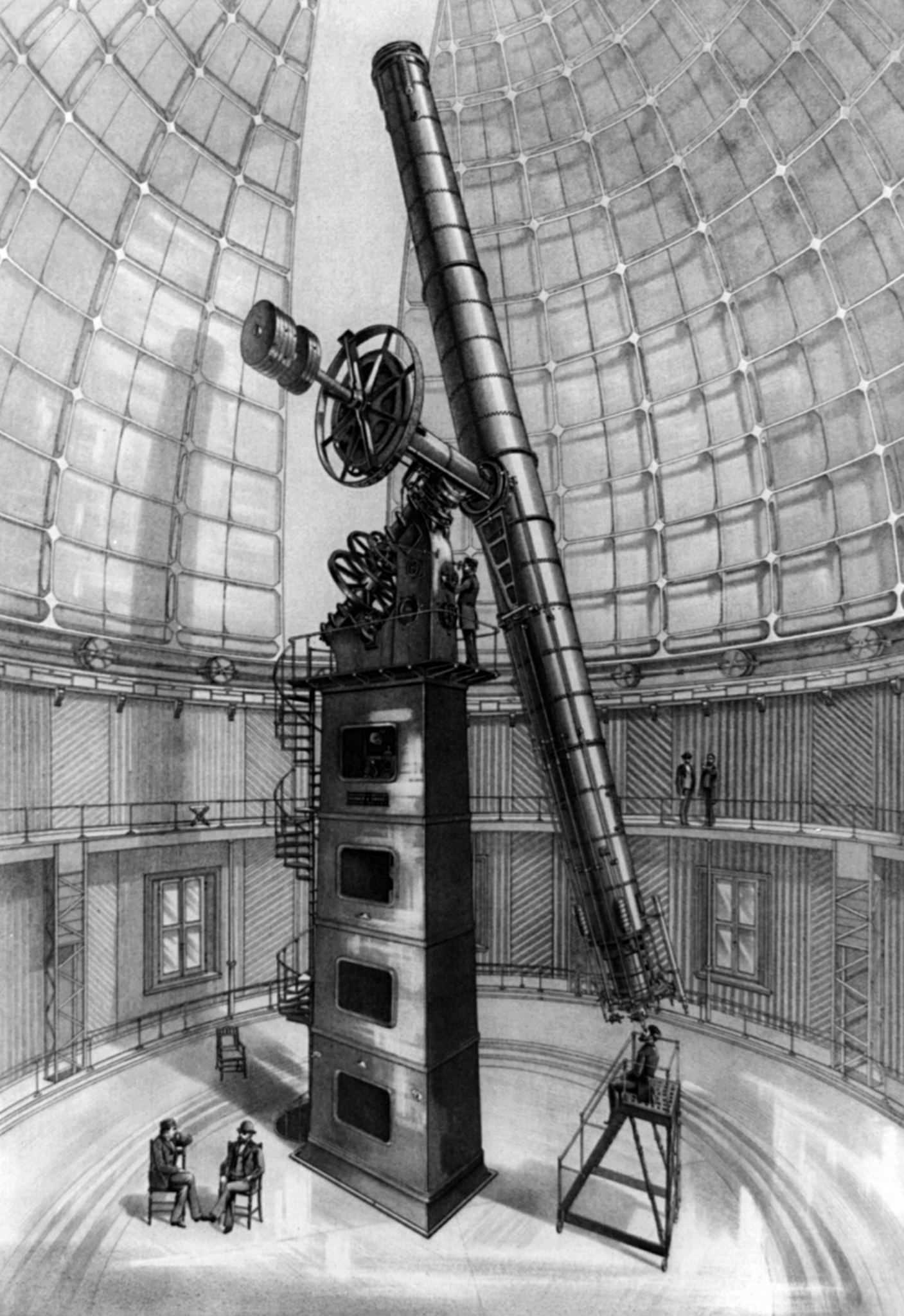




PLANEWAVE CDK17

17-inch primary mirror
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2015

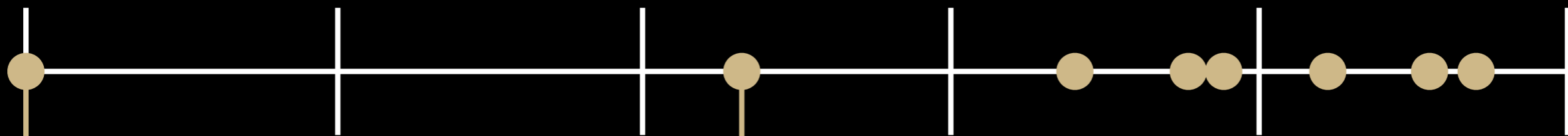
2016

2017

2018

2019

2020



First proposal for funding submitted

Funding secured from Student Technology Fee

APRIL, 2017

Funding Secured from Student Technology Fee

2017 Instructional Technology Enhancement Proposals Approved for Technology Fee Funding

Proposal #	Project Title / Description	College	Department	Funding Requested	Budget Remaining (Full Funding)	Funding Approved	Budget Remaining (Partial Funding)	# Students Targeted	Cost / Targeted Student	Score Based On Evaluators' Ratings
				Beginning Budget:	\$1,400,000.00	Beginning Budget:	\$1,400,000.00			
2017-03	Telescope for Astronomy Education	Arts & Sciences	Physics	\$80,197.00	\$1,319,803.00	\$80,197.00	\$1,319,803.00	1,800	\$45	16
2017-36	InNOEvation Center Student Business Incubator Color Printer	Jim Moran School of Entrepreneurship		\$1,000.00	\$1,318,803.00	\$1,000.00	\$1,318,803.00	300	\$3	15
2017-55	Enhance Immersive Project Visualization (Virtual Reality)	Fine Arts	Interior Design & Architecture	\$1,738.00	\$1,317,065.00	\$1,738.00	\$1,317,065.00	220	\$8	15
2017-49	Add Live Streaming and Video Recording to ACE Learning Studio	Undergraduate Studies		\$7,213.02	\$1,309,851.98	\$7,213.02	\$1,309,851.98	3,600	\$2	15
2017-14	Enhance SDRC Services Through Technology	Student Affairs	Student Disability Resource Center	\$29,080.00	\$1,280,771.98	\$14,340.00	\$1,295,511.98	2,578	\$11	15
2017-26	Book Scanners	University Libraries		\$40,019.35	\$1,240,752.63	\$16,007.00	\$1,279,504.98	41,400	\$1	15
2017-71	Update Majors Lab LOV025 Computers	Arts & Sciences	Computer Science	\$22,209.00	\$1,218,543.63	\$22,209.00	\$1,257,295.98	5,000	\$4	15
2017-27	Virtual Desktop Zero Clients	University Libraries		\$75,625.00	\$1,142,918.63	\$36,300.00	\$1,220,995.98	41,400	\$2	15
2017-35	Upgrade Lighting Fixtures from Halogen to LED	Music	Ruby Diamond Concert Hall	\$112,750.00	\$1,030,168.63	\$112,750.00	\$1,108,245.98	3,455	\$33	15
2017-04	Oscilloscopes for Lab Courses	Arts & Sciences	Physics	\$9,476.30	\$1,020,692.33	\$4,801.30	\$1,103,444.68	80	\$118	14
2017-58	Digital Humanities Course HUM 2020 Web App Development	Arts & Sciences	Humanities	\$5,770.00	\$1,014,922.33	\$5,770.00	\$1,097,674.68	1,000	\$6	14

2015

2016

2017

2018

2019

2020

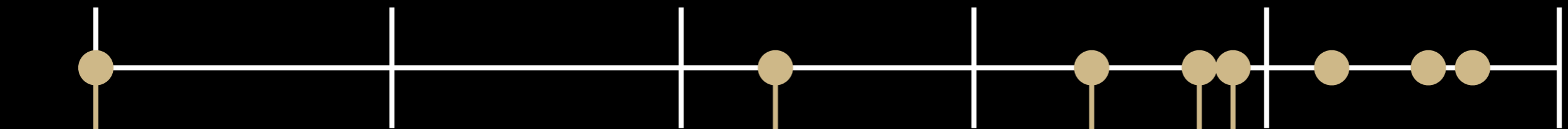
First proposal for funding submitted

Funding secured from Student Technology Fee

Site secured

Concrete pad/
pier installed

Dome installed



OCTOBER, 2018

Concrete pad and pier
installed.



NOVEMBER, 2018

Dome installation



2015

2016

2017

2018

2019

2020

First proposal for funding submitted

Funding secured from Student Technology Fee

Site secured

Concrete pad/
pier installed

Dome installed

Telescope installed

Imager installed

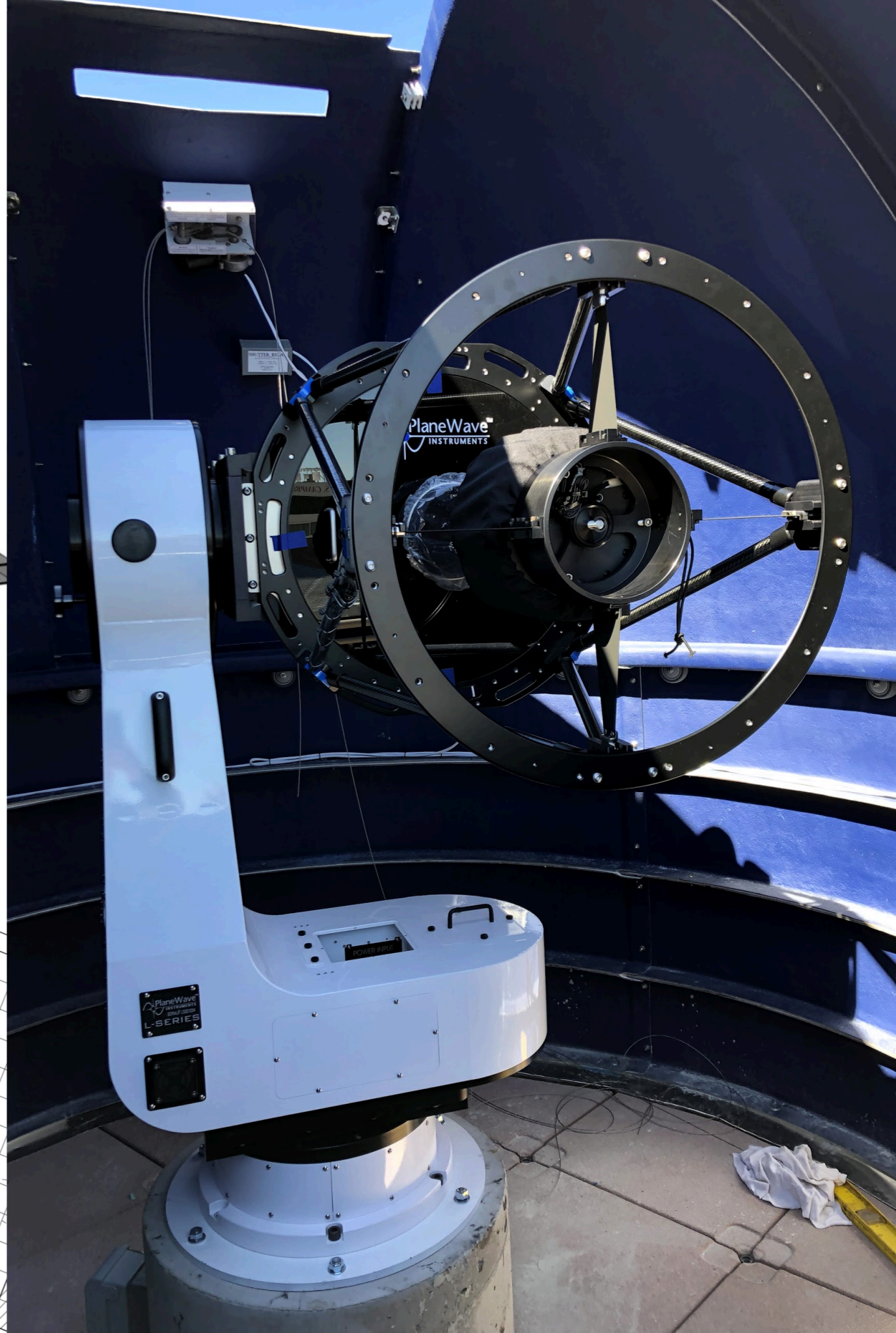
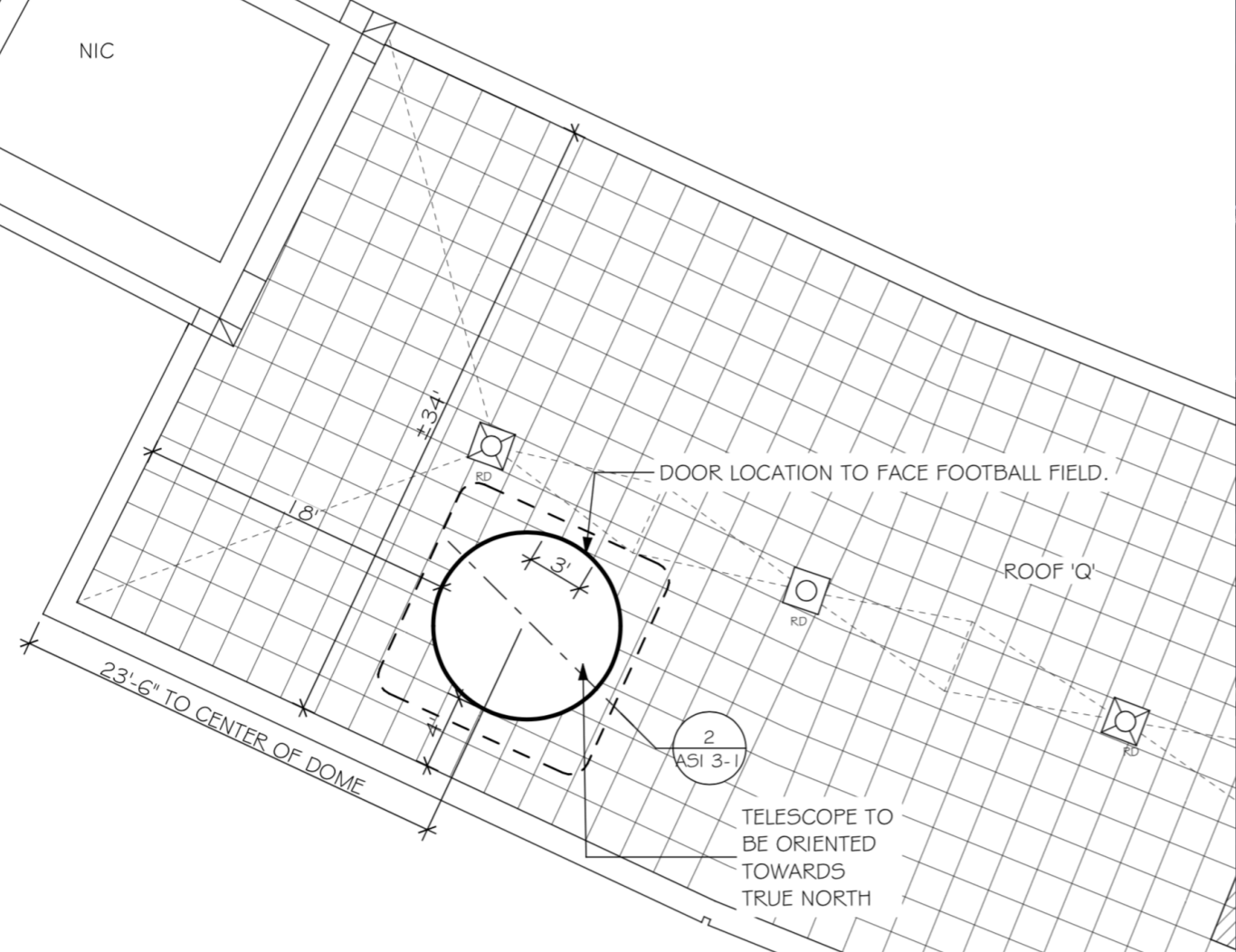
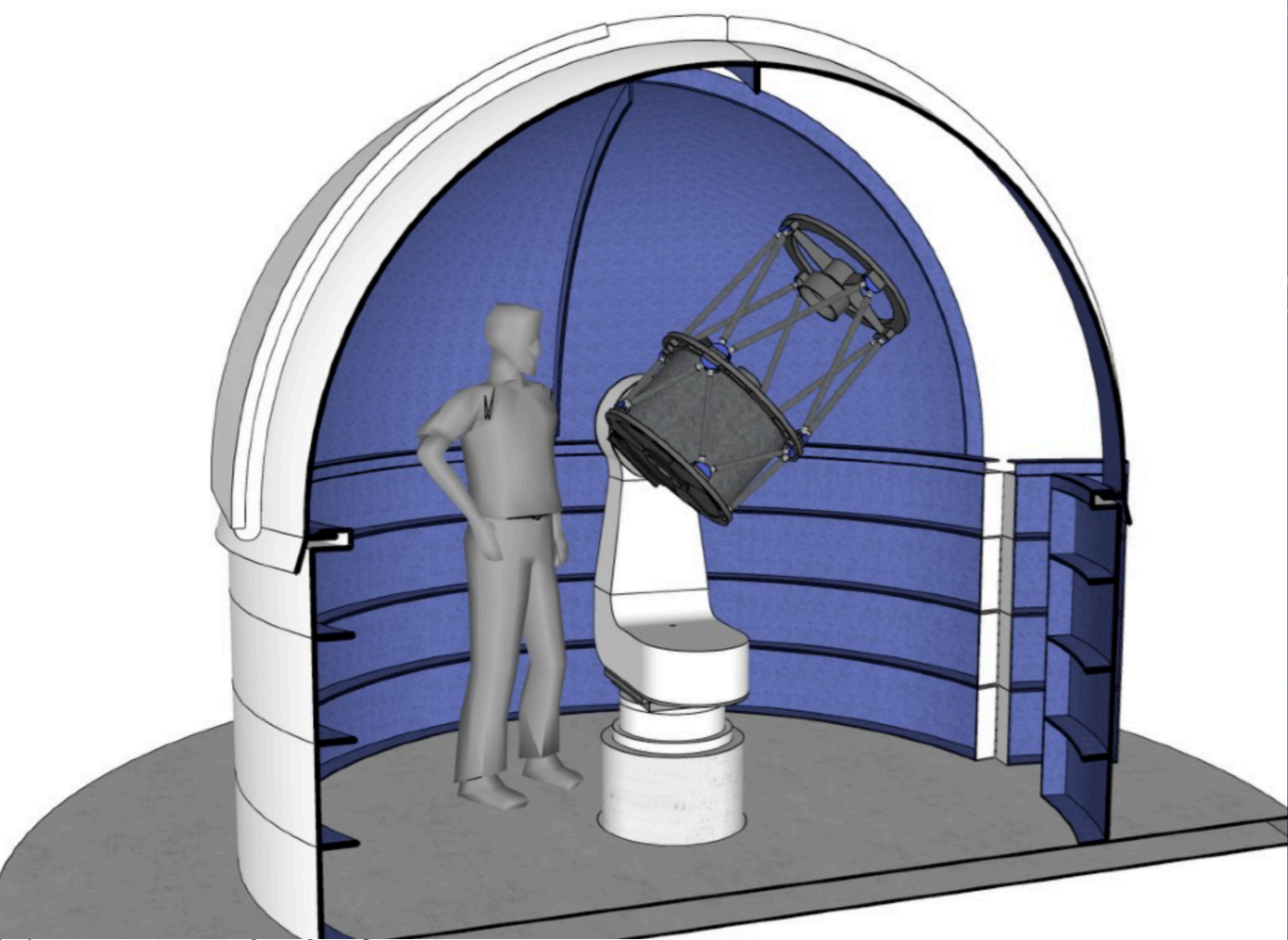


MARCH, 2019

Director Emeritus of
Las Campanas Observatory,
Mark Phillips, oversees
the installation.









2015

2016

2017

2018

2019

2020

First proposal for funding submitted

Funding secured from Student Technology Fee

Site secured

Concrete pad/
pier installed

Dome installed

Telescope installed

Imager installed

First student lab

AN OBSERVATORY FOR THE

STUDENTS OF FSU

- Hands-on experience for astrophysics major and grad curriculum.
- Also benefits 1500 non-physics students a year, who take our introductory astronomy classes.



AN OBSERVATORY FOR

OUTREACH

- We were awarded the President's Diversity & Inclusion Mini-Grant to start a unique Astronomy Club that promotes in-depth interactions between FSU students and students from underrepresented groups in our neighboring communities.





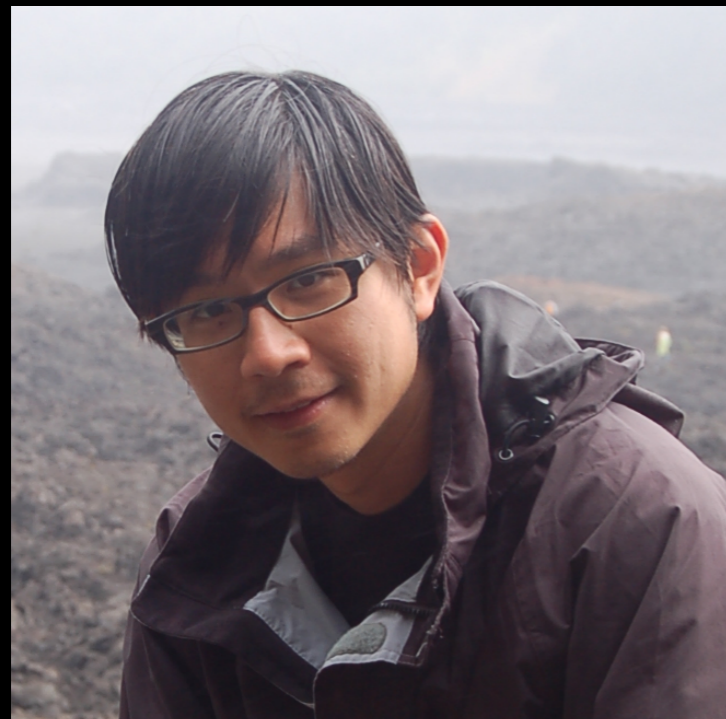
David Collins
Computational Magnetohydrodynamics
and Star Formation



Bill Green
Theoretical Cosmology
and Inflation Physics



Peter Hoeflich
Supernova Theory, Simulations
and Link to Observations



Eric Hsiao
Supernova Observations
and Cosmology



Kevin Huffenberger
Physical Cosmology and
Large Scale Structure



Jeremiah Murphy
Supernova Theory and
Observational Constraints



Chris
Ashall

Sahana
Kumar

Melissa
Shahbandeh

Scott
Davis

Jing
Lu

President John Thrasher
Vice-president Kyle Clark
Dean Sam Huckaba
Past Physics Chair Horst Wahl
Current Physics Chair Paul Eugenio

Students of FSU
Student Technology Fee Fund
Information Technology Services

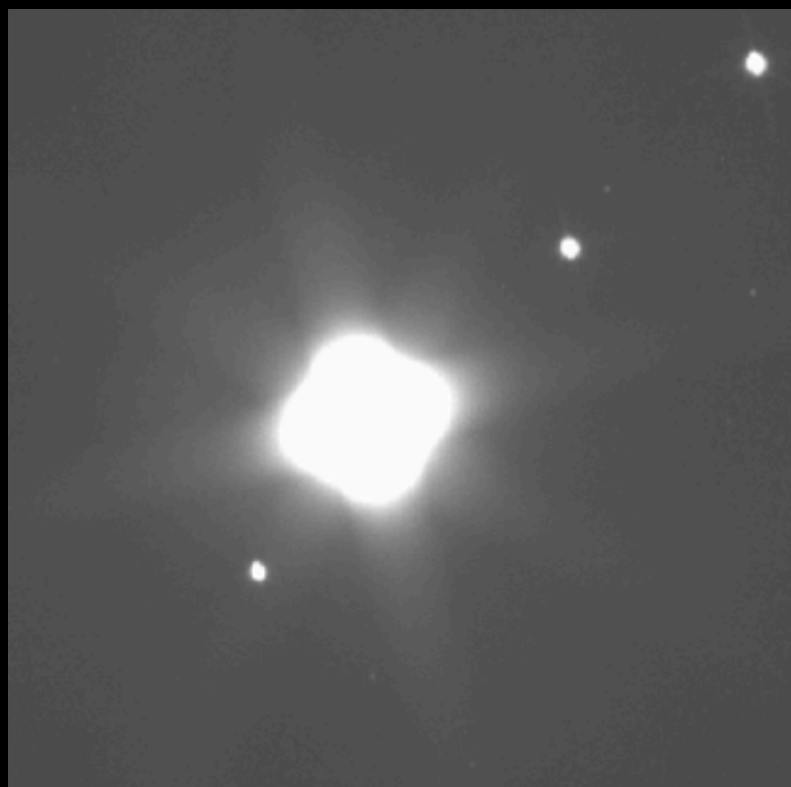
Brad Adams
Dennis Bailey
James Bird
Jerry Kutz
Tracy Marple
David Miller
Stuart Pierce
David Rubin

Childers Construction

Thank you for your support!



On behalf of the astrophysics group: David Collins, Bill Green,
Peter Hoeflich, Eric Hsiao, Kevin Huffenberger, Jeremiah Murphy,
Chris Ashall, Scott Davis, Sahana Kumar, Jing Lu, Melissa Shahbandeh



Jupiter



Saturn



Saturn Nebula



Flame Nebula



Iris Nebula



Veil Nebula

