

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4702 - L2 Version 001  
Chandra X-Ray Center

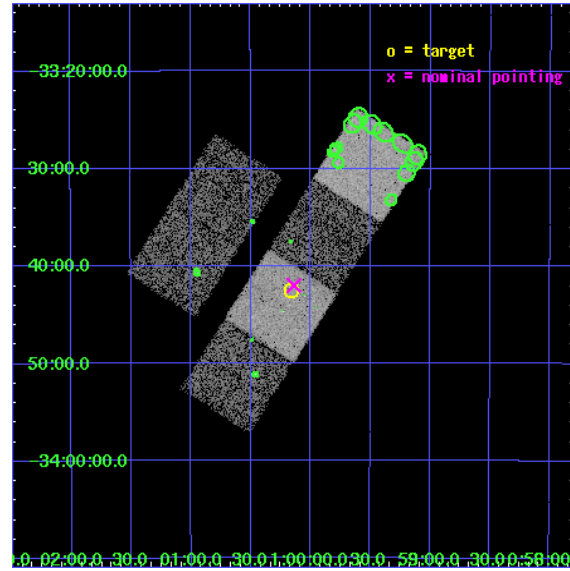
L2 Processing Date : May 1 2006

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# 1 Front

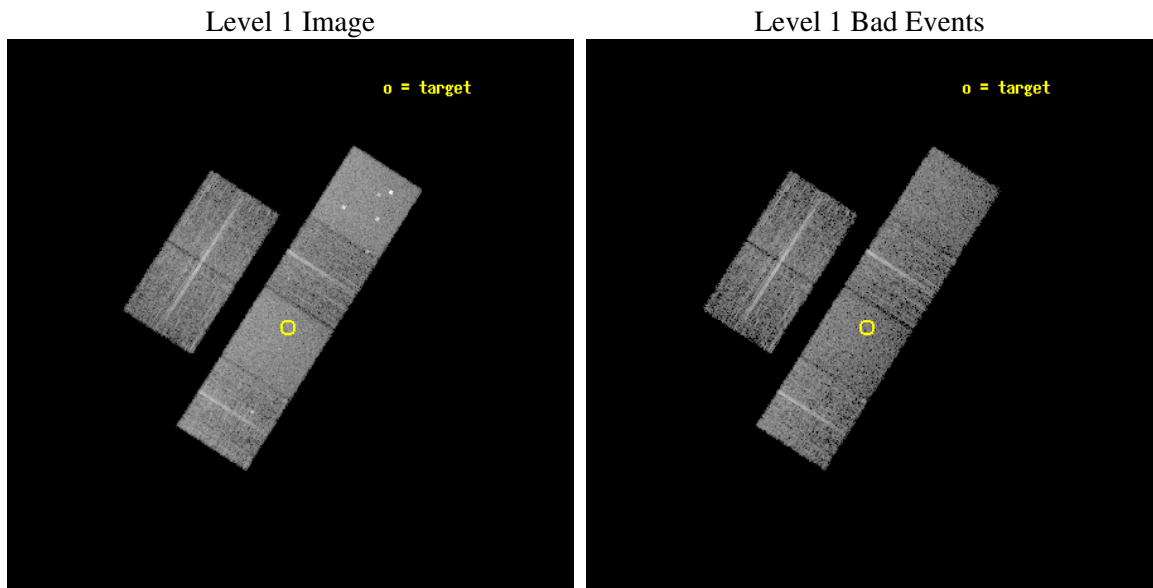
seq_num	600357
obs_id	4702
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II
observer	Dr. Thomas Maccarone
object	SCULPTOR DWARF SPHEROIDAL
dtcycle	0
cycle	P
ra_targ	15.039167
dec_targ	-33.708889
ra_nom	15.034763296039
dec_nom	-33.700092505848
roll_nom	122.56745894319
revision	2
ontime	5958.3999778032
livetime	5882.9511295666
ontime2	5958.3999778032
ontime3	5958.3999778032
ontime5	5958.3999778032
ontime6	5958.3999778032
ontime7	5958.3999778032
ontime8	5958.3999778032
l2events	66401



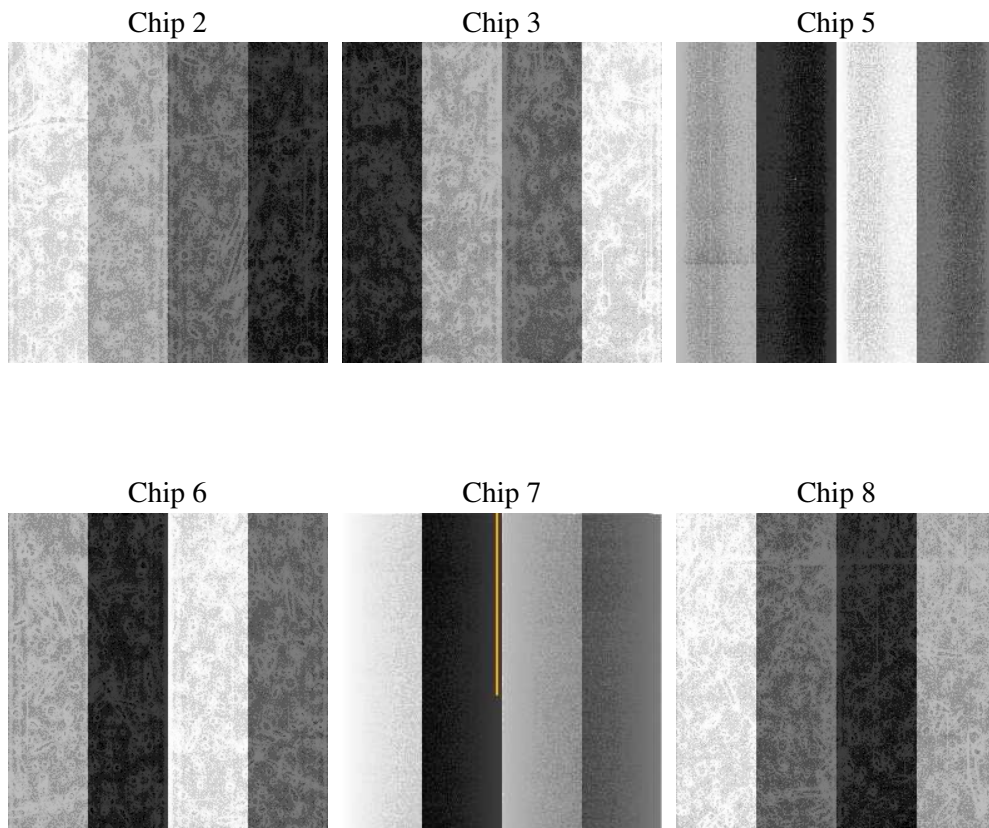
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.1
date	2006-05-01T15:21:15
revision	2

sched_exp_time	6000.000000
ontime	5963.4439440966
ontime2	5963.4439241588
ontime3	5963.4439241588
ontime5	5963.4439440966
ontime6	5963.4439440966
ontime7	5963.4439440966
ontime8	5963.4439241588
l1events	306971

### 2.1.4 Events

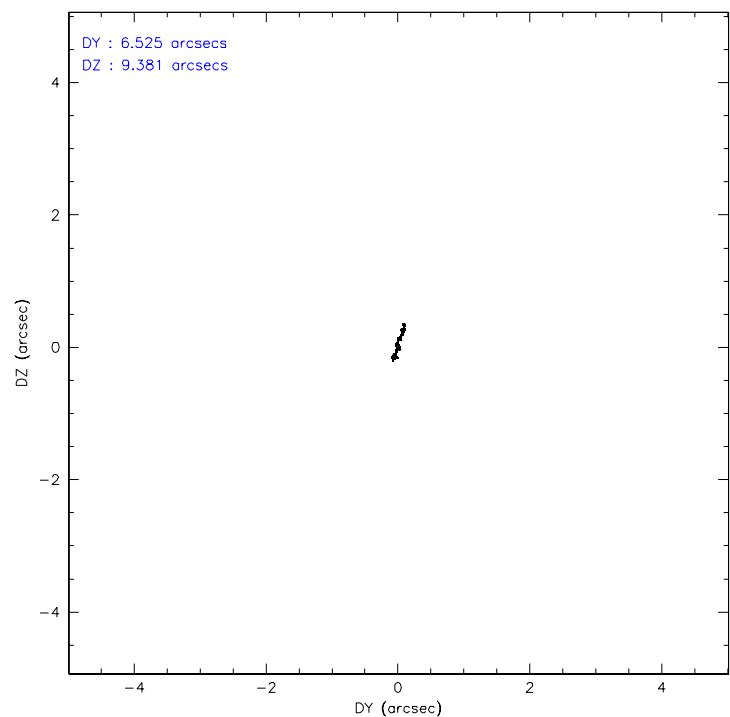
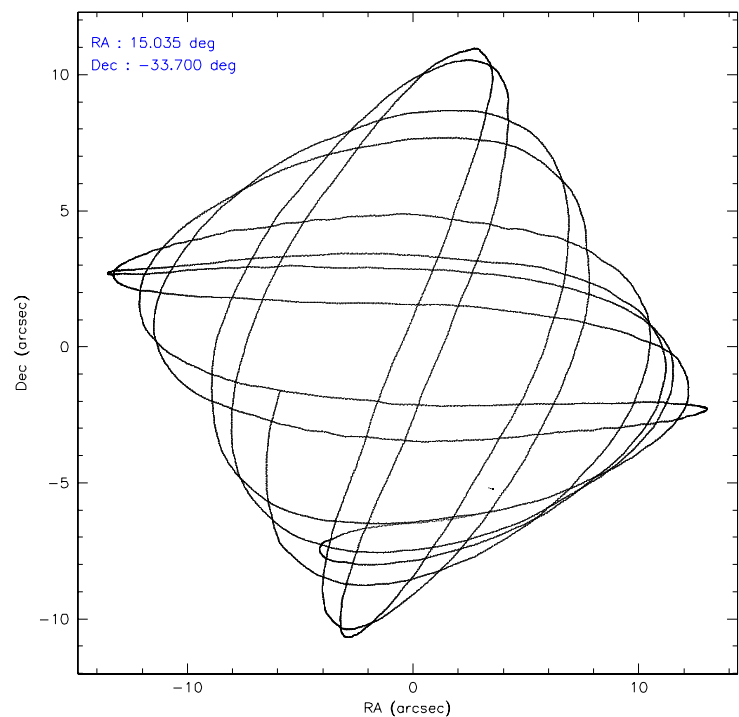
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43637	41327	66054	42420	58235	55298
rejected events	38623	36275	35536	37248	36260	43550
rejected %	88%	87%	53%	87%	62%	78%

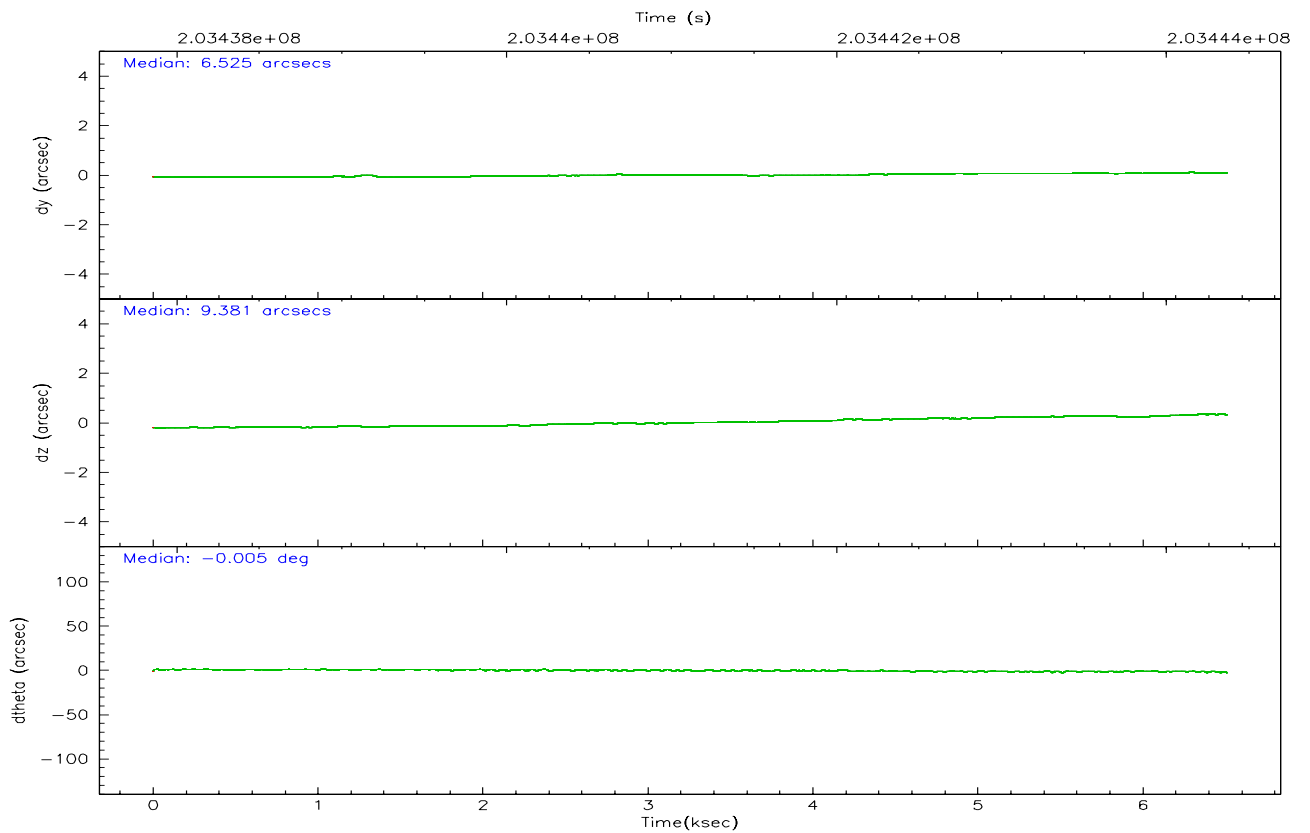
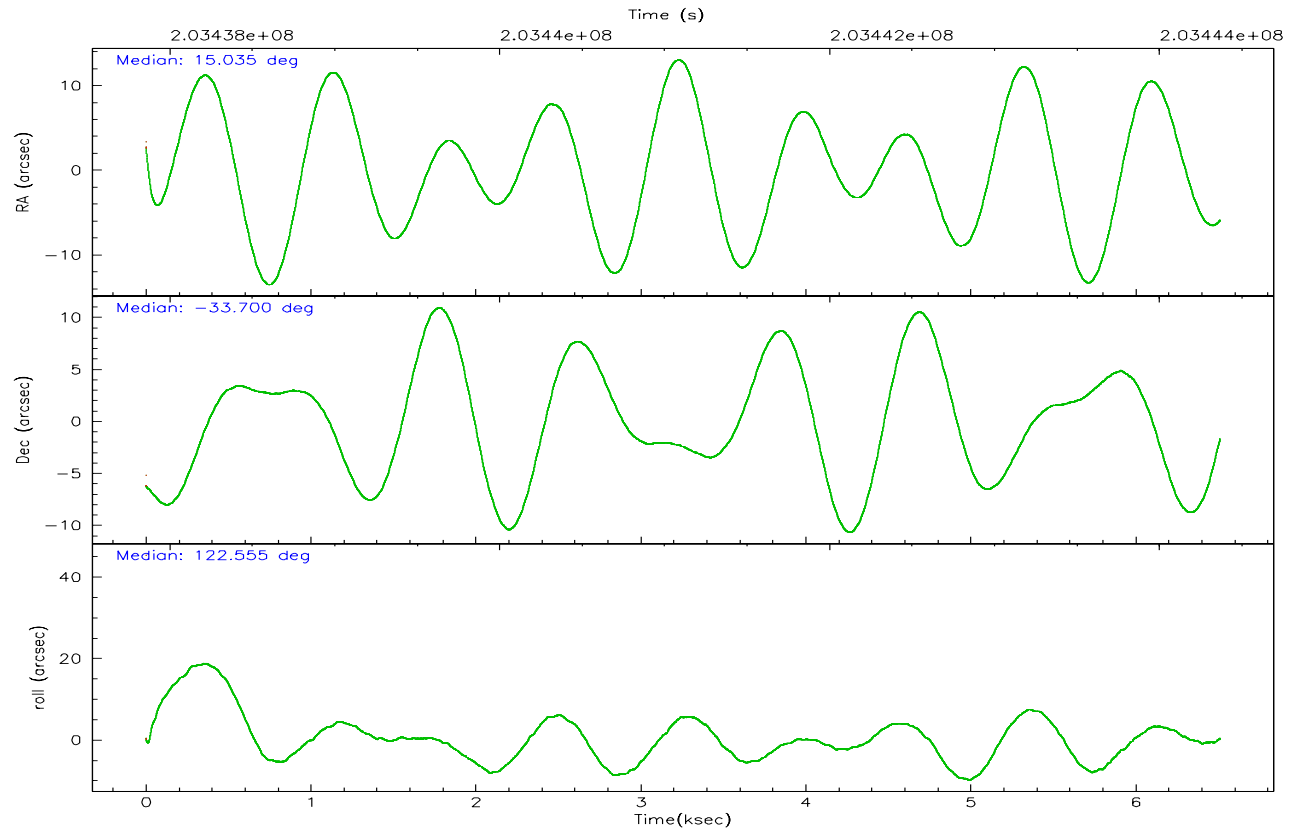
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2192	2252	3399	2039	1200	3813
	5%	5%	5%	4%	2%	6%
grade 1 events	24	29	79	22	22	35
	0%	0%	0%	0%	0%	0%
grade 2 events	1043	1001	9898	1061	5540	2540
	2%	2%	14%	2%	9%	4%
grade 3 events	455	515	619	543	1100	1308
	1%	1%	0%	1%	1%	2%
grade 4 events	502	504	612	483	1076	1181
	1%	1%	0%	1%	1%	2%
grade 5 events	1757	1865	3082	1965	3907	2675
	4%	4%	4%	4%	6%	4%
grade 6 events	835	783	16022	1049	13087	2916
	1%	1%	24%	2%	22%	5%
grade 7 events	36829	34378	32343	35258	32303	40830
	84%	83%	48%	83%	55%	73%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	15.063984	15.03476329603945	Alternating exposures requested	N	N
Pointing Dec	-33.712164	-33.70009250584756	Primary exposure time	0.000000	3.2
Pointing Roll	122.427083	122.5674589431868			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	203438366.184000	203437235.88103			
Observation start date	2004-06-12T14:38:22	2004-06-12T14:20:35			
Observation end time	203444366.184000	203444955.66887			
Observation end date	2004-06-12T16:18:22	2004-06-12T16:29:15			
Read mode	TIMED	TIMED			

## 2.3 Aspect





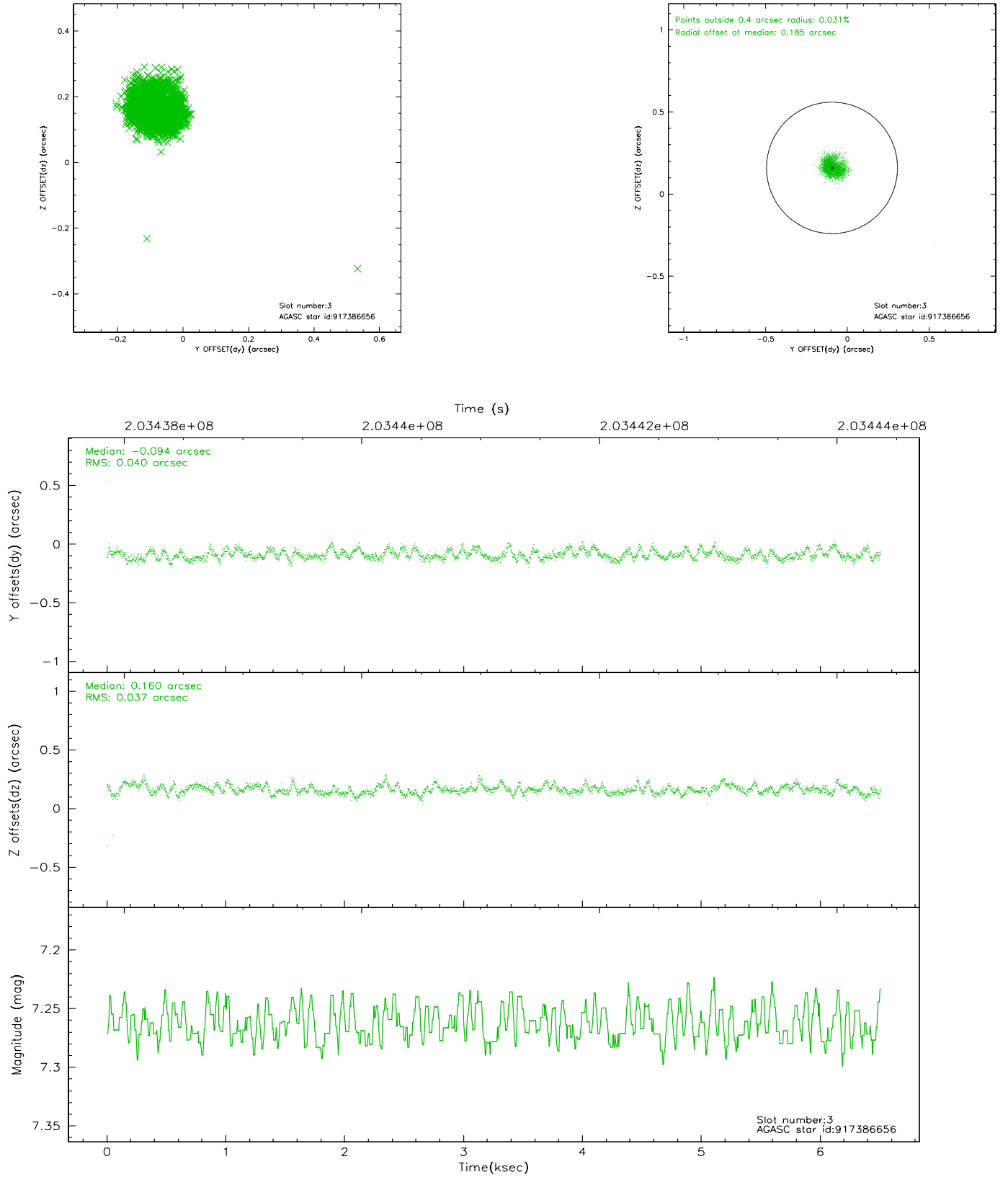
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.20	1589	0.038	0.011	0.007	0.010	0.000000	0.000000	2154.12	178.05
1	FID	ACIS-S-5	7.23	1588	-0.055	0.011	0.005	0.010	0.000000	0.000000	-1811.01	171.59
2	FID	ACIS-S-6	7.34	1589	-0.011	-0.008	0.009	0.014	0.000000	0.000000	401.35	815.33
3	GUIDE	917386656	7.26	3177	-0.094	0.160	0.056	0.090	15.342124	-33.359890	621.87	-1385.09
4	GUIDE	917389080	10.14	3175	0.053	0.120	0.152	0.256	15.722484	-33.662555	-911.39	-1758.29
5	GUIDE	917389288	9.57	3174	-0.099	0.282	0.103	0.165	15.394706	-33.185862	1064.17	-1856.13
6	GUIDE	917650528	8.72	3171	-0.016	-0.256	0.089	0.140	14.274554	-33.869842	779.03	2300.32
7	GUIDE	917651048	9.66	3173	0.153	-0.299	0.180	0.272	14.655628	-34.424089	-1514.66	2399.38

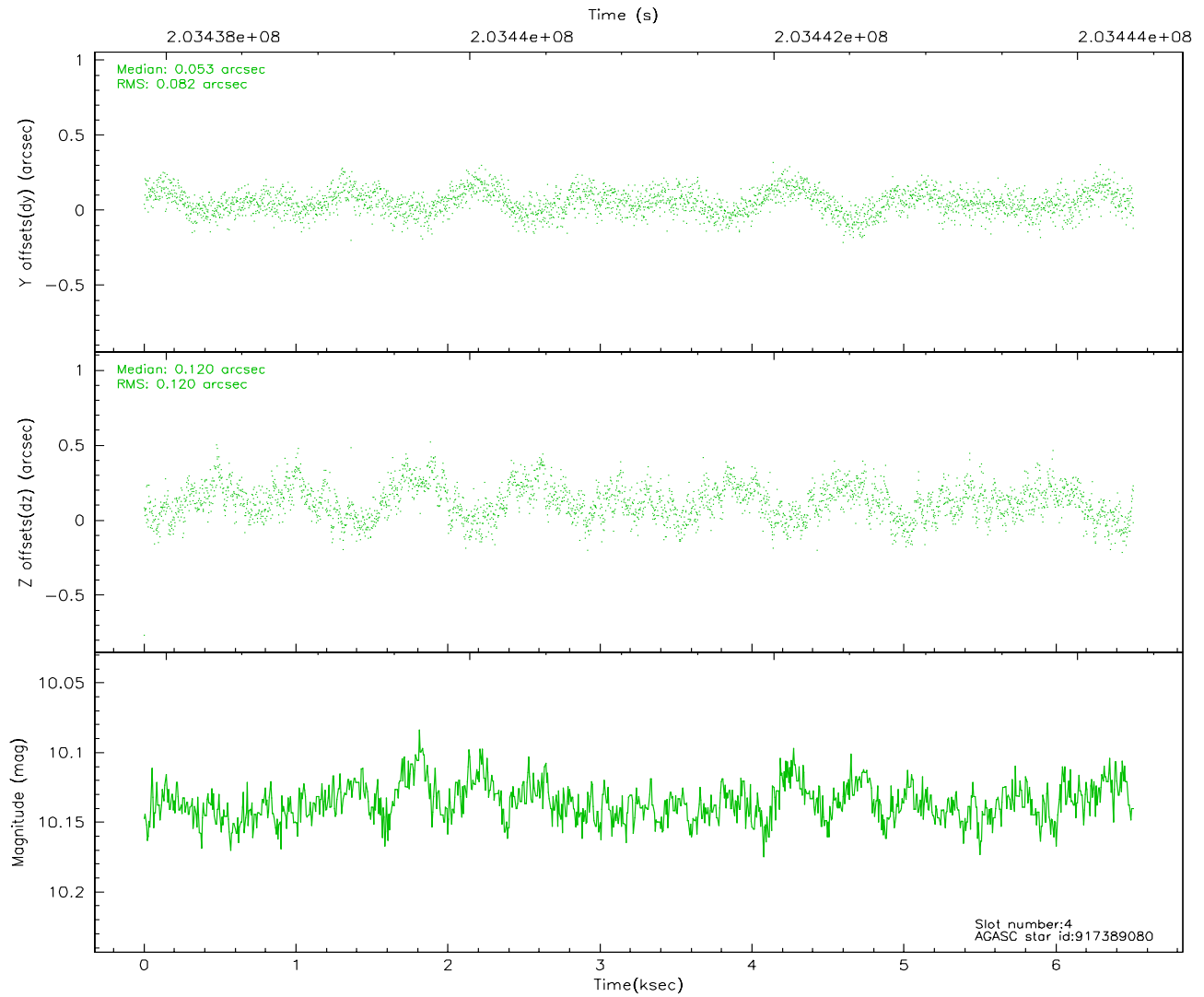
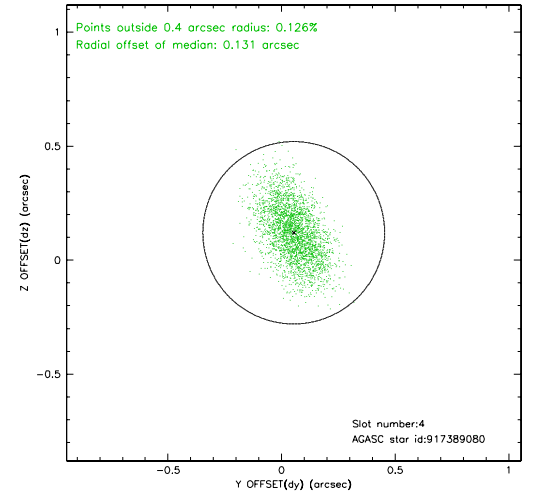
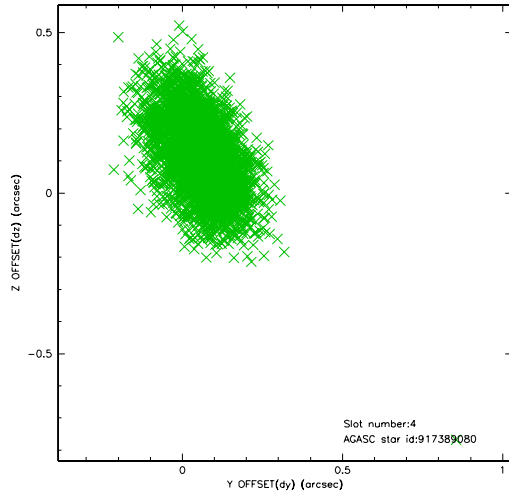


## 2.4 Star Slots

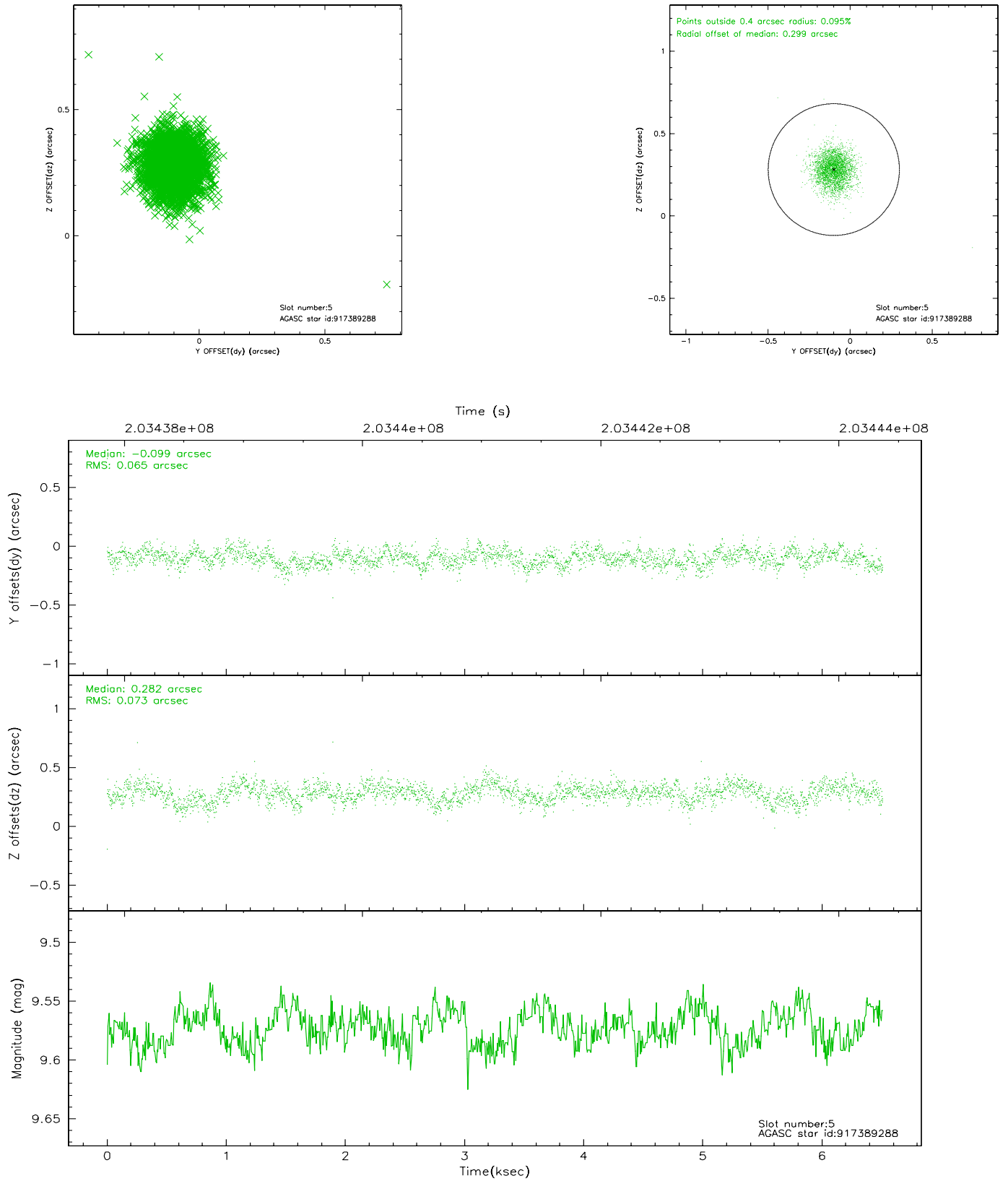
### 2.4.1 Slot 3



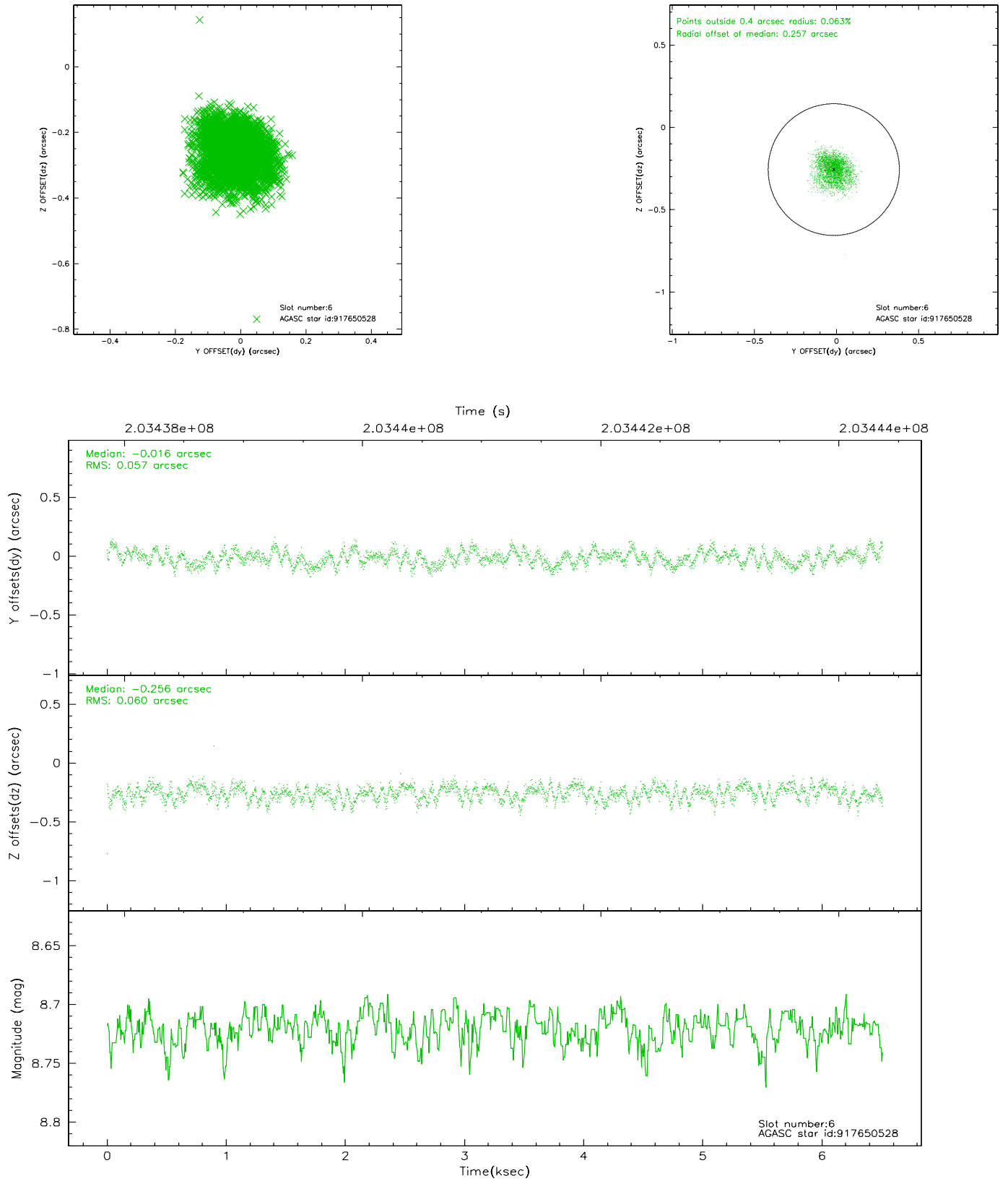
## 2.4.2 Slot 4



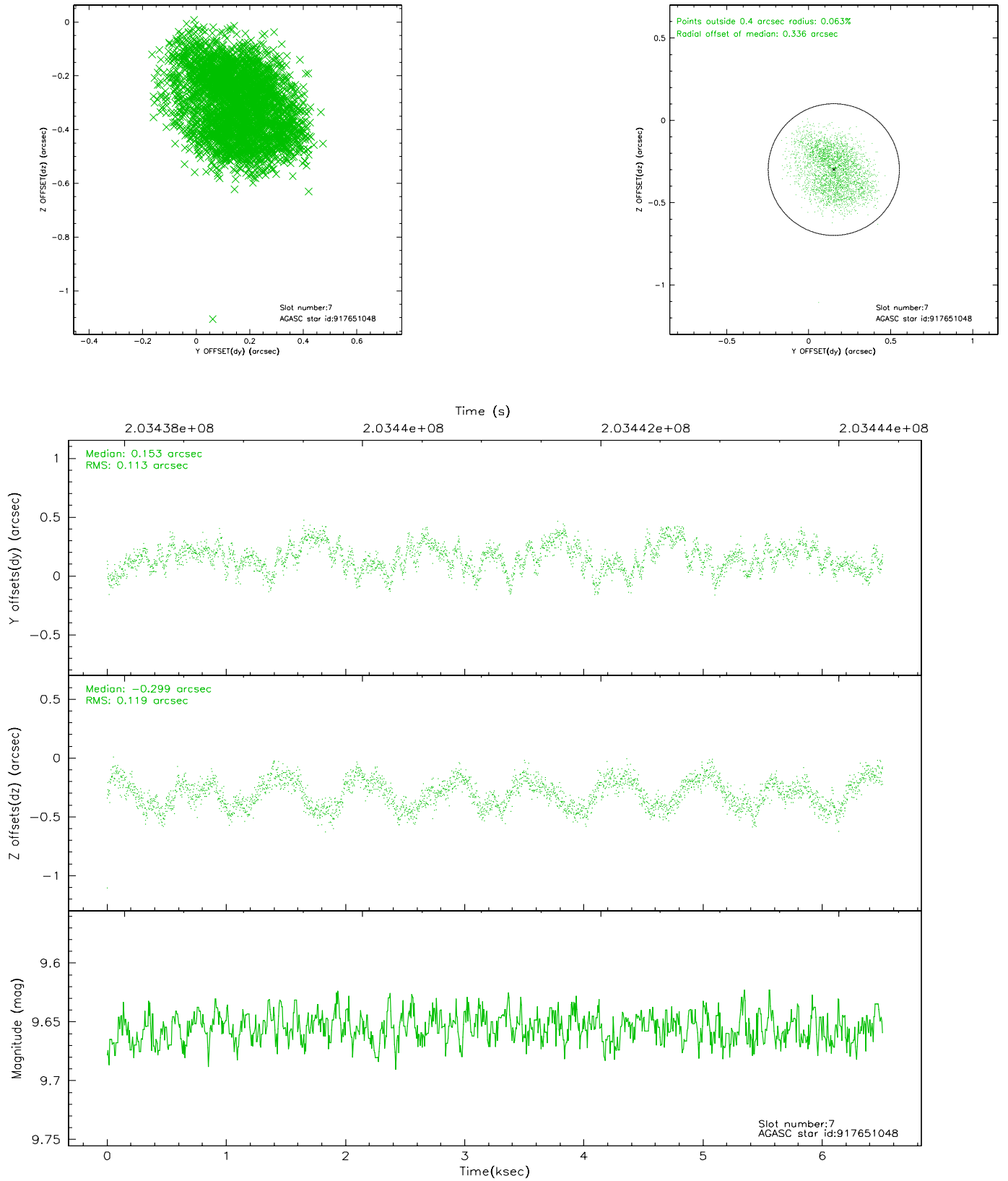
### 2.4.3 Slot 5



## 2.4.4 Slot 6

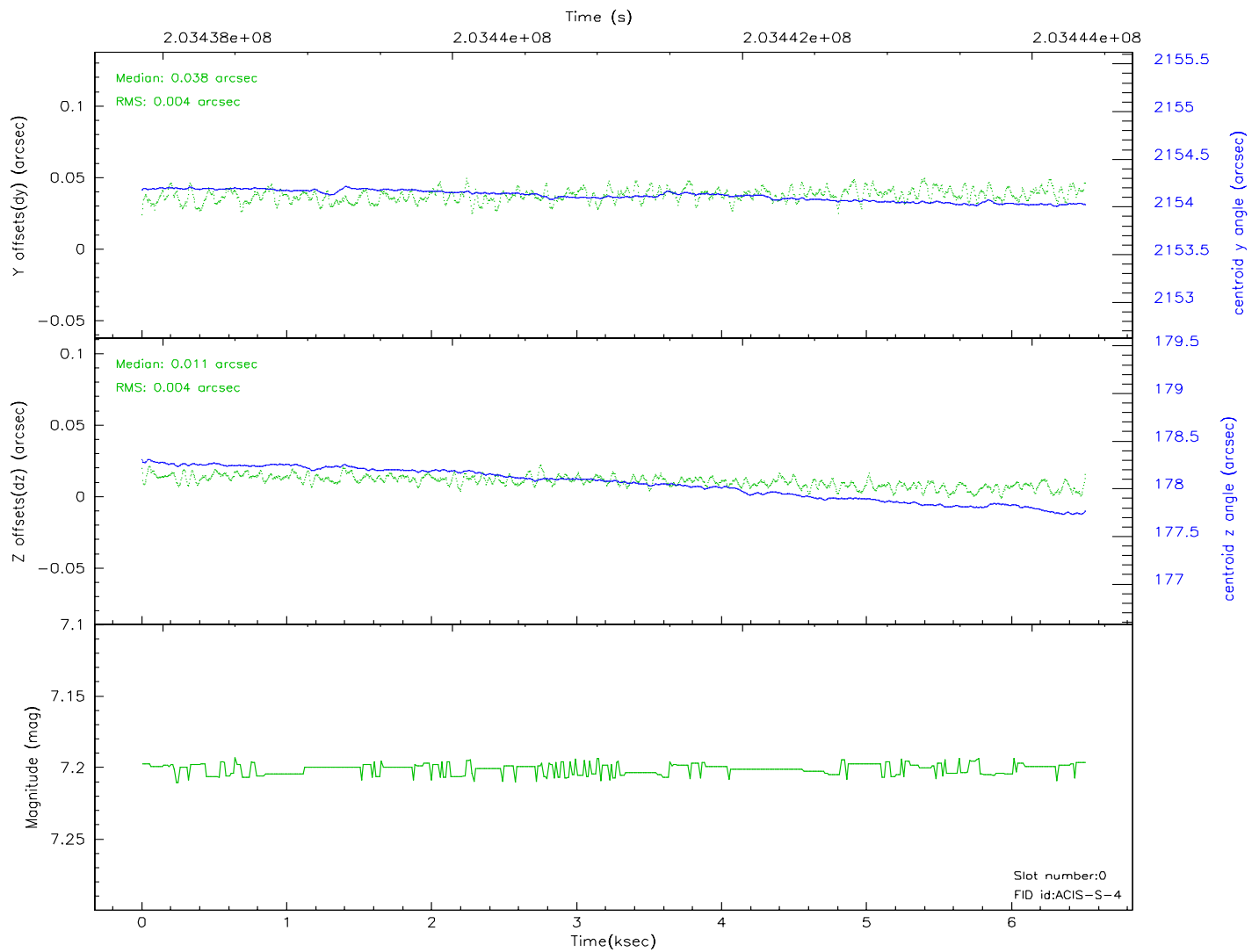
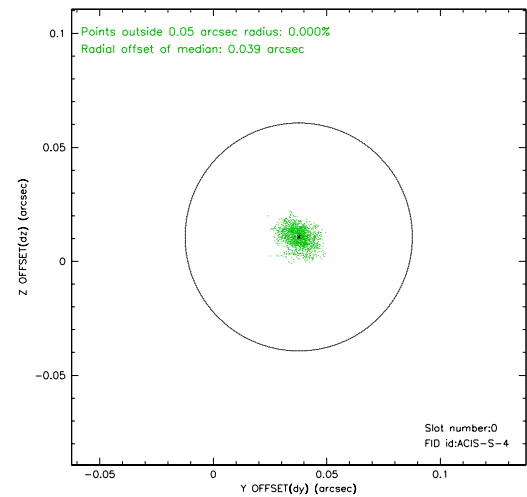
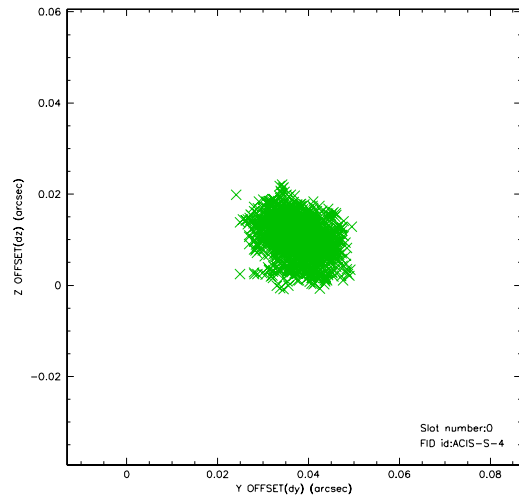


## 2.4.5 Slot 7

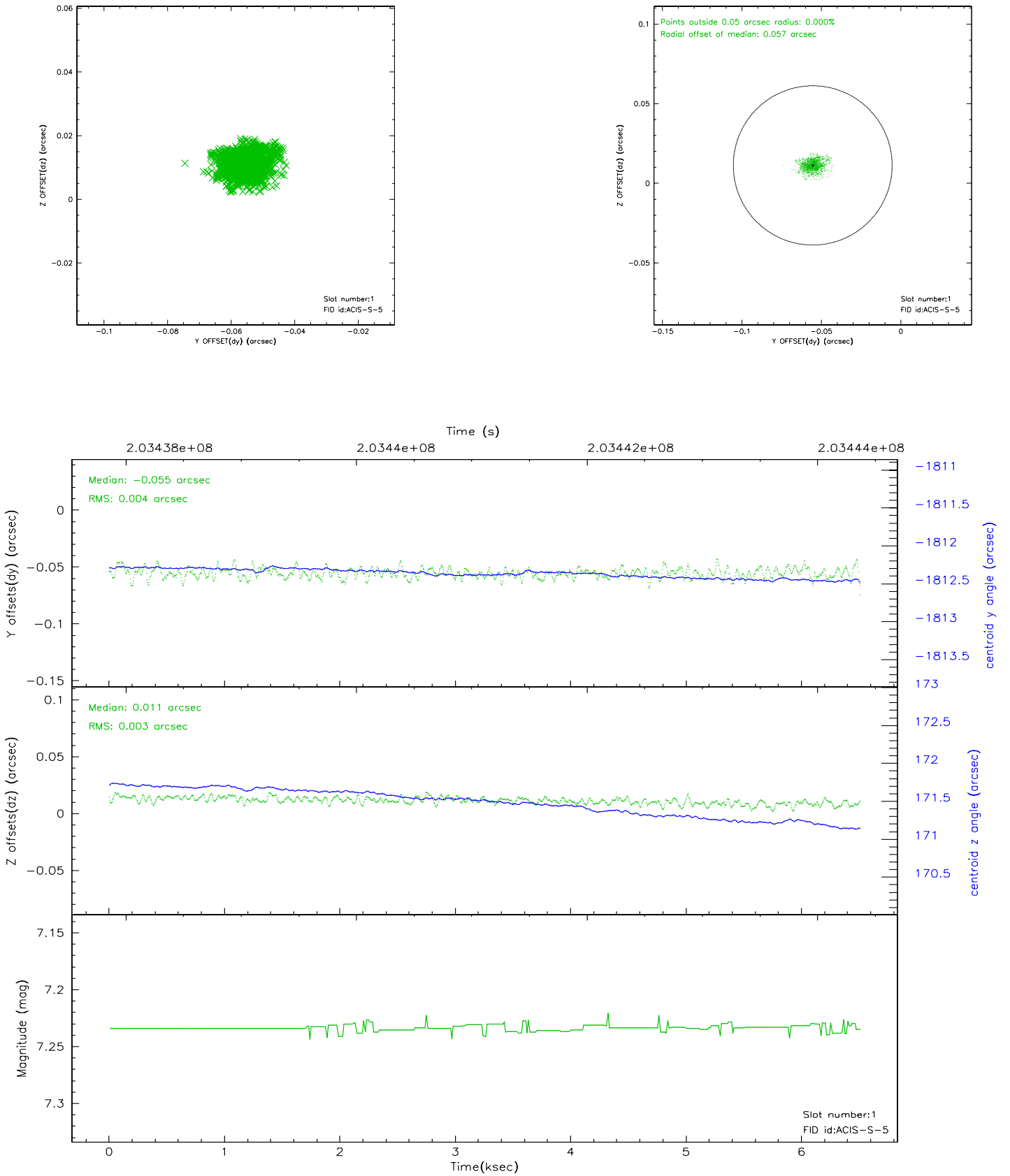


## 2.5 FID Slots

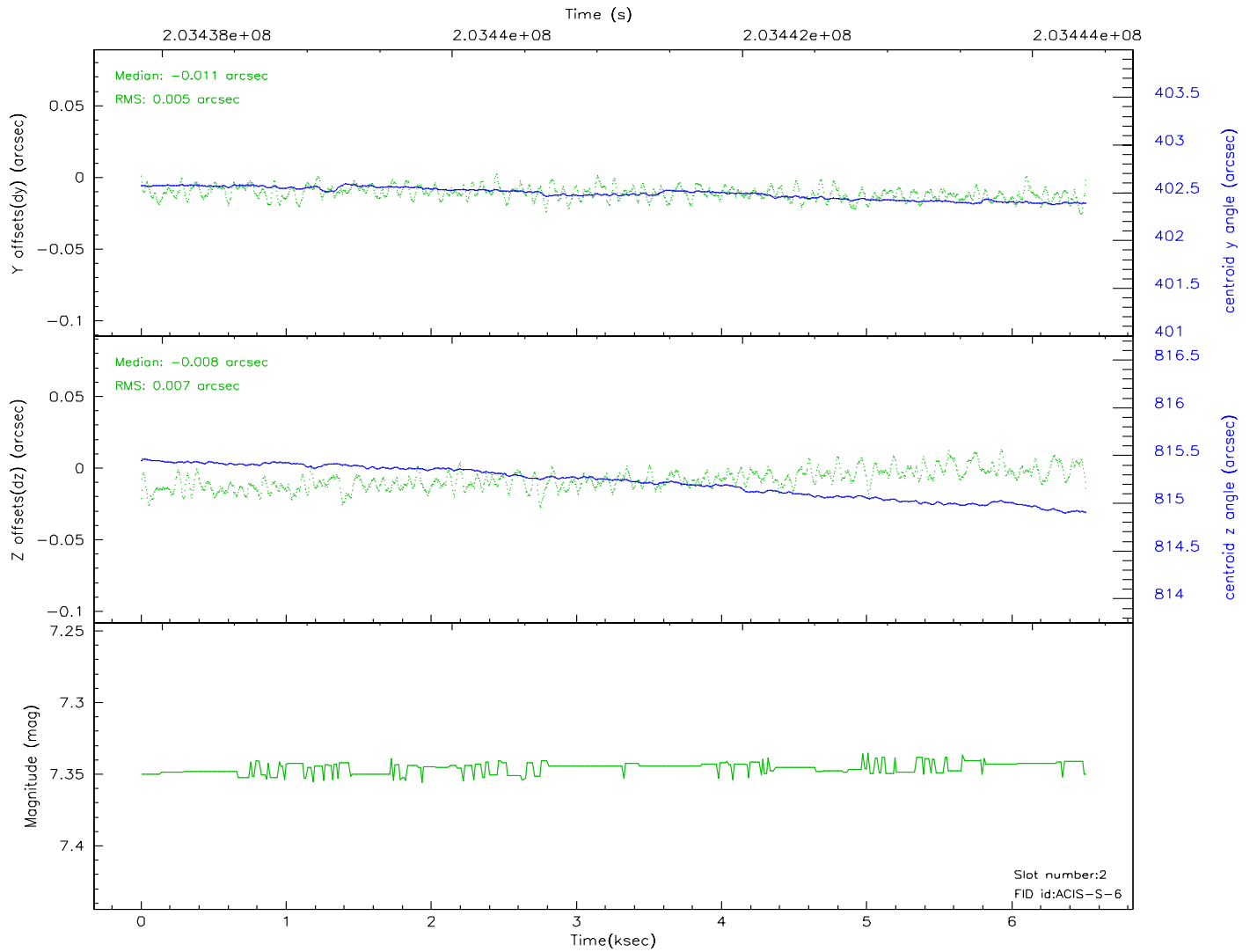
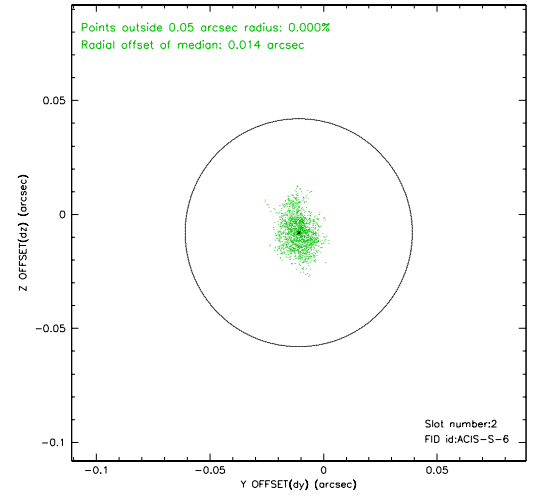
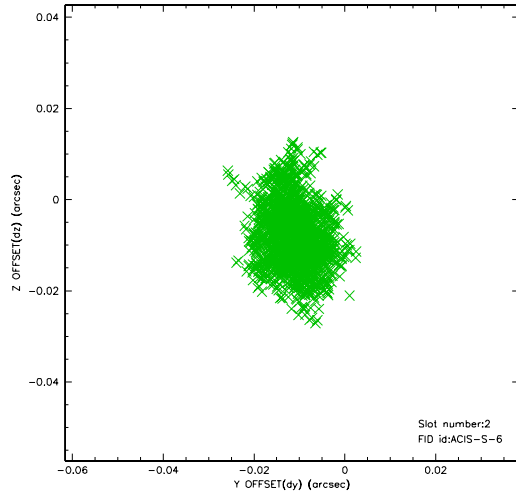
### 2.5.1 Slot 0



## 2.5.2 Slot 1

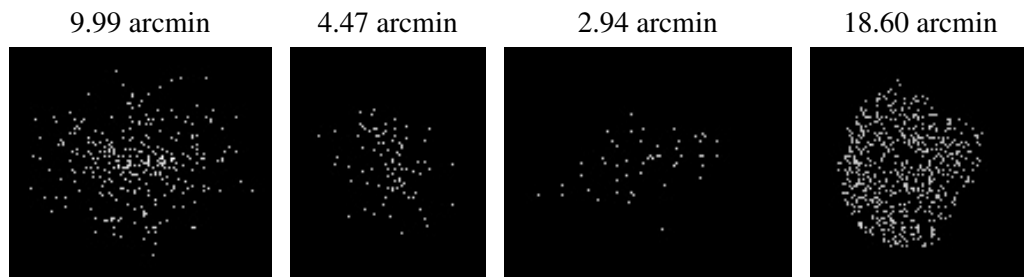


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.961

### A.2 Comments

Monitor constraint met.