

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13888 - L2 Version 2  
Chandra X-Ray Center

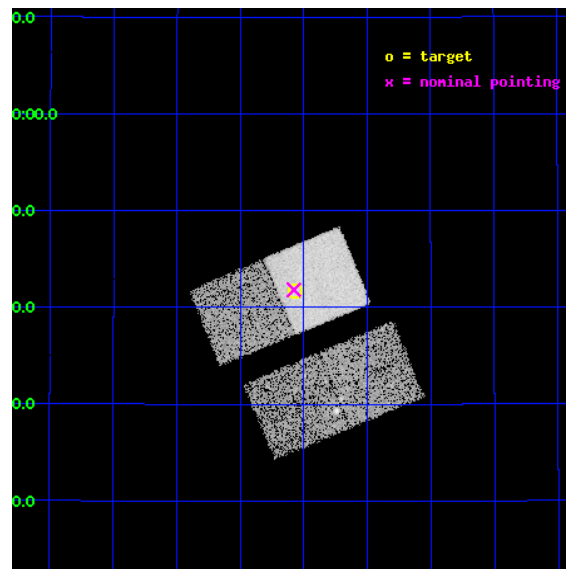
L2 Processing Date : Feb 26 2012

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# 1 Front

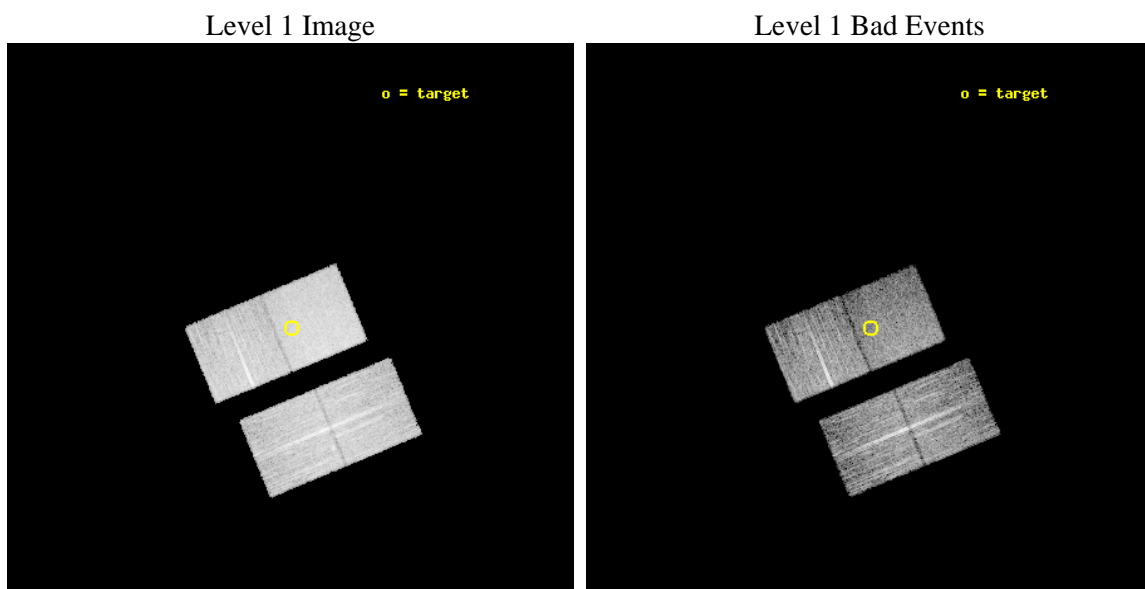
seq_num	702613	Sequence number
obs_id	13888	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c341	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.016667	Observer's specified target RA [deg]
dec_targ	27.695278	Observer's specified target Dec [deg]
ra_nom	247.01944762011	Nominal RA [deg]
dec_nom	27.697009835963	Nominal Dec [deg]
roll_nom	337.49989773248	Nominal Roll [deg]
revision	2	Processing version of data
ontime	11789.300090671	Sum of GTIs [s]
livetime	11635.26420583	Livetime [s]
ontime2	11789.300090671	Sum of GTIs [s]
ontime3	11789.300090671	Sum of GTIs [s]
ontime6	11789.300090671	Sum of GTIs [s]
ontime7	11789.300090671	Sum of GTIs [s]
l2events	62096	Number of level 2 events



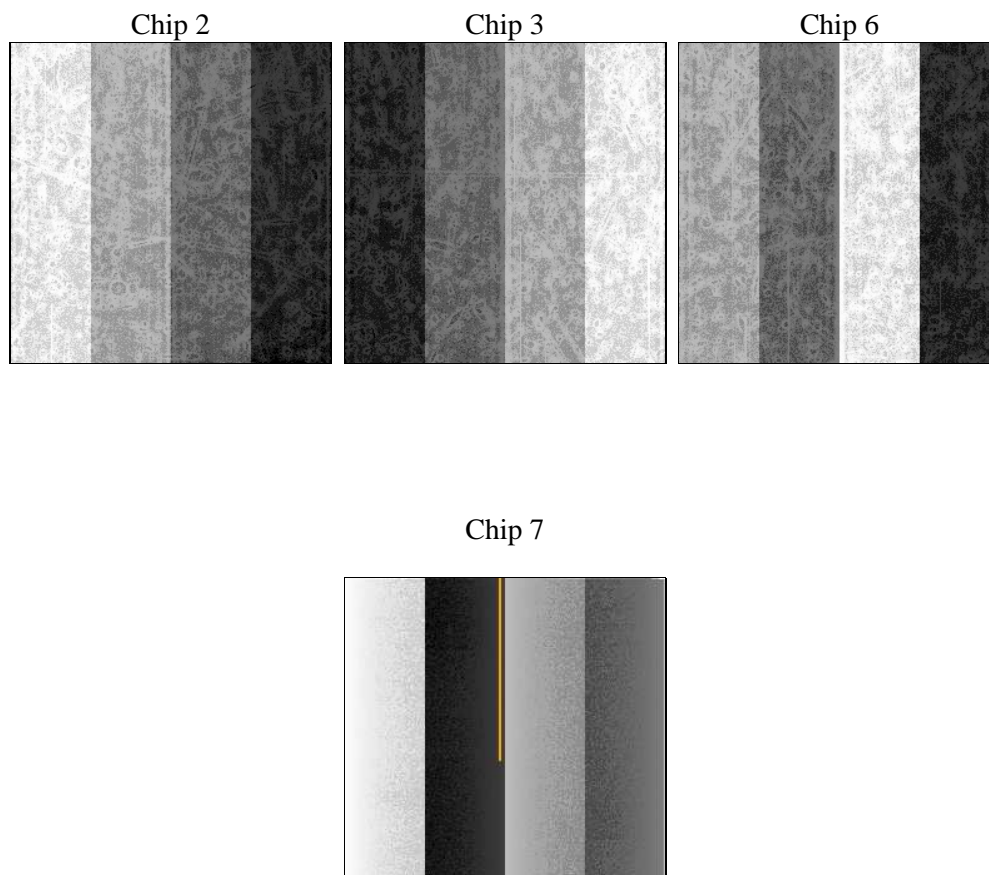
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	11789.300090671	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime2	11789.300090671	Sum of GTIs [s]
date	2012-02-26T15:22:01	Date and time of file creation	ontime3	11789.300090671	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	11789.300090671	Sum of GTIs [s]
			ontime7	11789.300090671	Sum of GTIs [s]
			l1events	312970	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	73548	70912	74542	93968
rejected events	65210	63046	66202	51964
rejected %	88%	88%	88%	55%

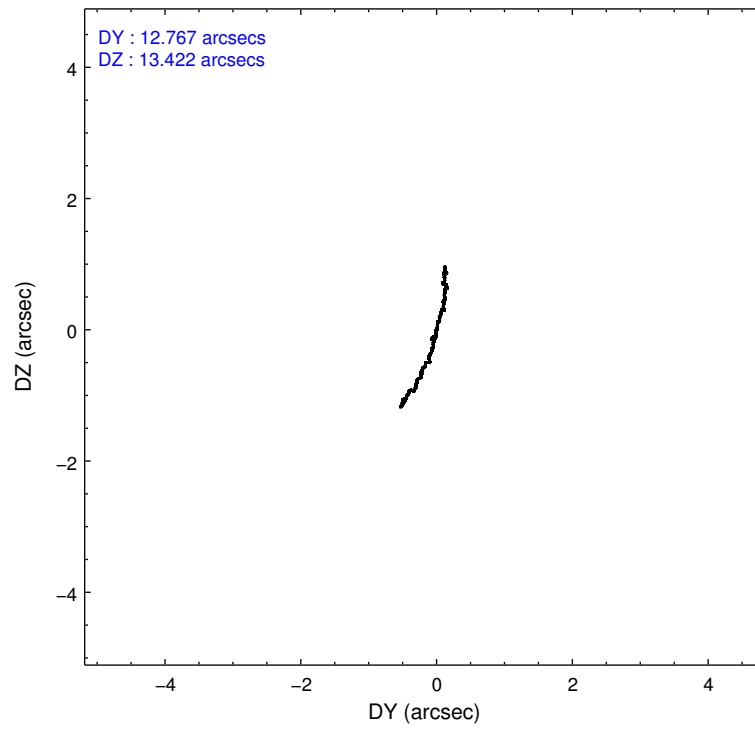
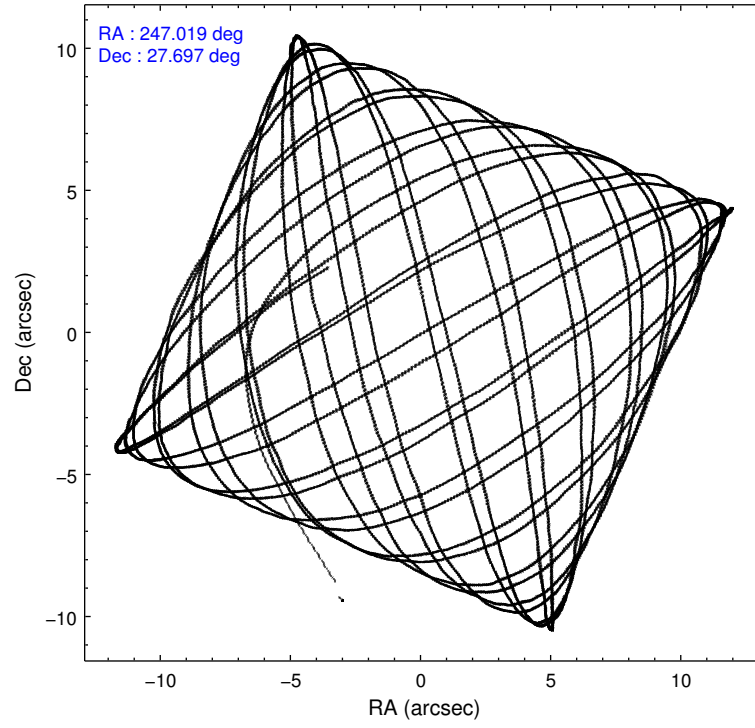
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3182	2814	2778	3763
	4%	3%	3%	4%
grade 1 events	37	51	36	98
	0%	0%	0%	0%
grade 2 events	2009	1749	1927	8575
	2%	2%	2%	9%
grade 3 events	831	875	871	3657
	1%	1%	1%	3%
grade 4 events	840	865	906	3584
	1%	1%	1%	3%
grade 5 events	2954	3632	3636	9598
	4%	5%	4%	10%
grade 6 events	1476	1567	1859	22441
	2%	2%	2%	23%
grade 7 events	62219	59359	62529	42252
	84%	83%	83%	44%

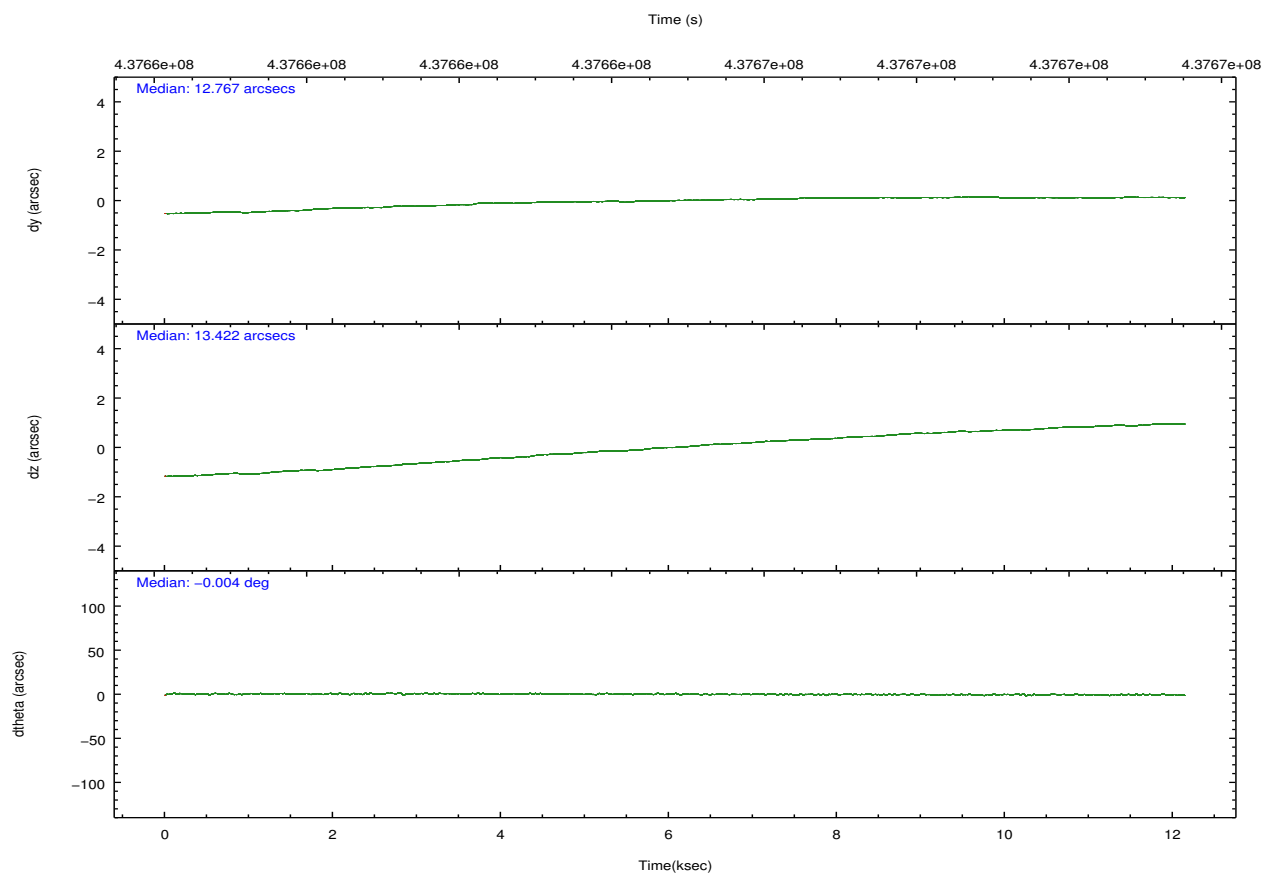
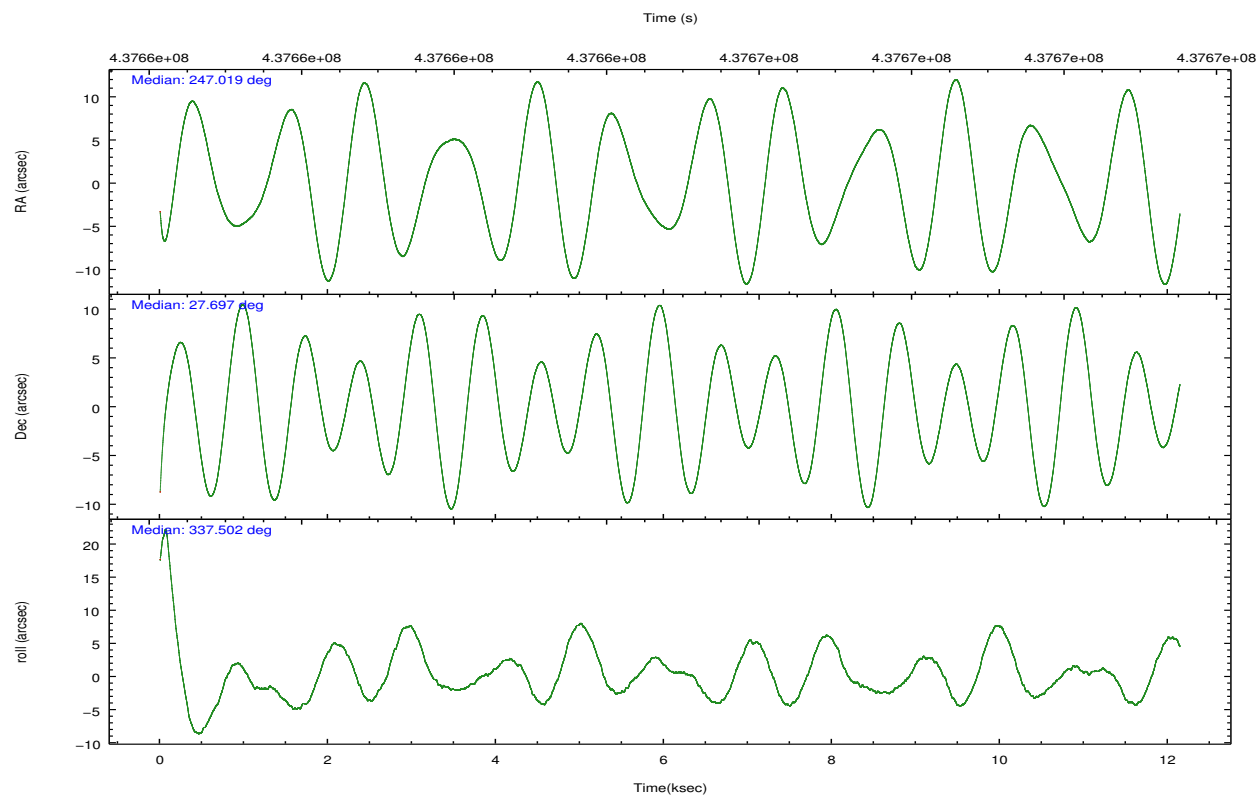


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	246.988910	247.0194476201067	CCD I2 on	O1	Y
[deg] Pointing Dec	27.693069	27.69700983596277	CCD I3 on	O2	Y
[deg] Pointing Roll	337.357472	337.4998977324816	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	N	N
[s] Observation start time (MET)	437658902.184000	437657932.09178	CCD S5 on	N	N
Observation start date	2011-11-14T11:53:56	2011-11-14T11:38:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	437670902.184000	437671296.04249	On-chip summing requested	N	N
Observation end date	2011-11-14T15:13:56	2011-11-14T15:21:36	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



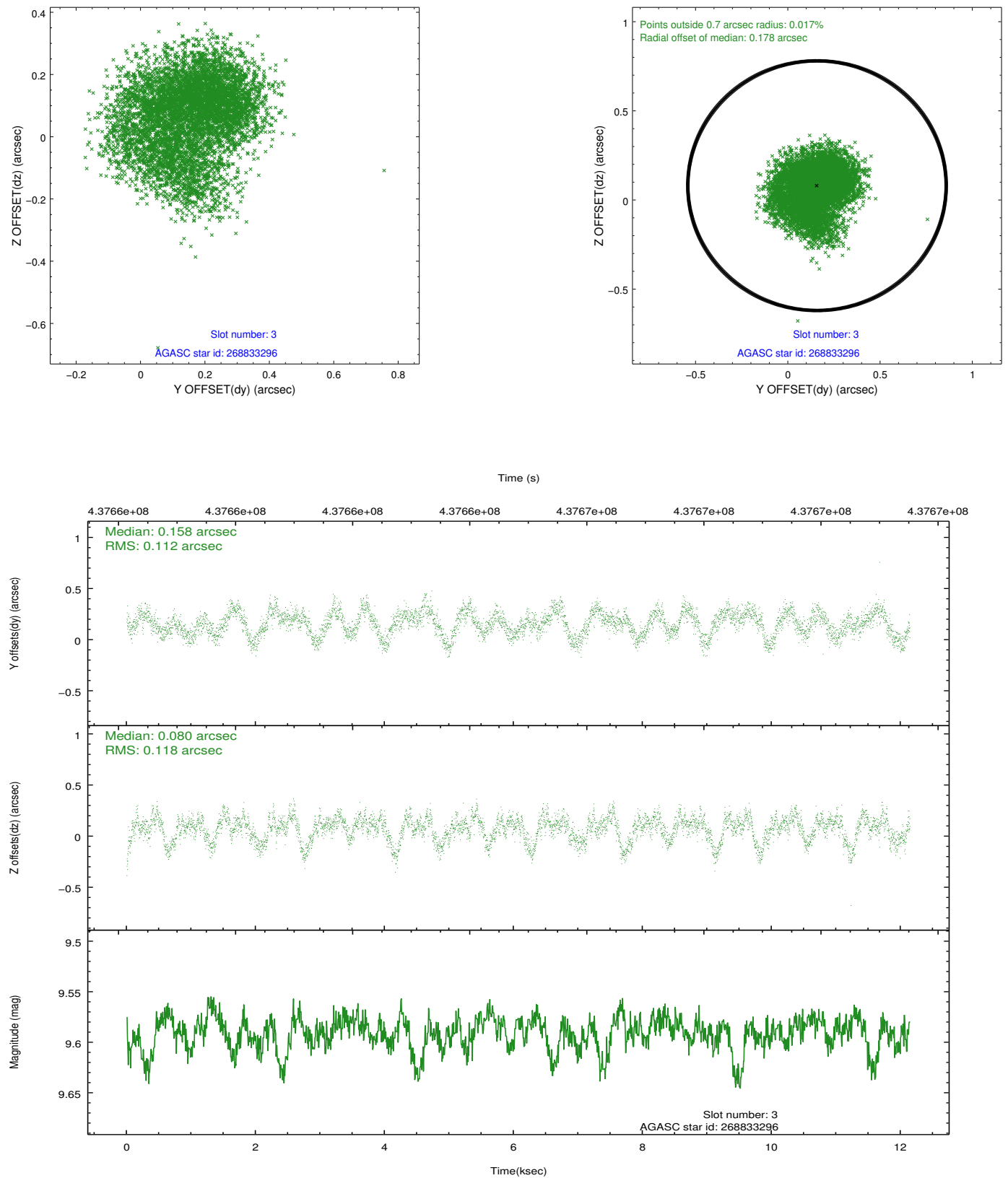


### Slot Statistics

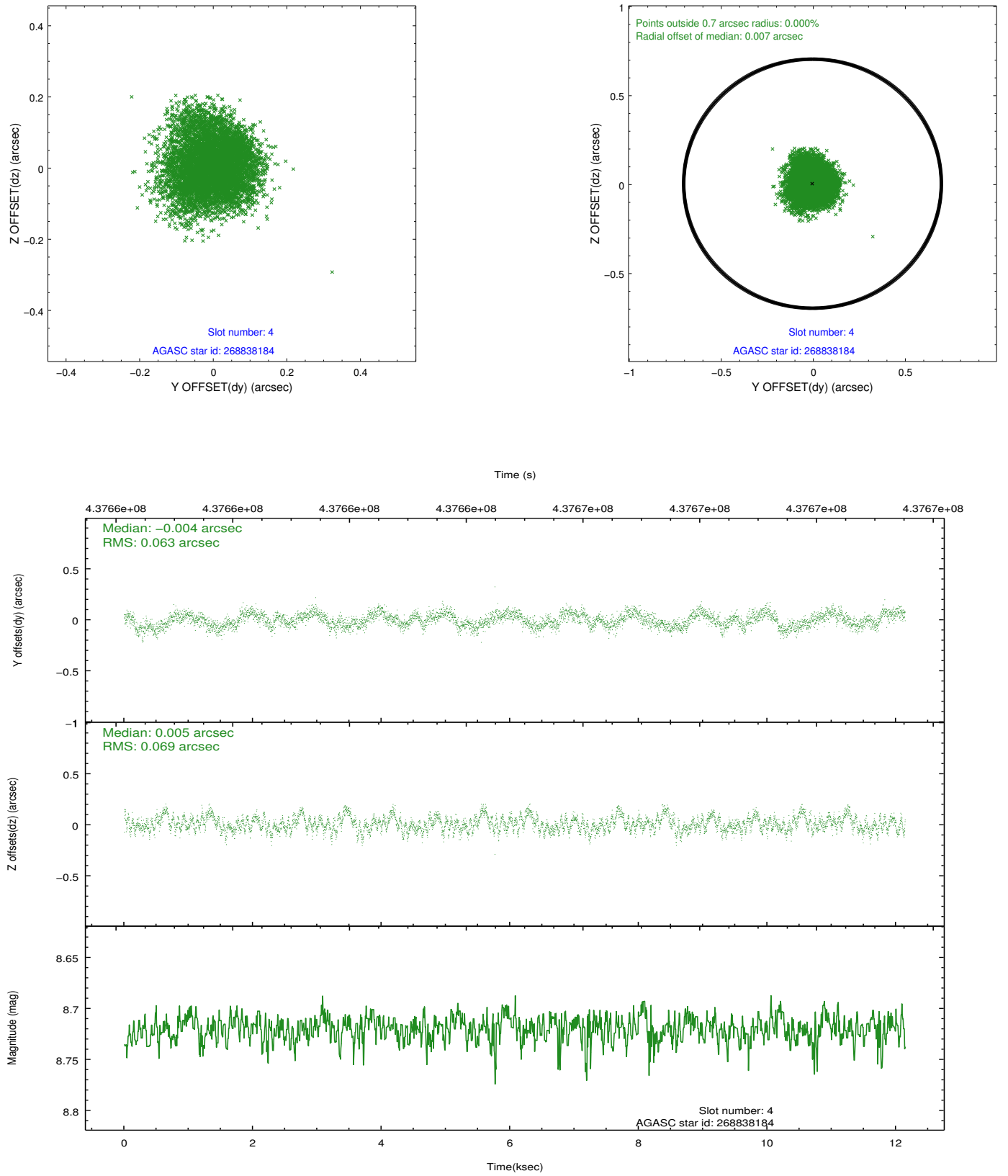
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.99	2962	-0.085	-0.056	0.015	0.024	0.000000	0.000000	-765.70	-1734.71
1	FID	ACIS-S-4	7.07	2962	0.137	0.027	0.016	0.022	0.000000	0.000000	2147.62	173.41
2	FID	ACIS-S-6	7.20	2960	-0.079	0.036	0.008	0.017	0.000000	0.000000	396.83	811.29
3	GUIDE	268833296	9.59	5917	0.158	0.080	0.177	0.271	246.353193	27.597033	-1739.75	-1095.04
4	GUIDE	268838184	8.72	5916	-0.004	0.005	0.101	0.157	246.495863	27.634881	-1371.47	-795.84
5	GUIDE	268964568	8.56	5923	-0.183	-0.349	0.087	0.135	247.691390	27.660646	2110.05	760.06
6	GUIDE	268967256	8.97	5916	0.051	0.137	0.098	0.161	247.091446	27.159326	1043.58	-1646.51
7	GUIDE	268965000	9.65	5909	-0.024	0.142	0.147	0.237	247.602399	27.316138	2332.42	-492.57

## 2.4 Star Slots

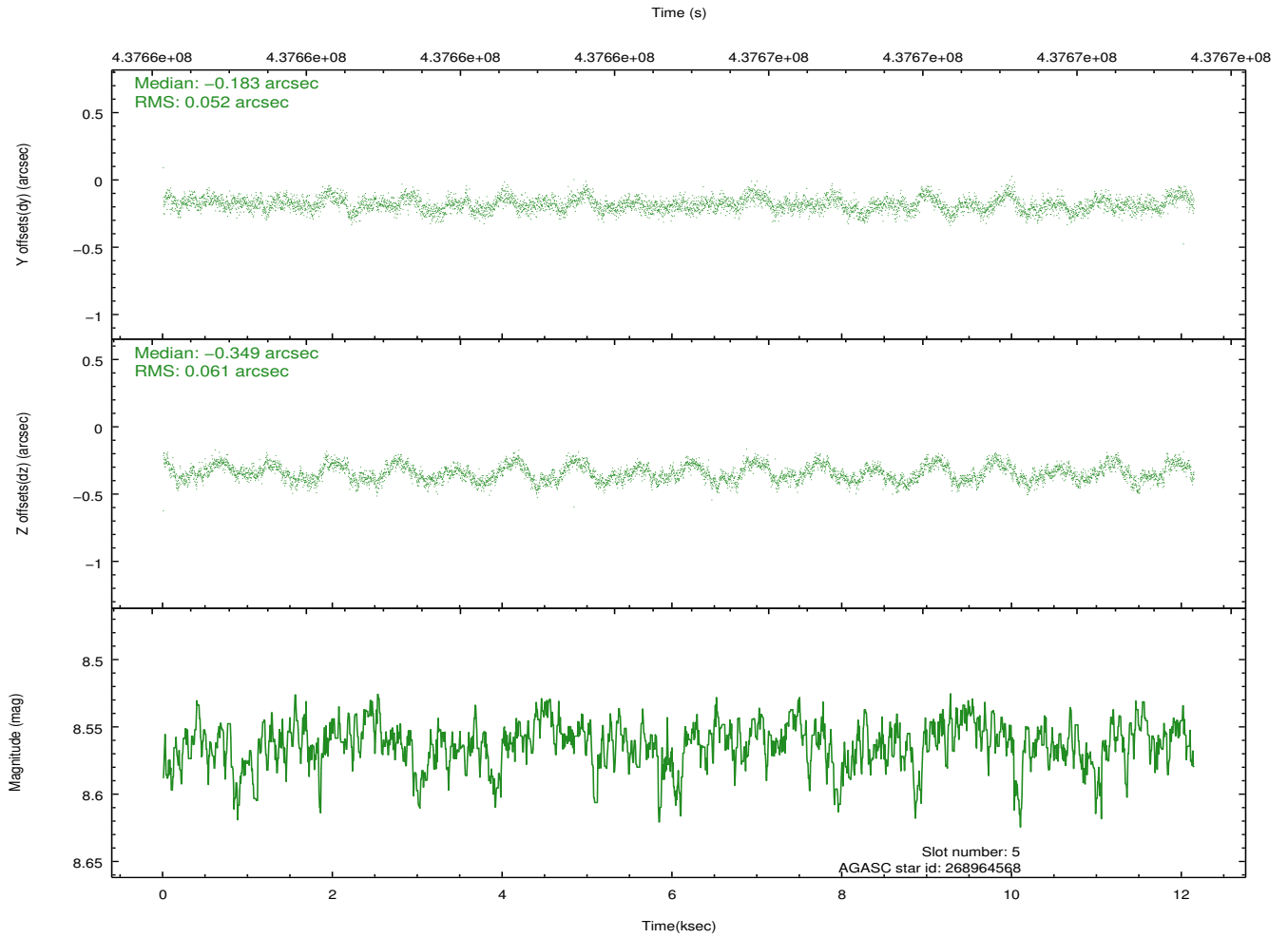
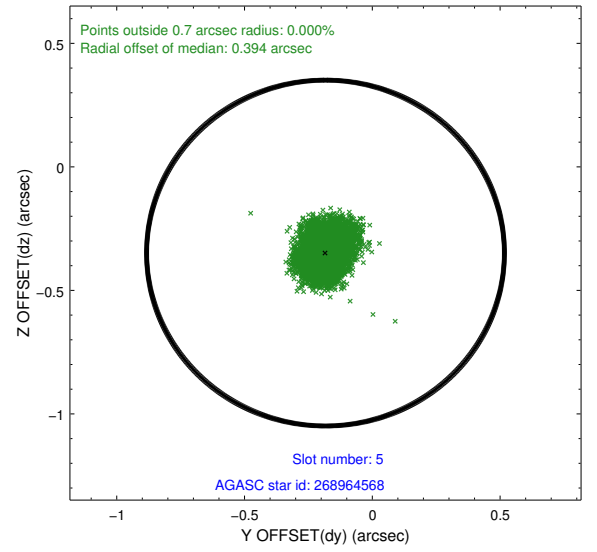
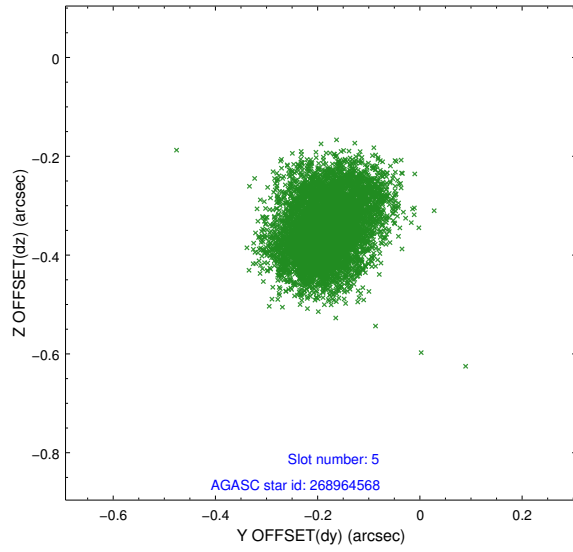
### 2.4.1 Slot 3



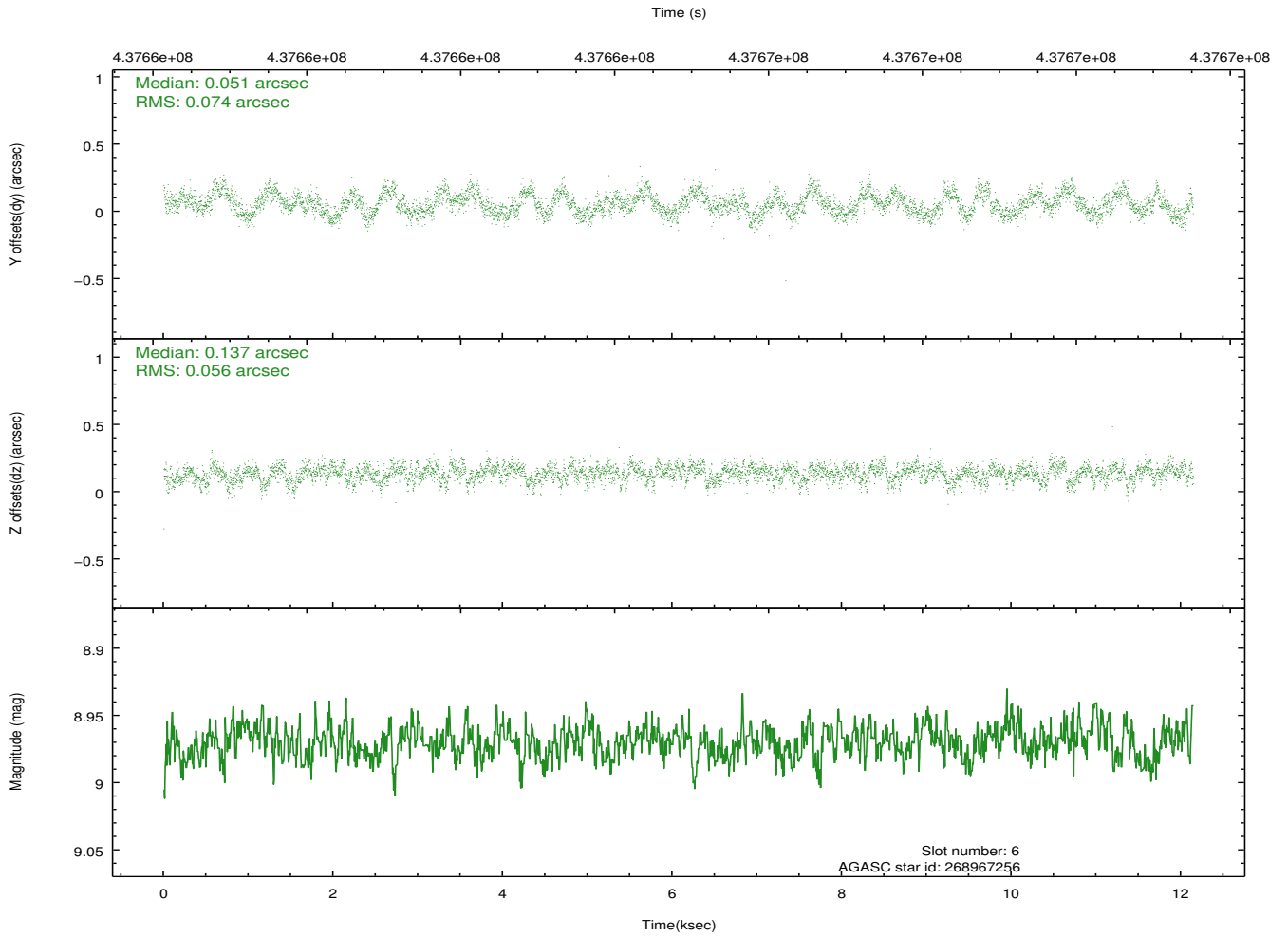
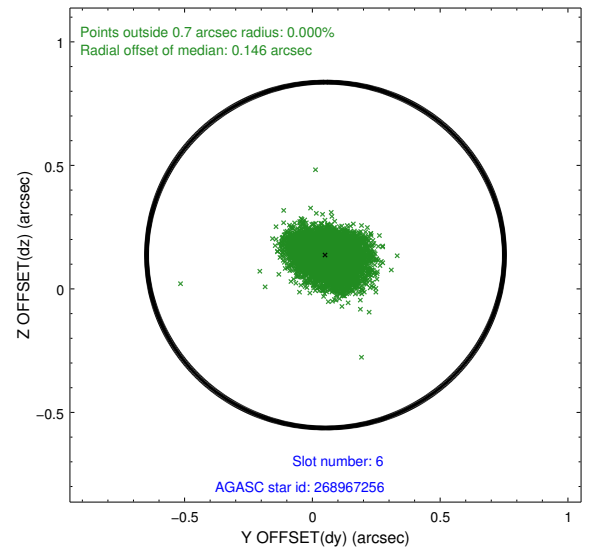
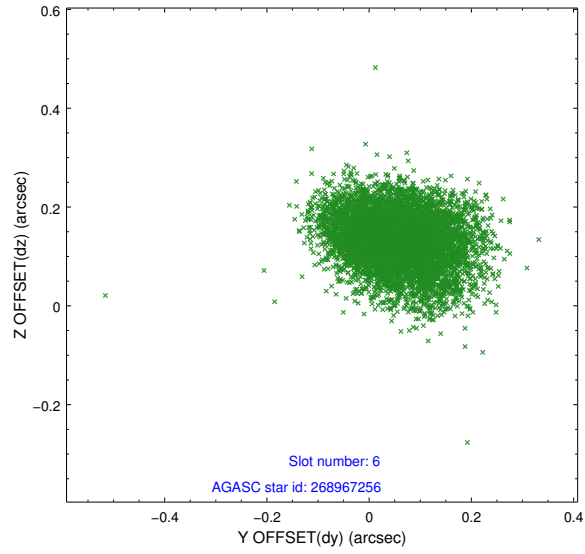
## 2.4.2 Slot 4



### 2.4.3 Slot 5

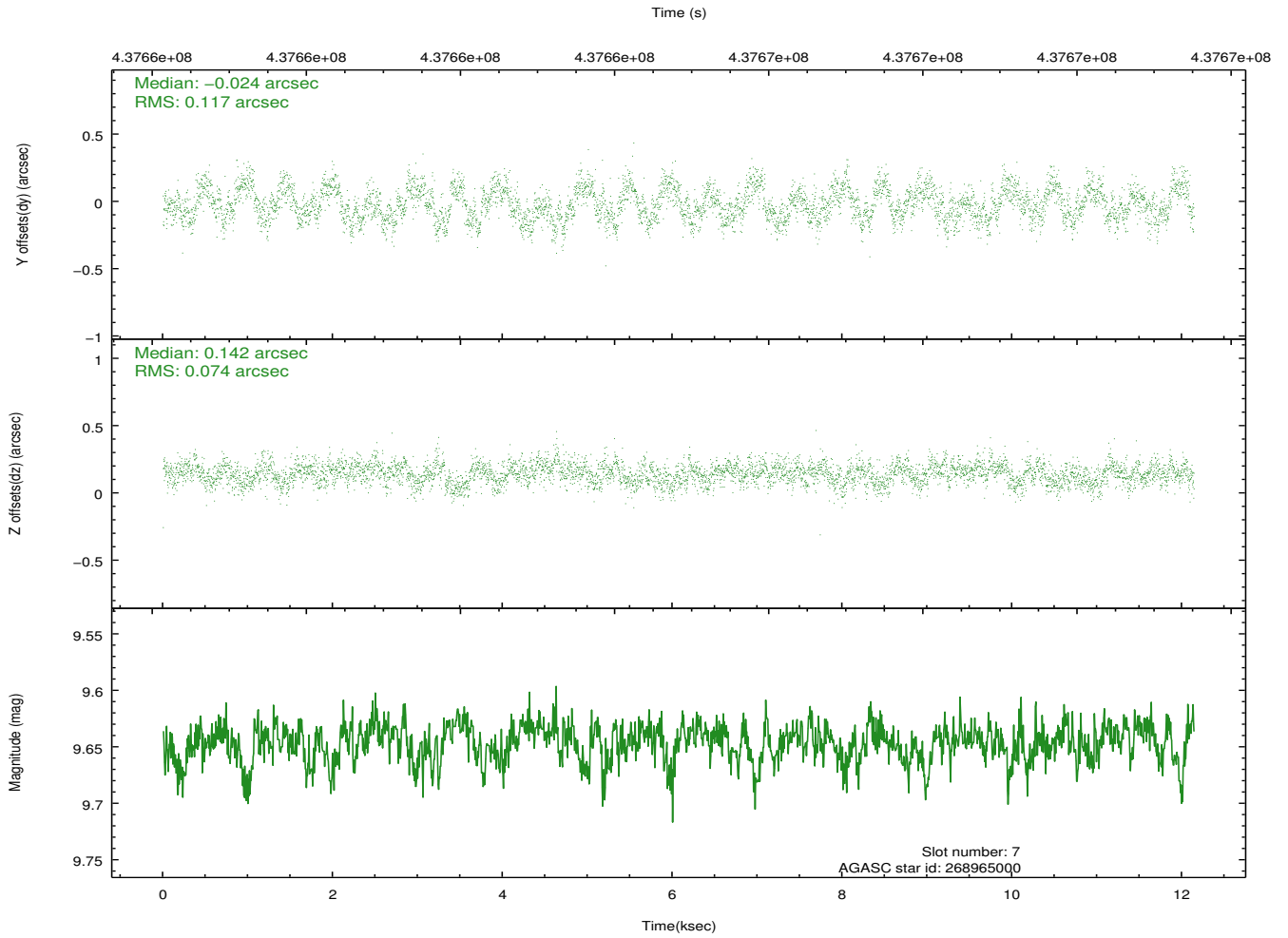
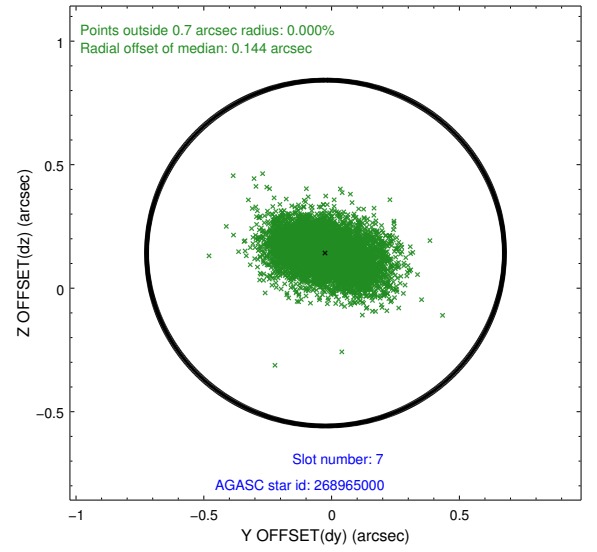
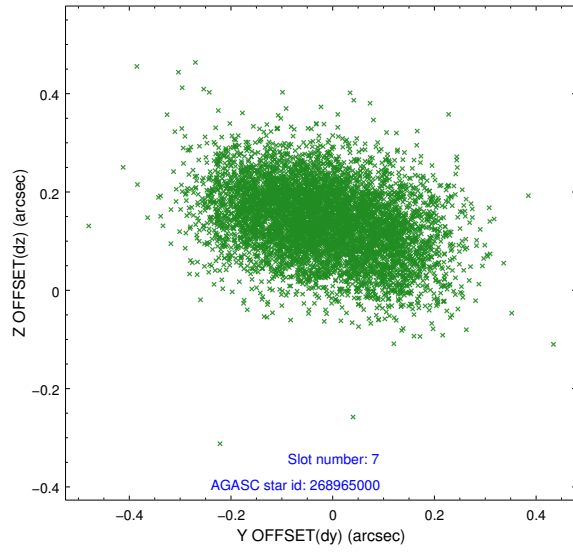


## 2.4.4 Slot 6



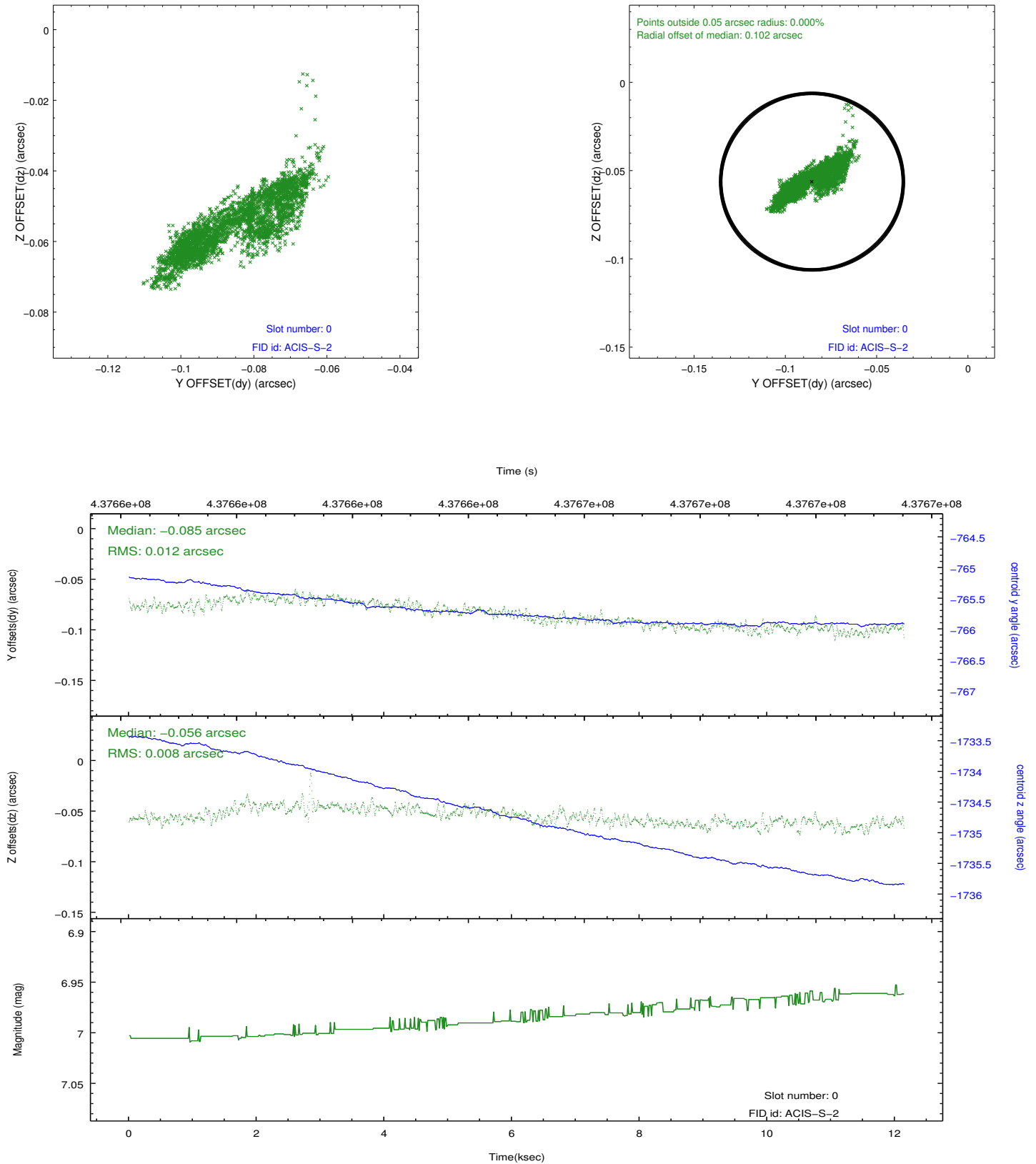


## 2.4.5 Slot 7

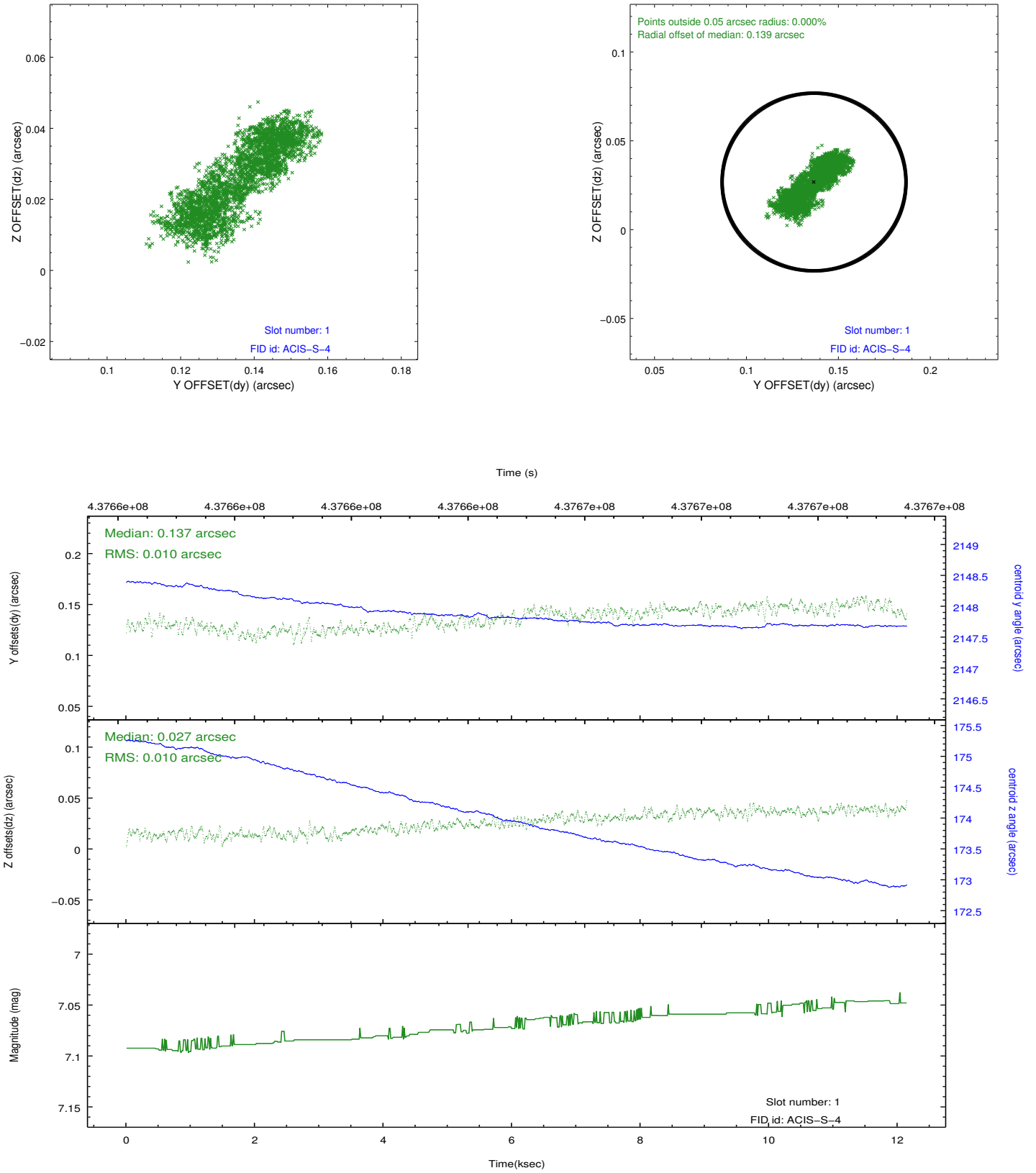


## 2.5 FID Slots

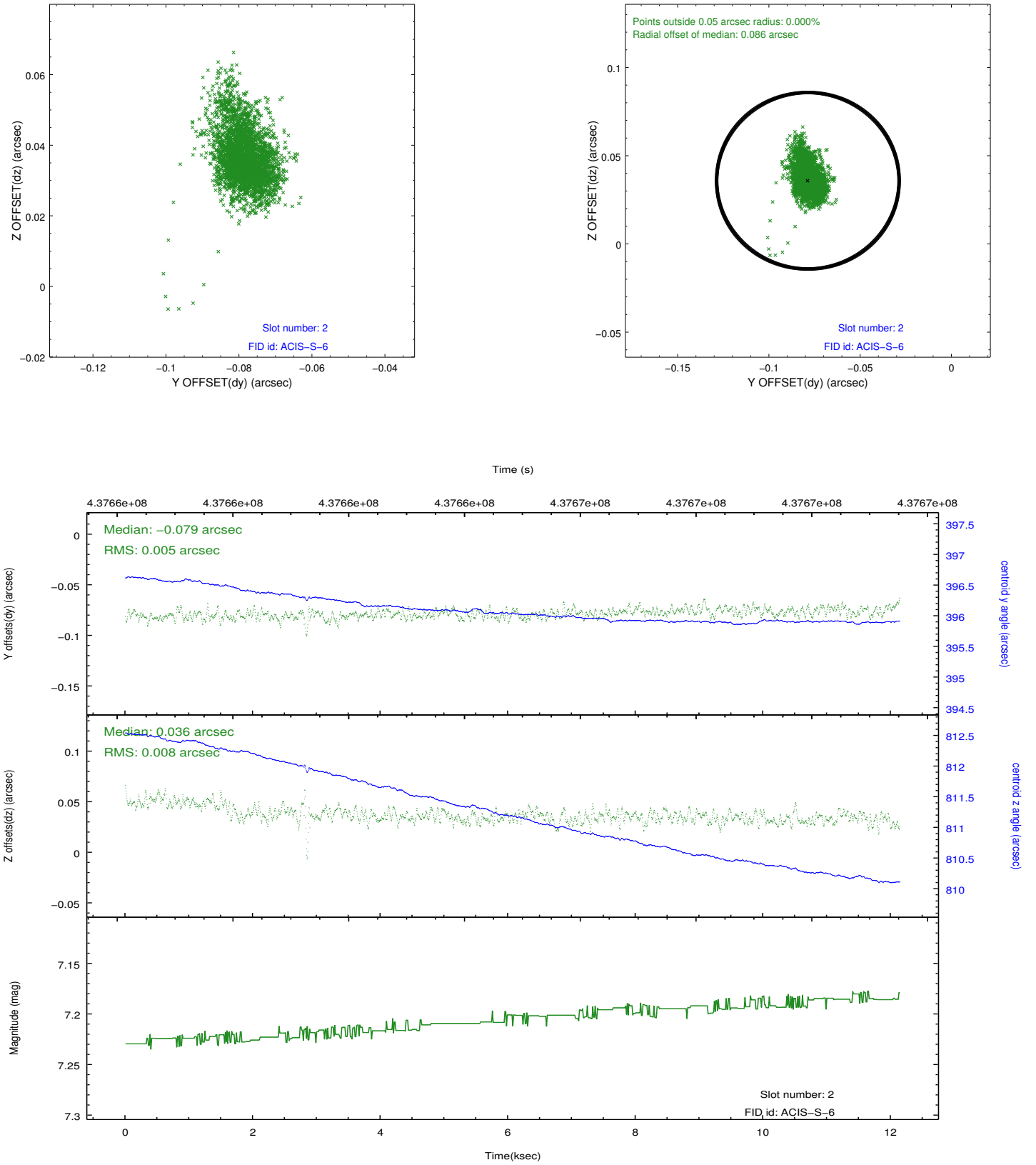
### 2.5.1 Slot 0



## 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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.789300090671

### A.2 Comments