

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 14464 - L2 Version 1  
Chandra X-Ray Center

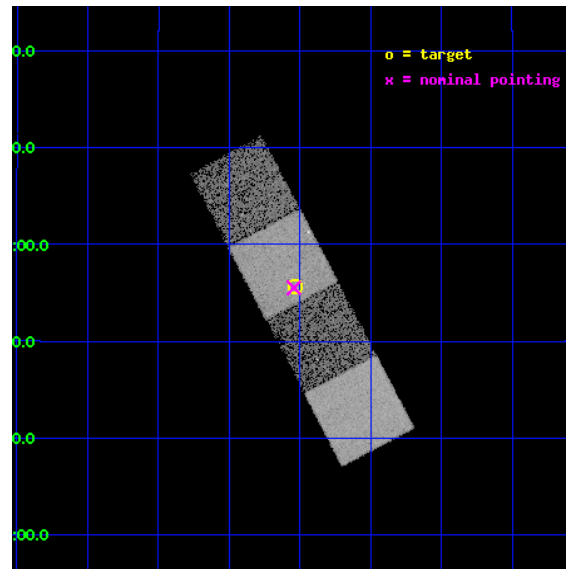
L2 Processing Date : Jun 30 2012

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# 1 Front

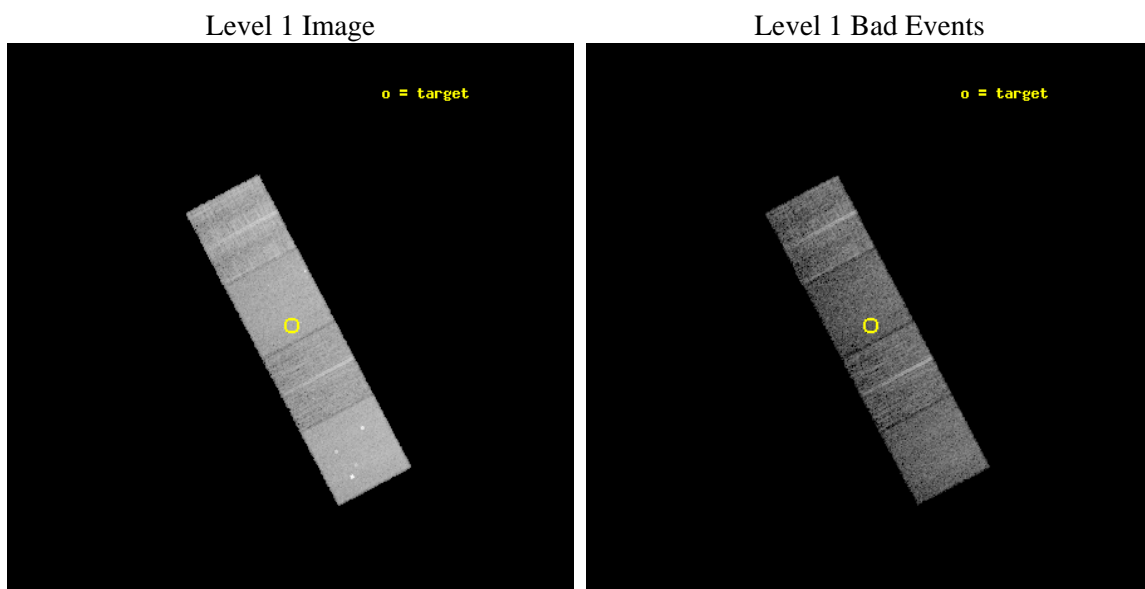
seq_num	501800	Sequence number
obs_id	14464	Observation id
title	Disclosing the position of the naked-eye-alike GRB120624B's afterglow	Proposal title
observer	Dr. Sergio Campana	Principal investigator
object	GRB 120624B	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.884167	Observer's specified target RA [deg]
dec_targ	8.928	Observer's specified target Dec [deg]
ra_nom	170.88569793027	Nominal RA [deg]
dec_nom	8.9254011792991	Nominal Dec [deg]
roll_nom	242.15639278571	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10068.800077438	Sum of GTIs [s]
livetime	9937.2437918838	Livetime [s]
ontime5	10068.800077438	Sum of GTIs [s]
ontime6	10068.800077438	Sum of GTIs [s]
ontime7	10068.800077438	Sum of GTIs [s]
ontime8	10068.800077438	Sum of GTIs [s]
l2events	91664	Number of level 2 events



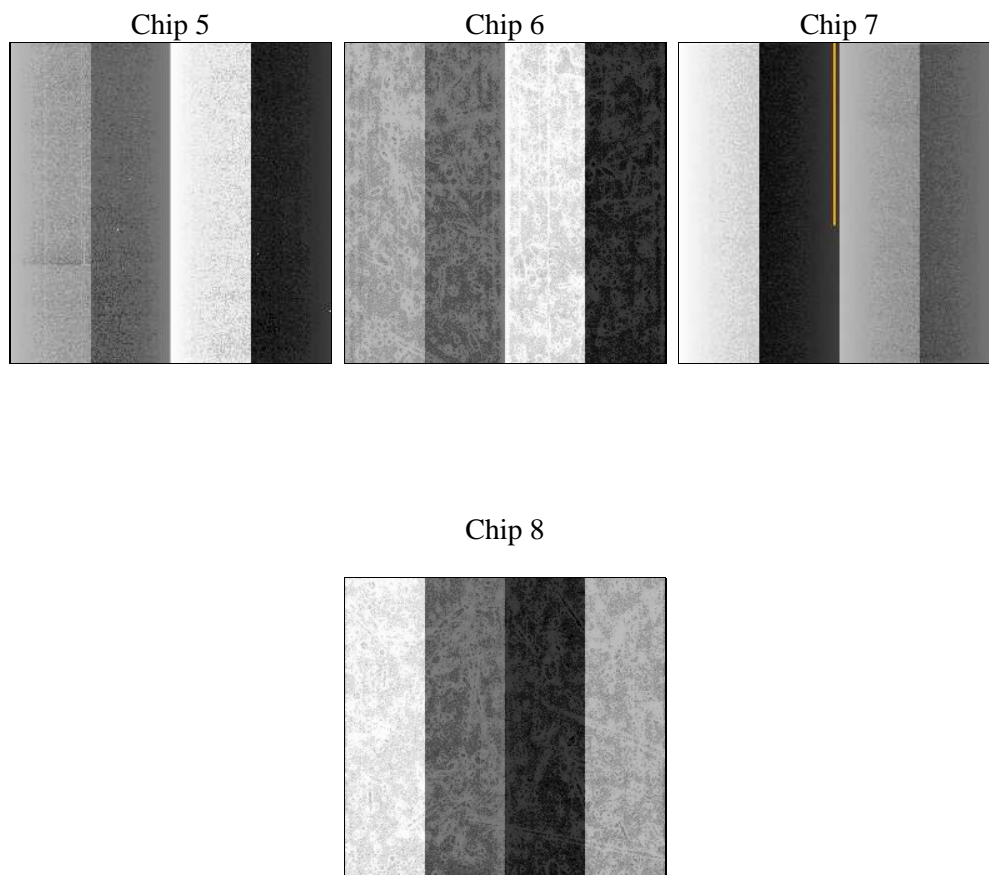
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10068.800077438	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime5	10068.800077438	Sum of GTIs [s]
date	2012-06-30T23:45:17	Date and time of file creation	ontime6	10068.800077438	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10068.800077438	Sum of GTIs [s]
			ontime8	10068.800077438	Sum of GTIs [s]
			l1events	310494	Number of level 1 events

### 2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	97441	57827	78095	77131
rejected events	48626	50814	42643	56613
rejected %	49%	87%	54%	73%

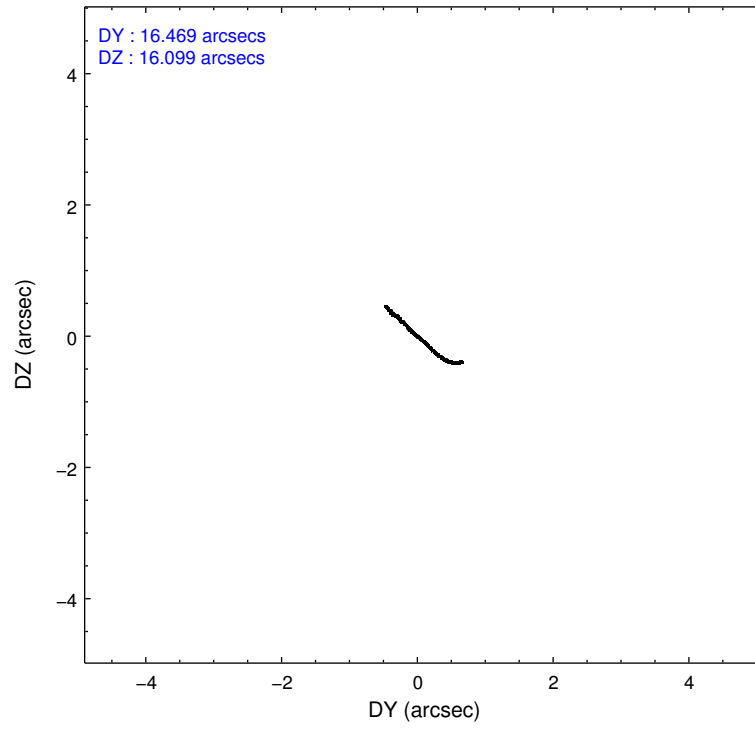
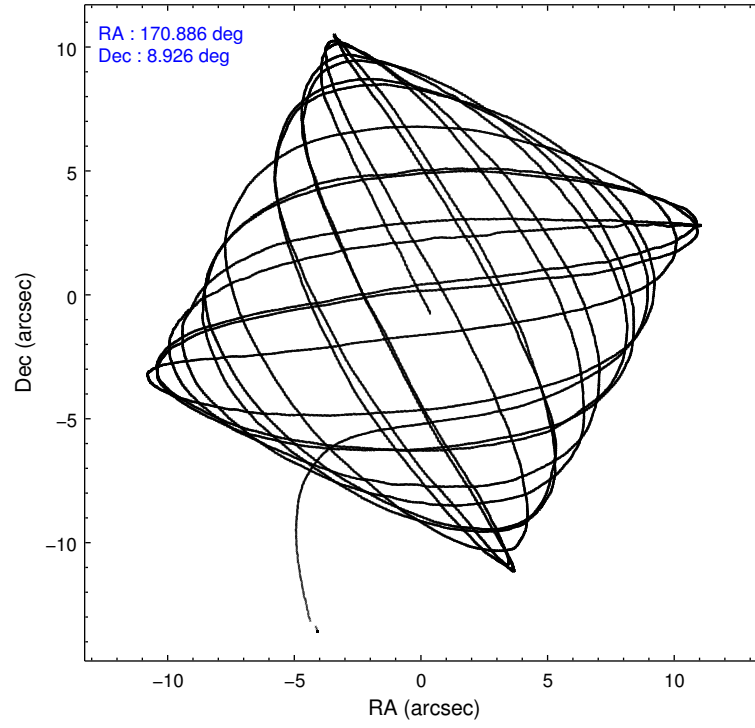
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5599	2444	3300	5795
	5%	4%	4%	7%
grade 1 events	169	24	77	51
	0%	0%	0%	0%
grade 2 events	14993	1564	7300	5036
	15%	2%	9%	6%
grade 3 events	1706	720	3056	1975
	1%	1%	3%	2%
grade 4 events	1591	710	3110	1894
	1%	1%	3%	2%
grade 5 events	7034	2905	7989	4085
	7%	5%	10%	5%
grade 6 events	24941	1578	18693	5822
	25%	2%	23%	7%
grade 7 events	41408	47882	34570	52473
	42%	82%	44%	68%

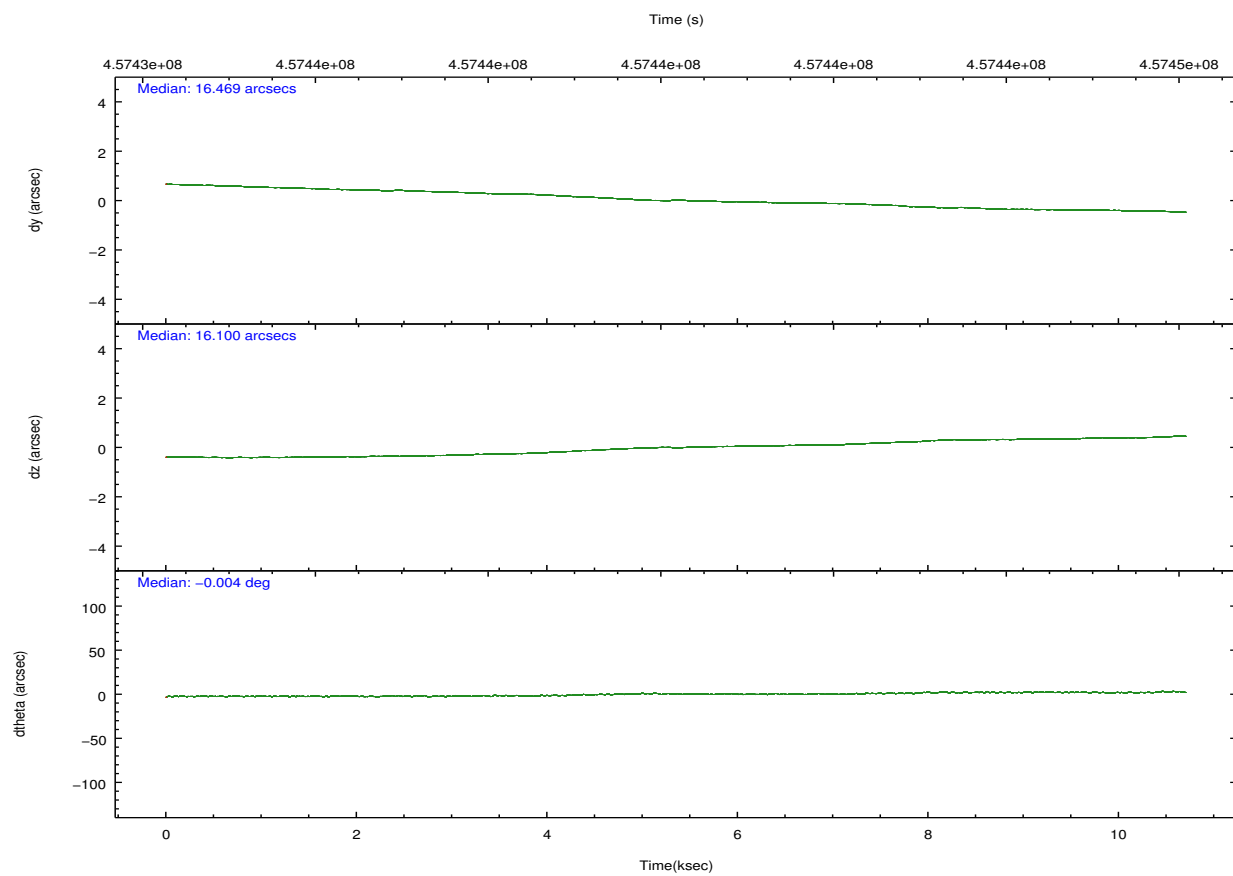
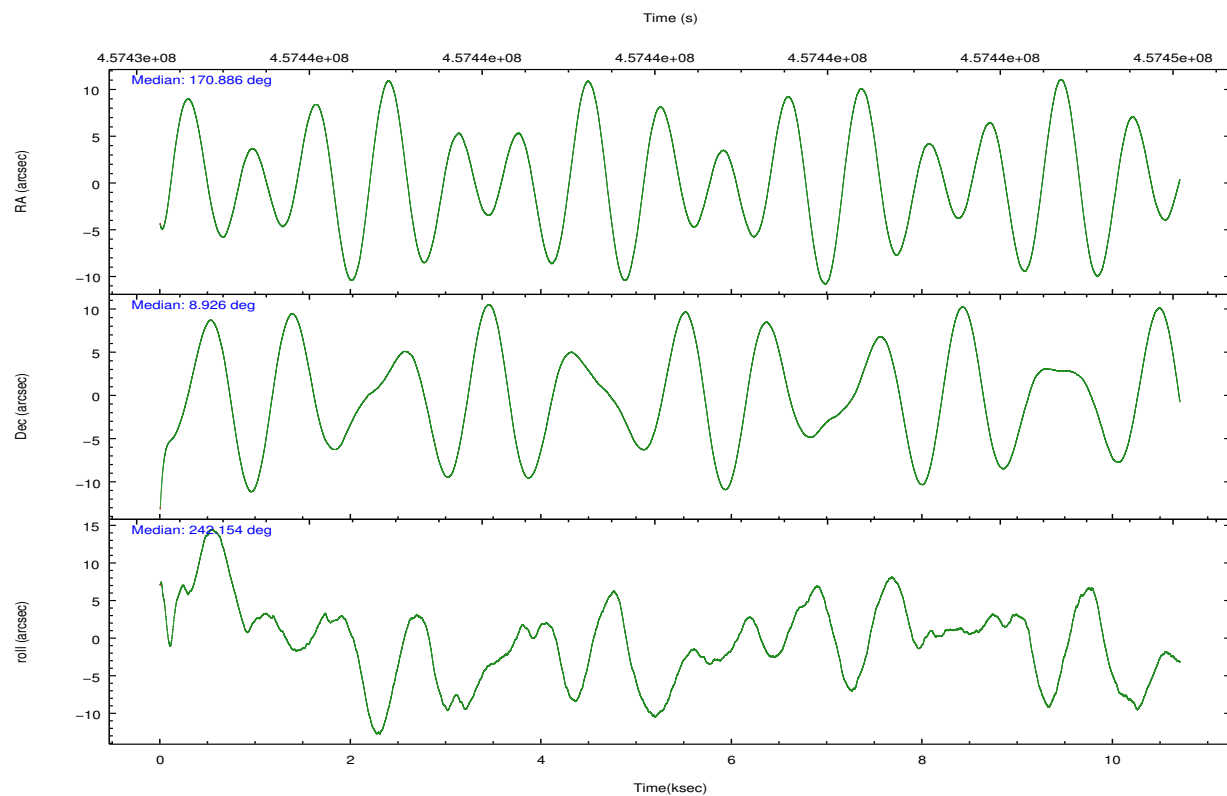


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	170.884264	170.8856979302692	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.952672	8.925401179299083	Alternating exposures requested	N	N
[deg] Pointing Roll	241.999986	242.1563927857107	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	457435526.184000	457433782.93596			
Observation start date	2012-06-30T09:24:20	2012-06-30T08:56:22			
[s] Observation end time (MET)	457445526.184000	457446519.58664			
Observation end date	2012-06-30T12:11:00	2012-06-30T12:28:39			
Read mode	TIMED	TIMED			

## 2.3 Aspect



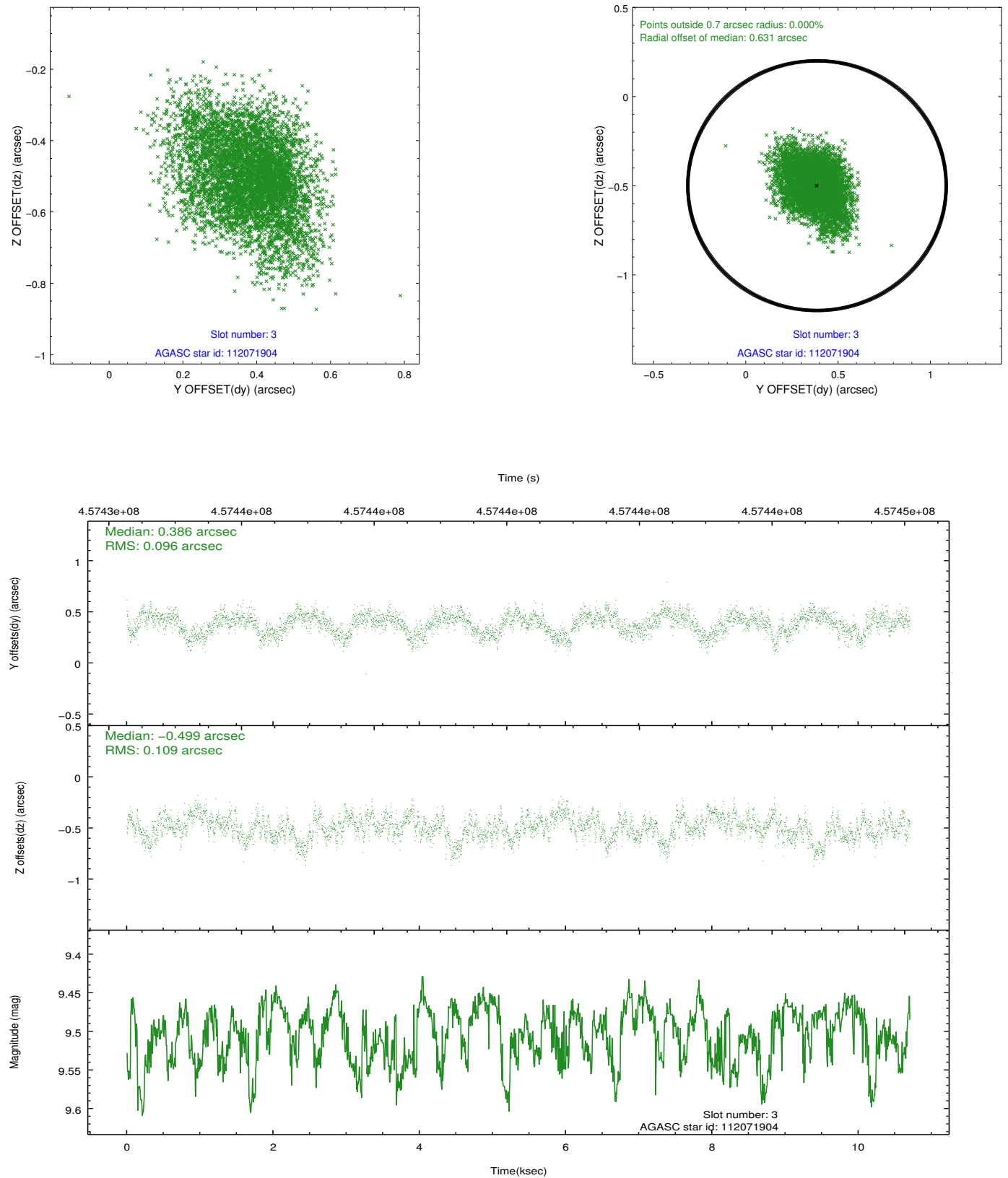


### Slot Statistics

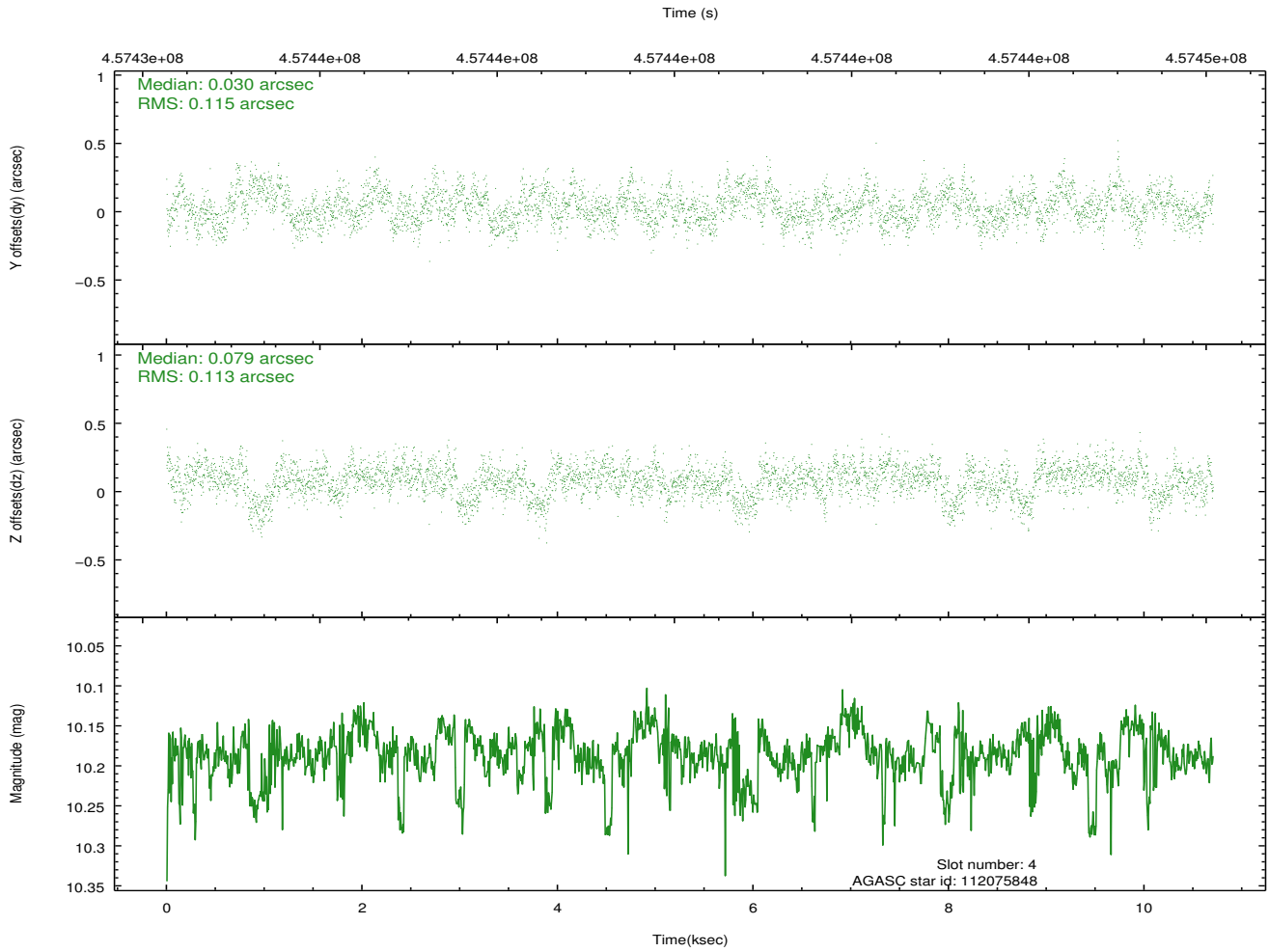
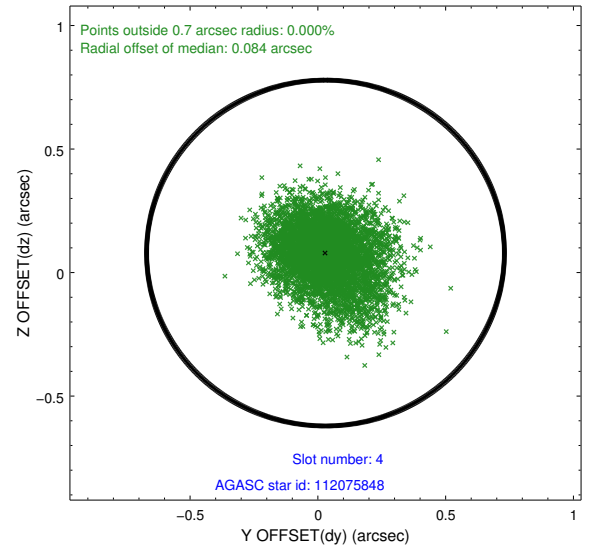
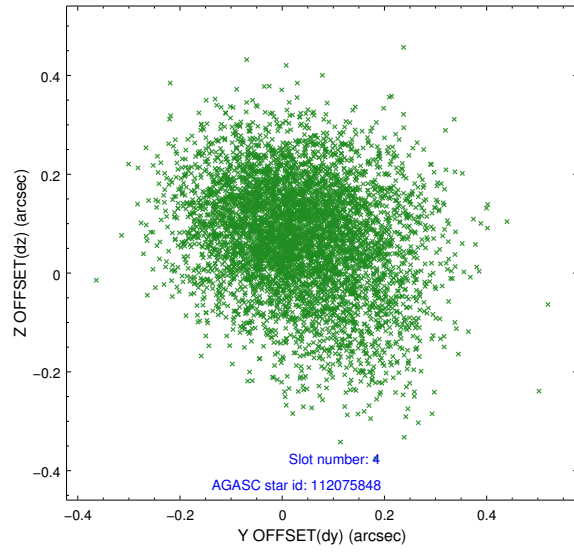
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	2612	-0.121	-0.007	0.008	0.020	0.000000	0.000000	-769.65	-1737.49
1	FID	ACIS-S-4	7.01	2612	0.226	0.061	0.011	0.020	0.000000	0.000000	2143.74	170.57
2	FID	ACIS-S-5	7.04	2612	-0.136	-0.045	0.013	0.021	0.000000	0.000000	-1821.89	164.67
3	GUIDE	112071904	9.50	5175	0.386	-0.499	0.154	0.255	170.535032	9.031250	333.52	-1229.86
4	GUIDE	112075848	10.18	5211	0.030	0.079	0.172	0.285	170.945425	8.354086	1801.05	1203.96
5	GUIDE	112203032	9.04	5221	-0.132	0.323	0.091	0.146	171.123372	9.490229	-2106.28	-158.99
6	GUIDE	112205200	8.61	5223	-0.135	0.105	0.079	0.129	171.373725	8.923288	-724.74	1585.56
7	GUIDE	112205544	9.25	5196	-0.140	-0.004	0.096	0.158	171.411580	9.202600	-1675.25	1231.85

## 2.4 Star Slots

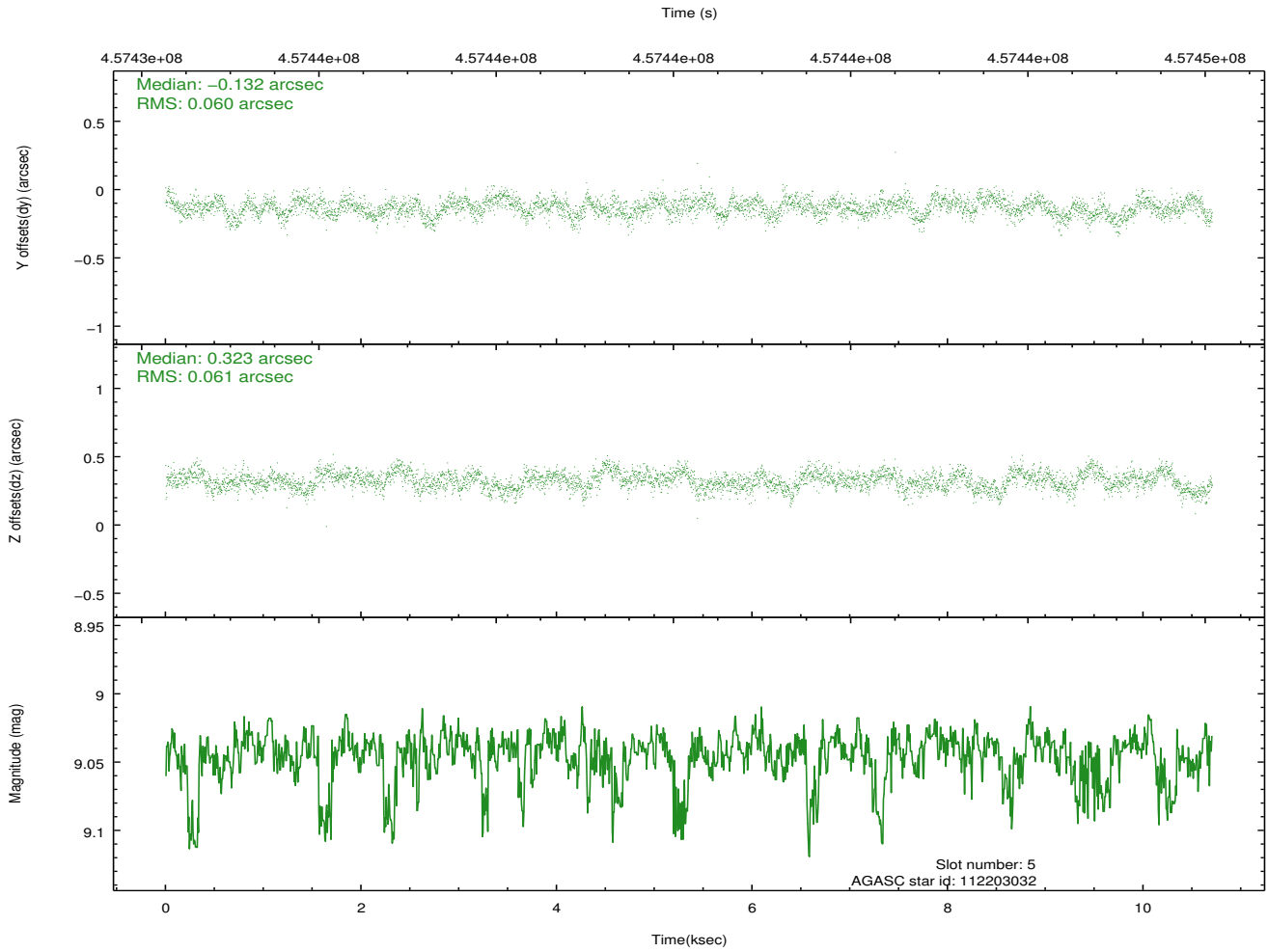
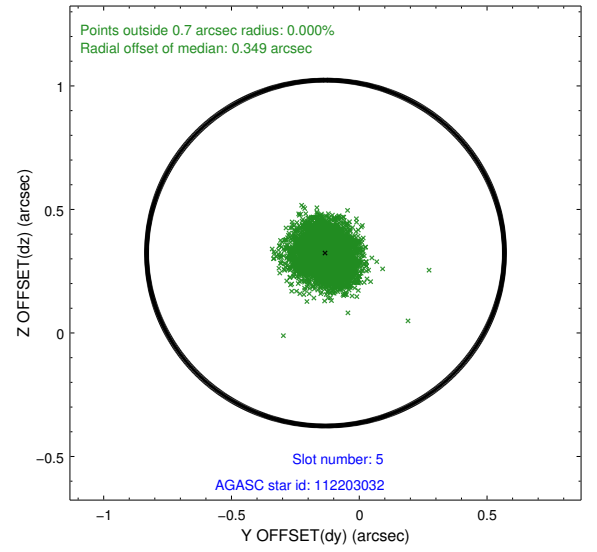
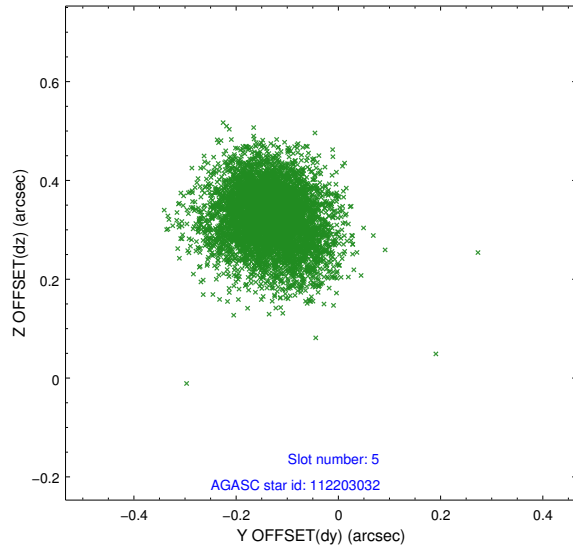
### 2.4.1 Slot 3



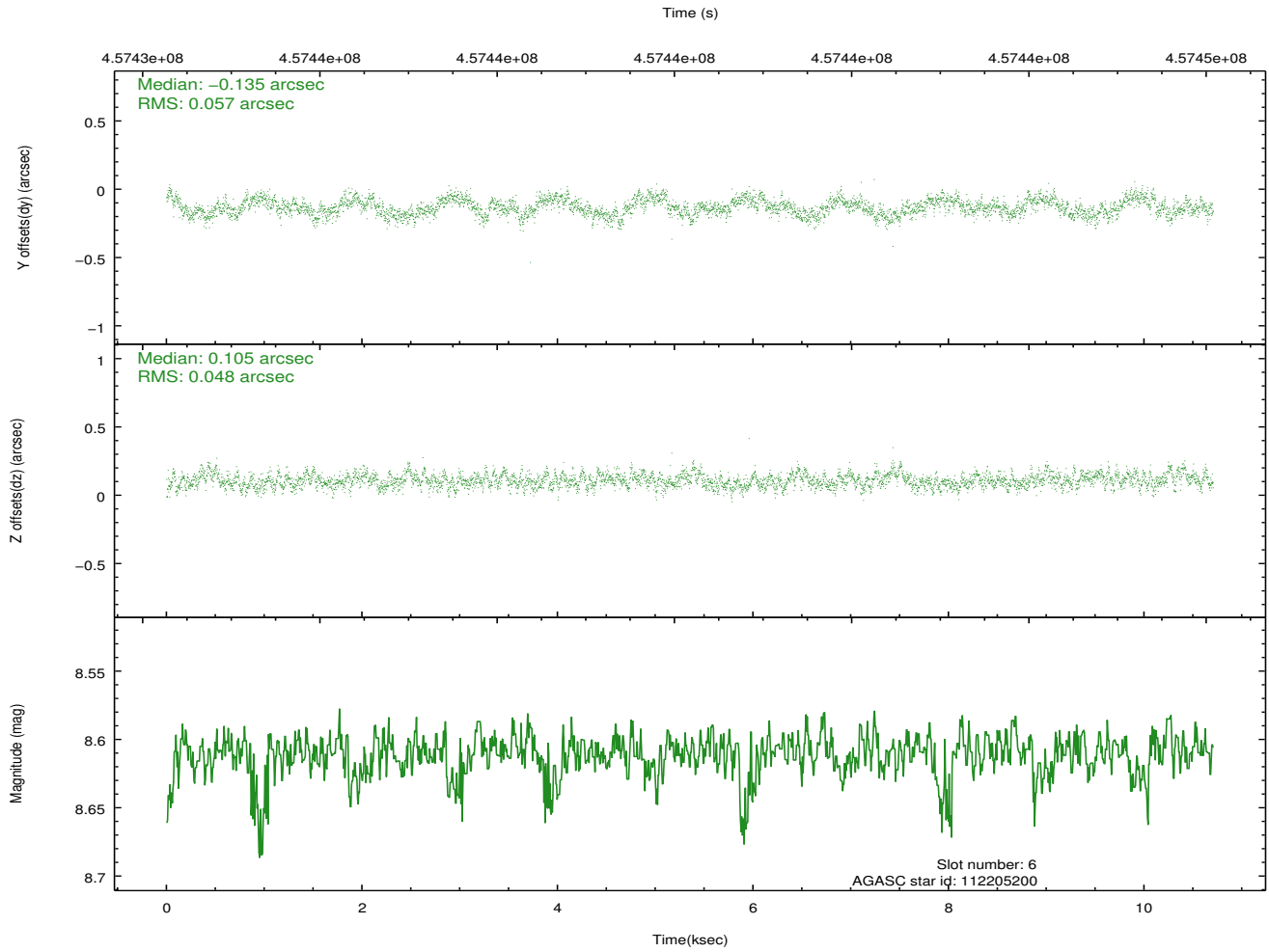
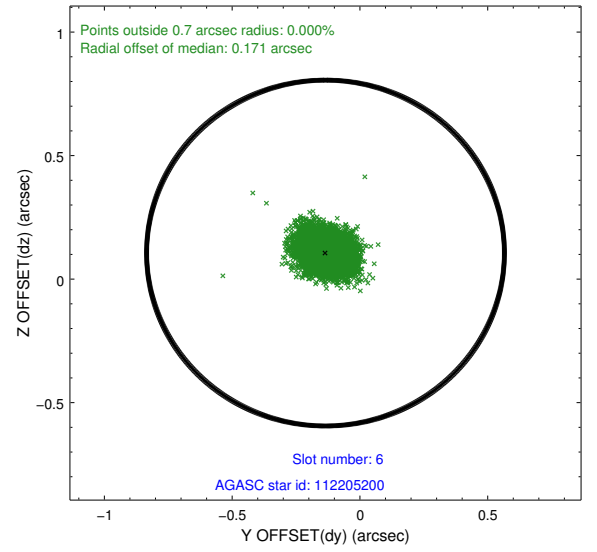
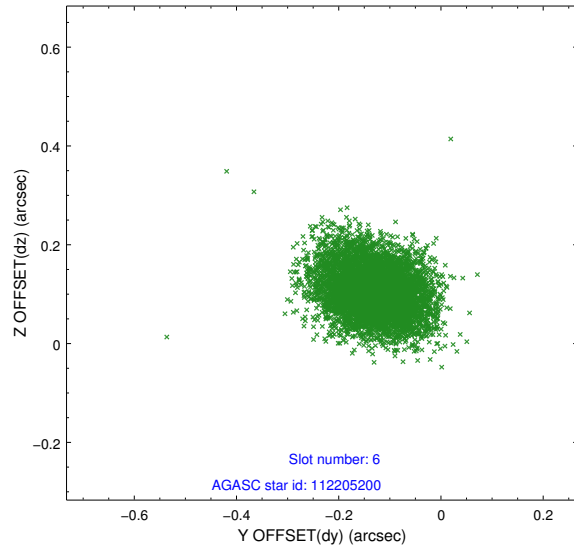
## 2.4.2 Slot 4



### 2.4.3 Slot 5

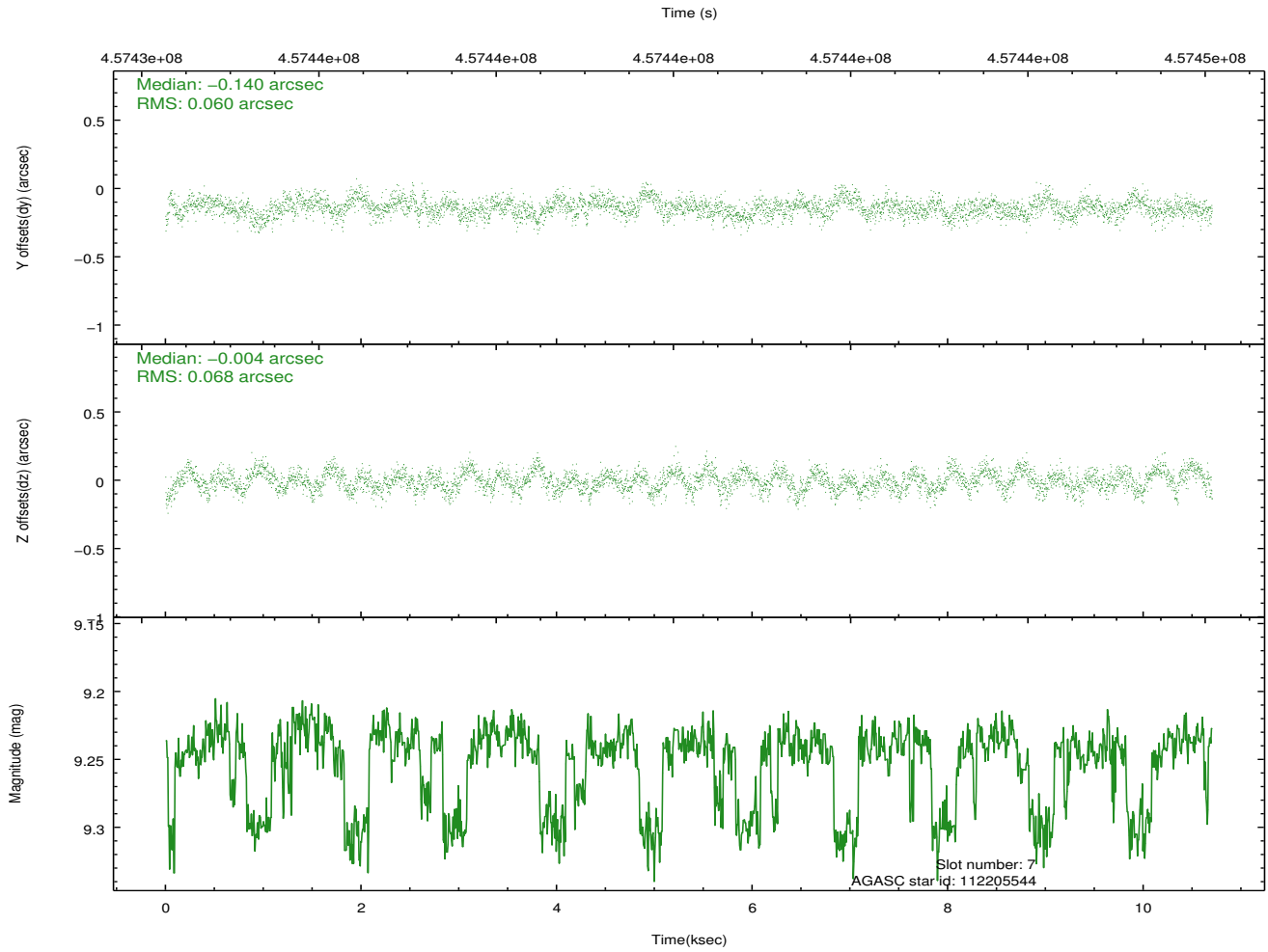
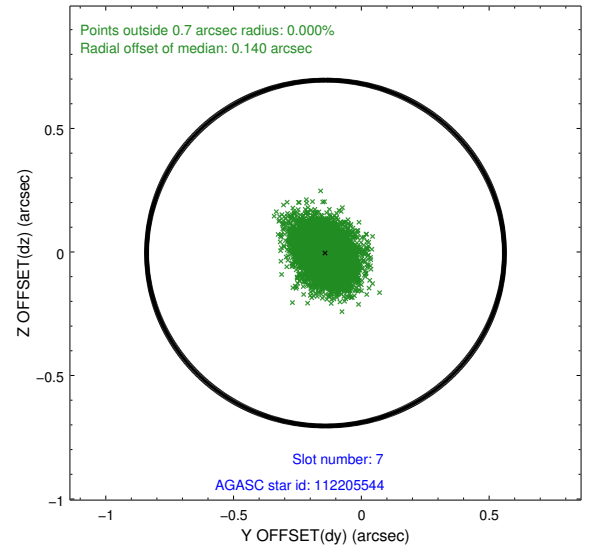
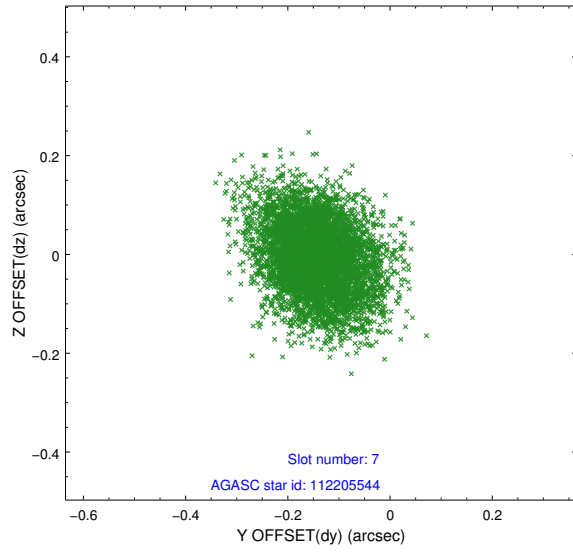


## 2.4.4 Slot 6



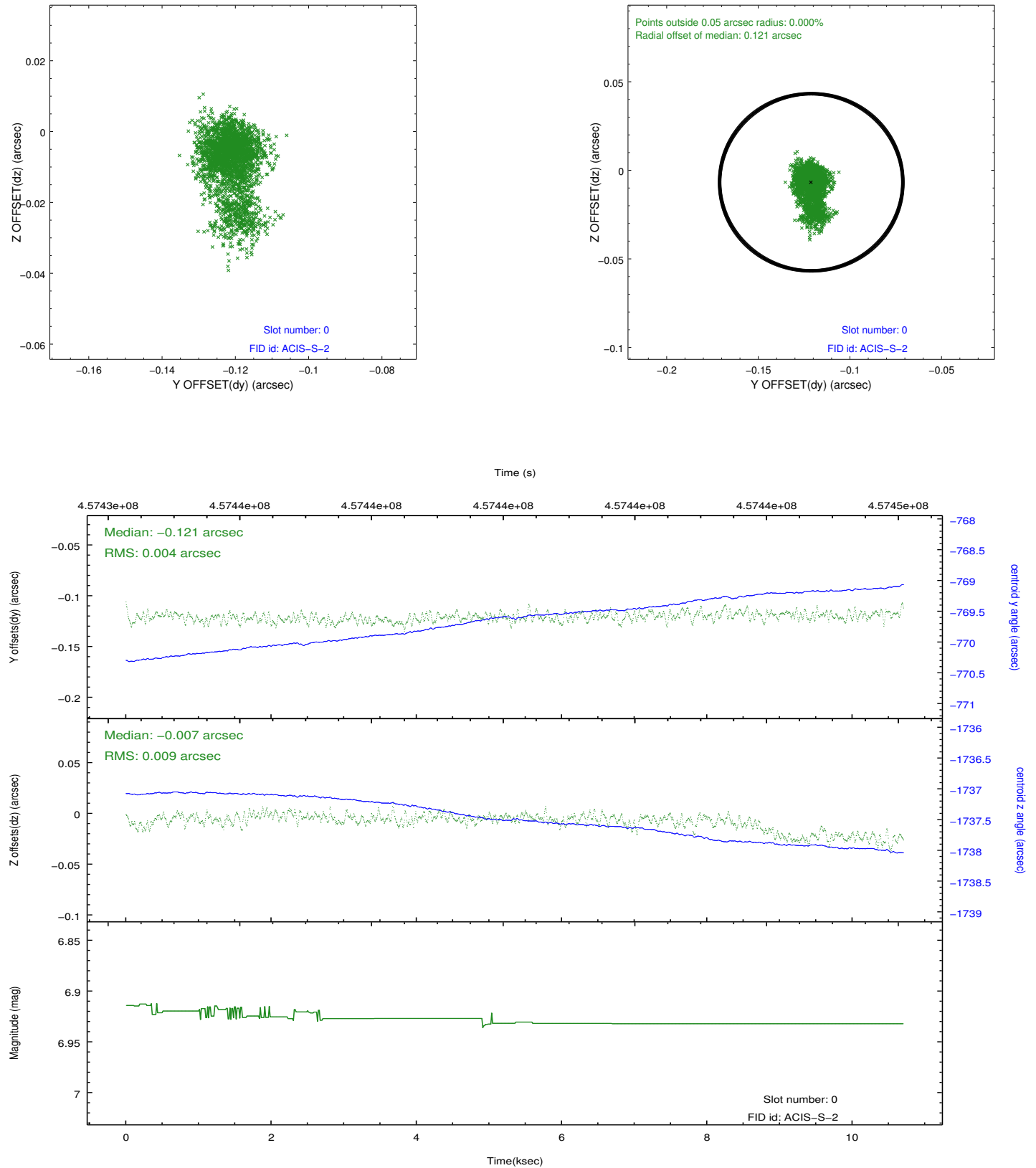


## 2.4.5 Slot 7

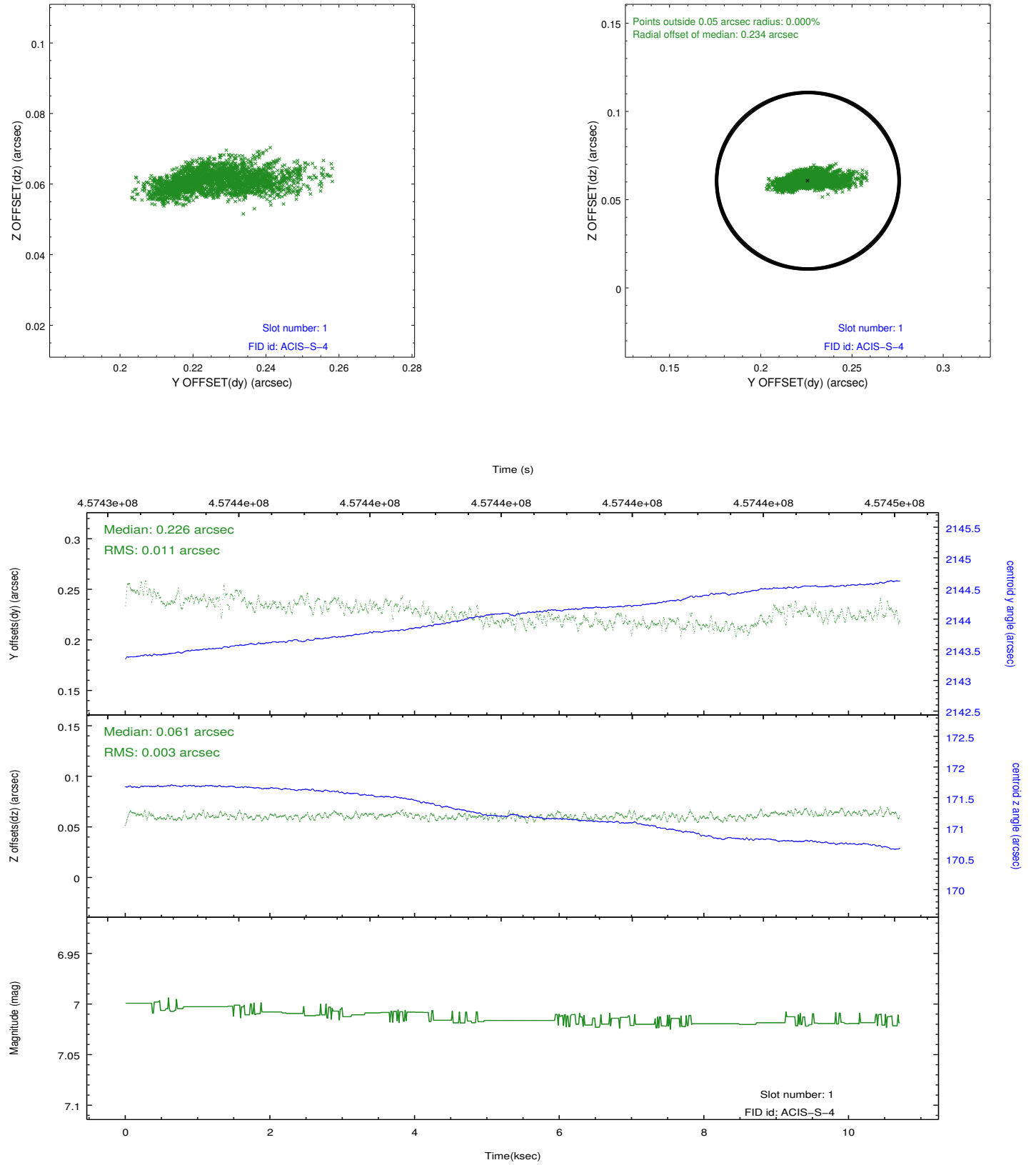


## 2.5 FID Slots

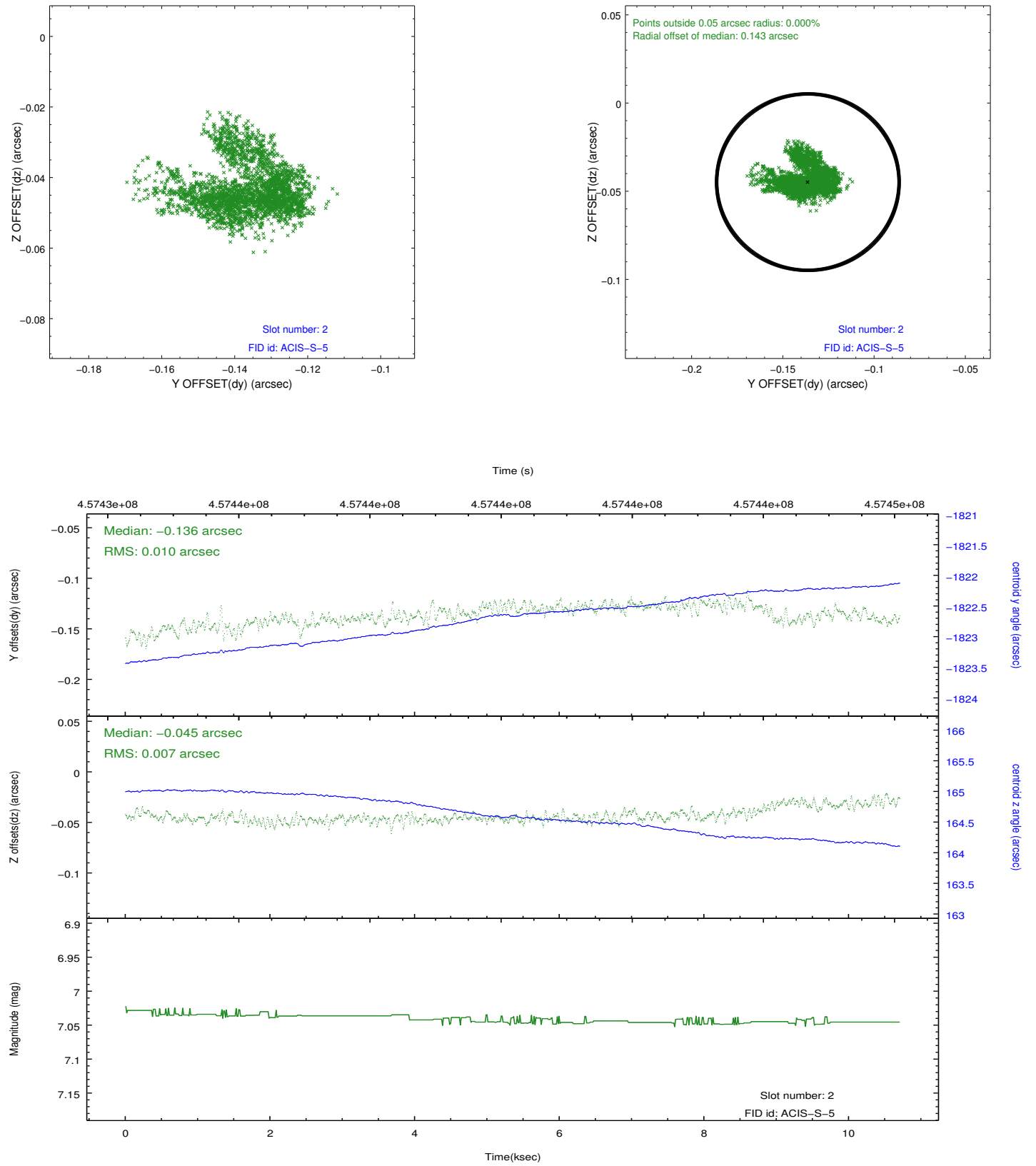
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.068800077438

### A.2 Comments