

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3109 - L2 Version 001  
Chandra X-Ray Center

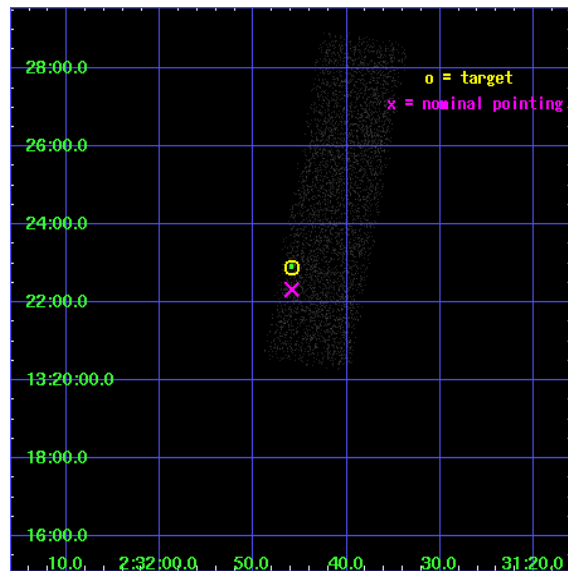
L2 Processing Date : Aug 29 2006

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# 1 Front

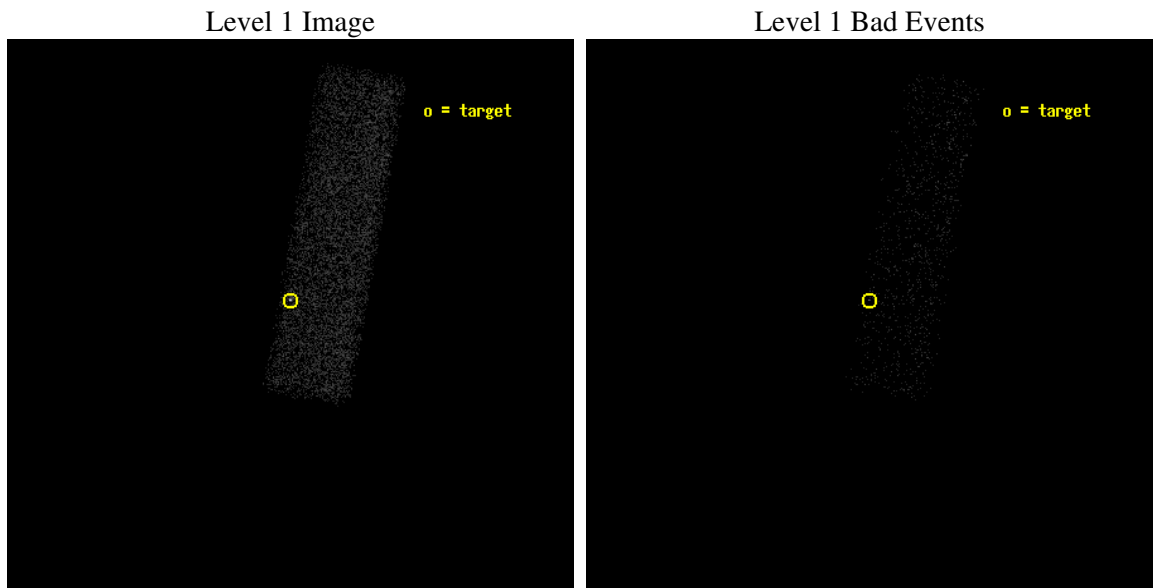
seq_num	700548
obs_id	3109
title	A COMPLETE SURVEY FOR X-RAY EMISSION FROM RADIO JETS
observer	Dr. Herman Marshall
object	0229+131
dtcycle	0
cycle	P
ra_targ	37.94125
dec_targ	13.381861
ra_nom	37.941242494172
dec_nom	13.37219995522
roll_nom	280.15661159832
revision	2
ontime	5687.9999788105
livetime	5410.4441917726
ontime7	5687.9999788105
l2events	5417



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-29T19:00:18
revision	2

sched_exp_time	5000.000000
ontime	5830.85569489
ontime7	5830.85569489
l1events	12245

### 2.1.4 Events

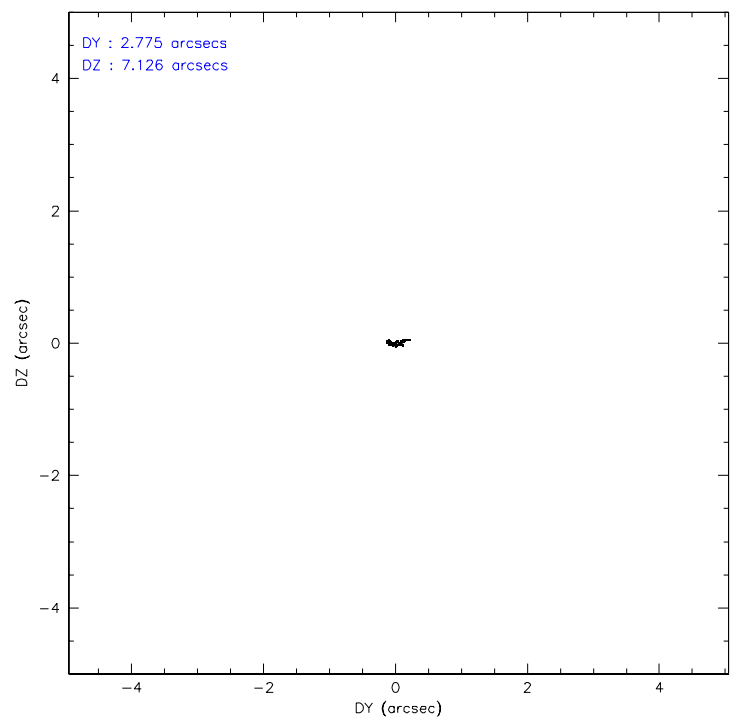
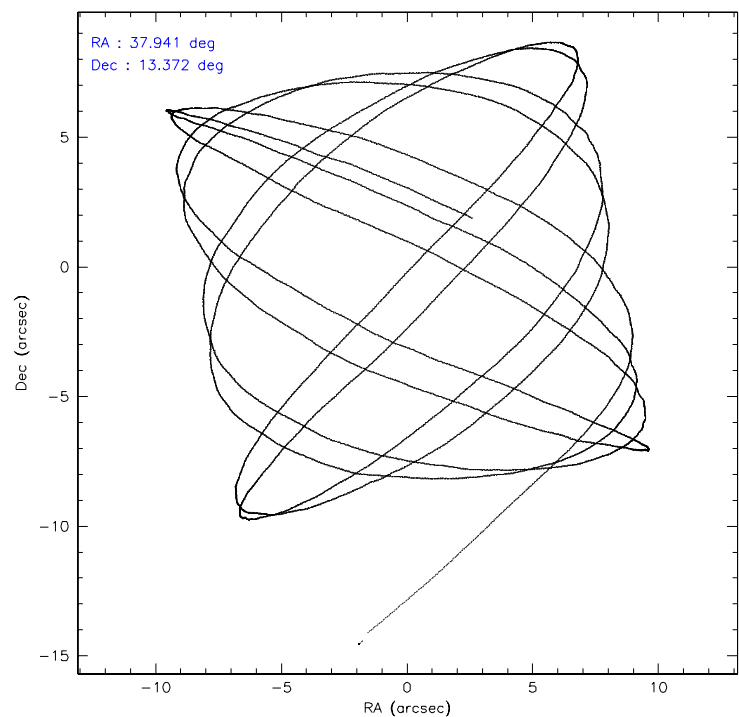
	<b>ccd 7</b>
level 1 events	12245
rejected events	6692
rejected %	54%

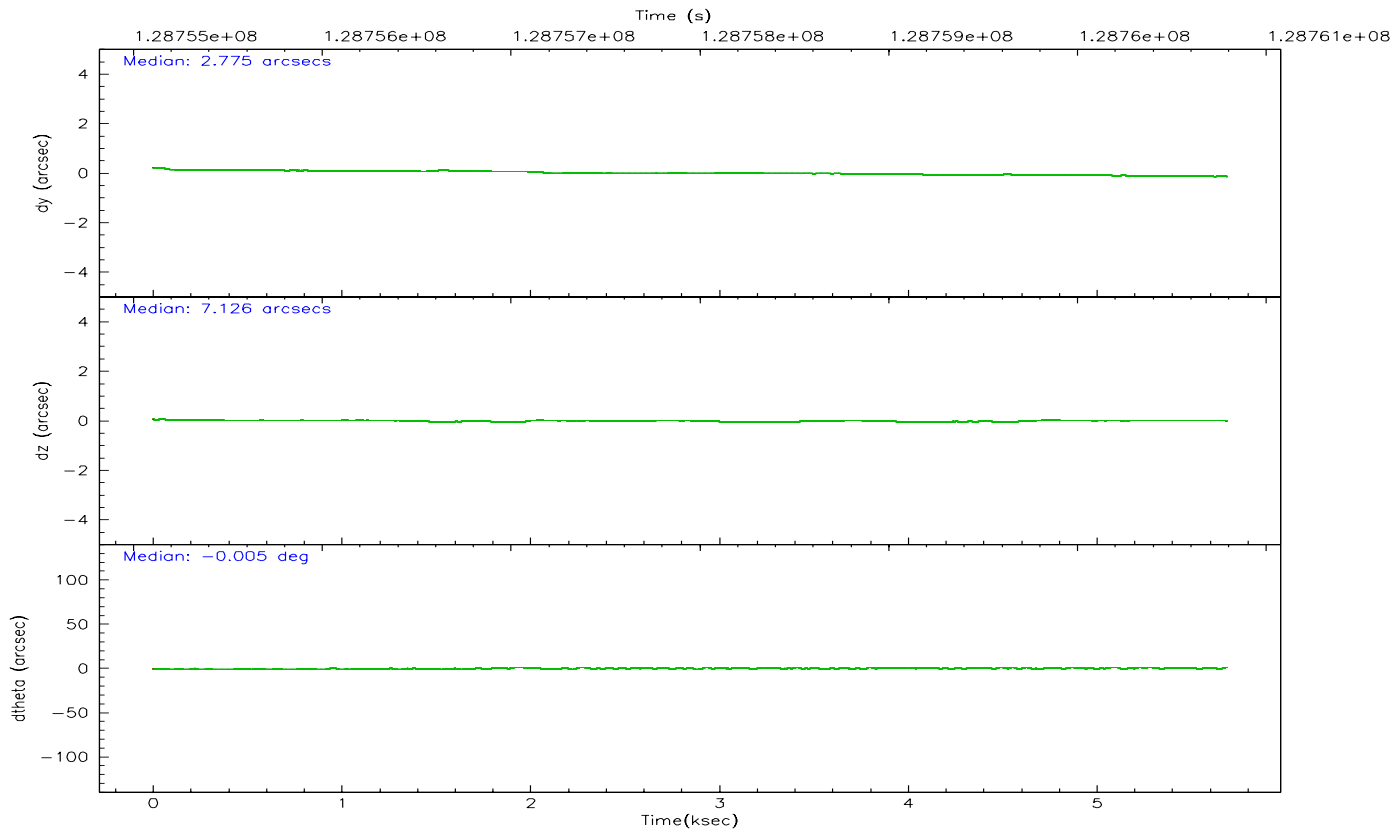
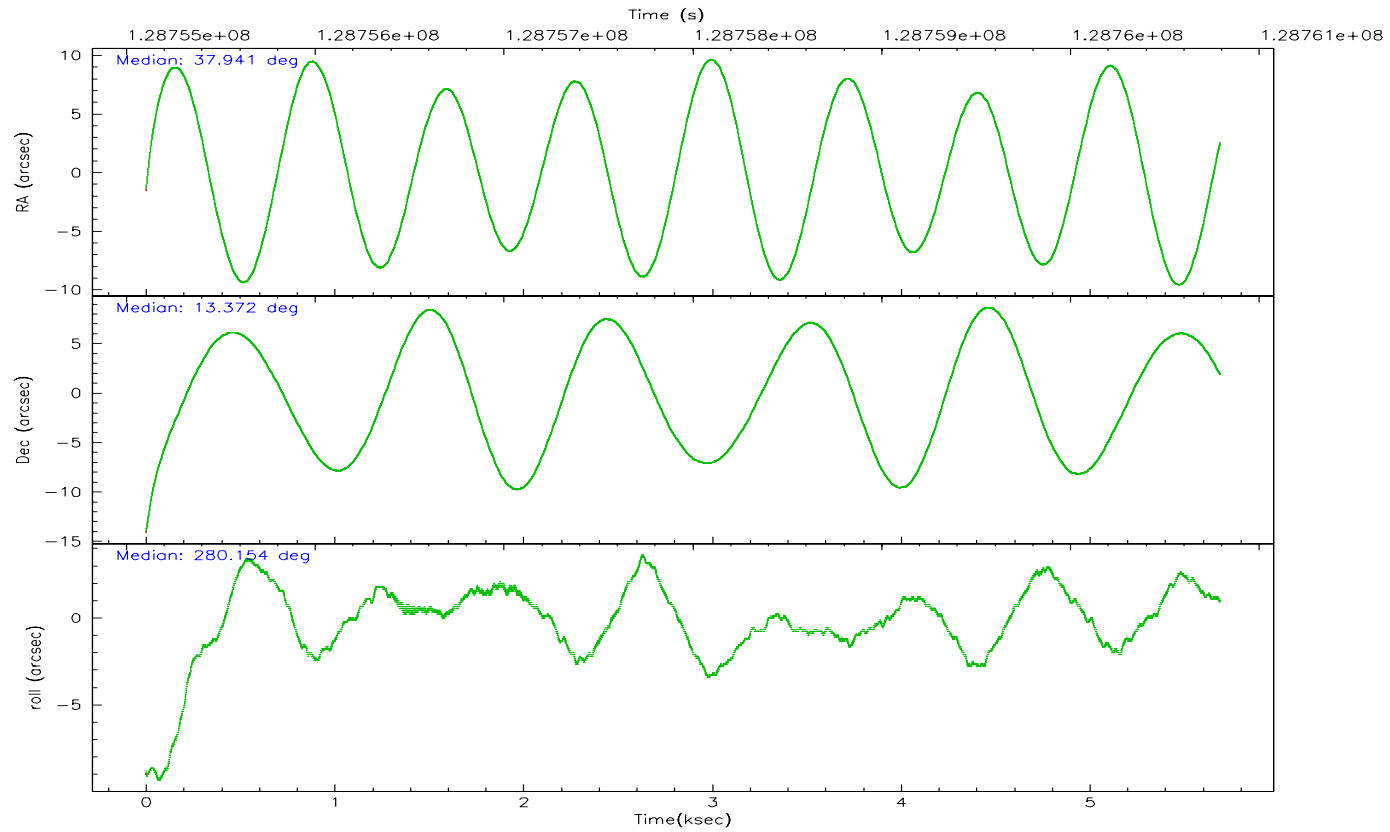
	<b>ccd 7</b>
grade 0 events	489
	3%
grade 1 events	10
	0%
grade 2 events	1230
	10%
grade 3 events	550
	4%
grade 4 events	527
	4%
grade 5 events	896
	7%
grade 6 events	2879
	23%
grade 7 events	5664
	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	CUSTOM	1/4
Pointing RA	37.922919	37.94124249417229	Subarray start row	1	1
Pointing Dec	13.392759	13.3721999552198	Subarray row count	256	256
Pointing Roll	280.004245	280.1566115983178	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.8
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-178.632523	-178.6370735452349			
SIM translation stage offset (mm)	-11.5	-11.49544903777291			
Observation start time	128755792.184000	128754580.1134			
Observation start date	2002-01-30T05:28:48	2002-01-30T05:09:40			
Observation end time	128760792.184000	128761197.51367			
Observation end date	2002-01-30T06:52:08	2002-01-30T06:59:57			
Read mode	TIMED	TIMED			

### 2.3 Aspect





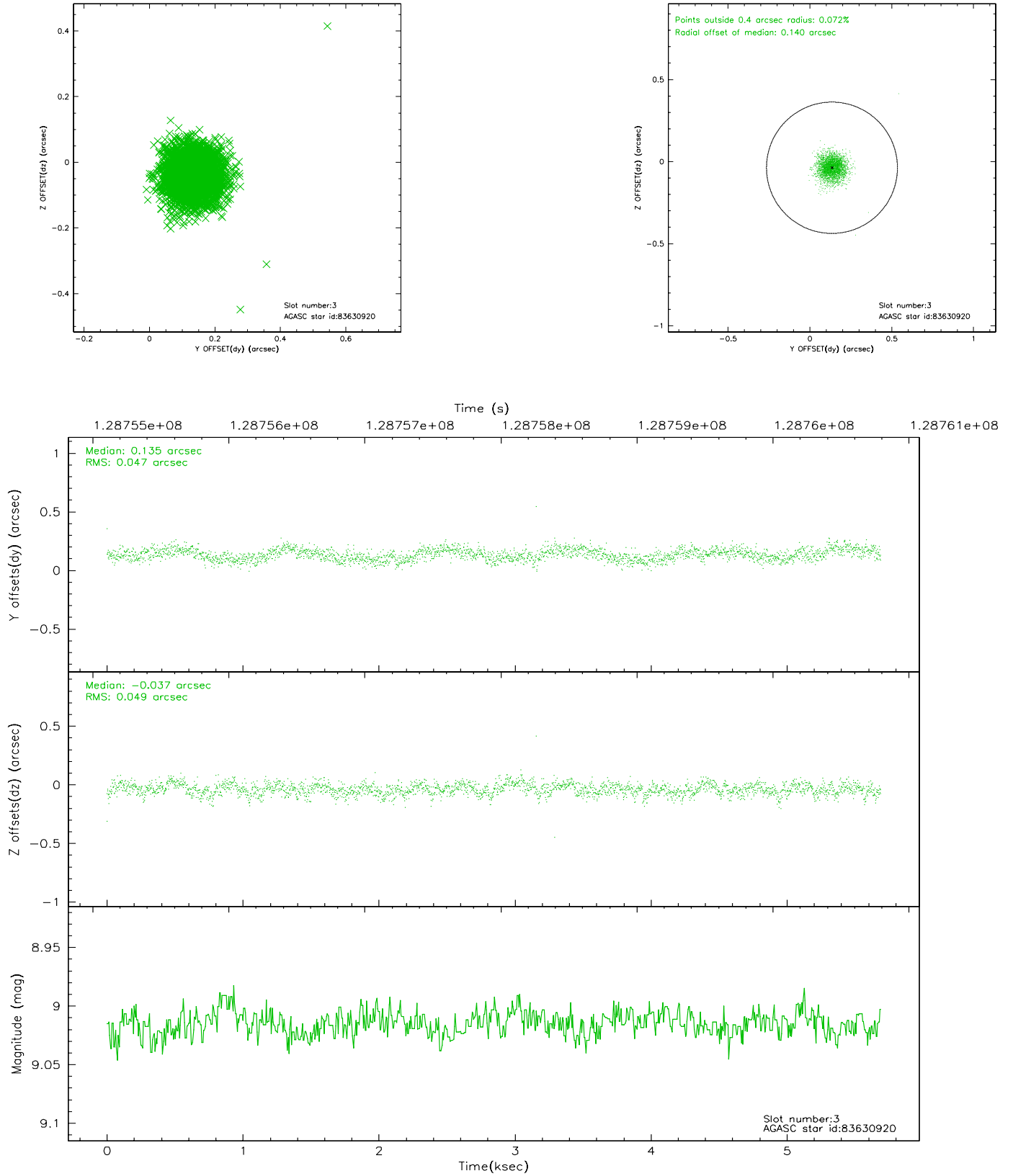
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	1389	-0.057	-0.266	0.007	0.012	0.000000	0.000000	-754.60	-1965.21
1	FID	ACIS-S-4	7.17	1389	-0.053	0.098	0.005	0.008	0.000000	0.000000	2158.19	-57.60
2	FID	ACIS-S-5	7.23	1389	0.078	0.175	0.007	0.010	0.000000	0.000000	-1805.97	-62.70
3	GUIDE	83630920	9.02	2776	0.135	-0.037	0.072	0.115	37.699157	13.429672	-266.39	-748.69
4	GUIDE	84544848	8.93	2777	0.018	0.109	0.075	0.122	38.317166	13.594574	-476.44	1484.43
5	GUIDE	84550016	9.36	2776	0.191	0.165	0.115	0.170	38.335552	12.847570	2183.84	1085.95
6	GUIDE	83624968	8.83	2777	-0.280	-0.267	0.086	0.137	37.143249	13.876501	-2191.41	-2380.44
7	GUIDE	83630888	9.03	2776	-0.064	0.038	0.068	0.110	37.731591	13.959681	-2126.51	-305.08

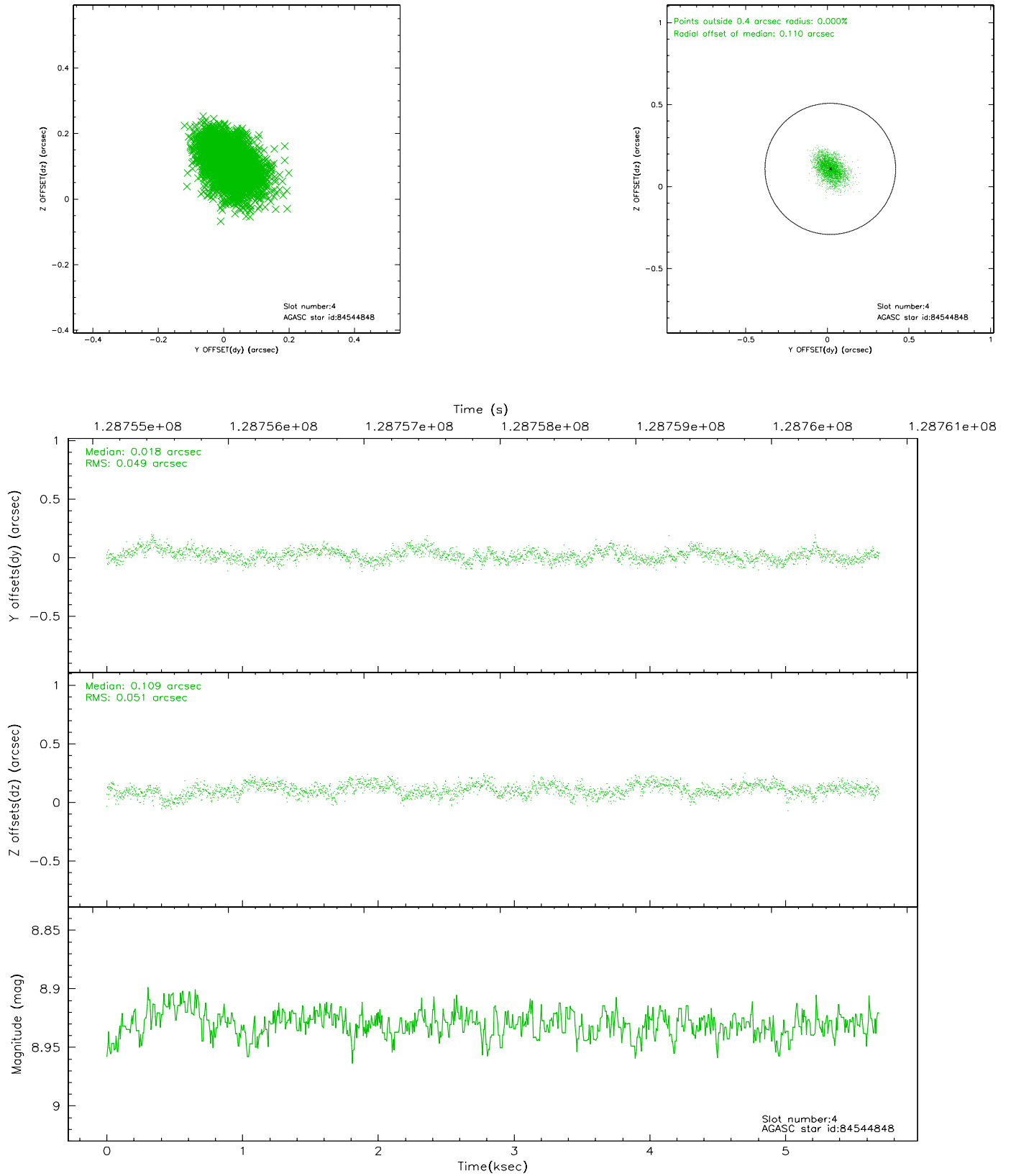


## 2.4 Star Slots

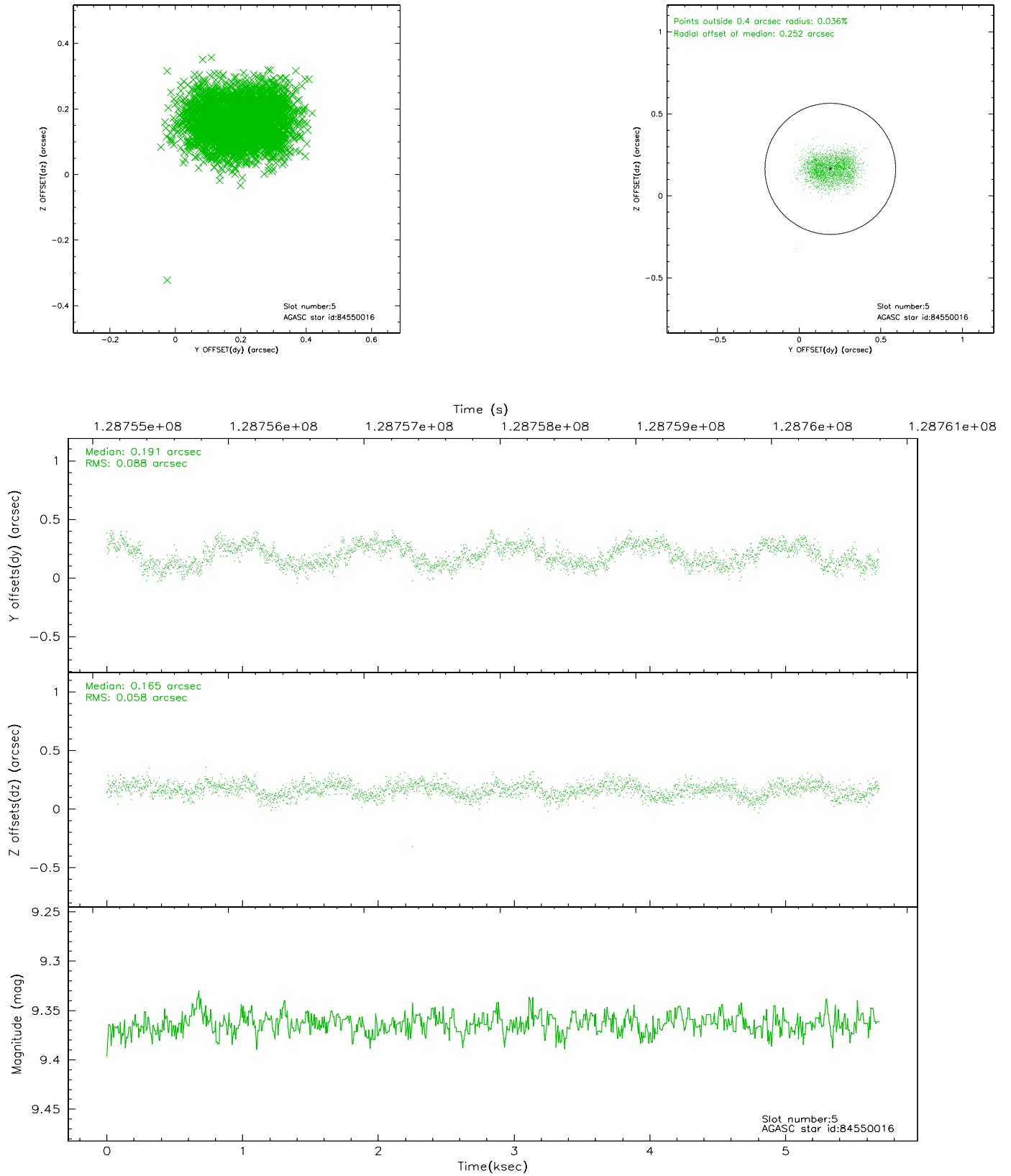
### 2.4.1 Slot 3



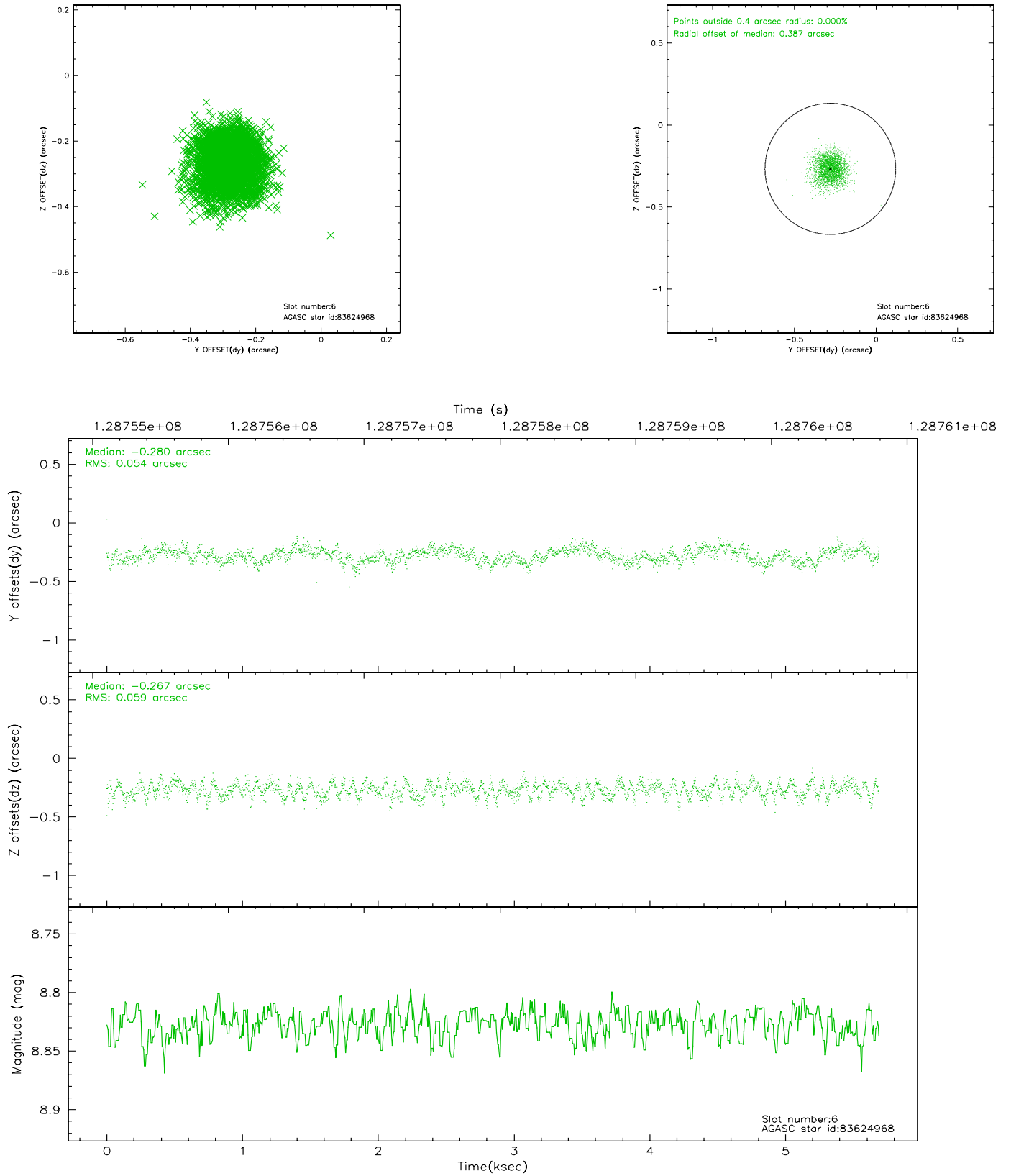
## 2.4.2 Slot 4



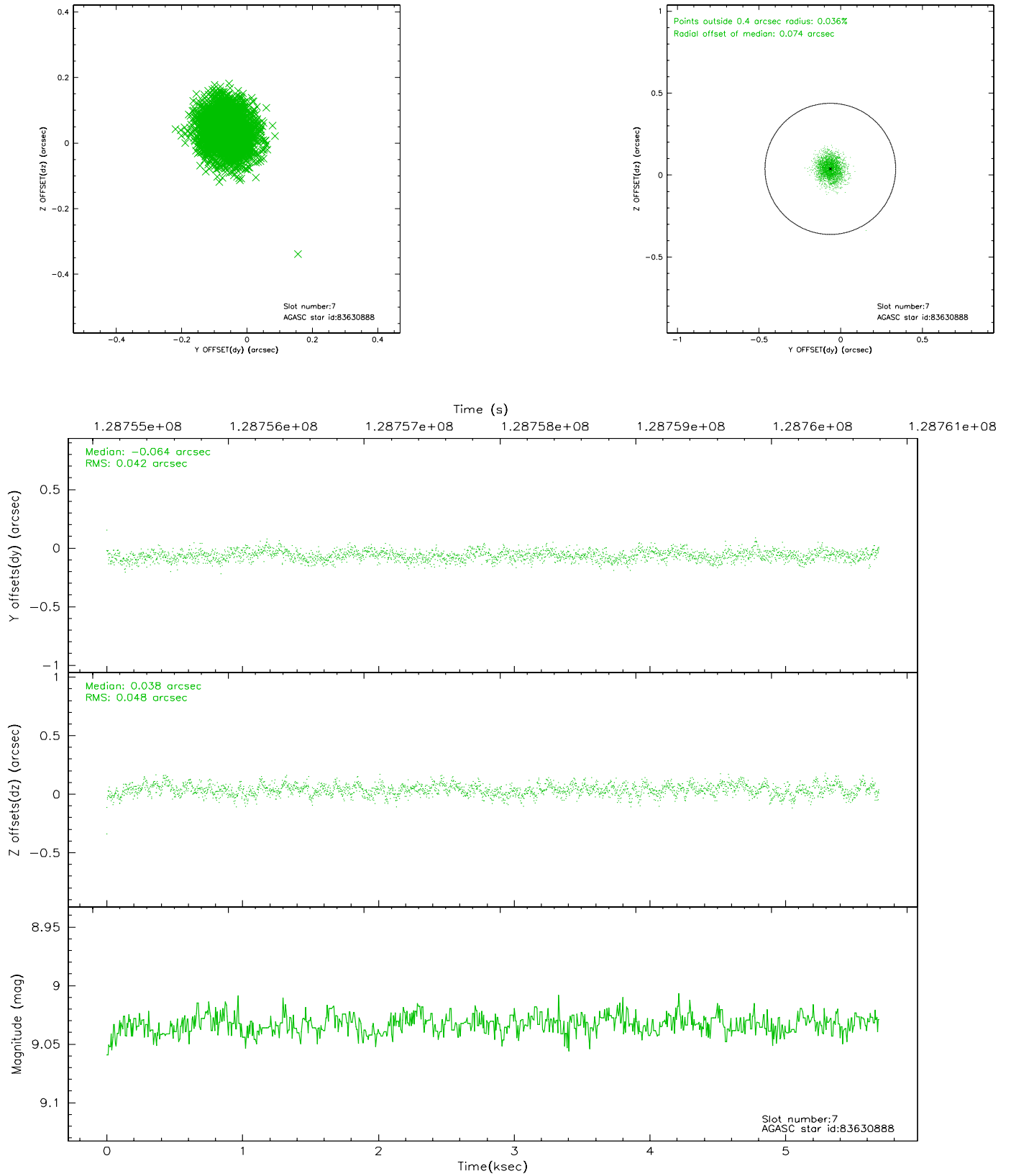
### 2.4.3 Slot 5



## 2.4.4 Slot 6

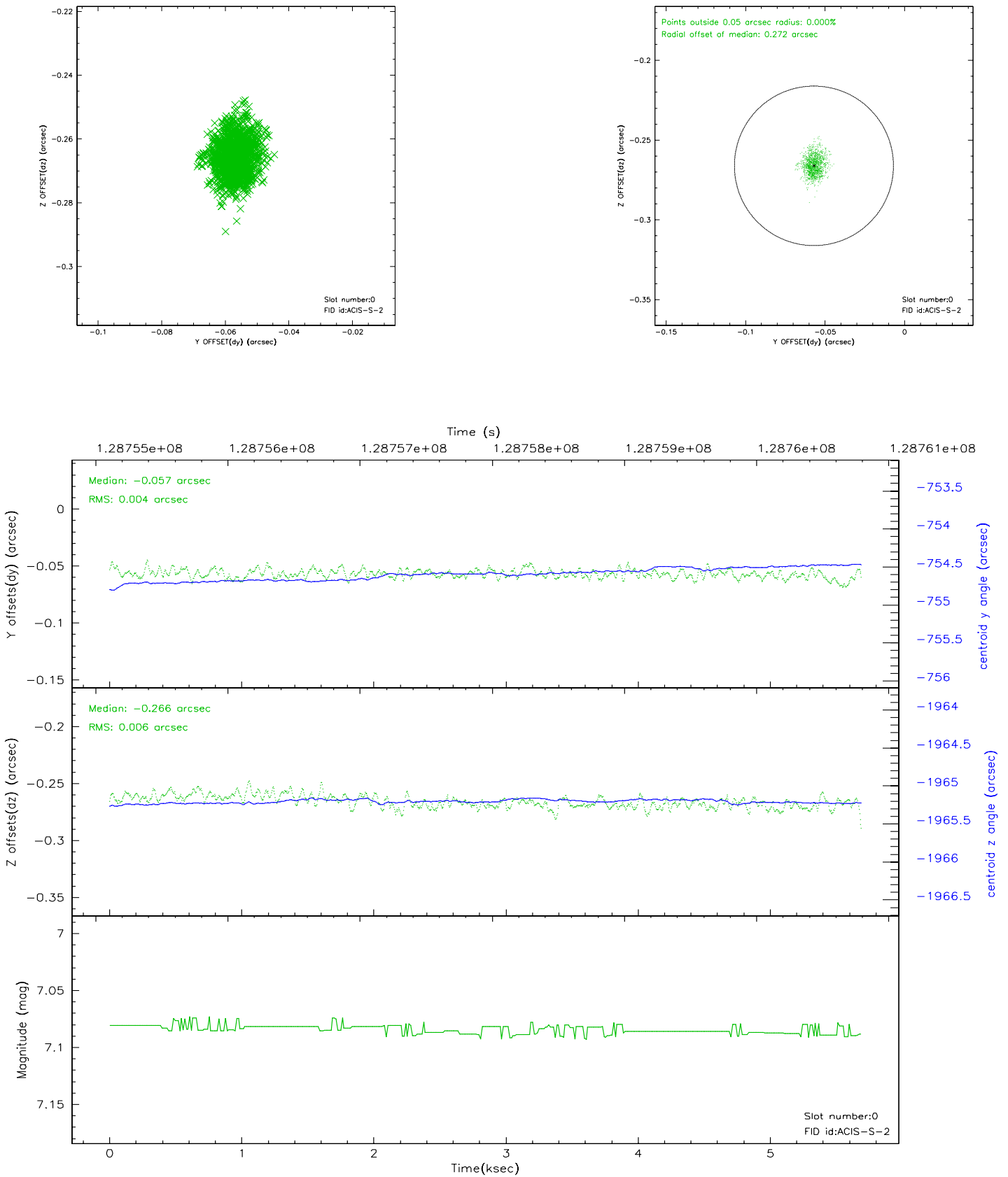


## 2.4.5 Slot 7

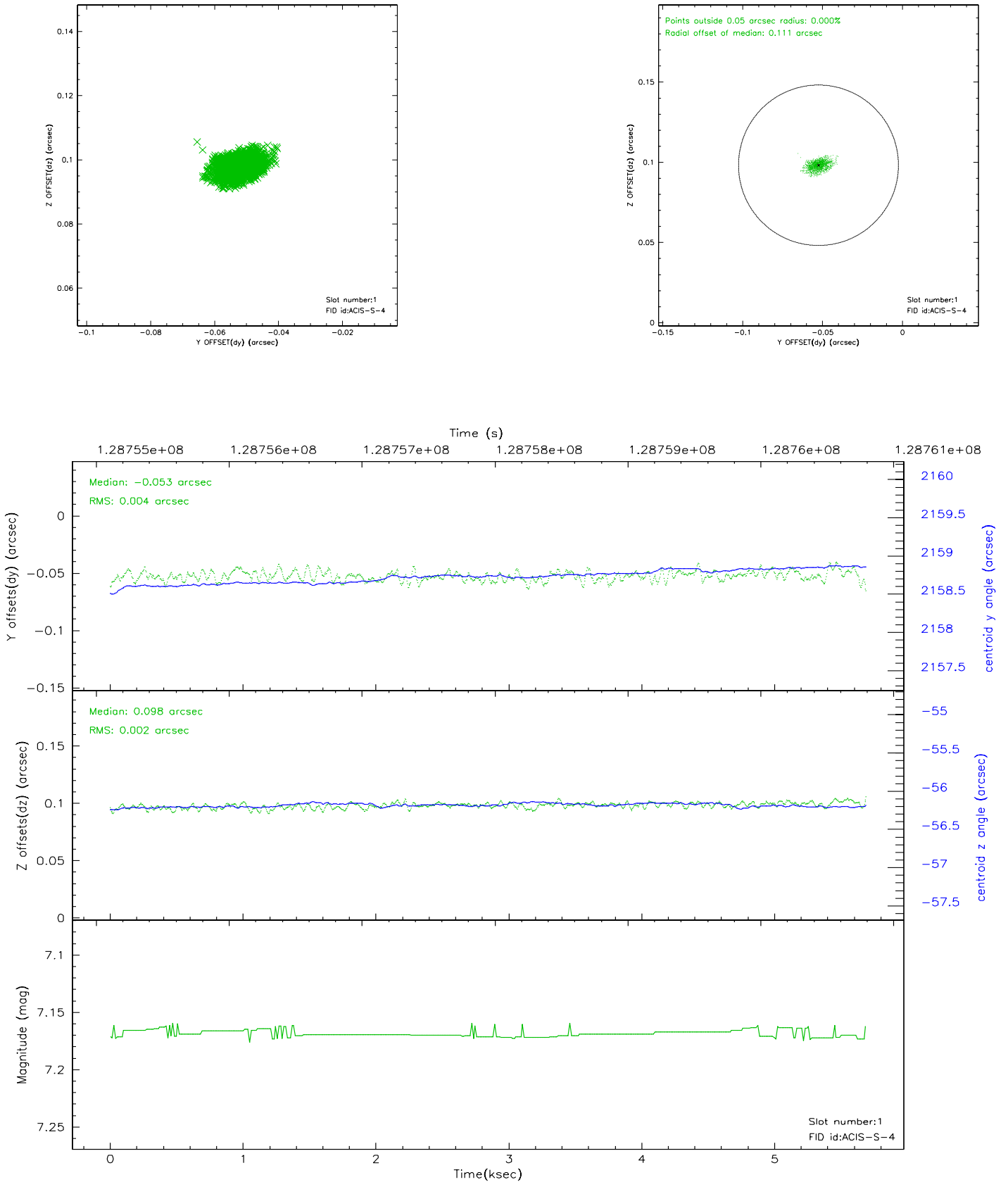


## 2.5 FID Slots

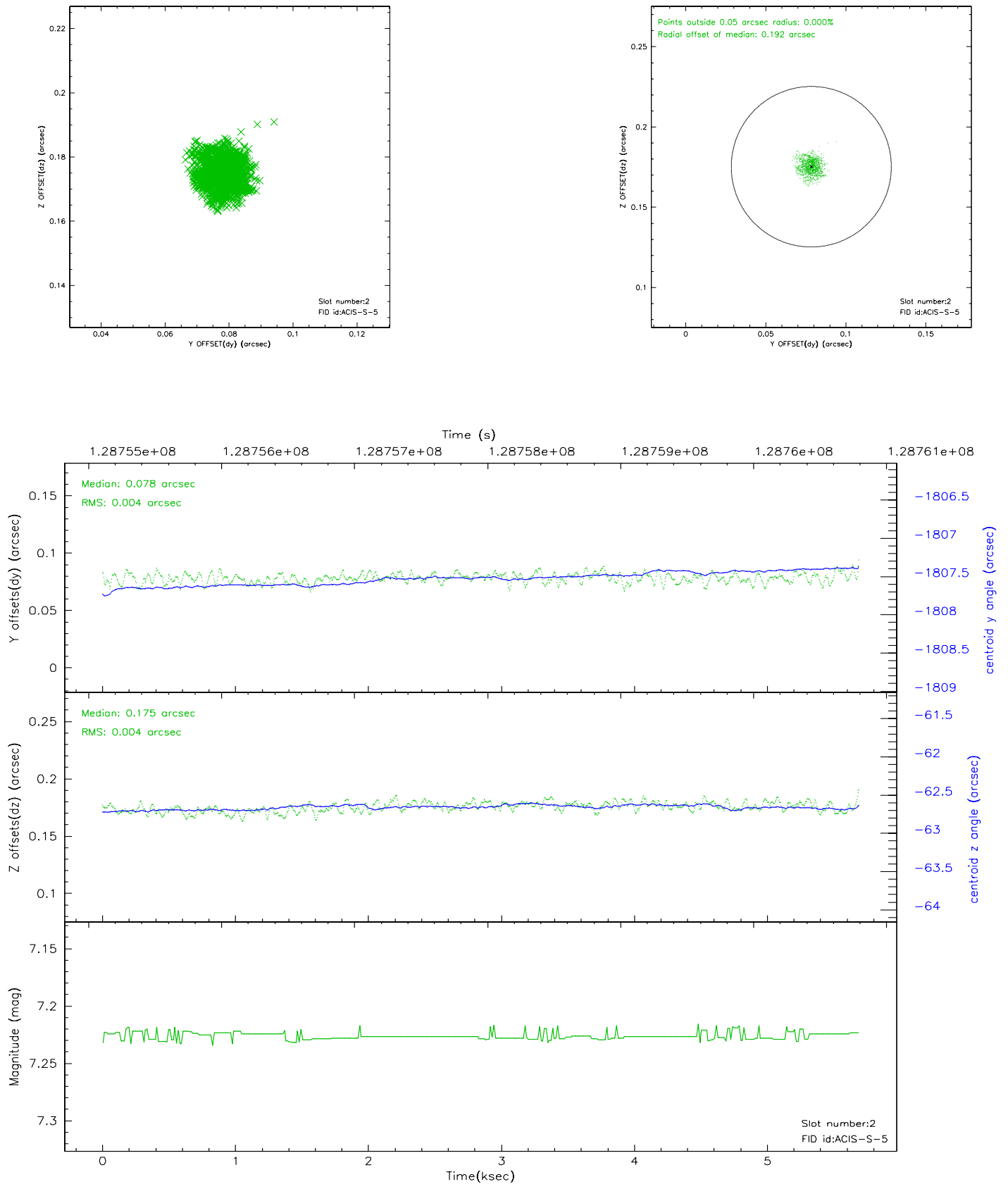
### 2.5.1 Slot 0



## 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)	2006.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.687

### A.2 Comments

Roll preference not met, just outside the 210+/- 70 degree range.