

Sloan Digital Sky Survey III

Observers:

Date (UT):

```
data dir:
```

Location:

Wx & Seeing:

Majewski, Wilson

7 Apr 2021

End-to-End cooldown cycle:

Page:

local

File Name	Light Source / Object	Time (UT)	Collimator Focus			Cam Temp (deg K)	Det Temp (deg K)	SUTR (#)	t_int (sec)	Dither Posn	Comment
			1	2	3						
Matt Nelson activity before this - no paper log											
Full aperture = 0.89" [MN activity] - Dither stability - 100% source data											
img 7102	ThArNe	1506	1.65	1.65	1.65			10			astigmatism test =
7103	"	1510	2.15	2.15	2.15			10			try different aperture stop
7104	"	1512	2.65	2.65	2.65			10			focus run - start
7105	"	1515	3.15	3.15	3.15			10			change focus
7106	"	1517	3.65	3.65	3.65			10			f/4.78 for 0.89" aperture
aperture = 0.75" $\Rightarrow$ f/5.7											
img 7107	"	1524	1.65	1.65	1.65			10			stop down to 0.75" = f/5
7108	"	1528	2.15	2.15	2.15			10			
7109	"	1530	2.65	2.65	2.65			10			
7110	"	1532	3.15	3.15	3.15			10			
7111	"	1534	3.65	3.65	3.65			10			
aperture = 0.60" $\Rightarrow$ f/7.08											
img 7112	"	1540	1.65	1.65	1.65			10			stop down to 0.60" = f/7
7113	"	1541	2.15	2.15	2.15			10			
7114	"	1543	2.65	2.65	2.65			10			duplicate - header is wrong
7115	"	1547	2.65	2.65	2.65			10			redo w/correct focus
7116	"	1552	3.15	3.15	3.15			10			
7117	"	1554	3.65	3.65	3.65			10			

focus run - start full aperture

APOGEE

Sloan Digital Sky Survey III

LAB TESTING LOG

Observers:

Majewski, Wilson

Date (UT):

7 Apr 2011

data dir:

Location:

Wx & Seeing:

End-to-End cooldown cycle:

6

Page:

2/5

File Name	Light Source / Object	Time (UT)	Collimator Focus			Cam Temp (deg K)	Det Temp (deg K)	SUTR (#)	t_int (sec)	Dither Posn	Comment
			1	2	3						
aperture = 0.45" $\Rightarrow f/9.44$											astigmatism aperture stop test (cont)
img 7118	ThArNe	1557	1.65	1.65	1.65			10			stop down to 0.45" = f/9.44
7119	"	1559	2.15	2.15	2.15			10			
7120	"	1603	2.65	2.65	2.65			10			
7121	"	1606	3.15	3.15	3.15			10			
7122	"	1608	3.65	3.65	3.65			10			
aperture = 0.30" $\Rightarrow f/14.17$											
img 7123	ThArNe	1611	1.65	1.65	1.65			10			stop down to 0.30" = f/14.17
7124	"	1613	2.15	2.15	2.15			10			
7125	"	1616	2.65	2.65	2.65			10			
7126	"	1619	3.15	3.15	3.15			10			
7127	"	1621	3.65	3.65	3.65			10			
aperture = 0.15" $\Rightarrow f/28.33$											
img 7128	ThArNe	1625	1.65	1.65	1.65			10			stop down to 0.15" = f/28.33
7129	"	1628	2.15	2.15	2.15			10			
7130	"	1630	2.65	2.65	2.65			10			
7131	"	1632	3.15	3.15	3.15			10			
7132	"	1634	3.65	3.65	3.65			10			
fiber mapping test											
img 7133	magnitude bulb		2.65	2.65	2.65			2			30 k counts test
7134	"	1701									test center of beam
7135	"	1702						3			6" off center
7136	"	1704						3			

APOGEE
Sloan Digital Sky Survey III

LAB TESTING LOG

Observers: Majewski, Wilson
Date (UT): _____
data dir: _____
Location: _____
Wx & Seeing: _____

End-to-End cooldown cycle: _____
Page: 3/5

File Name	Light Source / Object	Time (UT)	Collimator Focus			Cam Temp (deg K)	Det Temp (deg K)	SUTR (#)	t_int (sec)	Dither Posn	Comment
			1	2	3						
img 7137	Maglite	1706	2.15	2.65	2.15			3			~4" away from center
7138	"	1712									fibers are 17" from plane
Start sequence											in which source will travel
img 7139	"	1715						3			center position
7140	"	1719						3			up 1"
7141	"	1721						3			up 2"
7142	"	1722						3			up 3"
7143	"	1724						3			up 4"
7144	"	1725						3			up 5"
7145	"	1726						3			up 6"
7146	"	1727						3			up 7"
7147	"	1728						3			up 8"
img 7148	"	1729						3			center position
7149	"	1731						3			left 1"
7150	"	1731						3			left 2"
7151	"	1733						3			left 3"
7152	"	1734						3			left 4"
7153	"	1736						3			left 5"
7154	"	1738						3			left 6"
7155	"	1739						3			left 7"
7156	"	1740						3			left 8"

6000 cts
5000 cts
3500 cts
1000 cts
250 cts
50 cts
0

APOGEE
Sloan Digital Sky Survey III

LAB TESTING LOG

Observers: Wilson, Majewski
Date (UT): _____
data dir: _____
Location: _____
Wx & Seeing: _____

End-to-End cooldown cycle: 6
Page: 4/5

File Name	Light Source / Object	Time (UT)	Collimator Focus			Cam Temp (deg K)	Det Temp (deg K)	SUTR (#)	t_int (sec)	Dither Posn	Comment
			1	2	3						
img 7157	Mayhite	1742	2.65	2.65	2.65			3			center position
7158	"	1743									down 1" 5000 cts
7159	"	1744									down 2" Some @ 2000 cts
7160		1745									down 3" Some @ 300 cts
7161		1746									down 4" some @ 50
7162		1747									down 5" 0
7163		1748									down 6" 0
7164		1749									down 7" 0
7165		1751									down 8" 0
img 7166		1751									center position 6000 cts
7167		1754									right 1" 6000 cts
7168		1755									right 2" 5000 cts
7169		1756									right 3" Some @ 2000 cts
7170		1757									right 4" 600 cts
7171		1759									right 5" few
7172		1802									right 6"
7173		1803									right 7"
7174		1804									right 8"
img 7175	Blackbody	1946	NA of fibers filled					3		120C	120C w/sparse pack test
7176-78	"	1947						40		120C	"
7179-81	"	2011						40		110C	110C " first may be slightly low (was at 104 for 2 reads)
7182-84	"	2035						40		130C	130C
7185-87	"	2100						20		150C	150

