

Requisition Number <b>106085</b>	Requisition Date <b>April 24, 2001</b>
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**PURCHASE REQUISITION**

Order Date	Order Number
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Originator <b>Patty L. Reeves</b>	Approvals as Applicable	Manager <b>Ron Allen/Don Figer</b>	Dir. of Program Mgt.
Deliver To <b>Patty L. Reeves</b>	Total Est. Value <b>\$35,210.00</b>	Division Head <b>Mario Livio</b>	Director



SPACE TELESCOPE SCIENCE  
INSTITUTE  
3700 San Martin Drive  
Baltimore, MD 21218

<b>Suggested Vendors</b>	Name and Address	SDB
	Infrared Laboratory	

[x] Sole Source Vendor (Justification Attached)

Buyer Code		Delivery Required <b>05/18/2001</b>	Delivery Promised			F Origin - PPY & CHG. O Origin - FRT. Allowed B Destination	Ship Via	Payment Terms
Item No.	OBS	Project/WBS	Trans Code	QTY	U/M	Description	Unit Price	Total Price
1	1.1.01.41.00.00	D0001.82254	0545.001	1	ea.	Cold plate aluminum tube extensions.	\$2,310.00	\$2,310.00
2	1.1.01.41.00.00	D0001.82254	0545.001	1	ea.	Interface assemblies	\$1,275.00	\$1,275.00
3	1.1.01.41.00.00	D0001.82254	0545.001	2	ea.	Custom 12-inch OD filter wheel	\$5,250.00	\$10,500.00
4	1.1.01.41.00.00	D0001.82254	0545.002	3	ea.	DA Baffle tube with filter holder	\$300.00	\$900.00
5	1.1.01.41.00.00	D0001.82254	0545.002	1	ea.	Sandblast and black anodize baffle assemblies	\$300.00	\$300.00
6	1.1.01.41.00.00	D0001.82254	0545.001	1	ea.	Wire limit switches and home switches for two filter wheels	\$1,000.00	\$1,000.00
7	1.1.01.41.00.00	D0001.82254	0545.001	1	ea.	Power supply, two inerexrs and drive units	\$5,860.00	\$5,860.00
8	1.1.01.41.00.00	D0001.82254	0545.001	2	ea.	Extreme environment stepper motor	\$3,510.00	\$7,020.00
9	1.1.01.41.00.00	D0001.82254	0545.002	2	ea.	Custom D-connector L-bracket	\$310.00	\$620.00
10	1.1.01.41.00.00	D0001.82254	0545.001	1	ea.	Custom copper internal wiring for high current power source to motors	\$1,000.00	\$1,000.00
11	1.1.01.41.00.00	D0001.82254	0545.002	1	ea.	G10 support posts and custom strain relief	\$675.00	\$675.00
12	1.1.01.41.00.00	D0001.82254	0545.001	1	ea.	Design, assemble and testing for internal components	\$2,000.00	\$2,000.00
13	1.1.01.41.00.00	D0001.82254	0545.002	2	ea.	G10 thermal isolation spacer, flexible thermal strap assembly from motor mount to cold plate attachment	\$875.00	\$1,750.00

**Technical Justification:**

These two filter wheels provide the ability to obtain images containing noise, bias structure, QE effects, and dark current for NGST wavefront sensing detectors. These measurements require that a variety of images be obtained, each with a different filter or blank in front of the detector. It would not be possible to obtain the data with a warm filter because that would produce saturation. It would also not be possible to use a stationary mount because it is necessary to obtain images through several filters/blanks for a complete data set (without opening up the dewar).

<b>Sole Source Justification:</b> IR Labs are uniquely capable of producing these custom filter wheels to our specifications, schedule, and budget.				
<b>General Information:</b> See Attached Quote.				
Confirming Order To: DO NOT DUPLICATE	Maryland Sales Tax IS NOT Applicable	Govt. Property Requirements Mult. Bar Code [ ] DD 1419 Req'd Yes [ ] No [ ]	TOTAL	
<b>VENDOR:</b> (Name, Address) Code No. _____		<b>SHIP TO:</b>		
Attention: _____		Attention: _____		
GSA Schedule IS [ ] IS NOT [ ] applicable RE: GSA Schedule No _____		BUYER: _____ DATE: _____		