

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5681 - L2 Version 3  
Chandra X-Ray Center

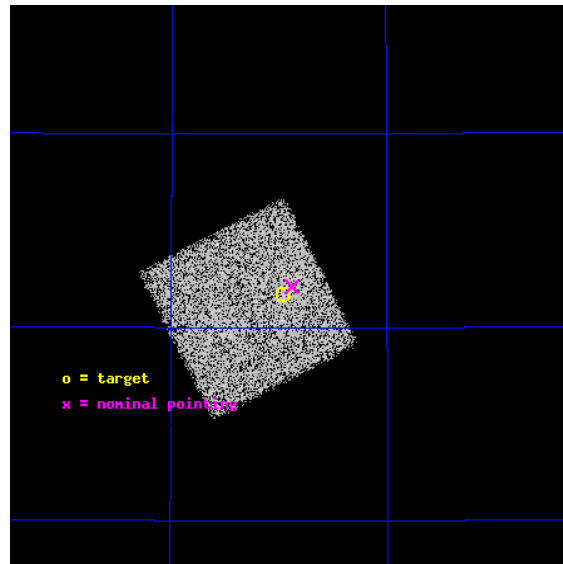
L2 Processing Date : Dec 12 2012

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# 1 Front

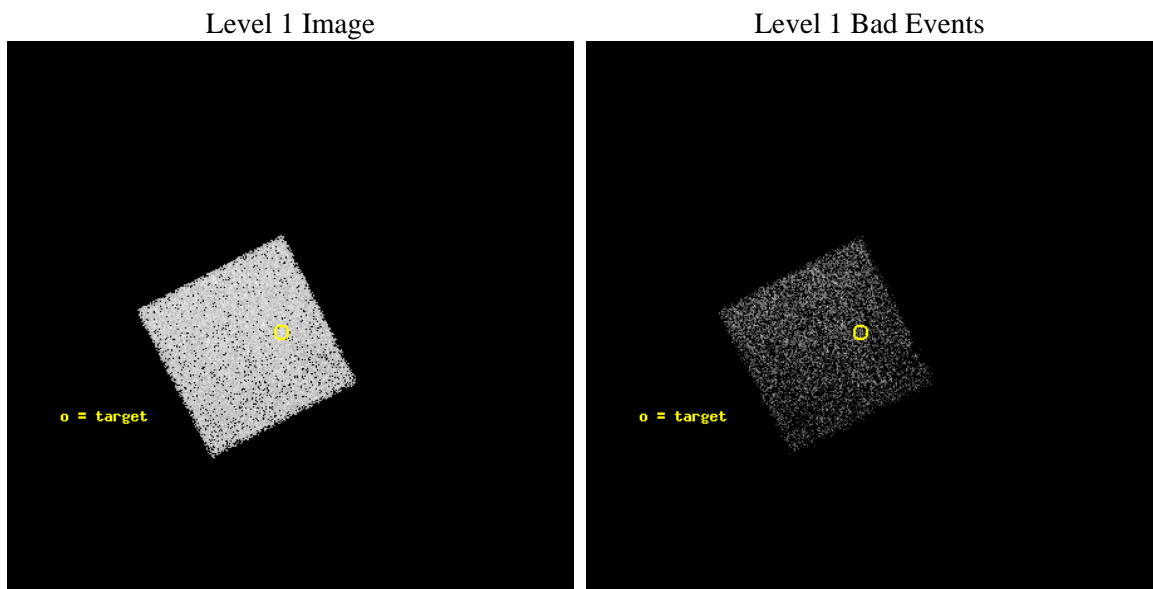
seq_num	701104	Sequence number
obs_id	5681	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0642.9+6751	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	100.740833	Observer's specified target RA [deg]
dec_targ	67.8625	Observer's specified target Dec [deg]
ra_nom	100.72032631451	Nominal RA [deg]
dec_nom	67.868400652748	Nominal Dec [deg]
roll_nom	152.81779718116	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5164.7999807596	Sum of GTIs [s]
livetime	5099.4001735341	Livetime [s]
ontime7	5164.7999807596	Sum of GTIs [s]
l2events	21186	Number of level 2 events



## 2 OBI

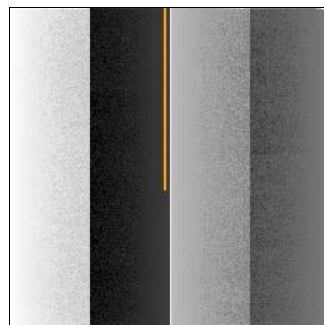
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	5164.7999807596	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime7	5164.7999807596	Sum of GTIs [s]
date	2012-12-12T13:13:31	Date and time of file creation	l1events	57382	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	57382
rejected events	35653
rejected %	62%

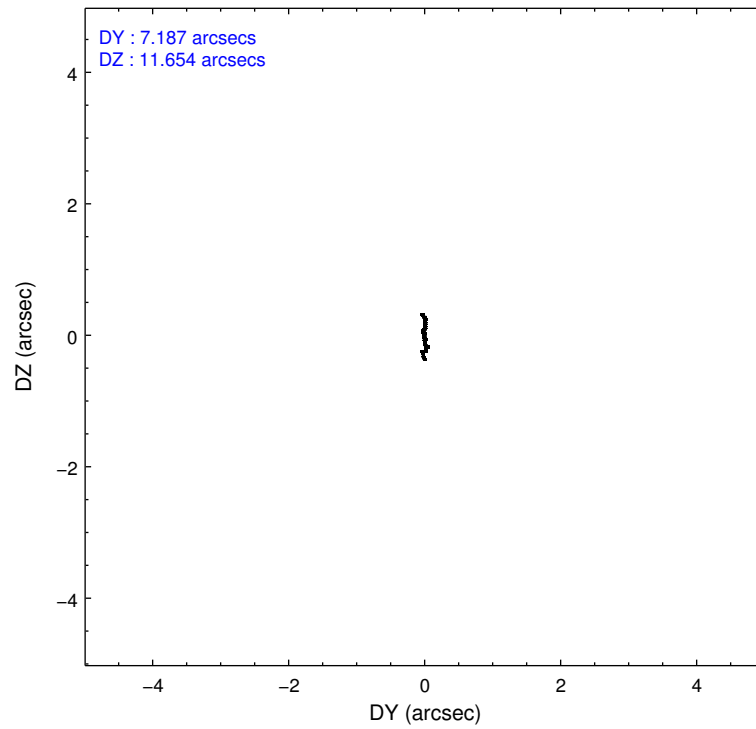
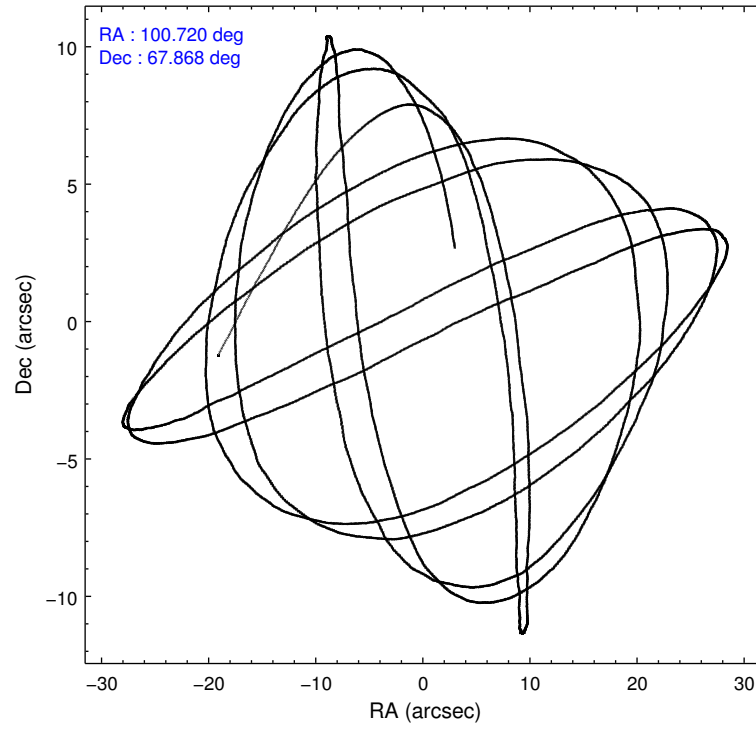
	<b>ccd 7</b>
grade 0 events	2212
	3%
grade 1 events	56
	0%
grade 2 events	4918
	8%
grade 3 events	2108
	3%
grade 4 events	2085
	3%
grade 5 events	5427
	9%
grade 6 events	13050
	22%
grade 7 events	27526
	47%

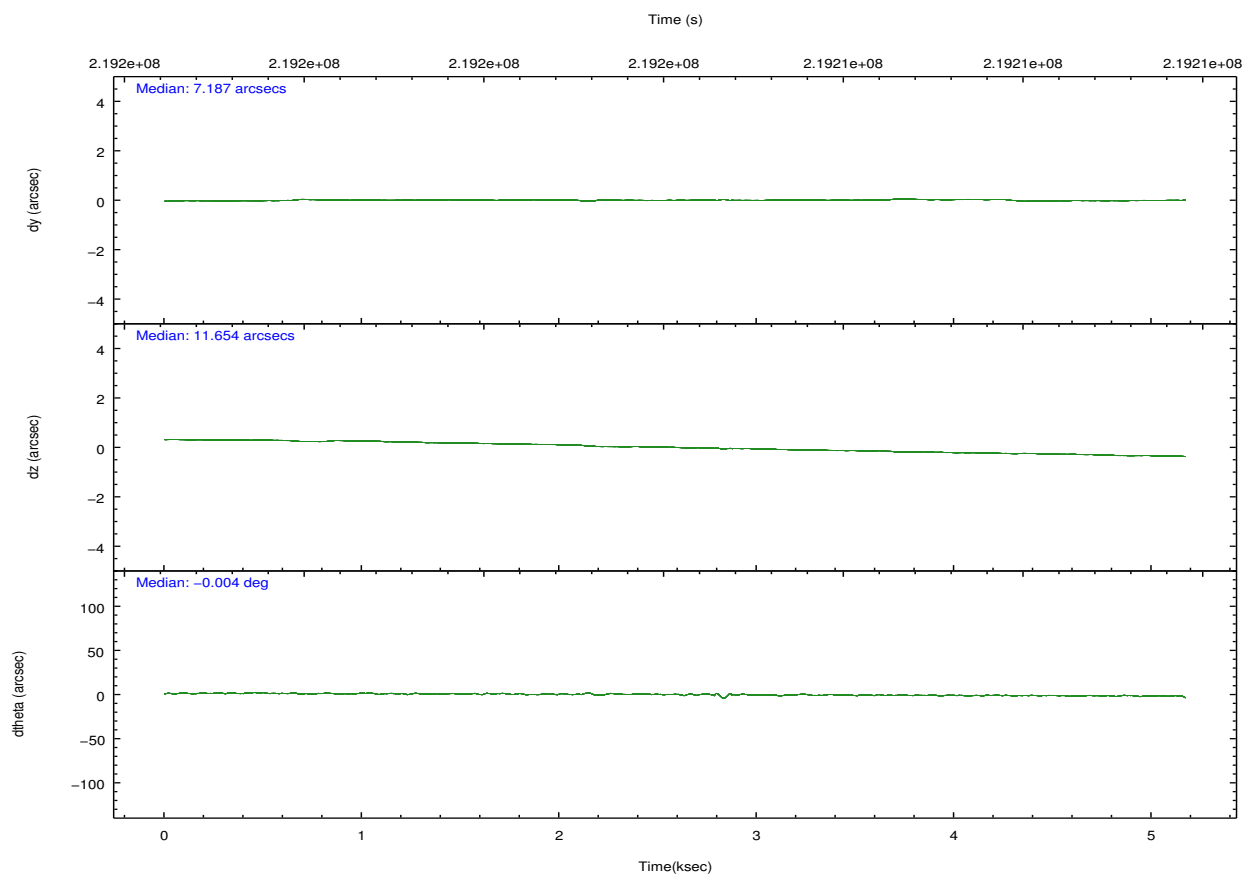
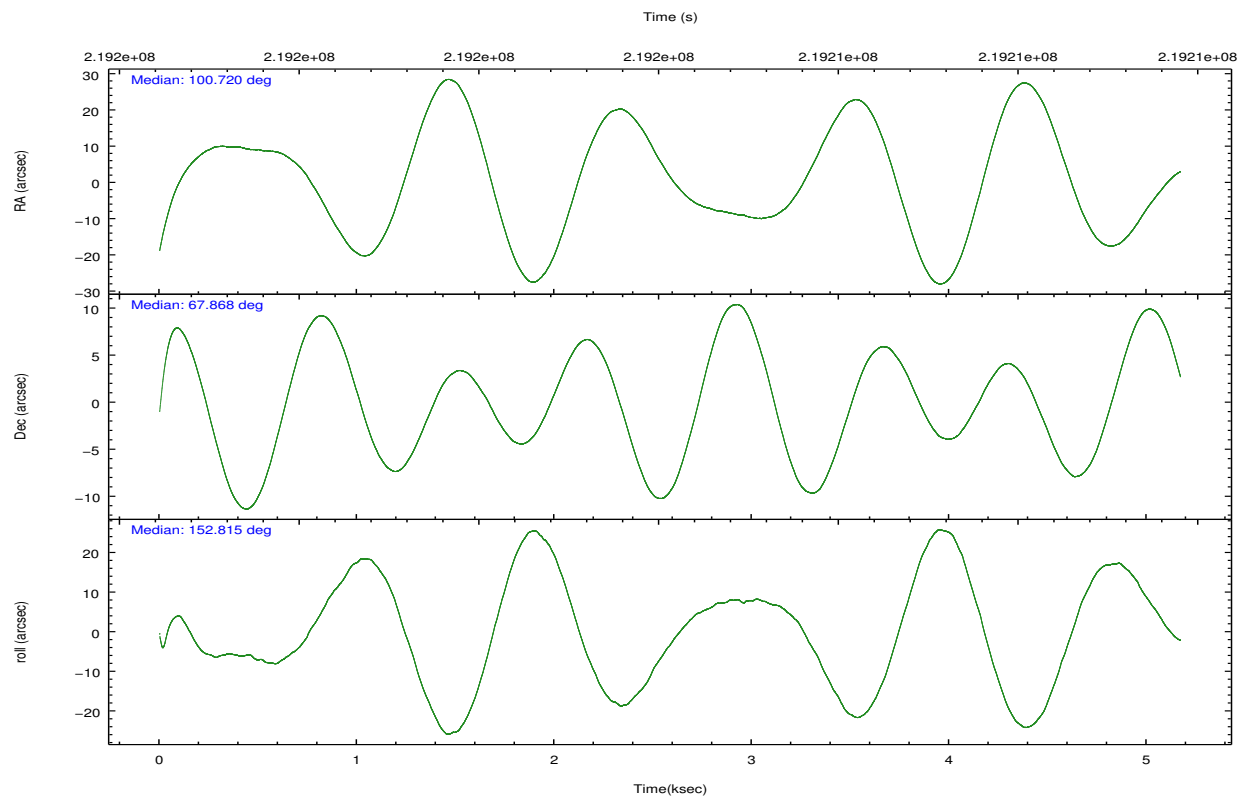


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	100.792571	100.720326314509	Subarray requested	NONE	NONE
[deg] Pointing Dec	67.870039	67.86840065274843	Alternating exposures requested	N	N
[deg] Pointing Roll	152.594300	152.8177971811587	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	219202655.184000	219201598.20939			
Observation start date	2004-12-12T01:36:31	2004-12-12T01:19:58			
[s] Observation end time (MET)	219207655.184000	219208304.27219			
Observation end date	2004-12-12T02:59:51	2004-12-12T03:11:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect



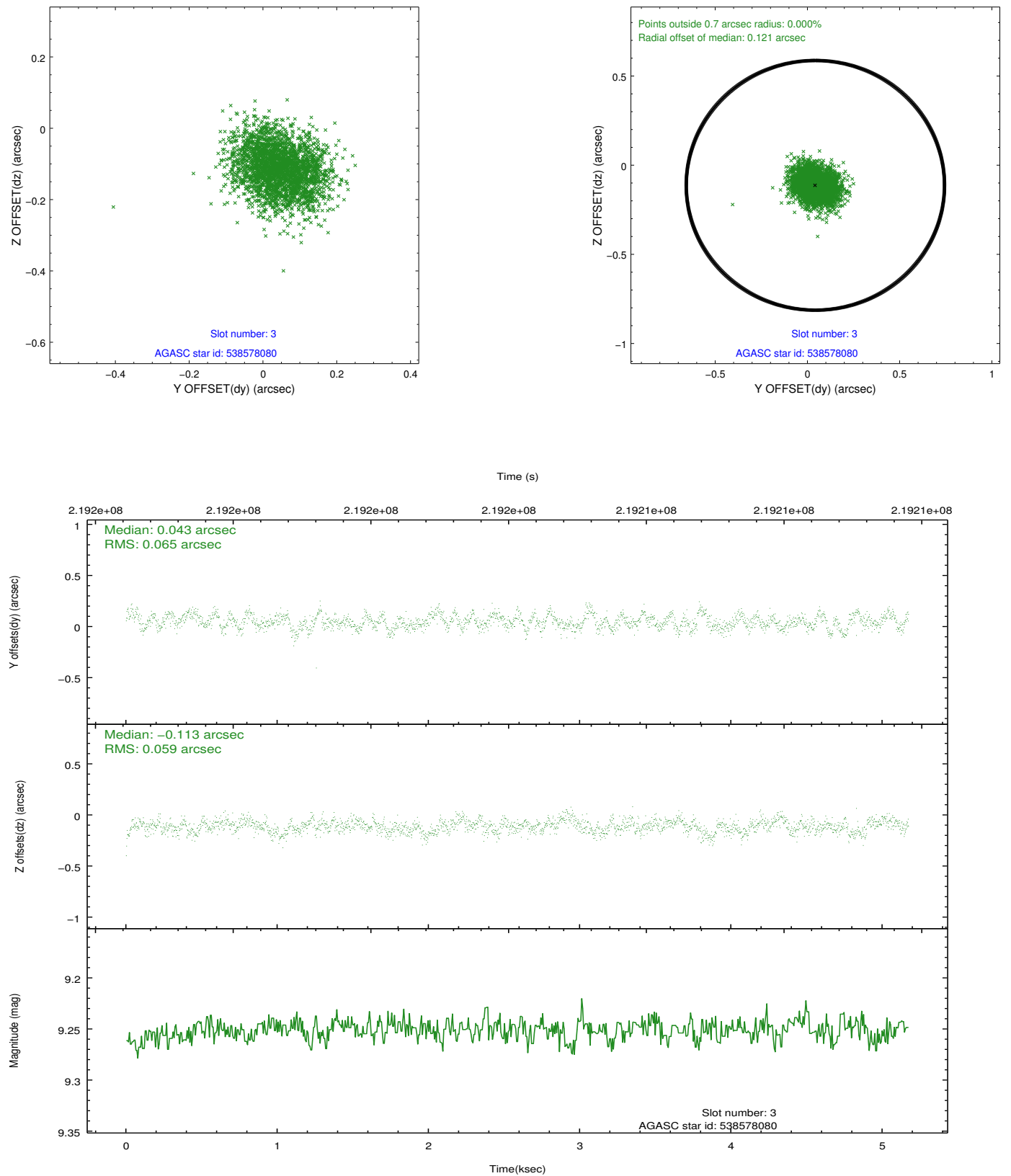


### Slot Statistics

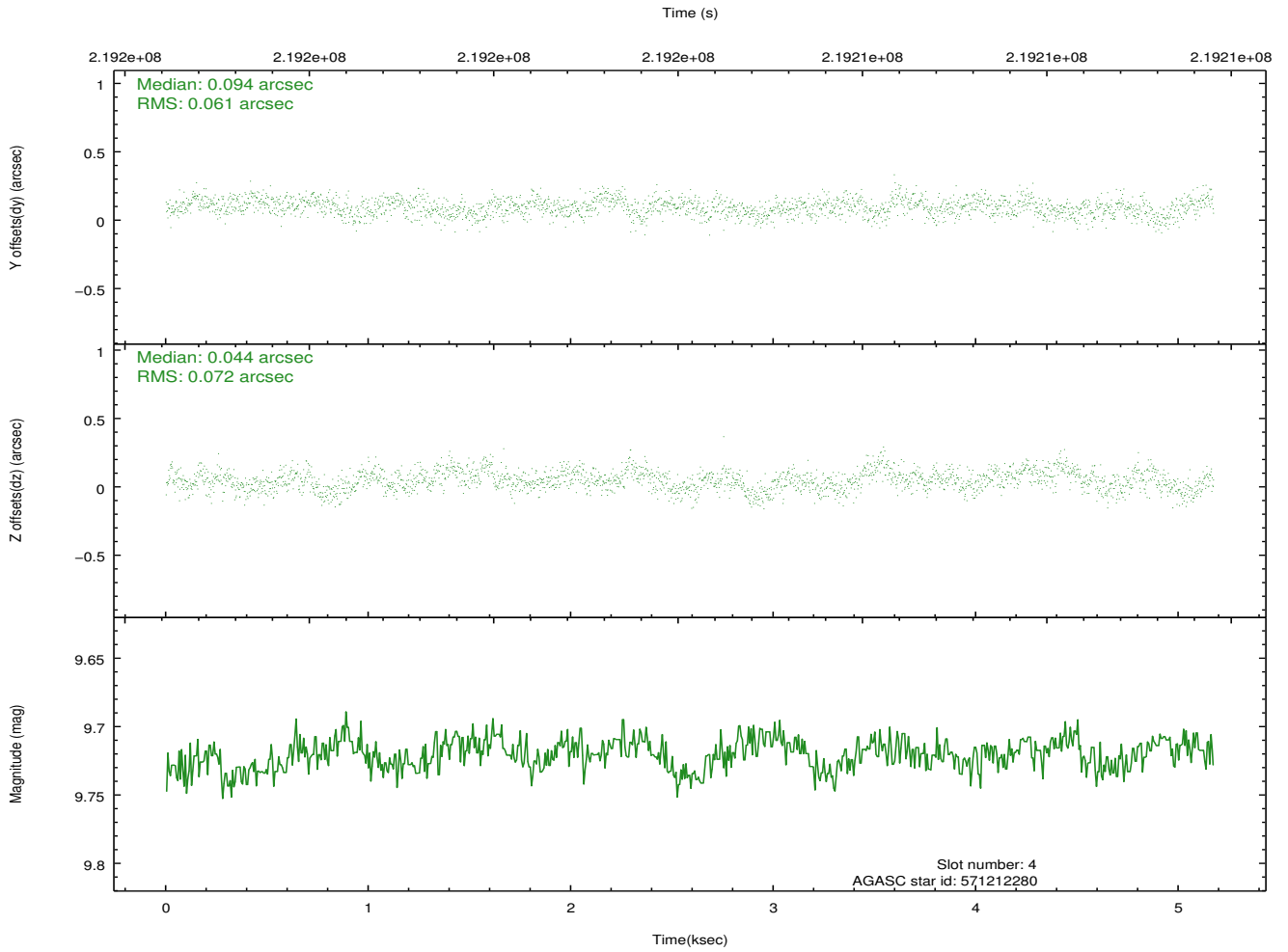
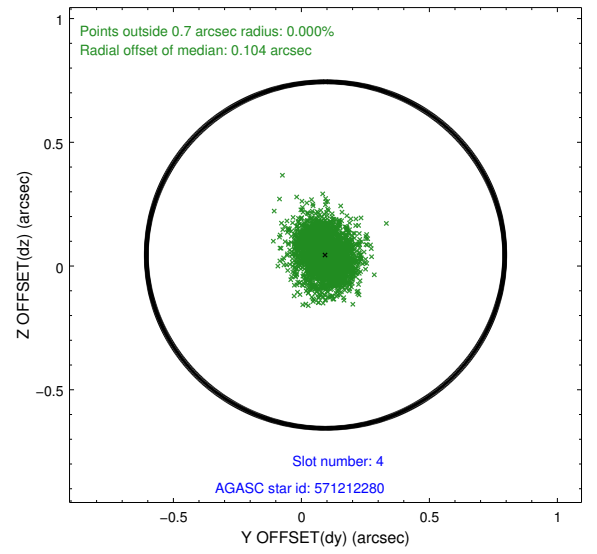
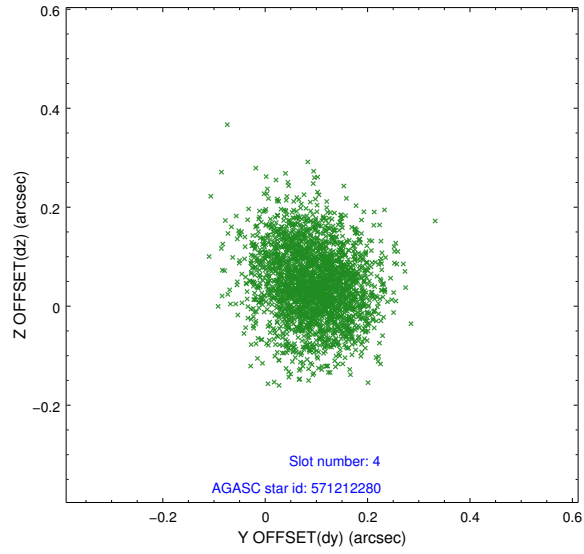
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1262	-0.029	-0.015	0.010	0.015	0.000000	0.000000	-759.96	-1732.91
1	FID	ACIS-S-4	7.20	1262	0.067	0.018	0.007	0.012	0.000000	0.000000	2152.87	174.42
2	FID	ACIS-S-5	7.23	1262	-0.069	0.006	0.009	0.015	0.000000	0.000000	-1811.35	169.37
3	GUIDE	538578080	9.25	2523	0.043	-0.113	0.095	0.149	101.515378	67.229379	-1952.88	1578.98
4	GUIDE	571212280	9.72	2522	0.094	0.044	0.101	0.164	101.333296	67.994545	-440.27	-735.54
5	GUIDE	571212352	8.71	2522	-0.082	-0.085	0.065	0.104	99.290653	67.919405	1897.23	755.78
6	GUIDE	571346168	7.67	2524	-0.095	0.081	0.067	0.109	102.775701	68.218144	-1754.29	-2368.94
7	GUIDE	571213664	9.89	2518	0.039	0.080	0.129	0.209	99.823955	68.602102	2346.66	-1763.49

## 2.4 Star Slots

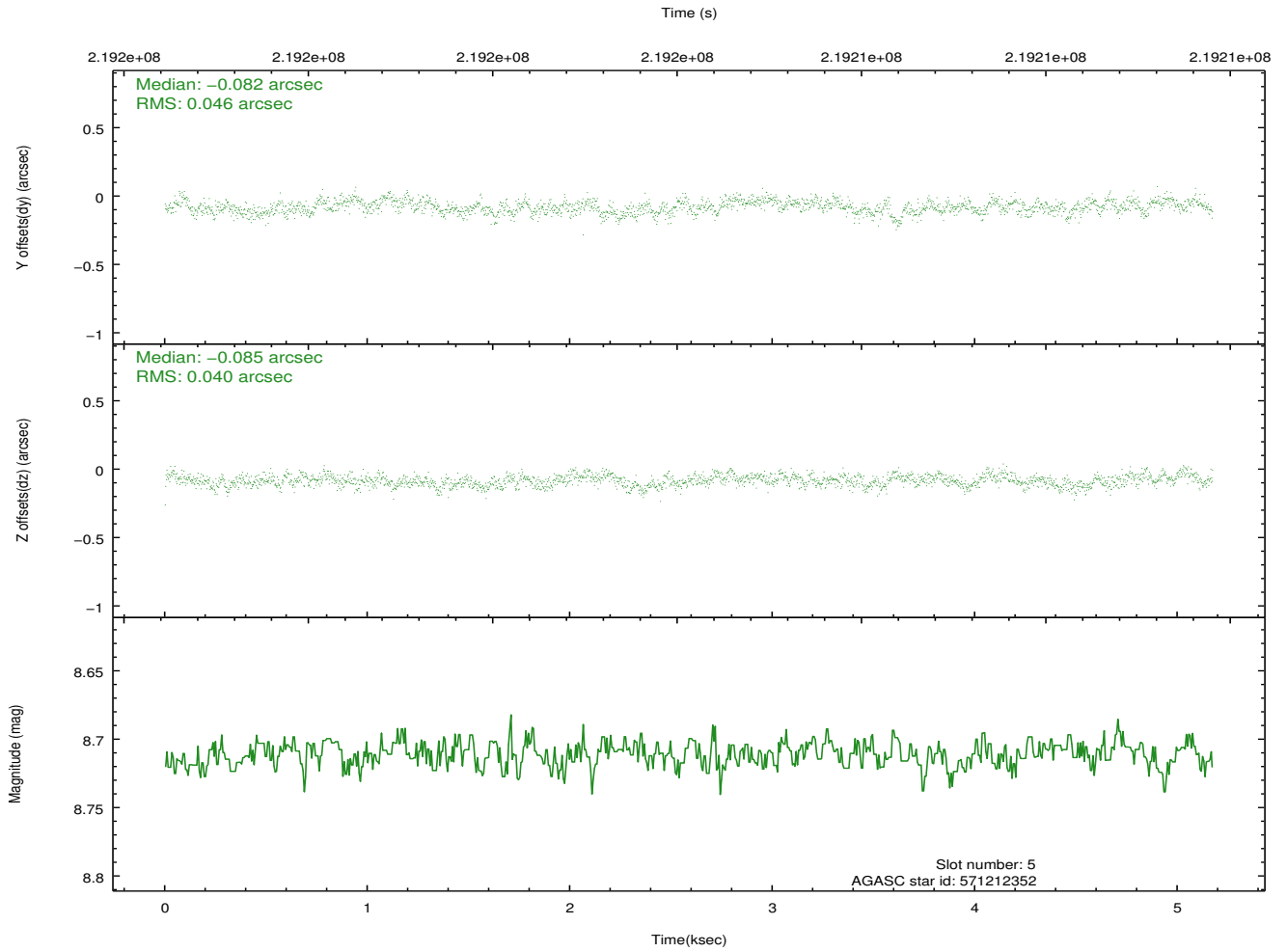
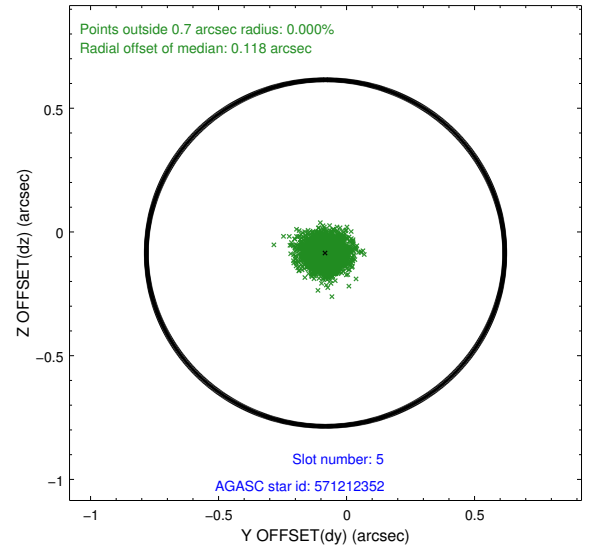
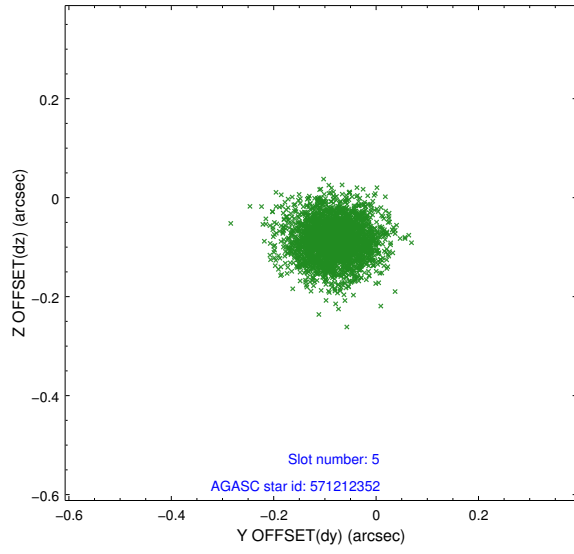
### 2.4.1 Slot 3



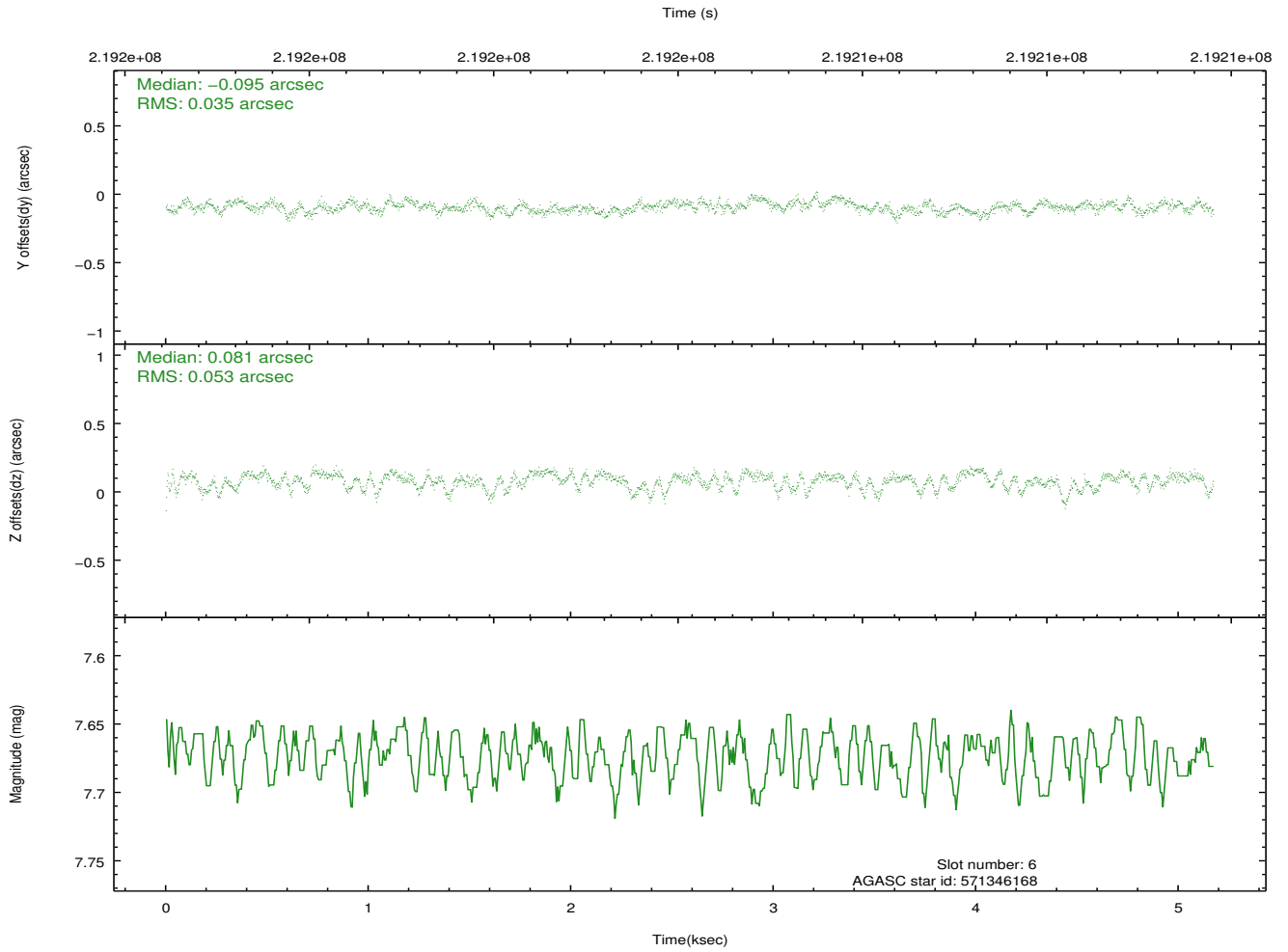
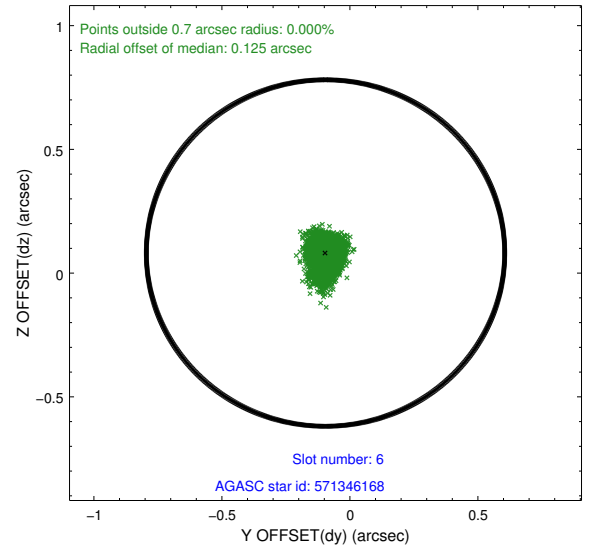
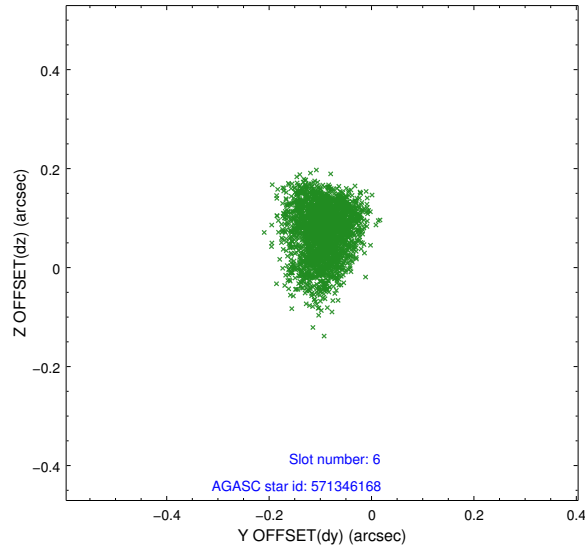
## 2.4.2 Slot 4



### 2.4.3 Slot 5

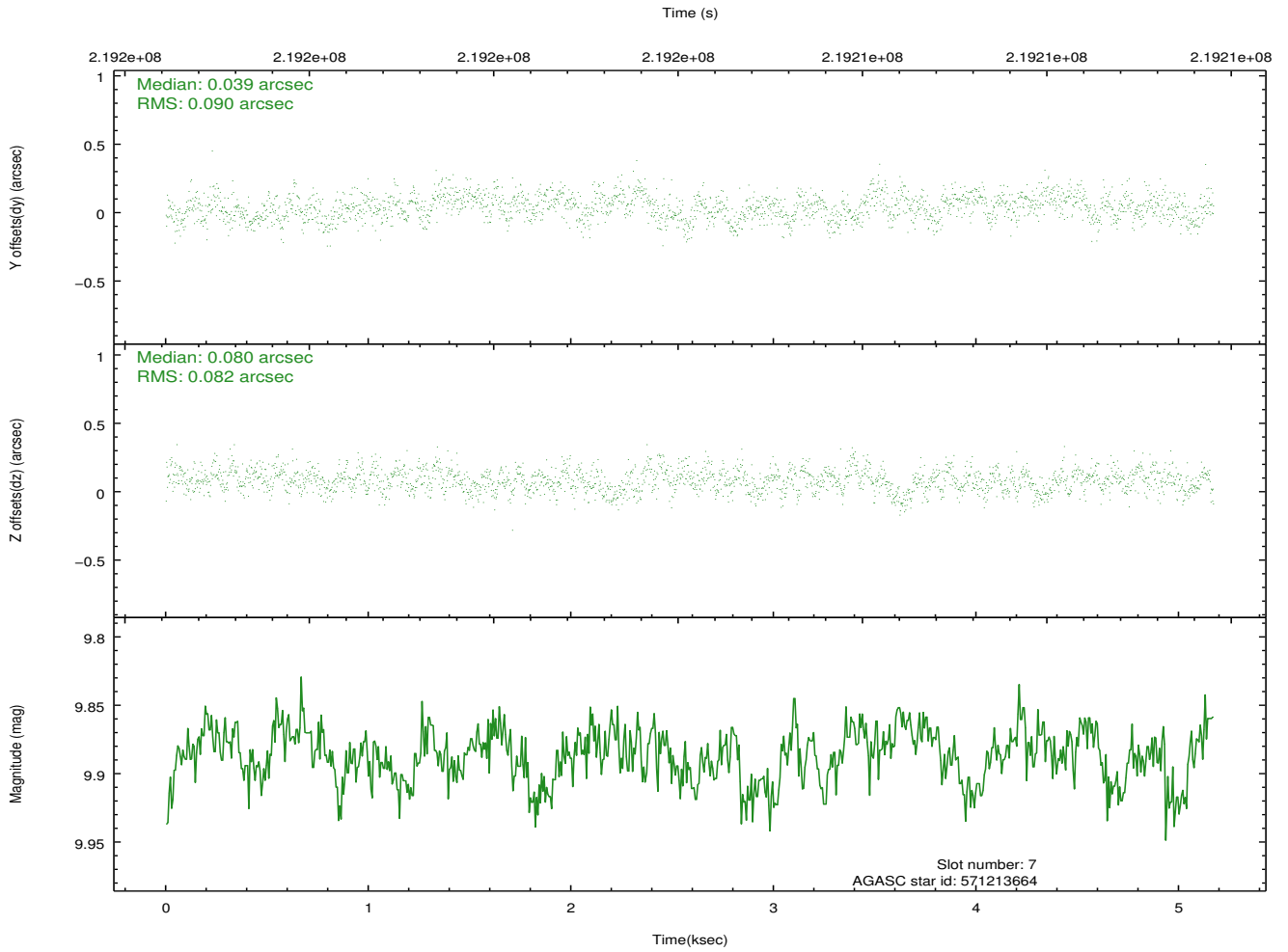
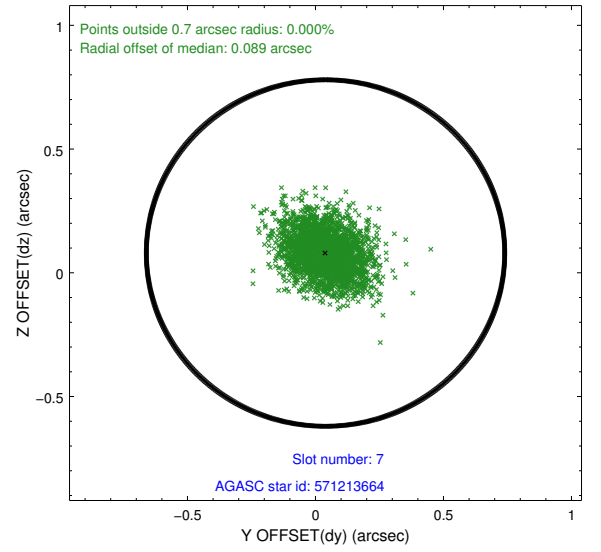
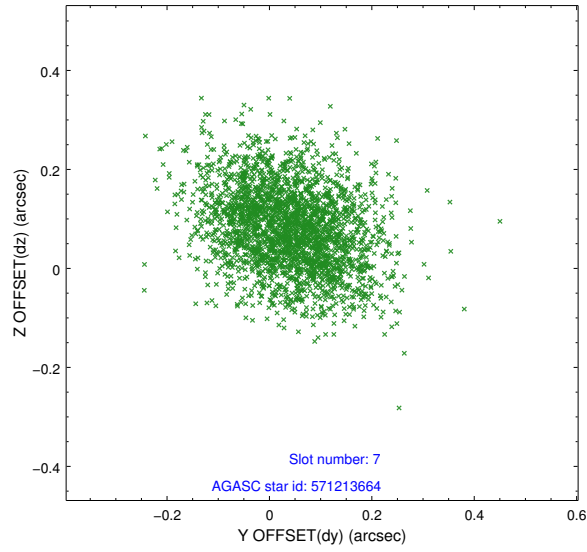


## 2.4.4 Slot 6



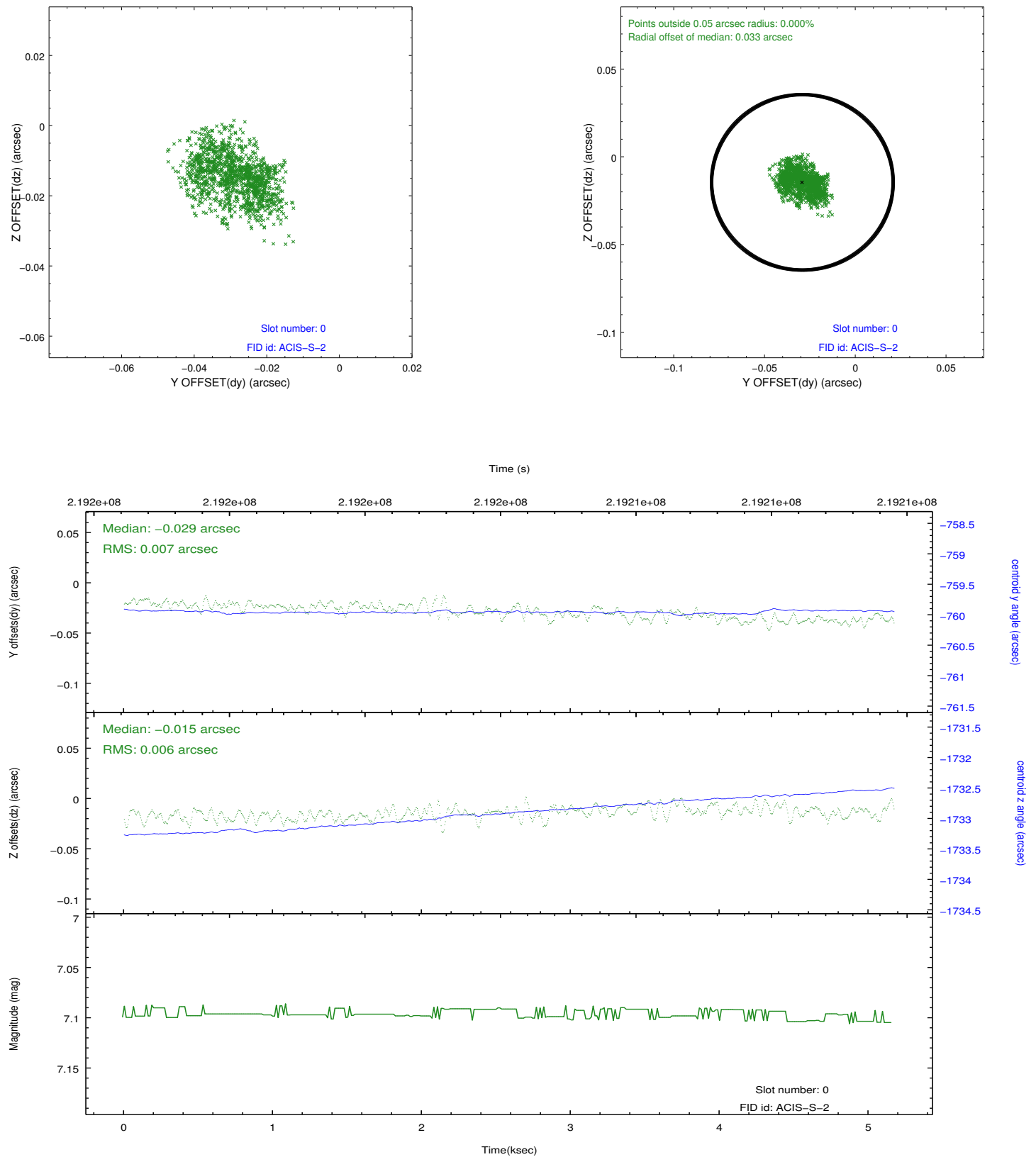


## 2.4.5 Slot 7

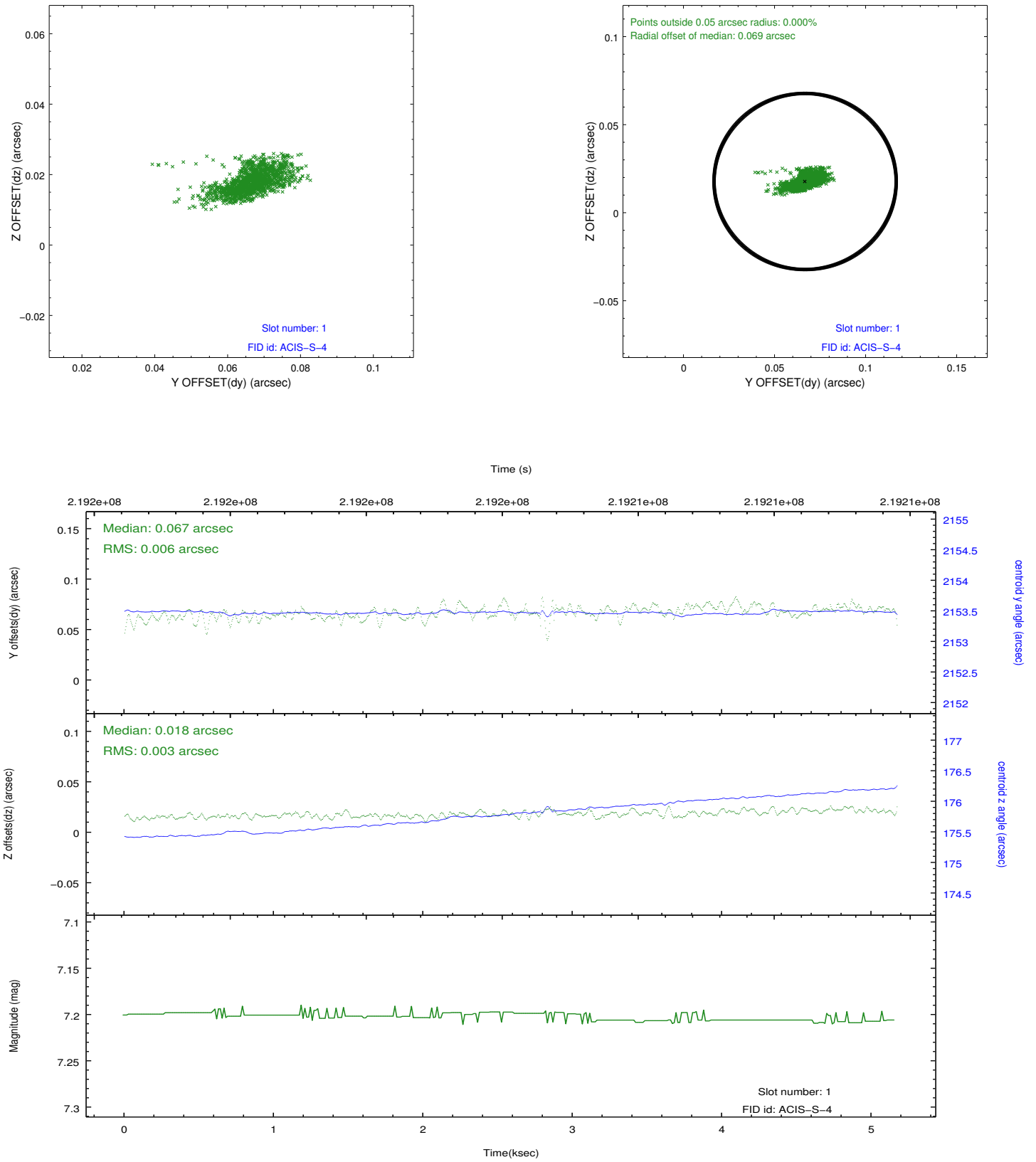


## 2.5 FID Slots

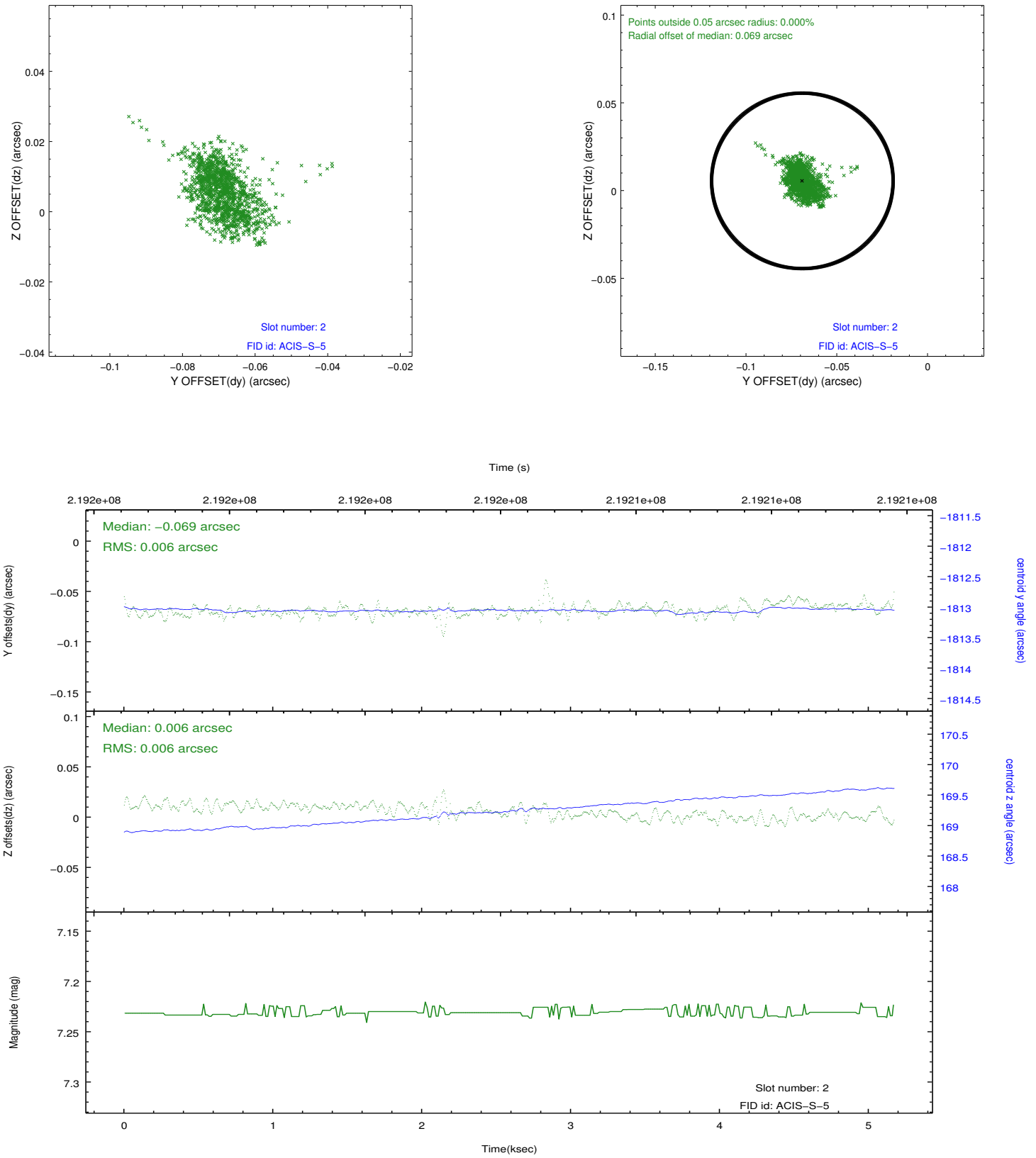
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.164799

### A.2 Comments

Joint Proposal: NOAO