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 black lung benefit trust or private foundation)

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

Open to Public Inspection

A F	or the	200	07 calendar year, or tax year beginning a	nd ending			
	heck if		Please use IRS		D Empl	loyer identif	ication number
	Addre	ess ie	label or Print or Vatican Observatory Foundation		86	5-0559	994
	Name	,	type Number and street (or P.O. hox if mail is not delivered to street address)	Room/suite		hone numb	
	Initial		Specific 2017 East Lee Street	, noon, a constant			95-9866
	Termi		Instruc- tions City or town, state or country, and ZIP + 4		·	nting method	Cash X Accrual
	Amen	ded				other specify)	
	Applic	catio	 Section 501(c)(3) organizations and 4947(a)(1) nonexempt charitable trusts 	H and I are not app			527 organizations
	•	•	must attach à compléted Schedule A (Form 990 or 990-EZ)	H(a) Is this a group r			Yes X No
G W	Vebsit	e. 🕨	http://clavius.as.arizona.edu/vo/	H(b) If "Yes," enter nu			N/A
J 0	rganiz	zatio	on type (check only one) ► X 501(c) (3) ◀ (insert no) 4947(a)(1) or	527 H(c) Are all affiliates		P N/A	Yes No
K C	heck t	nere	▶ ☐ If the organization is not a 509(a)(3) supporting organization and its gross	(If "No," attach a		filed by an o	nr-
			e normally not more than \$25,000. A return is not required, but if the organization	ganization cove	red by a	group ruling	Yes X No
C	hoose	s to	file a return, be sure to file a complete return.	I Group Exemption	<u>n Numb</u>	er ►	N/A
							not required to attach
	r		pts: Add lines 6b, 8b, 9b, and 10b to line 12 3, 556, 226		90, 990-1	EZ, or 990-P	°F).
Pa	rt I		evenue, Expenses, and Changes in Net Assets or Fund E	Balances			
	1		Contributions, gifts, grants, and similar amounts received:	1			
	í		Contributions to donor advised funds	1a			
-	ı		Direct public support (not included on line 1a)	<u>1b</u> 415,6	09.		
			ndirect public support (not included on line 1a)	1c			
	(Government contributions (grants) (not included on line 1a)	1d			445 600
			Total (add lines 1a through 1d) (cash \$ 415,609. noncash \$_		.) -	1e	415,609.
	2		Program service revenue including government fees and contracts (from Part VII, line	93)	}-	2	31,498.
2008	3		Membership dues and assessments		}-	3	1.61 010
20	4		nterest on savings and temporary cash investments		}-	4	161,819.
re	5		Dividends and interest from securities	• 1	}	5	
6	6 8		Gross rents	6a			
			Less: rental expenses	6b		6-	
DE ue	7		Net rental income or (loss). Subtract line 6b from line 6a Other investment income (describe ►		, -	6c 7	
SCANNED D			Gross amount from sales of assets other (A) Securities	(B) Other			
			han inventory 2,909,902.	8a			
Z	,		ess: cost or other basis and sales expenses 2,905,703.	8b			
C			Gain or (loss) (attach schedule) 4,199.	8c			
Ś			Net gain or (loss) Combine line 8c, columns (A) and (B) Stmt 1		$\neg \neg$	8d	4,199.
	9		Special events and activities (attach schedule) If any amount is from gaming, check h	ere ►			
	i		Gross revenue (not including \$ of contributions reported on line 1b)	9a	ŀ		
	ı		ess: direct expenses other than fundraising expenses	9b			
	(c N	Net income or (loss) from special events. Subtract line 9b from line 9a			9c	
	10 a	a (Gross sales of inventory, less returns and allowances	10a			
	1	b L	ess cost of goods sold	10b			
	(c (Gross profit or (loss) from sales of inventory (attach schedule). Subtract line #86 from	TEPEN/ED	า	10c	
	11	(Other revenue (from Part VII, line 103)	RECEIVED		11	_37,398.
	12	1	Total revenue Add lines 1e, 2, 3, 4, 5, 6c, 7, 8d, 9c, 10c, and 11		2	12	<u>650,523.</u>
S	13	F	Program services (from line 44, column (B))	NOV 1 8 2008	김	13	<u>637,135.</u>
Expenses	14		variagement and general (non-line 44, column (0))		21	14	<u>142,256.</u>
ibei	15		undraising (from line 44, column (D))		▝▍▕	15	<u>66,326.</u>
ũ	16		The state of the s	OGDEN, UT	ן ו…	16	
	17		Total expenses Add lines 16 and 44, column (A)			_17	845,717.
ş	18		excess or (deficit) for the year Subtract line 17 from line 12		-	18	<195,194.>
Net ssets	19		Net assets or fund balances at beginning of year (from line 73, column (A))	- a	<u>,</u>	19	6,087,674.
Ä	20			ee Statement	4	20	<125,846.>
72300 12-27	21		Net assets or fund balances at end of year. Combine lines 18, 19, and 20			21]	5,766,634.
12-27	7-07	L	HA For Privacy Act and Paperwork Reduction Act Notice, see the separate instru	ictions		\sim	Form 990 (2007)

				(D) are required for section trusts but optional for other	
Do not include amounts reported on line 6b, 8b, 9b, 10b, or 16 of Part I		(A) Total	(B) Program services	(C) Management and general	(D) Fundraising
22a Grants paid from donor advised funds					
(attach schedule)					
(cash \$ 0 • noncash \$ 0	ii 1				
If this amount includes foreign grants, check here	22a				
22b Other grants and allocations (attach schedule (cash \$ 0 • noncash \$ 0	1 1				
If this amount includes foreign grants, check here	22b				
23 Specific assistance to individuals (attach	220				
schedule)	23				
24 Benefits paid to or for members (attach					
schedule)	24				
25a Compensation of current officers, directors, key					
employees, etc. listed in Part V-A	25a	0.	0.	0.	0.
b Compensation of former officers, directors, key	054	0.		0	0
employees, etc. listed in Part V-B	25b		0.	0.	0.
 c Compensation and other distributions, not included above, to disqualified persons (as defined under 	'				
section 4958(f)(1)) and persons described in	1 1				
section 4958(c)(3)(B)	25c				
26 Salaries and wages of employees not	236	-			
included on lines 25a, b, and c	26	56,829.		39,780.	17,049.
27 Pension plan contributions not included on	20	30,023.		39,700.	17,049
lines 25a, b, and c	27				
28 Employee benefits not included on lines					
25a · 27	28	5,419.		3,793.	1,626.
29 Payroll taxes	29	4,232.		2,962.	1,270.
30 Professional fundraising fees	30				
31 Accounting fees	31	37,200.		37,200.	
32 Legal fees	32	3,021.		3,021.	
33 Supplies	33	13,114.	11,351.		1,763.
34 Telephone	34	6,239.	6,239.		
35 Postage and shipping	35				<u> </u>
36 Occupancy	36				
37 Equipment rental and maintenance	37	26,375.	26,375.		
38 Printing and publications	38	769.			769.
39 Travel	39	4,799.		4,799.	
40 Conferences, conventions, and meetings	40	773.			773.
41 Interest	41				
42 Depreciation, depletion, etc. (attach schedule)	42	115,331.	115,331.		
43 Other expenses not covered above (itemize)			j	1	
a	43a				
b	43b				
c	43c				
d	43d				
e	43e				
1	43f	554 646			
g See Statement 3	43g	571,616.	477,839.	50,701.	43,076.
44 Total functional expenses Add lines 22a through					
43g (Organizations completing columns (B)-(D),	1	0.45 545	625 425	1.40 056	
carry these totals to lines 13-15)	44	845,717.	637,135.	142,256.	66,326
Joint Costs. Check ▶ ☐ If you are following	-			,	¬
Are any joint costs from a combined educational campa					Yes X No
If "Yes," enter (1) the aggregate amount of these joint co					N/A ;
(iii) the amount allocated to Management and general 5723011		N/A ; and (iv) the amount allocated to	runuraising a	N/A
12-27-07					Form 990 (2007)

Part III | Statement of Program Service Accomplishments (See the instructions)

Form 990 is available for public inspection and, for some people, serves as the primary or sole source of information about a particular organization. How the public perceives an organization in such cases may be determined by the information presented on its return. Therefore, please make sure the return is complete and accurate and fully describes, in Part III, the organization's programs and accomplishments.

	at is the organization's primary exempt purpose? stronomical research	Program Service Expenses
clie	organizations must describe their exempt purpose achievements in a clear and concise manner. State the number of ints served, publications issued, etc. Discuss achievements that are not measurable. (Section 501(c)(3) and (4) anizations and 4947(a)(1) nonexempt charitable trusts must also enter the amount of grants and allocations to others.)	(Required for 501(c)(3) and (4) orgs , and 4947(a)(1) trusts; but optional for others.)
а	The foundation operates telescope and observatory facilities in conjunction with the University of Arizona, Steward Observatory for scientific and educational purposes.	
b	(Grants and allocations \$) If this amount includes foreign grants, check here ▶ □	637,135.
С	(Grants and allocations \$) If this amount includes foreign grants, check here	
d	(Grants and allocations \$) If this amount includes foreign grants, check here ▶ □	
e	(Grants and allocations \$) If this amount includes foreign grants, check here ▶ □ Other program services (attach schedule) (Grants and allocations \$) If this amount includes foreign grants, check here ▶ □	
f	Total of Program Service Expenses (should equal line 44, column (B), Program services)	637,135.
		Form 990 (2007)

To a Enter the total number of officers, directors, and trustees permitted to vote on organization business at board meetings Are any officers, directors, trustees, or key employees listed in Form 990, Part V-A, or highest compensated employees listed in Schedule A, Part II. Or highest compensated professional and other independent contractors listed in Schedule A, Part II. Or III. Part III.		
Are any officers, directors, trustees, or key employees listed in Form 990, Part V-A, or highest compensated employees listed in Schedule A, Part I, or highest compensated professional and other independent contractors listed in Schedule A, Part II-A or II-B, related to each other through family or business relationships? If "Yes," attach a statement that identifies the individuals and explains the relationship(s) Do any officers, directors, trustees, or key employees listed in Form 990, Part V-A, or highest compensated employees listed in Schedule A, Part II-A or II-B, receive compensation from any other organizations, whether tax exempt or taxable, that are related to the organization? See the instructions for the definition of "related organization" If "Yes," attach a statement that includes the information described in the instructions Does the organization have a written conflict of interest policy? Part V-B Former Officers, Directors, Trustees, and Key Employees That Received Compensation or Other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the organization of the paid, and address (A) Name and address (B) Loans and Advances		
listed in Schedule A, Part I, or highest compensated professional and other independent contractors listed in Schedule A, Part II-A or II-B, related to each other through family or business relationships? If "Yes," attach a statement that identifies the individuals and explains the relationship(s) 75 C Do any officers, directors, trustees, or key employees listed in Form 990, Part V-A, or highest compensated employees listed in Schedule A, Part II-A or II-B, receive compensation from any other organizations, whether tax exempt or taxable, that are related to the organization? See the instructions for the definition of "related organization" If "Yes," attach a statement that includes the information described in the instructions d Does the organization have a written conflict of interest policy? Part V-B Former Officers, Directors, Trustees, and Key Employees That Received Compensation or other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column See the organization and address (A) Name and address (B) Loans and Advances (C) Compensation (ID) Contributions to employee deterred.		
c Do any officers, directors, trustees, or key employees listed in Form 990, Part V-A, or highest compensated employees listed in Schedule A, Part I, or highest compensated professional and other independent contractors listed in Schedule A, Part II-A or II-B, receive compensation from any other organizations, whether tax exempt or taxable, that are related to the organization? See the instructions for the definition of "related organization" If "Yes," attach a statement that includes the information described in the instructions d Does the organization have a written conflict of interest policy? Part V-B Former Officers, Directors, Trustees, and Key Employees That Received Compensation or Other benefits (If any former officer, director, trustee, or key employee received compensation or other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the other of the paid, (If not paid, of the paid, and address) (A) Name and address (B) Loans and Advances (C) Compensation (D) Contributions to perployee benefit (D) Contributions to perployee (D) Contrib		
listed in Schedule A, Part I, or highest compensated professional and other independent contractors listed in Schedule A, Part II-A or II-B, receive compensation from any other organizations, whether tax exempt or taxable, that are related to the organization? See the instructions for the definition of "related organization" If "Yes," attach a statement that includes the information described in the instructions d Does the organization have a written conflict of interest policy? Part V-B Former Officers, Directors, Trustees, and Key Employees That Received Compensation or Observation or Observat	<u>b</u>	X
Does the organization have a written conflict of interest policy? Part V-B Former Officers, Directors, Trustees, and Key Employees That Received Compensation or Officers, Directors, trustee, or key employee received compensation or other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the trustee, or key employee received compensation or other benefits in the appropriate column. See the trustee, or key employee received compensation or other benefits in the appropriate column. See the trustee, or key employee received compensation or other benefits in the appropriate column. See the trustee, or key employee received compensation or other benefits in the appropriate column. See the trustee, or key employees That Received Compensation or other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the trustee, or key employee received compensation or other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the trustee, or key employee received compensation or other benefits in the appropriate column. See the trustee, or key employee received compensation or other benefits in the appropriate column.	ic	x
Part V-B Former Officers, Directors, Trustees, and Key Employees That Received Compensation or Observed (If any former officer, director, trustee, or key employee received compensation or other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the (A) Name and address (B) Loans and Advances (C) Compensation (If not paid, of principles a deterred plane 2 deterred plane 3 deterred plane		x
Benefits (If any former officer, director, trustee, or key employee received compensation or other benefits (described by the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the second of the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the second of the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the second of the year, list that person below and enter the amount of compensation or other benefits (C) Compensation (D) Contributions to employee benefit places. The year of the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the year of the year, list that person below and enter the amount of compensation or other benefits in the appropriate column. See the year of the year		<u> </u>
(A) Name and address (B) Loans and Advances (C) Compensation (D) Contributions to employee benefit place? deterred	elow) du	
(A) Name and address (B) Loans and Advances (If not paid, personal deferred	e instructi	ons)
	(E) Expe account other allov	and
	·	
		
Part VI Other Information (See the instructions)	Yes	No
76 Did the organization make a change in its activities or methods of conducting activities? If "Yes," attach a detailed statement of each change		х
77 Were any changes made in the organizing or governing documents but not reported to the IRS?		X
If "Yes," attach a conformed copy of the changes 78 a Did the organization have unrelated business gross income of \$1,000 or more during the year covered by this return? 78 a Did the organization have unrelated business gross income of \$1,000 or more during the year covered by this return?	a	Х
b If "Yes," has it filed a tax return on Form 990-T for this year? N/A 78		37
79 Was there a liquidation, dissolution, termination, or substantial contraction during the year? If "Yes," attach a statement 80 a Is the organization related (other than by association with a statewide or nationwide organization) through common	9	<u>X</u>
membership, governing bodies, trustees, officers, etc., to any other exempt or nonexempt organization?	a X	<u> </u>
b If "Yes," enter the name of the organization ► Vatican Observatory Research Group and check whether it is X exempt or nonexempt		
81 a Enter direct and indirect political expenditures (See line 81 instructions) 81 a Enter direct and indirect political expenditures (See line 81 instructions)		
b Did the organization file Form 1120-POL for this year?	ь	(2007)

Form	990 (2007) Vatican Observatory Foundation 86-05	<u> 59994</u>		age 7
Pqı	t VI Other Information (continued)		Yes	No
82 a	Did the organization receive donated services or the use of materials, equipment, or facilities at no charge or at substantially	/		
	less than fair rental value?	82a		_X_
b	If "Yes," you may indicate the value of these items here. Do not include this			
	amount as revenue in Part I or as an expense in Part II			
	(See instructions in Part III) 82b N/A	_		
83 a	Did the organization comply with the public inspection requirements for returns and exemption applications?	83a	X	ļ
b	Did the organization comply with the disclosure requirements relating to quid pro quo contributions?	83b	X	
84 a	Did the organization solicit any contributions or gifts that were not tax deductible?	84a		_X_
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not	ļ		
	tax deductible? N/A	84b		
85 a	501(c)(4), (5), or (6) Were substantially all dues nondeductible by members? N/A	85a		
b	Did the organization make only in-house lobbying expenditures of \$2,000 or less? N/A	85b		
	If "Yes" was answered to either 85a or 85b, do not complete 85c through 85h below unless the organization received a			l
	waiver for proxy tax owed for the prior year			
C	Dues, assessments, and similar amounts from members 85c N/A	_		
d	Section 162(e) lobbying and political expenditures 850 N/A	_		
е	Aggregate nondeductible amount of section 6033(e)(1)(A) dues notices 85e N/A	_		l
f	Taxable amount of lobbying and political expenditures (line 85d less 85e) 85f N/A	_		l
g	Does the organization elect to pay the section 6033(e) tax on the amount on line 85f? N/A	85g		
h	If section 6033(e)(1)(A) dues notices were sent, does the organization agree to add the amount on line 85f	ł		
	to its reasonable estimate of dues allocable to nondeductible lobbying and political expenditures for the			l
	following tax year?	85h		
86	501(c)(7) organizations Enter a Initiation fees and capital contributions included on	ŀ		İ
	line 12 86a N/A			
. b	Gross receipts, included on line 12, for public use of club facilities 86b N/A			
87	501(c)(12) organizations Enter a Gross income from members or shareholders 87a N/A			
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them) 87b N/A			
00 -				ĺ
88 a	At any time during the year, did the organization own a 50% or greater interest in a taxable corporation or partnership,			
	or an entity disregarded as separate from the organization under Regulations sections 301 7701·2 and 301 7701 37	88a		х
ь.	If "Yes," complete Part IX At any time during the year, did the organization, directly or indirectly, own a controlled entity within the meaning of	004		
U	section 512(b)(13)? If "Yes," complete Part XI	▶ 88b		х
20 a	501(c)(3) organizations Enter Amount of tax imposed on the organization during the year under	000	 	
0 J a	section 4911 ▶ 0 .; section 4912 ▶ 0 .; section 4955 ▶ 0			
h	501(c)(3) and 501(c)(4) organizations Did the organization engage in any section 4958 excess benefit	<u>-</u>		
•	transaction during the year or did it become aware of an excess benefit transaction from a prior year?			
	If "Yes," attach a statement explaining each transaction	89b		х
С	Enter Amount of tax imposed on the organization managers or disqualified persons during the year under	302		
_	sections 4912, 4955, and 4958	.		ĺ
d	Enter Amount of tax on line 89c, above, reimbursed by the organization	_		ĺ
е	All organizations At any time during the tax year, was the organization a party to a prohibited tax shelter transaction?	- 89e		х
f	All organizations Did the organization acquire a direct or indirect interest in any applicable insurance contract?	89f		X
g	For supporting organizations and sponsoring organizations maintaining donor advised funds. Did the supporting organization			
_	or a fund maintained by a sponsoring organization, have excess business holdings at any time during the year?	89g		Х
90 a	List the states with which a copy of this return is filed ▶AZ			
	Number of employees employed in the pay period that includes March 12, 2007 90b			1
	The books are in care of ► Keegan, Linscott, & Kenon, P.C Telephone no. ► (520)) 884	-01	76
		8570		
b	At any time during the calendar year, did the organization have an interest in or a signature or other authority over		Yes	No
	a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	91b		Х
	If "Yes," enter the name of the foreign country ▶N/A	_		1
	See the instructions for exceptions and filing requirements for Form TD F 90-22.1, Report of Foreign Bank			
	and Financial Accounts			
		Forn	1 990	(2007

		cy Foundation	1	86-0	559994 Page 8
Part VI Other Information (continue	d)				Yes No
c At any time during the calendar year, did	the organization ma	intain an office outside o	f the Unite	ed States?	91c X
If "Yes," enter the name of the foreign cou					
92 Section 4947(a)(1) nonexempt charitable t	-		heck here	1 1	▶ 🗀
and enter the amount of tax exempt intere				▶ 92	<u> N/A</u>
Part VII Analysis of Income-Produ			T =		
Note: Enter gross amounts unless otherwise	(A)	ated business income	(C)	by section 512, 513, or 514	(E)
ındıcated	Business	(B) Amount	Exclu-	(D) Amount	Related or exempt
93 Program service revenue	code	73770477	sion code		function income
a <u>Book Royalties</u>			ļ ļ		31,498.
b			<u> </u>		
C					
d					
e					
f Medicare/Medicaid payments					
g Fees and contracts from government agen	cies		<u> </u>		
94 Membership dues and assessments					
95 Interest on savings and temporary cash investm	ents		14	161,819.	
96 Dividends and interest from securities					
97 Net rental income or (loss) from real estate			<u> </u>		
a debt-financed property					
b not debt-financed property					
98 Net rental income or (loss) from personal p	roperty				
99 Other investment income					
100 Gain or (loss) from sales of assets					
other than inventory					4,199.
101 Net income or (loss) from special events					
102 Gross profit or (loss) from sales of inventor	v				
103 Other revenue	´				
a Miscellaneous Income					37,398.
b					
C					
d					
e					
104 Subtotal (add columns (B), (D), and (E))		0.		161,819.	73,095.
105 Total (add line 104, columns (B), (D), and (I	=))	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>' </u>	<u> </u>	234,914.
Note: Line 105 plus line 1e, Part I, should equal		12, Part I			
Part VIII Relationship of Activities	to the Accomp	lishment of Exemp	ot Purpo	Ses (See the instruction	ns)
Line No Explain how each activity for which inco	-	·	<u>-</u>		
exempt purposes (other than by providing	•	• •	o mportant	ny to the decomplication of	the organization o
See Statement 6	· · · · · · · · · · · · · · · · · · ·			······································	
	· · · · · · · · · · · · · · · · · · ·				
					·
					
Part IX Information Regarding Ta	xable Subsidia	ries and Disregard	led Enti	ties (See the instruction	s)
(A)	(B)	(C)		(D)	(E)
Name, address, and EIN of corporation, partnership, or disregarded entity owners	entage of hip interest	Nature of activities		Total income	End-of-year assets
partition only, or distributed only	%				assets
N/A	%				
IV/ A	%				
	%		- 	···	
Part X Information Regarding Tr		ated with Personal	Benefi	t Contracts (See the	unstructions 1
					
(a) Did the organization, during the year, receive a				Deneni comtaci.	Yes X No
(b) Did the organization, during the year, pay prem			onnact		Yes X No
Note: If "Yes" to (b), file Form 8870 and Form	4 / 20 (See Instruction	inoj			Form 990 (2007)
					ruliii 330 (2007)

723163 12-27-07

address and

ZIP + 4

Tucson

AZ 85701

Phone no \triangleright (520) 884-0176

Form **990** (2007)

SCHEDULE A

(Form 990 or 990-EZ)

Department of the Treasury

Internal Revenue Service

Organization Exempt Under Section 501(c)(3)

(Except Private Foundation) and Section 501(e), 501(f), 501(k), 501(n), or 4947(a)(1) Nonexempt Charitable Trust

Supplementary Information-(See separate instructions.)

▶ MUST be completed by the above organizations and attached to their Form 990 or 990-EZ

OMB No 1545-0047

2007

Name of the organization				Employer identifi	cation number
Vatican Observatory Fo				86 05599	
Part I Compensation of the Five Highest Paid (See page 1 of the instructions. List each one. If there are n	-		Officers, Dire	ctors, and Ti	rustees
(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 & deferred compensation	(e) Expense account and othe allowances
Nancy Knoche		Development			
2017 E Lee St., Tucson, AZ		40.00	56,829.	5,419.	4,710.
Total number of other employees paid					
over \$50,000	•	0_			
Part II-A Compensation of the Five Highest Paid (See page 2 of the instructions. List each one (whether indi		•		ional Service	es
(a) Name and address of each independent contractor paid in	nore tha	nn \$50,000	(b) Type of	service	(c) Compensation
None					
Total number of others receiving over					
\$50,000 for professional services	>	0			
(List each contractor who performed services other than profirms. If there are none, enter "None." See page 2 of the inst	rofessio	nal services, whether individu		ervices	
(a) Name and address of each independent contractor paid in	nore tha	an \$50,000	(b) Type of	service	(c) Compensation
None					
Total number of other contractors receiving over \$50,000 for other services	•	0	· <u>_· · -·· ·</u> · · ·		

Schedule A (Form 990 or 990-EZ) 2007

N/A

N/A

d Enter the total number of donor advised funds owned at the end of the tax year

e Enter the aggregate value of assets held in all donor advised funds owned at the end of the tax year

a Enter the aggregate value of assets in all funds or accounts included on line 4f at the end of the tax year

f Enter the total number of separate funds or accounts owned at the end of the year (excluding donor advised funds included on line 4d) where donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts

Schedule A (Form 990 or 990-EZ) 2007

An organization organized and operated to test for public safety Section 509(a)(4). (See page 8 of the instructions.)

Schei	dule A (Form 990 or 990-EZ) 2007 ${f v}$	atican Obsor	watory Four	dation	06 (1559994 Page 4
Pa	rt IV-A Support Schedule (Co	omplete only if you chec	ked a box on line 10,	11, or 12) Use cash	method of accounting	g.
Caler	Note: You may use the	e worksheet in the instru			cash method of accor	unting
begin 15	Gifts, grants, and contributions	(a) 2006	(b) 2005	(c) 2004	(d) 2003	(e) Total
	received (Do not include unusual grants See line 28.)	339,594.	258,282.	316,927.	271,552.	1,186,355.
16	Membership fees received					
17	Gross receipts from admissions, merchandise sold or services performed, or furnishing of facilities in any activity that is related to the organization's					
	charitable, etc., purpose	8,500.	9,483.	100,228.	20,673.	138,884.
18	Gross income from interest, dividends, amounts received from payments on securities loans (section 512(a)(5)), rents, royalities, income from similar sources, and unrelated business taxable income (less section 511 taxes) from businesses acquired by the organization after June 30, 1975	165,130.	138,056.	93,620.	54,728.	451,534.
19	Net income from unrelated business	•				
	activities not included in line 18					
20	Tax revenues levied for the organization's benefit and either paid to it or expended on its behalf					
21	The value of services or facilities furnished to the organization by a governmental unit without charge Do not include the value of services or facilities generally furnished to the public without charge					
22	Other income Attach a schedule.			ee Statemer	nt 7	
	Do not include gain or (loss) from sale of capital assets	776.	7,898.	15,485.		24,159.
23	Total of lines 15 through 22	514,000.	413,719.	526,260.	346,953.	1,800,932.
24	Line 23 minus line 17	505,500.	404,236.	426,032.	<u>326,280.</u>	<u>1,662,048.</u>
25	Enter 1% of line 23	5,140.	4,137.	5,263.	3,470.	
26 b	Organizations described on lines 10		` ''		► 26a	33,241.
U	Prepare a list for your records to sho unit or publicly supported organization			,		
	Do not file this list with your return	,	•	su the amount shown in i	≥ 26b	152,585.
С	Total support for section 509(a)(1) to				≥ 26c	1,662,048.
đ	Add: Amounts from column (e) for hi		1,534. 19			
		222	4,159. 26b_	152,585	<u>26d</u>	628,278.
е	Public support (line 26c minus line 2	•			▶ 26e	1,033,770.
! 27	Public support percentage (line 26e				▶ 26f	62.1986%
21	Organizations described on line 12 records to show the name of, and tot					
		N/A	r year from, each disque	illied person. Do not me	t una nat with your return	I Linter tile Sulli Oi
	(2006)	(2005)	(200	04)	(2003)	
b	For any amount included in line 17 th	at was received from each	•	•	· · ·	show the name of,
	and amount received for each year, the					
	described in lines 5 through 11b, as					amount received and
	the larger amount described in (1) or				N/A	
c	(2006) Add Amounts from column (e) for III	(2005)	(200	•	(2003)	
·	, ,			16 21	—— 27c	N/A
đ	Add: Line 27a total		ine 27b total		27d	N/A
е	Public support (line 27c total minus I	ine 27d total)			▶ 27e	N/A
f	Total support for section 509(a)(2) to	est [.] Enter amount on line 23	l, column (e)	27f N	I/A	
9	Public support percentage (line 27e				► 27g	<u>N/A</u> %
	Investment income percentage (line				<u>▶ 27h</u>	N/A %

²⁸ Unusual Grants For an organization described in line 10, 11, or 12 that received any unusual grants during 2003 through 2006, prepare a list for your records to show, for each year, the name of the contributor, the date and amount of the grant, and a brief description of the nature of the grant Do not include these grants in line 15

None

None

27h

N/A %

N/A %

Part V Private School Questionnaire (See page 9 of the instructions.)

N/A

(To be completed ONLY by schools that checked the box on line 6 in Part IV)

29	Does the organization have a racially nondiscriminatory policy toward students by statement in its charter, bylaws, other governing		Yes	No
	instrument, or in a resolution of its governing body?	29		
30	Does the organization include a statement of its racially nondiscriminatory policy toward students in all its brochures, catalogues,			
	and other written communications with the public dealing with student admissions, programs, and scholarships?	30		
31	Has the organization publicized its racially nondiscriminatory policy through newspaper or broadcast media during the period of			
	solicitation for students, or during the registration period if it has no solicitation program, in a way that makes the policy known	Ì		
	to all parts of the general community it serves?	31		
	If "Yes," please describe; if "No," please explain (If you need more space, attach a separate statement.)			
		-		
32	Does the organization maintain the following.	-		
а	Records indicating the racial composition of the student body, faculty, and administrative staff?	32a		<u> </u>
þ	Records documenting that scholarships and other financial assistance are awarded on a racially nondiscriminatory basis?	32b	ļ	
C	Copies of all catalogues, brochures, announcements, and other written communications to the public dealing with student			
	admissions, programs, and scholarships?	32c		ļ
đ	Copies of all material used by the organization or on its behalf to solicit contributions? If you answered "No" to any of the above, please explain (If you need more space, attach a separate statement)	32d		
		-		
33	Does the organization discriminate by race in any way with respect to			
а	Students' rights or privileges?	33a		
þ	Admissions policies?	33ь		
C	Employment of faculty or administrative staff?	33c	<u> </u>	
ď	Scholarships or other financial assistance?	33d		<u> </u>
е	Educational policies?	33e	ļ	
f	Use of facilities?	33f	1	
g	Athletic programs?	33g		
h	Other extracurricular activities?	_33h	ļ.,	
	If you answered "Yes" to any of the above, please explain (If you need more space, attach a separate statement.)	-		
34 a	Does the organization receive any financial aid or assistance from a governmental agency?	- 34a		
b	Has the organization's right to such aid ever been revoked or suspended?	34b		
	If you answered "Yes" to either 34a or b, please explain using an attached statement.			
35	Does the organization certify that it has complied with the applicable requirements of sections 4 01 through 4 05 of Rev. Proc. 75-50,			
	1975-2 C.B. 587, covering racial nondiscrimination? If "No," attach an explanation	35		<u> </u>

Schedule A (Form 990 or 990-EZ) 2007

723151

Part \	VII Information Re	⁷ Vatican Observa garding Transfers To an	d Transactions and	ion I Relationships With No	<u>86-055999</u> ncharitable	4	Page 7
50 a Tr (ii) b Ot (iii) (iii) (iv) (v) c St d Iff	d the reporting organization of office) of the Code (other than sansfers from the reporting organization office). Cash Other assets ther transactions. Sales or exchanges of assets from a grant office off	membership or fundraising solicita mailing lists, other assets, or paid e e is "Yes," complete the following sc given by the reporting organization	the following with any other in section 527, relating to post organization of nization tions mployees the dule. Column (b) should a column is the organization received.	ilitical organizations? always show the fair market value of I less than fair market value in any	51a(ı) a(ıı) b(ı) b(iı) b(iv) b(v) c	Yes X	X X X X X X
(a) Line no	(b) Amount involved	ent, show in column (d) the value of the goods, other assets, or services received: (c) Name of noncharitable exempt organization University of Arizona See Statement				rangem	nents
Co	the organization directly or in ode (other than section 501(c) 'Yes," complete the following (a Name of org	schedule: N/A	one or more tax-exempt org (b) Type of organization	anizations described in section 501	Yes	X] No

(a) Name of organization	(b) Type of organization	(c) Description of relationship
723152		
123102		

12-27-07

Schedule A (Form 990 or 990-EZ) 2007

Form 990 Gain (Lo	oss) From Publ	icly Traded	l Securit	ies	Statement	1
Description	Gro Sales		ost or er Basis	Expense of Sale	Net Gai or (Los	
Proceeds from Sale of Investments	2,909	,902. 2,9	005,703.	0.	. 4,1	99.
To Form 990, Part I, lin	ne 8 2,909	,902. 2,9	005,703.	0 .	4,1	99.
Form 990 Other Ch	hanges in Net .	Assets or I	und Bala	ances	Statement	2
Description					Amount	
Net Unrealized Gain on I Bad Debt Write-Off Rounding Adjustment	Investments			_	24,6 <150,5	
Total to Form 990, Part	I, line 20			=	<125,8	46.
Form 990	Othe	r Expenses	·	<u></u>	<u> </u>	
					Statement	3
Doggrintion	(A)	(B) Program	Mana	(C)	(D)	
Description	(A) Total	• •	Mana		 	
Utilities	Total 12,460.	Program Services	Mana and ————————————————————————————————	agement	(D)	
Utilities MGIO expenses	Total 12,460. 136,675.	Program Services	Mana and ————————————————————————————————	agement	(D) Fundraisi	ng
Utilities MGIO expenses Fundraising	Total 12,460. 136,675. 37,238.	Program Services 12,46 136,67	Mana and 50.	agement General	(D) Fundraisi	ng
Utilities MGIO expenses Fundraising Insurance	Total 12,460. 136,675. 37,238. 20,931.	Program Services 12,46 136,67	Mana and ————————————————————————————————	General 18,807.	(D) Fundraisi	ng
Utilities MGIO expenses Fundraising Insurance Investment Fees	Total 12,460. 136,675. 37,238.	Program Services 12,46 136,67	Mana and 50.	agement General	(D) Fundraisi 37,2 1,7	ng 38.
Utilities MGIO expenses Fundraising Insurance Investment Fees Newsletter Auto, Fuel &	Total 12,460. 136,675. 37,238. 20,931. 18,401. 2,053.	Program Services 12,46 136,67	Mana and 50.	General 18,807.	(D) Fundraisi	ng 38.
Utilities MGIO expenses Fundraising Insurance Investment Fees Newsletter Auto, Fuel & Lubricant	Total 12,460. 136,675. 37,238. 20,931. 18,401. 2,053. 5,115.	Program Services 12,46 136,67	Mana and 50.	General 18,807.	(D) Fundraisi 37,2 1,7	ng 38.
Utilities MGIO expenses Fundraising Insurance Investment Fees Newsletter Auto, Fuel & Lubricant Indirect Charges	Total 12,460. 136,675. 37,238. 20,931. 18,401. 2,053. 5,115. 72,677.	Program Services 12,46 136,67	Mana and 50.	18,807. 18,401.	(D) Fundraisi 37,2 1,7	ng 338.
Utilities MGIO expenses Fundraising Insurance Investment Fees Newsletter Auto, Fuel & Lubricant Indirect Charges Miscellaneous	Total 12,460. 136,675. 37,238. 20,931. 18,401. 2,053. 5,115. 72,677. 14,993.	Program Services 12,46 136,67	Mana and 50.	General 18,807.	(D) Fundraisi 37,2 1,7 2,0	38. 337.
Utilities MGIO expenses Fundraising Insurance Investment Fees Newsletter Auto, Fuel & Lubricant Indirect Charges Miscellaneous Calendar Expense	Total 12,460. 136,675. 37,238. 20,931. 18,401. 2,053. 5,115. 72,677. 14,993. 548.	Program Services 12,46 136,67 38	Mana and 50.	18,807. 18,401.	(D) Fundraisi 37,2 1,7 2,0	ng 338.
Utilities MGIO expenses Fundraising Insurance Investment Fees Newsletter Auto, Fuel & Lubricant Indirect Charges Miscellaneous Calendar Expense Data Processing	Total 12,460. 136,675. 37,238. 20,931. 18,401. 2,053. 5,115. 72,677. 14,993. 548. 332.	Program Services 12,46 136,67 38 5,13 72,67	Mana and 50.75.	18,807. 18,401.	(D) Fundraisi 37,2 1,7 2,0	38. 337.
Utilities MGIO expenses Fundraising Insurance Investment Fees Newsletter Auto, Fuel & Lubricant Indirect Charges Miscellaneous Calendar Expense	Total 12,460. 136,675. 37,238. 20,931. 18,401. 2,053. 5,115. 72,677. 14,993. 548.	Program Services 12,46 136,67 38	Mana and 50.75.	18,807. 18,401.	(D) Fundraisi 37,2 1,7 2,0	ng 38. 37.

Form 990 Othe	r Investments		State	ement 4	
Description		Valuation Method	1	Amount	
Common Equity Securities Debt Securities			1,051,582. 2,061,566.		
Total to Form 990, Part IV, line 5	6, Column B		3	,113,148.	
Form 990 Part V-A - List of Cu Trustees a	rrent Officers		State	ement 5	
Name and Address	Title and Avrg Hrs/Wk	Compen- sation	Employee Ben Plan Contrib	Expense Account	
Dr. Richard P. Boyle, S.J. 2017 E. Lee Street Tucson, AZ 85719	2nd Vice-Pres	0.	0.	0.	
Mons. Renato Boccardo Segretario Generale del Governatorato SCV	Director	0.	0.	0.	
Dr. Christopher J. Corbally 2017 E. Lee Street Tucson, AZ 85716	1st Vice-Pres 1.00	0.	0.	0.	
R.J. Considine 515 S. Figueroa Street, Suite 1200 Los Angeles, CA 90071-3329	Director 1.00	0.	0.	0.	
Dr. George V. Coyne, S.J. 5801 Falls of the Neuse Road Raleigh, NC 27609-4099	President 20.00	0.	0.	0.	
Mr. Michael A. Cronin 322 E. Gardenia Drive Phoenix, AZ 85020	Director 1.00	0.	0.	0 .	
Rev Charles L. Currie, S.J. One Dupont Circle NW Suite 405 Washington, DC 20036	Director 1.00	0.	0.	0.	

Vaticah Observatory Foundation			86-05	59994
Mr. Ben Dalby 353 N. Gunston Drive Los Angeles, CA 90049	Chairman of the Board 1.00	0.	0.	0.
Mrs. Karen Dalby 353 N. Gunston Drive Los Angeles, CA 90049	Director 1.00	0.	0.	0.
Mrs. Paula O D'Angelo 700A South Laflin Street Chicago, IL 60607	Director 1.00	0.	0.	0.
Mr. Manuel J. Espinoza 1707 S. Paige Creek Place Tucson, AZ 85748	Treasurer 1.00	0.	0.	0.
Mr. Michael Figueroa 428 S. Third Ave Tucson, AZ 85701	Director 1.00	0.	0.	0.
Mr. Richard J. Friedrich 5622 Snowdon Place San Jose, CA 95138	Director 1.00	0.	0.	0.
Mr. Jose Funes, S.J. 2017 East Lee Street Tucson, AZ 85719	Director 1.00	0.	0.	0.
Mr. John B. Henkels 4226 Cumberland Rd Salt Lake City, UT 84124	Director 1.00	0.	0.	0.
Mr. Christopher P. Hitchcock 29425 Chagrin Blvd, Suite 201 Cleveland, OH 44122	Director 1.00	0.	0.	0.
Mr. Kenneth R. Kilroy 1324 Club View Drive Los Angeles, CA 90024	Director 1.00	0.	0.	0.
Bro. John B. Hollywood, S.J. 5704 Roland Avenue Baltimore, MD 21210	Director 1.00	0.	0.	0.
Dr. Rocco Martino 512 Watch Hill Road Villanova, PA 19085	Director 1.00	0.	0.	0.
Mr. James C. McGee 5620 W Soft Wind Drive Glendale, AZ 85310	Director 1.00	0.	0.	0.

Vatican Observatory Founda	tion		86-055	9994		
Dr. June Scobee Rodgers 255 Cherry Street Chattanooga, TN 37403	Director 1.00	0.	0.	0.		
Dr. William R. Stoeger, S.J. 2017 East Lee Street Tucson, AZ 85719	Secretary 1.00	0.	0.	0.		
Dr. Brendan D. Thomson, M.D. 325 W. Lamar Dr. Phoenix, AZ 85013	Director 1.00	0.	0.	0.		
Dr. Faith Vilas 6720 E. Scarlett Street Tucson, AZ 85710	Director 1.00	0.	0.	0.		
MMT Observatory	Director					
P.O. Box 210065, University Arizona Tucson, AZ 85721	1.00	0.	0.	0.		
Mr. Andrew Whitman, S.J. 2017 East Lee Street Tucson, AZ 85719	Director 1.00	0.	0.	0.		
Totals Included on Form 990,	Part V-A	0.	0.	0.		
	Relationship of Activit shment of Exempt Purpos		Statement	6		
Line Explanation of Relati	onship of Activities					
	The Vatican Observatory staff write scientific publications based on their research findings. The Foundation administers these royalties					
in furtherance of its	exempt purpose of astroceeds from the sale of	conomical res	earch.			

used to further its exempt purpose of astronomical research.

to help further its exempt purpose of astronomical research and

Miscellaneous income from various activites, the proceeds of which are

discovery.

103a

Schedule A	Other Income			Statement	
Description	2006 Amount	2005 Amount	2004 Amount	2003 Amount	
Other Income	776.	7,898.	15,485.	•	0.
Total to Schedule A, line 22	776.	7,898.	15,485.	•	0.

Schedule A Involvement With Noncharitable Organizations Statement 8
Part VII, Line 51, Column (d)

Name of Noncharitable Exempt Organization

University of Arizona

Description of Transfers, Transactions, and Sharing Arrangements

reimbursement arrangement

Form 88	368 (Rev. 4-2008)			Page 2
• If vo	u are filing for an Additional (Not Automatic) 3-Month Extension, complete only Part II and check this bo	x		▶ 🗓
•	Only complete Part II if you have already been granted an automatic 3-month extension on a previously filed		3868	
	u are filing for an Automatic 3-Month Extension, complete only Part I (on page 1)			
Part	II Additional (Not Automatic) 3-Month Extension of Time. You must file original and	one c	ру	
Туре	Name of Exempt Organization	Empl	oyer iden	tification number
print	Vatican Observatory Foundation	8	<u>6-055</u>	9994
File by the extended due date	Number, street, and room or suite no. If a P.O. box, see instructions.	For IF	RS use on	у
return Se				
X	type of return to be filed (File a separate application for each return) Form 990 Form 990-EZ Form 990-T (sec 401(a) or 408(a) trust) Form 1041-A Form 990-BL Form 990-PF Form 990-T (trust other than above) Form 4720	== ` -	orm 5227 orm 6069	Form 8870
STOP!	Do not complete Part II if you were not already granted an automatic 3-month extension on a previou	sly file	d Form 8	868.
• The	books are in the care of ► Keegan, Linscott, & Kenon, P.C			
Tele If the	ephone No. (520) 884-0176 FAX No e organization does not have an office or place of business in the United States, check this box is is for a Group Return, enter the organization's four digit Group Exemption Number (GEN)			-
<u>box</u> ▶	request an additional 3-month extension of time until November 15, 2008	memb	ers the ex	tension is for.
	For calendar year 2007, or other tax year beginning , and ending			
	f this tax year is for less than 12 months, check reason: Initial return Final return		Change in	accounting period
7 5	State in detail why you need the extension			
r 	Taxpayer respectfully requests additional time to gath	<u>er</u>	infor	mation
1	necessary to file a complete and accurate tax return.	, -,		
8a 1	f this application is for Form 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any			
ī	onrefundable credits. See instructions.	8a	\$	
	f this application is for Form 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated			
t	ax payments made Include any prior year overpayment allowed as a credit and any amount paid			
	previously with Form 8868	8b	\$	
c E	Balance Due. Subtract line 8b from line 8a Include your payment with this form, or, if required, deposit			
v	with FTD coupon or, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions	8c	\$	N/A
	Signature and Verification			
	enalties of perjury, I declare that I have examined this form, including accompanying schedules and statements, and to the correct, and complete, and that I am authorized to prepare this form.	best o	f my knowl	edge and belief,
Signatu	re Dradly M Title > CPA	Date	•	8/6/08
	ノ		For	m 8868 (Rev. 4-2008)

Form **8868**

(Rev. March 2008)

Department of the Treasury Internal Revenue Service

Application for Extension of Time To File an Exempt Organization Return

File a separate application for each return

OMB No. 1545-1709

			<u> </u>	
If you a	re filing for an Automatic 3-Month Extension, complete only Part I and check this box			▶ X
-	re filing for an Additional (Not Automatic) 3-Month Extension, complete only Part II (on page 2 of this			
o not co	implete Part II unless you have already been granted an automatic 3-month extension on a previously file	ed Forr	n 8868.	
Part I	Automatic 3-Month Extension of Time. Only submit original (no copies needed)			
A corpora	tion required to file Form 990-T and requesting an automatic 6-month extension - check this box and com	plete		
art I only	•	•		ightharpoons
	orporations (including 1120-C filers), partnerships, REMICs, and trusts must use Form 7004 to request an me tax returns	extens	ion of time	
Electronic noted belonet not auton rou must	c Filing (e-file). Generally, you can electronically file Form 8868 if you want a 3-month automatic extension by (6 months for a corporation required to file Form 990-T). However, you cannot file Form 8868 electronic matic) 3-month extension or (2) you file Forms 990-BL, 6069, or 8870, group returns, or a composite or consubmit the fully completed and signed page 2 (Part II) of Form 8868. For more details on the electronic file by elicit on e-file for Charities & Nonprofits.	cally if (nsolidat	 you want the ed Form 990-T. 	additional
ype or	Name of Exempt Organization	Emplo	yer identificat	ion number
rint	Vatican Observatory Foundation	8.6	-055999	4
ile by the	Number, street, and room or suite no. If a P.O. box, see instructions.		, , , , , , , , , , , , , , , , , , , ,	<u> </u>
ue date for ling your	2017 East Lee Street			
eturn See	City, town or post office, state, and ZIP code. For a foreign address, see instructions			
	Tucson, AZ 85719			
Check tvi	pe of return to be filed (file a separate application for each return):			
		.00		
X Forr				
For	m 990-PF			
Teleph If the o	oks are in the care of Keegan, Linscott, & Kenon, P.C one No. FAX No. rganization does not have an office or place of business in the United States, check this box s for a Group Return, enter the organization's four digit Group Exemption Number (GEN) If the If it is for part of the group, check this box and attach a list with the names and EINs of all			
	are the for part of the group, creak the back p			
ıs fo	quest an automatic 3-month (6-months for a corporation required to file Form 990-T) extension of time unt $August\ 15$, 2008 , to file the exempt organization return for the organization named a part the organization's return for. X calendar year 2007 or 2007 and ending, and ending		The extension	
			_	
2 If th	is tax year is for less than 12 months, check reason.		Change in accor	unting period
3a If th	is application is for Form 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any		•	
	refundable credits. See instructions.	3a	\$	·
	is application is for Form 990-PF or 990-T, enter any refundable credits and estimated	_		
	payments made. Include any pnor year overpayment allowed as a credit.	3b	\$	
	ance Due. Subtract line 3b from line 3a. Include your payment with this form, or, if required,			
•	osit with FTD coupon or, if required, by using EFTPS (Electronic Federal Tax Payment System).		¢	N/A
	Instructions.	3c	O for pourset	
	If you are going to make an electronic fund withdrawal with this Form 8868, see Form 8453-EO and Form	00/9-1		-
LHA F	or Privacy Act and Paperwork Reduction Act Notice, see instructions.		Form 886	8 (Rev. 3-2008