

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9184 - L2 Version 2  
Chandra X-Ray Center

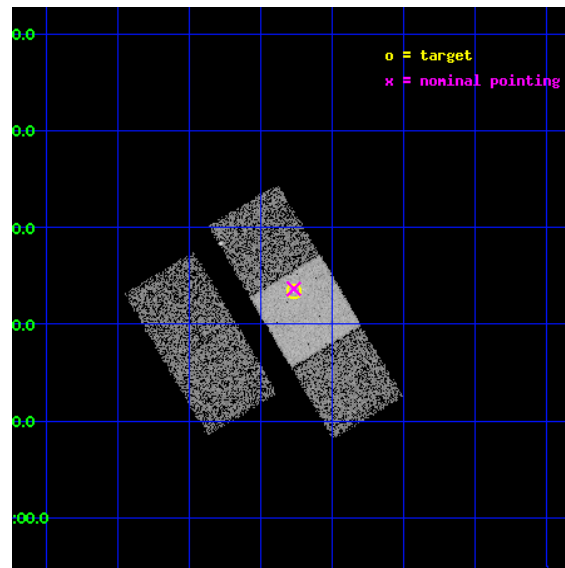
L2 Processing Date : May 7 2012

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# 1 Front

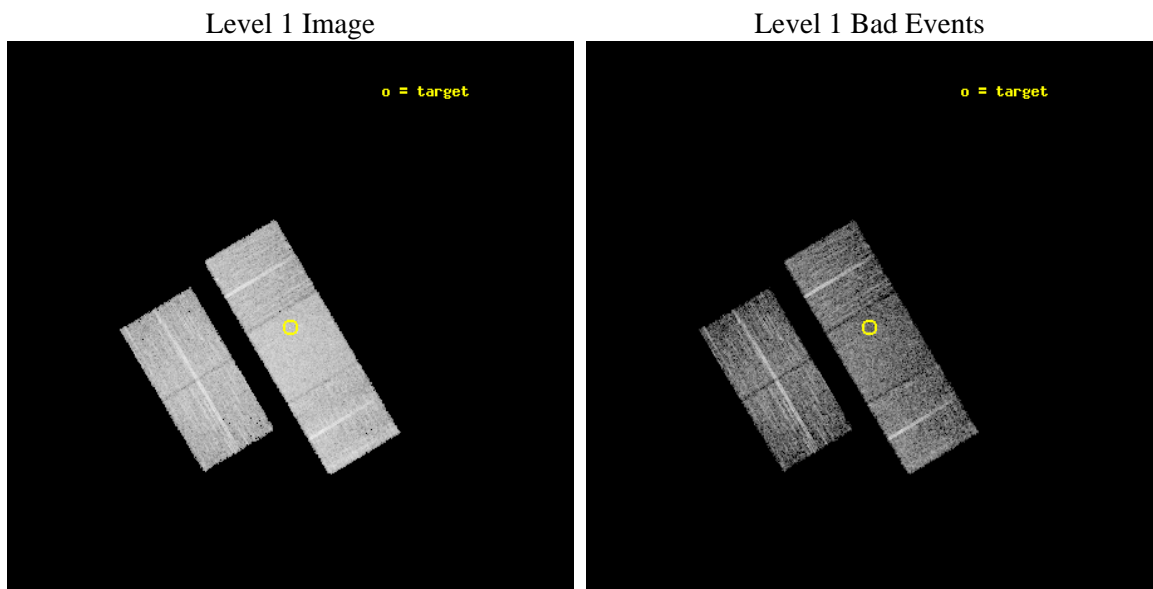
seq_num	701626	Sequence number
obs_id	9184	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S01	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	234.8175	Observer's specified target RA [deg]
dec_targ	3.389444	Observer's specified target Dec [deg]
ra_nom	234.81732409039	Nominal RA [deg]
dec_nom	3.3943420905473	Nominal Dec [deg]
roll_nom	59.285118661147	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4464.0000343323	Sum of GTIs [s]
livetime	4405.6745875347	Livetime [s]
ontime2	4464.0000343323	Sum of GTIs [s]
ontime3	4464.0000343323	Sum of GTIs [s]
ontime6	4464.0000343323	Sum of GTIs [s]
ontime7	4464.0000343323	Sum of GTIs [s]
ontime8	4464.0000343323	Sum of GTIs [s]
l2events	45974	Number of level 2 events



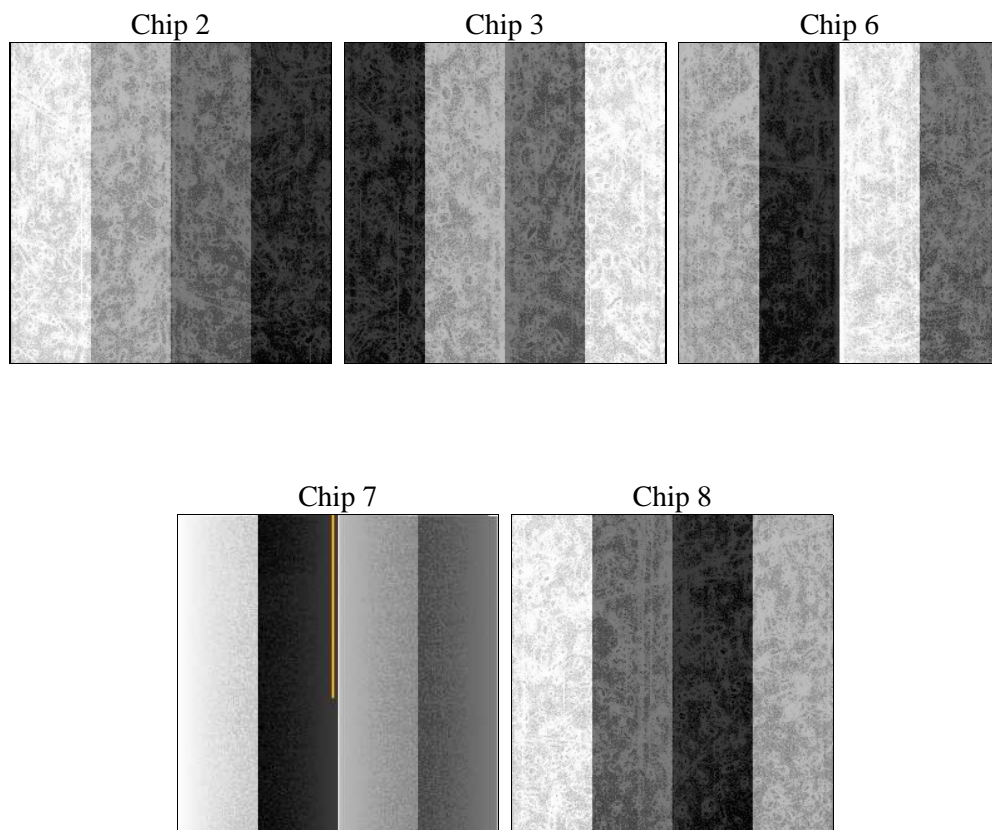
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4464.0000343323	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	4464.0000343323	Sum of GTIs [s]
date	2012-05-07T14:34:18	Date and time of file creation	ontime3	4464.0000343323	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4464.0000343323	Sum of GTIs [s]
			ontime7	4464.0000343323	Sum of GTIs [s]
			ontime8	4464.0000343323	Sum of GTIs [s]
			l1events	271593	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	48454	48252	48532	65683	60672
rejected events	42865	42847	42796	39276	46750
rejected %	88%	88%	88%	59%	77%

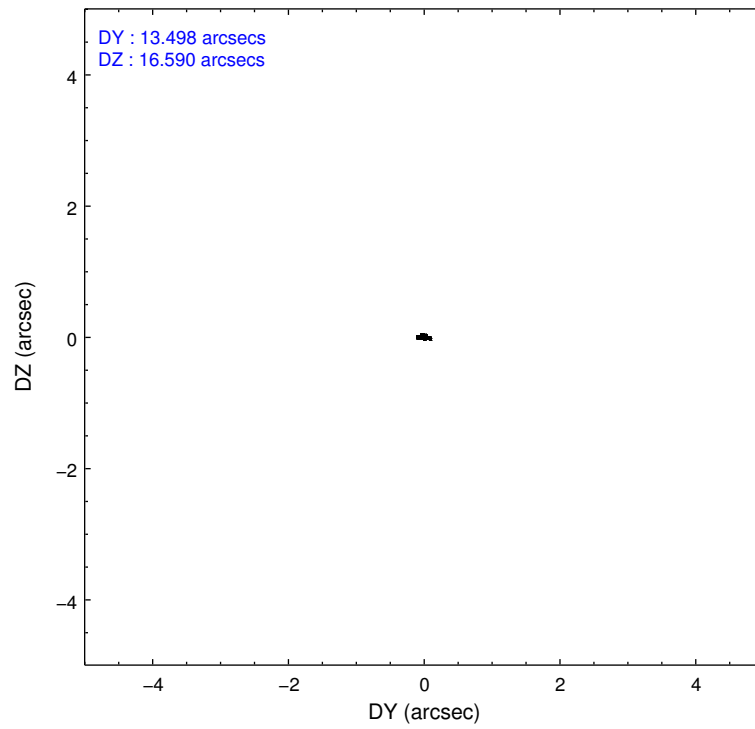
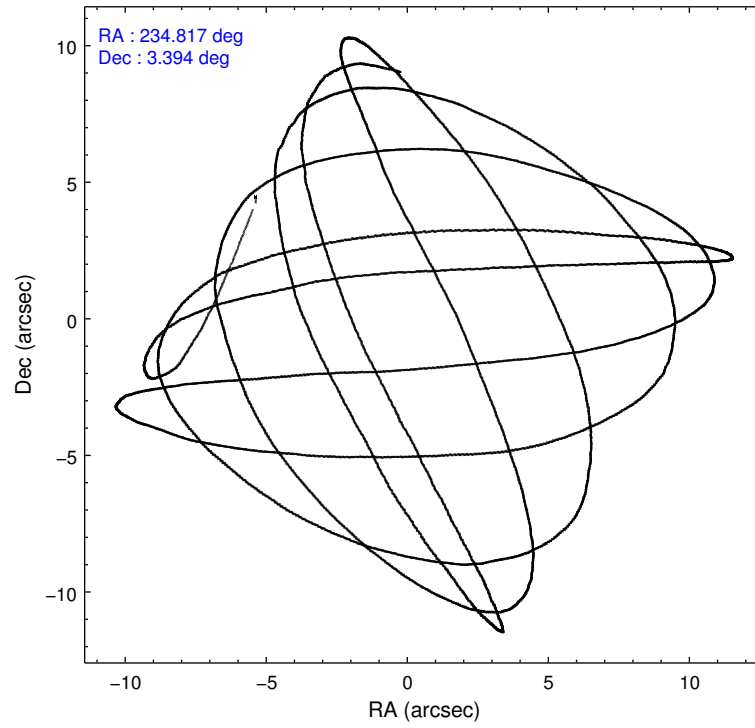
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2584	2419	2506	2390	4573
	5%	5%	5%	3%	7%
grade 1 events	26	29	28	66	38
	0%	0%	0%	0%	0%
grade 2 events	1240	1164	1296	5680	3226
	2%	2%	2%	8%	5%
grade 3 events	520	553	559	2364	1569
	1%	1%	1%	3%	2%
grade 4 events	538	540	541	2372	1453
	1%	1%	1%	3%	2%
grade 5 events	1852	2197	2293	6217	2962
	3%	4%	4%	9%	4%
grade 6 events	929	965	1102	14867	3731
	1%	1%	2%	22%	6%
grade 7 events	40765	40385	40207	31727	43120
	84%	83%	82%	48%	71%

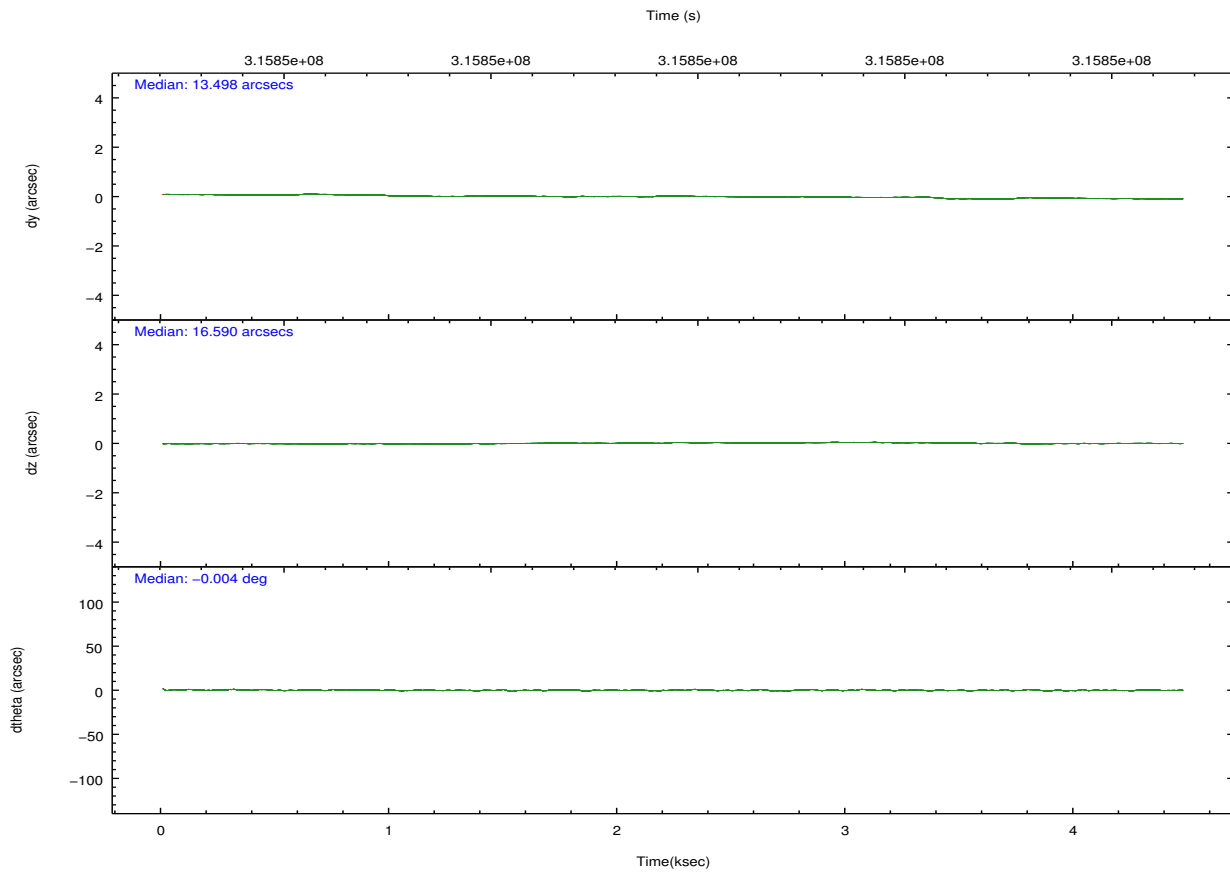
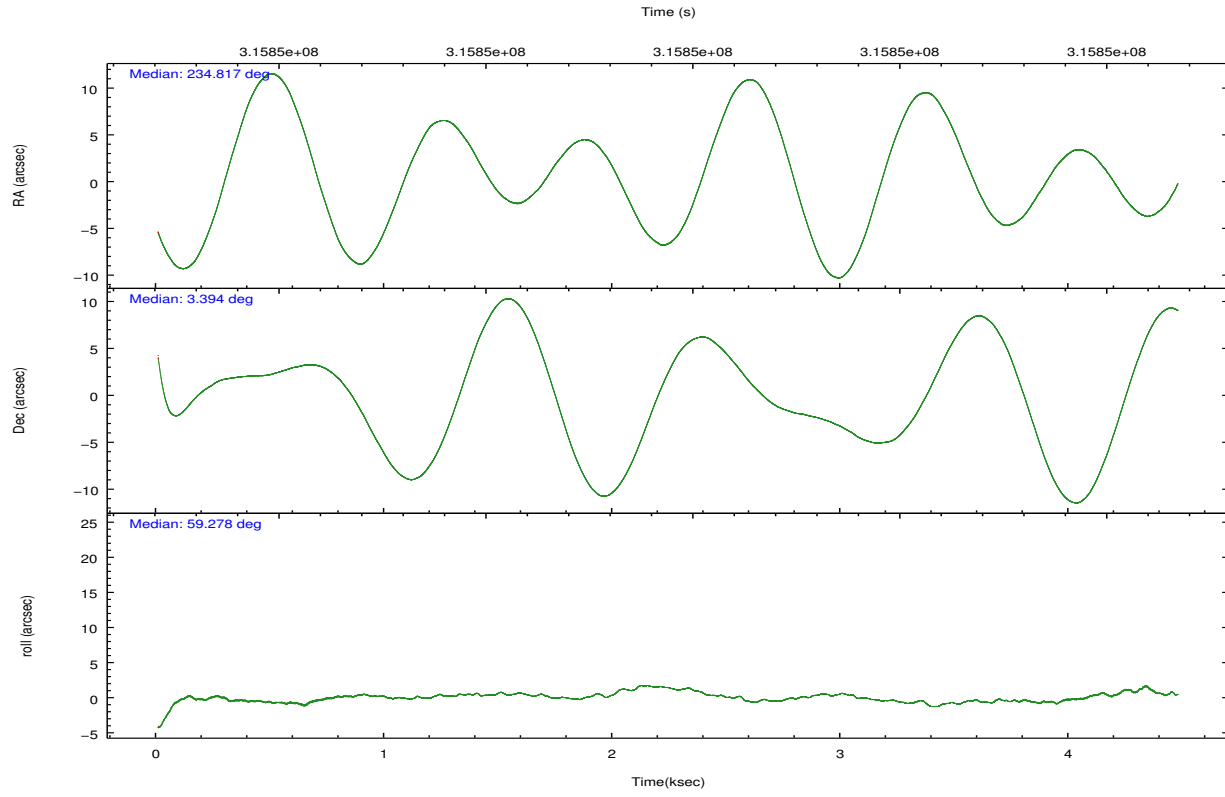


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	234.817447	234.8173240903881	CCD I2 on	O1	Y
[deg] Pointing Dec	3.366952	3.39434209054727	CCD I3 on	Y	Y
[deg] Pointing Roll	59.128505	59.28511866114654	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	Y	Y
[s] Observation start time (MET)	315848823.184000	315847721.64313	CCD S5 on	N	N
Observation start date	2008-01-04T15:45:58	2008-01-04T15:28:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315853123.184000	315854184.78094	On-chip summing requested	N	N
Observation end date	2008-01-04T16:57:38	2008-01-04T17:16:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



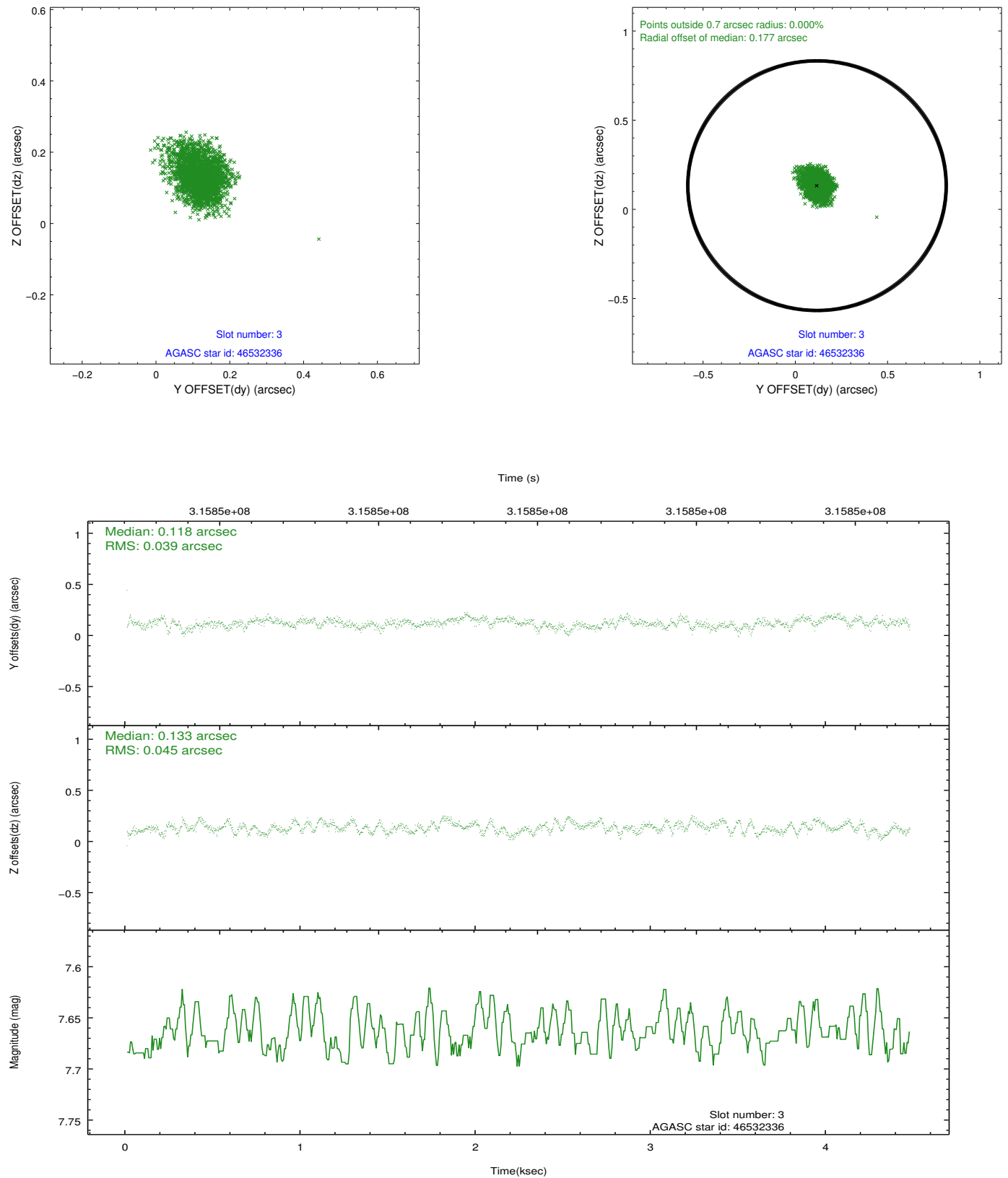


### Slot Statistics

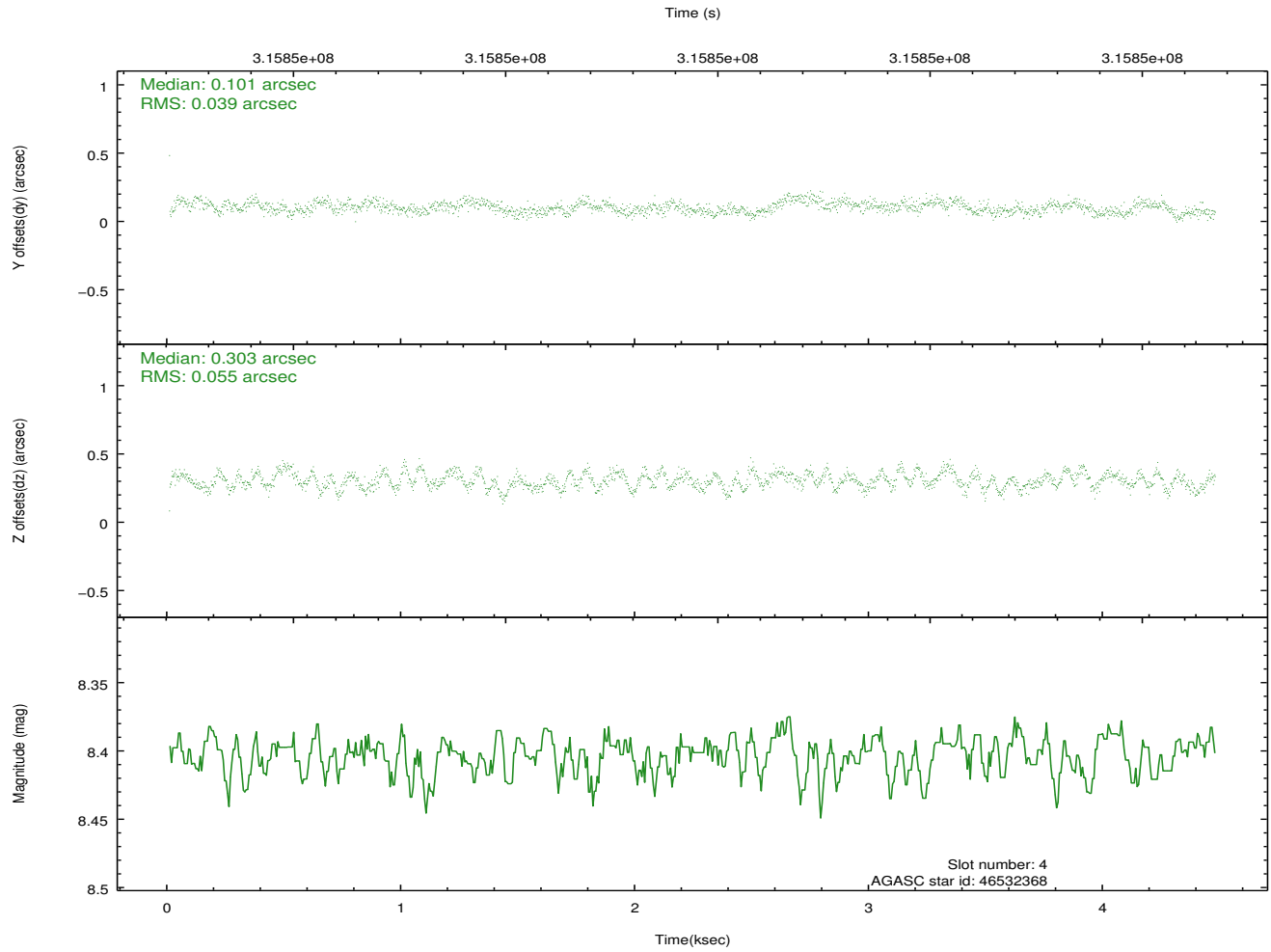
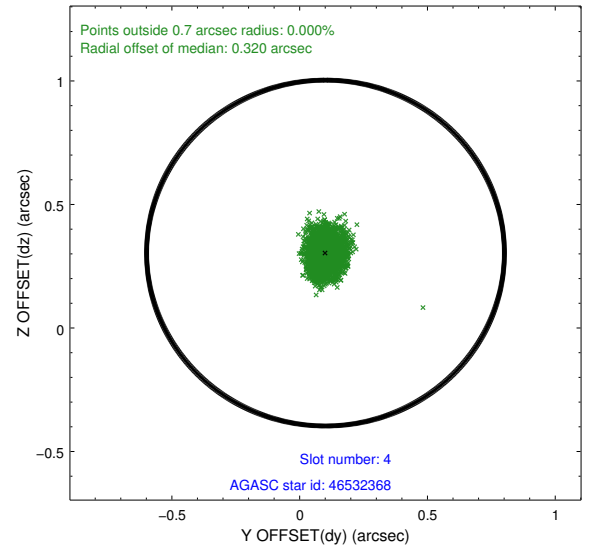
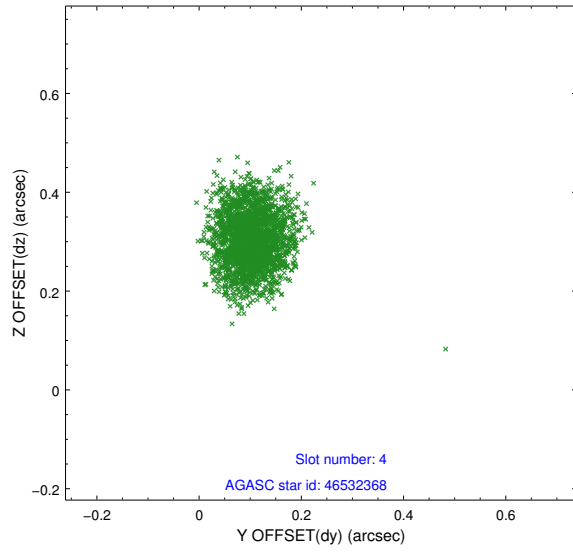
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1091	-0.037	-0.034	0.006	0.011	0.000000	0.000000	-766.46	-1737.99
1	FID	ACIS-S-4	7.18	1091	0.165	0.027	0.006	0.011	0.000000	0.000000	2146.39	169.11
2	FID	ACIS-S-5	7.22	1091	-0.160	0.015	0.006	0.011	0.000000	0.000000	-1817.66	164.35
3	GUIDE	46532336	7.66	2182	0.118	0.133	0.063	0.102	235.017930	2.554943	-2138.94	-2119.28
4	GUIDE	46532368	8.40	2181	0.101	0.303	0.073	0.114	235.103499	2.611970	-1805.30	-2278.65
5	GUIDE	46537088	8.34	2182	-0.174	-0.141	0.056	0.096	234.417399	3.634643	88.96	1726.95
6	GUIDE	46537560	8.14	2181	0.004	0.068	0.065	0.115	235.640117	3.493742	1909.97	-2301.54
7	GUIDE	46537512	6.88	2181	-0.044	-0.367	0.053	0.084	234.754325	3.467680	195.38	379.28

## 2.4 Star Slots

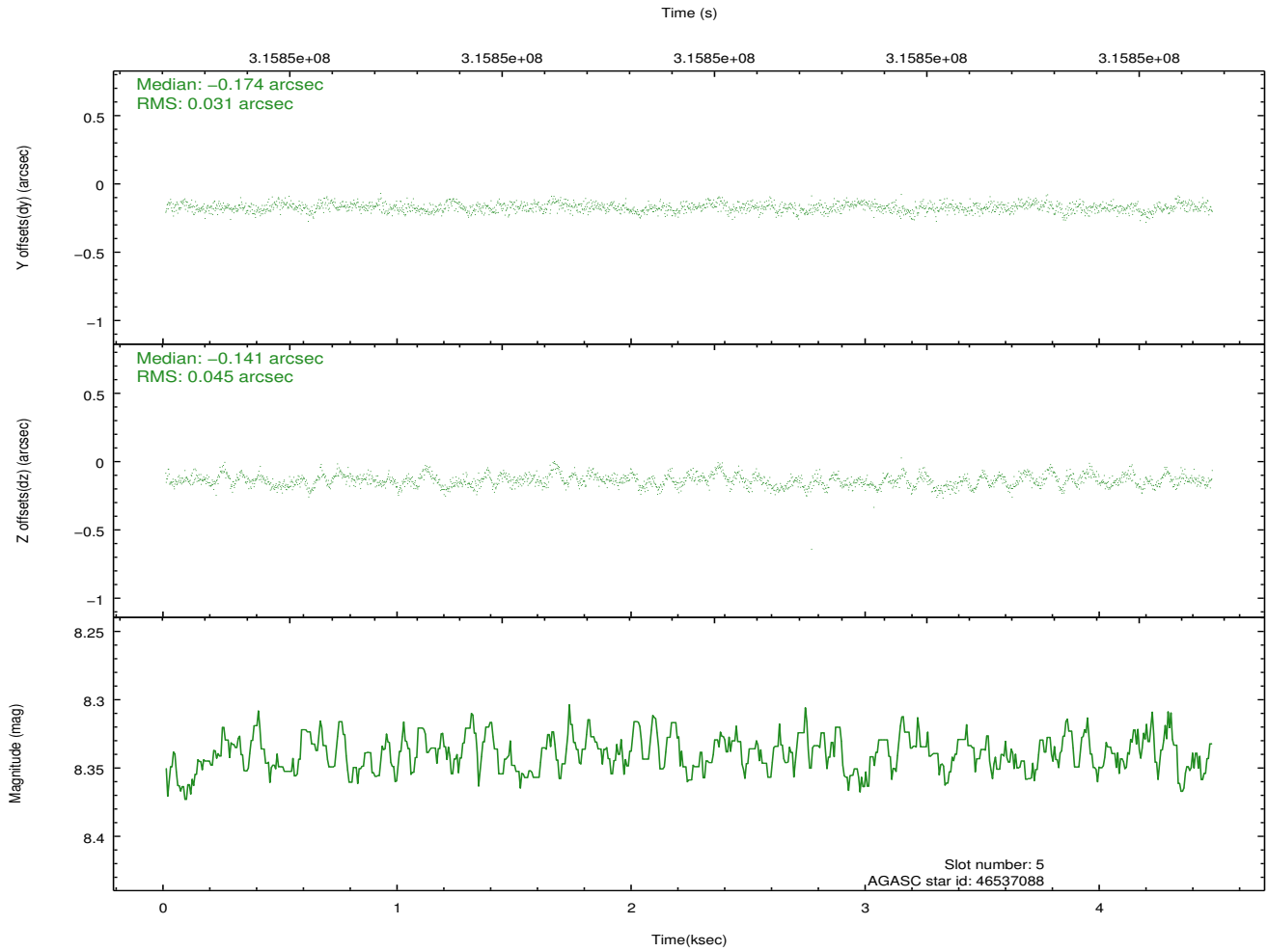
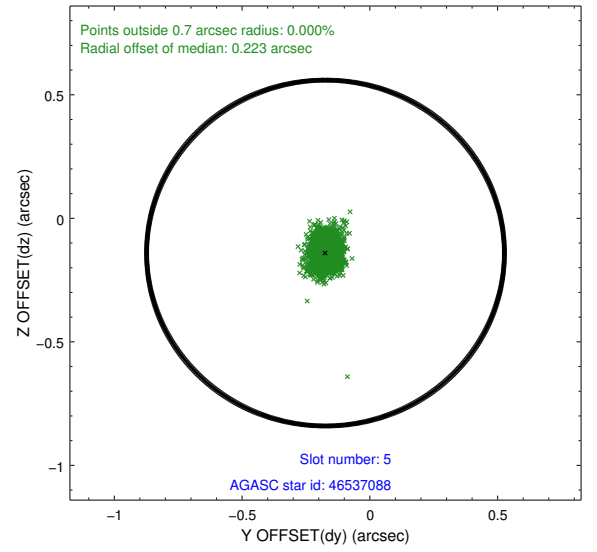
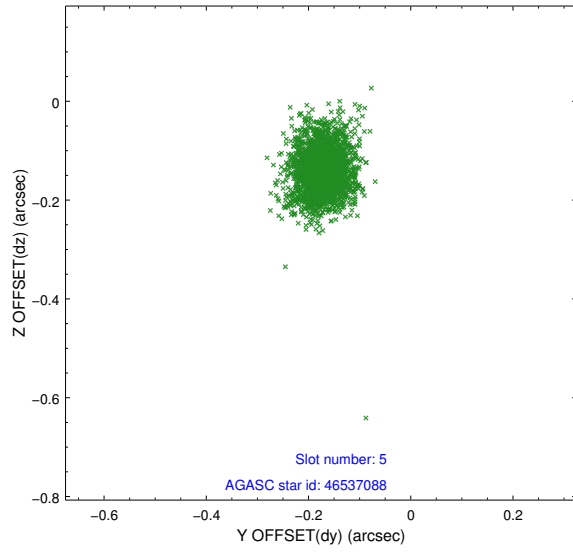
### 2.4.1 Slot 3



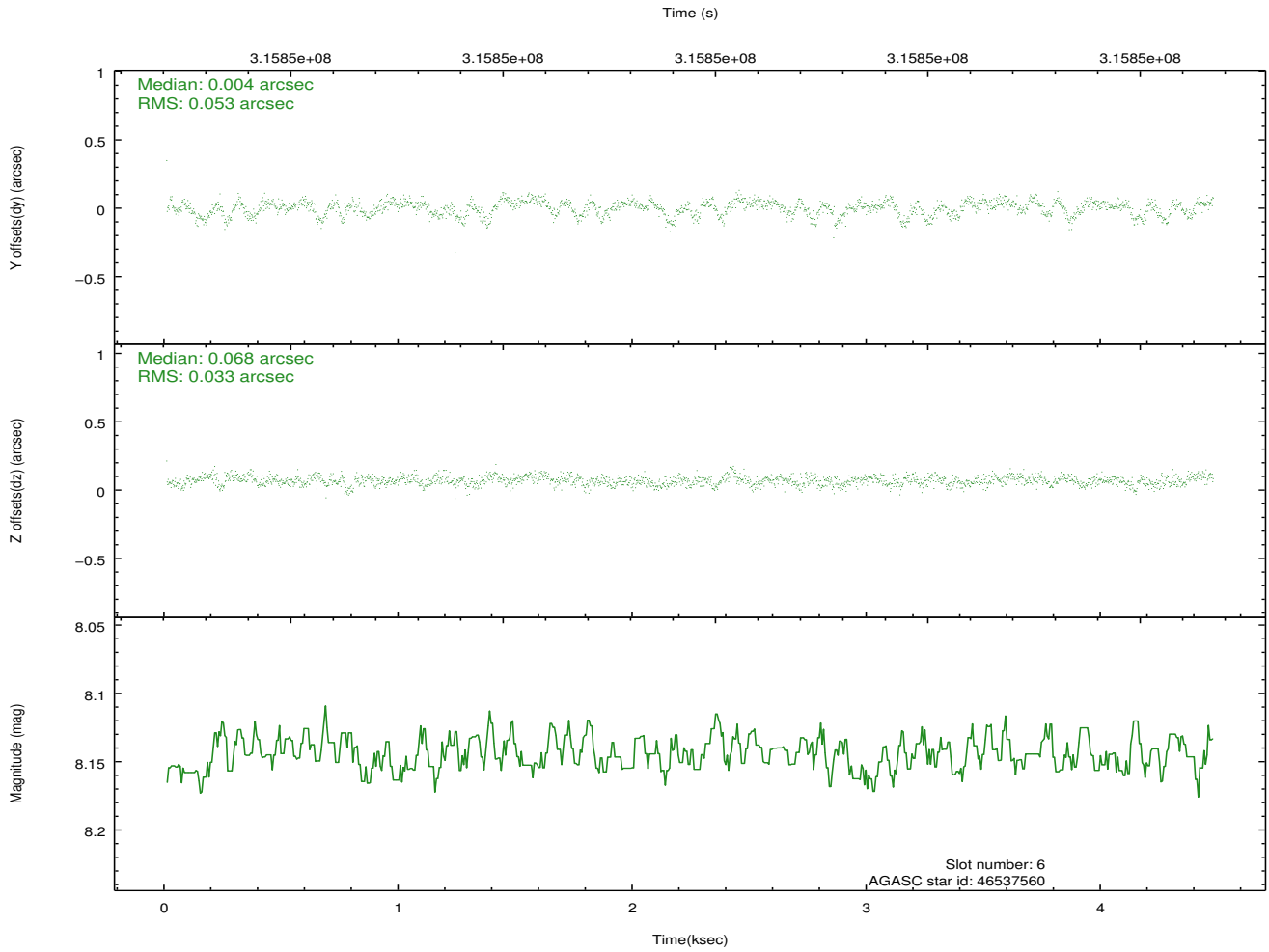
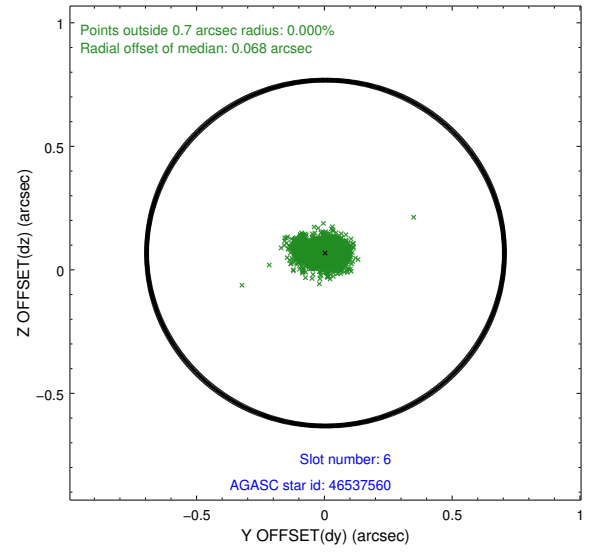
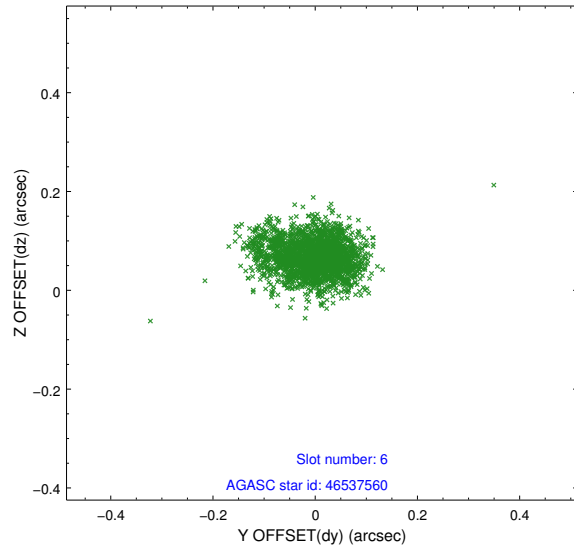
## 2.4.2 Slot 4



### 2.4.3 Slot 5

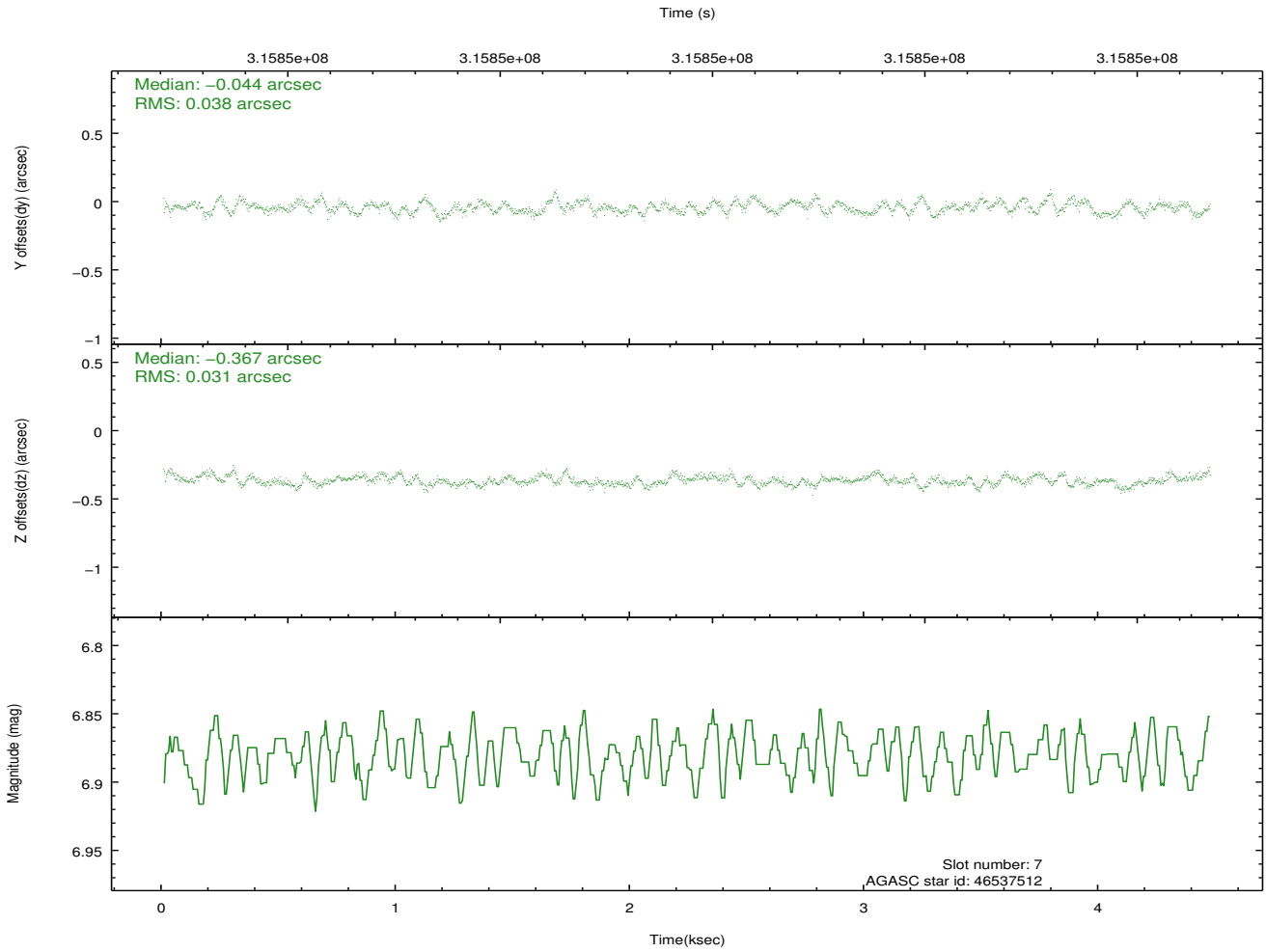
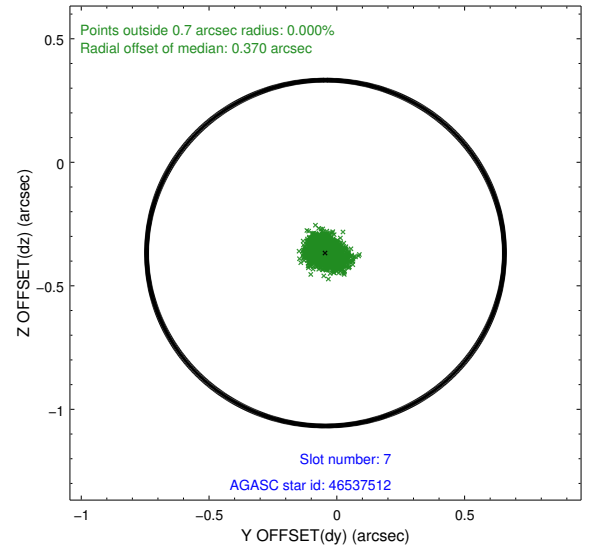
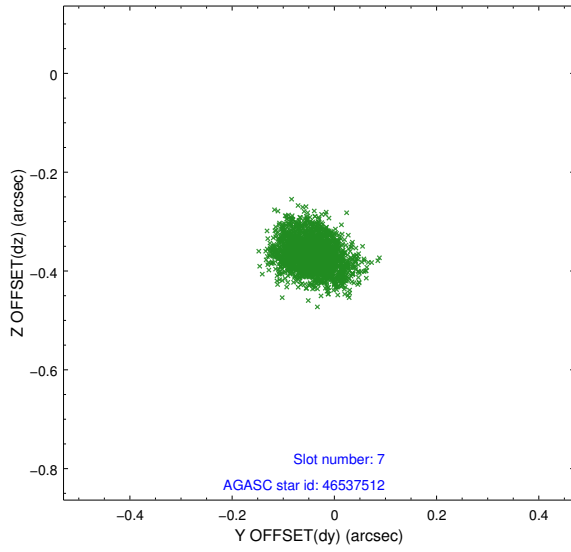


## 2.4.4 Slot 6



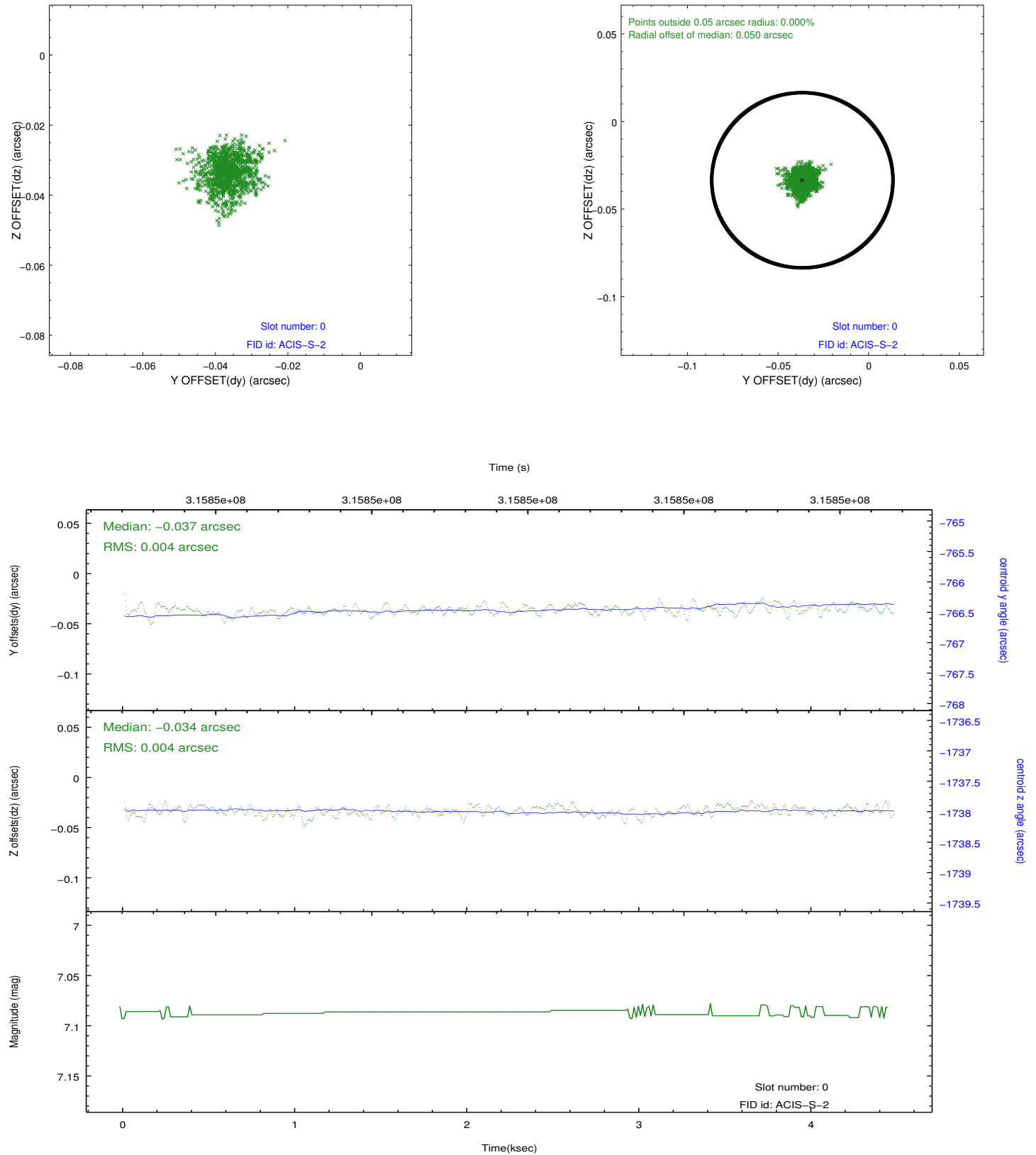


## 2.4.5 Slot 7

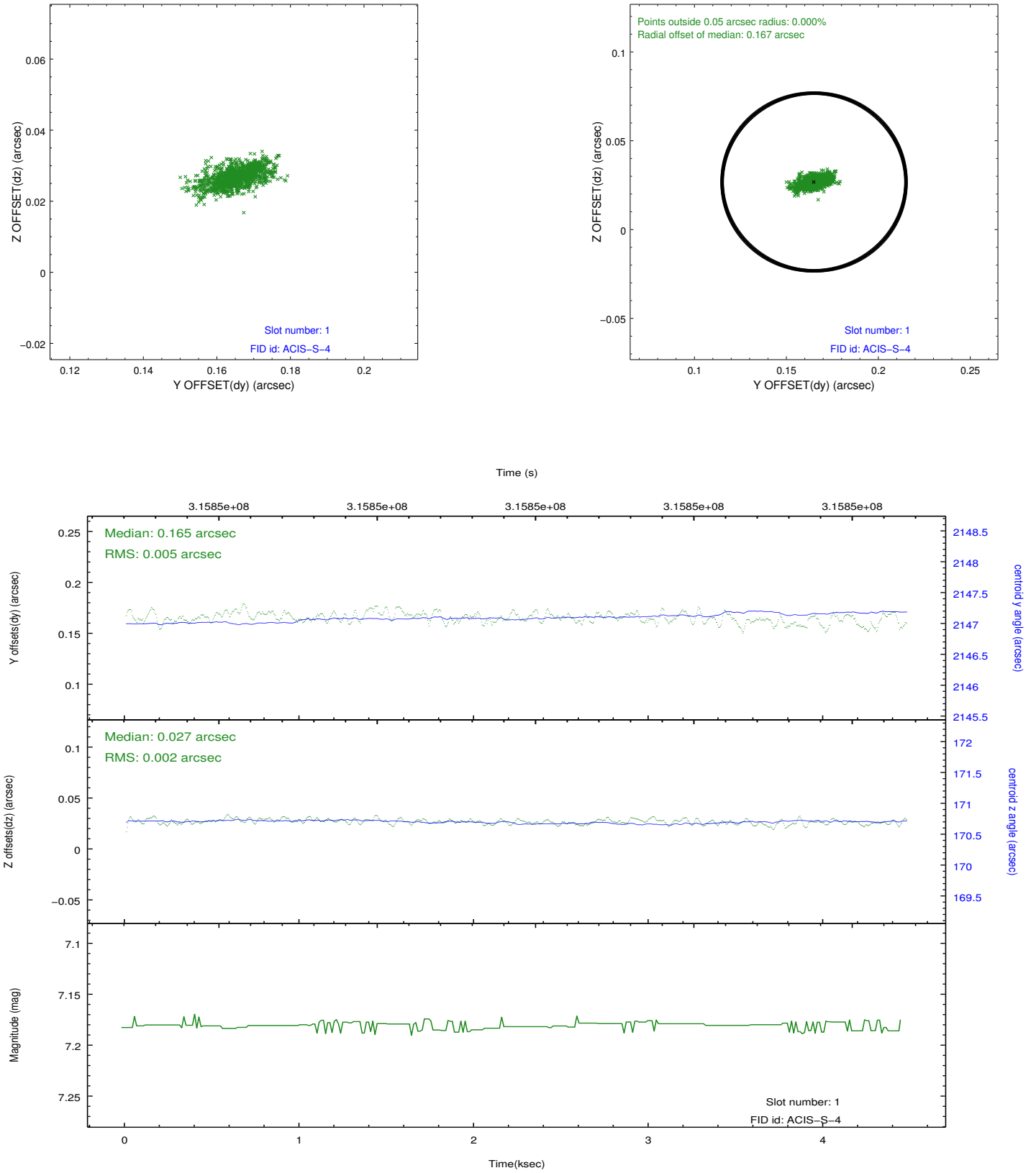


## 2.5 FID Slots

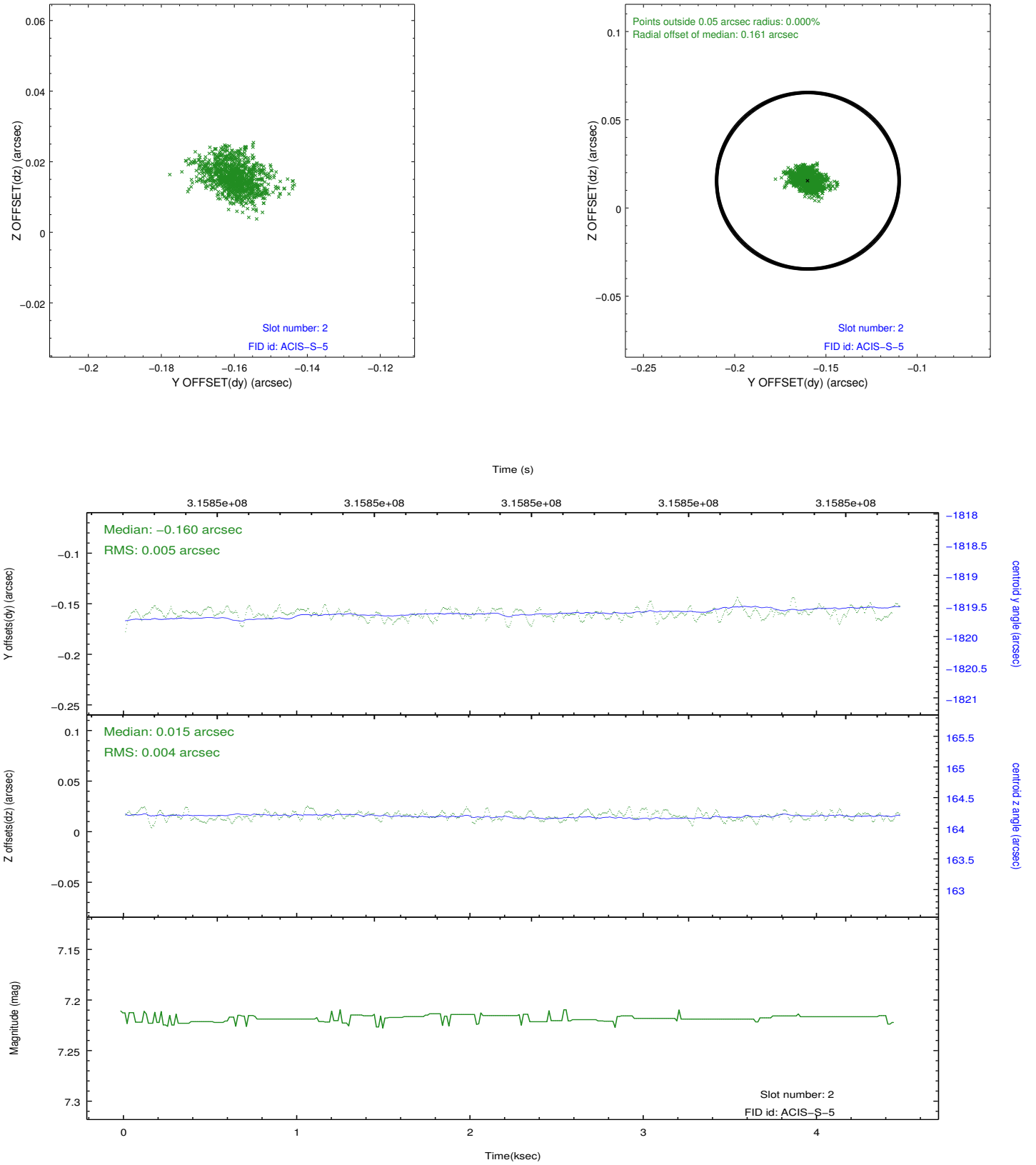
### 2.5.1 Slot 0



## 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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.46400003

### A.2 Comments

Joint proposal: HST+Spitzer