

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10517 - L2 Version 2  
Chandra X-Ray Center

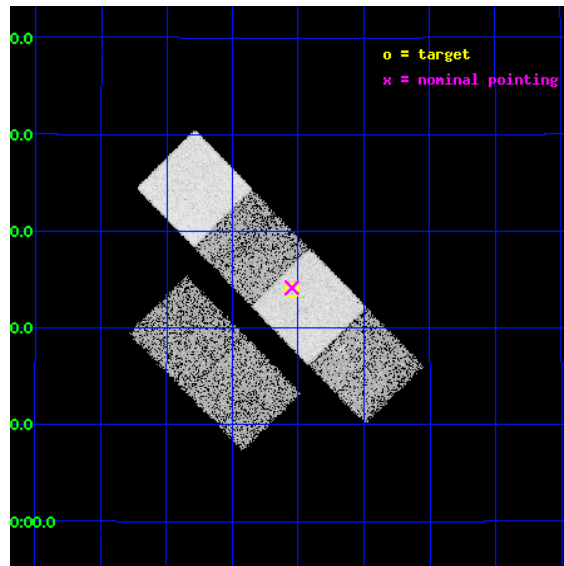
L2 Processing Date : May 30 2012

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# 1 Front

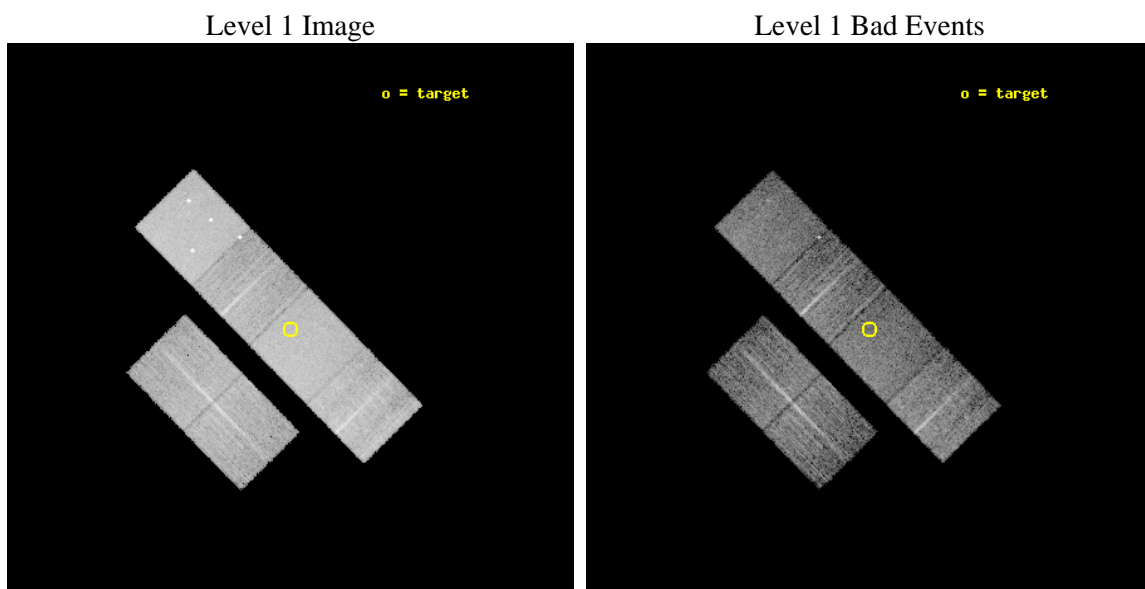
seq_num	900885	Sequence number
obs_id	10517	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J194332+2323	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	295.885833	Observer's specified target RA [deg]
dec_targ	23.398	Observer's specified target Dec [deg]
ra_nom	295.88694823299	Nominal RA [deg]
dec_nom	23.402666732642	Nominal Dec [deg]
roll_nom	45.56122267213	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5954.9045361876	Sum of GTIs [s]
livetime	5879.4999493374	Livetime [s]
ontime2	5954.945556283	Sum of GTIs [s]
ontime3	5954.7813962698	Sum of GTIs [s]
ontime5	5954.8634762764	Sum of GTIs [s]
ontime6	5954.822456181	Sum of GTIs [s]
ontime7	5954.9045361876	Sum of GTIs [s]
ontime8	5948.2583856583	Sum of GTIs [s]
l2events	103109	Number of level 2 events



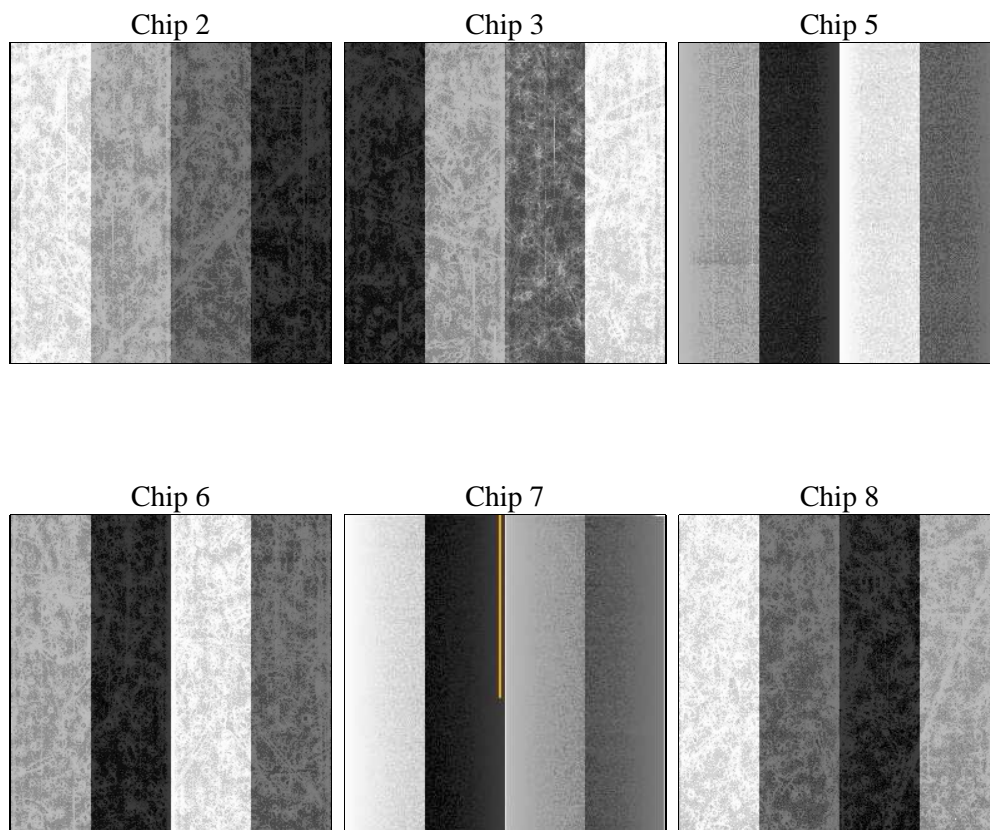
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5954.9045361876	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	5954.945556283	Sum of GTIs [s]
date	2012-05-30T23:47:42	Date and time of file creation	ontime3	5954.7813962698	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5954.8634762764	Sum of GTIs [s]
			ontime6	5954.822456181	Sum of GTIs [s]
			ontime7	5954.9045361876	Sum of GTIs [s]
			ontime8	5948.2583856583	Sum of GTIs [s]
			l1events	442847	Number of level 1 events

### 2.1.4 Events

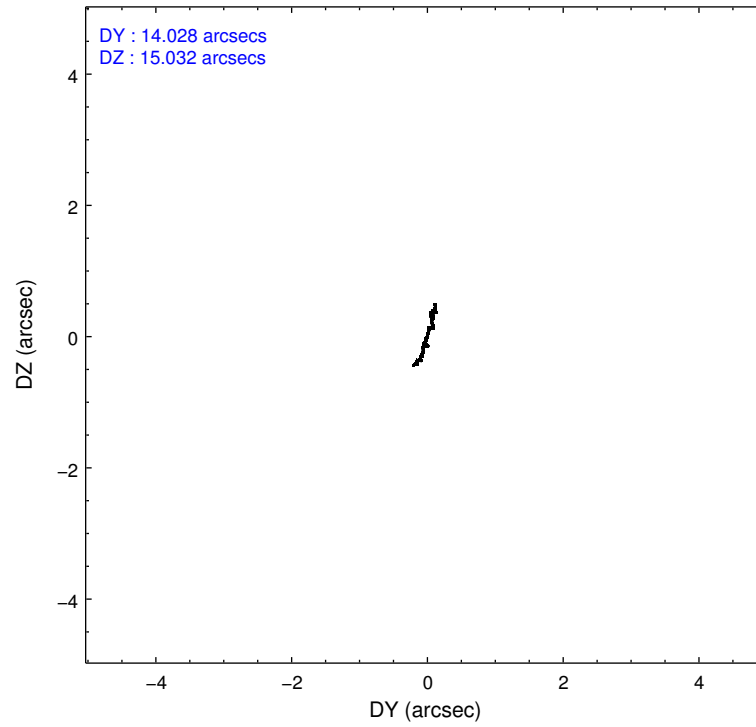
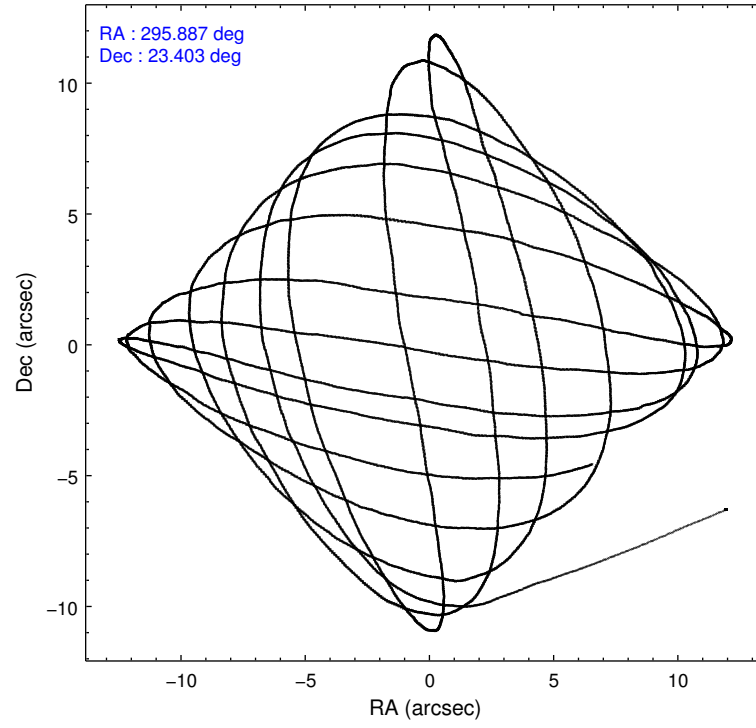
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	60663	58585	96115	60726	85450	81308	grade 0 events	3165	3027	5208	3036	3149	6361
rejected events	53223	51414	50918	53099	49686	62039		5%	5%	5%	4%	3%	7%
rejected %	87%	87%	52%	87%	58%	76%	grade 1 events	45	27	431	34	111	87
								0%	0%	0%	0%	0%	0%
							grade 2 events	1622	1505	13756	1686	7234	4232
								2%	2%	14%	2%	8%	5%
							grade 3 events	689	650	1541	654	3032	1996
								1%	1%	1%	1%	3%	2%
							grade 4 events	664	700	1567	699	2974	1941
								1%	1%	1%	1%	3%	2%
							grade 5 events	2582	2838	6764	2850	7853	3833
								4%	4%	7%	4%	9%	4%
							grade 6 events	1308	1296	23166	1558	19415	4745
								2%	2%	24%	2%	22%	5%
							grade 7 events	50588	48542	43682	50209	41682	58113
								83%	82%	45%	82%	48%	71%

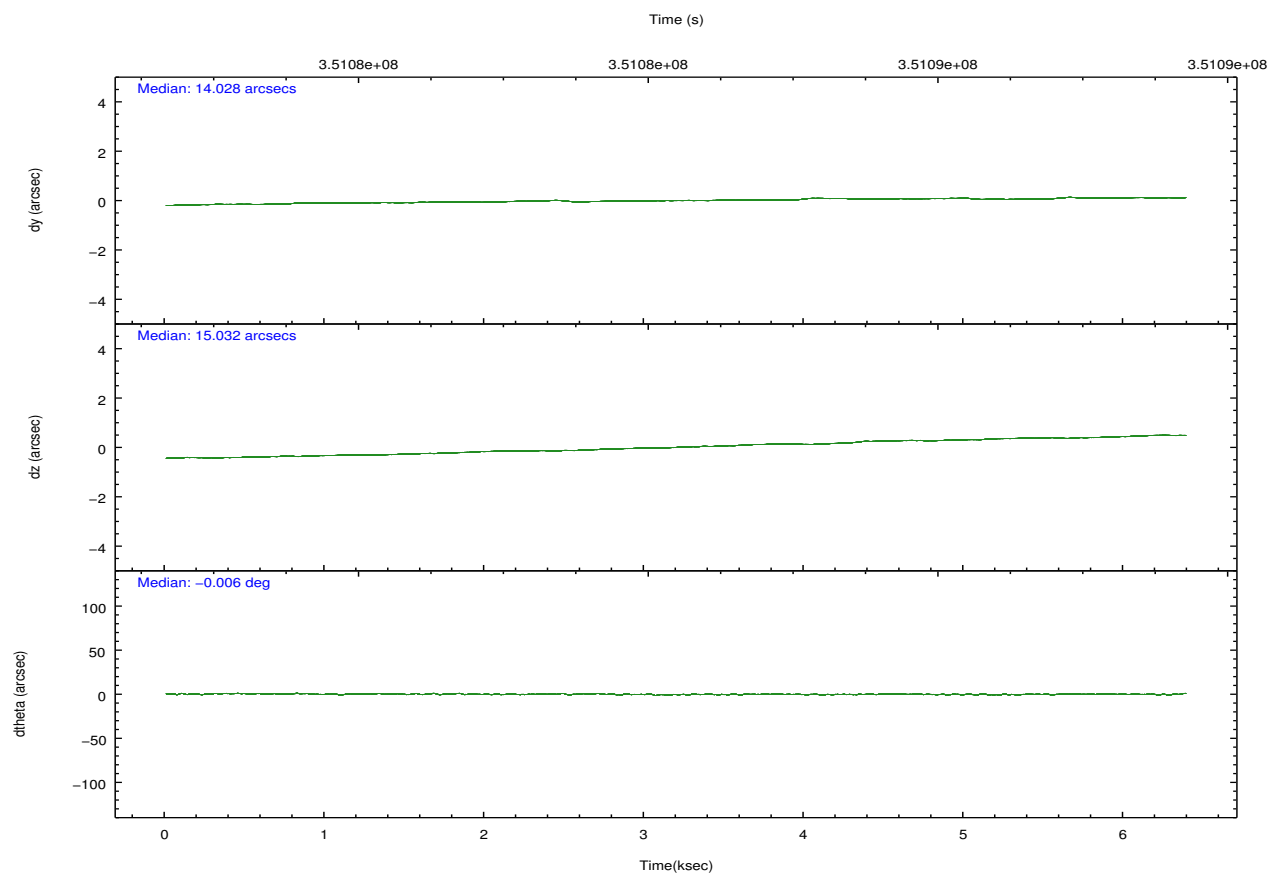
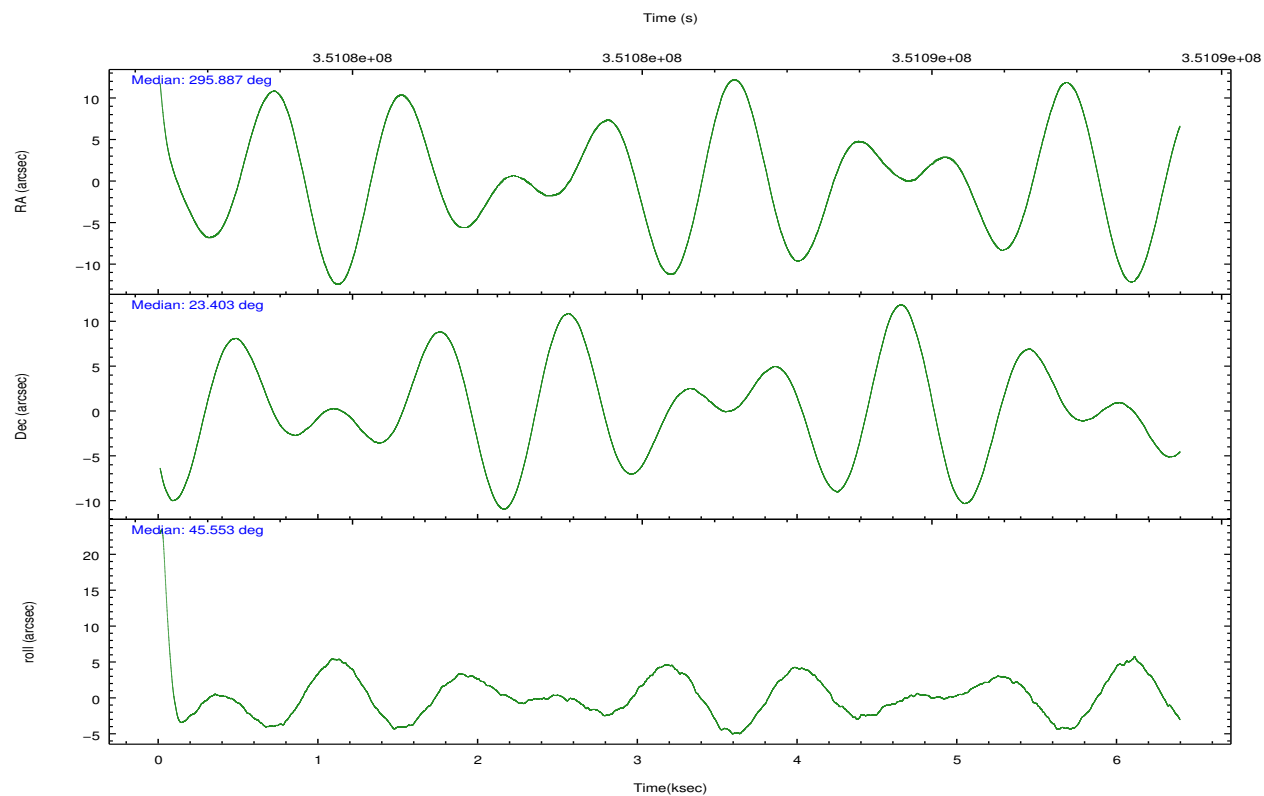


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	295.879964	295.8869482329949	CCD I2 on	O2	Y
[deg] Pointing Dec	23.376162	23.40266673264243	CCD I3 on	O3	Y
[deg] Pointing Roll	45.407308	45.56122267213003	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	351081189.184000	351080306.95456	CCD S5 on	N	N
Observation start date	2009-02-15T10:32:03	2009-02-15T10:18:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	351087389.184000	351088096.95495	On-chip summing requested	N	N
Observation end date	2009-02-15T12:15:23	2009-02-15T12:28:16	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



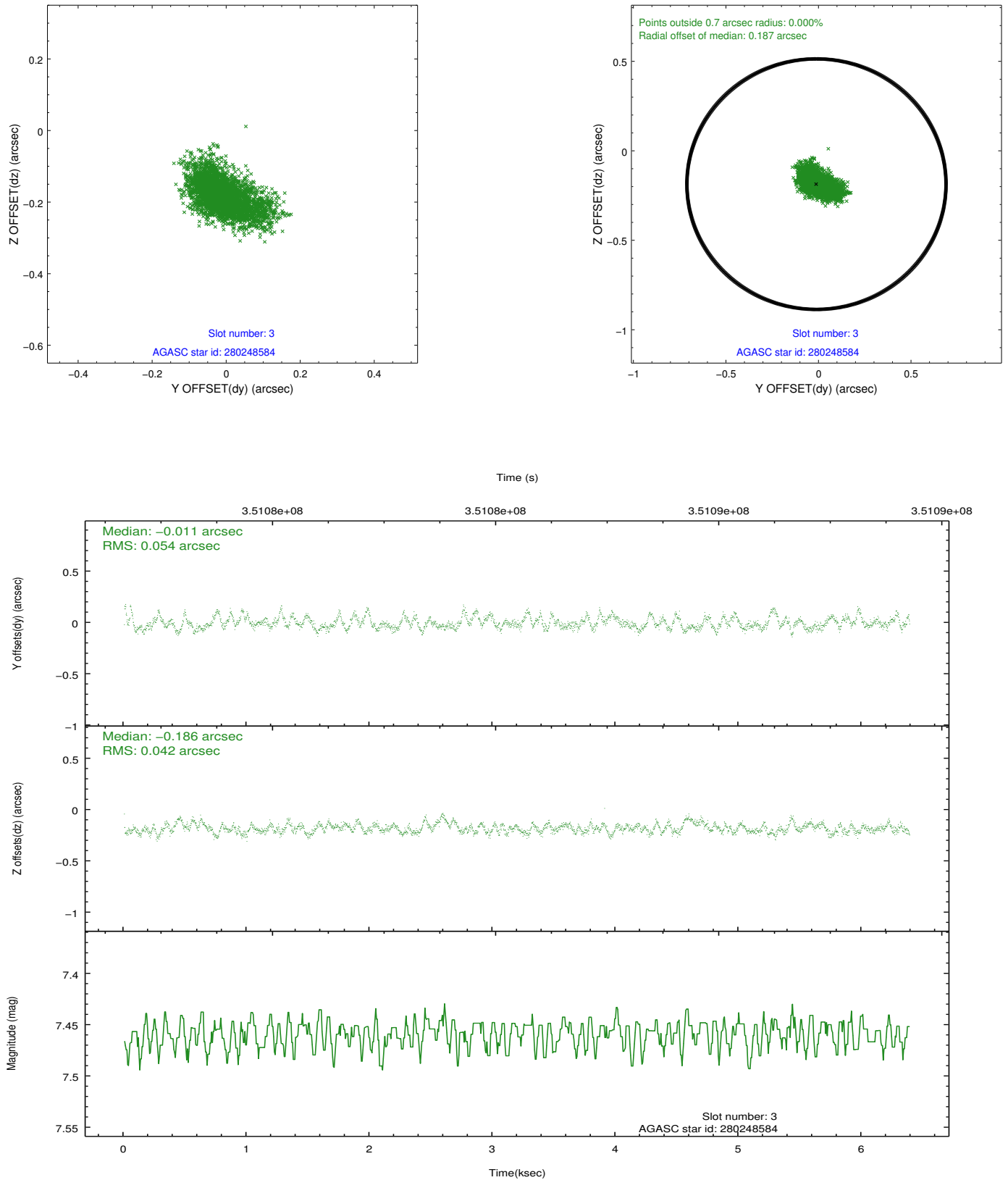


### Slot Statistics

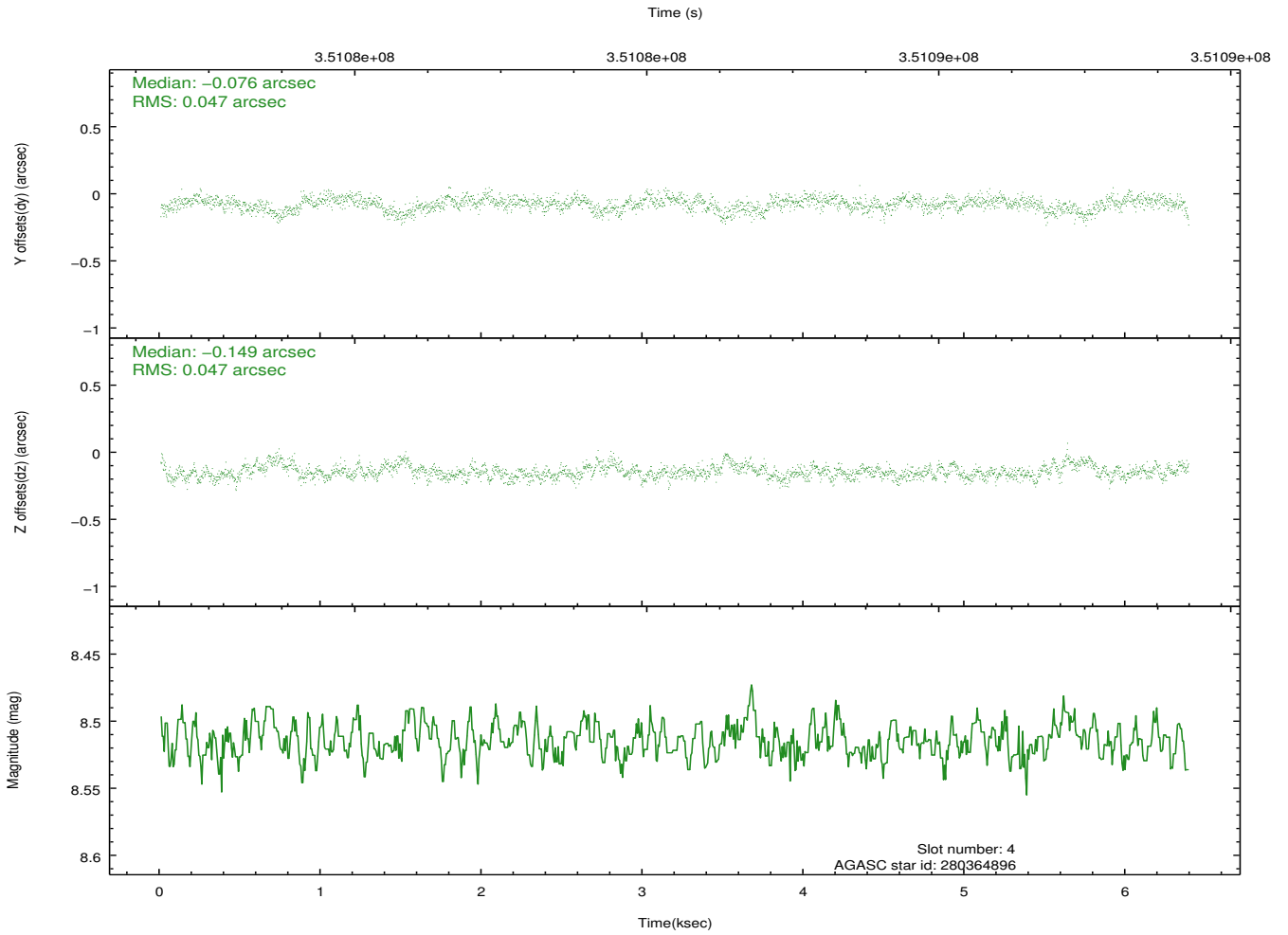
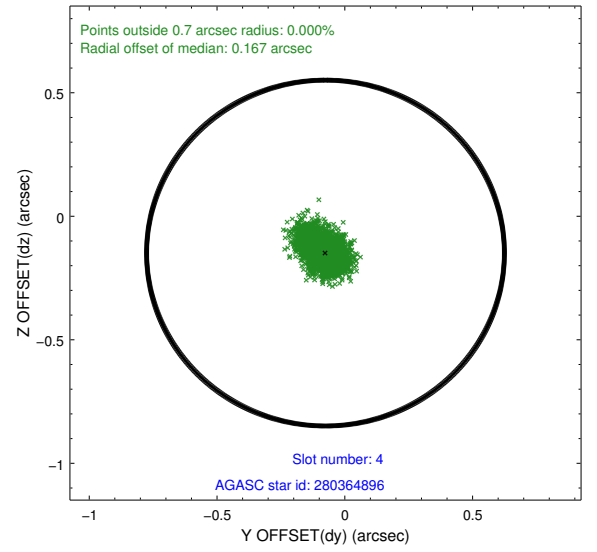
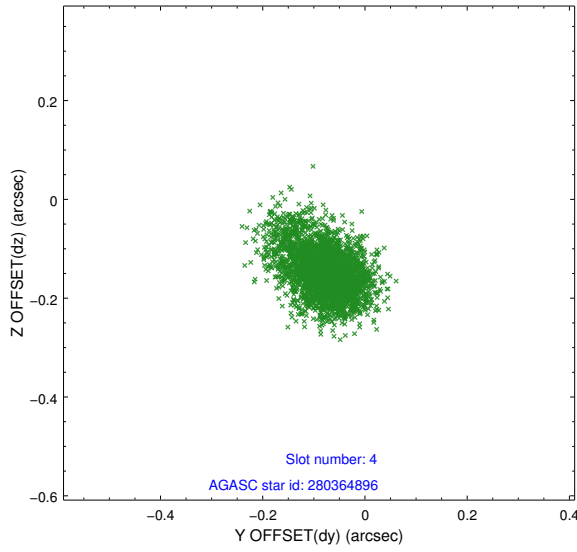
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.00	1558	0.028	-0.017	0.016	0.024	0.000000	0.000000	929.11	-1732.02
1	FID	ACIS-S-4	7.01	1558	0.139	0.003	0.013	0.019	0.000000	0.000000	2147.12	171.23
2	FID	ACIS-S-5	7.03	1558	-0.194	0.027	0.008	0.016	0.000000	0.000000	-1818.82	165.84
3	GUIDE	280248584	7.46	3116	-0.011	-0.186	0.071	0.125	295.098999	23.480132	-1538.41	2103.83
4	GUIDE	280364896	8.51	3114	-0.076	-0.149	0.068	0.120	295.980585	23.675986	1001.83	522.72
5	GUIDE	280374688	8.89	3096	0.060	0.163	0.100	0.163	295.740098	23.192930	-793.59	-133.65
6	GUIDE	280375104	8.97	3115	0.027	0.157	0.076	0.120	295.872441	23.177953	-525.27	-482.95
7	GUIDE	280376200	8.70	3112	-0.010	0.014	0.124	0.193	296.829100	23.404965	2283.37	-2152.65

## 2.4 Star Slots

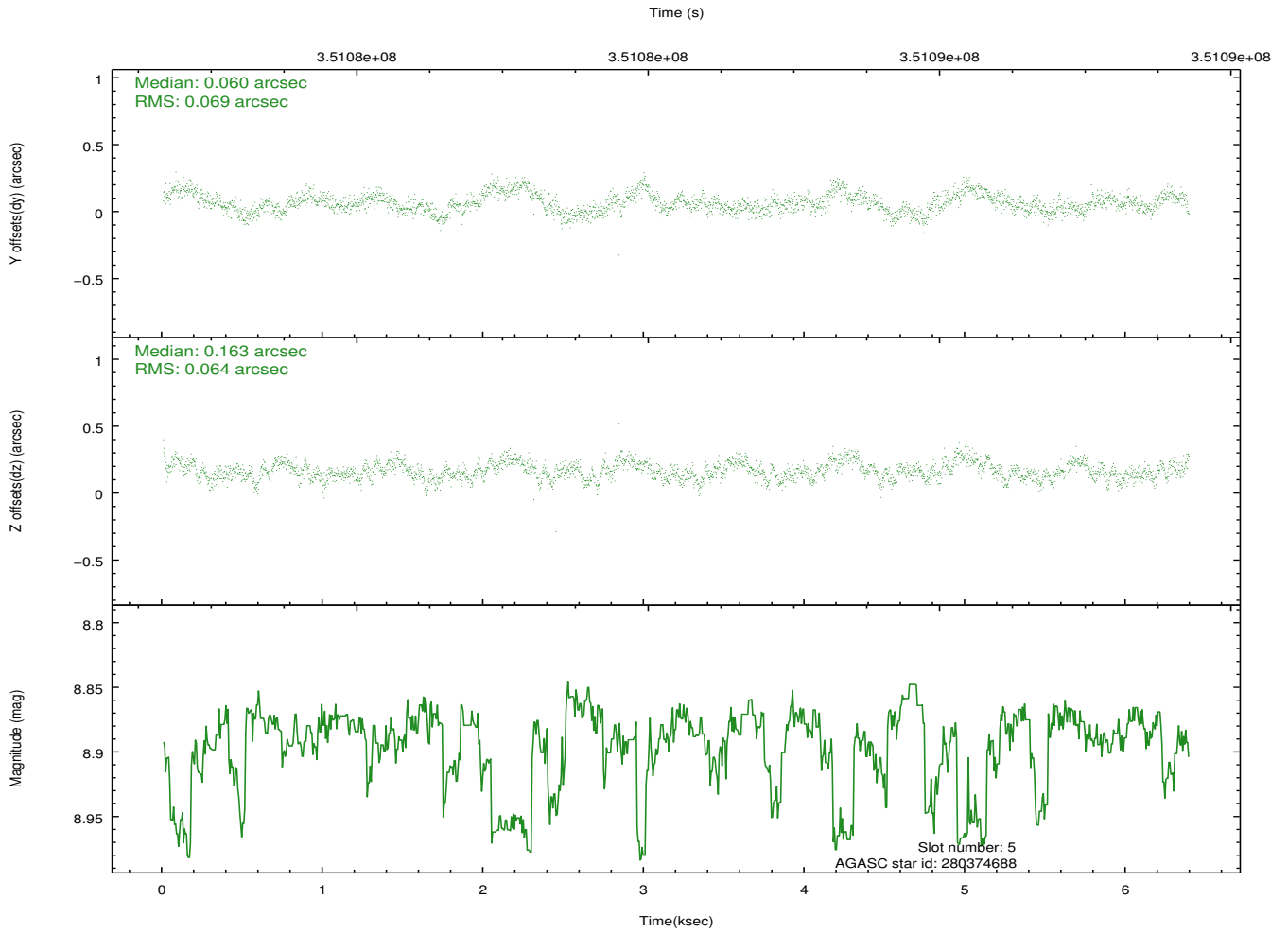
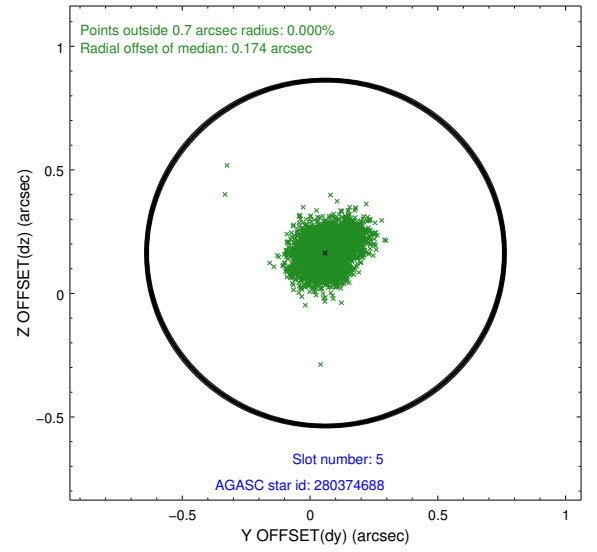
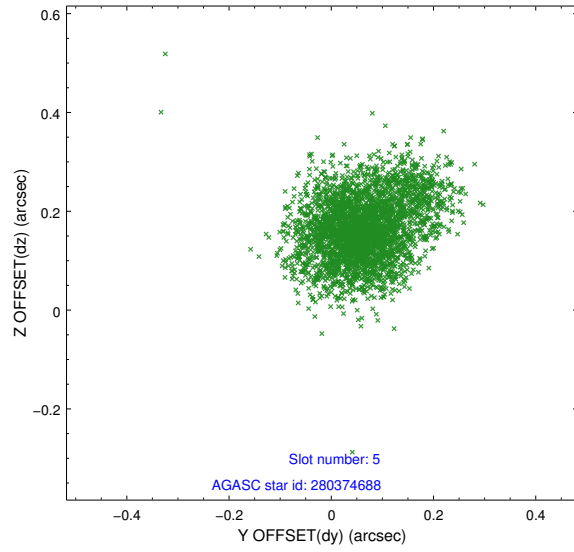
### 2.4.1 Slot 3



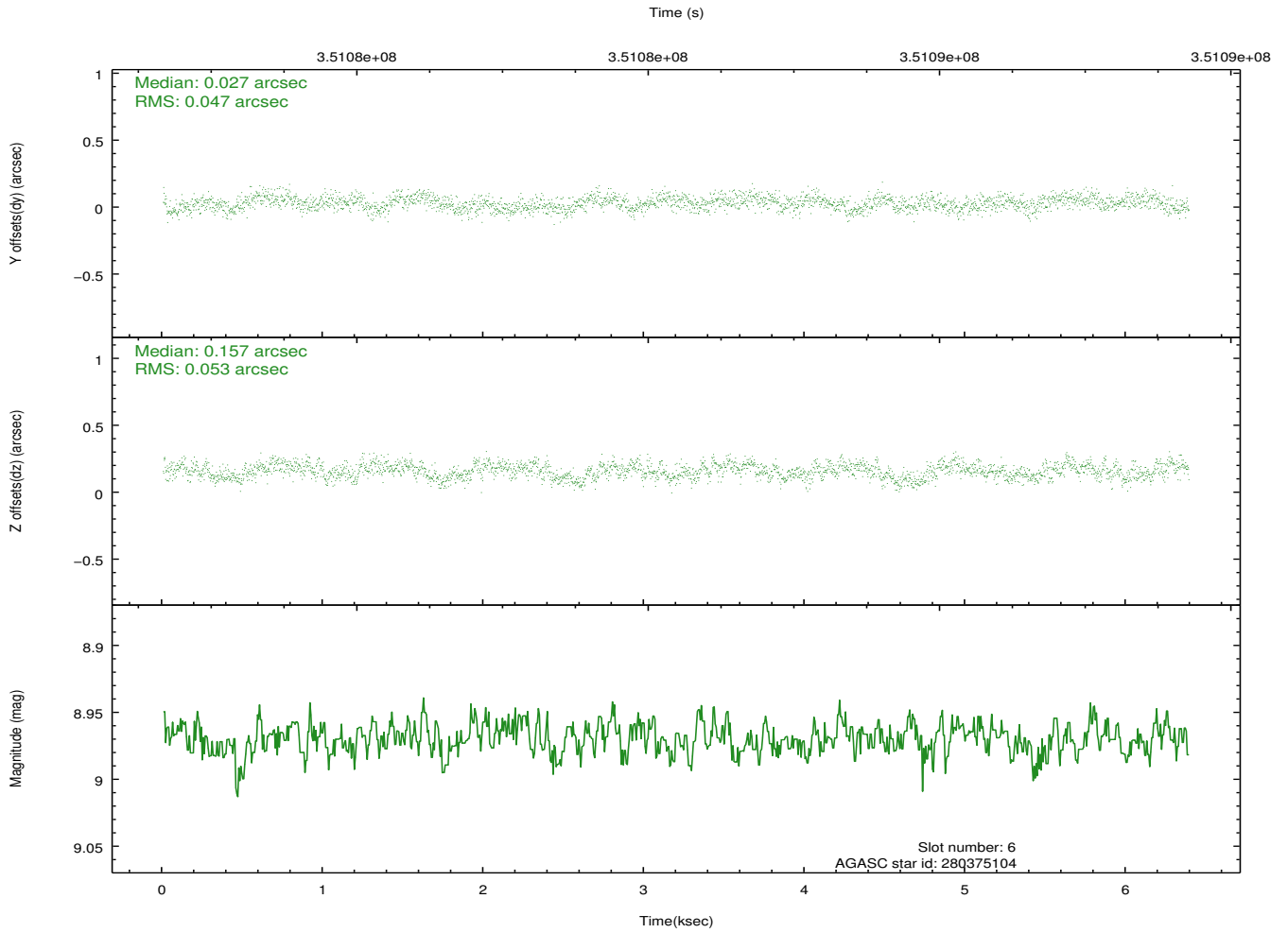
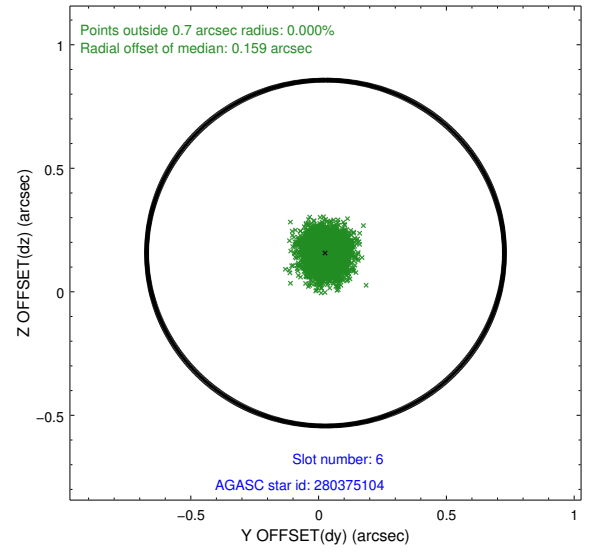
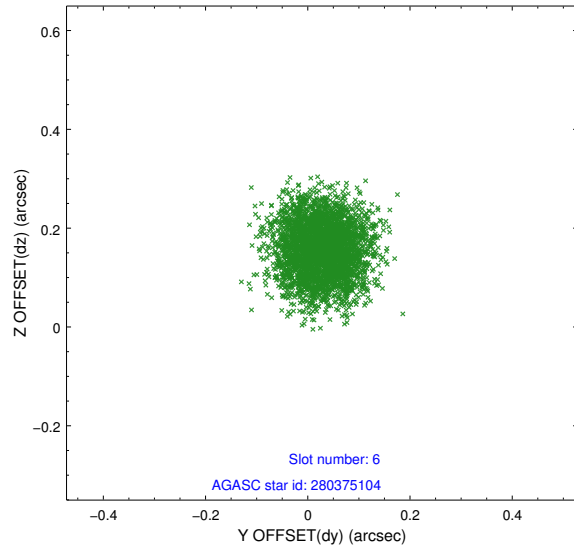
## 2.4.2 Slot 4



### 2.4.3 Slot 5

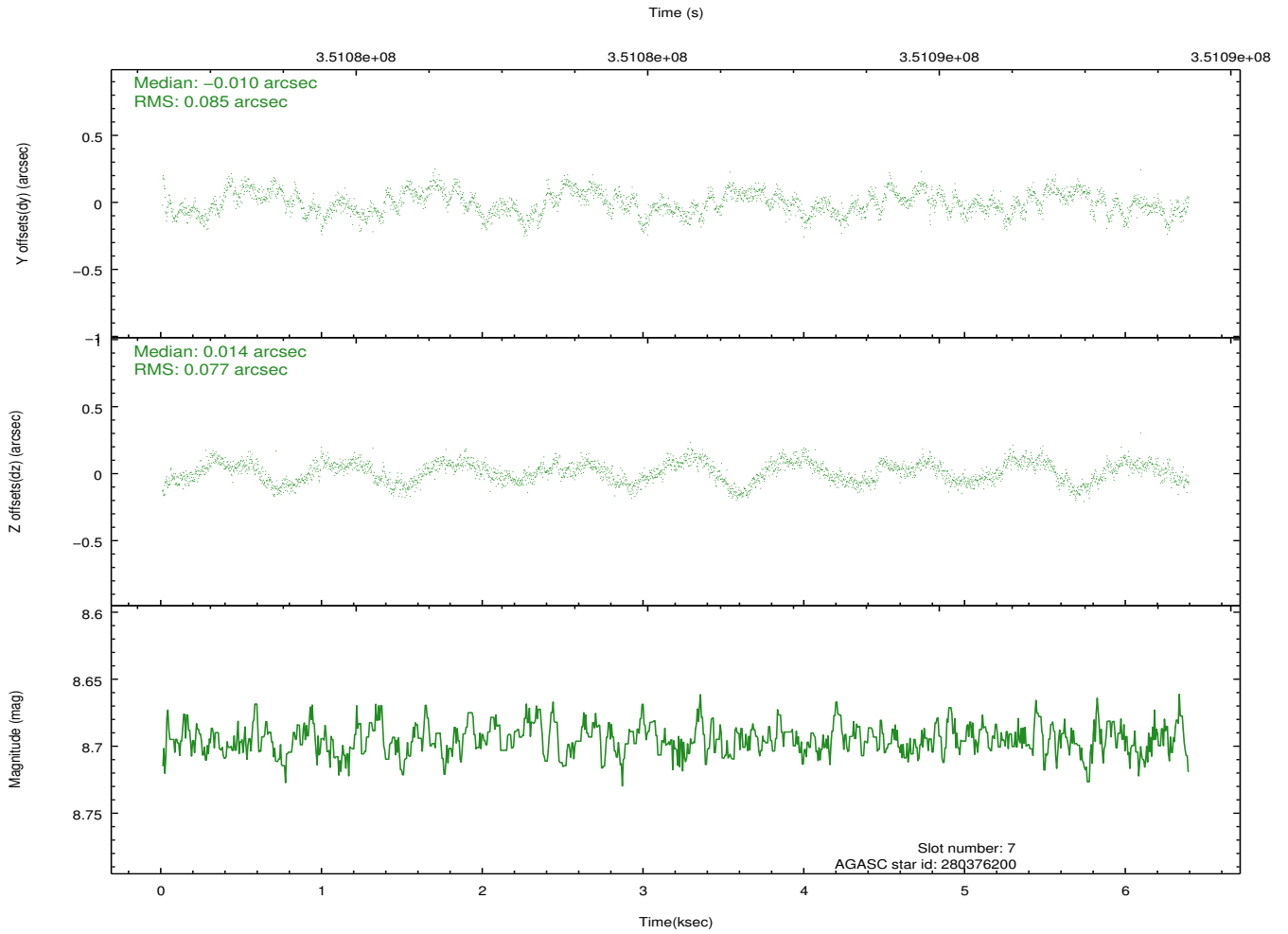
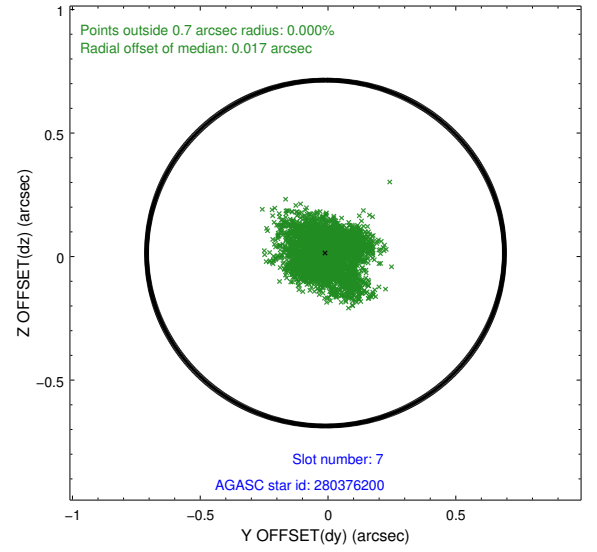
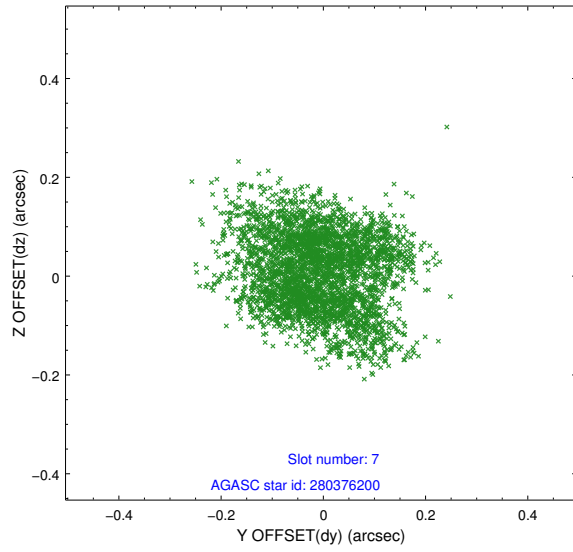


## 2.4.4 Slot 6



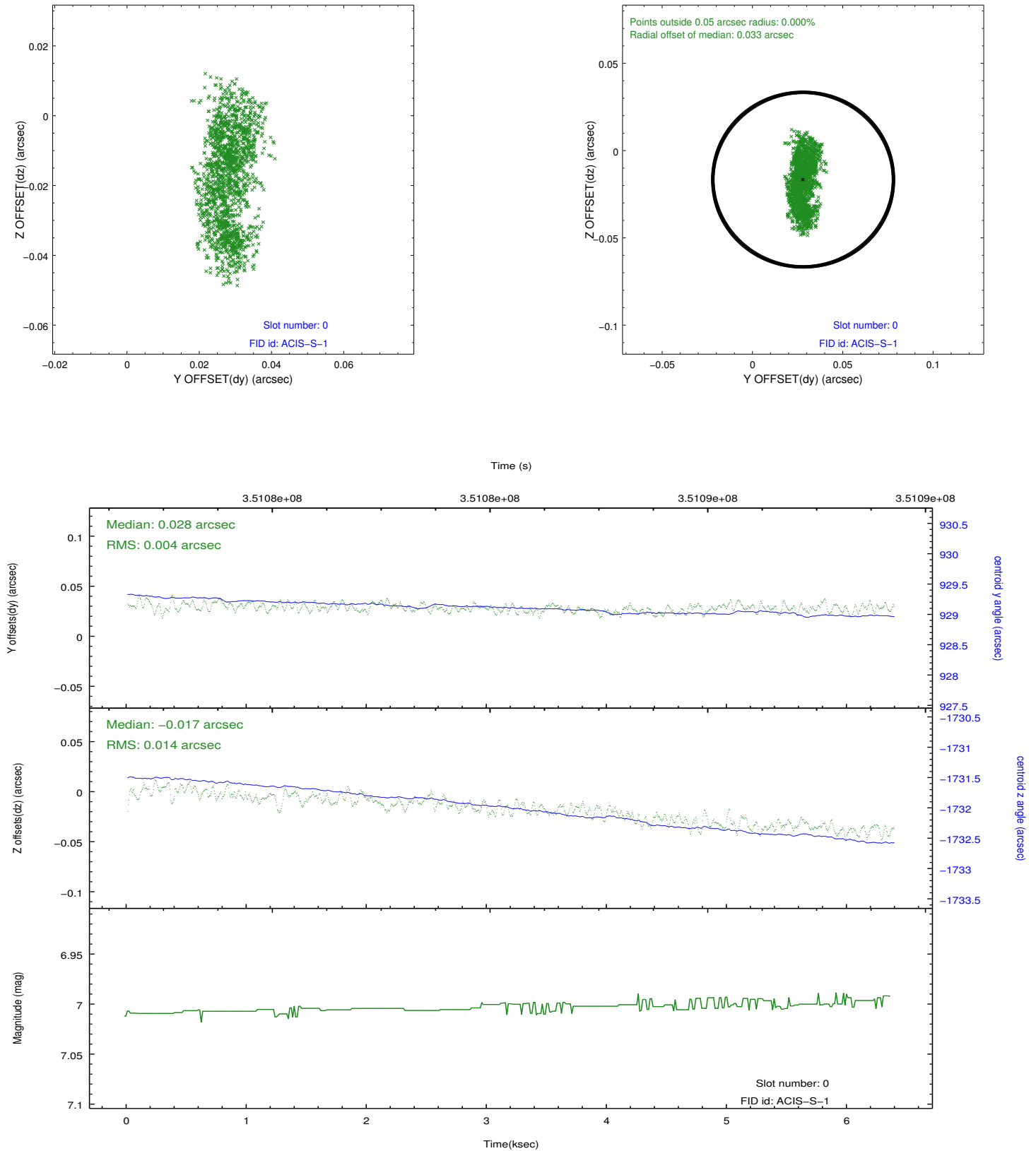


## 2.4.5 Slot 7

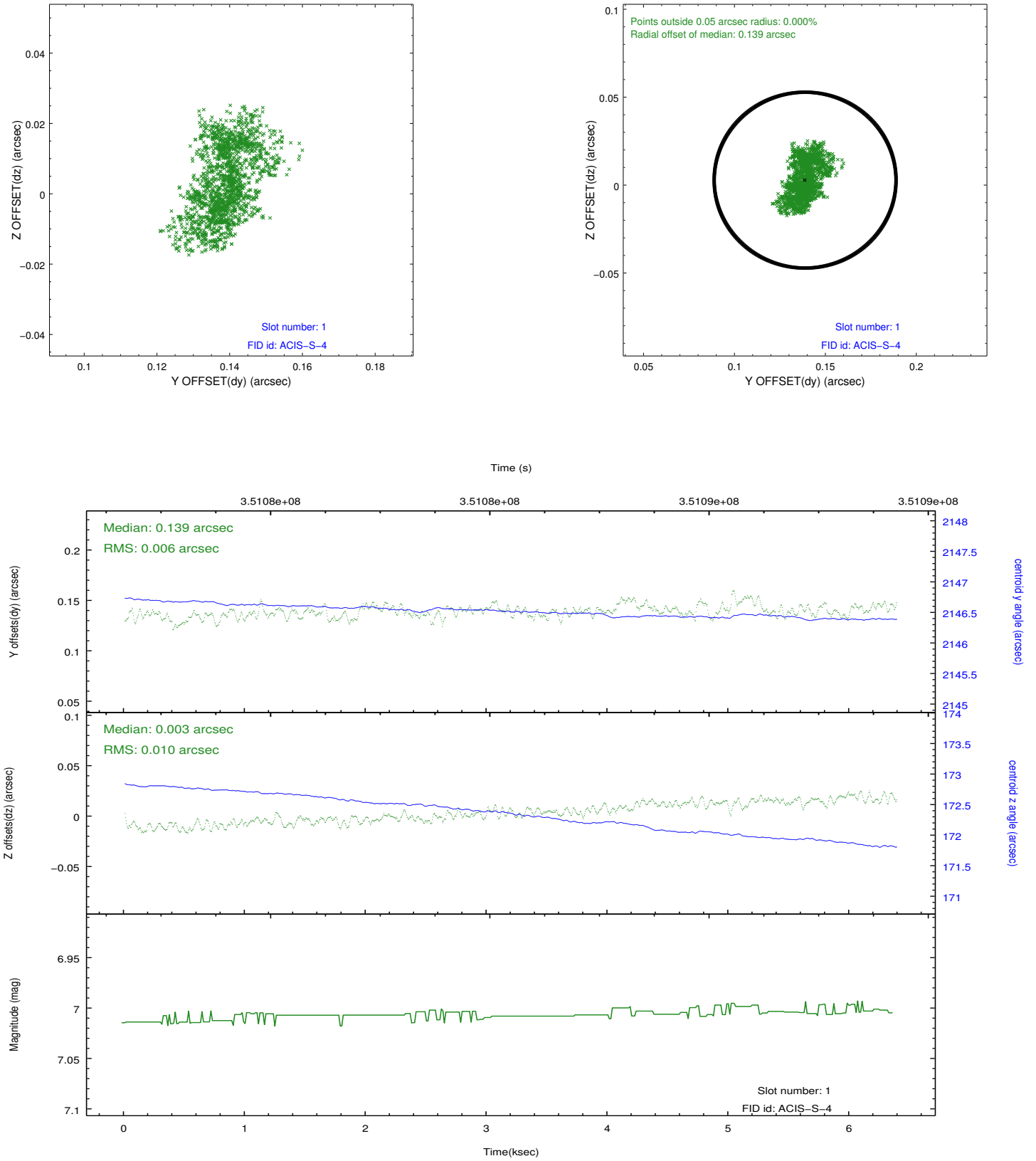


## 2.5 FID Slots

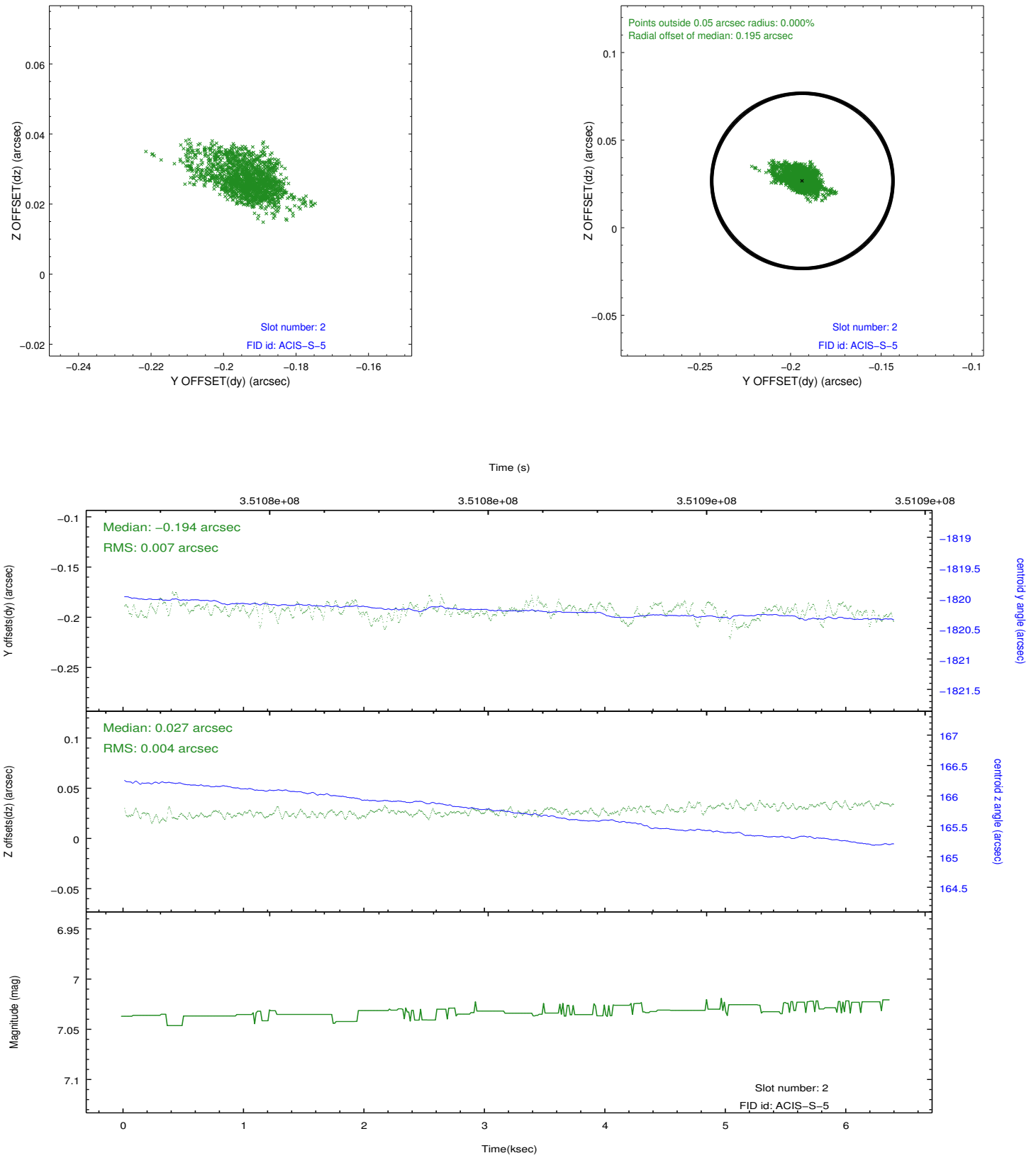
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9551999778152

### A.2 Comments