

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10293 - L2 Version 2  
Chandra X-Ray Center

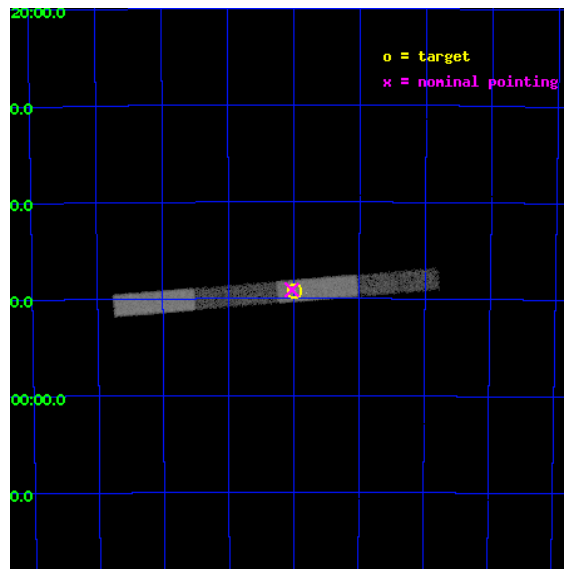
L2 Processing Date : Jun 8 2012

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# 1 Front

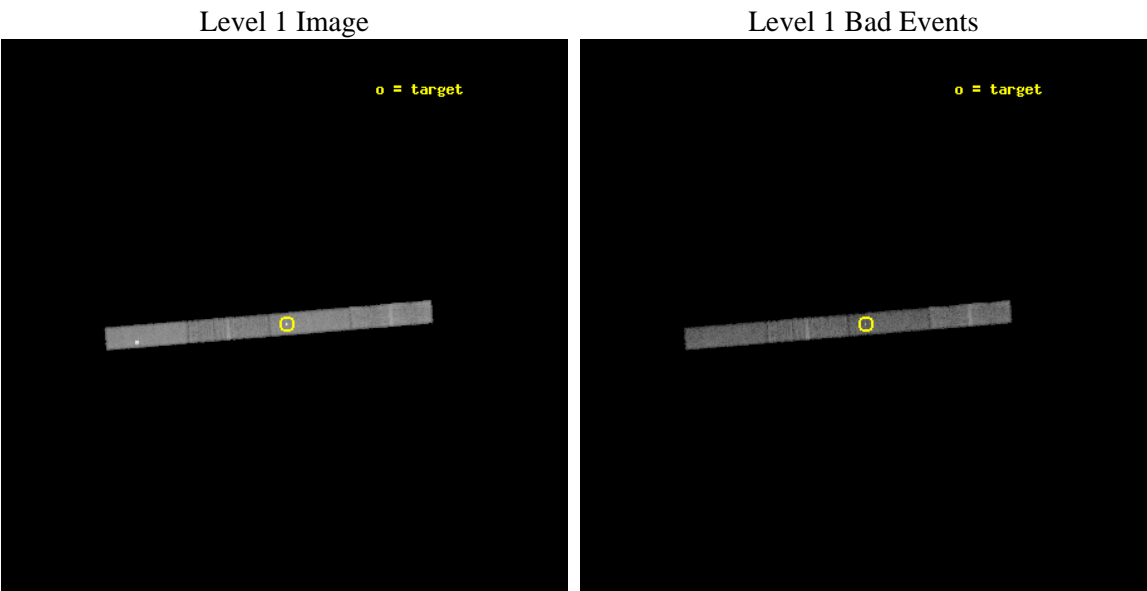
seq_num	701836	Sequence number
obs_id	10293	Observation id
title	Short-time monitoring of extreme spectral variations in Seyfert 2s	&#160
observer	Dr Guido Risaliti	Principal investigator
object	NGC 6300	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.247917	Observer's specified target RA [deg]
dec_targ	-62.820556	Observer's specified target Dec [deg]
ra_nom	259.25737394812	Nominal RA [deg]
dec_nom	-62.818386245341	Nominal Dec [deg]
roll_nom	355.25367572106	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10183.0	Sum of GTIs [s]
livetime	9781.5645892569	Livetime [s]
ontime5	10183.0	Sum of GTIs [s]
ontime6	10183.0	Sum of GTIs [s]
ontime7	10183.0	Sum of GTIs [s]
ontime8	10183.0	Sum of GTIs [s]
l2events	48233	Number of level 2 events



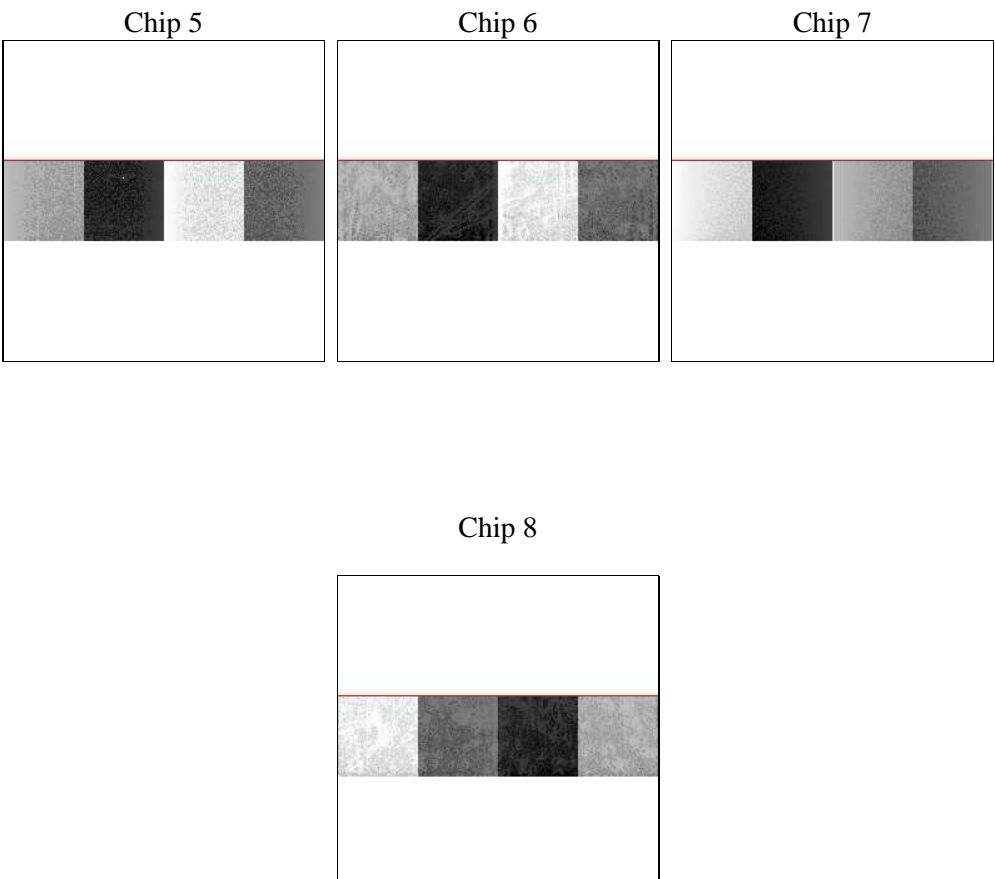
# 2 OBI

## 2.1 OBI

### 2.1.1 Images



### 2.1.2 Bias



Chip 8



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10183.0	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime5	10183.0	Sum of GTIs [s]
date	2012-06-08T20:15:27	Date and time of file creation	ontime6	10183.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10183.0	Sum of GTIs [s]
			ontime8	10183.0	Sum of GTIs [s]
			l1events	184052	Number of level 1 events

### 2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	55389	34229	48700	45734
rejected events	27817	30265	26462	36970
rejected %	50%	88%	54%	80%

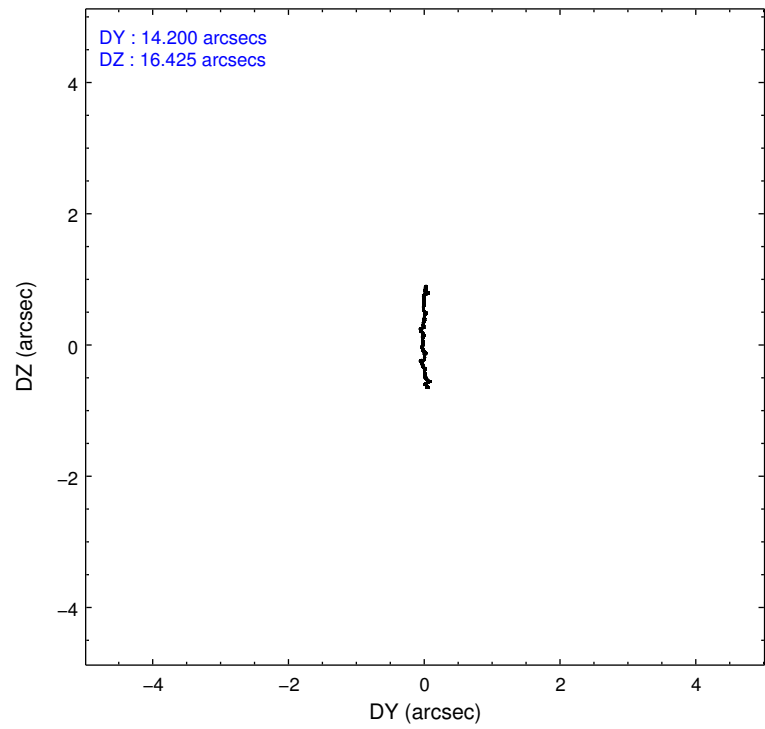
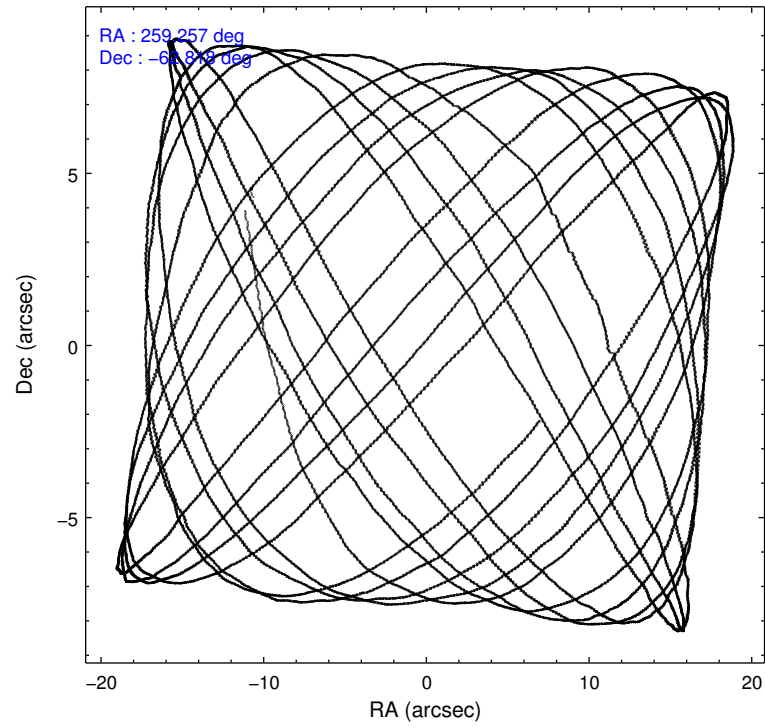
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9669	1659	2879	2796
	17%	4%	5%	6%
grade 1 events	96	11	72	17
	0%	0%	0%	0%
grade 2 events	6770	776	5086	2132
	12%	2%	10%	4%
grade 3 events	1264	595	2366	1045
	2%	1%	4%	2%
grade 4 events	1248	562	2441	982
	2%	1%	5%	2%
grade 5 events	3873	1481	4316	1935
	6%	4%	8%	4%
grade 6 events	11127	724	11085	2665
	20%	2%	22%	5%
grade 7 events	21342	28421	20455	34162
	38%	83%	42%	74%

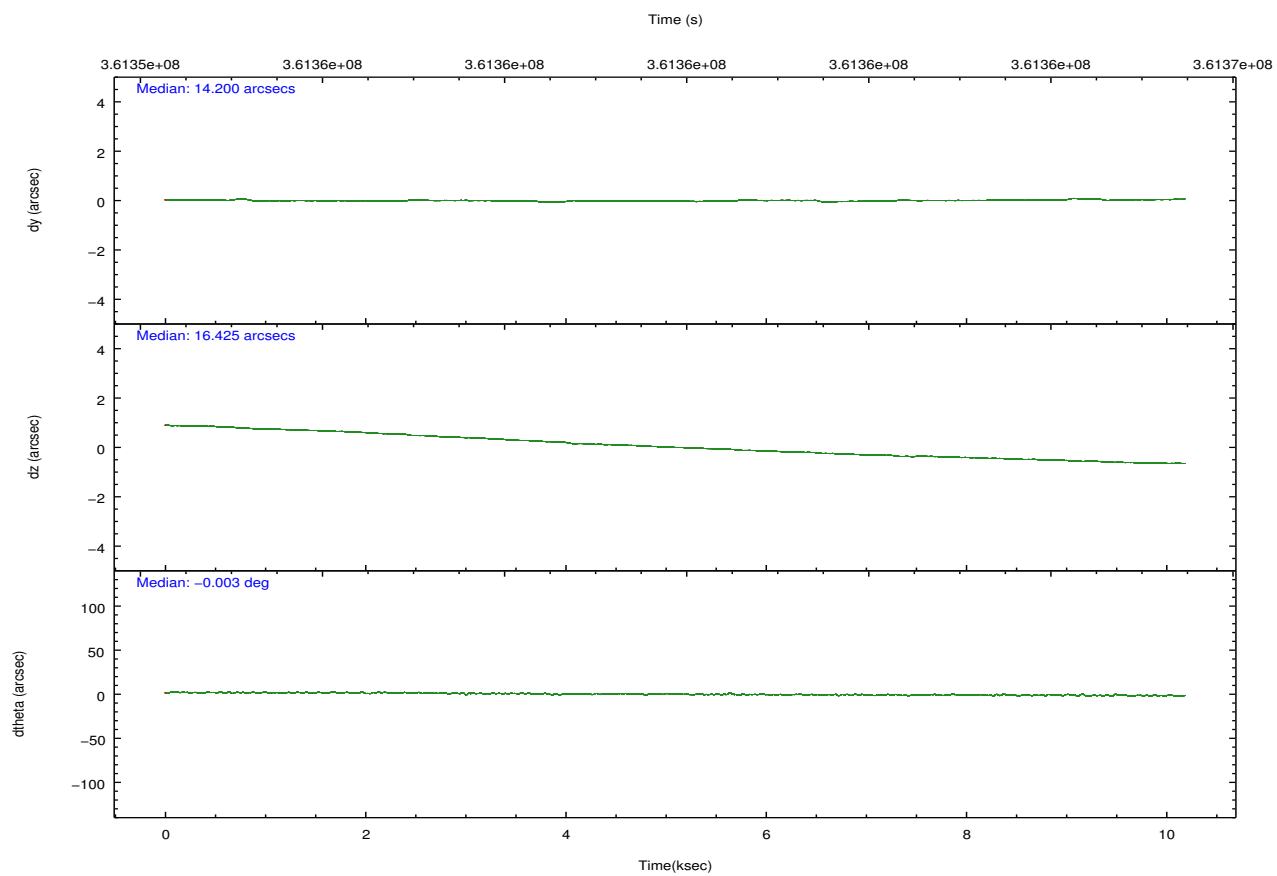
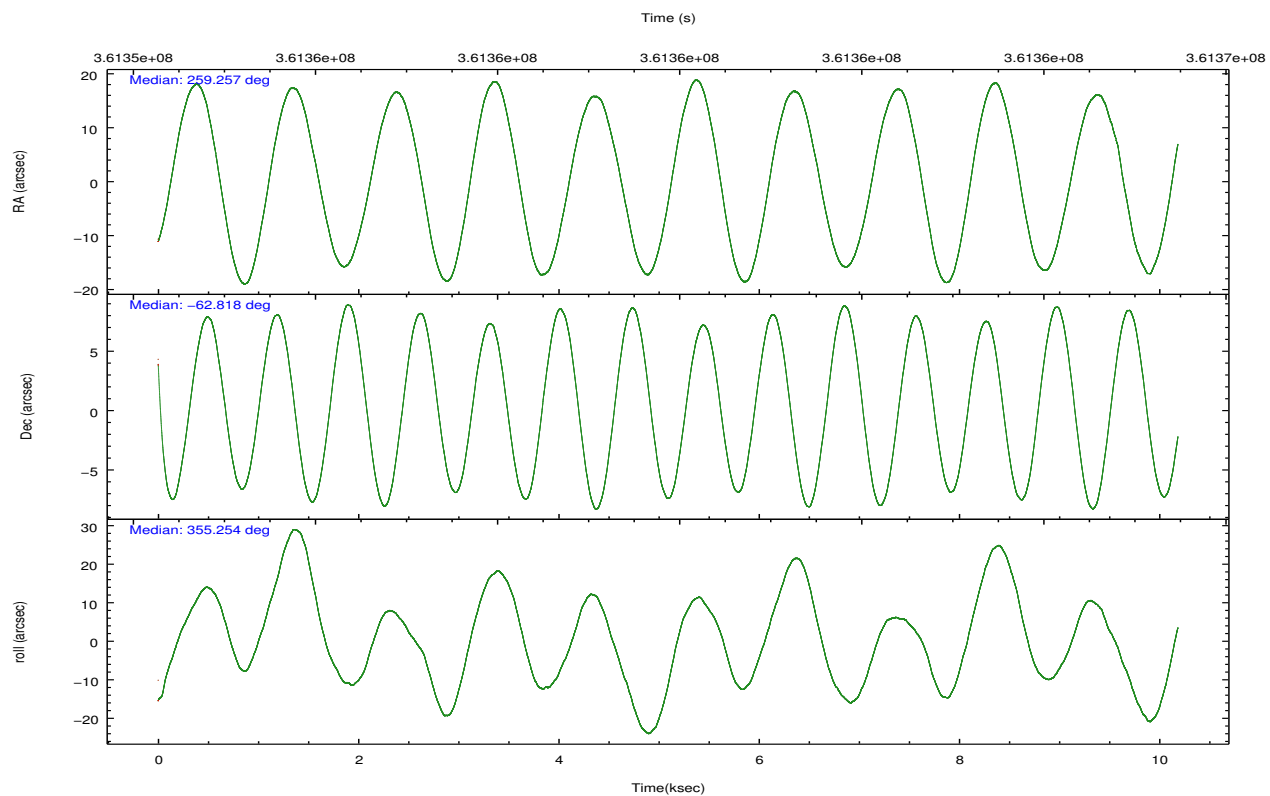


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	259.203584	259.2573739481205	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-62.830367	-62.81838624534082	Subarray start row	385	385
[deg] Pointing Roll	355.049199	355.2536757210586	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	361354965.184000	361353783.55321			
Observation start date	2009-06-14T08:21:39	2009-06-14T08:03:03			
[s] Observation end time (MET)	361364965.184000	361365446.00379			
Observation end date	2009-06-14T11:08:19	2009-06-14T11:17:26			
Read mode	TIMED	TIMED			

## 2.3 Aspect



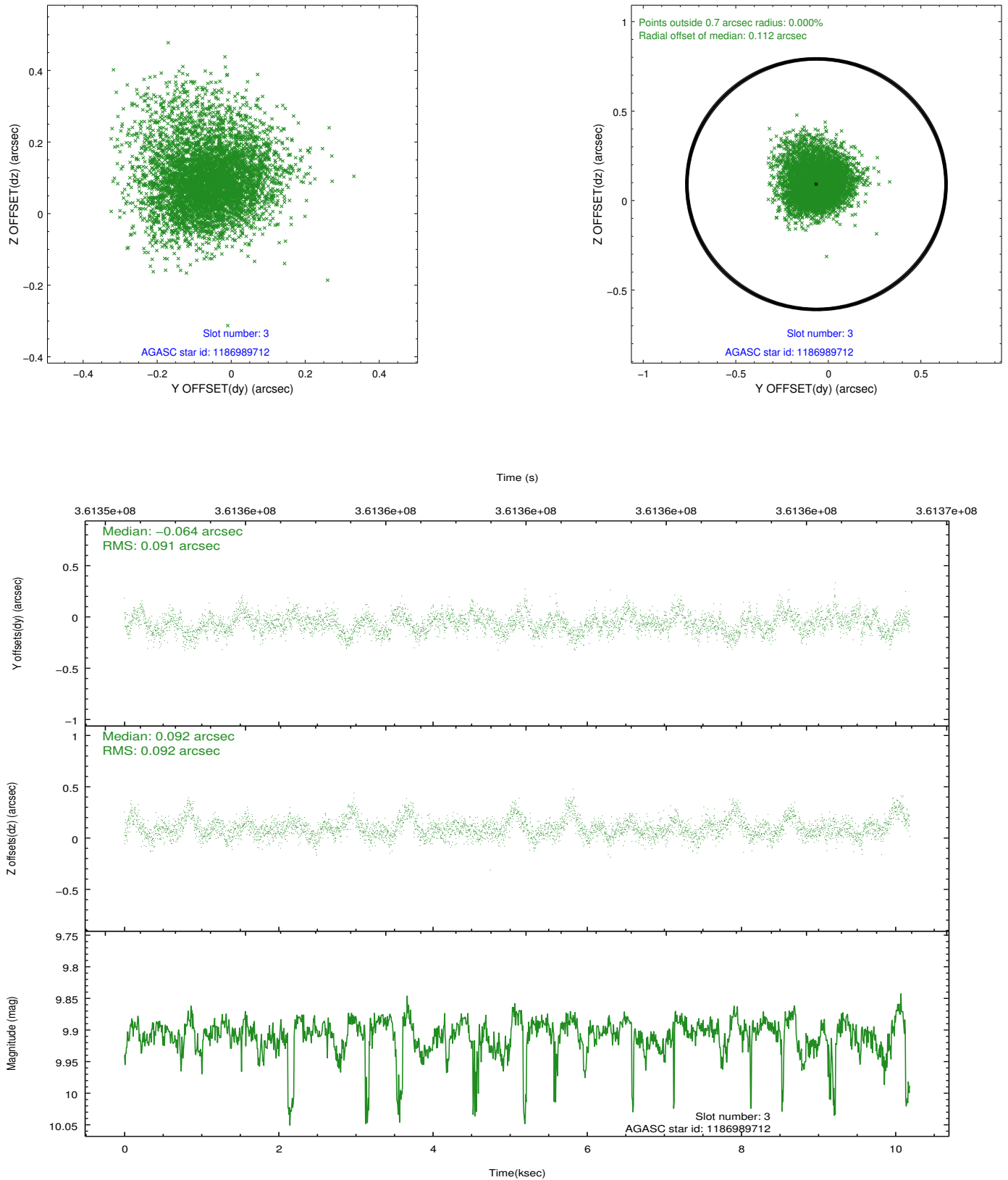


### Slot Statistics

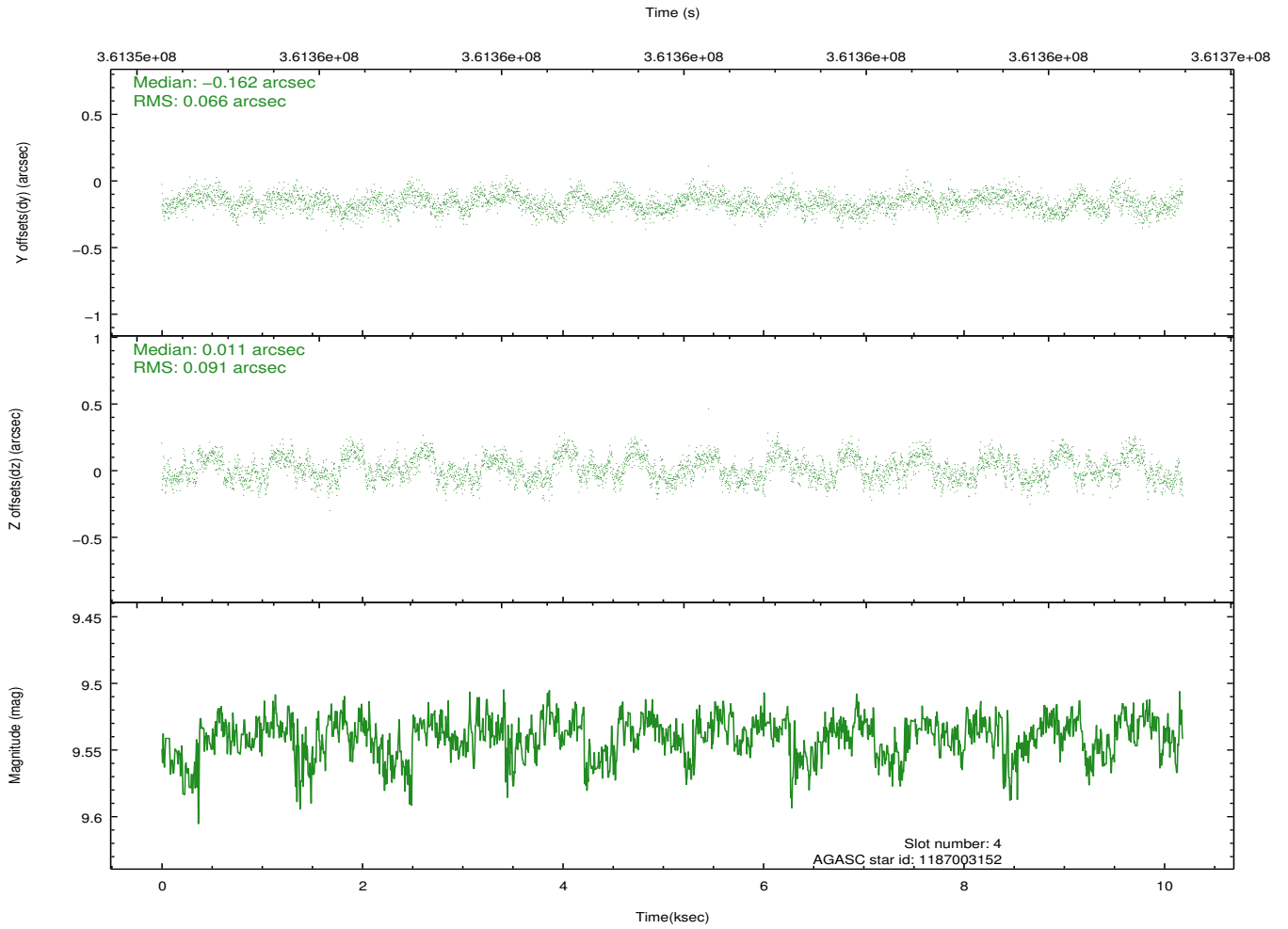
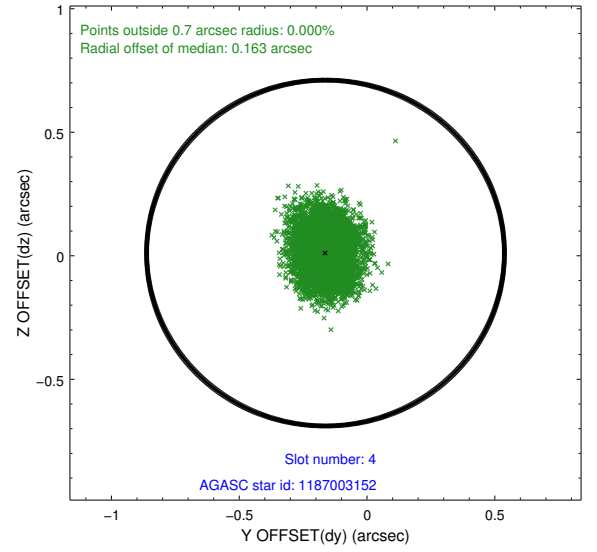
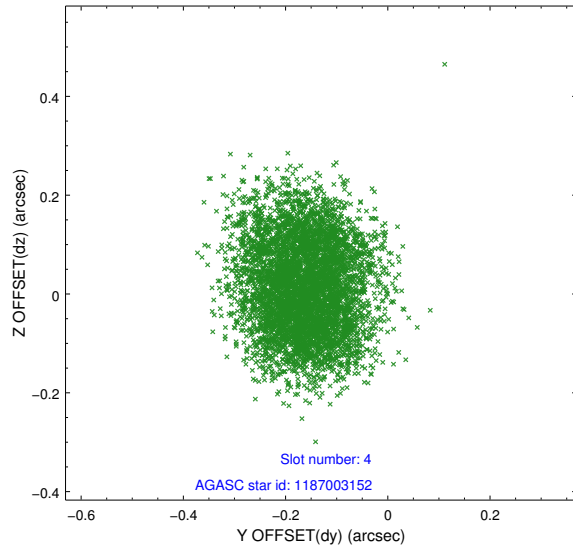
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2485	-0.101	-0.066	0.009	0.015	0.000000	0.000000	-767.29	-1737.90
1	FID	ACIS-S-4	6.98	2485	0.115	0.050	0.007	0.011	0.000000	0.000000	2146.01	170.10
2	FID	ACIS-S-6	7.11	2485	-0.042	0.023	0.008	0.012	0.000000	0.000000	395.47	808.10
3	GUIDE	1186989712	9.91	4937	-0.064	0.092	0.136	0.233	260.610549	-62.324547	2189.08	1991.87
4	GUIDE	1187003152	9.54	4943	-0.162	0.011	0.122	0.188	259.688405	-63.307332	930.23	-1645.42
5	GUIDE	1186999184	9.42	4963	0.084	-0.115	0.102	0.162	260.481291	-62.791729	2085.59	298.95
6	GUIDE	1187021264	9.83	4961	0.101	-0.052	0.148	0.247	257.667569	-63.254260	-2343.93	-1764.62
7	GUIDE	1187015888	10.08	4917	0.042	0.070	0.147	0.233	257.825503	-62.822896	-2257.54	-193.08

## 2.4 Star Slots

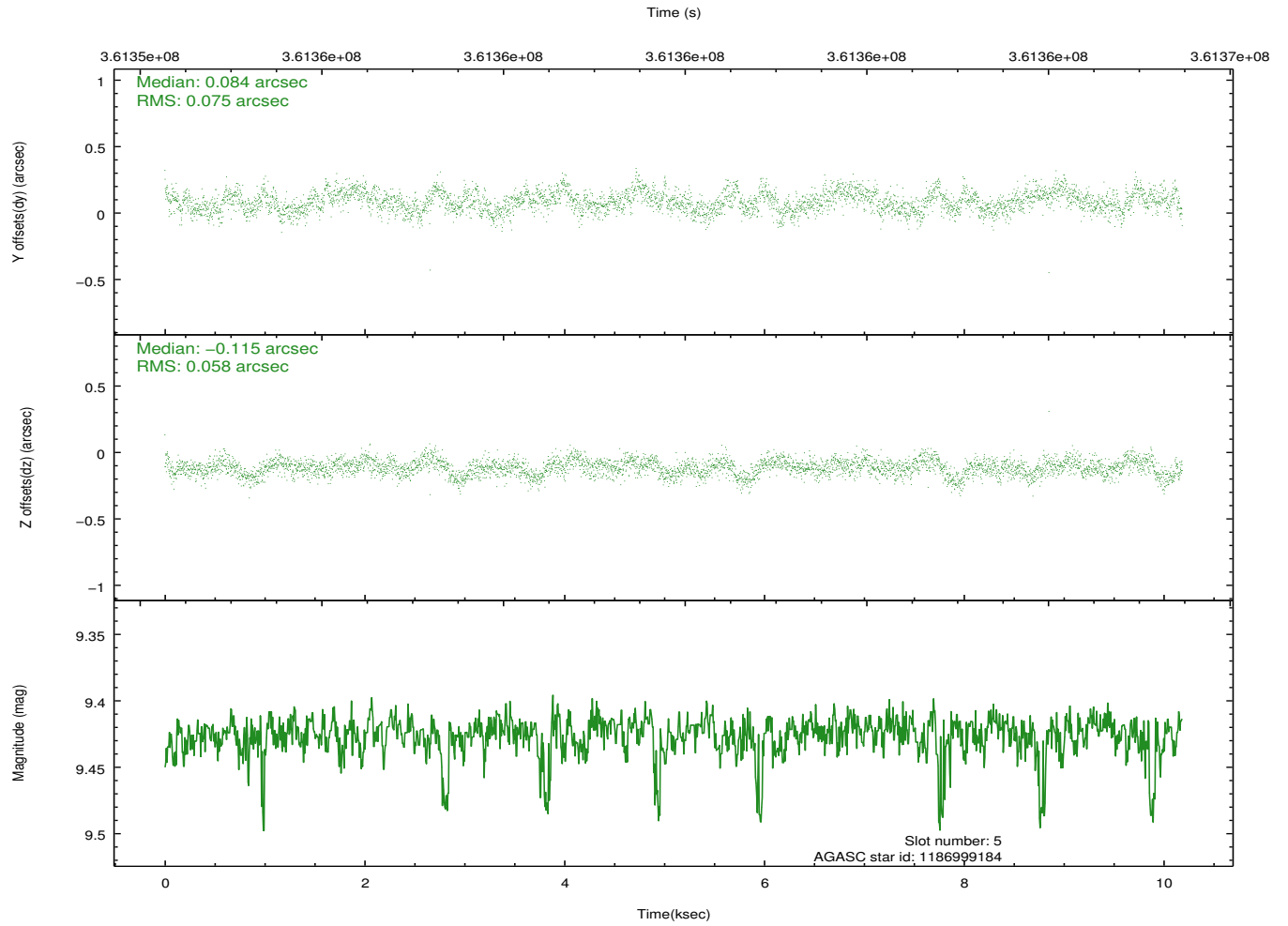
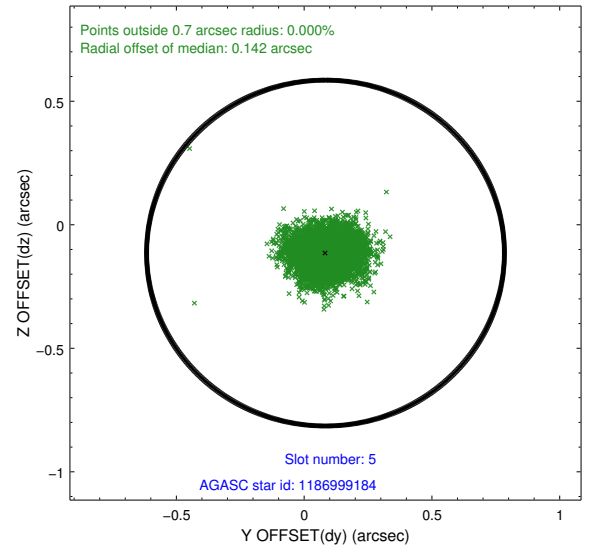
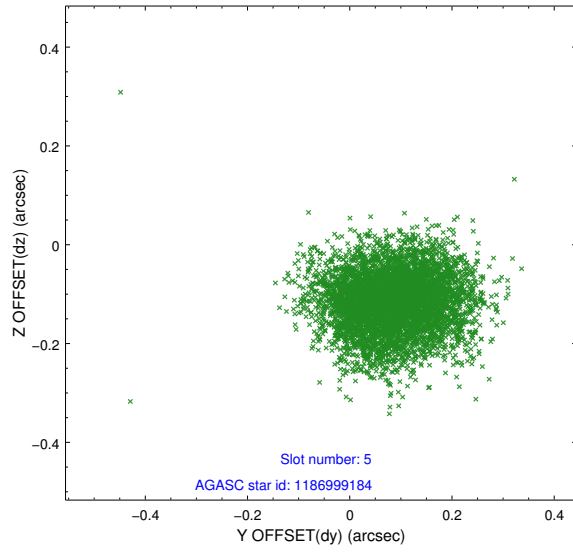
### 2.4.1 Slot 3



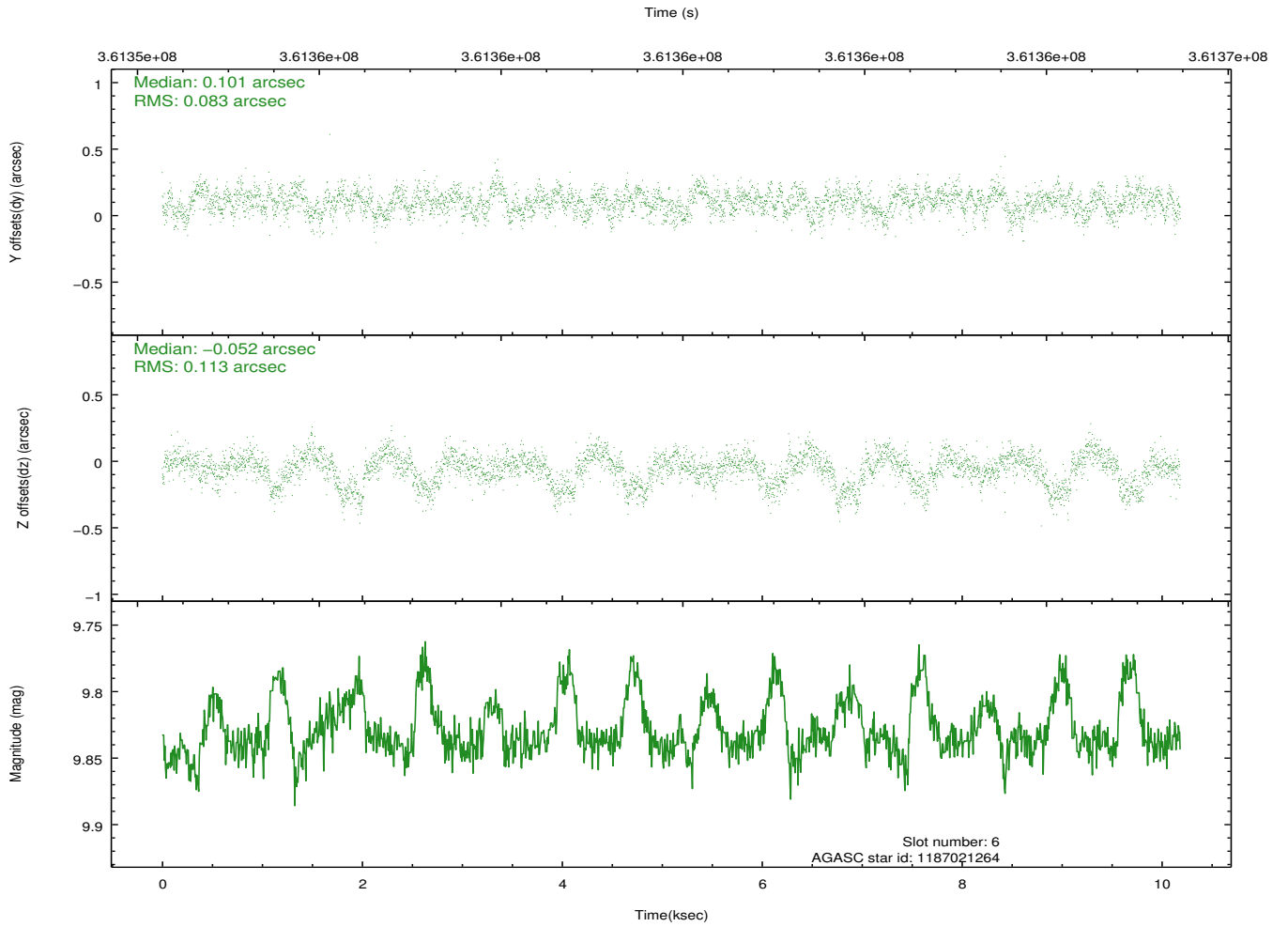
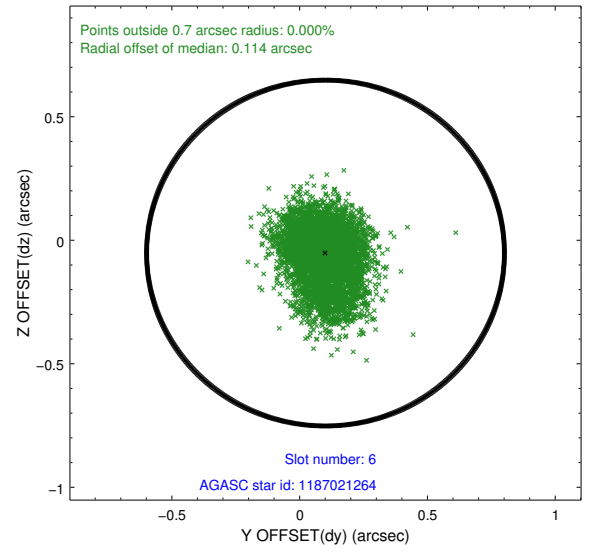
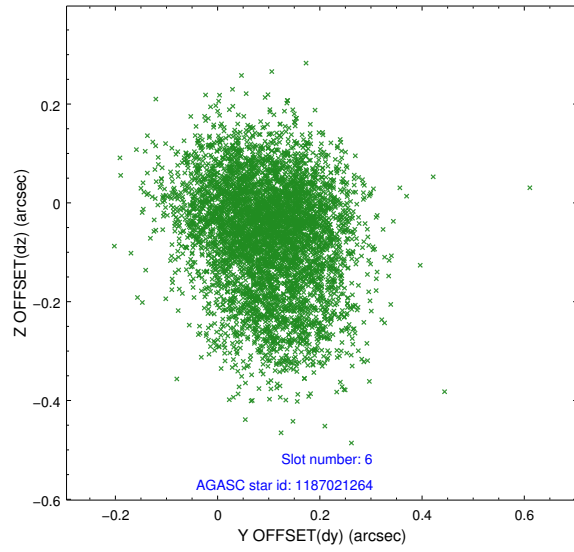
## 2.4.2 Slot 4



### 2.4.3 Slot 5

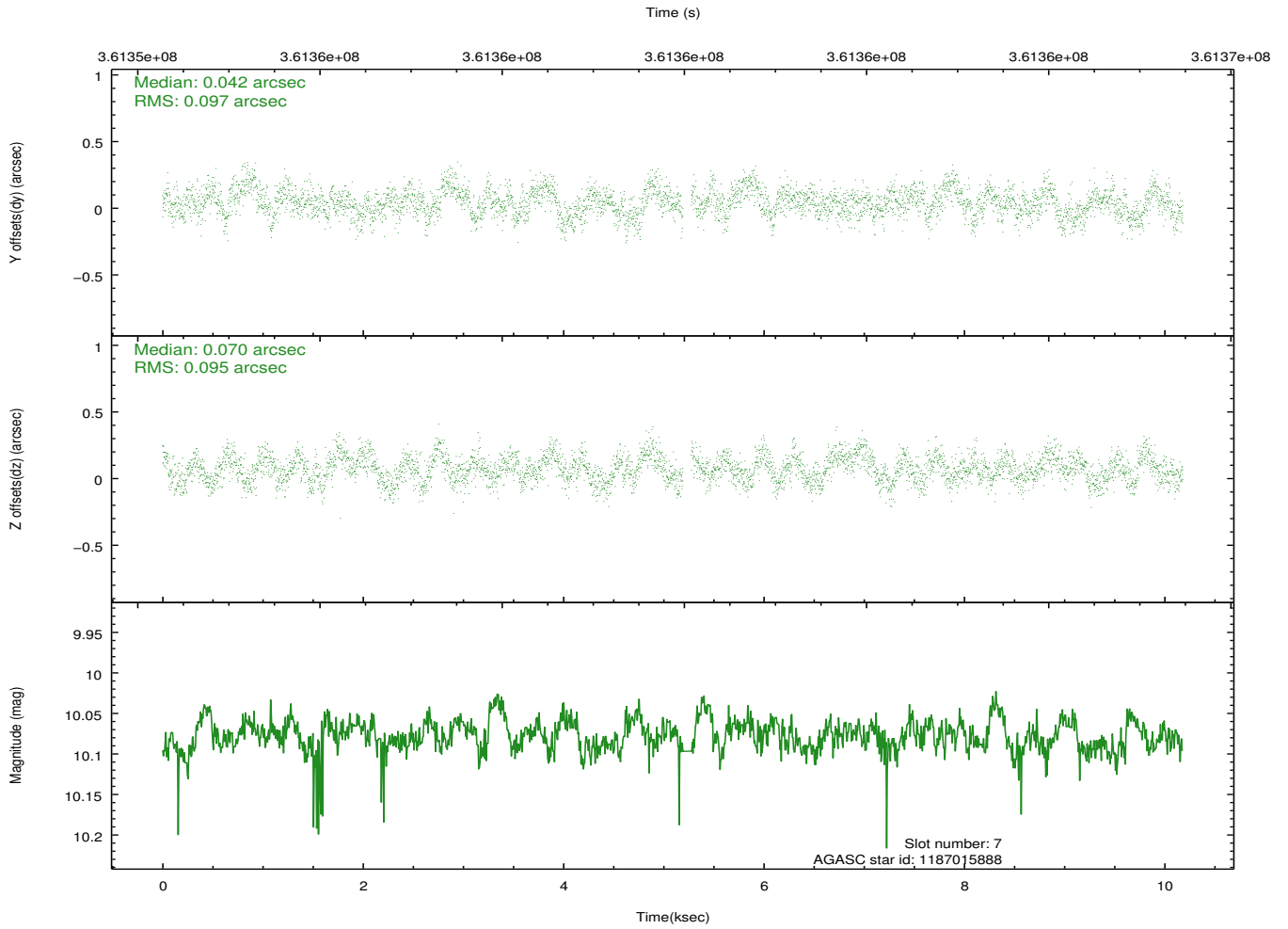
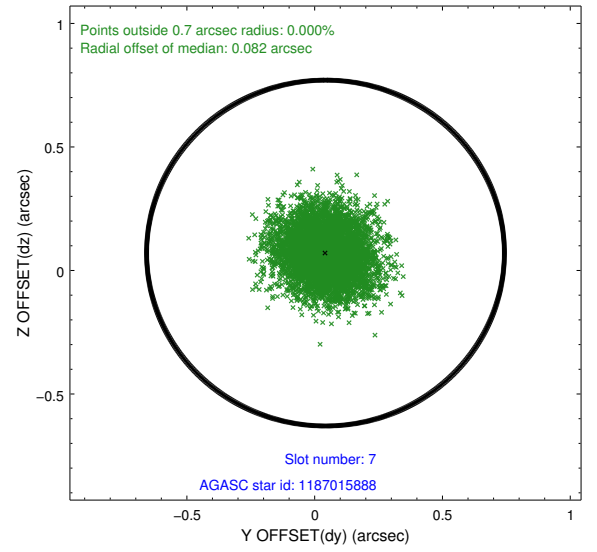
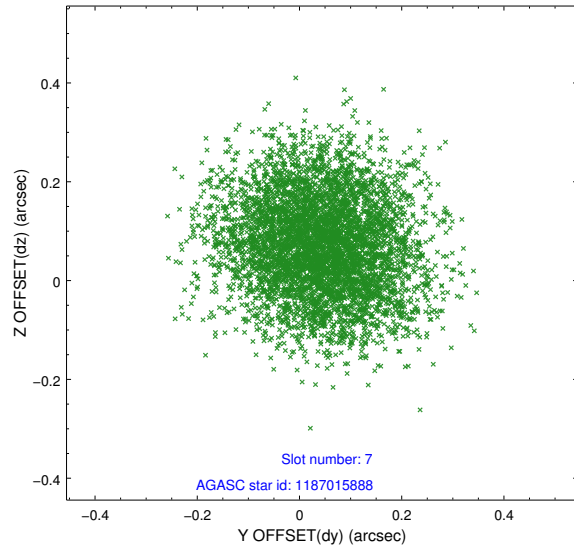


## 2.4.4 Slot 6



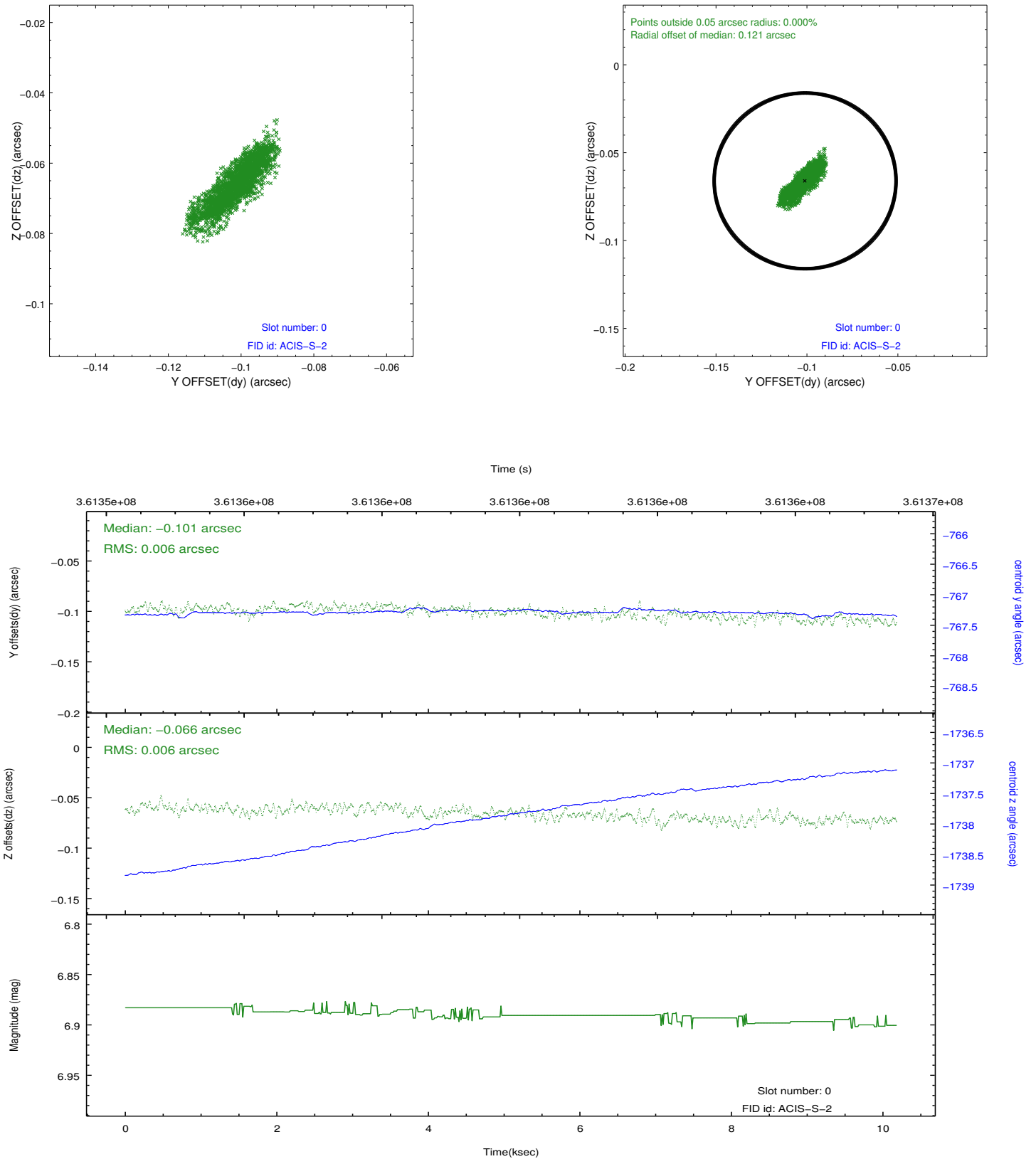


## 2.4.5 Slot 7

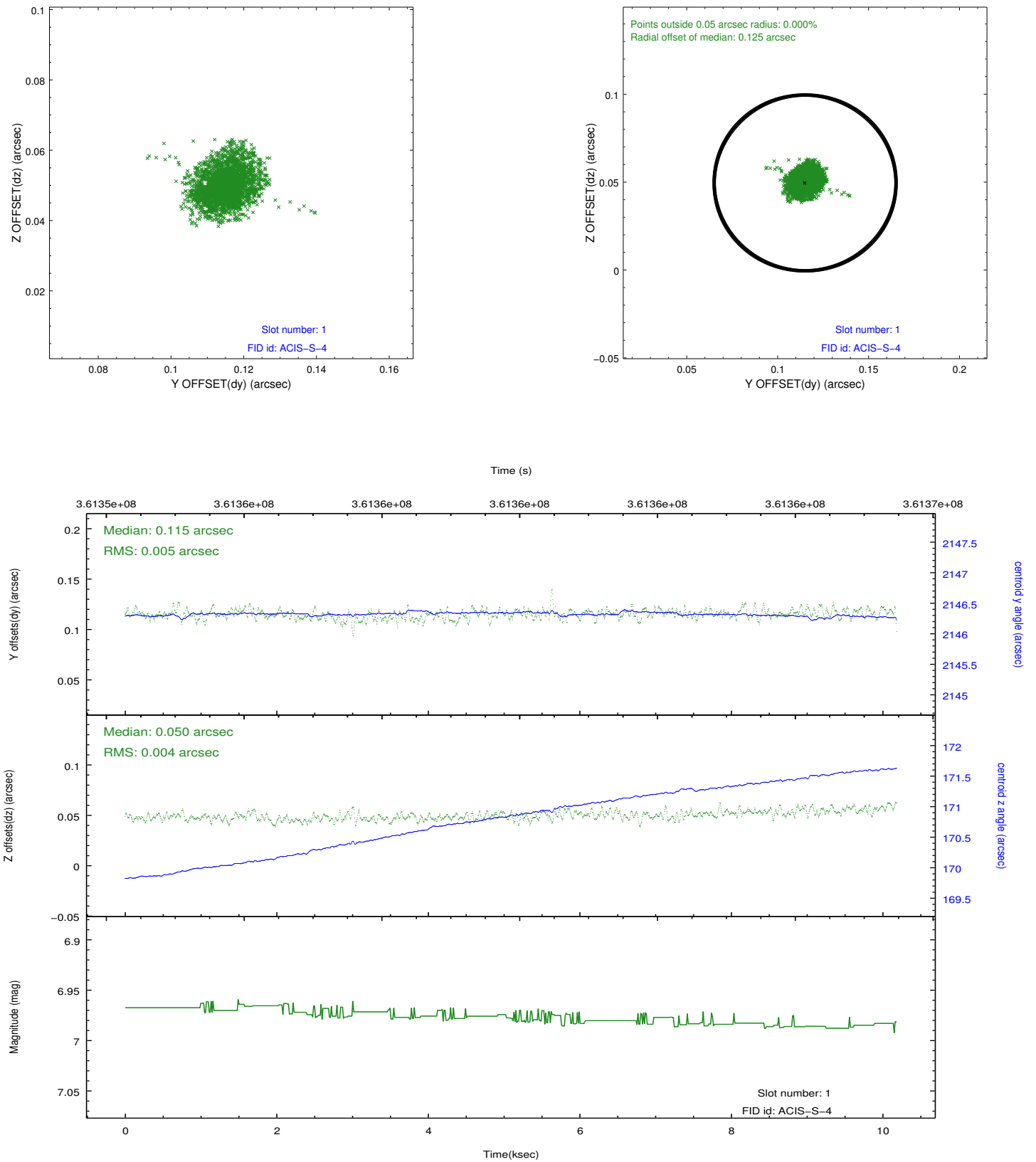


## 2.5 FID Slots

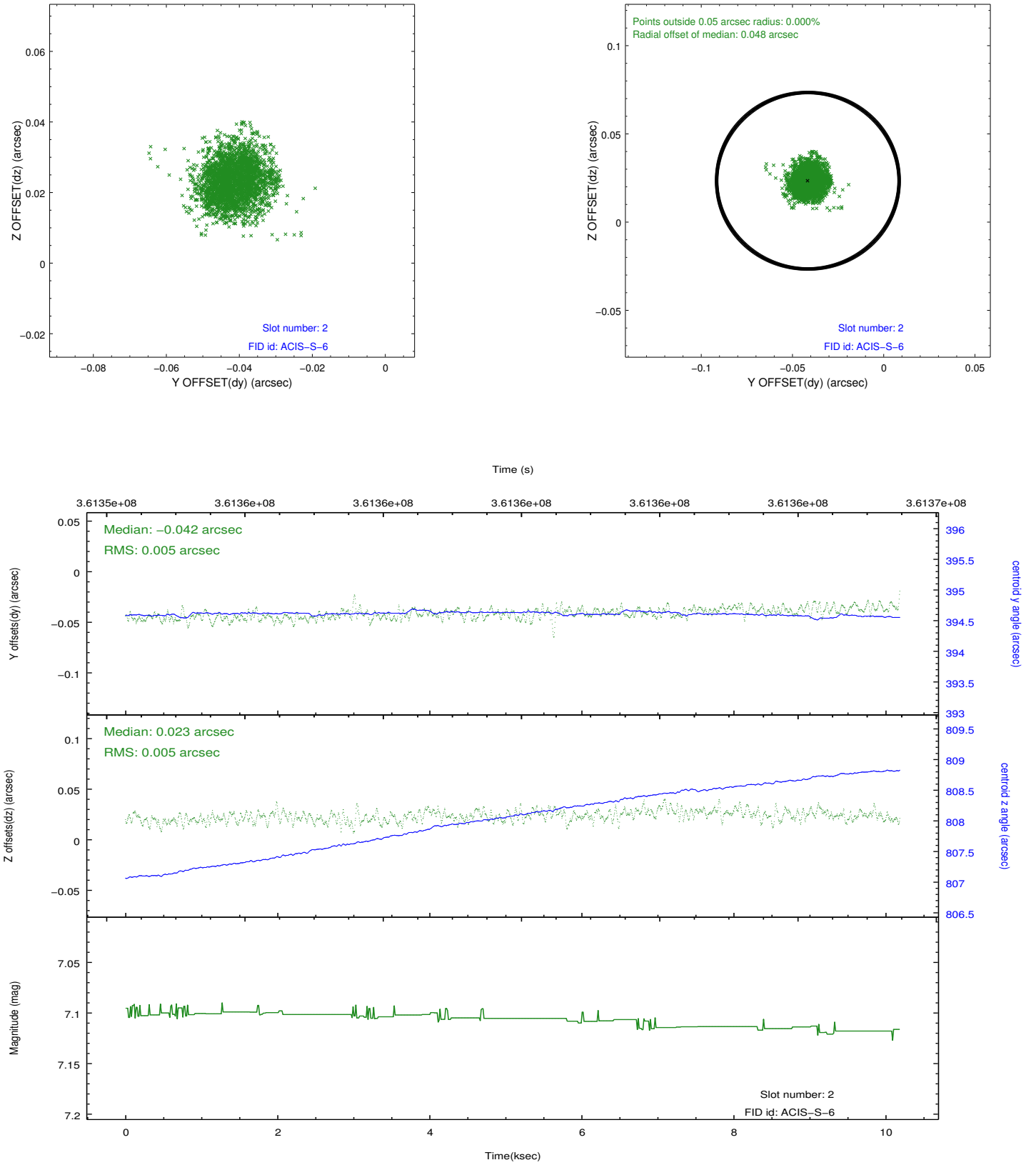
### 2.5.1 Slot 0



## 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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.183

### A.2 Comments

Monitor constraint met, follows obs10292 by 3 days.