

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2095 - L2 Version 001  
Chandra X-Ray Center

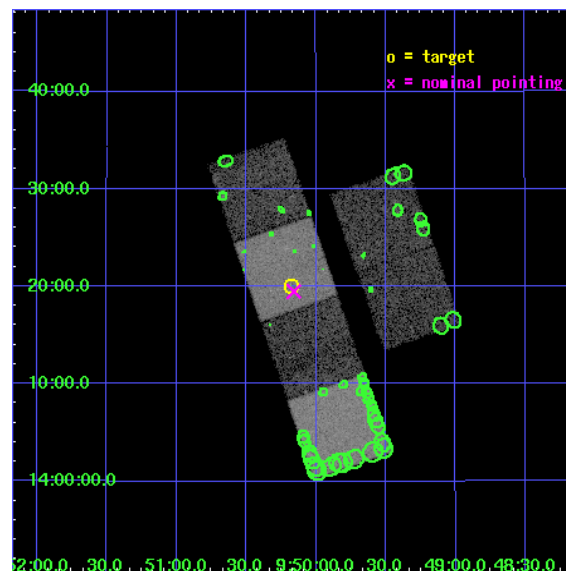
L2 Processing Date : Nov 25 2006

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# 1 Front

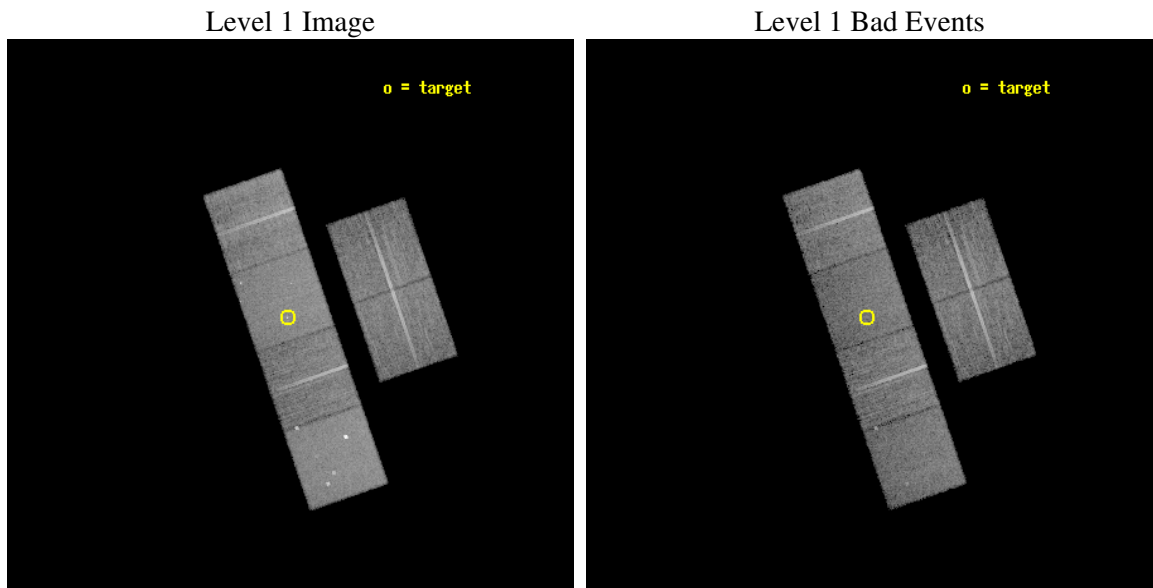
seq_num	700285
obs_id	2095
title	X-RAY STRUCTURES IN AND AROUND POWERFUL RADIO SOURCES
observer	Prof Diana Worrall
object	3C 228
dtcycle	0
cycle	P
ra_targ	147.544583
dec_targ	14.333361
ra_nom	147.53962407925
dec_nom	14.324823526797
roll_nom	250.97589823165
revision	2
ontime	13958.400013
livetime	13781.650347296
ontime2	13958.400013
ontime3	13958.400013
ontime5	13958.400013
ontime6	13958.400013
ontime7	13958.400013
ontime8	13955.159172356
l2events	131216



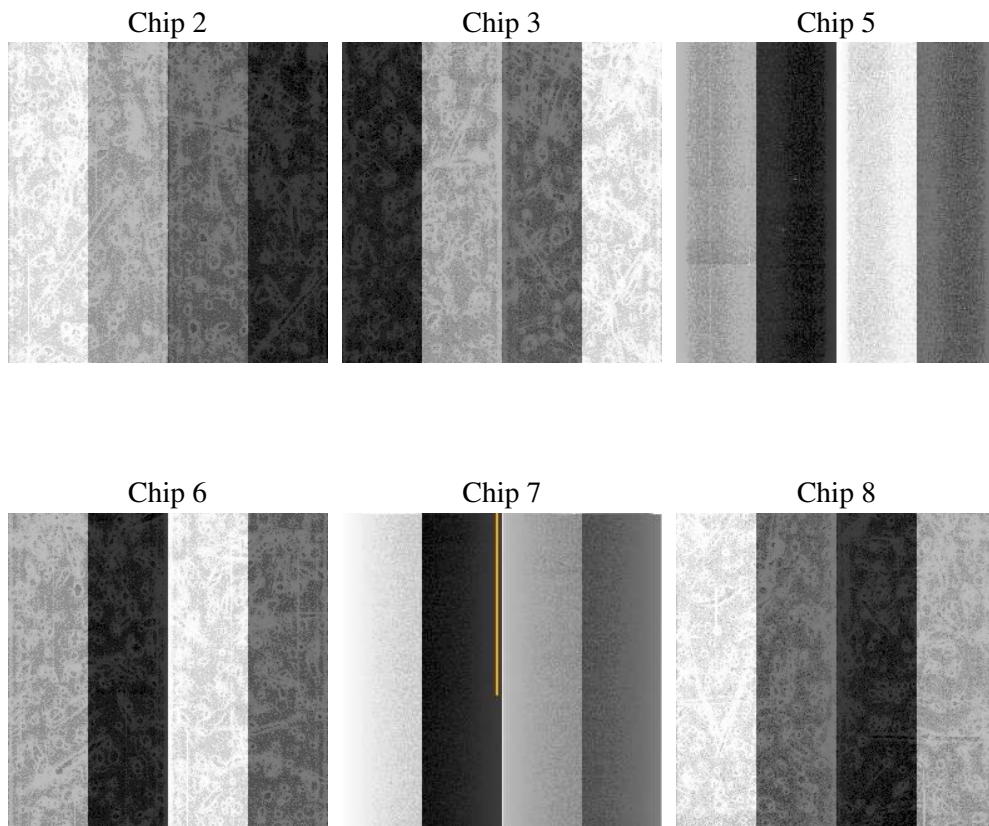
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-25T05:12:34
revision	2

sched_exp_time	14200.000000
ontime	13962.21872358
ontime2	13962.218693659
ontime3	13965.459703743
ontime5	13962.21872358
ontime6	13962.218693659
ontime7	13962.21872358
ontime8	13962.218763411
l1events	632082

### 2.1.4 Events

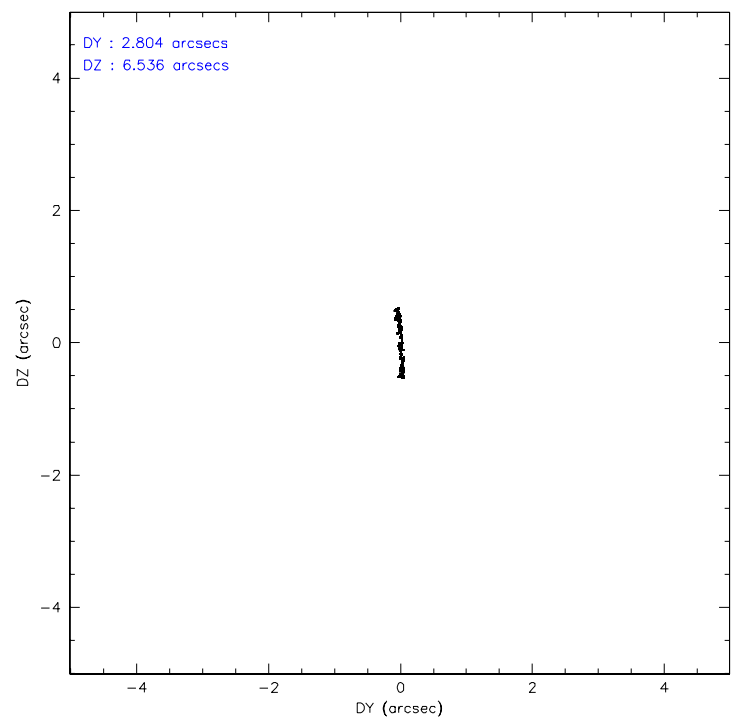
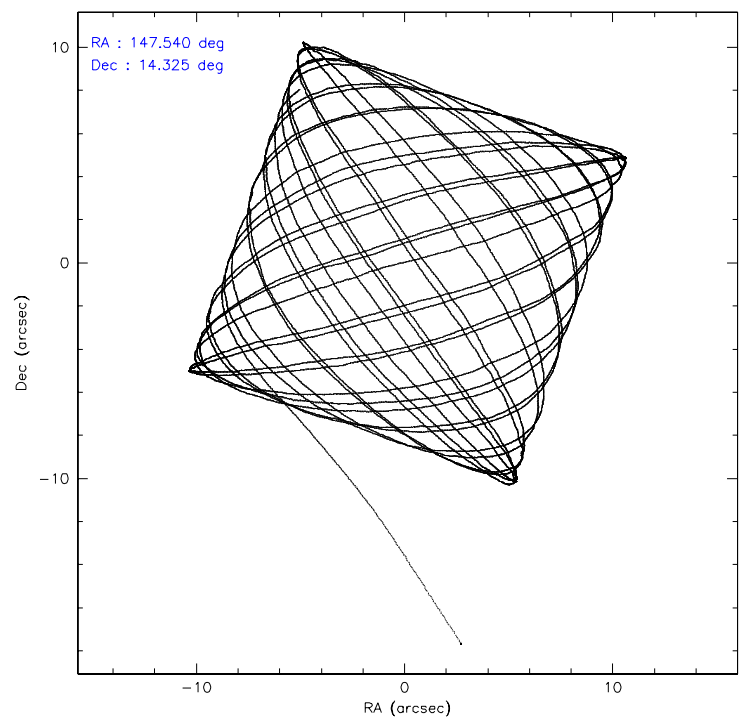
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	89910	88116	128784	93293	115089	116890
rejected events	79949	78385	70379	82980	70095	93004
rejected %	88%	88%	54%	88%	60%	79%

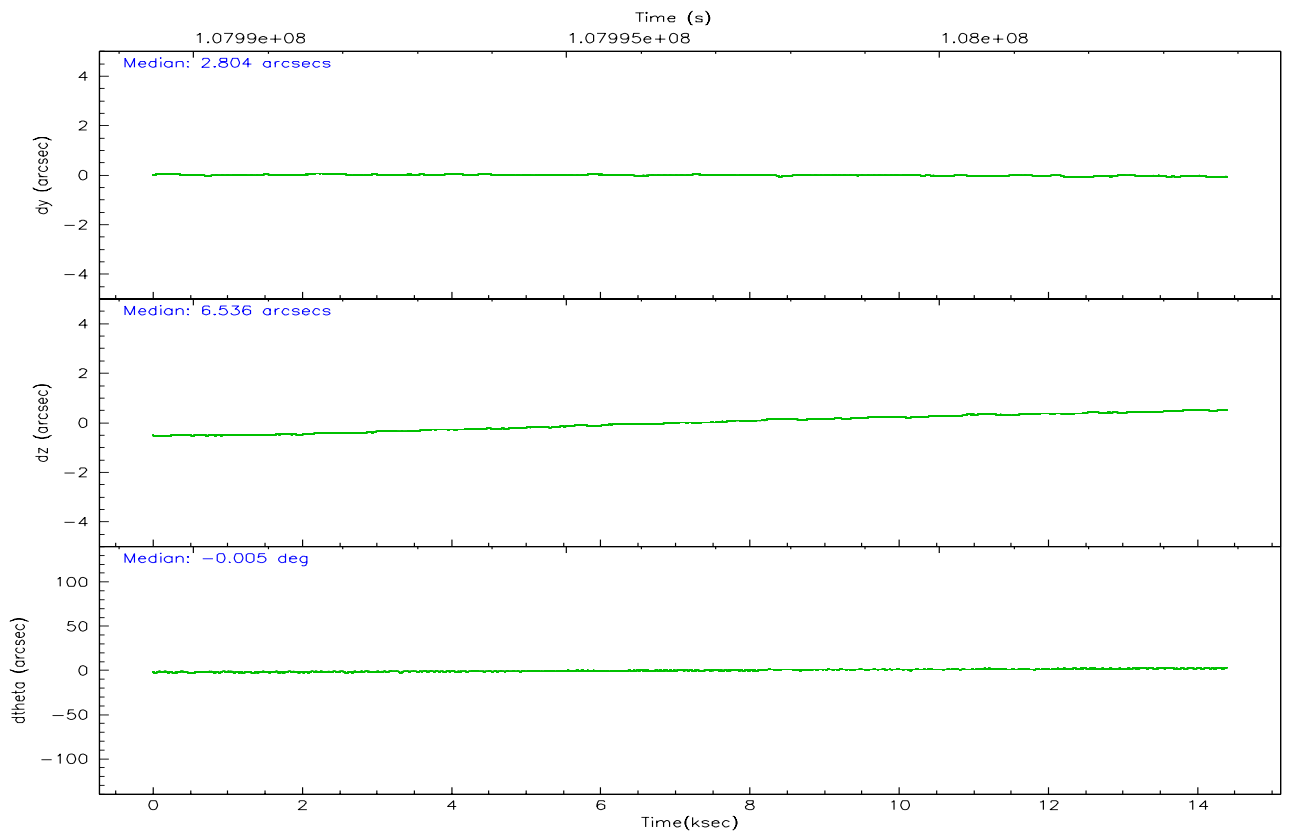
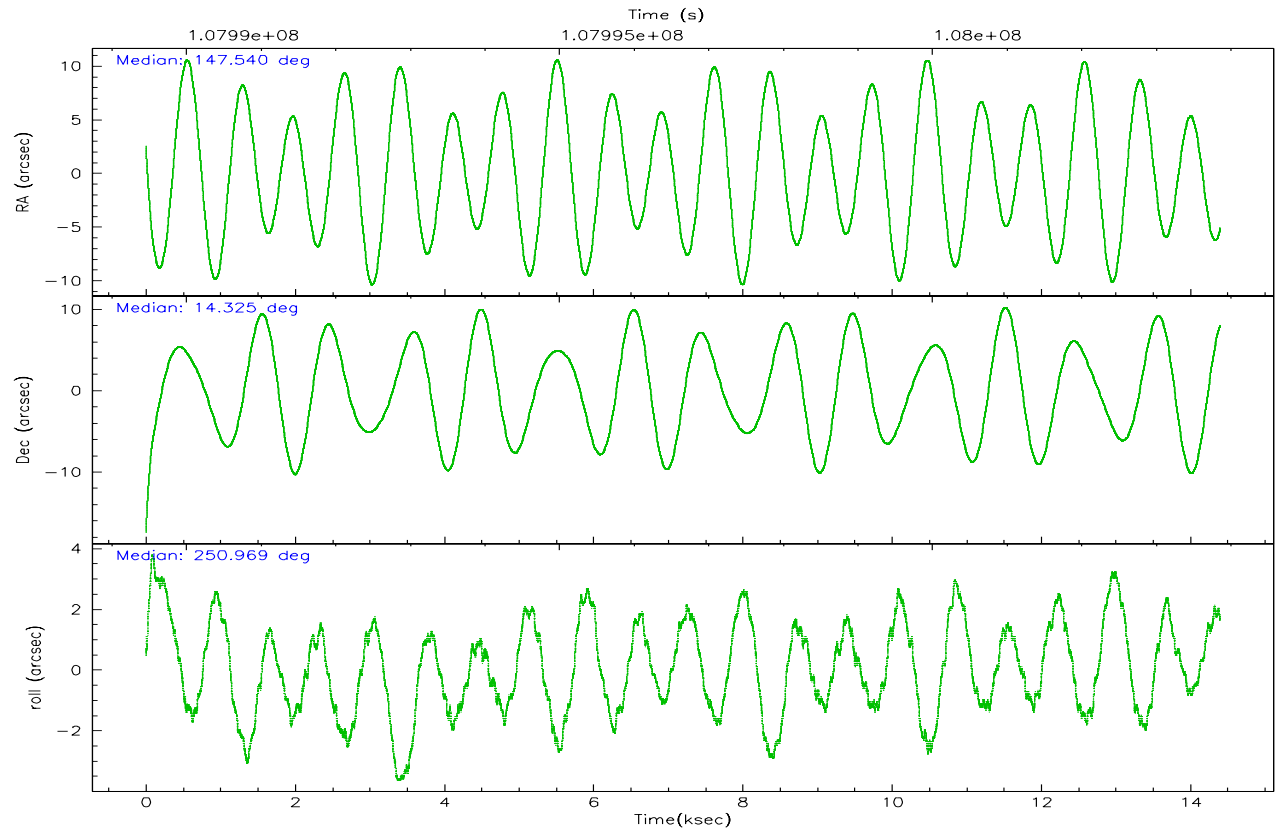
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4149	4084	7080	4145	3133	7409
	4%	4%	5%	4%	2%	6%
grade 1 events	51	42	399	33	69	63
	0%	0%	0%	0%	0%	0%
grade 2 events	2172	1985	17391	2019	11092	5118
	2%	2%	13%	2%	9%	4%
grade 3 events	934	954	1280	1036	2565	2716
	1%	1%	0%	1%	2%	2%
grade 4 events	989	966	1347	1063	2455	2512
	1%	1%	1%	1%	2%	2%
grade 5 events	3040	3354	6339	3741	7848	4773
	3%	3%	4%	4%	6%	4%
grade 6 events	1721	1747	31337	2053	25769	6134
	1%	1%	24%	2%	22%	5%
grade 7 events	76854	74984	63611	79203	62158	88165
	85%	85%	49%	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	147.533998	147.5396240792542	Subarray requested	NONE	NONE
Pointing Dec	14.351572	14.32482352679693	Alternating exposures requested	N	N
Pointing Roll	250.820669	250.9758982316543	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	107989628.184000	107988735.80277			
Observation start date	2001-06-03T21:06:04	2001-06-03T20:52:15			
Observation end time	108003828.184000	108004469.55338			
Observation end date	2001-06-04T01:02:44	2001-06-04T01:14:29			
Read mode	TIMED	TIMED			

### 2.3 Aspect





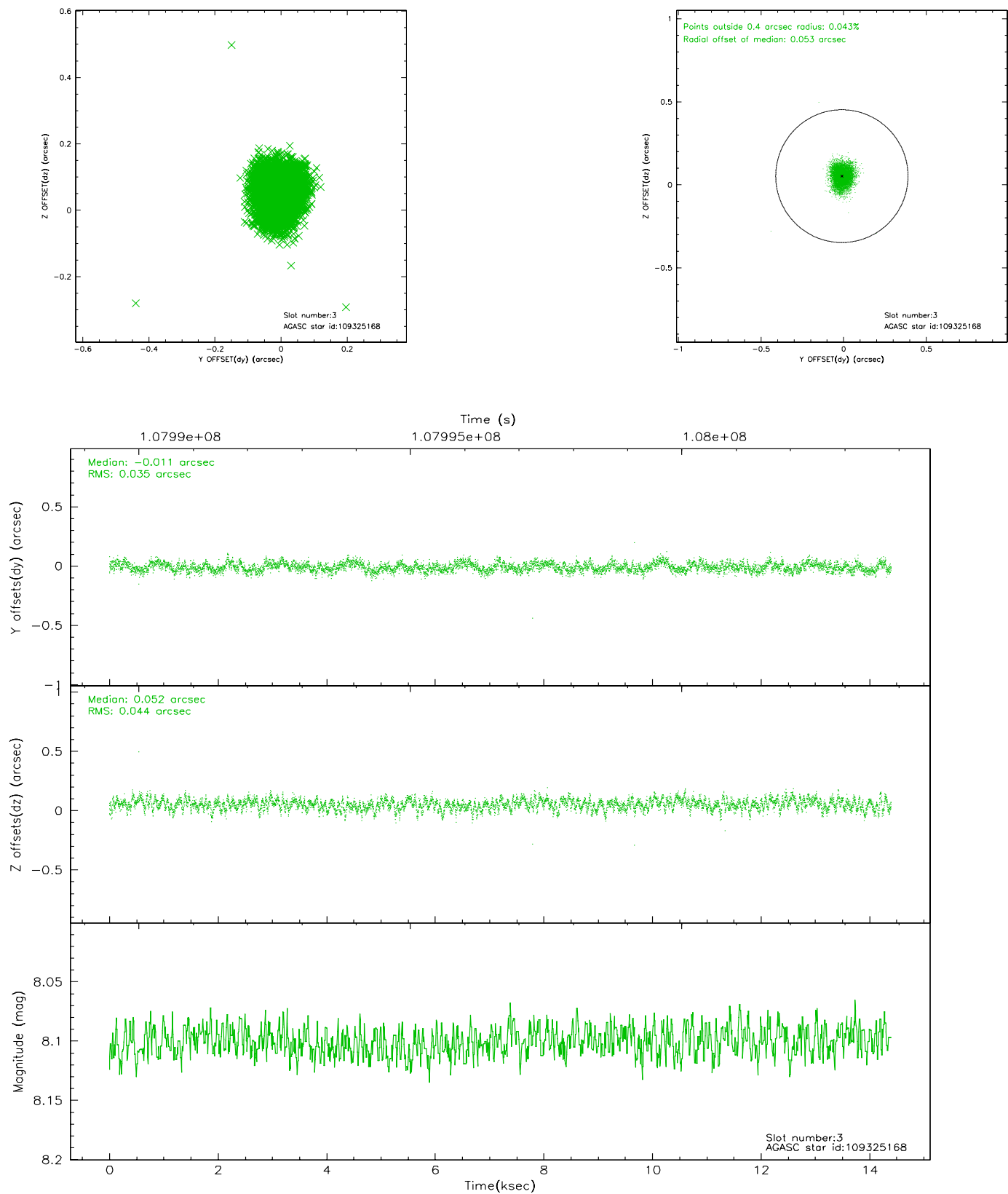
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	3512	-0.005	0.037	0.012	0.018	0.000000	0.000000	-755.42	-1727.65
1	FID	ACIS-S-4	7.20	3511	-0.098	-0.007	0.011	0.017	0.000000	0.000000	2157.59	180.49
2	FID	ACIS-S-5	7.24	3511	0.071	-0.020	0.007	0.012	0.000000	0.000000	-1807.80	174.46
3	GUIDE	109325168	8.10	7019	-0.011	0.052	0.059	0.097	147.482941	14.562637	-658.63	-417.53
4	GUIDE	109319208	8.00	7018	0.100	0.017	0.060	0.092	147.710270	14.120752	582.84	854.32
5	GUIDE	109324784	8.62	7022	-0.111	-0.114	0.065	0.106	147.303028	14.957479	-1796.01	-1475.55
6	GUIDE	109455448	8.78	7021	-0.116	0.165	0.086	0.137	148.378447	14.717182	-2214.44	2342.86
7	GUIDE	109320368	9.05	7022	0.144	-0.117	0.088	0.144	146.751214	14.131748	1641.72	-2322.06

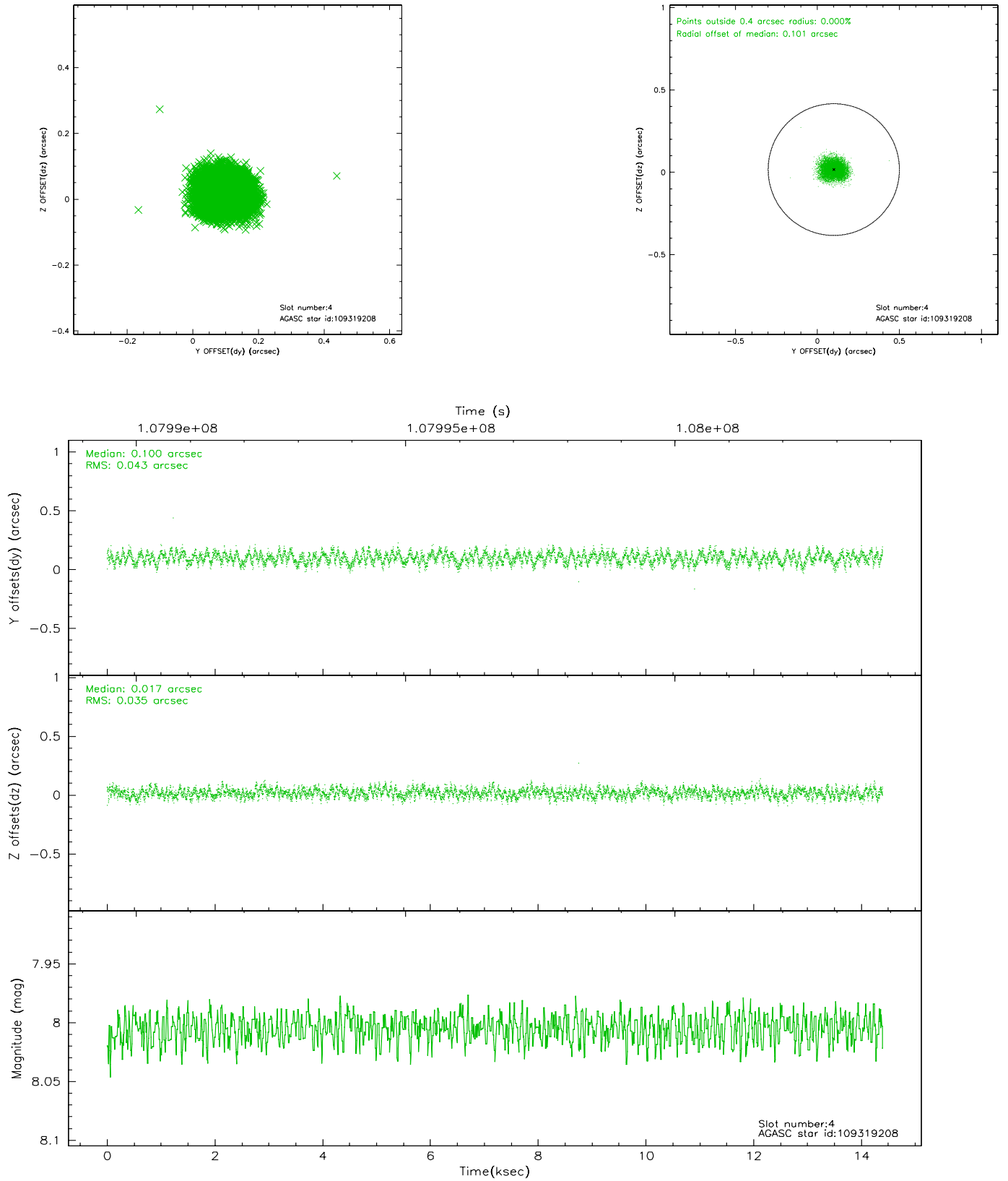


## 2.4 Star Slots

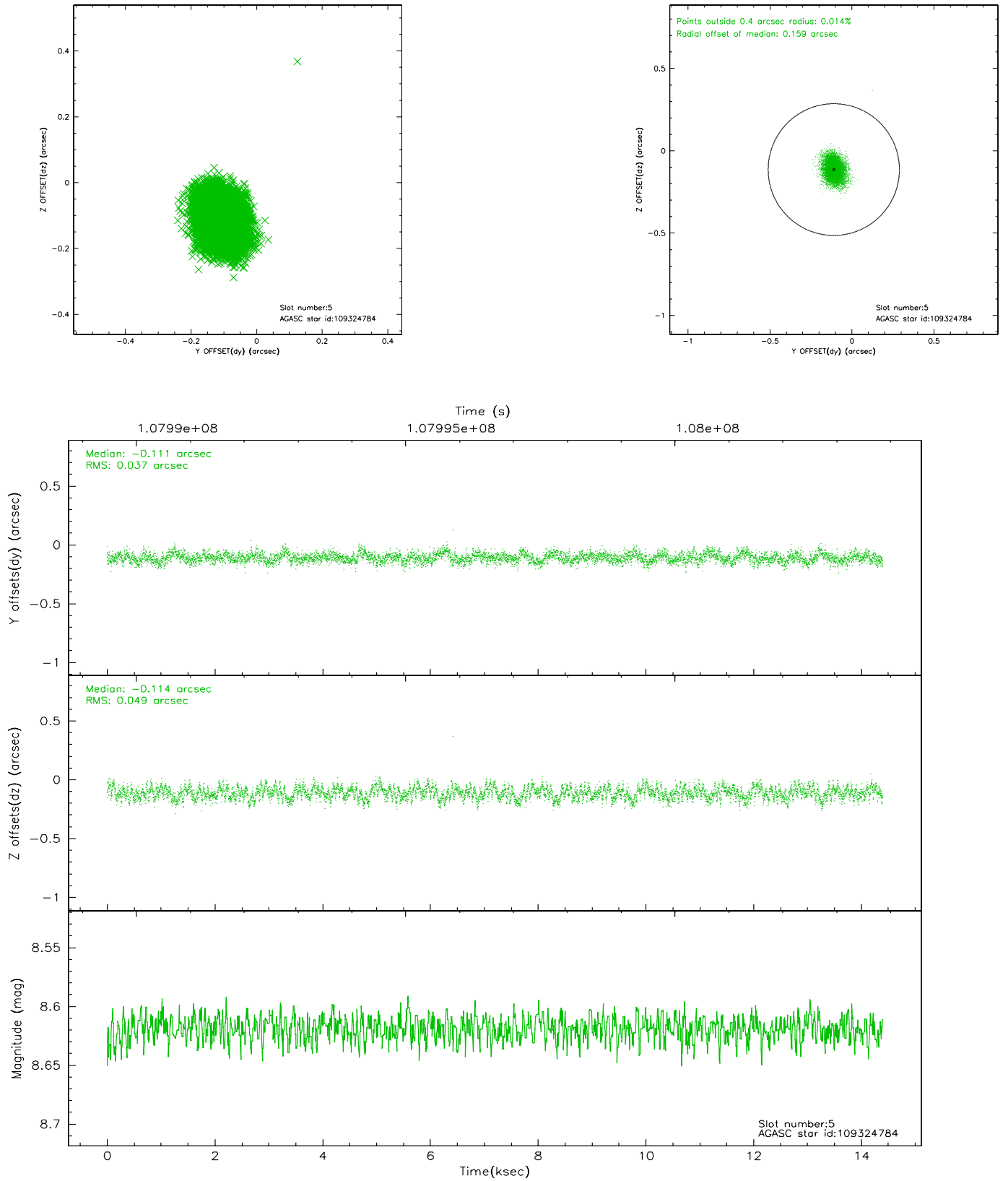
### 2.4.1 Slot 3



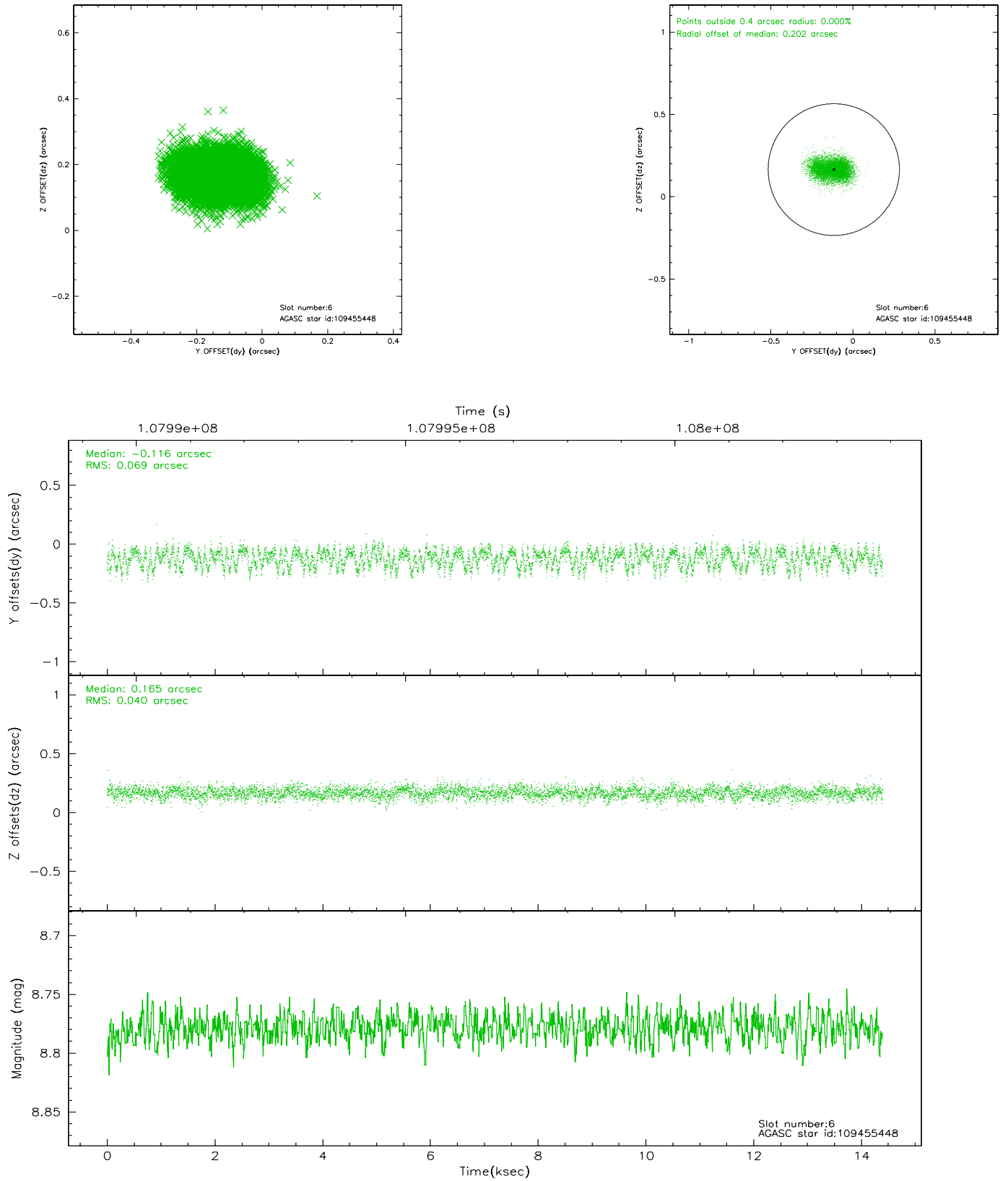
## 2.4.2 Slot 4



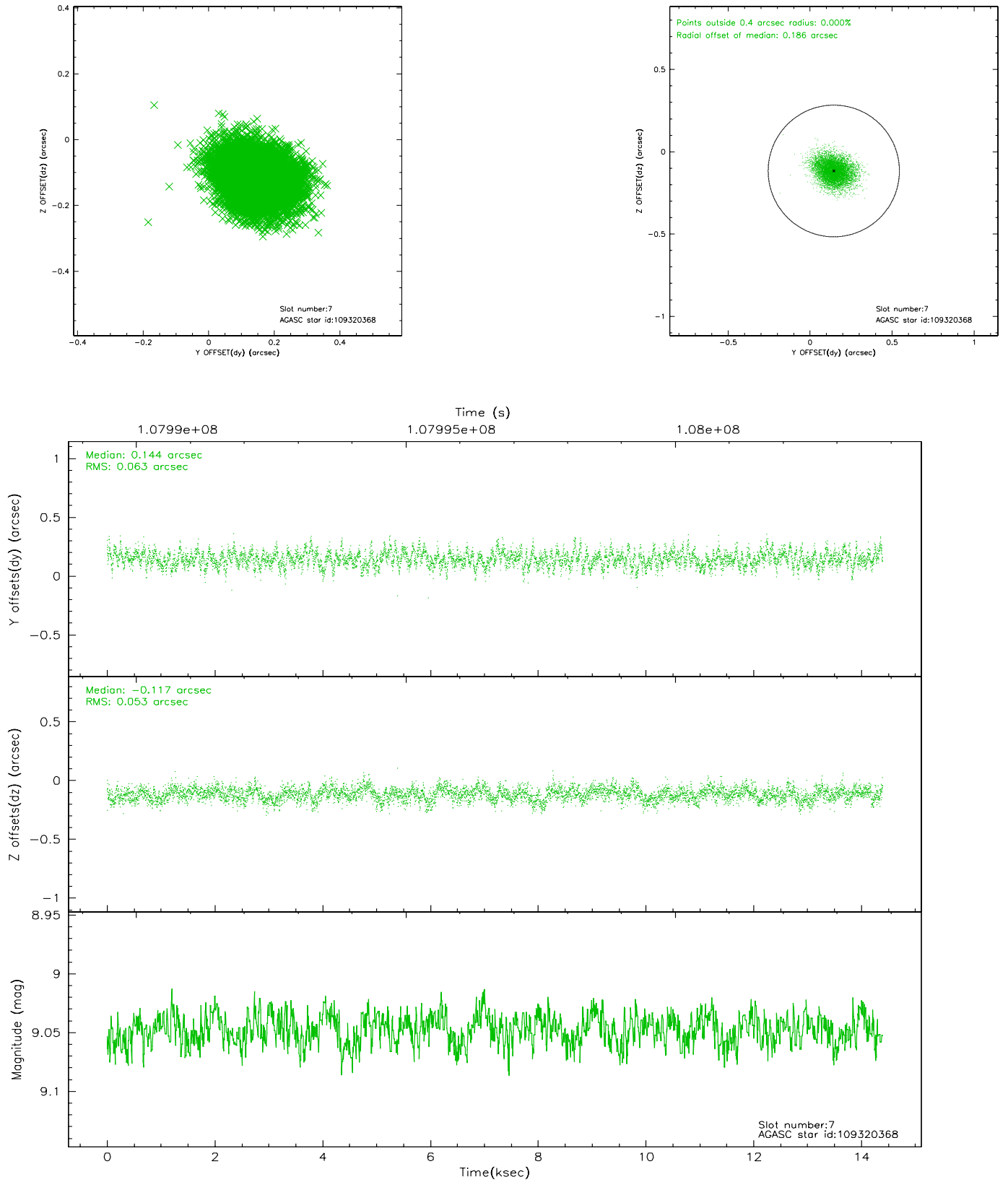
### 2.4.3 Slot 5



## 2.4.4 Slot 6

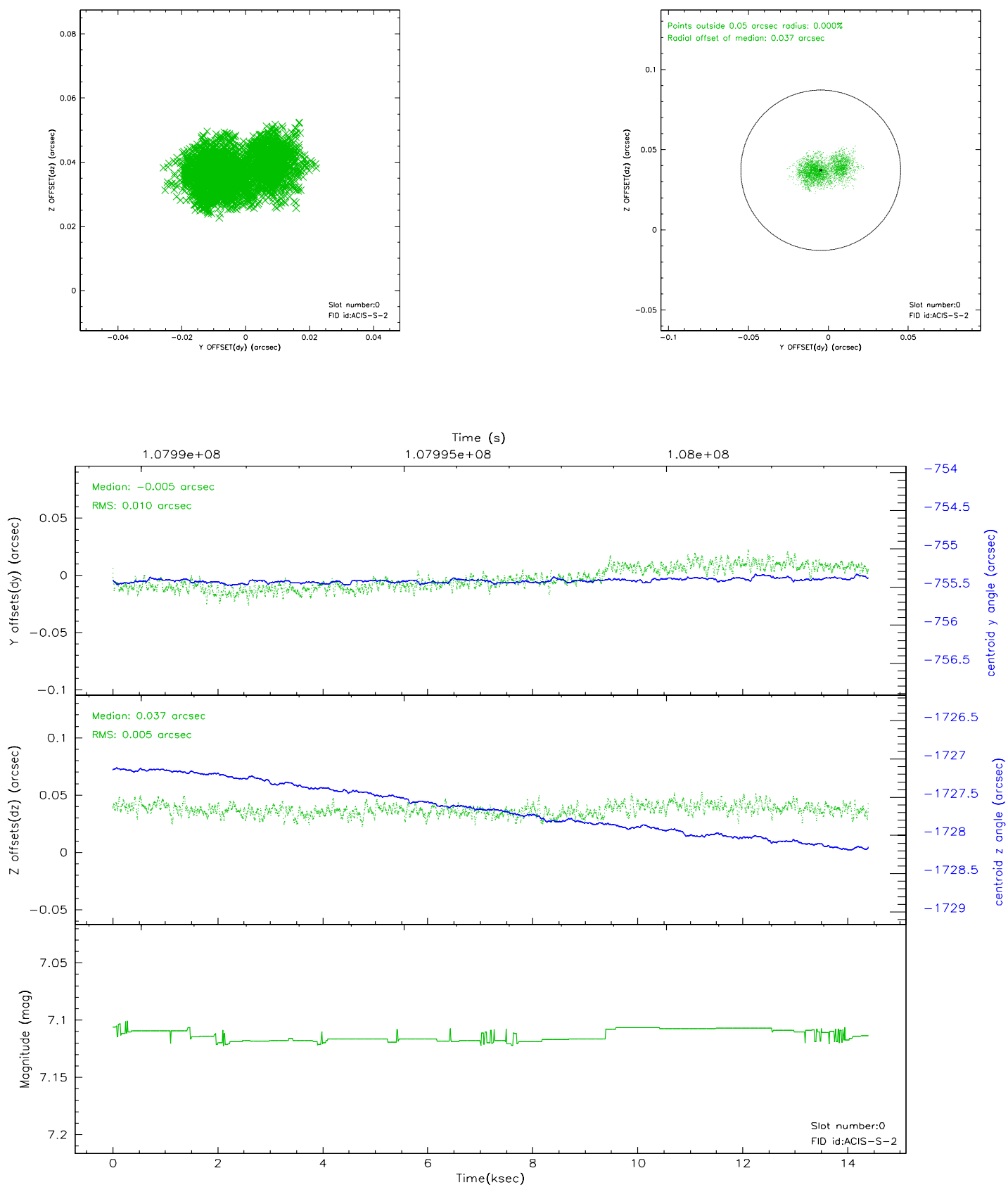


## 2.4.5 Slot 7

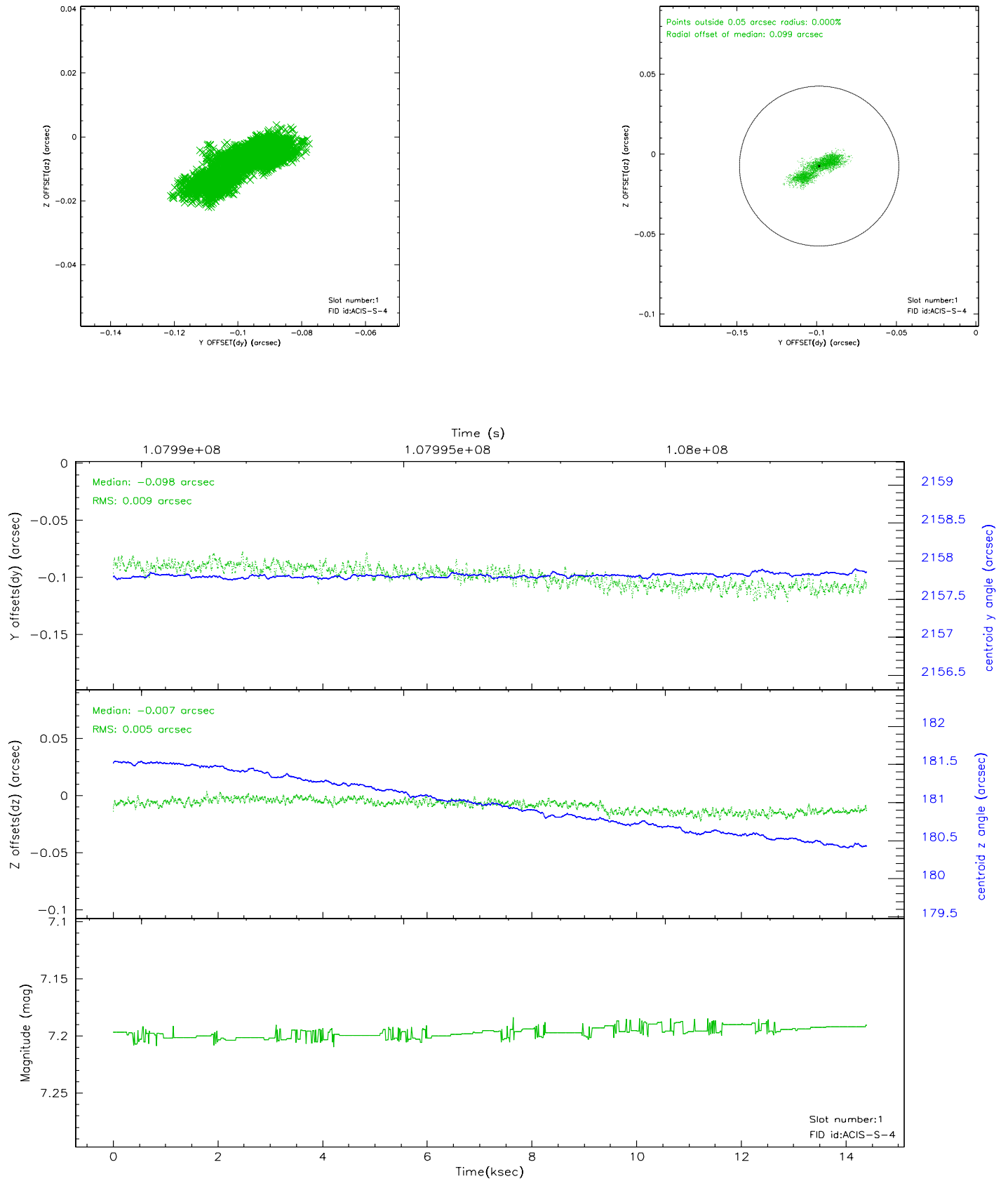


## 2.5 FID Slots

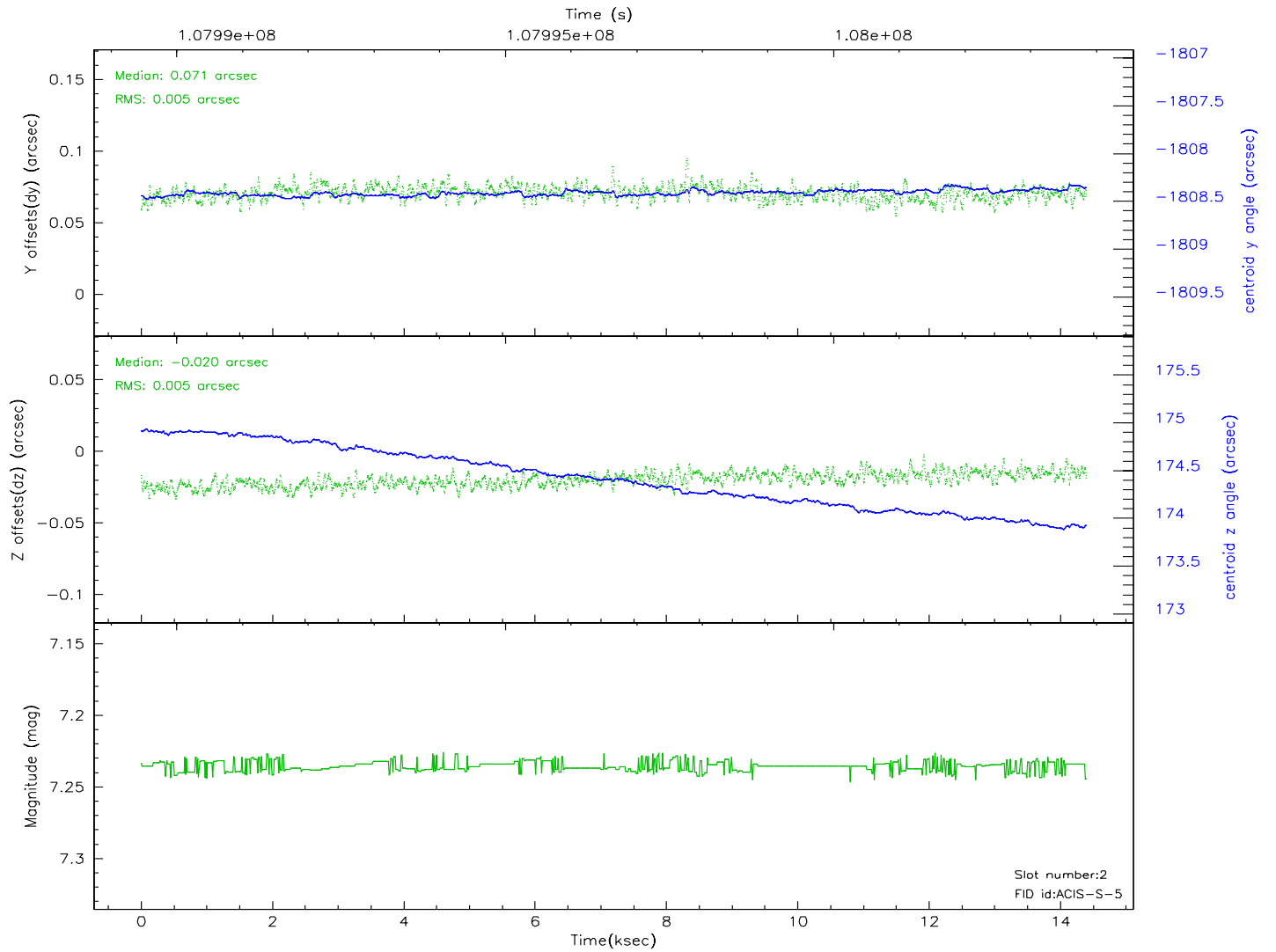
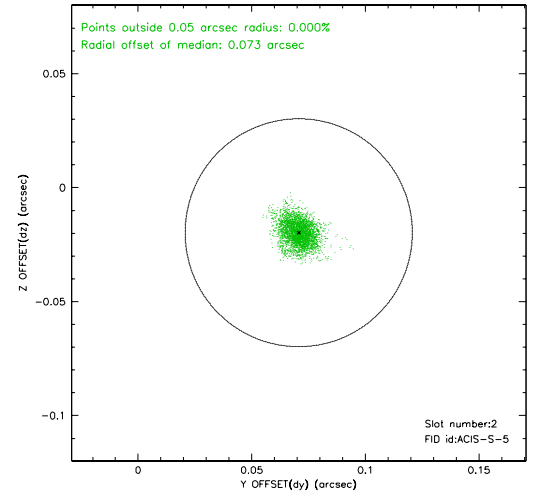
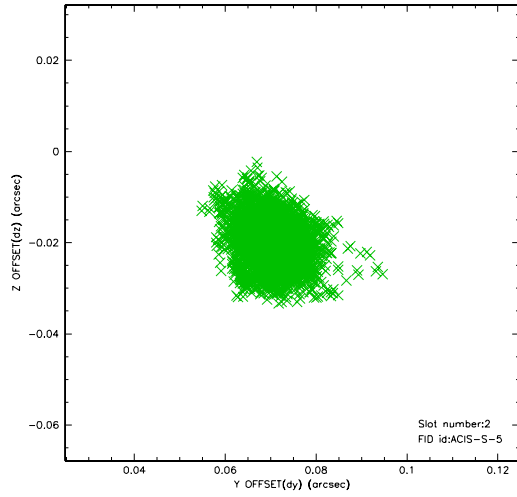
### 2.5.1 Slot 0



## 2.5.2 Slot 1

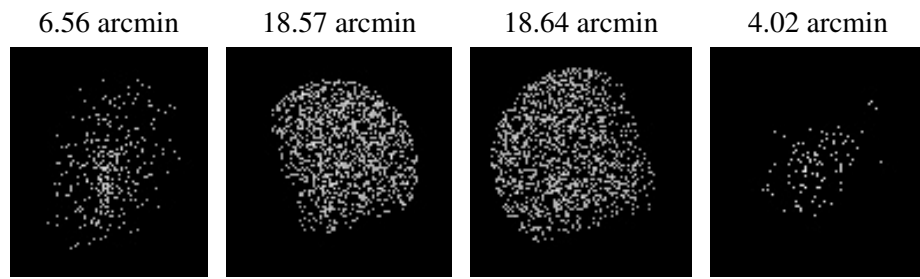


## 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.961

### A.2 Comments