

Form 990

Return of Organization Exempt From Income Tax

OMB No. 1545-0047

2023

Open to Public Inspection

Department of the Treasury Internal Revenue Service

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

Do not enter social security numbers on this form as it may be made public.

Go to www.irs.gov/Form990 for instructions and the latest information.

A For the 2023 calendar year, or tax year beginning 01-01-2023, and ending 12-31-2023

- B Check if applicable: Address change, Name change, Initial return, Final return/terminated, Amended return, Application pending

C Name of organization: LOWELL OBSERVATORY. Doing business as. Number and street (or P.O. box if mail is not delivered to street address): 1400 W MARS HILL ROAD. Room/suite. City or town, state or province, country, and ZIP or foreign postal code: FLAGSTAFF, AZ 860014470

D Employer identification number: 86-0098918. E Telephone number: (928) 774-3358. G Gross receipts \$ 29,125,514

F Name and address of principal officer: JEFF HALL, 1400 W MARS HILL ROAD, FLAGSTAFF, AZ 860014470

H(a) Is this a group return for subordinates? Yes No. H(b) Are all subordinates included? Yes No. H(c) Group exemption number

I Tax-exempt status: 501(c)(3) 501(c) ( ) (insert no.) 4947(a)(1) or 527

J Website: WWW.LOWELL.EDU

K Form of organization: Corporation Trust Association Other

L Year of formation: 1946 M State of legal domicile: AZ

Part I Summary

Table with 4 main sections: Activities & Governance, Revenue, Expenses, and Net Assets or Fund Balances. Each section contains numbered rows with descriptions and corresponding values for Prior Year and Current Year.

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here: Signature of officer ANNE LABRUZZO CFO, Date 2024-08-16. Preparer's signature, Date 2024-08-16, Firm's name BEACHFLEISCHMAN PLLC, Firm's EIN 86-0683059.

Use Only

Firm's address 1985 E RIVER ROAD SUITE 201 TUCSON, AZ 85718	Phone no. (520) 321-4600
--	--------------------------

May the IRS discuss this return with the preparer shown above? See Instructions.  Yes  No  
**For Paperwork Reduction Act Notice, see the separate instructions.** Cat. No. 11282Y Form **990** (2023)

Form 990 (2023) Page 2

Part III Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III

1 Briefly describe the organization's mission:

LOWELL'S MISSION IS TO PURSUE THE STUDY OF ASTRONOMY, CONDUCT RESEARCH, AND BRING ASTRONOMICAL EDUCATION TO THE PUBLIC.

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ?  Yes  No

If "Yes," describe these new services on Schedule O.

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services?  Yes  No

If "Yes," describe these changes on Schedule O.

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.

4a (Code: ) (Expenses \$ 10,768,901 including grants of \$ 434,519 ) (Revenue \$ 2,889,706 )

CONTINUING A 130-YEAR-LONG LEGACY OF ASTRONOMICAL DISCOVERY, LOWELL OBSERVATORY ASTRONOMERS, PLANETARY SCIENTISTS, AND OTHER RESEARCHERS CONDUCTED FOREFRONT RESEARCH IN MANY AREAS OF ASTRONOMY FROM THE SUN AND OUR SOLAR SYSTEM TO EXOPLANETS, STARS, GALAXIES, AND COSMOLOGY. IN 2023, LOWELL SCIENTISTS PUBLISHED 121 PEER-REVIEWED PAPERS IN LEADING SCIENTIFIC JOURNALS, ALONG WITH ANOTHER 70 PAPERS IN OTHER VENUES. LOWELL SCIENTISTS ALSO GAVE NUMEROUS PRESENTATIONS AT SCIENTIFIC CONFERENCES AND PUBLIC OUTREACH EVENTS, AND PARTICIPATED IN MAJOR SCIENTIFIC MISSIONS USING WORLD-LEADING TELESCOPES ACROSS THE GLOBE AND IN SPACE. LOWELL SCIENTIFIC STAFF CONTINUE TO BE VERY SUCCESSFUL AT OBTAINING GRANTS IN SUPPORT OF THEIR RESEARCH FROM NASA, THE NATIONAL SCIENCE FOUNDATION, AND OTHER AGENCIES. THE 4.3-METER LOWELL DISCOVERY TELESCOPE (LDT) DELIVERED APPROXIMATELY 280 SCIENCE NIGHTS USED BY ASTRONOMERS ON THE STAFF AT LOWELL, AND OUR PARTNER INSTITUTIONS: BOSTON UNIVERSITY, NORTHERN ARIZONA UNIVERSITY, THE UNIVERSITY OF MARYLAND, THE UNIVERSITY OF TOLEDO, AND YALE UNIVERSITY. IN TOTAL, THE LDT FEATURED PROMINENTLY IN MORE THAN 50 SCIENTIFIC OR TECHNICAL PUBLICATIONS. THE LDT'S GROWING SUITE OF STATE-OF-THE-ART INSTRUMENTS, SUCH AS THE HIGH-PRECISION SPECTROGRAPH EXPRES, ENABLE CUTTING EDGE RESEARCH ACROSS MULTIPLE FIELDS, INCLUDING THE SEARCH FOR EXOPLANETS. LOWELL OBSERVATORY ALSO CONTINUED TO OPERATE OTHER SMALLER RESEARCH TELESCOPES AT ITS ANDERSON MESA AND MARS HILL SITES; AT THE MESA THEY INSTALLED AND ARE COMMISSIONING A MODERN 1-METER TELESCOPE. ACCESS TO LOCAL TELESCOPES EQUIPPED WITH WORLD-CLASS INSTRUMENTS HAS ENABLED SCIENCE THAT COULD NOT BE DONE ELSEWHERE. PLANNING IS UNDERWAY ON A LONG TERM SCIENCE AND TECHNOLOGY VISION, INCLUDING A NEW TECHNICAL SERVICES BUILDING THAT WILL GREATLY INCREASE THE INSTRUMENTATION AND ENGINEERING CAPABILITIES OF ITS TECHNICAL STAFF. LOWELL OBSERVATORY ALSO ENGAGED IN A STRONG PROGRAM OF RESEARCH AND DEVELOPMENT AIMED AT NEW TECHNOLOGIES TO BENEFIT ITS OBSERVING FACILITIES AND THE LARGER ASTRONOMICAL COMMUNITY.

4b (Code: ) (Expenses \$ 3,934,867 including grants of \$ ) (Revenue \$ 2,621,839 )

LOWELL OBSERVATORY'S PUBLIC PROGRAMS OPERATED THROUGHOUT 2023 IN MUCH THE WAY THEY DID PRIOR TO THE PANDEMIC. GENERAL ADMISSION OFFERINGS FOR OVER 80,000 VISITORS INCLUDED REGULARLY SCHEDULED DAYTIME GUIDED TOURS OF THE MARS HILL CAMPUS, AND NIGHTTIME DARK SKY TOURS. STAFF HOSTED OPEN HOUSES OF THE HISTORIC CLARK AND PLUTO TELESCOPES, AND PROVIDED REGULARLY SCHEDULED TALKS, DESCRIBING THE HISTORY AND IMPORTANCE OF THE DISCOVERY OF PLUTO, CURRENT ASTRONOMICAL RESEARCH, THE LIFE CYCLE OF STARS AND OUTDOOR CONSTELLATION TALKS. SPECIAL TOURS AND PROGRAMS PROVIDED SMALL GROUP ACCESS TO THE 24INCH DYER TELESCOPE AND INSTRUCTION IN ASTROPHOTOGRAPHY. PROGRAMS FOCUSED ON CHILDREN ALSO GREW IN 2023. OVER 5,500 SCHOOL CHILDREN VISITED LOWELL AS PART OF SCHOOL FIELD TRIPS. THE LOWELL OBSERVATORY CAMPS FOR KIDS PROGRAMS CONTINUED A DECADE-LONG GROWTH TREND IN THE SUMMER AND SERVED MORE THAN 250 CHILDREN, WITH A WAITING LIST OF OVER 200. THE NATIVE AMERICAN ASTRONOMY OUTREACH PROGRAM TEAM CONDUCTED CLASSROOM VISITS THROUGHOUT THE SCHOOL YEAR AND HOSTED SUMMER AND WINTER CAMPS FOR STUDENTS. LOWELL EDUCATORS CONTINUED TO SUPPORT STEM OUTREACH ACTIVITIES THROUGH THE FLAGSTAFF FAMILY FOOD CENTER (FFFC). THE OBSERVATORY ALSO PARTICIPATED IN LOCAL OUTREACH EVENTS, INCLUDING THE FLAGSTAFF STAR PARTY AND SCIENCE IN THE PARK. WORKING IN COLLABORATION WITH THE MARKETING AND COMMUNICATIONS DEPARTMENT, THE OUTREACH TEAM CONTINUED TO PROVIDE ON-LINE EDUCATIONAL PROGRAMMING. REGULAR OFFERINGS INCLUDED "STAR STUFF" PODCASTS, "INTERACTIVE STARGAZING", AND "MARS HILL ALMANAC." SPECIAL PROGRAMMING IN 2023 INCLUDED THE ANNUAL I HEART PLUTO FESTIVAL (IN HYBRID FORM), THE OCTOBER ANNULAR SOLAR ECLIPSE AND LIVESTREAMS HIGHLIGHTING LUNAR ECLIPSES, METEOR SHOWERS, AND NATIONAL ASTRONOMY DAY. PRIVATE EVENTS AND FACILITY RENTALS WERE HOSTED AT LOWELL, AND THE EVENTS TEAM PULLED OFF SEVERAL SUCCESSFUL EVENTS BOTH ON AND OFF-CAMPUS. AFTER THREE YEARS OF CONSTRUCTION AND RAISING \$53.6 MILLION DOLLARS FOR THE NEW BUILDING, LOWELL OBSERVATORY EXPECTS TO CELEBRATE THE GRAND OPENING OF THE MARLEY FOUNDATION ASTRONOMY DISCOVERY CENTER (ADC) IN NOVEMBER 2024. THE ADC WILL BE A PLACE TO SPARK CURIOSITY AND DISCOVERY FOR VISITORS FROM AROUND THE GLOBE. THE THREE-STORY, 40,200-SQUARE-FOOT ADC WILL FEATURE A STATE-OF-THE-ART THEATER, EXHIBIT GALLERIES, AND A ROOFTOP AMPHITHEATER FOR EXPLORING FLAGSTAFF'S FAMOUSLY DARK SKIES. THE ENTIRETY OF THE COST OF THE FACILITY WAS FUNDED BY PHILANTHROPIC DONATIONS AND STATE-FUNDED GRANTS A TESTAMENT TO THE INCREDIBLE SUPPORT FROM OUR COMMUNITIES AND A SHOW OF HOW MUCH SUCH A SCIENCE CENTER IS NEEDED IN NORTHERN ARIZONA. IN PREPARATION FOR THE ADC, TEAMS ACROSS THE OBSERVATORY HAVE COME TOGETHER TO PLAN EVERYTHING FROM PROGRAMMING, EXHIBIT DESIGN, INTERPRETIVE SIGNAGE NEEDS, BRANDING, AND GUEST TRAFFIC FLOW.

4c (Code: ) (Expenses \$ including grants of \$ ) (Revenue \$ )

[Empty lines for description of program service]

4d Other program services (Describe in Schedule O.) (Expenses \$ including grants of \$ ) (Revenue \$ )

4e Total program service expenses 14,703,768

Part IV Checklist of Required Schedules

Table with 3 columns: Question ID, Question Text, Yes, No. Contains 21 numbered questions regarding organizational requirements and reporting.

Part IV Checklist of Required Schedules (continued)

	Yes	No
<b>22</b> Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i> . . . . .		No
<b>23</b> Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5, about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i> . . . . .	Yes	
<b>24a</b> Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i> . . . . .		No
<b>b</b> Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception? . . . . .		
<b>c</b> Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds? . . . . .		
<b>d</b> Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year? . . . . .		
<b>25a Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations.</b> Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</i> . . . . .		No
<b>b</b> Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i> . . . . .		No
<b>26</b> Did the organization report any amount on Part X, line 5 or 22 for receivables from or payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part II</i> . . . . .		No
<b>27</b> Did the organization provide a grant or other assistance to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or employee thereof, a grant selection committee member, or to a 35% controlled entity (including an employee thereof) or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i> . . . . .		No
<b>28</b> Was the organization a party to a business transaction with one of the following parties (see the Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
<b>a</b> A current or former officer, director, trustee, key employee, creator or founder, or substantial contributor? <i>If "Yes," complete Schedule L, Part IV</i> . . . . .		No
<b>b</b> A family member of any individual described in line 28a? <i>If "Yes," complete Schedule L, Part IV</i> . . . . .		No
<b>c</b> A 35% controlled entity of one or more individuals and/or organizations described in line 28a or 28b? <i>If "Yes," complete Schedule L, Part IV</i> . . . . .		No
<b>29</b> Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i> . . . . .	Yes	
<b>30</b> Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i> . . . . .		No
<b>31</b> Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i> . . . . .		No
<b>32</b> Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i> . . . . .		No
<b>33</b> Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i> . . . . .		No
<b>34</b> Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i> . . . . .	Yes	
<b>35a</b> Did the organization have a controlled entity within the meaning of section 512(b)(13)?	Yes	
<b>b</b> If 'Yes' to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i> . . . . .		No
<b>36 Section 501(c)(3) organizations.</b> Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i> . . . . .		No
<b>37</b> Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i> . . . . .		No
<b>38</b> Did the organization complete Schedule O and provide explanations on Schedule O for Part VI, lines 11b and 19? <b>Note.</b> All Form 990 filers are required to complete Schedule O. . . . .	Yes	

Part V **Statements Regarding Other IRS Filings and Tax Compliance**

Check if Schedule O contains a response or note to any line in this Part V

	Yes	No
<b>1a</b> Enter the number reported in box 3 of Form 1096. Enter -0- if not applicable . . . . .		
<b>b</b> Enter the number of Forms W-2G included on line 1a. Enter -0- if not applicable . . . . .		
<b>c</b> Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners? . . . . .	Yes	

Form 990 (2023)

Part V **Statements Regarding Other IRS Filings and Tax Compliance (continued)**

<b>2a</b> Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return . . . . .		195		
<b>b</b> If at least one is reported on line 2a, did the organization file all required federal employment tax returns?	<b>2b</b>	Yes		
<b>3a</b> Did the organization have unrelated business gross income of \$1,000 or more during the year? . . . . .	<b>3a</b>			No

<b>b</b> If "Yes," has it filed a Form 990-T for this year? <i>If "No" to line 3b, provide an explanation in Schedule O . . . . .</i>	<b>3b</b>		
<b>4a</b> At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)? . . . . .	<b>4a</b>		No
<b>b</b> If "Yes," enter the name of the foreign country: _____ See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).			
<b>5a</b> Was the organization a party to a prohibited tax shelter transaction at any time during the tax year? . . . . .	<b>5a</b>		No
<b>b</b> Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?	<b>5b</b>		No
<b>c</b> If "Yes," to line 5a or 5b, did the organization file Form 8886-T? . . . . .	<b>5c</b>		
<b>6a</b> Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions? . . . . .	<b>6a</b>		No
<b>b</b> If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible? . . . . .	<b>6b</b>		
<b>7 Organizations that may receive deductible contributions under section 170(c).</b>			
<b>a</b> Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor? . . . . .	<b>7a</b>	Yes	
<b>b</b> If "Yes," did the organization notify the donor of the value of the goods or services provided? . . . . .	<b>7b</b>	Yes	
<b>c</b> Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282? . . . . .	<b>7c</b>		No
<b>d</b> If "Yes," indicate the number of Forms 8282 filed during the year . . . . .	<b>7d</b>		
<b>e</b> Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?	<b>7e</b>		No
<b>f</b> Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? . . . . .	<b>7f</b>		No
<b>g</b> If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required? . . . . .	<b>7g</b>		
<b>h</b> If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C? . . . . .	<b>7h</b>		
<b>8 Sponsoring organizations maintaining donor advised funds.</b> Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year? . . . . .	<b>8</b>		
<b>9 Sponsoring organizations maintaining donor advised funds.</b>			
<b>a</b> Did the sponsoring organization make any taxable distributions under section 4966? . . . . .	<b>9a</b>		
<b>b</b> Did the sponsoring organization make a distribution to a donor, donor advisor, or related person? . . . . .	<b>9b</b>		
<b>10 Section 501(c)(7) organizations.</b> Enter:			
<b>a</b> Initiation fees and capital contributions included on Part VIII, line 12 . . . . .	<b>10a</b>		
<b>b</b> Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	<b>10b</b>		
<b>11 Section 501(c)(12) organizations.</b> Enter:			
<b>a</b> Gross income from members or shareholders . . . . .	<b>11a</b>		
<b>b</b> Gross income from other sources. (Do not net amounts due or paid to other sources against amounts due or received from them.) . . . . .	<b>11b</b>		
<b>12a Section 4947(a)(1) non-exempt charitable trusts.</b> Is the organization filing Form 990 in lieu of Form 1041?	<b>12a</b>		
<b>b</b> If "Yes," enter the amount of tax-exempt interest received or accrued during the year.	<b>12b</b>		
<b>13 Section 501(c)(29) qualified nonprofit health insurance issuers.</b>			
<b>a</b> Is the organization licensed to issue qualified health plans in more than one state? . . . . . <b>Note.</b> See the instructions for additional information the organization must report on Schedule O.	<b>13a</b>		
<b>b</b> Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans . . . . .	<b>13b</b>		
<b>c</b> Enter the amount of reserves on hand . . . . .	<b>13c</b>		
<b>14a</b> Did the organization receive any payments for indoor tanning services during the tax year? . . . . .	<b>14a</b>		No
<b>b</b> If "Yes," has it filed a Form 720 to report these payments? <i>If "No," provide an explanation in Schedule O . . . . .</i>	<b>14b</b>		
<b>15</b> Is the organization subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year? . . . . . If "Yes," see the instructions and file Form 4720, Schedule N.	<b>15</b>		No
<b>16</b> Is the organization an educational institution subject to the section 4968 excise tax on net investment income? . . . . . If "Yes," complete Form 4720, Schedule O.	<b>16</b>		No
<b>17 Section 501(c)(21) organizations.</b> Did the trust, or any disqualified or other person engage in any activities that would result in the imposition of an excise tax under section 4951, 4952, or 4953? . . . . . If "Yes," complete Form 6069.	<b>17</b>		

Form 990 (2023)

**Part VI Governance, Management, and Disclosure.** For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.  
Check if Schedule O contains a response or note to any line in this Part VI

**Section A. Governing Body and Management**

	Yes	No
<b>1a</b> Enter the number of voting members of the governing body at the end of the tax year . . . . .		

If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.

b Enter the number of voting members included in line 1a, above, who are independent

Table with 3 columns: Question ID, Yes, No. Rows include 1b (0), 2, 3, 4, 5, 6, 7a, 7b, 8a, 8b, 9.

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

Table with 3 columns: Question ID, Yes, No. Rows include 10a, 10b, 11a, 11b, 12a, 12b, 12c, 13, 14, 15a, 15b, 16a, 16b.

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed
18 Section 6104 requires an organization to make its Form 1023 (1024 or 1024-A, if applicable), 990, and 990-T (section 501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.
20 State the name, address, and telephone number of the person who possesses the organization's books and records:

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's current officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
List all of the organization's current key employees, if any. See the instructions for definition of "key employee."
List the organization's five current highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (box 5 of Form W-2, box 6 of Form 1099-MISC, and/or box 1 of Form 1099-NEC) of more than \$100,000 from the organization and any related organizations.

● List all of the organization's **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.

● List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

See the instructions for the order in which to list the persons above.

Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC/1099-NEC)	(E) Reportable compensation from related organizations (W-2/1099-MISC/1099-NEC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(1) PUTNAM W LOWELL TRUSTEE	30.00 4.00	X		X				6	0	25,357
(2) HALL JEFFREY EXECUTIVE DIRECTOR	40.00			X				200,833	0	37,311
(3) LABRUZZO ANNE CHIEF FINANCIAL OFFICER	36.00 4.00			X				162,474	0	30,844
(4) KELLER CHRISTOPH DIRECTOR OF SCIENCE	40.00				X			169,086	0	41,501
(5) ACTOR ANN CHIEF PHILANTHROPY OFFICER	38.00 2.00				X			172,107	0	21,549
(6) LEVINE STEPHEN DIRECTOR OF EDUCATION	40.00				X			169,245	0	22,216
(7) BOSH AMANDA CHIEF OPERATIONS OFFICER	40.00				X			161,680	0	30,244
(8) KUEHN KYLER DIRECTOR OF TECHNOLOGY	40.00				X			151,194	0	32,924
(9) MASSEY PHILIP ASTRONOMER	40.00					X		178,598	0	17,207
(10) HUNTER DEIDRE ASTRONOMER	40.00					X		173,571	0	24,081
(11) WEST MICHAEL ASTRONOMER	40.00					X		174,067	0	11,907
(12) SAWYER DAVID TECHNICAL PROJECT MANAGER	40.00					X		148,887	0	20,874
(13) PRATO LISA ASTRONOMER	40.00					X		150,738	0	21,023

Form 990 (2023)

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC/1099-NEC)	(E) Reportable compensation from related organizations (W-2/1099-MISC/1099-NEC)	(F) Estimated amount of other compensation from the organization and related
		Indi	In	Offi	Key	Hig	For			



	Exempt function revenue	Business revenue	Excluded from tax under sections 512 - 514
<b>1a</b> Federated campaigns . . . . .			
<b>1b</b> Contributions, Gifts, Grants, and Membership dues . . . . .			
<b>1c</b> Other similar fundraising events . . . . .			
<b>1d</b> Related organizations . . . . .			
<b>1e</b> Government grants (contributions) . . . . .			
<b>1f</b> All other contributions, gifts, grants, and similar amounts not included above . . . . .			
<b>1g</b> Noncash contributions included in lines 1a - 1f:\$ . . . . .			
<b>h Total.</b> Add lines 1a-1f . . . . .			

Program Service Revenue		Business Code			
<b>2a</b> EDUCATIONAL PROGRAMS		611600	2,143,409	2,143,409	
TELESCOPE ACCESS FEES		541700	2,057,312	2,057,312	
RESEARCH - GOVERNMENT CONTRACTS		541700	714,872	714,872	
<b>f</b> All other program service revenue.					
<b>9 Total.</b> Add lines 2a-2f. . . . .					

<b>3</b> Investment income (including dividends, interest, and other similar amounts) . . . . .			176,873		176,873
<b>4</b> Income from investment of tax-exempt bond proceeds . . . . .					
<b>5</b> Royalties . . . . .					
<b>6a</b> Gross rents	(i) Real	(ii) Personal			
<b>b</b> Less: rental expenses					
<b>c</b> Rental income or (loss)					
<b>d</b> Net rental income or (loss) . . . . .					
<b>7a</b> Gross amount from sales of assets other than inventory	(i) Securities	(ii) Other			
<b>b</b> Less: cost or other basis and sales expenses					
<b>c</b> Gain or (loss)					
<b>d</b> Net gain or (loss) . . . . .					
<b>8a</b> Gross income from fundraising events (not including \$ of contributions reported on line 1c). See Part IV, line 18 . . . . .					
<b>b</b> Less: direct expenses . . . . .					
<b>c</b> Net income or (loss) from fundraising events . . . . .					
<b>9a</b> Gross income from gaming activities. See Part IV, line 19 . . . . .					
<b>b</b> Less: direct expenses . . . . .					
<b>c</b> Net income or (loss) from gaming activities . . . . .					
<b>10a</b> Gross sales of inventory, less returns and allowances . . . . .					

<b>b</b> Less: cost of goods sold . . . . .	<b>10b</b>	358,546			
<b>c</b> Net income or (loss) from sales of inventory . . . . .			429,037	429,037	
<b>11a</b> MISCELLANEOUS INCOME	Business Code				
	900099	166,915	166,915		
<b>b</b>					
<b>c</b> RevenueMiscAmt					
<b>d</b> All other revenue . . . . .					
<b>e Total.</b> Add lines 11a-11d . . . . .		166,915			
<b>12 Total revenue.</b> See instructions . . . . .		20,163,990	5,511,545	0	-3,613,217

Form 990 (2023)

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX . . . . .

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
<b>1</b> Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21 . . . . .	434,519	434,519		
<b>2</b> Grants and other assistance to domestic individuals. See Part IV, line 22 . . . . .				
<b>3</b> Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16. . . . .				
<b>4</b> Benefits paid to or for members . . . . .				
<b>5</b> Compensation of current officers, directors, trustees, and key employees . . . . .	1,352,130	593,981	528,256	229,893
<b>6</b> Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B) . . . . .				
<b>7</b> Other salaries and wages . . . . .	7,690,538	6,410,895	441,737	837,906
<b>8</b> Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions) . . . . .	342,942	290,547	17,533	34,862
<b>9</b> Other employee benefits . . . . .	806,723	667,376	46,619	92,728
<b>10</b> Payroll taxes . . . . .	645,850	507,019	66,313	72,518
<b>11</b> Fees for services (non-employees):				
<b>a</b> Management . . . . .				
<b>b</b> Legal . . . . .	559,201	452,366	106,835	
<b>c</b> Accounting . . . . .	80,450		80,450	
<b>d</b> Lobbying . . . . .				
<b>e</b> Professional fundraising services. See Part IV, line 17				
<b>f</b> Investment management fees . . . . .	7,039		7,039	
<b>g</b> Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	559,931	366,233	182,117	11,581
<b>12</b> Advertising and promotion . . . . .	315,247	233,920	38,563	42,764
<b>13</b> Office expenses . . . . .	782,807	414,324	329,299	39,184
<b>14</b> Information technology . . . . .	286,544	162,080	32,703	91,761
<b>15</b> Royalties . . . . .				
<b>16</b> Occupancy . . . . .	764,647	687,236	58,867	18,544
<b>17</b> Travel . . . . .	278,653	203,789	33,131	41,733
<b>18</b> Payments of travel or entertainment expenses for any federal, state, or local public officials . . . . .				
<b>19</b> Conferences, conventions, and meetings . . . . .	98,008	20,474	30,449	47,085
<b>20</b> Interest . . . . .	39,394		39,394	
<b>21</b> Payments to affiliates . . . . .				
<b>22</b> Depreciation, depletion, and amortization . . . . .	2,107,833	2,047,299	44,092	16,442
<b>23</b> Insurance . . . . .	813,695	805,355	5,166	3,174
<b>24</b> Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e				

expenses on Schedule O.)					
<b>a</b>	REPAIRS AND MAINTENANCE	261,841	248,972	9,537	3,332
<b>b</b>	TRAINING AND DEVELOPMEN	149,374	40,320	105,619	3,435
<b>c</b>	EE RECRUITMENT AND RELO	128,164	21,802	26,570	79,792
<b>d</b>	DUES AND SUBSCRIPTIONS	93,017	62,856	25,056	5,105
<b>e</b>	All other expenses	46,614	32,405	154	14,055
<b>25</b>	<b>Total functional expenses.</b> Add lines 1 through 24e	18,645,161	14,703,768	2,255,499	1,685,894
<b>26</b>	<b>Joint costs.</b> Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720).				

Form 990 (2023)

Form 990 (2023)

Part X **Balance Sheet**

Check if Schedule O contains a response or note to any line in this Part IX

		(A) Beginning of year		(B) End of year
<b>Assets</b>	<b>1</b> Cash—non-interest-bearing . . . . .	631,675	<b>1</b>	557,767
	<b>2</b> Savings and temporary cash investments . . . . .	4,653,683	<b>2</b>	294,575
	<b>3</b> Pledges and grants receivable, net . . . . .	13,547,874	<b>3</b>	16,184,399
	<b>4</b> Accounts receivable, net . . . . .	212,201	<b>4</b>	95,506
	<b>5</b> Loans and other receivables from any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons		<b>5</b>	
	<b>6</b> Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), and persons described in section 4958(c)(3)(B) . . . . .		<b>6</b>	
	<b>7</b> Notes and loans receivable, net . . . . .		<b>7</b>	
	<b>8</b> Inventories for sale or use . . . . .	104,363	<b>8</b>	105,908
	<b>9</b> Prepaid expenses and deferred charges . . . . .	2,216,971	<b>9</b>	320,331
	<b>10a</b> Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	<b>10a</b> 96,993,618		
	<b>b</b> Less: accumulated depreciation	<b>10b</b> 29,737,169	56,886,106	<b>10c</b> 67,256,449
	<b>11</b> Investments—publicly traded securities . . . . .		<b>11</b>	
	<b>12</b> Investments—other securities. See Part IV, line 11 . . . . .		<b>12</b>	
	<b>13</b> Investments—program-related. See Part IV, line 11 . . . . .		<b>13</b>	
	<b>14</b> Intangible assets . . . . .	199,310	<b>14</b>	0
	<b>15</b> Other assets. See Part IV, line 11 . . . . .	524,478	<b>15</b>	622,735
<b>16 Total assets.</b> Add lines 1 through 15 (must equal line 33) . . . . .	78,976,661	<b>16</b>	85,437,670	
<b>Liabilities</b>	<b>17</b> Accounts payable and accrued expenses . . . . .	807,191	<b>17</b>	1,517,114
	<b>18</b> Grants payable . . . . .		<b>18</b>	
	<b>19</b> Deferred revenue . . . . .	7,033,706	<b>19</b>	6,316,461
	<b>20</b> Tax-exempt bond liabilities . . . . .		<b>20</b>	
	<b>21</b> Escrow or custodial account liability. Complete Part IV of Schedule D		<b>21</b>	
	<b>22</b> Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons . . . . .		<b>22</b>	
	<b>23</b> Secured mortgages and notes payable to unrelated third parties . . . . .	2,000,000	<b>23</b>	1,953,513
	<b>24</b> Unsecured notes and loans payable to unrelated third parties . . . . .		<b>24</b>	
	<b>25</b> Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17 - 24). Complete Part X of Schedule D	13,547,382	<b>25</b>	19,237,461
	<b>26 Total liabilities.</b> Add lines 17 through 25 . . . . .	23,388,279	<b>26</b>	29,024,549
<b>Assets or Fund Balances</b>	<b>Organizations that follow FASB ASC 958, check here <input checked="" type="checkbox"/> and complete lines 27, 28, 32, and 33.</b>			
	<b>27</b> Net assets without donor restrictions . . . . .	34,560,307	<b>27</b>	38,488,526
	<b>28</b> Net assets with donor restrictions . . . . .	21,028,075	<b>28</b>	17,924,595
	<b>Organizations that do not follow FASB ASC 958, check here <input type="checkbox"/> and complete lines 29 through 33.</b>			
	<b>29</b> Capital stock or trust principal, or current funds . . . . .		<b>29</b>	
<b>30</b> Paid-in or capital surplus, or land, building or equipment fund . . . . .		<b>30</b>		
<b>31</b> Retained earnings, endowment, accumulated income, or other funds		<b>31</b>		

<b>Net</b>	<b>32</b>	Total net assets or fund balances . . . . .	55,588,382	<b>32</b>	56,413,121
	<b>33</b>	Total liabilities and net assets/fund balances . . . . .	78,976,661	<b>33</b>	85,437,670

Form 990 (2023)

Form 990 (2023)

Part XI **Reconciliation of Net Assets**

Check if Schedule O contains a response or note to any line in this Part XI

<b>1</b>	Total revenue (must equal Part VIII, column (A), line 12) . . . . .	<b>1</b>	20,163,990
<b>2</b>	Total expenses (must equal Part IX, column (A), line 25) . . . . .	<b>2</b>	18,645,161
<b>3</b>	Revenue less expenses. Subtract line 2 from line 1 . . . . .	<b>3</b>	1,518,829
<b>4</b>	Net assets or fund balances at beginning of year (must equal Part X, line 32, column (A)) . . . . .	<b>4</b>	55,588,382
<b>5</b>	Net unrealized gains (losses) on investments . . . . .	<b>5</b>	-694,090
<b>6</b>	Donated services and use of facilities . . . . .	<b>6</b>	
<b>7</b>	Investment expenses . . . . .	<b>7</b>	
<b>8</b>	Prior period adjustments . . . . .	<b>8</b>	
<b>9</b>	Other changes in net assets or fund balances (explain in Schedule O) . . . . .	<b>9</b>	0
<b>10</b>	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 32, column (B))	<b>10</b>	56,413,121

Part XII **Financial Statements and Reporting**

Check if Schedule O contains a response or note to any line in this Part XII

		Yes	No
<b>1</b>	Accounting method used to prepare the Form 990: <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain on Schedule O.		
<b>2a</b>	Were the organization's financial statements compiled or reviewed by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both: <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		No
<b>2b</b>	Were the organization's financial statements audited by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both: <input type="checkbox"/> Separate basis <input checked="" type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	Yes	
<b>2c</b>	If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O.	Yes	
<b>3a</b>	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Uniform Guidance, 2 C.F.R. Part 200, Subpart F?	Yes	
<b>3b</b>	If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits.	Yes	

Form 990 (2023)

Form 990 (2023)

**Additional Data**

[Return to Form](#)

SCHEDULE A (Form 990)

Department of the Treasury Internal Revenue Service

Public Charity Status and Public Support Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust. Attach to Form 990 or Form 990-EZ. Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2023

Open to Public Inspection

Table with 2 columns: Name of the organization (LOWELL OBSERVATORY) and Employer identification number (86-0098918)

Part I Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is: (For lines 1 through 12, check only one box.)

- 1 A church, convention of churches, or association of churches described in section 170(b)(1)(A)(i).
2 A school described in section 170(b)(1)(A)(ii).
3 A hospital or a cooperative hospital service organization described in section 170(b)(1)(A)(iii).
4 A medical research organization operated in conjunction with a hospital described in section 170(b)(1)(A)(iii).
5 An organization operated for the benefit of a college or university owned or operated by a governmental unit described in section 170(b)(1)(A)(iv).
6 A federal, state, or local government or governmental unit described in section 170(b)(1)(A)(v).
7 An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in section 170(b)(1)(A)(vi).
8 A community trust described in section 170(b)(1)(A)(vi).
9 An agricultural research organization described in 170(b)(1)(A)(ix) operated in conjunction with a land-grant college or university or a non-land grant college of agriculture.
10 An organization that normally receives: (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions...
11 An organization organized and operated exclusively to test for public safety.
12 An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations...
a Type I. A supporting organization operated, supervised, or controlled by its supported organization(s)...
b Type II. A supporting organization supervised or controlled in connection with its supported organization(s)...
c Type III functionally integrated. A supporting organization operated in connection with, and functionally integrated with, its supported organization(s)...
d Type III non-functionally integrated. A supporting organization operated in connection with its supported organization(s) that is not functionally integrated...
e Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization.
f Enter the number of supported organizations

Table with 6 columns: (i) Name of supported organization, (ii) EIN, (iii) Type of organization, (iv) Is the organization listed in your governing document?, (v) Amount of monetary support, (vi) Amount of other support. Includes a Total row.

Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi) (Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization failed to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Table with 7 columns: Calendar year (or fiscal year beginning in), (a) 2019, (b) 2020, (c) 2021, (d) 2022, (e) 2023, (f) Total. Row 1: Gifts, grants, contributions, and membership fees received. Row 2: Tax revenues levied for the organization's benefit...

3	The value of services or facilities furnished by a governmental unit to the organization without charge..	122,000	123,000	124,000	125,000	126,000	620,000
4	<b>Total.</b> Add lines 1 through 3	22,554,053	12,318,142	16,832,119	12,972,808	18,391,662	83,068,784
5	The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f) . . .						27,776,164
6	<b>Public support.</b> Subtract line 5 from line 4.						55,292,620

**Section B. Total Support**

Calendar year (or fiscal year beginning in) ▶	(a) 2019	(b) 2020	(c) 2021	(d) 2022	(e) 2023	(f) Total
7 Amounts from line 4. . .	22,554,053	12,318,142	16,832,119	12,972,808	18,391,662	83,068,784
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources . . .	9,825	12,208	14,004	43,412	176,873	256,322
9 Net income from unrelated business activities, whether or not the business is regularly carried on. . .						
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.) . .						
11 <b>Total support.</b> Add lines 7 through 10						83,325,106
12 Gross receipts from related activities, etc. (see instructions) . . . . .					12	27,346,127
13 <b>First 5 years.</b> If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and <b>stop here</b> . . . . . ▶ <input type="checkbox"/>						

**Section C. Computation of Public Support Percentage**

14 Public support percentage for 2023 (line 6, column (f) divided by line 11, column (f)) . . . . .	14	66.360 %
15 Public support percentage for 2022 Schedule A, Part II, line 14 . . . . .	15	71.100 %
16a <b>33 1/3% support test—2023.</b> If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and <b>stop here.</b> The organization qualifies as a publicly supported organization . . . . . ▶ <input checked="" type="checkbox"/>		
b <b>33 1/3% support test—2022.</b> If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and <b>stop here.</b> The organization qualifies as a publicly supported organization . . . . . ▶ <input type="checkbox"/>		
17a <b>10%-facts-and-circumstances test—2023.</b> If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and <b>stop here.</b> Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization . . . . . ▶ <input type="checkbox"/>		
b <b>10%-facts-and-circumstances test—2022.</b> If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and <b>stop here.</b> Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization . . . . . ▶ <input type="checkbox"/>		
18 <b>Private foundation.</b> If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions . . . . . ▶ <input type="checkbox"/>		

Schedule A (Form 990) 2023

**Part III Support Schedule for Organizations Described in Section 509(a)(2)**

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

**Section A. Public Support**

Calendar year (or fiscal year beginning in) ▶	(a) 2019	(b) 2020	(c) 2021	(d) 2022	(e) 2023	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.") . . .						
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose . . . . .						
3 Gross receipts from activities that are not an unrelated trade or business under section 513 . . . . .						
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf. . . . .						
5 The value of services or facilities furnished by a governmental unit to the organization without charge . . . . .						
6 <b>Total.</b> Add lines 1 through 5						
7a Amounts included on lines 1, 2, and 3 received from disqualified persons . . . . .						
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year. . . . .						
c Add lines 7a and 7b. . . . .						
8 <b>Public support.</b> (Subtract line 7c from line 6.) . . . . .						

Section B. Total Support

Table with 7 columns: (a) 2019, (b) 2020, (c) 2021, (d) 2022, (e) 2023, (f) Total. Rows include: 9 Amounts from line 6, 10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources, b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975, c Add lines 10a and 10b, 11 Net income from unrelated business activities not included on line 10b, whether or not the business is regularly carried on, 12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.), 13 Total support. (Add lines 9, 10c, 11, and 12.), 14 First 5 years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here.

Section C. Computation of Public Support Percentage

Table with 2 columns: Description, Amount. Row 15: Public support percentage for 2023 (line 8, column (f) divided by line 13, column (f)) 15. Row 16: Public support percentage from 2022 Schedule A, Part III, line 15 16.

Section D. Computation of Investment Income Percentage

Table with 2 columns: Description, Amount. Row 17: Investment income percentage for 2023 (line 10c, column (f) divided by line 13, column (f)) 17. Row 18: Investment income percentage from 2022 Schedule A, Part III, line 17 18.

- 19a 33 1/3% support tests-2023. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization.
b 33 1/3% support tests-2022. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization.
20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions.

Schedule A (Form 990) 2023

Part IV Supporting Organizations

(Complete only if you checked a box on line 12 of Part I. If you checked box 12a, of Part I, complete Sections A and B. If you checked box 12b, of Part I, complete Sections A and C. If you checked box 12c, of Part I, complete Sections A, D, and E. If you checked box 12d, of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

Table with 3 columns: Question, Yes, No. Rows include: 1 Are all of the organization's supported organizations listed by name in the organization's governing documents? If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain. 2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2). 3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer lines 3b and 3c below. b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? If "Yes," describe in Part VI when and how the organization made the determination. c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in Part VI what controls the organization put in place to ensure such use. 4a Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes" and if you checked box 12a or 12b in Part I, answer lines 4b and 4c below. b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations. c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes. 5a Did the organization add, substitute, or remove any supported organizations during the tax year? If "Yes," answer lines 5b and 5c below (if applicable). Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document). b Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document? c Substitutions only. Was the substitution the result of an event beyond the organization's control? 6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? If "Yes," provide detail in Part VI.

			<b>6</b>		
<b>7</b>	Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? <i>If "Yes," complete Part I of Schedule L (Form 990).</i>		<b>7</b>		
<b>8</b>	Did the organization make a loan to a disqualified person (as defined in section 4958) not described on line 7? <i>If "Yes," complete Part I of Schedule L (Form 990).</i>		<b>8</b>		
<b>9a</b>	Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons, as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? <i>If "Yes," provide detail in Part VI.</i>		<b>9a</b>		
<b>b</b>	Did one or more disqualified persons (as defined on line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? <i>If "Yes," provide detail in Part VI.</i>		<b>9b</b>		
<b>c</b>	Did a disqualified person (as defined on line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? <i>If "Yes," provide detail in Part VI.</i>		<b>9c</b>		
<b>10a</b>	Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? <i>If "Yes," answer line 10b below.</i>		<b>10a</b>		
<b>b</b>	Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings).		<b>10b</b>		

Schedule A (Form 990) 2023

Part IV Supporting Organizations (continued)

		Yes	No
<b>11</b>	Has the organization accepted a gift or contribution from any of the following persons?		
<b>a</b>	A person who directly or indirectly controls, either alone or together with persons described on lines 11b and 11c below, the governing body of a supported organization?		
<b>b</b>	A family member of a person described on 11a above?		
<b>c</b>	A 35% controlled entity of a person described on line 11a or 11b above? <i>If "Yes" to 11a, 11b, or 11c, provide detail in Part VI.</i>		

Section B. Type I Supporting Organizations

		Yes	No
<b>1</b>	Did the officers, directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? <i>If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.</i>		
<b>2</b>	Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? <i>If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised or controlled the supporting organization.</i>		

Section C. Type II Supporting Organizations

		Yes	No
<b>1</b>	Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? <i>If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).</i>		

Section D. All Type III Supporting Organizations

		Yes	No
<b>1</b>	Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?		
<b>2</b>	Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? <i>If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).</i>		
<b>3</b>	By reason of the relationship described in line 2 above, did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? <i>If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.</i>		

Section E. Type III Functionally-Integrated Supporting Organizations

<b>1</b>	Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions):		
<b>a</b>	<input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
<b>b</b>	<input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
<b>c</b>	<input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a governmental entity (see instructions)		
<b>2</b>	Activities Test. Answer lines 2a and 2b below.		
<b>a</b>	Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted</i>	Yes	No

substantially all of its activities.

**b** Did the activities described on line 2a, above constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? *If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.*

**3 Parent of Supported Organizations. Answer lines 3a and 3b below.**

**a** Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? *If "Yes" or "No", provide details in Part VI.*

**b** Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? *If "Yes," describe in Part VI the role played by the organization in this regard.*

<b>2a</b>		
<b>2b</b>		
<b>3a</b>		
<b>3b</b>		

Schedule A (Form 990) 2023

**Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations**

**1**  Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI). See instructions. All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

<b>Section A - Adjusted Net Income</b>		(A) Prior Year	(B) Current Year (optional)
<b>1</b>	Net short-term capital gain	<b>1</b>	
<b>2</b>	Recoveries of prior-year distributions	<b>2</b>	
<b>3</b>	Other gross income (see instructions)	<b>3</b>	
<b>4</b>	Add lines 1 through 3	<b>4</b>	
<b>5</b>	Depreciation and depletion	<b>5</b>	
<b>6</b>	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	<b>6</b>	
<b>7</b>	Other expenses (see instructions)	<b>7</b>	
<b>8</b>	<b>Adjusted Net Income</b> (subtract lines 5, 6 and 7 from line 4)	<b>8</b>	
<b>Section B - Minimum Asset Amount</b>		(A) Prior Year	(B) Current Year (optional)
<b>1</b>	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):	<b>1</b>	
<b>a</b>	Average monthly value of securities	<b>1a</b>	
<b>b</b>	Average monthly cash balances	<b>1b</b>	
<b>c</b>	Fair market value of other non-exempt-use assets	<b>1c</b>	
<b>d</b>	<b>Total</b> (add lines 1a, 1b, and 1c)	<b>1d</b>	
<b>e</b>	<b>Discount</b> claimed for blockage or other factors (explain in detail in Part VI):		
<b>2</b>	Acquisition indebtedness applicable to non-exempt use assets	<b>2</b>	
<b>3</b>	Subtract line 2 from line 1d	<b>3</b>	
<b>4</b>	Cash deemed held for exempt use. Enter 0.015 of line 3 (for greater amount, see instructions).	<b>4</b>	
<b>5</b>	Net value of non-exempt-use assets (subtract line 4 from line 3)	<b>5</b>	
<b>6</b>	Multiply line 5 by 0.035	<b>6</b>	
<b>7</b>	Recoveries of prior-year distributions	<b>7</b>	
<b>8</b>	<b>Minimum Asset Amount</b> (add line 7 to line 6)	<b>8</b>	
<b>Section C - Distributable Amount</b>		Current Year	
<b>1</b>	Adjusted net income for prior year (from Section A, line 8, Column A)	<b>1</b>	
<b>2</b>	Enter 85% of line 1	<b>2</b>	
<b>3</b>	Minimum asset amount for prior year (from Section B, line 8, Column A)	<b>3</b>	
<b>4</b>	Enter greater of line 2 or line 3	<b>4</b>	
<b>5</b>	Income tax imposed in prior year	<b>5</b>	
<b>6</b>	<b>Distributable Amount.</b> Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	<b>6</b>	
<b>7</b>	<input type="checkbox"/> Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions)		

Schedule A (Form 990) 2023

**Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)**

<b>Section D - Distributions</b>		Current Year	
<b>1</b>	Amounts paid to supported organizations to accomplish exempt purposes	<b>1</b>	
<b>2</b>	Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	<b>2</b>	

excess of income from activity		
<b>3</b>	Administrative expenses paid to accomplish exempt purposes of supported organizations	<b>3</b>
<b>4</b>	Amounts paid to acquire exempt-use assets	<b>4</b>
<b>5</b>	Qualified set-aside amounts (prior IRS approval required - provide details in <b>Part VI</b> )	<b>5</b>
<b>6</b>	Other distributions (describe in <b>Part VI</b> ). See instructions	<b>6</b>
<b>7</b>	<b>Total annual distributions.</b> Add lines 1 through 6.	<b>7</b>
<b>8</b>	Distributions to attentive supported organizations to which the organization is responsive (provide details in <b>Part VI</b> ). See instructions	<b>8</b>
<b>9</b>	Distributable amount for 2023 from Section C, line 6	<b>9</b>
<b>10</b>	Line 8 amount divided by Line 9 amount	<b>10</b>

<b>Section E - Distribution Allocations</b> (see instructions)	<b>(i) Excess Distributions</b>	<b>(ii) Underdistributions Pre-2023</b>	<b>(iii) Distributable Amount for 2023</b>
<b>1</b> Distributable amount for 2023 from Section C, line 6			
<b>2</b> Underdistributions, if any, for years prior to 2023 (reasonable cause required-- explain in <b>Part VI</b> ). See instructions.			
<b>3</b> Excess distributions carryover, if any, to 2023:			
<b>a</b> From 2018. . . . .			
<b>b</b> From 2019. . . . .			
<b>c</b> From 2020. . . . .			
<b>d</b> From 2021. . . . .			
<b>e</b> From 2022. . . . .			
<b>f</b> Total of lines 3a through e			
<b>g</b> Applied to underdistributions of prior years			
<b>h</b> Applied to 2023 distributable amount			
<b>i</b> Carryover from 2018 not applied (see instructions)			
<b>j</b> Remainder. Subtract lines 3g, 3h, and 3i from line 3f.			
<b>4</b> Distributions for 2023 from Section D, line 7: \$			
<b>a</b> Applied to underdistributions of prior years			
<b>b</b> Applied to 2023 distributable amount			
<b>c</b> Remainder. Subtract lines 4a and 4b from line 4.			
<b>5</b> Remaining underdistributions for years prior to 2023, if any. Subtract lines 3g and 4a from line 2. If the amount is greater than zero, explain in <b>Part VI</b> . See instructions.			
<b>6</b> Remaining underdistributions for 2023. Subtract lines 3h and 4b from line 1. If the amount is greater than zero, explain in <b>Part VI</b> . See instructions.			
<b>7</b> Excess distributions carryover to 2024. Add lines 3j and 4c.			
<b>8</b> Breakdown of line 7:			
<b>a</b> Excess from 2019. . . . .			
<b>b</b> Excess from 2020. . . . .			
<b>c</b> Excess from 2021. . . . .			
<b>d</b> Excess from 2022. . . . .			
<b>e</b> Excess from 2023. . . . .			

Schedule A (Form 990) (2023)

**Part VI Supplemental Information.** Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a and 3b; Part V, line 1; Part V, Section B, line 1e; Part V Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information. (See instructions).

<b>Facts And Circumstances Test</b>
-------------------------------------

Return Reference	Explanation
------------------	-------------

Schedule A (Form 990) 2023

**Software ID:**  
**Software Version:**

Schedule B

Schedule of Contributors

OMB No. 1545-0047

(Form 990) Department of the Treasury Internal Revenue Service

Attach to Form 990, 990-EZ, or 990-PF. Go to www.irs.gov/Form990 for the latest information.

2023

Name of the organization LOWELL OBSERVATORY

Employer identification number 86-0098918

Organization type (check one):

Filers of:

Section:

Form 990 or 990-EZ

- 501(c)( ) (enter number) organization
4947(a)(1) nonexempt charitable trust not treated as a private foundation
527 political organization

Form 990-PF

- 501(c)(3) exempt private foundation
4947(a)(1) nonexempt charitable trust treated as a private foundation
501(c)(3) taxable private foundation

Check if your organization is covered by the General Rule or a Special Rule.

Note: Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.

General Rule

- For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, contributions totaling \$5,000 or more (in money or other property) from any one contributor. Complete Parts I and II. See instructions for determining a contributor's total contributions.

Special Rules

- For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3% support test...
For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor...
For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor...

Caution: An organization that isn't covered by the General Rule and/or the Special Rules doesn't file Schedule B (Form 990, 990-EZ, or 990-PF), but it must answer "No" on Part IV, line 2, of its Form 990; or check the box on line H of its Form 990-EZ or on its Form 990PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

For Paperwork Reduction Act Notice, see the Instructions for Form 990, 990-EZ, or 990-PF.

Cat. No. 30613X

Schedule B (Form 990) (2023)

Schedule B (Form 990) (2023)

Page 2

Name of organization LOWELL OBSERVATORY

Employer identification number 86-0098918

Part I

Contributors (see instructions). Use duplicate copies of Part I if additional space is needed.

Contributors

Table with 4 columns: (a) No., (b) Name, address, and ZIP + 4, (c) Total contributions, (d) Type of contribution. Includes a checkbox for Person.

<u>RESTRICTED</u>			
		\$ <u>RESTRICTED</u>	<input type="checkbox"/> <b>Payroll</b> <input type="checkbox"/> <b>Noncash</b> <small>(Complete Part II for noncash contributions.)</small>
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
-		\$	<input type="checkbox"/> <b>Person</b> <input type="checkbox"/> <b>Payroll</b> <input type="checkbox"/> <b>Noncash</b> <small>(Complete Part II for noncash contributions.)</small>
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
-		\$	<input type="checkbox"/> <b>Person</b> <input type="checkbox"/> <b>Payroll</b> <input type="checkbox"/> <b>Noncash</b> <small>(Complete Part II for noncash contributions.)</small>
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
-		\$	<input type="checkbox"/> <b>Person</b> <input type="checkbox"/> <b>Payroll</b> <input type="checkbox"/> <b>Noncash</b> <small>(Complete Part II for noncash contributions.)</small>
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
-		\$	<input type="checkbox"/> <b>Person</b> <input type="checkbox"/> <b>Payroll</b> <input type="checkbox"/> <b>Noncash</b> <small>(Complete Part II for noncash contributions.)</small>
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
-		\$	<input type="checkbox"/> <b>Person</b> <input type="checkbox"/> <b>Payroll</b> <input type="checkbox"/> <b>Noncash</b> <small>(Complete Part II for noncash contributions.)</small>

Schedule B (Form 990) (2023)

Schedule B (Form 990) (2023)

Name of organization LOWELL OBSERVATORY	Employer identification number 86-0098918
--	--

<b>Part II Noncash Property</b> (see instructions). Use duplicate copies of Part II if additional space is needed.			
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-		\$	
-		\$	
-		\$	

-		\$	
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-		\$	
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-		\$	
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-		\$	

Schedule B (Form 990) (2023)

Schedule B (Form 990) (2023)

Page 4

Name of organization LOWELL OBSERVATORY	Employer identification number 86-0098918
--	--

**Part III** Exclusively religious, charitable, etc., contributions to organizations described in section 501(c)(7), (8), or (10) that total more than \$1,000 for the year from any one contributor. Complete columns (a) through (e) and the following line entry. For organizations completing Part III, enter the total of exclusively religious, charitable, etc., contributions of \$1,000 or less for the year. (Enter this information once. See instructions.) ▶ \$ \_\_\_\_\_  
Use duplicate copies of Part III if additional space is needed.

(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
-			
(e) Transfer of gift			
Transferee's name, address, and ZIP 4		Relationship of transferor to transferee	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
-			
(e) Transfer of gift			
Transferee's name, address, and ZIP 4		Relationship of transferor to transferee	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
-			
(e) Transfer of gift			
Transferee's name, address, and ZIP 4		Relationship of transferor to transferee	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
-			
(e) Transfer of gift			
Transferee's name, address, and ZIP 4		Relationship of transferor to transferee	

Schedule B (Form 990) (2023)

## Additional Data

---

[Return to Form](#)

**Software ID:**  
**Software Version:**

SCHEDULE D (Form 990)

Supplemental Financial Statements

OMB No. 1545-0047

2022

Open to Public Inspection

Department of the Treasury Internal Revenue Service

Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b. Attach to Form 990. Go to www.irs.gov/Form990 for instructions and the latest information.

Table with 2 columns: Name of the organization (LOWELL OBSERVATORY) and Employer identification number (86-0098918)

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

Table with 3 columns: Question number, (a) Donor advised funds, (b) Funds and other accounts. Includes questions 1-6 regarding donor advised funds.

Part II Conservation Easements. Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

Table with 3 columns: Question number, Description, and Held at the End of the Year (2a-2d). Includes questions 1-9 regarding conservation easements.

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

Table with 3 columns: Question number, Description, and Amount. Includes questions 1a-1b and 2a-2b regarding art and historical treasures.

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

Table with 3 columns: Question number, Description, and Amount. Includes question 3 regarding collection items.

Public exhibition

Loan or exchange programs

**b**  Scholarly research

**e**  Other .....

**c**  Preservation for future generations

**4** Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.

**5** During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? . . .  Yes  No

**Part IV Escrow and Custodial Arrangements.**

Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

**1a** Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? . . .  Yes  No

	Amount
<b>c</b> Beginning balance . . . . .	<b>1c</b>
<b>d</b> Additions during the year . . . . .	<b>1d</b>
<b>e</b> Distributions during the year . . . . .	<b>1e</b>
<b>f</b> Ending balance . . . . .	<b>1f</b>

**2a** Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? . . .  Yes  No

**b** If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided in Part XIII . . . .

**Part V Endowment Funds.**

Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
<b>1a</b> Beginning of year balance . . . . .	40,059,052	44,179,628	36,315,509	30,997,339	26,558,269
<b>b</b> Contributions . . . . .	3,708,769	1,024,292	4,366,064	2,278,596	709,421
<b>c</b> Net investment earnings, gains, and losses	4,154,482	-4,704,207	3,881,793	3,333,162	4,013,194
<b>d</b> Grants or scholarships . . . . .	496,851	294,403	259,809	175,186	163,237
<b>e</b> Other expenditures for facilities and programs . . . . .					
<b>f</b> Administrative expenses . . . . .	327,554	146,259	123,929	118,402	120,308
<b>g</b> End of year balance . . . . .	47,097,896	40,059,052	44,179,628	36,315,509	30,997,339

**2** Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:

**a** Board designated or quasi-endowment ▶ 4.463 %

**b** Permanent endowment ▶ 24.702 %

**c** Term endowment ▶ 70.835 %

The percentages on lines 2a, 2b, and 2c should equal 100%.

**3a** Are there endowment funds not in the possession of the organization that are held and administered for the organization by:

**(i)** Unrelated organizations . . . . .

**(ii)** Related organizations . . . . .

	Yes	No
<b>3a(i)</b>		No
<b>3a(ii)</b>	Yes	
<b>3b</b>	Yes	

**b** If "Yes" on 3a(ii), are the related organizations listed as required on Schedule R? . . . . .

**4** Describe in Part XIII the intended uses of the organization's endowment funds.

**Part VI Land, Buildings, and Equipment.**

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
<b>1a</b> Land . . . . .		445,917		445,917
<b>b</b> Buildings . . . . .		23,619,209	8,223,122	15,396,087
<b>c</b> Leasehold improvements		3,743,059	3,086,435	656,624
<b>d</b> Equipment . . . . .		38,046,473	17,986,008	20,060,465
<b>e</b> Other . . . . .		31,138,960	441,604	30,697,356
<b>Total.</b> Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10(c).) . . . ▶				67,256,449

Schedule D (Form 990) 2022

**Part VII Investments - Other Securities.**

Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
<b>(1)</b> Financial derivatives . . . . .		
<b>(2)</b> Closely-held equity interests . . . . .		
<b>(3)</b> Other _____		
(A)		
(B)		
(C)		

(D)		
(E)		
(F)		
(G)		
(H)		
<b>Total.</b> (Column (b) must equal Form 990, Part X, col. (B) line 12.)		

**Part VIII Investments - Program Related.**

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
<b>Total.</b> (Column (b) must equal Form 990, Part X, col.(B) line 13.)		

**Part IX Other Assets.**

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11d. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
<b>Total.</b> (Column (b) must equal Form 990, Part X, col.(B) line 15.)	

**Part X Other Liabilities.**

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
DUE TO PERCIVAL LOWELL TRUST UW	18,187,399
DUE TO/FROM OTHER FUNDS	1,050,062
<b>Total.</b> (Column (b) must equal Form 990, Part X, col.(B) line 25.)	19,237,461

2. Liability for uncertain tax positions. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

Table with 5 main rows and sub-rows (a-e) for adjustments. Columns include line numbers and descriptions of revenue reconciliation.

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

Table with 5 main rows and sub-rows (a-e) for adjustments. Columns include line numbers and descriptions of expense reconciliation.

Part XIII Supplemental Information

Provide the descriptions required for Part II, lines 3, 5, and 9; Part III, lines 1a and 4; Part IV, lines 1b and 2b; Part V, line 4; Part X, line 2; Part XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

Table with 2 columns: Return Reference and Explanation. Contains two entries regarding endowment funds and tax-exempt status.

Schedule D (Form 990) 2022

Additional Data

Return to Form

Software ID:
Software Version:

Note: To capture the full content of this document, please select landscape mode (11" x 8.5") when printing.

Schedule I (Form 990)

Grants and Other Assistance to Organizations, Governments and Individuals in the United States

OMB No. 1545-0047

2023

Open to Public Inspection

Department of the Treasury Internal Revenue Service Name of the organization LOWELL OBSERVATORY

Employer identification number 86-0098918

Part I General Information on Grants and Assistance

- 1 Does the organization maintain records to substantiate the amount of the grants or assistance...
2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments. Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000.

Table with 8 columns: (a) Name and address of organization or government, (b) EIN, (c) IRC section, (d) Amount of cash grant, (e) Amount of non-cash assistance, (f) Method of valuation, (g) Description of noncash assistance, (h) Purpose of grant or assistance.

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table. 6
3 Enter total number of other organizations listed in the line 1 table. 0

Schedule I (Form 990) 2023

Part III Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22.

Table with 6 columns: (a) Type of grant or assistance, (b) Number of recipients, (c) Amount of cash grant, (d) Amount of noncash assistance, (e) Method of valuation, (f) Description of noncash assistance.

Part IV Supplemental Information. Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

Table with 2 columns: Return Reference, Explanation. Row 1: PART I, LINE 2: ALL GRANT RECIPIENTS ARE MAJOR UNIVERSITIES, WITH SOPHISTICATED SYSTEMS FOR ADMINISTERING GRANTS.

Additional Data

Return to Form

Software ID:
Software Version:

<b>efile Public Visual Render</b>	<b>ObjectID: 202442299349301904 - Submission: 2024-08-16</b>	<b>TIN: 86-0098918</b>
<b>Schedule J</b> (Form 990)	<b>Compensation Information</b> For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees ▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23. ▶ Attach to Form 990. ▶ Go to <a href="http://www.irs.gov/Form990">www.irs.gov/Form990</a> for instructions and the latest information.	
	OMB No. 1545-0047  <div style="font-size: 2em; font-weight: bold; color: green;">2023</div> Open to Public Inspection	
Department of the Treasury Internal Revenue Service	Name of the organization LOWELL OBSERVATORY	Employer identification number 86-0098918

**Part I Questions Regarding Compensation**

	Yes	No									
<b>1a</b> Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items. <table style="width:100%; margin-top: 5px;"> <tr> <td><input type="checkbox"/> First-class or charter travel</td> <td><input type="checkbox"/> Housing allowance or residence for personal use</td> </tr> <tr> <td><input type="checkbox"/> Travel for companions</td> <td><input type="checkbox"/> Payments for business use of personal residence</td> </tr> <tr> <td><input type="checkbox"/> Tax idemnification and gross-up payments</td> <td><input type="checkbox"/> Health or social club dues or initiation fees</td> </tr> <tr> <td><input type="checkbox"/> Discretionary spending account</td> <td><input type="checkbox"/> Personal services (e.g., maid, chauffeur, chef)</td> </tr> </table>	<input type="checkbox"/> First-class or charter travel	<input type="checkbox"/> Housing allowance or residence for personal use	<input type="checkbox"/> Travel for companions	<input type="checkbox"/> Payments for business use of personal residence	<input type="checkbox"/> Tax idemnification and gross-up payments	<input type="checkbox"/> Health or social club dues or initiation fees	<input type="checkbox"/> Discretionary spending account	<input type="checkbox"/> Personal services (e.g., maid, chauffeur, chef)			
<input type="checkbox"/> First-class or charter travel	<input type="checkbox"/> Housing allowance or residence for personal use										
<input type="checkbox"/> Travel for companions	<input type="checkbox"/> Payments for business use of personal residence										
<input type="checkbox"/> Tax idemnification and gross-up payments	<input type="checkbox"/> Health or social club dues or initiation fees										
<input type="checkbox"/> Discretionary spending account	<input type="checkbox"/> Personal services (e.g., maid, chauffeur, chef)										
<b>b</b> If any of the boxes on Line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain. <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"></td> <td style="width:10%; text-align: center;"><b>1b</b></td> <td style="width:10%;"></td> </tr> </table>		<b>1b</b>									
	<b>1b</b>										
<b>2</b> Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked on Line 1a? <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"></td> <td style="width:10%; text-align: center;"><b>2</b></td> <td style="width:10%;"></td> </tr> </table>		<b>2</b>									
	<b>2</b>										
<b>3</b> Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III. <table style="width:100%; margin-top: 5px;"> <tr> <td><input type="checkbox"/> Compensation committee</td> <td><input type="checkbox"/> Written employment contract</td> </tr> <tr> <td><input type="checkbox"/> Independent compensation consultant</td> <td><input checked="" type="checkbox"/> Compensation survey or study</td> </tr> <tr> <td><input checked="" type="checkbox"/> Form 990 of other organizations</td> <td><input checked="" type="checkbox"/> Approval by the board or compensation committee</td> </tr> </table>	<input type="checkbox"/> Compensation committee	<input type="checkbox"/> Written employment contract	<input type="checkbox"/> Independent compensation consultant	<input checked="" type="checkbox"/> Compensation survey or study	<input checked="" type="checkbox"/> Form 990 of other organizations	<input checked="" type="checkbox"/> Approval by the board or compensation committee					
<input type="checkbox"/> Compensation committee	<input type="checkbox"/> Written employment contract										
<input type="checkbox"/> Independent compensation consultant	<input checked="" type="checkbox"/> Compensation survey or study										
<input checked="" type="checkbox"/> Form 990 of other organizations	<input checked="" type="checkbox"/> Approval by the board or compensation committee										
<b>4</b> During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization: <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"><b>a</b> Receive a severance payment or change-of-control payment?</td> <td style="width:10%; text-align: center;"><b>4a</b></td> <td style="width:10%; text-align: center;">No</td> </tr> <tr> <td><b>b</b> Participate in, or receive payment from, a supplemental nonqualified retirement plan?</td> <td style="text-align: center;"><b>4b</b></td> <td style="text-align: center;">No</td> </tr> <tr> <td><b>c</b> Participate in, or receive payment from, an equity-based compensation arrangement?</td> <td style="text-align: center;"><b>4c</b></td> <td style="text-align: center;">No</td> </tr> </table> If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III.	<b>a</b> Receive a severance payment or change-of-control payment?	<b>4a</b>	No	<b>b</b> Participate in, or receive payment from, a supplemental nonqualified retirement plan?	<b>4b</b>	No	<b>c</b> Participate in, or receive payment from, an equity-based compensation arrangement?	<b>4c</b>	No		
<b>a</b> Receive a severance payment or change-of-control payment?	<b>4a</b>	No									
<b>b</b> Participate in, or receive payment from, a supplemental nonqualified retirement plan?	<b>4b</b>	No									
<b>c</b> Participate in, or receive payment from, an equity-based compensation arrangement?	<b>4c</b>	No									
<b>Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.</b>											
<b>5</b> For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of: <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"><b>a</b> The organization?</td> <td style="width:10%; text-align: center;"><b>5a</b></td> <td style="width:10%; text-align: center;">No</td> </tr> <tr> <td><b>b</b> Any related organization?</td> <td style="text-align: center;"><b>5b</b></td> <td style="text-align: center;">No</td> </tr> </table> If "Yes," on line 5a or 5b, describe in Part III.	<b>a</b> The organization?	<b>5a</b>	No	<b>b</b> Any related organization?	<b>5b</b>	No					
<b>a</b> The organization?	<b>5a</b>	No									
<b>b</b> Any related organization?	<b>5b</b>	No									
<b>6</b> For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of: <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"><b>a</b> The organization?</td> <td style="width:10%; text-align: center;"><b>6a</b></td> <td style="width:10%; text-align: center;">No</td> </tr> <tr> <td><b>b</b> Any related organization?</td> <td style="text-align: center;"><b>6b</b></td> <td style="text-align: center;">No</td> </tr> </table> If "Yes," on line 6a or 6b, describe in Part III.	<b>a</b> The organization?	<b>6a</b>	No	<b>b</b> Any related organization?	<b>6b</b>	No					
<b>a</b> The organization?	<b>6a</b>	No									
<b>b</b> Any related organization?	<b>6b</b>	No									
<b>7</b> For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described in lines 5 and 6? If "Yes," describe in Part III. <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"></td> <td style="width:10%; text-align: center;"><b>7</b></td> <td style="width:10%; text-align: center;">No</td> </tr> </table>		<b>7</b>	No								
	<b>7</b>	No									
<b>8</b> Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III. <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"></td> <td style="width:10%; text-align: center;"><b>8</b></td> <td style="width:10%; text-align: center;">No</td> </tr> </table>		<b>8</b>	No								
	<b>8</b>	No									
<b>9</b> If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)? <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:80%;"></td> <td style="width:10%; text-align: center;"><b>9</b></td> <td style="width:10%;"></td> </tr> </table>		<b>9</b>									
	<b>9</b>										

**Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees.** Use duplicate copies if additional space is needed.  
 For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii). Do not list any individuals that are not listed on Form 990, Part VII.

**Note.** The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

(A) Name and Title	(i)	(B) Breakdown of W-2, 1099-MISC compensation, and/or 1099-NEC			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
1 HALL JEFFREY EXECUTIVE DIRECTOR	(i)	200,833	0	0	10,600	26,711	238,144	0
	(ii)	0	0	0	0	0	0	0
2 KELLER CHRISTOPH DIRECTOR OF SCIENCE	(i)	169,086	0	0	9,100	32,401	210,587	0
	(ii)	0	0	0	0	0	0	0
3 HUNTER DEIDRE ASTRONOMER	(i)	173,571	0	0	8,684	15,397	197,652	0
	(ii)	0	0	0	0	0	0	0
4 MASSEY PHILIP ASTRONOMER	(i)	178,598	0	0	8,788	8,419	195,805	0
	(ii)	0	0	0	0	0	0	0
5 ACTOR ANN CHIEF PHILANTHROPY OFFICER	(i)	172,107	0	0	8,685	12,864	193,656	0
	(ii)	0	0	0	0	0	0	0
6 LABRUZZO ANNE CHIEF FINANCIAL OFFICER	(i)	162,474	0	0	8,528	22,316	193,318	0
	(ii)	0	0	0	0	0	0	0
7 BOSH AMANDA	(i)	161,680	0	0	8,443	21,801	191,924	0

CHIEF OPERATIONS OFFICER

	(ii)	0	0	0	0	0	0	0
8 LEVINE STEPHEN DIRECTOR OF EDUCATION	(i)	169,245	0	0	8,622	13,594	191,461	0
	(ii)	0	0	0	0	0	0	0
9 WEST MICHAEL ASTRONOMER	(i)	174,067	0	0	8,684	3,223	185,974	0
	(ii)	0	0	0	0	0	0	0
10 KUEHN KYLER DIRECTOR OF TECHNOLOGY	(i)	151,194	0	0	7,905	25,019	184,118	0
	(ii)	0	0	0	0	0	0	0
11 PRATO LISA ASTRONOMER	(i)	150,738	0	0	7,665	13,358	171,761	0
	(ii)	0	0	0	0	0	0	0
12 SAWYER DAVID TECHNICAL PROJECT MANAGER	(i)	148,887	0	0	7,046	13,828	169,761	0
	(ii)	0	0	0	0	0	0	0

Schedule J (Form 990) 2023

Schedule J (Form 990) 2023

**Part III Supplemental Information**

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II. Also complete this part for any additional information.

Return Reference	Explanation
------------------	-------------

Schedule J (Form 990) 2023

**Additional Data**

[Return to Form](#)

**Software ID:**  
Software Version:

SCHEDULE M (Form 990)

Noncash Contributions

OMB No. 1545-0047

2023

Open to Public Inspection

Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30. Attach to Form 990. Go to www.irs.gov/Form990 for the latest information.

Department of the Treasury Internal Revenue Service

Name of the organization LOWELL OBSERVATORY

Employer identification number 86-0098918

Part I Types of Property

Table with 4 columns: (a) Check if applicable, (b) Number of contributions or items contributed, (c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g, (d) Method of determining noncash contribution amounts. Row 9 shows 14 securities with a value of 690,503.

29 Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement 29

Table with 3 columns: Question (30a, 31, 32a, 33), Yes, No. 30a: No. 31: Yes. 32a: Yes.

For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Cat. No. 51227J

Schedule M (Form 990) (2023)

Schedule M (Form 990) (2023)

Part II Supplemental Information. Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

Table with 2 columns: Return Reference, Explanation. Row 1: PART I, COLUMN (B): THE AMOUNT IN COLUMN B REPRESENTS THE NUMBER OF INSTANCES THAT A DONATION OCCURRED. Row 2: PART I, LINE 32B: PUBLICLY TRADED SECURITIES ARE DEPOSITED INTO AN INVESTMENT ACCOUNT OWNED BY THE OBSERVATORY. THE SECURITIES ARE SOLD BY A BROKER SHORTLY AFTER.

**Additional Data**

[Return to Form](#)

**Software ID:**

**Software Version:**

**efile Public Visual Render**    **ObjectId: 202442299349301904 - Submission: 2024-08-16**    **TIN: 86-0098918**

**SCHEDULE O**  
**(Form 990)**

Department of the Treasury  
Internal Revenue Service

**Supplemental Information to Form 990 or 990-EZ**

**Complete to provide information for responses to specific questions on Form 990 or 990-EZ or to provide any additional information.**

**Attach to Form 990 or 990-EZ.**

**Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for the latest information.**

OMB No. 1545-0047

**2023**

**Open to Public Inspection**

Name of the organization  
LOWELL OBSERVATORY

**Employer identification number**

86-0098918

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 11B	THE FORM 990 DRAFT WILL BE FIRST REVIEWED BY THE CHIEF FINANCIAL OFFICER (CFO) FOR ACCURACY. ONCE IT HAS BEEN DEEMED ACCURATE BY THE CFO, IT WILL BE FORWARDED TO THE SOLE TRUSTEE, EXECUTIVE DIRECTOR AND AUDIT COMMITTEE FOR THEIR REVIEW AND COMMENTS. AFTER ANY QUESTIONS AND COMMENTS HAVE BEEN ADDRESSED, THE 990 WILL BE APPROVED AND A FINAL COPY WILL BE SIGNED AND FILED BY THE CFO.
FORM 990, PART VI, SECTION B, LINE 12C	THE ORGANIZATION CONDUCTS WEEKLY REVIEWS OF PAYABLES INCLUDING POTENTIAL CONFLICTS OF INTEREST AND FOLLOW-UP OCCURS TO ENFORCE COMPLIANCE WITH THE COMPANY POLICY.
FORM 990, PART VI, SECTION B, LINE 15A	COMPENSATION OF THE DIRECTOR FOR LOWELL OBSERVATORY IS DETERMINED BY THE SOLE TRUSTEE OF THE CORPORATION AFTER REVIEW OF INFORMATION PROVIDED BY THE HUMAN RESOURCE MANAGER AND MEMBERS OF THE ADVISORY BOARD AND LOWELL OBSERVATORY FOUNDATION WHO HAVE EXPERIENCE IN THE RESEARCH INDUSTRY OR COMPENSATION AT NON-PROFITS. THE HUMAN RESOURCE MANAGER REVIEWS THE TOTAL COMPENSATION OF THE DIRECTOR IN ACCORDANCE WITH REGULATIONS/GUIDELINES ESTABLISHED BY THE IRS AND INDUSTRY BEST PRACTICES. DATA REGARDING SALARIES OF OTHER DIRECTORS (CEOS) AT ORGANIZATIONS OF SIMILAR SIZE, INCLUDING BOTH NON-PROFIT AND FOR-PROFIT COMPANIES IS ALSO REVIEWED. THE SOLE TRUSTEE, WITH ADVICE FROM THE ADVISORY BOARD, ALSO ESTABLISHES GOALS AND OBJECTIVES FOR THE DIRECTOR AND EVALUATES THE PERFORMANCE OF THE DIRECTOR BASED ON THE PRIOR YEAR'S GOALS AND OBJECTIVES.
FORM 990, PART VI, SECTION C, LINE 19	WHEN REQUESTED, DOCUMENTS REGARDING THE OBSERVATORY ARE PROVIDED BY THE BUSINESS OFFICE. THE 990 AND AUDITED FINANCIAL STATEMENTS ARE AVAILABLE ON THE LOWELL OBSERVATORY WEBSITE. THE 990 IS ALSO AVAILABLE ON GUIDESTAR AND CHARITY NAVIGATOR.

For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990-EZ.

Cat. No. 51056K

Schedule O (Form 990) 2023

**Additional Data**

[Return to Form](#)

**Software ID:**

**Software Version:**

SCHEDULE R (Form 990)

Related Organizations and Unrelated Partnerships

Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37. Attach to Form 990. Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047 2023 Open to Public Inspection

Department of the Treasury Internal Revenue Service Name of the organization LOWELL OBSERVATORY

Employer identification number 86-0098918

Part I Identification of Disregarded Entities. Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

Table with 6 columns: (a) Name, address, and EIN of disregarded entity; (b) Primary activity; (c) Legal domicile; (d) Total income; (e) End-of-year assets; (f) Direct controlling entity.

Part II Identification of Related Tax-Exempt Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.

Table with 9 columns: (a) Name, address, and EIN of related organization; (b) Primary activity; (c) Legal domicile; (d) Exempt Code section; (e) Public charity status; (f) Direct controlling entity; (g) Section 512(b)(13) controlled entity? (Yes/No).

For Paperwork Reduction Act Notice, see the Instructions for Form 990. Cat. No. 50135Y Schedule R (Form 990) 2023

Part III Identification of Related Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related organizations treated as a partnership during the tax year.

Table with 11 columns: (a) Name, address, and EIN of related organization; (b) Primary activity; (c) Legal domicile; (d) Direct controlling entity; (e) Predominant income; (f) Share of total income; (g) Share of end-of-year assets; (h) Disproportionate allocations? (Yes/No); (i) Code V-UBI amount; (j) General or managing partner? (Yes/No); (k) Percentage ownership.

Part IV Identification of Related Organizations Taxable as a Corporation or Trust. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

Table with 9 columns: (a) Name, address, and EIN of related organization; (b) Primary activity; (c) Legal domicile; (d) Direct controlling entity; (e) Type of entity; (f) Share of total income; (g) Share of end-of-year assets; (h) Percentage ownership; (i) Section 512(b)(13) controlled entity? (Yes/No).

Table with 10 columns and 3 rows, mostly empty.

Part V Transactions With Related Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.

Note. Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.

1 During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

Table with 10 columns (a-s) and 2 columns (Yes/No) for various transaction types like interest, gifts, loans, dividends, etc.

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds.

Table with 4 columns: (a) Name of related organization, (b) Transaction type, (c) Amount involved, (d) Method of determining amount involved.

Part VI Unrelated Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

Table with 11 columns (a-k) and 2 sub-columns for (e) and (j) for unrelated organizations.


Schedule R (Form 990) 2023

Schedule R (Form 990) 2023

**Part VII Supplemental Information**

Provide additional information for responses to questions on Schedule R. See instructions.

Return Reference	Explanation
------------------	-------------

Schedule R (Form 990) 2023

**Additional Data**

[Return to Form](#)