

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4102 - L2 Version 001  
Chandra X-Ray Center

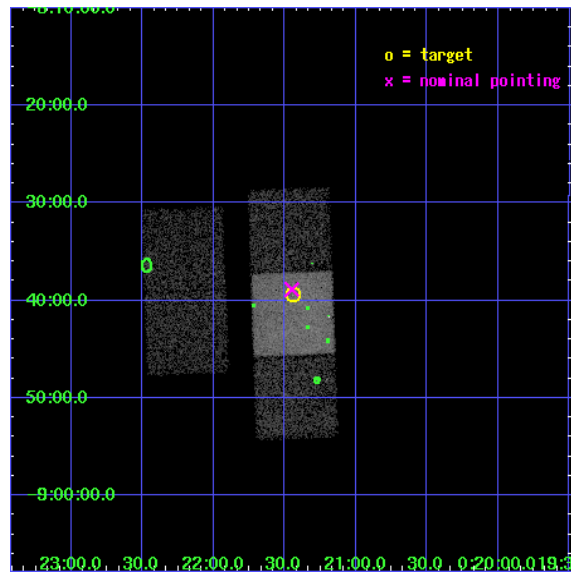
L2 Processing Date : Jul 5 2006

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# 1 Front

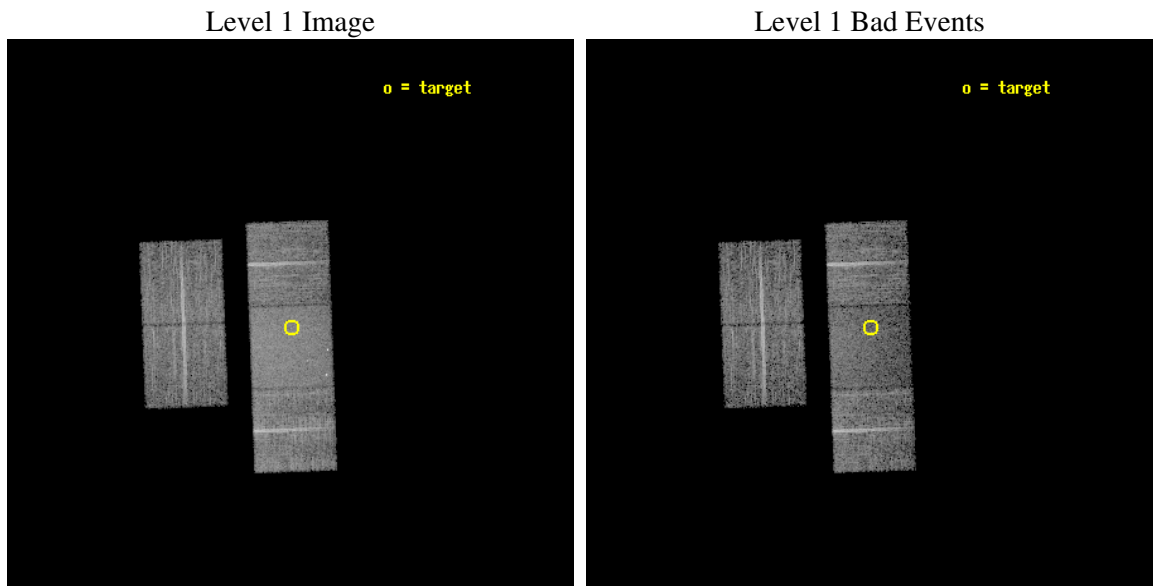
seq_num	700781
obs_id	4102
title	THE X-RAY PROPERTIES OF ULTRALUMINOUS INFRARED GALAXIES (ULIGS)
observer	Prof. Andrew Wilson
object	F00188-0856
dtcycle	0
cycle	P
ra_targ	5.360417
dec_targ	-8.657528
ra_nom	5.36249032544
dec_nom	-8.6481182808945
roll_nom	87.930993377518
revision	2
ontime	10105.999980569
livetime	9973.9576508938
ontime2	10102.859000355
ontime3	10105.999980569
ontime6	10105.999980569
ontime7	10105.999980569
ontime8	10102.859000355
l2events	52753



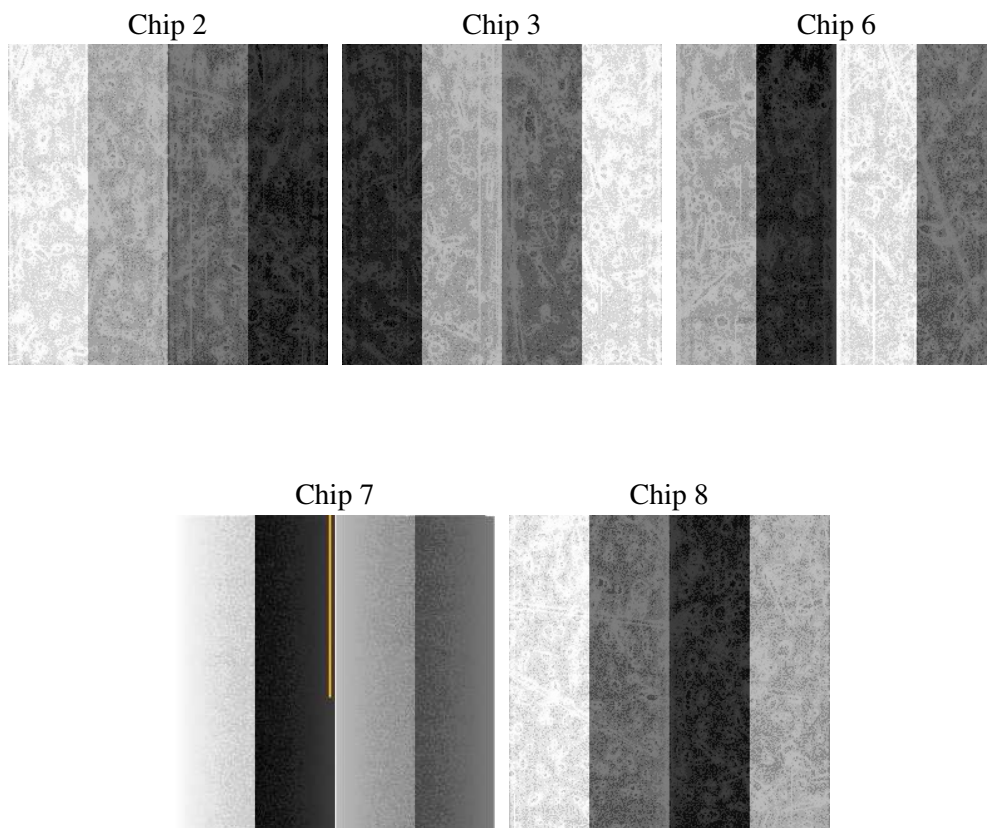
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-06T01:04:35
revision	2

sched_exp_time	10000.000000
ontime	10110.912043273
ontime2	10107.771043181
ontime3	10110.912023395
ontime6	10110.912043273
ontime7	10110.912043273
ontime8	10107.77106306
l1events	289985

### 2.1.4 Events

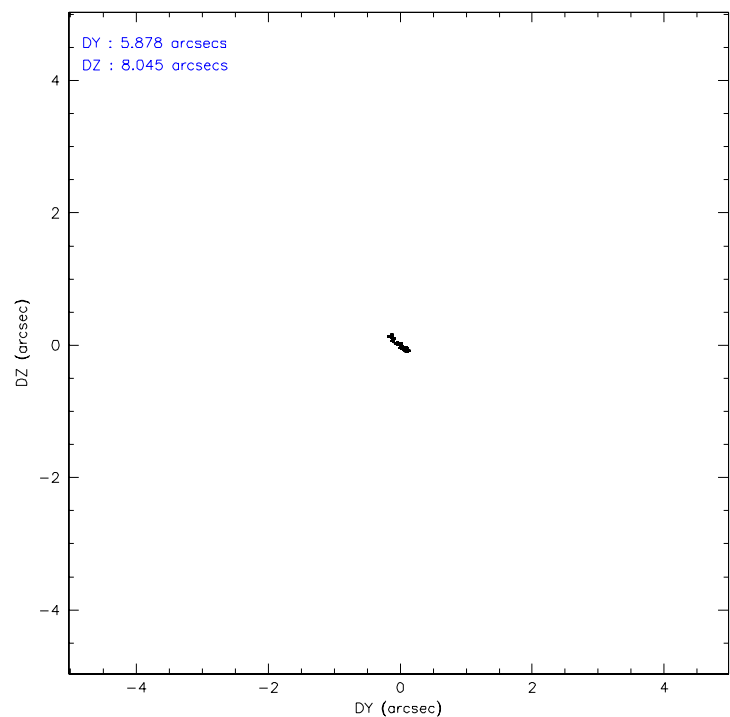
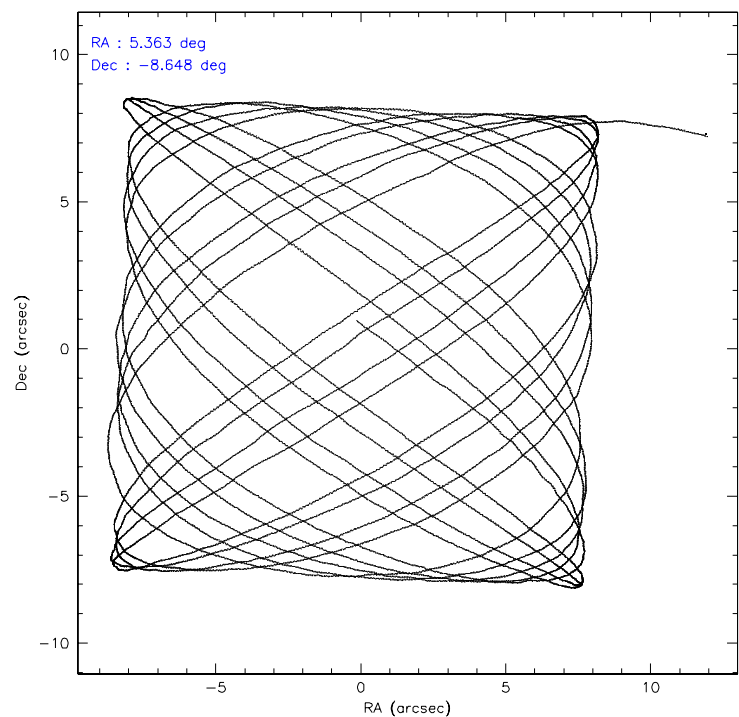
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	52268	49959	54119	68768	64871
rejected events	47108	44989	48268	34687	50145
rejected %	90%	90%	89%	50%	77%

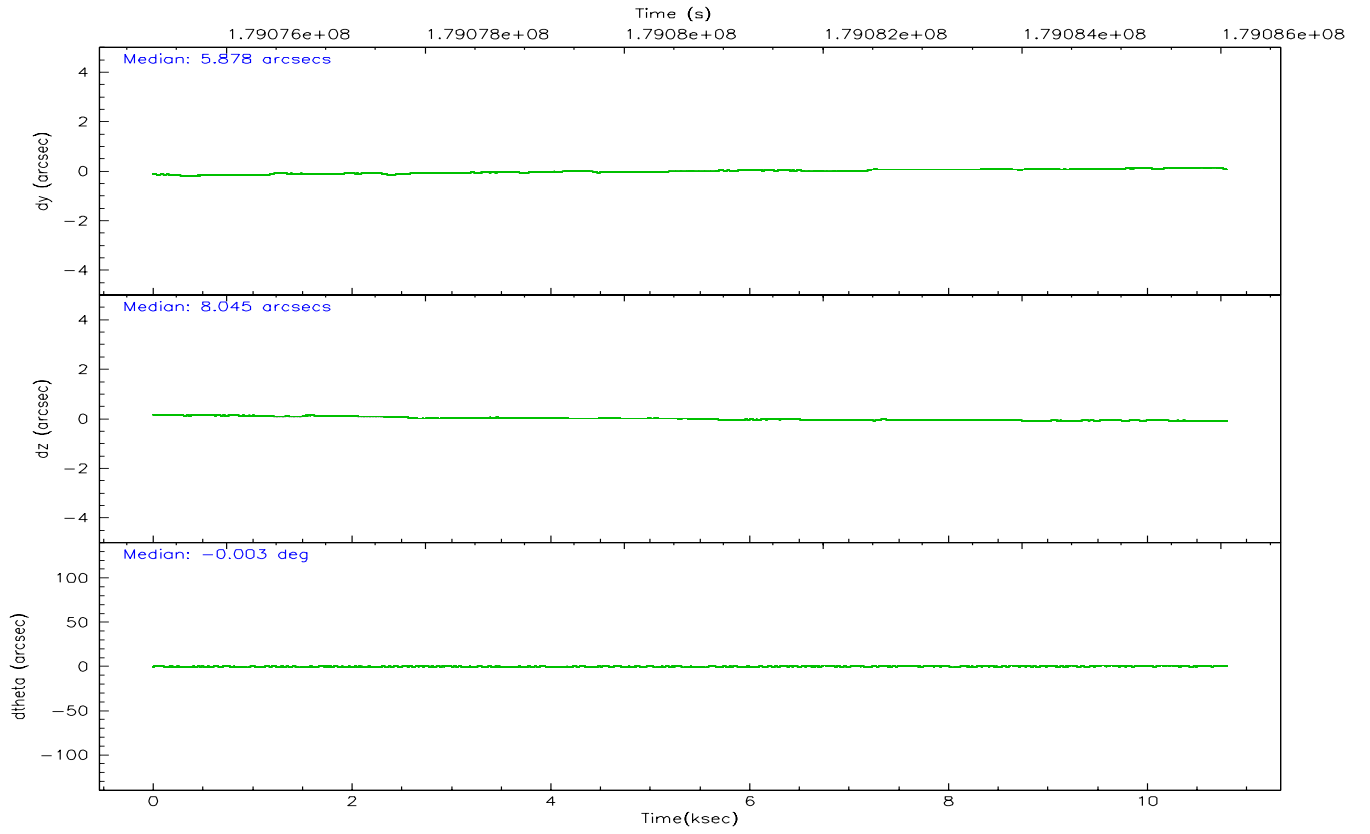
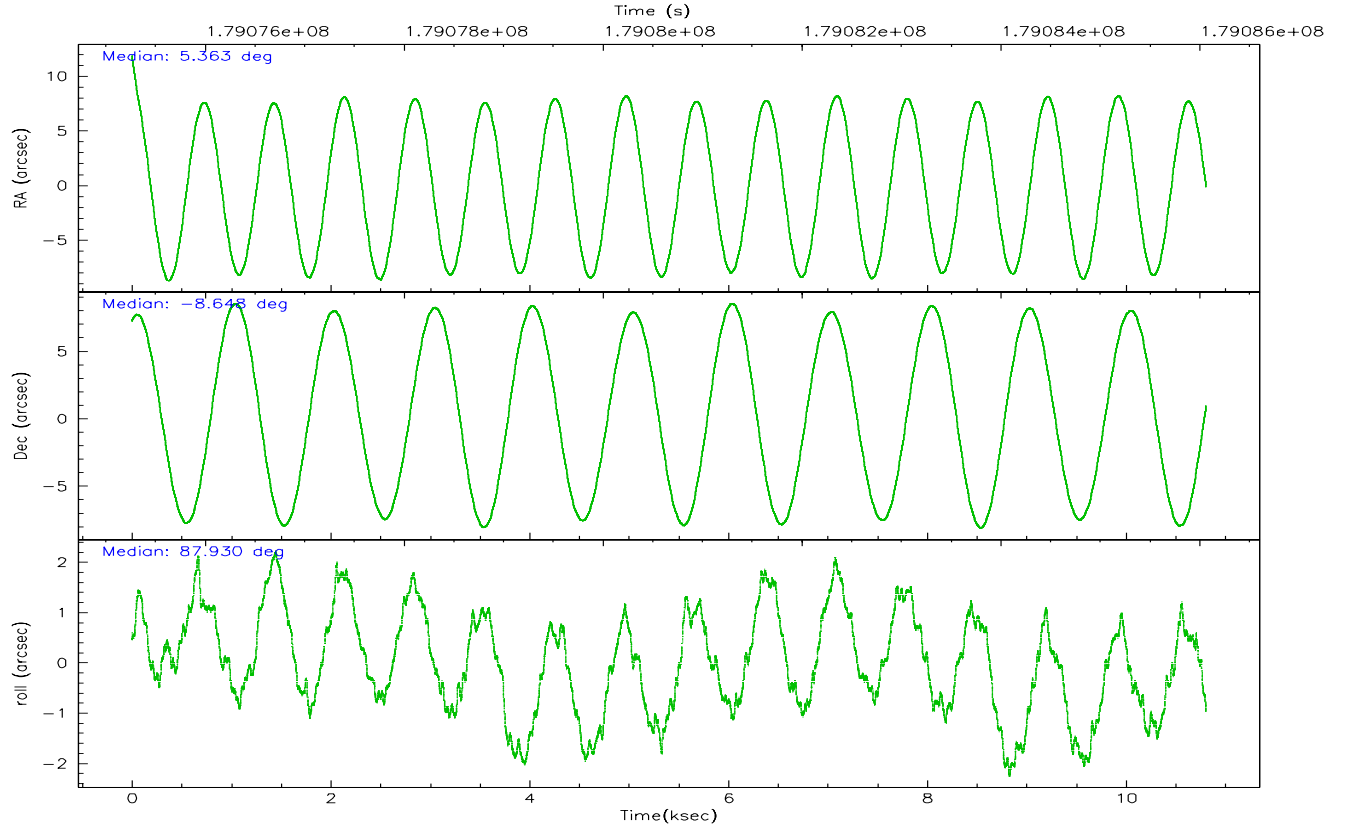
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1888	1795	2314	2795	4718
	3%	3%	4%	4%	7%
grade 1 events	26	21	38	29	45
	0%	0%	0%	0%	0%
grade 2 events	1207	995	1134	8084	3166
	2%	1%	2%	11%	4%
grade 3 events	534	603	633	2051	1565
	1%	1%	1%	2%	2%
grade 4 events	616	598	670	2065	1426
	1%	1%	1%	3%	2%
grade 5 events	1656	1938	2177	4421	2913
	3%	3%	4%	6%	4%
grade 6 events	917	981	1104	19096	3853
	1%	1%	2%	27%	5%
grade 7 events	45424	43028	46049	30227	47185
	86%	86%	85%	43%	72%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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	5.375704	5.362490325439994	Alternating exposures requested	N	N
Pointing Dec	-8.671959	-8.648118280894487	Primary exposure time	0.000000	3.1
Pointing Roll	87.776355	87.93099337751801			
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	179076068.184000	179074797.5314			
Observation start date	2003-09-04T15:20:04	2003-09-04T14:59:57			
Observation end time	179086068.184000	179086487.1444			
Observation end date	2003-09-04T18:06:44	2003-09-04T18:14:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect





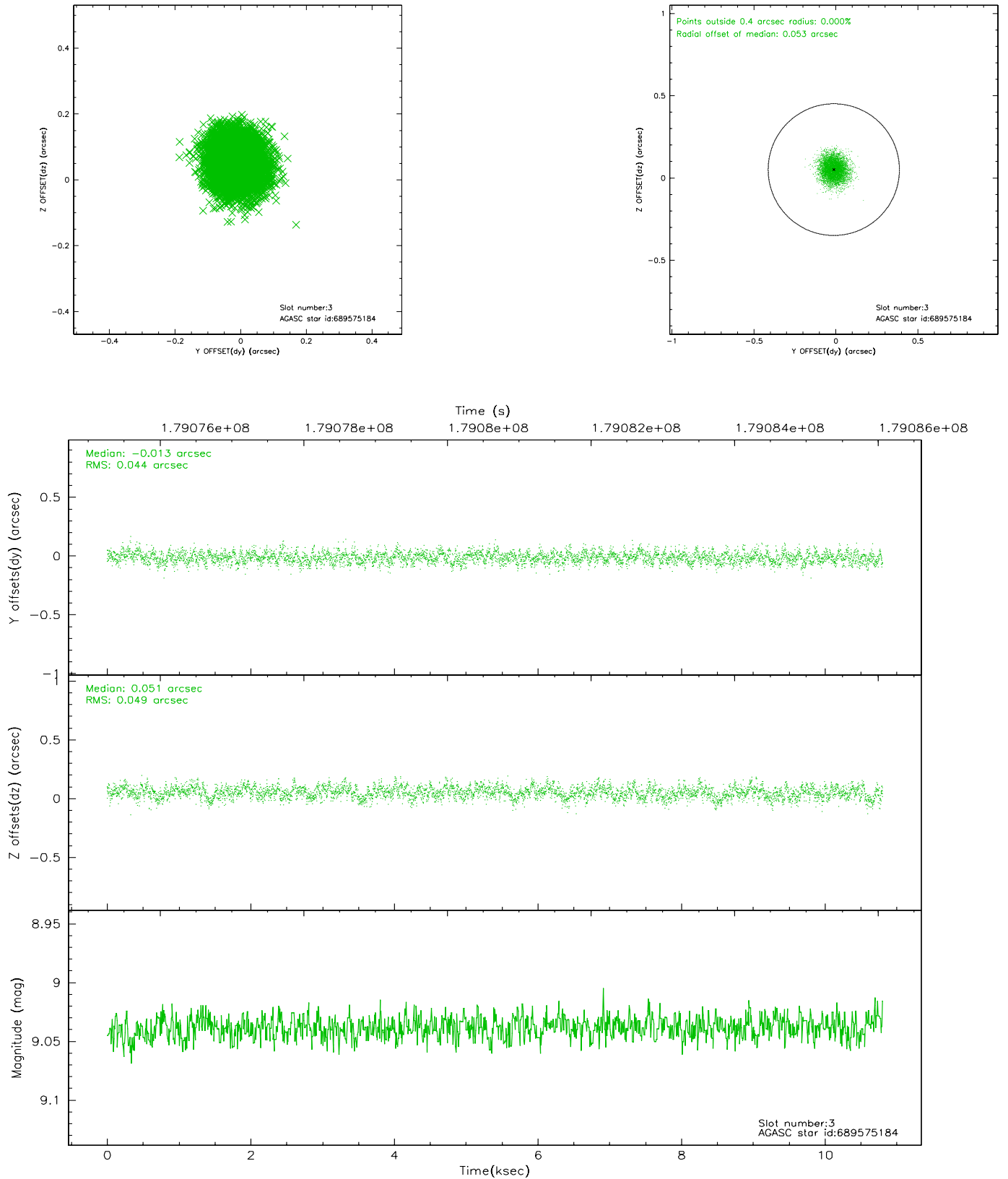
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2636	-0.022	-0.023	0.013	0.020	0.000000	0.000000	-758.64	-1729.21
1	FID	ACIS-S-4	7.21	2636	0.028	0.017	0.022	0.031	0.000000	0.000000	2154.49	178.78
2	FID	ACIS-S-5	7.23	2636	-0.034	0.014	0.014	0.022	0.000000	0.000000	-1810.84	173.05
3	GUIDE	689575184	9.04	5272	-0.013	0.051	0.070	0.114	5.080922	-8.904350	-876.96	1015.14
4	GUIDE	689575224	8.56	5273	-0.066	-0.018	0.064	0.106	5.026935	-9.056489	-1432.04	1185.71
5	GUIDE	689706408	7.69	5273	0.050	0.117	0.054	0.092	5.693066	-9.230851	-1967.43	-1204.44
6	GUIDE	689707464	8.82	5270	-0.066	-0.060	0.068	0.108	5.305527	-8.281157	1395.84	304.43
7	GUIDE	689707672	9.18	5269	0.094	-0.083	0.063	0.101	5.291102	-9.232146	-2026.32	222.16

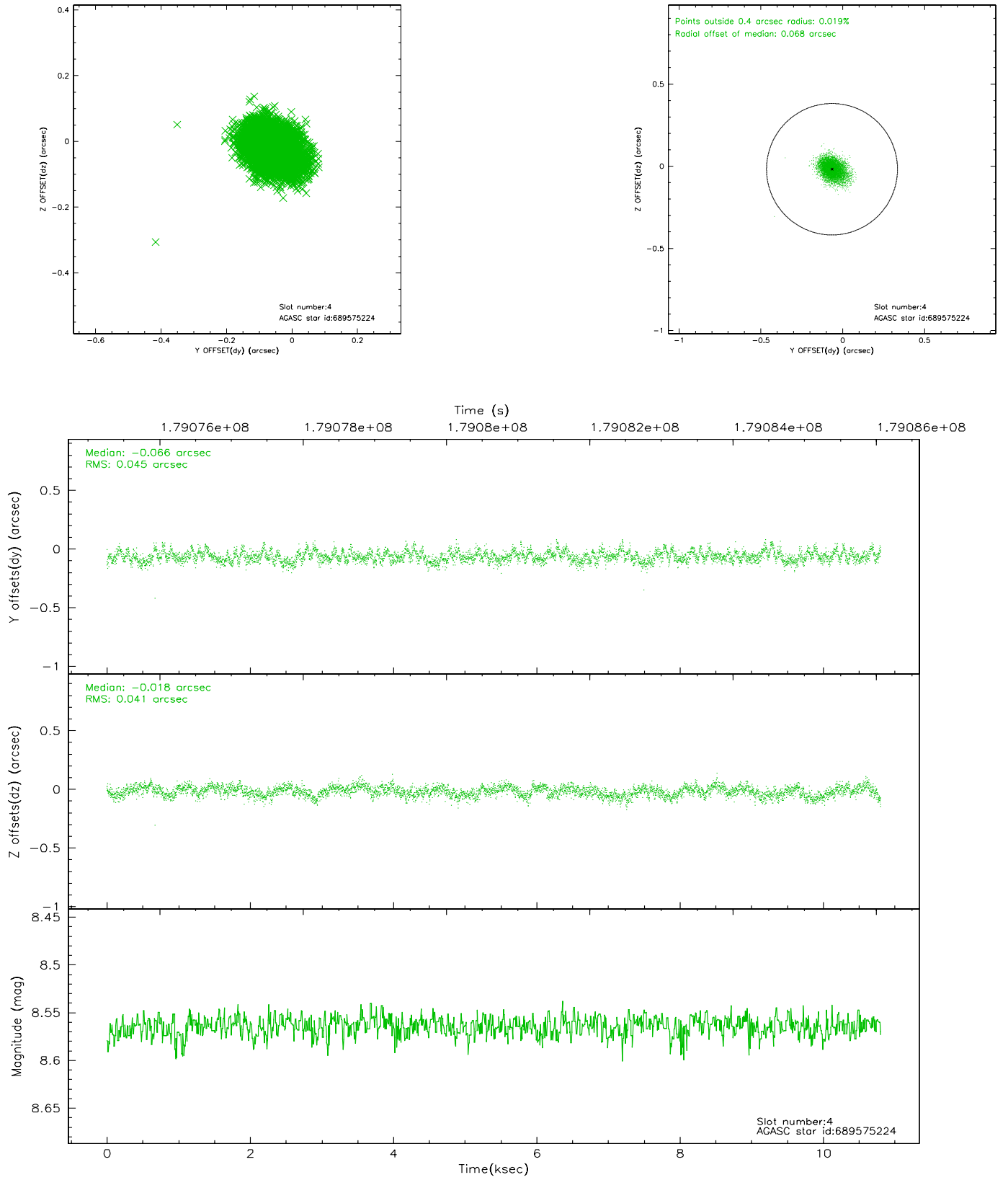


## 2.4 Star Slots

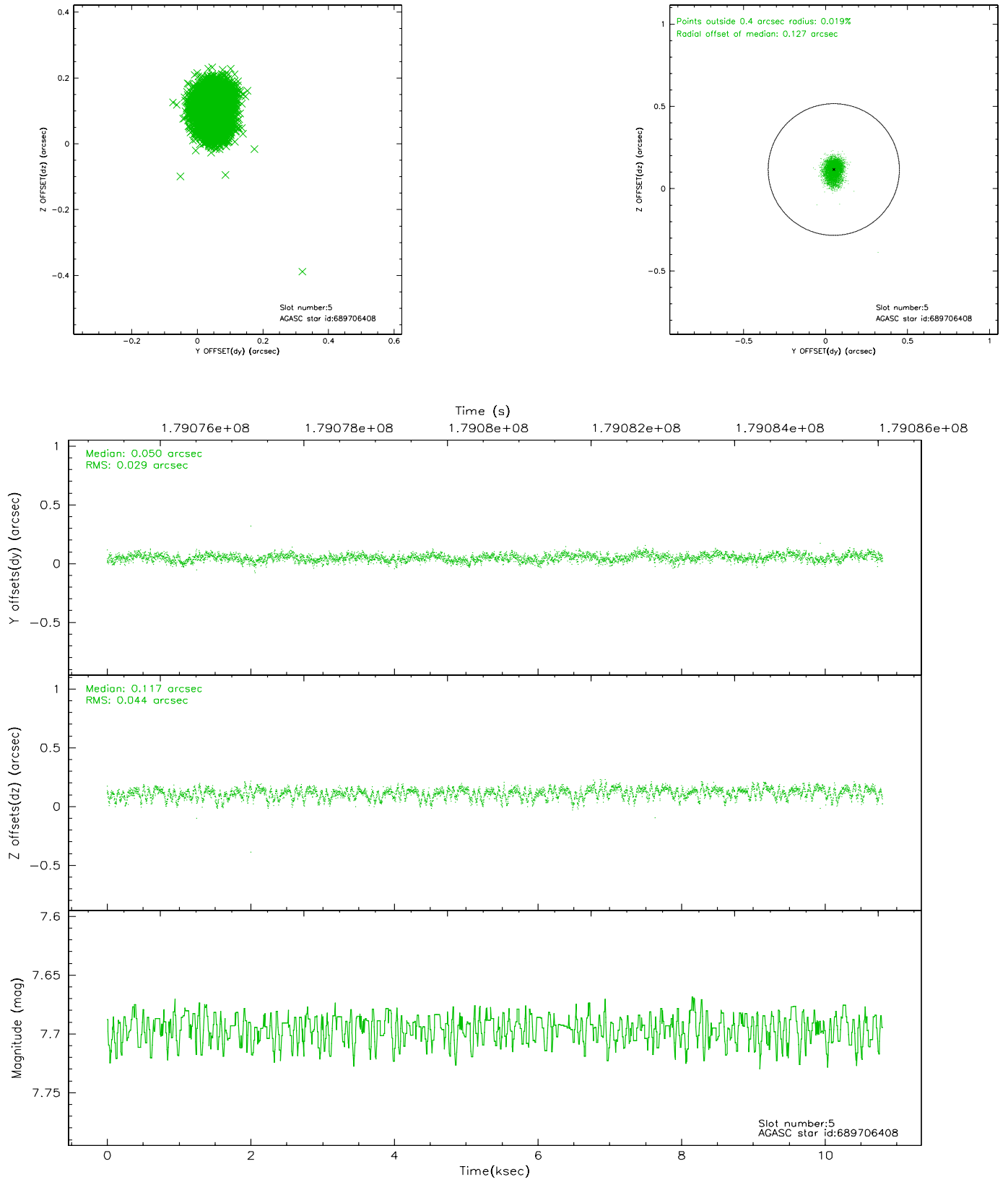
### 2.4.1 Slot 3



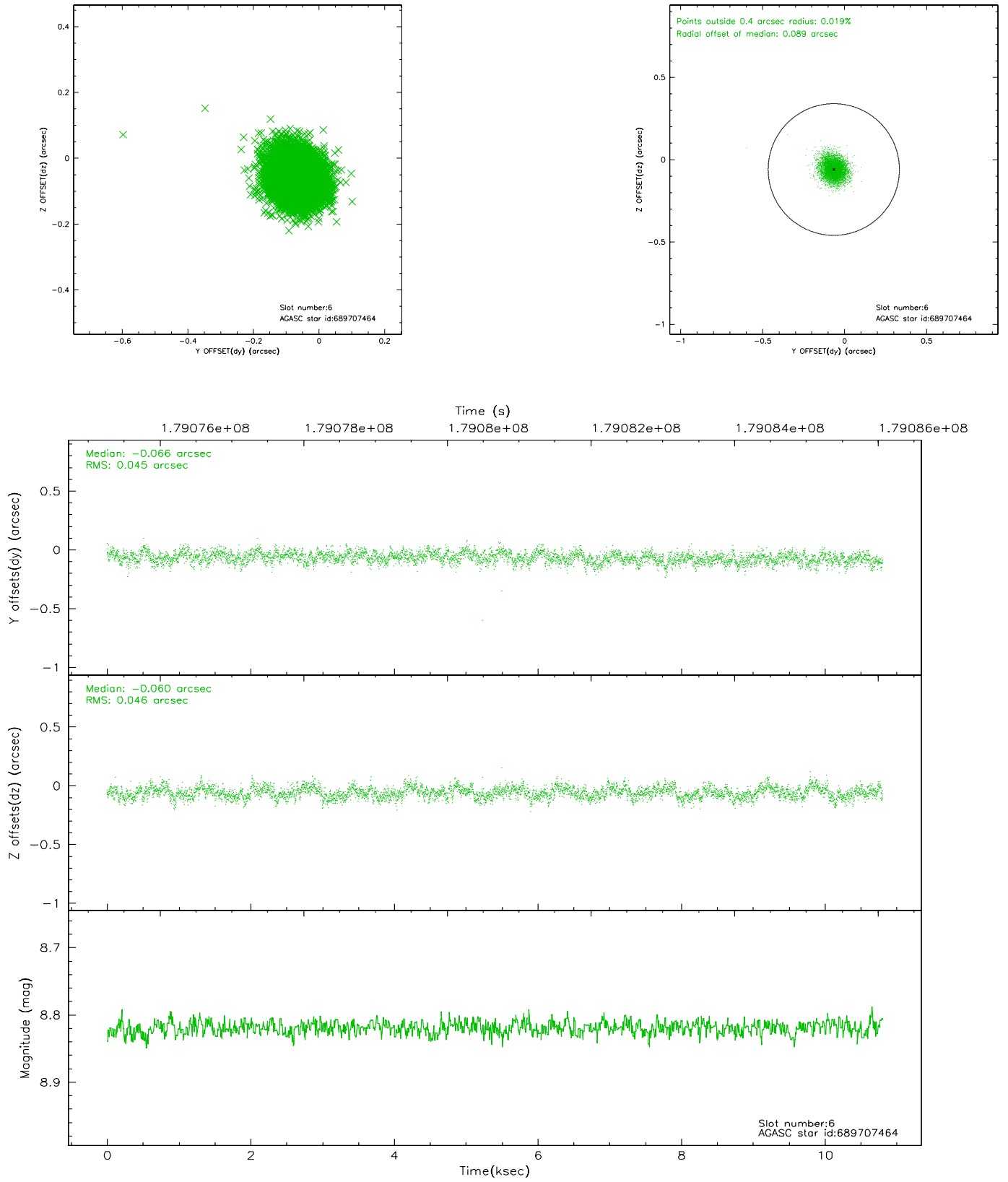
## 2.4.2 Slot 4



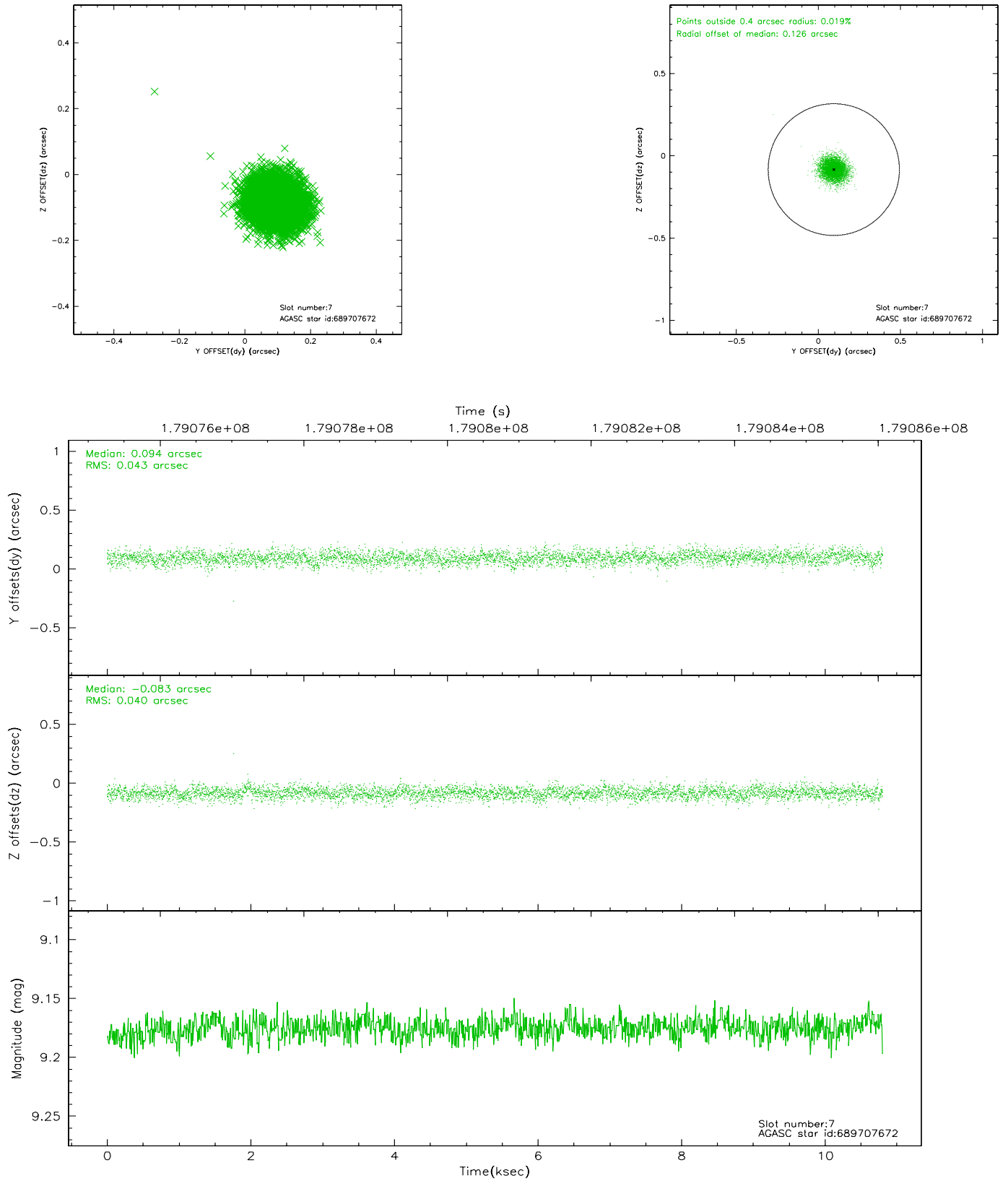
### 2.4.3 Slot 5



## 2.4.4 Slot 6

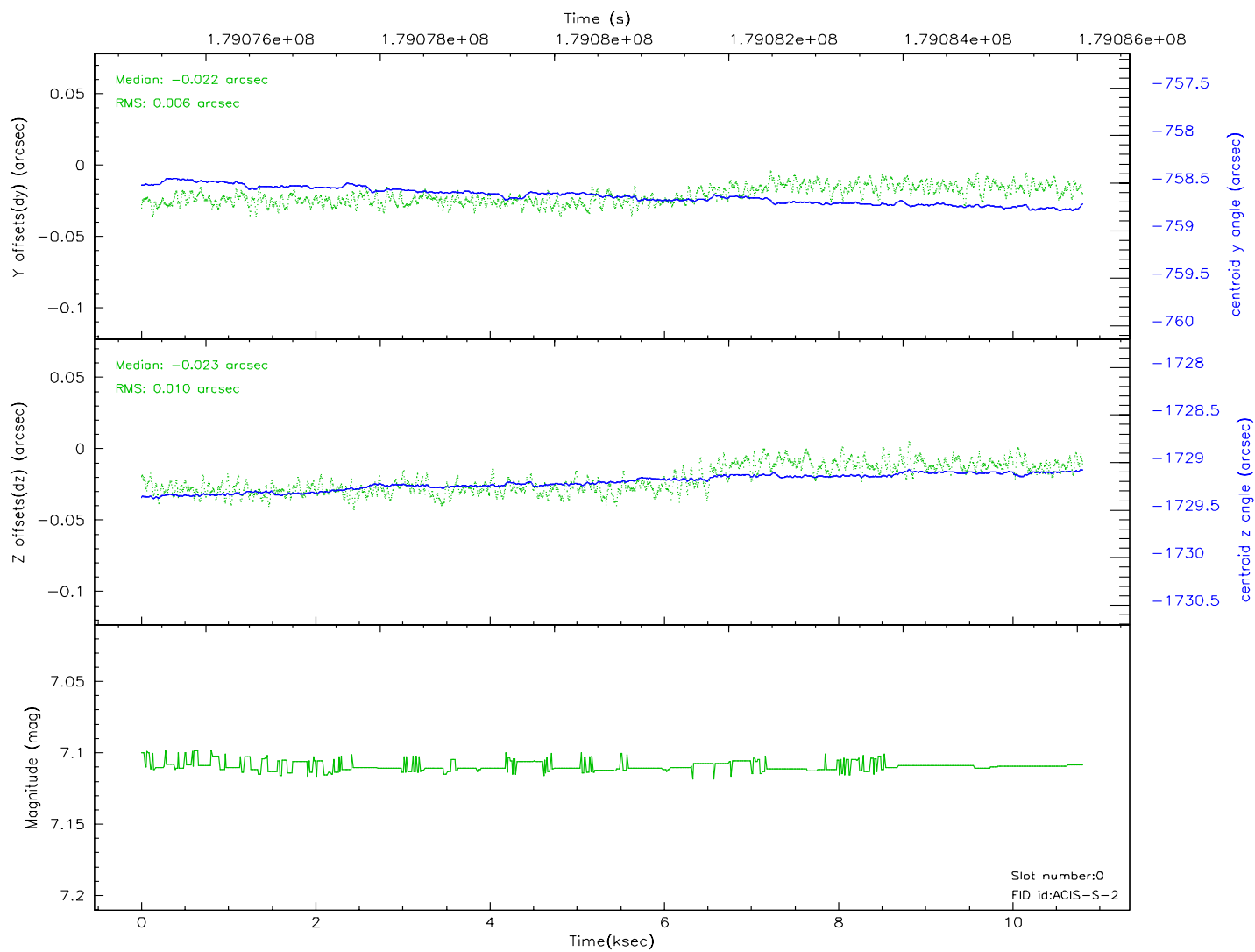
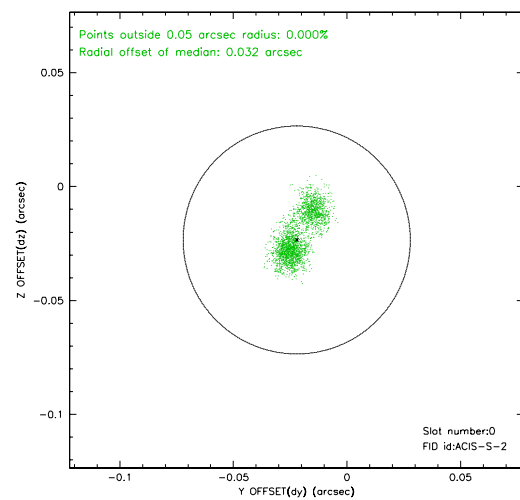
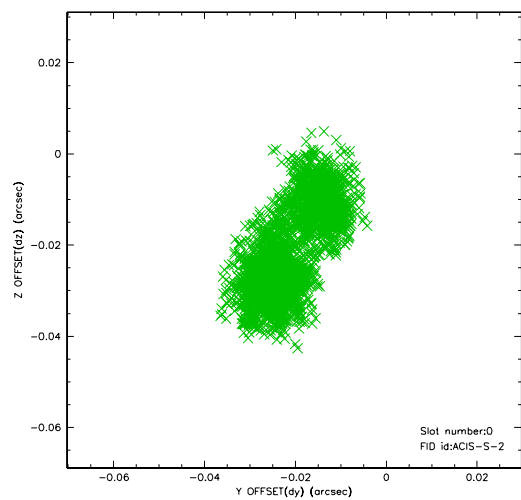


## 2.4.5 Slot 7

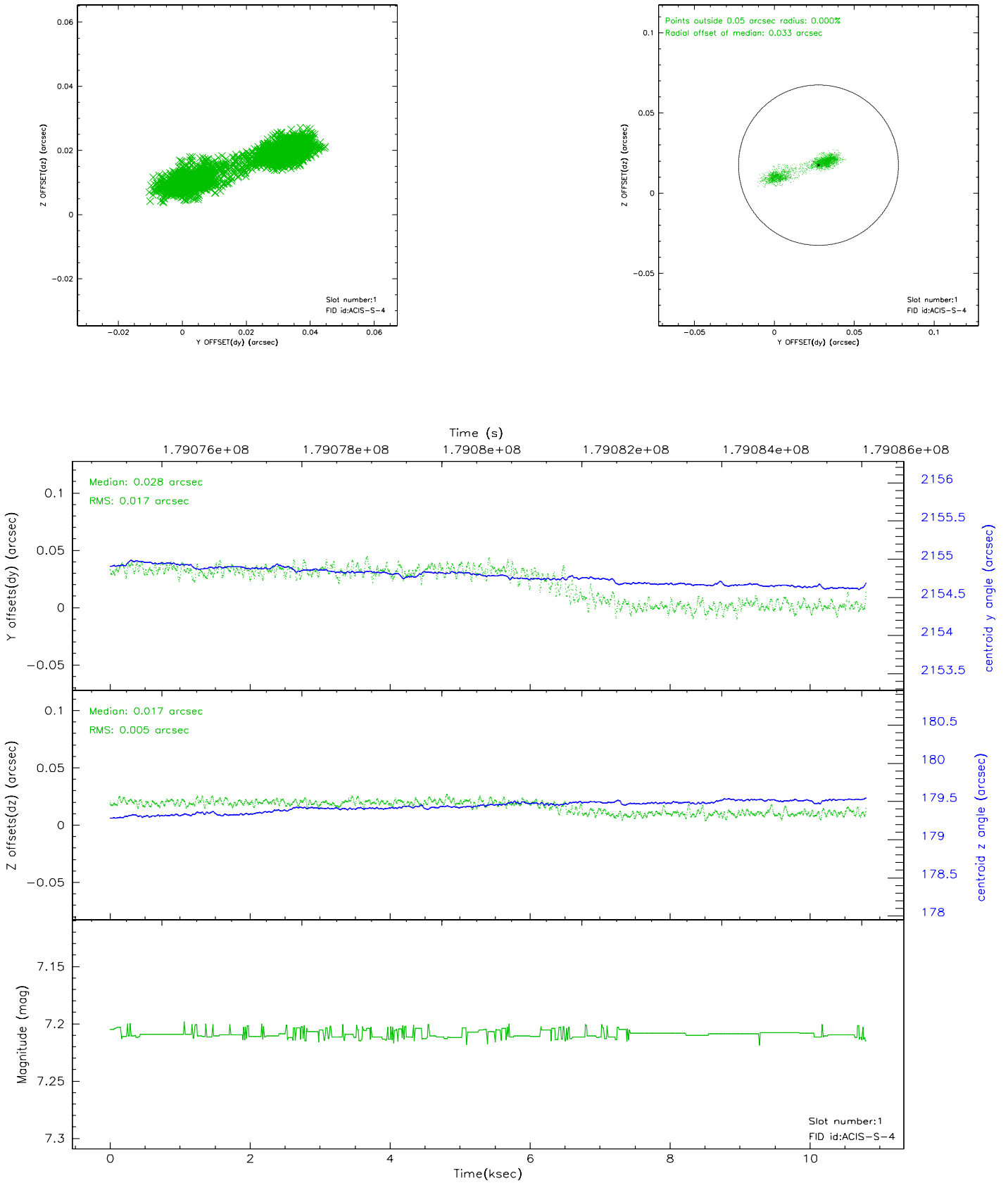


## 2.5 FID Slots

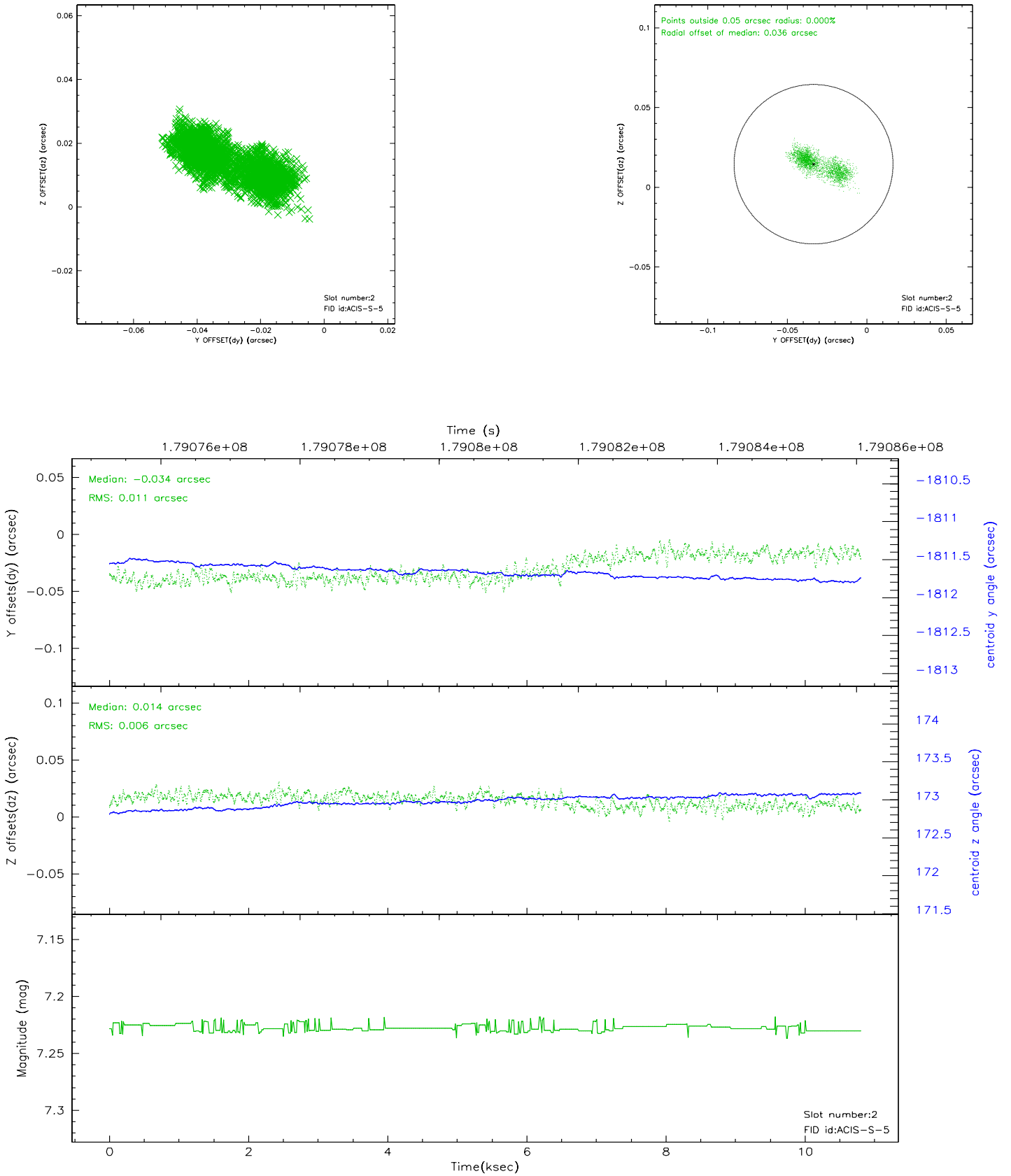
### 2.5.1 Slot 0



## 2.5.2 Slot 1

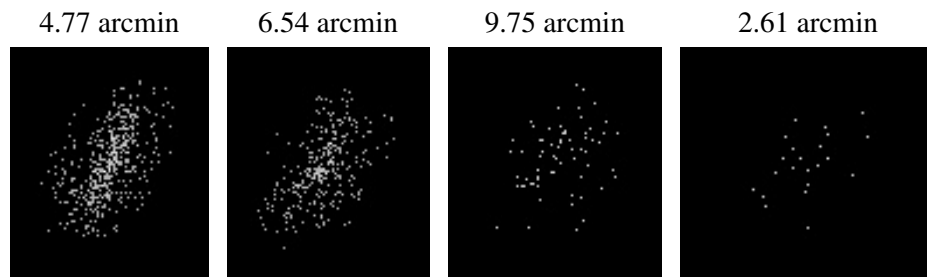


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.109

### A.2 Comments