

Form **990-PF**Department of the Treasury
Internal Revenue Service**Return of Private Foundation**

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

Do not enter social security numbers on this form as it may be made public.
Go to www.irs.gov/Form990PF for instructions and the latest information.

OMB No 1545-0047

2019

Open to Public Inspection

For calendar year 2019 or tax year beginning

, and ending

Name of foundation LAS CUMBRES OBSERVATORY G.T.N., INC.		A Employer identification number 77-0361278
Number and street (or P.O. box number if mail is not delivered to street address) 6740 CORTONA DR, #102		B Telephone number (805) 880-1608
City or town, state or province, country, and ZIP or foreign postal code GOLETA, CA 93117		C If exemption application is pending, check here ☐
G Check all that apply: ☐ Initial return ☐ Final return ☐ Address change ☐ Initial return of a former public charity ☐ Amended return ☐ Name change		D 1. Foreign organizations, check here ☐ 2. Foreign organizations meeting the 85% test, check here and attach computation ☐
H Check type of organization: ☒ Section 501(c)(3) exempt private foundation ☐ Section 4947(a)(1) nonexempt charitable trust ☐ Other taxable private foundation		E If private foundation status was terminated under section 507(b)(1)(A), check here ☐
I Fair market value of all assets at end of year (from Part II, col. (c), line 16) \$ 46,489,663.	J Accounting method: ☐ Cash ☒ Accrual ☐ Other (specify) _____	F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ☐

Part II Analysis of Revenue and Expenses (The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a))		(a) Revenue and expenses per books	(b) Net investment income	(c) Adjusted net income	(d) Disbursements for charitable purposes (cash basis only)
1 Contributions, gifts, grants, etc., received		13,065,580.			
2 Check ☐ If the foundation is not required to attach Sch. D					
3 Interest on savings and temporary cash investments		15,276.	15,276.		STATEMENT 1
4 Dividends and interest from securities					
5a Gross rents					
b Net rental income or (loss)					
6a Net gain or (loss) from sale of assets not on line 10		1,776,810.			STATEMENT 2
b Gross sales price for all assets on line 6a		6,310,747.			
7 Capital gain net income (from Part IV, line 2)			1,776,810.		
8 Net short-term capital gain				0.	
9 Income modifications					
10a Gross sales less returns and allowances					
b Less Cost of goods sold					
c Gross profit or (loss)					
11 Other income		1,042,358.	0.	1,042,358.	STATEMENT 3
12 Total Add lines 1 through 11		15,900,024.	1,792,086.	1,042,358.	
13 Compensation of officers, directors, trustees, etc		176,136.	0.	0.	158,522.
14 Other employee salaries and wages		3,368,555.	0.	0.	3,031,700.
15 Pension plans, employee benefits		598,016.	0.	0.	538,214.
16a Legal fees STMT 4		1,245.	0.	0.	0.
b Accounting fees STMT 5		54,302.	0.	0.	0.
c Other professional fees STMT 6		1,025.	0.	0.	0.
17 Interest					
18 Taxes STMT 7		2,898.	0.	0.	0.
19 Depreciation and depletion		2,581,371.	0.	0.	
20 Occupancy		745,253.	0.	0.	670,728.
21 Travel, conferences, and meetings		209,896.	0.	0.	188,906.
22 Printing and publications					
23 Other expenses STMT 8		1,022,492.	0.	0.	583,842.
24 Total operating and administrative expenses Add lines 13 through 23		8,761,189.	0.	0.	5,171,912.
25 Contributions, gifts, grants paid		7,162.			7,162.
26 Total expenses and disbursements. Add lines 24 and 25		8,768,351.	0.	0.	5,179,074.
27 Subtract line 26 from line 12.					
a Excess of revenue over expenses and disbursements		7,131,673.			
b Net investment income (if negative, enter -0-)			1,792,086.		
c Adjusted net income (if negative, enter -0-)				1,042,358.	

Part II Balance Sheets		Attached schedules and amounts in the description column should be for end-of-year amounts only		
		Beginning of year	End of year	
		(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1 Cash - non-interest-bearing	25,160.	4,336,552.	4,336,552.
	2 Savings and temporary cash investments			
	3 Accounts receivable			
	Less: allowance for doubtful accounts	20,981.		
	4 Pledges receivable			
	Less: allowance for doubtful accounts			
	5 Grants receivable	43,129.	357,866.	357,866.
	6 Receivables due from officers, directors, trustees, and other disqualified persons			
	7 Other notes and loans receivable	32,348.		
	Less: allowance for doubtful accounts	0.	21,293.	32,348.
	8 Inventories for sale or use			
	9 Prepaid expenses and deferred charges	10,997.	6,907.	6,907.
	10a Investments - U.S. and state government obligations			
	b Investments - corporate stock			
	c Investments - corporate bonds			
Liabilities	11 Investments - land, buildings, and equipment basis			
	Less: accumulated depreciation			
	12 Investments - mortgage loans			
	13 Investments - other	STMT 10 600,518.	588,567.	588,567.
	14 Land, buildings, and equipment basis	62,849,759.		
	Less: accumulated depreciation	STMT 11 21,690,049.	40,881,665.	41,159,710.
	15 Other assets (describe) WER RECEIVABLE	60,741.	7,713.	7,713.
	16 Total assets (to be completed by all filers - see the instructions. Also, see page 1, item I)	41,664,484.	46,489,663.	46,489,663.
	17 Accounts payable and accrued expenses	1,057,622.	1,489,092.	
	18 Grants payable			
Net Assets or Fund Balances	19 Deferred revenue	4,450,410.	4,415,559.	
	20 Loans from officers, directors, trustees, and other disqualified persons			
	21 Mortgages and other notes payable			
	22 Other liabilities (describe)			
	23 Total liabilities (add lines 17 through 22)	5,508,032.	5,904,651.	
	24 Foundations that follow FASB ASC 958, check here and complete lines 24, 25, 29, and 30.	32,098,680.	33,986,544.	
	25 Net assets without donor restrictions	4,057,772.	6,598,468.	
	26 Foundations that do not follow FASB ASC 958, check here and complete lines 26 through 30.			
	27 Capital stock, trust principal, or current funds			
	28 Paid-in or capital surplus, or land, bldg., and equipment fund			
	29 Total net assets or fund balances	36,156,452.	40,585,012.	
	30 Total liabilities and net assets/fund balances	41,664,484.	46,489,663.	

Part III Analysis of Changes in Net Assets or Fund Balances

1 Total net assets or fund balances at beginning of year - Part II, column (a), line 29 (must agree with end-of-year figure reported on prior year's return)	1	36,156,452.
2 Enter amount from Part I, line 27a	2	7,131,673.
3 Other increases not included in line 2 (itemize)	3	0.
4 Add lines 1, 2, and 3	4	43,288,125.
5 Decreases not included in line 2 (itemize) SEE STATEMENT 9	5	2,703,113.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 29	6	40,585,012.

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Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (for example, real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)		(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a PUBLICLY TRADED STOCK		D		
b				
c				
d				
e				
(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) ((e) plus (f) minus (g))	
a 6,310,747.		4,533,937.	1,776,810.	
b				
c				
d				
e				
Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69.				
(i) FMV as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any	(l) Gains (Col. (h) gain minus col. (k), but not less than -0-) or Losses (from col. (h))	
a			1,776,810.	
b				
c				
d				
e				
2 Capital gain net income or (net capital loss)		2		1,776,810.
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6): If gain, also enter in Part I, line 8, column (c). If (loss), enter -0- in Part I, line 8		3		0.

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

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

N/A

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

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

☐ Yes ☐ No

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

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

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col. (b) divided by col. (c))
2018			
2017			
2016			
2015			
2014			

- 2 Total of line 1, column (d)
- 3 Average distribution ratio for the 5-year base period - divide the total on line 2 by 5.0, or by the number of years the foundation has been in existence if less than 5 years
- 4 Enter the net value of noncharitable-use assets for 2019 from Part X, line 5
- 5 Multiply line 4 by line 3
- 6 Enter 1% of net investment income (1% of Part I, line 27b)
- 7 Add lines 5 and 6
- 8 Enter qualifying distributions from Part XII, line 4
If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate.
See the Part VI instructions.

2	
3	
4	
5	
6	
7	
8	

Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 - see instructions)1a Exempt operating foundations described in section 4940(d)(2), check here ☒ and enter "N/A" on line 1.Date of ruling or determination letter: 02/06/07 (attach copy of letter if necessary-see instructions)b Domestic foundations that meet the section 4940(e) requirements in Part V, check here ☐ and enter 1% of Part I, line 27b

c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations, enter 4% of Part I, line 12, col. (b)

2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-)

3 Add lines 1 and 2

4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-)

5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-

6 Credits/Payments:

a 2019 estimated tax payments and 2018 overpayment credited to 2019

b Exempt foreign organizations - tax withheld at source

c Tax paid with application for extension of time to file (Form 8868)

d Backup withholding erroneously withheld

7 Total credits and payments. Add lines 6a through 6d

8 Enter any penalty for underpayment of estimated tax. Check here ☐ if Form 2220 is attached

9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed

10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid

11 Enter the amount of line 10 to be: Credited to 2020 estimated tax

Refunded

Part VII A Statements Regarding Activities

1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?

b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes? See the instructions for the definition. If the answer is "Yes" to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities.

c Did the foundation file Form 1120-POL for this year?

d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year:

(1) On the foundation. \$ 0. (2) On foundation managers. \$ 0.e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. \$ 0.

2 Has the foundation engaged in any activities that have not previously been reported to the IRS?

If "Yes," attach a detailed description of the activities.

3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If "Yes," attach a conformed copy of the changes

4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?

b If "Yes," has it filed a tax return on Form 990-T for this year?

5 Was there a liquidation, termination, dissolution, or substantial contraction during the year?

If "Yes," attach the statement required by General Instruction T

6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either

• By language in the governing instrument, or

• By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?

7 Did the foundation have at least \$5,000 in assets at any time during the year? If "Yes," complete Part II, col. (c), and Part XV

8a Enter the states to which the foundation reports or with which it is registered. See instructions.

CA

b If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by General Instruction G? If "No," attach explanation

9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2019 or the tax year beginning in 2019? See the instructions for Part XIV. If "Yes," complete Part XIV

10 Did any persons become substantial contributors during the tax year? If "Yes," attach a schedule listing their names and addresses

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Part VII-A Statements Regarding Activities (continued)

	Yes	No
11 At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule. See instructions STATEMENT 12 STMT 13	11 X	
12 Did the foundation make a distribution to a donor advised fund over which the foundation or a disqualified person had advisory privileges? If "Yes," attach statement. See instructions	12	X
13 Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address ► LCO.GLOBAL	13 X	
14 The books are in care of ► CAROLE EAST Telephone no. ► 805-880-1608 Located at ► 6740 CORTONA DR, #102, GOLETA, CA ZIP+4 ► 93117		
15 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 - check here and enter the amount of tax-exempt interest received or accrued during the year 15 N/A		
16 At any time during calendar year 2019, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? See the instructions for exceptions and filing requirements for FinCEN Form 114. If "Yes," enter the name of the foreign country ► UNITED KINGDOM	16 X	

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

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

	Yes	No
1a During the year, did the foundation (either directly or indirectly) (1) Engage in the sale or exchange, or leasing of property with a disqualified person? ☐ Yes ☒ No (2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? ☐ Yes ☒ No (3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? ☐ Yes ☒ No (4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? ☐ Yes ☒ No (5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? ☐ Yes ☒ No (6) Agree to pay money or property to a government official? (Exception. Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days.) ☐ Yes ☒ No		
b If any answer is "Yes" to 1a(1)-(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance? See instructions Organizations relying on a current notice regarding disaster assistance, check here N/A	1b	
c Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2019?	1c	X
2 Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)): a At the end of tax year 2019, did the foundation have any undistributed income (Part XIII, lines 6d and 6e) for tax year(s) beginning before 2019? ☐ Yes ☒ No If "Yes," list the years ► _____ b Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer "No" and attach statement - see instructions.) N/A c If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here. ► _____	2b	
3a Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year? ☒ Yes ☐ No b If "Yes," did it have excess business holdings in 2019 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969, (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest; or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (Use Form 4720, Schedule C, to determine if the foundation had excess business holdings in 2019.)	3b	X
4a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes? b Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2019?	4a	X
	4b	X

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

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

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

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

N/A
▶ ☐

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

N/A ☐ Yes ☐ No

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

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

☐ Yes ☒ No

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

If "Yes" to 6b, file Form 8870.

☐ Yes ☒ No

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

N/A

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

8 Is the foundation subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year?

☐ Yes ☒ No**Part VIII** Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors

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

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
WAYNE ROSING	DIRECTOR			
6740 CORTONA DR, #102				
GOLETA, CA 93117	1.00	0.	0.	0.
DOROTHY ROSING	SECRETARY/TREASURER			
6740 CORTONA DR, #102				
GOLETA, CA 93117	1.00	0.	0.	0.
LARS BILDSTEN, PHD	BOARD CHAIR			
6740 CORTONA DR, #102				
GOLETA, CA 93117	1.00	0.	0.	0.
MIKE SKRUTSKIE, PHD	DIRECTOR			
6740 CORTONA DR, #102				
GOLETA, CA 93117	1.00	0.	0.	0.

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

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
LISA STORRIE-LOMBARDI - 6740 CORTONA DR, #102, GOLETA, CA 93117	PRESIDENT			
	40.00	176,136.	15,000.	0.
TODD BOROSON - 6740 CORTONA DR, #102, GOLETA, CA 93117	FORMER PRESIDENT			
	40.00	159,776.	7,989.	0.
ANDREW HOWELL - 6740 CORTONA DR, #102, GOLETA, CA 93117	STAFF SCIENTIST			
	40.00	148,648.	19,000.	0.
ANNIE KIRBY - 6740 CORTONA DR, #102, GOLETA, CA 93117	OPERATIONS MANAGER			
	40.00	144,654.	14,948.	0.
MARK BOWMAN - 6740 CORTONA DR, #102, GOLETA, CA 93117	SOFTWARE MANAGER			
	40.00	140,721.	18,192.	0.

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

▶ 38

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

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes		
a	Average monthly fair market value of securities	1a	0.
b	Average of monthly cash balances	1b	1,453,904.
c	Fair market value of all other assets	1c	404,834.
d	Total (add lines 1a, b, and c)	1d	1,858,738.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	0.
2	Acquisition indebtedness applicable to line 1 assets	2	0.
3	Subtract line 2 from line 1d	3	1,858,738.
4	Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4	27,881.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	1,830,857.
6	Minimum investment return. Enter 5% of line 5	6	91,543.

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

1	Minimum investment return from Part X, line 6	1	
2a	Tax on investment income for 2019 from Part VI, line 5	2a	
b	Income tax for 2019. (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	
4	Recoveries of amounts treated as qualifying distributions	4	
5	Add lines 3 and 4	5	
6	Deduction from distributable amount (see instructions)	6	
7	Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	

Part XII Qualifying Distributions (see instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:		
a	Expenses, contributions, gifts, etc. - total from Part I, column (d), line 26	1a	5,179,074.
b	Program-related investments - total from Part IX-B	1b	0.
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	
3	Amounts set aside for specific charitable projects that satisfy the		
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8; and Part XIII, line 4	4	5,179,074.
5	Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b	5	0.
6	Adjusted qualifying distributions. Subtract line 5 from line 4	6	5,179,074.

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

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Part XIII Undistributed Income (see instructions)

N/A

	(a) Corpus	(b) Years prior to 2018	(c) 2018	(d) 2019
1 Distributable amount for 2019 from Part XI, line 7				
2 Undistributed income, if any, as of the end of 2019				
a Enter amount for 2018 only				
b Total for prior years:				
3 Excess distributions carryover, if any, to 2019				
a From 2014				
b From 2015				
c From 2016				
d From 2017				
e From 2018				
f Total of lines 3a through e				
4 Qualifying distributions for 2019 from Part XII, line 4: ► \$				
a Applied to 2018, but not more than line 2a				
b Applied to undistributed income of prior years (Election required - see instructions)				
c Treated as distributions out of corpus (Election required - see instructions)				
d Applied to 2019 distributable amount				
e Remaining amount distributed out of corpus				
5 Excess distributions carryover applied to 2019 (If an amount appears in column (d), the same amount must be shown in column (a))				
6 Enter the net total of each column as indicated below:				
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5				
b Prior years' undistributed income. Subtract line 4b from line 2b				
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed				
d Subtract line 6c from line 6b. Taxable amount - see instructions				
e Undistributed income for 2018. Subtract line 4a from line 2a. Taxable amount - see instr.				
f Undistributed income for 2019. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2020				
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)				
8 Excess distributions carryover from 2014 not applied on line 5 or line 7				
9 Excess distributions carryover to 2020. Subtract lines 7 and 8 from line 6a				
10 Analysis of line 9				
a Excess from 2015				
b Excess from 2016				
c Excess from 2017				
d Excess from 2018				
e Excess from 2019				

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

1 a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2019, enter the date of the ruling

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

☒ 4942(j)(3) or ☐ 4942(j)(5)

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

b 85% of line 2a

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

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

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

Subtract line 2d from line 2c

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

a "Assets" alternative test - enter:

(1) Value of all assets

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

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

c "Support" alternative test - enter:

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

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

(3) Largest amount of support from an exempt organization

(4) Gross investment income

Tax year	Prior 3 years			(e) Total
(a) 2019	(b) 2018	(c) 2017	(d) 2016	
91,543.	19,267.	38,320.	0.	149,130.
77,812.	16,377.	32,572.	0.	126,761.
5,179,074.	5,634,031.	4,899,676.	4,147,350.	19,860,131.
0.	0.	0.	0.	0.
5,179,074.	5,634,031.	4,899,676.	4,147,350.	19,860,131.
46,489,663.	41,664,214.	43,206,494.	46,504,225.	177,864,596.
46,489,663.	39,191,004.	40,733,284.	43,116,617.	169,530,568.
61,029.	12,845.	25,547.	82,441.	181,862.
				0.
				0.
				0.
				0.

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

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

SEE STATEMENT 14

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

NONE

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

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

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

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

c Any submission deadlines:

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

Part XV Supplementary Information (continued)

3 Grants and Contributions Paid During the Year or Approved for Future Payment				
Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
a Paid during the year				
UC REGENTS UC SANTA BARBARA SANTA BARBARA, CA 93106	N/A	PC	UCSB ASTRO COLLOQUIUM	5,000.
PLANNED PARENTHOOD 518 GARDEN STREET SANTA BARBARA, CA 93101	N/A	PC	EMPLOYER MATCH OF EMPLOYEE GIFT	250.
ANGELS FOSTER CARE 3905 STATE STREET #7-115 SANTA BARBARA, CA 93105	N/A	PC	EMPLOYER MATCH OF EMPLOYEE GIFT	250.
THE ELECTRONIC FRONTIER FOUNDATION 815 EDDY STREET SAN FRANCISCO, CA 94109	N/A	PC	EMPLOYER MATCH OF EMPLOYEE GIFT	200.
MULTIPLE MYELOMA RESEARCH FOUNDATION 838 MAIN AVENUE NORWALK, CT 06851	N/A	PC	EMPLOYER MATCH OF EMPLOYEE GIFT	50.
Total	SEE CONTINUATION SHEET(S)			7,162.
b Approved for future payment				
NONE				
Total				0.

Part XVII	Information Regarding Transfers to and Transactions and Relationships With Noncharitable Exempt Organizations
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		Yes	No
1	Did the organization directly or indirectly engage in any of the following with any other organization described in section 501(c)(3) (other than section 501(c)(3) organizations) or in section 527, relating to political organizations?		
a	Transfers from the reporting foundation to a noncharitable exempt organization of:		
	(1) Cash	1a(1)	X
	(2) Other assets	1a(2)	X
b	Other transactions		
	(1) Sales of assets to a noncharitable exempt organization	1b(1)	X
	(2) Purchases of assets from a noncharitable exempt organization	1b(2)	X
	(3) Rental of facilities, equipment, or other assets	1b(3)	X
	(4) Reimbursement arrangements	1b(4)	X
	(5) Loans or loan guarantees	1b(5)	X
	(6) Performance of services or membership or fundraising solicitations	1b(6)	X
c	Sharing of facilities, equipment, mailing lists, other assets, or paid employees	1c	X
d	If the answer to any of the above is "Yes," complete the following schedule. Column (b) should always show the fair market value of the goods, other assets, or services given by the reporting foundation. If the foundation received less than fair market value in any transaction or sharing arrangement, show in column (d) the value of the goods, other assets, or services received.		

[illegible]

2a Is the foundation directly or indirectly affiliated with, or related to, one or more tax-exempt organizations described in section 501(c) (other than section 501(c)(3)) or in section 527? ☐ Yes ☒ No

b If "Yes," complete the following schedule.

(a) Name of organization	(b) Type of organization	(c) Description of relationship
N/A		

Sign Here	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 taxpayer) is based on all information of which preparer has any knowledge					May the IRS discuss this return with the preparer shown below? See instr ☒ Yes ☐ No
	Signature of officer or trustee <i>Lisa Storrie-Lombardi</i>	Date 11/20/20	Title PRESIDENT/DIRECTOR			
Paid Preparer Use Only	Print/Type preparer's name		Preparer's signature	Date	Check ☐ if self-employed	PTIN
	JOHN BRITTON		<i>John Britton</i>	11-20-20		P00290353
	Firm's name ▶ BARTLETT, PRINGLE & WOLF, LLP				Firm's EIN ▶ 95-2089835	
	Firm's address ▶ 1123 CHAPAZA ST., P.O. BOX 90860 SANTA BARBARA, CA 93190-0860				Phone no. (805)963-7811	

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

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

OMB No 1545-0047

2019

Name of the organization

Employer identification number

LAS CUMBRES OBSERVATORY G.T.N., INC.

77-0361278

Organization type (check one)

Filers of:

Section:

Form 990 or 990-EZ

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

Form 990-PF

☒ 501(c)(3) exempt private foundation☐ 4947(a)(1) nonexempt charitable trust treated as a private foundation☐ 501(c)(3) taxable private foundationCheck if your organization is covered by the **General Rule** or a **Special Rule**.**Note:** Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.**General Rule**

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

Special Rules

- ☐ For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3% support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of (1) \$5,000, or (2) 2% of the amount on (i) Form 990, Part VIII, line 1h, or (ii) Form 990-EZ, line 1. Complete Parts I and II.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year. ▶ \$ _____

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

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

Schedule B (Form 990, 990-EZ, or 990-PF) (2019)

Name of organization

Employer identification number

LAS CUMBRES OBSERVATORY G.T.N., INC.

77-0361278

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

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
1	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION 6740 CORTONA DR, #102 GOLETA, CA 93117	\$ 350,202.	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
2	NATIONAL SCIENCE FOUNDATION 6740 CORTONA DR, #102 GOLETA, CA 93117	\$ 122,849.	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
3	WAYNE E. AND DOROTHY ROSING 6740 CORTONA DR, #102 GOLETA, CA 93117	\$ 8,454,021.	Person ☒ Payroll ☐ Noncash ☒ (Complete Part II for noncash contributions)
4	CALIFORNIA INSTITUTE OF TECHNOLOGY, JET PROPULSION LABORATORY 6740 CORTONA DR, #102 GOLETA, CA 93117	\$ 12,350.	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
5	SMITHSONIAN ASTROPHYSICAL OBSERVATORY 6740 CORTONA DR, #102 GOLETA, CA 93117	\$ 471,576.	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
6	SPACE TELESCOPE SCIENCE INSTITUTE 6740 CORTONA DR, #102 GOLETA, CA 93117	\$ 20,110.	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)

Name of organization

Employer identification number

LAS CUMBRES OBSERVATORY G.T.N., INC.

77-0361278

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

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
7	BINATIONAL SCIENCE FOUNDATION 6740 CORTONA DR, #102 GOLETA, CA 93117	\$ 15,262.	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions)

Name of organization

Employer identification number

LAS CUMBRES OBSERVATORY G.T.N., INC.

77-0361278

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

Use duplicate copies of Part III if additional space is needed.

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

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

SOURCE	(A) REVENUE PER BOOKS	(B) NET INVESTMENT INCOME	(C) ADJUSTED NET INCOME
INTEREST INCOME	15,276.	15,276.	0.
TOTAL TO PART I, LINE 3	15,276.	15,276.	0.

FORM 990-PF	GAIN OR (LOSS) FROM SALE OF ASSETS	STATEMENT	2
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(A) DESCRIPTION OF PROPERTY	(B) GROSS SALES PRICE	(C) VALUE AT TIME OF ACQ.	(D) EXPENSE OF SALE	MANNER ACQUIRED (E) DEPREC.	DATE ACQUIRED (F) GAIN OR LOSS	DATE SOLD
PUBLICLY TRADED STOCK				DONATED		
	6,310,747.	4,533,937.	0.	0.	1,776,810.	

(A) DESCRIPTION OF PROPERTY	(B) GROSS SALES PRICE	(C) COST OR OTHER BASIS	(D) EXPENSE OF SALE	MANNER ACQUIRED (E) DEPREC.	DATE ACQUIRED (F) GAIN OR LOSS	DATE SOLD
LOSS ON DISPOSITION OF ASSETS				PURCHASED		12/31/19
	0.	0.	0.	0.	0.	

NET GAIN OR LOSS FROM SALE OF ASSETS	1,776,810.
CAPITAL GAINS DIVIDENDS FROM PART IV	0.
TOTAL TO FORM 990-PF, PART I, LINE 6A	1,776,810.

FORM 990-PF	OTHER INCOME	STATEMENT	3
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DESCRIPTION	(A) REVENUE PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME
OBSERVING TIME INCOME	342,262.	0.	342,262.
SCIENTIFIC COLLABORATION INCOME	712,047.	0.	712,047.
NET LOSS FROM SUBSIDIARY	-11,951.	0.	-11,951.
TOTAL TO FORM 990-PF, PART I, LINE 11	1,042,358.	0.	1,042,358.

FORM 990-PF	LEGAL FEES	STATEMENT	4
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
LEGAL FEES	1,245.	0.	0.	0.
TO FM 990-PF, PG 1, LN 16A	1,245.	0.	0.	0.

FORM 990-PF	ACCOUNTING FEES	STATEMENT	5
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
ACCOUNTING FEES	54,302.	0.	0.	0.
TO FORM 990-PF, PG 1, LN 16B	54,302.	0.	0.	0.

FORM 990-PF	OTHER PROFESSIONAL FEES	STATEMENT	6
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
OTHER PROFESSIONAL FEES	1,025.	0.	0.	0.
TO FORM 990-PF, PG 1, LN 16C	1,025.	0.	0.	0.

FORM 990-PF	TAXES	STATEMENT	7
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
TAXES	2,898.	0.	0.	0.
TO FORM 990-PF, PG 1, LN 18	2,898.	0.	0.	0.

FORM 990-PF	OTHER EXPENSES	STATEMENT	8
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
PROJECT COSTS	219,811.	0.	0.	219,811.
EQUIPMENT EXPENSE	159,064.	0.	0.	159,064.
VEHICLE EXPENSES	20,687.	0.	0.	0.
INSURANCE	128,558.	0.	0.	0.
OFFICE EXPENSE	25,321.	0.	0.	0.
OTHER OPERATING EXPENSES	48,566.	0.	0.	48,566.
TELEPHONE/UTILITIES	54,974.	0.	0.	0.
CONTRACT LABOR	67,482.	0.	0.	67,482.
SHOP EXPENSES	45,864.	0.	0.	45,864.
SHIPPING EXPENSE	43,055.	0.	0.	43,055.
GENERAL & ADMINISTRATIVE	42.	0.	0.	0.
AMORTIZATION	209,068.	0.	0.	0.
TO FORM 990-PF, PG 1, LN 23	1,022,492.	0.	0.	583,842.

FORM 990-PF	OTHER DECREASES IN NET ASSETS OR FUND BALANCES	STATEMENT	9
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DESCRIPTION	AMOUNT
BOOK/TAX DEPRECIATION DIFFERENCES	416,531.
BOOK/TAX LOSS ON DISPOSAL DIFFERENCES	2,286,582.
TOTAL TO FORM 990-PF, PART III, LINE 5	2,703,113.

FORM 990-PF	OTHER INVESTMENTS	STATEMENT	10
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DESCRIPTION	VALUATION METHOD	BOOK VALUE	FAIR MARKET VALUE
TELESCOPE TECHNOLOGIES LTD (SEC. 4942(J)(4))	COST	588,567.	588,567.
TOTAL TO FORM 990-PF, PART II, LINE 13		588,567.	588,567.

FORM 990-PF DEPRECIATION OF ASSETS NOT HELD FOR INVESTMENT STATEMENT 11

DESCRIPTION	COST OR OTHER BASIS	ACCUMULATED DEPRECIATION	BOOK VALUE
FAULKES TELESCOPE	8,816,667.	8,816,667.	0.
TRUCK/LIFT	22,371.	22,371.	0.
LCO-SB SOFTWARE	211,836.	211,836.	0.
VEHICLES	13,595.	13,595.	0.
LEASEHOLD IMPROVEMENTS	712,289.	245,803.	466,486.
TELESCOPES & EQUIPMENT	81,115.	70,130.	10,985.
FAULKES-TRUCK	26,728.	26,728.	0.
FAULKES-COMPUTER EQUIP	10,229.	10,229.	0.
FAULKES-MODULAR SPACE	7,083.	7,083.	0.
LCO-SB SOFTWARE	213,534.	213,534.	0.
LCO-SB LAB EQUIPMENT	142,392.	142,392.	0.
LCO-SB COMPUTERS	208,747.	208,747.	0.
LCO-SB EQUIPMENT	65,503.	65,503.	0.
EQUIPMENT-TIP 2007	65,129.	54,184.	10,945.
LCO-SB FURN & FIXT	157,144.	157,144.	0.
LCO-SB TELESCOPES	922,543.	922,543.	0.
FAULKES N-EQUIPMENT	4,763.	4,763.	0.
LEASEHOLD IMPROVEMENTS-2008	1,593,468.	468,193.	1,125,275.
FTS-TELESCOPE-2008	530,149.	502,536.	27,613.
FTN-TELESCOPES 2008	600,606.	569,327.	31,279.
2005 FORD ESCAPE HYBRID	16,970.	14,617.	2,353.
2006 TOYOTA PRIUS	18,005.	14,901.	3,104.
2009-FN TELESCOPE	847,907.	741,919.	105,988.
2009-FS TELESCOPE	737,719.	645,507.	92,212.
2009-SEDGWICK TELESCOPE	733,850.	642,117.	91,733.
2009-SB LEASEHOLD IMPV	36,336.	9,747.	26,589.
LCO-2010 SB F&F	11,292.	9,651.	1,641.
2010-TELESCOPE IN PROGRESS TO FAULKES-S	47,497.	37,601.	9,896.
2010-TELESCOPE IN PROGRESS TO FAULKES-N	47,497.	37,601.	9,896.
2010-TELESCOPE IN PROGRESS TO SB EQUIP	1,500.	1,188.	312.
LCO-2010 SB SOFTWARE	83,042.	83,042.	0.
LCO-SB 2010 IN HOUSE TELESCOPES	12,500.	9,899.	2,601.
2010-TELESCOPES IN PROGRESSES TO SEDGWICK	134,970.	106,854.	28,116.
LCO-2011 SB LABEL PRINTER	3,971.	3,375.	596.
LCO-2011 SB IN HOUSE TELESCOPES	27,588.	19,542.	8,046.
LCO-2011 SB FORKLIFT	16,361.	11,586.	4,775.
LCO-2011 SB LAB EQUIP	32,362.	22,924.	9,438.
FAULKES N.-2011 TELESCOPE	86,460.	61,243.	25,217.
LCO-2011 COMPUTERS	66,982.	66,982.	0.
LCO-LH-2011 CORTONA	12,653.	2,741.	9,912.
FAULKES S-2011 EQUIPMENT	28,454.	20,154.	8,300.

FAULKES S-2011 TELESCOPE	226,174.	160,208.	65,966.
LCO-2011 SB FURN & FIXT	7,739.	6,579.	1,160.
2011 LENOVO LAPTOP	1,584.	1,584.	0.
SEDGWICK TELESCOPE	67,156.	47,566.	19,590.
CISCO CATALYST PORT SWITCH	3,660.	3,660.	0.
FN-TELESCOPE 2012	505,107.	310,428.	194,679.
LAB EQUIPMENT-2012	34,259.	21,056.	13,203.
MCDONALD SITE-COMPUTER 2012	184,017.	184,017.	0.
MCDONALD SITE-TELESCOPE	910,065.	540,353.	369,712.
CHILE SITE-COMPUTER 2012	184,017.	184,017.	0.
FS-TELESCOPE 2012	403,902.	239,819.	164,083.
CHILE SITE-COMPUTER	2,503,555.	1,486,219.	1,017,336.
CHILE SITE-LH IMPROV	1,234,303.	222,862.	1,011,441.
MCDONALD SITE-LH IMPROV	978,776.	176,725.	802,051.
SEDGWICK TELESCOPE-2012	134,709.	79,985.	54,724.
MCDONALD SITE COMPUTERS-2013	4,492.	4,492.	0.
FTS-1M-COMPUTERS-2013	161,499.	161,499.	0.
LEASEHOLD IMP-LCO-2013	17,833.	2,858.	14,975.
SEDGWICK SITE TELESCOPE	113,713.	60,410.	53,303.
CHILE SITE COMPUTER EQUIP-2013	5,597.	5,597.	0.
LCO-SB 2013 COMPUTERS	48,651.	48,651.	0.
LCO-SB 2013 LAB EQUIP	5,700.	3,028.	2,672.
FS TELESCOPE-2013	90,403.	48,029.	42,374.
FN TELESCOPE-2013	188,922.	100,367.	88,555.
COMPRESSOR REPLACEMENT	2,590.	1,323.	1,267.
SOUTH AFRICA SITE-TELESCOPE 2013	2,589,533.	1,321,738.	1,267,795.
SOUTH AFRICA SITE DEVELOP.-2013	1,147,716.	177,800.	969,916.
SOUTH AFRICA SITE-COMPUTER,-2013	202,029.	202,029.	0.
FS-1M TELESCOPE	1,668,195.	851,473.	816,722.
2013 FS-1M SITE DEVELOPMENT	679,088.	105,204.	573,884.
CHILE SITE DEVELOP-2013	56,032.	8,682.	47,350.
CHILE-TELESCOPE-2013	93,776.	47,867.	45,909.
MCDON SITE-TELESCOPE 2013	43,577.	22,240.	21,337.
MCDON SITE DEVELOP.-2013	45,547.	7,057.	38,490.
SHARP COLOR LASER PRINTER	5,893.	5,893.	0.
MCDON. SITE-TELESCOPE-2014	33,128.	14,840.	18,288.
FS TELESCOPE-2014	66,256.	29,676.	36,580.
SOUTH AFRICA SITE-TELESCOPE-2014	99,385.	44,516.	54,869.
CHILE TELESCOPES-2014	1,161,376.	520,198.	641,178.
LAB EQUIPMENT-2014	88,740.	39,748.	48,992.
FN TELESCOPE-2014	116,223.	52,057.	64,166.
COMPUTERS-LCO-2014	156,624.	156,624.	0.
LH IMPROVEMENTS-TELESCOPE SITES-2014	72,800.	9,413.	63,387.
SOFTWARE LCO-2014	14,850.	14,850.	0.
HP ENVY X 810-460 GAMING DESKTOP (CORE I7, 16GB, 1TB HDD) - AUSTIN RI	4,427.	4,427.	0.
15 INCH MACBOOK PRO- SN C02QK0ALGWD	3,423.	3,423.	0.

GUROBI OPTIMIZATION =

PERPETUAL

NAMED-USER-UNLIMITED-USE,	14,400.	14,400.	0.
FOUNDATION SEARCH/BIG ONLINE -			
5 YEAR MEMBERSHIP (2 USERS)	8,995.	7,496.	1,499.
TO CAPITALIZE WAGES FOR			
TELESCOPE CONTROL SYSTEM			
UPGRADES.	181,874.	72,748.	109,126.
TO CAPITALIZE WAGES FOR			
NETWORK SCHEDULING SYSTEM			
UPGRADE.	79,048.	31,620.	47,428.
PRODUCT DESIGN SUITE ULTIMATE			
UPGRADE FROM CURRENT VERSION			
PDS PREMIUM	4,200.	4,200.	0.
SECURE SYNC TIME AND FREQUENCY			
SYNCHRONIZATION AND OPTION			
CARD	4,212.	3,859.	353.
TO CAPITALIZE WAGES FOR			
UPGRADES TO FTN.	2,694.	540.	2,154.
TO CAPITALIZE 2015 FTN			
DEVELOPMENT CHARGED AS			
EXPENSES	1,162.	232.	930.
TO CAPITALIZE 2 0.4M			
TELESCOPES TO MAUI	403,491.	80,700.	322,791.
LENOVO X1 CARBON S3 WITH 256GB			
SSD AND 8GB RAMTHINKPAD			
ONLELINK DOCK,	1,765.	1,765.	0.
SECURE SYNC TIME AND FREQUENCY			
SYNCHRONIZATION AND OPTION			
CARD	4,212.	3,859.	353.
TO CAPITALIZE WAGES FOR			
UPGRADES TO FTS	6,495.	1,300.	5,195.
CAPITALIZE TO FTS FOR WORK ON			
0.4M TELESCOPE CHARGED AS			
EXPENSE	965.	192.	773.
TO CAPITALIZE 2 0.4M			
TELESCOPES TO COJ	403,491.	80,700.	322,791.
TO CAPITALIZE SERVICE PANEL			
UPGRADE INSTALLED IN CHILE.	4,384.	876.	3,508.
TO CAPITALIZE SERVICE PANEL			
UPGRADE INSTALLED IN SOUTH			
AFRICA	4,384.	876.	3,508.
TO CAPITALIZE WAGES FOR NEW			
CONSTRUCTION AT TFN.	31,106.	6,220.	24,886.
TO CAPITALIZE 2 0.4M			
TELESCOPES TO TENERIFE.	405,194.	81,040.	324,154.
TO CAPITALIZE 1 AQAWAN TO			
TENERIFE.	61,352.	12,272.	49,080.
TO CAPITALIZE SITE DEVELOPMENT			
TO TENERIFE.	267,531.	53,508.	214,023.
TO CAPIALIZE SERVICE PANEL			
UPGRADE INSTALLED IN TENERIFE.	4,384.	876.	3,508.
TO CAPITALIZE SITE WORK TO			
PREPARE FOR 0.4M TENERIFE			
INSTALLATION	30,884.	6,176.	24,708.

SOFTWARE-TCS	1,403,399.	662,717.	740,682.
TCS INTER. DEV SOFTWARE-2013	448,092.	272,588.	175,504.
ID-SCHEDULER SOFTWARE-2013	706,993.	689,071.	17,922.
HP ENVY PHOENIX 860ST DESKTOP			
- INTEL CORE I7-6700 QUAD-CORE			
3.4 GHZ,	1,800.	1,800.	0.
SANDISK ULTRA II 960GB SATA			
III 2.5-INCH 7MM HEIGHT SOLID			
STATE DRIVE	507.	507.	0.
APPLE MACBOOK PRO MF839LL/A			
13.3-INCH LAPTOP WITH RETINA			
DISPLAY (2.7	1,356.	1,356.	0.
NVIDIA QUADRO FX 5800 BY PNY			
4GB GDDR3 PCI EXPRESS GEN 2			
X16 DUAL DVI-	1,157.	1,157.	0.
HP 8 CORE COMPUTER WITH 16			
HYPERTHREADS HP Z800			
WORKSTATION 2 X INTE	3,200.	3,200.	0.
-MULTIPLE-	5,040.	5,040.	0.
LAPTOP - SOREN - NEOPRENE			
SLEEVE INCASE, MAGSAFE ADAPTER			
LAPTOP FOR SO	1,216.	1,216.	0.
ETIENNE - ASUS COMPUTER	1,433.	1,433.	0.
3 YEAR DESKTOP PROTECTION			
PLAN (\$1000-1250) - BRIAN AND			
MARK B	140.	140.	0.
-MULTIPLE-	2,075.	2,075.	0.
-MULTIPLE-	1,484.	1,484.	0.
APPLE - MAC MINI INTEL CORE			
I5 (1.4GHZ) 4GB MEMORY			
500GB HARD DRIV	540.	540.	0.
TRIPP LITE SU16000RT4U 16000VA			
11200W UPS SMART ONLINE			
RACKMOUNT 16KVA	8,747.	8,747.	0.
-MULTIPLE-	3,351.	3,351.	0.
REFURBISHED DELL POWEREDGE			
R710 6-PORT (CONFIGURE TO			
ORDER) - TO MAKE	1,514.	1,514.	0.
LAPTOP AND POWER SUPPLY FOR			
BARRY STARR	1,795.	1,795.	0.
JARVIS BAMBOO ADJUSTINABLE			
HEIGHT DESK 72"X30" + ST	5,100.	3,740.	1,360.
JARVIS BAMBOO ADJUSTINABLE			
HEIGHT DESK 72"X30" + ST	785.	576.	209.
JARVIS BAMBOO ADJUSTINABLE			
HEIGHT DESK 72"X30" + ST	2,984.	2,040.	944.
JARVIS BAMBOO ADJUSTINABLE			
HEIGHT DESK FOR MARK B AND			
SANDY S	1,355.	813.	542.
QUICKBOOKS ENTERPRISE SILVER			
EDITION	3,383.	3,383.	0.
TO CAPITALIZE WAGES FROM BOTH			
LCO AND TTL	189,189.	56,757.	132,432.
TO CAPITLALIZE WAGES FOR			
SCHEDULING SOFTWARE	144,123.	43,236.	100,887.

TO CAPITALIZE WAGES FOR NEW CONSTRUCTION/DEPLOY HAWAII ENCL. CHARGES CAPITALIZED TO 0.4M TELE	8,573.	1,287.	7,286.
CAPITALIZE SINISTRO INSTRUMENTS TO FTS	2,035.	306.	1,729.
CAPITALIZE MOONBLINK WEBCAMS TO FTS	538,205.	80,730.	457,475.
CAPITALIZE SINISTRO TO CHILE	16,494.	2,475.	14,019.
CAPITALIZE ASAS-SN CHARGES TO CHILE	269,102.	40,365.	228,737.
CAPITALIZE MOONBLINK WEBCAMS TO CHILE	8,387.	1,257.	7,130.
CAPITALIZE SINISTRO TO MCDONALD	18,184.	2,727.	15,457.
CAPITALIZE SVC PANEL UPGRADE TO MCDONALD	269,102.	40,365.	228,737.
CAPITALIZE MOONBLINK WEBCAMS TO MCDONALD	13,945.	2,091.	11,854.
TO CAPITALIZE WAGES FOR NEW CONSTRUCTION/DEPLOY SO AFRICA	7,274.	1,092.	6,182.
CAPITALIZE SINISTROS TO S. AFRICA	2,962.	444.	2,518.
CAPITALIZE MOONBLINK WEBCAMS TO S. AFRICA	807,307.	121,095.	686,212.
TO CAPITALIZE MOONBLINK WEBCAMS TO TENERIFE.	10,910.	1,638.	9,272.
HVAC SYSTEM SERVER ROOM	3,637.	546.	3,091.
SOVEREIGN 2893-SRT	7,169.	1,015.	6,154.
MANEUROP RECIPROCATING COMPRESSOR	6,807.	822.	5,985.
CAPITALIZE SUPERFIN FROM SPARES	6,449.	644.	5,805.
CAPITALIZE SUPERFIN FROM SPARES	39,597.	3,960.	35,637.
CAPITALIZE SUPERFIN FROM SPARES	39,597.	3,960.	35,637.
CAPITALIZE SUPERFIN FROM SPARES	39,597.	3,960.	35,637.
CAPITALIZE SUPERFIN FROM SPARES	39,597.	3,960.	35,637.
CAPITALIZE ALL SKY CAMERA FROM SPARES	16,146.	1,614.	14,532.
CAPITALIZE ALL SKY CAMERA FROM SPARES	16,146.	1,614.	14,532.
CAPITALIZE ALL SKY CAMERA FROM SPARES	16,146.	1,614.	14,532.
CAPITALIZE ALL SKY CAMERA FROM SPARES	16,146.	1,614.	14,532.
CAPITALIZE ALL SKY CAMERA FROM SPARES	16,146.	1,614.	14,532.
CAPITALIZE MEROPPE FROM SPARES	16,146.	1,614.	14,532.
CAPITALIZE MEROPPE FROM SPARES	217,582.	21,758.	195,824.
CAPITALIZE SPECTRAL FROM SPARES	217,583.	21,758.	195,825.
	138,655.	13,866.	124,789.

CAPITALIZE SPECTRAL FROM SPARES	138,655.	13,866.	124,789.
CAPITALIZE CONTEXT CAMERA FROM SPARES	12,441.	1,244.	11,197.
CAPITALIZE CONTEXT CAMERA FROM SPARES	12,441.	1,244.	11,197.
CAPITALIZE CONTEXT CAMERA FROM SPARES	12,441.	1,244.	11,197.
CAPITALIZE CONTEXT CAMERA FROM SPARES	12,441.	1,244.	11,197.
CAPITALIZE CYRO CABINET - PROTOTYPE EQUIP	33,128.	3,312.	29,816.
CAPITALIZE DUPS UPGRADE	2,814.	282.	2,532.
CAPITALIZE SEMS FROM SPARES	26,447.	2,644.	23,803.
CAPITALIZE SEMS FROM SPARES	26,447.	2,644.	23,803.
CAPITALIZE SEMS FROM SPARES	26,447.	2,644.	23,803.
CAPITALIZE SEMS FROM SPARES	26,447.	2,644.	23,803.
CAPITALIZE SINISTRO FROM SPARES	1,162,882.	116,288.	1,046,594.
CAPITALIZE IXON FROM CAMERA	90,574.	9,058.	81,516.
CAPITALIZE ASAS-SN	126,648.	12,664.	113,984.
CAPITALIZE SINISTRO	431,100.	43,110.	387,990.
CAPITALIZE SINISTRO	431,100.	43,110.	387,990.
CAPITALIZE SINISTRO	431,100.	43,110.	387,990.
CAPITALIZE SINISTRO	431,100.	43,110.	387,990.
CAPITALIZE WISE INTERGRATION	55,175.	5,518.	49,657.
CAPITALIZE NRES	1,022,429.	102,242.	920,187.
CAPITALIZE NRES	1,022,429.	102,242.	920,187.
CAPITALIZE NRES	1,022,429.	102,242.	920,187.
CAPITALIZE NRES	1,022,429.	102,242.	920,187.
CAPITALIZE IGLOO	102,036.	10,204.	91,832.
CAPITALIZE IGLOO	102,036.	10,204.	91,832.
CAPITALIZE IGLOO	102,036.	10,204.	91,832.
CAPITALIZE IGLOO	102,036.	10,204.	91,832.
CAPITALIZE 0.4M TELESCOPE	818,811.	81,882.	736,929.
CAPITALIZE 0.4M TELESCOPE	818,811.	81,882.	736,929.
CAPITALIZE 0.4M TELESCOPE	818,811.	81,882.	736,929.
CAPITALIZE AQAWAN	61,352.	6,136.	55,216.
CAPITALIZE AQAWAN	61,352.	6,136.	55,216.
CAPITALIZE AQAWAN	61,352.	6,136.	55,216.
CAPITALIZED LABOR 2017	36,006.	3,600.	32,406.
CAPITALIZED LABOR 2017	12,389.	1,238.	11,151.
2006 BULK ASSESTS	5,938.	5,938.	0.
2007 BULK ASSETS	26,339.	26,339.	0.
2008 BULK ASSETS	61,470.	61,470.	0.
2009 BULK ASSETS	7,928.	7,928.	0.
2011 BULK ASSETS	10,003.	10,003.	0.
2010 BULK ASSETS	809.	809.	0.
2012 BULK ASSETS	5,103.	5,103.	0.
2014 BULK ASSETS	1,998.	1,998.	0.
APPLE LAPTOP	2,907.	1,211.	1,696.
MACBOOK PRO	4,107.	1,711.	2,396.
LEVEL 4 SEC BUNDLE	6,298.	1,575.	4,723.
ARCHITECT DESIGN - EAST BEACH	4,221.	264.	3,957.

LAS CUMBRES OBSERVATORY G.T.N., INC.

77-0361278

SKODA OCTAVIA MY18 AUTOMATIC	23,306.	5,438.	17,868.
THINKPAD P52	2,960.	789.	2,171.
AC UNIT	5,636.	611.	5,025.
HARRIS GEOSPATIAL SOLUTIONS LICENSE	8,375.	2,094.	6,281.
CAPITALIZE SINISTRO	928,747.	100,615.	828,132.
CAPITALIZE NRES	441,264.	47,803.	393,461.
CAPITALIZE WISE INTERGRATION	27,536.	2,983.	24,553.
CAPITALIZE SOAR	58,086.	12,585.	45,501.
CAPITALIZE TOM TOOLKIT	210,278.	45,561.	164,717.
TRAILER	2,067.	189.	1,878.
BUILDING IMPROVEMENTS	22,000.	3,300.	18,700.
BATTERIES	10,283.	771.	9,512.
BATTERIES	5,053.	758.	4,295.
SUPERNOVA COMPUTER EQUIPMENT	8,200.	1,093.	7,107.
APOHPHIS COMPUTER EQUIPMENT	6,614.	992.	5,622.
MBP COMPUTER EQUIPMENT	3,012.	351.	2,661.
ALTUM DESIGNER PRIVATE SOFTWARE	7,674.	767.	6,907.
CAPITALIZE ELP 1M TELESCOPE	1,201,308.	30,033.	1,171,275.
LENOVO XI COMPUTER	3,156.	158.	2,998.
THINKPAD X1 COMPUTER	2,501.	125.	2,376.
APPLE MBP COMPUTER	3,599.	180.	3,419.
CHAMPION COMPRESSOR	23,445.	586.	22,859.
CAPITALIZE SOAR	198,365.	9,918.	188,447.
CAPITALIZE TOM TOOLKIT	439,774.	0.	439,774.
TOTAL TO FM 990-PF, PART II, LN 14	55,926,387.	27,114,827.	28,811,560.

FORM 990-PF

TRANSFERS TO CONTROLLED ENTITIES
PART VII-A, LINE 11

STATEMENT 12

NAME OF CONTROLLED ENTITY

EMPLOYER ID NO

TELESCOPE TECHNOLOGIES LTD

00-0000000

ADDRESS

UNIT 2, HAMILTON PLAZA, DUNCAN ST
BERKENHEAD, WIRRAL, UNITED KINGDOM 41

DESCRIPTION OF TRANSFER

NET CONTRACT SERVICES/TELESCOPE CONSTRUCTION PAID TO SUBSIDIARY AND NET
BOOK INCOME FROM SUBSIDIARYAMOUNT
OF TRANSFER

450,147.

TOTAL AMOUNT OF TRANSFERS TO CONTROLLED ENTITIES

450,147.

FORM 990-PF

SCHEDULE OF CONTROLLED ENTITIES
PART VII-A, LINE 11

STATEMENT 13

NAME OF CONTROLLED ENTITY

EMPLOYER ID NO

TELESCOPE TECHNOLOGIES LTD

00-0000000

ADDRESS

EXCESS BUSINESS HOLDING [] YES [X] NO

UNIT 2, HAMILTON PLAZA, DUNCAN ST
BERKENHEAD, WIRRAL, UNITED KINGDOM 41

FORM 990-PF

PART XV - LINE 1A
LIST OF FOUNDATION MANAGERS

STATEMENT 14

NAME OF MANAGER

DOROTHY ROSING
LARS BILDSTEN, PHD

2019 DEPRECIATION AND AMORTIZATION REPORT

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Asset No	Description	Date Acquired	Method	Life	C o n v	Line No	Unadjusted Cost Or Basis	Bus % Excl.	Section 179 Expense	Reduction In Basis	Basis For Depreciation	Beginning Accumulated Depreciation	Current Sec 179 Expense	Current Year Deduction	Ending Accumulated Depreciation
35	FAULKES TELESCOPE	09/01/05	ADS	12.00		MC17	8,816,667.				8,816,667.	8,816,667.		0.	8,816,667.
42	TRUCK/LIFT	05/27/05	ADS	5.00		HY17	22,371.				22,371.	22,371.		0.	22,371.
56	LCO-SB SOFTWARE	07/01/06	SL	3.00		HY16	211,836.				211,836.	211,836.		0.	211,836.
58	VEHICLES	07/01/06	ADS	5.00		HY17	13,595.				13,595.	13,595.		0.	13,595.
60	LEASEHOLD IMPROVEMENTS	07/01/06	SL	39.00		MM17	712,289.				712,289.	227,539.		18,264.	245,803.
61	TELESCOPES-EQUIPMENT	07/19/06	ADS	10.00		MC17	81,115.				81,115.	70,130.		0.	70,130.
62	FAULKES-TRUCK	11/17/06	ADS	5.00		MC17	26,728.				26,728.	26,728.		0.	26,728.
63	FAULKES-COMPUTER EQUIP	11/18/06	SL	5.00		HY17	10,229.				10,229.	10,229.		0.	10,229.
64	FAULKES-MODULAR SPACE	12/15/06	ADS	12.00		MC17	7,083.				7,083.	7,083.		0.	7,083.
65	LCO-SB SOFTWARE	07/01/07	SL	3.00		HY16	213,534.				213,534.	213,534.		0.	213,534.
67	LCO-SB LAB EQUIPMENT	07/01/07	ADS	12.00		HY17	142,392.				142,392.	136,459.		5,933.	142,392.
68	LCO-SB COMPUTERS	07/01/07	ADS	5.00		HY17	208,747.				208,747.	208,747.		0.	208,747.
70	LCO-SB EQUIPMENT	07/01/07	ADS	12.00		HY17	65,503.				65,503.	62,776.		2,727.	65,503.
71	EQUIPMENT-TIP 2007	07/01/07	ADS	23.00		MC17	65,129.				65,129.	51,352.		2,832.	54,184.
72	LCO-SB FURN & FIXT	07/01/07	ADS	10.00		HY17	157,144.				157,144.	157,144.		0.	157,144.
73	LCO-SB TELESCOPES	07/01/07	ADS	12.00		HY17	922,543.				922,543.	884,206.		38,437.	922,543.
74	FAULKES N-EQUIPMENT	07/01/07	ADS	12.00		HY17	4,763.				4,763.	4,565.		198.	4,763.
77	LEASEHOLD IMPROVEMENTS-2008	07/01/08	SL	39.00		MM17	1,593,468.				1,593,468.	427,335.		40,358.	1,609,193.

928111 04-01-19

(D) - Asset disposed

* ITC, Salvage, Bonus, Commercial Revitalization Deduction, GO Zone

2019 DEPRECIATION AND AMORTIZATION REPORT

FORM 990-PF PAGE 1

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Asset No	Description	Date Acquired	Method	Life	C o n v	Line No	Unadjusted Cost Or Basis	Bus % Excl	Section 179 Expense	Reduction In Basis	Basis For Depreciation	Beginning Accumulated Depreciation	Current Sec 179 Expense	Current Year Deduction	Ending Accumulated Depreciation
84	PTS-TELESCOPE-2008	07/01/08	ADS	12.00		MC17	530,149.				530,149.	458,357.		44,179.	502,536.
87	PTN-TELESCOPES 2008	07/01/08	ADS	12.00		MC17	600,606.				600,606.	519,276.		50,051.	569,327.
88	2005 FORD ESCAPE HYBRID	07/31/08	ADS	5.00		MC17	16,970.				16,970.	14,617.		0.	14,617.
89	2006 TOYOTA PRIUS	07/31/08	ADS	5.00		MC17	18,005.				18,005.	14,901.		0.	14,901.
94	2009-FN TELESCOPE	07/01/09	ADS	12.00		HY17	847,907.				847,907.	671,260.		70,659.	741,919.
95	2009-FS TELESCOPE	07/01/09	ADS	12.00		HY17	737,719.				737,719.	584,030.		61,177.	645,507.
102	2009-SEDGWICK TELESCOPE	07/01/09	ADS	12.00		HY17	733,850.				733,850.	580,963.		61,154.	642,117.
103	2009-SB LEASHOLD IMPV	07/01/09	SL	39.00		MM17	36,336.				36,336.	8,815.		932.	19,747.
104	LCO-2010 SB F&F	07/01/10	ADS	10.00		HY17	11,292.				11,292.	8,522.		1,129.	9,651.
109	2010-TELESCOPE IN PROGRESS TO FAULKES S	07/01/10	ADS	12.00		HY17	47,497.				47,497.	33,643.		3,958.	37,601.
110	2010-TELESCOPE IN PROGRESS TO FAULKES-N	07/01/10	ADS	12.00		HY17	47,497.				47,497.	33,643.		3,958.	37,601.
111	2010-TELESCOPE IN PROGRESS TO SB EQUIP	07/01/10	ADS	12.00		HY17	1,500.				1,500.	1,063.		125.	1,188.
112	LCO-2010 SB SOFTWARE	07/01/10	SL	3.00		HY16	83,042.				83,042.	83,042.		0.	83,042.
113	LCO-SB 2010 IN HOUSE TELESCOPES	07/01/10	ADS	12.00		HY17	12,500.				12,500.	8,857.		1,042.	9,899.
114	2010-TELESCOPES IN PROGRES TO SEDGWICK	12/31/10	ADS	12.00		HY17	134,970.				134,970.	95,606.		11,248.	106,854.
115	LCO-2011 SB LABEL PRINTER	03/09/11	ADS	10.00		HY17	3,971.				3,971.	2,978.		397.	3,375.
116	LCO-2011 SB IN HOUSE TELESCOPES	04/20/11	ADS	12.00		HY17	27,588.				27,588.	17,243.		2,299.	19,542.
117	LCO-2011 SB FORKLIFT	06/27/11	ADS	12.00		HY17	16,361.				16,361.	10,223.		1,363.	11,586.

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(D) - Asset disposed

* ITC, Salvage, Bonus, Commercial Revitalization Deduction, GO Zone

2019 DEPRECIATION AND AMORTIZATION REPORT

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Asset No	Description	Date Acquired	Method	Life	C o n v	Line No	Unadjusted Cost Or Basis	Bus % Excl	Section 179 Expense	Reduction In Basis	Basis For Depreciation	Beginning Accumulated Depreciation	Current Sec 179 Expense	Current Year Deduction	Ending Accumulated Depreciation
118	LCO-2011 SB LAB EQUIP	07/01/11	ADS	12.00		HY17	32,362.				32,362.	20,227.		2,697.	22,924.
119	PAULKES N-2011 TELESCOPE	07/01/11	ADS	12.00		HY17	86,460.				86,460.	54,038.		7,205.	61,243.
120	LCO-2011 COMPUTERS	07/01/11	ADS	5.00		HY17	66,982.				66,982.	66,982.		0.	66,982.
122	LCO-LH-2011 CORTONA	07/01/11	SL	39.00		MM17	12,653.				12,653.	2,117.		324.	2,741.
123	PAULKES S-2011 EQUIPMENT	07/01/11	ADS	12.00		HY17	28,454.				28,454.	17,783.		2,371.	20,154.
124	PAULKES S-2011 TELESCOPE	07/01/11	ADS	12.00		HY17	226,174.				226,174.	141,360.		18,848.	160,208.
125	LCO-2011 SB FURN & FIXT	07/01/11	ADS	10.00		HY17	7,739.				7,739.	5,805.		774.	6,579.
126	2011 LENOVO LAPTOP	07/01/11	ADS	5.00		HY17	1,584.				1,584.	1,584.		0.	1,584.
129	SEDGWICK TELESCOPE	12/31/11	ADS	12.00		HY17	67,156.				67,156.	41,970.		5,596.	47,566.
131	CISCO CATALYST PORT SWITCH	01/30/12	ADS	5.00		MQ17	3,660.				3,660.	3,660.		0.	3,660.
132	FN-TELESCOPE 2012	07/01/12	ADS	12.00		MQ17	505,107.				505,107.	268,336.		42,092.	310,428.
134	LAB EQUIPMENT 2012	08/15/12	ADS	12.00		MQ17	34,259.				34,259.	18,201.		2,855.	21,056.
136	MCDONALD SITE-COMPUTER 2012	12/31/12	ADS	5.00		MQ17	184,017.				184,017.	184,017.		0.	184,017.
137	MCDONALD SITE-TELESCOPE	12/31/12	ADS	12.00		MQ17	910,065.				910,065.	664,514.		75,639.	540,353.
138	CHILE SITE-COMPUTER 2012	12/31/12	ADS	5.00		MQ17	184,017.				184,017.	184,017.		0.	184,017.
139	FS-TELESCOPE 2012	12/31/12	ADS	12.00		MQ17	403,902.				403,902.	206,160.		33,659.	239,819.
140	CHILE SITE-COMPUTER	12/31/12	ADS	12.00		MQ17	2,503,555.				2,503,555.	1,277,589.		208,630.	1,486,219.
141	CHILE SITE-LH IMPROV	12/31/12	SL	39.00		MM17	1,234,303.				1,234,303.	191,213.		31,649.	222,862.

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142	MCDONALD SITE-LH IMPROV	12/31/12	SL	39.00	MM17	MM17	978,776.				978,776.	151,628.		25,097.	176,725.
143	SEDGWICK TELESCOPE 2012	12/31/12	ADS	12.00	MM17	MM17	134,709.				134,709.	68,759.		11,226.	79,985.
145	MCDONALD SITE COMPUTERS-2013	07/01/13	ADS	5.00	MM17	MM17	4,492.				4,492.	4,492.		0.	4,492.
146	PTS-1M-COMPUTERS-2013	07/01/13	ADS	5.00	MM17	MM17	161,499.				161,499.	161,499.		0.	161,499.
147	LEASEHOLD IMP-LCO-2013	07/01/13	ADS	40.00	MM17	MM17	17,833.				17,833.	2,412.		446.	2,858.
148	SEDGWICK SITE TELESCOPE	07/01/13	ADS	12.00	MM17	MM17	113,713.				113,713.	50,934.		9,476.	60,410.
149	CHILE SITE COMPUTER EQUIP-2013	07/01/13	ADS	5.00	MM17	MM17	5,597.				5,597.	5,597.		0.	5,597.
150	LCO-SB 2013 COMPUTERS	07/01/13	ADS	5.00	MM17	MM17	48,651.				48,651.	48,651.		0.	48,651.
151	LCO-SB 2013 LAB EQUIP	07/01/13	ADS	12.00	MM17	MM17	5,700.				5,700.	2,553.		475.	3,028.
152	FS TELESCOPE 2013	07/01/13	ADS	12.00	MM17	MM17	90,403.				90,403.	40,495.		7,534.	48,029.
153	FN TELESCOPE-2013	07/01/13	ADS	12.00	MM17	MM17	188,922.				188,922.	84,623.		15,744.	100,367.
155	COMPRESSOR REPLACEMENT	10/09/13	ADS	12.00	MM17	MM17	2,590.				2,590.	1,107.		216.	1,323.
156	SOUTH AFRICA SITE-TELESCOPE 2013	12/31/13	ADS	12.00	MM17	MM17	2,589,533.				2,589,533.	1,105,944.		215,794.	1,321,738.
157	SOUTH AFRICA SITE DEVELOP-2013	12/31/13	SL	39.00	MM17	MM17	1147,716.				1,147,716.	148,371.		29,429.	177,800.
158	SOUTH AFRICA SITE-COMPUTER, -2013	12/31/13	ADS	5.00	MM17	MM17	202,029.				202,029.	202,029.		0.	202,029.
159	FS-1M TELESCOPE	12/31/13	ADS	12.00	MM17	MM17	1,668,195.				1,668,195.	712,457.		139,016.	851,473.
160	2013 FS-1M SITE DEVELOPMENT	12/31/13	SL	39.00	MM17	MM17	679,088.				679,088.	87,791.		17,413.	105,204.
161	CHILE SITE DEVELOP-2013	12/31/13	SL	39.00	MM17	MM17	56,032.				56,032.	7,245.		1,437.	6,682.

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162	CHILE-TELESCOPE-2013	12/31/13	ADS	12.00	MC	17	93,776.				93,776.	40,052.		7,815.	47,867.
163	MCDON SITE-TELESCOPE-2013	12/31/13	ADS	12.00	MC	17	43,577.				43,577.	18,609.		3,631.	22,240.
164	MCDON SITE DEVELOP.-2013	12/31/13	SL	39.00	MC	17	45,547.				45,547.	5,889.		1,168.	7,057.
165	SHARP COLOR LASER PRINTER	01/01/14	ADS	5.00	MC	17	5,893.				5,893.	5,747.		146.	5,893.
166	MCDON. SITE-TELESCOPE-2014	07/01/14	ADS	12.00	MC	17	33,128.				33,128.	12,079.		2,761.	14,840.
167	PS TELESCOPE-2014	07/01/14	ADS	12.00	MC	17	66,256.				66,256.	24,155.		5,521.	29,676.
168	SOUTH AFRICA SITE-TELESCOPE-2014	07/01/14	ADS	12.00	MC	17	99,385.				99,385.	36,234.		8,282.	44,516.
169	CHILE TELESCOPES-2014	07/01/14	ADS	12.00	MC	17	1,161,376.				1,161,376.	423,417.		96,781.	520,198.
170	LAB EQUIPMENT-2014	07/01/14	ADS	12.00	MC	17	88,740.				88,740.	32,353.		7,395.	39,748.
171	FN-TELESCOPE-2014	07/01/14	ADS	12.00	MC	17	116,223.				116,223.	42,372.		9,685.	52,057.
172	COMPUTERS-LCO-2014	07/01/14	ADS	5.00	MC	17	156,624.				156,624.	137,046.		19,578.	156,624.
173	LH-IMPROVEMENTS-TELESCOPE SITES-2014	12/31/14	SL	39.00	MC	17	72,800.				72,800.	7,546.		1,867.	9,413.
174	SOFTWARE LCO-2014	12/31/14	SL	3.00	HY	16	14,850.				14,850.	14,850.		0.	14,850.
184	HP ENVY X810-460 GAMING DESKTOP-(CORE I7-16GB-1TB	08/13/15	SL	3.00	16		4,427.				4,427.	4,427.		0.	4,427.
191	15 INCH MACBOOK PRO- SN C02QK0ALGWD	12/18/15	SL	3.00	16		3,423.				3,423.	3,423.		0.	3,423.
192	GURORI OPTIMIZATION = PERPETUAL NAMED USER UNLIMITED	03/11/15	SL	3.00	16		14,400.				14,400.	14,400.		0.	14,400.
194	FOUNDATION SEARCH/BIG ONLINE - 5 YEAR MEMBERSHIP (2 USER	11/09/15	SL	5.00	16		8,995.				8,995.	5,697.		1,799.	7,496.
195	TO CAPITALIZE WAGES FOR TELESCOPE CONTROL SYSTEM UPG	12/31/15	SL	10.00	16		181,874.				181,874.	54,561.		18,187.	72,748.

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196	TO CAPITALIZE WAGES FOR NETWORK SCHEDULING SYSTEM UP	12/31/15	SL	10.00		16	79,048.				79,048.	23,715.		7,905.	31,620.
197	PRODUCT DESIGN SUITE UPGRADES FROM CURRENT	06/10/15	SL	3.00		16	4,200.				4,200.	4,200.		0.	4,200.
198	SECURE SYNC TIME AND FREQUENCY SYNCHRONIZATION AN	05/26/15	SL	5.00		16	4,212.				4,212.	3,017.		842.	3,859.
200	TO CAPITALIZE WAGES FOR UPGRADES TO FTN	12/31/15	SL	20.00		16	2,694.				2,694.	105.		135.	540.
201	TO CAPITALIZE 2015 FTN DEVELOPMENT CHARGED AS EXPEN	12/31/15	SL	20.00		16	1,162.				1,162.	174.		58.	232.
202	TO CAPITALIZE 2 0.4M TELESCOPES TO MAINT	12/31/15	SL	20.00		16	403,491.				403,491.	60,525.		20,175.	80,700.
206	LENOVO X1 CARBON S3 WITH 256GB SSD AND 8GB RAMTHINKPA	06/18/15	SL	3.00		16	1,765.				1,765.	1,765.		0.	1,765.
207	SECURE SYNC TIME AND FREQUENCY SYNCHRONIZATION AN	05/26/15	SL	5.00		16	4,212.				4,212.	3,017.		842.	3,859.
209	TO CAPITALIZE WAGES FOR UPGRADES TO FTS	12/31/15	SL	20.00		16	6,495.				6,495.	975.		325.	1,300.
210	CAPITALIZE TO FTS FOR WORK ON 0.4M TELESCOPE CHARGED AS	12/31/15	SL	20.00		16	965.				965.	144.		48.	192.
211	TO CAPITALIZE 2 0.4M TELESCOPES TO COJ	12/31/15	SL	20.00		16	403,491.				403,491.	60,525.		20,175.	80,700.
212	TO CAPITALIZE SERVICE PANEL UPGRADE INSTALLED IN CHITGE	12/31/15	SL	20.00		16	4,384.				4,384.	657.		219.	1,876.
213	TO CAPITALIZE SERVICE PANEL UPGRADE INSTALLED IN SOUTH A	12/31/15	SL	20.00		16	4,384.				4,384.	657.		219.	876.
214	TO CAPITALIZE WAGES FOR NEW CONSTRUCTION AT FPN	12/31/15	SL	20.00		16	1,106.				1,106.	4,665.		1,355.	6,220.
215	TO CAPITALIZE 2 0.4M TELESCOPES TO TENERIFE.	12/31/15	SL	20.00		16	405,194.				405,194.	60,780.		20,260.	81,040.
216	TO CAPITALIZE 1 AQAWAN TO TENERIFE	12/31/15	SL	20.00		16	161,352.				161,352.	9,204.		3,068.	12,272.
217	TO CAPITALIZE SITE DEVELOPMENT TO TENERIFE.	12/31/15	SL	20.00		16	267,531.				267,531.	40,131.		13,377.	53,508.
218	TO CAPITALIZE SERVICE PANEL UPGRADE INSTALLED IN TENERIF	12/31/15	SL	20.00		16	4,384.				4,384.	657.		219.	1,876.

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219	TO CAPITALIZE SITE WORK TO PREPARE FOR 0.4M TENERIFE IN	12/31/15	SL	20.00		16	30,884.				30,884.	4,632.		1,544.	6,176.
222	SOFTWARE-TCS	12/31/12	197	180M		HY43	1,403,399.				1,403,399.	569,157.		93,560.	662,717.
223	TCS INTER. DEV SOFTWARE-2013	12/31/13	197	120M		HY43	448,092.				448,092.	227,779.		44,809.	272,588.
224	TD-SCHEDULER SOFTWARE-2013	12/31/13	197	120M		HY43	706,993.				706,993.	518,172.		70,699.	689,071.
	AMORTIZATION			.000		HY16									
248	HP-ENVY-PHOENIX-360ST DESKTOP - INTEL CORE I7-6700	02/25/16	SL	3.00		16	1,800.				1,800.	1,700.		100.	1,800.
249	SANDISK ULTRA II 960GB SATA III 2.5-INCH 7MM HEIGHT SOLI	02/25/16	SL	3.00		16	507.				507.	479.		28.	507.
250	APPLE MACBOOK PRO MP839LL/A 13.3-INCH LAPTOP WITH RETINA	02/28/16	SL	3.00		16	1,356.				1,356.	1,281.		75.	1,356.
251	NVIDIA QUADRO FX 5800 BY PNY 4GB GDDR3 PCI EXPRESS GEN 2	04/05/16	SL	3.00		16	1,157.				1,157.	1,061.		96.	1,157.
252	HP-8-CORE-COMPUTER WITH 16 HYPERTHREADS HP Z800 WORKSTA	04/05/16	SL	3.00		16	3,200.				3,200.	2,934.		266.	3,200.
253	-MULTIPLE-	04/24/16	SL	3.00		16	5,040.				5,040.	4,480.		560.	5,040.
254	LAPTOP - SOREN - NEOPRENE SLEEVE - INCASE - MAGSAFE ADAPT	06/06/16	SL	3.00		16	1,216.				1,216.	1,046.		170.	1,216.
255	ETIENNE - ASUS COMPUTER 3-YEAR DESKTOP PROTECTION PLAN - (\$1000-1250) - BRIAN A	06/24/16	SL	3.00		16	1,433.				1,433.	1,195.		238.	1,433.
256	-MULTIPLE-	07/27/16	SL	3.00		16	140.				140.	113.		27.	140.
258	-MULTIPLE-	07/28/16	SL	3.00		16	2,075.				2,075.	1,672.		403.	2,075.
259	-MULTIPLE-	07/28/16	SL	3.00		16	1,484.				1,484.	1,196.		288.	1,484.
260	APPLE - MAC MINI INTEL CORE I5 (1.4GHZ) 4GB MEMORY 5	09/26/16	SL	3.00		16	540.				540.	405.		135.	540.
261	TRIPP LITE SUL6000RTAU 16000VA-11200W UPS SMART ONL	10/05/16	SL	3.00		16	8,747.				8,747.	6,561.		2,186.	8,747.

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264	-MULTIPLE-	12/03/16	SL	3.00		16	3,351.				3,351.	2,327.		1,024.	3,351.
265	REPUBLICAN DEL POWEREDGE R710 6 PORTY (CONFIGURE TO OR	12/16/16	SL	3.00		16	1,514.				1,514.	1,010.		504.	1,514.
266	LAPTOP AND POWER SUPPLY FOR BARRY STARR	12/18/16	SL	3.00		16	1,795.				1,795.	1,196.		599.	1,795.
267	JARVIS BAMBOO ADJUSTINABLE HEIGHT DESK 72"X30" + ST	04/27/16	SL	5.00		16	5,100.				5,100.	2,720.		1,020.	5,740.
268	JARVIS BAMBOO ADJUSTINABLE HEIGHT DESK 72"X30" + ST	05/03/16	SL	5.00		16	785.				785.	419.		157.	576.
269	JARVIS BAMBOO ADJUSTINABLE HEIGHT DESK 72"X30" + ST	07/16/16	SL	5.00		16	2,984.				2,984.	1,043.		597.	2,040.
270	JARVIS BAMBOO ADJUSTINABLE HEIGHT DESK FOR MARK B AND S	12/22/16	SL	5.00		16	1,355.				1,355.	542.		271.	813.
271	QUICKBOOKS ENTERPRISE SILVER EDITION	12/05/16	SL	3.00		16	3,383.				3,383.	2,350.		1,033.	3,383.
272	BOTH LCO AND TTL	12/31/16	SL	10.00		16	189,189.				189,189.	37,838.		18,919.	56,757.
273	TO CAPITALIZE WAGES FOR SCHEDULING SOFTWARE	12/31/16	SL	10.00		16	144,123.				144,123.	28,624.		14,412.	43,236.
274	TO CAPITALIZE WAGES FOR NEW CONSTRUCTION/DEPLOY HAWAII	12/31/16	SL	20.00		16	8,573.				8,573.	858.		429.	1,287.
275	ENCL CHARGES CAPITALIZED TO 0 4M TELE	12/31/16	SL	20.00		16	2,035.				2,035.	204.		102.	306.
276	CAPITALIZE SINISTRO INSTRUMENTS TO FTS	12/31/16	SL	20.00		16	538,205.				538,205.	53,820.		26,910.	80,730.
277	CAPITALIZE MOONBLINK WEBCAMS TO FTS	12/31/16	SL	20.00		16	16,494.				16,494.	1,650.		825.	2,475.
278	CAPITALIZE SINISTRO TO CHILE	12/31/16	SL	20.00		16	269,102.				269,102.	26,910.		13,455.	40,365.
279	CAPITALIZE ASAS-SM CHARGES TO CHILE	12/31/16	SL	20.00		16	8,387.				8,387.	838.		419.	1,257.
280	CAPITALIZE MOONBLINK WEBCAMS TO CHILE	12/31/16	SL	20.00		16	18,184.				18,184.	1,818.		909.	2,727.
281	CAPITALIZE SINISTRO TO McDONALD	12/31/16	SL	20.00		16	269,102.				269,102.	26,910.		13,455.	40,365.

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352	CAPITALIZE ALL SKY CAMERA FROM SPARES	12/31/17	SL	20.00		16	16,146.				16,146.	807.		807.	1,614.
353	CAPITALIZE MEROPE FROM SPARES	12/31/17	SL	20.00		16	217,583.				217,583.	10,879.		10,879.	21,758.
354	CAPITALIZE MEROPE FROM SPARES	12/31/17	SL	20.00		16	217,583.				217,583.	10,879.		10,879.	21,758.
355	CAPITALIZE SPECTRAL FROM SPARES	12/31/17	SL	20.00		16	138,655.				138,655.	6,933.		6,933.	13,866.
356	CAPITALIZE SPECTRAL FROM SPARES	12/31/17	SL	20.00		16	138,655.				138,655.	6,933.		6,933.	13,866.
357	CAPITALIZE CONTEXT CAMERA FROM SPARES	12/31/17	SL	20.00		16	12,441.				12,441.	622.		622.	1,244.
358	CAPITALIZE CONTEXT CAMERA FROM SPARES	12/31/17	SL	20.00		16	12,441.				12,441.	622.		622.	1,244.
359	CAPITALIZE CONTEXT CAMERA FROM SPARES	12/31/17	SL	20.00		16	12,441.				12,441.	622.		622.	1,244.
360	CAPITALIZE CONTEXT CAMERA FROM SPARES	12/31/17	SL	20.00		16	12,441.				12,441.	622.		622.	1,244.
361	CAPITALIZE CYRO CABINET PROTOTYPE EQUIP	12/31/17	SL	20.00		16	33,128.				33,128.	1,656.		1,656.	3,312.
362	CAPITALIZE DUPS UPGRADE	12/31/17	SL	20.00		16	2,814.				2,814.	141.		141.	282.
363	CAPITALIZE SENS FROM SPARES	12/31/17	SL	20.00		16	26,447.				26,447.	1,322.		1,322.	2,644.
364	CAPITALIZE SENS FROM SPARES	12/31/17	SL	20.00		16	26,447.				26,447.	1,322.		1,322.	2,644.
365	CAPITALIZE SENS FROM SPARES	12/31/17	SL	20.00		16	26,447.				26,447.	1,322.		1,322.	2,644.
366	CAPITALIZE SENS FROM SPARES	12/31/17	SL	20.00		16	26,447.				26,447.	1,322.		1,322.	2,644.
367	CAPITALIZE SINISTRO FROM SPARES	12/31/17	SL	20.00		16	162,882.				162,882.	58,144.		58,144.	116,288.
368	CAPITALIZE IXON FROM CAMERA	12/31/17	SL	20.00		16	90,574.				90,574.	4,529.		4,529.	9,058.
369	CAPITALIZE ASAS-SN	12/31/17	SL	20.00		16	126,648.				126,648.	6,332.		6,332.	12,664.

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370	CAPITALIZE SINISTRO	12/31/17	SL	20.00		16	431,100.				431,100.	21,555.		21,555.	43,110.
371	CAPITALIZE SINISTRO	12/31/17	SL	20.00		16	431,100.				431,100.	21,555.		21,555.	43,110.
372	CAPITALIZE SINISTRO	12/31/17	SL	20.00		16	431,100.				431,100.	21,555.		21,555.	43,110.
373	CAPITALIZE SINISTRO	12/31/17	SL	20.00		16	431,100.				431,100.	21,555.		21,555.	43,110.
374	CAPITALIZE WISE INTERGRATION	12/31/17	SL	20.00		16	55,175.				55,175.	2,759.		2,759.	5,518.
375	CAPITALIZE NRES	12/31/17	SL	20.00		16	1,022,429.				1,022,429.	51,121.		51,121.	102,242.
376	CAPITALIZE NRES	12/31/17	SL	20.00		16	1,022,429.				1,022,429.	51,121.		51,121.	102,242.
377	CAPITALIZE NRES	12/31/17	SL	20.00		16	1,022,429.				1,022,429.	51,121.		51,121.	102,242.
378	CAPITALIZE NRES	12/31/17	SL	20.00		16	1,022,429.				1,022,429.	51,121.		51,121.	102,242.
379	CAPITALIZE IGLOO	12/31/17	SL	20.00		16	102,036.				102,036.	5,102.		5,102.	10,204.
380	CAPITALIZE IGLOO	12/31/17	SL	20.00		16	102,036.				102,036.	5,102.		5,102.	10,204.
381	CAPITALIZE IGLOO	12/31/17	SL	20.00		16	102,036.				102,036.	5,102.		5,102.	10,204.
382	CAPITALIZE IGLOO	12/31/17	SL	20.00		16	102,036.				102,036.	5,102.		5,102.	10,204.
383	CAPITALIZE 0.4M TELESCOPE	12/31/17	SL	20.00		16	818,811.				818,811.	40,941.		40,941.	81,882.
384	CAPITALIZE 0.4M TELESCOPE	12/31/17	SL	20.00		16	818,811.				818,811.	40,941.		40,941.	81,882.
385	CAPITALIZE 0.4M TELESCOPE	12/31/17	SL	20.00		16	818,811.				818,811.	40,941.		40,941.	81,882.
386	CAPITALIZE AQAWAN	12/31/17	SL	20.00		16	61,352.				61,352.	3,068.		3,068.	6,136.
387	CAPITALIZE AQAWAN	12/31/17	SL	20.00		16	61,352.				61,352.	3,068.		3,068.	6,136.

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(D) - Asset disposed

* ITC, Salvage, Bonus, Commercial Revitalization Deduction, GO Zone

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Asset No	Description	Date Acquired	Method	Life	Conv	Line No	Unadjusted Cost Or Basis	Bus % Excl	Section 179 Expense	* Reduction In Basis	Basis For Depreciation	Beginning Accumulated Depreciation	Current Sec 179 Expense	Current Year Deduction	Ending Accumulated Depreciation
388	CAPITALIZE AQAWAN	12/31/17	SL	20.00		16	61,352.				61,352.	3,068.		3,068.	6,136.
389	CAPITALIZED LABOR 2017	12/31/17	SL	20.00		16	36,006.				36,006.	1,800.		1,800.	3,600.
390	CAPITALIZED LABOR 2017	12/31/17	SL	20.00		16	12,389.				12,389.	619.		619.	1,238.
391	2006 BULK ASSETS	07/01/06	SL	10.00		16	5,938.				5,938.	5,938.		0.	5,938.
392	2007 BULK ASSETS	07/01/07	SL	10.00		16	26,339.				26,339.	26,339.		0.	26,339.
393	2008 BULK ASSETS	07/01/08	SL	10.00		16	61,470.				61,470.	61,470.		0.	61,470.
394	2009 BULK ASSETS	07/01/09	SL	10.00		16	7,928.				7,928.	7,928.		0.	7,928.
395	2011 BULK ASSETS	07/01/11	SL	5.00		16	10,003.				10,003.	10,003.		0.	10,003.
396	2010 BULK ASSETS	07/01/10	SL	10.00		16	809.				809.	809.		0.	809.
398	2012 BULK ASSETS	07/01/12	SL	5.00		16	5,103.				5,103.	5,103.		0.	5,103.
409	2014 BULK ASSETS	07/01/14	SL	5.00		16	1,998.				1,998.	1,998.		0.	1,998.
410	APPLE LAPTOP	10/01/18	SL	3.00		16	2,907.				2,907.	242.		969.	1,211.
411	MACBOOK PRO	10/01/18	SL	3.00		16	4,107.				4,107.	342.		1,369.	1,711.
412	LEVEL 4 SEC-BUNDLE	10/01/18	SL	5.00		16	6,298.				6,298.	315.		1,260.	1,575.
413	ARCHITECT DESIGN - EAST BEACH	10/01/18	SL	20.00		16	4,221.				4,221.	53.		211.	264.
414	SKODA OCTAVIA MY18 AUTOMATIC	10/30/18	SL	5.00		16	23,306.				23,306.	777.		4,661.	5,438.
415	THINKPAD P52	08/30/18	SL	5.00		16	2,960.				2,960.	197.		592.	789.
416	AC UNIT	11/20/18	SL	10.00		16	5,636.				5,636.	47.		564.	611.

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(D) - Asset disposed

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Asset No	Description	Date Acquired	Method	Life	Conv	Line No	Unadjusted Cost Or Basis	Bus % Excl	Section 179 Expense	Reduction In Basis	Basis For Depreciation	Beginning Accumulated Depreciation	Current Sec 179 Expense	Current Year Deduction	Ending Accumulated Depreciation
417	HARRIS GEOSPATIAL SOLUTIONS LICENSE	10/01/18	SL	5.00		16	8,375.				8,375.	419.		1,675.	2,094.
418	CAPITALIZE SINISTRO	12/13/18	SL	10.00		16	928,747.				928,747.	7,740.		92,875.	100,615.
419	CAPITALIZE NRES	12/13/18	SL	10.00		16	441,264.				441,264.	3,677.		44,126.	47,803.
420	CAPITALIZE WISE-INTERGRATION	12/13/18	SL	10.00		16	27,536.				27,536.	229.		2,754.	2,983.
421	CAPITALIZE SOAR	12/13/18	SL	5.00		16	58,086.				58,086.	968.		11,617.	12,585.
422	CAPITALIZE COM-TOOLKIT	12/13/18	SL	5.00		16	210,278.				210,278.	3,505.		42,056.	45,561.
423	TRAILER	01/27/19	SL	10.00		16	2,067.				2,067.			189.	189.
424	BUILDING IMPROVEMENTS	03/19/19	SL	5.00		16	22,000.				22,000.			3,300.	3,300.
425	BATTERIES	03/25/19	SL	10.00		16	10,283.				10,283.			771.	771.
426	BATTERIES	03/25/19	SL	5.00		16	5,053.				5,053.			758.	758.
427	SUPERNOVA COMPUTER EQUIPMENT	04/22/19	SL	5.00		16	8,200.				8,200.			1,093.	1,093.
428	APORPHIS COMPUTER EQUIPMENT	04/02/19	SL	5.00		16	6,614.				6,614.			992.	992.
429	MBP COMPUTER EQUIPMENT	05/22/19	SL	5.00		16	3,012.				3,012.			351.	351.
430	ALTUM DESIGNER-PRIVATE SOFTWARE	07/09/19	SL	5.00		16	7,674.				7,674.			767.	767.
431	CAPITALIZE ELP 1M TELESCOPE	07/10/19	SL	20.00		16	1,201,308.				1,201,308.			30,033.	30,033.
432	LENOVO X1 COMPUTER	09/24/19	SL	5.00		16	3,156.				3,156.			158.	158.
433	THINKPAD X1 COMPUTER	09/24/19	SL	5.00		16	2,501.				2,501.			125.	125.
434	APPLE MBP COMPUTER	09/14/19	SL	5.00		16	3,599.				3,599.			180.	180.

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(D) - Asset disposed

* ITC, Salvage, Bonus, Commercial Revitalization Deduction, GO Zone

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Asset No	Description	Date Acquired	Method	Life	Conv	Line No	Unadjusted Cost Or Basis	Bus % Excl	Section 179 Expense	Reduction In Basis	Basis For Depreciation	Beginning Accumulated Depreciation	Current Sec 179 Expense	Current Year Deduction	Ending Accumulated Depreciation
435	CHAMPION COMPRESSOR	10/10/19	SL	10.00		16	23,445.				23,445.			586.	586.
436	CAPITALIZE SOAR	09/30/19	SL	5.00		16	198,365.				198,365.			9,918.	9,918.
437	CAPITALIZE TOM TOOLKIT	12/31/19	SL	5.00		16	439,774.				439,774.			0.	0.
	DISPOSITIONS														
	(D) PARTIAL DISPOSITION -														
438	REFRACTOR TELESCOPE	07/01/10	ADS	12.00	HY17		12,500.				12,500.	10,523.		521.	11,044.
439	(D) PARTIAL DISPOSITION - ASAS-SN TELESCOPE CHILE	07/01/14	ADS	12.00	HY17		96,977.				96,977.	19,770.		4,041.	23,811.
440	(D) PARTIAL DISPOSITION - AQAWAN TO TENERIFE	12/31/15	SL	20.00		16	61,352.				61,352.	3,337.		0.	3,337.
441	(D) PARTIAL DISPOSITION - SOFTWARE 2014	12/31/14	SL	3.00	HY16		14,850.				14,850.	14,827.		0.	14,827.
442	(D) PARTIAL DISPOSITION - 2015 COMPUTERS	07/01/15	SL	3.00		16	9,615.				9,615.	9,615.		0.	9,615.
443	(D) PARTIAL DISPOSITION - MCDONALD SITE COMPUTERS	07/03/13	ADS	5.00	HY17		4,492.				4,492.	4,492.		0.	4,492.
444	(D) PARTIAL DISPOSITION - LAPTOP & NEOPRENE SLEEVE	06/06/16	SL	3.00		16	1,216.				1,216.	1,216.		0.	1,216.
	990-PF PG 1 TOTAL DISPOSITIONS						201,002.				201,002.	63,780.		4,562.	68,342.
	* GRAND TOTAL 990-PF PG 1						561,273,89.				561,273,89.	243,927,30.		2,790,439.	271,831,69.
	DEPR & AMORT														
	CURRENT YEAR ACTIVITY														
	BEGINNING BALANCE						541,903,38.			0.	541,903,38.	243,927,30.			271,339,48.
	ACQUISITIONS						1,937,051.			0.	1,937,051.	0.			49,221.
	DISPOSITIONS/RETIRED						201,002.			0.	201,002.	63,780.			68,342.
	ENDING BALANCE						559,263,87.			0.	559,263,87.	243,289,50.			271,148,27.

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(D) - Asset disposed

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