

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2053 - L2 Version 001  
Chandra X-Ray Center

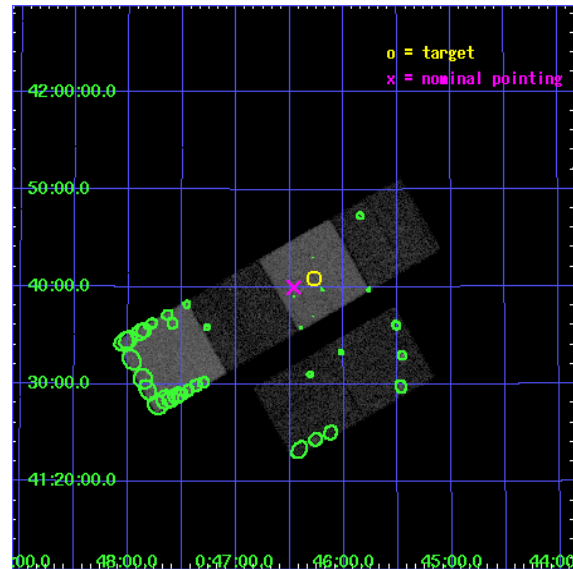
L2 Processing Date : Nov 7 2006

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# 1 Front

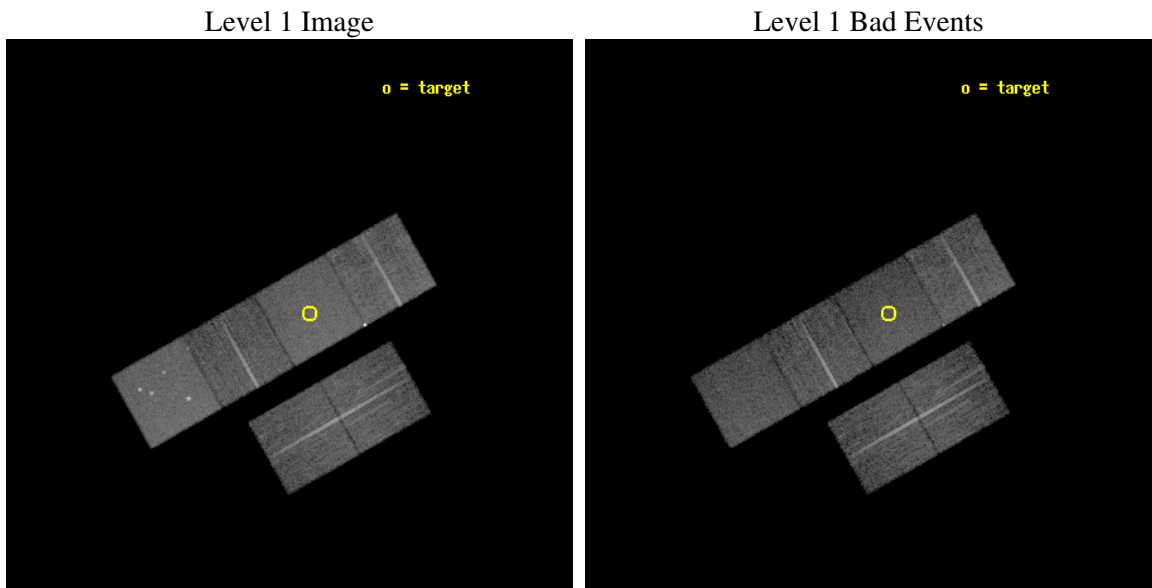
seq_num	600187
obs_id	2053
title	2001: A SPACE CENSUS -- SUPERSOFT X-RAY SOURCES AND OTHER X-RAY SOURCES IN M31
observer	Dr Rosanne Di Stefano
object	M31_3
dtcycle	0
cycle	P
ra_targ	11.569583
dec_targ	41.681944
ra_nom	11.615378469229
dec_nom	41.666182912357
roll_nom	330.45710015174
revision	2
ontime	13529.6000126
livetime	13358.280070694
ontime2	13523.118032277
ontime3	13529.6000126
ontime5	13529.6000126
ontime6	13526.359082282
ontime7	13529.6000126
ontime8	13526.359052375
l2events	132420



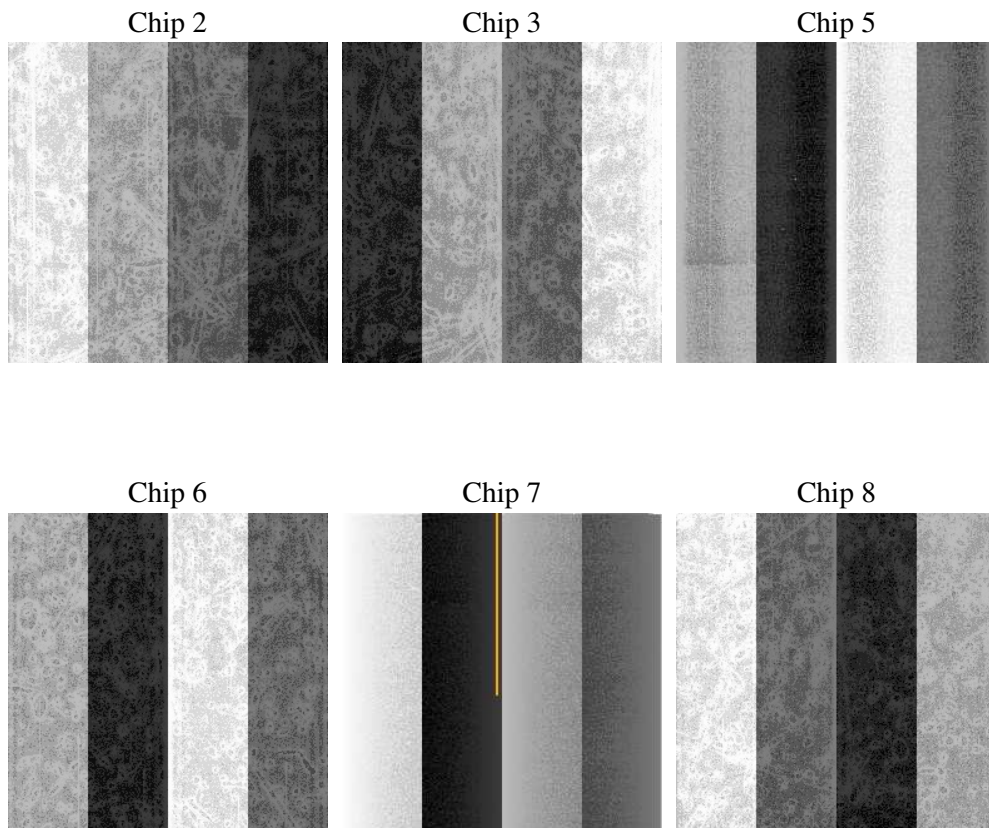
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-07T23:01:53
revision	2

sched_exp_time	13500.000000
ontime	13534.403773189
ontime2	13527.921792865
ontime3	13534.403773189
ontime5	13534.403773189
ontime6	13531.16284287
ontime7	13534.403773189
ontime8	13531.162812963
l1events	625371

### 2.1.4 Events

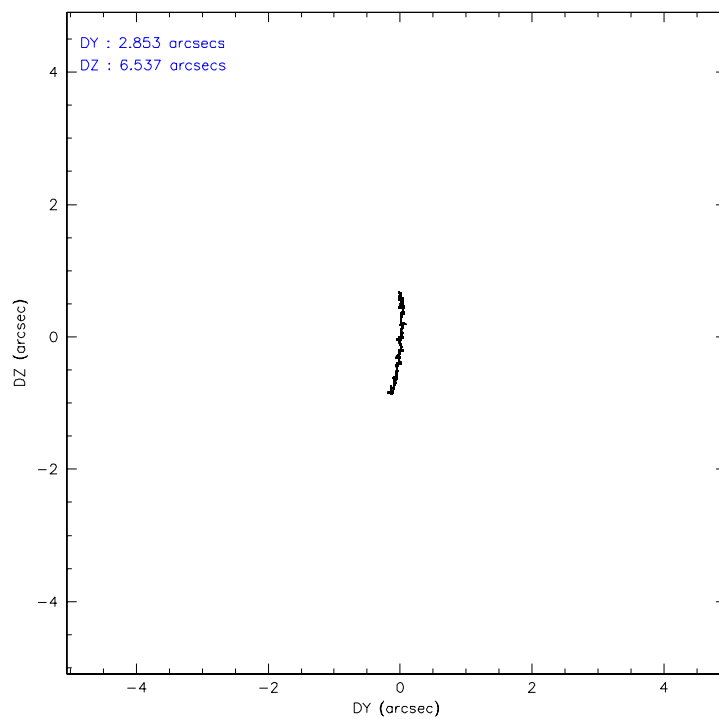
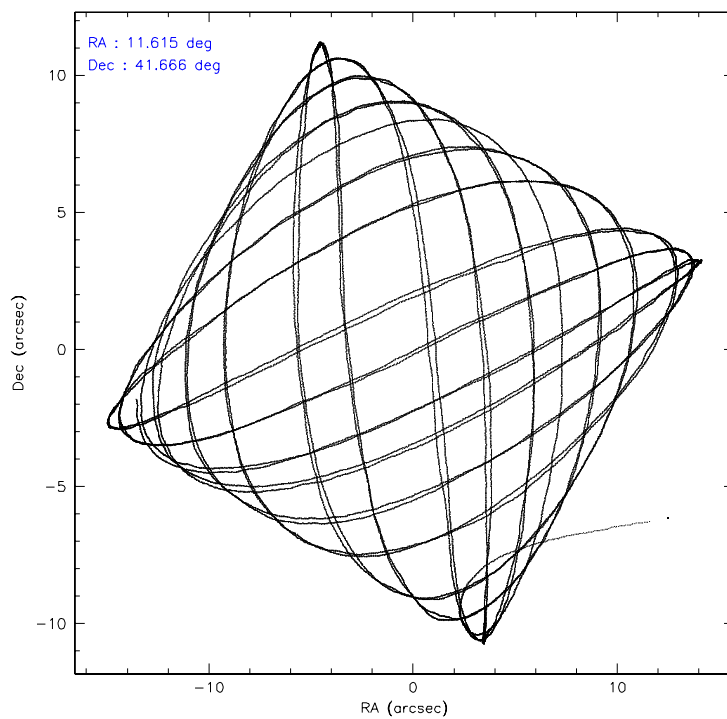
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	90198	91853	125829	88914	115754	112823
rejected events	80092	81613	69274	78958	70380	89530
rejected %	88%	88%	55%	88%	60%	79%

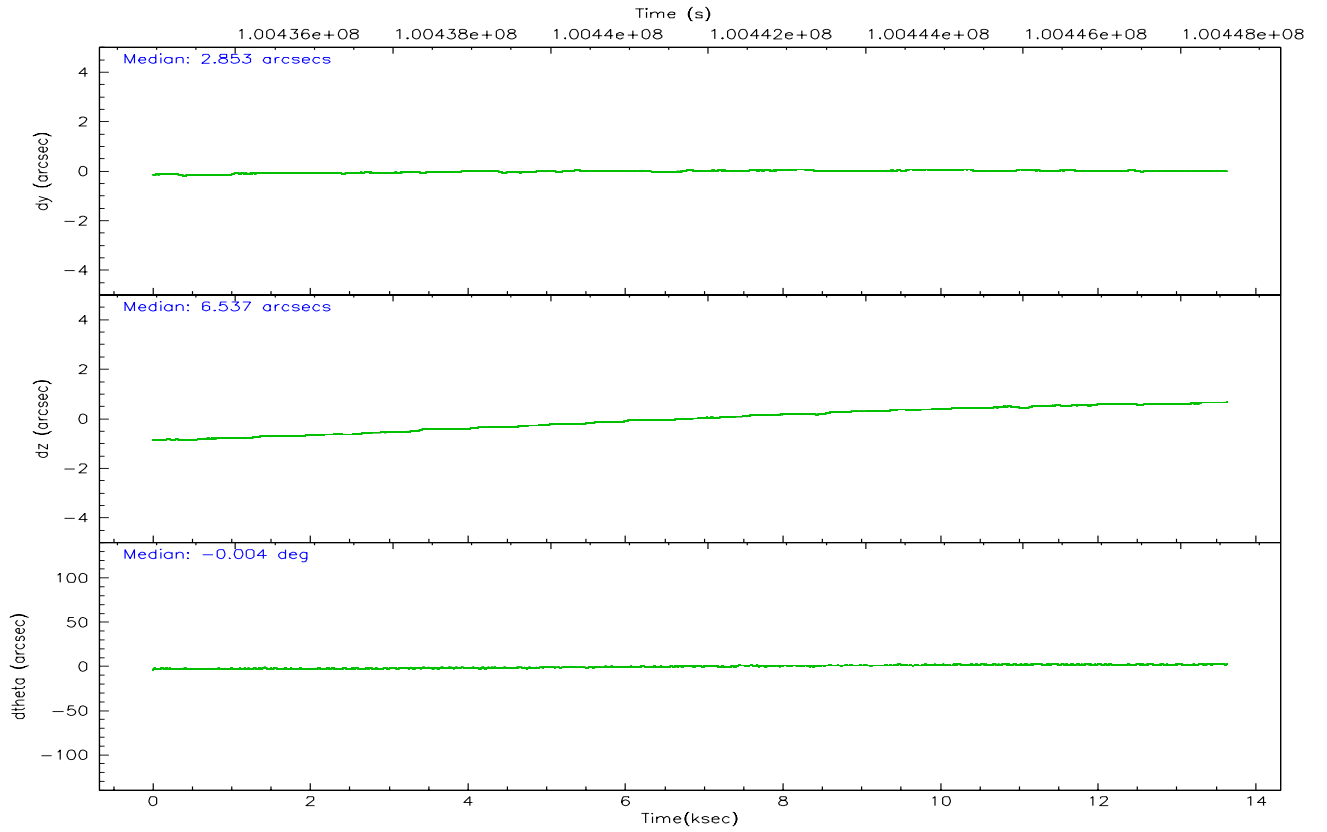
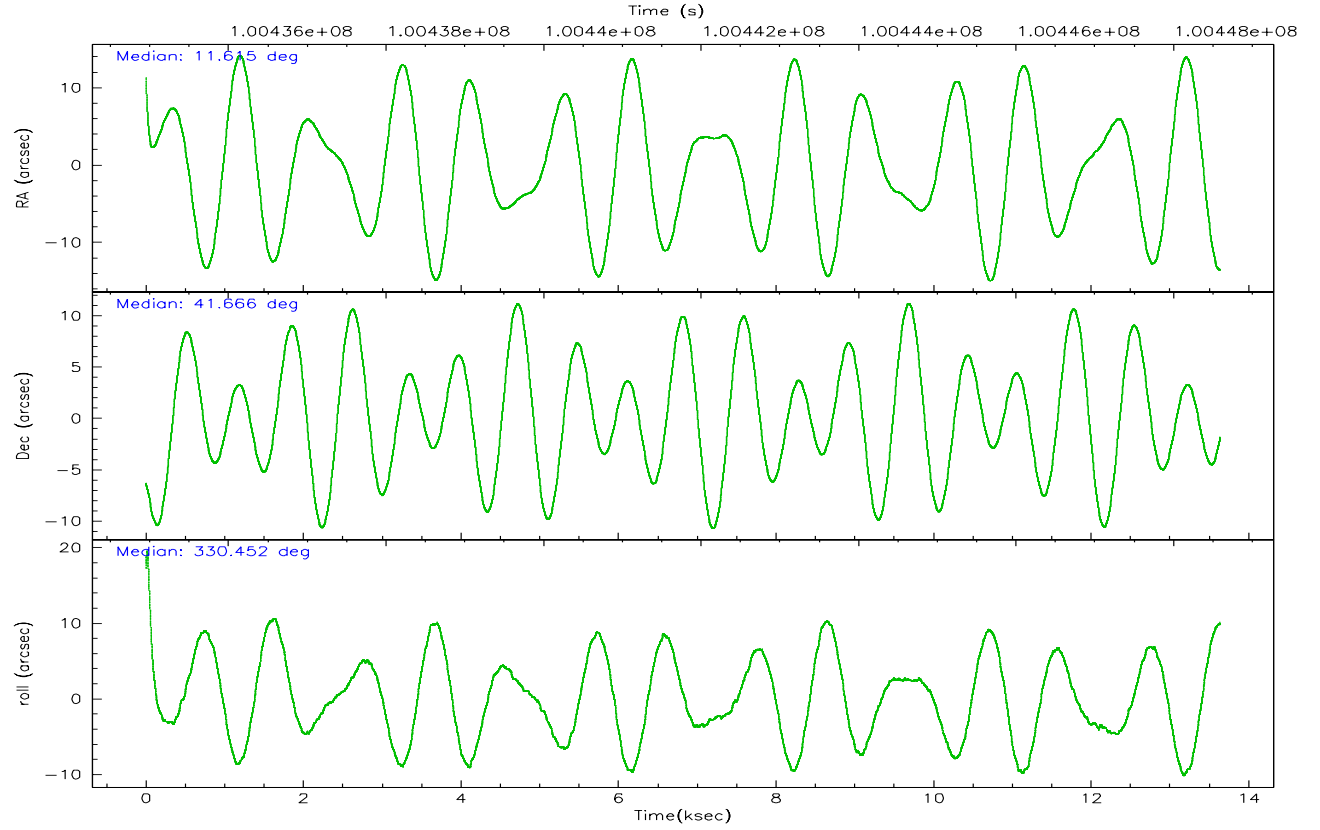
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4312	4477	6794	3994	2956	8250
	4%	4%	5%	4%	2%	7%
grade 1 events	37	42	197	46	79	95
	0%	0%	0%	0%	0%	0%
grade 2 events	2145	1978	16503	1939	11339	4939
	2%	2%	13%	2%	9%	4%
grade 3 events	906	1020	1252	1034	2480	2368
	1%	1%	0%	1%	2%	2%
grade 4 events	957	964	1261	1020	2481	2255
	1%	1%	1%	1%	2%	1%
grade 5 events	3118	3465	5936	3605	7700	4648
	3%	3%	4%	4%	6%	4%
grade 6 events	1796	1806	30760	1971	26136	5491
	1%	1%	24%	2%	22%	4%
grade 7 events	76927	78101	63126	75305	62583	84777
	85%	85%	50%	84%	54%	75%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	11.578795	11.61537846922881	Subarray requested	NONE	NONE
Pointing Dec	41.665752	41.6661829123568	Alternating exposures requested	N	N
Pointing Roll	330.324781	330.4571001517364	Primary exposure time	0.000000	3.2
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	100435091.184000	100434068.33472			
Observation start date	2001-03-08T10:37:07	2001-03-08T10:21:08			
Observation end time	100448591.184000	100448736.59779			
Observation end date	2001-03-08T14:22:07	2001-03-08T14:25:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect





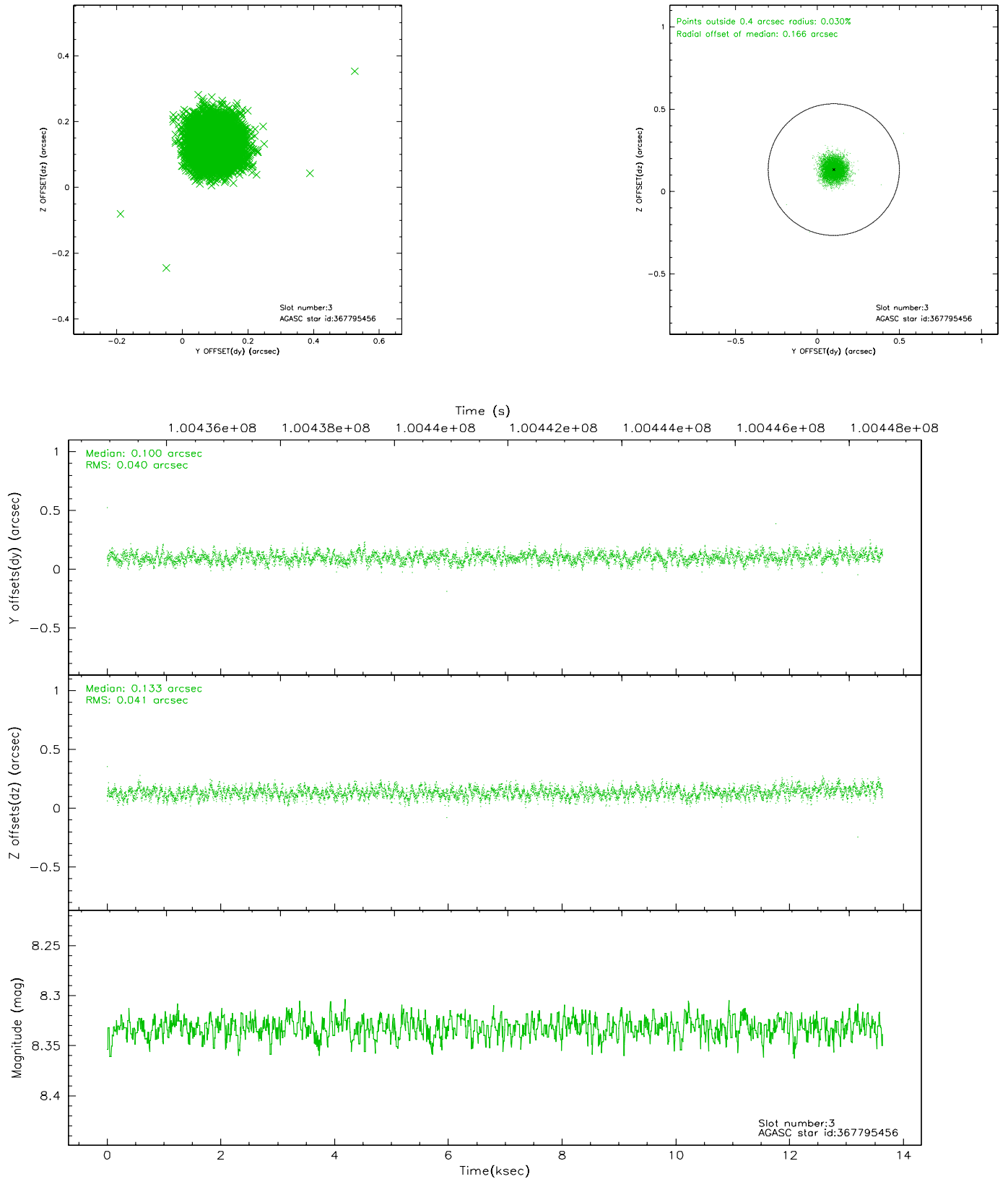
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	3326	-0.084	-0.053	0.020	0.037	0.000000	0.000000	57.63	-1856.77
1	FID	ACIS-S-4	7.20	3326	-0.055	0.068	0.011	0.019	0.000000	0.000000	2157.84	180.49
2	FID	ACIS-S-5	7.24	3327	0.112	-0.007	0.016	0.029	0.000000	0.000000	-1807.76	174.54
3	GUIDE	367795456	8.33	6651	0.100	0.133	0.061	0.097	12.718357	41.925659	2178.86	2341.72
4	GUIDE	367657272	8.41	6648	0.021	0.004	0.052	0.086	11.834471	41.298907	1254.84	-804.02
5	GUIDE	367674552	8.85	6649	-0.053	-0.100	0.073	0.114	11.016238	41.570845	-1149.18	-1043.31
6	GUIDE	367146616	8.85	6653	-0.031	-0.091	0.069	0.115	11.418645	41.190163	470.73	-1702.52
7	GUIDE	367670520	9.27	6650	-0.035	0.055	0.092	0.148	11.265516	42.371946	-1983.25	1797.03

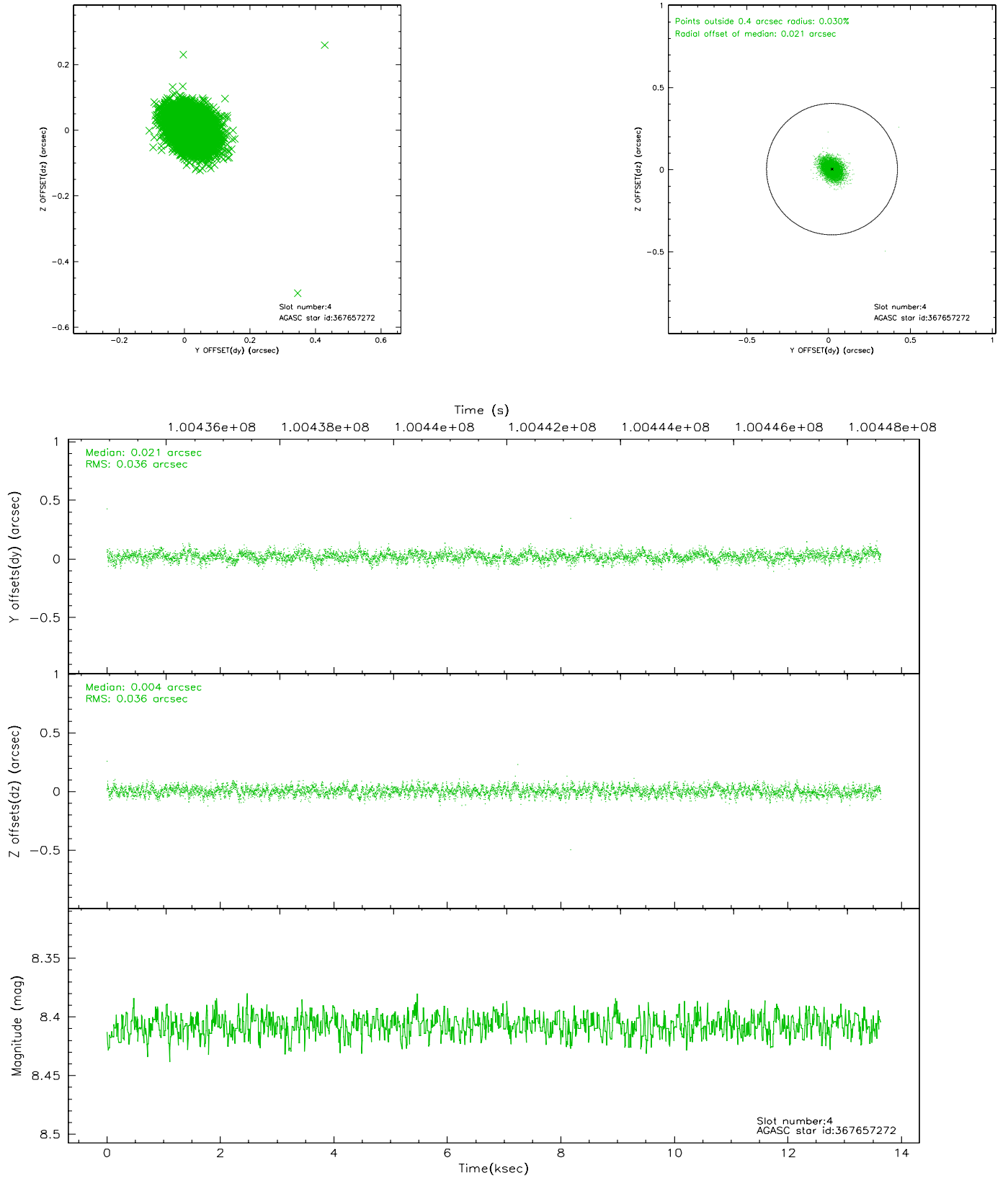


## 2.4 Star Slots

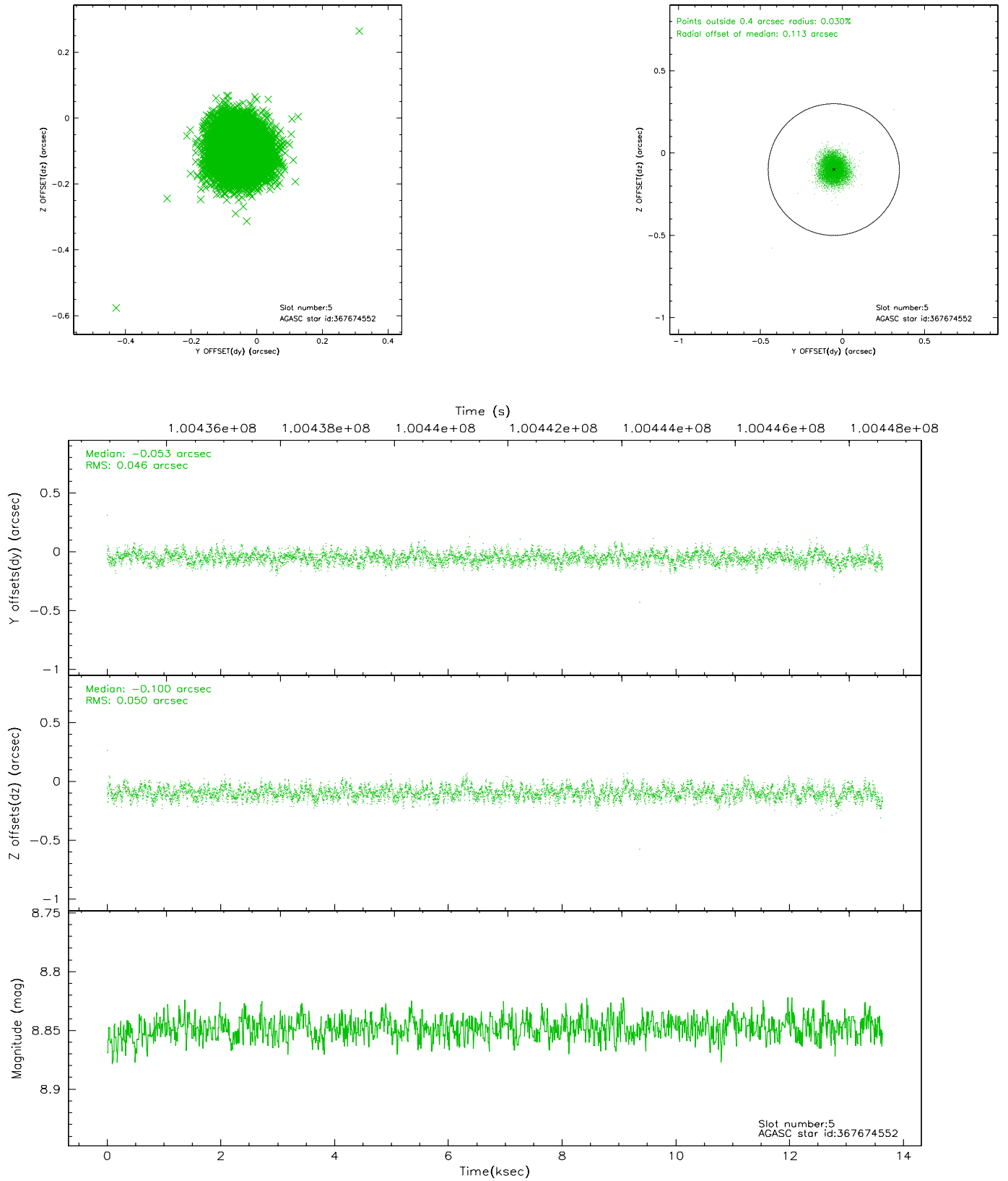
### 2.4.1 Slot 3



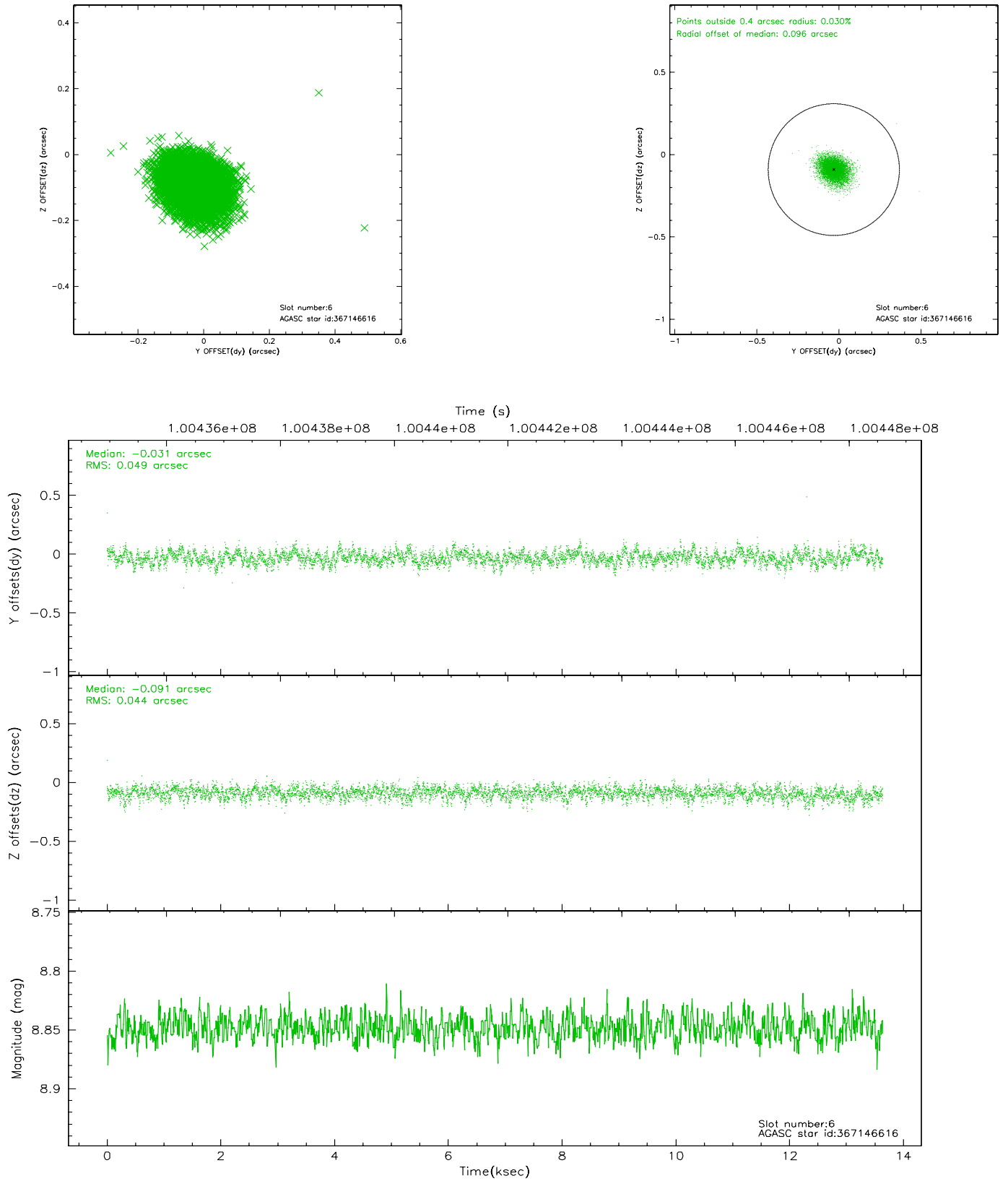
## 2.4.2 Slot 4



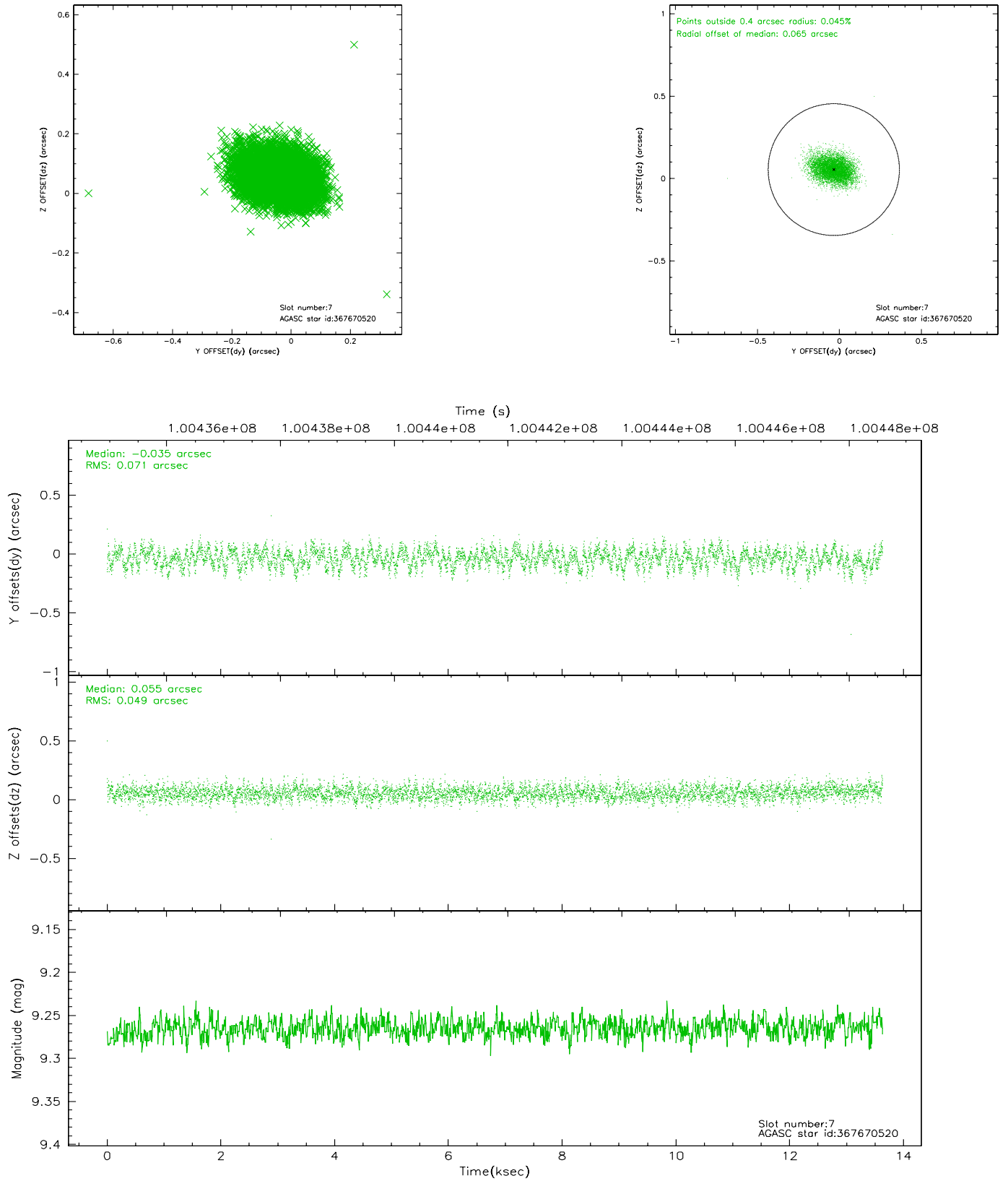
### 2.4.3 Slot 5



## 2.4.4 Slot 6

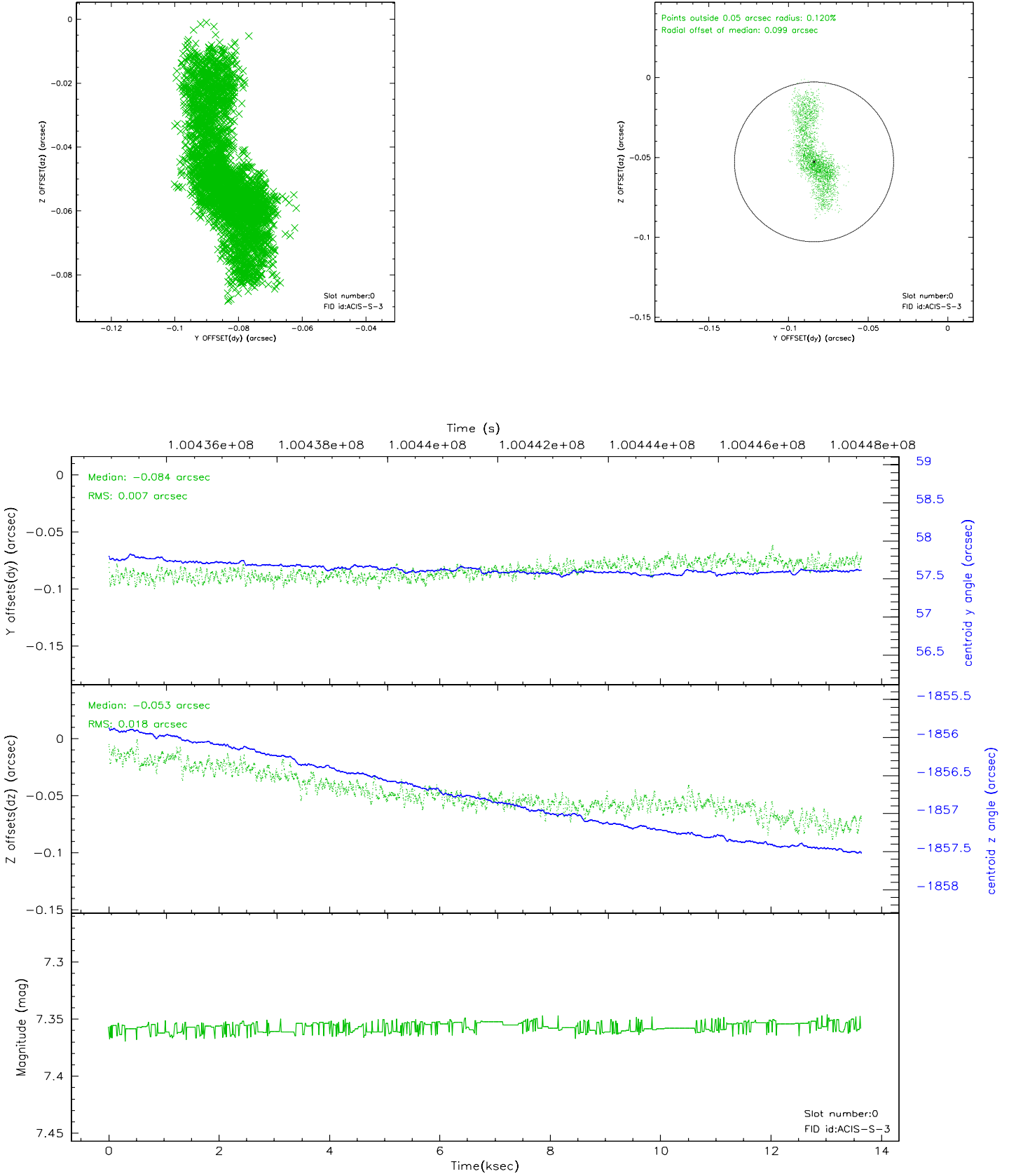


## 2.4.5 Slot 7

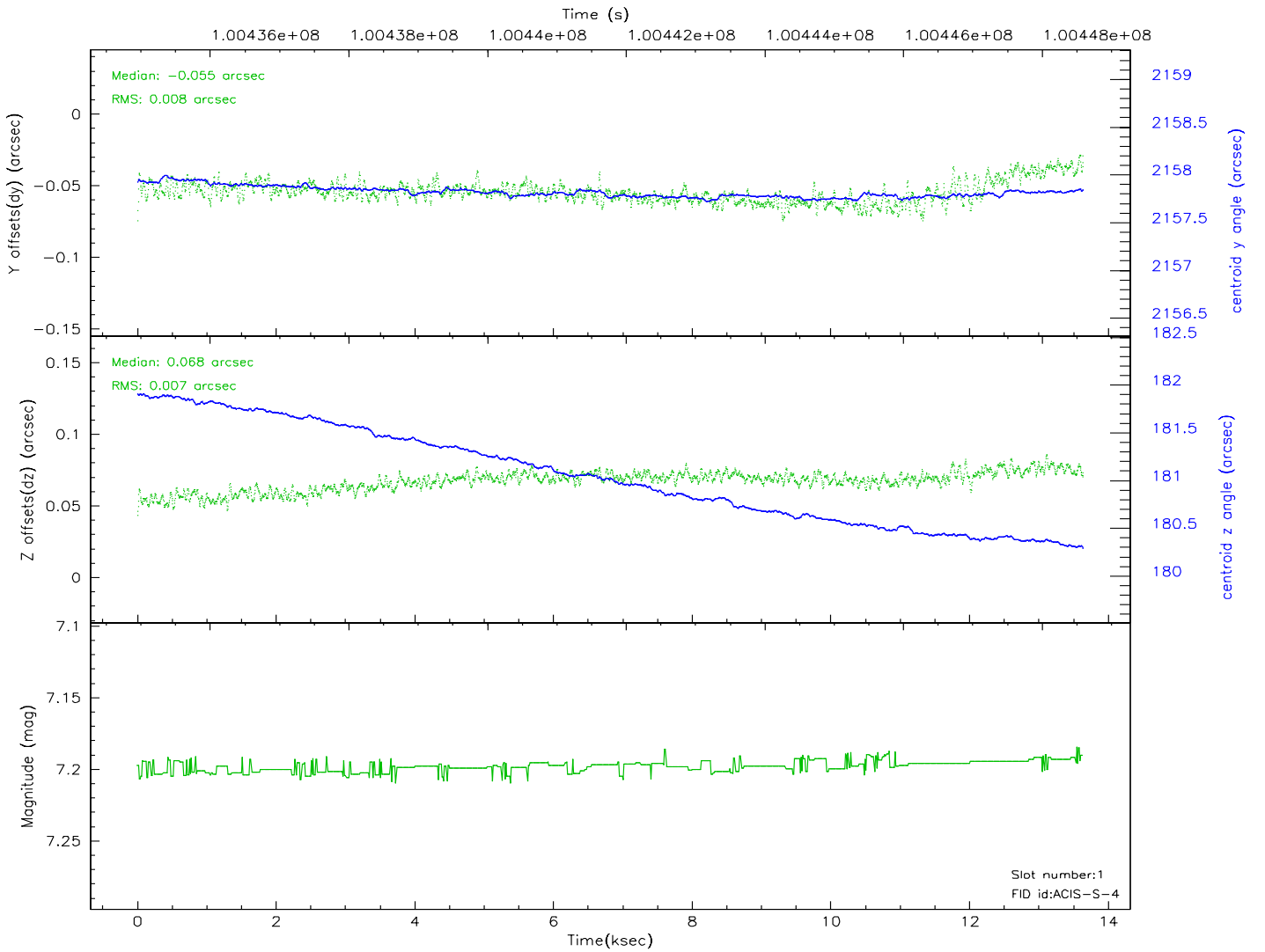
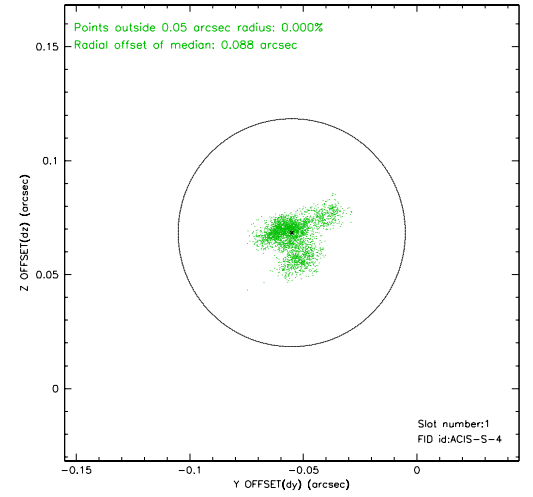
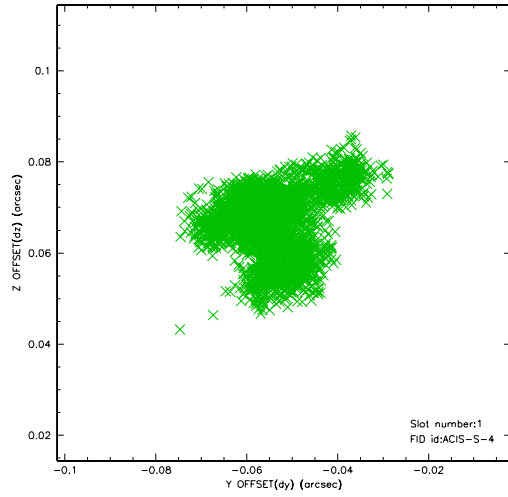


## 2.5 FID Slots

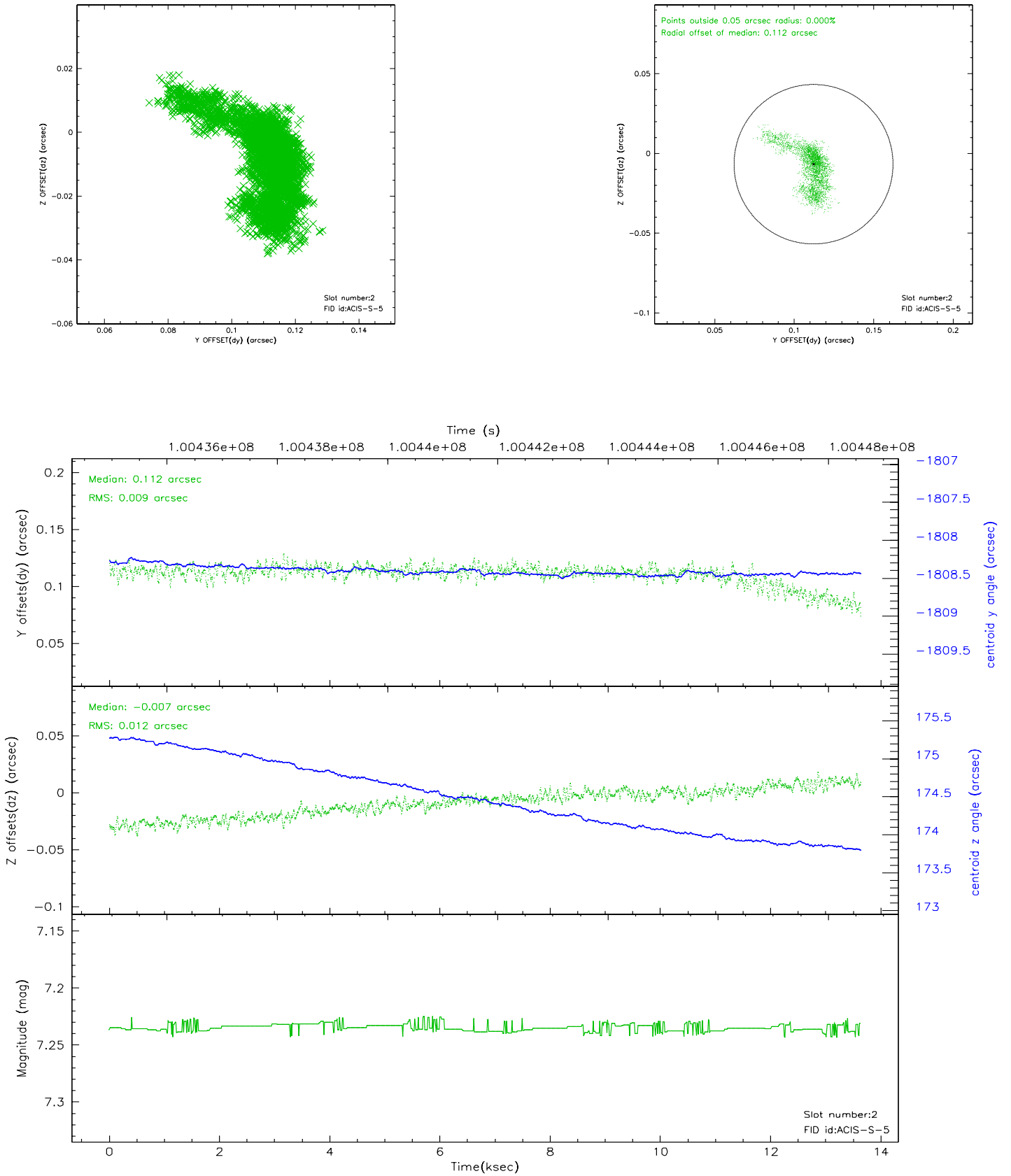
### 2.5.1 Slot 0



## 2.5.2 Slot 1

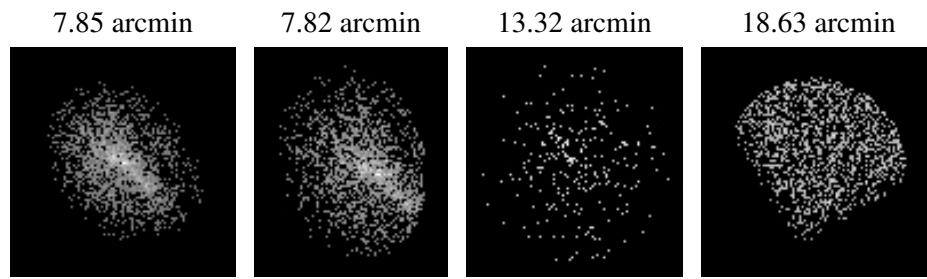


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.53

### A.2 Comments

Monitor constraint met.