

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4999 - L2 Version 001  
Chandra X-Ray Center

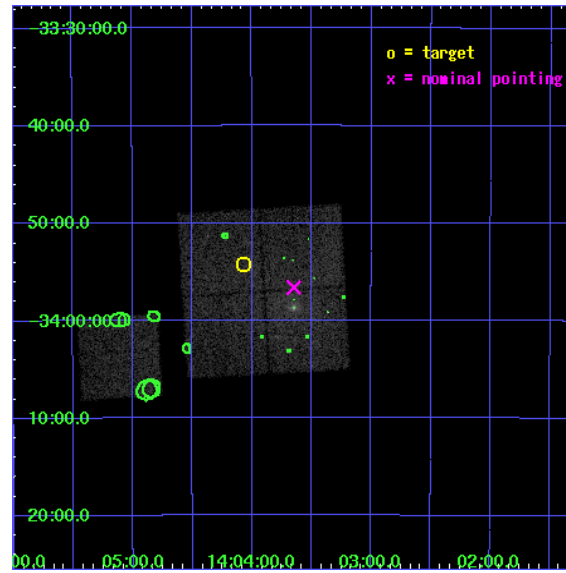
L2 Processing Date : May 23 2006

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# 1 Front

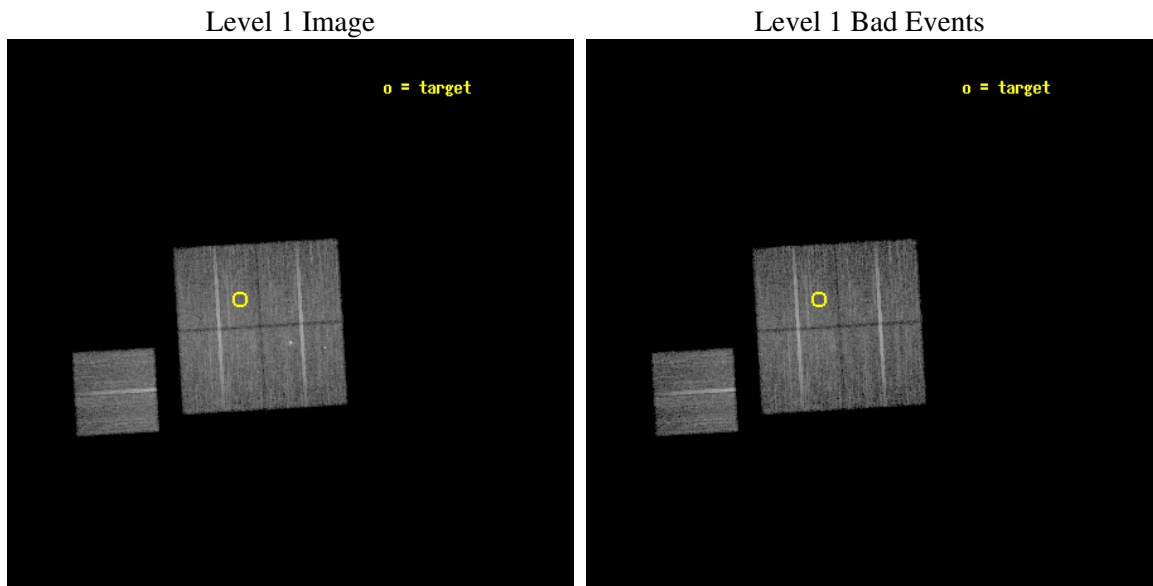
seq_num	800442
obs_id	4999
title	Study of Candidate 'Fossil Groups
observer	Dr. Stephen Murray
object	NGC5419-offset1
dtcycle	0
cycle	P
ra_targ	211.017917
dec_targ	-33.902944
ra_nom	210.91209959796
dec_nom	-33.943417899112
roll_nom	266.57913831321
revision	2
ontime	14765.259001374
livetime	14572.340022496
ontime0	14765.259001374
ontime1	14768.399971604
ontime2	14758.977030933
ontime3	14765.259001374
ontime6	14765.258971453
l2events	53379



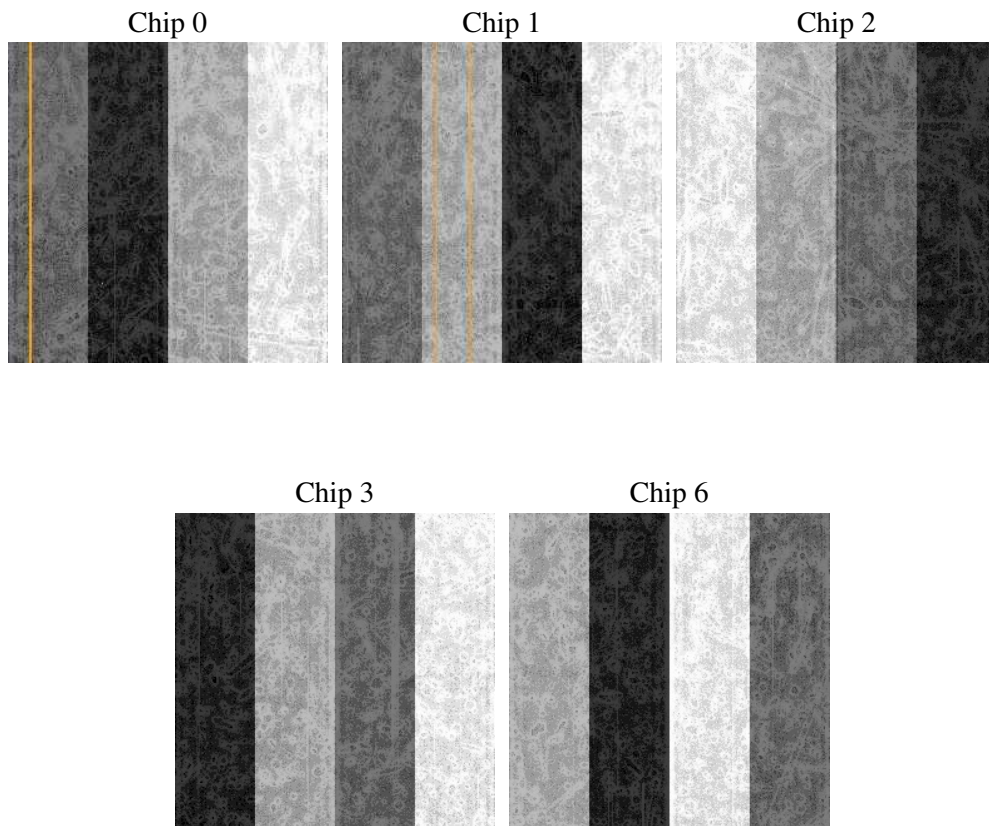
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-23T12:24:51
revision	2

sched_exp_time	15000.000000
ontime	14772.152483821
ontime0	14775.293483973
ontime1	14778.434454203
ontime2	14765.87051338
ontime3	14772.152483821
ontime6	14775.293454051
l1events	464897

### 2.1.4 Events

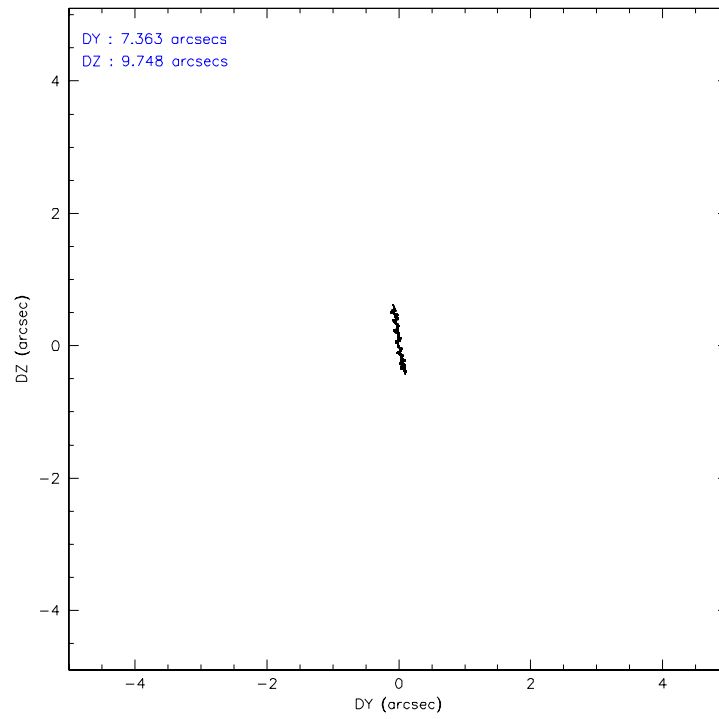
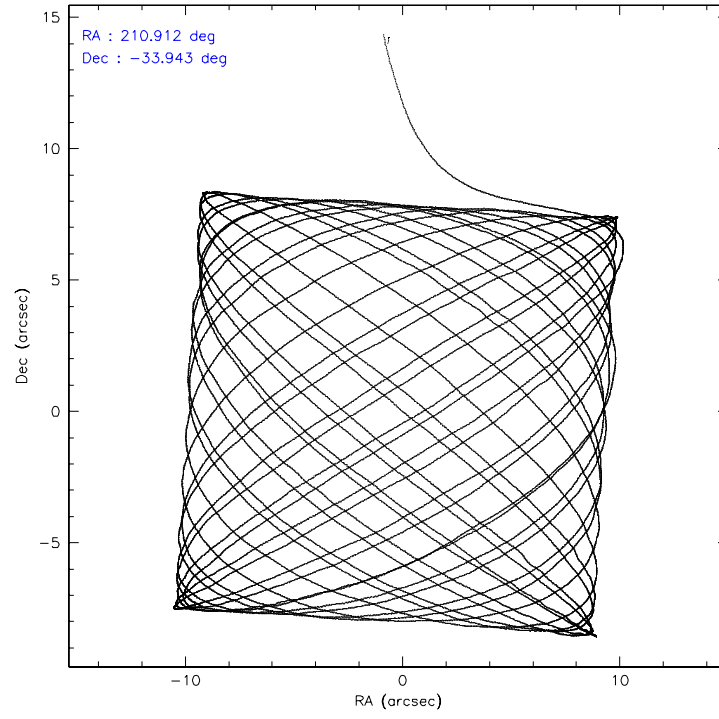
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	92649	88673	100333	92101	91141
rejected events	75803	75509	89009	81347	81254
rejected %	81%	85%	88%	88%	89%

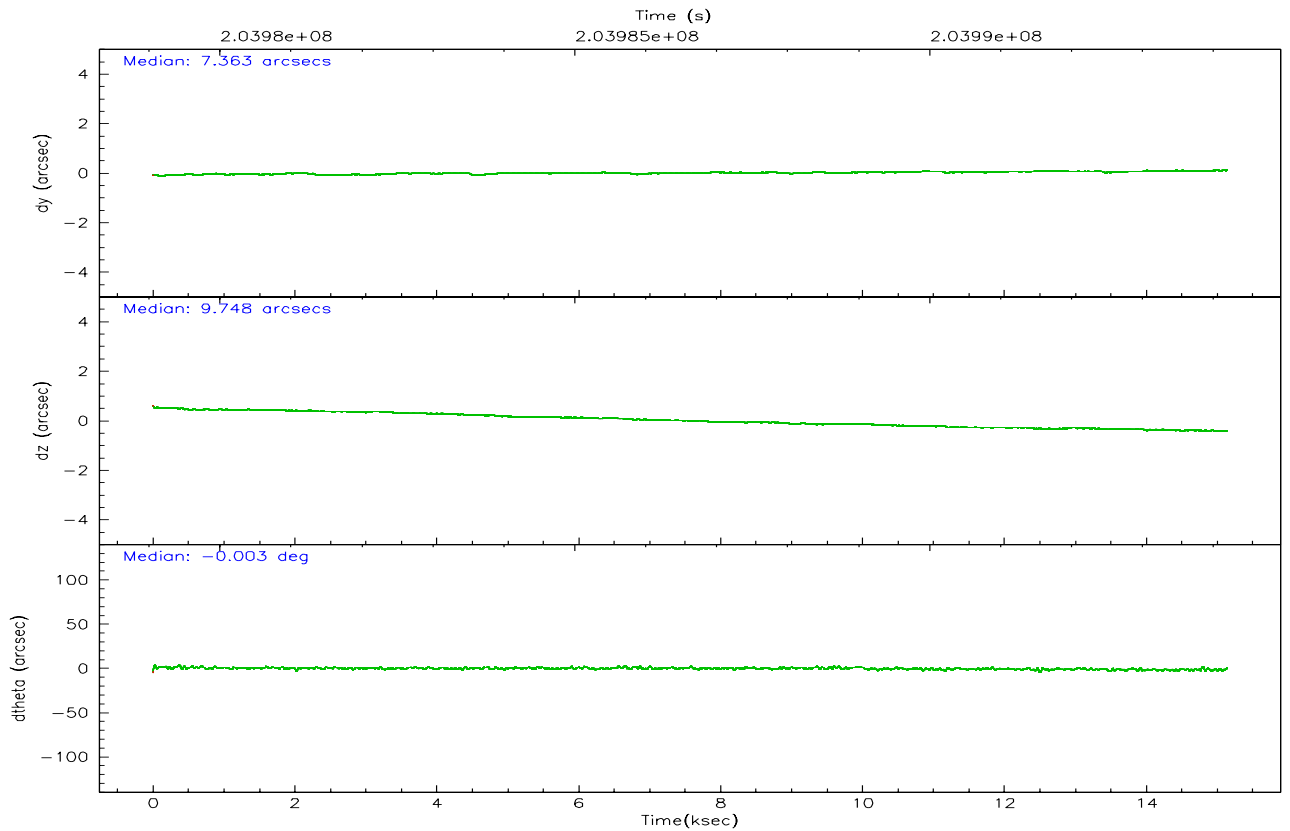
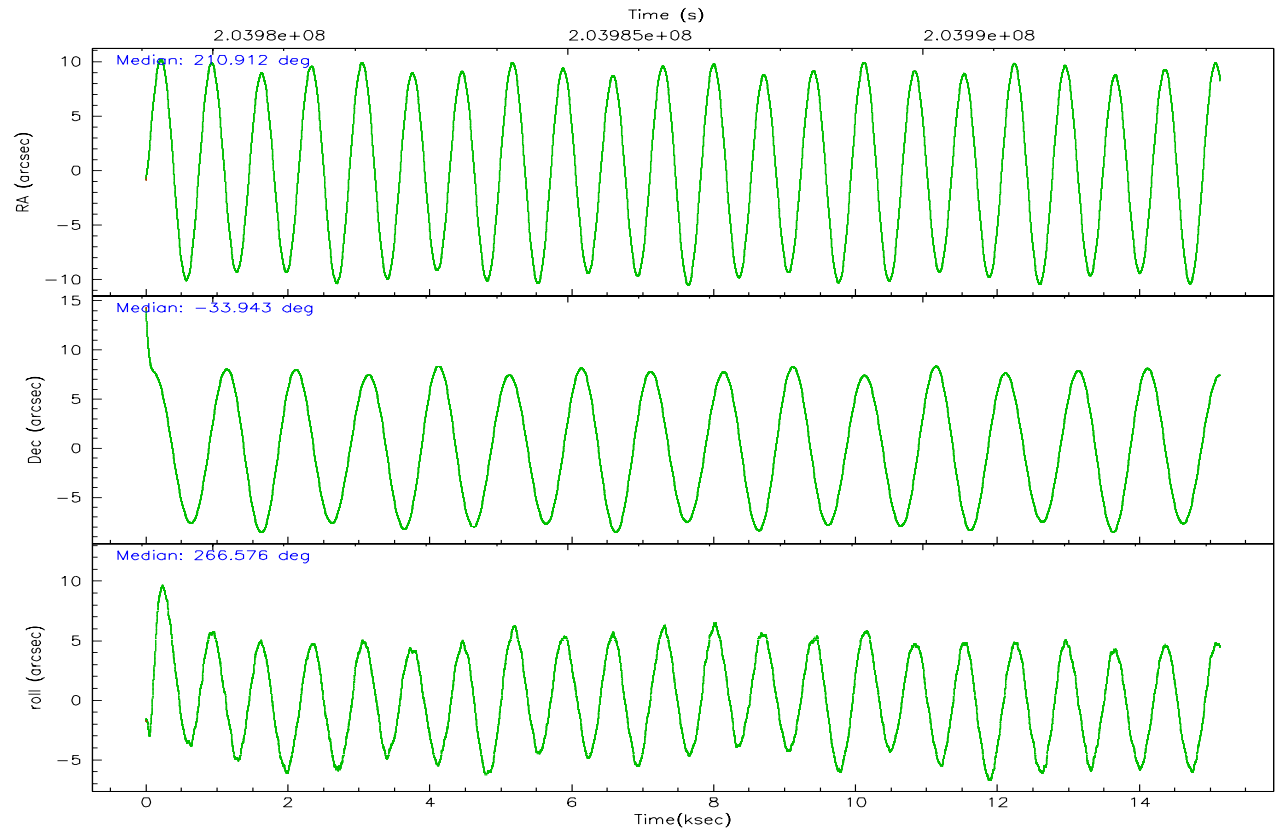
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9716	6259	5245	4938	3831
	10%	7%	5%	5%	4%
grade 1 events	85	56	57	54	36
	0%	0%	0%	0%	0%
grade 2 events	2880	2430	2348	2035	1954
	3%	2%	2%	2%	2%
grade 3 events	1249	1207	1098	1020	1084
	1%	1%	1%	1%	1%
grade 4 events	1172	1181	1043	1042	1082
	1%	1%	1%	1%	1%
grade 5 events	3200	3405	3008	3473	3460
	3%	3%	2%	3%	3%
grade 6 events	1842	2093	1594	1722	1940
	1%	2%	1%	1%	2%
grade 7 events	72505	72042	85940	77817	77754
	78%	81%	85%	84%	85%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	210.897173	210.9120995979606	Alternating exposures requested	N	N
Pointing Dec	-33.919007	-33.94341789911154	Primary exposure time	0.000000	3.1
Pointing Roll	266.362118	266.5791383132106			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-244.592463	-244.5900782204552			
SIM translation stage offset (mm)	11	10.99762521752555			
Observation start time	203979196.184000	203978171.96748			
Observation start date	2004-06-18T20:52:12	2004-06-18T20:36:11			
Observation end time	203994196.184000	203994330.06819			
Observation end date	2004-06-19T01:02:12	2004-06-19T01:05:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect





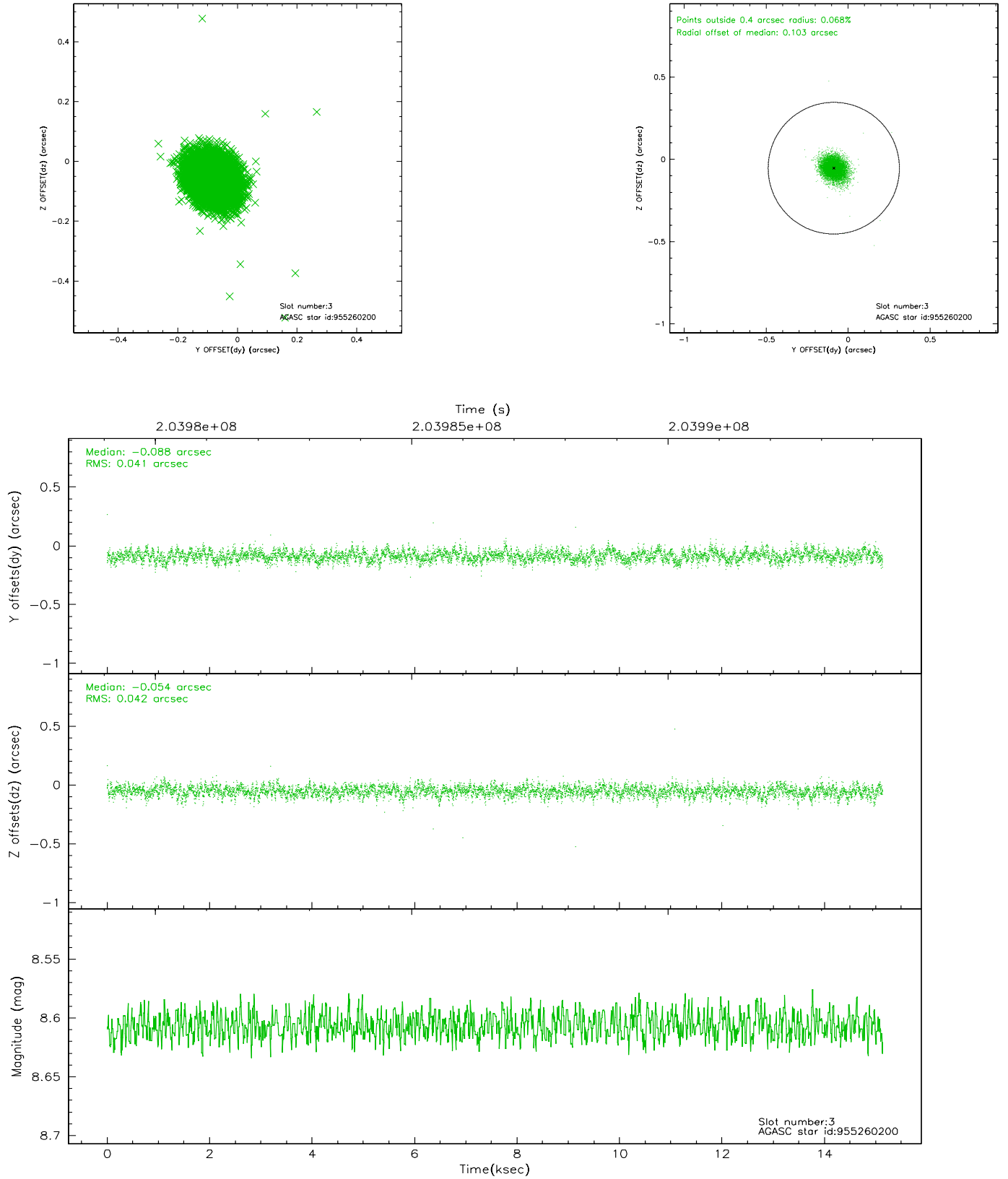
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.30	3693	-0.233	0.111	0.015	0.025	0.000000	0.000000	932.28	-607.09
1	FID	ACIS-I-2	7.21	3692	0.068	-0.080	0.011	0.017	0.000000	0.000000	-760.76	-615.31
2	FID	ACIS-I-4	7.23	3693	0.065	0.036	0.016	0.024	0.000000	0.000000	2152.92	1291.19
3	GUIDE	955260200	8.61	7383	-0.088	-0.054	0.061	0.100	210.218841	-34.127979	886.09	-1969.11
4	GUIDE	955261632	7.93	7385	0.152	0.107	0.068	0.107	210.777259	-34.540798	2257.34	-212.55
5	GUIDE	955263032	8.67	7382	0.074	-0.101	0.059	0.094	211.177099	-34.436586	1808.50	947.94
6	GUIDE	954862944	9.19	7383	-0.070	0.114	0.093	0.148	211.627478	-33.349687	-2176.04	2061.31
7	GUIDE	954861224	8.93	7383	-0.068	-0.068	0.084	0.133	211.716360	-33.398119	-2018.24	2339.10

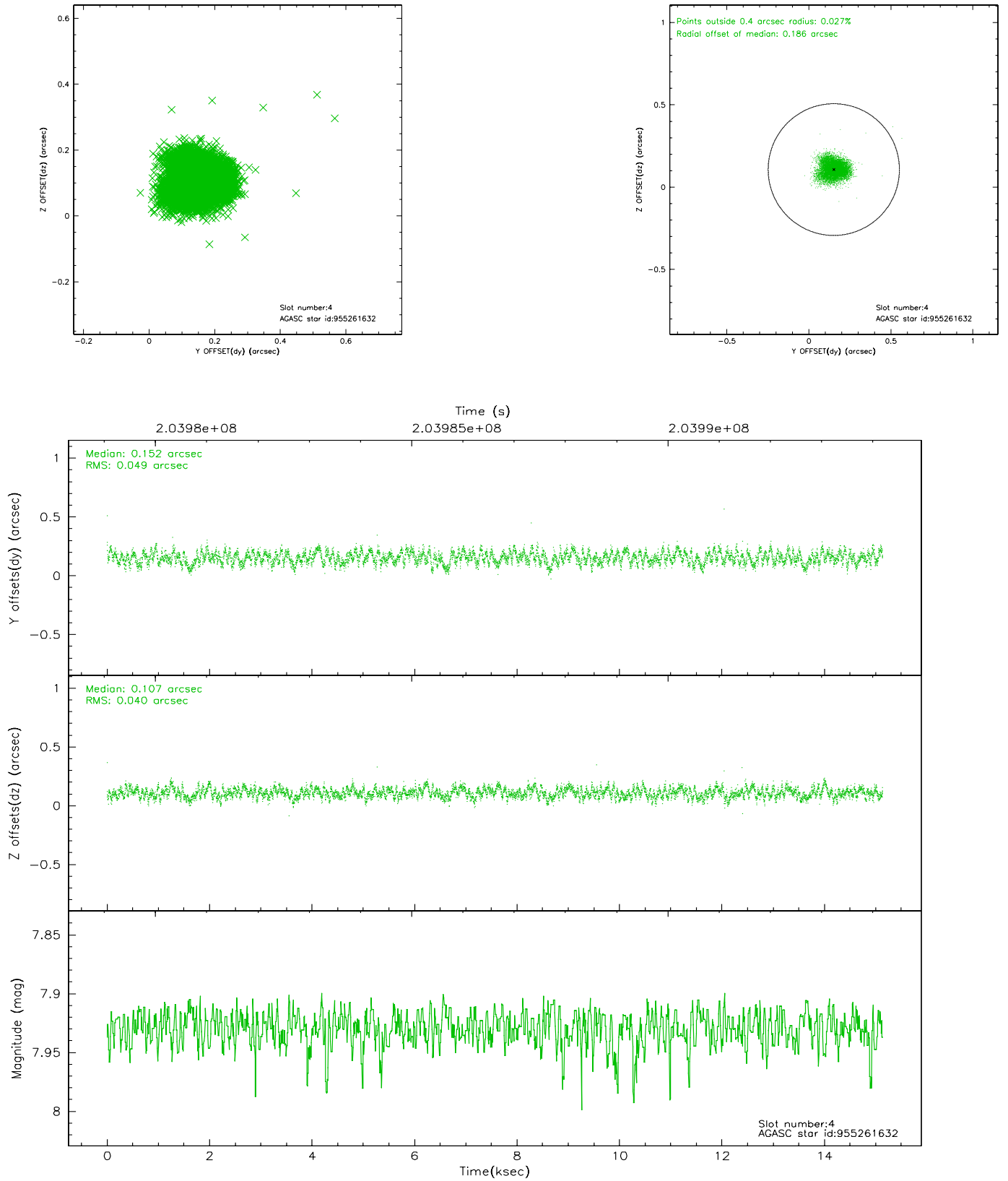


## 2.4 Star Slots

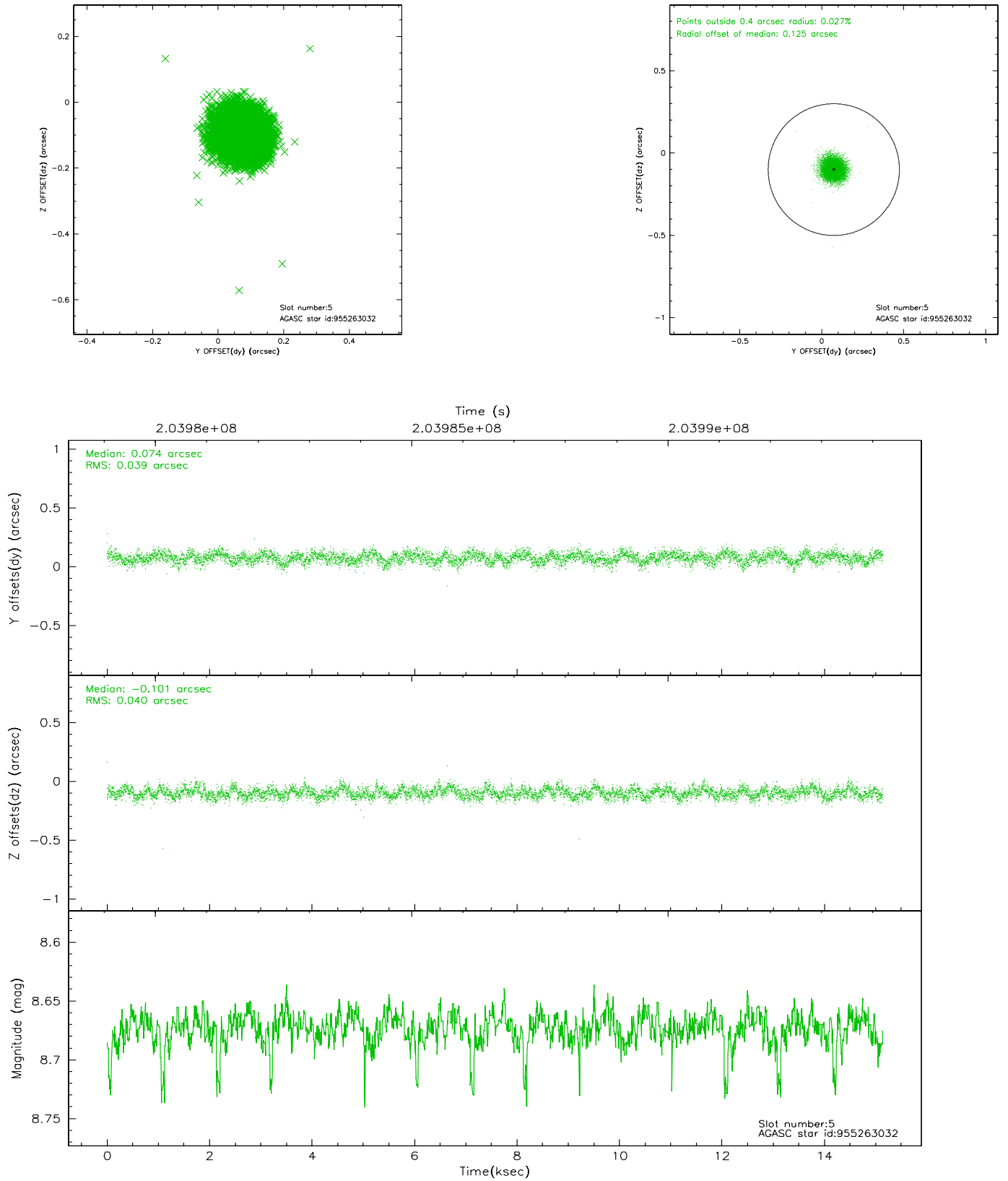
### 2.4.1 Slot 3



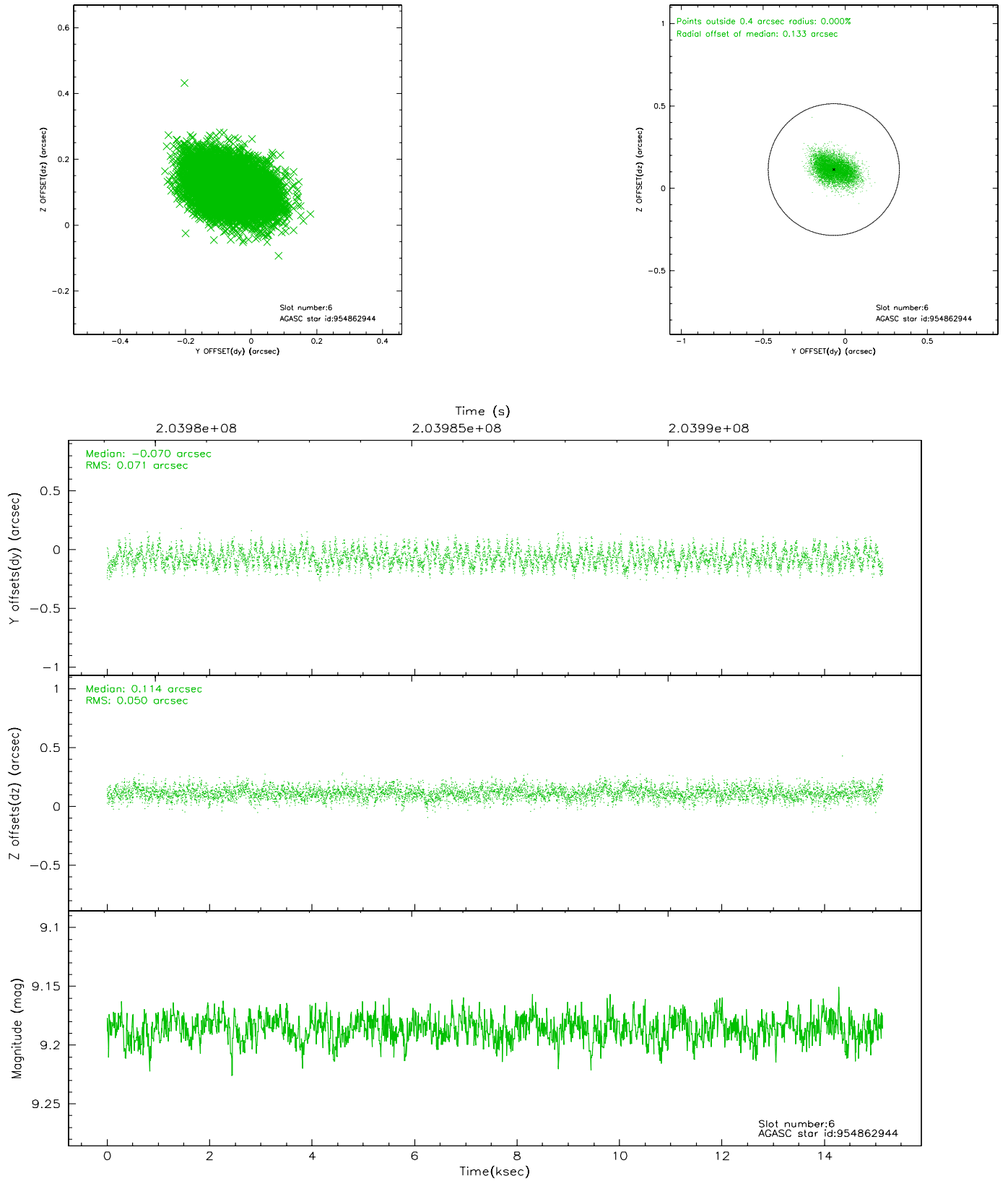
## 2.4.2 Slot 4



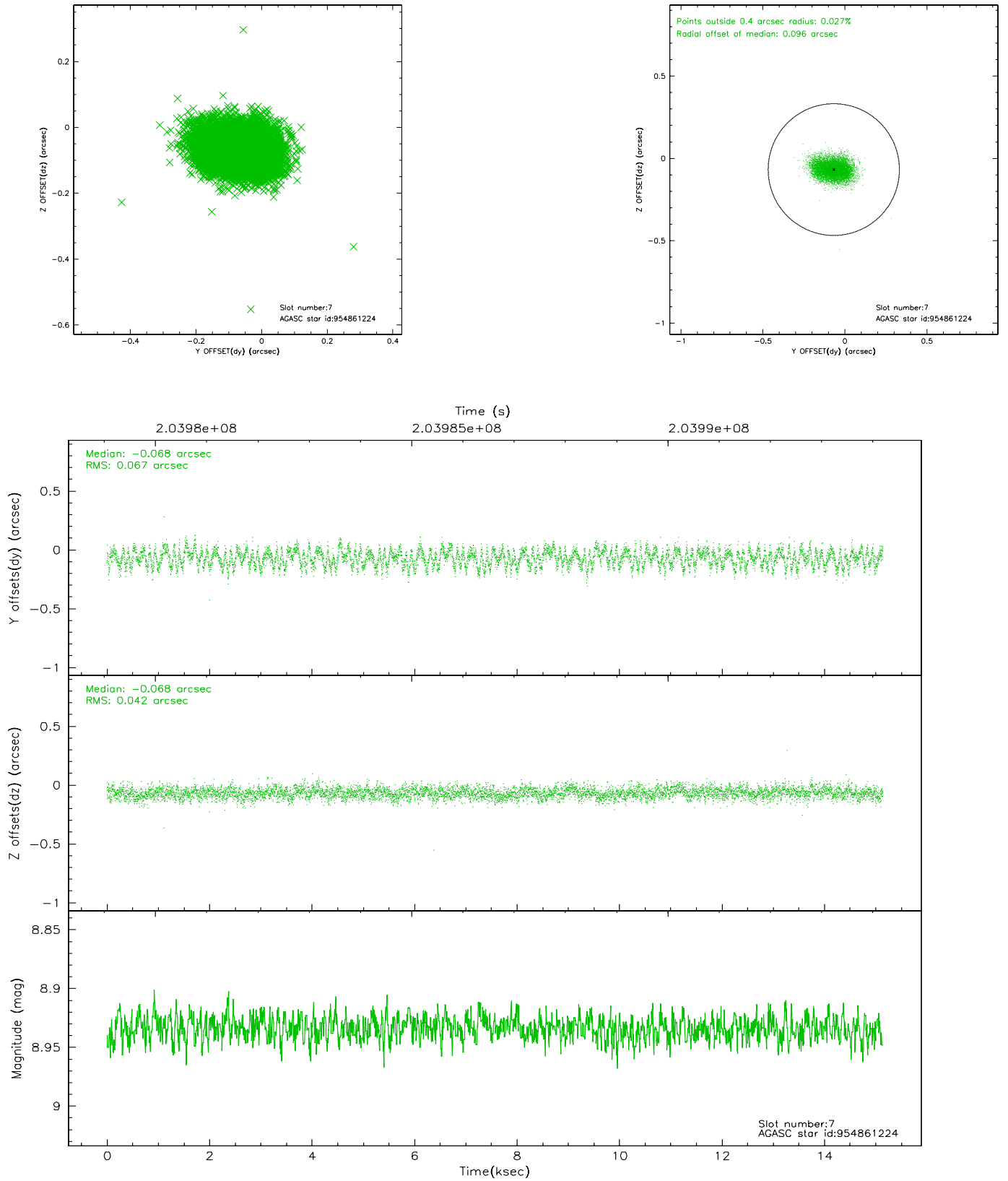
### 2.4.3 Slot 5



## 2.4.4 Slot 6

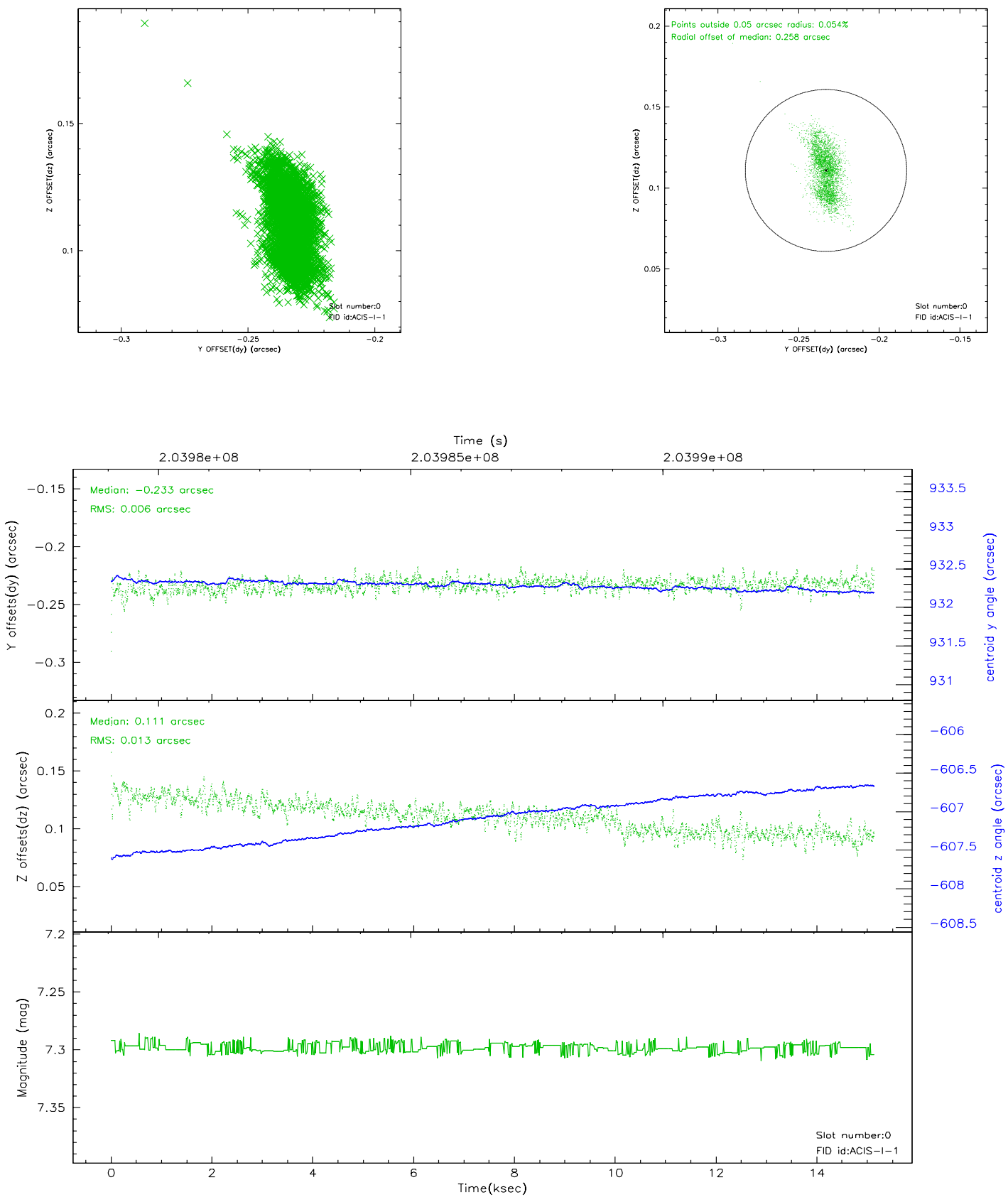


## 2.4.5 Slot 7

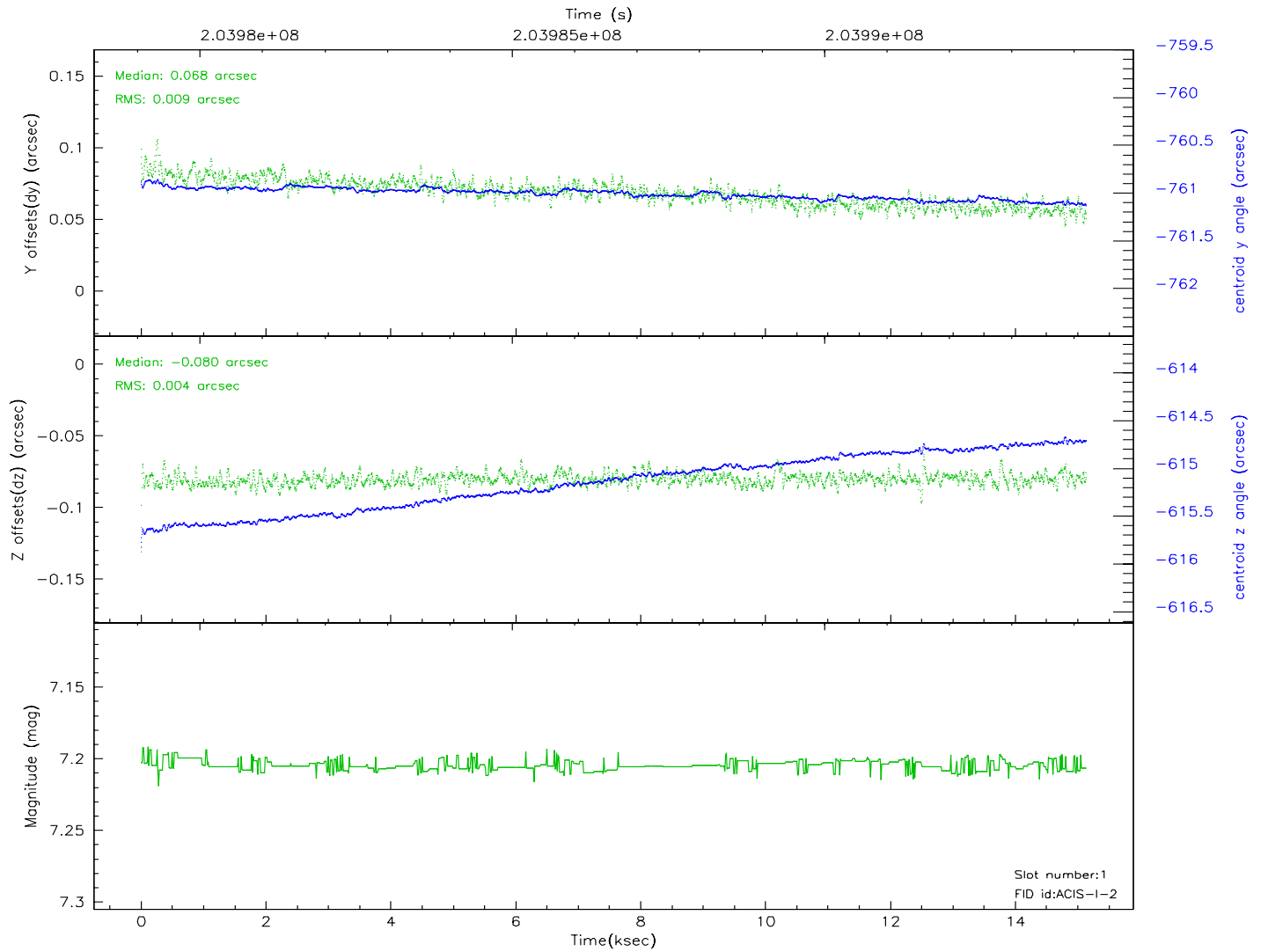
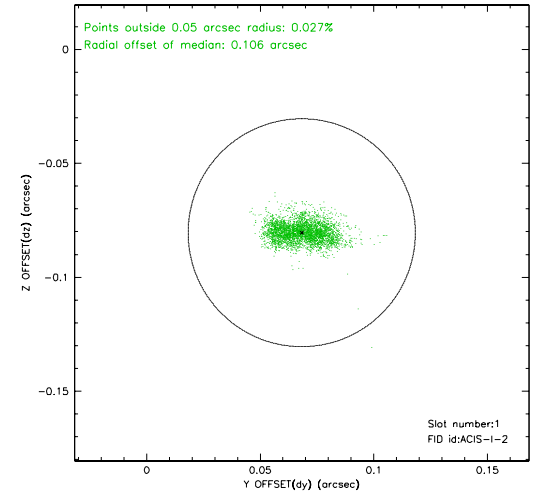
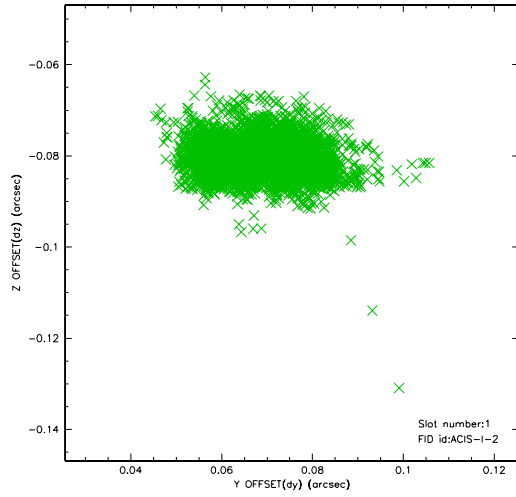


## 2.5 FID Slots

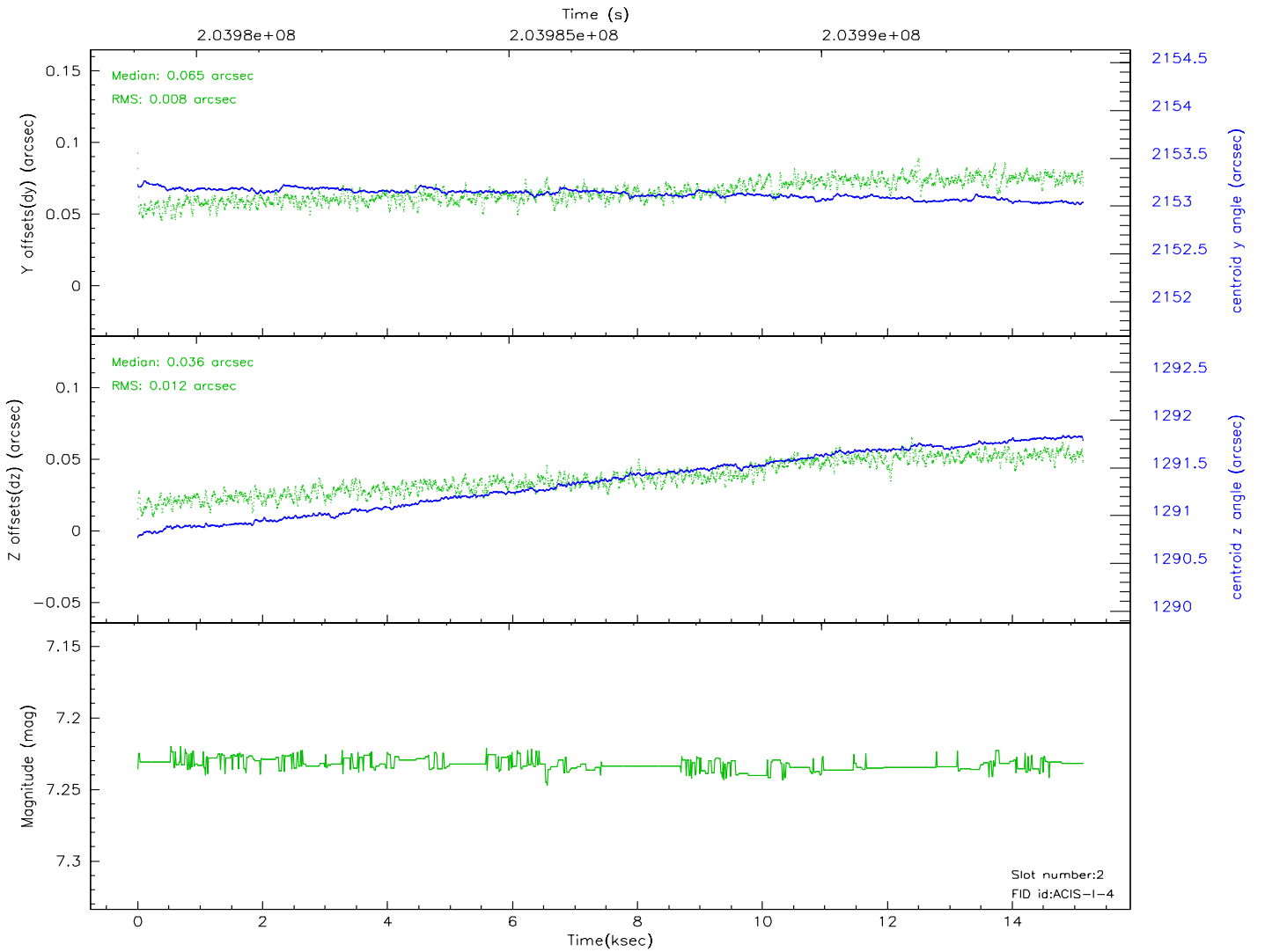
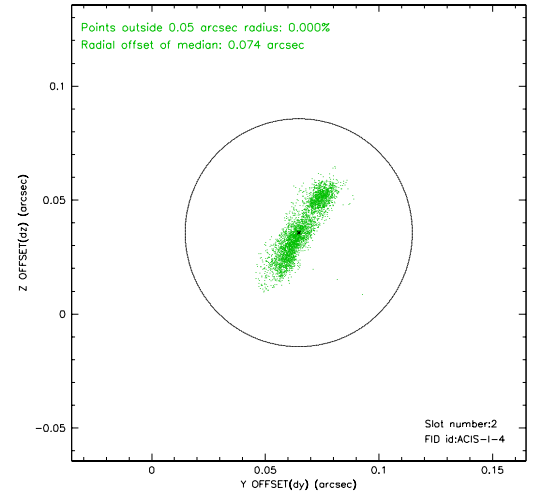
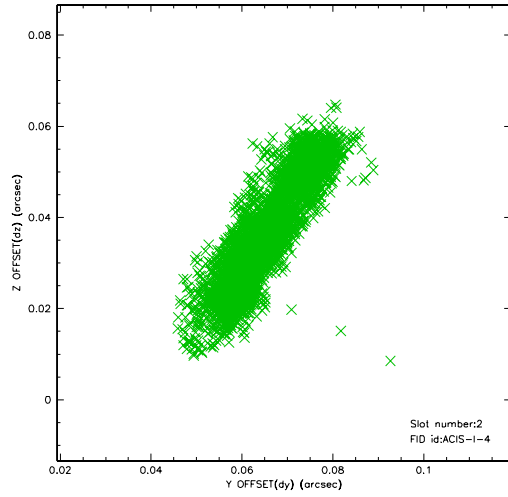
### 2.5.1 Slot 0



## 2.5.2 Slot 1

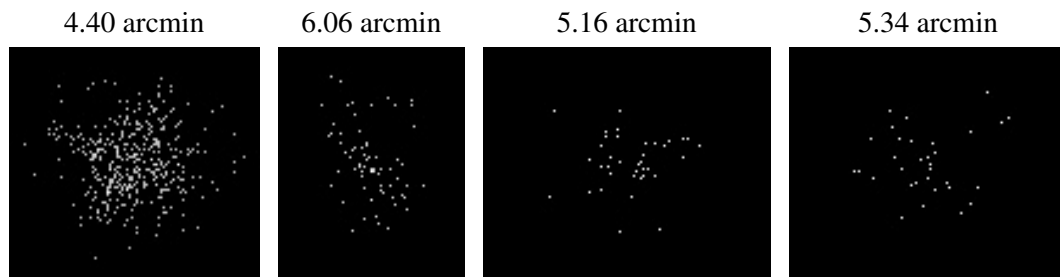


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.768

### A.2 Comments