

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3979 - L2 Version 001  
Chandra X-Ray Center

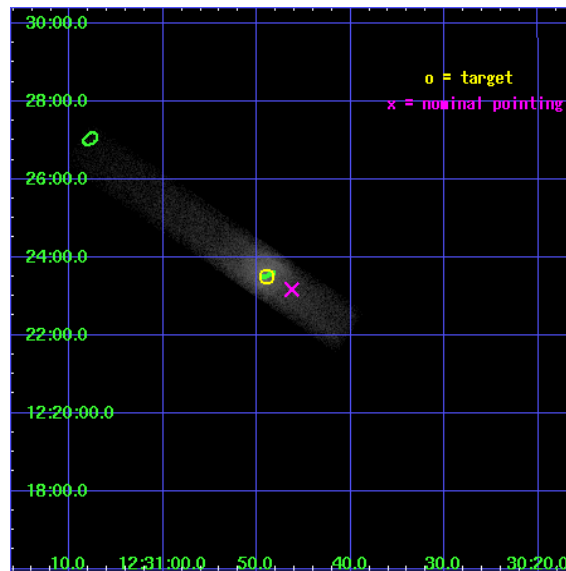
L2 Processing Date : Aug 4 2006

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# 1 Front

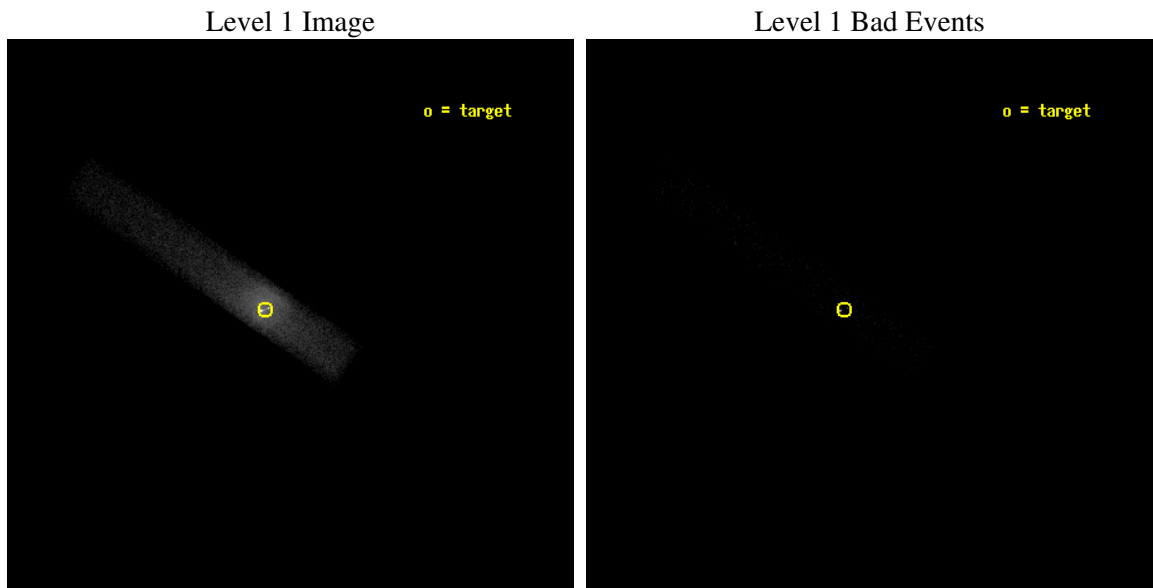
seq_num	700658
obs_id	3979
title	X-RAY VARIABILITY IN THE JET AND CORE OF M87
observer	Dr. Daniel Harris
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.69286490668
dec_nom	12.38614180752
roll_nom	214.29615134397
revision	2
ontime	4953.2000738084
livetime	4492.2910156071
ontime7	4953.2000738084
l2events	55261



## 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	3.2.2
date	2006-08-04T17:40:54
revision	2

sched_exp_time	5100.000000
ontime	4954.151409328
ontime7	4954.151409328
l1events	59793

### 2.1.4 Events

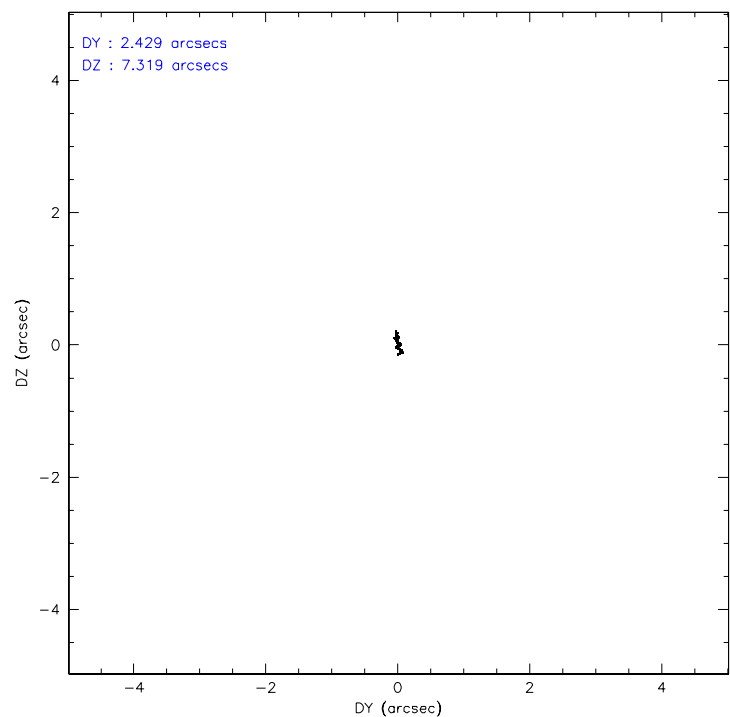
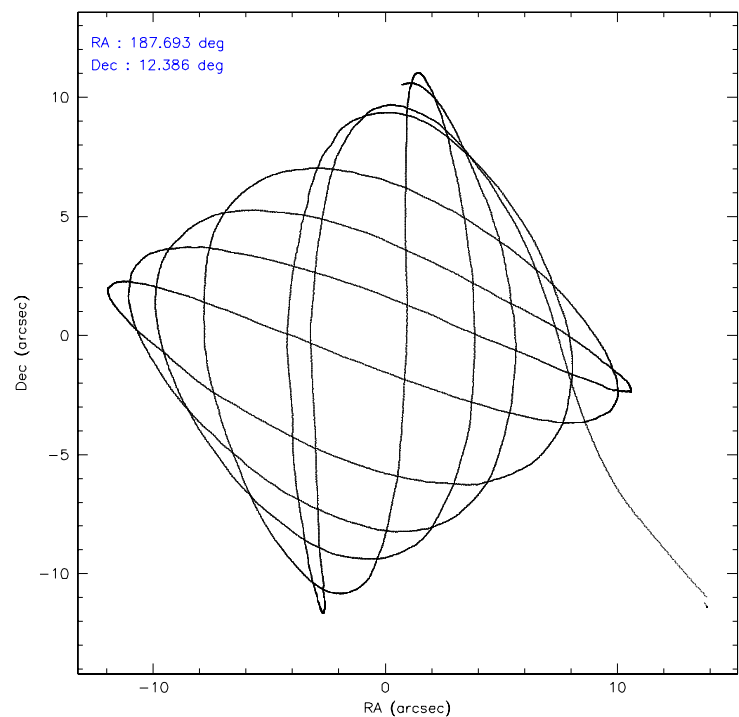
	<b>ccd 7</b>
level 1 events	59793
rejected events	3994
rejected %	6%

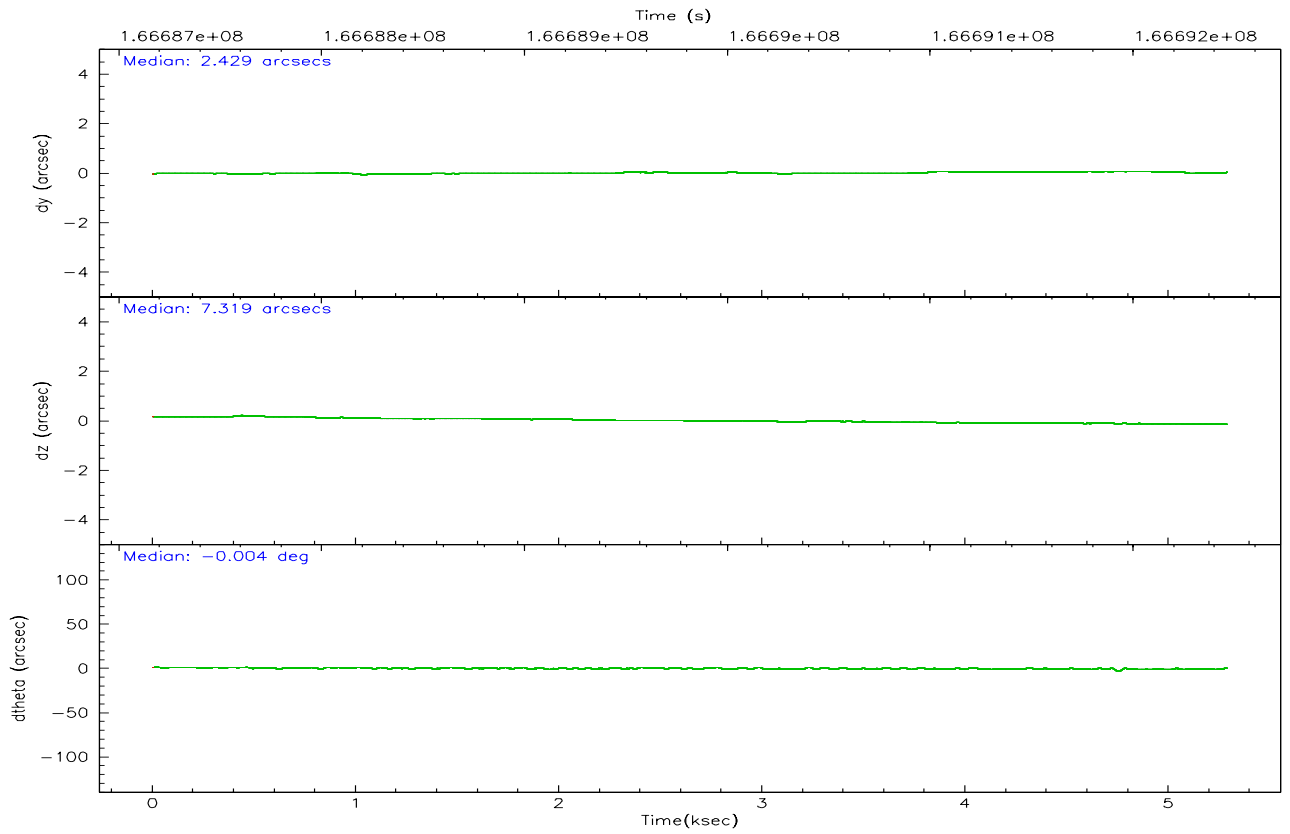
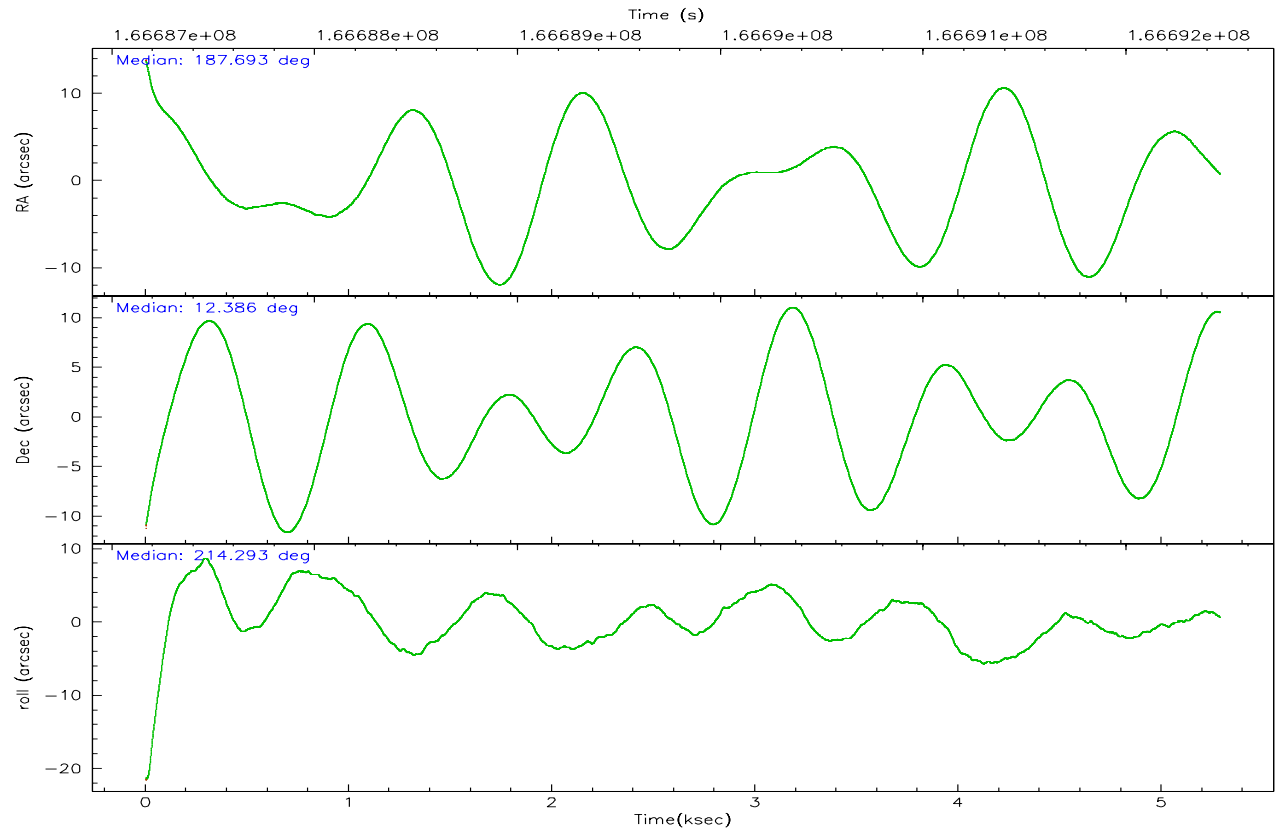
	<b>ccd 7</b>
grade 0 events	17400
	29%
grade 1 events	123
	0%
grade 2 events	15130
	25%
grade 3 events	6318
	10%
grade 4 events	6215
	10%
grade 5 events	889
	1%
grade 6 events	10747
	17%
grade 7 events	2971
	4%

## 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	1/8	1/8
Pointing RA	187.704482	187.6928649066766	Subarray start row	0	449
Pointing Dec	12.410805	12.38614180751987	Subarray row count	1024	128
Pointing Roll	214.137072	214.2961513439697	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
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	166687360.184000	166686414.32963			
Observation start date	2003-04-14T06:01:36	2003-04-14T05:46:54			
Observation end time	166692460.184000	166694002.91745			
Observation end date	2003-04-14T07:26:36	2003-04-14T07:53:22			
Read mode	TIMED	TIMED			

## 2.3 Aspect





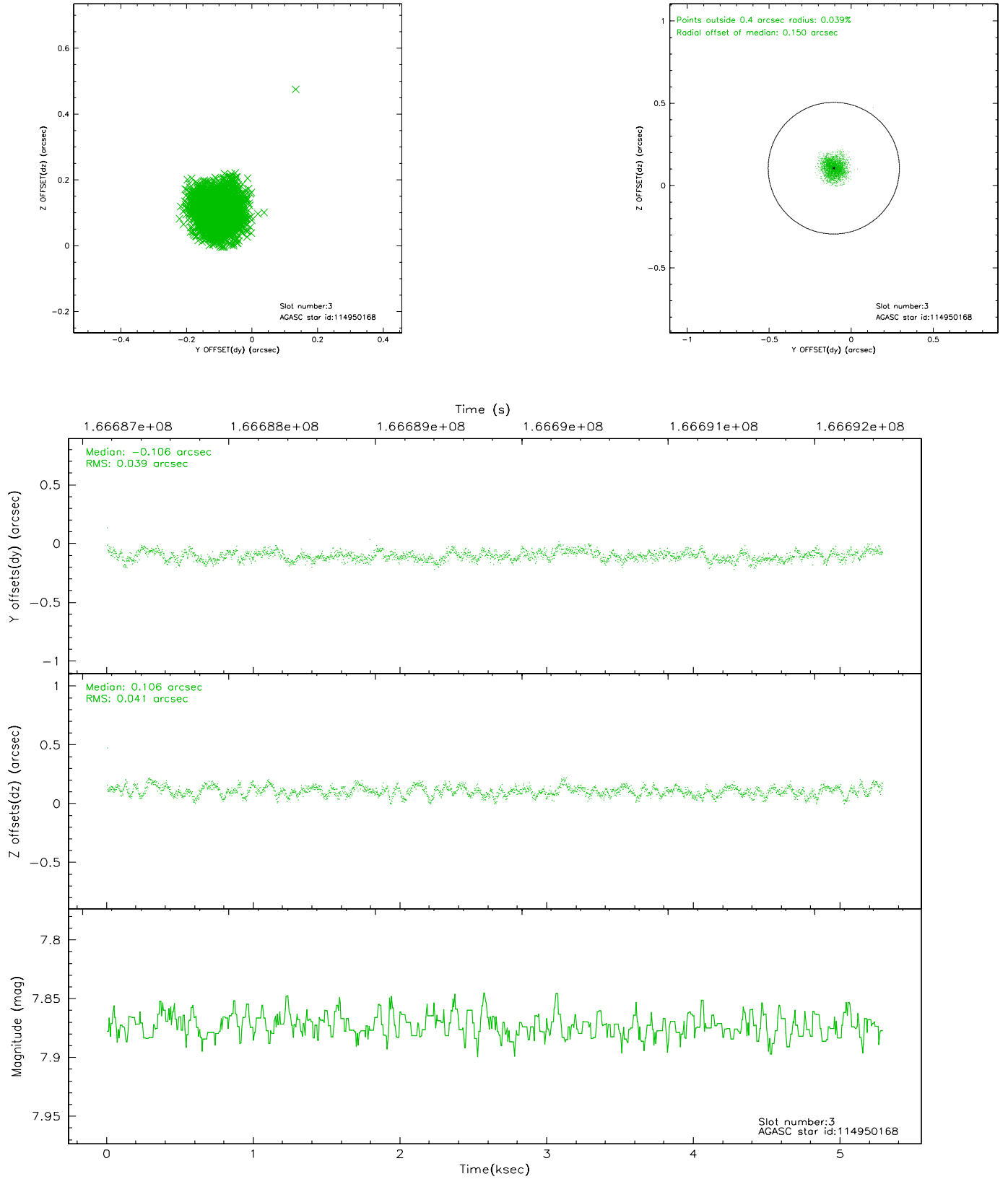
### Slot Statistics

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	1290	-0.014	0.018	0.008	0.013	0.000000	0.000000	-755.07	-1728.49
1	FID	ACIS-S-4	7.21	1290	-0.057	0.002	0.005	0.010	0.000000	0.000000	2157.64	178.80
2	FID	ACIS-S-5	7.24	1290	0.040	-0.011	0.007	0.011	0.000000	0.000000	-1806.39	173.75
3	GUIDE	114950168	7.87	2580	-0.106	0.106	0.060	0.095	187.143398	12.117441	2226.73	-235.77
4	GUIDE	114950584	9.21	2580	-0.063	-0.060	0.076	0.123	187.487323	11.827248	1813.61	1308.89
5	GUIDE	114952792	9.49	2567	-0.010	-0.012	0.118	0.189	187.070263	12.344747	1979.83	-1056.71
6	GUIDE	114952824	8.58	2579	0.056	0.029	0.065	0.106	187.703904	12.486727	-150.08	-228.04
7	GUIDE	114955056	8.31	2573	0.129	-0.060	0.063	0.103	187.914001	12.127854	-38.21	1256.29

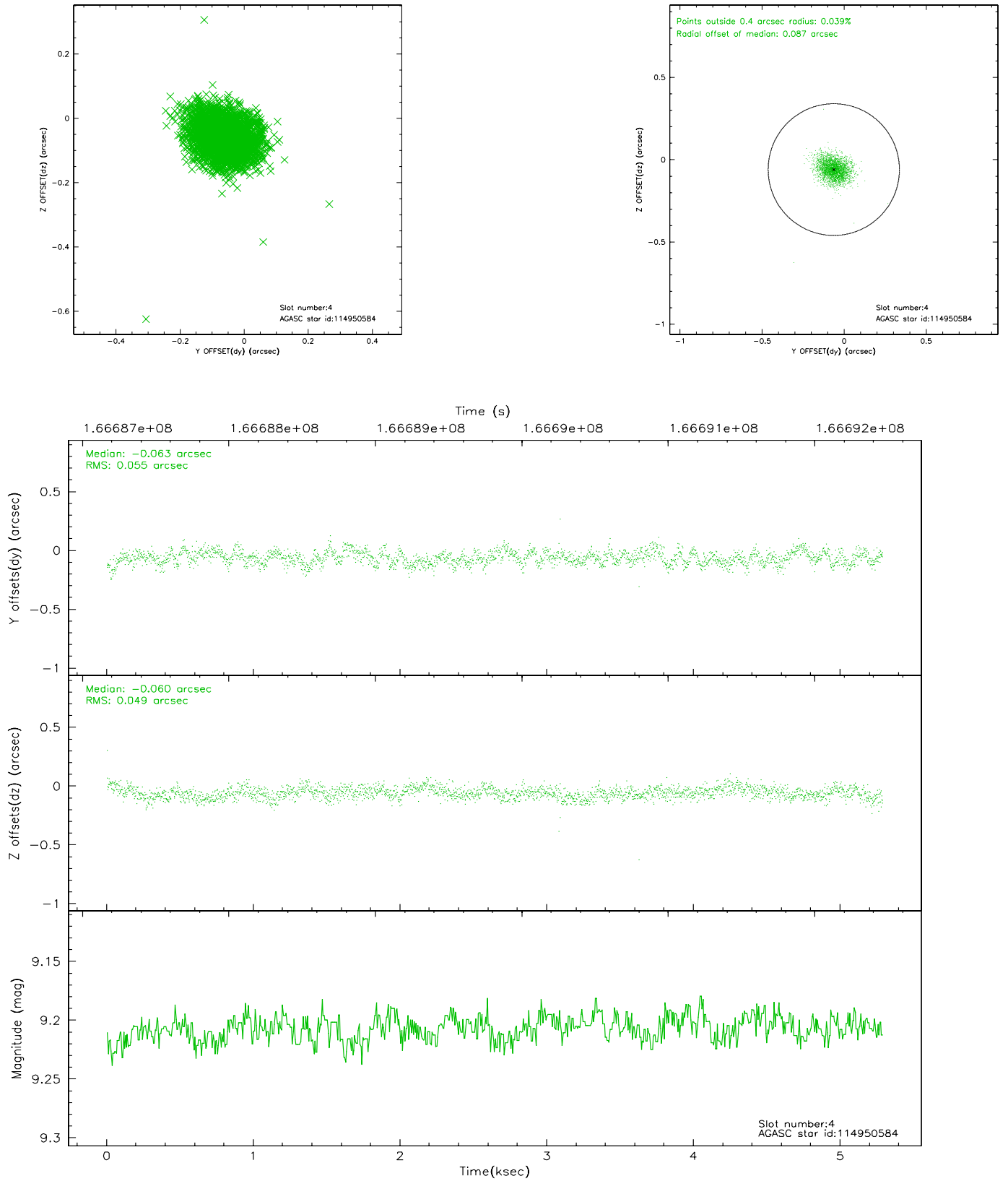


## 2.4 Star Slots

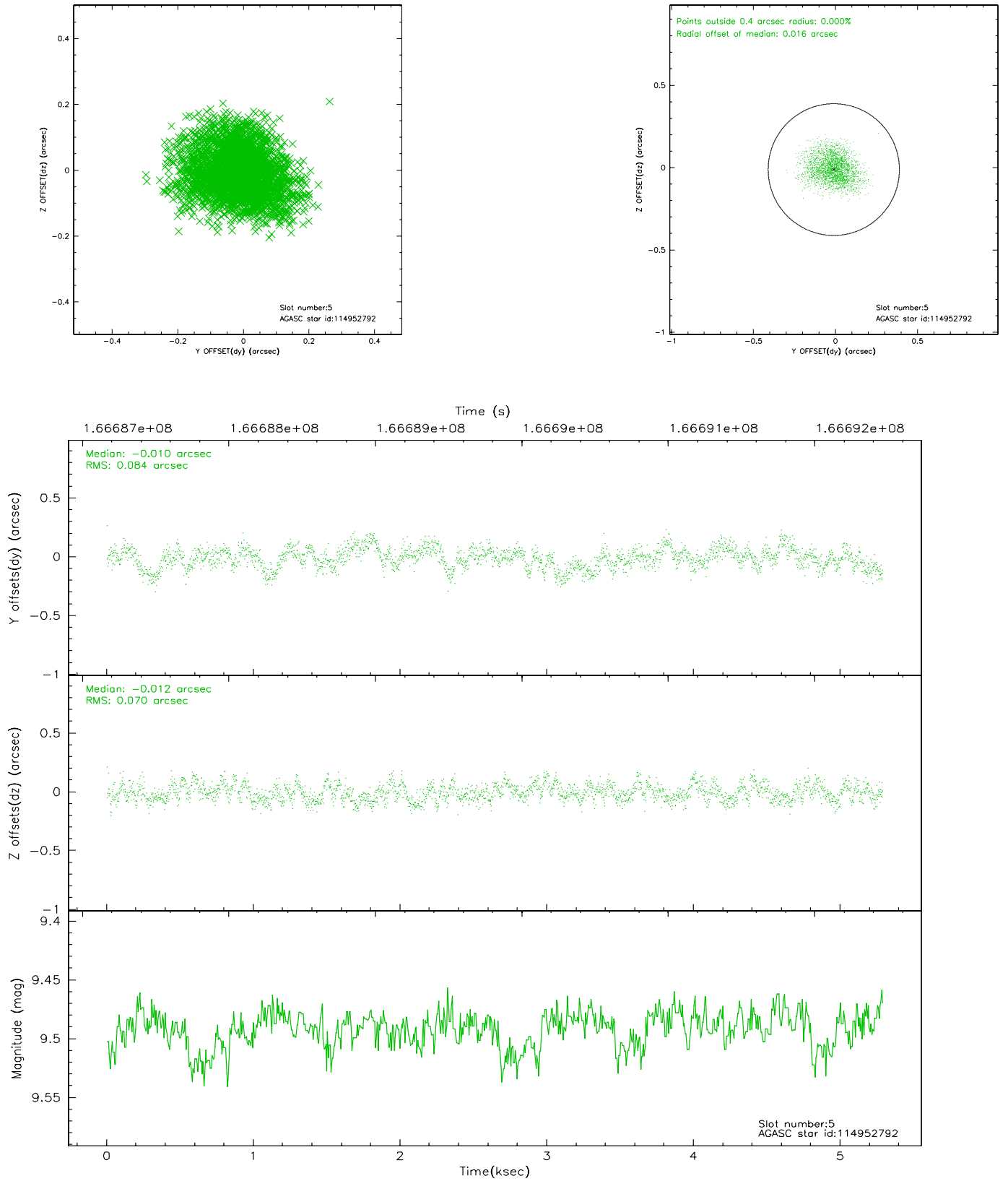
### 2.4.1 Slot 3



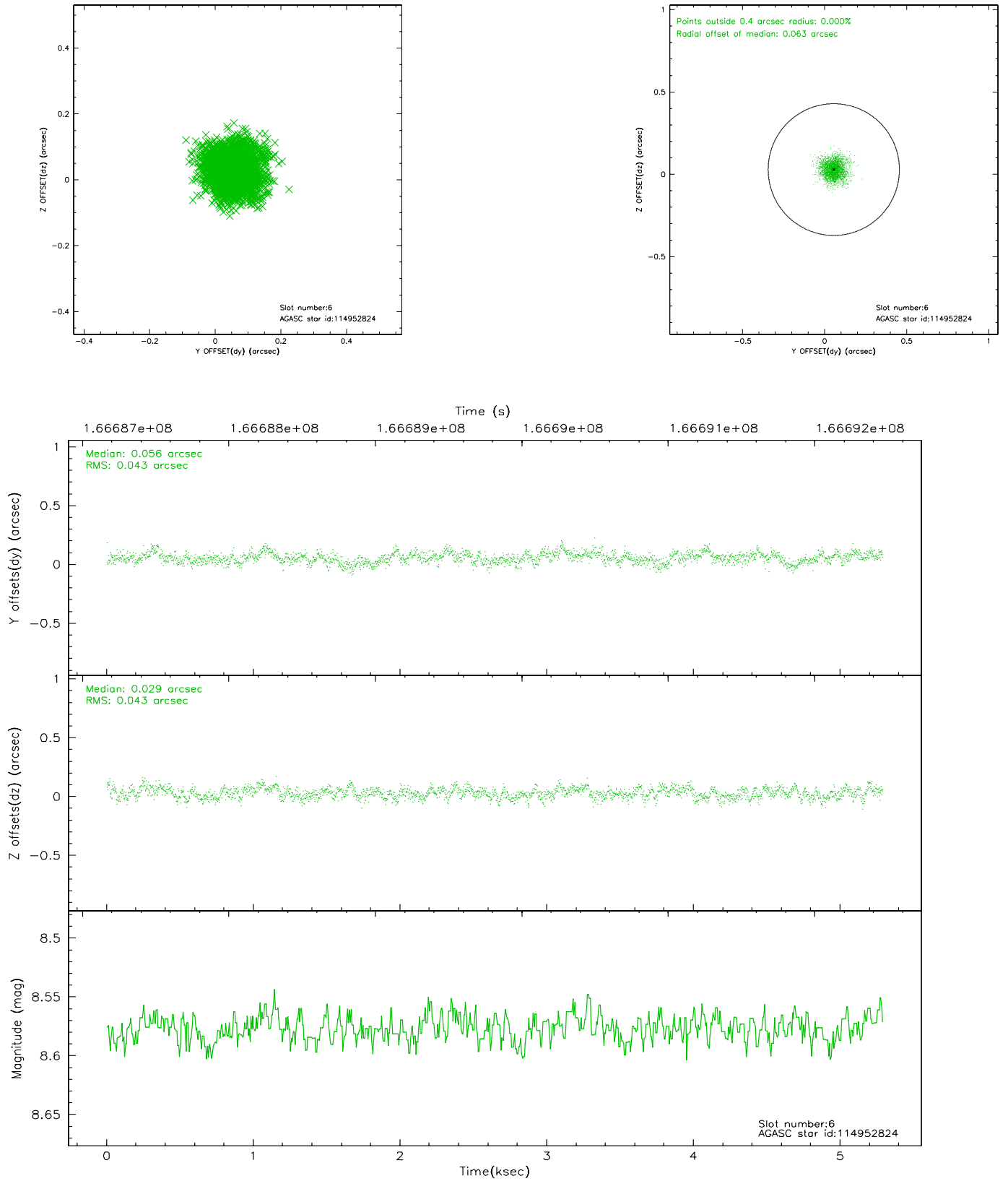
## 2.4.2 Slot 4



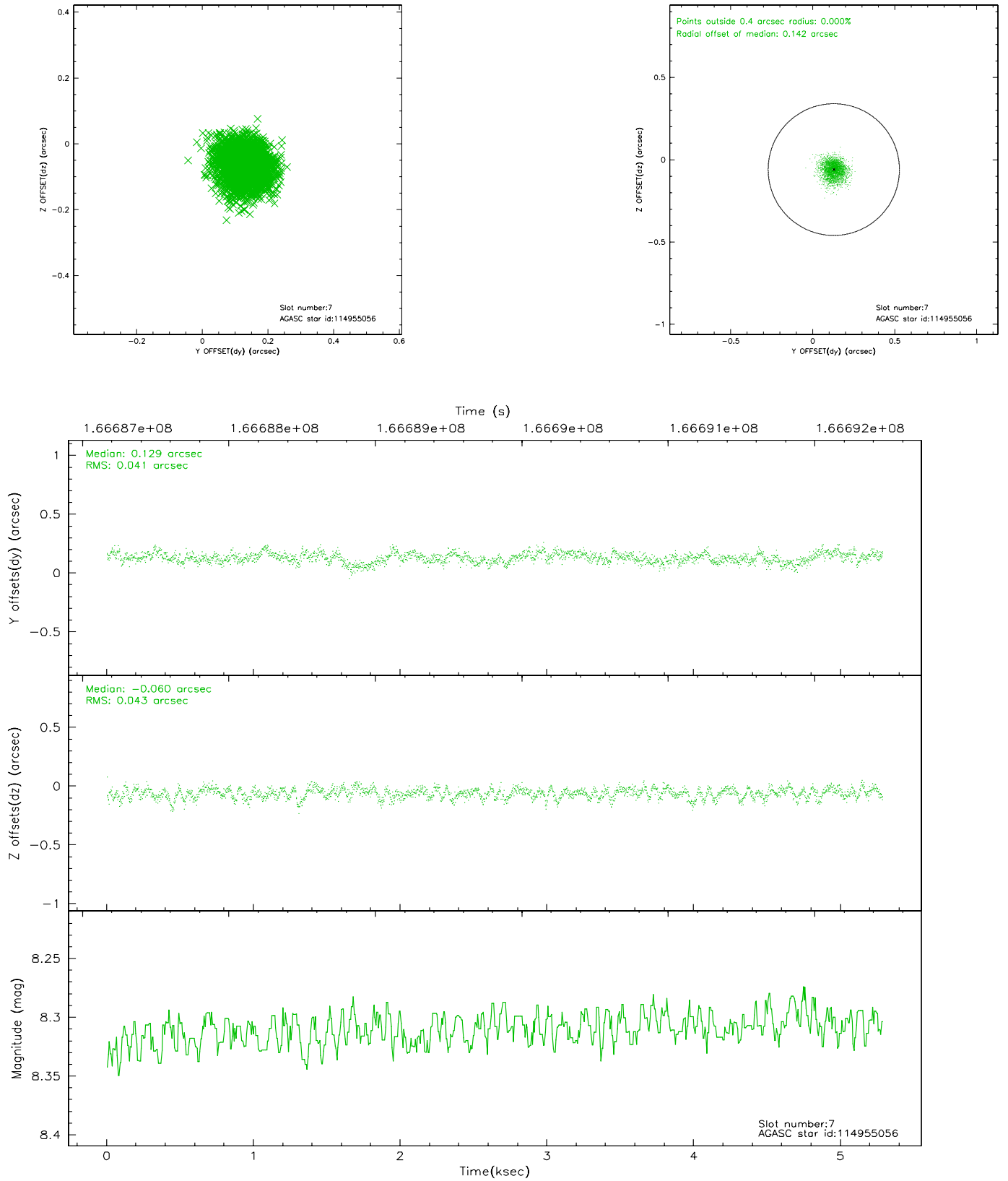
### 2.4.3 Slot 5



## 2.4.4 Slot 6

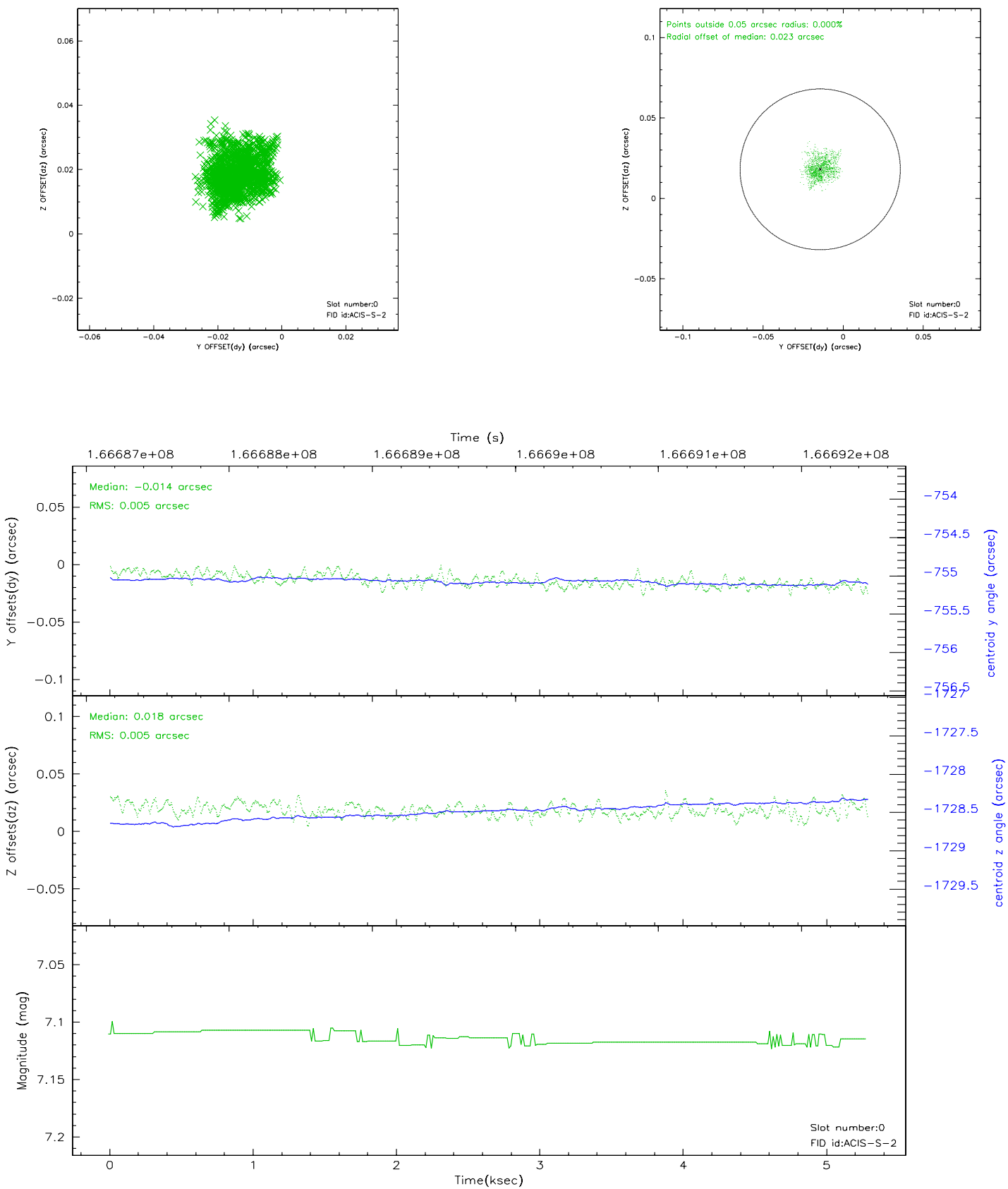


## 2.4.5 Slot 7

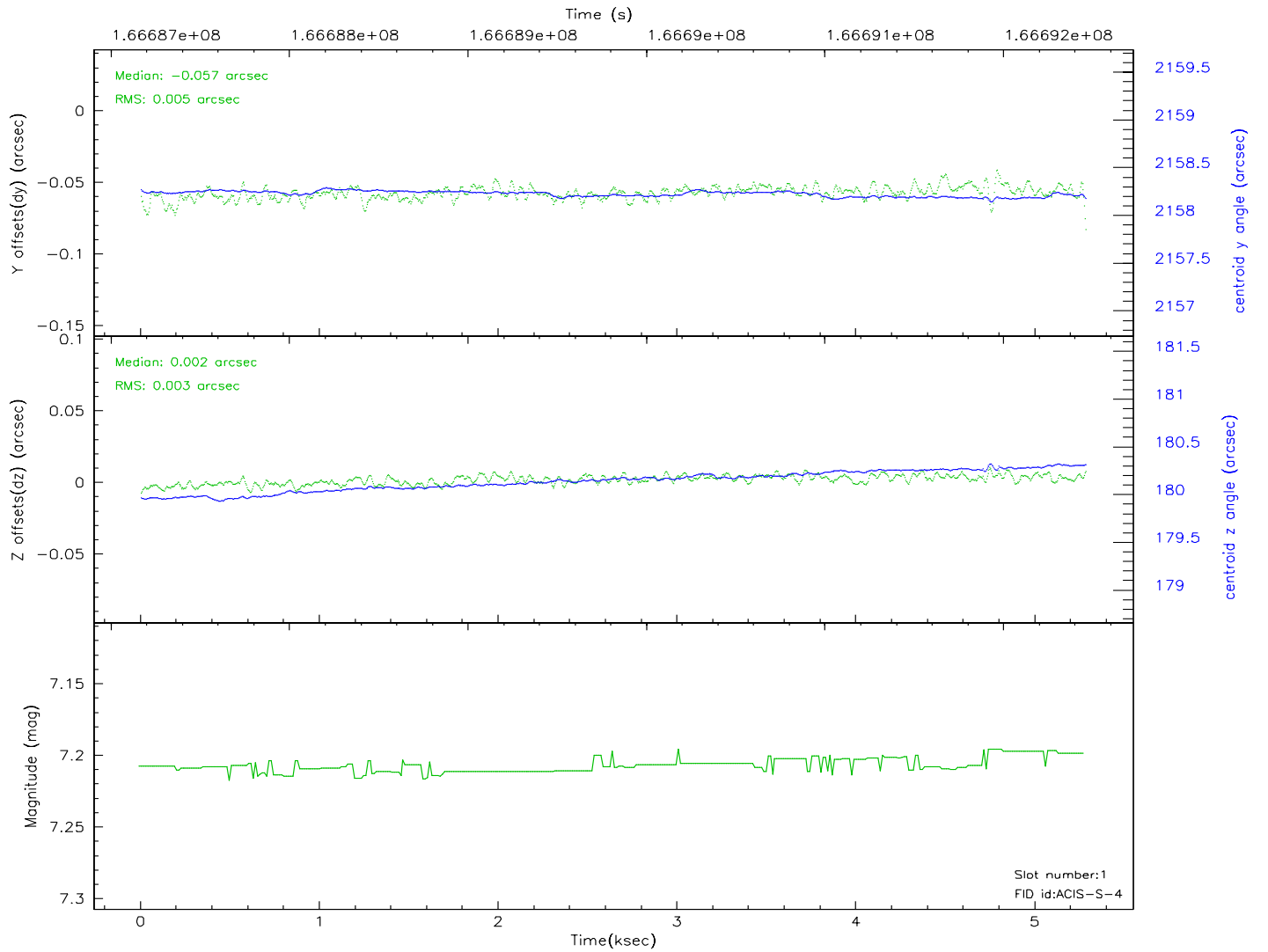
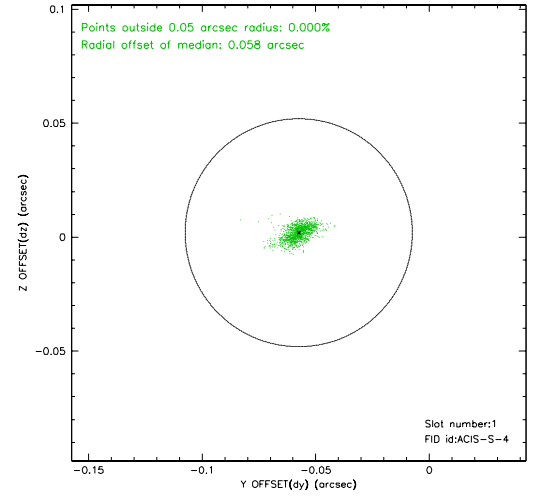
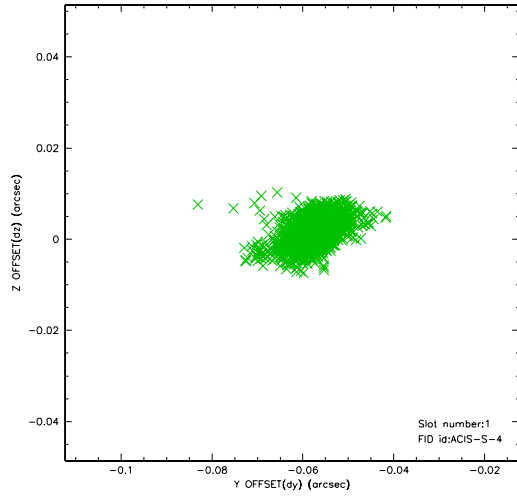


## 2.5 FID Slots

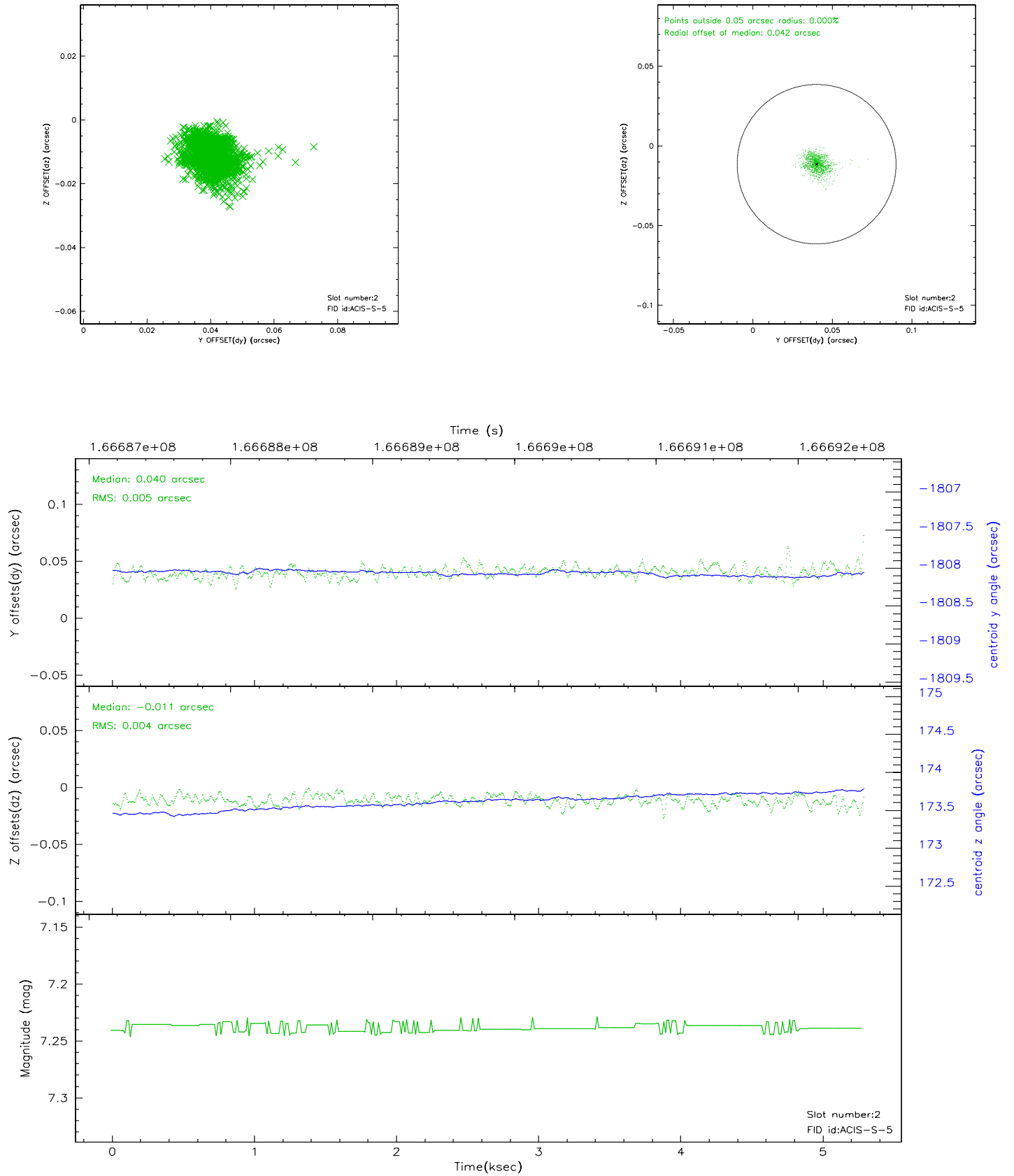
### 2.5.1 Slot 0



## 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)	2006.08.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.953

### A.2 Comments