

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13356 - L2 Version 2  
Chandra X-Ray Center

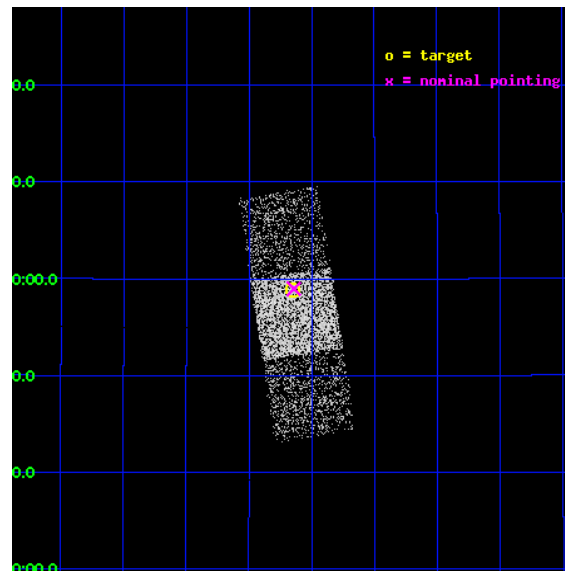
L2 Processing Date : Feb 27 2012

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# 1 Front

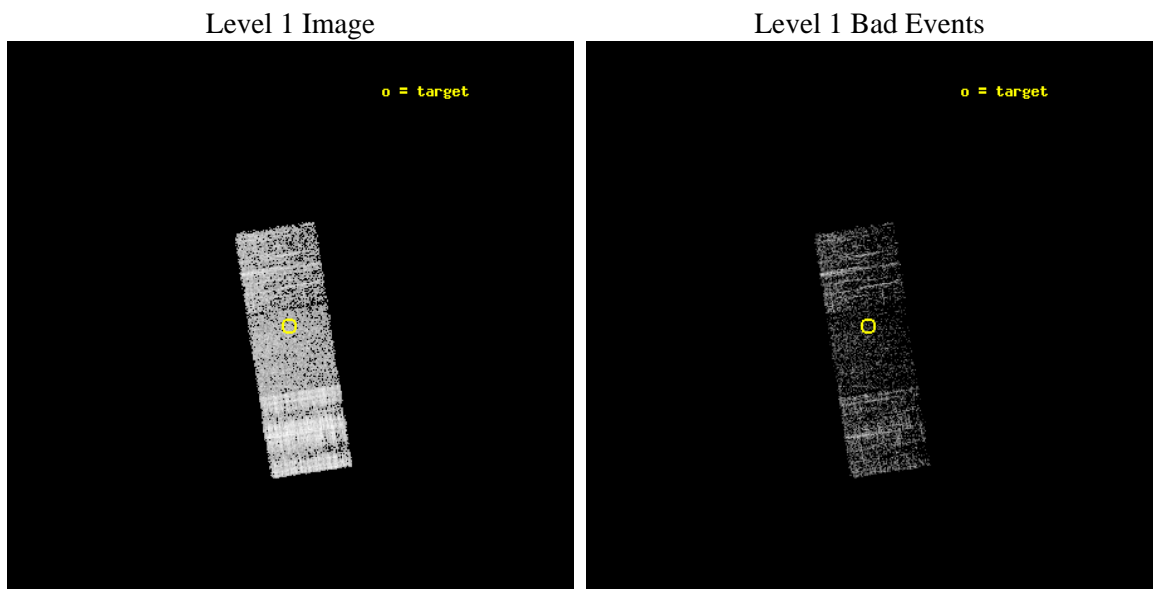
seq_num	702563	Sequence number
obs_id	13356	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0838+2858	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.663333	Observer's specified target RA [deg]
dec_targ	28.981306	Observer's specified target Dec [deg]
ra_nom	129.66045926978	Nominal RA [deg]
dec_nom	28.982911353101	Nominal Dec [deg]
roll_nom	81.229576002662	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1561.0495709777	Sum of GTIs [s]
livetime	1540.6533091049	Livetime [s]
ontime6	1561.0085309744	Sum of GTIs [s]
ontime7	1561.0495709777	Sum of GTIs [s]
ontime8	1560.9674909711	Sum of GTIs [s]
l2events	7442	Number of level 2 events



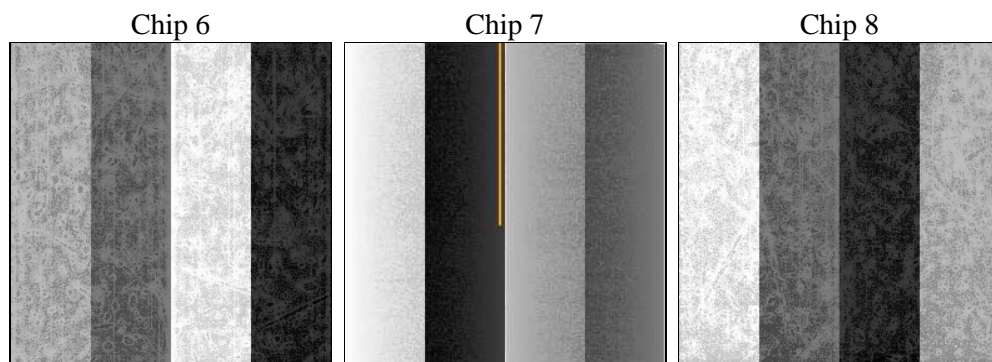
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1561.0495709777	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime6	1561.0085309744	Sum of GTIs [s]
date	2012-02-27T12:45:14	Date and time of file creation	ontime7	1561.0495709777	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1560.9674909711	Sum of GTIs [s]
			l1events	52919	Number of level 1 events

### 2.1.4 Events

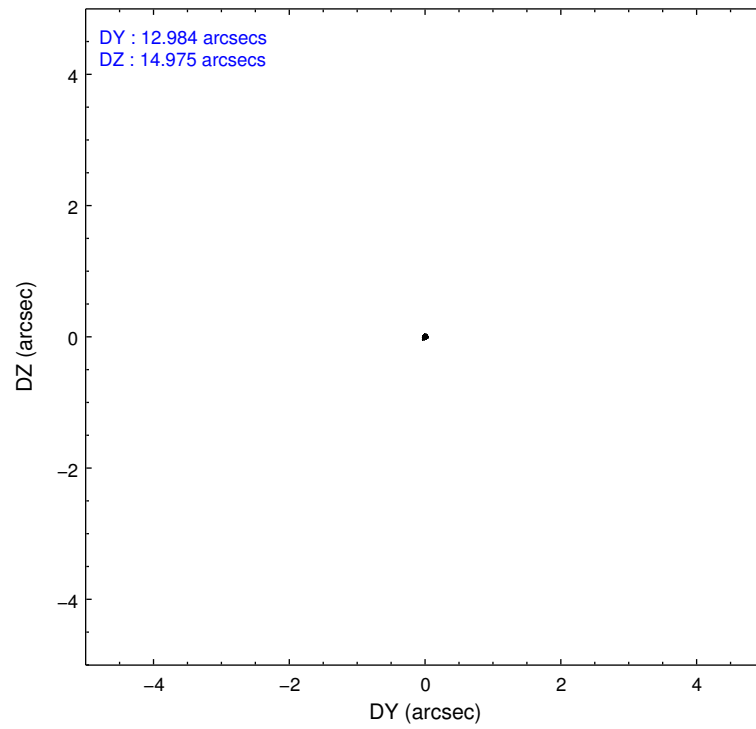
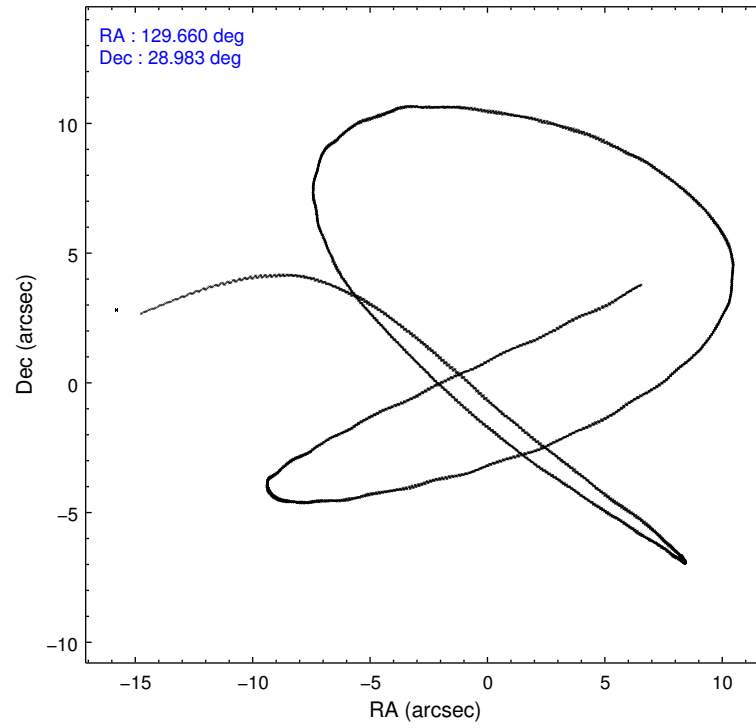
	ccd 6	ccd 7	ccd 8
level 1 events	11734	10988	30197
rejected events	10233	5586	11463
rejected %	87%	50%	37%

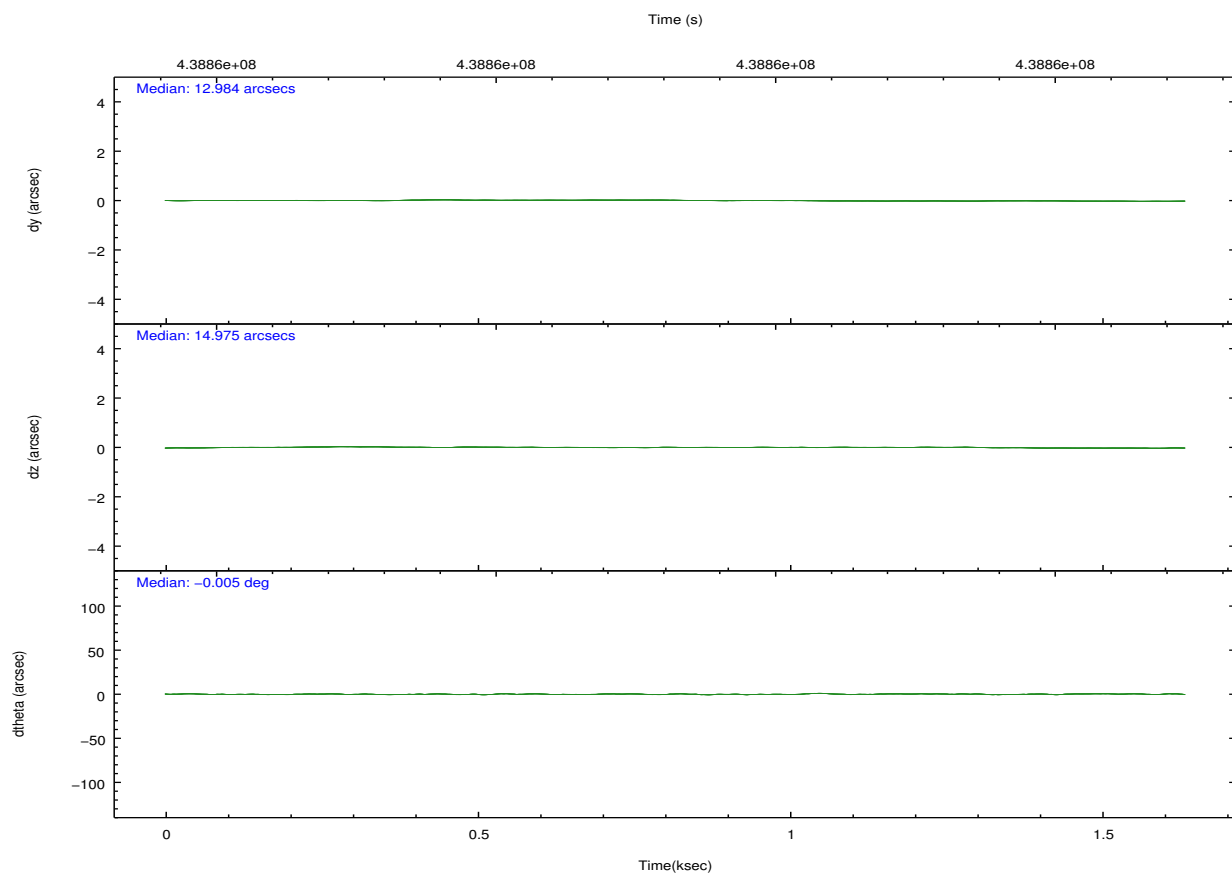
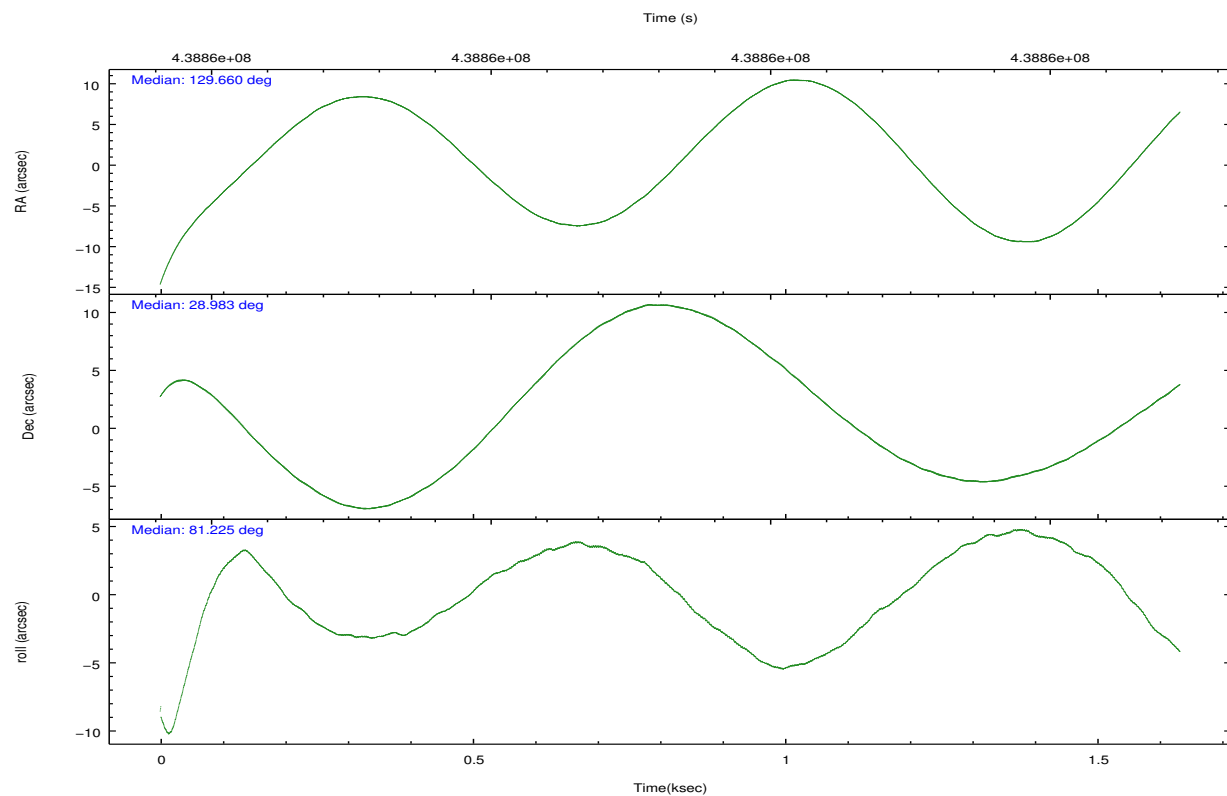
	ccd 6	ccd 7	ccd 8
grade 0 events	669	545	6328
	5%	4%	20%
grade 1 events	7	14	56
	0%	0%	0%
grade 2 events	392	1251	2314
	3%	11%	7%
grade 3 events	119	488	3648
	1%	4%	12%
grade 4 events	100	502	3233
	0%	4%	10%
grade 5 events	362	1205	745
	3%	10%	2%
grade 6 events	226	2628	3237
	1%	23%	10%
grade 7 events	9859	4355	10636
	84%	39%	35%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	129.672446	129.6604592697796	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.957948	28.98291135310067	Alternating exposures requested	N	N
[deg] Pointing Roll	81.067255	81.22957600266163	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	438857635.184000	438856440.56743			
Observation start date	2011-11-28T08:52:49	2011-11-28T08:34:00			
[s] Observation end time (MET)	438859135.184000	438859962.98012			
Observation end date	2011-11-28T09:17:49	2011-11-28T09:32:42			
Read mode	TIMED	TIMED			

## 2.3 Aspect





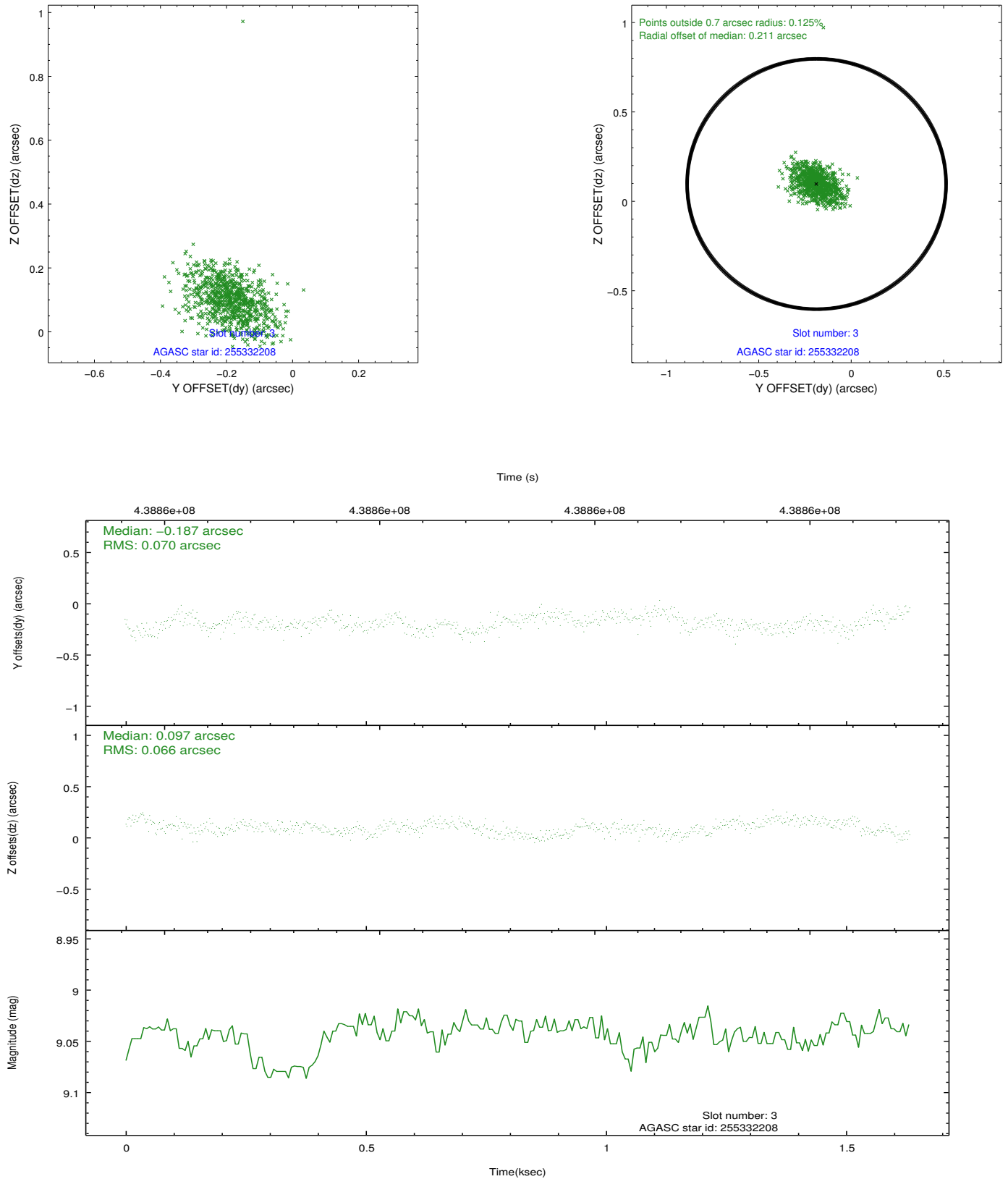
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	399	-0.056	-0.012	0.006	0.010	0.000000	0.000000	-765.94	-1736.37
1	FID	ACIS-S-4	7.02	399	0.197	0.030	0.005	0.009	0.000000	0.000000	2145.73	167.99
2	FID	ACIS-S-5	7.05	398	-0.172	-0.010	0.006	0.010	0.000000	0.000000	-1813.72	166.18
3	GUIDE	255332208	9.04	798	-0.187	0.097	0.097	0.159	129.877377	29.545773	2192.16	-305.75
4	GUIDE	255333608	8.25	795	0.153	0.233	0.070	0.117	130.179620	28.572793	-1112.82	-1799.21
5	GUIDE	255337432	7.95	798	-0.330	0.096	0.060	0.096	130.226540	29.206439	1158.27	-1583.07
6	GUIDE	255342024	9.05	798	0.248	-0.131	0.084	0.138	129.302884	28.386018	-2210.86	834.24
7	GUIDE	255341192	7.99	797	0.118	-0.288	0.080	0.133	129.093544	28.707697	-1170.53	1666.63

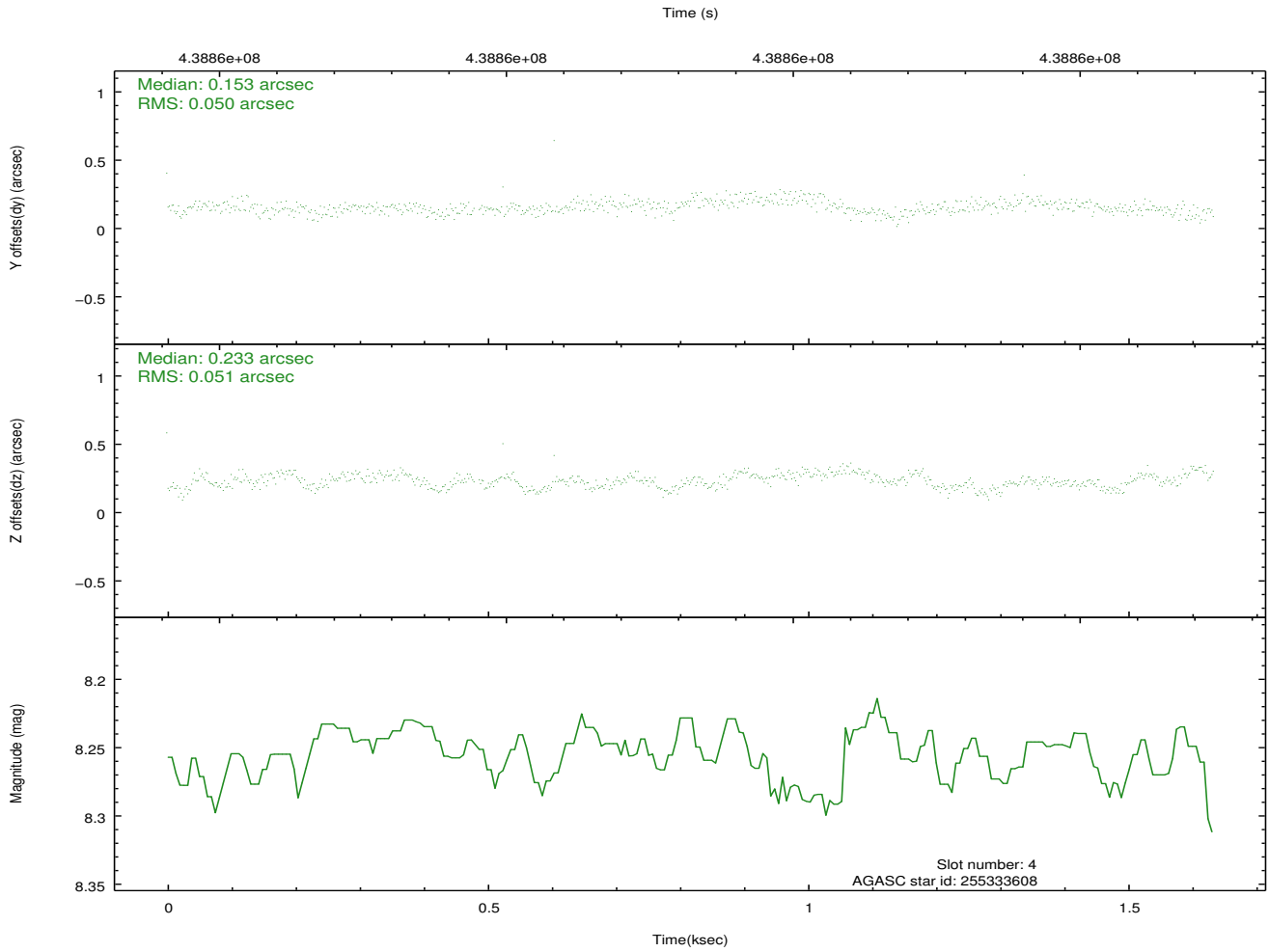
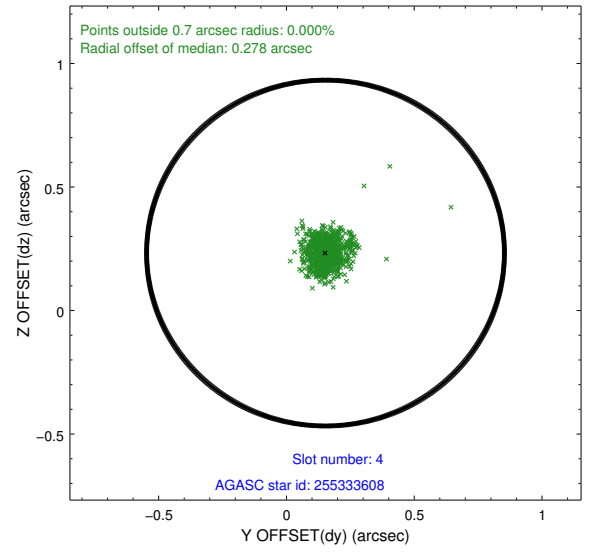
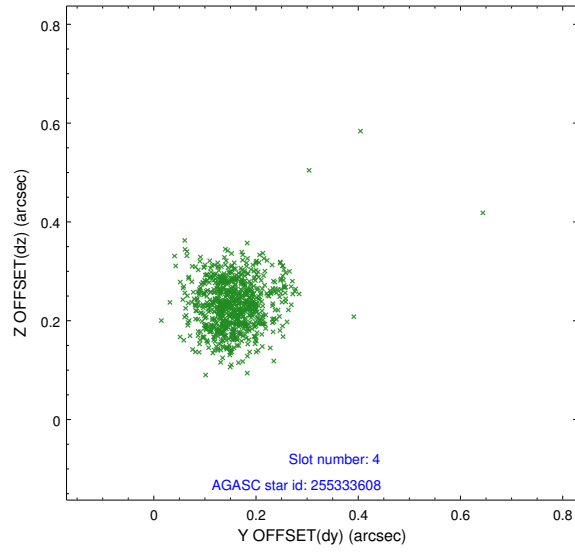


## 2.4 Star Slots

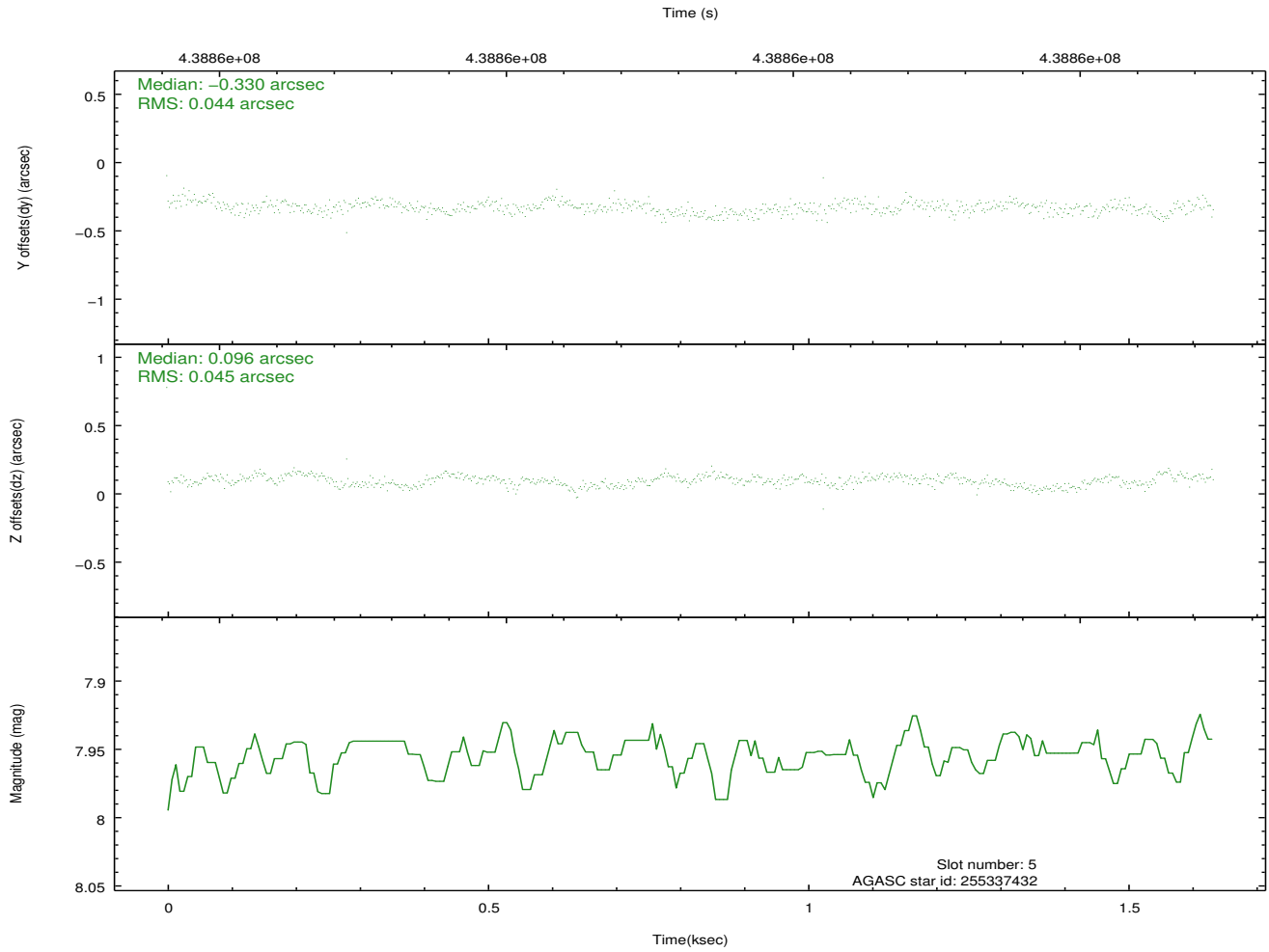
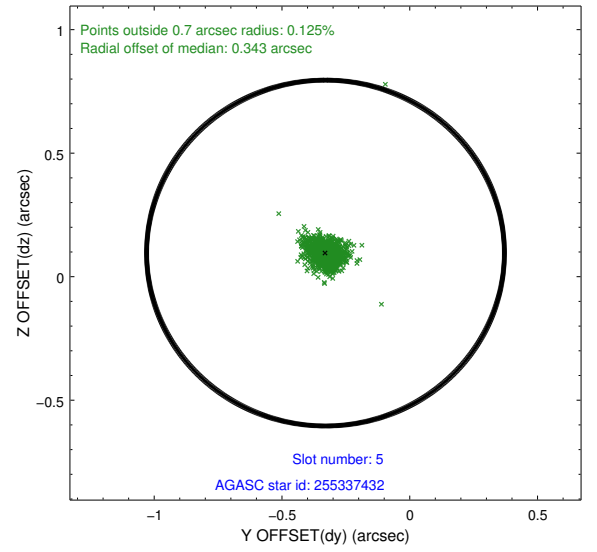
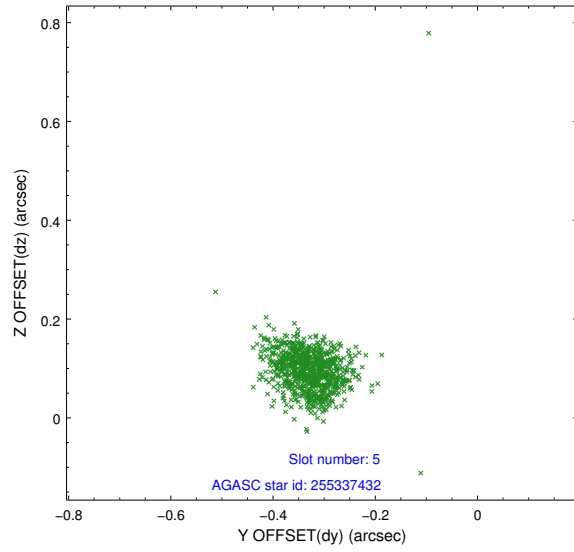
### 2.4.1 Slot 3



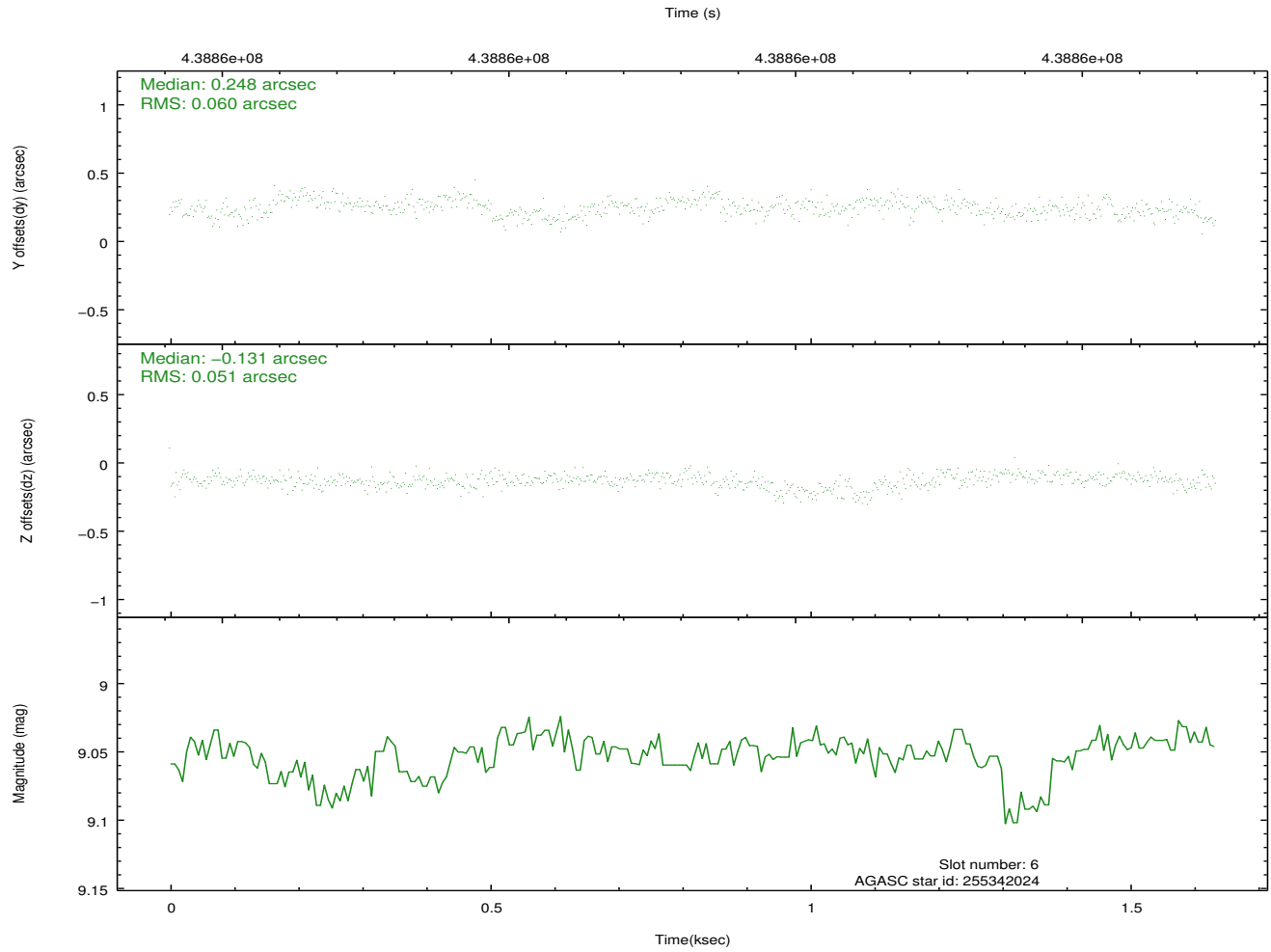
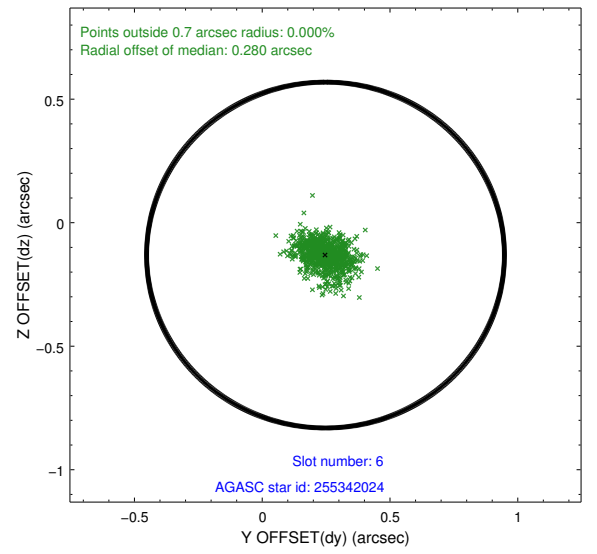
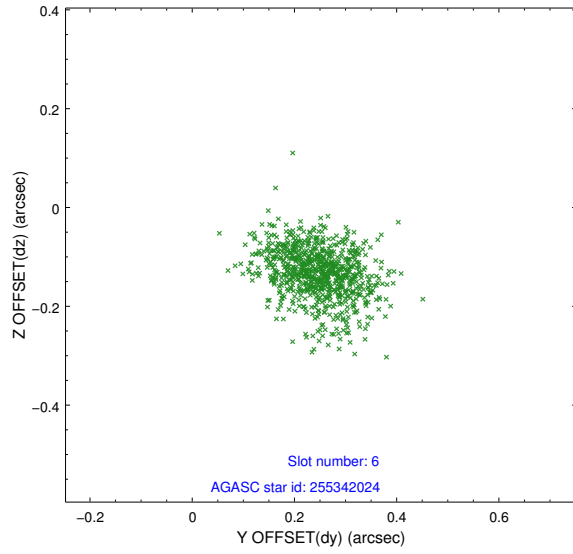
## 2.4.2 Slot 4



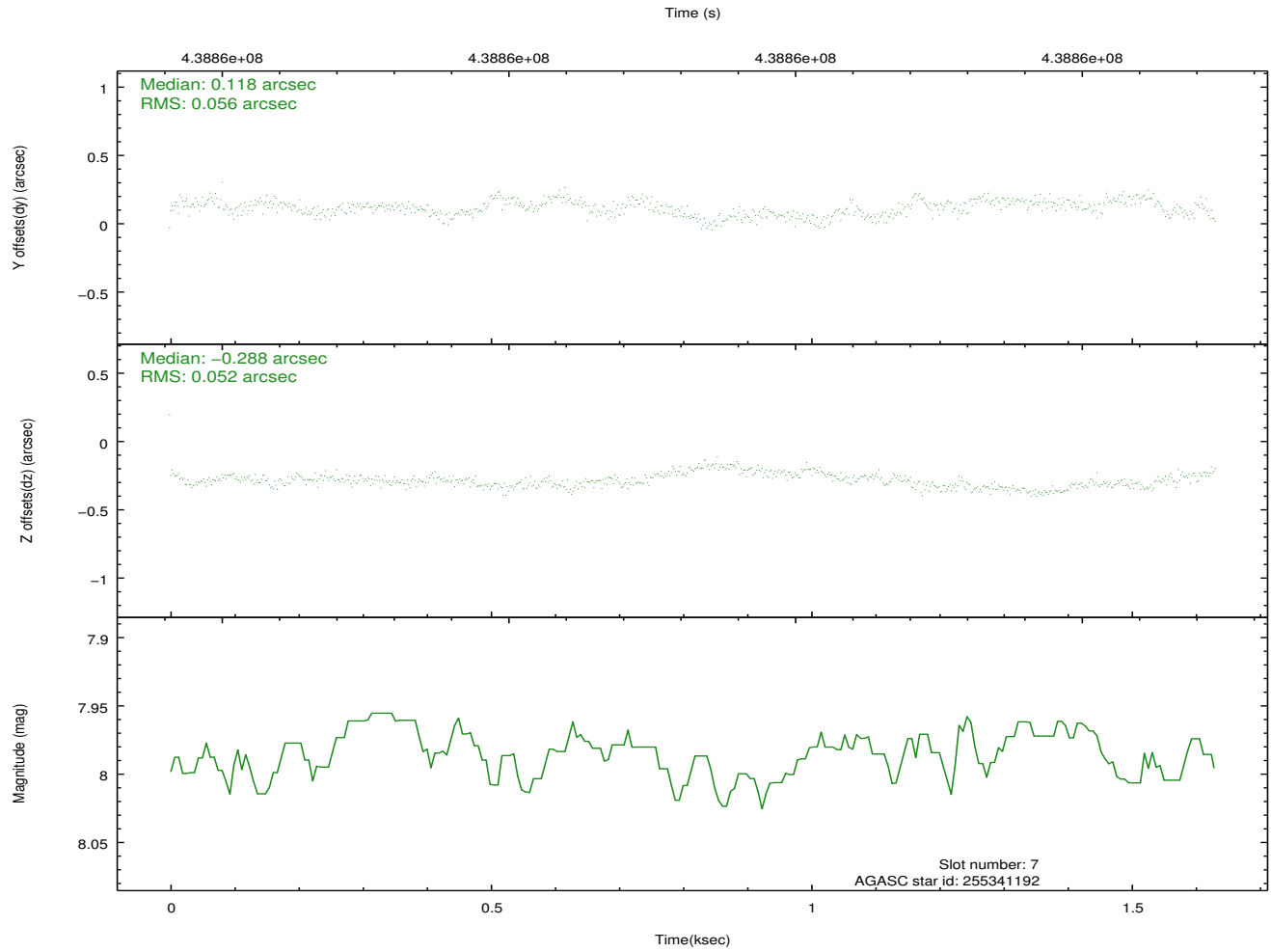
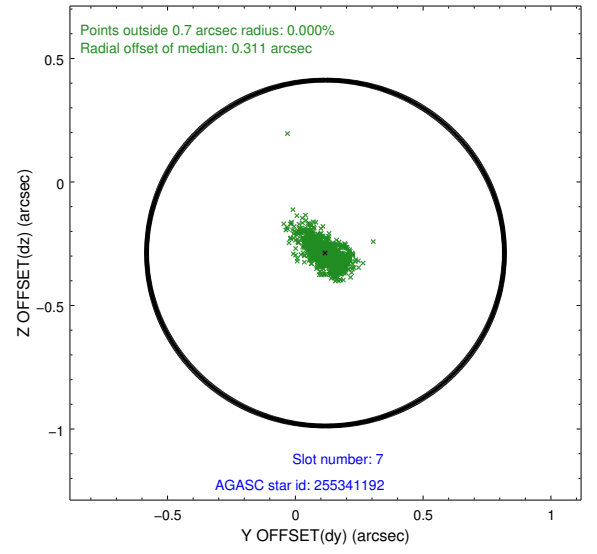
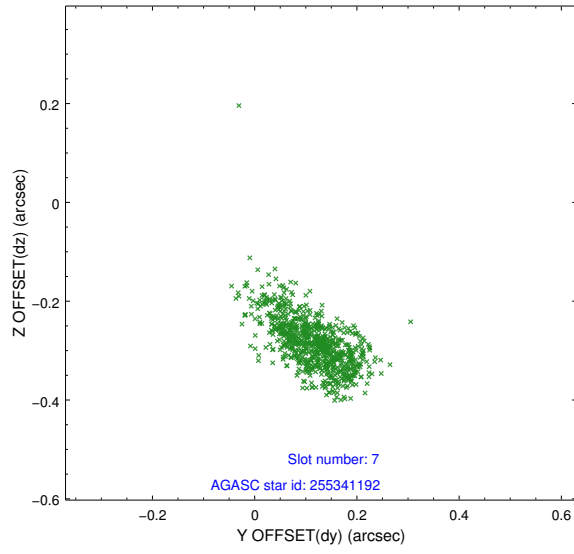
### 2.4.3 Slot 5



## 2.4.4 Slot 6

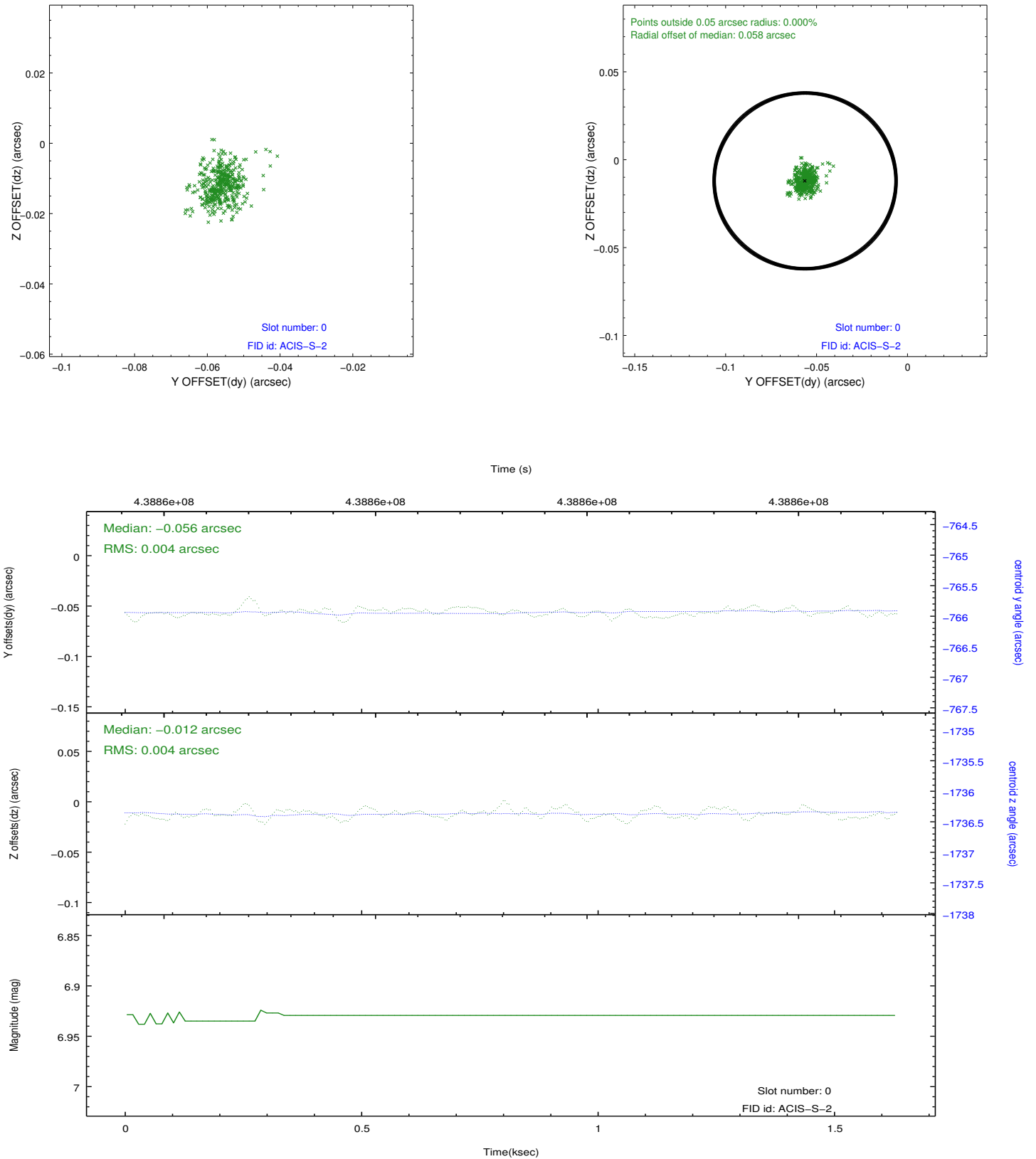


## 2.4.5 Slot 7

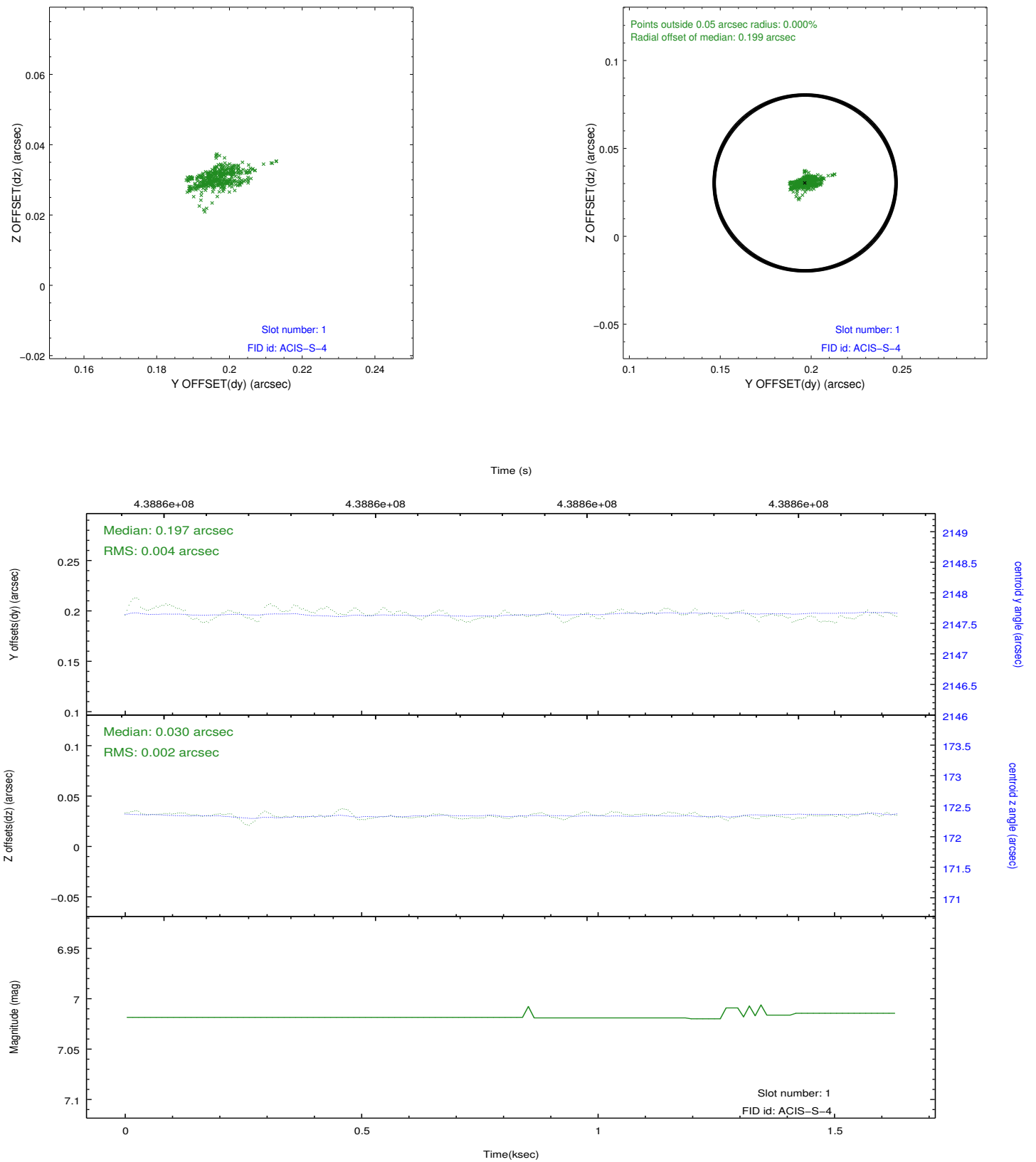


## 2.5 FID Slots

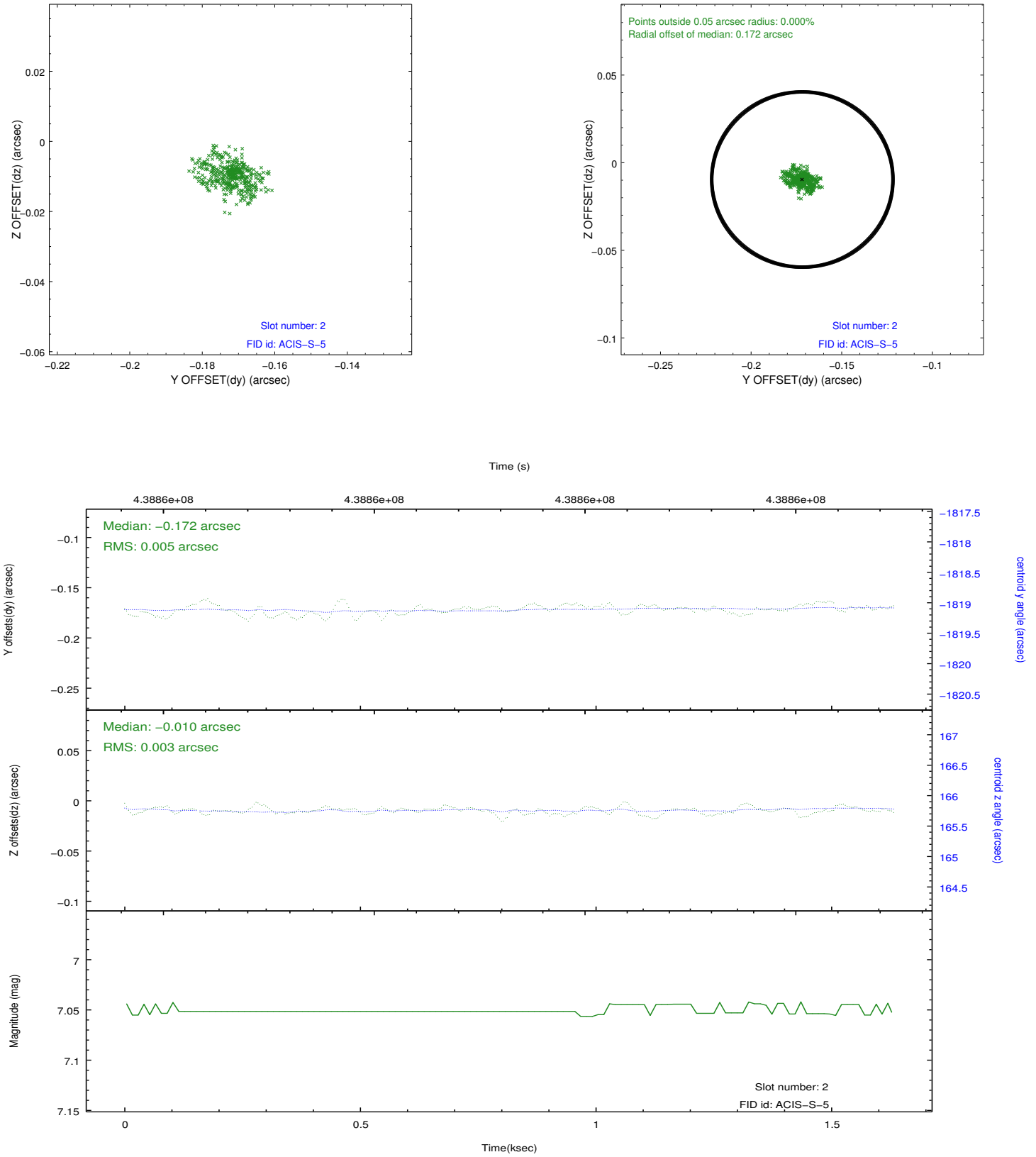
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5610495666862

### A.2 Comments