

Form **990EZ**  
Department of the Treasury  
Internal Revenue Service

# Short Form Return of Organization Exempt From Income Tax

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

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

▶ Go to [www.irs.gov/Form990EZ](http://www.irs.gov/Form990EZ) for the latest information.

OMB No 1545-1150  
**2018**  
**Open to Public Inspection**

**A For the 2018 calendar year, or tax year beginning 01-01-2018, and ending 12-31-2018**

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

**C** Name of organization  
PLANETS FOUNDATION

Number and street (or P O box, if mail is not delivered to street address) Room/suite  
294 HAPAPA ROAD

City or town, state or province, country, and ZIP or foreign postal code  
KULA, HI 96790

**D** Employer identification number  
47-4027864

**E** Telephone number

**F** Group Exemption Number ▶

**G** Accounting Method  Cash  Accrual Other (specify) ▶

**H** Check  if the organization is not required to attach Schedule B (Form 990, 990-EZ, or 990-PF)

**I** Website: ▶ N/A

**J** Tax-exempt status (check only one) -  501(c)(3)  501(c)( ) (insert no )  4947(a)(1) or  527

**K** Form of organization  Corporation  Trust  Association  Other

**L** Add lines 5b, 6c, and 7b to line 9 to determine gross receipts. If gross receipts are \$200,000 or more, or if total assets (Part II, column (B) below) are \$500,000 or more, file Form 990 instead of Form 990-EZ. ▶ \$ 161,255

## Part I Revenue, Expenses, and Changes in Net Assets or Fund Balances

(see the instructions for Part I)  
Check if the organization used Schedule O to respond to any question in this Part I.

		1	2	3	4	5a	5b	5c	6a	6b	6c	6d	7a	7b	7c	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Revenue	<b>1</b>	Contributions, gifts, grants, and similar amounts received																160,836											
	<b>2</b>	Program service revenue including government fees and contracts																419											
	<b>3</b>	Membership dues and assessments																											
	<b>4</b>	Investment income																											
	<b>5a</b>	Gross amount from sale of assets other than inventory																											
	<b>b</b>	Less cost or other basis and sales expenses																											
	<b>c</b>	Gain or (loss) from sale of assets other than inventory (Subtract line 5b from line 5a)																											
	<b>6</b>	Gaming and fundraising events																											
	<b>a</b>	Gross income from gaming (attach Schedule G if greater than \$15,000)																											
	<b>b</b>	Gross income from fundraising events (not including \$ of contributions from fundraising events reported on line 1) (attach Schedule G if the sum of such gross income and contributions exceeds \$15,000)																											
	<b>c</b>	Less direct expenses from gaming and fundraising events																											
	<b>d</b>	Net income or (loss) from gaming and fundraising events (add lines 6a and 6b and subtract line 6c)																											
	<b>7a</b>	Gross sales of inventory, less returns and allowances																											
	<b>b</b>	Less cost of goods sold																											
	<b>c</b>	Gross profit or (loss) from sales of inventory (Subtract line 7b from line 7a)																											
	<b>8</b>	Other revenue (describe in Schedule O)																											
	<b>9</b>	<b>Total revenue.</b> Add lines 1, 2, 3, 4, 5c, 6d, 7c, and 8																161,255											
Expenses	<b>10</b>	Grants and similar amounts paid (list in Schedule O)																											
	<b>11</b>	Benefits paid to or for members																											
	<b>12</b>	Salaries, other compensation, and employee benefits																											
	<b>13</b>	Professional fees and other payments to independent contractors																62,639											
	<b>14</b>	Occupancy, rent, utilities, and maintenance																											
	<b>15</b>	Printing, publications, postage, and shipping																717											
	<b>16</b>	Other expenses (describe in Schedule O)																4,518											
<b>17</b>	<b>Total expenses.</b> Add lines 10 through 16																67,874												
Net Assets	<b>18</b>	Excess or (deficit) for the year (Subtract line 17 from line 9)																93,381											
	<b>19</b>	Net assets or fund balances at beginning of year (from line 27, column (A)) (must agree with end-of-year figure reported on prior year's return)																5,848											
	<b>20</b>	Other changes in net assets or fund balances (explain in Schedule O)																											
	<b>21</b>	Net assets or fund balances at end of year Combine lines 18 through 20																99,229											



Part V Other Information (Note the Schedule A and personal benefit contract statement requirements in the instructions for Part V ) Check if the organization used Schedule O to respond to any question in this Part V . . . . .

Table with 3 columns: Question ID, Question Text, Yes, No. Rows include 33, 34, 35a, 35b, 35c, 36, 37a, 37b, 38a, 38b, 39, 39a, 39b, 40a, 40b, 40c, 40d, 40e, 41.

42a The organization's books are in care of KEVIN LEWIS Telephone no (808) 264-0388 Located at 294 HAPAPA ROAD 294 HAPAPA ROAD KULA, HI ZIP + 4 96790

Table with 3 columns: Question ID, Question Text, Yes, No. Rows include 42b, 42c.

43 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-EZ in lieu of Form 1041 - Check here and enter the amount of tax-exempt interest received or accrued during the tax year 43

Table with 3 columns: Question ID, Question Text, Yes, No. Rows include 44a, 44b, 44c, 44d, 45a, 45b.

	<b>Yes</b>	<b>No</b>
<b>46</b> Did the organization engage, directly or indirectly, in political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I . . . . .	<b>46</b>	No

**Part VI Section 501(c)(3) organizations only**  
 All section 501(c)(3) organizations must answer questions 47- 49b and 52, and complete the tables for lines 50 and 51.  
 Check if the organization used Schedule O to respond to any question in this Part VI . . . . .

	<b>Yes</b>	<b>No</b>
<b>47</b> 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 . . . . .	<b>47</b>	No
<b>48</b> Is the organization a school as described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E . . . . .	<b>48</b>	No
<b>49a</b> Did the organization make any transfers to an exempt non-charitable related organization? . . . . .	<b>49a</b>	No
<b>b</b> If "Yes," was the related organization a section 527 organization? . . . . .	<b>49b</b>	

**50** Complete this table for the organization's five highest compensated employees (other than officers, directors, trustees and key employees) who each received more than \$100,000 of compensation from the organization. If there is none, enter "None"

(a) Name and title of each employee	(b) Average hours per week devoted to position	(c) Reportable compensation (Forms W-2/1099-MISC)	(d) Health benefits, contributions to employee benefit plans, and deferred compensation	(e) Estimated amount of other compensation
NONE				

**f** Total number of other employees paid over \$100,000 . . . . . ▶ \_\_\_\_\_

**51** Complete this table for the organization's five highest compensated independent contractors who each received more than \$100,000 of compensation from the organization. If there is none, enter "None"

(a) Name and business address of each independent contractor	(b) Type of service	(c) Compensation
NONE		

**d** Total number of other independent contractors each receiving over \$100,000. . . . . ▶ \_\_\_\_\_

**52** Did the organization complete Schedule A? **NOTE.** All section 501(c)(3) organizations must attach a completed Schedule A . . . . . ▶  Yes  No

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.

***** Signature of officer	2019-11-12 Date
TAKESHI SAKANOI PRESIDENT Type or print name and title	

<b>Paid Preparer Use Only</b>	Print/Type preparer's name BARBARA J QUERRY CPA	Preparer's signature	Date 2019-11-12	Check <input checked="" type="checkbox"/> if self-employed	PTIN P00313496
	Firm's name ▶ BARBARA J QUERRY LLC			Firm's EIN ▶ 27-3889165	
	Firm's address ▶ 381 HUKU LII PL STE 203 KIHEI, HI 967537902			Phone no (808) 856-8137	

May the IRS discuss this return with the preparer shown above? See instructions . . . . . ▶  Yes  No

## Additional Data

**Software ID:**

**Software Version:**

**EIN:** 47-4027864

**Name:** PLANETS FOUNDATION

### Form 990EZ, Part III - Statement of Program Service Accomplishments

Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. In a clear and concise manner, describe the services provided, the number of persons benefited, and other relevant information for each program title.	Expenses (Required for section 501(c)(3) and 501(c)(4) organizations; optional for others.)	
<p><b>28</b> RESEARCH -THE PLANETS FOUNDATION CONDUCTS RESEARCH ON KEY TECHNOLOGIES FOR DESIGNING AND IMPROVING ASTROPHYSICAL TELESCOPES AND REMOTE SENSING INSTRUMENTS THE PLANETS FOUNDATION ALSO DEVELOPS OBSERVATIONS AND DETAILED MODELS OF EXO-ATMOSPHERE AND EXOPLANET SYSTEMS BY USING TECHNIQUES LIKE POLARIMETRY, SPECTROSCOPY AND SPECTROPOLARIMETRY RESULTS OF THESE RESEARCH AND DEVELOPMENT ACTIVITIES ARE PUBLISHED IN PEER-REVIEWED SCIENTIFIC JOURNALS, LIKE ASTRONOMY AND ASTROPHYSICS, THE ASTROPHYSICAL JOURNAL, ETC THESE JOURNALS ARE THE FOREMOST RESEARCH JOURNALS IN THE WORLD DEVOTED TO RECENT DEVELOPMENTS, DISCOVERIES, AND THEORIES IN ASTRONOMY AND ASTROPHYSICS ALSO, THE SCIENTIFIC RESULTS ARE WIDELY DISSEMINATED TO THE PUBLIC VIA PRESS- RELEASES, FOUNDATION WEBSITE, GOOGLE HANGOUTS, AND PUBLIC TALKS</p> <p>(Grants \$ )</p> <p style="text-align: right;">If this amount includes foreign grants, check here . . . ► <input type="checkbox"/></p>	<b>28a</b>	51,930

**Form 990EZ, Part III - Statement of Program Service Accomplishments**

<p><b>Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. In a clear and concise manner, describe the services provided, the number of persons benefited, and other relevant information for each program title.</b></p>	<p><b>Expenses (Required for section 501(c)(3) and 501(c)(4) organizations; optional for others.)</b></p>	
<p><b>29</b>                      OUTREACH - ASTRONOMY YOUTUBE LIVE EVENTS ON THE BI-WEEKLY BASIS, THE PLANETS FOUNDATION HOSTS AN ONLINE LIVE EVENT WHERE WE INTERACT WITH THE PUBLIC AND DISCUSS A VARIETY OF ASTRONOMY AND EXOPLANETARY TOPICS THE PURPOSE OF THESE INTERACTIVE DISCUSSIONS IS TO ENGAGE THE PUBLIC AND SHARE OUR NEW RESEARCH AND RECENT DISCOVERIES IN THE FIELD OF EXOPLANETARY SCIENCE OUR COMMUNITY IS ABLE TO DIRECTLY ASK QUESTIONS TO THE SCIENTISTS VIA OUR YOUTUBE LIVE EVENT PAGE AND THROUGH SOCIAL MEDIA PLATFORMS LIKE TWITTER AND FACEBOOK QUITE OFTEN, NEW SCIENTIFIC DISCOVERIES ARE DIFFICULT FOR THE GENERAL PUBLIC TO UNDERSTAND WE TAILOR THESE PANELS TO BE INTERESTING AND EASY FOR THE AVERAGE PERSON INTERESTED IN SPACE AND ASTRONOMY IN-PERSON ASTRONOMY PRESENTATIONS THE PLANETS FOUNDATION GIVES ASTRONOMY PRESENTATIONS TO A WIDE RANGE OF AUDIENCES INTERESTED IN ASTRONOMY AND SPACE INFORMATION THESE AUDIENCES RANGE FROM HAWAII AMATEUR ASTRONOMY GROUPS, SCHOOL CHILDREN, AND SPACE ENTHUSIAST ADULTS TO ORGANIZE THESE PRESENTATIONS, WE COLLABORATE WITH ORGANIZATIONS SUCH AS THE INSTITUTE FOR ASTRONOMY AND THE MAUI PUBLIC SCHOOL SYSTEM DEPENDING ON THE VENUE, THESE PRESENTATIONS ARE 1-HOUR IN LENGTH DURING THESE PRESENTATIONS WE DISCUSS OUR NEW RESEARCH FINDINGS AND TECHNIQUES AS WELL AS EXPLAIN HOW WE USE OUR SCIENCE INSTRUMENTS TO CARRY OUT OUR RESEARCH AFTER EACH PRESENTATION, WE DEDICATE AS MUCH TIME AS NECESSARY FOR THE AUDIENCE TO ASK QUESTIONS TO THE PRESENTER ON AVERAGE ABOUT EACH VIDEO GETS 2,800 VIEWS THE PLANETS FOUNDATION COLLABORATES WITH ASTRONOMY TEACHERS AND PROFESSORS TO PRODUCE AND HOST EDUCATIONAL ASTRONOMY CONTENT GEARED TOWARDS STUDENTS IN GRADES 6TH - 8TH OUR COLLABORATORS CREATE DIGITAL ASTRONOMY CONTENT, UPLOAD CONTENT TO A CENTRAL ONLINE REPOSITORY THAT CAN BE ACCESSED ANYWHERE VIA THE WEB, AND ADVISE ON DEVELOPING NEW PROGRAMS THAT ARE ENGAGING FOR STUDENTS</p> <p>(Grants \$ )</p> <p style="text-align: right;">If this amount includes foreign grants, check here . . . <input type="checkbox"/></p>	<p><b>29a</b></p>	<p style="text-align: right;">12,181</p>

**SCHEDULE A**  
**(Form 990 or 990-EZ)**

**Public Charity Status and Public Support**

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.  
 Attach to Form 990 or Form 990-EZ.  
 Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for the latest information.

**2018**

**Open to Public Inspection**

Department of the Treasury  
Internal Revenue Service

Name of the organization  
PLANETS FOUNDATION

Employer identification number  
47-4027864

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

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

- 1  A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**
- 2  A school described in **section 170(b)(1)(A)(ii).** (Attach Schedule E (Form 990 or 990-EZ) )
- 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 agricultural research organization described in **170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land grant college of agriculture See instructions Enter the name, city, and state of the college or university \_\_\_\_\_
- 10  An organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—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 )
- 11  An organization organized and operated exclusively to test for public safety See **section 509(a)(4).**
- 12  An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in **section 509(a)(1)** or **section 509(a)(2).** See **section 509(a)(3).** Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g
  - a  **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization **You must complete Part IV, Sections A and B.**
  - b  **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s) **You must complete Part IV, Sections A and C.**
  - c  **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions) **You must complete Part IV, Sections A, D, and E.**
  - d  **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions) **You must complete Part IV, Sections A and D, and Part V.**
  - e  Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization
  - f Enter the number of supported organizations \_\_\_\_\_
  - g Provide the following information about the supported organization(s)

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1- 10 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
<b>Total</b>						

**Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv), 170(b)(1)(A)(vi), and 170(b)(1)(A)(ix)**

(Complete only if you checked the box on line 5, 7, 8, or 9 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) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
<b>1</b>	Gifts, grants, contributions, and membership fees received (Do not include any "unusual grant")				65,029	161,255	226,284
<b>2</b>	Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
<b>3</b>	The value of services or facilities furnished by a governmental unit to the organization without charge						
<b>4</b>	<b>Total.</b> Add lines 1 through 3				65,029	161,255	226,284
<b>5</b>	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)						156,398
<b>6</b>	<b>Public support.</b> Subtract line 5 from line 4						69,886

**Section B. Total Support**

	Calendar year (or fiscal year beginning in) ▶	(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
<b>7</b>	Amounts from line 4				65,029	161,255	226,284
<b>8</b>	Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
<b>9</b>	Net income from unrelated business activities, whether or not the business is regularly carried on						
<b>10</b>	Other income Do not include gain or loss from the sale of capital assets (Explain in Part VI)					419	419
<b>11</b>	<b>Total support.</b> Add lines 7 through 10						226,703
<b>12</b>	Gross receipts from related activities, etc (see instructions)					<b>12</b>	

**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**

<b>14</b>	Public support percentage for 2018 (line 6, column (f) divided by line 11, column (f))	<b>14</b>	
<b>15</b>	Public support percentage for 2017 Schedule A, Part II, line 14	<b>15</b>	

**16a 33 1/3% support test—2018.** 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—2017.** 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—2018.** 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 VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ▶ **b 10%-facts-and-circumstances test—2017.** 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 VI 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 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

**Section A. Public Support**

Calendar year (or fiscal year beginning in) ►		(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
<b>1</b>	Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.")						
<b>2</b>	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						
<b>3</b>	Gross receipts from activities that are not an unrelated trade or business under section 513						
<b>4</b>	Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
<b>5</b>	The value of services or facilities furnished by a governmental unit to the organization without charge						
<b>6</b>	<b>Total.</b> Add lines 1 through 5						
<b>7a</b>	Amounts included on lines 1, 2, and 3 received from disqualified persons						
<b>b</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						
<b>c</b>	Add lines 7a and 7b						
<b>8</b>	<b>Public support.</b> (Subtract line 7c from line 6)						

**Section B. Total Support**

Calendar year (or fiscal year beginning in) ►		(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
<b>9</b>	Amounts from line 6						
<b>10a</b>	Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
<b>b</b>	Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						
<b>c</b>	Add lines 10a and 10b						
<b>11</b>	Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						
<b>12</b>	Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
<b>13</b>	<b>Total support.</b> (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**

<b>15</b>	Public support percentage for 2018 (line 8, column (f) divided by line 13, column (f))	<b>15</b>	
<b>16</b>	Public support percentage from 2017 Schedule A, Part III, line 15	<b>16</b>	

**Section D. Computation of Investment Income Percentage**

<b>17</b>	Investment income percentage for <b>2018</b> (line 10c, column (f) divided by line 13, column (f))	<b>17</b>	
<b>18</b>	Investment income percentage from <b>2017</b> Schedule A, Part III, line 17	<b>18</b>	

**19a 33 1/3% support tests—2018.** 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—2017.** 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 Supporting Organizations**

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

**Section A. All Supporting Organizations**

		Yes	No
<b>1</b>	Are all of the organization's supported organizations listed by name in the organization's governing documents? If "No," describe in <b>Part VI</b> how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.		
	<b>1</b>		
<b>2</b>	Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in <b>Part VI</b> how the organization determined that the supported organization was described in section 509(a)(1) or (2).		
	<b>2</b>		
<b>3a</b>	Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below.		
	<b>3a</b>		
<b>b</b>	Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? If "Yes," describe in <b>Part VI</b> when and how the organization made the determination.		
	<b>3b</b>		
<b>c</b>	Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in <b>Part VI</b> what controls the organization put in place to ensure such use.		
	<b>3c</b>		
<b>4a</b>	Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes" and if you checked 12a or 12b in Part I, answer (b) and (c) below.		
	<b>4a</b>		
<b>b</b>	Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in <b>Part VI</b> how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.		
	<b>4b</b>		
<b>c</b>	Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in <b>Part VI</b> what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.		
	<b>4c</b>		
<b>5a</b>	Did the organization add, substitute, or remove any supported organizations during the tax year? If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in <b>Part VI</b> , including (i) the names and EIN numbers of the supported organizations added, substituted, or removed, (ii) the reasons for each such action, (iii) the authority under the organization's organizing document authorizing such action, and (iv) how the action was accomplished (such as by amendment to the organizing document).		
	<b>5a</b>		
<b>b</b>	<b>Type I or Type II only.</b> Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
	<b>5b</b>		
<b>c</b>	<b>Substitutions only.</b> Was the substitution the result of an event beyond the organization's control?		
	<b>5c</b>		
<b>6</b>	Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? If "Yes," provide detail in <b>Part VI</b> .		
	<b>6</b>		
<b>7</b>	Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).		
	<b>7</b>		
<b>8</b>	Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).		
	<b>8</b>		
<b>9a</b>	Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? If "Yes," provide detail in <b>Part VI</b> .		
	<b>9a</b>		
<b>b</b>	Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? If "Yes," provide detail in <b>Part VI</b> .		
	<b>9b</b>		
<b>c</b>	Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? If "Yes," provide detail in <b>Part VI</b> .		
	<b>9c</b>		
<b>10a</b>	Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes," answer line 10b below.		
	<b>10a</b>		
<b>b</b>	Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)		
	<b>10b</b>		

**Part IV Supporting Organizations** (continued)

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

**Section B. Type I Supporting Organizations**

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

**Section C. Type II Supporting Organizations**

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

**Section D. All Type III Supporting Organizations**

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

**Section E. Type III Functionally-Integrated Supporting Organizations**

<b>1</b>	Check the box next to the method that the organization used to satisfy the Integral Part Test during the year ( <b>see instructions</b> )		
<b>a</b>	<input type="checkbox"/> The organization satisfied the Activities Test. Complete <b>line 2</b> below.		
<b>b</b>	<input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete <b>line 3</b> below.		
<b>c</b>	<input type="checkbox"/> The organization supported a governmental entity. Describe in <b>Part VI</b> how you supported a government entity (see instructions).		
<b>2</b>	Activities Test <b>Answer (a) and (b) below.</b>		
<b>a</b>	Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.</i>	Yes	No
<b>b</b>	Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? <i>If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.</i>		
<b>3</b>	Parent of Supported Organizations <b>Answer (a) and (b) below.</b>		
<b>a</b>	Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>Provide details in Part VI.</i>		
<b>b</b>	Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? <i>If "Yes," describe in Part VI the role played by the organization in this regard.</i>		

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

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

<b>Section A - Adjusted Net Income</b>		(A) Prior Year	(B) Current Year (optional)
<b>1</b>	Net short-term capital gain	<b>1</b>	
<b>2</b>	Recoveries of prior-year distributions	<b>2</b>	
<b>3</b>	Other gross income (see instructions)	<b>3</b>	
<b>4</b>	Add lines 1 through 3	<b>4</b>	
<b>5</b>	Depreciation and depletion	<b>5</b>	
<b>6</b>	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	<b>6</b>	
<b>7</b>	Other expenses (see instructions)	<b>7</b>	
<b>8</b>	<b>Adjusted Net Income</b> (subtract lines 5, 6 and 7 from line 4)	<b>8</b>	
<b>Section B - Minimum Asset Amount</b>		(A) Prior Year	(B) Current Year (optional)
<b>1</b>	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year)	<b>1</b>	
<b>a</b>	Average monthly value of securities	<b>1a</b>	
<b>b</b>	Average monthly cash balances	<b>1b</b>	
<b>c</b>	Fair market value of other non-exempt-use assets	<b>1c</b>	
<b>d</b>	<b>Total</b> (add lines 1a, 1b, and 1c)	<b>1d</b>	
<b>e</b>	<b>Discount</b> claimed for blockage or other factors (explain in detail in Part VI)		
<b>2</b>	Acquisition indebtedness applicable to non-exempt use assets	<b>2</b>	
<b>3</b>	Subtract line 2 from line 1d	<b>3</b>	
<b>4</b>	Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions)	<b>4</b>	
<b>5</b>	Net value of non-exempt-use assets (subtract line 4 from line 3)	<b>5</b>	
<b>6</b>	Multiply line 5 by .035	<b>6</b>	
<b>7</b>	Recoveries of prior-year distributions	<b>7</b>	
<b>8</b>	<b>Minimum Asset Amount</b> (add line 7 to line 6)	<b>8</b>	
<b>Section C - Distributable Amount</b>			Current Year
<b>1</b>	Adjusted net income for prior year (from Section A, line 8, Column A)	<b>1</b>	
<b>2</b>	Enter 85% of line 1	<b>2</b>	
<b>3</b>	Minimum asset amount for prior year (from Section B, line 8, Column A)	<b>3</b>	
<b>4</b>	Enter greater of line 2 or line 3	<b>4</b>	
<b>5</b>	Income tax imposed in prior year	<b>5</b>	
<b>6</b>	<b>Distributable Amount.</b> Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	<b>6</b>	
<b>7</b>	<input type="checkbox"/> Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions)		

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

<b>Section D - Distributions</b>	<b>Current Year</b>
<b>1</b> Amounts paid to supported organizations to accomplish exempt purposes	
<b>2</b> Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
<b>3</b> Administrative expenses paid to accomplish exempt purposes of supported organizations	
<b>4</b> Amounts paid to acquire exempt-use assets	
<b>5</b> Qualified set-aside amounts (prior IRS approval required)	
<b>6</b> Other distributions (describe in <b>Part VI</b> ) See instructions	
<b>7 Total annual distributions.</b> Add lines 1 through 6	
<b>8</b> Distributions to attentive supported organizations to which the organization is responsive (provide details in <b>Part VI</b> ) See instructions	
<b>9</b> Distributable amount for 2018 from Section C, line 6	
<b>10</b> Line 8 amount divided by Line 9 amount	

<b>Section E - Distribution Allocations (see instructions)</b>	<b>(i) Excess Distributions</b>	<b>(ii) Underdistributions Pre-2018</b>	<b>(iii) Distributable Amount for 2018</b>
<b>1</b> Distributable amount for 2018 from Section C, line 6			
<b>2</b> Underdistributions, if any, for years prior to 2018 (reasonable cause required-- explain in Part VI) See instructions			
<b>3</b> Excess distributions carryover, if any, to 2018			
<b>a</b> From 2013. . . . .			
<b>b</b> From 2014. . . . .			
<b>c</b> From 2015. . . . .			
<b>d</b> From 2016. . . . .			
<b>e</b> From 2017. . . . .			
<b>f Total</b> of lines 3a through e			
<b>g</b> Applied to underdistributions of prior years			
<b>h</b> Applied to 2018 distributable amount			
<b>i</b> Carryover from 2013 not applied (see instructions)			
<b>j</b> Remainder Subtract lines 3g, 3h, and 3i from 3f			
<b>4</b> Distributions for 2018 from Section D, line 7 \$			
<b>a</b> Applied to underdistributions of prior years			
<b>b</b> Applied to 2018 distributable amount			
<b>c</b> Remainder Subtract lines 4a and 4b from 4			
<b>5</b> Remaining underdistributions for years prior to 2018, if any Subtract lines 3g and 4a from line 2 If the amount is greater than zero, explain in Part VI See instructions			
<b>6</b> Remaining underdistributions for 2018 Subtract lines 3h and 4b from line 1 If the amount is greater than zero, explain in Part VI See instructions			
<b>7 Excess distributions carryover to 2019.</b> Add lines 3j and 4c			
<b>8</b> Breakdown of line 7			
<b>a</b> Excess from 2014. . . . .			
<b>b</b> Excess from 2015. . . . .			
<b>c</b> Excess from 2016. . . . .			
<b>d</b> Excess from 2017. . . . .			
<b>e</b> Excess from 2018. . . . .			

## Additional Data

**Software ID:**

**Software Version:**

**EIN:** 47-4027864

**Name:** PLANETS FOUNDATION

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

**Facts And Circumstances Test**

**SCHEDULE O**  
(Form 990 or 990-EZ)**Supplemental Information to Form 990 or 990-EZ**

OMB No 1545-0047

**2018****Open to Public  
Inspection**

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

▶ Attach to Form 990 or 990-EZ.

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

Department of the Treasury

Name of the organization

PLANETS FOUNDATION

Employer identification number

47-4027864

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
FORM 990-EZ, PART I, LINE 16	EXPENSES OFFICE EXPENSE 2,709 INSURANCE 660 SUPPLIES 77 GENERAL EXCISE TAX 222 TRAINING 850 TOTAL 4,518

**990 Schedule O, Supplemental Information**

<b>Return Reference</b>	<b>Explanation</b>
FORM 990-EZ, PART II, LINE 24	INVENTORIES FOR SALE OR USE 4,183 6,794 TELESCOPE CONSTR IN PROGRESS 0 1,556 TOTAL 4,183 8,350

**990 Schedule O, Supplemental Information**

<b>Return Reference</b>	<b>Explanation</b>
FORM 990-EZ, PART III	THE PLANETS FOUNDATION'S PURPOSE IS TO ADVANCE THE KNOWLEDGE AND UNDERSTANDING OF EXOPLANETS AND SOLAR-PLANETARY BODIES IN THE UNIVERSE WE ACCOMPLISH THIS BY CONDUCTING RESEARCH, DEVELOPING SOFTWARE ALGORITHMS AND CREATING NEW SCIENTIFIC TOOLS AND INSTRUMENTS TO STUDY THESE CELESTIAL BODIES IN ADDITION TO OUR RESEARCH EFFORTS, WE HAVE DEVELOPED AN EDUCATION AND OUTREACH PROGRAM DESIGNED FOR CHILDREN, STUDENTS AND GENERAL PUBLIC THIS CREATES AN ENVIRONMENT WHERE YOUNG GENERATION GETS EXCITED TO PURSUE CAREERS IN SCIENCE, TECHNOLOGY, ENGINEERING AND MATH (STEM)

**990 Schedule O, Supplemental Information**

<b>Return Reference</b>	<b>Explanation</b>
FORM 990-EZ, PART III, LINE 28	RESEARCH -THE PLANETS FOUNDATION CONDUCTS RESEARCH ON KEY TECHNOLOGIES FOR DESIGNING AND IMPROVING ASTROPHYSICAL TELESCOPES AND REMOTE SENSING INSTRUMENTS THE PLANETS FOUNDATION ALSO DEVELOPS OBSERVATIONS AND DETAILED MODELS OF EXO-ATMOSPHERE AND EXOPLANET SYSTEMS BY USING TECHNIQUES LIKE POLARIMETRY, SPECTROSCOPY AND SPECTROPOLARIMETRY RESULTS OF THESE RESEARCH AND DEVELOPMENT ACTIVITIES ARE PUBLISHED IN PEER-REVIEWED SCIENTIFIC JOURNALS, LIKE ASTRONOMY AND ASTROPHYSICS, THE ASTROPHYSICAL JOURNAL, ETC THESE JOURNALS ARE THE FOREMOST RESEARCH JOURNALS IN THE WORLD DEVOTED TO RECENT DEVELOPMENTS, DISCOVERIES, AND THEORIES IN ASTRONOMY AND ASTROPHYSICS ALSO, THE SCIENTIFIC RESULTS ARE WIDELY DISSEMINATED TO THE PUBLIC VIA PRESS- RELEASES, FOUNDATION WEBSITE, GOOGLE HANGOUTS, AND PUBLIC TALKS

## 990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990-EZ, PART III, LINE 29	<p>OUTREACH - ASTRONOMY YOUTUBE LIVE EVENTS ON THE BI-WEEKLY BASIS, THE PLANETS FOUNDATION HOSTS AN ONLINE LIVE EVENT WHERE WE INTERACT WITH THE PUBLIC AND DISCUSS A VARIETY OF ASTRONOMY AND EXOPLANETARY TOPICS. THE PURPOSE OF THESE INTERACTIVE DISCUSSIONS IS TO ENGAGE THE PUBLIC AND SHARE OUR NEW RESEARCH AND RECENT DISCOVERIES IN THE FIELD OF EXOPLANETARY SCIENCE. OUR COMMUNITY IS ABLE TO DIRECTLY ASK QUESTIONS TO THE SCIENTISTS VIA OUR YOUTUBE LIVE EVENT PAGE AND THROUGH SOCIAL MEDIA PLATFORMS LIKE TWITTER AND FACEBOOK. QUITE OFTEN, NEW SCIENTIFIC DISCOVERIES ARE DIFFICULT FOR THE GENERAL PUBLIC TO UNDERSTAND. WE TAILOR THESE PANELS TO BE INTERESTING AND EASY FOR THE AVERAGE PERSON INTERESTED IN SPACE AND ASTRONOMY. IN-PERSON ASTRONOMY PRESENTATIONS THE PLANETS FOUNDATION GIVES ASTRONOMY PRESENTATIONS TO A WIDE RANGE OF AUDIENCES INTERESTED IN ASTRONOMY AND SPACE INFORMATION. THESE AUDIENCES RANGE FROM HAWAII AMATEUR ASTRONOMY GROUPS, SCHOOL CHILDREN, AND SPACE ENTHUSIAST ADULTS. TO ORGANIZE THESE PRESENTATIONS, WE COLLABORATE WITH ORGANIZATIONS SUCH AS THE INSTITUTE FOR ASTRONOMY AND THE MAUI PUBLIC SCHOOL SYSTEM. DEPENDING ON THE VENUE, THESE PRESENTATIONS ARE 1-HOUR IN LENGTH. DURING THESE PRESENTATIONS WE DISCUSS OUR NEW RESEARCH FINDINGS AND TECHNIQUES AS WELL AS EXPLAIN HOW WE USE OUR SCIENCE INSTRUMENTS TO CARRY OUT OUR RESEARCH. AFTER EACH PRESENTATION, WE DEDICATE AS MUCH TIME AS NECESSARY FOR THE AUDIENCE TO ASK QUESTIONS TO THE PRESENTER. ON AVERAGE ABOUT EACH VIDEO GETS 2,800 VIEWS. THE PLANETS FOUNDATION COLLABORATES WITH ASTRONOMY TEACHERS AND PROFESSORS TO PRODUCE AND HOST EDUCATIONAL ASTRONOMY CONTENT GEARED TOWARDS STUDENTS IN GRADES 6TH - 8TH. OUR COLLABORATORS CREATE DIGITAL ASTRONOMY CONTENT, UPLOAD CONTENT TO A CENTRAL ONLINE REPOSITORY THAT CAN BE ACCESSED ANYWHERE VIA THE WEB, AND ADVISE ON DEVELOPING NEW PROGRAMS THAT ARE ENGAGING FOR STUDENTS.</p>