


Form 990



Department of the Treasury  
Internal Revenue Service

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

▶ Information about Form 990 and its instructions is at [www IRS gov/form990](http://www.irs.gov/form990)

OMB No 1545-0047

2015

Open to Public Inspection

A For the 2015 calendar year, or tax year beginning 10-01-2015 , and ending 09-30-2016

B Check if applicable

☐ Address change

☐ Name change

☐ Initial return

☐ Final return/terminated

☐ Amended return

☐ Application pending

C Name of organization

THE CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE INC

Doing business as

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

6905 N WICKHAM ROAD NO 500

Room/suite

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

MELBOURNE, FL 32940

F Name and address of principal officer

JORGE FERNANDEZ

6905 N WICKHAM ROAD SUITE 500

MELBOURNE, FL 32940

H(a) Is this a group return for subordinates?

No

☐ Yes ☒ No

H(b) Are all subordinates included?

If "No," attach a list (see instructions)

☐ Yes ☐ No

H(c) Group exemption number ▶

D Employer identification number

27-5410763

E Telephone number

(321) 757-6119

G Gross receipts \$ 16,266,239

I Tax-exempt status

☒ 501(c)(3) ☐ 501(c) ( ) ◀(insert no ) ☐ 4947(a)(1) or ☐ 527

J Website: ▶

HTTP //WWW ISS-CASIS ORG/

K Form of organization

☒ Corporation ☐ Trust ☐ Association ☐ Other ▶

L Year of formation 2011

M State of legal domicile FL

Part I Summary

Activities & Governance

1 Briefly describe the organization's mission or most significant activities

CASIS MANAGES, PROMOTES,AND BROKERS RESEARCH FOR THE ISS U S NATIONAL LABORATORY

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

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

3

11

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

4

11

5 Total number of individuals employed in calendar year 2015 (Part V, line 2a) . . . . .

5

46

6 Total number of volunteers (estimate if necessary) . . . . .

6

20

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

7a

0

b Net unrelated business taxable income from Form 990-T, line 34 . . . . .

7b

0

Revenue

8 Contributions and grants (Part VIII, line 1h) . . . . .

9 Program service revenue (Part VIII, line 2g) . . . . .

10 Investment income (Part VIII, column (A), lines 3, 4, and 7d ) . . . . .

11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)

12 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)

Prior Year

15,644,040

0

5,351

0

15,649,391

Current Year

16,261,299

0

4,940

0

16,266,239

Expenses

13 Grants and similar amounts paid (Part IX, column (A), lines 1–3 ) . . . . .

14 Benefits paid to or for members (Part IX, column (A), line 4) . . . . .

15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)

16a Professional fundraising fees (Part IX, column (A), line 11e) . . . . .

b Total fundraising expenses (Part IX, column (D), line 25) ▶0

17 Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e) . . . . .

18 Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)

19 Revenue less expenses Subtract line 18 from line 12 . . . . .

2,283,267

342,102

1,941,165

4,478,210

15,099,577

549,814

6,475,821

5,752,514

-245,700

Net Assets or Fund Balances

20 Total assets (Part X, line 16) . . . . .

21 Total liabilities (Part X, line 26) . . . . .

22 Net assets or fund balances Subtract line 21 from line 20 . . . . .

Beginning of Current Year

2,283,267

342,102

1,941,165

End of Year

2,086,293

390,828

1,695,465

Part II Signature Block

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

Sign Here

\*\*\*\*\*

Signature of officer

2017-02-14

Date

JORGE FERNANDEZ CHIEF FINANCIAL OFFICER

Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name

ROMAN G CARRAWAY CPA

Preparer's signature

ROMAN G CARRAWAY CPA

Date

2017-02-10

Check ☐ if self-employed

PTIN P00448173

Firm's name ▶ CARR RIGGS & INGRAM LLC

Firm's EIN ▶ 72-1396621

Firm's address ▶ 215 BAYTREE DRIVE

Phone no (321) 255-0088

MELBOURNE, FL 329402195

May the IRS discuss this return with the preparer shown above? (see instructions) . . . . . ☒ Yes ☐ No

For Paperwork Reduction Act Notice, see the separate instructions.

Cat No 11282Y

Form 990(2015)

Part III

Statement of Program Service Accomplishments

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

☐

1

Briefly describe the organization's mission

ESTABLISHED THROUGH CONGRESSIONAL AUTHORITY AND SUPPORTED BY NASA VIA COOPERATIVE AGREEMENT NO NNH11CD70A, CASIS WAS CREATED TO FACILITATE INNOVATIVE RESEARCH AND ENABLE GREATER ACCESS FOR NEW AND EXISTING USERS ON THE ISS U S NATIONAL LABORATORY

2

Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ?

☐ Yes ☒ No

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

3

Did the organization cease conducting, or make significant changes in how it conducts, any program services?

☐ Yes ☒ No

If "Yes," describe these changes on Schedule O

4

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

4a

(Code ) (Expenses \$ 14,989,687 including grants of \$ 6,475,821 ) (Revenue \$ )

CASIS IS TASKED WITH ESTABLISHING A ROBUST INNOVATION CYCLE, UTILIZING THE ISS FOR NEW CAPABILITIES AND MAINTAINING A STRONG PUBLIC OUTREACH PROMOTING THE VALUE OF THE ISS U S NATIONAL LABORATORY. PURSUANT TO THESE GOALS IN FISCAL YEAR 2016, 58 PAYLOADS WERE DELIVERED TO THE ISS NATIONAL LAB, INCLUDING NEW FACILITIES TO ENABLE IMPROVED RESEARCH CAPABILITIES. CASIS SELECTED 34 NEW PROJECTS FOR THE ISS NATIONAL LAB, 16 FROM NEW-TO-SPACE CUSTOMERS AND MORE THAN 50% INVOLVING COMMERCIAL USERS. CASIS SEED FUNDING ALLOCATED TO THESE PROJECTS EXCEEDED THE NASA-MANDATED \$3 MILLION MINIMUM FOR THE FOURTH YEAR IN A ROW. THIS SEED FUNDING IS COMPLEMENTED BY DIRECT CONTRIBUTIONS FROM THE AWARDED INSTITUTIONS AND THIRD PARTIES, WITH ONE-THIRD OF AWARDED PROJECTS REQUIRING NO CASIS SEED FUNDING. ADDITIONALLY, CASIS ADDED 29 EXTERNALLY FUNDED PROJECTS TO THE ISS NATIONAL LAB MANIFEST FROM COMMERCIAL SERVICE PROVIDERS. ISS NATIONAL LAB EDUCATION OUTREACH ENGAGED 328,077 STUDENTS AND MEMBERS OF THE EDUCATION COMMUNITY, AND PUBLIC ENGAGEMENT EXCEEDED TARGET MEASUREMENTS BY APPROXIMATELY 195%, IN LARGE PART DUE TO INCREASED PRESENCE THROUGH TWITTER, FACEBOOK, AND INSTAGRAM.

4b

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

4c

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

4d
















Other program services (Describe in Schedule O )

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

4e

Total program service expenses ▶ 14,989,687

**Part IV** Checklist of Required Schedules

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

Part IV Checklist of Required Schedules (continued)

21	Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i> . . . . .	21	Yes	
22	Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i> . . . . .	22		No
23	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i> . . . . .	23	Yes	
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i> . . . . .	24a		No
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception? . . . .	24b		
c	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds? . . . . .	24c		
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year? . . . .	24d		
25a	<b>Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations.</b>			
	Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</i> . . . . .	25a		No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i> . . . . .	25b		No
26	Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If "Yes," complete Schedule L, Part II</i> . . . . .	26		No
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i> . . . . .	27		No
28	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions)			
a	A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i> . . . . .	28a		No
b	A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i> . . . . .	28b		No
c	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i> . . . .	28c		No
29	Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i> . . . .	29		No
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i> . . . . .	30		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i> . . . . .	31		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i> . . . . .	32		No
33	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i> . . . . .	33		No
34	Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i> . . . . .	34		No
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a		No
b	If 'Yes' to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i> . . . .	35b		
36	<b>Section 501(c)(3) organizations.</b> Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i> . . . . .	36		No
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>	37		No
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? <b>Note.</b> All Form 990 filers are required to complete Schedule O . . . . .	38	Yes	

Part V

Statements Regarding Other IRS Filings and Tax Compliance

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

		Yes	No
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable.	91	
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable.	0	
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	1c	Yes
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return.	2a	46
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note: If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions).	2b	Yes
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?	3a	No
b	If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O.	3b	
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	4a	No
b	If "Yes," enter the name of the foreign country: _____ See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).		
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?	5a	No
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?	5b	No
c	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?	5c	
6a	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?	6a	No
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?	6b	
7	Organizations that may receive deductible contributions under section 170(c).		
a	Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?	7a	No
b	If "Yes," did the organization notify the donor of the value of the goods or services provided?	7b	
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?	7c	No
d	If "Yes," indicate the number of Forms 8282 filed during the year.	7d	
e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?	7e	
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?	7f	
g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?	7g	No
h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?	7h	No
8	Sponsoring organizations maintaining donor advised funds. Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?	8	
9a	Did the sponsoring organization make any taxable distributions under section 4966?	9a	
b	Did the sponsoring organization make a distribution to a donor, donor advisor, or related person?	9b	
10	Section 501(c)(7) organizations. Enter		
a	Initiation fees and capital contributions included on Part VIII, line 12.	10a	
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities.	10b	
11	Section 501(c)(12) organizations. Enter		
a	Gross income from members or shareholders.	11a	
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them).	11b	
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?	12a	
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year.	12b	
13	Section 501(c)(29) qualified nonprofit health insurance issuers.		
a	Is the organization licensed to issue qualified health plans in more than one state? Note: See the instructions for additional information the organization must report on Schedule O.	13a	
b	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans.	13b	
c	Enter the amount of reserves on hand.	13c	
14a	Did the organization receive any payments for indoor tanning services during the tax year?	14a	No
b	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O.	14b	

**Part VI Governance, Management, and Disclosure**

For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.

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

**Section A. Governing Body and Management**

		Yes	No
<b>1a</b> Enter the number of voting members of the governing body at the end of the tax year	<b>1a</b> 11		
If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O			
<b>b</b> Enter the number of voting members included in line 1a, above, who are independent	<b>1b</b> 11		
<b>2</b> Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	<b>2</b>		No
<b>3</b> Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person?	<b>3</b>		No
<b>4</b> Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?	<b>4</b>		No
<b>5</b> Did the organization become aware during the year of a significant diversion of the organization's assets?	<b>5</b>		No
<b>6</b> Did the organization have members or stockholders?	<b>6</b>		No
<b>7a</b> Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	<b>7a</b>		No
<b>b</b> Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	<b>7b</b>		No
<b>8</b> Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following			
<b>a</b> The governing body?	<b>8a</b>	Yes	
<b>b</b> Each committee with authority to act on behalf of the governing body?	<b>8b</b>	Yes	
<b>9</b> Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O	<b>9</b>		No

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

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

**Section C. Disclosure**

**17** List the States with which a copy of this Form 990 is required to be filed ►

---

**18** Section 6104 requires an organization to make its Form 1023 (or 1024 if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.  
☐ Own website ☐ Another's website ☒ Upon request ☐ Other (explain in Schedule O)

**19** Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year

**20** State the name, address, and telephone number of the person who possesses the organization's books and records  
 ► JORGE FERNANDEZ 6905 N WICKHAM ROAD SUITE 500 MELBOURNE, FL 32940 (321) 757-6119

Part VII

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

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

☒

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

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

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
- List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
- List all of the organization's **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
- List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

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

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(1) ANDREI RUCKENSTEIN ..... DIRECTOR	8 00 .....	X						41,000	0	0
(2) CAROLYN M TICKNOR ..... DIRECTOR	8 00 .....	X						41,000	0	0
(3) DR BESS DAWSON-HUGHES ..... DIRECTOR	8 00 .....	X						41,000	0	0
(4) GORDANA VUNJAK-NOVAKOVIC ..... DIRECTOR	8 00 .....	X						41,000	0	0
(5) HOWARD ZUCKER ..... DIRECTOR	8 00 .....	X						41,000	0	0
(6) IOANNIS MIAOULIS ..... DIRECTOR	8 00 .....	X						41,000	0	0
(7) JOSEPH FORMICHELLI ..... DIRECTOR	8 00 .....	X						39,000	0	0
(8) LEROY E HOOD ..... DIRECTOR	8 00 .....	X						41,000	0	0
(9) LEWIS M DUNCAN ..... DIRECTOR	8 00 .....	X						41,000	0	0
(10) LT GEN JAMES ABRAHAMSON ..... CHAIRMAN	8 00 .....	X						41,000	0	0
(11) PHILIP S SCHEIN ..... DIRECTOR	8 00 .....	X						39,000	0	0
(12) COL GREGORY JOHNSON ..... PRESIDENT & EXECUTIVE DIRECTOR	60 00 .....			X				292,972	0	19,784
(13) JORGE FERNANDEZ ..... TREASURER & CHIEF FINANCIAL OFFICER	60 00 .....			X				204,772	0	18,973
(14) MELODY KUEHNER ..... SECRETARY & DIRECTOR OF HUMAN RESOURCES	60 00 .....			X				155,122	0	27,290

Part VII

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

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)							(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former				
(15) WARREN BATES ..... DIRECTOR OF PORTFOLIO MANAGEMENT	50 00 .....					X		199,719	0	24,594	
(16) ED M HARRIS ..... DIRECTOR OF DEVELOPMENT & PARTNERSHIP	50 00 .....					X		162,887	0	27,103	
(17) CYNTHIA TOCCO ..... DIRECTOR OF BUSINESS DEVELOPMENT	50 00 .....					X		161,635	0	16,509	
(18) BRIAN TALBOT ..... DIRECTOR OF MARKETING	50 00 .....					X		153,000	0	10,045	
(19) KENNETH SHIELDS ..... DIRECTOR OF OPERATIONS	50 00 .....					X		134,179	0	21,754	

<b>1b</b>	<b>Sub-Total</b> . . . . .	▶			
<b>c</b>	<b>Total from continuation sheets to Part VII, Section A</b> . . . . .	▶			
<b>d</b>	<b>Total (add lines 1b and 1c)</b> . . . . .	▶	1,911,286	0	166,052

2

Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization ▶ 16

	Yes	No
<b>3</b> Did the organization list any <b>former</b> officer, director or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i> . . . . .		No
<b>4</b> For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? <i>If "Yes," complete Schedule J for such individual</i> . . . . .	Yes	
<b>5</b> Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i> . . . . .		No

Section B. Independent Contractors

1

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

(A) Name and business address	(B) Description of services	(C) Compensation
THE BIONETICS CORPORATION  101 PRODUCTION DRIVE SUITE 100 YORKTOWN, VA 23693	PROJECT MANAGEMENT CONSULTANT	210,989
TIMOTHY YEATMAN MD INC  5 TROPICANA COURT GREENVILLE, SC 29609	CONSULTING SERVICES TO SUPPORT CHIEF SCI	195,991
DODGE COMMUNICATIONS INC  11675 RAINWATER DR ALPHARETTA, GA 30009	MARKETING AND COMMUNICATIONS CONSULTING	165,625
THE TRADE GROUP-DALLAS LLC  1434 PATTON PLACE SUITE 190 CARROLTON, TX 75007	SUPPORT SERVICES FOR TRADE SHOWS AND CON	147,185
AKIN GUMP STRAUS HAUER & FELD  PO DEPT 7247-6827 PHILADELPHIA, PA 19170	LEGAL AND CONTRACTUAL SERVICES	126,257

2

Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization ▶ 8



Part VIII

Statement of Revenue

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

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514	
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns . . .	1a					
	b	Membership dues . . . . .	1b					
	c	Fundraising events . . . . .	1c					
	d	Related organizations . . . . .	1d					
	e	Government grants (contributions)	1e	15,992,117				
	f	All other contributions, gifts, grants, and similar amounts not included above	1f	269,182				
	g	Noncash contributions included in lines 1a-1f \$						
	h	Total. Add lines 1a-1f . . . . .			16,261,299			
Program Service Revenue			Business Code					
	2a							
	b							
	c							
	d							
	e							
	f	All other program service revenue						
	g	Total. Add lines 2a-2f . . . . .						
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts) . . . . .		4,940			4,940	
	4	Income from investment of tax-exempt bond proceeds . . .						
	5	Royalties . . . . .						
	6a	(i) Real		(ii) Personal				
		Gross rents						
		b	Less rental expenses					
		c	Rental income or (loss)					
	d	Net rental income or (loss) . . . . .						
	7a	(i) Securities		(ii) Other				
		Gross amount from sales of assets other than inventory						
		b	Less cost or other basis and sales expenses					
		c	Gain or (loss)					
	d	Net gain or (loss) . . . . .						
	8a	Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c) See Part IV, line 18 . . . . .		a				
	b	Less direct expenses . . . . .		b				
	c	Net income or (loss) from fundraising events . . .						
	9a	Gross income from gaming activities See Part IV, line 19 . . . . .		a				
	b	Less direct expenses . . . . .		b				
	c	Net income or (loss) from gaming activities . . . . .						
	10a	Gross sales of inventory, less returns and allowances . .		a				
		b	Less cost of goods sold . . . . .	b				
		c	Net income or (loss) from sales of inventory . . .					
	Miscellaneous Revenue		Business Code					
	11a							
	b							
c								
d	All other revenue . . . . .							
e	Total. Add lines 11a-11d . . . . .							
12	Total revenue. See Instructions . . . . .			16,266,239	0	0	4,940	

Part IX Statement of Functional Expenses

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

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

☐

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.		(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1	Grants and other assistance to domestic organizations and domestic governments See Part IV, line 21 . . . . .	6,475,821	6,475,821		
2	Grants and other assistance to domestic individuals See Part IV, line 22 . . . . .				
3	Grants and other assistance to foreign organizations, foreign governments, and foreign individuals See Part IV, lines 15 and 16 . . . . .				
4	Benefits paid to or for members . . . . .				
5	Compensation of current officers, directors, trustees, and key employees . . . . .	1,987,884	1,663,323	324,561	
6	Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B) . . . . .				
7	Other salaries and wages . . . . .	3,055,118	2,556,061	499,057	
8	Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions) . . . . .				
9	Other employee benefits . . . . .	413,172	341,384	71,788	
10	Payroll taxes . . . . .	296,340	244,852	51,488	
11	Fees for services (non-employees)				
a	Management . . . . .	868,692	802,074	66,618	
b	Legal . . . . .	102,663	4,107	98,556	
c	Accounting . . . . .	89,815	9,880	79,935	
d	Lobbying . . . . .				
e	Professional fundraising services See Part IV, line 17				
f	Investment management fees . . . . .				
g	Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O) . . . . .				
12	Advertising and promotion . . . . .	1,113,436	1,107,886	5,550	
13	Office expenses . . . . .				
14	Information technology . . . . .				
15	Royalties . . . . .				
16	Occupancy . . . . .	228,745	147,092	81,653	
17	Travel . . . . .	931,662	856,532	75,130	
18	Payments of travel or entertainment expenses for any federal, state, or local public officials . . . . .				
19	Conferences, conventions, and meetings . . . . .	51,882	30,683	21,199	
20	Interest . . . . .				
21	Payments to affiliates . . . . .				
22	Depreciation, depletion, and amortization . . . . .	94,122	68,196	25,926	
23	Insurance . . . . .	72,050	52,162	19,888	
24	Other expenses Itemize expenses not covered above (List miscellaneous expenses in line 24e If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O )				
a	MISSION RELATED COSTS	358,087	358,087		
b	EQUIPMENT RENTAL AND MA	141,633	100,341	41,292	
c	TELEPHONE	92,182	70,233	21,949	
d	POSTAGE AND SUBSCRIPTIO	67,746	41,369	26,377	
e	All other expenses	70,889	59,604	11,285	
25	Total functional expenses. Add lines 1 through 24e	16,511,939	14,989,687	1,522,252	0
26	Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				

Part X

Balance Sheet

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

				(A)		(B)	
				Beginning of year		End of year	
Assets	1	Cash—non-interest-bearing			3,203	1	2,822
	2	Savings and temporary cash investments			1,535,698	2	892,496
	3	Pledges and grants receivable, net				3	
	4	Accounts receivable, net				4	15,000
	5	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L				5	
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions). Complete Part II of Schedule L				6	
	7	Notes and loans receivable, net			392,845	7	923,932
	8	Inventories for sale or use				8	
	9	Prepaid expenses and deferred charges			185,945	9	133,927
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a	709,035			
	b	Less: accumulated depreciation	10b	594,601	159,856	10c	114,434
	11	Investments—publicly traded securities				11	
	12	Investments—other securities. See Part IV, line 11				12	
	13	Investments—program-related. See Part IV, line 11				13	
	14	Intangible assets			3,280	14	253
	15	Other assets. See Part IV, line 11			2,440	15	3,429
16	Total assets. Add lines 1 through 15 (must equal line 34)			2,283,267	16	2,086,293	
Liabilities	17	Accounts payable and accrued expenses			342,102	17	390,828
	18	Grants payable				18	
	19	Deferred revenue				19	
	20	Tax-exempt bond liabilities				20	
	21	Escrow or custodial account liability. Complete Part IV of Schedule D				21	
	22	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L				22	
	23	Secured mortgages and notes payable to unrelated third parties				23	
	24	Unsecured notes and loans payable to unrelated third parties				24	
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D				25	
	26	Total liabilities. Add lines 17 through 25			342,102	26	390,828
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.						
	27	Unrestricted net assets			197,247	27	142,301
	28	Temporarily restricted net assets			1,743,918	28	1,553,164
	29	Permanently restricted net assets				29	
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.						
	30	Capital stock or trust principal, or current funds				30	
	31	Paid-in or capital surplus, or land, building or equipment fund				31	
	32	Retained earnings, endowment, accumulated income, or other funds				32	
	33	Total net assets or fund balances			1,941,165	33	1,695,465
	34	Total liabilities and net assets/fund balances			2,283,267	34	2,086,293

**Part XI**   **Reconciliation of Net Assets**

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

<b>1</b>	Total revenue (must equal Part VIII, column (A), line 12) . . . . .	<b>1</b>	16,266,239
<b>2</b>	Total expenses (must equal Part IX, column (A), line 25) . . . . .	<b>2</b>	16,511,939
<b>3</b>	Revenue less expenses Subtract line 2 from line 1 . . . . .	<b>3</b>	-245,700
<b>4</b>	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A)) . .	<b>4</b>	1,941,165
<b>5</b>	Net unrealized gains (losses) on investments . . . . .	<b>5</b>	
<b>6</b>	Donated services and use of facilities . . . . .	<b>6</b>	
<b>7</b>	Investment expenses . . . . .	<b>7</b>	
<b>8</b>	Prior period adjustments . . . . .	<b>8</b>	
<b>9</b>	Other changes in net assets or fund balances (explain in Schedule O) . . . . .	<b>9</b>	0
<b>10</b>	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	<b>10</b>	1,695,465

**Part XII**   **Financial Statements and Reporting**

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

		Yes	No
<b>1</b>	Accounting method used to prepare the Form 990 <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O		
<b>2a</b>	Were the organization's financial statements compiled or reviewed by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		No
<b>b</b>	Were the organization's financial statements audited by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both <input checked="" type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	Yes	
<b>c</b>	If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O	Yes	
<b>3a</b>	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	Yes	
<b>b</b>	If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits	Yes	

SCHEDULE A  
(Form 990 or 990EZ)

Public Charity Status and Public Support

OMB No 1545-0047

2015

Open to Public Inspection

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.

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

Department of the Treasury  
Internal Revenue Service

Name of the organization  
THE CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE INC

Employer identification number  
27-5410763

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

- The organization is not a private foundation because it is (For lines 1 through 11, check only one box )
- 1

☐

A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**
- 2

☐

A school described in **section 170(b)(1)(A)(ii).**(Attach Schedule E (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 organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975 See**section 509(a)(2).** (Complete Part III )
- 10

☐

An organization organized and operated exclusively to test for public safety See **section 509(a)(4).**
- 11

☐

An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2) See **section 509(a)(3).** Check the box in lines 11a through 11d that describes the type of supporting organization and complete lines 11e, 11f, and 11g
- 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- 9 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		
Total						

Part II

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

Section A. Public Support						
Calendar year (or fiscal year beginning in) ►	(a)2011	(b)2012	(c)2013	(d)2014	(e)2015	(f)Total
<b>1</b> Gifts, grants, contributions, and membership fees received (Do not include any unusual grants )	11,547,999	15,279,936	15,232,863	15,644,040	16,261,299	73,966,137
<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 Total.</b> Add lines 1 through 3	11,547,999	15,279,936	15,232,863	15,644,040	16,261,299	73,966,137
<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)						
<b>6 Public support.</b> Subtract line 5 from line 4						73,966,137

Section B. Total Support						
Calendar year (or fiscal year beginning in) ►	(a)2011	(b)2012	(c)2013	(d)2014	(e)2015	(f)Total
<b>7</b> Amounts from line 4	11,547,999	15,279,936	15,232,863	15,644,040	16,261,299	73,966,137
<b>8</b> Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	1,774	2,414	2,525	5,351	4,940	17,004
<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 )						
<b>11 Total support.</b> Add lines 7 through 10						73,983,141
<b>12</b> Gross receipts from related activities, etc (see instructions)						<b>12</b>
<b>13 First five years.</b> If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and <b>stop here</b> . . . . . ► <input checked="" type="checkbox"/>						

Section C. Computation of Public Support Percentage						
<b>14</b> Public support percentage for 2015 (line 6, column (f) divided by line 11, column (f))						<b>14</b>
<b>15</b> Public support percentage for 2014 Schedule A, Part II, line 14						<b>15</b>
<b>16a 33 1/3% support test—2015.</b> If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and <b>stop here.</b> The organization qualifies as a publicly supported organization ► <input type="checkbox"/>						
<b>b 33 1/3% support test—2014.</b> If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and <b>stop here.</b> The organization qualifies as a publicly supported organization ► <input type="checkbox"/>						
<b>17a 10%-facts-and-circumstances test—2015.</b> If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the facts-and-circumstances test, check this box and <b>stop here.</b> Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ► <input type="checkbox"/>						
<b>b 10%-facts-and-circumstances test—2014.</b> If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and <b>stop here.</b> Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ► <input type="checkbox"/>						
<b>18 Private foundation.</b> If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions ► <input type="checkbox"/>						

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

(Complete only if you checked the box on line 9 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

**Section A. Public Support**

Calendar year (or fiscal year beginning in) ►	(a)2011	(b)2012	(c)2013	(d)2014	(e)2015	(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 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 Public support.</b> (Subtract line 7c from line 6.)						

**Section B. Total Support**

Calendar year (or fiscal year beginning in) ►	(a)2011	(b)2012	(c)2013	(d)2014	(e)2015	(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 Total support.</b> (Add lines 9, 10c, 11, and 12.)						
<b>14 First five years.</b> If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and <b>stop here</b> <span style="float: right;">► <input type="checkbox"/></span>						

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

<b>15</b> Public support percentage for 2015 (line 8, column (f) divided by line 13, column (f))	<b>15</b>	
<b>16</b> Public support percentage from 2014 Schedule A, Part III, line 15	<b>16</b>	

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

<b>17</b> Investment income percentage for <b>2015</b> (line 10c, column (f) divided by line 13, column (f))	<b>17</b>	
<b>18</b> Investment income percentage from <b>2014</b> Schedule A, Part III, line 17	<b>18</b>	

**19a 33 1/3% support tests—2015.** 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—2014.** 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 11 of Part I. If you checked 11a of Part I, complete Sections A and B. If you checked 11b of Part I, complete Sections A and C. If you checked 11c of Part I, complete Sections A, D, and E. If you checked 11d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

	Yes	No
1 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.	1	
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in <b>Part VI</b> how the organization determined that the supported organization was described in section 509(a)(1) or (2).	2	
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below.	3a	
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.	3b	
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in <b>Part VI</b> what controls the organization put in place to ensure such use.	3c	
4a Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes" and if you checked 11a or 11b in Part I, answer (b) and (c) below.	4a	
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.	4b	
c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.	4c	
5a 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 Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed, (ii) the reasons for each such action, (iii) the authority under the organization's organizing document authorizing such action, and (iv) how the action was accomplished (such as by amendment to the organizing document).	5a	
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?	5b	
c <b>Substitutions only.</b> Was the substitution the result of an event beyond the organization's control?	5c	
6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (a) its supported organizations, (b) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (c) 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> .	6	
7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in IRC 4958(c)(3)(C)), a family member of a substantial contributor, or a 35-percent controlled entity with regard to a substantial contributor? If "Yes," complete Part I of Schedule L (Form 990).	7	
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes," complete Part II of Schedule L (Form 990).	8	
9a 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> .	9a	
b Did one or more disqualified persons (as defined in line 9(a)) hold a controlling interest in any entity in which the supporting organization had an interest? If "Yes," provide detail in <b>Part VI</b> .	9b	
c Did a disqualified person (as defined in line 9(a)) 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> .	9c	
10a Was the organization subject to the excess business holdings rules of IRC 4943 because of IRC 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes," answer b below.	10a	
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.)	10b	
11 Has the organization accepted a gift or contribution from any of the following persons?		
a 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?	11a	
b A family member of a person described in (a) above?	11b	
c A 35% controlled entity of a person described in (a) or (b) above? If "Yes" to a, b, or c, provide detail in Part VI.	11c	



Part IV

Supporting Organizations (continued)

Section B. Type I Supporting Organizations

	Yes	No
1 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>		
2 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
1 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
1 Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (1) a written notice describing the type and amount of support provided during the prior tax year, (2) a copy of the Form 990 that was most recently filed as of the date of notification, and (3) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?		
2 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>		
3 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

1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions)			
a	<input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
b	<input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
c	<input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).		
2 Activities Test. Answer (a) and (b) below.			
a	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>		
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>		
3 Parent of Supported Organizations. Answer (a) and (b) below.			
a	Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>Provide details in Part VI.</i>		
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

1

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

☐

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3	4	
5	Depreciation and depletion	5	
6	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)	6	
7	Other expenses (see instructions)	7	
8	<b>Adjusted Net Income</b> (subtract lines 5, 6 and 7 from line 4)	8	

Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year)	1	
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	<b>Total</b> (add lines 1a, 1b, and 1c)	1d	
e	<b>Discount</b> claimed for blockage or other factors (explain in detail in Part VI) _____		
2	Acquisition indebtedness applicable to non-exempt use assets	2	
3	Subtract line 2 from line 1d	3	
4	Cash deemed held for exempt use Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by .035	6	
7	Recoveries of prior-year distributions	7	
8	<b>Minimum Asset Amount</b> (add line 7 to line 6)	8	

Section C - Distributable Amount		Current Year	
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3	4	
5	Income tax imposed in prior year	5	
6	<b>Distributable Amount.</b> Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6	
7	Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions) <input type="checkbox"/>		

**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 Part VI) 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 Part VI) See instructions	
<b>9</b> Distributable amount for 2015 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-2015</b>	<b>(iii) Distributable Amount for 2015</b>
<b>1</b> Distributable amount for 2015 from Section C, line 6			
<b>2</b> Underdistributions, if any, for years prior to 2015 (reasonable cause required--see instructions)			
<b>3</b> Excess distributions carryover, if any, to 2015			
<b>a</b>			
<b>b</b>			
<b>c</b>			
<b>d</b> From 2013. . . . .			
<b>e</b> From 2014. . . . .			
<b>f Total</b> of lines 3a through e			
<b>g</b> Applied to underdistributions of prior years			
<b>h</b> Applied to 2015 distributable amount			
<b>i</b> Carryover from 2010 not applied (see instructions)			
<b>j</b> Remainder Subtract lines 3g, 3h, and 3i from 3f			
<b>4</b> Distributions for 2015 from Section D, line 7 \$			
<b>a</b> Applied to underdistributions of prior years			
<b>b</b> Applied to 2015 distributable amount			
<b>c</b> Remainder Subtract lines 4a and 4b from 4			
<b>5</b> Remaining underdistributions for years prior to 2015, if any Subtract lines 3g and 4a from line 2 (if amount greater than zero, see instructions)			
<b>6</b> Remaining underdistributions for 2015 Subtract lines 3h and 4b from line 1 (if amount greater than zero, see instructions)			
<b>7 Excess distributions carryover to 2016.</b> Add lines 3j and 4c			
<b>8</b> Breakdown of line 7			
<b>a</b>			
<b>b</b>			
<b>c</b> Excess from 2013. . . . .			
<b>d</b> From 2014. . . . .			
<b>e</b> From 2015. . . . .			

**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**

Return Reference

Explanation

SCHEDULE D  
(Form 990)

Department of the Treasury  
Internal Revenue Service

Supplemental Financial Statements

► Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.  
► Attach to Form 990.  
Information about Schedule D (Form 990) and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization  
THE CENTER FOR THE ADVANCEMENT OF  
SCIENCE IN SPACE INC

Employer identification number  
27-5410763

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

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

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

1

Purpose(s) of conservation easements held by the organization (check all that apply)

☐ Preservation of land for public use (e g , recreation or education)  
☐ Protection of natural habitat  
☐ Preservation of open space

☐ Preservation of an historically important land area  
☐ Preservation of a certified historic structure

2

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

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

3

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

4

Number of states where property subject to conservation easement is located ►

5

Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds?

☐ Yes ☐ No

6

Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year  
►

7

Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year  
► \$

8

Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)?

☐ Yes ☐ No

9

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

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

1a

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

b

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

(i)

Revenue included on Form 990, Part VIII, line 1  
► \$

(ii)

Assets included in Form 990, Part X  
► \$

2

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

a

Revenue included on Form 990, Part VIII, line 1  
► \$

b

Assets included in Form 990, Part X  
► \$

Part III

Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets

(continued)

3

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

a

☐

Public exhibition

d

☐

Loan or exchange programs

b

☐

Scholarly research

e

☐

Other

c

☐

Preservation for future generations

4

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

5

During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection?

☐ Yes

☐ No

Part IV

Escrow and Custodial Arrangements.

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

1a

Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X?

☐ Yes

☐ No

b

If "Yes," explain the arrangement in Part XIII and complete the following table

c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

Amount

1c

1d

1e

1f

2a

Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability?

☐ Yes

☐ No

b

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

☐

Part V

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

	(a)Current year	(b)Prior year	b (c)Two years back	(d)Three years back	(e)Four years back
1a	Beginning of year balance				
b	Contributions				
c	Net investment earnings, gains, and losses				
d	Grants or scholarships				
e	Other expenditures for facilities and programs				
f	Administrative expenses				
g	End of year balance				

2

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

a

Board designated or quasi-endowment

b

Permanent endowment

c

Temporarily restricted endowment

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

3a

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

(i) unrelated organizations

(ii) related organizations

Yes

No

3a(i)

3a(ii)

3b

b

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

4

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

Part VI

Land, Buildings, and Equipment.

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

Description of property	(a) Cost or other basis (investment)	(b)Cost or other basis (other)	Accumulated (c)depreciation	(d)Book value
1a Land				
b Buildings				
c Leasehold improvements				
d Equipment	709,035		594,601	114,434
e Other				0
Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c))				114,434



Part XI

Reconciliation of Revenue per Audited Financial Statements With Revenue per Return

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

1	Total revenue, gains, and other support per audited financial statements . . . . .	1	16,377,431
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12		
a	Net unrealized gains (losses) on investments . . . . .	2a	
b	Donated services and use of facilities . . . . .	2b	111,192
c	Recoveries of prior year grants . . . . .	2c	
d	Other (Describe in Part XIII ) . . . . .	2d	
e	Add lines 2a through 2d . . . . .	2e	111,192
3	Subtract line 2e from line 1 . . . . .	3	16,266,239
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1		
a	Investment expenses not included on Form 990, Part VIII, line 7b . . . . .	4a	
b	Other (Describe in Part XIII ) . . . . .	4b	
c	Add lines 4a and 4b . . . . .	4c	0
5	Total revenue Add lines 3 and 4c.(This must equal Form 990, Part I, line 12 ) . . . . .	5	16,266,239

Part XII

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

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

1	Total expenses and losses per audited financial statements . . . . .	1	16,623,131
2	Amounts included on line 1 but not on Form 990, Part IX, line 25		
a	Donated services and use of facilities . . . . .	2a	111,192
b	Prior year adjustments . . . . .	2b	
c	Other losses . . . . .	2c	
d	Other (Describe in Part XIII ) . . . . .	2d	
e	Add lines 2a through 2d . . . . .	2e	111,192
3	Subtract line 2e from line 1 . . . . .	3	16,511,939
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b . . . . .	4a	
b	Other (Describe in Part XIII ) . . . . .	4b	
c	Add lines 4a and 4b . . . . .	4c	0
5	Total expenses Add lines 3 and 4c. (This must equal Form 990, Part I, line 18 ) . . . . .	5	16,511,939

Part XIII

Supplemental Information

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

Return Reference	Explanation
PART X, LINE 2	CASIS IS EXEMPT FROM FEDERAL AND STATE INCOME TAX UNDER SECTION 501(A) OF THE INTERNAL REVENUE CODE AS AN ORGANIZATION DESCRIBED IN SECTION 501(C)(3) THEREFORE, ONLY INCOME FROM BUSINESS UNRELATED TO THE ORGANIZATION'S CHARITABLE PURPOSE IS SUBJECT TO FEDERAL OR STATE INCOME TAX. CASIS FOLLOWS THE ACCOUNTING GUIDANCE FOR UNCERTAINTY IN INCOME TAXES USING THE PROVISIONS OF FINANCIAL ACCOUNTING STANDARDS BOARD (FASB) ASC 740, INCOME TAXES. USING THAT GUIDANCE, TAX POSITIONS INITIALLY NEED TO BE RECOGNIZED IN THE FINANCIAL STATEMENTS WHEN IT IS MORE-LIKELY-THAN-NOT THE POSITION WILL NOT BE SUSTAINED UPON EXAMINATION BY THE TAX AUTHORITIES. AS OF SEPTEMBER 30, 2016, CASIS HAD NO UNCERTAIN TAX POSITIONS THAT QUALIFY FOR EITHER RECOGNITION OR DISCLOSURE IN THE FINANCIAL STATEMENTS. ADDITIONALLY, CASIS HAD NO INTEREST AND PENALTIES RELATED TO INCOME TAXES. WITH FEW EXCEPTIONS, CASIS IS NO LONGER SUBJECT TO U.S. FEDERAL, STATE AND LOCAL INCOME TAX EXAMINATIONS BY TAX AUTHORITIES FOR YEARS BEFORE SEPTEMBER 30, 2013.



**Part XIII**   **Supplemental Information** *(continued)*

Return Reference	Explanation

**Open to Public Inspection**

27-5410763

☐ Yes    ☒ No

[illegible]

**3** Enter total number of other organizations listed in the line 1 table . . . . . **36**

Part III

Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22.  
Part III can be duplicated if additional space is needed.

(a)Type of grant or assistance	(b)Number of recipients	(c)Amount of cash grant	(d)Amount of non-cash assistance	(e)Method of valuation (book, FMV, appraisal, other)	(f)Description of non-cash assistance

Part IV

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

Return Reference	Explanation
SCHEDULE I, PART I, LINE 2	GRANTS ARE DETERMINED FOLLOWING A DEFINED PROPOSAL REVIEW, GUIDED BY AN ASSESSMENT OF POTENTIAL PROJECT IMPACT VARIOUS EXTERNAL AND INTERNAL CONSTITUENTS UNDER CONTRACT WITH CASIS AND WITH RELEVANT EXPERTISE CONDUCT THIS REVIEW, WHICH INCLUDES THE FOLLOWING STEPS (1) OPERATIONS EVALUATION TO DETERMINE FEASIBILITY AND ACHIEVABILITY WITHIN THE ESTIMATED BUDGET AND TIMELINE (2) SCIENTIFIC EVALUATION BY SUBJECT MATTER EXPERTS TO SCORE SCIENTIFIC MERIT AND POTENTIAL IMPACT (3) ECONOMIC EVALUATION TO SCORE POTENTIAL COMMERCIAL AND INTANGIBLE VALUE (4) EDUCATION EVALUATION TO CONFIRM ALIGNMENT WITH CASIS EDUCATION GOALS (5) RISK AND COMPLIANCE REVIEW TO EVALUATE REGULATORY AND LEGAL RISKS FOLLOWING THESE STEPS, THE EXECUTIVE DIRECTOR AND CHIEF SCIENTIST PERFORM THE FINAL PRIORITIZATION AND AWARD DETERMINATION

Additional Data

Software ID:  
Software Version:  
EIN: 27-5410763  
Name: THE CENTER FOR THE ADVANCEMENT OF  
SCIENCE IN SPACE INC

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV , appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
LIFE SCIENCE GRANTS							LIFE SCIENCES
1DROP DIAGNOSTICS US INC 21 DRYDOCK AVE BOSTON,MA 02210	47-2571380		10,000				DEVELOPING A PORTABLE, LAB QUALITY AND AFFORDABLE MEDICAL DIAGNOSTIC DEVICE
490 BIO TECH INC 2450 EJ CHAPMAN DRIVE KNOXVILLE,TN 37996	45-2763399		38,400				EXAMINING ANTI-CANCER THERAPEUTICS WITH DOWNSTREAM APPLICATIONS TO OTHER DRUGS

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
AXOSIM TECHNOLOGIES LLC 928 TAFT PLACE NEW ORLEANS, LA 70119	47-1049140		19,697				DEMONSTRATE UTILITY OF A HUMAN NERVE-ON-A-CHIP AS PHYSIOLOGICAL MODEL OF MYELINATION
BOSTON UNIVERSITY PO BOX 28763 NEW YORK, NY 10087	04-2103547	501(C)(3)	42,625				IDENTIFY MECHANISMS FOR HOW BONE CELLS SENSE MECHANICAL FORCES
H NU PHOTONICS LLC 350 HOOHANA STREET KAHULUI, HI 96732	20-8838710		800,000				H NU PHOTONICS LLC THROUGH ITS BIOTECHNOLOGY ARM (H NU-NANOPOINT) IS PARTNERING WITH CASIS AND NASA TO COMMERCIALLY DEVELOP, DEPLOY, AND OPERATE THE BIOCHIP SPACELAB (BCSL), WHICH WILL ENABLE INDUSTRY AND ACADEMIC INVESTIGATORS TO AUTOMATE LIVE-CELL CULTURE EXPERIMENTS WITH SOPHISTICATED MICROSCOPY TECHNIQUES IN THE MICROGRAVITY ENVIRONMENT ONBOARD THE ISS NATIONAL LAB THIS ENABLING CAPABILITY WILL INTEGRATE CAPABILITIES INCLUDING MICROFLUIDICS, MICROSCOPY, AND MULTIPLE TYPES OF BIOCHIPS THAT WILL OFFER A SUITE OF LIVE-CELL LINE AND RESEARCH OF INTEREST

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
INDIANA UNIVERSITY RESEARCH PO BOX 7800 DETROIT, MI 48278	35-6001673	501(C)(3)	29,476				PREFLIGHT STUDY TO TEST THE DETAILS OF PERFORMING ORTHOPEDIC SURGERIES ON MICE ON BOARD THE ISS
LAUNCHPAD MEDICAL LLC C/O MASSCHALLENGE 21 DRYDOCK AVENUE SUITE 610E BOSTON, MA 02210	47-1922810		44,102				EXPLORING TETRANITE, CAPABLE OF ADHERING BONE TO METAL AND TO ACCELERATE BONE REPAIR
LOMA LINDA UNIVERSITY SPONSORED PROJECTS MANAGEMENT 24880 PROSPECT AVENUE LOMA LINDA, CA 92350	95-1816009	501(C)(3)	99,956				INVESTIGATING AGING OF NEONATAL AND ADULT CARDIAC STEM CELLS IN MICROGRAVITY

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
MAYO CLINIC PO BOX 860334 MINNEAPOLIS, MN 554860334	59-3337028		100,000				UTILIZING MICROGRAVITY FOR CULTIVATION OF CLINICAL GRADE STEM CELLS FOR THERAPEUTIC APPS
MICRO-GRX INCORPORATED 8564 NORTHLAKE PARKWAY ORLANDO, FL 32837	47-3309856		70,000				VALIDATING LAB-ON-A-CHIP BY MONITORING CHANGES IN SPHEROID DIAMETER AND MEASURING GLUCOSE UPTAKE
NANOBIOSYM ADVISORY SERVICES LLC 245 FIRST STREET 18TH FLOOR CAMBRIDGE, MA 02142	46-2735849		270,000				PERFORM A PROOF-OF-CONCEPT STUDY TO COMPUTATIONALLY PREDICT BACTERIAL MUTATIONS

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
ONCOLINX PHARMACEUTICALS LLC 16 MADISON STREET APT B BOSTON,MA 02115	46-5233317		81,000				TESTING EFFICACY AND DRUG METABOLISM OF AZONAFIDE ADCS IN MICROGRAVITY 3-D CELL CULTURES
REGENTS OF THE UNIVERSITY OF COLORADO PO BOX 910220 DENVER,CO 80291	84-6000555	501(C)(3)	479,312				STUDY THE MOLECULAR BASIS OF MICROGRAVITY-INDUCED REDUCTIONS IN ANTIBIOTIC EFFICACY
SPACE TECHNOLOGY AND ADVANCED RESEARCH SYSTEMS INC 1100 NASA PARKWAY SUITE 410 HOUSTON,TX 77058	47-5163184		30,000				DETERMINING THE METABOLIC IMPACT OF SPACE FLIGHT ON FUNGAL SPECIES



**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
STANFORD UNIVERSITY PO BOX 44253 SAN FRANCISCO, CA 94144	94-1156365	501(C)(3)	70,000				CARDIAC STEM CELL DEVELOPMENT AND AGING IN MICROGRAVITY
SYNERGE LLC 3005 KNOX MCRAE DRIVE TITUSVILLE, FL 32780	47-4399894		52,678				INVESTIGATION OF MUTUALISTIC PLANT-MICROBE INTERACTIONS IN MICROGRAVITY
TECHSHOT INC 7200 HIGHWAY 150 GREENVILLE, NC 47124	35-1784668		147,112				IMPLEMENTATION PARTNER TO SUPPORT PRINCIPAL INVESTIGATOR IN MISSION INTEGRATIONS & OPS

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV , appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
TEXAS A&M HEALTH SCIENCE CENTER SPONSORED RESEARCH SERVICES 400 HARVEY MITCHELL PKWY S SUITE 300 COLLEGE STATION, TX 77845	74-2907553	501(C)(3)	63,952				STUDY OF BONE STEM CELLS CO-CULTURED WITH TUMOR CELLS IN SIMULATED MICROGRAVITY
THE METHODIST HOSPITAL RESEARCH INSTITUTE 6670 BERTNER AVE HOUSTON, TX 77030	87-0721923	501(C)(3)	445,013				NANOFLUIDICS STUDY TO DEVELOP A REMOTELY CONTROLLED, TUNABLE DRUG DELIVERY IMPLANT
THE REGENTS FOR THE UNIVERSITY OF CALIFORNIA LOS ANGELES 10920 WILSHIRE BLVD 5TH FLOOR LOS ANGELES, CA 90024	95-6006143	501(C)(3)	100,000				PREFLIGHT PREPARATION FOR STUDYING AN ANTI-OSTEOPOROSIS DRUG ON MICE IN SPACE



**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
ECLIPSE ENGERGY SYSTEMS INC 2345 ANVIL STREET NORTH ST PETERSBURG,FL 33710	59-3269075		60,000				STUDY VARIABLE EMISSIVITY DEVICES IN THE HARSH SPACE ENVIRONMENT
ILLINOIS INSTITUTE OF TECHNOLOGY 7562 SOLUTION CENTER CHICAGO,IL 60677	36-2170136	501(C)(3)	30,000				DEMONSTRATE THAT INDIUM IODIDE CAN COMPETE WITH OTHER SEMICONDUCTOR MATERIALS
RADIATION MONITORING DEVICES INC 44 HUNT STREET WATERTOWN,MA 02472	26-2897516		90,000				STUDY SCINTILLATOR CRYSTALS GROWN IN SPACE, TOWARD DOWNSTREAM USE IN RADIATION DETECTORS

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
UNIVERSITY OF FLORIDA BOARD OF TRUSTEES PO BOX 113001 GAINSVILLE,FL 62611	59-6002052	501(C)(3)	93,600				IMPROVE MICROFLUIDIC PROCESSING BY STUDYING THE INSTABILITY OF LIQUID INTERFACES IN SPACE
ZAIPUT FLOW TECHNOLOGIES LLC 4 GORDON PLACE CAMBRIDGE,MA 02139	46-1455101		112,000				EXPLORING EFFECTS OF GRAVITY ON ZAIPUT'S DEVICE FOR CONTINUOUS SEP IMMISCIBLE LIQUIDS
REMOTE SENSING GRANTS							REMOTE SENSING

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
BIOPTOSENSE LLC 3030 8TH STREET METARIE, LA 70002	47-3341745		20,000				VALIDATING PRELIMINARY RESULTS FROM RAW DIGITAL COUNTS AT SENSOR'S ALT WITHOUT ANY CORRECTION
FLORIDA INSTITUTE OF TECHNOLOGY 130 WEST UNIVERSITY BLVD MELBOURNE, FL 32901	59-6046500	501(C)(3)	20,000				SPACE-BASED TESTING OF CHARGE INJECTION DEVICES FOR EARTH AND SPACE IMAGING
TELEDYNE BROWN ENGINEERING INC PO BOX 360467 PITTSBURGH, PA 152516467	52-2195609		53,726				SUPPORTING A FLIGHT REMOTE SENSING PROJECT

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
UNIVERSITY OF MARYLAND BALTIMORE COUNTY 1000 HILLTOP CIRCLE BALTIMORE,MD 21250	52-6002033	501(C)(3)	5,392				USE IMAGES FROM ISS TO MONITOR HOW VEGETATION ON EARTH RESPONDS TO ENVIRONMENTAL CHANGE
UNIVERSITY OF TOLEDO PO BOX 72327 CLEVELAND,OH 44192	34-6401483	501(C)(3)	54,000				DEVELOPING ALGORITHMS FOR MONITORING WATER QUALITY AND ALGAL SPECIES IN THE GREAT LAKES
VISIDYNE INC 111 SOUTH BEDFORD STREET SUITE 103 BURLINGTON,MA 01803	04-2453227		180,000				TECHNOLOGY DEVELOPMENT TO MEASURE WIND SPEEDS WITHIN MATURE TROPICAL CYCLONES FROM ISS

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV , appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
TECHNOLOGY DEVELOPMENT GRANTS							TECHNOLOGY DEVELOPMENT
ACME ADVANCED MATERIALS INC 5620 SAN FRANCISCI RD SUITE E ALBURQUERQUE,NM 87109	46-4261413		77,400				PERFORMING EXPERIMENTS USING SIC MATERIAL & DETERMINING MAX LIMITS OF HEALING PROCESS
AIRBUS DS SPACE SYSTEMS INC 555 FORGED RIVER RD SUITE 115 WEBSTER,TX 77598	54-0990744		30,000				DEMO AND TECHNICAL READINESS LEVEL FOR NET CAPTURE SYSTEM ON ISS



**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
ASTRILEUX CORPORATION 4225 EXECUTIVE SQUARE SUITE 490 LAJOLLA,CA 92037	47-4071638		20,000				UNIVERSAL MANUFACTURE OF NEXT GENERATION ELECTRONICS
CONTROLLED DYNAMICS INC 1841 BEACH BLVD SUITE 170 HUNTINGTON BEACH,CA 92648	20-2469847		60,000				ENABLING TECHNOLOGY FOR MICROGRAVITY EXPERIMENTS ON THE INTERNATIONAL SPACE STATION
CORNELL UNIVERSITY PO BOX 22 ITHACA,NY 14581	13-0532082	501(C)(3)	75,200				ADAPT AN EXPERIMENTAL SATELLITE PLATFORM CALLED SPRITE FOR DEPLOYMENT FROM ISS

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
CRAIG TECHNOLOGIES 8550 ASTRONAUT BLVD CAPE CANAVERAL, FL 32920	54-1935688		355,754				FLIGHT HARDWARE DEVELOPMENT UTILIZING ADDITIVE MFG TECH & FLIGHT TEST PLATFORM
DEXMAT INC 2429 BISSONET ST HOUSTON, TX 77005	47-3004299		7,960				EXAMINING CNT CABLE IN HIGH RADIATION ENVIRONMENT OF SPACE
FOMS INC 3525 DEL MAR HAIGHTS RD NO 236 SAN DIEGO, CA 92130	26-4219599		190,000				DEMONSTRATING TECHNICAL AND COMMERCIAL FEASIBILITY OF IN-ORBIT MFG OF OPTICAL FIBERS

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
JAMSS AMERICA INC 16055 SPACE CENTER BLVD SUITE 240 HOUSTON,TX 77062	76-0552143		348,897				DEMONSTRATE COMMERCIAL VIABILITY OF USING ISS AS A PLATFORM FOR MARITIME TRACKING
NANO3D BIOSCIENCES INC 7000 FANNIN STREET SUITE 2140 HOUSTON,TX 77030	26-3022209		70,000				INCORPORATE MAGNETIC LEVITATION CELL CULTURE TECHNOLOGY INTO EXISTING FLIGHT HARDWARE
NOVAWURKS INC 10772 NOEL STREET LOS ALAMITOS,CA 90720	45-4221923		50,000				TECH DEMONSTRATION OF IN-ORBIT ASSEMBLY AND DEPLOYMENT OF A NANO SATELLITE SYSTEM

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
SCHAFER AEROSPACE INC 2309 RENARD PL SE SUITE 300 ALBUQUERQUE, NM 871064267	47-3508937		87,062				PRODUCING A FORM FIT UNIT AND EXTERNAL SYSTEM INTERFACES TO SUPPORT GROUND AND AIR TESTING
SPACE TANGO INC 333 E SHORT STREET LEXINGTON, KY 40507	61-1336389		113,793				MULTILAB EXPRESS RACK LOCKER FACILITY TO BE PERMANENTLY INSTALLED ON THE ISS
STEM EDUCATION GRANTS							STEM/EDUCATION

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02139	04-2103594	501(C)(3)	50,000				ZERO ROBOTICS, A COSPONSORED EDUCATION PROGRAM
NATIONAL CENTER FOR EARTH AND SPACE SCIENCE EDUCATION 1914 TORREY AVENUE PO BOX 29907 SAN FRANCISCO, CA 941290907	94-3213100	501(C)(3)	99,900				CONDUCTING EXPERIMENTAL DESIGN COMPETITIONS FOR STUDENTS TO SUBMIT POTENTIAL FLIGHT PROJ
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION INC 4150 CLEMENT ST SAN FRANCISCO, CA 94121	94-3084159		50,000				CONDUCT TWO "EXPERIMENTAL DESIGN COMPETITIONS" FOR STUDENTS IN GRADES 5 - 14

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV , appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
ORION'S QUEST 1034 WANN ARBOR TRAIL PLYMOUTH, MI 48170	06-1666146		72,895				ESTABLISHING PROGRAMS TO CHALLENGE STUDENTS TO EXCEL IN MATH AND SCIENCE
T2 SCIENCE AND MATH EDUCATION 429 SANDY RIDGE DRIVE LEAGUE CITY, TX 77573	26-0363387		15,000				EDUCATION PROJECTS TO INCLUDE VIDEOS OF ASTRONAUTS READING FROM SPACE
THE RADIO AMATEUR SATELLITE CORPORATION 10605 CONCORD STREET 304 KENSINGTON, MD 20895	52-0888529		75,317				SPONSORSHIP OF EDUCATION DEMONSTRATIONS OF THE HAM RADIO

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
SPONSORSHIP GRANTS							SPONSORSHIPS
MASSCHALLENGE INC 1 MARINE PARK DRIVE BOSTON, MA 02210	27-0382989	501(C)(3)	300,000				SELECTION AND AWARDING OF PROJECTS THROUGH THE MASSCHALLENGE BUSINESS ACCELERATOR PROGRAM
RICE ALLIANCE FOR TECHNOLOGY AND ENTREPRENEURSHIP RICE UNIVERSITY- MS 531 HOUSTON, TX 772522932	74-1109620	501(C)(3)	5,000				SPONSORSHIP OF RICE BUSINESS PLAN COMPETITION

**Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.**

<b>(a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section if applicable	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV , appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
IMPLEMENTATION PARTNER GRANTS							IMPLEMENTATION PARTNER
NANORACKS LLC 2437 BAY AREA BLVD 392 HOUSTON,TX 77058	27-1127667		414,300				SUPPORT OF THE NANORACKS EXTERNAL PLATFORM AND ASSOCIATED FLIGHT PROJECTS



Schedule J  
(Form 990)

Department of the Treasury  
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees  
▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.  
▶ Attach to Form 990.  
▶ Information about Schedule J (Form 990) and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization  
THE CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE INC

Employer identification number  
27-5410763

Part I Questions Regarding Compensation

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

**Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees.** Use duplicate copies if additional space is needed.

For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii) Do not list any individuals that are not listed on Form 990, Part VII

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

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column(B) reported as deferred on prior Form 990
		Base (i) compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
<b>1</b> COL GREGORY JOHNSON PRESIDENT & EXECUTIVE DIRECTOR	(i)	292,972 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	19,784 ----- 0	312,756 ----- 0	0 ----- 0
	(ii)							
<b>2</b> JORGE FERNANDEZ TREASURER & CHIEF FINANCIAL OFFICER	(i)	204,772 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	18,973 ----- 0	223,745 ----- 0	0 ----- 0
	(ii)							
<b>3</b> MELODY KUEHNER SECRETARY & DIRECTOR OF HUMAN RESOUR	(i)	155,122 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	27,290 ----- 0	182,412 ----- 0	0 ----- 0
	(ii)							
<b>4</b> WARREN BATES DIRECTOR OF PORTFOLIO MANAGEMENT	(i)	199,719 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	24,594 ----- 0	224,313 ----- 0	0 ----- 0
	(ii)							
<b>5</b> ED M HARRIS DIRECTOR OF DEVELOPMENT & PARTNERSHI	(i)	162,887 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	27,103 ----- 0	189,990 ----- 0	0 ----- 0
	(ii)							
<b>6</b> CYNTHIA TOCCO DIRECTOR OF BUSINESS DEVELOPMENT	(i)	161,635 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	16,509 ----- 0	178,144 ----- 0	0 ----- 0
	(ii)							
<b>7</b> BRIAN TALBOT DIRECTOR OF MARKETING	(i)	153,000 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	10,045 ----- 0	163,045 ----- 0	0 ----- 0
	(ii)							
<b>8</b> KENNETH SHIELDS DIRECTOR OF OPERATIONS	(i)	134,179 ----- 0	0 ----- 0	0 ----- 0	0 ----- 0	21,754 ----- 0	155,933 ----- 0	0 ----- 0
	(ii)							

**Part III**   **Supplemental Information**

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

Return Reference	Explanation
PART I, LINE 1A	GREG JOHNSON,PRESIDENT AND EXECUTIVE DIRECTOR OF CASIS, RESIDES IN HOUSTON,TX. MR. JOHNSON MAINTAINS AN APARTMENT IN FLORIDA FOR USE DURING HIS BUSINESS TRAVEL TO MELBOURNE, FL. IN LIEU OF INCURRING HOTEL COSTS WHILE ON OFFICIAL TRAVEL IN FLORIDA, MR. JOHNSON WAS REIMBURSED 65% OF THE GOVERNMENT PER DIEM RATE FOR LODGING IN MELBOURNE, FL. MR. JOHNSON AVERAGED APPROXIMATELY 3 OFFICIAL DAYS PER MONTH IN MELBOURNE, FL. THE PAYMENT WAS TREATED AS A REIMBURSABLE EXPENSE. THIS POLICY IS ALIGNED WITH THE GOVERNMENT'S DETAIL TRAVEL POLICIES AND COSTS CASIS LESS THAN LODGING IN A FLORIDA HOTEL.

**SCHEDULE O  
(Form 990 or  
990-EZ)**Department of the  
Treasury  
Internal Revenue  
Service**Supplemental Information to Form 990 or 990-EZ**Complete to provide information for responses to specific questions on  
Form 990 or 990-EZ or to provide any additional information.

▶ Attach to Form 990 or 990-EZ.

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

OMB No 1545-0047

**2015****Open to Public  
Inspection**Name of the organization  
THE CENTER FOR THE ADVANCEMENT OF  
SCIENCE IN SPACE INC

Employer identification number

27-5410763

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
FORM 990, PART III, LINE 1	ESTABLISHED THROUGH CONGRESSIONAL AUTHORITY AND SUPPORTED BY NASA VIA COOPERATIVE AGREEMENT NO NNN11CD70A, CASIS WAS CREATED TO FACILITATE INNOVATIVE RESEARCH AND ENABLE GREATER ACCESS FOR NEW AND EXISTING USERS ON THE ISS U.S. NATIONAL LABORATORY. CASIS MANAGES THE NATIONAL LABORATORY WITH THE PURPOSE OF LEVERAGING THE RESOURCES ABOARD STATION TO BRING BENEFITS TO EARTH VIA ADVANCED RESEARCH AND TECHNOLOGICAL DEVELOPMENT. CASIS CONTINUES TO DEVELOP A ROBUST INNOVATION CYCLE THAT CONTRIBUTES TO INCREASED UTILIZATION OF STATION. THROUGH OUR PROPOSAL PROCESS, CASIS CONTINUES TO IDENTIFY KEY RESEARCH AREAS AND WORK WITH RESEARCHERS FROM COMMERCIAL, ACADEMIC AND OTHER GOVERNMENTAL ENTITIES AS WELL AS A NETWORK OF IMPLEMENTATION PARTNERS. CASIS ALSO MAINTAINS A STRONG PUBLIC OUTREACH THROUGH STEM INITIATIVES, CONFERENCES, PANEL DISCUSSIONS, SOCIAL MEDIA AND ESTABLISHMENT OF VARIOUS ECOSYSTEMS NATIONWIDE COMPRISED OF COMMUNITY, ACADEMIC AND CORPORATE PARTNERS.
FORM 990, PART VI, SECTION B, LINE 11	THE FORM 990 IS REVIEWED BY THE BOARD OF DIRECTORS BEFORE IT IS FILED.

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 12C	ANNUAL CERTIFICATIONS ARE MADE
FORM 990, PART VI, SECTION B, LINE 15	THE COMPENSATION COMMITTEE USED THIRD PARTY DATA FOR COMPARABLES FOR CASIS'S CEO AND EXECUTIVE DIRECTOR, CHIEF FINANCIAL OFFICER, AND SECRETARY AND DIRECTOR OF HUMAN RESOURCES

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
FORM 990, PART VI, SECTION C, LINE 19	THE ORGANIZATION MAKES ITS GOVERNING DOCUMENTS AND FINANCIAL STATEMENTS AVAILABLE TO THE PUBLIC UPON REQUEST
FORM 990 PART VII LINE 1A COLUMN F	OTHER COMPENSATION PRIMARILY INCLUDES MATCHING RETIREMENT CONTRIBUTIONS AND HEALTH & LIFE INSURANCE PAYMENTS MADE BY CASIS