

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3558 - L2 Version 001  
Chandra X-Ray Center

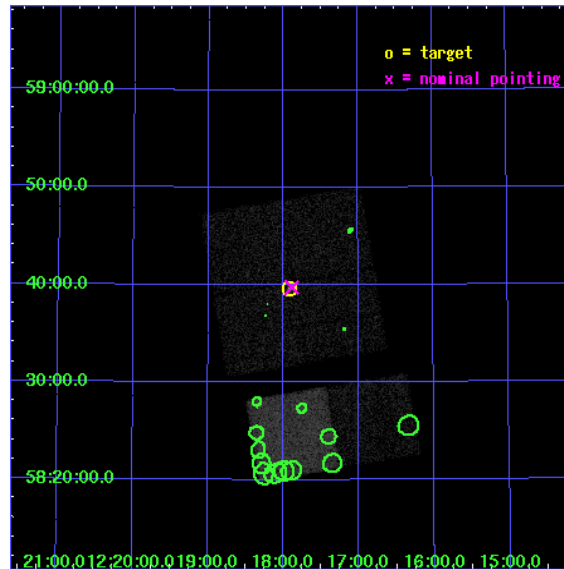
L2 Processing Date : Jul 24 2006

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# 1 Front

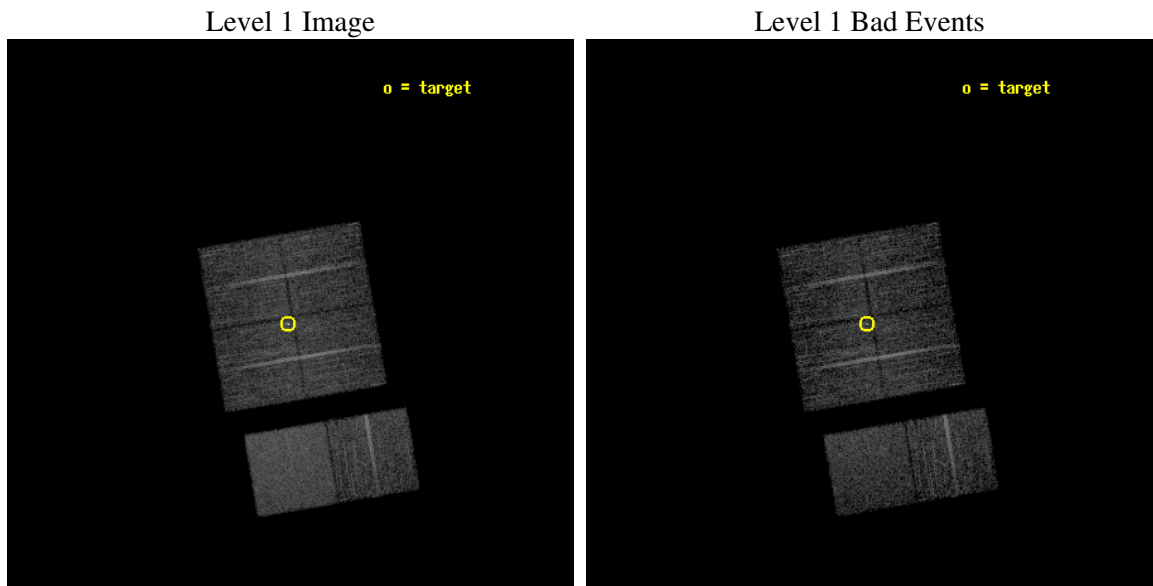
seq_num	700620
obs_id	3558
title	PRECISE DETERMINATION OF THE BRIGHT END OF THE LOCAL GALAXY X-RAY LUMINOSITY FUNCTION
observer	Dr. Peter Predehl
object	MRK 202
dtcycle	0
cycle	P
ra_targ	184.479167
dec_targ	58.66
ra_nom	184.47153960019
dec_nom	58.662447647429
roll_nom	170.34494745383
revision	2
ontime	6319.9999764562
livetime	6239.9723313072
ontime0	6319.9999764562
ontime1	6319.9999764562
ontime2	6319.9999764562
ontime3	6319.9999764562
ontime6	6319.9999764562
ontime7	6319.9999764562
l2events	42901



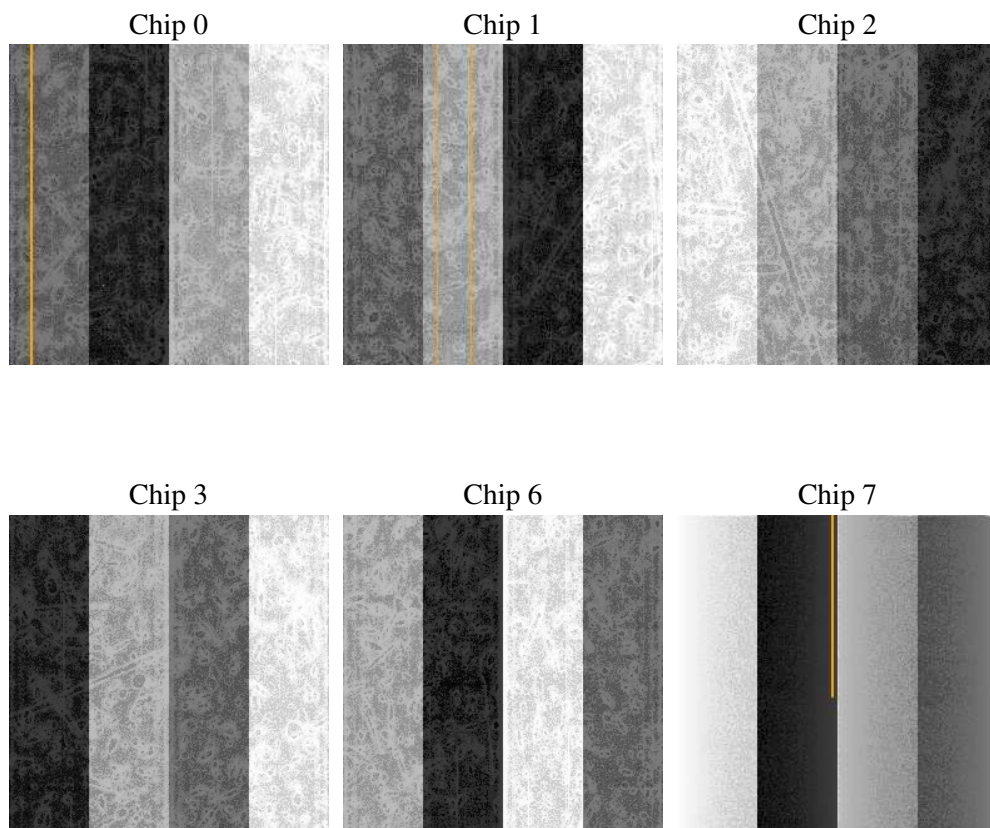
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-24T17:44:47
revision	2

sched_exp_time	6358.000000
ontime	6326.4463267326
ontime0	6326.4463267326
ontime1	6326.4463267326
ontime2	6326.4463267326
ontime3	6326.4463267326
ontime6	6326.4463267326
ontime7	6326.4463267326
l1events	250692

### 2.1.4 Events

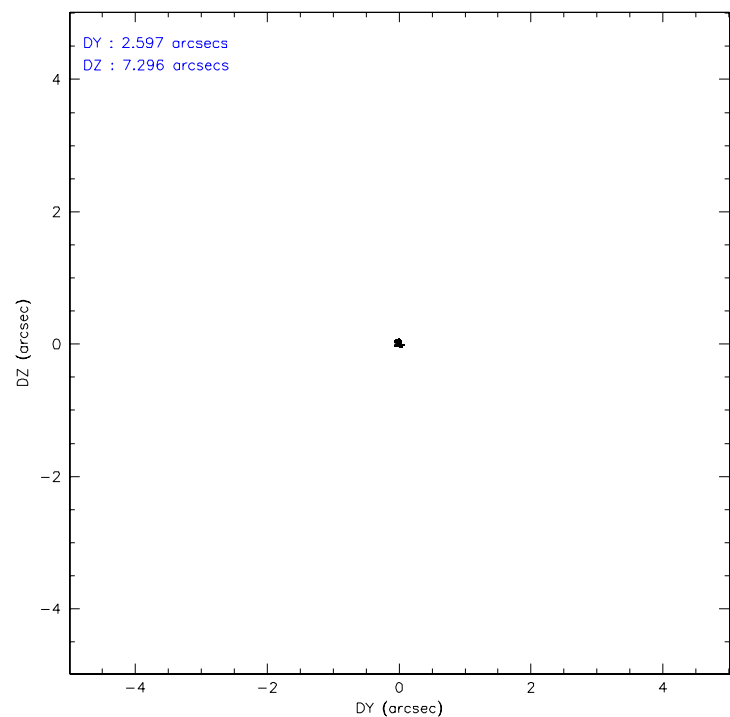
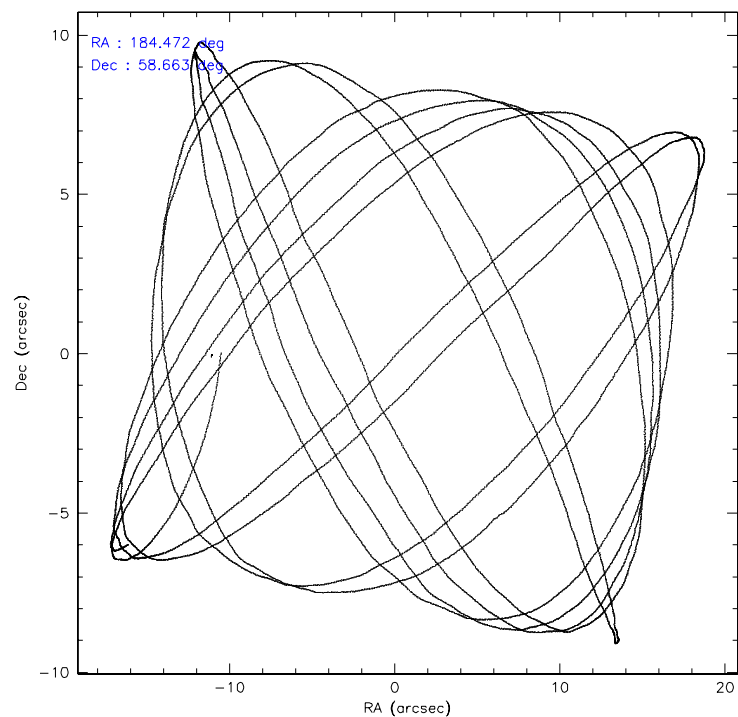
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	36309	37786	39312	42087	40327	54871
rejected events	31407	32758	34672	35765	35588	33769
rejected %	86%	86%	88%	84%	88%	61%

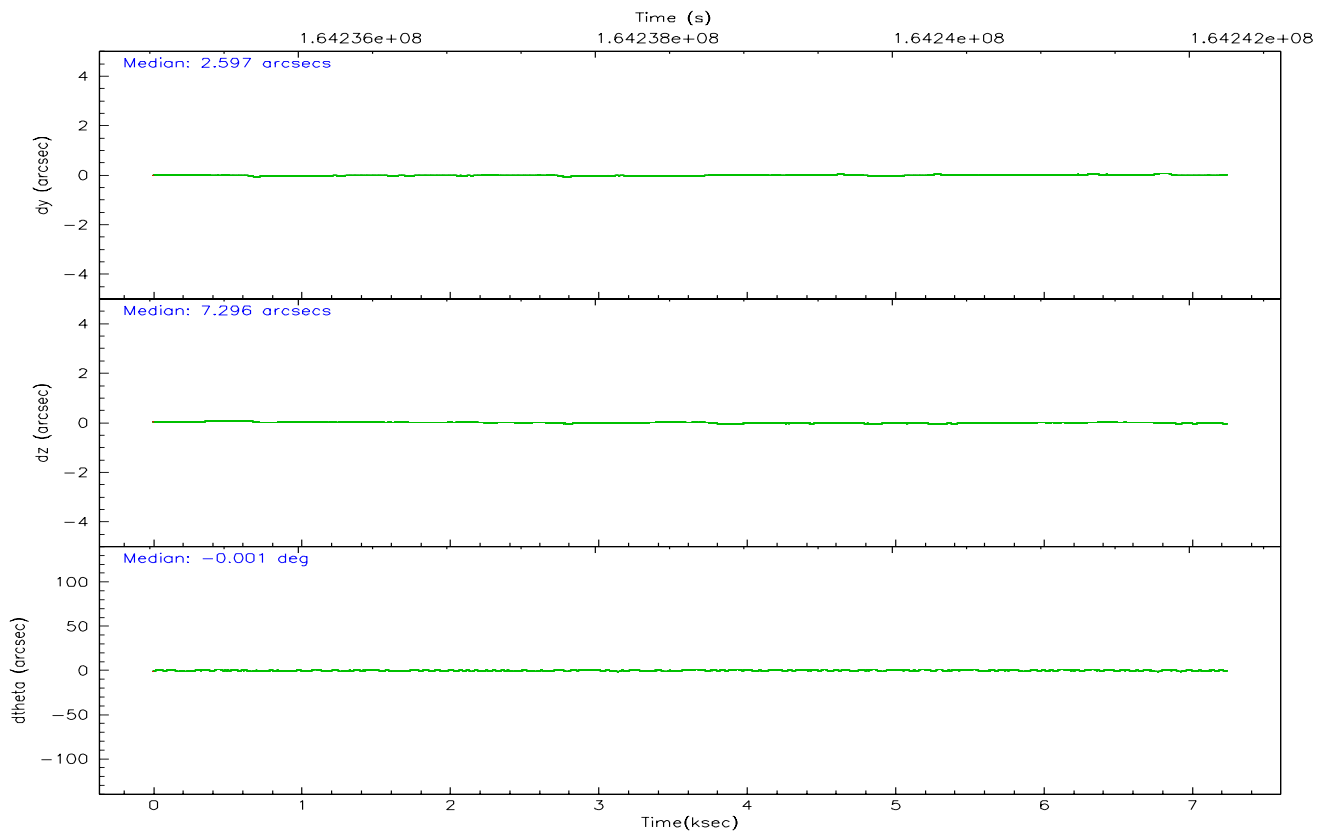
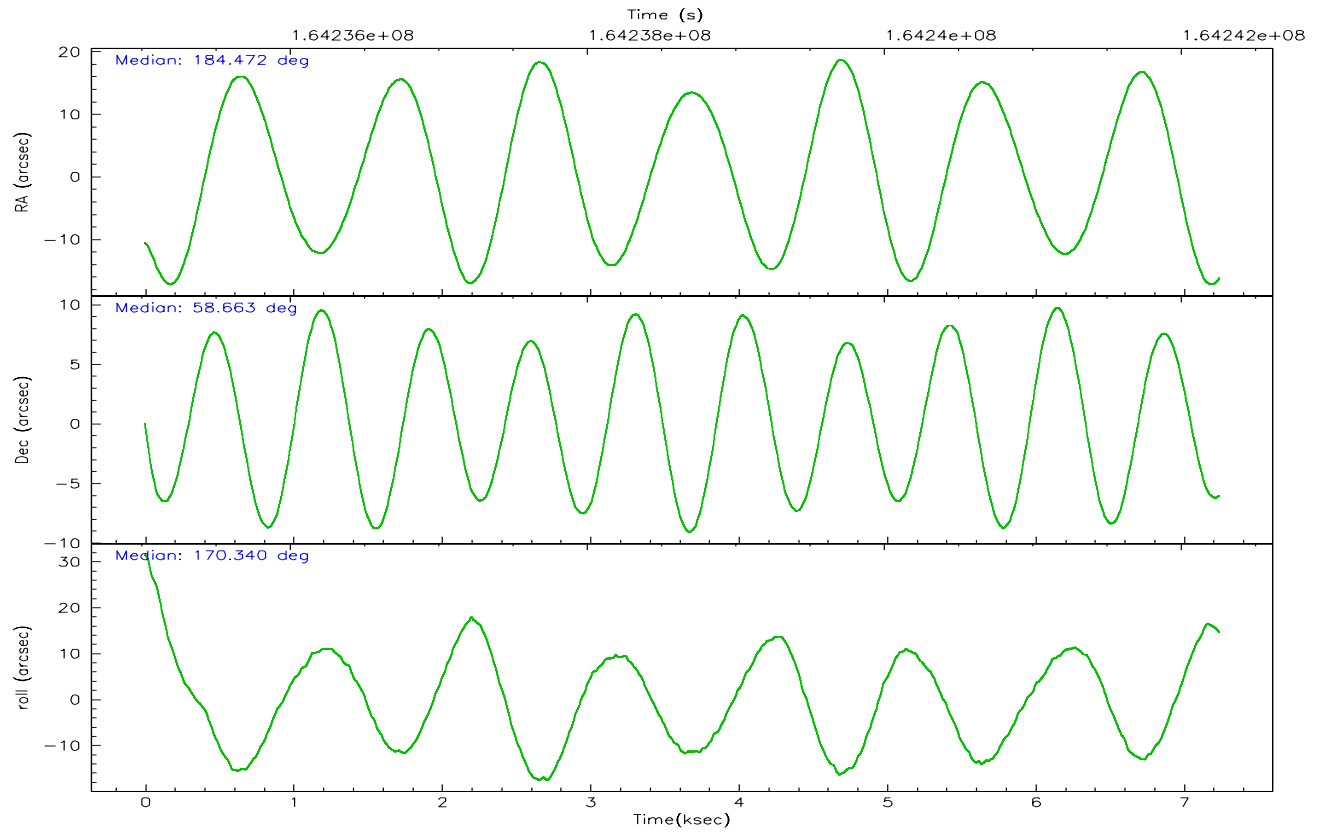
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2126	2006	2074	3119	1882	1324
	5%	5%	5%	7%	4%	2%
grade 1 events	14	22	20	215	23	28
	0%	0%	0%	0%	0%	0%
grade 2 events	995	1077	873	1157	980	5111
	2%	2%	2%	2%	2%	9%
grade 3 events	482	511	451	581	457	1113
	1%	1%	1%	1%	1%	2%
grade 4 events	454	526	450	581	466	1068
	1%	1%	1%	1%	1%	1%
grade 5 events	1564	1596	1505	1852	1818	3656
	4%	4%	3%	4%	4%	6%
grade 6 events	850	916	794	891	959	12514
	2%	2%	2%	2%	2%	22%
grade 7 events	29824	31132	33145	33691	33742	30057
	82%	82%	84%	80%	83%	54%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	184.520977	184.4715396001922	Alternating exposures requested	N	N
Pointing Dec	58.672114	58.66244764742899	Primary exposure time	0.000000	3.2
Pointing Roll	170.094018	170.3449474538289			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	164235900.184000	164234593.72622			
Observation start date	2003-03-16T21:03:56	2003-03-16T20:43:13			
Observation end time	164242258.184000	164242650.22656			
Observation end date	2003-03-16T22:49:54	2003-03-16T22:57:30			
Read mode	TIMED	TIMED			

2.3 Aspect





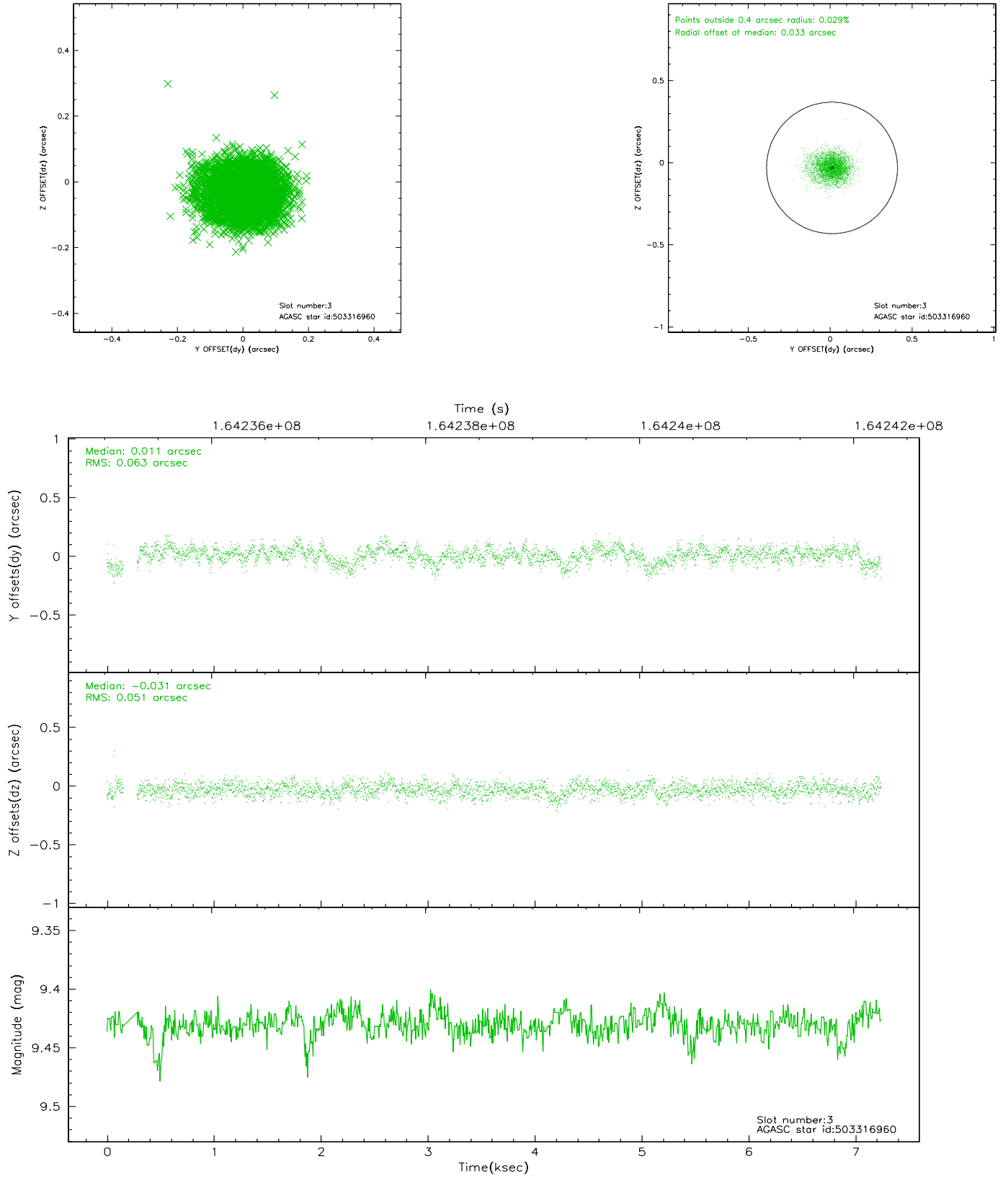
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1765	-0.005	0.037	0.007	0.010	0.000000	0.000000	937.19	-830.68
1	FID	ACIS-I-5	7.24	1766	-0.055	0.049	0.006	0.010	0.000000	0.000000	-1810.49	1066.47
2	FID	ACIS-I-6	7.26	1766	-0.031	-0.016	0.007	0.011	0.000000	0.000000	401.90	1711.77
3	GUIDE	503316960	9.43	3466	0.011	-0.031	0.086	0.143	185.586011	58.940862	-1779.23	-1308.79
4	GUIDE	503319664	8.84	3532	-0.054	0.040	0.075	0.121	184.221790	58.423854	401.26	976.01
5	GUIDE	503322128	9.09	3531	-0.001	0.021	0.083	0.134	184.366563	59.251936	639.65	-2007.07
6	GUIDE	503322336	9.70	3529	-0.019	-0.044	0.103	0.163	185.374272	59.122757	-1271.67	-1879.80
7	GUIDE	503324728	9.61	3528	0.068	0.010	0.112	0.187	185.552208	58.082934	-2296.34	1736.44

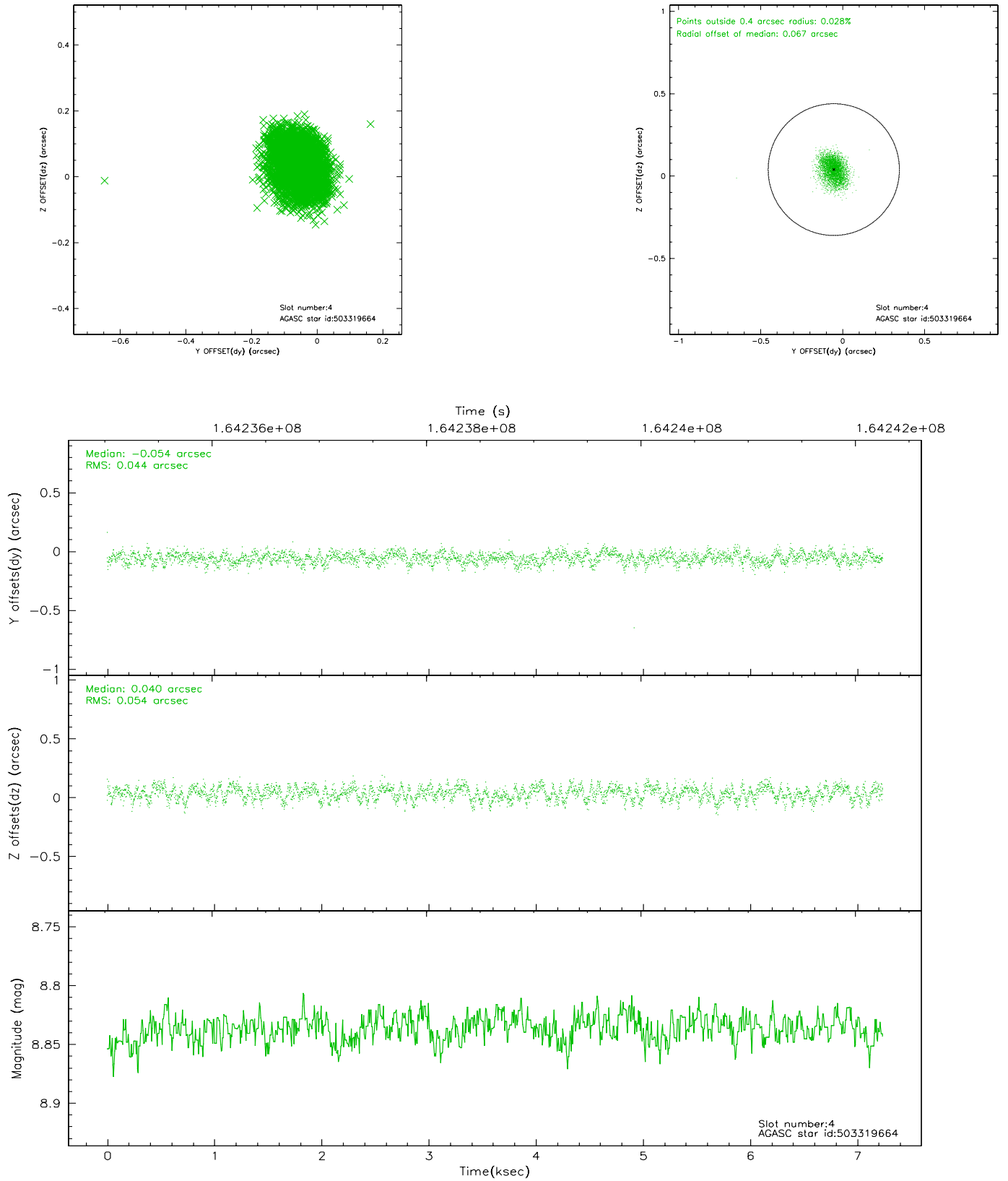


## 2.4 Star Slots

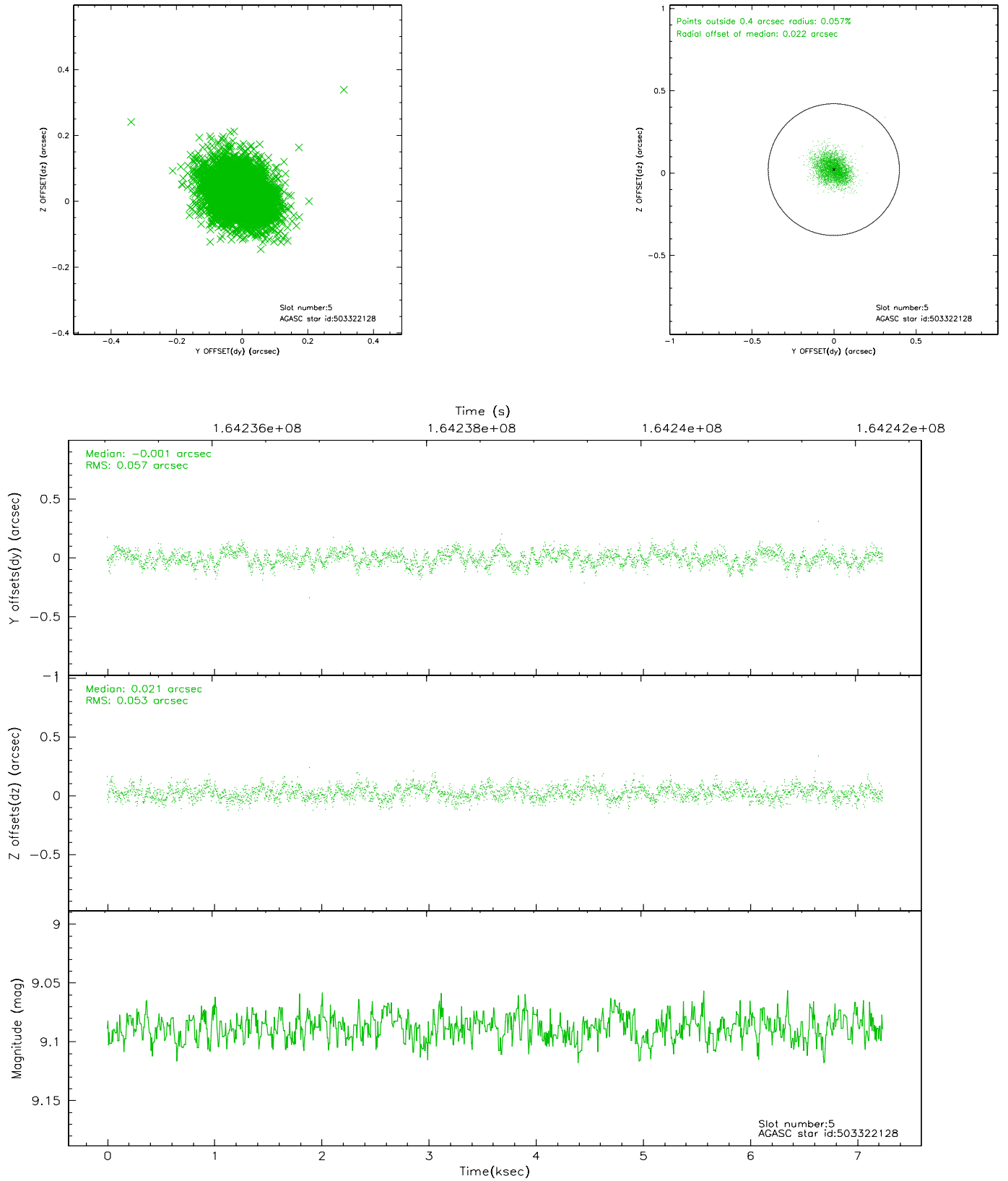
### 2.4.1 Slot 3



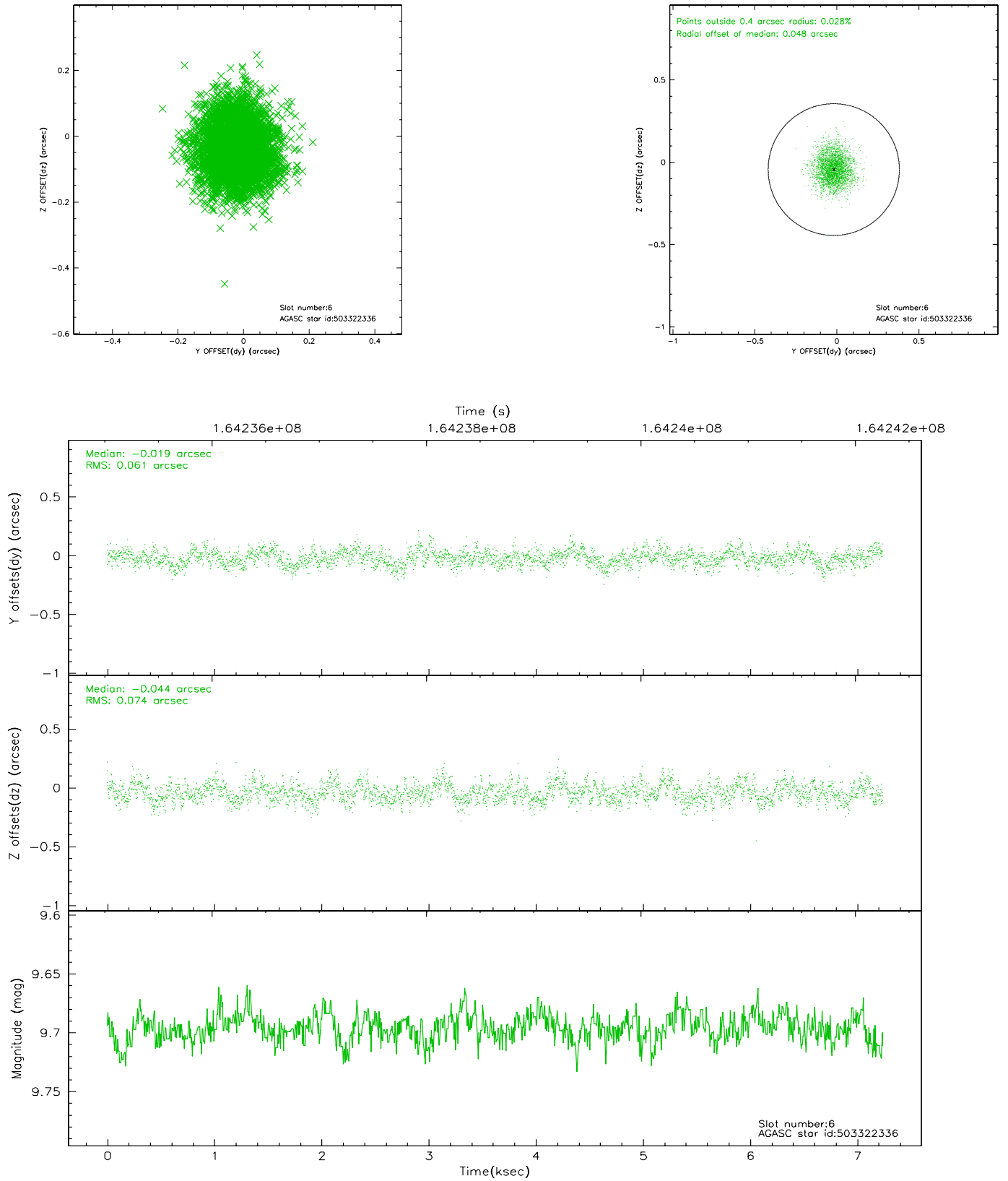
## 2.4.2 Slot 4



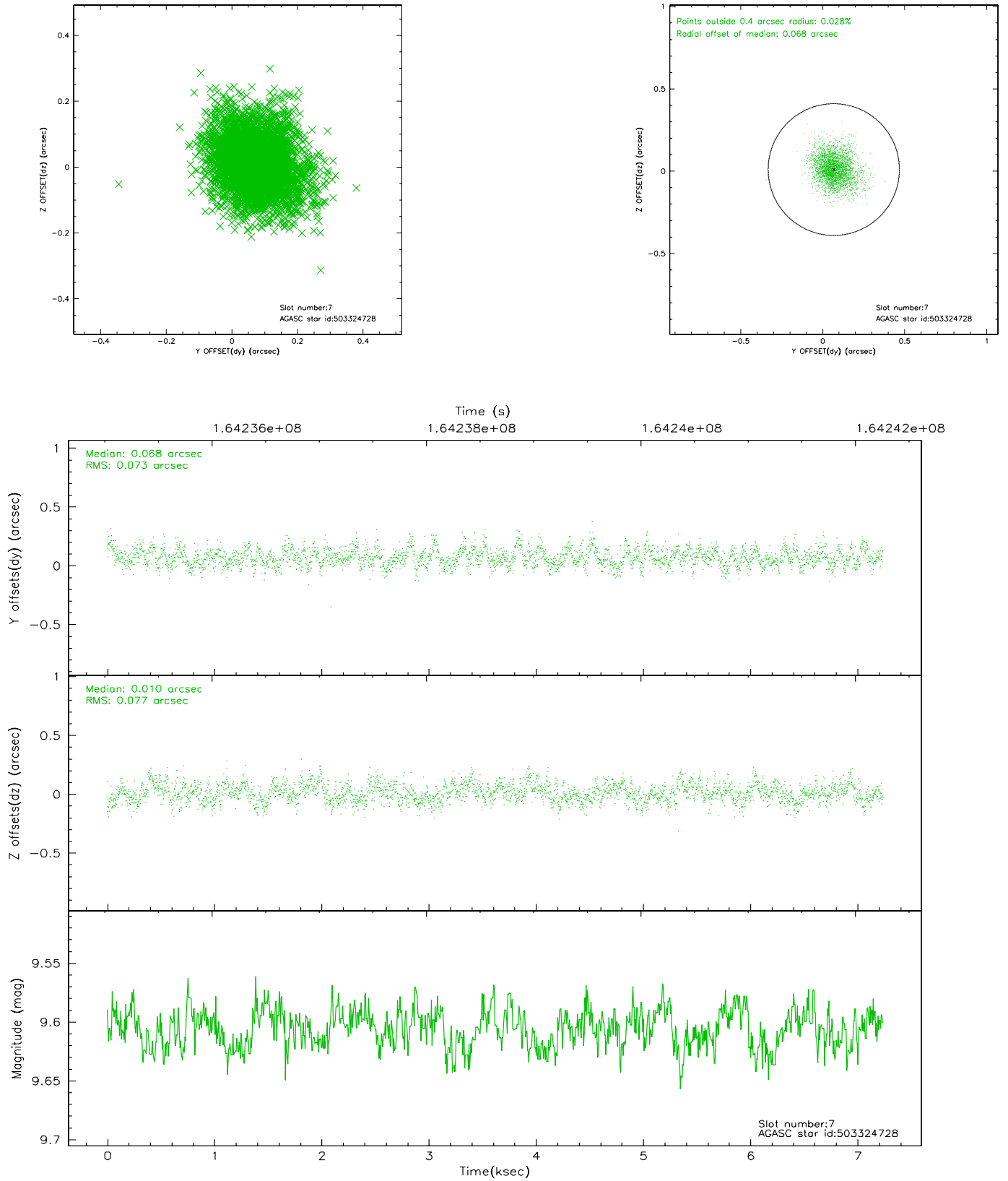
### 2.4.3 Slot 5



## 2.4.4 Slot 6

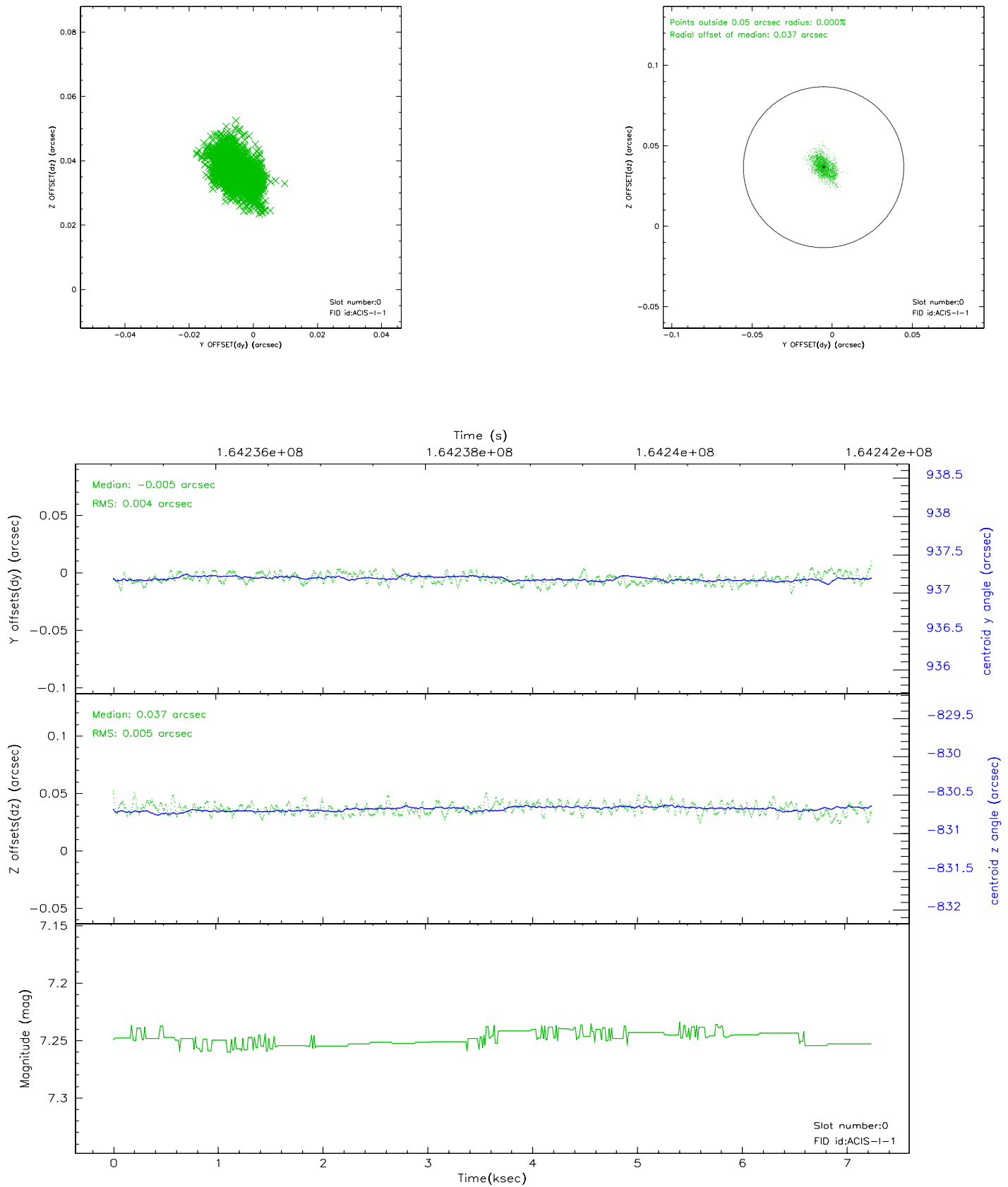


## 2.4.5 Slot 7

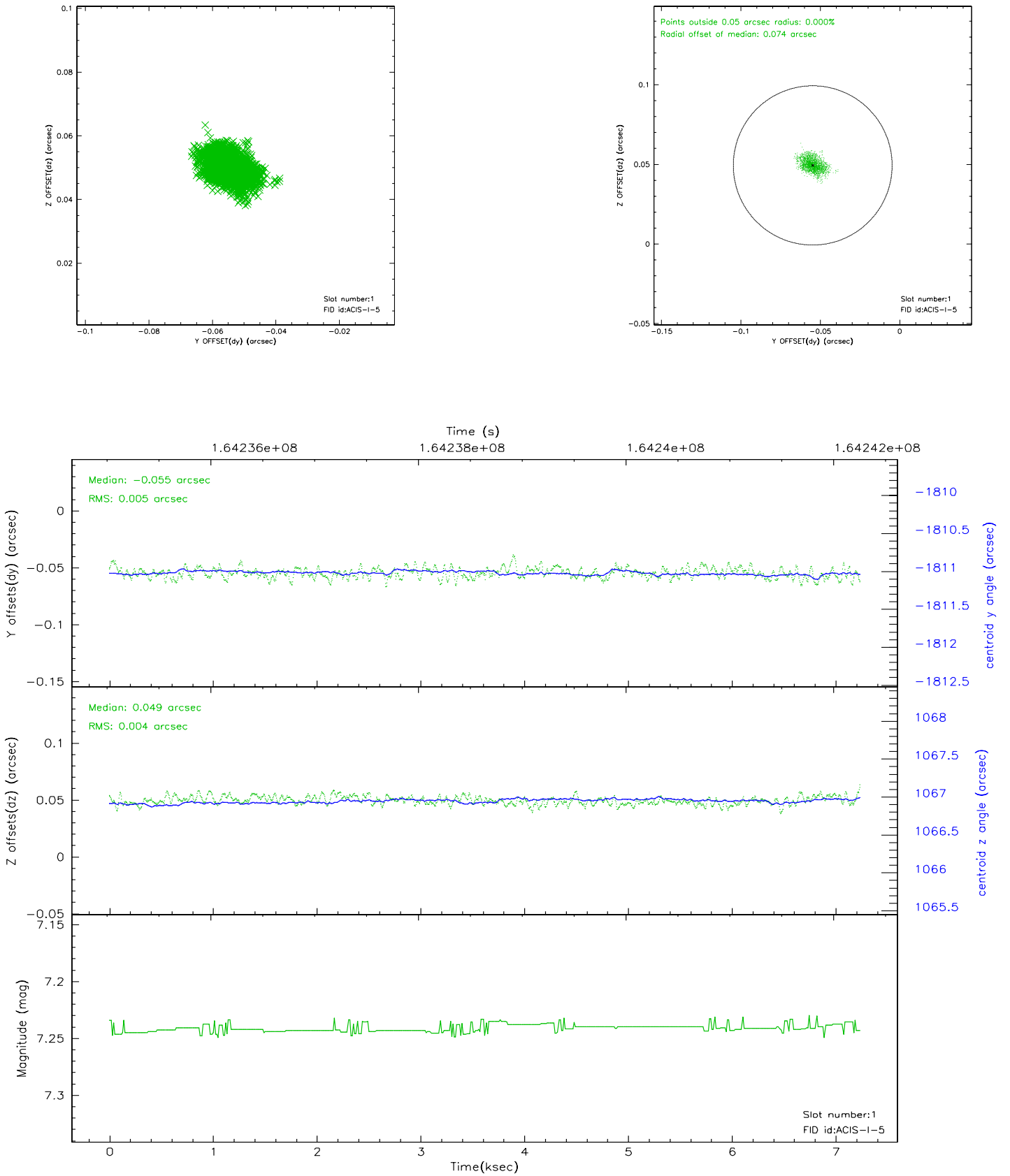


## 2.5 FID Slots

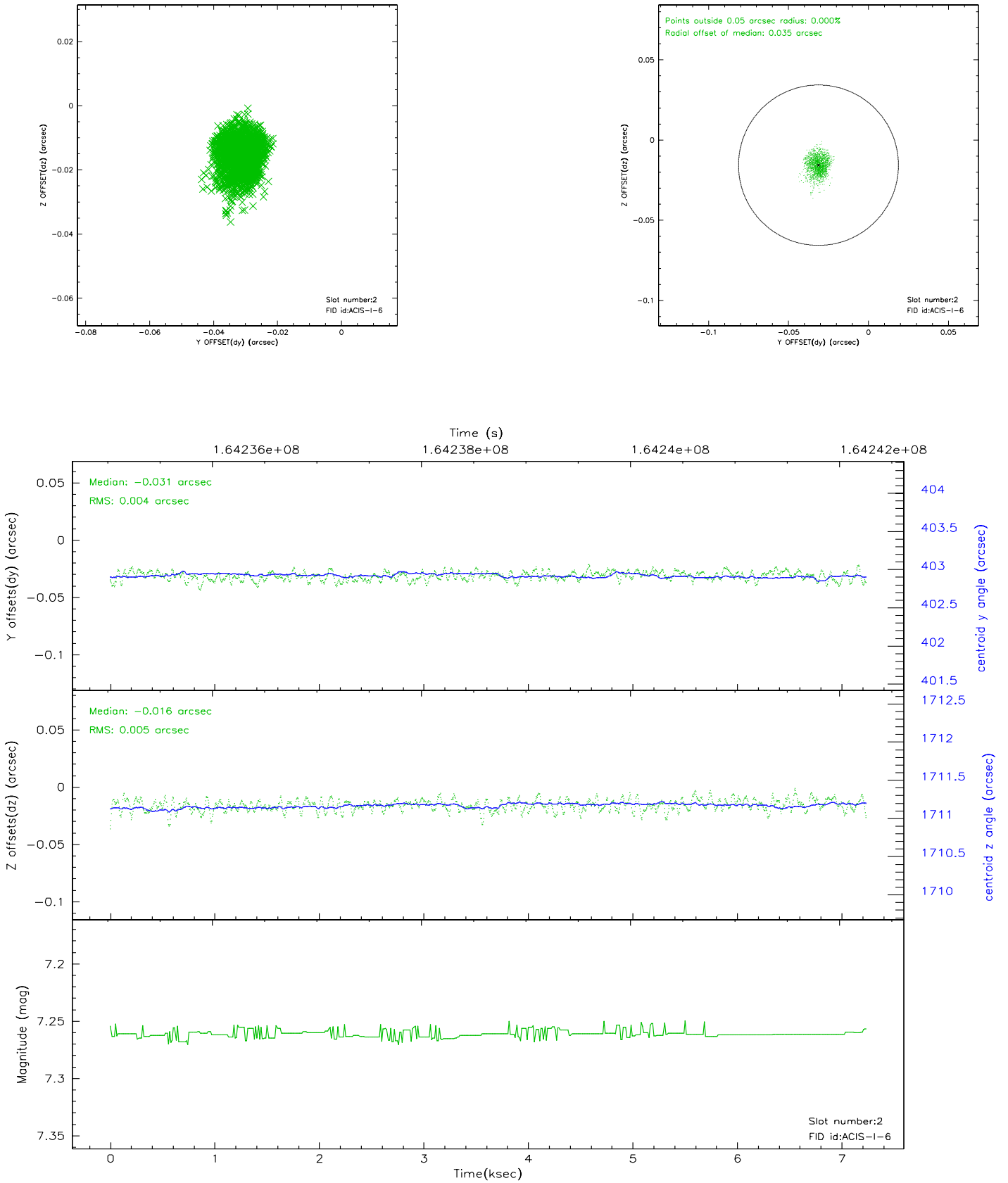
### 2.5.1 Slot 0



## 2.5.2 Slot 1

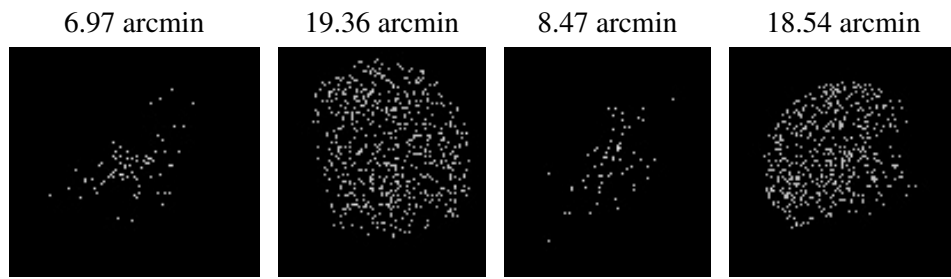


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.323

### A.2 Comments