

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 4857 - L2 Version 001  
Chandra X-Ray Center

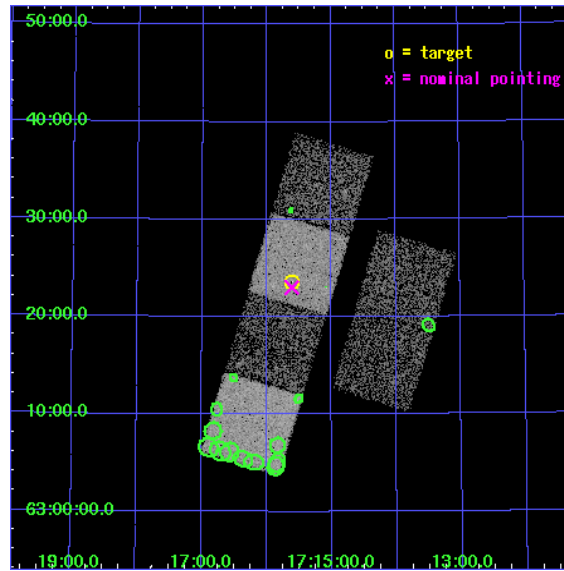
L2 Processing Date : Apr 16 2006

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# 1 Front

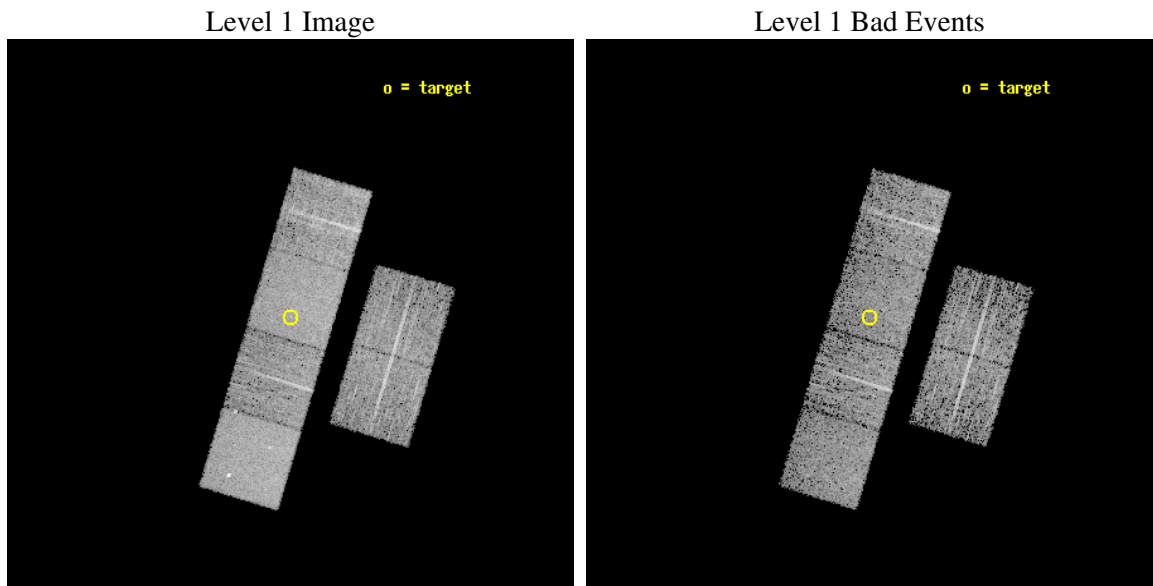
seq_num	700939
obs_id	4857
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey
observer	Gordon Richards
object	SDSS J171535.96+632336.0
dtcycle	0
cycle	P
ra_targ	258.9
dec_targ	63.393333
ra_nom	258.90242347788
dec_nom	63.383695905104
roll_nom	286.75066812584
revision	2
ontime	4307.1999839544
livetime	4252.6596242731
ontime2	4307.1999839544
ontime3	4307.1999839544
ontime5	4307.1999839544
ontime6	4307.1999839544
ontime7	4307.1999839544
ontime8	4307.1999839544
l2events	50535



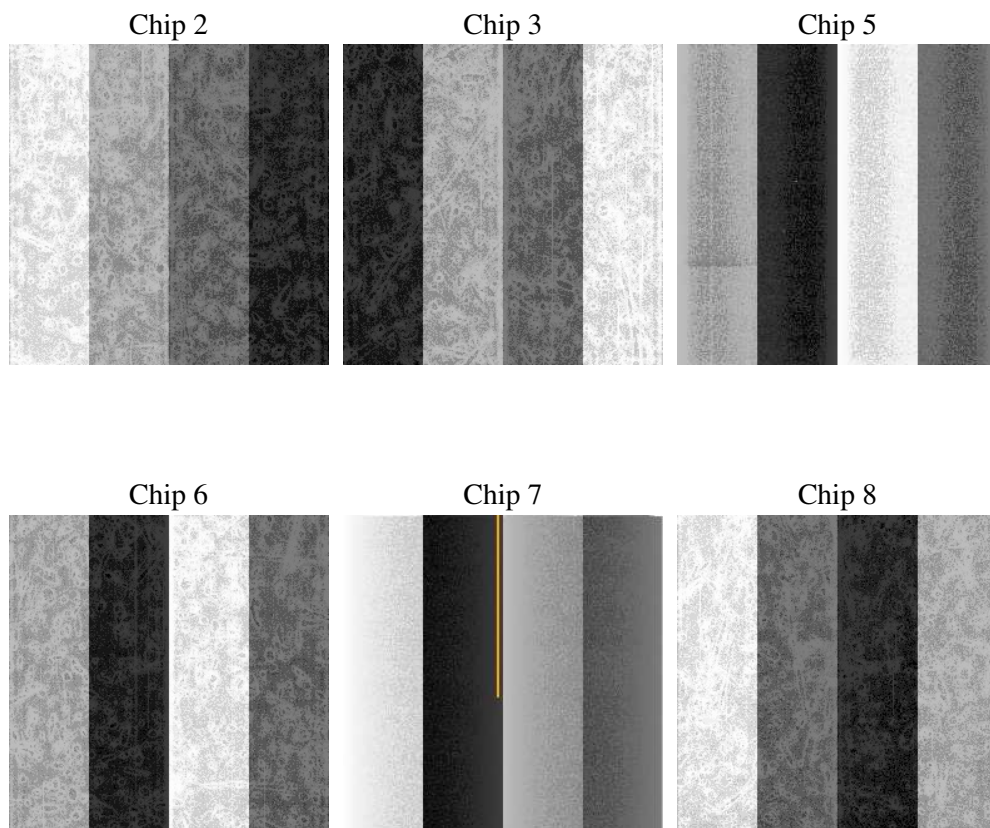
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-16T17:37:25
revision	2

sched_exp_time	4350.000000
ontime	4313.7740429342
ontime2	4313.7740429342
ontime3	4313.7740429342
ontime5	4313.7740429342
ontime6	4313.7740429342
ontime7	4313.7740429342
ontime8	4313.7740429342
l1events	231930

### 2.1.4 Events

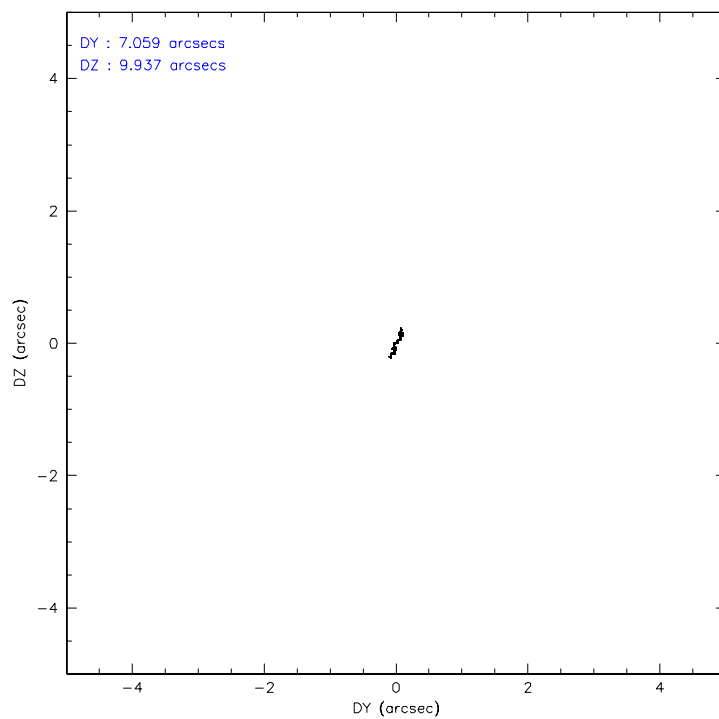
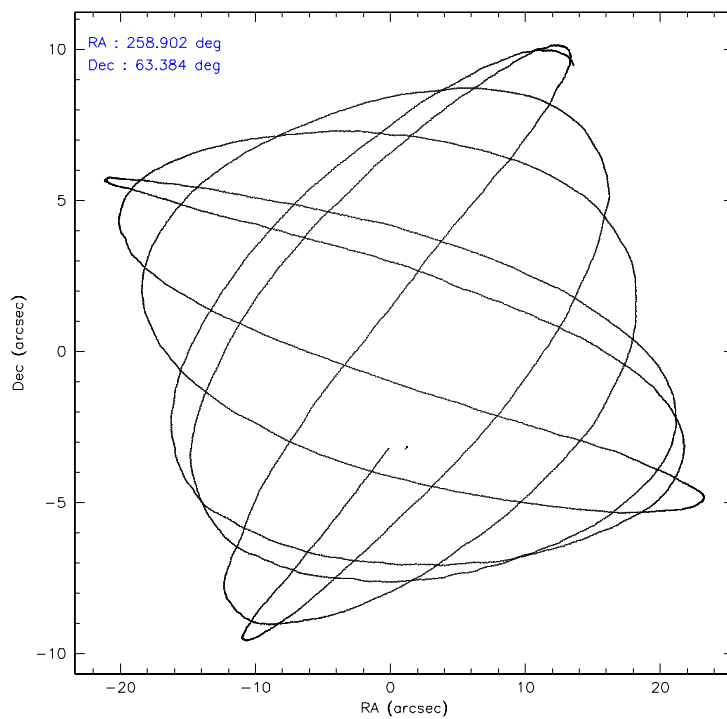
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32782	31395	49031	32980	44325	41417
rejected events	29045	27601	27516	29135	27445	32518
rejected %	88%	87%	56%	88%	61%	78%

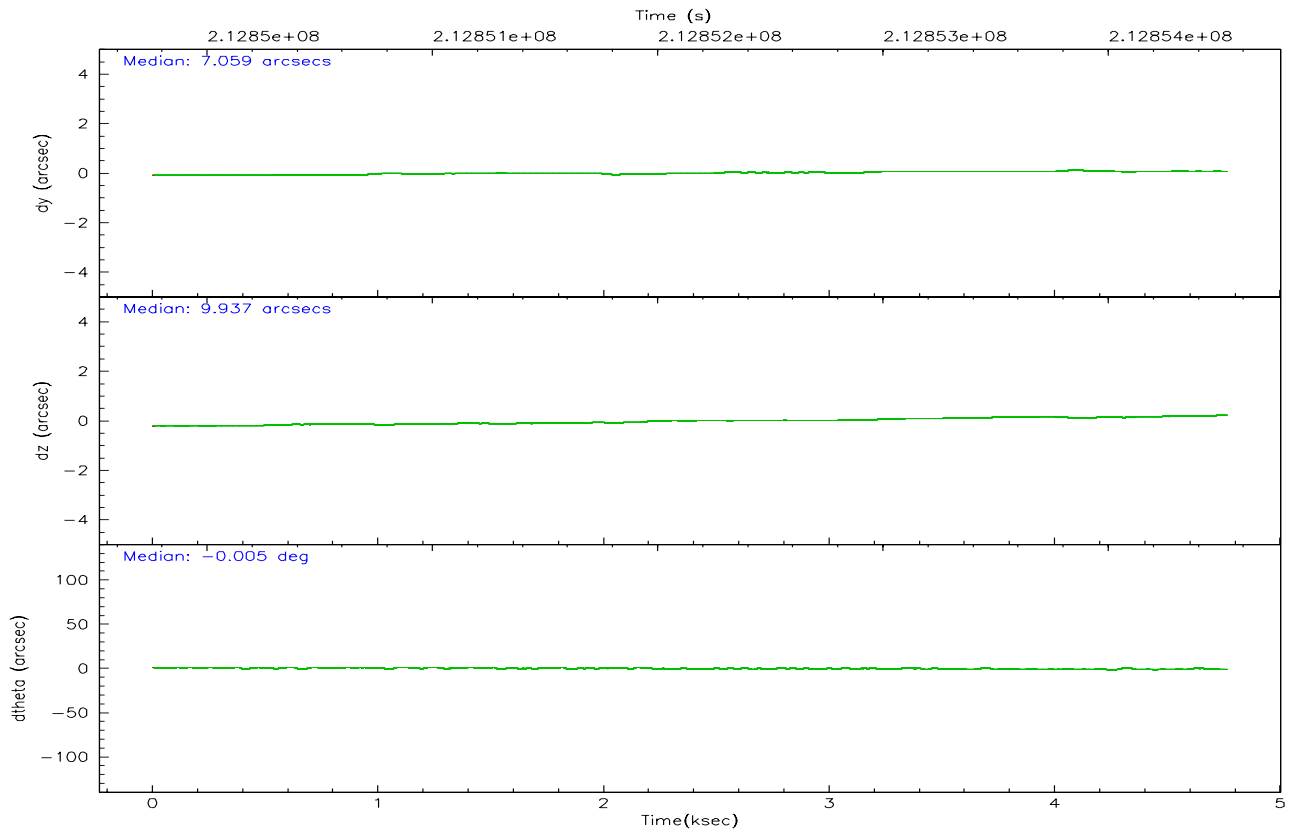
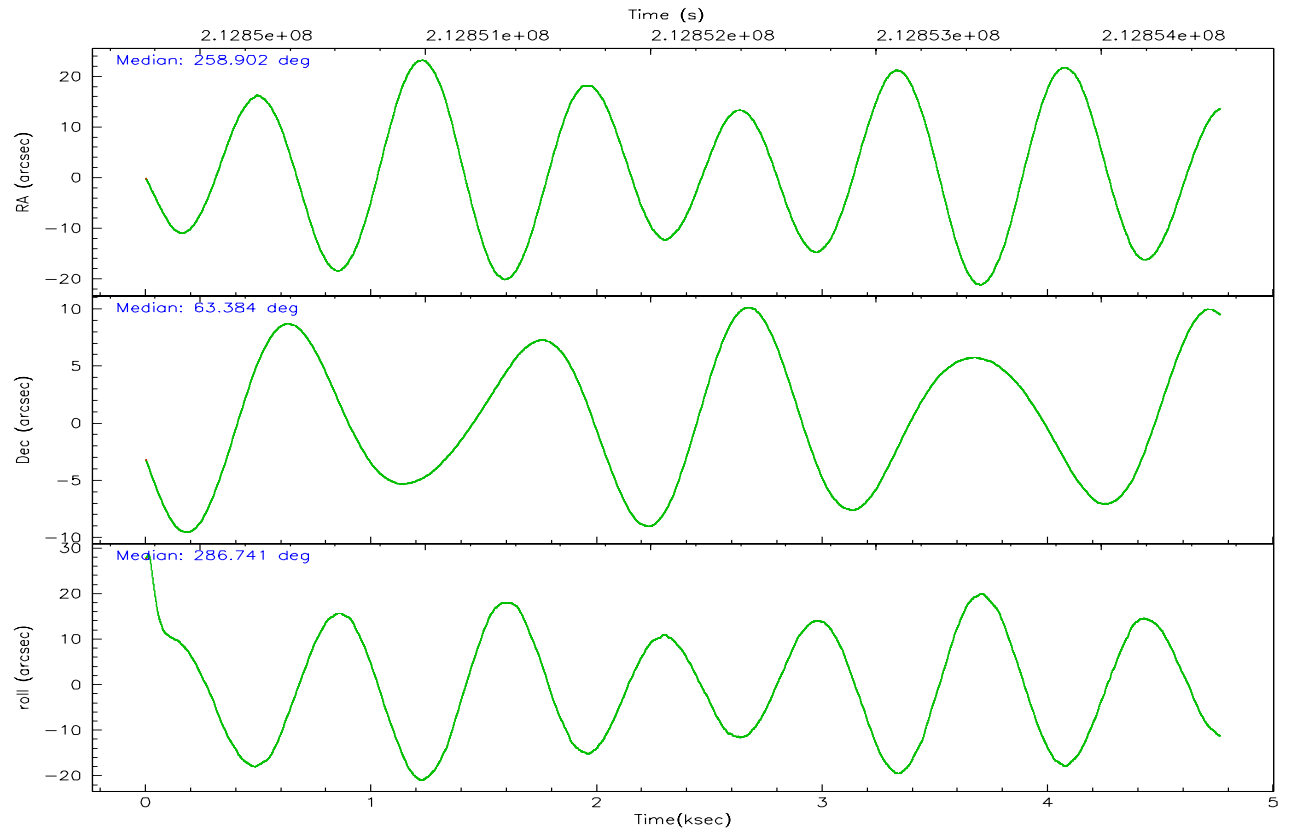
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1665	1671	1620	1521	929	2843
	5%	5%	3%	4%	2%	6%
grade 1 events	28	15	103	12	25	20
	0%	0%	0%	0%	0%	0%
grade 2 events	753	738	6563	754	4248	1969
	2%	2%	13%	2%	9%	4%
grade 3 events	354	389	464	379	826	887
	1%	1%	0%	1%	1%	2%
grade 4 events	345	357	409	389	818	837
	1%	1%	0%	1%	1%	2%
grade 5 events	1286	1478	2329	1586	2878	1910
	3%	4%	4%	4%	6%	4%
grade 6 events	622	649	12490	811	10080	2381
	1%	2%	25%	2%	22%	5%
grade 7 events	27729	26098	25053	27528	24521	30570
	84%	83%	51%	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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	258.857654	258.9024234778756	Alternating exposures requested	N	N
Pointing Dec	63.402110	63.38369590510436	Primary exposure time	0.000000	3.2
Pointing Roll	286.634005	286.7506681258395			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	212850174.184000	212849103.02461			
Observation start date	2004-09-29T13:01:50	2004-09-29T12:45:03			
Observation end time	212854524.184000	212855011.63738			
Observation end date	2004-09-29T14:14:20	2004-09-29T14:23:31			
Read mode	TIMED	TIMED			

## 2.3 Aspect





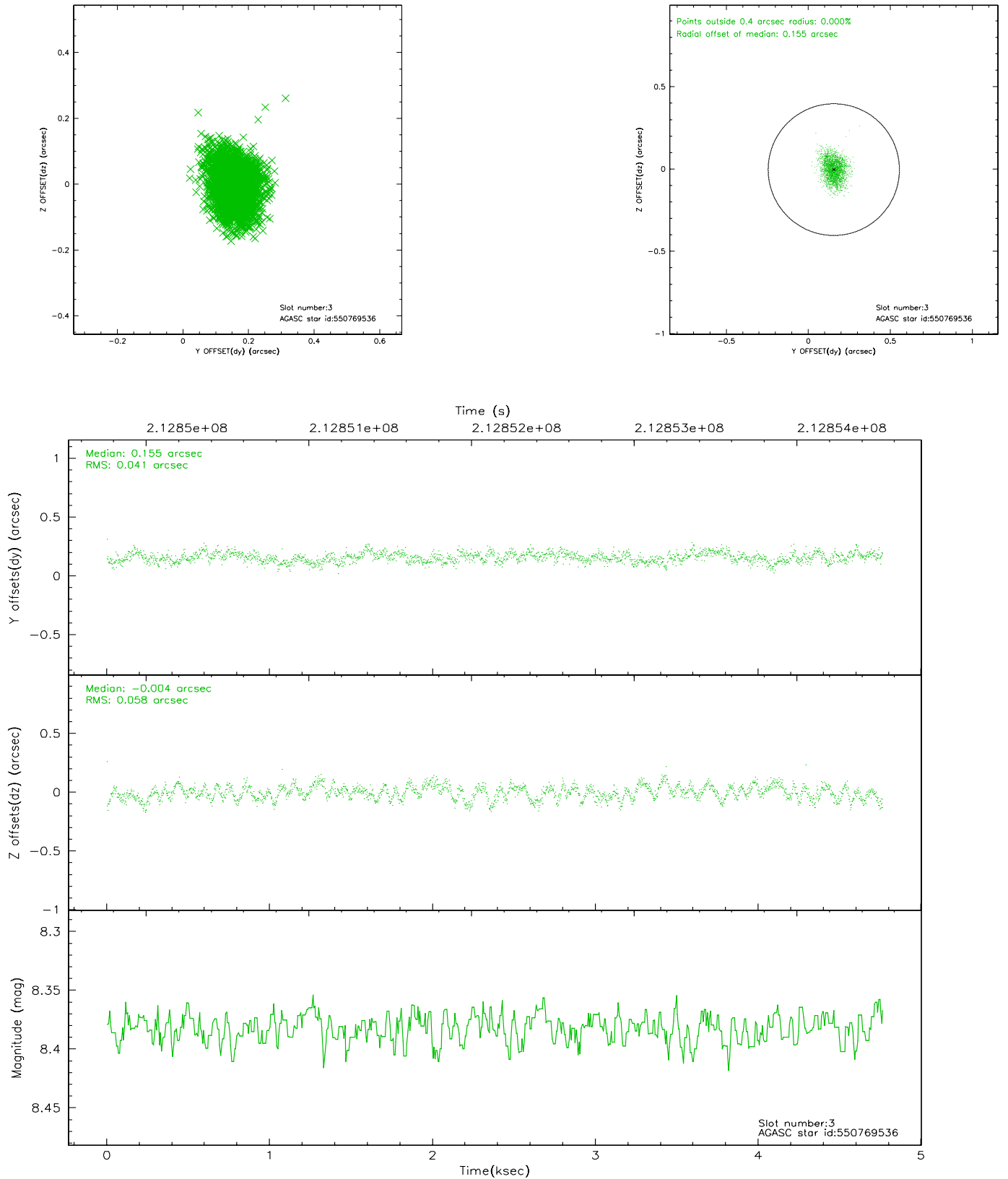
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1162	-0.006	-0.004	0.008	0.013	0.000000	0.000000	936.21	-1726.75
1	FID	ACIS-S-4	7.20	1162	0.040	0.010	0.007	0.011	0.000000	0.000000	2154.37	176.11
2	FID	ACIS-S-5	7.23	1162	-0.061	0.007	0.005	0.010	0.000000	0.000000	-1811.07	171.13
3	GUIDE	550769536	8.38	2324	0.155	-0.004	0.075	0.120	257.982354	63.126720	533.37	-1644.89
4	GUIDE	550769792	8.08	2323	-0.503	0.192	0.056	0.089	258.096675	63.352089	-186.20	-1226.51
5	GUIDE	550769896	8.63	2324	0.183	-0.029	0.064	0.105	257.787710	63.467361	-730.97	-1577.14
6	GUIDE	551288960	7.61	2323	0.069	-0.064	0.060	0.101	259.407558	64.033161	-1932.90	1481.62
7	GUIDE	551298432	8.47	2321	0.098	-0.095	0.062	0.096	259.325450	64.084337	-2146.07	1410.03

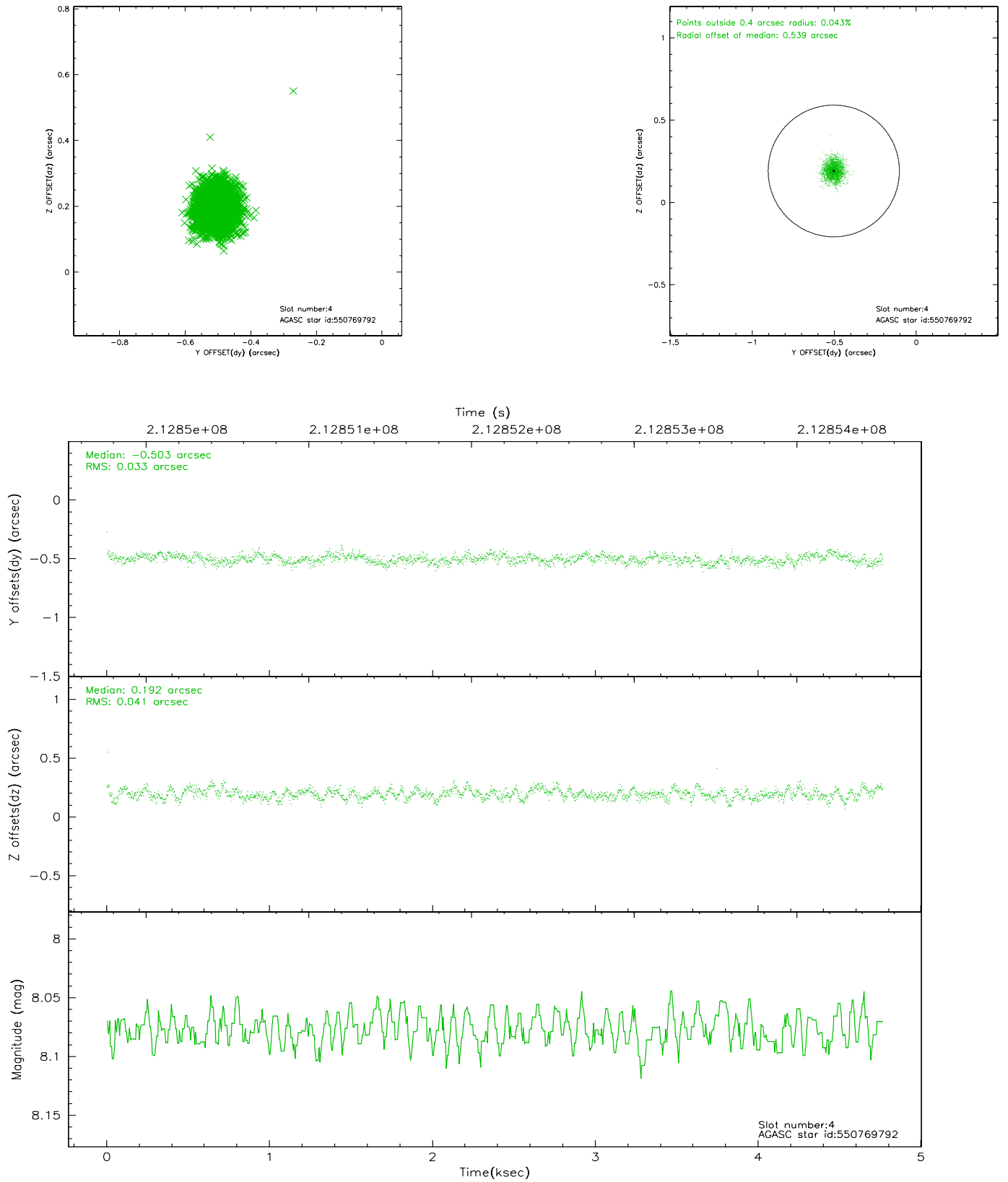


## 2.4 Star Slots

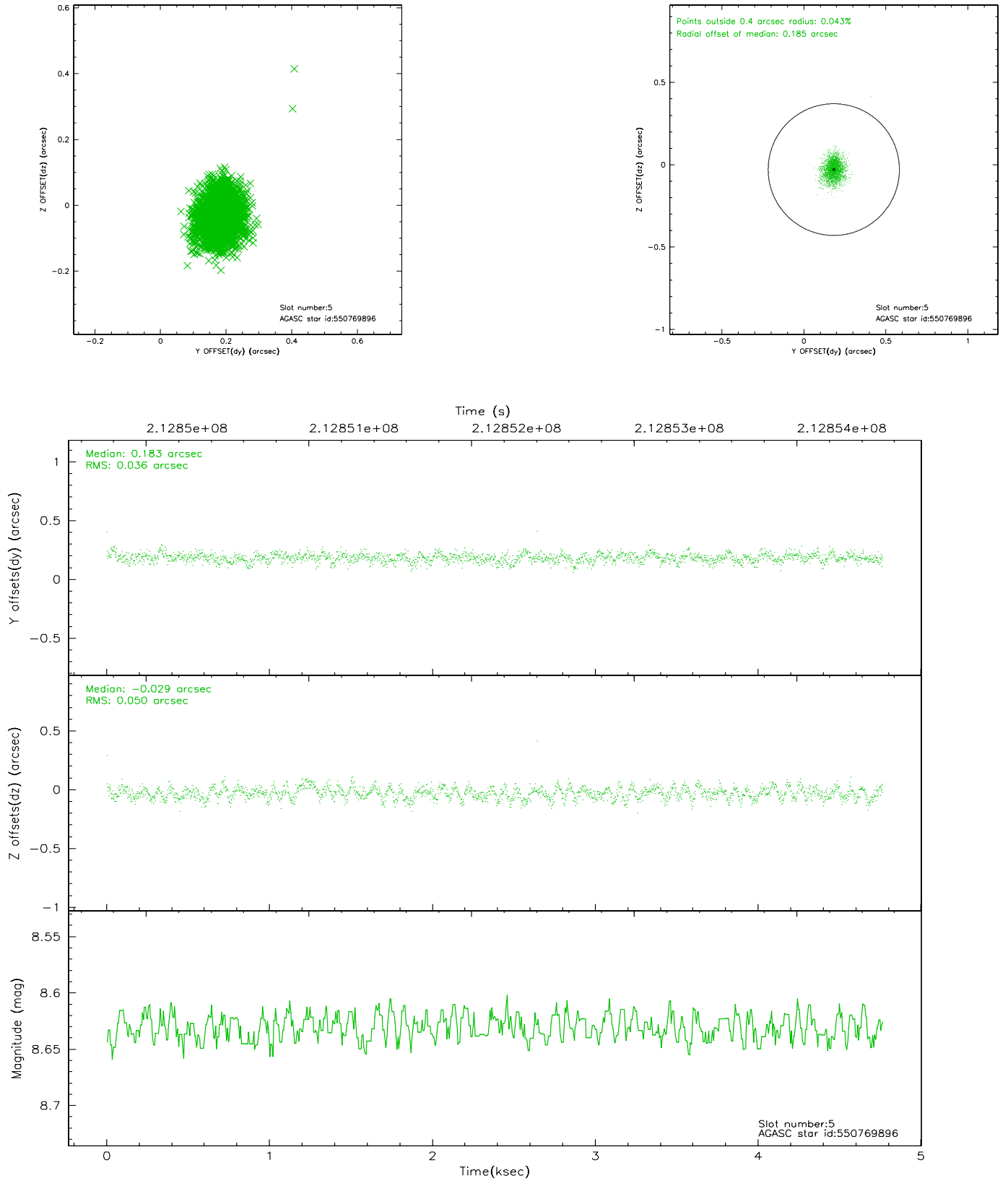
### 2.4.1 Slot 3



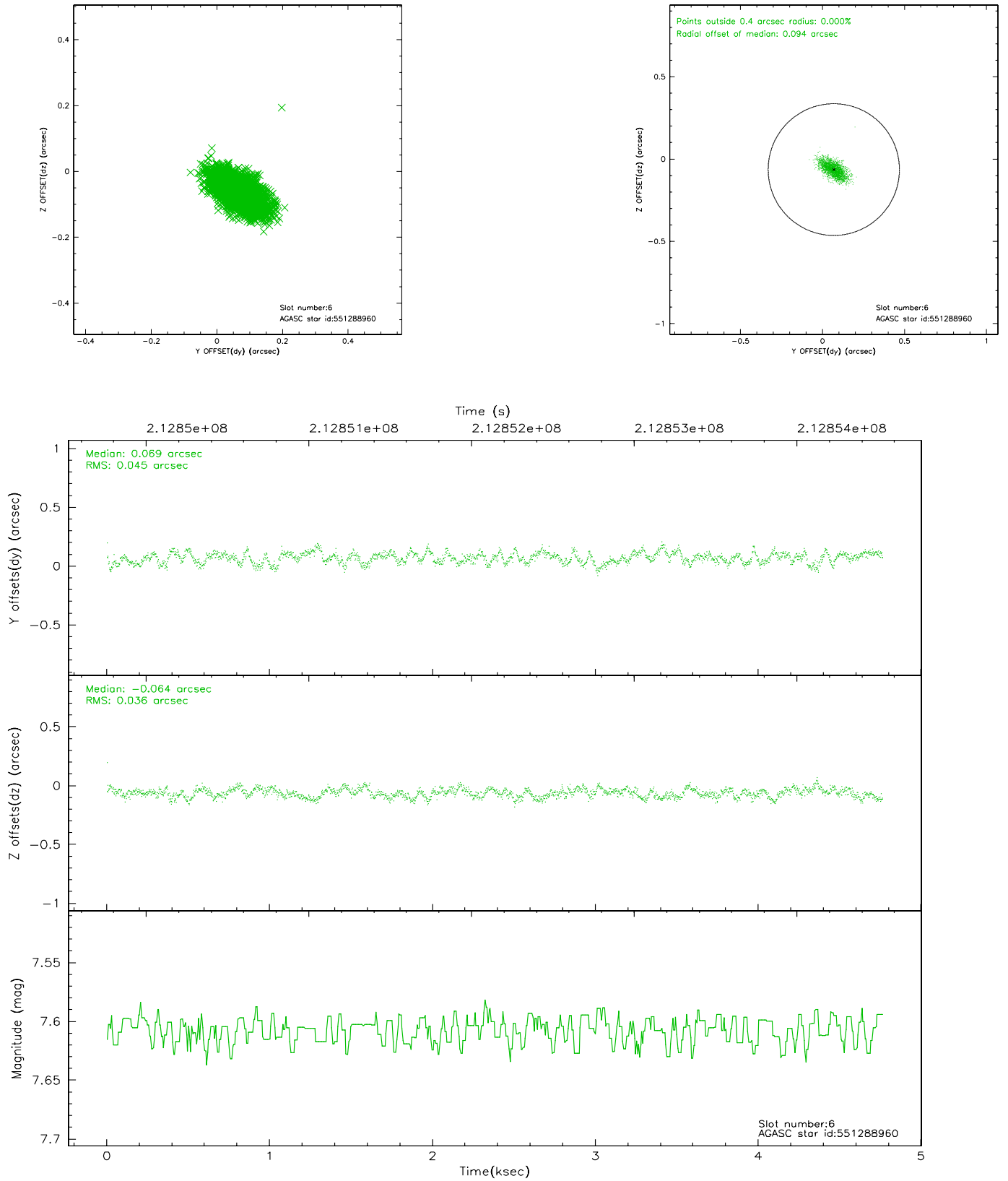
## 2.4.2 Slot 4



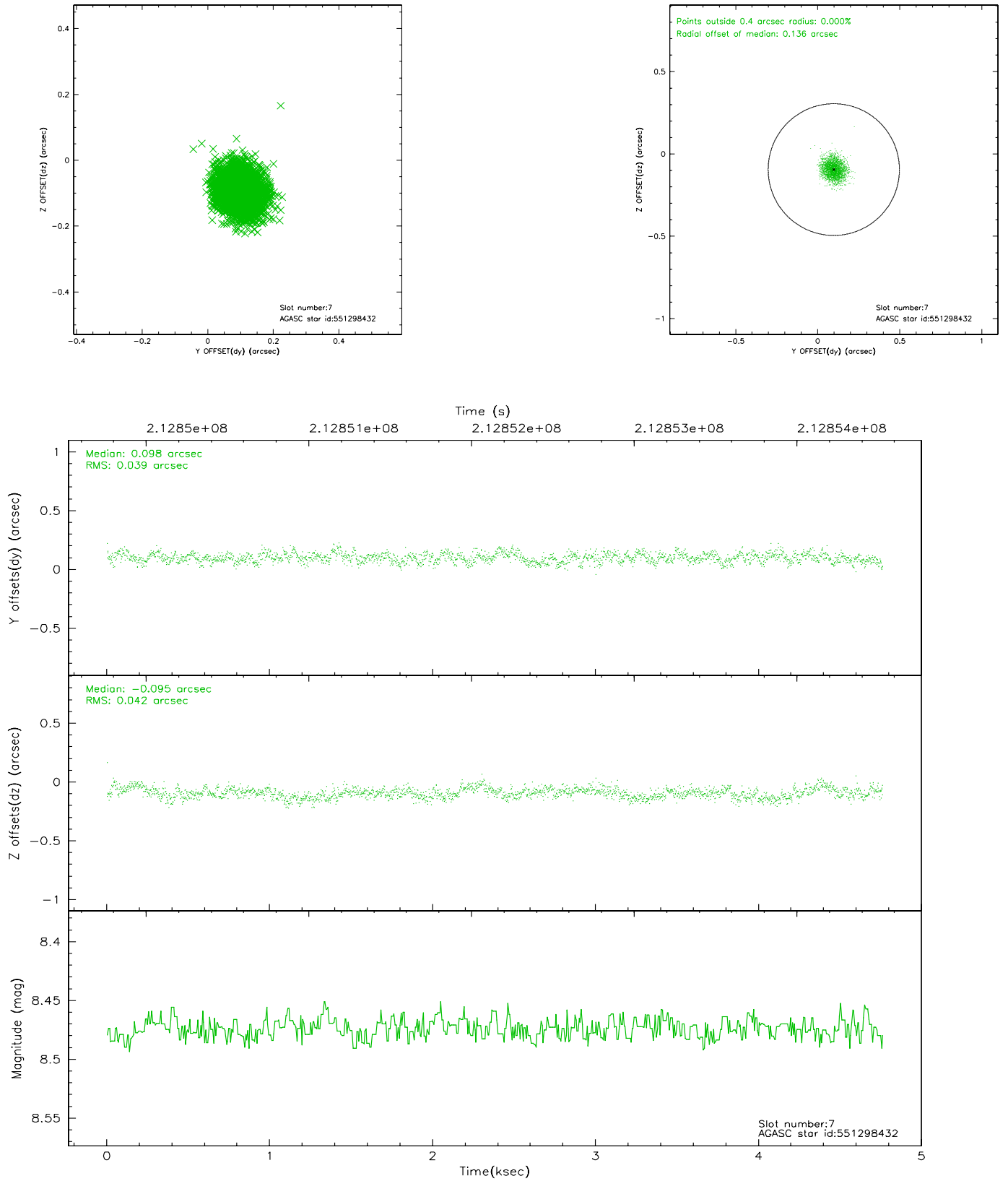
### 2.4.3 Slot 5



## 2.4.4 Slot 6

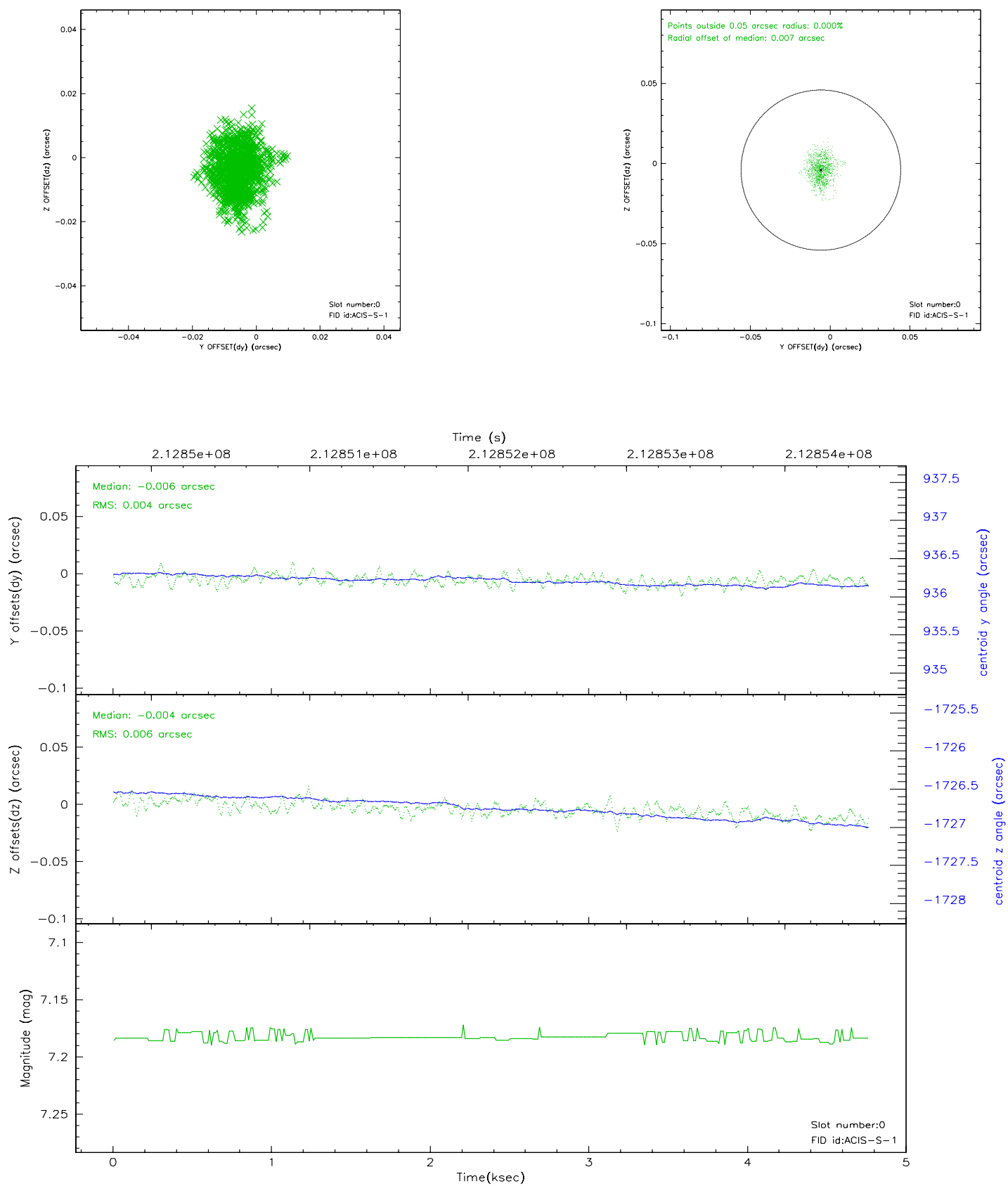


## 2.4.5 Slot 7

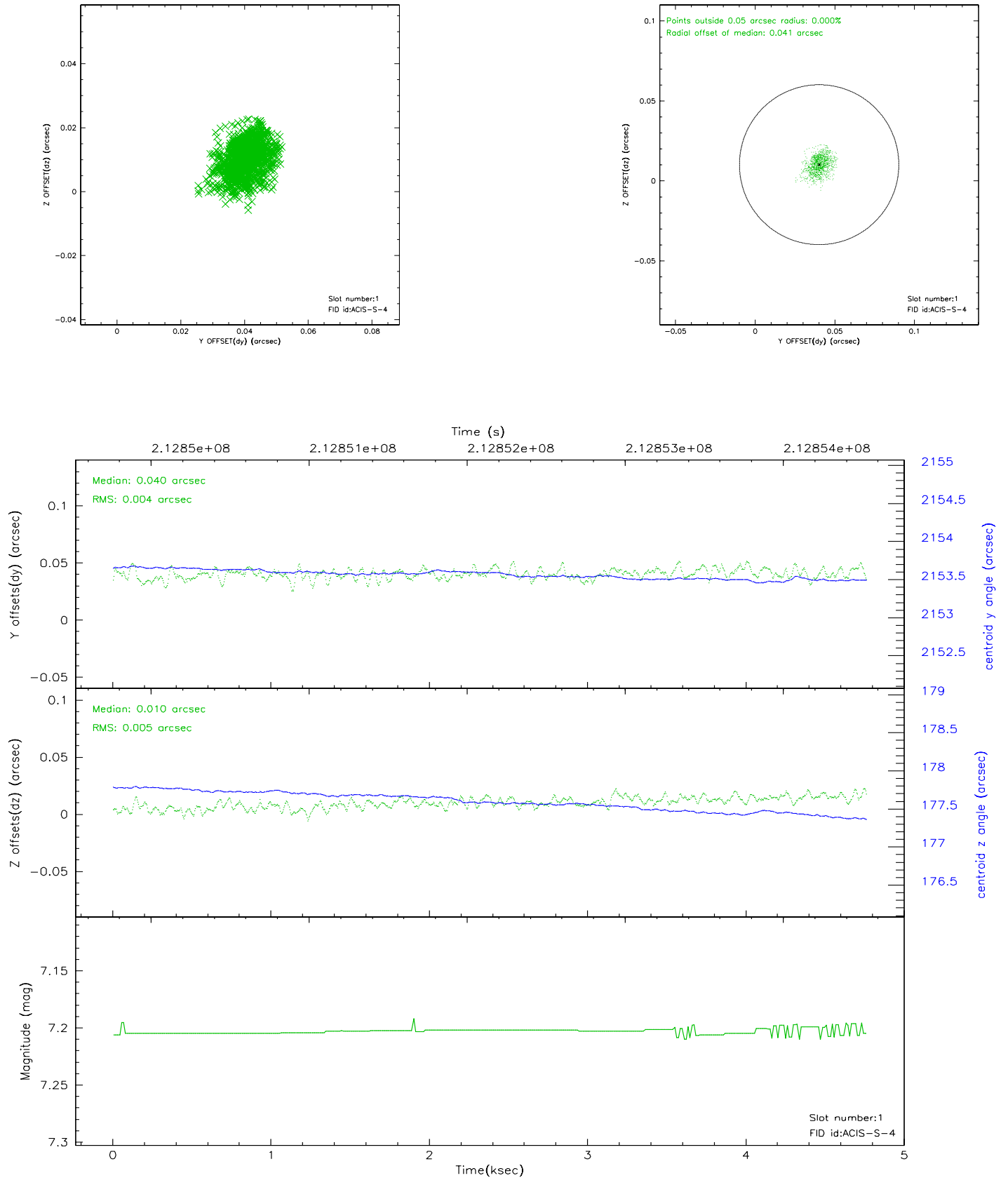


## 2.5 FID Slots

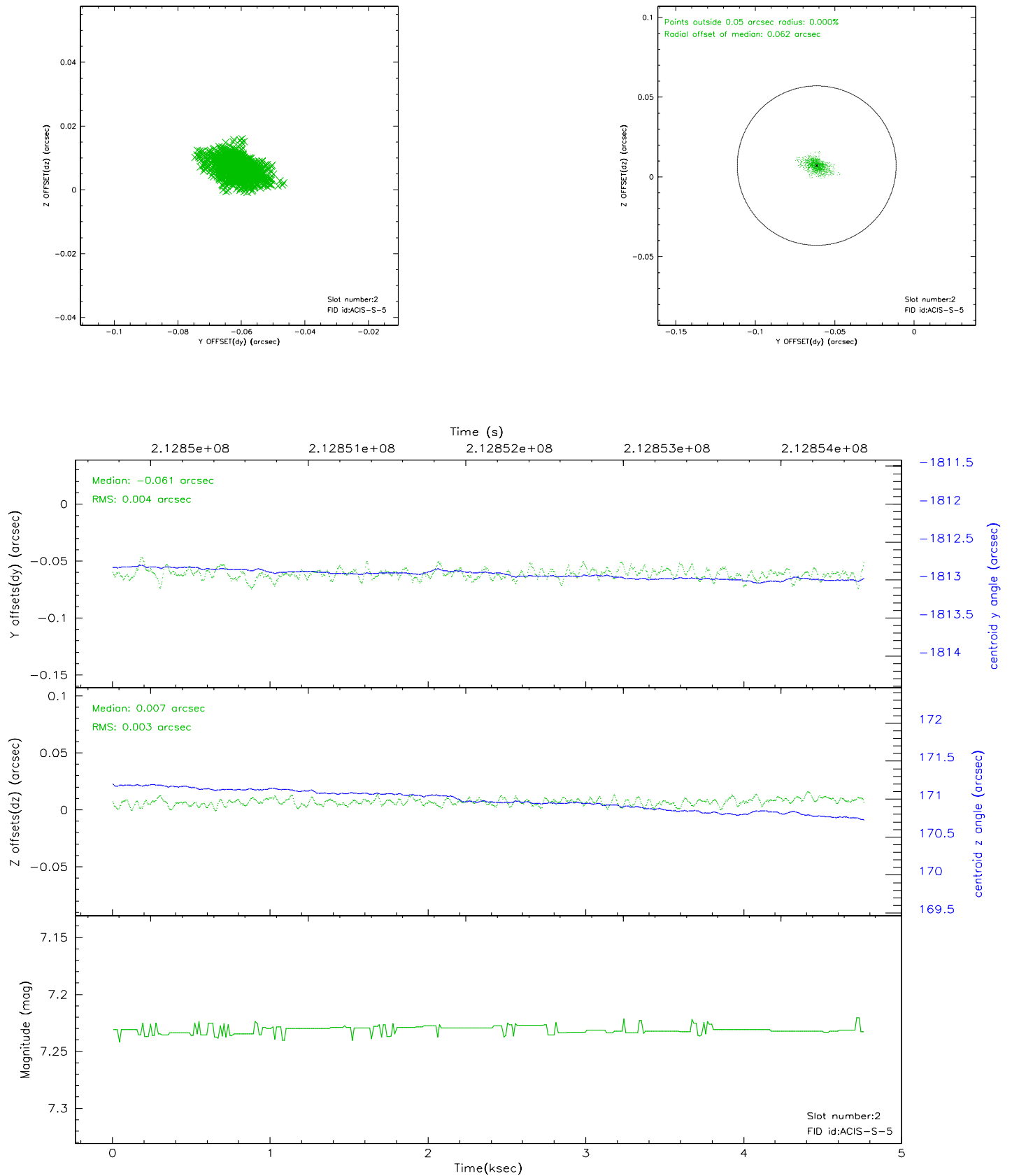
### 2.5.1 Slot 0



## 2.5.2 Slot 1

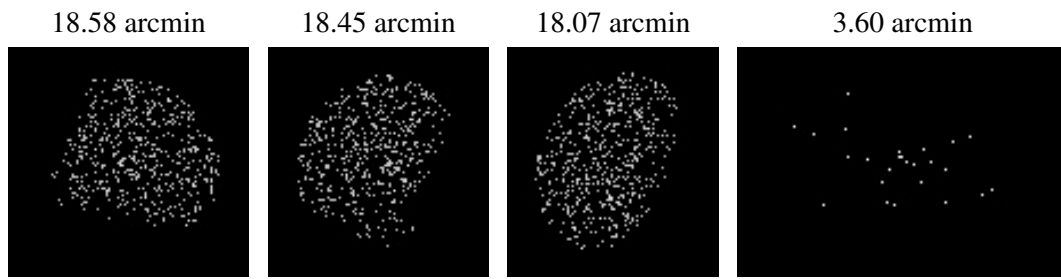


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.307

### A.2 Comments