

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 7725 - L2 Version 3  
Chandra X-Ray Center

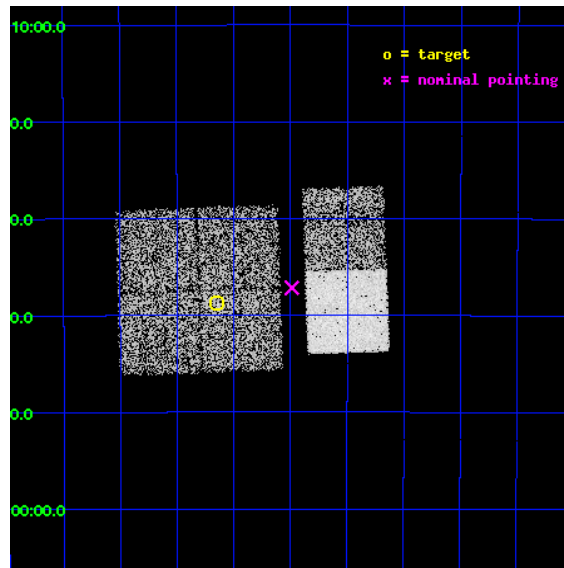
L2 Processing Date : Apr 16 2012

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# 1 Front

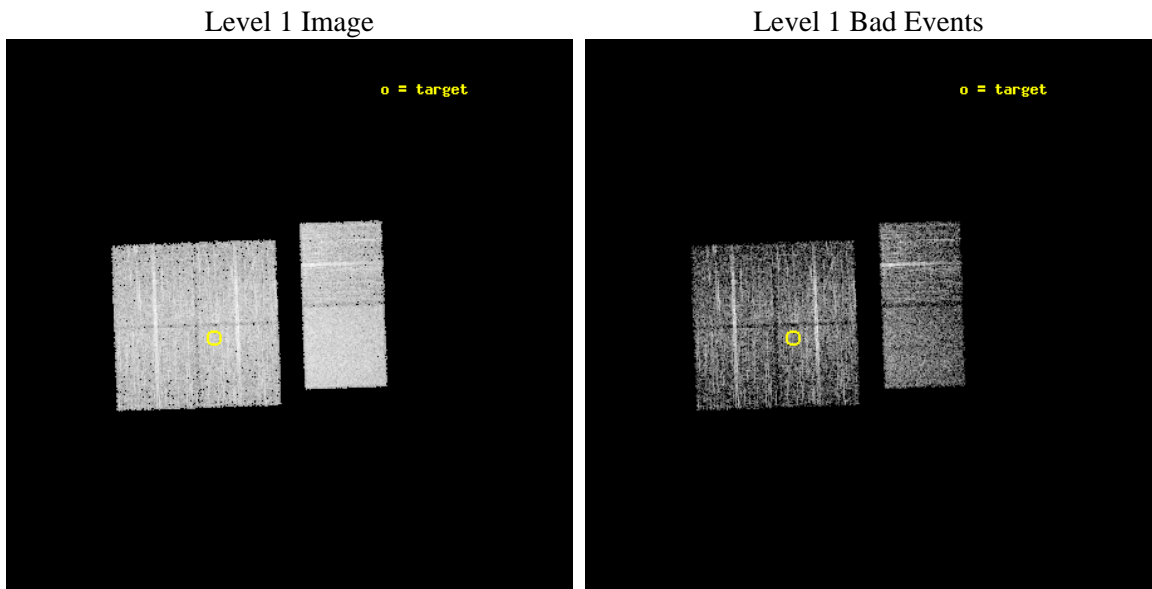
seq_num	701393	Sequence number
obs_id	7725	Observation id
title	Search for strongly obscured AGN: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	IGR J14561-3738	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	224.037083	Observer's specified target RA [deg]
dec_targ	-37.645	Observer's specified target Dec [deg]
ra_nom	223.87177868847	Nominal RA [deg]
dec_nom	-37.619461741338	Nominal Dec [deg]
roll_nom	88.006502039861	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3528.844573319	Sum of GTIs [s]
livetime	3484.1602185165	Livetime [s]
ontime0	3528.9676933289	Sum of GTIs [s]
ontime1	3528.7624933124	Sum of GTIs [s]
ontime2	3528.8035333157	Sum of GTIs [s]
ontime3	3528.844573319	Sum of GTIs [s]
ontime6	3528.8856133223	Sum of GTIs [s]
ontime7	3528.9266533256	Sum of GTIs [s]
l2events	35923	Number of level 2 events



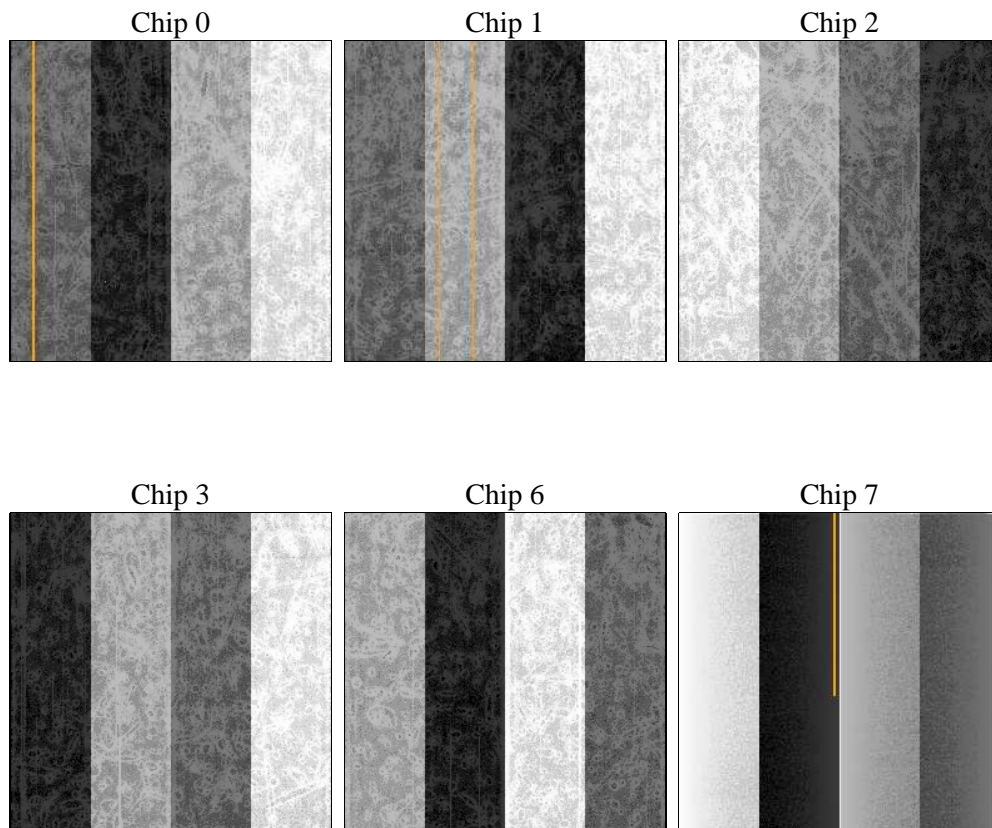
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	3528.844573319	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	3528.9676933289	Sum of GTIs [s]
date	2012-04-16T13:34:14	Date and time of file creation	ontime1	3528.7624933124	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3528.8035333157	Sum of GTIs [s]
			ontime3	3528.844573319	Sum of GTIs [s]
			ontime6	3528.8856133223	Sum of GTIs [s]
			ontime7	3528.9266533256	Sum of GTIs [s]
			l1events	194599	Number of level 1 events

### 2.1.4 Events

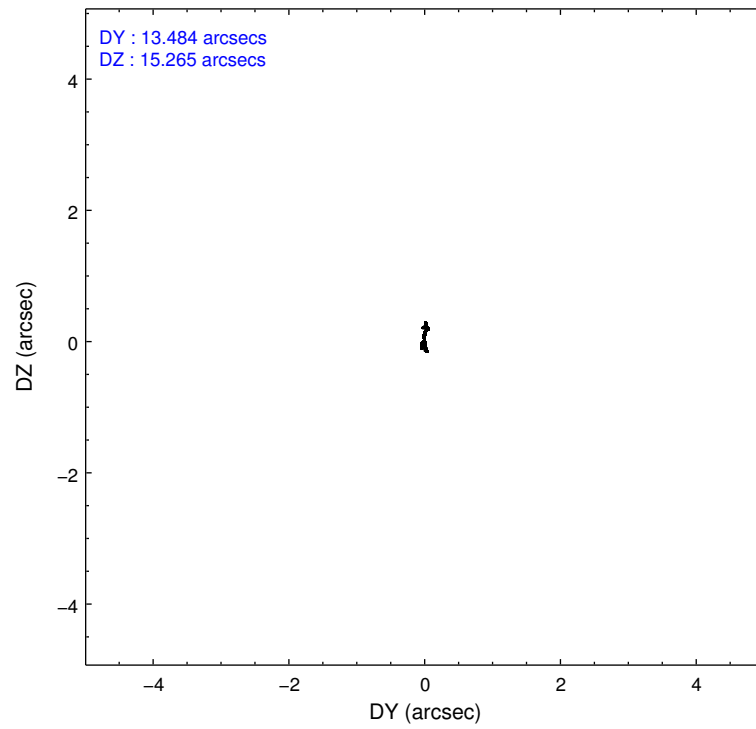
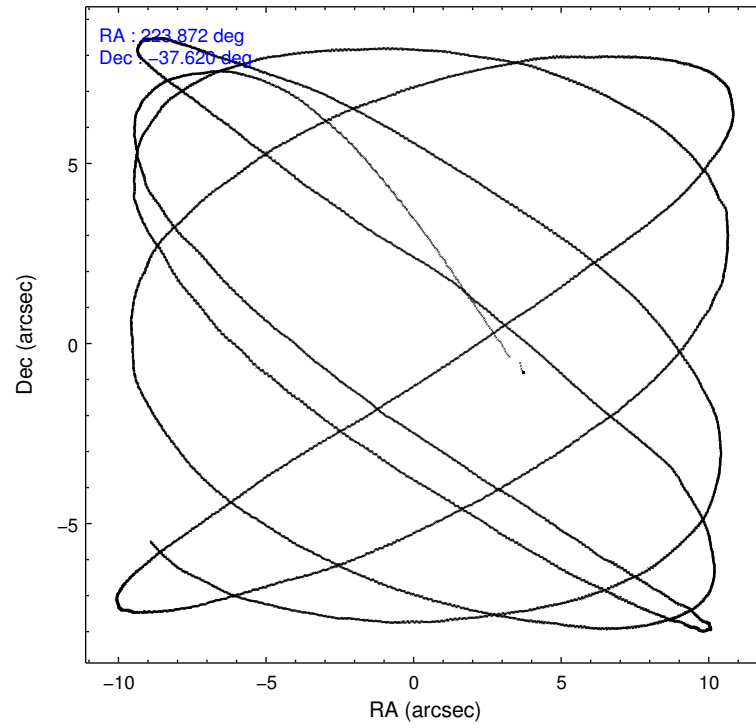
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	29267	29291	31090	29990	31367	43594	grade 0 events	1833	1716	1952	1902	1854	1738
rejected events	25157	25080	27076	25900	27122	25201		6%	5%	6%	6%	5%	3%
rejected %	85%	85%	87%	86%	86%	57%	grade 1 events	19	20	19	20	22	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	868	894	781	794	862	3731
								2%	3%	2%	2%	2%	8%
							grade 3 events	382	383	350	345	376	1530
								1%	1%	1%	1%	1%	3%
							grade 4 events	348	380	290	388	359	1575
								1%	1%	0%	1%	1%	3%
							grade 5 events	1301	1293	1227	1438	1489	4130
								4%	4%	3%	4%	4%	9%
							grade 6 events	679	848	647	665	799	9838
								2%	2%	2%	2%	2%	22%
							grade 7 events	23837	23757	25824	24438	25606	21008
								81%	81%	83%	81%	81%	48%

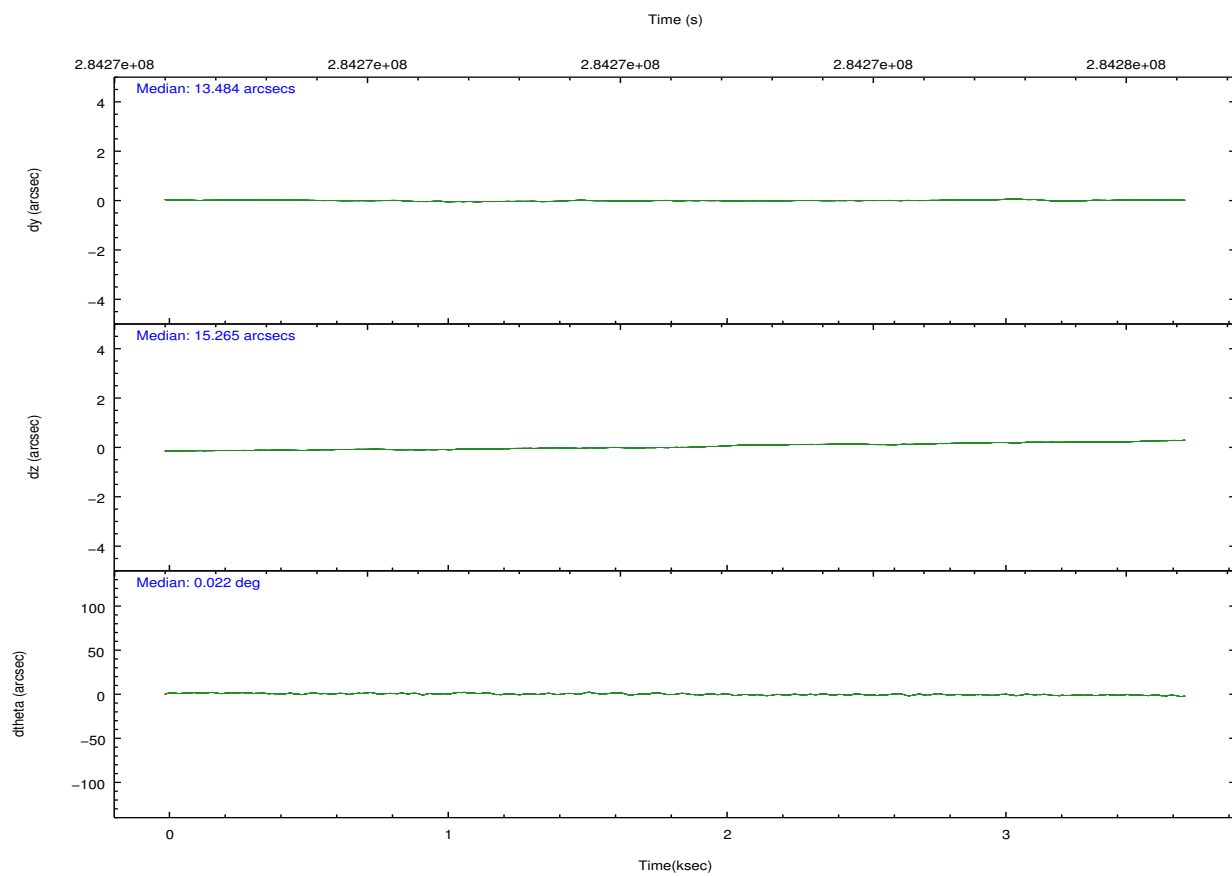
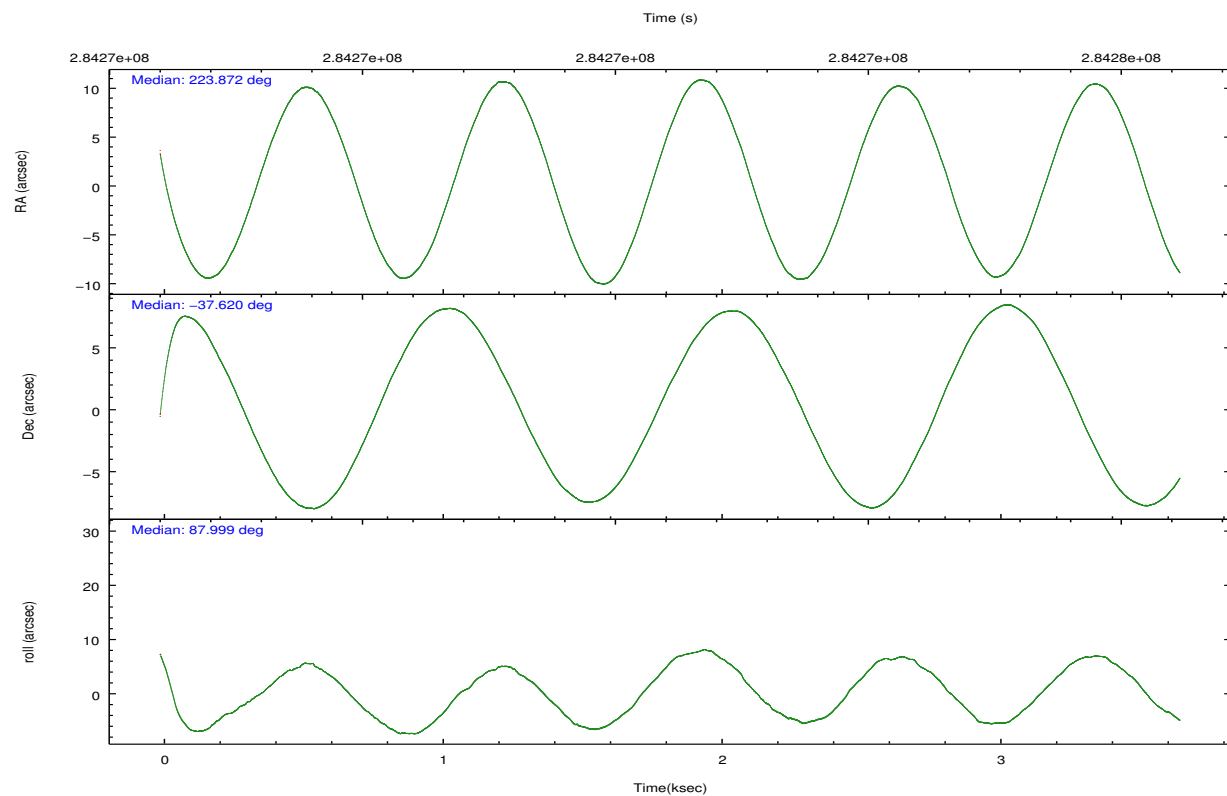


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	223.888456	223.8717786884688	Subarray requested	NONE	NONE
[deg] Pointing Dec	-37.643361	-37.619461741338	Alternating exposures requested	N	N
[deg] Pointing Roll	87.860043	88.00650203986092	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.09952569084879603			
[mm] SIM translation stage pos	-207.132523	-207.1368374884175			
[mm] SIM translation stage offset	17	-26.4556155145122			
[s] Observation start time (MET)	284271535.184000	284270528.73056			
Observation start date	2007-01-04T04:17:50	2007-01-04T04:02:08			
[s] Observation end time (MET)	284275035.184000	284275902.29332			
Observation end date	2007-01-04T05:16:10	2007-01-04T05:31:42			
Read mode	TIMED	TIMED			

## 2.3 Aspect



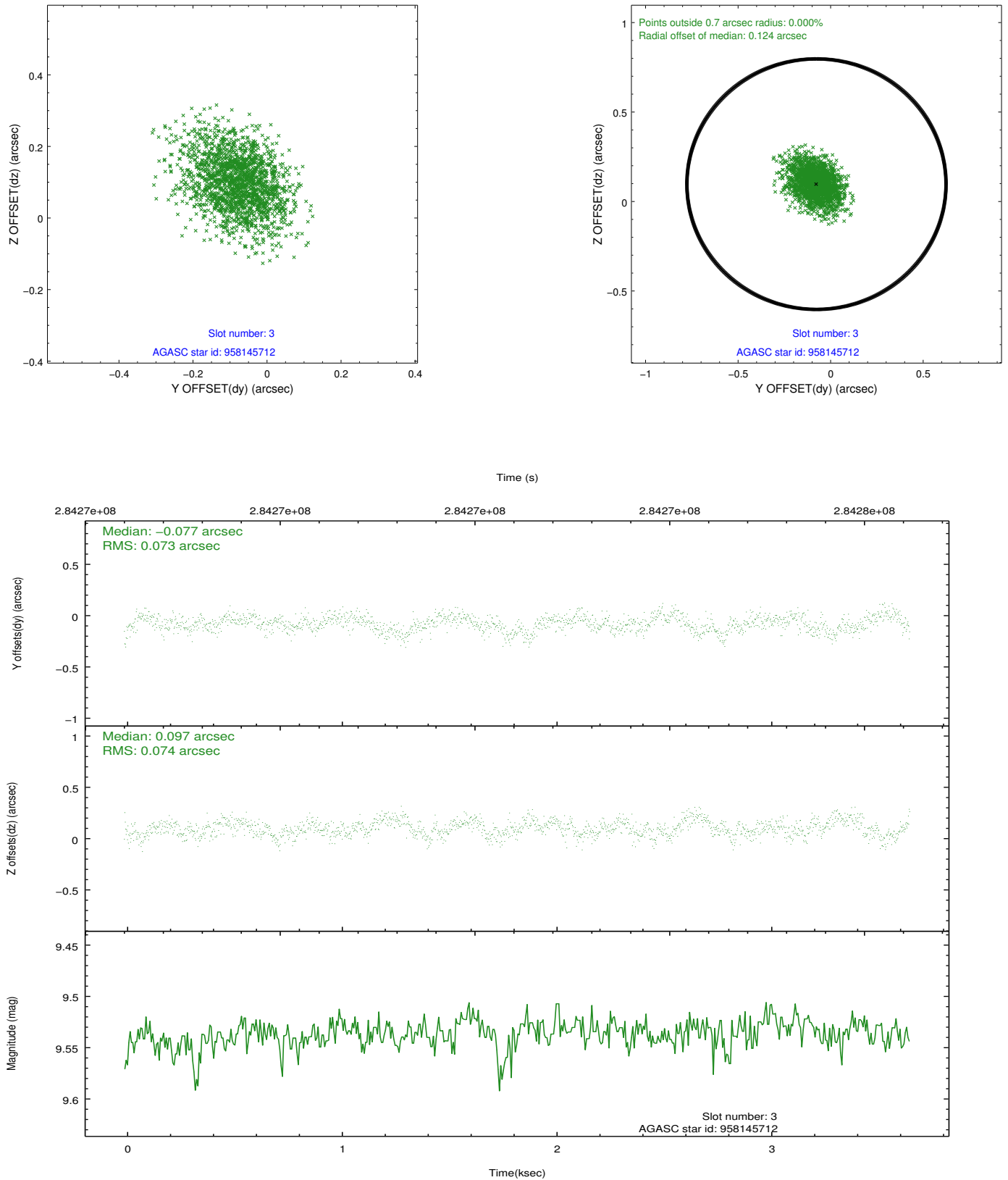


### Slot Statistics

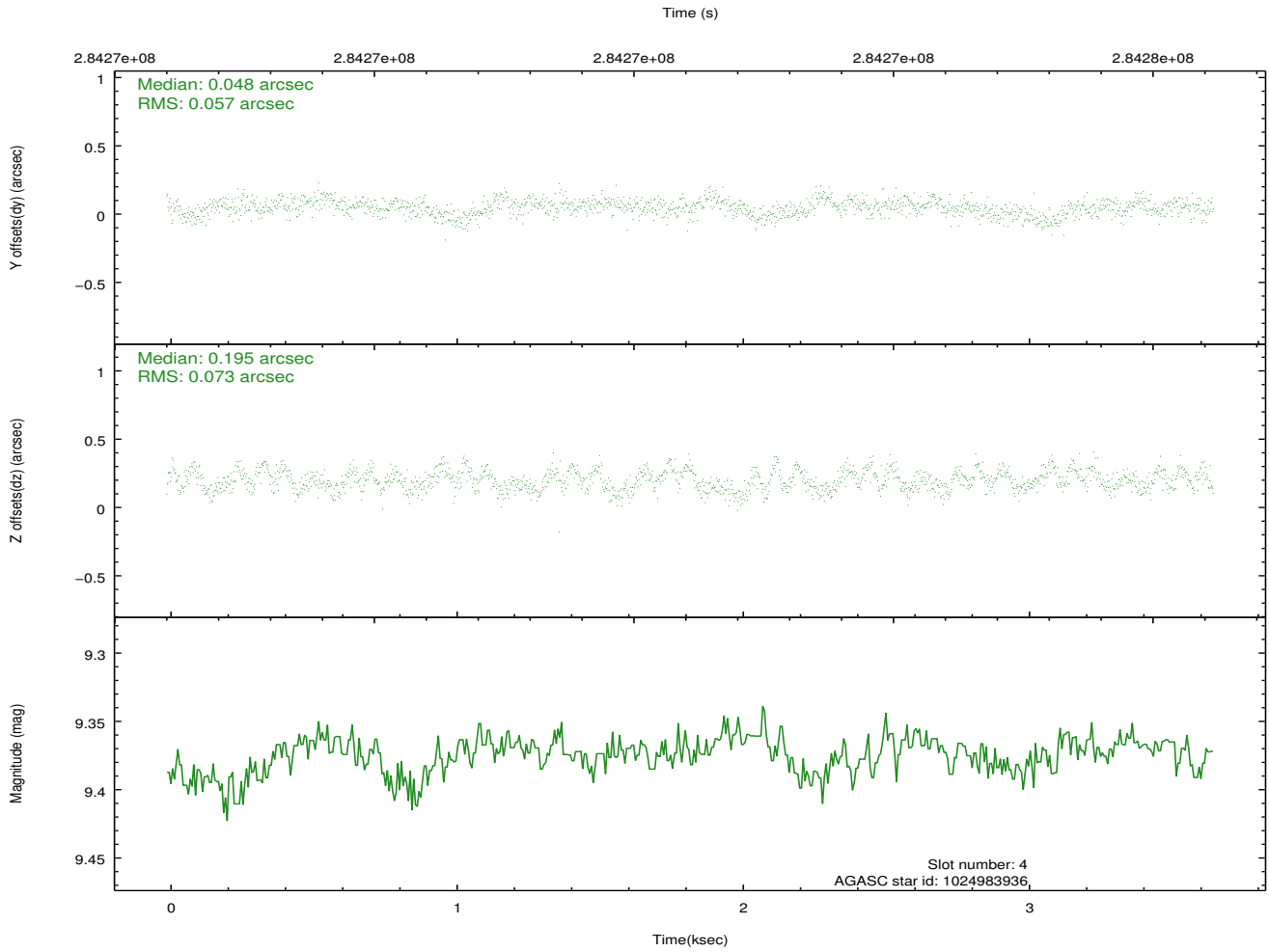
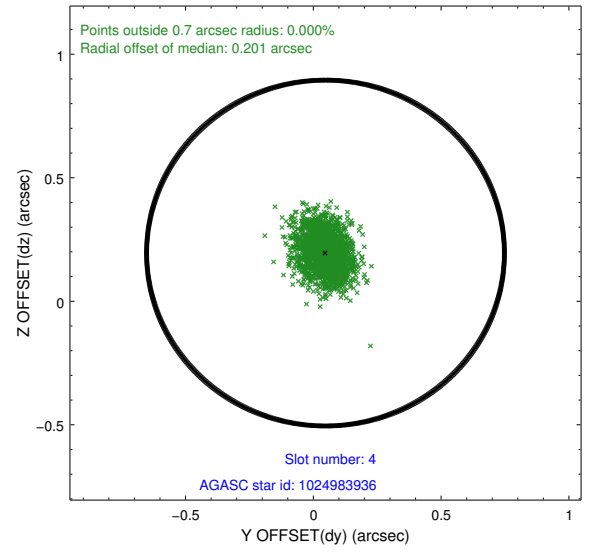
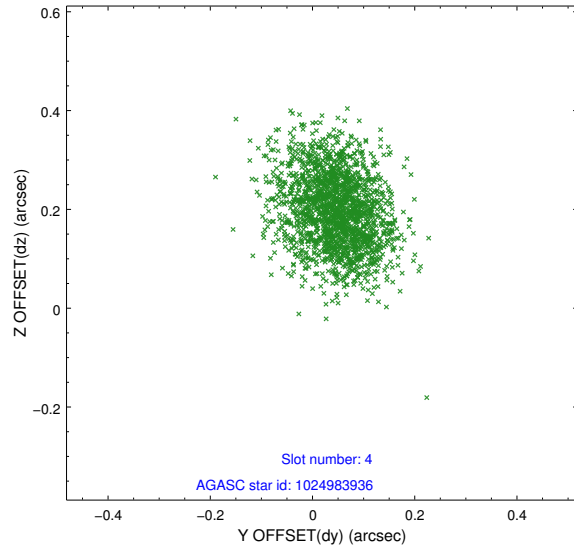
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	893	-0.226	-0.347	0.008	0.011	0.000000	0.000000	-767.79	-1386.39
1	FID	ACIS-I-4	7.22	893	0.000	0.200	0.006	0.011	0.000000	0.000000	2145.12	519.79
2	FID	ACIS-I-5	7.20	892	0.196	0.157	0.008	0.014	0.000000	0.000000	-1818.58	516.22
3	GUIDE	958145712	9.54	1782	-0.077	0.097	0.110	0.181	224.347480	-37.373045	1018.78	-1276.09
4	GUIDE	1024983936	9.37	1784	0.048	0.195	0.100	0.158	224.285289	-37.712511	-207.76	-1139.26
5	GUIDE	1024985160	9.31	1785	-0.083	-0.058	0.098	0.154	223.239522	-37.568175	194.94	1859.62
6	GUIDE	1025008952	7.03	1785	0.113	-0.123	0.067	0.109	223.277585	-38.256999	-2277.46	1643.83
7	GUIDE	958139376	9.98	1781	0.009	-0.111	0.155	0.233	223.149990	-37.034419	2102.05	2203.46

## 2.4 Star Slots

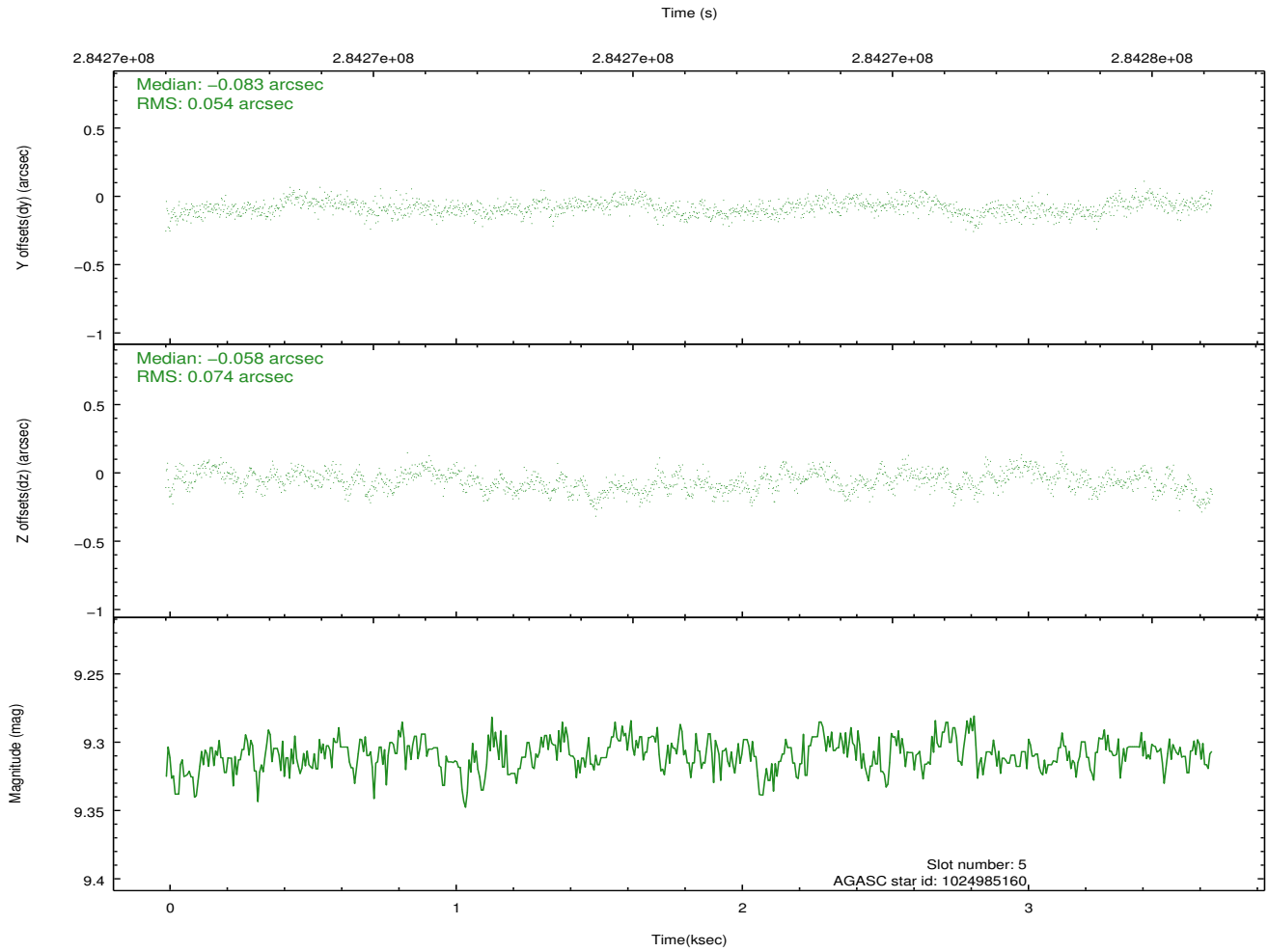
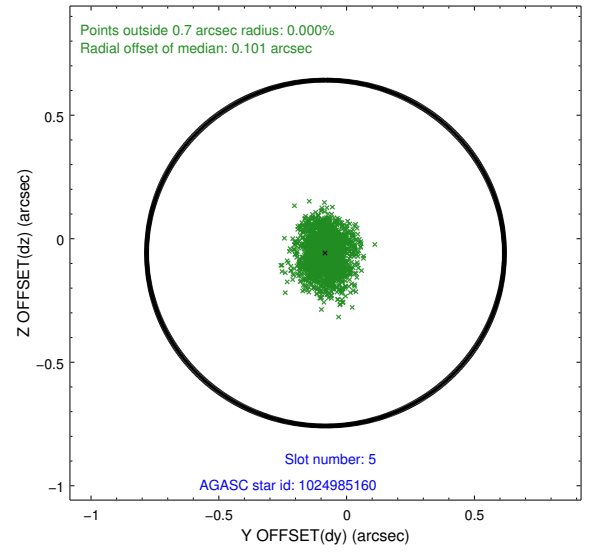
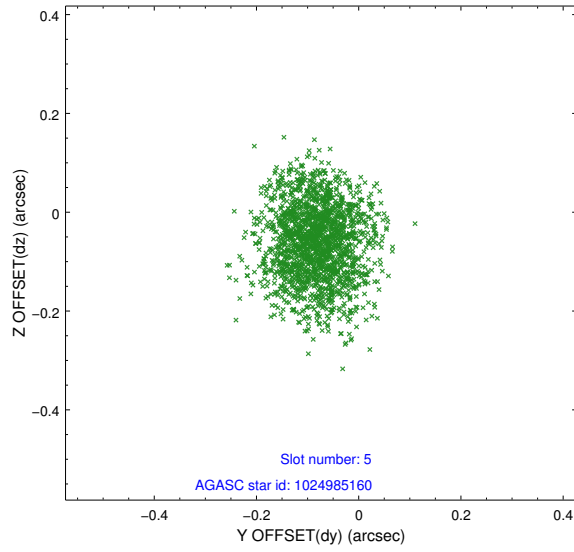
### 2.4.1 Slot 3



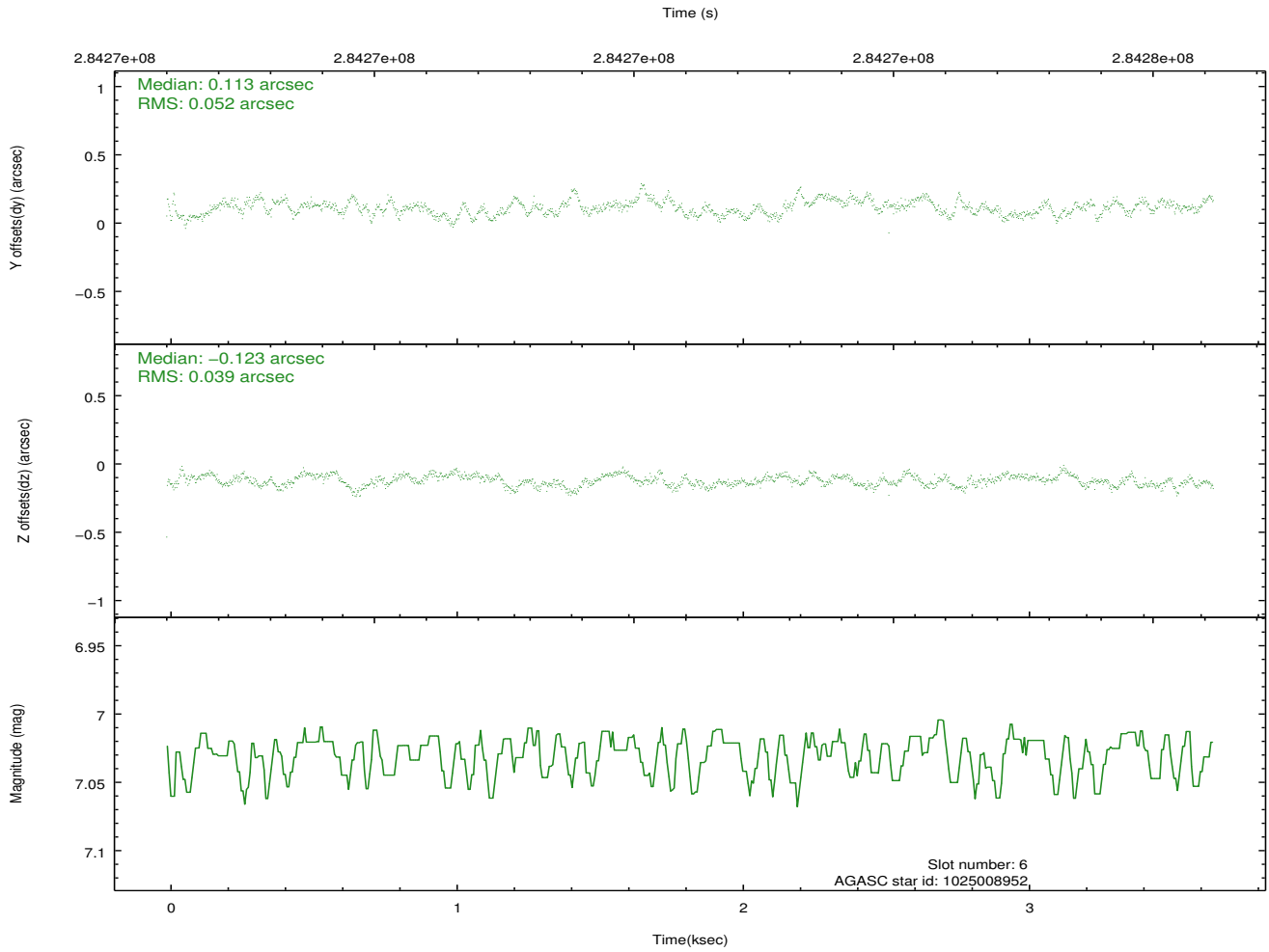
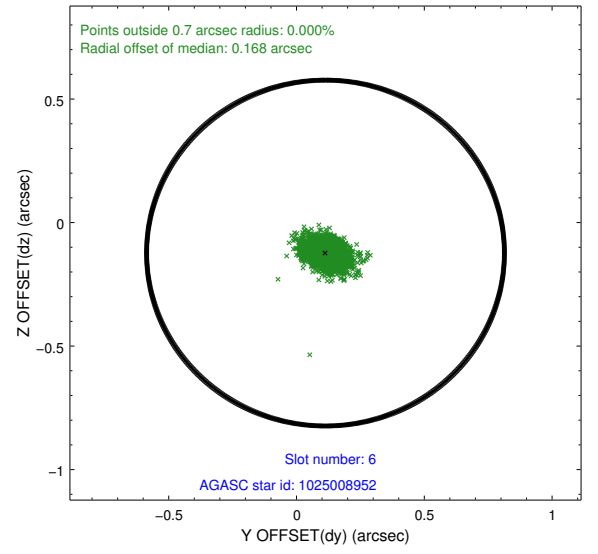
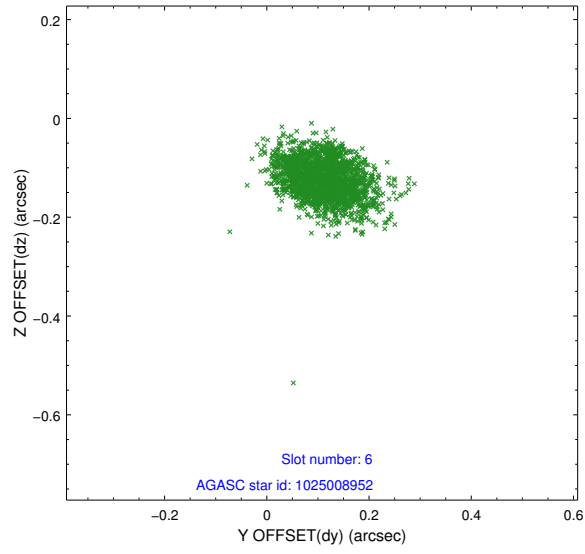
## 2.4.2 Slot 4



### 2.4.3 Slot 5

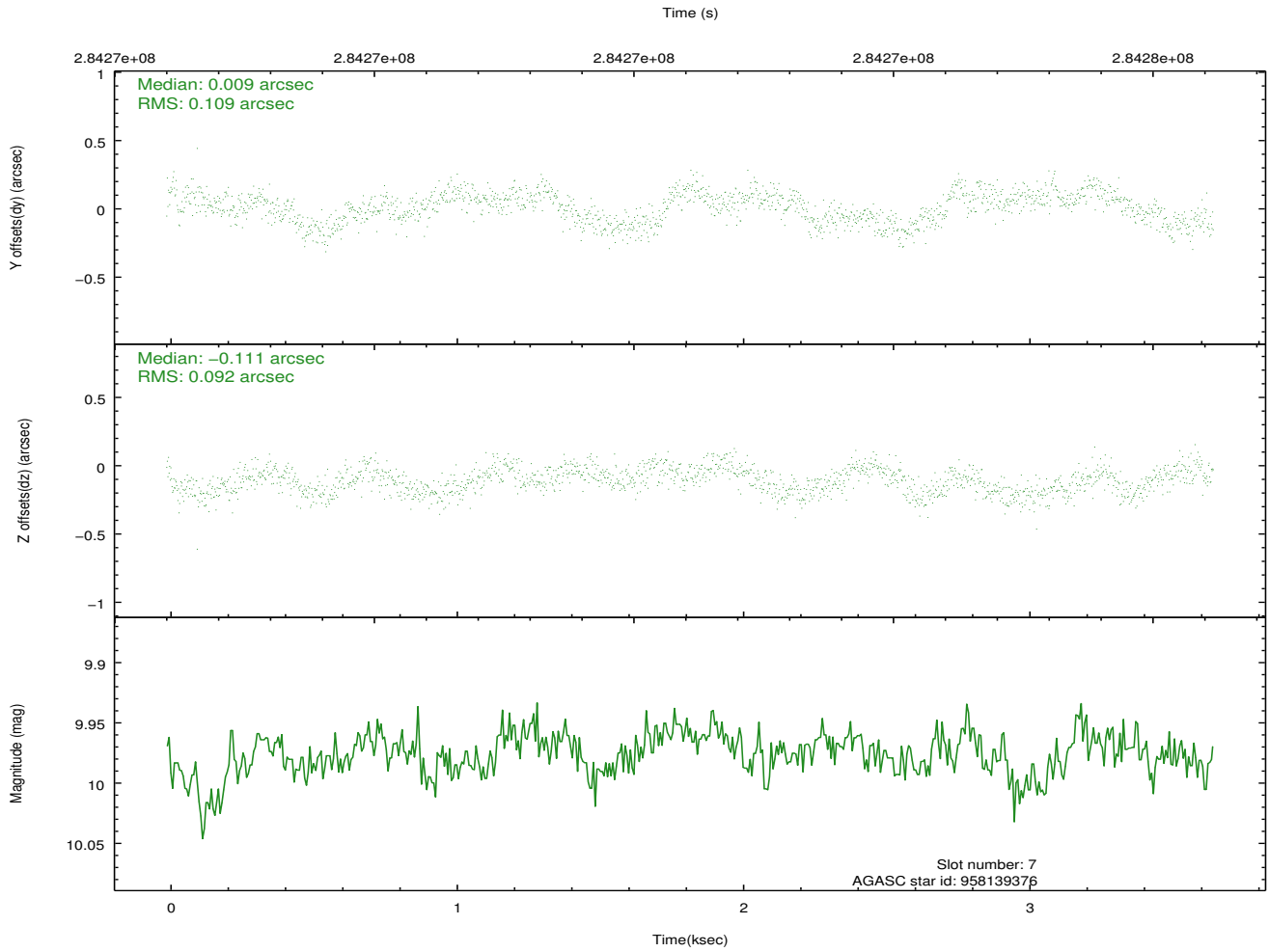
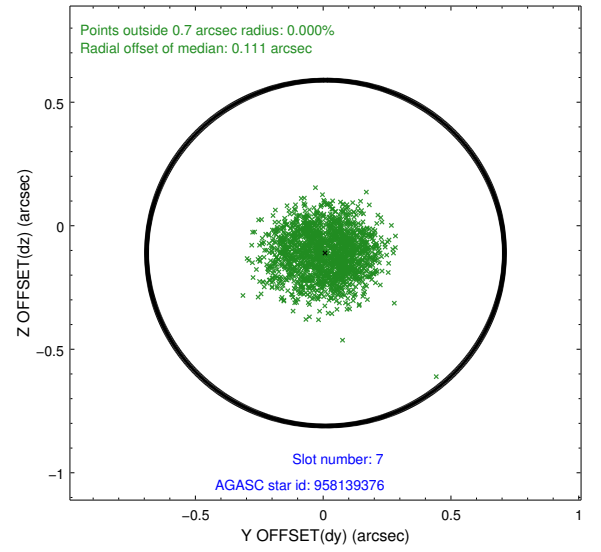
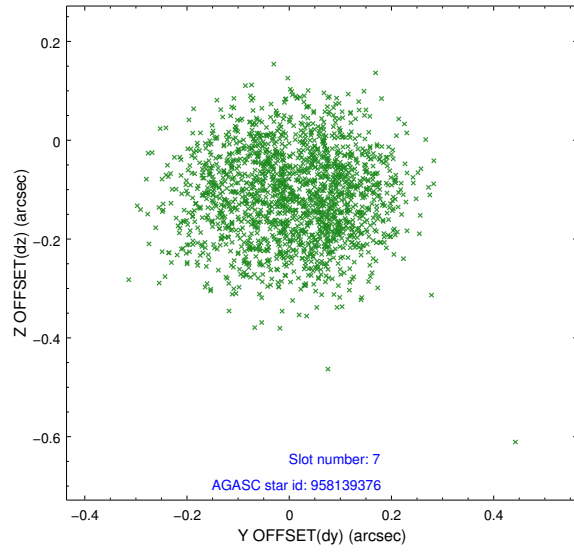


## 2.4.4 Slot 6



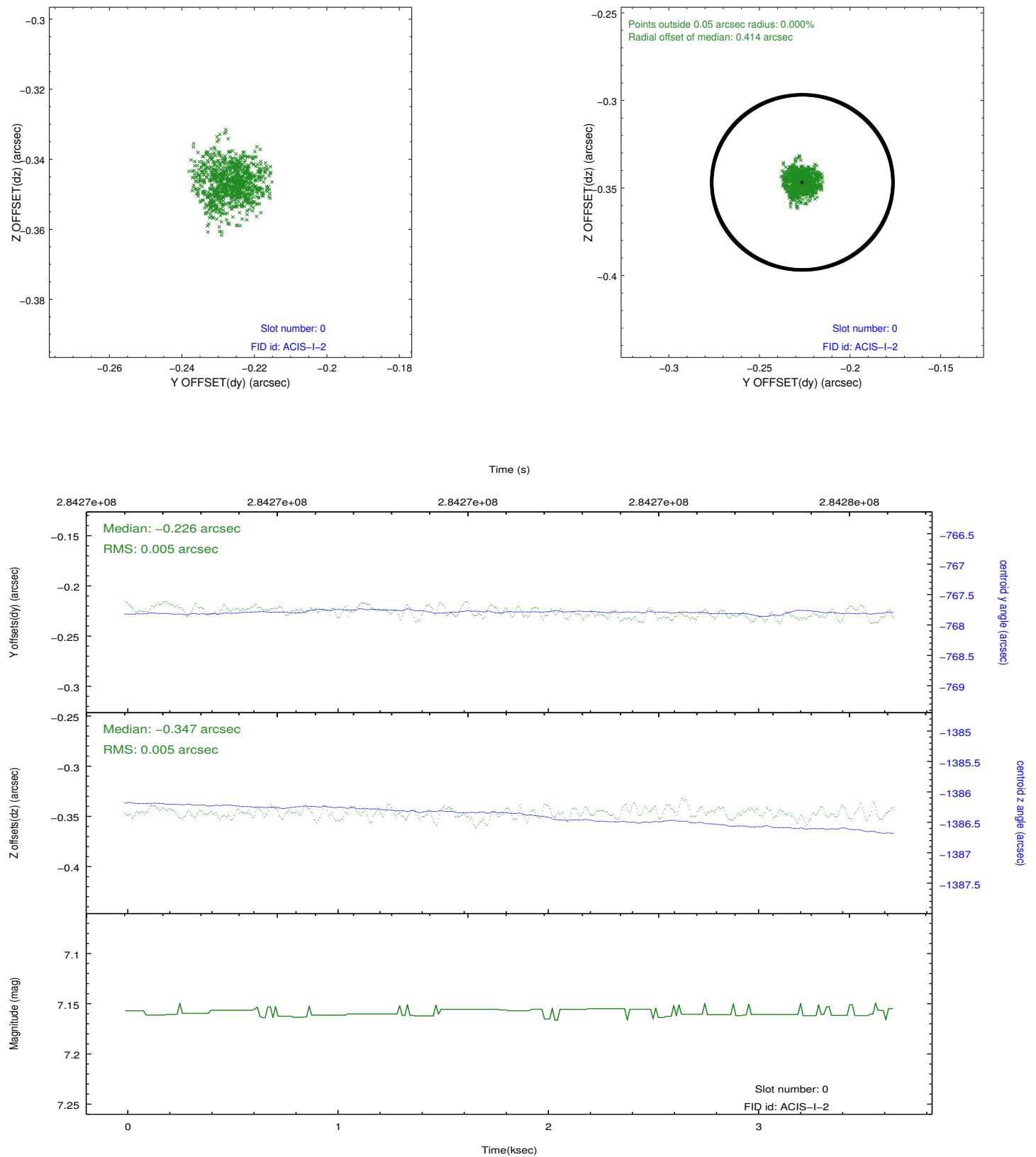


## 2.4.5 Slot 7

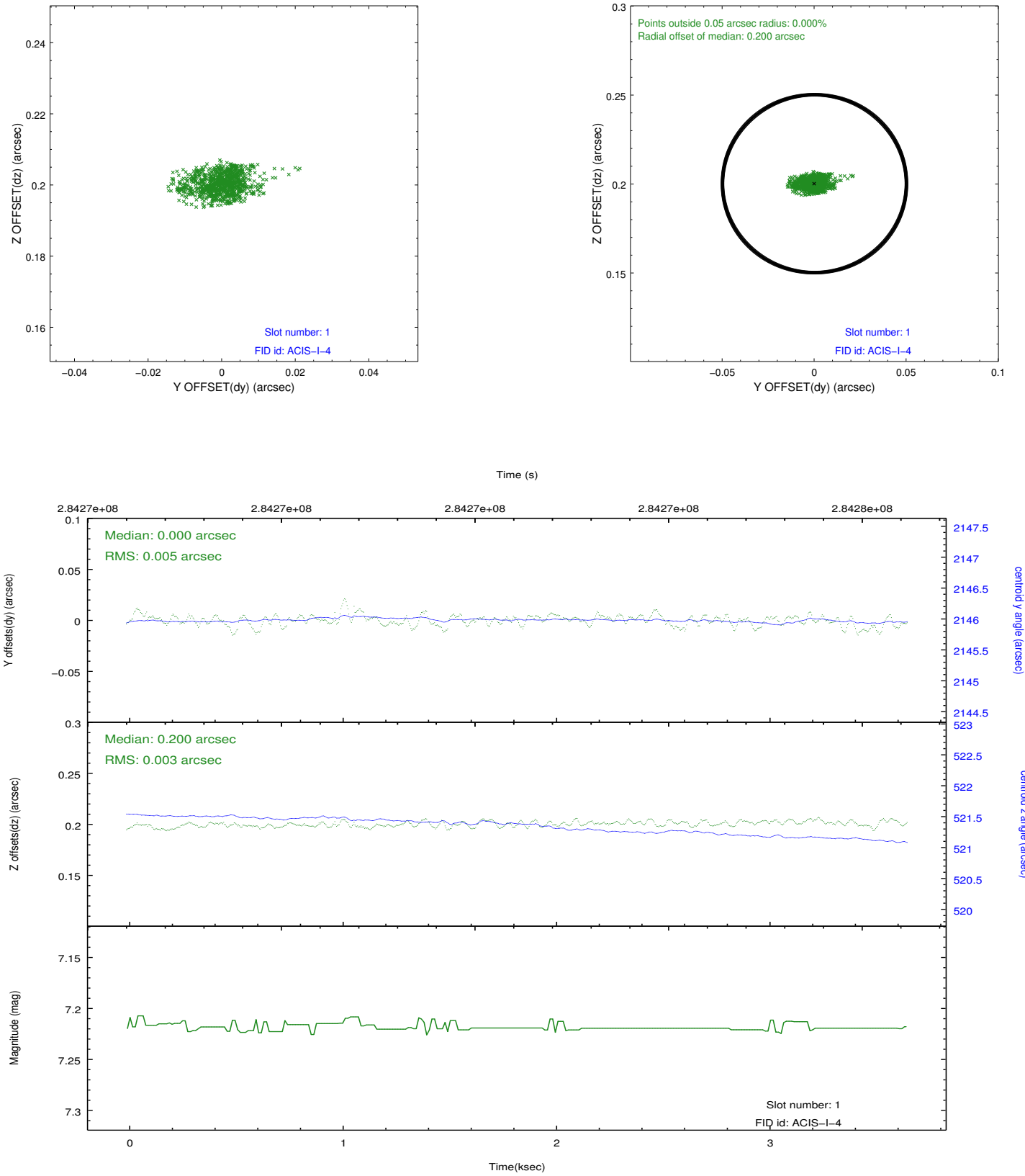


## 2.5 FID Slots

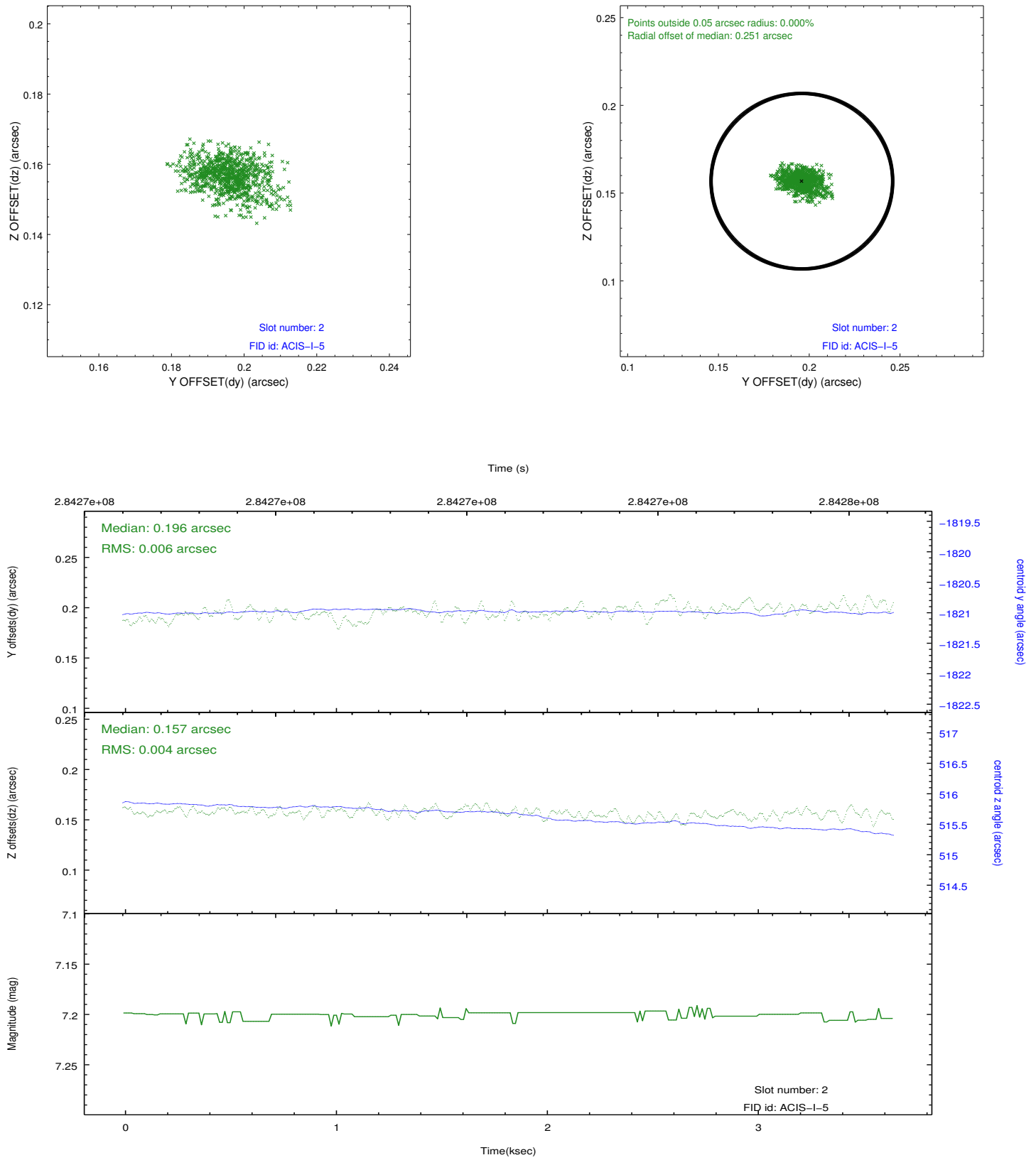
### 2.5.1 Slot 0



## 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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.52959998

## A.2 Comments

This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.