

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9606 - L2 Version 2  
Chandra X-Ray Center

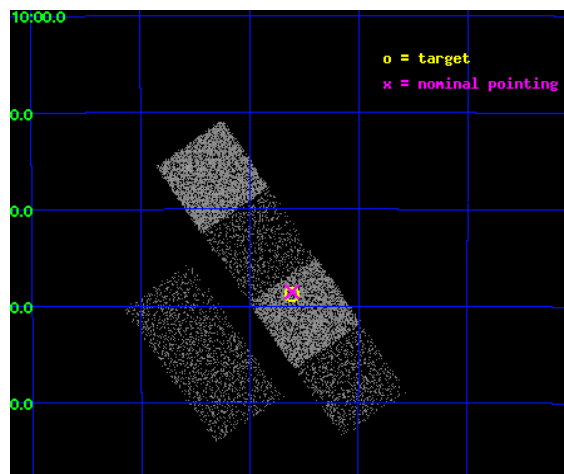
L2 Processing Date : May 14 2012

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# 1 Front

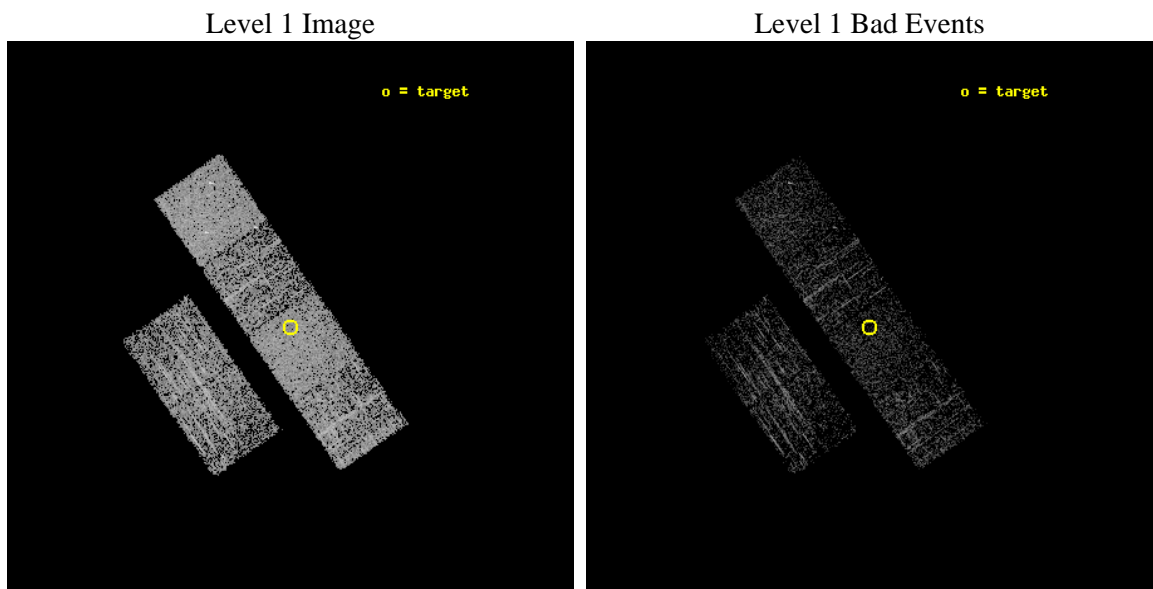
seq_num	900848	Sequence number
obs_id	9606	Observation id
title	GTO ChICAGO: Chandra Identification of Compact ASCA Galactic Objects	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J170536-4038	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.402917	Observer's specified target RA [deg]
dec_targ	-40.647	Observer's specified target Dec [deg]
ra_nom	256.40309120418	Nominal RA [deg]
dec_nom	-40.642497012647	Nominal Dec [deg]
roll_nom	55.209127786244	Nominal Roll [deg]
revision	2	Processing version of data
ontime	950.39999651909	Sum of GTIs [s]
livetime	938.36545950099	Livetime [s]
ontime2	950.39999651909	Sum of GTIs [s]
ontime3	950.39999651909	Sum of GTIs [s]
ontime5	950.39999651909	Sum of GTIs [s]
ontime6	950.39999651909	Sum of GTIs [s]
ontime7	950.39999651909	Sum of GTIs [s]
ontime8	950.39999651909	Sum of GTIs [s]
l2events	15679	Number of level 2 events



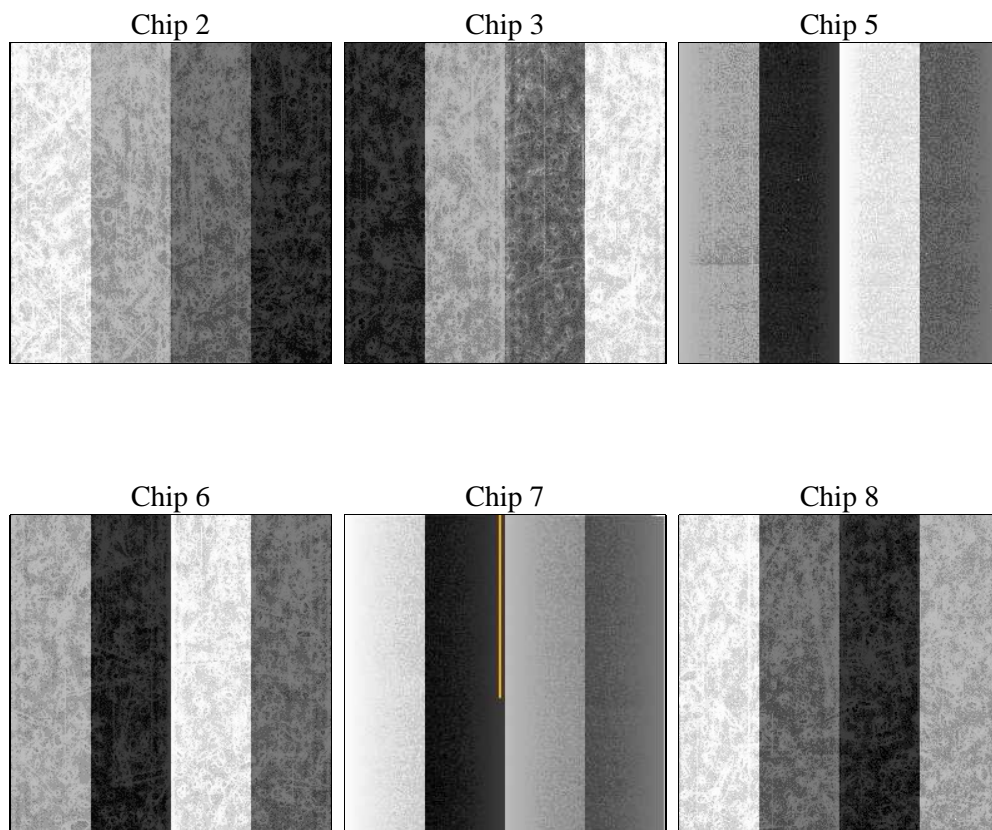
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	950.39999651909	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	950.39999651909	Sum of GTIs [s]
date	2012-05-14T20:12:39	Date and time of file creation	ontime3	950.39999651909	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	950.39999651909	Sum of GTIs [s]
			ontime6	950.39999651909	Sum of GTIs [s]
			ontime7	950.39999651909	Sum of GTIs [s]
			ontime8	950.39999651909	Sum of GTIs [s]
			l1events	67458	Number of level 1 events

### 2.1.4 Events

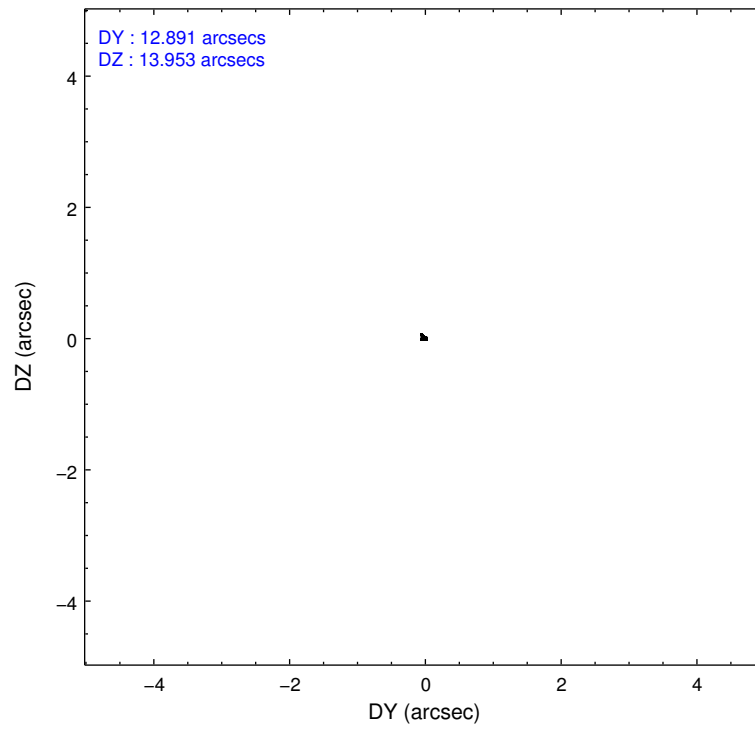
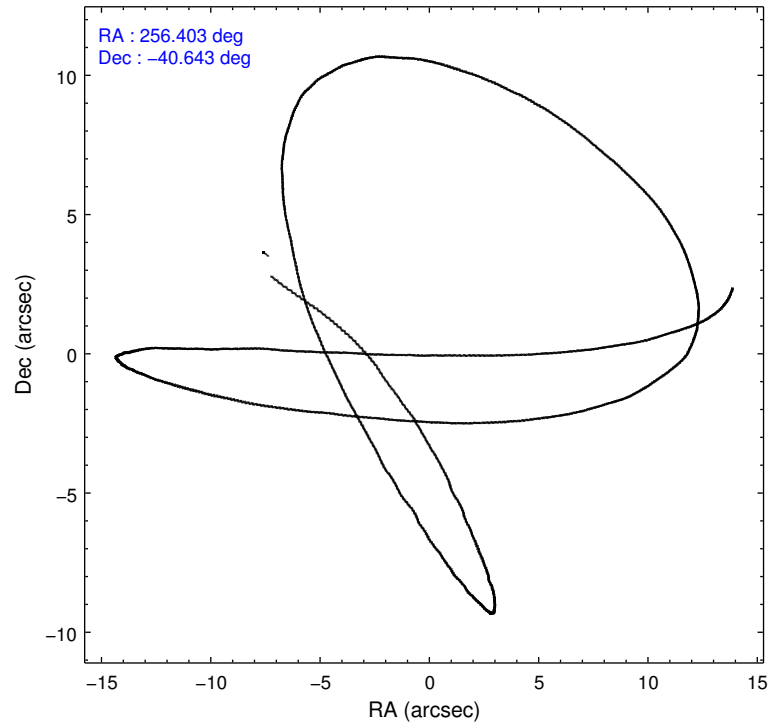
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	9632	9389	14707	9270	12823	11637
rejected events	8466	8247	7959	8175	7328	8921
rejected %	87%	87%	54%	88%	57%	76%

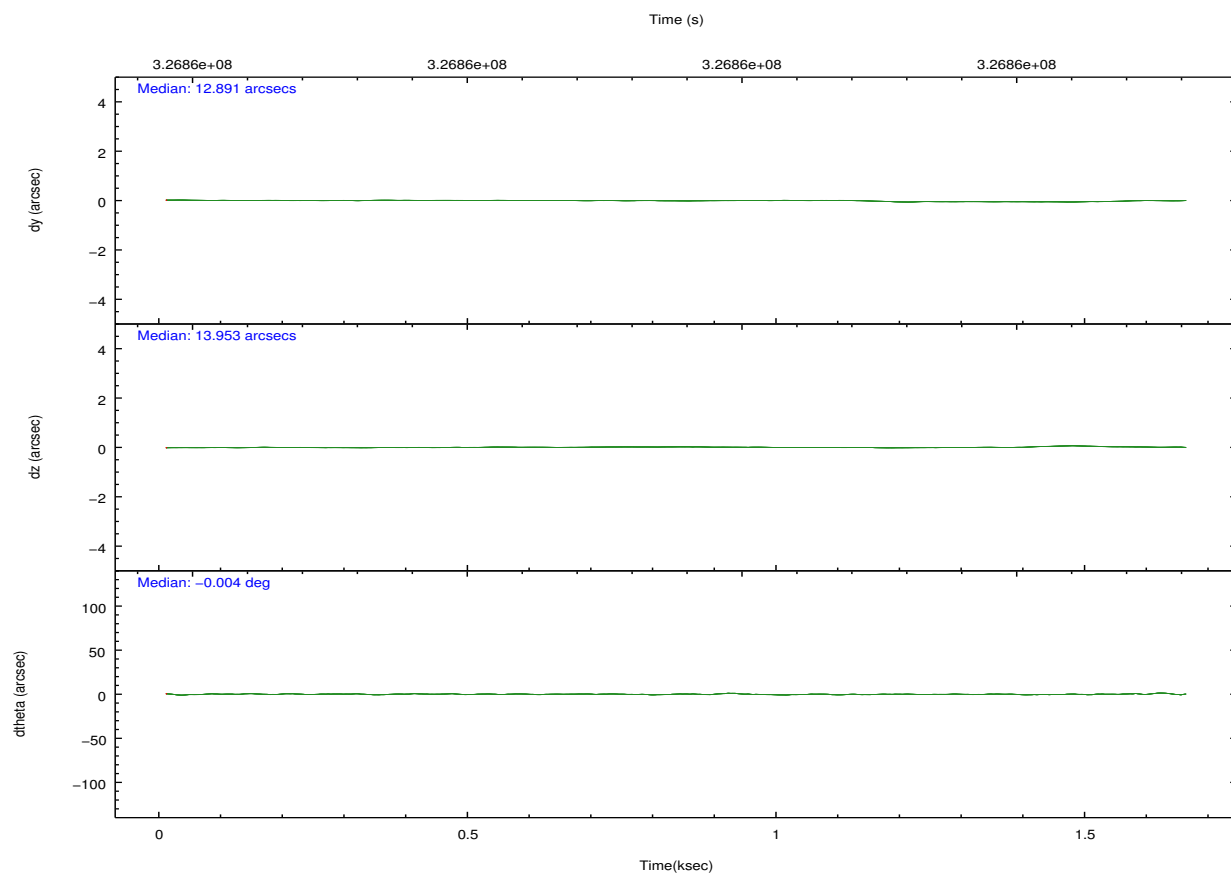
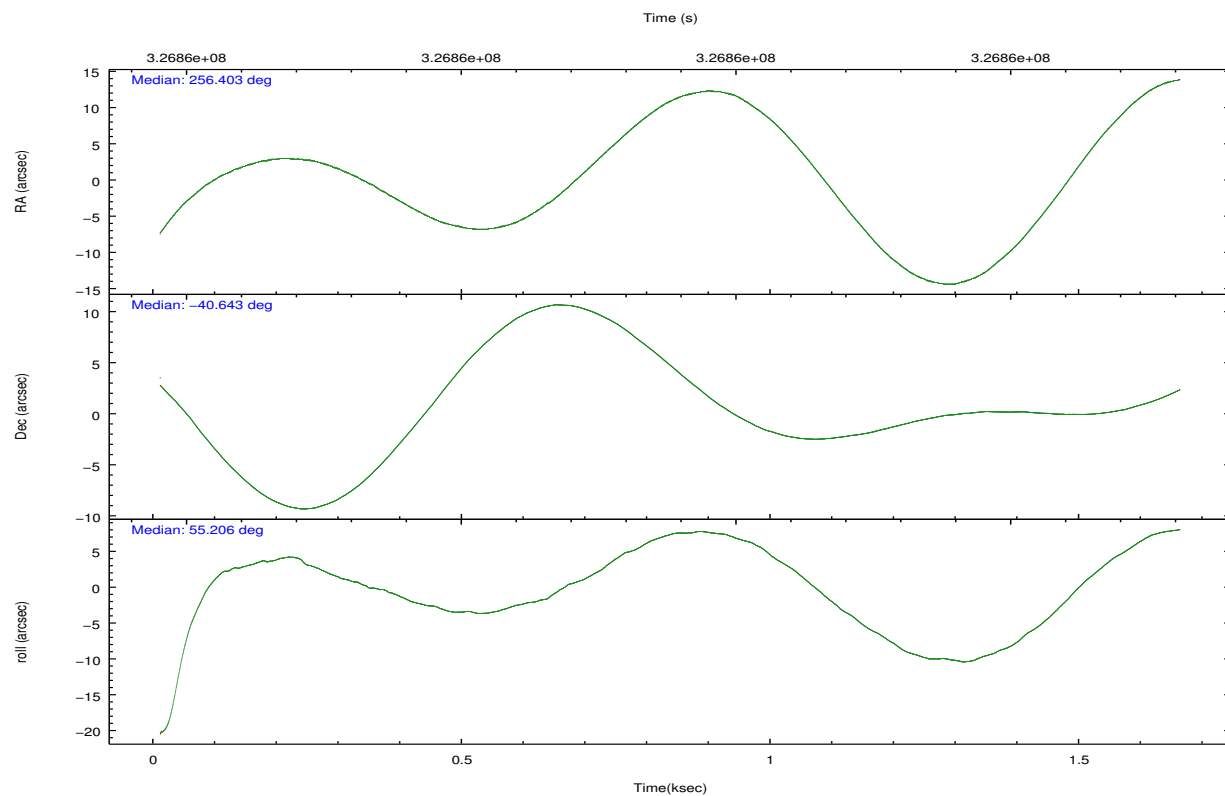
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	497	514	737	432	491	806
	5%	5%	5%	4%	3%	6%
grade 1 events	5	6	52	3	17	12
	0%	0%	0%	0%	0%	0%
grade 2 events	252	240	2079	246	1158	603
	2%	2%	14%	2%	9%	5%
grade 3 events	119	104	243	105	514	294
	1%	1%	1%	1%	4%	2%
grade 4 events	95	103	214	99	482	247
	0%	1%	1%	1%	3%	2%
grade 5 events	413	433	1081	463	1189	565
	4%	4%	7%	4%	9%	4%
grade 6 events	205	191	3516	226	2867	799
	2%	2%	23%	2%	22%	6%
grade 7 events	8046	7798	6785	7696	6105	8311
	83%	83%	46%	83%	47%	71%

## 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	256.400748	256.4030912041804	CCD I2 on	O2	Y
[deg] Pointing Dec	-40.669436	-40.64249701264706	CCD I3 on	O3	Y
[deg] Pointing Roll	55.051087	55.20912778624447	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	326862714.184000	326861520.91588	CCD S5 on	N	N
Observation start date	2008-05-11T03:10:49	2008-05-11T02:52:00	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	326863714.184000	326864206.41601	On-chip summing requested	N	N
Observation end date	2008-05-11T03:27:29	2008-05-11T03:36:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





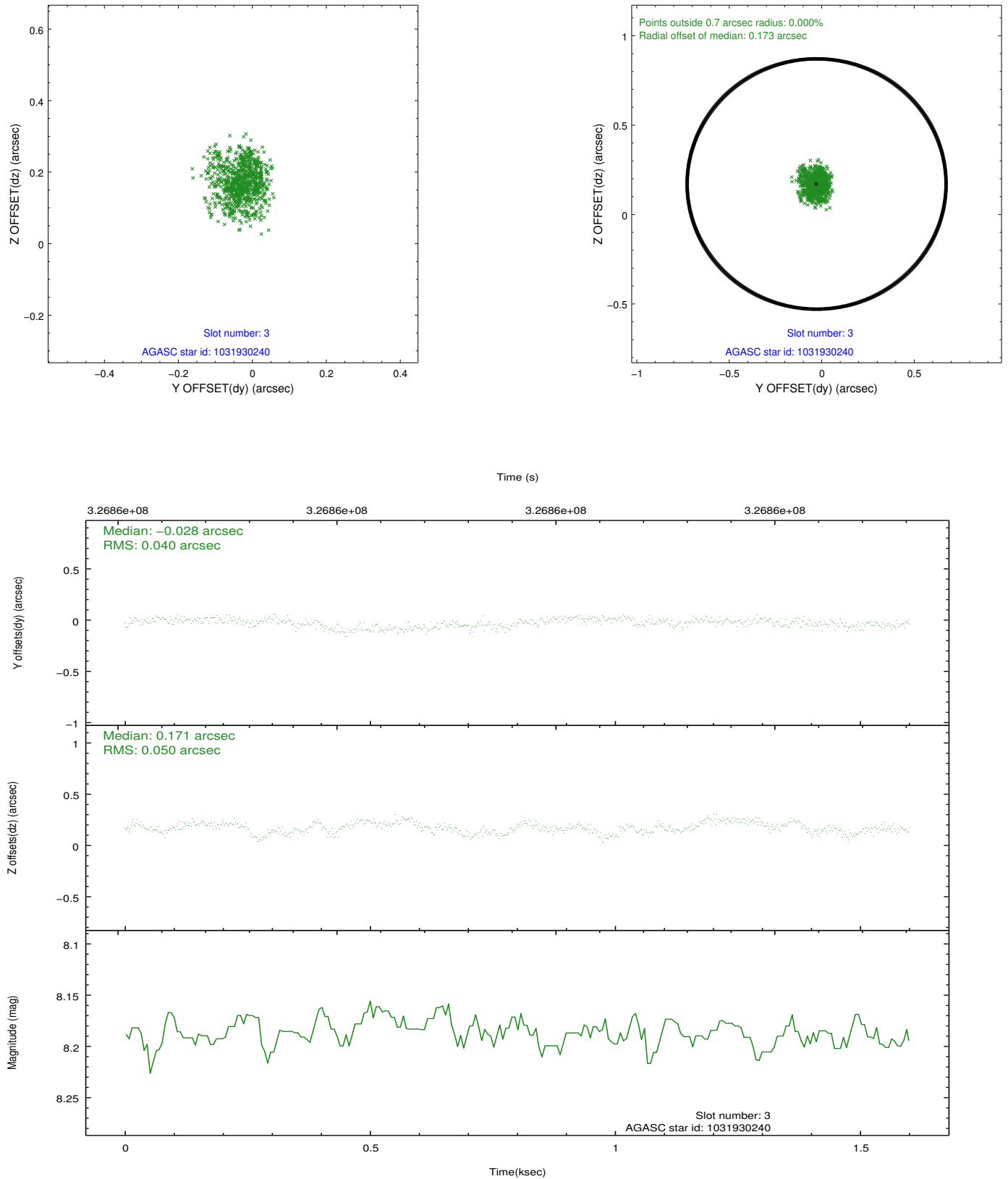
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	404	-0.033	-0.022	0.007	0.012	0.000000	0.000000	-765.81	-1735.34
1	FID	ACIS-S-4	6.97	404	0.129	0.022	0.007	0.012	0.000000	0.000000	2145.79	169.08
2	FID	ACIS-S-5	7.00	404	-0.127	0.009	0.007	0.013	0.000000	0.000000	-1813.65	167.24
3	GUIDE	1031930240	8.19	782	-0.028	0.171	0.070	0.108	257.160708	-40.849868	647.28	-2072.75
4	GUIDE	1031937520	8.19	807	0.128	0.050	0.070	0.111	256.333720	-41.104608	-1385.71	-750.54
5	GUIDE	1031938144	8.48	807	0.186	-0.114	0.071	0.115	255.693343	-40.912652	-1826.51	1070.73
6	GUIDE	1031938400	8.58	807	-0.093	-0.157	0.119	0.170	256.247715	-40.044226	1602.04	1636.54
7	GUIDE	1031930528	9.37	806	-0.192	0.062	0.131	0.202	257.084480	-40.240390	2339.83	-656.84

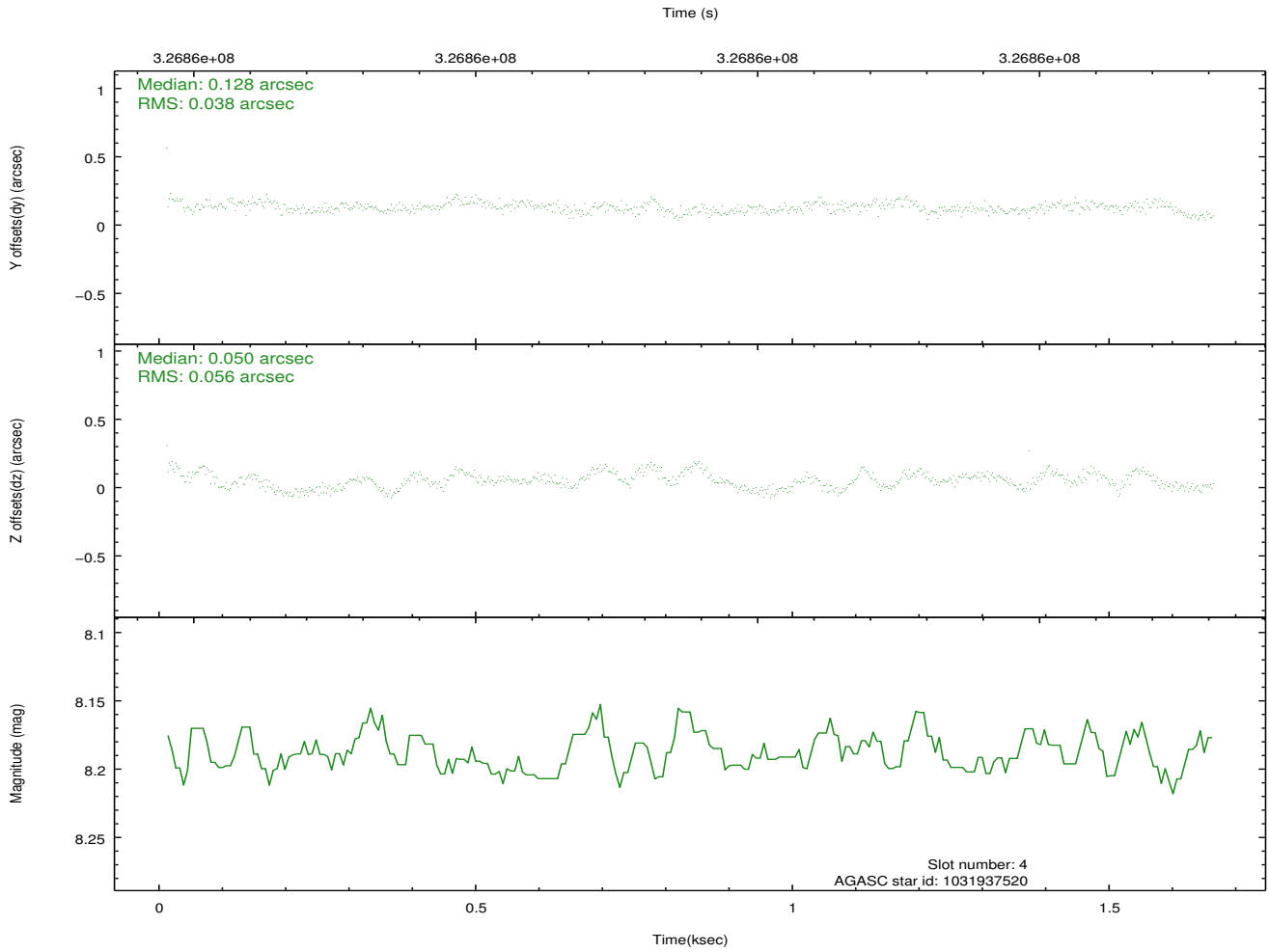
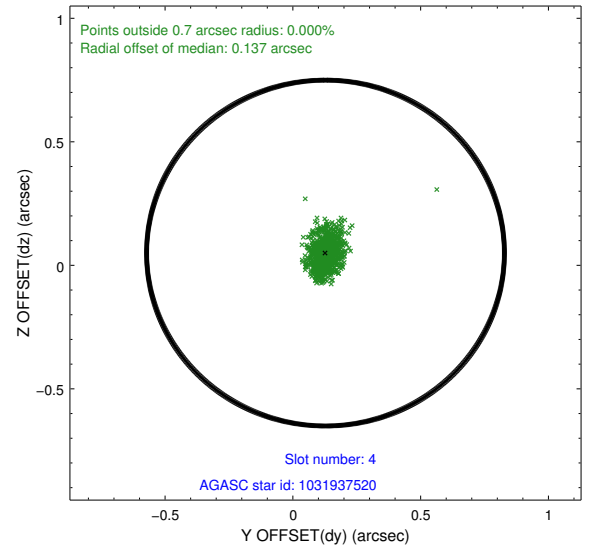
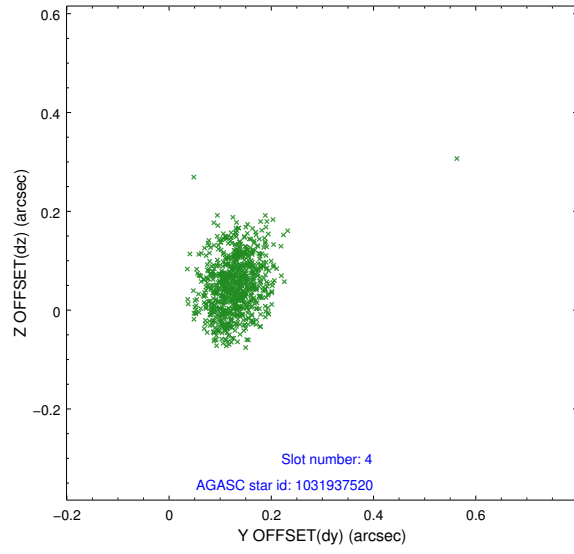


## 2.4 Star Slots

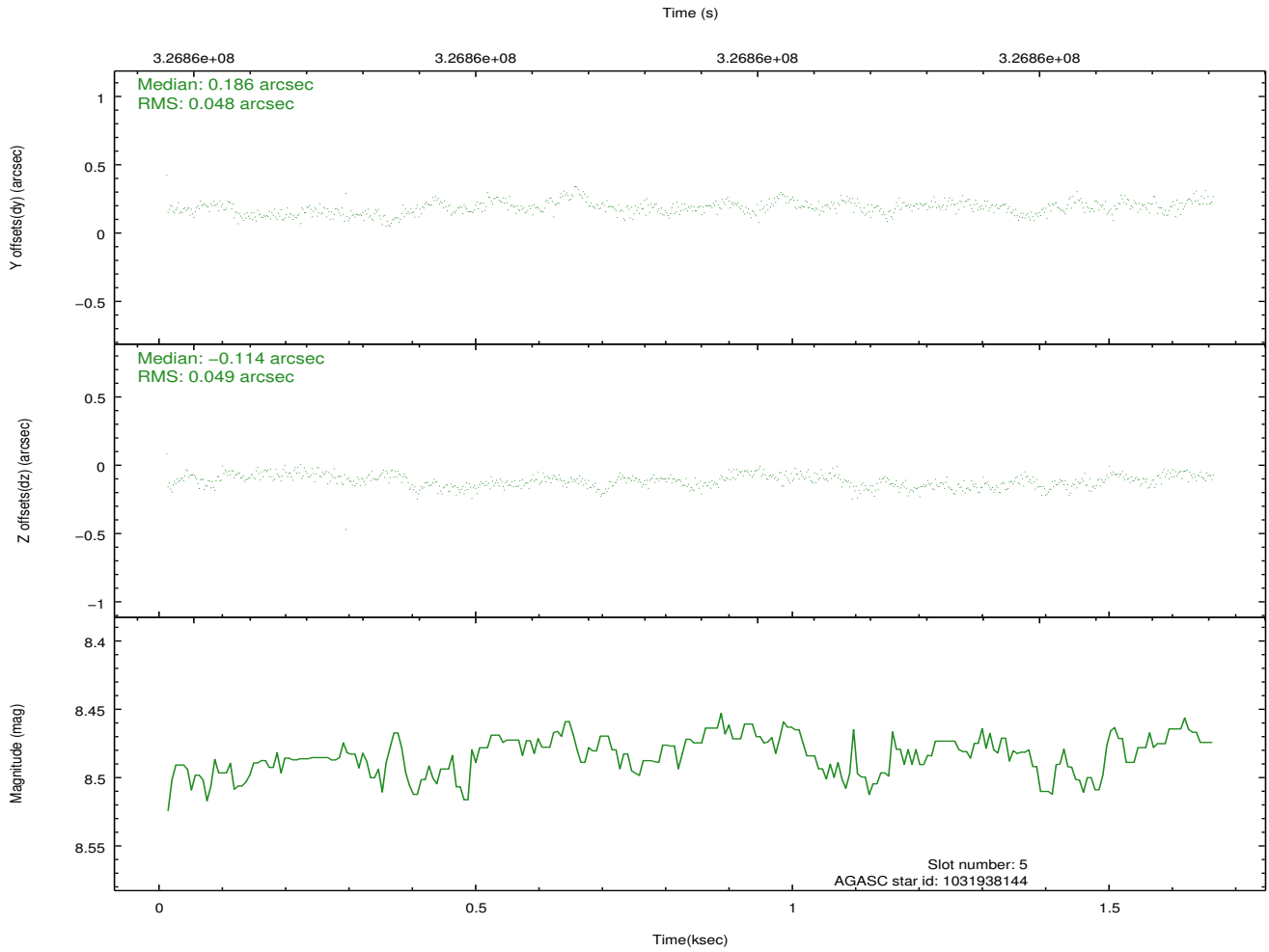
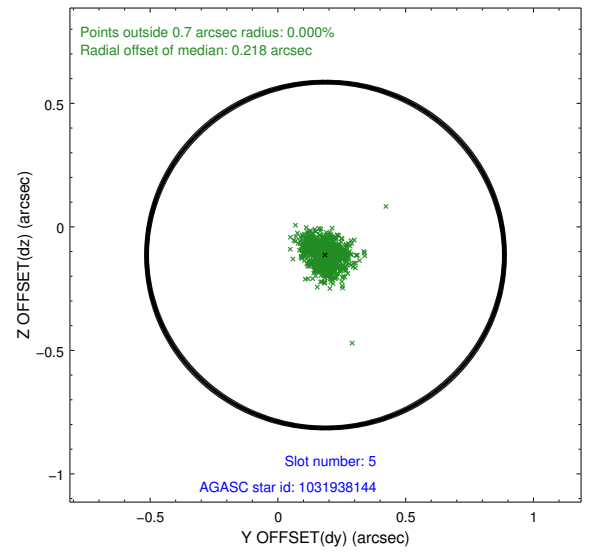
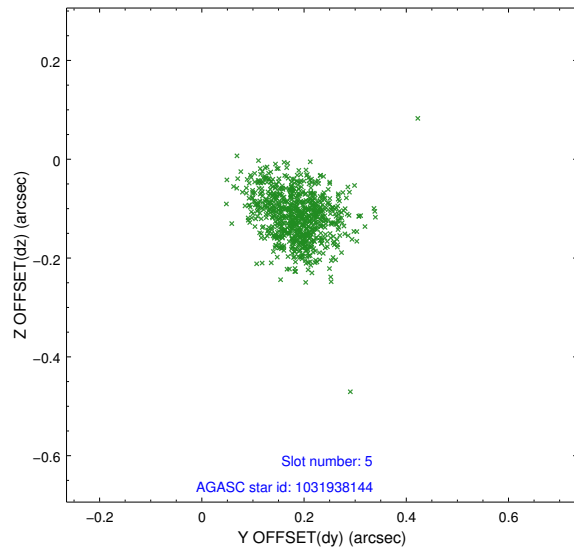
### 2.4.1 Slot 3



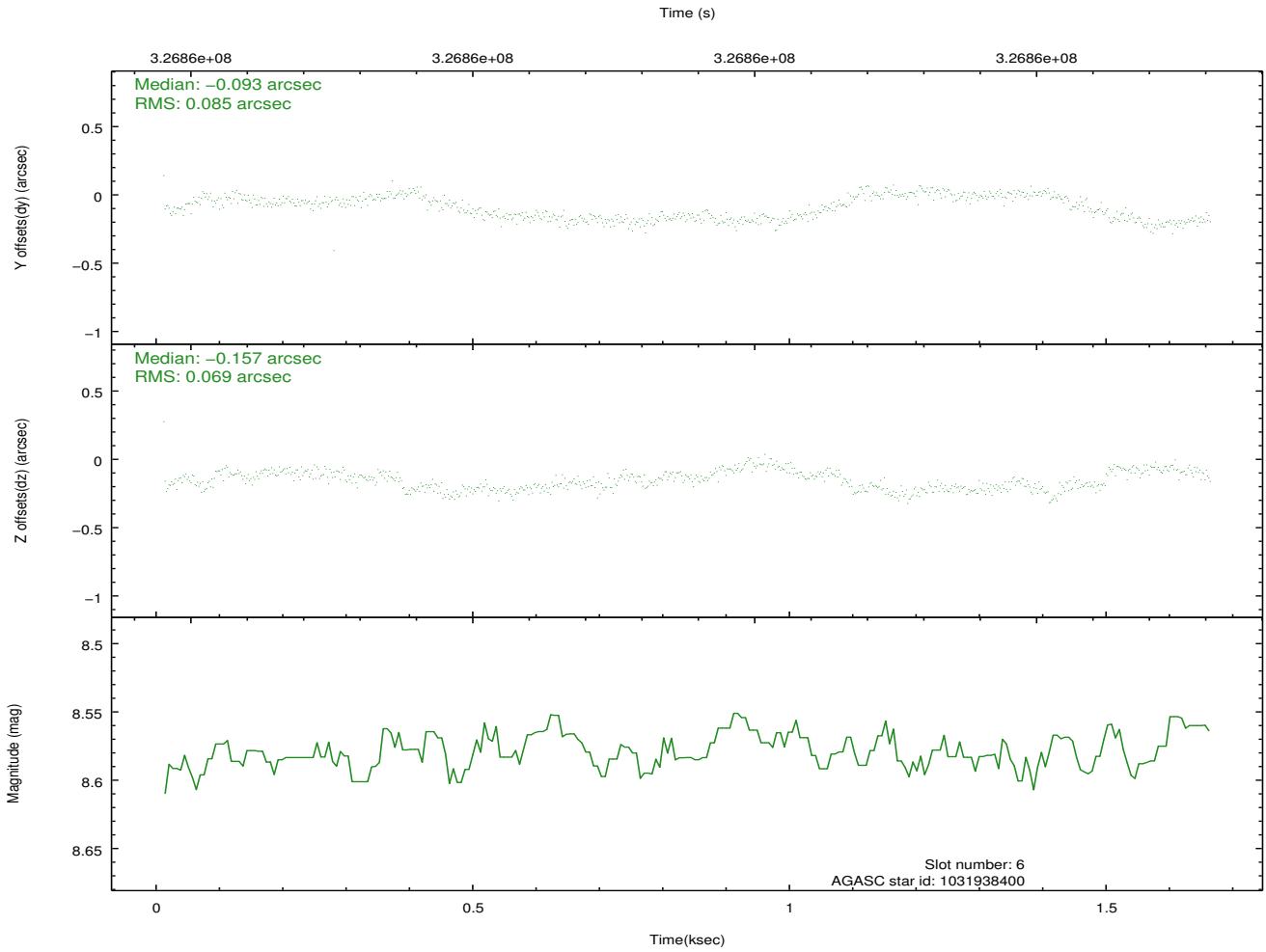
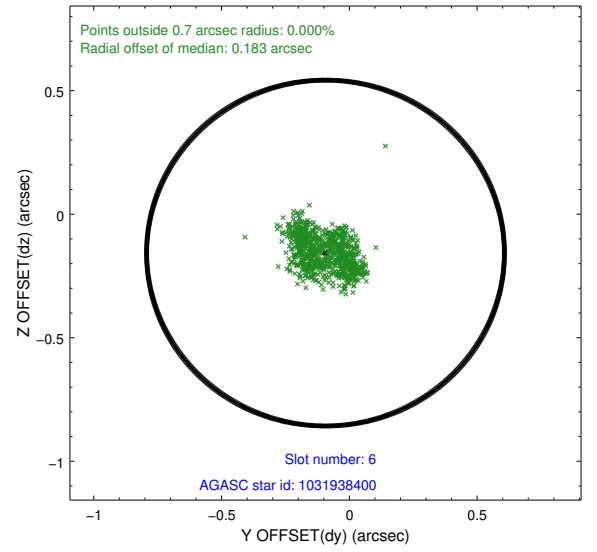
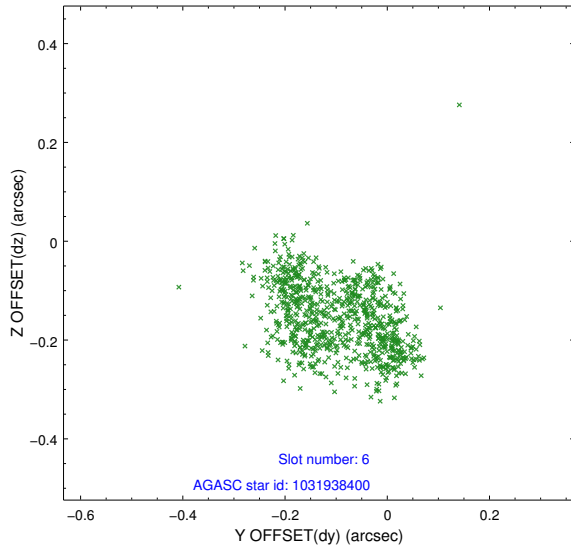
## 2.4.2 Slot 4



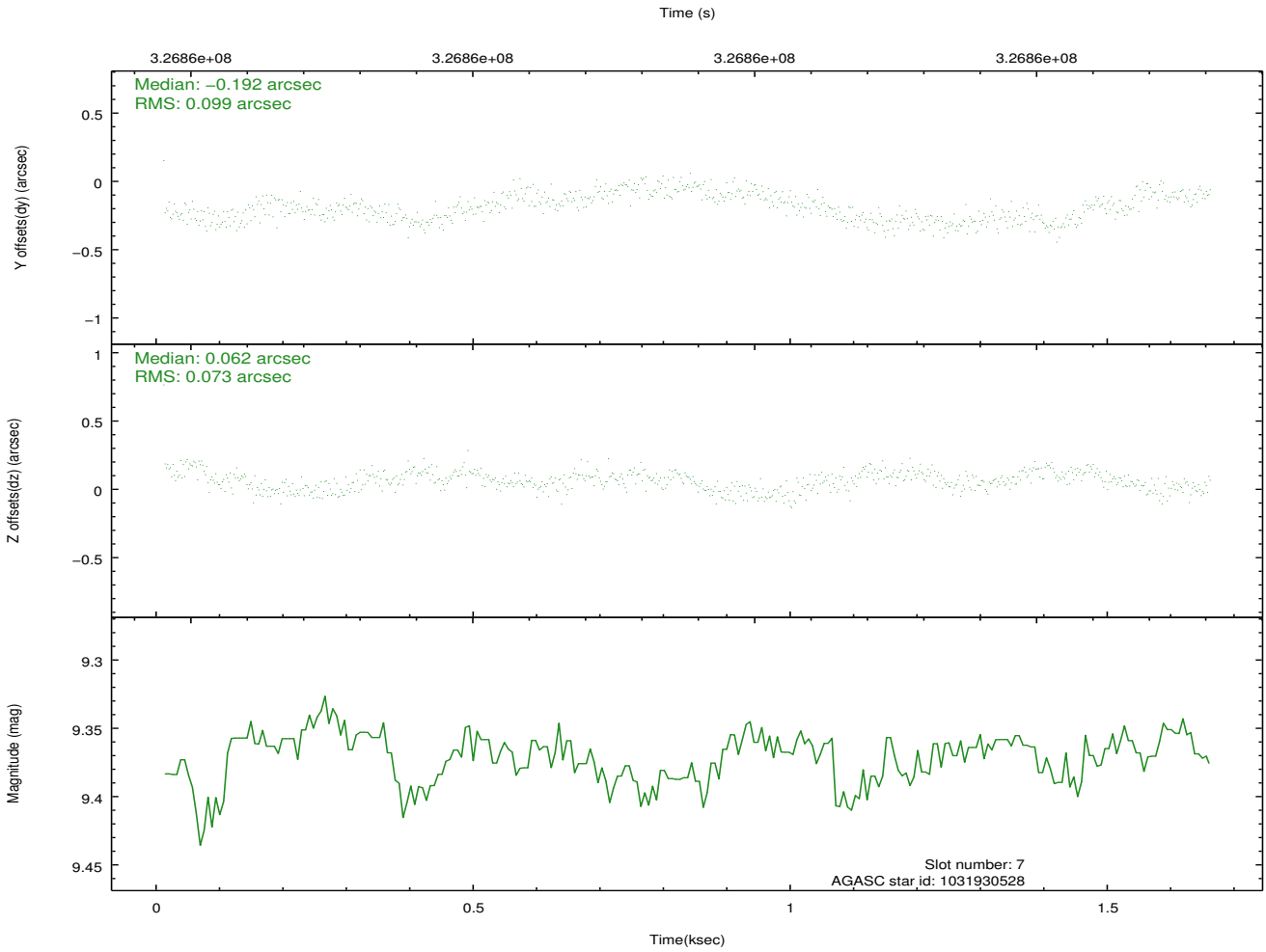
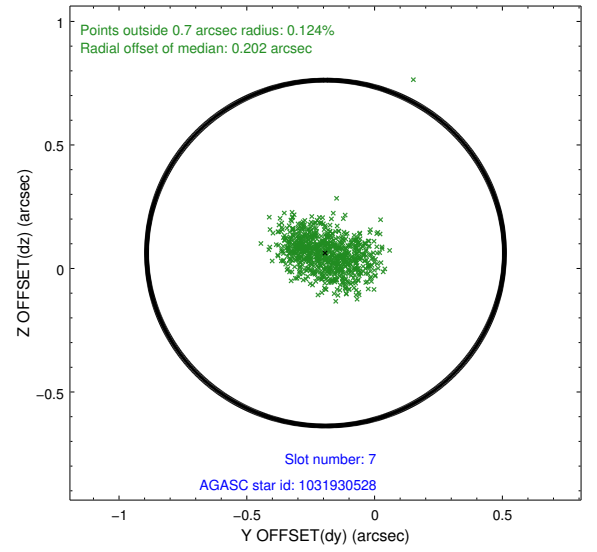
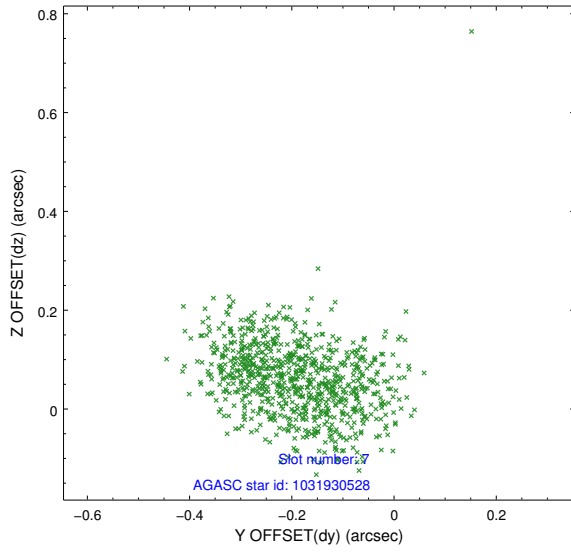
### 2.4.3 Slot 5



## 2.4.4 Slot 6

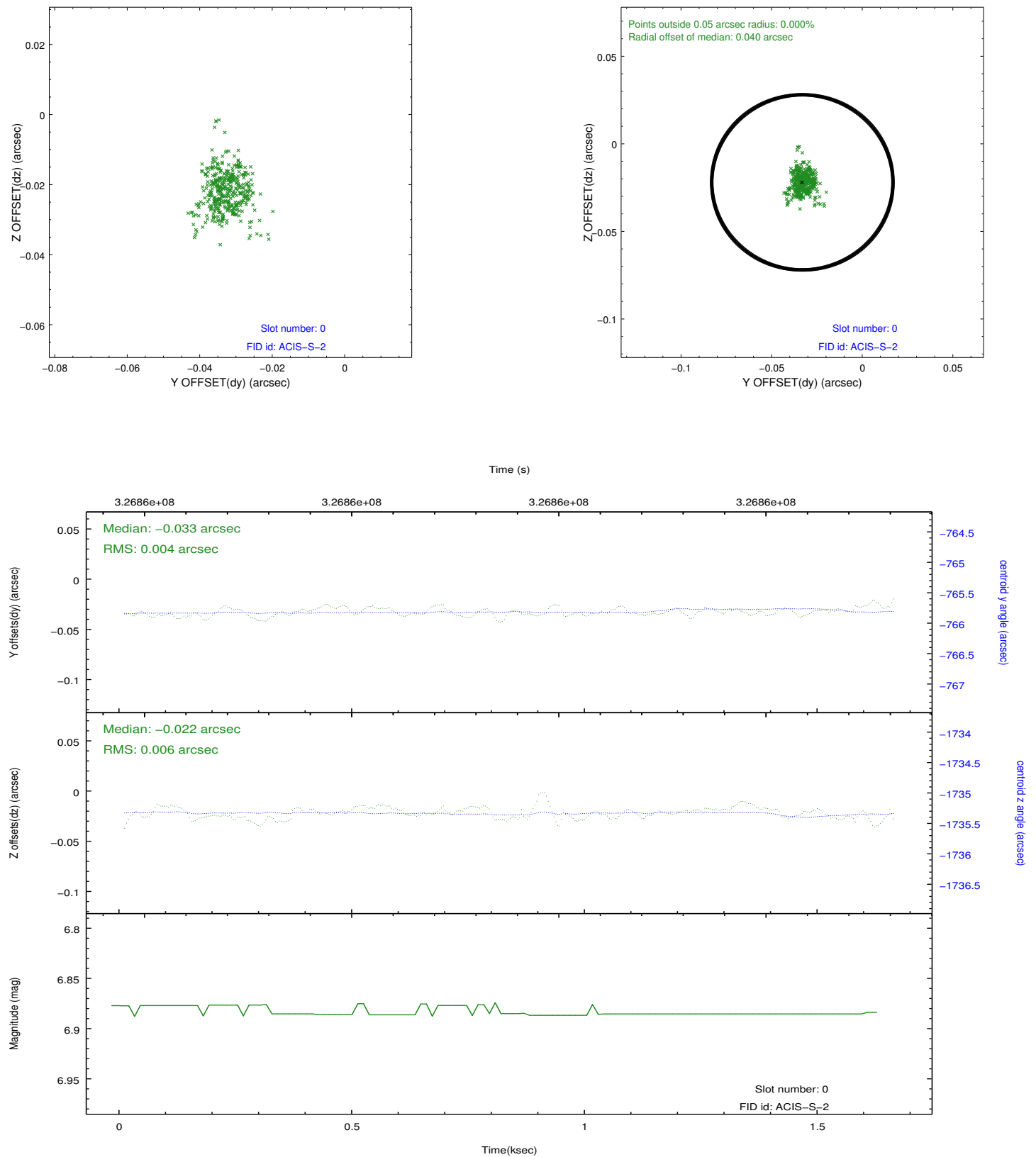


## 2.4.5 Slot 7

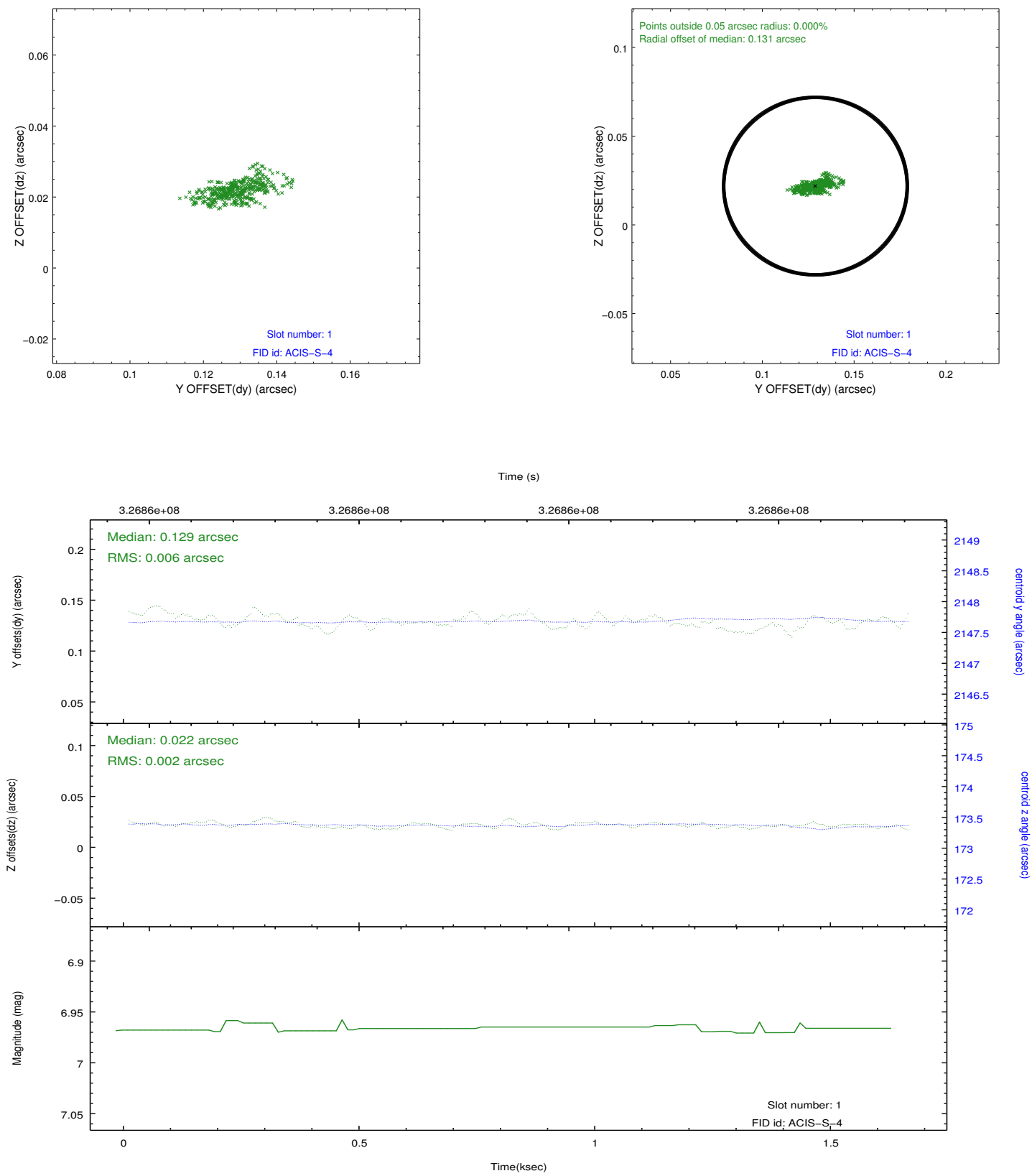


## 2.5 FID Slots

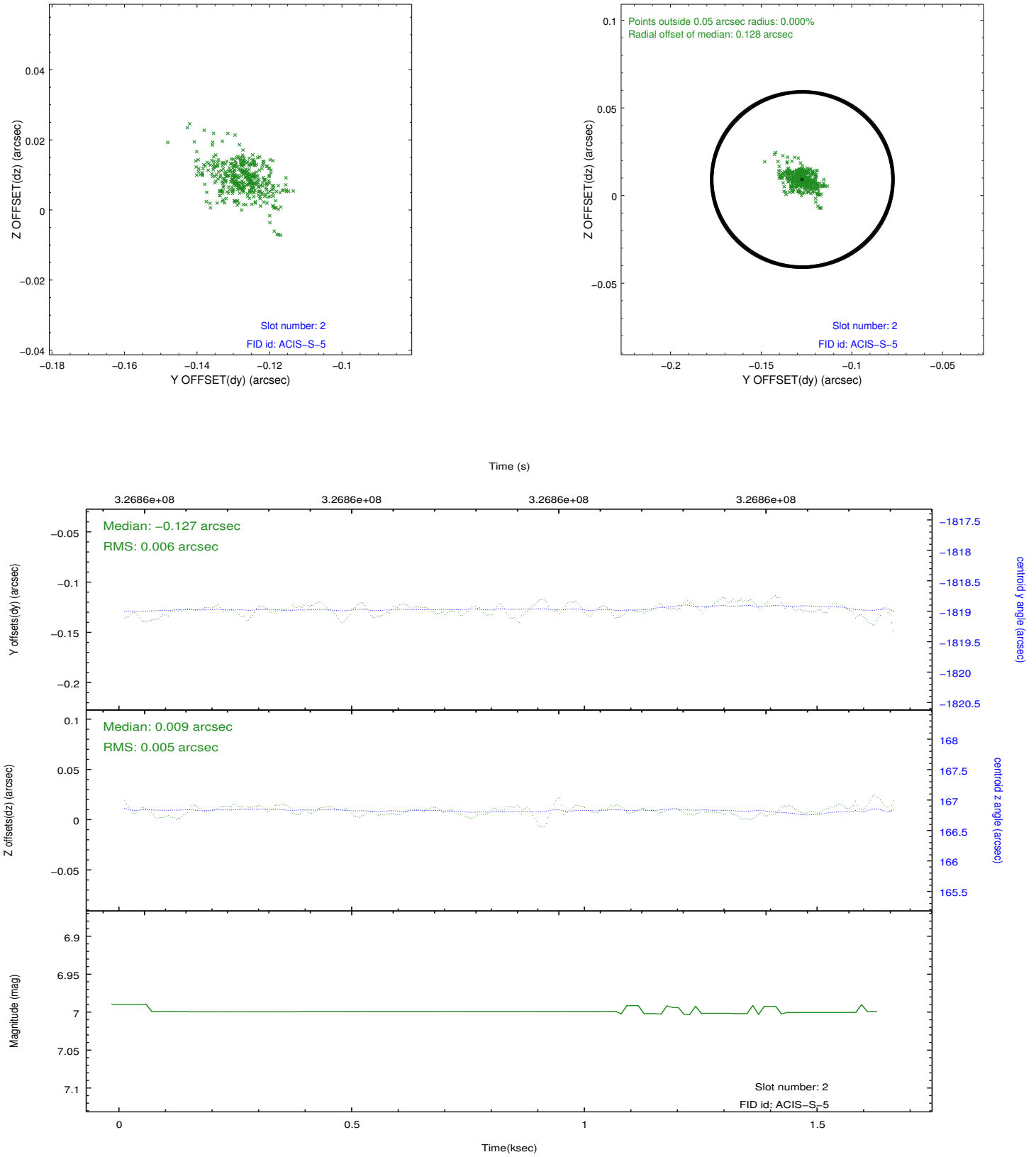
### 2.5.1 Slot 0



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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.95039999

### A.2 Comments