

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9319 - L2 Version 2  
Chandra X-Ray Center

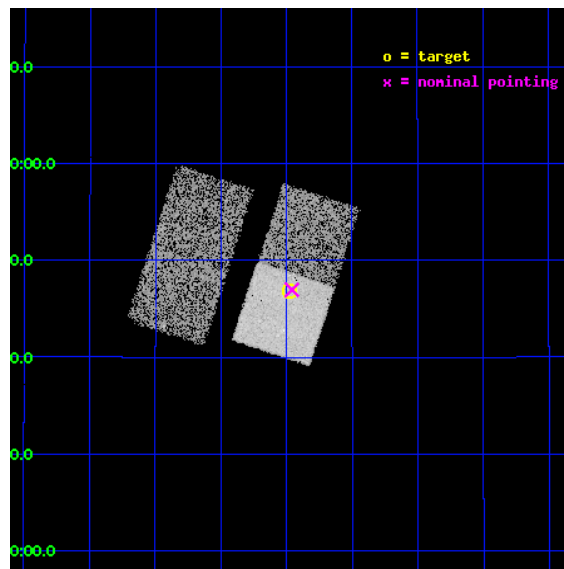
L2 Processing Date : May 16 2012

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# 1 Front

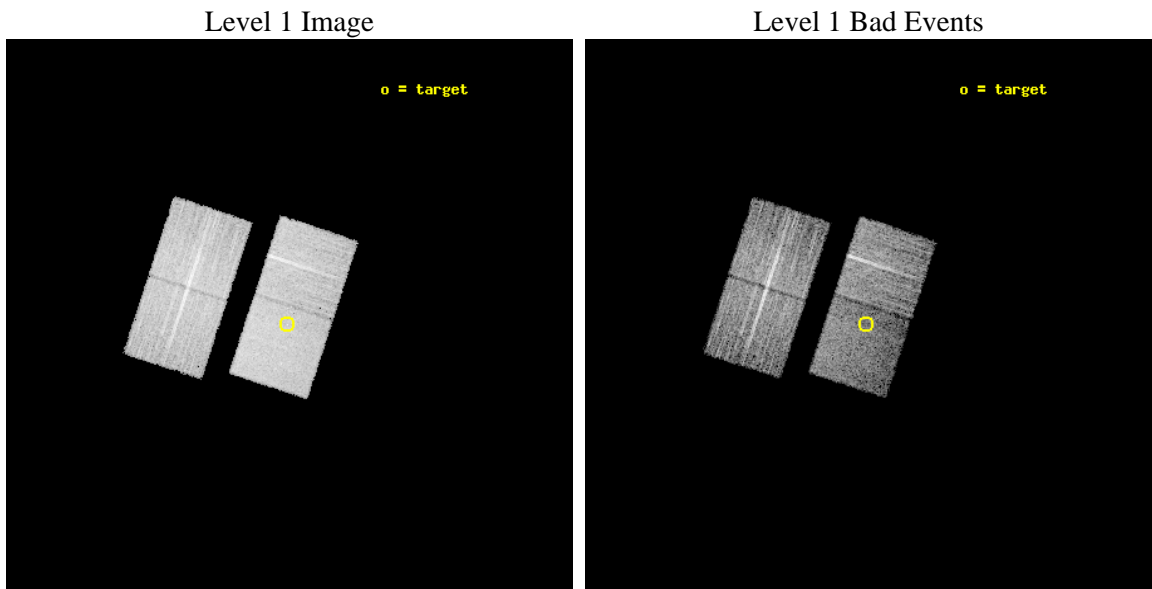
seq_num	701759	Sequence number
obs_id	9319	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C460	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.36875	Observer's specified target RA [deg]
dec_targ	23.779861	Observer's specified target Dec [deg]
ra_nom	350.36467856293	Nominal RA [deg]
dec_nom	23.782926831182	Nominal Dec [deg]
roll_nom	108.19767258598	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8156.1000627279	Sum of GTIs [s]
livetime	8049.5346109749	Livetime [s]
ontime2	8152.9590724707	Sum of GTIs [s]
ontime3	8156.1000627279	Sum of GTIs [s]
ontime6	8156.1000627279	Sum of GTIs [s]
ontime7	8156.1000627279	Sum of GTIs [s]
l2events	48150	Number of level 2 events



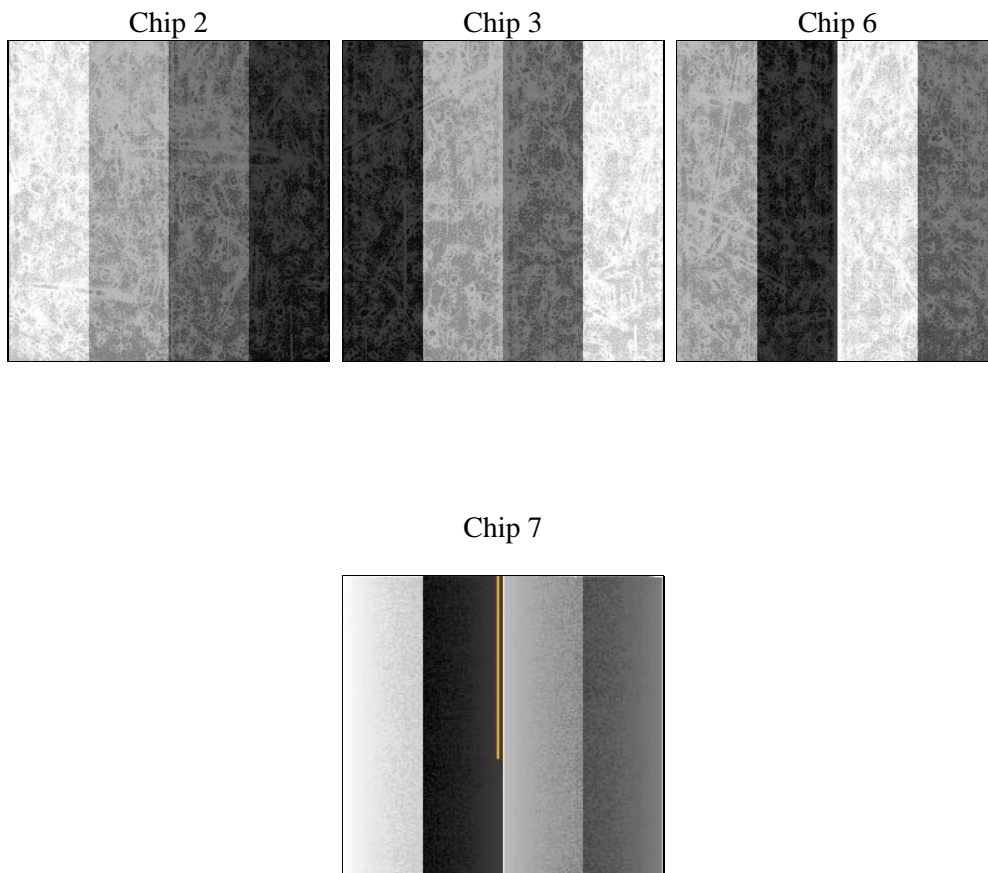
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8156.1000627279	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	8152.9590724707	Sum of GTIs [s]
date	2012-05-16T03:06:46	Date and time of file creation	ontime3	8156.1000627279	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8156.1000627279	Sum of GTIs [s]
			ontime7	8156.1000627279	Sum of GTIs [s]
			l1events	283928	Number of level 1 events

### 2.1.4 Events

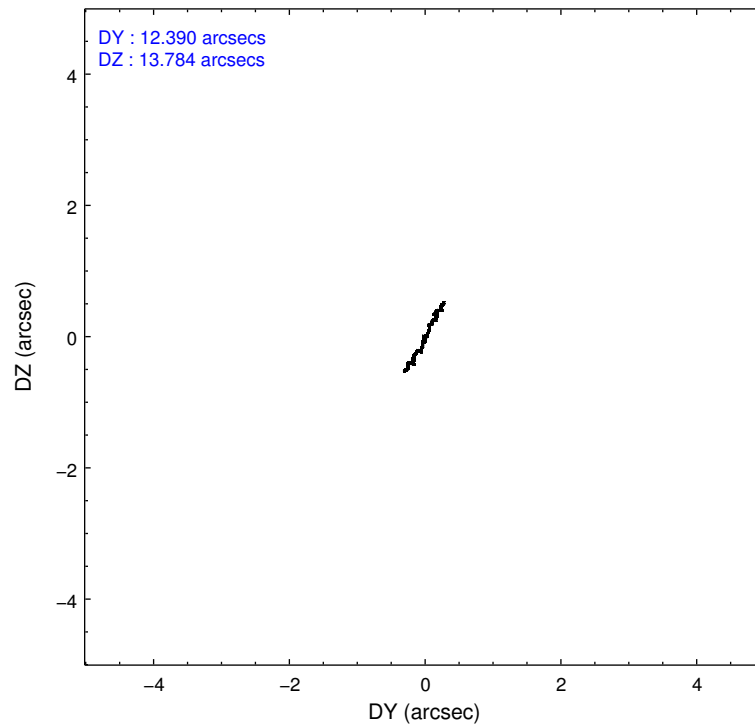
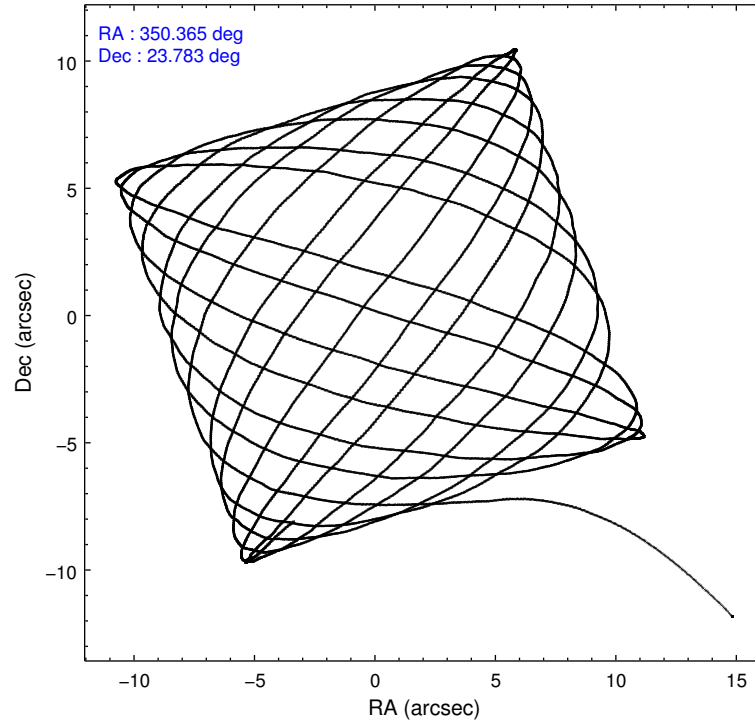
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	72521	65104	68431	77872
rejected events	66186	59129	61734	44969
rejected %	91%	90%	90%	57%

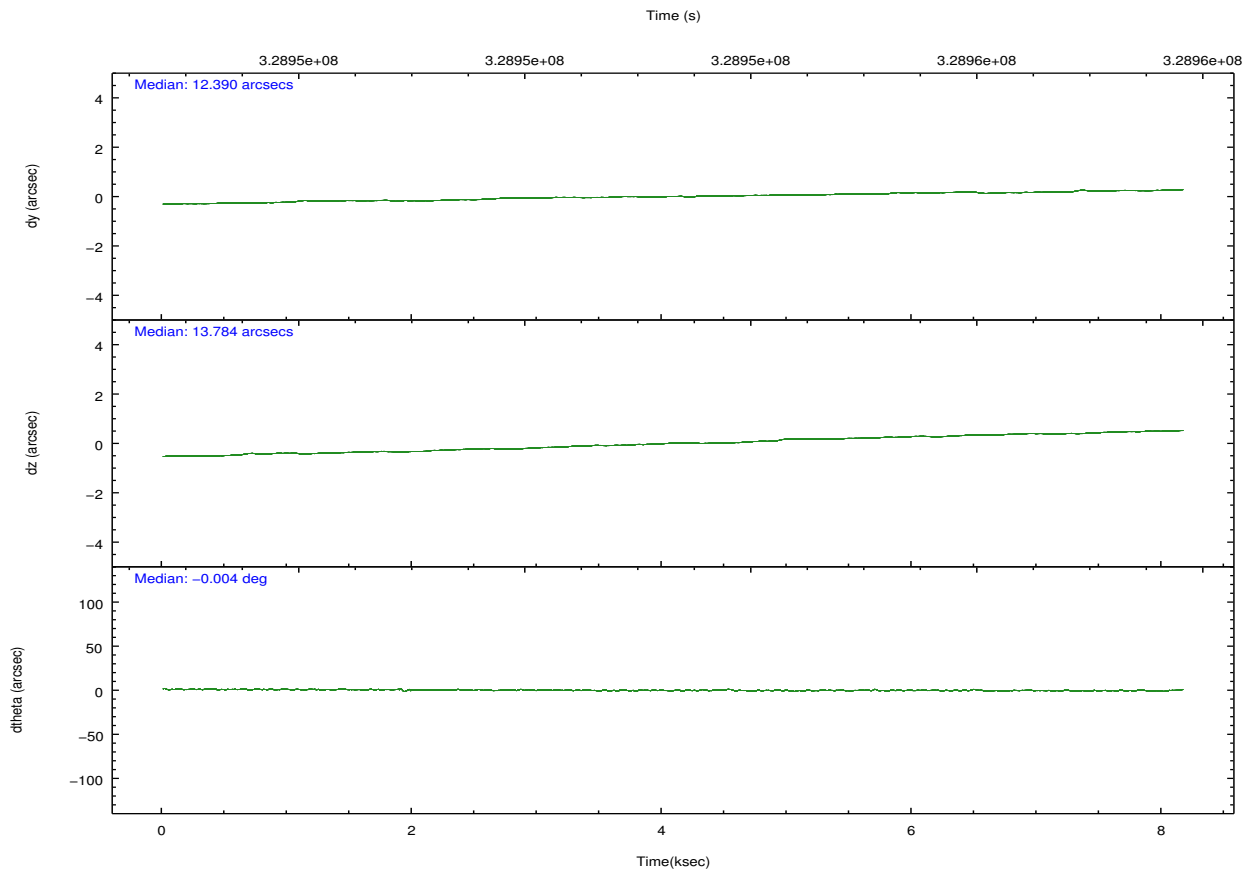
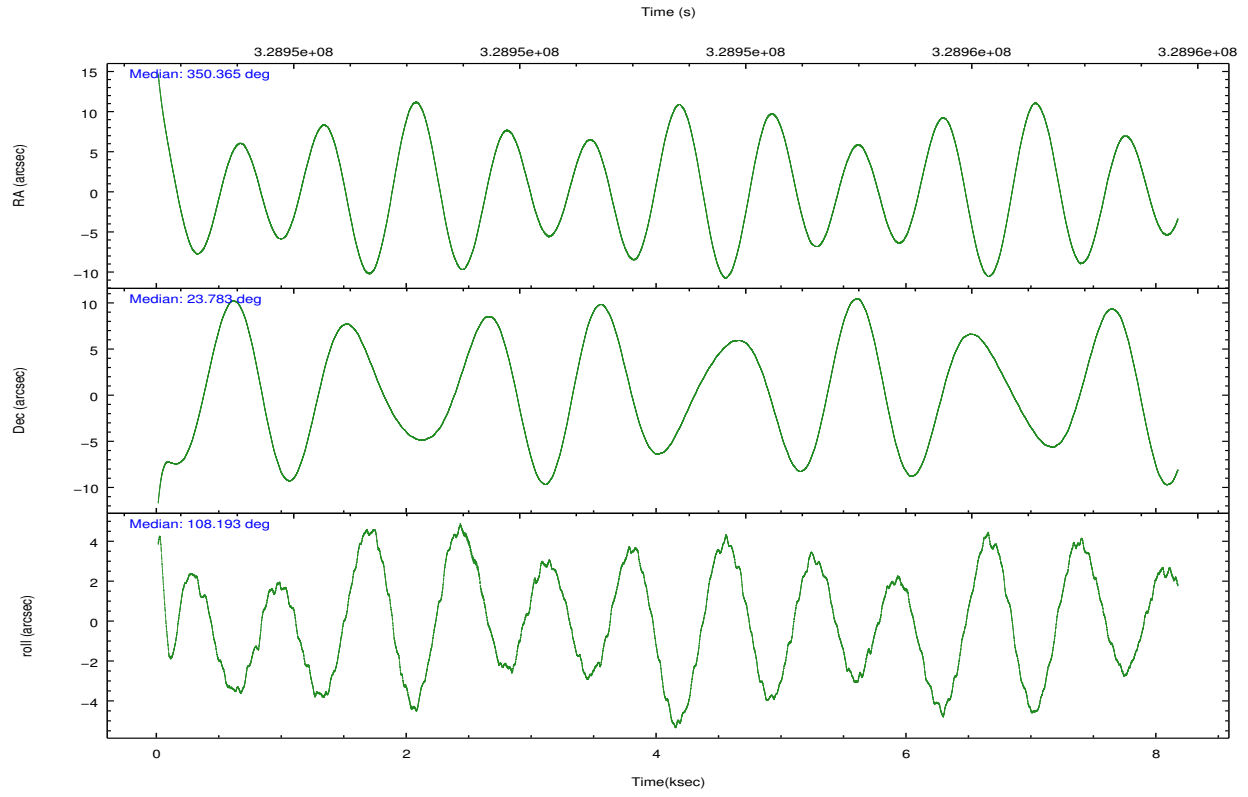
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2393	2176	2481	3270
	3%	3%	3%	4%
grade 1 events	20	35	27	90
	0%	0%	0%	0%
grade 2 events	1649	1522	1589	7136
	2%	2%	2%	9%
grade 3 events	702	718	791	3225
	0%	1%	1%	4%
grade 4 events	739	699	751	3287
	1%	1%	1%	4%
grade 5 events	2287	2837	2822	8326
	3%	4%	4%	10%
grade 6 events	1267	1277	1564	18358
	1%	1%	2%	23%
grade 7 events	63464	55840	58406	34180
	87%	85%	85%	43%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	350.387239	350.3646785629276	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.765039	23.78292683118156	Alternating exposures requested	N	N
[deg] Pointing Roll	108.031939	108.1976725859814	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	328949393.184000	328948181.16769			
Observation start date	2008-06-04T06:48:48	2008-06-04T06:29:41			
[s] Observation end time (MET)	328957393.184000	328957821.29316			
Observation end date	2008-06-04T09:02:08	2008-06-04T09:10:21			
Read mode	TIMED	TIMED			

## 2.3 Aspect



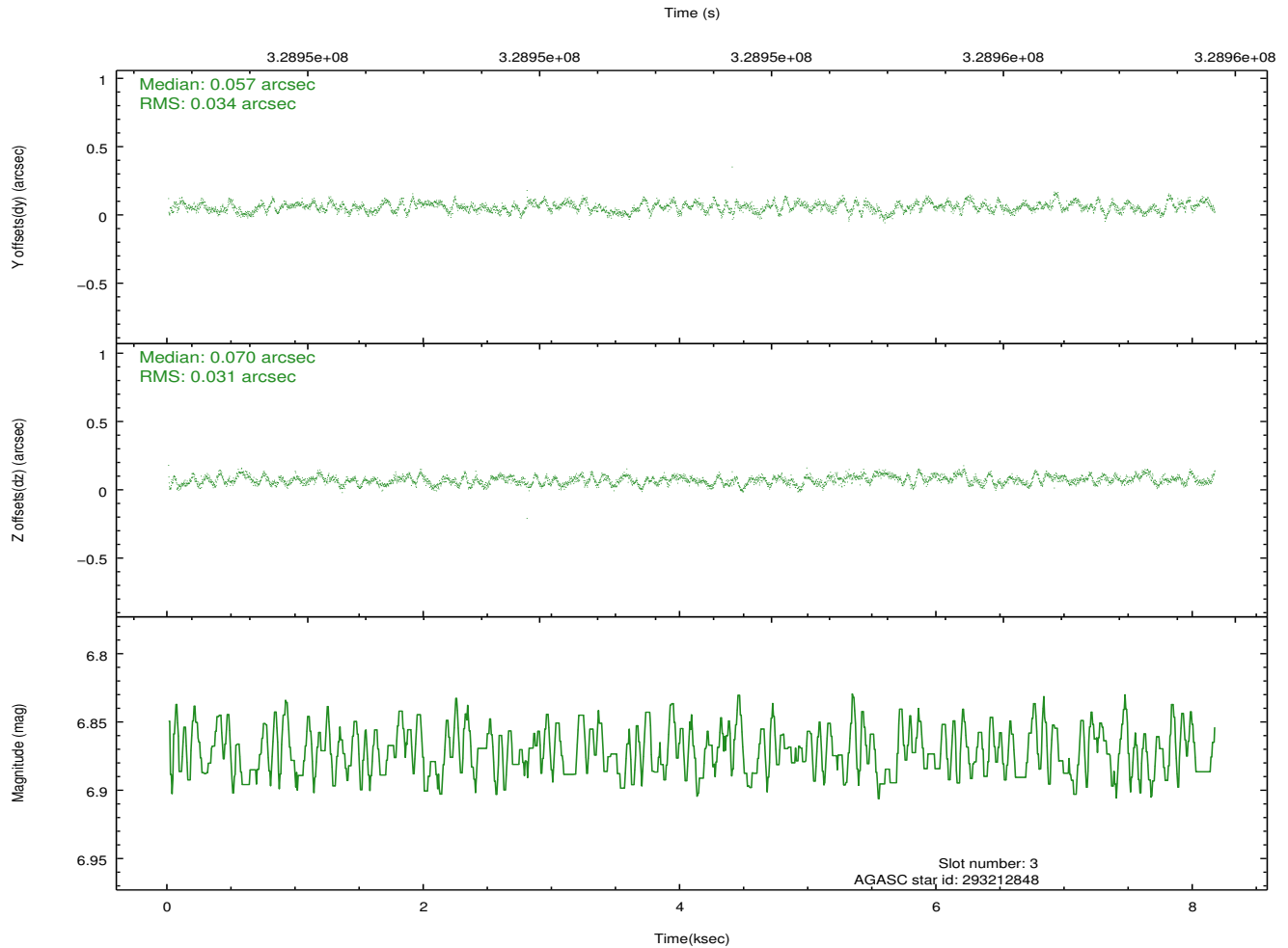
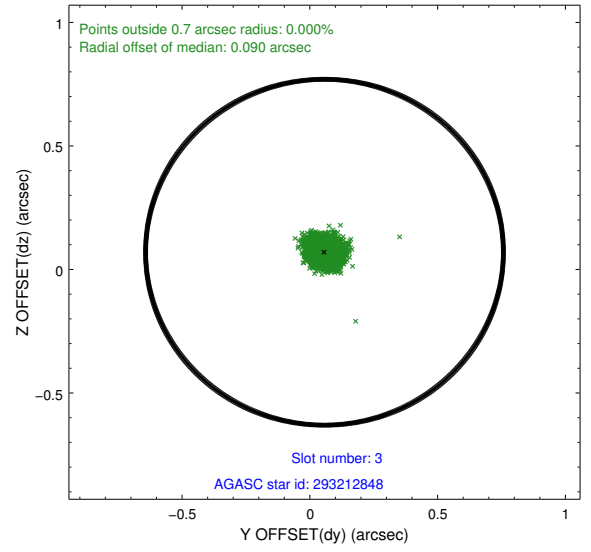
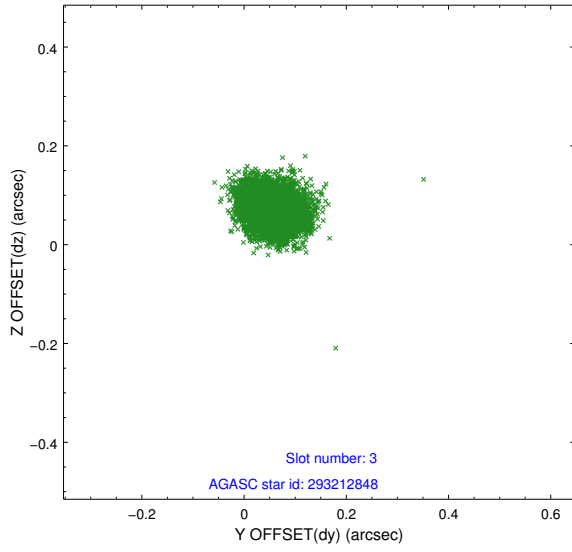


### Slot Statistics

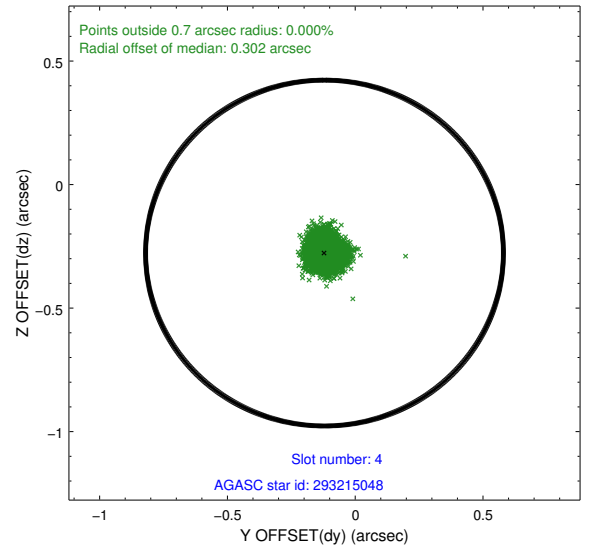
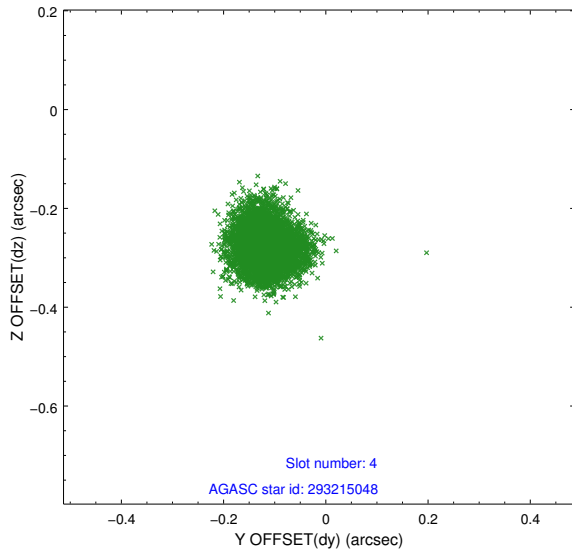
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1991	-0.050	-0.017	0.010	0.017	0.000000	0.000000	-765.33	-1735.09
1	FID	ACIS-S-4	6.98	1991	0.081	0.020	0.009	0.016	0.000000	0.000000	2147.76	172.73
2	FID	ACIS-S-6	7.10	1991	-0.059	0.005	0.007	0.012	0.000000	0.000000	397.52	810.89
3	GUIDE	293212848	6.87	3983	0.057	0.070	0.050	0.077	351.079352	23.759909	-717.40	-2163.60
4	GUIDE	293215048	7.74	3980	-0.120	-0.277	0.059	0.091	349.922551	23.825255	681.90	1386.56
5	GUIDE	293215144	7.81	3982	-0.128	0.065	0.052	0.082	350.623786	24.101078	910.92	-1113.24
6	GUIDE	293215848	7.16	3982	0.064	-0.008	0.060	0.100	350.558454	23.551701	-904.36	-300.11
7	GUIDE	293220512	8.12	3982	0.123	0.148	0.060	0.095	351.194054	23.480296	-1791.65	-2218.57

## 2.4 Star Slots

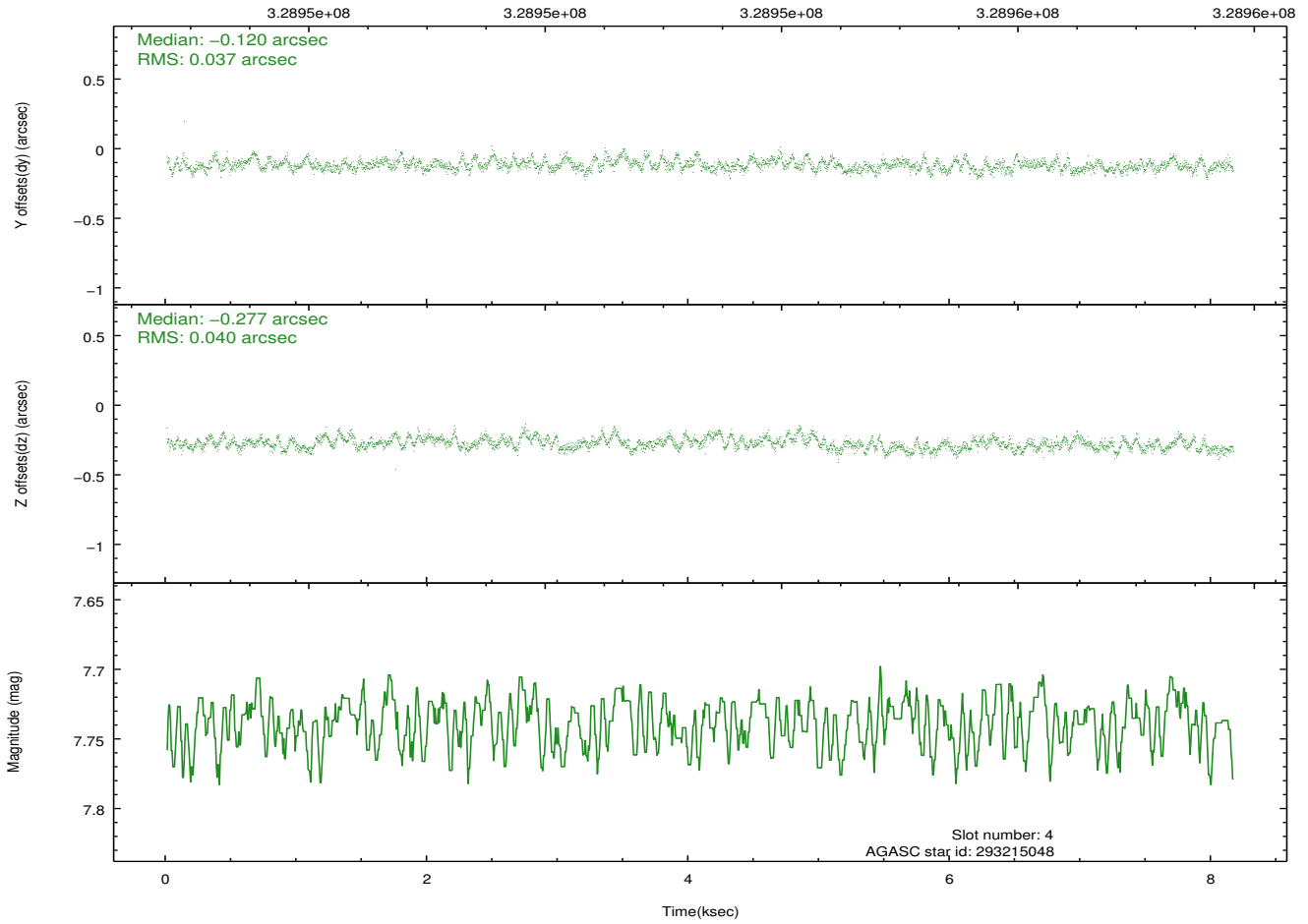
### 2.4.1 Slot 3



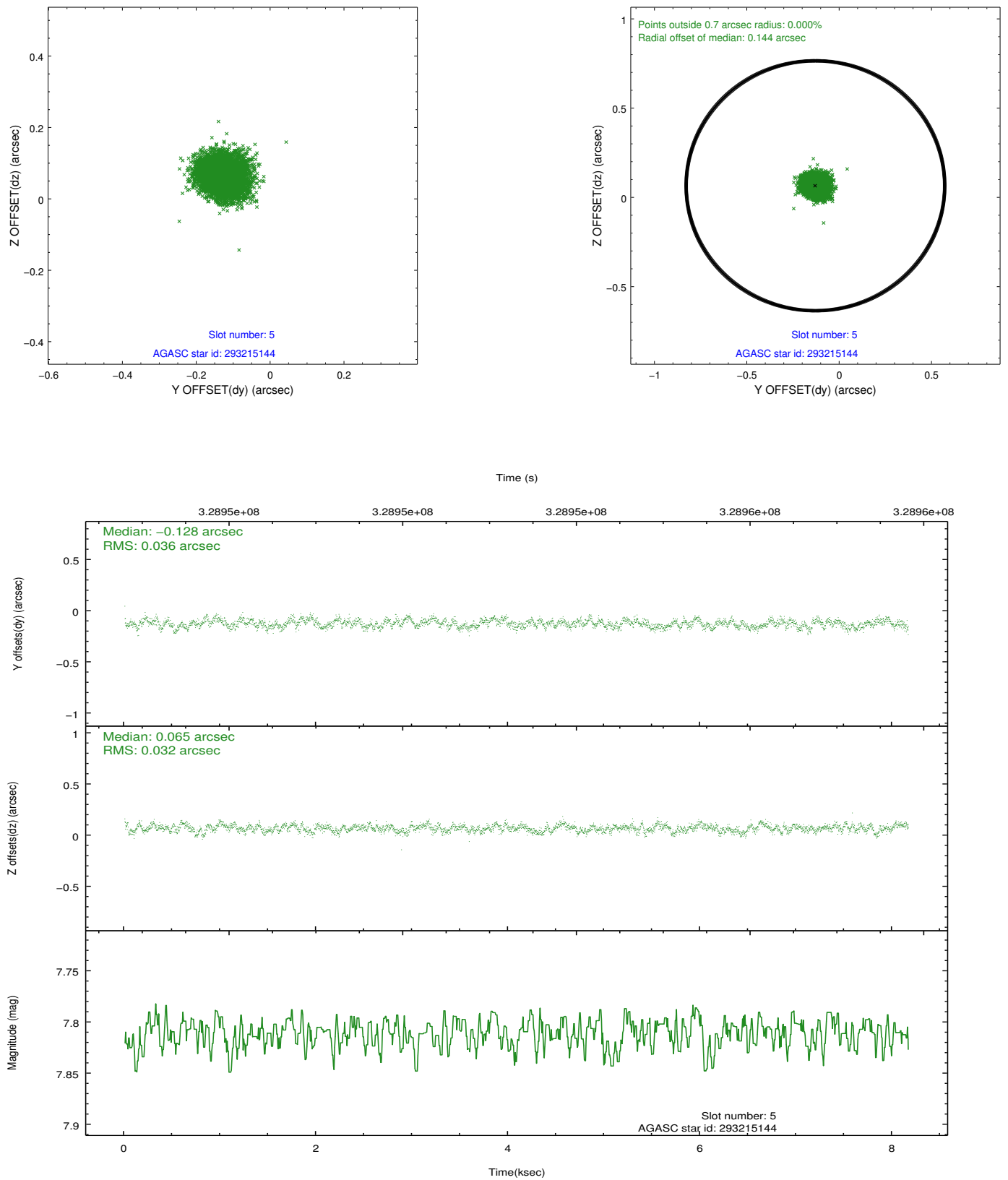
## 2.4.2 Slot 4



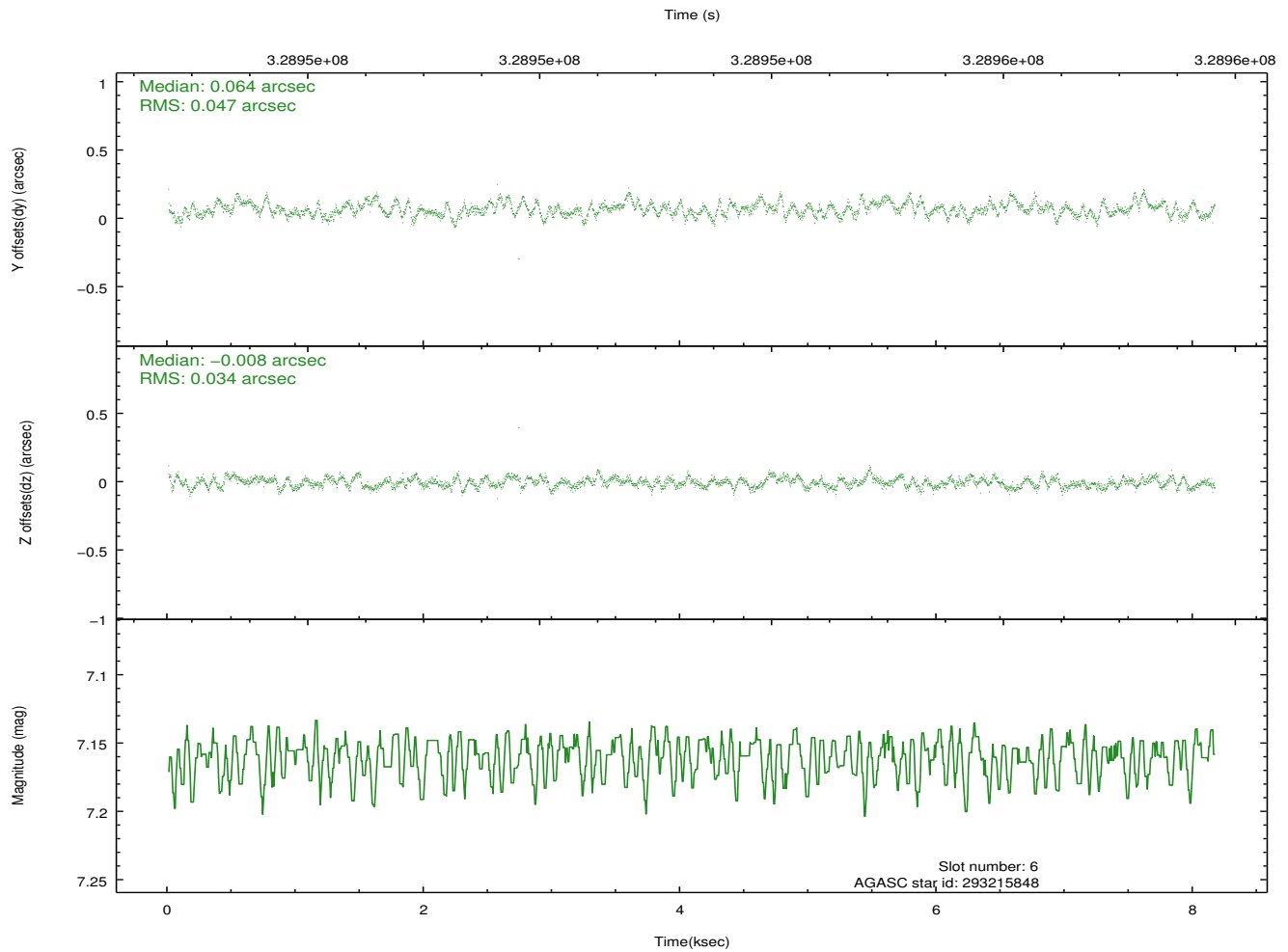
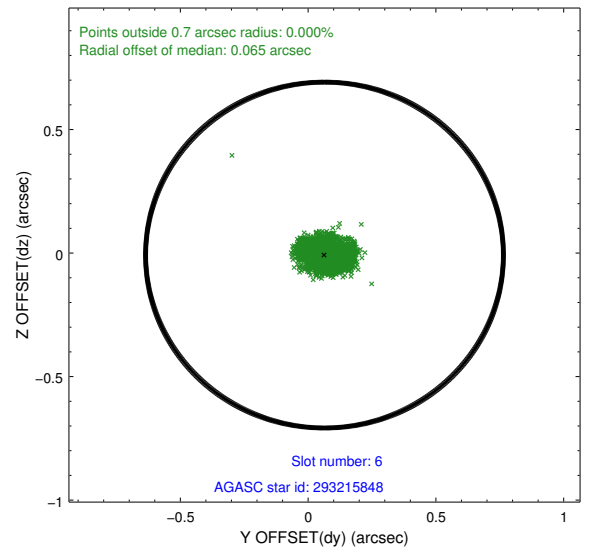
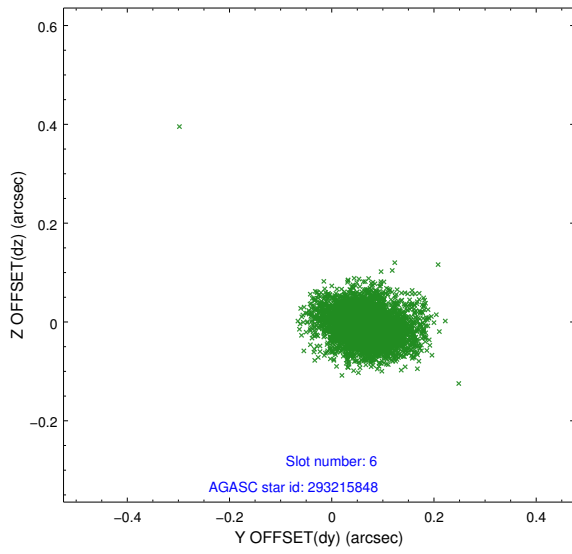
Time (s)



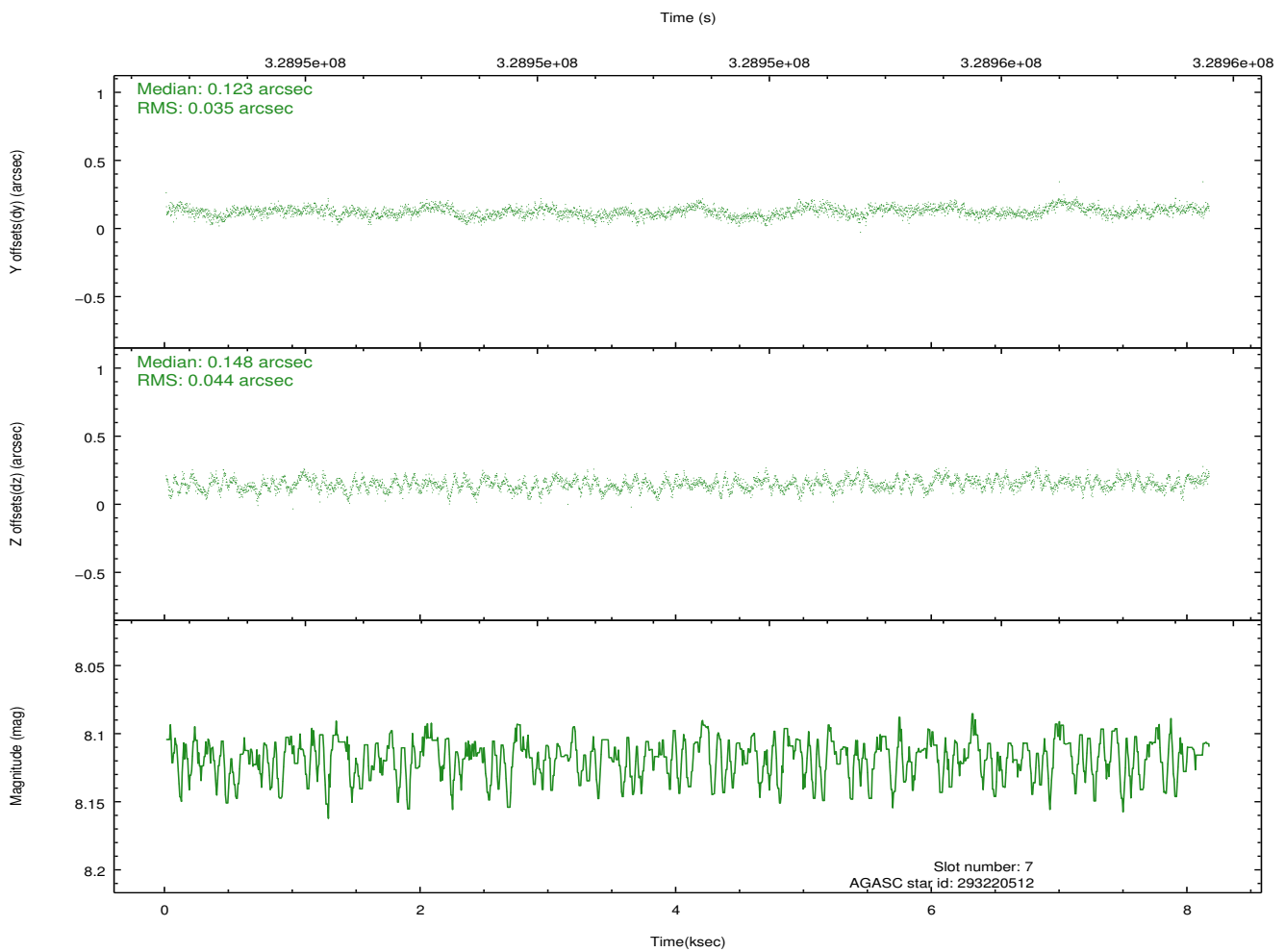
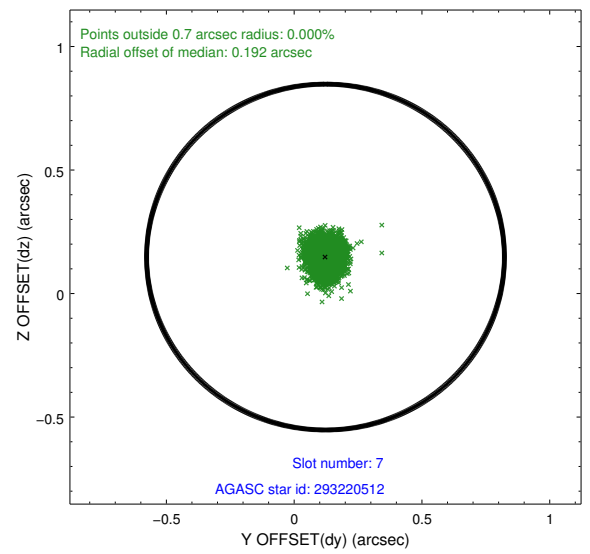
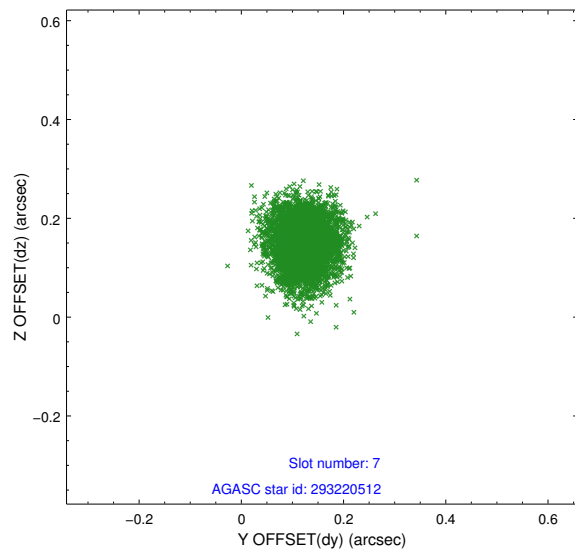
### 2.4.3 Slot 5



## 2.4.4 Slot 6

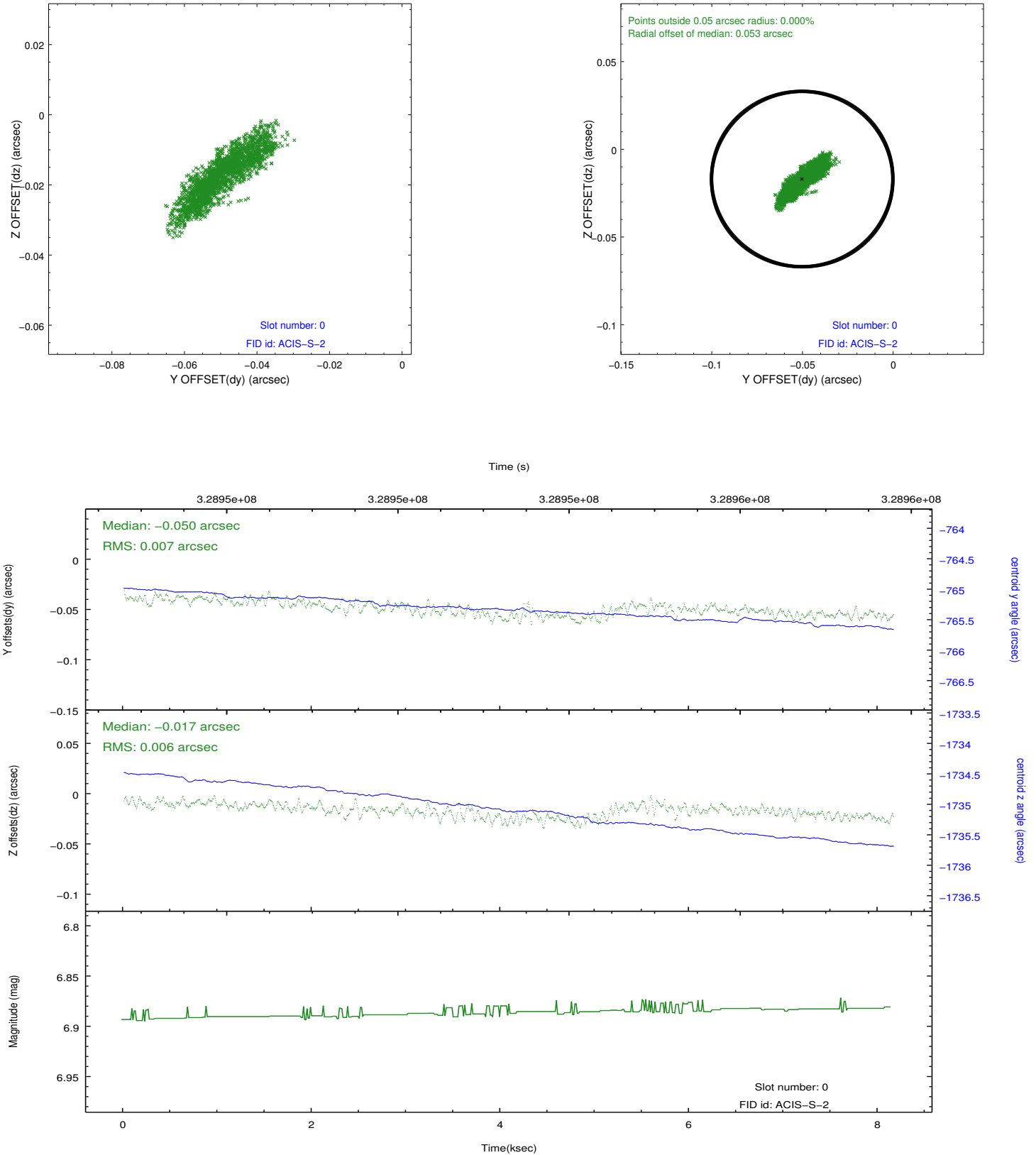


## 2.4.5 Slot 7

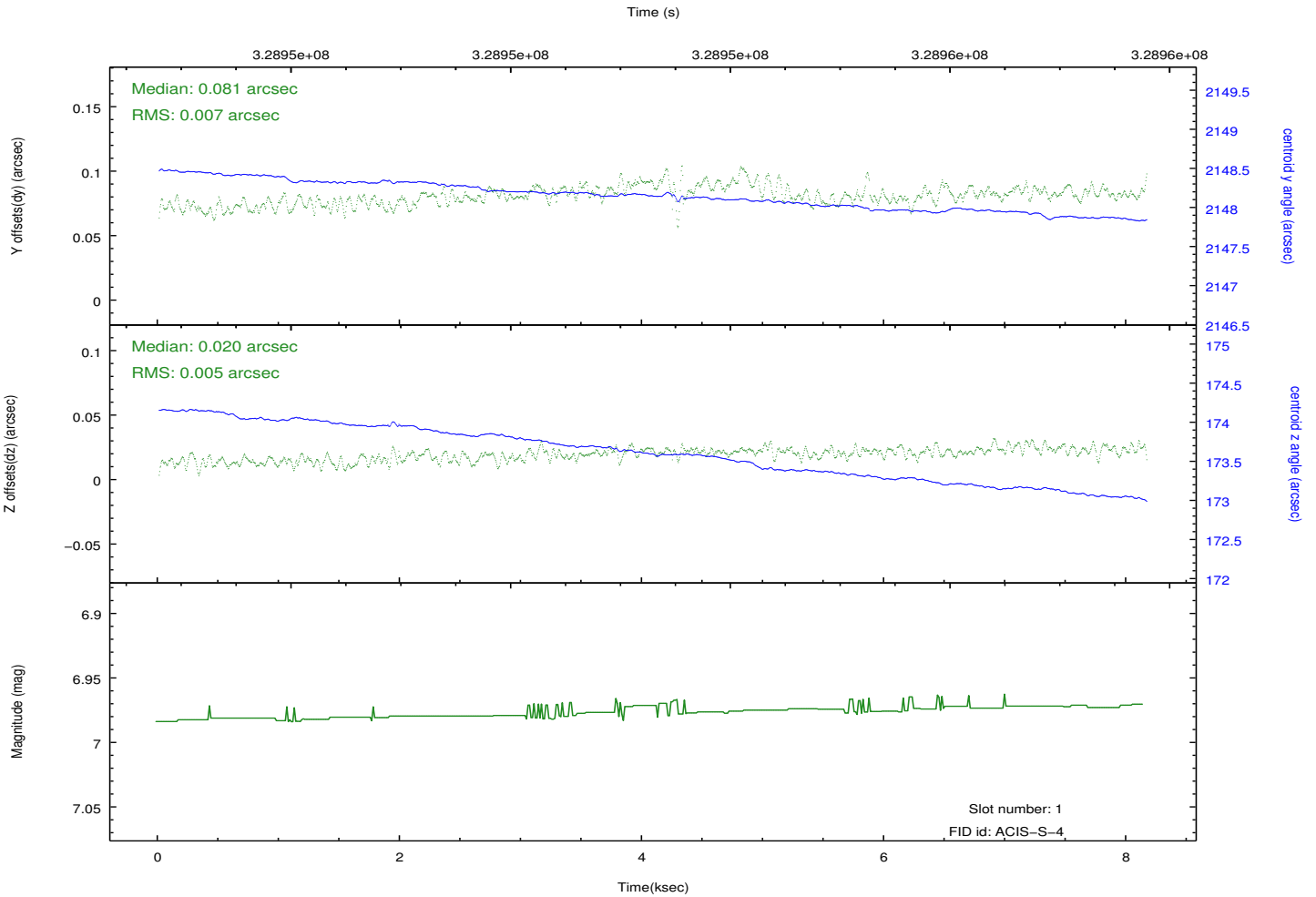
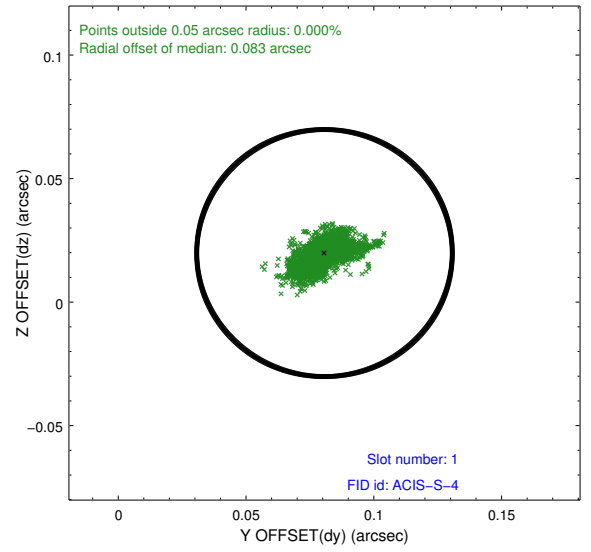
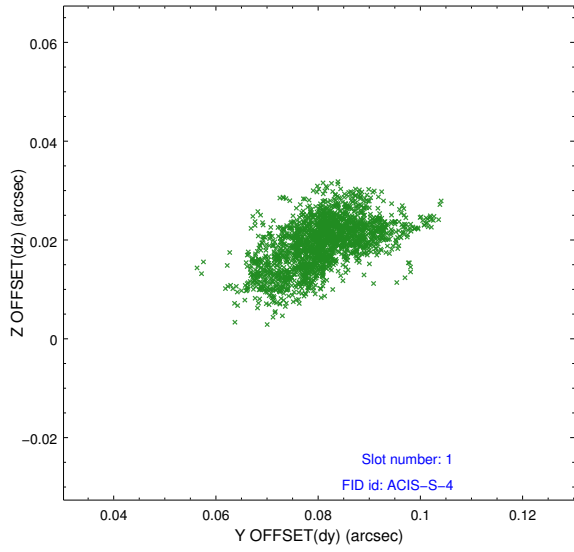


## 2.5 FID Slots

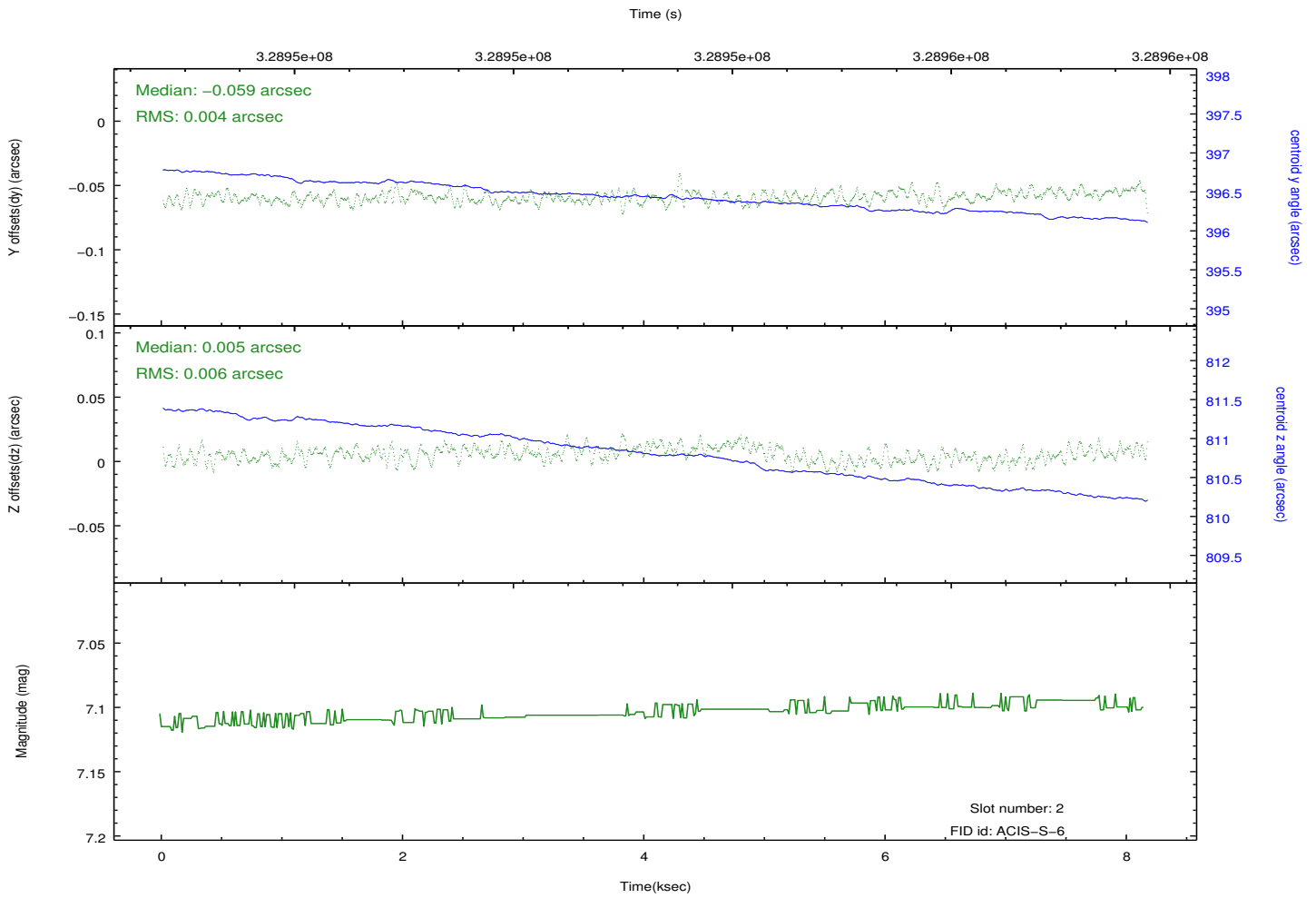
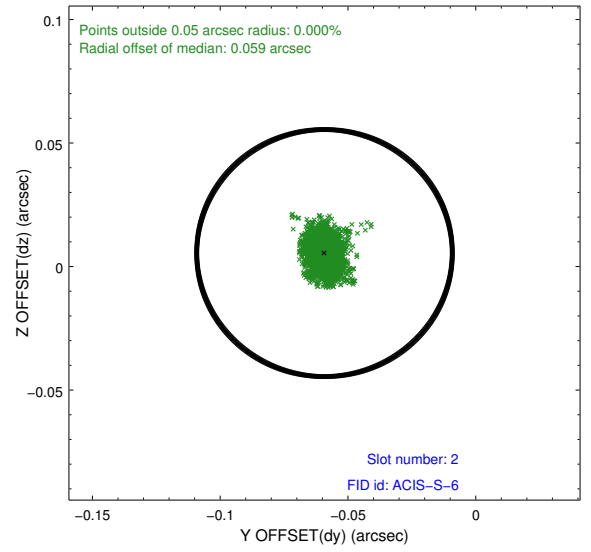
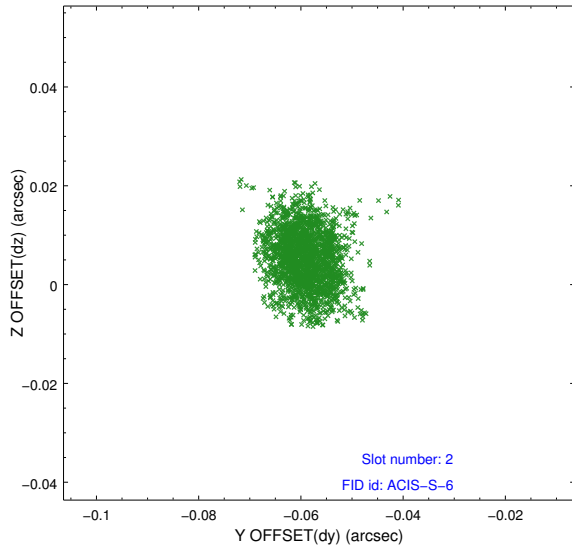
### 2.5.1 Slot 0



## 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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.15610006

## A.2 Comments