

GENERAL NOTES

- 1. Precision air slits in 0.005 thick ASTM-B-36 brass with 0.0003-0.0007 thick nickel plating on both sides.

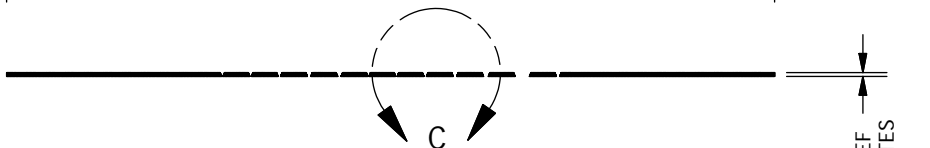
APERTURE NOTES

- 1. All apertures centered vertically
- 2. 889 μm horizontal edge to edge between apertures
- 3. 15° minimum included angle through material

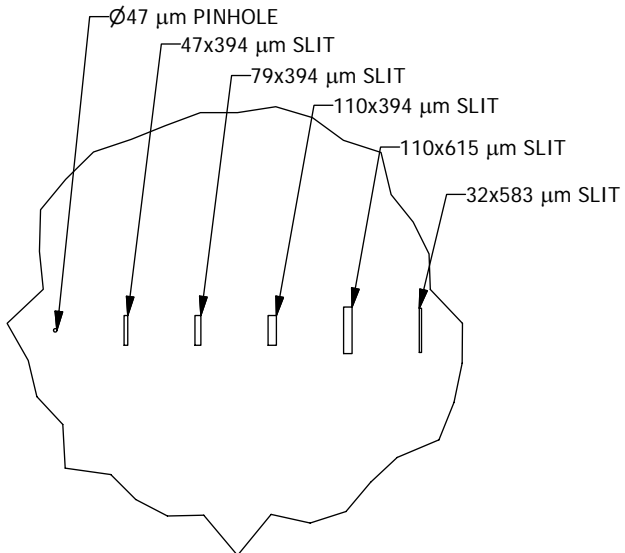
APERTURE GEOMETRY (left to right)

ON SKY (arcsec)

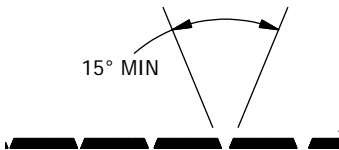
- | | |
|-------------------------------------|---------------|
| 1. ∅ 47 μm circular pinhole | 1. ∅0.3 |
| 2. 47 μm wide X 394 μm high slit | 2. 0.3 X 2.5 |
| 3. 79 μm wide X 394 μm high slit | 3. 0.5 X 2.5 |
| 4. 110 μm wide X 394 μm high slit | 4. 0.7 X 2.5 |
| 5. 110 μm wide X 615 μm high slit | 5. 0.7 X 3.9 |
| 6. 32 μm wide X 583 μm high slit | 6. 0.2 X 3.7 |
| 7. 47 μm wide X 583 μm high slit | 7. 0.3 X 3.7 |
| 8. 79 μm wide X 583 μm high slit | 8. 0.5 X 3.7 |
| 9. 110 μm wide X 583 μm high slit | 9. 0.7 X 3.7 |
| 10. 158 μm wide X 583 μm high slit | 10. 1.0 X 3.7 |
| 11. 473 μm wide X 583 μm high slit | 11. 3.0 X 3.7 |
| 12. 110 μm wide X 1577 μm high slit | 12. 0.7 X 10 |



**SECTION A-A
SCALE 4 : 1**



**DETAIL B
SCALE 10 : 1**



**DETAIL C
SCALE 10 : 1**

1	1	Slit Mask
ITEM	QTY	DESCRIPTION
Bill of Material		

**THE OBSERVATORIES
OF THE CARNEGIE INSTITUTION OF WASHINGTON**
813 Santa Barbara Street
Pasadena, CA 91101

MATERIAL		UNLESS OTHERWISE SPECIFIED		
See notes		FRACTIONAL +/- 1/32	DECIMAL .XX +/- 0.01	ANGULAR +/- 0.1 DEG
EST WEIGHT		.XXX +/- 0.002 GOAL .XXX +/- 0.005 REQD		
SCALE		BREAK SHARP EDGES MACHINED SURFACES 125√ ALL DIMENSIONS IN INCHES		
4:1		P lanet F nder S pectrograph		Slit Mask
DWN	CRANE	1/14/2010		
APVD				
BY		DATE		
SHEET A	DRAWING NUMBER PFS06001		SHT 1 OF 1	REV 3