

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5654 - L2 Version 002  
Chandra X-Ray Center

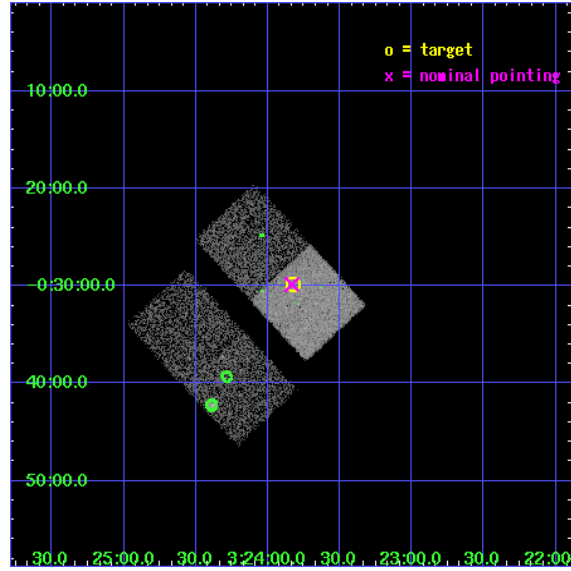
L2 Processing Date : Apr 4 2006

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# 1 Front

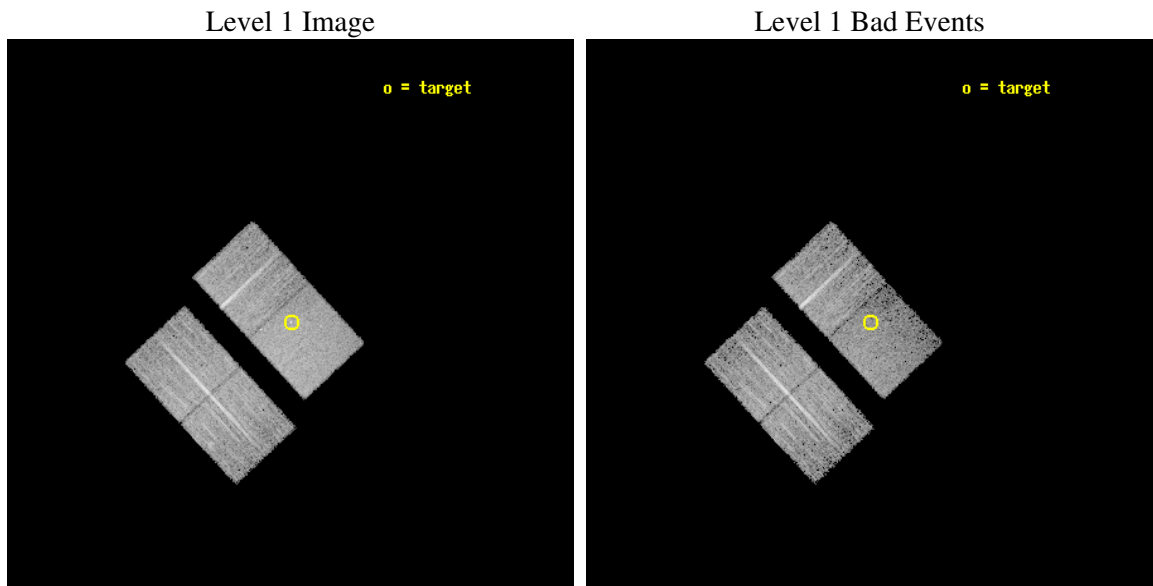
seq_num	701077
obs_id	5654
title	The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies
observer	PROF. KAREN LEIGHLY
object	SDSS J032349.53-002949.7
dtcycle	0
cycle	P
ra_targ	50.95625
dec_targ	-0.497139
ra_nom	50.958315896192
dec_nom	-0.49730657496921
roll_nom	47.193419819606
revision	2
ontime	8416.4999838173
livetime	8306.5322153916
ontime2	8416.4999838173
ontime3	8407.0770530701
ontime6	8416.4999838173
ontime7	8416.4999838173
l2events	39369



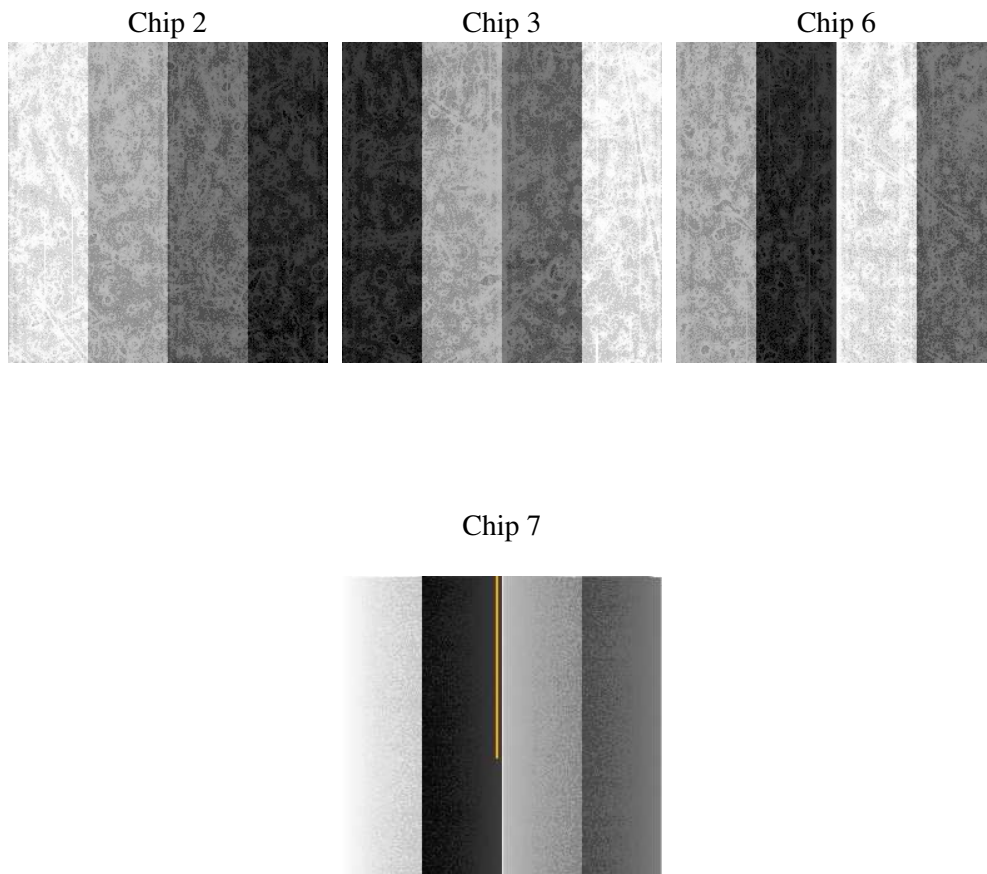
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-04T11:56:24
revision	2

sched_exp_time	8300.000000
ontime	9108.9145201743
ontime2	9108.9145002663
ontime3	9099.491569519
ontime6	9108.9145002663
ontime7	9108.9145201743
l1events	245712

### 2.1.4 Events

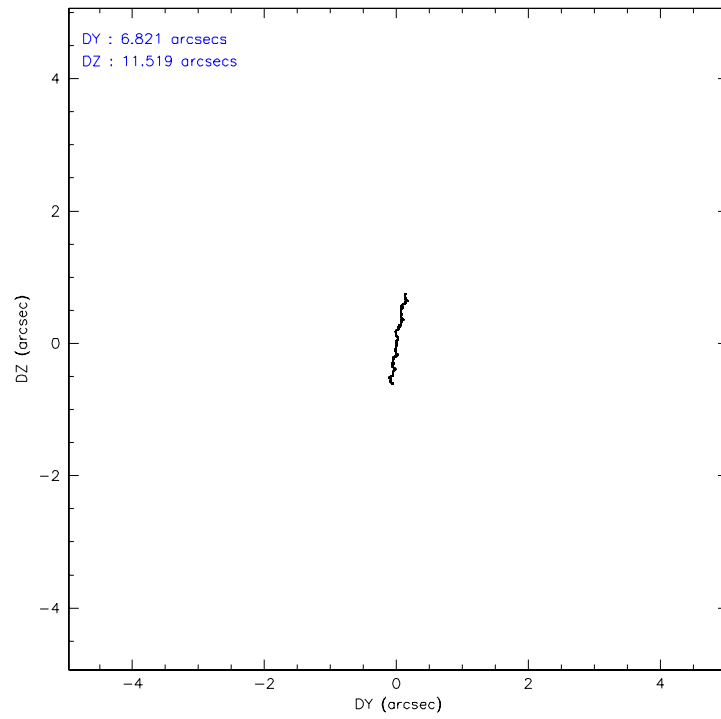
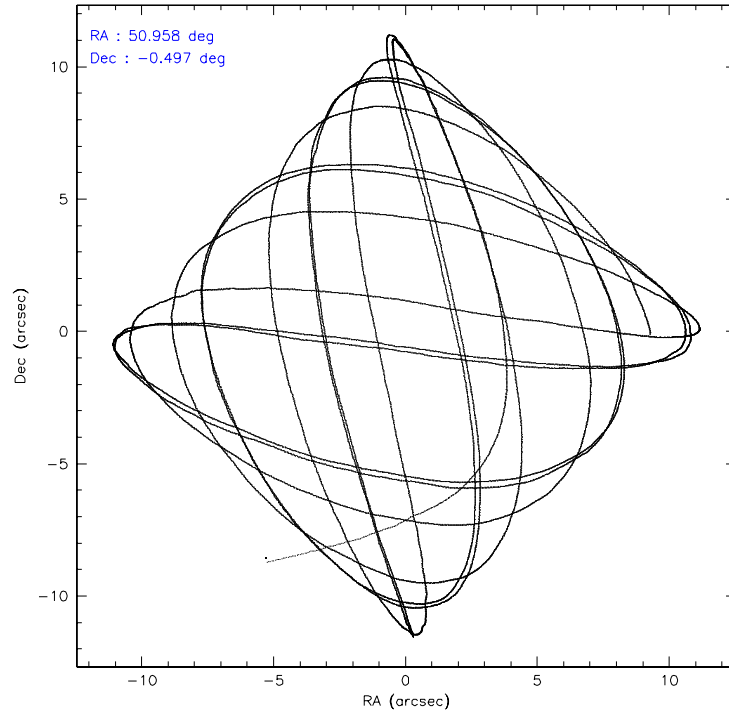
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	60863	59292	58615	66942
rejected events	55772	53930	52985	40652
rejected %	91%	90%	90%	60%

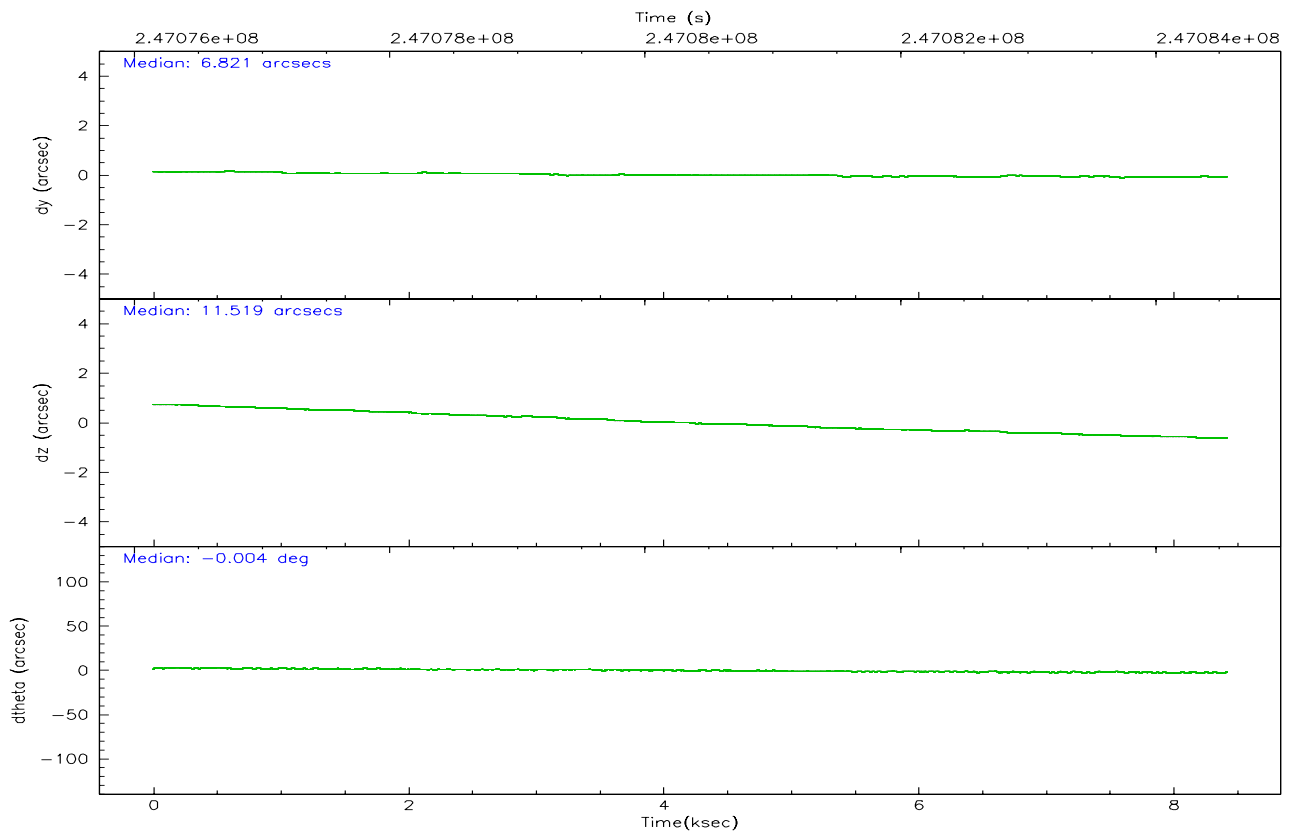
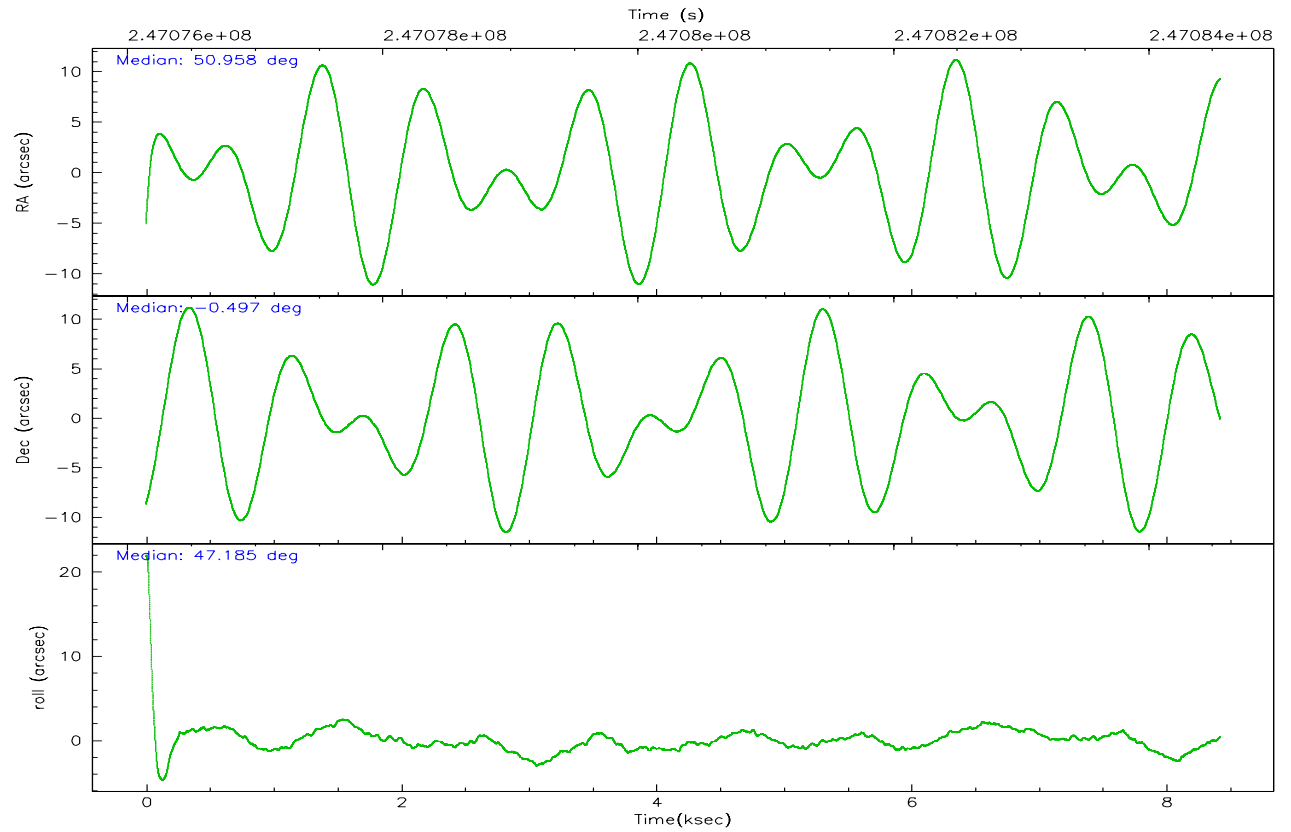
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2059	2144	2116	1781
	3%	3%	3%	2%
grade 1 events	29	30	25	35
	0%	0%	0%	0%
grade 2 events	1247	1230	1348	6981
	2%	2%	2%	10%
grade 3 events	613	661	636	1618
	1%	1%	1%	2%
grade 4 events	611	641	680	1671
	1%	1%	1%	2%
grade 5 events	1902	2331	2515	5035
	3%	3%	4%	7%
grade 6 events	963	1069	1307	16399
	1%	1%	2%	24%
grade 7 events	53439	51186	49988	33422
	87%	86%	85%	49%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-2367	ACIS-2367	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	50.952648	50.95831589619169	Alternating exposures requested	N	N
Pointing Dec	-0.524001	-0.4973065749692143	Primary exposure time	0.000000	3.1
Pointing Roll	47.036702	47.19341981960596			
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	247076260.184000	247074959.01703			
Observation start date	2005-10-30T16:16:36	2005-10-30T15:55:59			
Observation end time	247084560.184000	247084699.59248			
Observation end date	2005-10-30T18:34:56	2005-10-30T18:38:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect





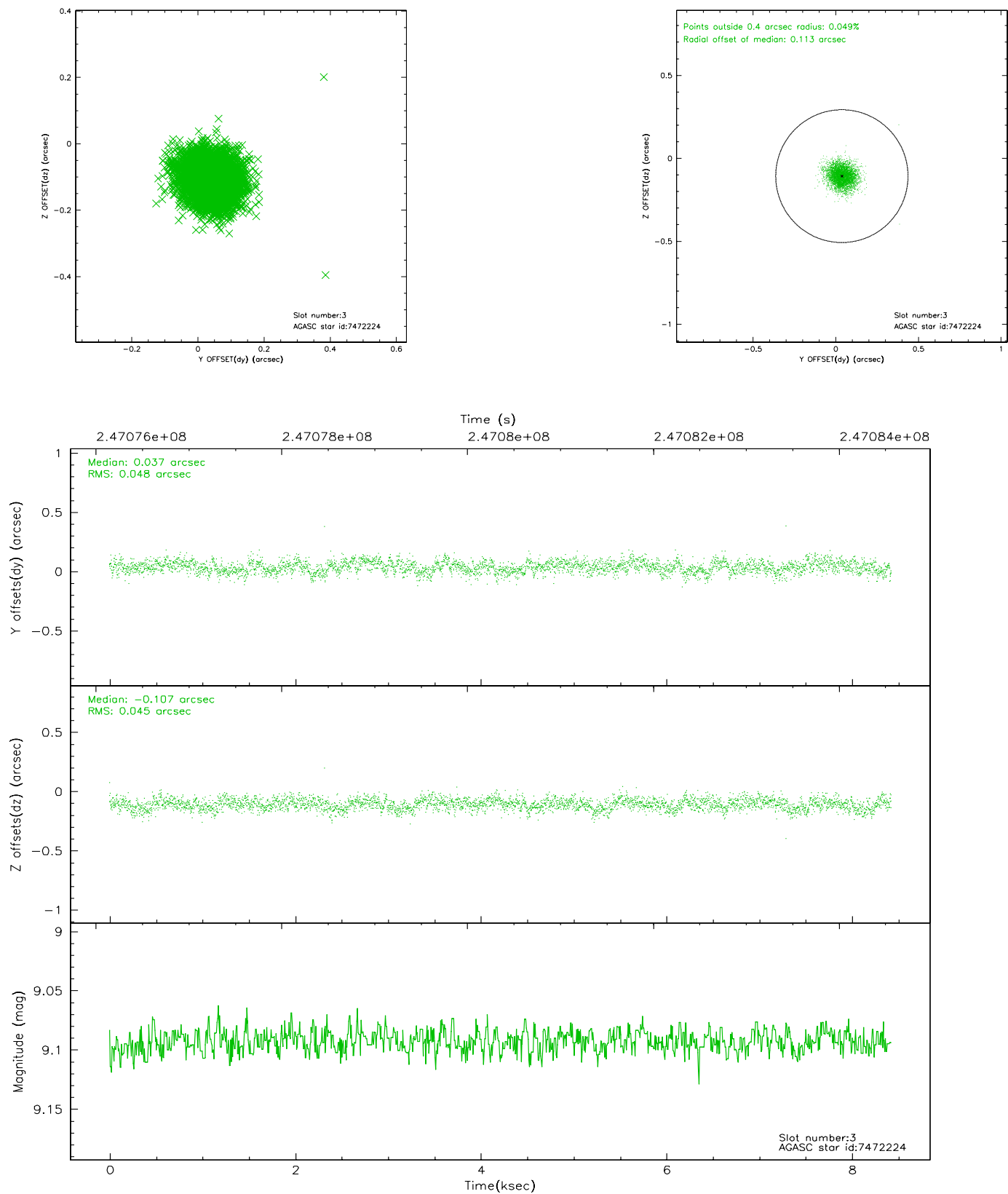
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2055	-0.030	0.002	0.016	0.025	0.000000	0.000000	-759.60	-1732.84
1	FID	ACIS-S-4	7.20	2055	0.035	0.013	0.013	0.019	0.000000	0.000000	2153.43	174.99
2	FID	ACIS-S-5	7.23	2055	-0.038	-0.007	0.012	0.018	0.000000	0.000000	-1811.62	169.36
3	GUIDE	7472224	9.09	4109	0.037	-0.107	0.069	0.112	50.954093	0.013958	1420.73	1316.01
4	GUIDE	617226472	8.72	4109	-0.005	0.117	0.078	0.122	51.517896	-0.643841	1071.78	-1782.46
5	GUIDE	617227784	9.11	4104	-0.116	0.118	0.082	0.135	51.447692	-0.728205	676.98	-1805.47
6	GUIDE	7472568	9.19	4091	0.013	0.051	0.118	0.187	51.063140	0.244649	2295.90	1594.16
7	GUIDE	617222168	8.07	4109	0.064	-0.188	0.055	0.087	50.285317	-0.369555	-1230.22	2136.81

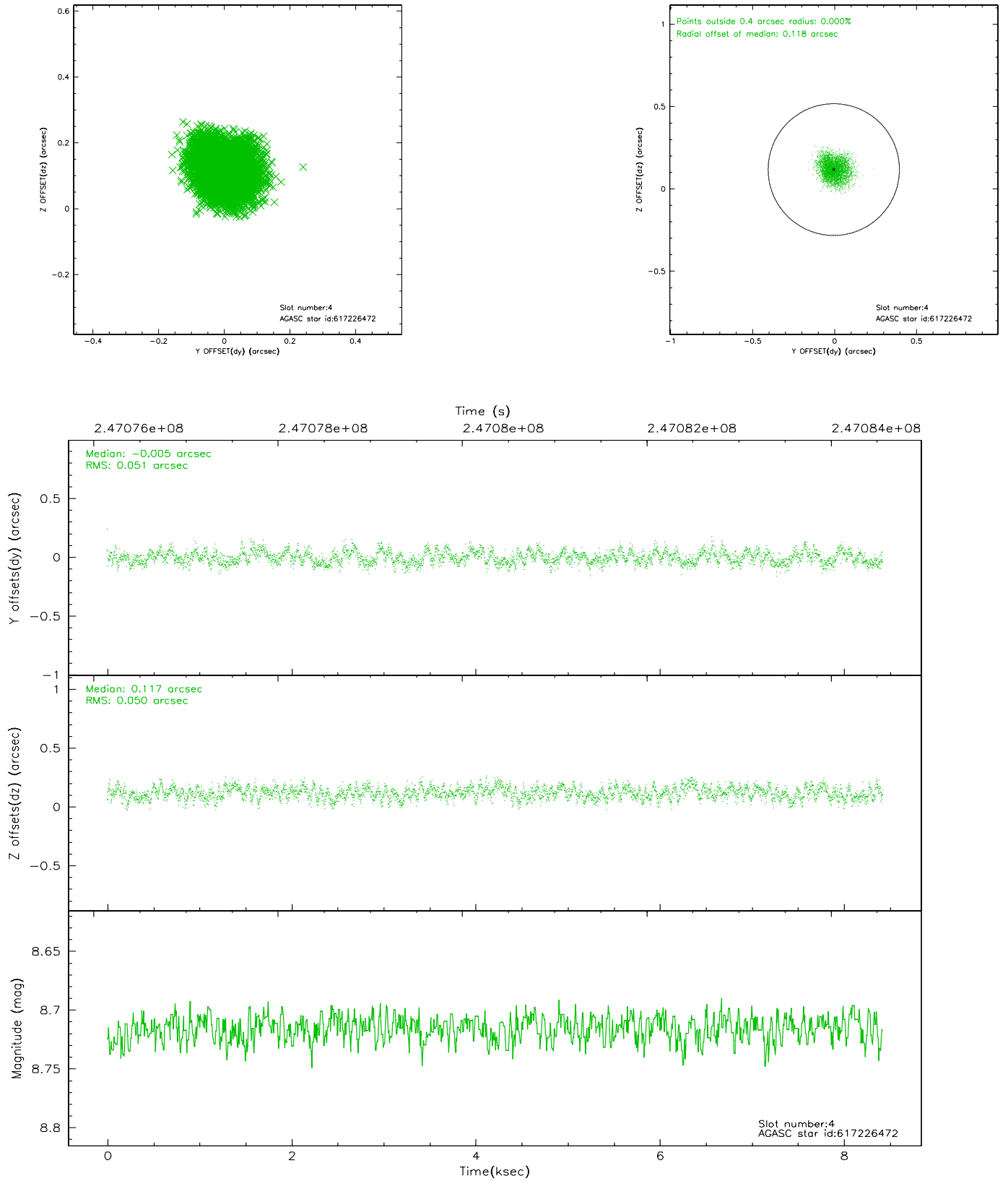


## 2.4 Star Slots

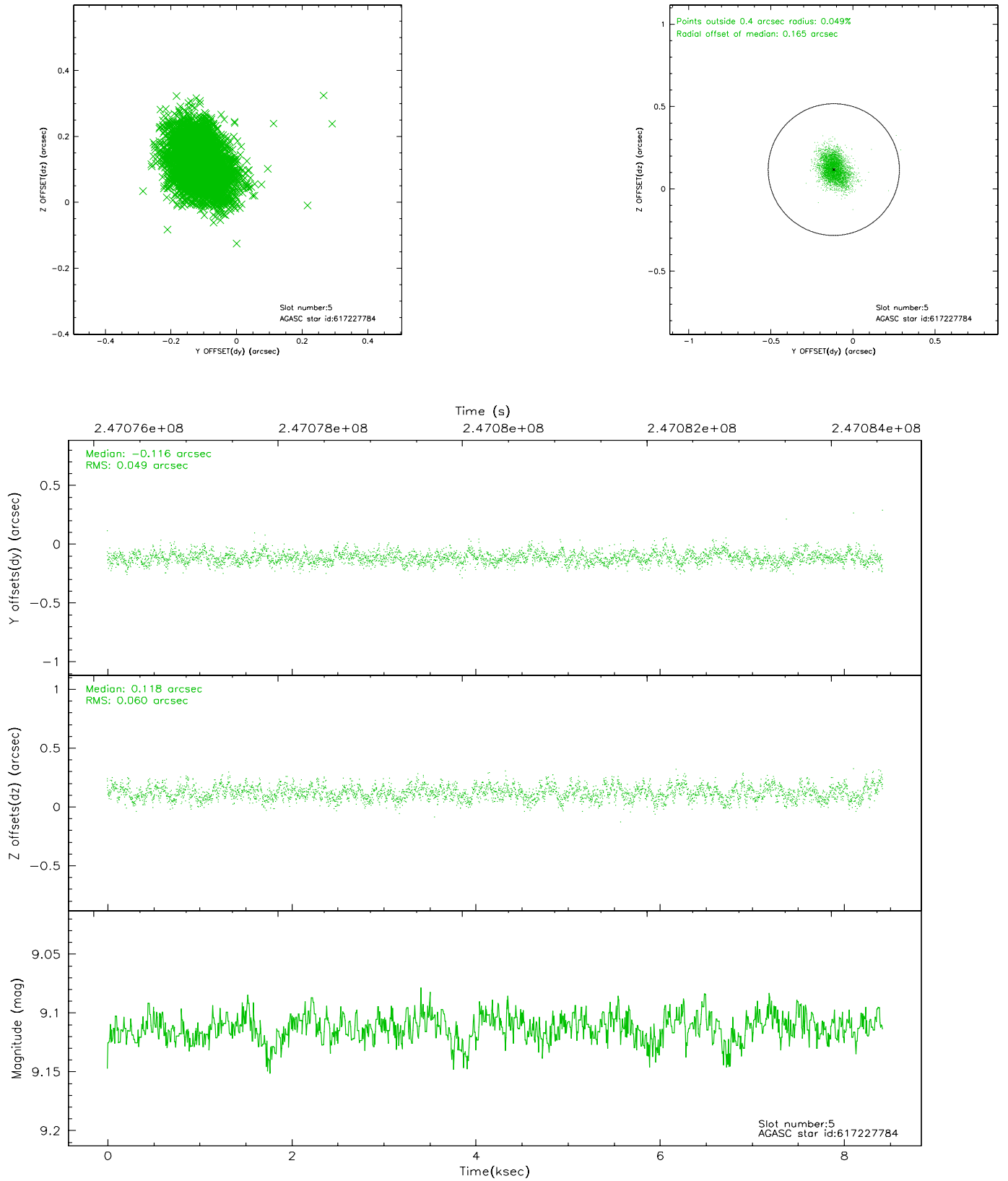
### 2.4.1 Slot 3



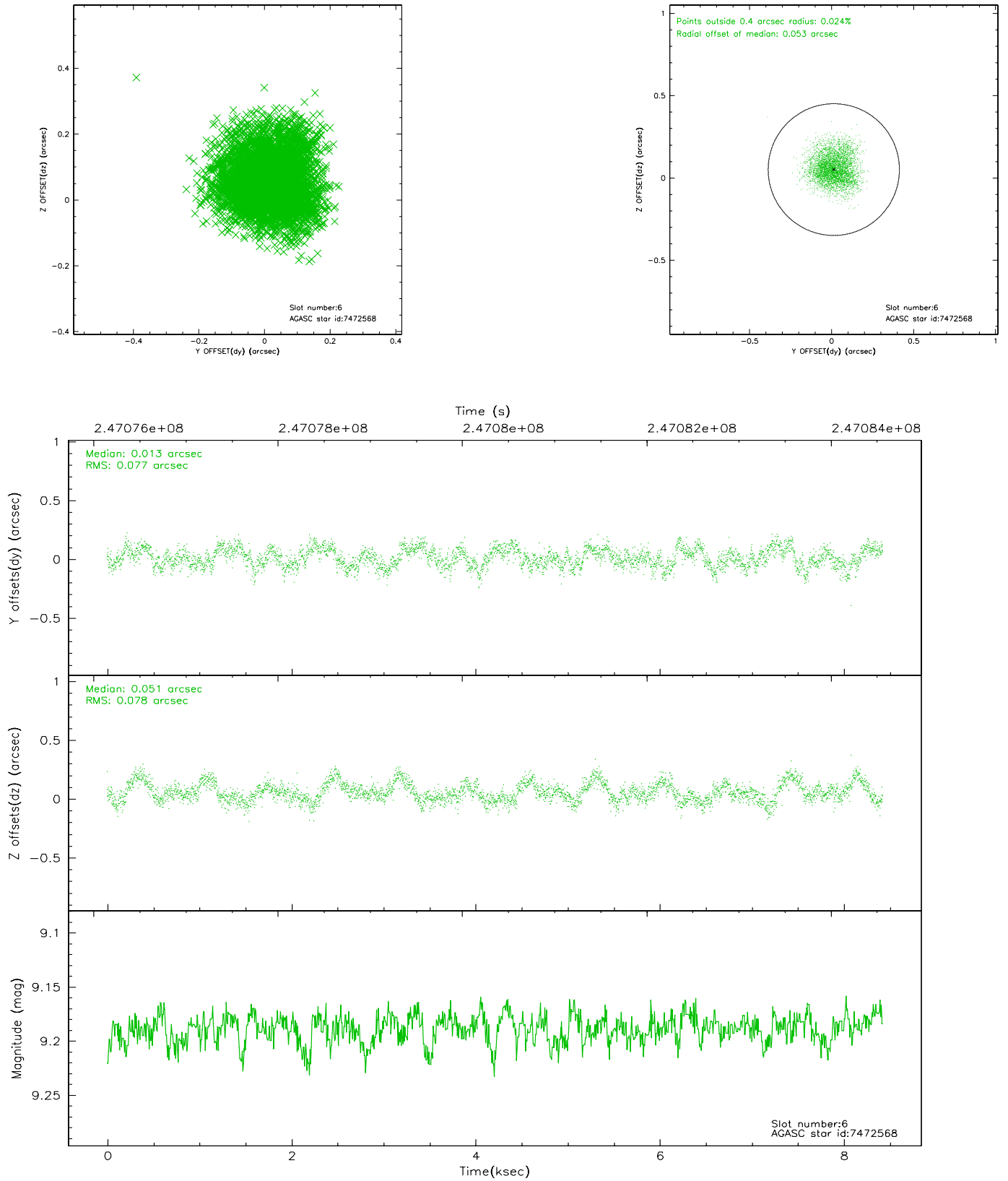
## 2.4.2 Slot 4



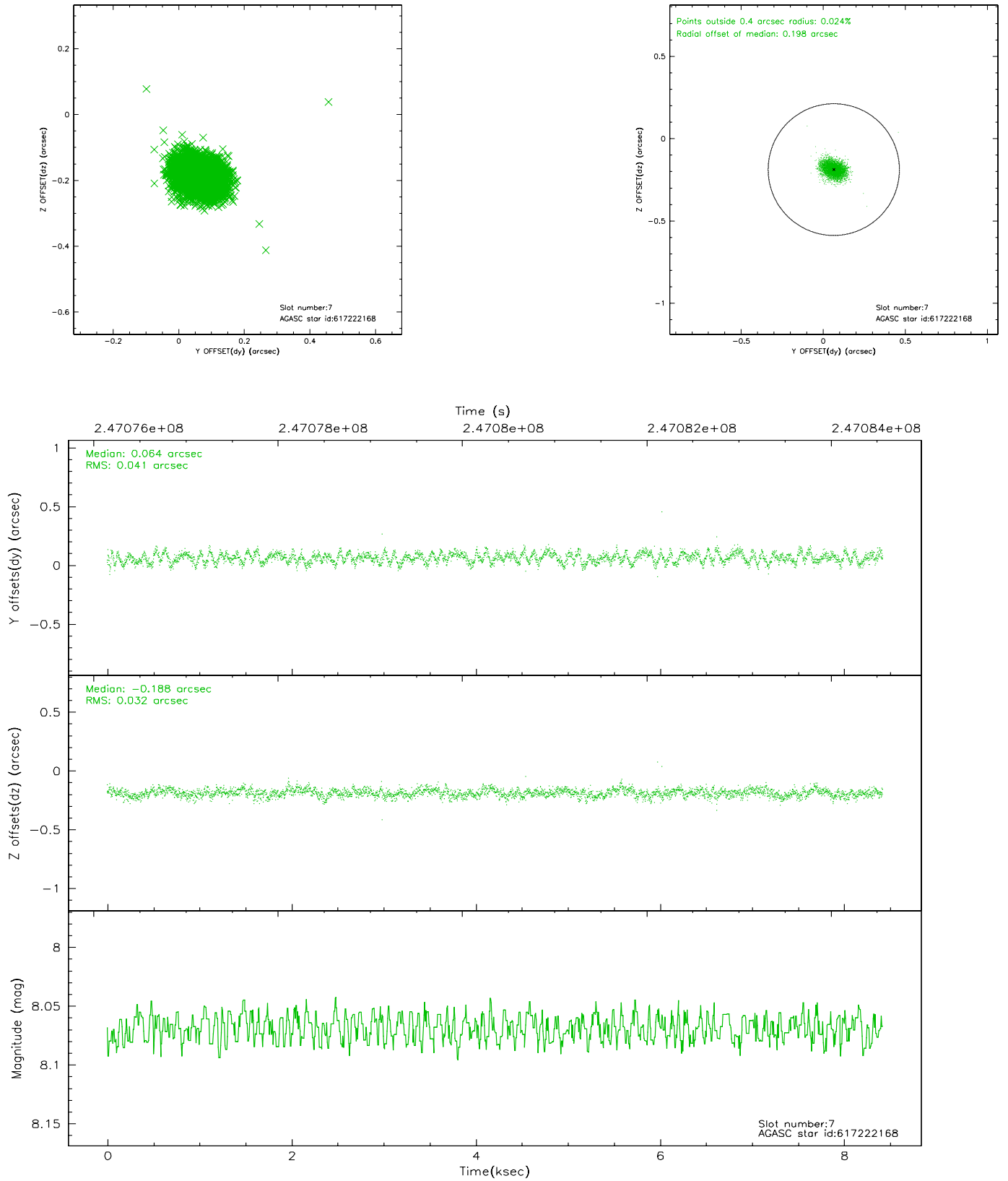
### 2.4.3 Slot 5



## 2.4.4 Slot 6

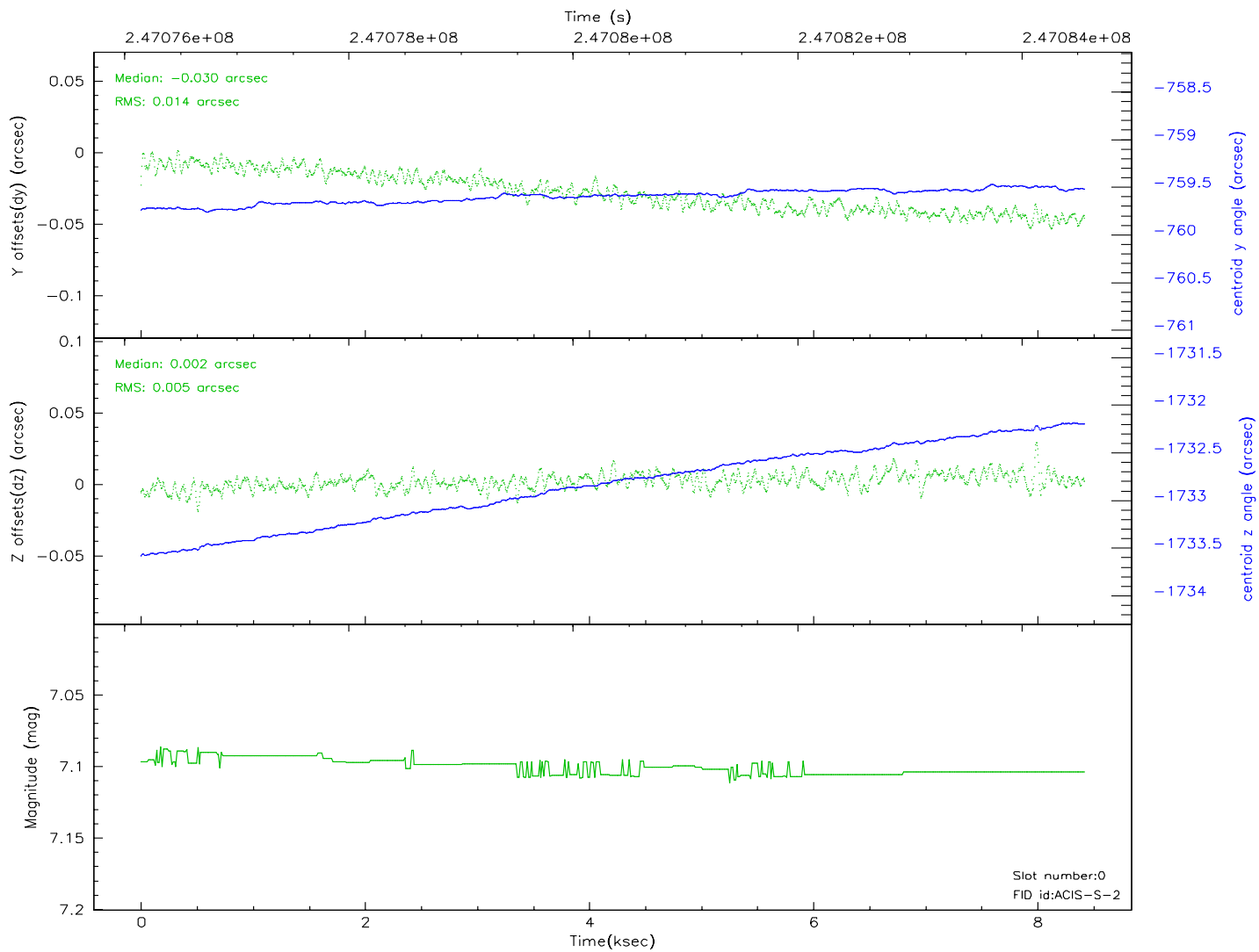
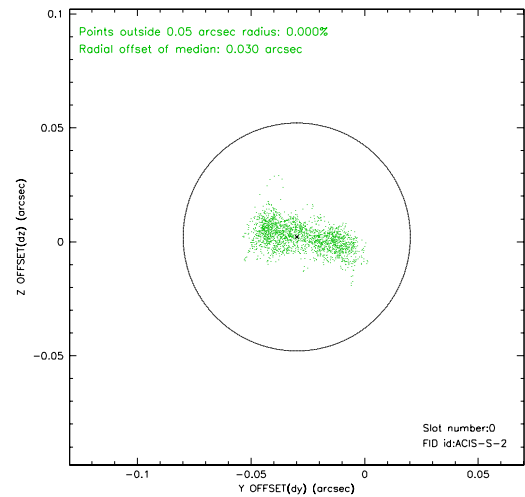
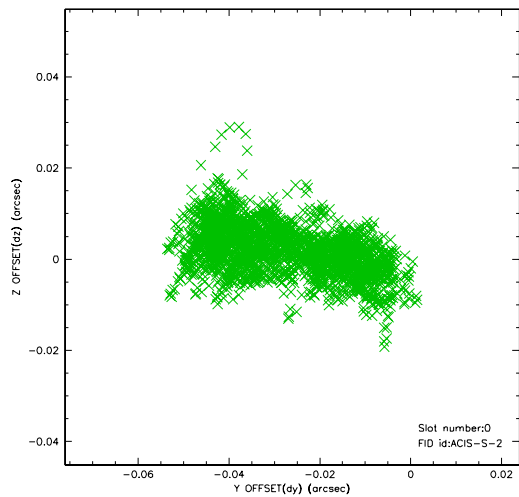


## 2.4.5 Slot 7

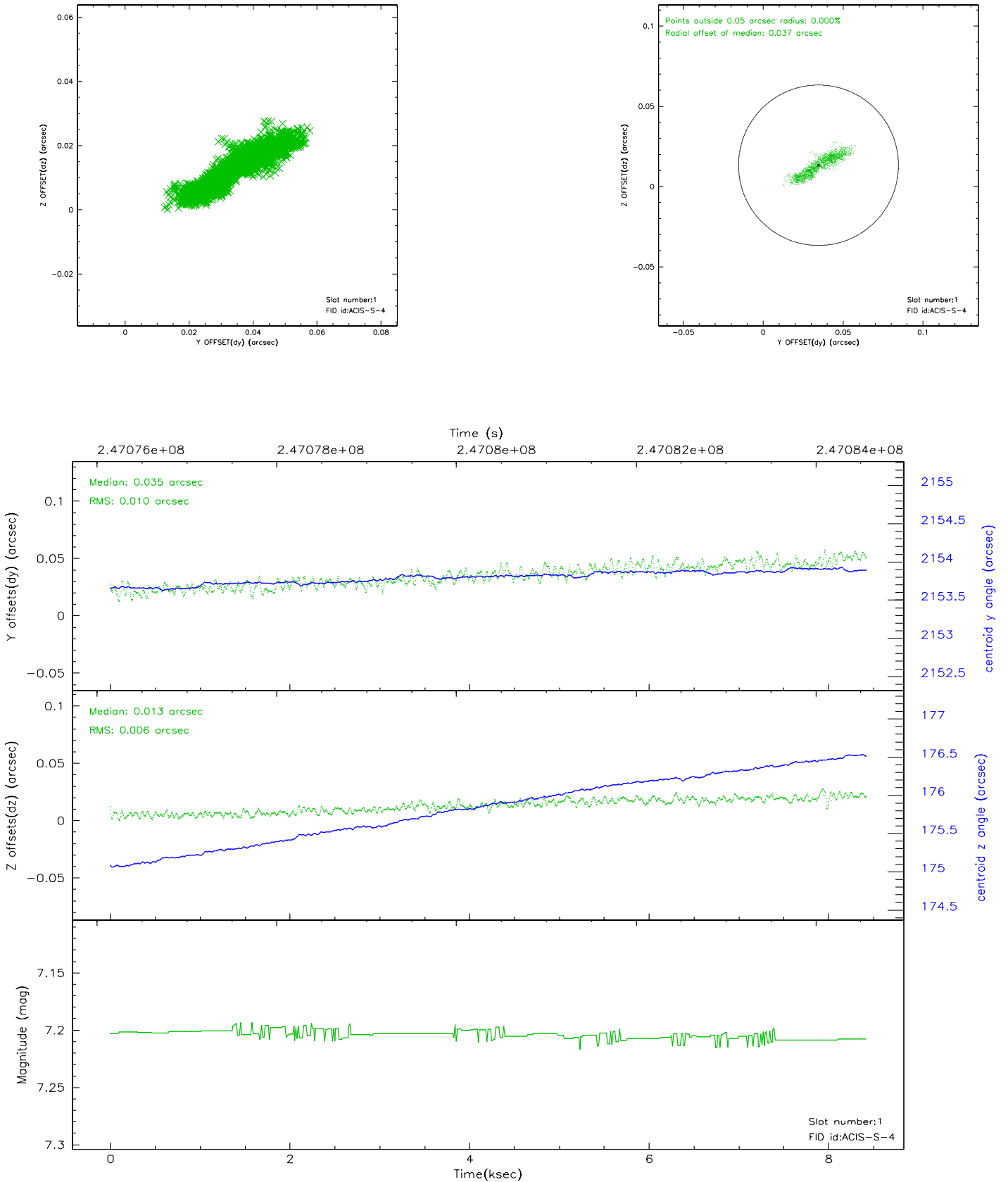


## 2.5 FID Slots

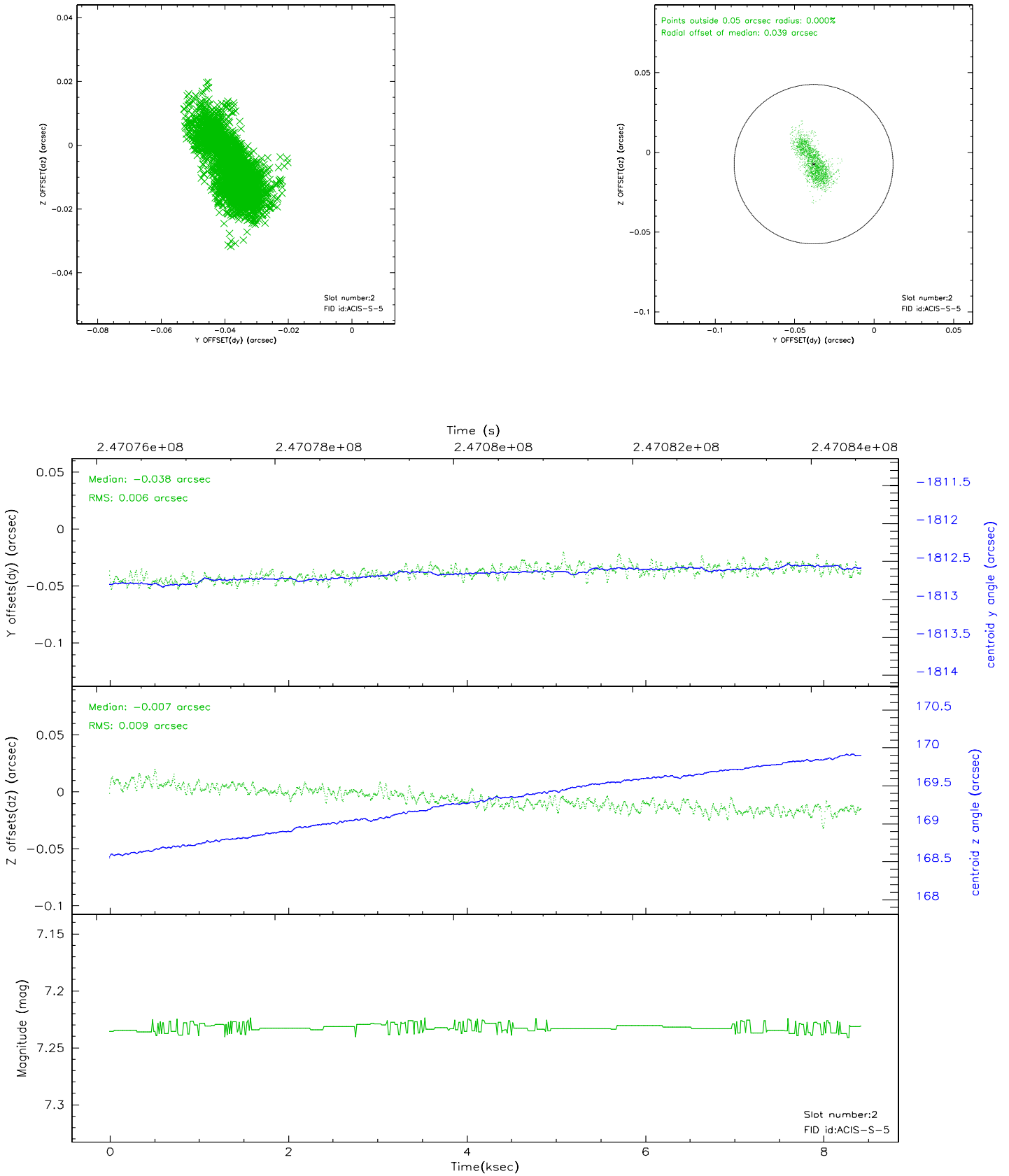
### 2.5.1 Slot 0



## 2.5.2 Slot 1

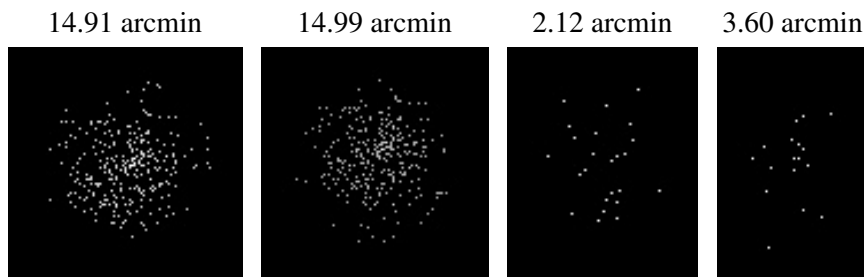


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.416499

### A.2 Comments