

Form 990-PF

Department of the Treasury  
Internal Revenue Service

## Return of Private Foundation

or Section 4947(a)(1) Trust Treated as Private Foundation

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

Information about Form 990-PF and its separate instructions is at [www.irs.gov/form990pf](http://www.irs.gov/form990pf).

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OMB No. 1545-0052

2016

Open to Public Inspection

For calendar year 2016 or tax year beginning

, and ending

Name of foundation

INTERNATIONAL LUNAR OBSERVATORY ASSOC.

A Employer identification number

68-0659724

Number and street (or P O box number if mail is not delivered to street address)

65-1230 MAMALAHOA HWY, D-20

Room/suite

B Telephone number

808-885-3474

City or town, state or province, country, and ZIP or foreign postal code

KAMUELA, HI 96743

C If exemption application is pending, check here ☐D 1. Foreign organizations, check here ☐2. Foreign organizations meeting the 85% test, check here and attach computation ☐E If private foundation status was terminated under section 507(b)(1)(A), check here ☐F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ☐

G Check all that apply:

☐ Initial return☐ Initial return of a former public charity☐ Final return☐ Amended return☐ Address change☐ Name change

H Check type of organization:

☒ Section 501(c)(3) exempt private foundation☐ Section 4947(a)(1) nonexempt charitable trust☐ Other taxable private foundation

I Fair market value of all assets at end of year

(from Part II, col (c), line 16)

\$ 3,147,946.

J Accounting method:

☒ Cash☐ Accrual☐ Other (specify)

(Part I, column (d) must be on cash basis)

## Part I Analysis of Revenue and Expenses

(The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a).)

(a) Revenue and expenses per books

(b) Net investment income

(c) Adjusted net income

(d) Disbursements for charitable purposes (cash basis only)

1 Contributions, gifts, grants, etc., received

690,016.

2 Check ☐ if the foundation is not required

3 Interest on savings and temporary cash investments

31.

31.

31.

STATEMENT 1

4 Dividends and interest from securities

5a Gross rents

b Net rental income or (loss)

6a Net gain or (loss) from sale of assets not on line 10

b Gross sales price for all assets on line 6a

7 Capital gain net income (from Part IV, line 2)

0.

8 Net short-term capital gain

0.

9 Income modifications

10a Gross sales less return and allowances

b Less Cost of goods sold

c Gross profit or (loss)

11 Other income

12 Total. Add lines 1 through 11

690,047.

31.

31.

13 Compensation of officers, directors, trustees, etc.

92,955.

0.

0.

92,955.

14 Other employee salaries and wages

2,783.

0.

0.

2,783.

15 Pension plans, employee benefits

16a Legal fees

b Accounting fees

STMT 2

13,839.

0.

0.

13,839.

c Other professional fees

STMT 3

43,554.

0.

0.

43,554.

17 Interest

18 Taxes

STMT 4

7,389.

0.

0.

7,389.

19 Depreciation and depletion

234.

0.

340.

20 Occupancy

21 Travel, conferences, and meetings

46,760.

0.

0.

46,760.

22 Printing and publications

3,503.

0.

0.

3,503.

23 Other expenses

STMT 5

8,402.

0.

0.

8,402.

24 Total operating and administrative expenses. Add lines 13 through 23

219,419.

0.

340.

219,185.

25 Contributions, gifts, grants paid

0.

0.

0.

0.

26 Total expenses and disbursements. Add lines 24 and 25

219,419.

0.

340.

219,185.

27 Subtract line 26 from line 12.

470,628.

31.

0.

a Excess of revenue over expenses and disbursements

b Net investment income (if negative, enter -0-)

c Adjusted net income (if negative, enter -0-)

225 23

Part II Balance Sheets		Attached schedules and amounts in the description column should be for end-of-year amounts only		Beginning of year	End of year	
				(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1	Cash - non-interest-bearing		59,808.	66,853.	66,853.
	2	Savings and temporary cash investments				
	3	Accounts receivable ▶				
		Less: allowance for doubtful accounts ▶				
	4	Pledges receivable ▶				
		Less: allowance for doubtful accounts ▶				
	5	Grants receivable				
	6	Receivables due from officers, directors, trustees, and other disqualified persons				
	7	Other notes and loans receivable ▶				
		Less: allowance for doubtful accounts ▶				
	8	Inventories for sale or use				
	9	Prepaid expenses and deferred charges		2,849.		
	10a	Investments - U.S. and state government obligations				
	b	Investments - corporate stock				
	c	Investments - corporate bonds				
	Liabilities	11	Investments - land, buildings, and equipment basis ▶			
		Less accumulated depreciation ▶				
12		Investments - mortgage loans				
13		Investments - other STMT 6	2,613,845.	3,080,511.	3,080,511.	
14		Land, buildings, and equipment: basis ▶	3,531.			
		Less accumulated depreciation STMT 7 ▶	2,949.	816.	582.	
15		Other assets (describe ▶)				
16		Total assets (to be completed by all filers - see the instructions. Also, see page 1, item I)	2,677,318.	3,147,946.	3,147,946.	
17		Accounts payable and accrued expenses				
18		Grants payable				
Net Assets or Fund Balances	19	Deferred revenue				
	20	Loans from officers, directors, trustees, and other disqualified persons				
	21	Mortgages and other notes payable				
	22	Other liabilities (describe ▶)				
23	Total liabilities (add lines 17 through 22)	0.	0.			
Net Assets or Fund Balances	Foundations that follow SFAS 117, check here ▶ <input type="checkbox"/>					
	and complete lines 24 through 26 and lines 30 and 31.					
	24	Unrestricted				
	25	Temporarily restricted				
	26	Permanently restricted				
	Foundations that do not follow SFAS 117, check here ▶ <input checked="" type="checkbox"/>					
	and complete lines 27 through 31.					
	27	Capital stock, trust principal, or current funds	0.	0.		
28	Paid-in or capital surplus, or land, bldg., and equipment fund	0.	0.			
29	Retained earnings, accumulated income, endowment, or other funds	2,677,318.	3,147,946.			
30	Total net assets or fund balances	2,677,318.	3,147,946.			
31	Total liabilities and net assets/fund balances	2,677,318.	3,147,946.			

## Part III Analysis of Changes in Net Assets or Fund Balances

1	Total net assets or fund balances at beginning of year - Part II, column (a), line 30 (must agree with end-of-year figure reported on prior year's return)	1	2,677,318.
2	Enter amount from Part I, line 27a	2	470,628.
3	Other increases not included in line 2 (itemize) ▶	3	0.
4	Add lines 1, 2, and 3	4	3,147,946.
5	Decreases not included in line 2 (itemize) ▶	5	0.
6	Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	6	3,147,946.

**Part IV Capital Gains and Losses for Tax on Investment Income**

(a) List and describe the kind(s) of property sold (e.g., real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)		(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a				
b	NONE			
c				
d				
e				

(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) (e) plus (f) minus (g)
a			
b			
c			
d			
e			

Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69

(i) F.M.V. as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any	(l) Gains (Col. (h) gain minus col. (k), but not less than -0-) or Losses (from col. (h))
a			
b			
c			
d			
e			

2 Capital gain net income or (net capital loss) { If gain, also enter in Part I, line 7  
If (loss), enter -0- in Part I, line 7 } 2

3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6):  
If gain, also enter in Part I, line 8, column (c).  
If (loss), enter -0- in Part I, line 8 } 3

**Part V Qualification Under Section 4940(e) for Reduced Tax on Net Investment Income**

(For optional use by domestic private foundations subject to the section 4940(a) tax on net investment income.)

If section 4940(d)(2) applies, leave this part blank.

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period?

☐ Yes ☒ No

If "Yes," the foundation does not qualify under section 4940(e). Do not complete this part.

1 Enter the appropriate amount in each column for each year, see the instructions before making any entries.

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col. (b) divided by col. (c))
2015	288,334.	86,181.	3.345679
2014	271,202.	98,350.	2.757519
2013	254,423.	108,483.	2.345280
2012	221,208.	94,444.	2.342213
2011	210,503.	87,630.	2.402180

2 Total of line 1, column (d)	2	13.192871
3 Average distribution ratio for the 5-year base period - divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years	3	2.638574
4 Enter the net value of noncharitable-use assets for 2016 from Part X, line 5	4	72,165.
5 Multiply line 4 by line 3	5	190,413.
6 Enter 1% of net investment income (1% of Part I, line 27b)	6	0.
7 Add lines 5 and 6	7	190,413.
8 Enter qualifying distributions from Part XII, line 4 If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate See the Part VI instructions.	8	219,185.

**Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 - see instructions)**

1a	Exempt operating foundations described in section 4940(d)(2), check here <input type="checkbox"/> and enter "N/A" on line 1 Date of ruling or determination letter: _____ (attach copy of letter if necessary-see instructions)		
b	Domestic foundations that meet the section 4940(e) requirements in Part V, check here <input checked="" type="checkbox"/> and enter 1% of Part I, line 27b	1	0.
c	All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, col. (b).		
2	Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)	2	0.
3	Add lines 1 and 2	3	0.
4	Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)	4	0.
5	<b>Tax based on investment income.</b> Subtract line 4 from line 3. If zero or less, enter -0-	5	0.
6	Credits/Payments:		
a	2016 estimated tax payments and 2015 overpayment credited to 2016	6a	
b	Exempt foreign organizations - tax withheld at source	6b	
c	Tax paid with application for extension of time to file (Form 8868)	6c	
d	Backup withholding erroneously withheld	6d	
7	Total credits and payments. Add lines 6a through 6d	7	0.
8	Enter any <b>penalty</b> for underpayment of estimated tax. Check here <input type="checkbox"/> if Form 2220 is attached	8	
9	<b>Tax due.</b> If the total of lines 5 and 8 is more than line 7, enter <b>amount owed</b>	9	0.
10	<b>Overpayment.</b> If line 7 is more than the total of lines 5 and 8, enter the <b>amount overpaid</b>	10	
11	Enter the amount of line 10 to be: <b>Credited to 2017 estimated tax</b> <input type="checkbox"/> <b>Refunded</b> <input checked="" type="checkbox"/>	11	

**Part VII-A Statements Regarding Activities**

	Yes	No
1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		X
1b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes (see instructions for the definition)? If the answer is "Yes" to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities		X
1c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. \$ 0. (2) On foundation managers. \$ 0.		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. \$ 0.		
2 Has the foundation engaged in any activities that have not previously been reported to the IRS? If "Yes," attach a detailed description of the activities		X
3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If "Yes," attach a conformed copy of the changes		X
4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?		X
b If "Yes," has it filed a tax return on Form 990-T for this year?		
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If "Yes," attach the statement required by General Instruction T		X
6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	X	
7 Did the foundation have at least \$5,000 in assets at any time during the year? If "Yes," complete Part II, col (c), and Part XV	X	
8a Enter the states to which the foundation reports or with which it is registered (see instructions) <u>HI</u>		
b If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by General Instruction G? If "No," attach explanation		X
9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2016 or the taxable year beginning in 2016 (see instructions for Part XIV)? If "Yes," complete Part XIV	X	
10 Did any persons become substantial contributors during the tax year? If "Yes" attach a schedule listing their names and addresses	X	

N/A

STMT 8

**Part VII-A** Statements Regarding Activities (continued)

	Yes	No
11 At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule (see instructions)		X
12 Did the foundation make a distribution to a donor advised fund over which the foundation or a disqualified person had advisory privileges? If "Yes," attach statement (see instructions)		X
13 Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address ► WWW.ILOA.ORG	X	
14 The books are in care of ► DAVID B. RAMOS, CPA & ASSOCIATES Telephone no. ► 808-887-2100 Located at ► PO BOX 1688, KAMUELA, HI ZIP+4 ► 96743		
15 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 - Check here and enter the amount of tax-exempt interest received or accrued during the year ► 15 N/A		
16 At any time during calendar year 2016, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? See the instructions for exceptions and filing requirements for FinCEN Form 114. If "Yes," enter the name of the foreign country ►		X

**Part VII-B** Statements Regarding Activities for Which Form 4720 May Be Required

File Form 4720 if any item is checked in the "Yes" column, unless an exception applies.

	Yes	No
1a During the year did the foundation (either directly or indirectly):		
(1) Engage in the sale or exchange, or leasing of property with a disqualified person?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
(5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
(6) Agree to pay money or property to a government official? (Exception Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days )	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
b If any answer is "Yes" to 1a(1)-(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance (see instructions)? Organizations relying on a current notice regarding disaster assistance check here ► <input type="checkbox"/>	1b X	
c Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2016?	1c X	
2 Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)):		
a At the end of tax year 2016, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2016? If "Yes," list the years ►	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
b Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer "No" and attach statement - see instructions.)	N/A	
c If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here. ►	2b	
3a Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
b If "Yes," did it have excess business holdings in 2016 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969, (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest, or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (Use Schedule C, Form 4720, to determine if the foundation had excess business holdings in 2016 )	N/A	
4a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4a	X
b Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2016?	4b	X

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**Part VII-B** Statements Regarding Activities for Which Form 4720 May Be Required (continued)

5a During the year did the foundation pay or incur any amount to:

- (1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))? ☐ Yes ☒ No
- (2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive? ☐ Yes ☒ No
- (3) Provide a grant to an individual for travel, study, or other similar purposes? ☐ Yes ☒ No
- (4) Provide a grant to an organization other than a charitable, etc., organization described in section 4945(d)(4)(A)? (see instructions) ☐ Yes ☒ No
- (5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals? ☐ Yes ☒ No

b If any answer is "Yes" to 5a(1)-(5), did any of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance (see instructions)?

N/A

5b

Organizations relying on a current notice regarding disaster assistance check here

▶ ☐

c If the answer is "Yes" to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant?

N/A

☐ Yes ☐ No

6b

If "Yes," attach the statement required by Regulations section 53.4945-5(d)

6a Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?

☐ Yes ☒ No

6b

b Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract?

If "Yes" to 6b, file Form 8870

7a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?

☐ Yes ☒ No

7b

b If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction?

N/A

**Part VIII** Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors

1 List all officers, directors, trustees, foundation managers and their compensation.

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
SEE STATEMENT 9		67,422.	0.	0.

2 Compensation of five highest-paid employees (other than those included on line 1). If none, enter "NONE."

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
NONE				

Total number of other employees paid over \$50,000

▶

0

**Part VIII** Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors (continued)**3** Five highest-paid independent contractors for professional services. If none, enter "NONE."

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
NONE		

Total number of others receiving over \$50,000 for professional services

0

**Part IX-A** Summary of Direct Charitable Activities

List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.

	Expenses
1 SEE STATEMENT PART IX-A	
	218,814.
2	
3	
4	

**Part IX-B** Summary of Program-Related Investments

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2.

	Amount
1 N/A	
2	
All other program-related investments See instructions	
3	

Total. Add lines 1 through 3

0.

**Part X** Minimum Investment Return (All domestic foundations must complete this part. Foreign foundations, see instructions.)

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes.		
a	Average monthly fair market value of securities	1a	0.
b	Average of monthly cash balances	1b	73,264.
c	Fair market value of all other assets	1c	
d	<b>Total</b> (add lines 1a, b, and c)	1d	73,264.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	0.
2	Acquisition indebtedness applicable to line 1 assets	2	0.
3	Subtract line 2 from line 1d	3	73,264.
4	Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4	1,099.
5	<b>Net value of noncharitable-use assets.</b> Subtract line 4 from line 3. Enter here and on Part V, line 4	5	72,165.
6	<b>Minimum investment return.</b> Enter 5% of line 5	6	3,608.

**Part XI** Distributable Amount (see instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations check here ☒ and do not complete this part.)

1	Minimum investment return from Part X, line 6	1	
2a	Tax on investment income for 2016 from Part VI, line 5	2a	
b	Income tax for 2016. (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	
4	Recoveries of amounts treated as qualifying distributions	4	
5	Add lines 3 and 4	5	
6	Deduction from distributable amount (see instructions)	6	
7	<b>Distributable amount</b> as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	

**Part XII** Qualifying Distributions (see instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:		
a	Expenses, contributions, gifts, etc. - total from Part I, column (d), line 26	1a	219,185.
b	Program-related investments - total from Part IX-B	1b	0.
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	
3	Amounts set aside for specific charitable projects that satisfy the:		
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4	<b>Qualifying distributions.</b> Add lines 1a through 3b. Enter here and on Part V, line 8, and Part XIII, line 4	4	219,185.
5	Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b	5	0.
6	<b>Adjusted qualifying distributions.</b> Subtract line 5 from line 4	6	219,185.

**Note:** The amount on line 6 will be used in Part V, column (b), in subsequent years when calculating whether the foundation qualifies for the section 4940(e) reduction of tax in those years.



**Part XIII** Undistributed Income (see instructions)

N/A

	(a) Corpus	(b) Years prior to 2015	(c) 2015	(d) 2016
1 Distributable amount for 2016 from Part XI, line 7				
2 Undistributed income, if any, as of the end of 2016				
a Enter amount for 2015 only				
b Total for prior years:				
3 Excess distributions carryover, if any, to 2016:				
a From 2011				
b From 2012				
c From 2013				
d From 2014				
e From 2015				
f Total of lines 3a through e				
4 Qualifying distributions for 2016 from Part XII, line 4: ▶ \$				
a Applied to 2015, but not more than line 2a				
b Applied to undistributed income of prior years (Election required - see instructions)				
c Treated as distributions out of corpus (Election required - see instructions)				
d Applied to 2016 distributable amount				
e Remaining amount distributed out of corpus				
5 Excess distributions carryover applied to 2016 (If an amount appears in column (d) the same amount must be shown in column (a))				
6 Enter the net total of each column as indicated below:				
a Corpus Add lines 3f, 4c, and 4e Subtract line 5				
b Prior years' undistributed income. Subtract line 4b from line 2b				
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed				
d Subtract line 6c from line 6b Taxable amount - see instructions				
e Undistributed income for 2015. Subtract line 4a from line 2a. Taxable amount - see instr.				
f Undistributed income for 2016. Subtract lines 4d and 5 from line 1 This amount must be distributed in 2017				
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)				
8 Excess distributions carryover from 2011 not applied on line 5 or line 7				
9 Excess distributions carryover to 2017 Subtract lines 7 and 8 from line 6a				
10 Analysis of line 9:				
a Excess from 2012				
b Excess from 2013				
c Excess from 2014				
d Excess from 2015				
e Excess from 2016				

**Part XIV Private Operating Foundations** (see instructions and Part VII-A, question 9)

1 a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2016, enter the date of the ruling

b Check box to indicate whether the foundation is a private operating foundation described in section

☒ 4942(j)(3) or ☐ 4942(j)(5)

2 a Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed

b 85% of line 2a

c Qualifying distributions from Part XII, line 4 for each year listed

d Amounts included in line 2c not used directly for active conduct of exempt activities

e Qualifying distributions made directly for active conduct of exempt activities.

Subtract line 2d from line 2c

3 Complete 3a, b, or c for the alternative test relied upon:

a "Assets" alternative test - enter:

(1) Value of all assets

(2) Value of assets qualifying under section 4942(j)(3)(B)(i)

b "Endowment" alternative test - enter 2/3 of minimum investment return shown in Part X, line 6 for each year listed

c "Support" alternative test - enter:

(1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)

(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)

(3) Largest amount of support from an exempt organization

(4) Gross investment income

Tax year (a) 2016	Prior 3 years			(e) Total
	(b) 2015	(c) 2014	(d) 2013	
1 X 0.	0.	0.	0.	1 X 0.
0.	0.	0.	0.	0.
219,185.	288,334.	271,202.	254,423.	1,033,144.
0.	0.	0.	0.	0.
219,185.	288,334.	271,202.	254,423.	1,033,144.
1				1 X 0.
				0.
2,405.	2,873.	3,279.	3,616.	12,173.
				0.
				0.
				0.
				0.

**Part XV Supplementary Information** (Complete this part only if the foundation had \$5,000 or more in assets at any time during the year-see instructions.)**1 Information Regarding Foundation Managers:**

a List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000). (See section 507(d)(2).)

NONE

b List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest

NONE

**2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc., Programs:**

Check here ☒ if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc. (see instructions) to individuals or organizations under other conditions, complete items 2a, b, c, and d

a The name, address, and telephone number or e-mail address of the person to whom applications should be addressed:

b The form in which applications should be submitted and information and materials they should include:

c Any submission deadlines

d Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

**Part XV** **Supplementary Information** (continued)**3. Grants and Contributions Paid During the Year or Approved for Future Payment**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
<b>a</b> <i>Paid during the year</i>				
NONE				
<b>Total</b>			<b>3a</b>	0.
<b>b</b> <i>Approved for future payment</i>				
NONE				
<b>Total</b>			<b>3b</b>	0.





**Schedule B**(Form 990, 990-EZ,  
or 990-PF)Department of the Treasury  
Internal Revenue Service**Schedule of Contributors**

▶ Attach to Form 990, Form 990-EZ, or Form 990-PF.  
▶ Information about Schedule B (Form 990, 990-EZ, or 990-PF) and  
its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).

OMB No 1545-0047

**2016**

Name of the organization

INTERNATIONAL LUNAR OBSERVATORY ASSOC.

Employer identification number

68-0659724

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 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 of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of (1) \$5,000 or (2) 2% of the amount on (i) Form 990, Part VIII, line 1h, or (ii) Form 990-EZ, line 1. Complete Parts I and II.

☐For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.☐For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year. ▶ \$ \_\_\_\_\_

**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 990-PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

**LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990, 990-EZ, or 990-PF. Schedule B (Form 990, 990-EZ, or 990-PF) (2016)**

Name of organization	Employer identification number
INTERNATIONAL LUNAR OBSERVATORY ASSOC.	68-0659724

**Part I Contributors** (See instructions) Use duplicate copies of Part I if additional space is needed

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
1	STEVE DURST 21835 DOLORES AVE CUPERTINO, CA 95014-2801	\$ 690,016.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)

Name of organization

Employer identification number

INTERNATIONAL LUNAR OBSERVATORY ASSOC.

68-0659724

**Part II Noncash Property** (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
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	



Name of organization	Employer identification number
INTERNATIONAL LUNAR OBSERVATORY ASSOC.	68-0659724

**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 info once) ▶ \$

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
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee

## FORM 990-PF INTEREST ON SAVINGS AND TEMPORARY CASH INVESTMENTS STATEMENT 1

SOURCE	(A) REVENUE PER BOOKS	(B) NET INVESTMENT INCOME	(C) ADJUSTED NET INCOME
MISC. INTEREST INCOME	31.	31.	31.
TOTAL TO PART I, LINE 3	31.	31.	31.

## FORM 990-PF ACCOUNTING FEES STATEMENT 2

DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
ANDERSEN TAX LLC	4,000.	0.	0.	4,000.
DAVID RAMOS CPA	9,839.	0.	0.	9,839.
TO FORM 990-PF, PG 1, LN 16B	13,839.	0.	0.	13,839.

## FORM 990-PF OTHER PROFESSIONAL FEES STATEMENT 3

DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
CONSULTANT FEES	43,554.	0.	0.	43,554.
TO FORM 990-PF, PG 1, LN 16C	43,554.	0.	0.	43,554.

## FORM 990-PF TAXES STATEMENT 4

DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
PAYROLL TAX	7,389.	0.	0.	7,389.
TO FORM 990-PF, PG 1, LN 18	7,389.	0.	0.	7,389.

FORM 990-PF	OTHER EXPENSES			STATEMENT	5
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES	
BANK FEES	371.	0.	0.	371.	
DUES AND SUBSCRIPTIONS	822.	0.	0.	822.	
OFFICE EXPENSE	594.	0.	0.	594.	
MEALS AND ENTERTAINMENT	1,413.	0.	0.	1,413.	
ADVERTISING & PROMOTION	1,542.	0.	0.	1,542.	
PERMITS & LICENSES	394.	0.	0.	394.	
POSTAGE & SHIPPING	202.	0.	0.	202.	
UTILITIES	3,012.	0.	0.	3,012.	
OPERATING SUPPLIES	52.	0.	0.	52.	
TO FORM 990-PF, PG 1, LN 23	8,402.	0.	0.	8,402.	

FORM 990-PF	OTHER INVESTMENTS		STATEMENT	6
DESCRIPTION	VALUATION METHOD	BOOK VALUE	FAIR MARKET VALUE	
SPACE DEVELOPMENT STUDIES - 2007	COST	80,000.	80,000.	
SPACE DEVELOPMENT STUDIES (6) - 2008	COST	725,000.	725,000.	
ODYSSEY MOON LTD	COST	6,250.	6,250.	
MDA PROJECT WITH INTEK LTD.	COST	156,667.	156,667.	
MOON EXPRESS CANADA (2011)	COST	75,000.	75,000.	
INTELLECTUAL PROPERTY	COST	160,000.	160,000.	
ILO-X MOON MISSION WITH INTEK	COST	75,000.	75,000.	
MOON EXPRESS CANADA (2012)	COST	575,000.	575,000.	
MDA (2012)	COST	110,677.	110,677.	
GOLDEN SPIKE COMPANY	COST	75,000.	75,000.	
ILO-X PHASE 3A ETU	COST	250,000.	250,000.	
ILOA STUDY	COST	38,667.	38,667.	
.6% STOCK	COST	50,000.	50,000.	
CANADENSYS AEROSPACE	COST	647,000.	647,000.	
ALLOWANCE FOR VALUE IMPAIRMENT	COST	56,250.	56,250.	
TOTAL TO FORM 990-PF, PART II, LINE 13		3,080,511.	3,080,511.	

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FORM 990-PF      DEPRECIATION OF ASSETS NOT HELD FOR INVESTMENT      STATEMENT      7

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DESCRIPTION	COST OR OTHER BASIS	ACCUMULATED DEPRECIATION	BOOK VALUE
COMPUTER	807.	807.	0.
SOFTWARE	825.	825.	0.
FRAME	1,231.	881.	350.
TOTAL TO FM 990-PF, PART II, LN 14	2,863.	2,513.	350.

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FORM 990-PF      LIST OF SUBSTANTIAL CONTRIBUTORS      STATEMENT      8  
PART VII-A, LINE 10

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NAME OF CONTRIBUTOR	ADDRESS
STEVE DURST	21835 DOLORES AVE CUPERTINO, CA 950142801

FORM 990-PF      PART VIII - LIST OF OFFICERS, DIRECTORS      STATEMENT 9  
 TRUSTEES AND FOUNDATION MANAGERS

NAME AND ADDRESS	TITLE AND AVRG HRS/WK	COMPEN- SATION	EMPLOYEE BEN PLAN CONTRIB	EXPENSE ACCOUNT
KIMO PIHANA 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.50	0.	0.	0.
JEAN-LUC JOSSET 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
MAOHAI HUANG 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.25	0.	0.	0.
CHRISTIAN VEILLET 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
DAVID SCHRUNK 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.25	0.	0.	0.
YUKI TAKAHASHI 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.25	0.	0.	0.
JOSEPH SULLA 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 3.00	0.	0.	0.
CMDR. JOHN YOUNG 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	HONORARY DIRECTOR 0.00	0.	0.	0.
CHRISTIAN SALLABERGER 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.50	0.	0.	0.
SHAWNA PANDYA 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.20	0.	0.	0.
TROND KROVELL 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.20	0.	0.	0.

## INTERNATIONAL LUNAR OBSERVATORY ASSOC.

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MISUZU ONUKI 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
PETER MARTINEZ 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
JINLIANG HOU 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.20	0.	0.	0.
BILL CARSWELL 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 3.00	0.	0.	0.
BOONRUCKSAR SOONTHORNTHUM 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.50	0.	0.	0.
TIT MENG LIM 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.20	0.	0.	0.
CHATIEF KUNJAYA 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.30	0.	0.	0.
ZIYUAN OUYANG 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
JEFFREY HOFFMAN 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
DIEGO MARDONES 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
PHILLIP MERRELL 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	EXECUTIVE COMMITTEE MEMBER 40.00	67,422.	0.	0.
U.R. RAO 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.10	0.	0.	0.
ROBERT RICHARDS 65-1230 MAMALAHOA HAWAII D20 KAMUELA, HI 96743	DIRECTOR 0.50	0.	0.	0.

TOTALS INCLUDED ON 990-PF, PAGE 6, PART VIII

67,422.

0.

0.

INTERNATIONAL LUNAR OBSERVATORY ASSOC.

68-0659724

FORM 990-PF

Statement Relating to Part VII-A 8b

ILOA did not furnish a copy of Form 990-PF to the Attorney General of Hawaii as Hawaii does not have a filing requirement for foundations unless the Foundation is soliciting contributions in Hawaii ILOA does not solicit contributions in Hawaii and accordingly does not have a filing requirement

**FORM 990-PF****Statement Relating to Part IX-A Summary of Direct Charitable Activities**

The purpose of the ILOA is to expand human understanding of the cosmos through observation from the moon

In 2016, ILOA was involved in the following activities:

- ILOA conducted a series of 8 International Galaxy forums for educators, students, and astronomers. Forums were held in the following locations:
  - Kona, Hawaii (January 23, 2016);
  - Japan, Tokyo (February 20, 2016),
  - Indonesia (February 24, 2016);
  - Malaysia (February 27, 2016);
  - Santa Clara, California (July 2, 2016);
  - Hutchinson, Kansas (August 13, 2016);
  - Scarsdale, New York (September 23, 2016); and
  - Kamuela, Hawaii (November 9, 2016)

The purpose of the forums is to advance general science education throughout the world. These events support school teachers, students and the general public by advancing 21<sup>st</sup>-Century galaxy education Materials for the Galaxy Forums were produced and distributed to educators including educational Galaxy Posters that display statistics and information about the Galaxy Presentations topics included

- Planned commercial missions to the Moon
- Juno and Jupiter system exploration
- 50 years of NASA
- Southeast Asia Participation in the ILOA Missions
- Archaeoastronomy and Cultural Importance of the Moon
- Making Moon South Pole Astronomy and Communications a Reality
- Applying Hawaii Astrophysics Leadership to 21<sup>st</sup> Century Frontiers

The Galaxy Forums maintain a website located at <http://galaxyforum.org/galaxy-forums-2015/>

- In 2015, ILOA worked on advancing a grant to build a Research and Education Center in Kamuela, HI. Once constructed, the Center will be an important education and science resource for the community
- In 2012, ILOA conducted scientific research on their proposed instrument for a lunar mission with Intek (of Canada) and Moon Express (of California). As a result of these studies, in May of 2013, ILOA unveiled flight test hardware for the first private telescope that will be launched to the Moon. Moon Express will be sending a series of robotic missions to the Moon which will carry a shoebox-sized telescope to test the ILOA's software and hardware on the moon. The telescope is scheduled to be launched by 2018
- ILOA began participation in a Human Lunar Lander Study with Golden Spike Company in December 2012. This study is still under way.
- ILOA maintains a website located at [www.iloa.org](http://www.iloa.org).