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Form **990****Return of Organization Exempt From Income Tax**

OMB No. 1545-0047

2011**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 black lung benefit trust or private foundation)

▶ The organization may have to use a copy of this return to satisfy state reporting requirements.

A For the 2011 calendar year, or tax year beginning 01/01, 2011, and ending 12/31, 20 11

B Check if applicable:
☐ Address change
☐ Name change
☐ Initial 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) Room/suite
1400 W Mars Hill Road
 City or town, state or country, and ZIP + 4
Flagstaff, AZ 86001-4470

D Employer identification number
86-0098918

E Telephone number
928-774-3358

G Gross receipts \$ **11,863,704**

F Name and address of principal officer: **Jeffrey Hall**
1400 West Mars Hill Road, Flagstaff, AZ 86001

H(a) Is this a group return for affiliates? ☐ Yes ☒ No
H(b) Are all affiliates included? ☐ Yes ☒ No
 If "No," attach a list. (see instructions)

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

1 Briefly describe the organization's mission or most significant activities: **The mission of Lowell Observatory is to pursue the study of astronomy, especially the study of the solar system and its evolution; to conduct pure research in astronomical phenomena; and maintain quality public education and outreach programs to bring the results of astronomical outreach to the public.**

2 Check this box ☐ if the organization discontinued its operations or disposed of more than 25% of its net assets.

3 Number of voting members of the governing body (Part VI, line 1a) **3**

4 Number of independent voting members of the governing body (Part VI, line 1b) **4**

5 Total number of individuals employed in calendar year 2011 (Part V, line 2a) **109**

6 Total number of volunteers (estimate if necessary) **50**

7a Total unrelated business revenue from Part VIII, column (C), line 12 **0**

7b Net unrelated business taxable income from Form 990-T, line 34 **0**

	Prior Year	Current Year
8 Contributions and grants (Part VIII, line 1h)	5,260,696	6,411,760
9 Program service revenue (Part VIII, line 2g)	415,117	520,427
10 Investment income (Part VIII, column (A), lines 3, 4, and 7d)	25,200	-186,783
11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	361,491	393,083
12 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	6,062,504	7,138,487
13 Grants and similar amounts paid (Part IX, column (A), lines 1–3)	500	500
14 Benefits paid to or for members (Part IX, column (A), line 4)	0	0
15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)	3,463,811	3,706,790
16a Professional fundraising fees (Part IX, column (A), line 11e)	0	0
b Total fundraising expenses (Part IX, column (D), line 25) 727,957		
17 Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)	2,358,435	3,418,566
18 Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)	5,822,746	7,125,856
19 Revenue less expenses. Subtract line 18 from line 12	239,758	12,631
20 Total assets (Part X, line 16)	52,551,561	53,848,348
21 Total liabilities (Part X, line 26)	21,461,385	22,745,541
22 Net assets or fund balances Subtract line 21 from line 20	31,090,176	31,102,807

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: *Kay McConagha* Date: **9/7/2012**
 Type or print name and title: **Kay McConagha, DDO**

Paid Preparer Use Only
 Print/Type preparer's name: _____ Preparer's signature: _____ Date: _____
 Check ☐ if self-employed PTIN: _____
 Firm's name: _____ Firm's EIN: _____
 Firm's address: _____ Phone no: _____

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 (2011)

DO NOT CORRESPOND FOR SIGNATURE CIS CASE

G17 13 NE
048 015

SCANNED NOV 01 2012

Part III Statement of Program Service AccomplishmentsCheck if Schedule O contains a response to any question in this Part III ☐**1** Briefly describe the organization's mission:

The mission of Lowell Observatory is to pursue the study of astronomy, especially the study of the solar system and its evolution; to conduct pure research in astronomical phenomena; and to maintain quality public education and outreach programs to bring the results of astronomical research 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 and section 4947(a)(1) trusts 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 \$ 4,969,428 including grants of \$ 156,744) (Revenue \$ 239,668)

Conducting astronomical research: 71 Publications, 106 conference proceedings and abstracts. Research is funded primarily through government grants of \$3,917,410.

4b (Code:) (Expenses \$ 440,268 including grants of \$ 0) (Revenue \$ 641,479)

Educational programs related to astronomy. The visitor center and outreach programs served an estimated 75,130 visitors.

4c (Code:) (Expenses \$ including grants of \$) (Revenue \$)**4d** Other program services (Describe in Schedule O)

(Expenses \$ 0 including grants of \$ 0) (Revenue \$ 0)

4e Total program service expenses ▶ 5,409,694

Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Schedule A	☒	☐
2 Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)?	☒	☐
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I	☐	☒
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II	☐	☒
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III	☐	☒
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part I	☐	☒
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II	☐	☒
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III	☒	☐
9 Did the organization report an amount in Part X, line 21; serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV	☐	☒
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? If "Yes," complete Schedule D, Part V	☒	☐
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI	☒	☐
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII	☒	☐
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII	☐	☒
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX	☐	☒
e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X	☐	☒
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X	☐	☒
12a Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI, XII, and XIII	☐	☒
b Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI, XII, and XIII is optional	☒	☐
13 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E	☐	☒
14a Did the organization maintain an office, employees, or agents outside of the United States?	☐	☒
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV	☐	☒
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or assistance to any organization or entity located outside the United States? If "Yes," complete Schedule F, Parts II and IV	☐	☒
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or assistance to individuals located outside the United States? If "Yes," complete Schedule F, Parts III and IV	☐	☒
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions)	☐	☒
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II	☐	☒
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III	☐	☒
20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H	☐	☒
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?	☐	☐

Part IV Checklist of Required Schedules (continued)

	Yes	No
21 Did the organization report more than \$5,000 of grants and other assistance to any government or organization in the United States on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II	☐	☒
22 Did the organization report more than \$5,000 of grants and other assistance to individuals in the United States on Part IX, column (A), line 2? If "Yes," complete Schedule I, Parts I and III	☐	☒
23 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? If "Yes," complete Schedule J	☐	☒
24a 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? If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25	☐	☒
24b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	☐	☐
24c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?	☐	☐
24d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	☐	☐
25a Section 501(c)(3) and 501(c)(4) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? If "Yes," complete Schedule L, Part I	☐	☒
25b 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? If "Yes," complete Schedule L, Part I	☐	☒
26 Was a loan to or by a current or former officer, director, trustee, key employee, highly compensated employee, or disqualified person outstanding as of the end of the organization's tax year? If "Yes," complete Schedule L, Part II	☐	☒
27 Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? If "Yes," complete Schedule L, Part III	☐	☒
28 Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):	☐	☐
a A current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L, Part IV	☐	☒
b A family member of a current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L, Part IV	☐	☒
c An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? If "Yes," complete Schedule L, Part IV	☐	☒
29 Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M	☒	☐
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? If "Yes," complete Schedule M	☒	☐
31 Did the organization liquidate, terminate, or dissolve and cease operations? If "Yes," complete Schedule N, Part I	☐	☒
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? If "Yes," complete Schedule N, Part II	☐	☒
33 Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? If "Yes," complete Schedule R, Part I	☐	☒
34 Was the organization related to any tax-exempt or taxable entity? If "Yes," complete Schedule R, Parts II, III, IV, and V, line 1	☒	☐
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?	☐	☒
35b Did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? If "Yes," complete Schedule R, Part V, line 2	☐	☒
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? If "Yes," complete Schedule R, Part V, line 2	☒	☐
37 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? If "Yes," complete Schedule R, Part VI	☐	☒
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11 and 19? Note. All Form 990 filers are required to complete Schedule O	☒	☐

Part V Statements Regarding Other IRS Filings and Tax ComplianceCheck if Schedule O contains a response to any question in this Part V ☐

		Yes	No
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable	35	
1b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable	0	
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?		
2a	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	109	
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns?		
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?		
b	If "Yes," has it filed a Form 990-T for this year? If "No," provide an explanation in Schedule O		
4a	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	If "Yes," enter the name of the foreign country: See instructions for filing requirements for Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts.		
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?		
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		
c	If "Yes" to line 5a or 5b, did the organization file Form 8886-T?		
6a	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?		
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		
7	Organizations that may receive deductible contributions under section 170(c).		
a	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	If "Yes," did the organization notify the donor of the value of the goods or services provided?		
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		
d	If "Yes," indicate the number of Forms 8282 filed during the year	7d	
e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		
g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		
h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		
8	Sponsoring organizations maintaining donor advised funds and section 509(a)(3) supporting organizations. Did the supporting organization, or a donor advised fund maintained by a sponsoring organization, have excess business holdings at any time during the year?		
9	Sponsoring organizations maintaining donor advised funds.		
a	Did the organization make any taxable distributions under section 4966?		
b	Did the organization make a distribution to a donor, donor advisor, or related person?		
10	Section 501(c)(7) organizations. Enter:		
a	Initiation fees and capital contributions included on Part VIII, line 12	10a	
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	10b	
11	Section 501(c)(12) organizations. Enter:		
a	Gross income from members or shareholders	11a	
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)	11b	
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?		
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year	12b	
13	Section 501(c)(29) qualified nonprofit health insurance issuers.		
a	Is the organization licensed to issue qualified health plans in more than one state?		
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	13b	
c	Enter the amount of reserves on hand	13c	
14a	Did the organization receive any payments for indoor tanning services during the tax year?		
b	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O		

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

Section A. Governing Body and Management

	Yes	No
1a Enter the number of voting members of the governing body at the end of the tax year	1a 1	
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	1b 1	
2 Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2 ☒	
3 Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, or trustees, or key employees to a management company or other person?	3	☒
4 Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?	4	☒
5 Did the organization become aware during the year of a significant diversion of the organization's assets?	5	☒
6 Did the organization have members or stockholders?	6	☒
7a Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	7a	☒
b Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	7b	☒
8 Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:		
a The governing body?	8a	☒
b Each committee with authority to act on behalf of the governing body?	8b	☒
9 Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O	9	☒

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

	Yes	No
10a Did the organization have local chapters, branches, or affiliates?	10a	☒
b If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?	10b	
11a Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	11a ☒	
b Describe in Schedule O the process, if any, used by the organization to review this Form 990.		
12a Did the organization have a written conflict of interest policy? If "No," go to line 13	12a ☒	
b Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b ☒	
c Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	12c ☒	
13 Did the organization have a written whistleblower policy?	13 ☒	
14 Did the organization have a written document retention and destruction policy?	14 ☒	
15 Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?		
a The organization's CEO, Executive Director, or top management official	15a	☒
b Other officers or key employees of the organization	15b	☒
If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).		
16a Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	16a	☒
b If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?	16b	

Section C. Disclosure

- 17** List the states with which a copy of this Form 990 is required to be filed ► **AZ**
- 18** Section 6104 requires an organization to make its Forms 1023 (or 1024 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.
☐ Own website ☐ Another's website ☒ Upon request
- 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, physical address, and telephone number of the person who possesses the books and records of the organization: ► **Kay Lenore McConagha CPA, (928)774-3358**

Lowell Observatory, 1400 W Mars Hill Road, Flagstaff, AZ 86001-4470

Form 990 (2011)

048015

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent ContractorsCheck if Schedule O contains a response to any question 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 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 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
 - List all of the organization's **former** officers, key employees, and 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.
- List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

☐ 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 (describe hours for related organizations in Schedule O)	(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)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(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			
William L. Putnam Trustee	0	✓						0	0	0
Jeffrey C. Hall Director	40	✓						109,436	0	11,549
Charles Wendt Deputy Director for Advancement	40			✓				130,251	0	6,998
Deidre Hunter Deputy Director for Science	40			✓				100,397	0	6,998
Stephen Levine Deputy Director for Technology	40			✓				111,632	0	7,621
Kay McConagha Deputy Director for Operations	40			✓				1,539	0	0
W. Lowell Putnam Trust Administrator	5				✓			2,096	0	5,298
Edward Dunham Instrument Scientist	40					✓		126,044	0	11,554
William T. DeGroff DCT Project Engineer	40					✓		110,564	0	10,905
David Schleicher Astronomer	40					✓		105,194	0	10,728
Philip Massey Astronomer	40					✓		107,326	0	10,688
Alex Venetiou DCT Senior Electrical Engineer	40					✓		100,772	0	10,448

[illegible]

1b Sub-total	1,005,251	0	92,787
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c Total from continuation sheets to Part VII, Section A			
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d Total (add lines 1b and 1c)	1,005,251	0	92,787
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2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization ▶ 9

3 Did the organization list any **former** officer, director, or trustee, key employee, or highest compensated employee on line 1a? If "Yes," complete Schedule J for such individual

4 For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? If "Yes," complete Schedule J for such individual.

5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? If "Yes," complete Schedule J for such person

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year.

(A) Name and business address	(B) Description of services	(C) Compensation
See Schedule O, Statement 2		
2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization ▶		

Form 990 (2011)

Part VIII Statement of Revenue

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512, 513, or 514
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns	1a 0				
	b	Membership dues	1b 0				
	c	Fundraising events	1c 0				
	d	Related organizations	1d 470,000				
	e	Government grants (contributions)	1e 3,917,410				
	f	All other contributions, gifts, grants, and similar amounts not included above	1f 2,024,350				
	g	Noncash contributions included in lines 1a-1f: \$	69,807				
	h	Total. Add lines 1a-1f		6,411,760			
Program Service Revenue				Business Code			
	2a	Sponsor Educational programs	611600	520,427	520,427	0	0
	b						
	c						
	d						
	e						
	f	All other program service revenue		0	0	0	0
	g	Total. Add lines 2a-2f		520,427			
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts)		100,414	0	0	100,414
	4	Income from investment of tax-exempt bond proceeds		0	0	0	0
	5	Royalties		0	0	0	0
	6a	Gross rents	(i) Real (ii) Personal				
		b	Less: rental expenses				
	c	Rental income or (loss)	0 0				
	d	Net rental income or (loss)					
	7a	Gross amount from sales of assets other than inventory	(i) Securities (ii) Other	4,269,466 0			
		b	Less: cost or other basis and sales expenses	4,556,663 0			
	c	Gain or (loss)	-287,197 0				
	d	Net gain or (loss)		-287,197	0	0	-287,197
	8a	Gross income from fundraising events (not including \$ 0 of contributions reported on line 1c). See Part IV, line 18	a				
		b	Less: direct expenses				
		c	Net income or (loss) from fundraising events				
	9a	Gross income from gaming activities. See Part IV, line 19	a				
		b	Less: direct expenses				
		c	Net income or (loss) from gaming activities				
	10a	Gross sales of inventory, less returns and allowances	a	289,606			
		b	Less: cost of goods sold	168,554			
		c	Net income or (loss) from sales of inventory		121,052	121,052	0
Miscellaneous Revenue			Business Code				
11a	Telescope Access Fees	541700	239,668	239,668	0	0	
b	Miscellaneous	900099	32,363	0	0	32,363	
c							
d	All other revenue		0	0	0	0	
e	Total. Add lines 11a-11d		272,031				
12	Total revenue. See instructions		7,138,487	881,147	0	-154,420	

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) but are not required to complete columns (B), (C), and (D).

Check if Schedule O contains a response to any question 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
1 Grants and other assistance to governments and organizations in the United States. See Part IV, line 21	0	0		
2 Grants and other assistance to individuals in the United States. See Part IV, line 22	500	500		
3 Grants and other assistance to governments, organizations, and individuals outside the United States. See Part IV, lines 15 and 16	0	0		
4 Benefits paid to or for members	0	0		
5 Compensation of current officers, directors, trustees, and key employees	1,058,014	743,825	246,189	68,000
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0	0	0	0
7 Other salaries and wages	2,002,362	1,491,597	182,073	328,692
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	128,154	100,073	16,309	11,772
9 Other employee benefits	301,219	221,619	47,374	32,226
10 Payroll taxes	217,041	162,311	29,002	25,728
11 Fees for services (non-employees)				
a Management	0	0	0	0
b Legal	23,139	6,534	16,605	0
c Accounting	32,400	0	32,400	0
d Lobbying	0	0	0	0
e Professional fundraising services. See Part IV, line 17	0			0
f Investment management fees	2,514	0	2,514	0
g Other	243,808	148,265	65,249	30,294
12 Advertising and promotion	131,592	30,623	2,240	98,729
13 Office expenses	209,000	76,094	88,130	44,776
14 Information technology	178,260	70,636	92,319	15,305
15 Royalties	0	0	0	0
16 Occupancy	269,908	237,105	26,032	6,771
17 Travel	219,712	165,511	39,872	14,329
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0	0	0	0
19 Conferences, conventions, and meetings	44,329	26,130	14,681	3,518
20 Interest	0	0	0	0
21 Payments to affiliates	0	0	0	0
22 Depreciation, depletion, and amortization	1,647,940	1,578,303	50,879	18,758
23 Insurance	40,090	20,672	15,344	4,074
24 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.)				
a Miscellaneous	69,335	29,214	16,207	23,914
b Parts, Repairs and Maintenance	149,795	143,938	4,786	1,071
c Subcontracts	156,744	156,744	0	0
d				
e All other expenses				
25 Total functional expenses. Add lines 1 through 24e	7,125,856	5,409,694	988,205	727,957
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here ☐ if following SOP 98-2 (ASC 958-720)				

Part X Balance Sheet

		(A) Beginning of year		(B) End of year
Assets	1 Cash—non-interest-bearing	2,375	1	1,175
	2 Savings and temporary cash investments	958,777	2	821,975
	3 Pledges and grants receivable, net	2,319,382	3	1,859,275
	4 Accounts receivable, net		4	
	5 Receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L		5	
	6 Receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions)		6	
	7 Notes and loans receivable, net		7	
	8 Inventories for sale or use	87,149	8	80,905
	9 Prepaid expenses and deferred charges	237,752	9	140,936
	10a Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a 55,129,149		
	b Less: accumulated depreciation	10b 8,863,672	10c 42,638,263	46,265,477
	11 Investments—publicly traded securities	95,379	11	84,716
	12 Investments—other securities. See Part IV, line 11	5,631,297	12	4,242,779
	13 Investments—program-related. See Part IV, line 11		13	
	14 Intangible assets		14	
	15 Other assets. See Part IV, line 11	581,187	15	351,110
16 Total assets. Add lines 1 through 15 (must equal line 34)	52,551,561	16	53,848,348	
Liabilities	17 Accounts payable and accrued expenses	592,759	17	570,832
	18 Grants payable		18	
	19 Deferred revenue	432,040	19	1,755,337
	20 Tax-exempt bond liabilities		20	
	21 Escrow or custodial account liability. Complete Part IV of Schedule D		21	
	22 Payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L		22	
	23 Secured mortgages and notes payable to unrelated third parties	20,436,588	23	20,419,372
	24 Unsecured notes and loans payable to unrelated third parties		24	
	25 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		25	0
	26 Total liabilities. Add lines 17 through 25	21,461,385	26	22,745,541
Net Assets or Fund Balances	Organizations that follow SFAS 117, check here ☒ and complete lines 27 through 29, and lines 33 and 34.			
	27 Unrestricted net assets	30,808,296	27	29,705,507
	28 Temporarily restricted net assets	218,752	28	1,334,172
	29 Permanently restricted net assets	63,128	29	63,128
	Organizations that do not follow SFAS 117, check here ☐ and complete lines 30 through 34.			
	30 Capital stock or trust principal, or current funds		30	
	31 Paid-in or capital surplus, or land, building, or equipment fund		31	
	32 Retained earnings, endowment, accumulated income, or other funds		32	
	33 Total net assets or fund balances.	31,090,176	33	31,102,807
	34 Total liabilities and net assets/fund balances.	52,551,561	34	53,848,348

Part XI Reconciliation of Net AssetsCheck if Schedule O contains a response to any question in this Part XI ☐

1	Total revenue (must equal Part VIII, column (A), line 12)	1	7,138,487
2	Total expenses (must equal Part IX, column (A), line 25)	2	7,125,856
3	Revenue less expenses. Subtract line 2 from line 1	3	12,631
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	31,090,178
5	Other changes in net assets or fund balances (explain in Schedule O)	5	0
6	Net assets or fund balances at end of year. Combine lines 3, 4, and 5 (must equal Part X, line 33, column (B))	6	31,102,807

Part XII Financial Statements and ReportingCheck if Schedule O contains a response to any question in this Part XII ☐

	Yes	No
1 Accounting method used to prepare the Form 990: ☐ Cash ☒ Accrual ☐ Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.		
2a Were the organization's financial statements compiled or reviewed by an independent accountant?		✓
b Were the organization's financial statements audited by an independent accountant?	✓	
c 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.	✓	
d If "Yes" to line 2a or 2b, check a box below to indicate whether the financial statements for the year were issued on a separate basis, consolidated basis, or both. ☐ Separate basis ☒ Consolidated basis ☐ Both consolidated and separate basis		
3a As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	✓	
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	✓	

Form **990** (2011)

SCHEDULE A
(Form 990 or 990-EZ)

Public Charity Status and Public Support

OMB No. 1545-0047

2011

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

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. ▶ See separate instructions.

Name of the organization

LOWELL OBSERVATORY

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 11, 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). (Attach Schedule E.)
- 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). Enter the hospital's name, city, and state: _____
- 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). (Complete Part II.)
- 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). (Complete Part II.)
- 8 ☐ A community trust described in section 170(b)(1)(A)(vi). (Complete Part II.)
- 9 ☐ 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—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975. See section 509(a)(2). (Complete Part III.)
- 10 ☐ An organization organized and operated exclusively to test for public safety. See section 509(a)(4).
- 11 ☐ 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 described in section 509(a)(1) or section 509(a)(2). See section 509(a)(3). Check the box that describes the type of supporting organization and complete lines 11e through 11h.
 - a ☐ Type I b ☐ Type II c ☐ Type III—Functionally integrated d ☐ Type III—Other
 - e ☐ By checking this box, I certify that the organization is not controlled directly or indirectly by one or more disqualified persons other than foundation managers and other than one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2).
 - f If the organization received a written determination from the IRS that it is a Type I, Type II, or Type III supporting organization, check this box ☐
 - g Since August 17, 2006, has the organization accepted any gift or contribution from any of the following persons?

	Yes	No
(i) A person who directly or indirectly controls, either alone or together with persons described in (ii) and (iii) below, the governing body of the supported organization?	11g(i)	
(ii) A family member of a person described in (i) above?	11g(ii)	
(iii) A 35% controlled entity of a person described in (i) or (ii) above?	11g(iii)	
 - h Provide the following information about the supported organization(s).

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1–9 above or IRC section (see Instructions))	(iv) Is the organization in col (i) listed in your governing document?		(v) Did you notify the organization in col (i) of your support?		(vi) Is the organization in col (i) organized in the U.S.?		(vii) Amount of support
			Yes	No	Yes	No	Yes	No	
(A)									
(B)									
(C)									
(D)									
(E)									
Total									

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

Cat. No. 11285F

Schedule A (Form 990 or 990-EZ) 2011

048 015

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 fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ►	(a) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	9,441,036	6,362,543	13,665,852	5,373,189	6,583,239	41,425,859
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge	100,000	100,000	100,000	100,000	100,000	500,000
4 Total. Add lines 1 through 3	9,541,036	6,462,543	13,765,852	5,473,189	6,683,239	41,925,859
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)						0
6 Public support. Subtract line 5 from line 4.						41,925,859

Section B. Total Support

Calendar year (or fiscal year beginning in) ►	(a) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(f) Total
7 Amounts from line 4	9,541,036	6,462,543	13,765,852	5,473,189	6,683,239	41,925,859
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	130,309	91,911	19,388	20,329	100,414	362,351
9 Net income from unrelated business activities, whether or not the business is regularly carried on	0	0	0	0	0	0
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part IV)	183,333	100,650	268,928	264,025	272,031	1,088,967
11 Total support. Add lines 7 through 10						43,377,177
12 Gross receipts from related activities, etc. (see instructions)					12	0
13 First five 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

14 Public support percentage for 2011 (line 6, column (f) divided by line 11, column (f))	14	96.65 %
15 Public support percentage from 2010 Schedule A, Part II, line 14	15	61.7 %
16a 33 1/3% support test—2011. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization	☒	
b 33 1/3% support test—2010. 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 stop here. The organization qualifies as a publicly supported organization	☐	
17a 10%-facts-and-circumstances test—2011. 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 stop here. Explain in Part IV how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization	☐	
b 10%-facts-and-circumstances test—2010. 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 stop here. Explain in Part IV how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization	☐	
18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions	☐	

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

(Complete only if you checked the box on line 9 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) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(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 Total. 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 Public support. (Subtract line 7c from line 6.)						

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(f) Total
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 in 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 IV.)						
13 Total support. (Add lines 9, 10c, 11, and 12.)						
14 First five 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

15 Public support percentage for 2011 (line 8, column (f) divided by line 13, column (f))	15	%
16 Public support percentage from 2010 Schedule A, Part III, line 15	16	%

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2011 (line 10c, column (f) divided by line 13, column (f))	17	%
18 Investment income percentage from 2010 Schedule A, Part III, line 17	18	%
19a 33 1/3% support tests—2011. 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—2010. 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 ☐		

Part IV **Supplemental Information.** Complete this part to provide the explanations required by Part II, line 10; Part II, line 17a or 17b; and Part III, line 12. Also complete this part for any additional information. (See instructions).

General Explanation - Part II, Line 10 Other Income - Revenue primarily to cover expenses for telescope use by astronomers from other organizations.

Area with horizontal dashed lines for supplemental information.

**SCHEDULE D
(Form 990)**

Department of the Treasury
Internal Revenue Service
Name of the organization

Supplemental Financial Statements

▶ Complete if the organization answered "Yes," to Form 990,
Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
▶ Attach to Form 990. ▶ See separate instructions.

OMB No 1545-0047

2011

Open to Public
Inspection

LOWELL OBSERVATORY

Employer identification number

86-0098918

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

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate contributions to (during year)		
3 Aggregate grants from (during year)		
4 Aggregate value at end of year		
5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?		☐ Yes ☐ No
6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?		☐ Yes ☐ No

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

1 Purpose(s) of conservation easements held by the organization (check all that apply).
☐ Preservation of land for public use (e.g., recreation or education) ☐ Preservation of an historically important land area
☐ Protection of natural habitat ☐ Preservation of a certified historic structure
☐ Preservation of open space

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year.

	Held at the End of the Tax Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2d

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶

4 Number of states where property subject to conservation easement is located ▶

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? ☐ Yes ☐ No

6 Staff and volunteer hours devoted to monitoring, inspecting, and enforcing conservation easements during the year ▶

7 Amount of expenses incurred in monitoring, inspecting, and enforcing conservation easements during the year ▶ \$

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B) (i) and section 170(h)(4)(B)(ii)? ☐ Yes ☐ No

9 In Part XIV, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements.

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

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIV, the text of the footnote to its financial statements that describes these items.

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items:

(i) Revenues included in Form 990, Part VIII, line 1 ▶ \$ 0

(ii) Assets included in Form 990, Part X ▶ \$ 400,000

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items:

a Revenues included in Form 990, Part VIII, line 1 ▶ \$ 0

b Assets included in Form 990, Part X ▶ \$ 0

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

3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply):

a ☒ Public exhibition

b ☐ Scholarly research

c ☐ Preservation for future generations

d ☐ Loan or exchange programs

e ☐ Other

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

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" to 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

b If "Yes," explain the arrangement in Part XIV and complete the following table.

c Beginning balance

d Additions during the year

e Distributions during the year

f Ending balance

	Amount
1c	
1d	
1e	
1f	

2a Did the organization include an amount on Form 990, Part X, line 21? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIV.

Part V Endowment Funds. Complete if the organization answered "Yes" to Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance	95,378	91,356	76,214	101,400	
b Contributions	0	0	0	0	
c Net investment earnings, gains, and losses	-10,663	11,100	15,142	-21,388	
d Grants or scholarships	0	7,078	0	3,798	
e Other expenditures for facilities and programs	0	0	0	0	
f Administrative expenses	0	0	0	0	
g End of year balance	84,715	95,378	91,356	76,214	

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

a Board designated or quasi-endowment ☐ 0 %

b Permanent endowment ☐ 66 %

c Temporarily restricted endowment ☐ 34 %

The percentages in 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
3a(i)		☒
3a(ii)		☒
3b		

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

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

Part VI Land, Buildings, and Equipment. 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
1a Land	0	670,434		670,434
b Buildings	0	12,161,307	4,217,328	7,943,979
c Leasehold improvements	0	0	0	0
d Equipment	0	7,617,588	4,646,344	2,971,244
e Other	0	34,679,820	0	34,679,820
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10(c).)				46,265,477

Part VII Investments—Other Securities. 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
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other Other Securities	4,242,779	End-of-Year Market Value
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
(I)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.) ▶	4,242,779	

Part VIII Investments—Program Related. See Form 990, Part X, line 13.

(a) Description of investment type	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 13.) ▶		

Part IX Other Assets. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 15.) ▶	

Part X Other Liabilities. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.) ▶	

2. FIN 48 (ASC 740) Footnote. In Part XIV, 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)

Part XI Reconciliation of Change in Net Assets from Form 990 to Audited Financial Statements

1	Total revenue (Form 990, Part VIII, column (A), line 12)	1	
2	Total expenses (Form 990, Part IX, column (A), line 25)	2	
3	Excess or (deficit) for the year Subtract line 2 from line 1	3	
4	Net unrealized gains (losses) on investments	4	
5	Donated services and use of facilities	5	
6	Investment expenses	6	
7	Prior period adjustments	7	
8	Other (Describe in Part XIV.)	8	
9	Total adjustments (net) Add lines 4 through 8	9	
10	Excess or (deficit) for the year per audited financial statements. Combine lines 3 and 9	10	

Part XII Reconciliation of Revenue per Audited Financial Statements With Revenue per Return

1	Total revenue, gains, and other support per audited financial statements	1	
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains on investments	2a	
b	Donated services and use of facilities	2b	
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIV.)	2d	
e	Add lines 2a through 2d	2e	
3	Subtract line 2e from line 1	3	
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	
b	Other (Describe in Part XIV.)	4b	
c	Add lines 4a and 4b	4c	
5	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)	5	

Part XIII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return

1	Total expenses and losses per audited financial statements	1	
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:		
a	Donated services and use of facilities	2a	
b	Prior year adjustments	2b	
c	Other losses	2c	
d	Other (Describe in Part XIV.)	2d	
e	Add lines 2a through 2d	2e	
3	Subtract line 2e from line 1	3	
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	
b	Other (Describe in Part XIV.)	4b	
c	Add lines 4a and 4b	4c	
5	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)	5	

Part XIV Supplemental Information

Complete this part to 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, line 6; Part XII, lines 2d and 4b; and Part XIII, lines 2d and 4b. Also complete this part to provide any additional information.

Schedule D, Part III, Line 4 - The collection item consists of a vintage car which was donated to the Observatory by the sole trustee during 2002. The car was capitalized based on its appraised value at the date of the unrestricted contribution.

Schedule D, Part V, Line 4 - The endowment is used to fund summer internships for the Public Program.

SCHEDULE M
(Form 990)

Noncash Contributions

OMB No 1545-0047

2011

**Open To Public
Inspection**

Department of the Treasury
Internal Revenue Service
Name of the organization

► Complete if the organizations answered "Yes" on Form
990, Part IV, lines 29 or 30.
► Attach to Form 990.

Employer identification number
86-0098918

LOWELL OBSERVATORY

Part I. Types of Property

	(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
1 Art—Works of art				
2 Art—Historical treasures				
3 Art—Fractional interests				
4 Books and publications				
5 Clothing and household goods				
6 Cars and other vehicles	✓	2	65,232	FMV
7 Boats and planes				
8 Intellectual property				
9 Securities—Publicly traded				
10 Securities—Closely held stock				
11 Securities—Partnership, LLC, or trust interests				
12 Securities—Miscellaneous				
13 Qualified conservation contribution—Historic structures				
14 Qualified conservation contribution—Other				
15 Real estate—Residential				
16 Real estate—Commercial				
17 Real estate—Other				
18 Collectibles				
19 Food inventory				
20 Drugs and medical supplies				
21 Taxidermy				
22 Historical artifacts				
23 Scientific specimens				
24 Archeological artifacts				
25 Other ► (Miscellaneous)	✓	11	4,575	FMV
26 Other ► ()				
27 Other ► ()				
28 Other ► ()				

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** **2**

	Yes	No
30a During the year, did the organization receive by contribution any property reported in Part I, lines 1–28 that it must hold for at least three years from the date of the initial contribution, and which is not required to be used for exempt purposes for the entire holding period?		✓
b If "Yes," describe the arrangement in Part II		
31 Does the organization have a gift acceptance policy that requires the review of any non-standard contributions?		✓
32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?		✓
b If "Yes," describe in Part II		
33 If the organization did not report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II.		

SCHEDULE O
(Form 990 or 990-EZ)

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.

OMB No 1545-0047

2011

**Open to Public
Inspection**

Name of the organization

LOWELL OBSERVATORY

Employer identification number

86-0098918

Form 990, Part VI, Section A, Line 1a - Under the terms of the will of Percival Lowell, the Observatory is governed by a sole trustee.

Form 990, Part VI, Section A, Line 2 - The sole Trustee is the parent of the Trust Administrator.

Form 990, Part VI, Section A, Line 8a - No meetings held or actions undertaken in 2011.

Form 990, Part VI, Section A, Line 8b - No meetings held or actions undertaken in 2011.

Form 990, Part VI, Section B, Line 11b - A copy of Form 990 is provided to the governing Board.

Form 990, Part VI, Section B, Line 12c - Weekly review of payables includes consideration of potential conflicts of interest and follow up occurs to enforce compliance with the company policy.

Form 990, Part VI, Section C, Line 19 - Upon request to the Deputy Director for Operations, the form 990, governing documents, conflict of interest policy and financial statements are made available to the public. A summary of the consolidated financial statements is published annually in an Annual Report and mailed to donors.

Schedule O, Statement 1

Form 990

Page 1

Line Number:

LOWELL OBSERVATORY

86-0098918

Reasonable Cause Explanation:

Contractor Compensation

Name and address.	Description Of Services	Compensation
BNY Mellon Bank Church Street Station PO Box 11211 New York, NY 10286	Investment and loan services	704,022
Blue Cross Blue Shield PO Box 81049 Phoenix, AZ 85069	Insurance services	433,763
General Dynamics SATCOM Technologies 1219 Digital Drive Richardson, TX 75081	Telescope mount, design and fabrication	419,307
L3 Communications Corp - Brashear 615 Epsilon Pennsylvania, PA 15238	Figure, polish, test secondary mirror	393,158
CNA Insurance Dept LA 21245 Pasadena, CA 91185	Insurance	122,723
Total.		2,072,973

SCHEDULE R
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization

LOWELL OBSERVATORY

Related Organizations and Unrelated Partnerships

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 33, 34, 35, 36, or 37.
▶ Attach to Form 990. ▶ See separate instructions.

OMB No. 1545-0047

2011

Open to Public Inspection

Employer identification number
86-0098918

Part III Identification of Disregarded Entities (Complete if the organization answered "Yes" to Form 990, Part IV, line 33.)

(a) Name, address, and EIN of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					

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

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity?
(1) Percival Lowell Trust UW (04-2007327) 1400 W Mars Hill Road, Flagstaff, AZ 86001-4470	Trust F/B/O Lowell Observatory	AZ	4947(a)(1)		N/A	Yes No
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						

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

Cat. No. 50135Y

Schedule R (Form 990) 2011

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

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Proportionate income (related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of- year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	
(1)												
(2)												
(3)												
(4)												
(5)												
(6)												
(7)												

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

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							

Part V**Transactions With Related Organizations** (Complete if the organization answered "Yes" to Form 990, Part IV, line 34, 35, 35a, 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?		Yes	No
a Receipt of (i) interest (ii) annuities (iii) royalties or (iv) rent from a controlled entity			✓
b Gift, grant, or capital contribution to related organization(s)			✓
c Gift, grant, or capital contribution from related organization(s)			✓
d Loans or loan guarantees to or for related organization(s)			✓
e Loans or loan guarantees by related organization(s)		✓	
f Sale of assets to related organization(s)			✓
g Purchase of assets from related organization(s)			✓
h Exchange of assets with related organization(s)		✓	
i Lease of facilities, equipment, or other assets to related organization(s)			✓
j Lease of facilities, equipment, or other assets from related organization(s)			✓
k Performance of services or membership or fundraising solicitations for related organization(s)			✓
l Performance of services or membership or fundraising solicitations by related organization(s)			✓
m Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)			✓
n Sharing of paid employees with related organization(s)			✓
o Reimbursement paid to related organization(s) for expenses			✓
p Reimbursement paid by related organization(s) for expenses		✓	
q Other transfer of cash or property to related organization(s)			✓
r Other transfer of cash or property from related organization(s)			✓

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.

(a) Name of other organization	(b) Transaction type (a-f)	(c) Amount involved	(d) Method of determining amount involved
See Schedule R, Part VII, Statement 1			
(1)			
(2)			
(3)			
(4)			
(5)			
(6)			

Schedule R (Form 990) 2011

Part III Unrelated Organizations Taxable as a Partnership (Complete if the organization answered "Yes" to 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.

(a) Name, address, and EIN of entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Predominant income (related, unrelated, excluded from tax under section 512-514)	(e) Are all partners section 501(c)(3) organizations?		(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
				Yes	No			Yes	No		Yes	No	
(1)													
(2)													
(3)													
(4)													
(5)													
(6)													
(7)													
(8)													
(9)													
(10)													
(11)													
(12)													
(13)													
(14)													
(15)													
(16)													

Description of Covered Relationships and Transaction Thresholds

		Amount Involved
Name	Percival Lowell Trust UW	20,400,000
Transaction type	e	
Method of determining amount involved	Amount of indebtedness is \$20,400,000, collateralized by the Trust of Percival Lowell assets.	
Name	Percival Lowell Trust UW	470,000
Transaction type	r	
Method of determining amount involved	The Trust granted to Lowell Observatory \$470,000 for general operations	