

# V&V Reference Report

## L2 ASCDS Version : 10.4.3.1

Observation 17842 - L2 Version 1  
Chandra X-Ray Center

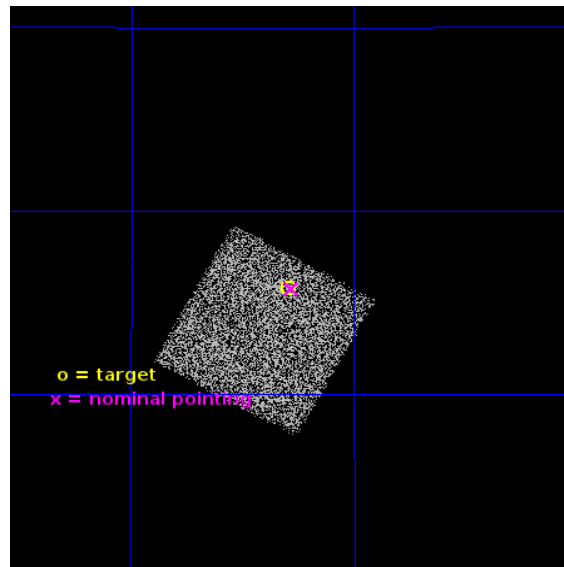
L2 Processing Date : Feb 6 2016

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# 1 Front

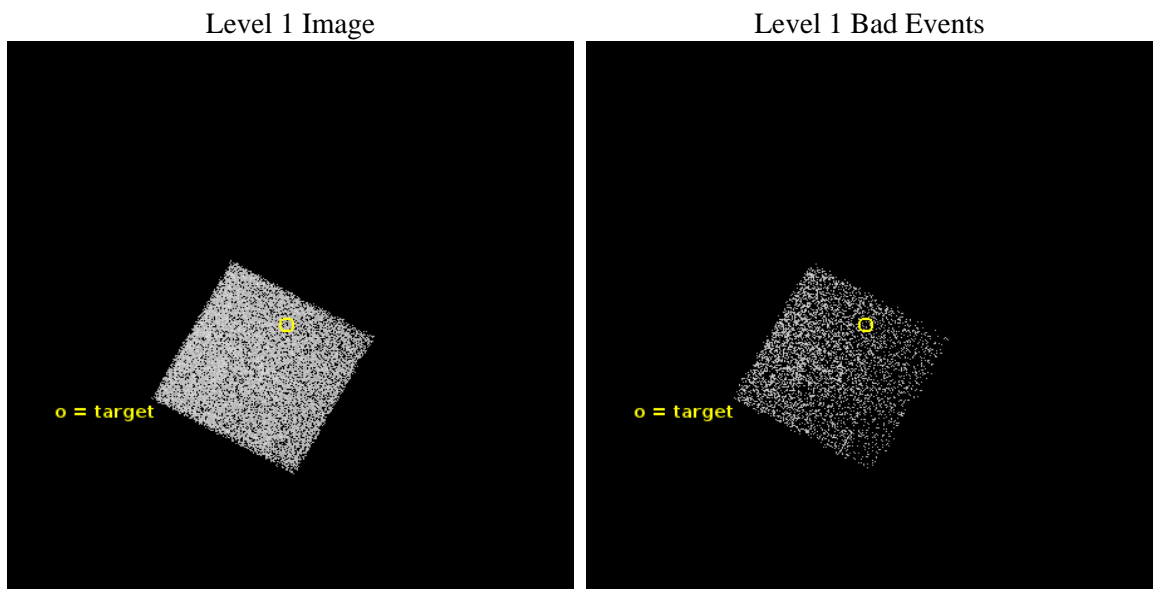
seq_num	401774	Sequence number
obs_id	17842	Observation id
title	The Massive Companions to Low-Mass White Dwarfs	Proposal title
observer	Mr. Jeff Andrews	Principal investigator
object	SDSS J113017.5+385550.1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.572917	Observer's specified target RA [deg]
dec_targ	38.930583	Observer's specified target Dec [deg]
ra_nom	172.57009588336	Nominal RA [deg]
dec_nom	38.929466067814	Nominal Dec [deg]
roll_nom	119.02232270532	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4091.4761072397	Sum of GTIs [s]
livetime	4036.2600694891	Livetime [s]
ontime7	4091.4761072397	Sum of GTIs [s]
l2events	12857	Number of level 2 events



## 2 OBI

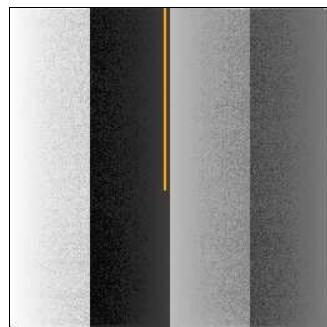
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4091.4761072397	Sum of GTIs [s]
caldsver	4.7.0	&#160	ontime7	4091.4761072397	Sum of GTIs [s]
date	2016-02-06T19:34:52	Date and time of file creation	l1events	30970	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	30970
rejected events	17760
rejected %	57%

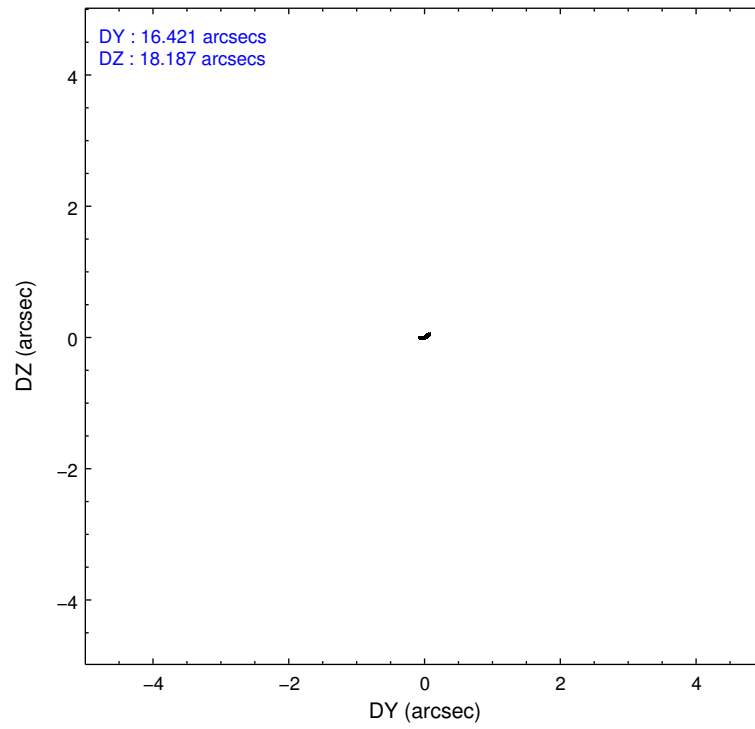
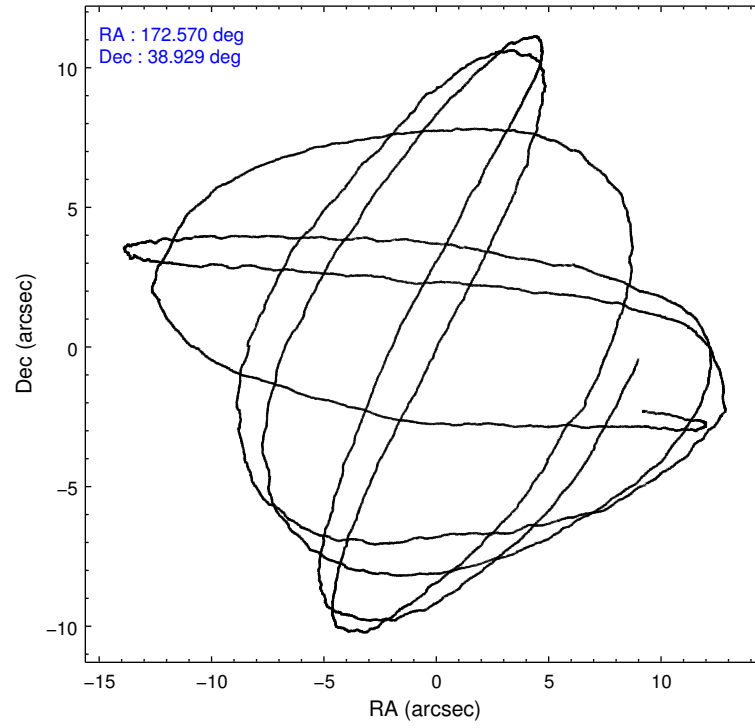
	<b>ccd 7</b>
grade 0 events	1083
	3%
grade 1 events	34
	0%
grade 2 events	2760
	8%
grade 3 events	1066
	3%
grade 4 events	986
	3%
grade 5 events	2919
	9%
grade 6 events	7339
	23%
grade 7 events	14783
	47%

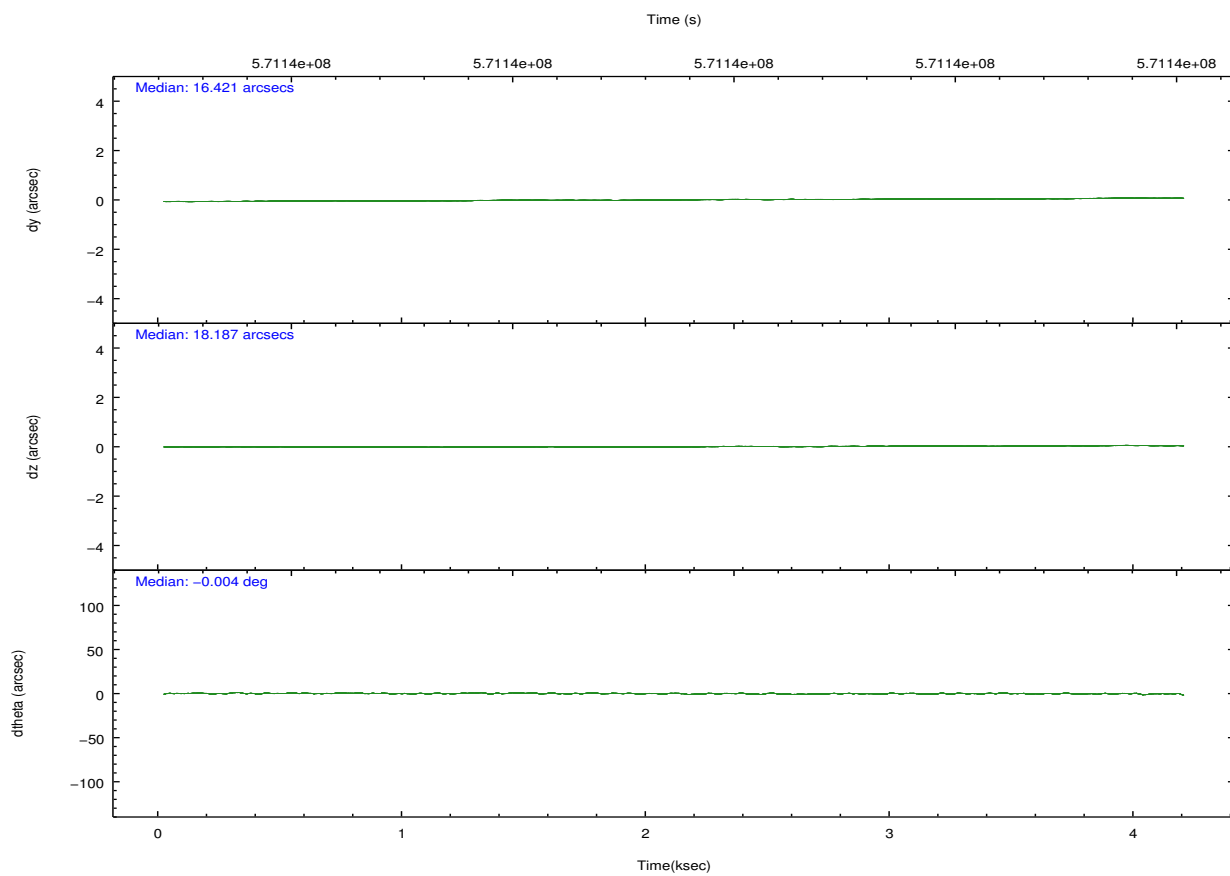
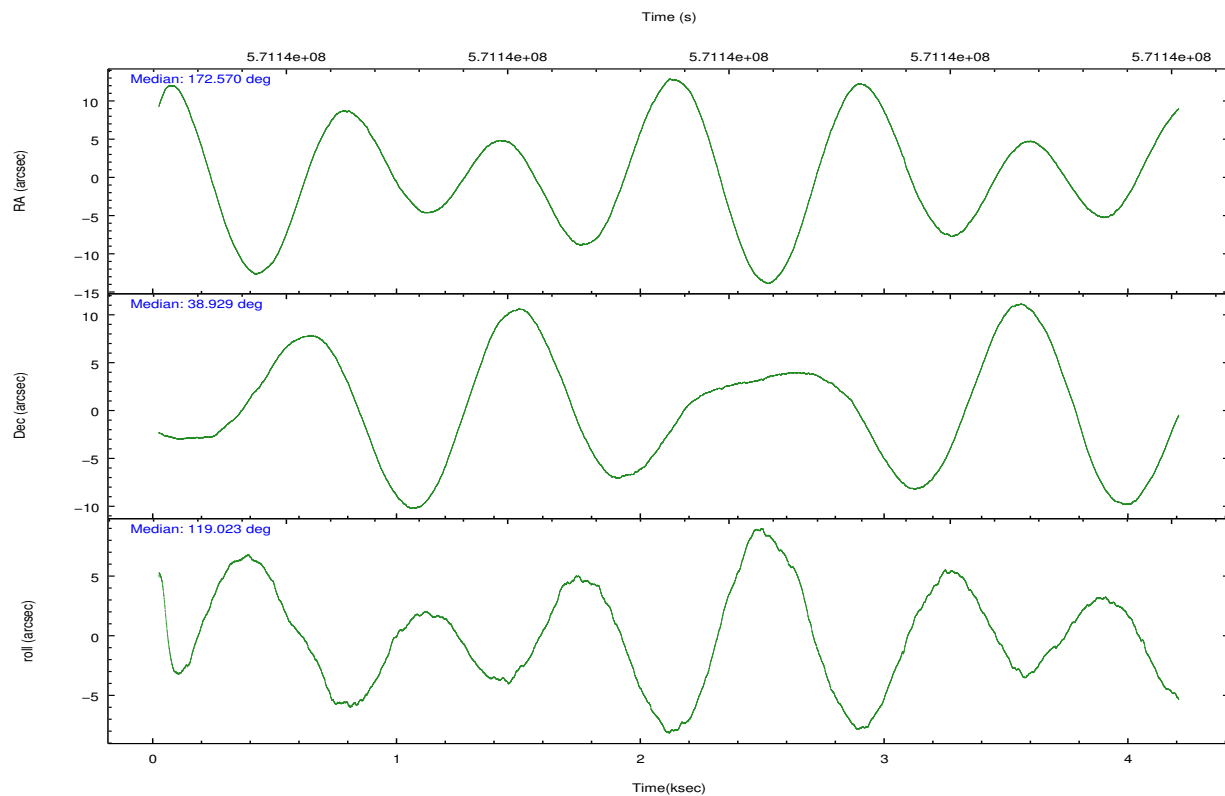


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	172.600612	172.5700958833637	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.915749	38.92946606781382	Alternating exposures requested	N	N
[deg] Pointing Roll	118.846490	119.0223227053161	[s] Primary exposure time	0.000000	3
[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)	571135825.184000	571134848.03076			
Observation start date	2016-02-06T08:49:17	2016-02-06T08:34:08			
[s] Observation end time (MET)	571139825.184000	571140120.63106			
Observation end date	2016-02-06T09:55:57	2016-02-06T10:02:00			
Read mode	TIMED	TIMED			

## 2.3 Aspect



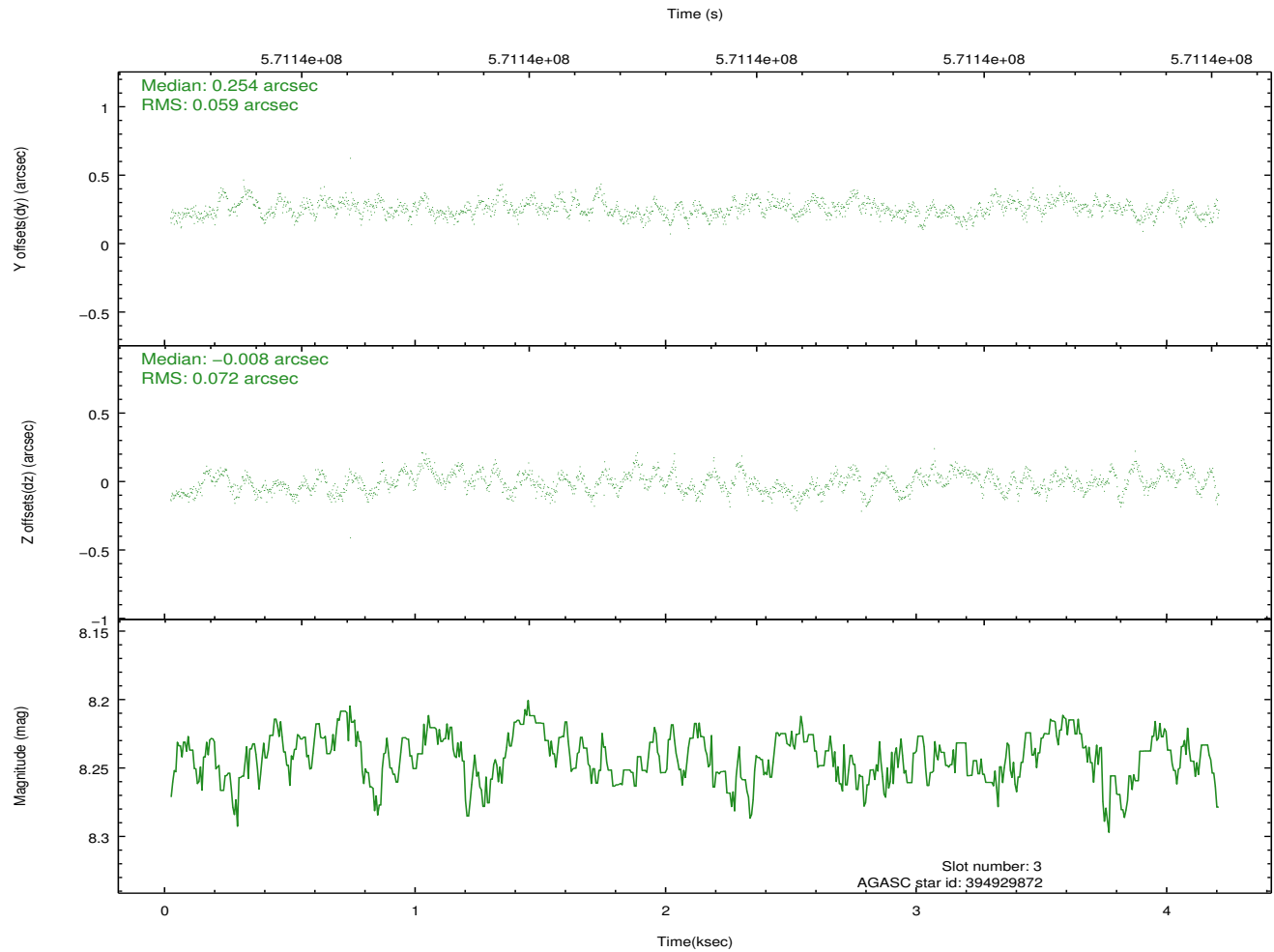
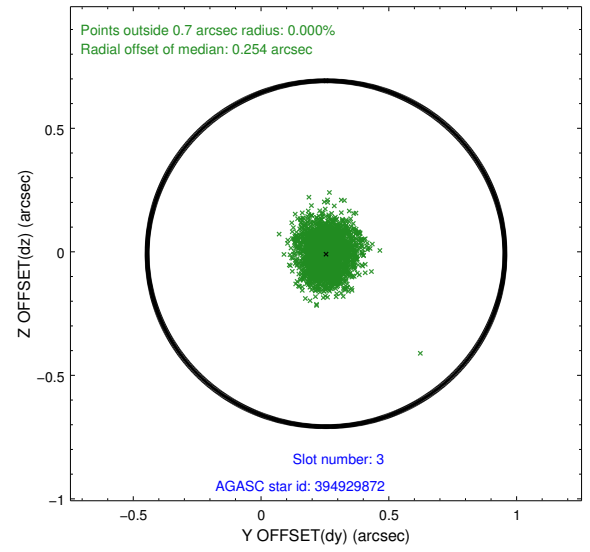
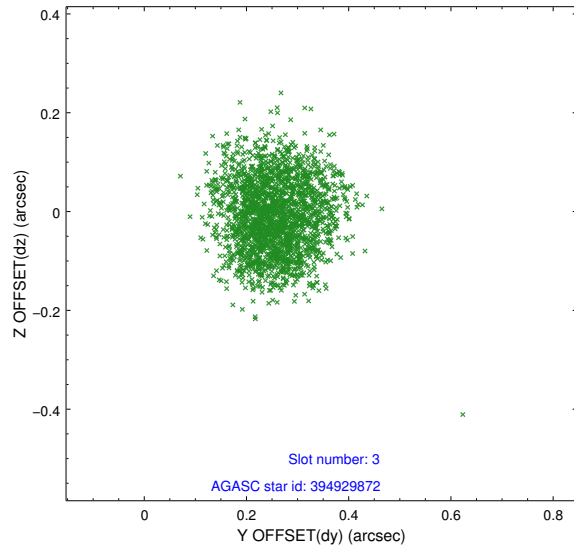


### Slot Statistics

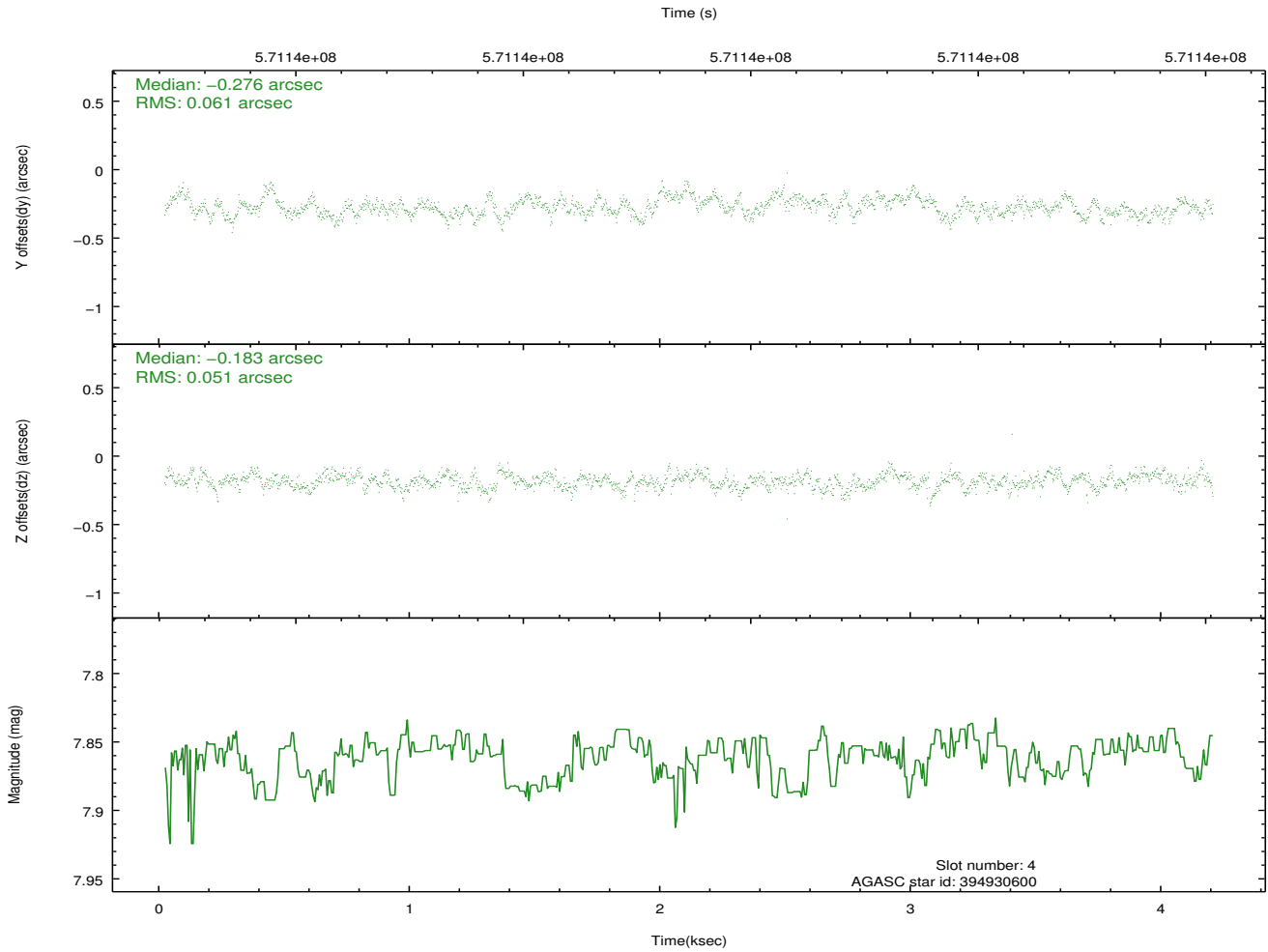
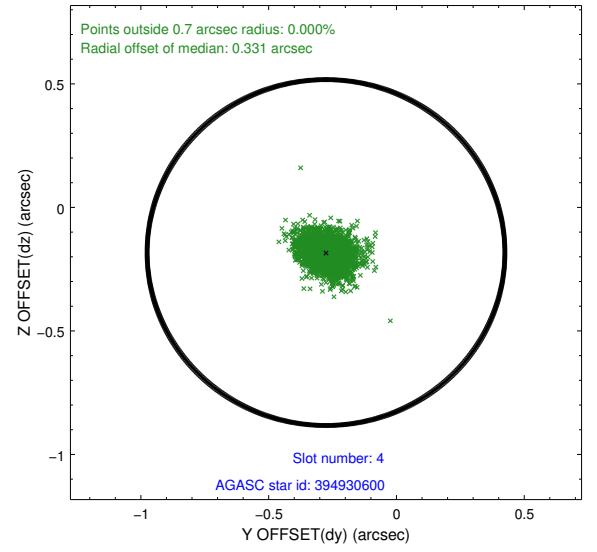
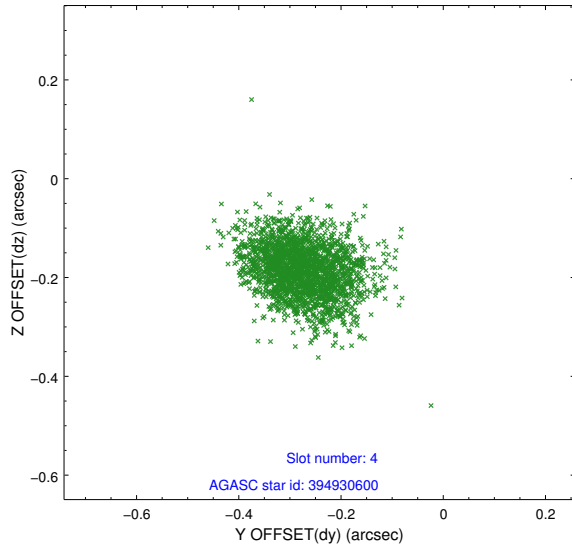
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.16	1021	-0.170	-0.169	0.007	0.011	0.000000	0.000000	-769.61	-1739.77
1	FID		ACIS-S-4	7.26	1021	0.445	0.127	0.006	0.010	0.000000	0.000000	2143.61	167.45
2	FID		ACIS-S-5	7.27	1021	-0.306	0.050	0.006	0.011	0.000000	0.000000	-1820.68	162.75
3	GUIDE	used	394929872	8.24	2040	0.254	-0.008	0.102	0.153	173.209636	38.864457	-979.35	-1408.83
4	GUIDE	used	394930600	7.86	2042	-0.276	-0.183	0.084	0.136	173.267201	39.321680	390.35	-2335.16
5	GUIDE	used	394930944	7.88	2042	0.185	0.135	0.078	0.124	173.305879	38.857361	-1133.43	-1635.66
6	GUIDE	used	394931192	7.53	2042	-0.448	-0.205	0.076	0.123	172.149414	39.308027	1846.24	417.37
7	GUIDE	used	394933232	9.30	2038	0.279	0.261	0.134	0.213	173.136985	39.071759	-228.11	-1586.89

## 2.4 Star Slots

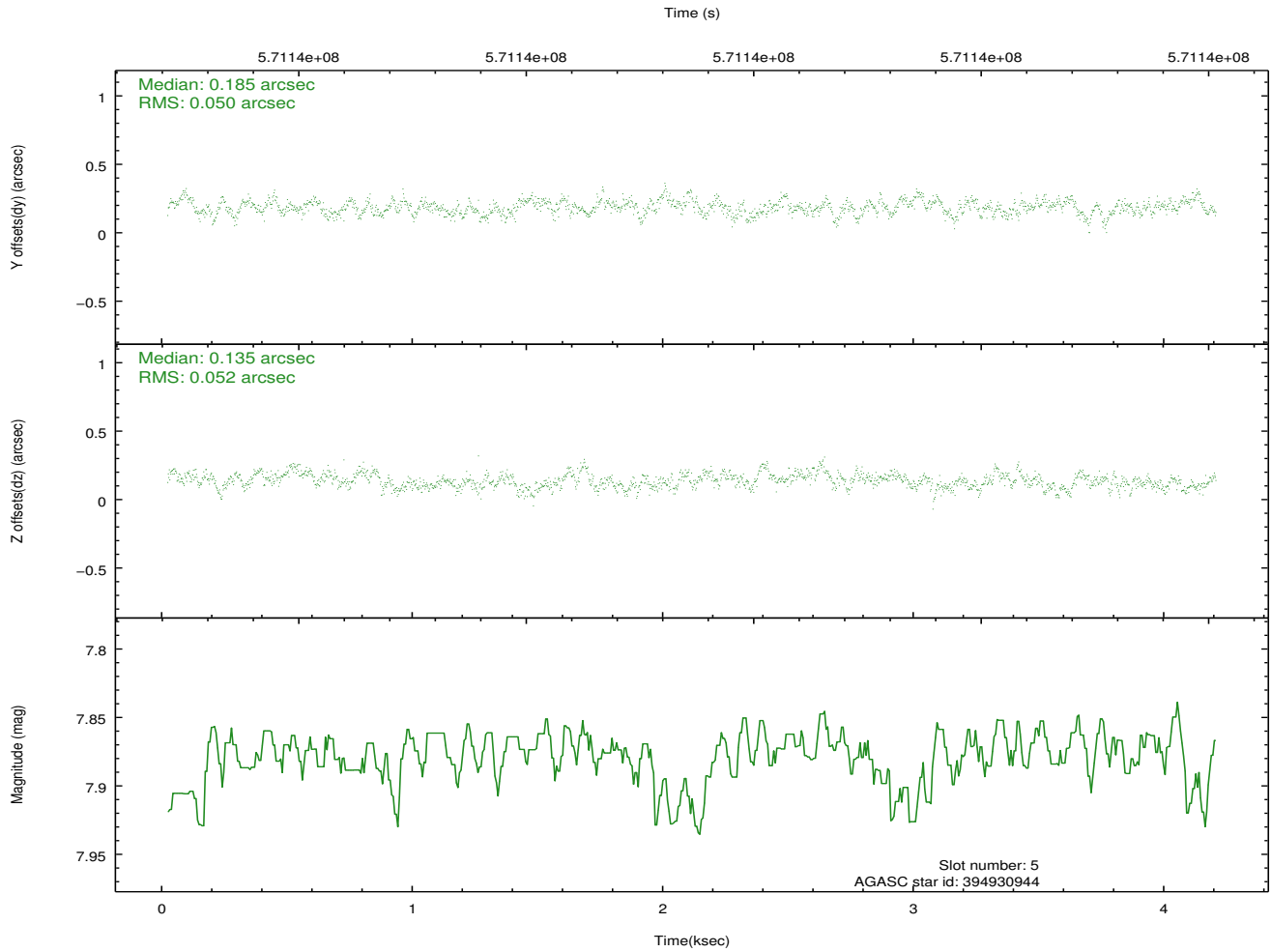
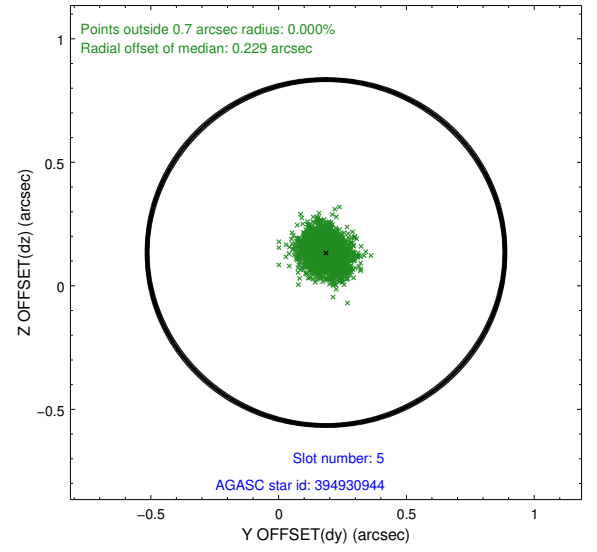
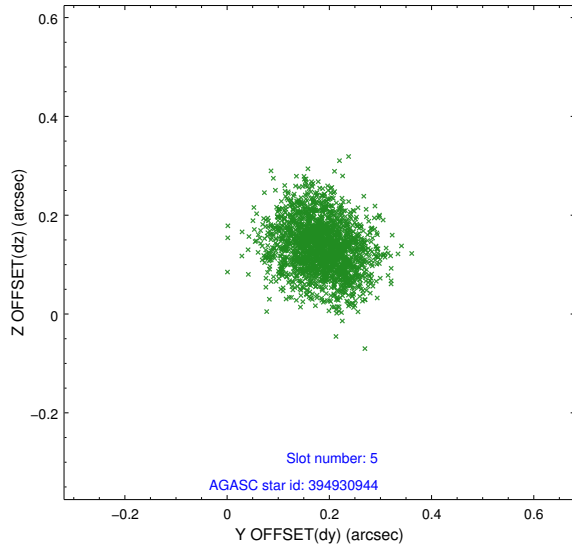
### 2.4.1 Slot 3



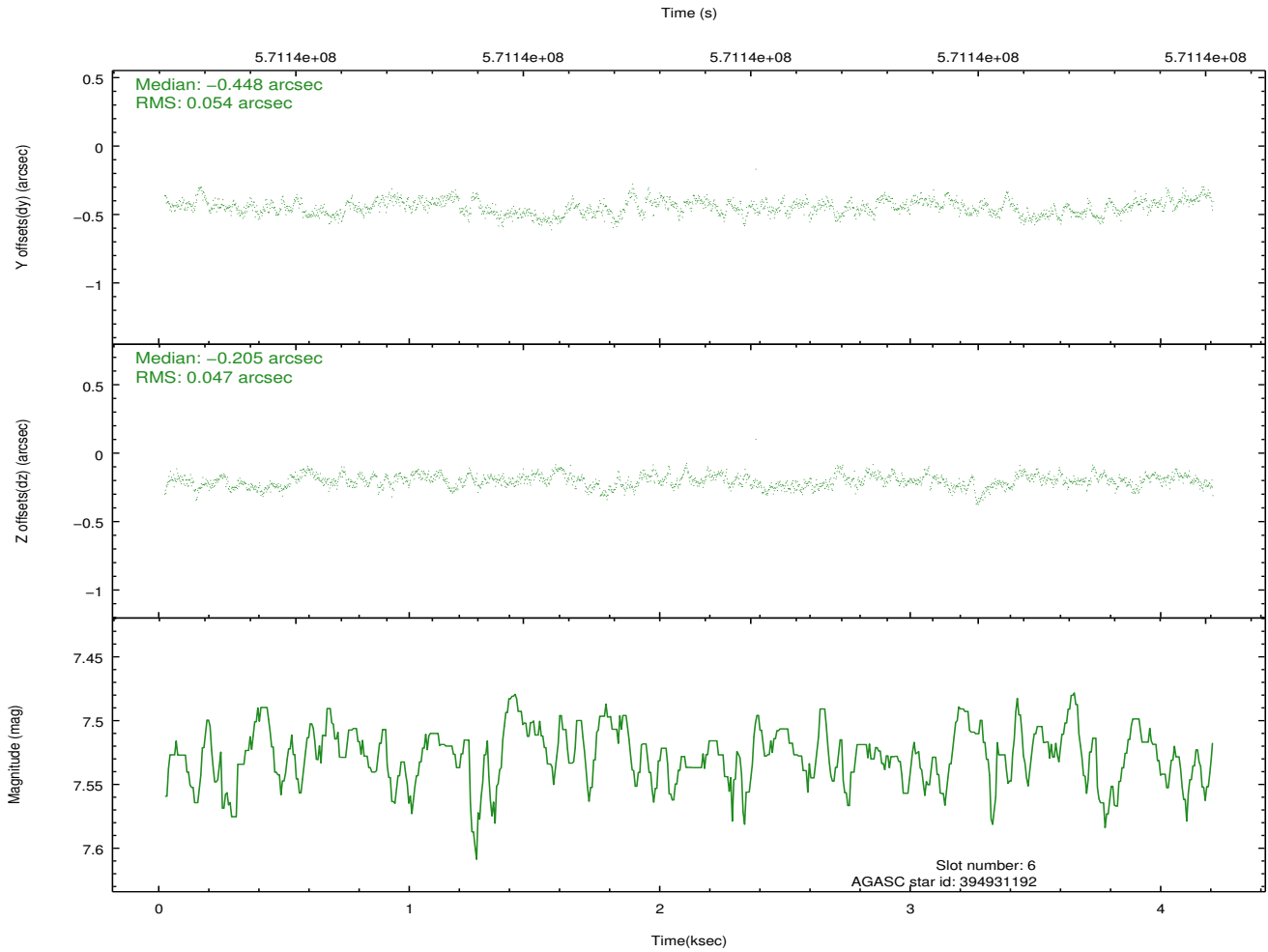
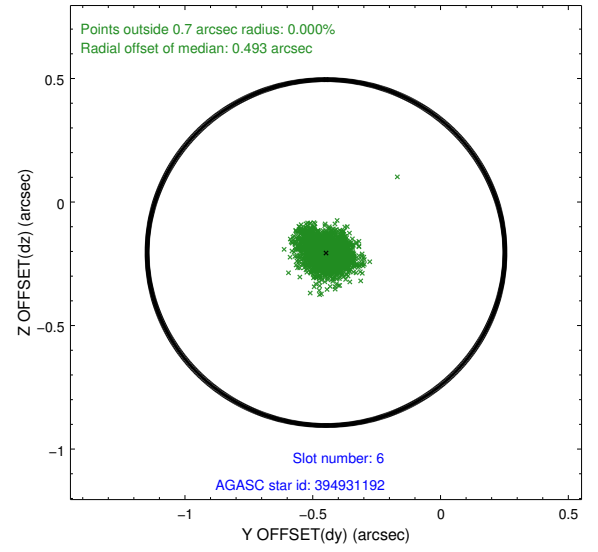
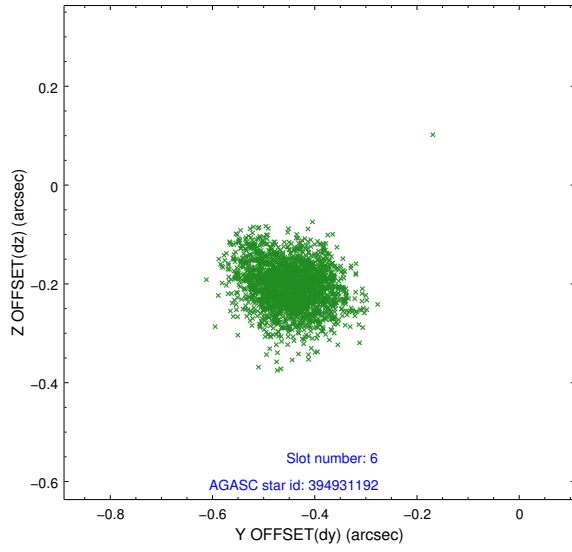
## 2.4.2 Slot 4



### 2.4.3 Slot 5

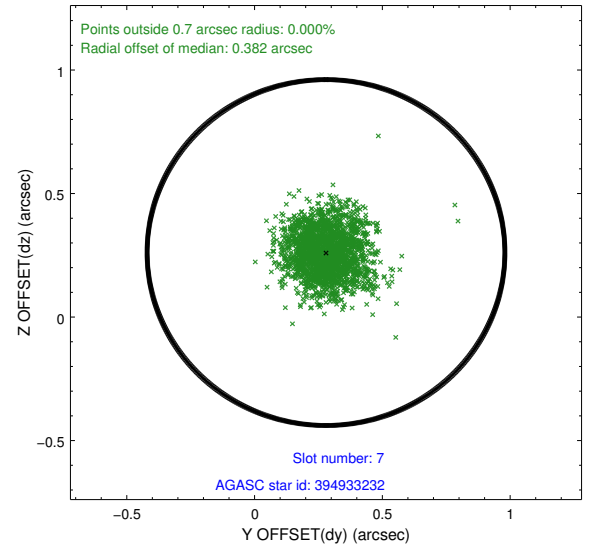
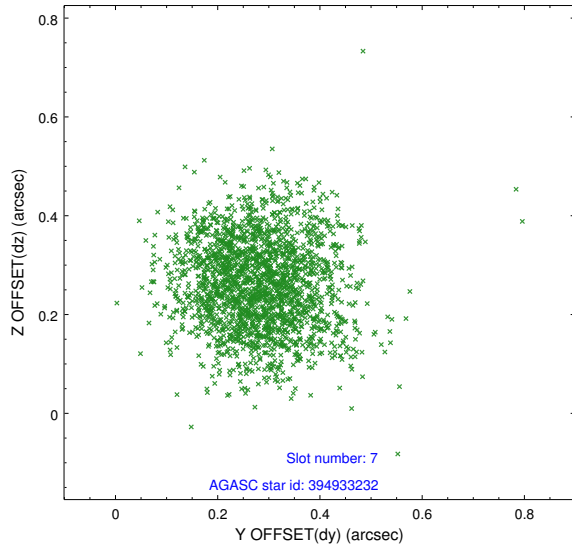


## 2.4.4 Slot 6

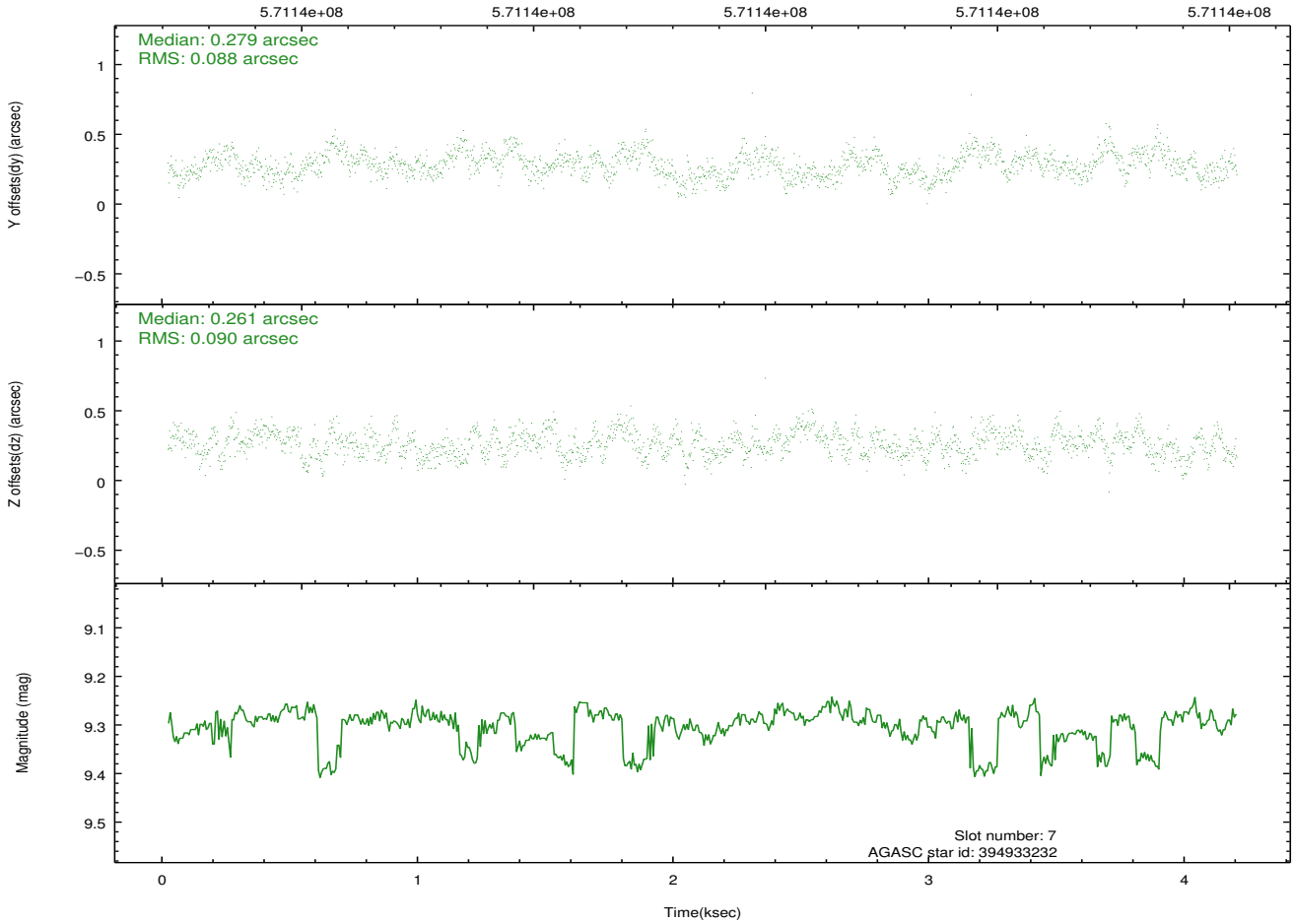




## 2.4.5 Slot 7

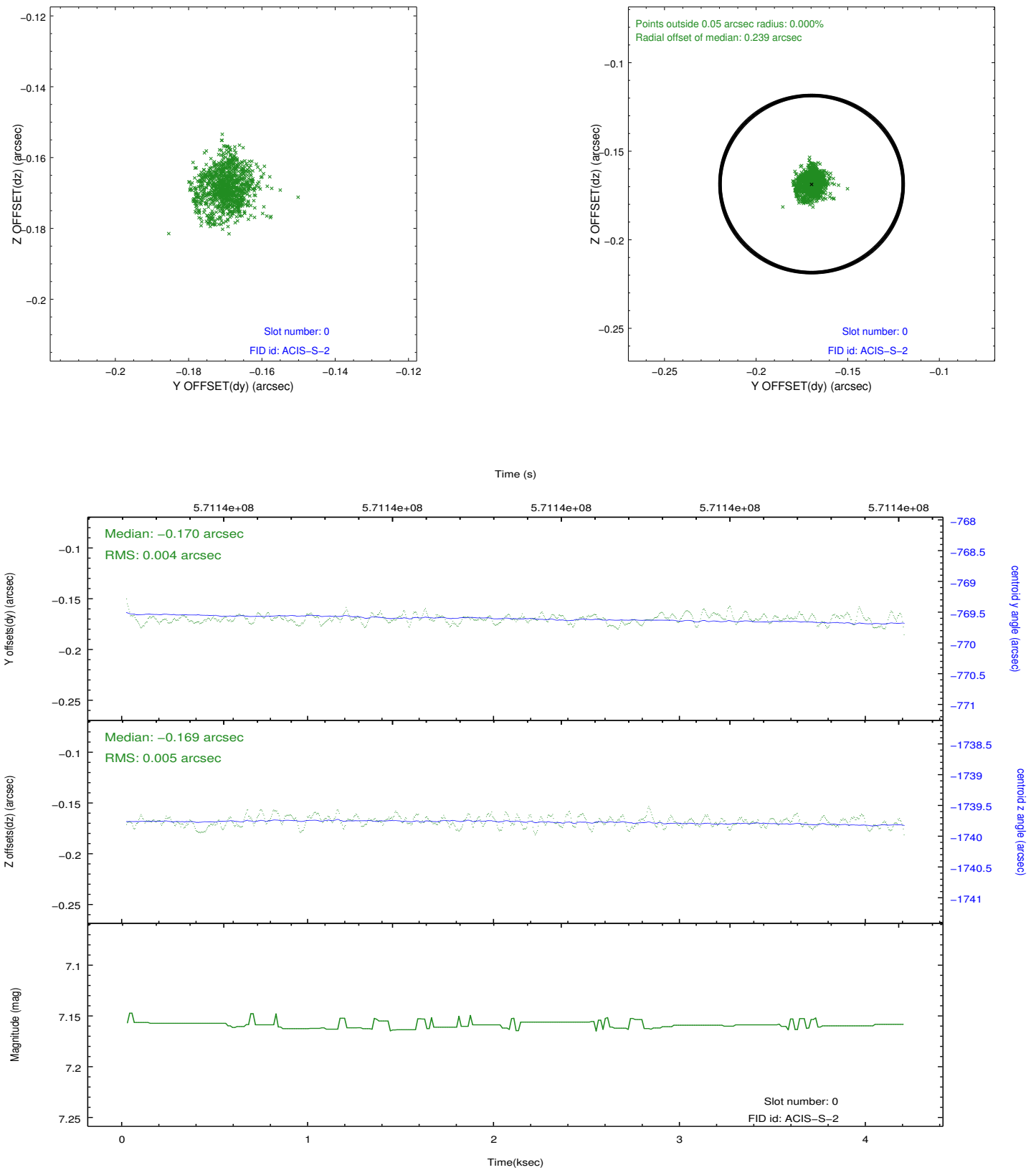


Time (s)

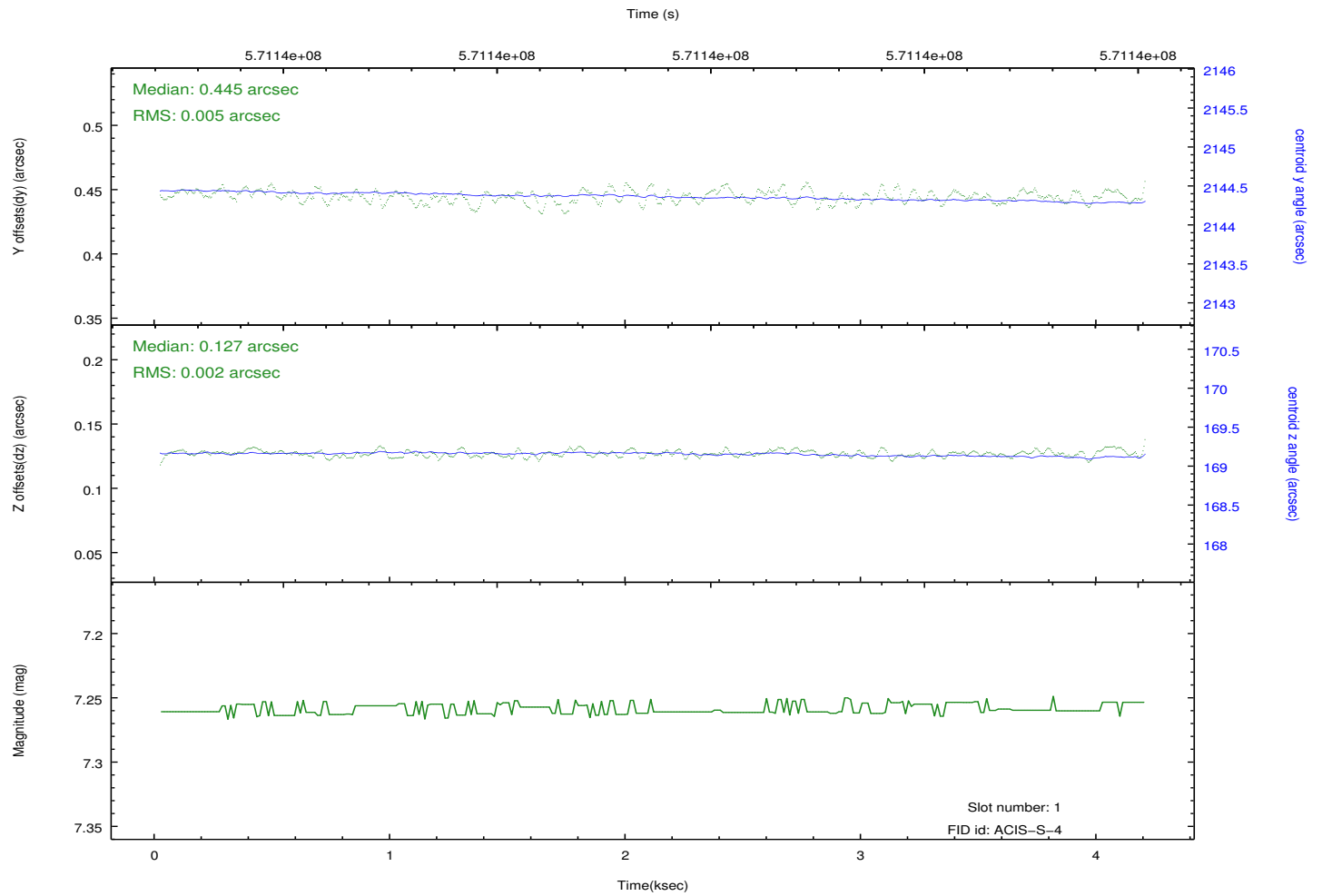
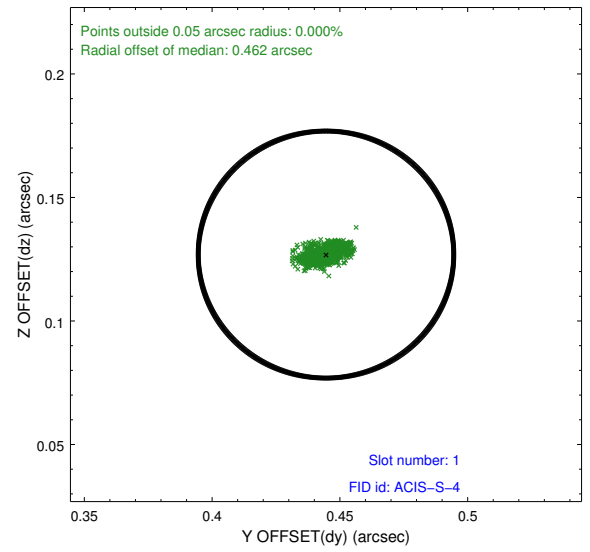
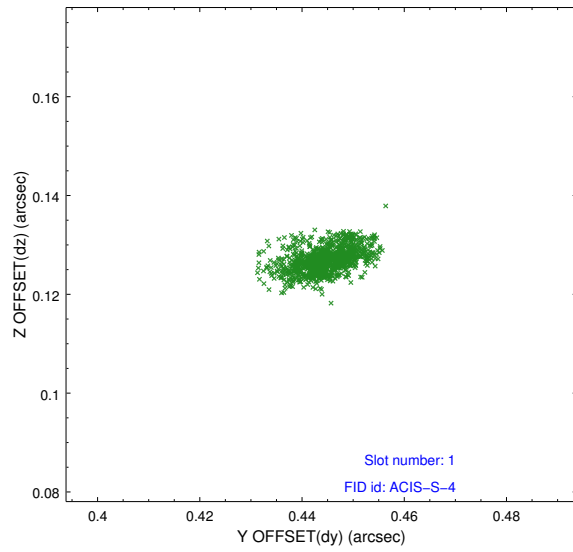


## 2.5 FID Slots

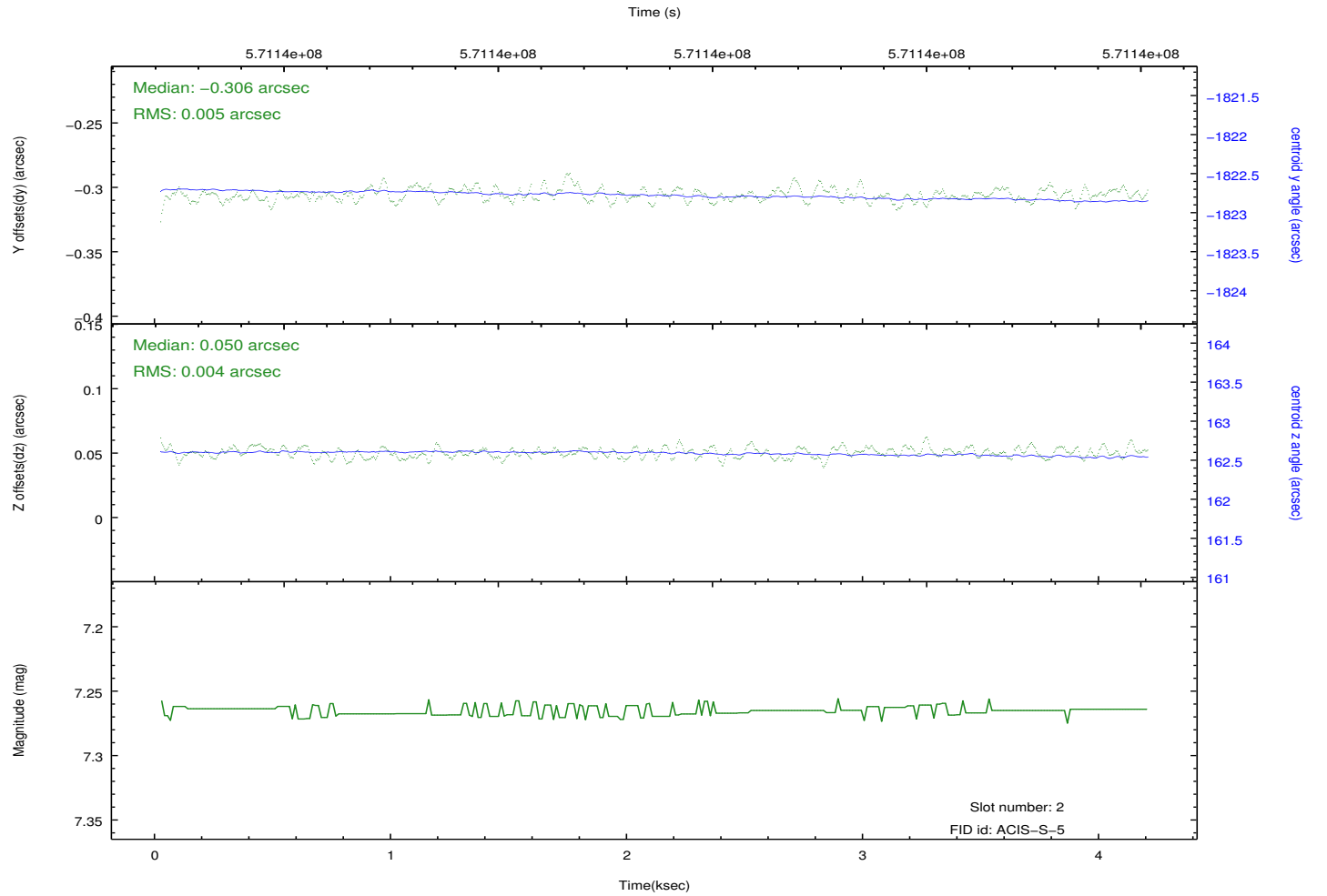
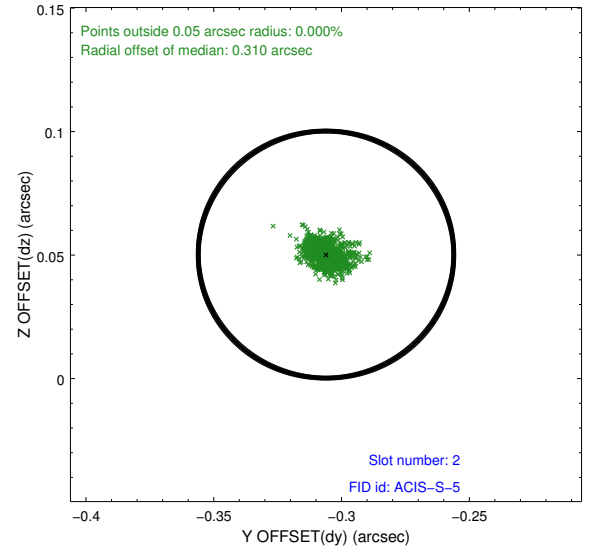
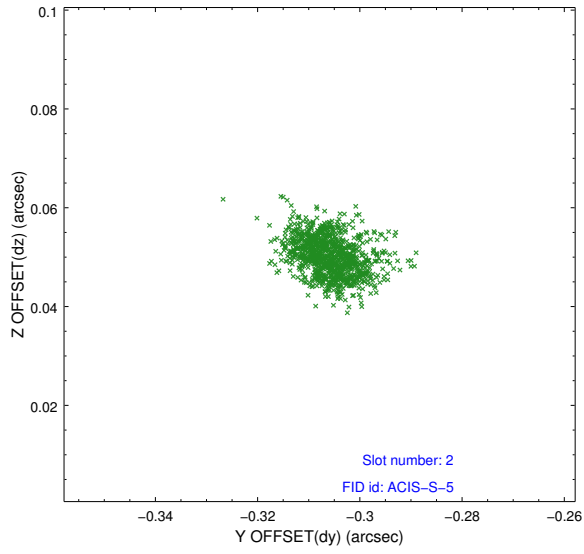
### 2.5.1 Slot 0



## 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)	2016.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0914761072397

### A.2 Comments