

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9614 - L2 Version 2  
Chandra X-Ray Center

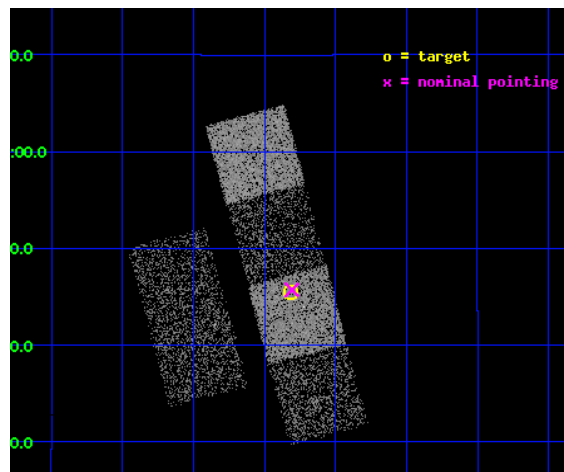
L2 Processing Date : May 10 2012

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# 1 Front

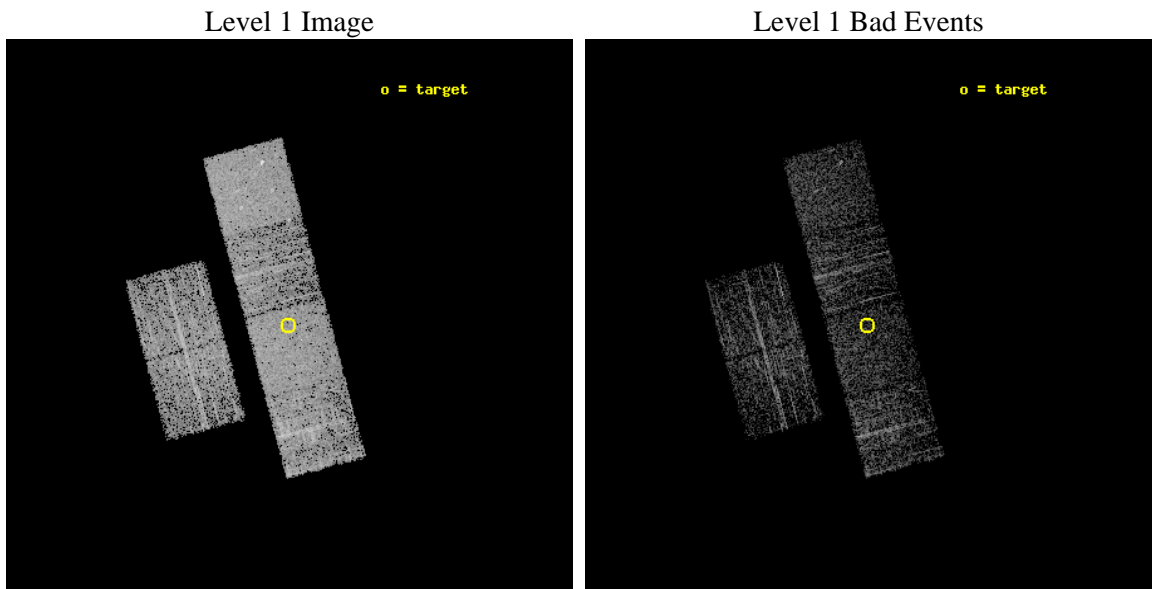
seq_num	900856	Sequence number
obs_id	9614	Observation id
title	GTO ChICAGO: Chandra Identification of Compact ASCA Galactic Objects	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J190818+0745	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.077917	Observer's specified target RA [deg]
dec_targ	7.757	Observer's specified target Dec [deg]
ra_nom	287.07663934548	Nominal RA [deg]
dec_nom	7.7620916148796	Nominal Dec [deg]
roll_nom	75.073737862584	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1452.7999946475	Sum of GTIs [s]
livetime	1434.4037663441	Livetime [s]
ontime2	1452.7999946475	Sum of GTIs [s]
ontime3	1452.7999946475	Sum of GTIs [s]
ontime5	1452.7999946475	Sum of GTIs [s]
ontime6	1452.7999946475	Sum of GTIs [s]
ontime7	1452.7999946475	Sum of GTIs [s]
ontime8	1452.7999946475	Sum of GTIs [s]
l2events	23234	Number of level 2 events



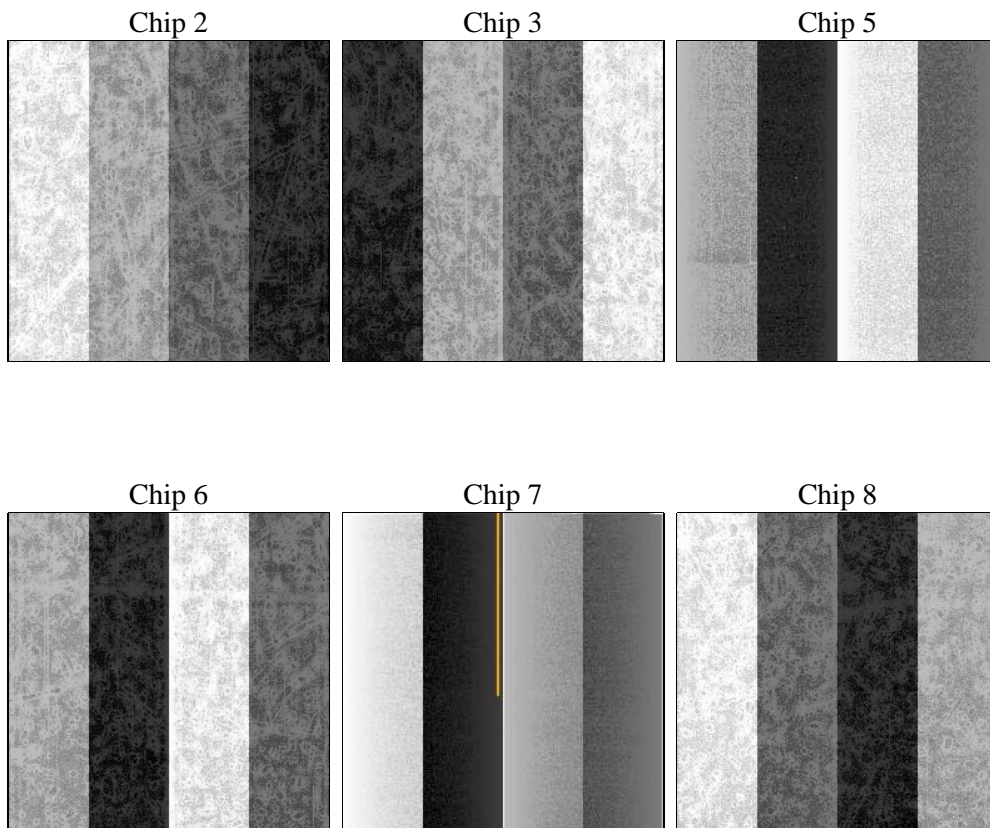
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1452.7999946475	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	1452.7999946475	Sum of GTIs [s]
date	2012-05-10T10:50:25	Date and time of file creation	ontime3	1452.7999946475	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1452.7999946475	Sum of GTIs [s]
			ontime6	1452.7999946475	Sum of GTIs [s]
			ontime7	1452.7999946475	Sum of GTIs [s]
			ontime8	1452.7999946475	Sum of GTIs [s]
			l1events	166368	Number of level 1 events

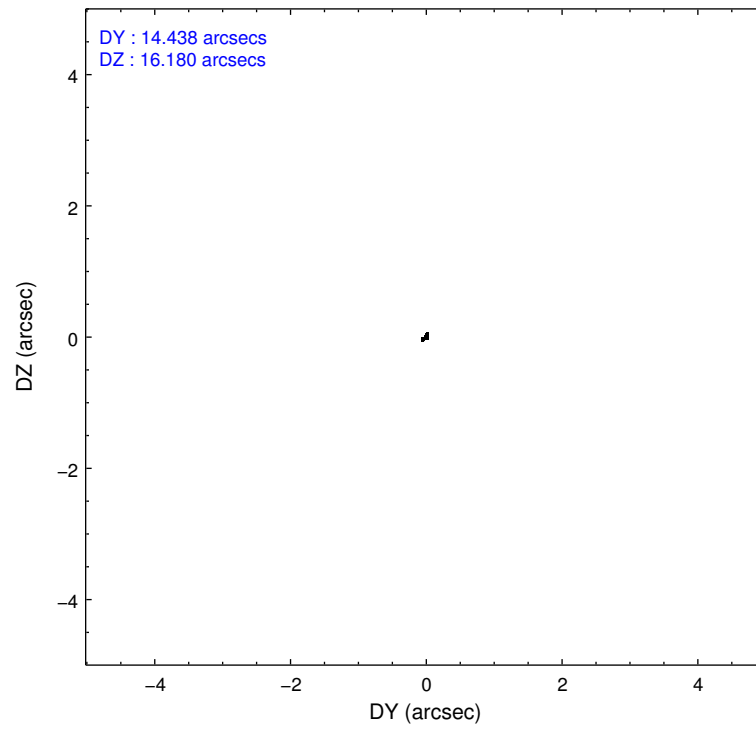
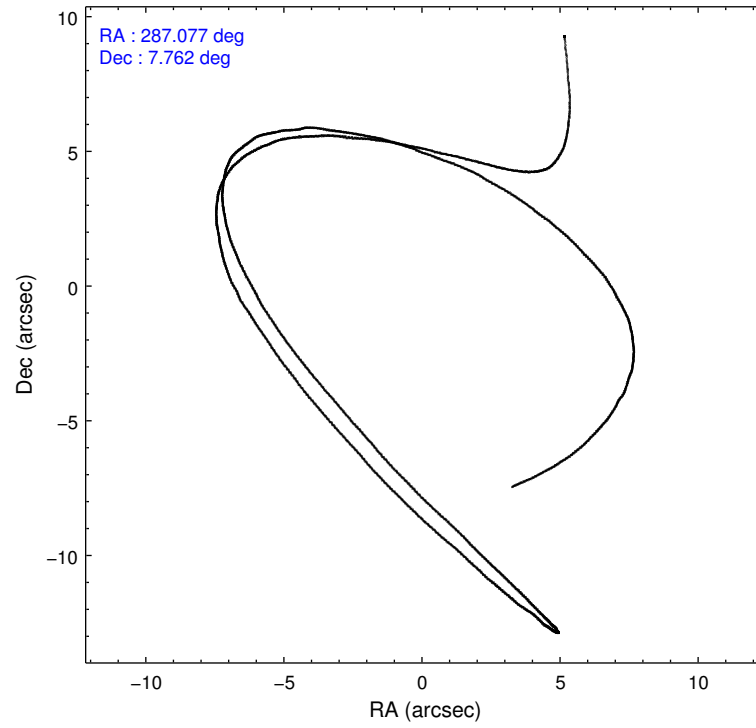
### 2.1.4 Events

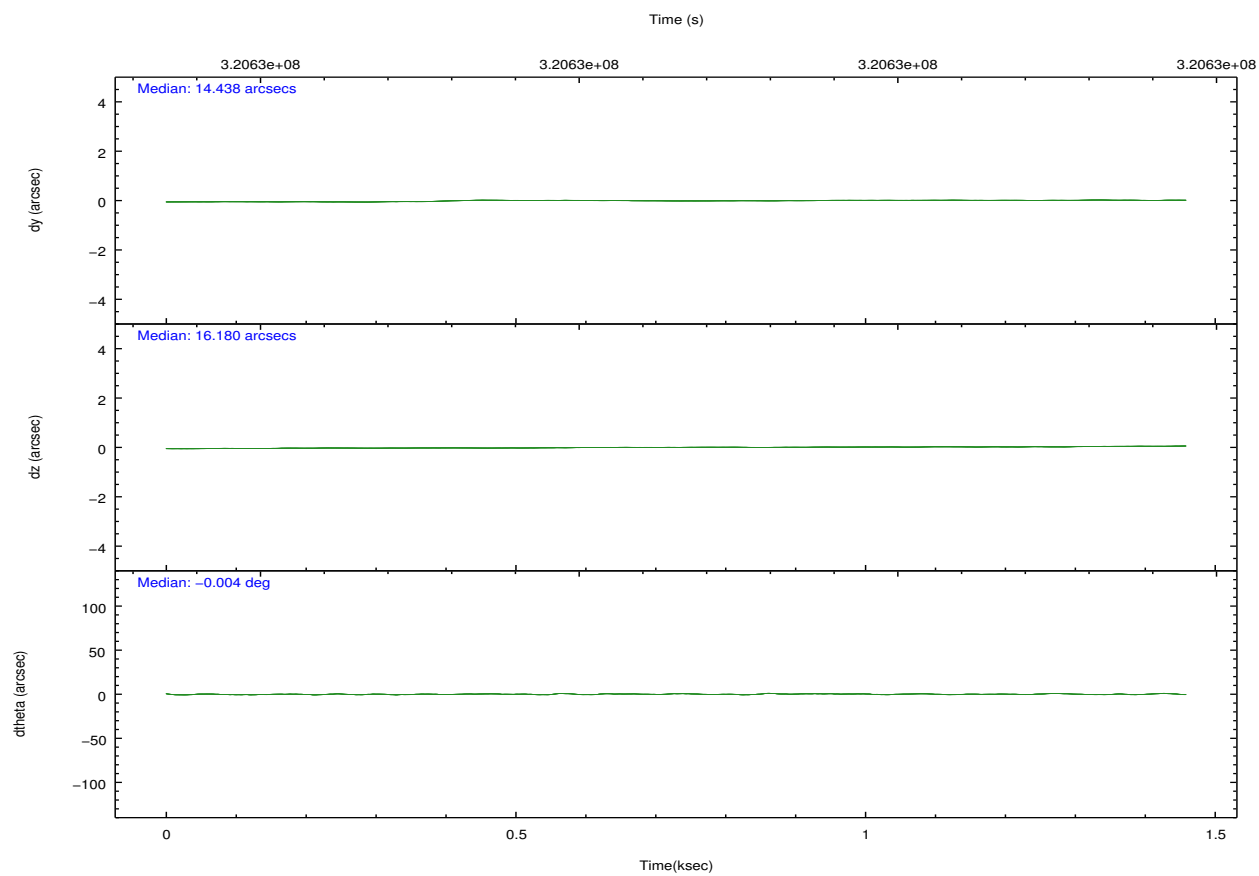
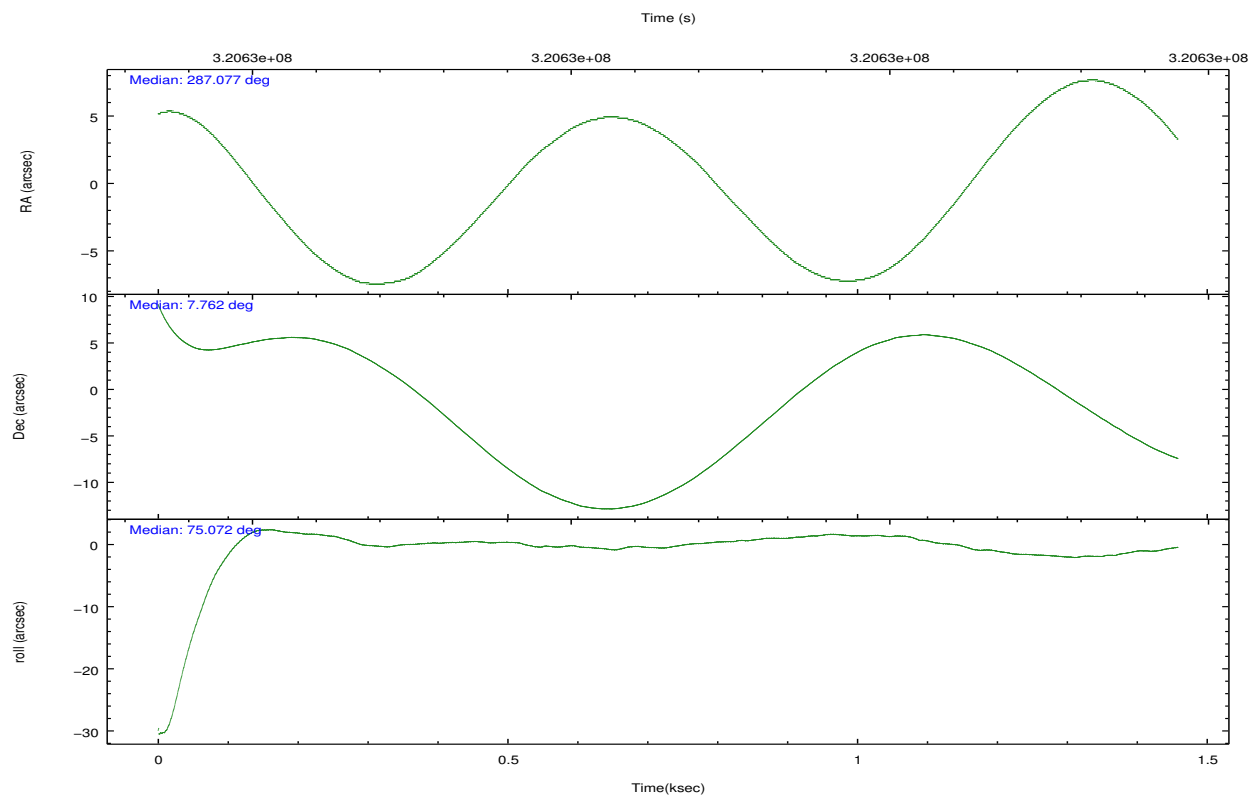
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22766	22980	35660	23750	31587	29625	grade 0 events	1280	1241	1764	1216	1168	2115
rejected events	21007	21240	25750	22024	23597	25652		5%	5%	4%	5%	3%	7%
rejected %	92%	92%	72%	92%	74%	86%	grade 1 events	20	14	64	13	38	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	596	606	5097	560	2764	1481
								2%	2%	14%	2%	8%	4%
							grade 3 events	250	256	572	276	1148	718
								1%	1%	1%	1%	3%	2%
							grade 4 events	249	236	527	260	1096	633
								1%	1%	1%	1%	3%	2%
							grade 5 events	945	1013	2425	1090	2982	1476
								4%	4%	6%	4%	9%	4%
							grade 6 events	474	487	8511	559	7046	1765
								2%	2%	23%	2%	22%	5%
							grade 7 events	18952	19127	16700	19776	15345	21421
								83%	83%	46%	83%	48%	72%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	287.084044	287.0766393454783	CCD I2 on	O2	Y
[deg] Pointing Dec	7.735335	7.762091614879572	CCD I3 on	O3	Y
[deg] Pointing Roll	74.916412	75.07373786258411	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	320628575.184000	320627054.46245	CCD S5 on	N	N
Observation start date	2008-02-28T23:28:30	2008-02-28T23:04:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	320629875.184000	320630858.75013	On-chip summing requested	N	N
Observation end date	2008-02-28T23:50:10	2008-02-29T00:07:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





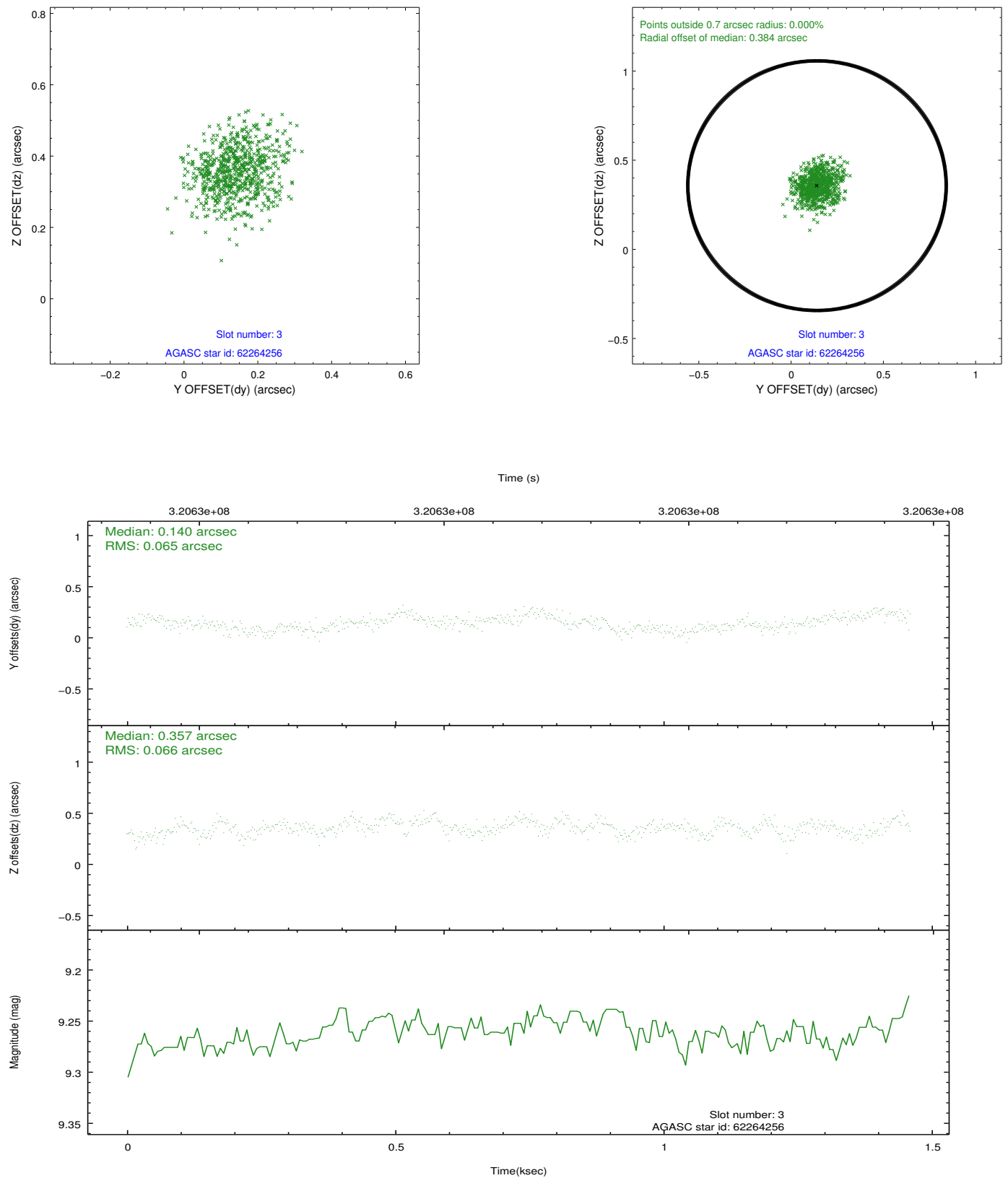
### Slot Statistics

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	356	-0.071	-0.026	0.007	0.012	0.000000	0.000000	-767.46	-1737.56
1	FID	ACIS-S-4	7.18	356	0.187	0.042	0.005	0.011	0.000000	0.000000	2144.00	166.26
2	FID	ACIS-S-5	7.22	356	-0.147	-0.006	0.007	0.013	0.000000	0.000000	-1814.55	165.07
3	GUIDE	62264256	9.26	711	0.140	0.357	0.099	0.157	287.525458	7.120381	-1727.94	-2098.00
4	GUIDE	136317984	8.48	713	-0.170	-0.216	0.080	0.129	286.813953	8.124970	1099.87	1291.59
5	GUIDE	62131288	8.91	713	0.163	0.014	0.074	0.122	286.511515	7.349040	-1873.68	1614.23
6	GUIDE	62128544	6.10	713	0.214	-0.145	0.062	0.098	286.736928	7.151726	-2354.92	652.81
7	GUIDE	136316568	8.92	712	-0.349	0.014	0.098	0.152	286.954278	8.457736	2385.51	1124.19

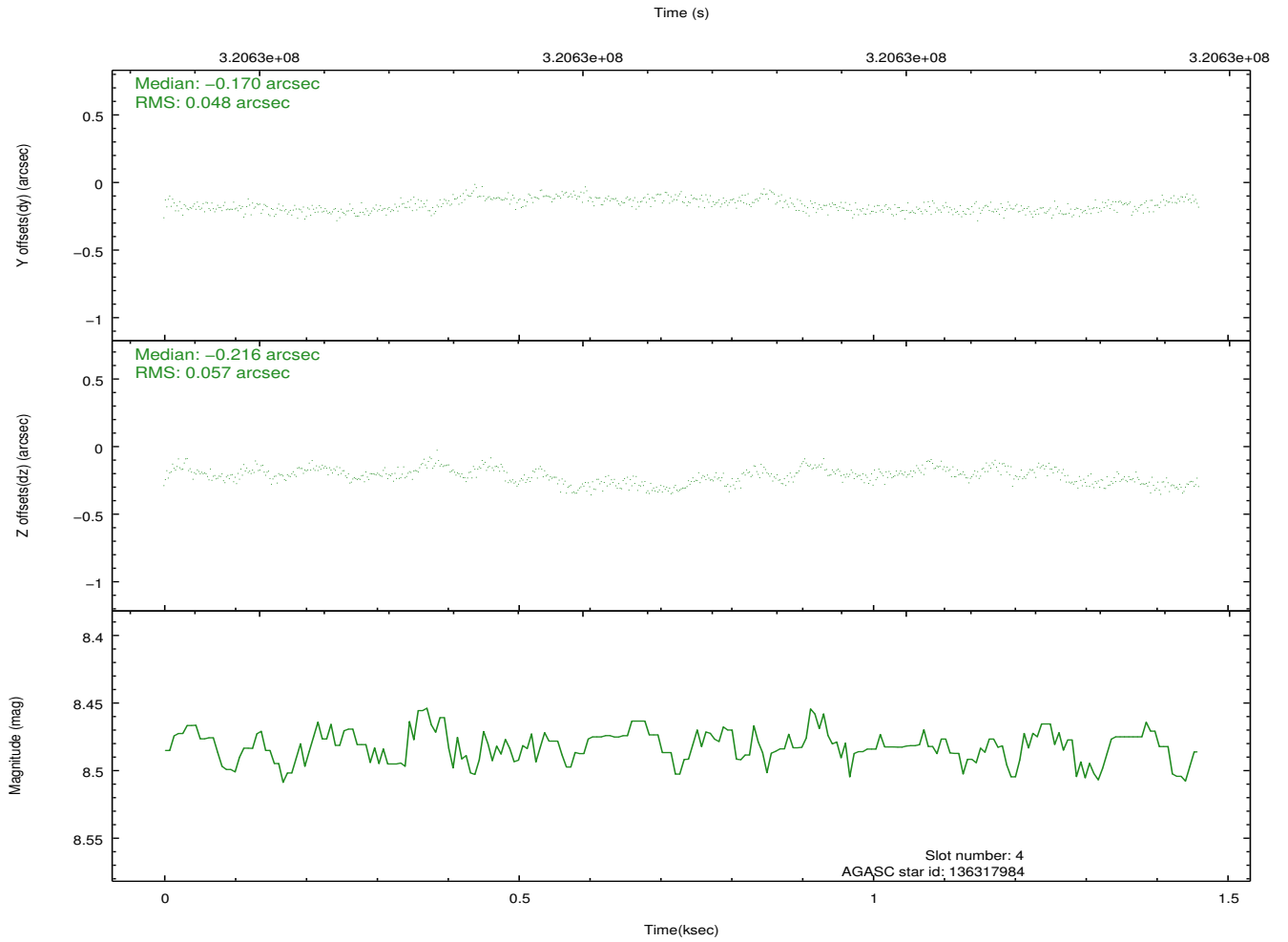
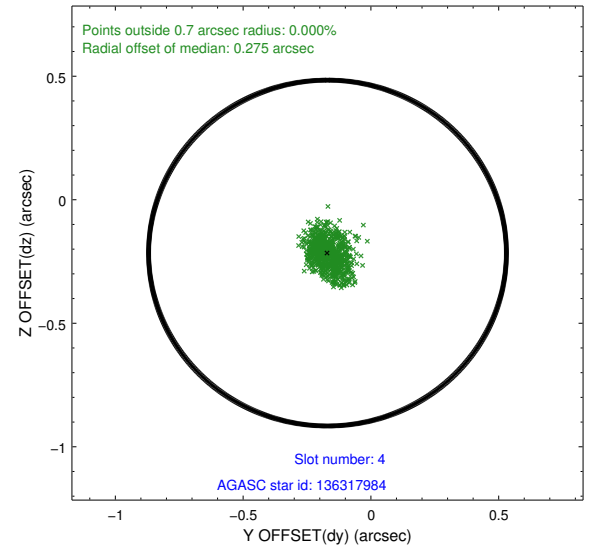
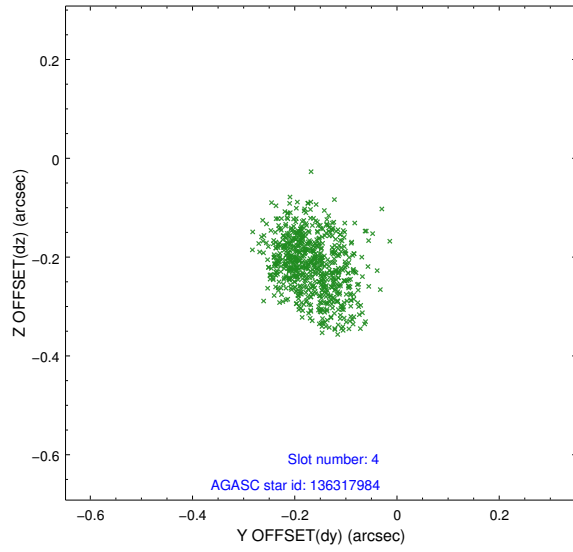


## 2.4 Star Slots

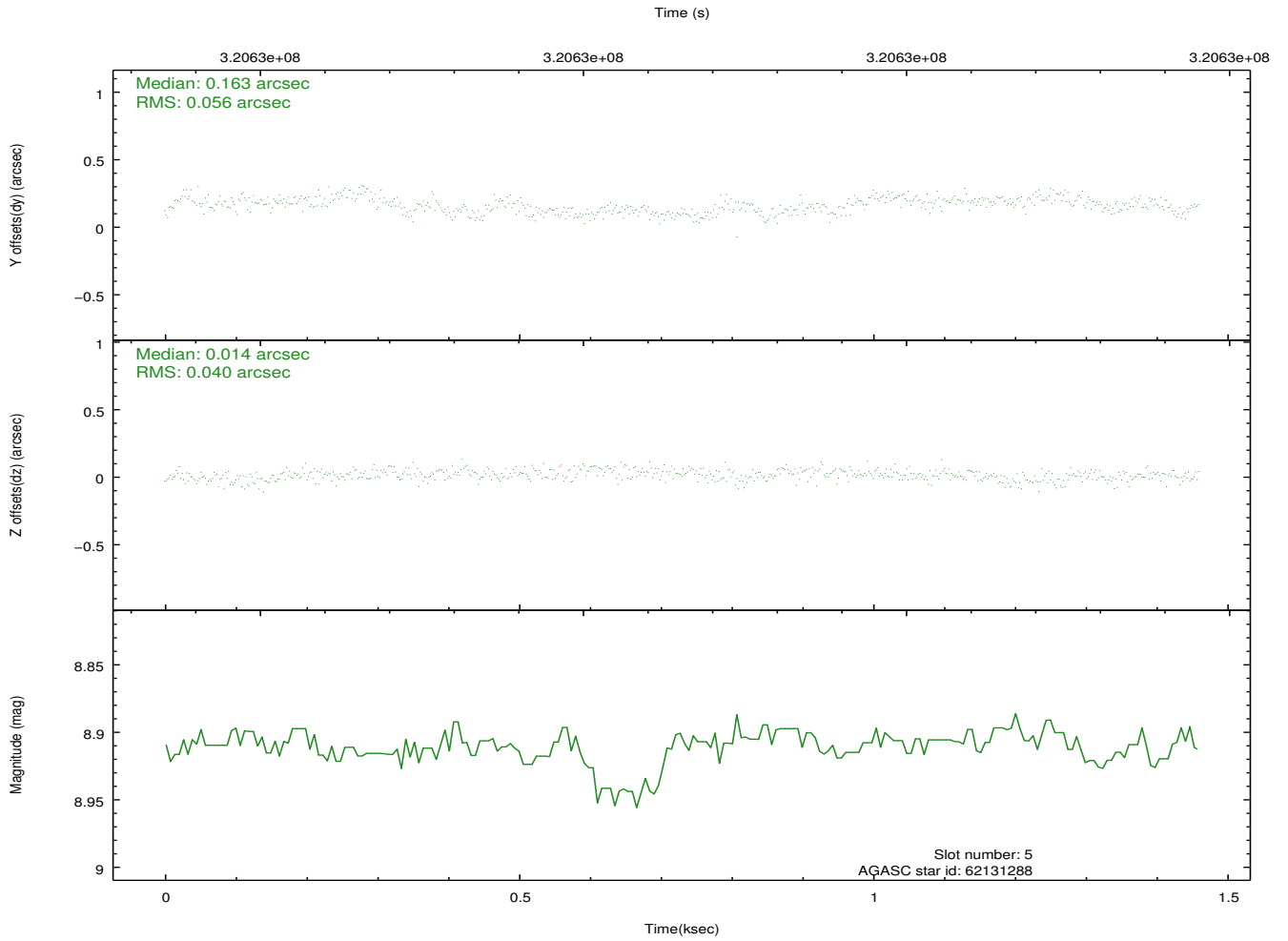
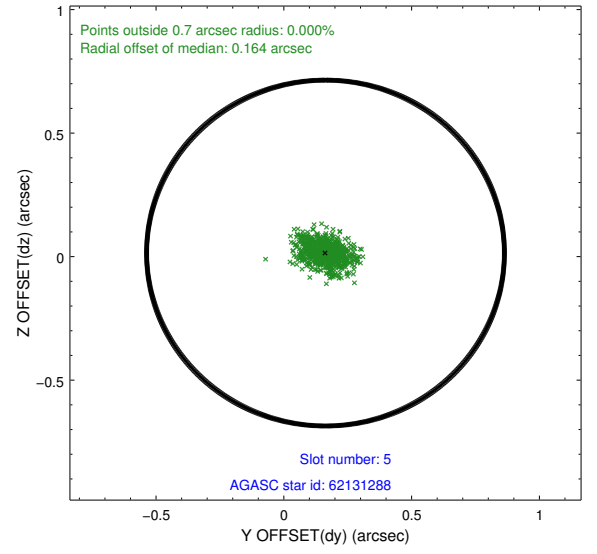
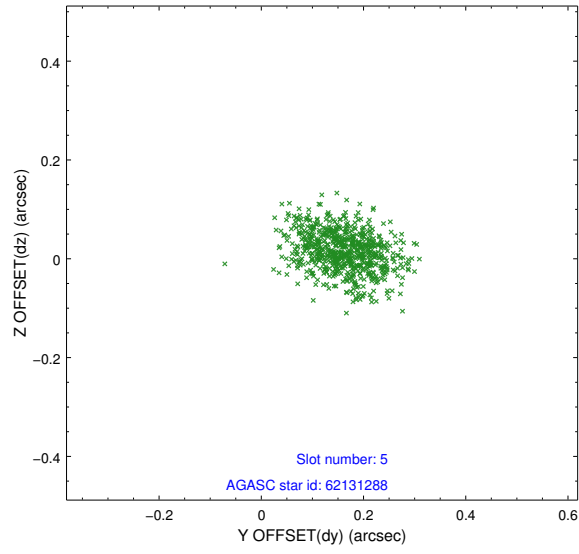
### 2.4.1 Slot 3



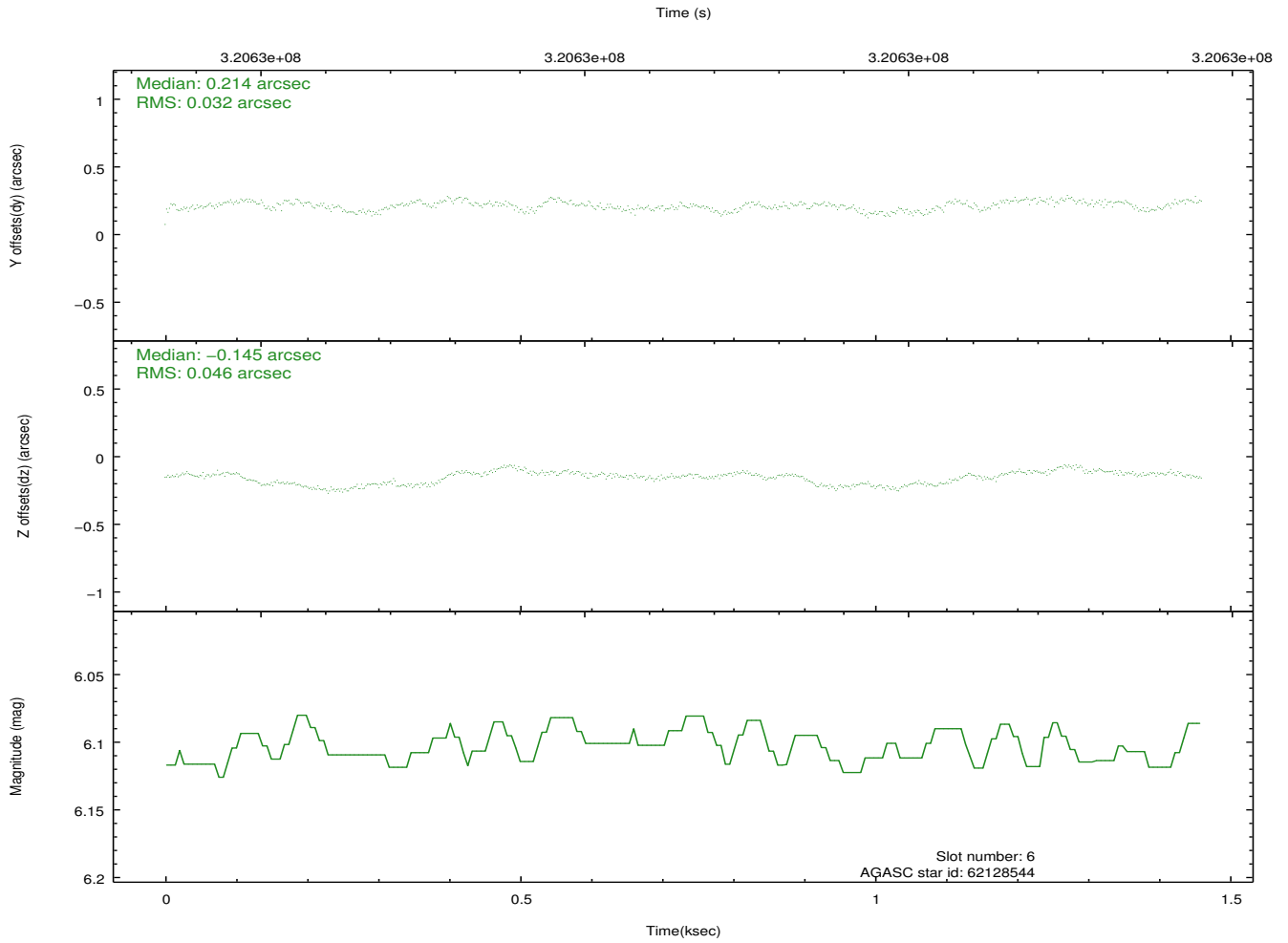
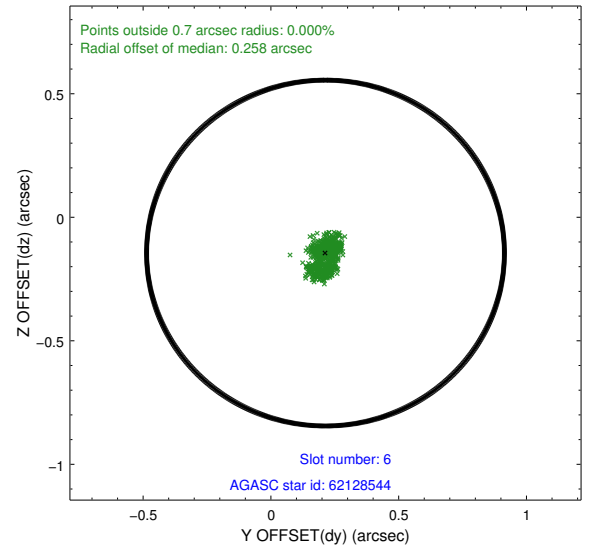
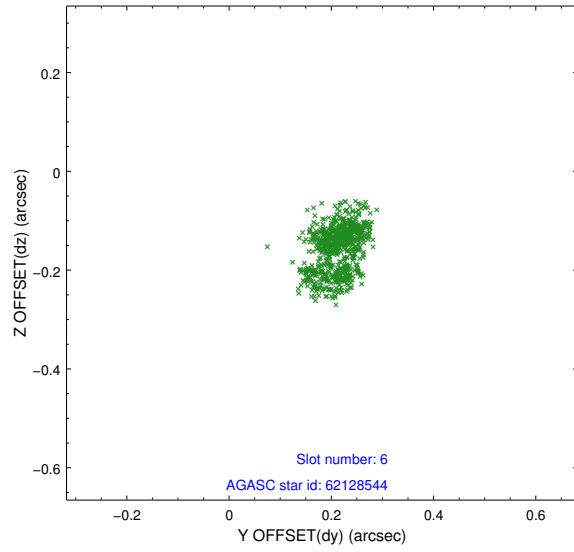
## 2.4.2 Slot 4



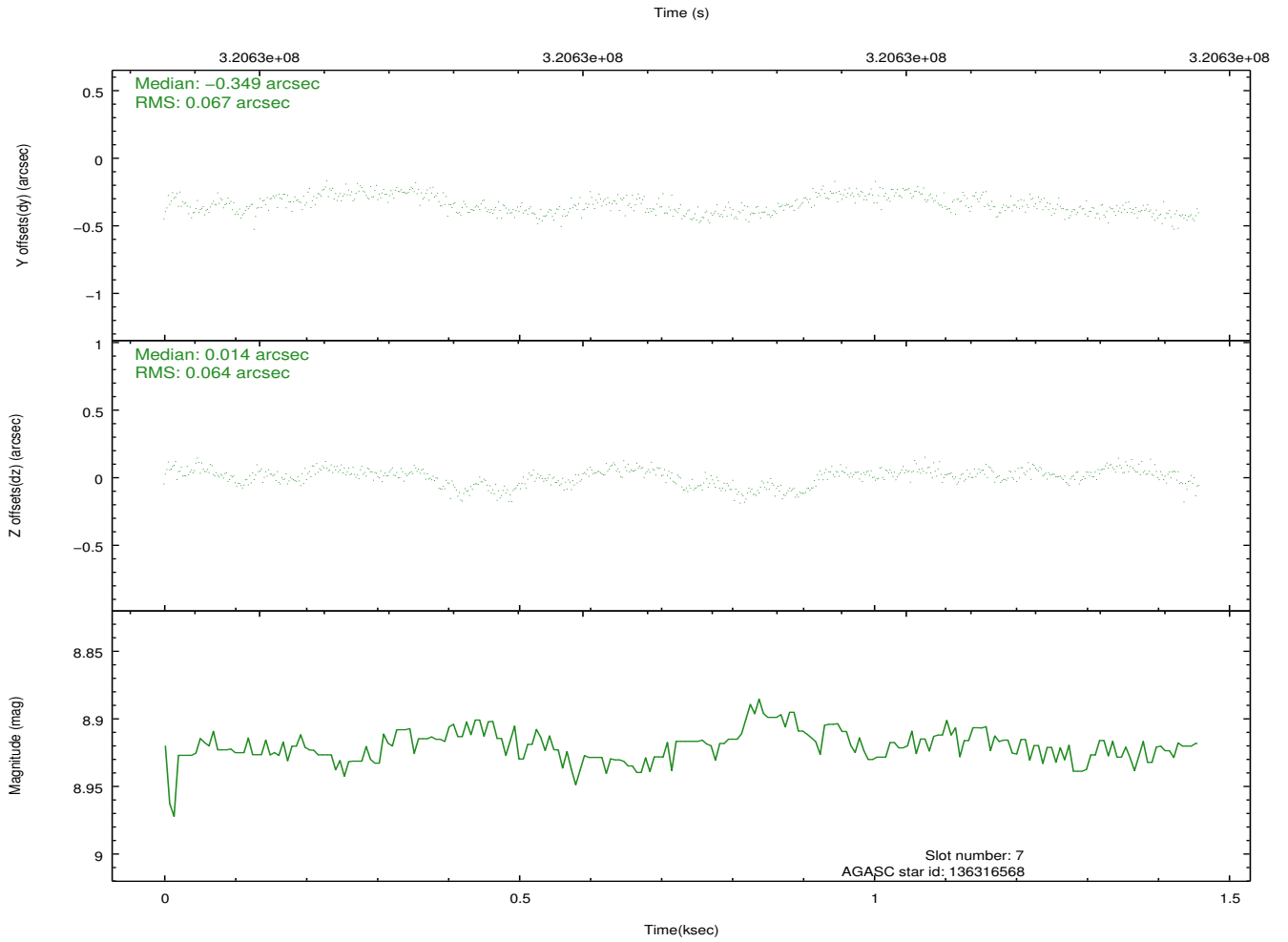
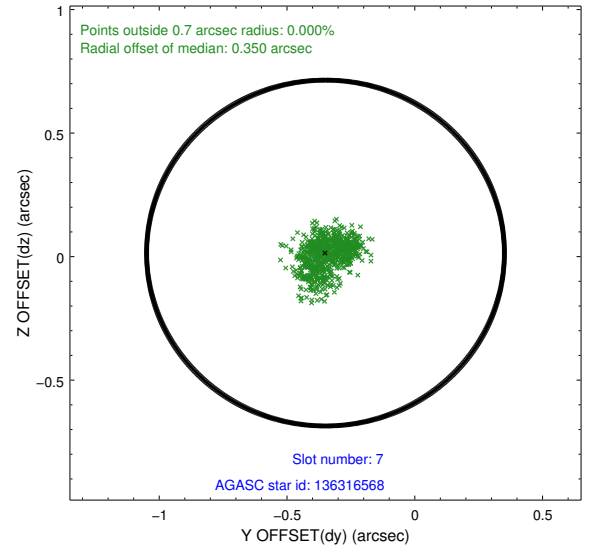
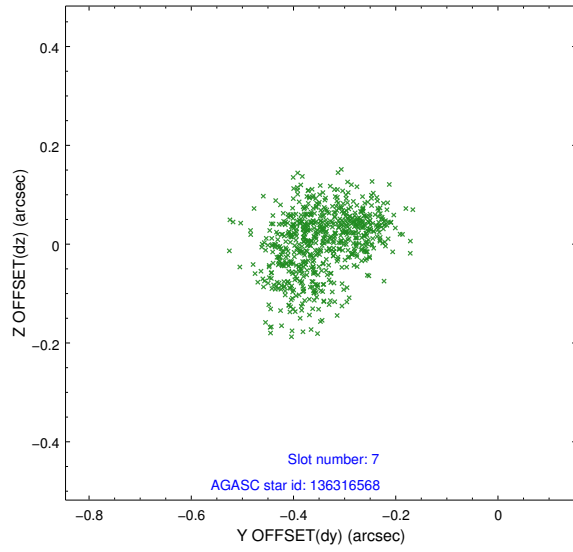
### 2.4.3 Slot 5



## 2.4.4 Slot 6

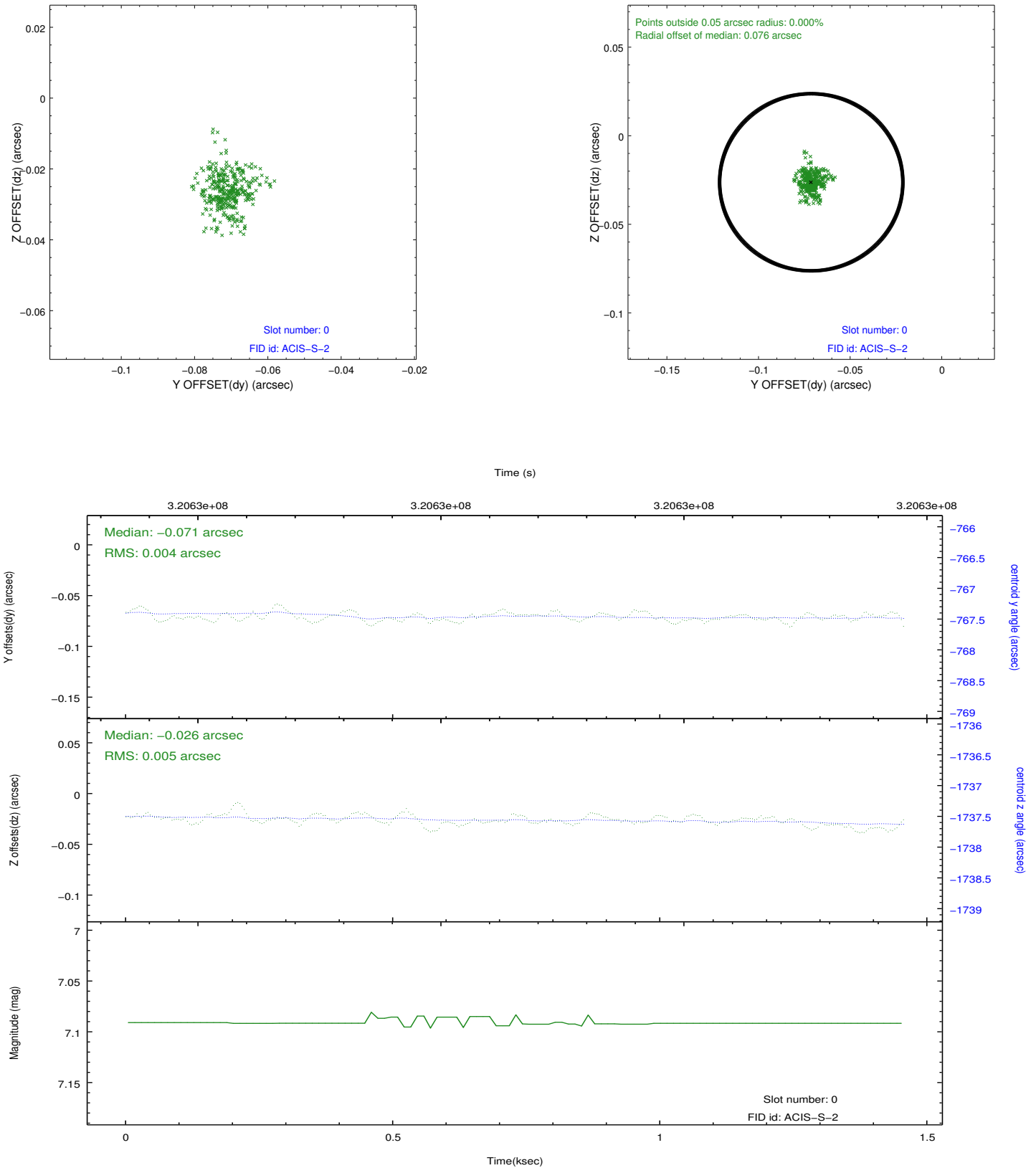


## 2.4.5 Slot 7

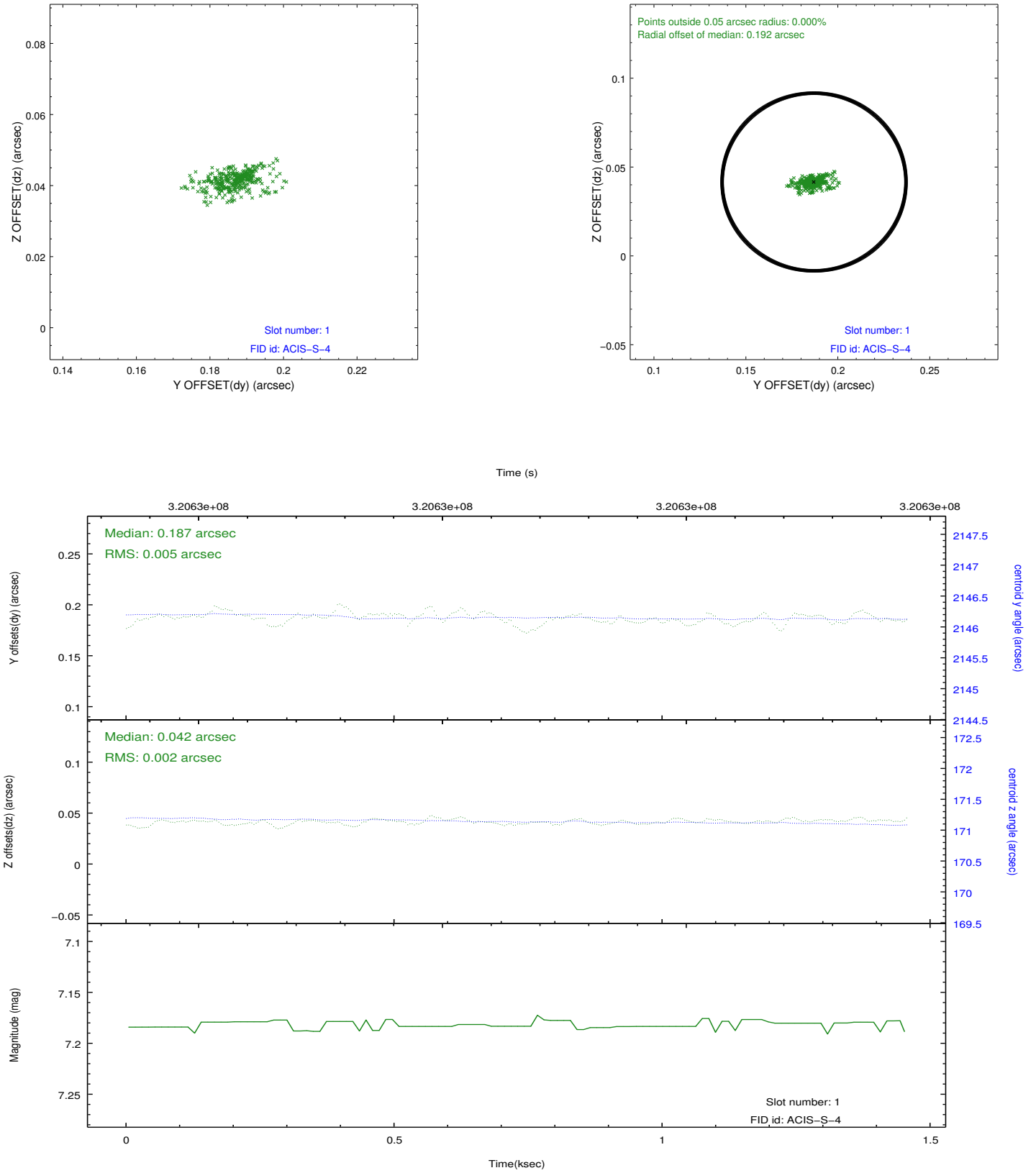


## 2.5 FID Slots

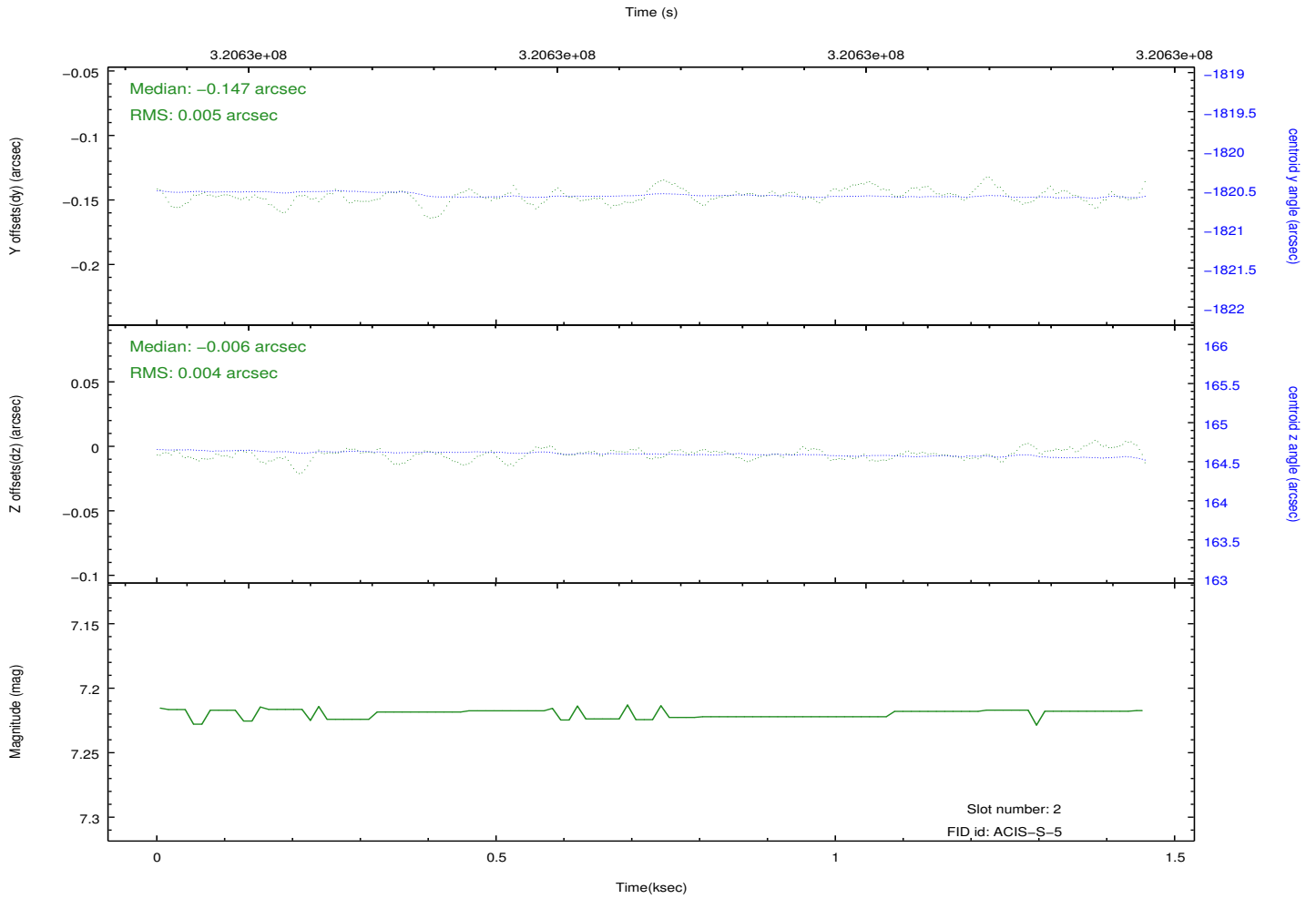
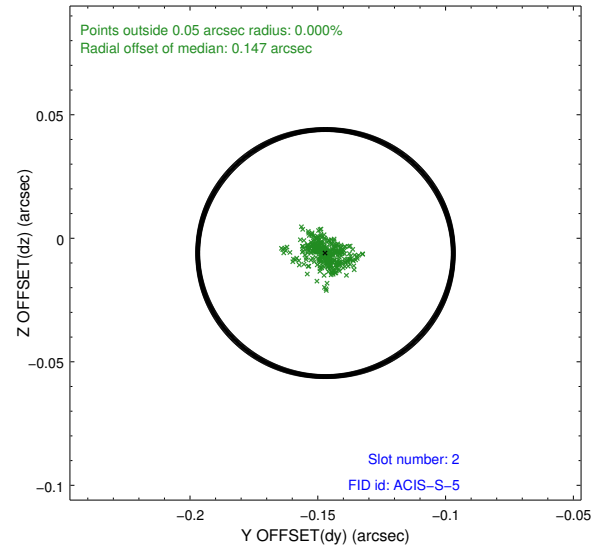
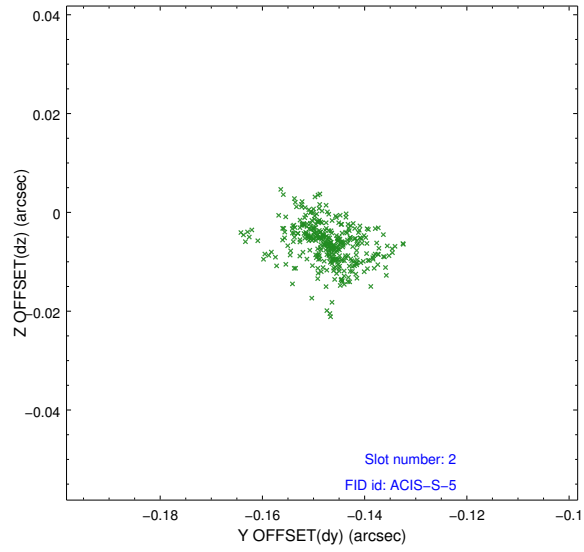
### 2.5.1 Slot 0



## 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)	2012.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.45279999

### A.2 Comments