

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 1952 - L2 Version 001  
Chandra X-Ray Center

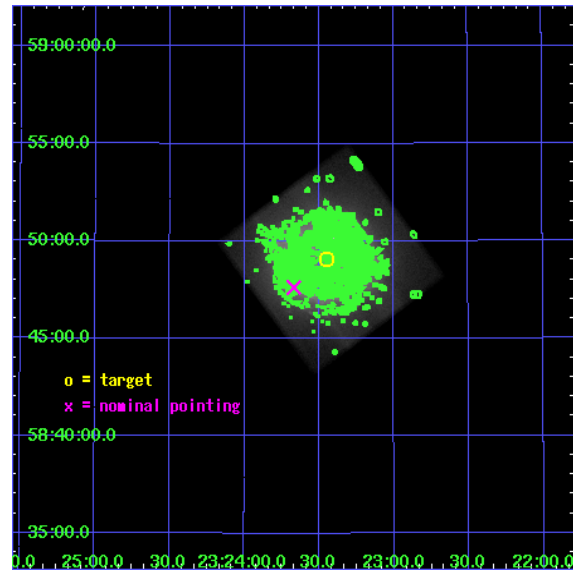
L2 Processing Date : Aug 31 2006

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# 1 Front

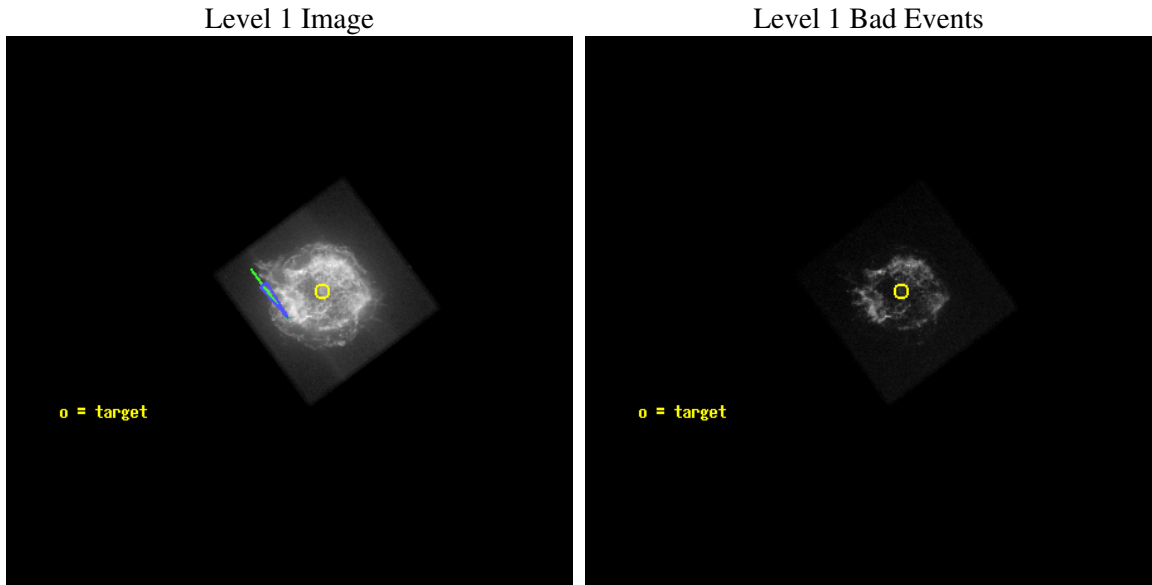
seq_num	500129
obs_id	1952
title	CAS A: FIRST CLOSE-UP VIEWS OF HOT PLASMA EVOLUTION
observer	Dr. Lawrence Rudnick
object	CAS A
dtcycle	0
cycle	P
ra_targ	350.86125
dec_targ	58.8175
ra_nom	350.91715761538
dec_nom	58.793777949331
roll_nom	323.39186938512
revision	2
ontime	50300.759086594
livetime	49663.820587559
ontime7	50300.759086594
l2events	15309978



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-31T13:17:20
revision	2

sched_exp_time	49700.000000
ontime	50303.507349432
ontime7	50303.507349432
l1events	16319550

### 2.1.3 Events

	<b>ccd 7</b>
level 1 events	16319550
rejected events	861097
rejected %	5%

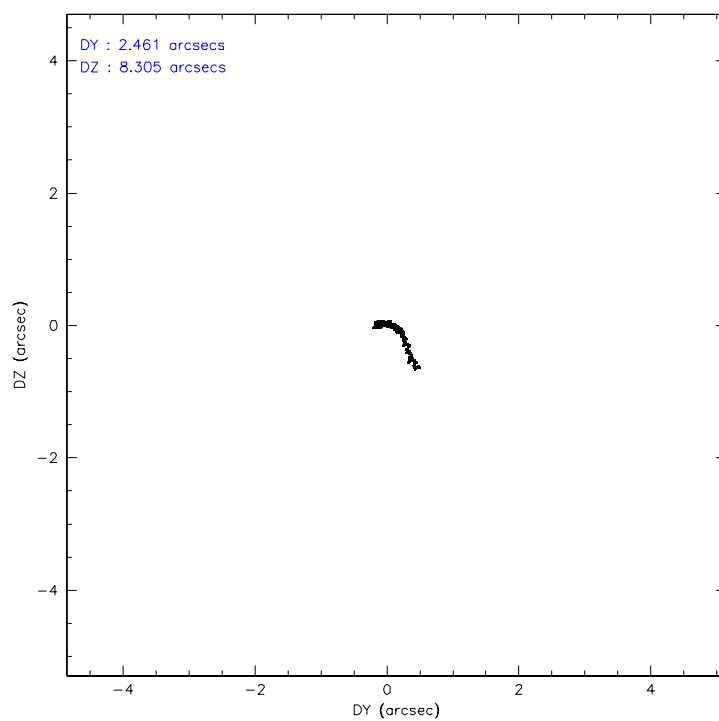
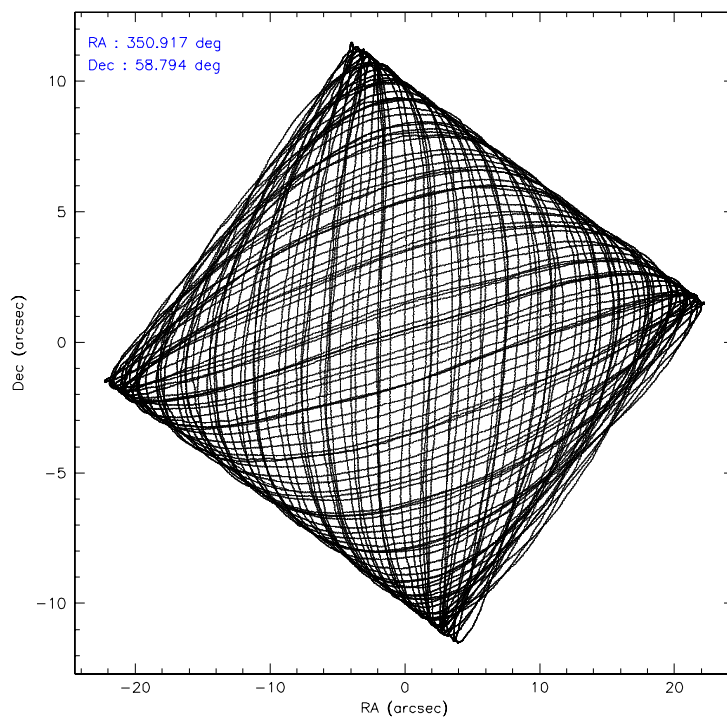
	<b>ccd 7</b>
grade 0 events	3570079
	21%
grade 1 events	71335
	0%
grade 2 events	4406357
	27%
grade 3 events	1711629
	10%
grade 4 events	1694199
	10%
grade 5 events	287019
	1%
grade 6 events	4077878
	24%
grade 7 events	501054
	3%

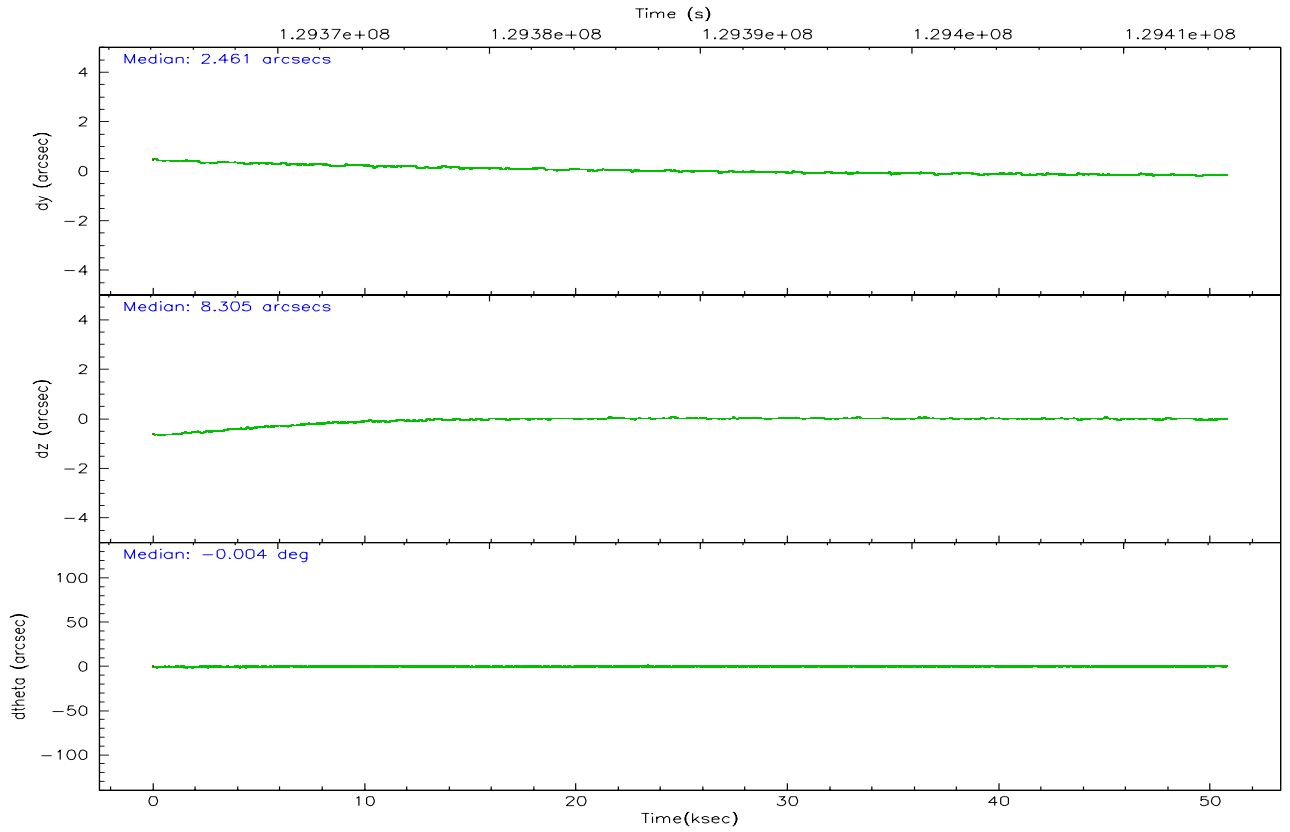
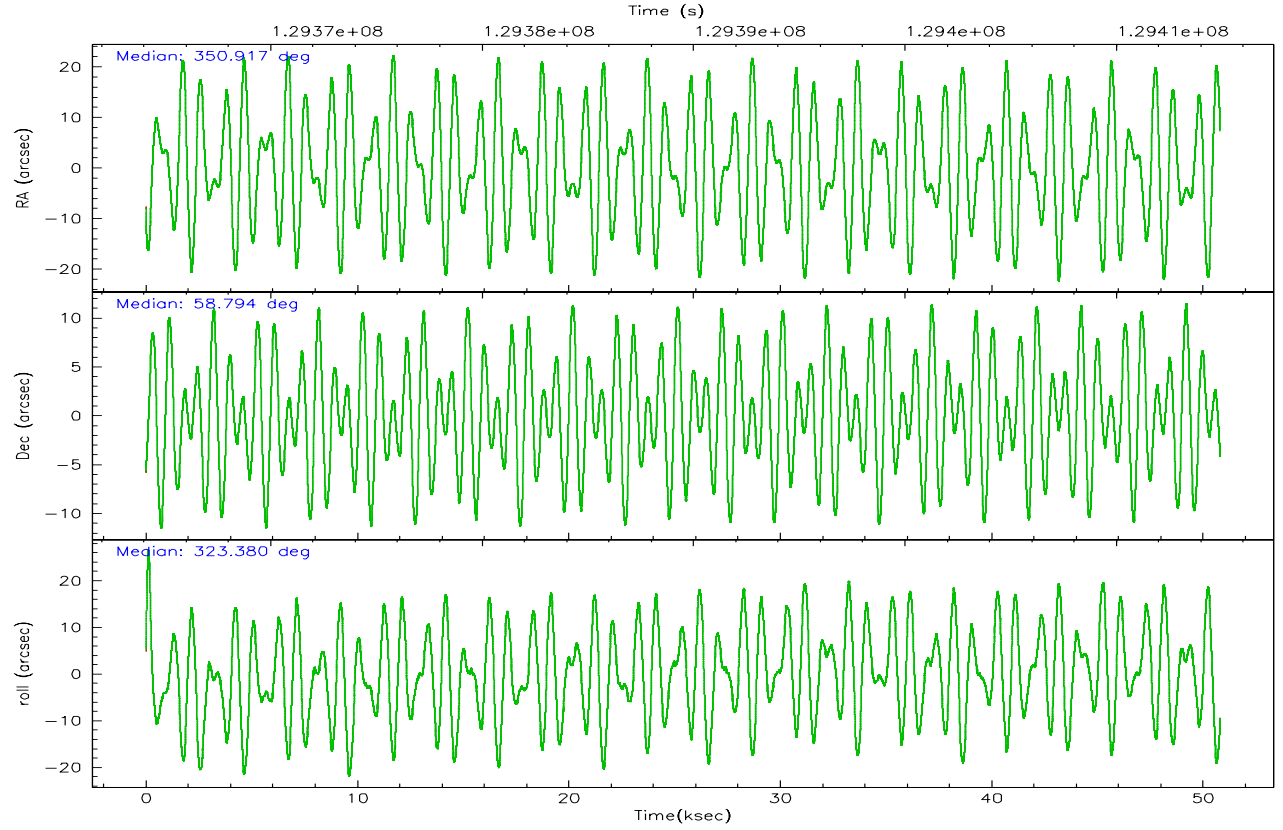


## 2.2 Compared Parameters

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	GRADED	GRADED	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	350.864831	350.9171576153794	Alternating exposures requested	N	N
Pointing Dec	58.796562	58.79377794933078	Primary exposure time	0.000000	3.2
Pointing Roll	323.280005	323.3918693851188			
Roll angle	323.400000	323.400000			
Roll tolerance	5.000000	5.000000			
Roll constraint allows 180D rotation	N	N			
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	129365210.184000	129363797.60046			
Observation start date	2002-02-06T06:45:46	2002-02-06T06:23:17			
Observation end time	129414910.184000	129415188.54004			
Observation end date	2002-02-06T20:34:06	2002-02-06T20:39:48			
Read mode	TIMED	TIMED			

## 2.3 Aspect



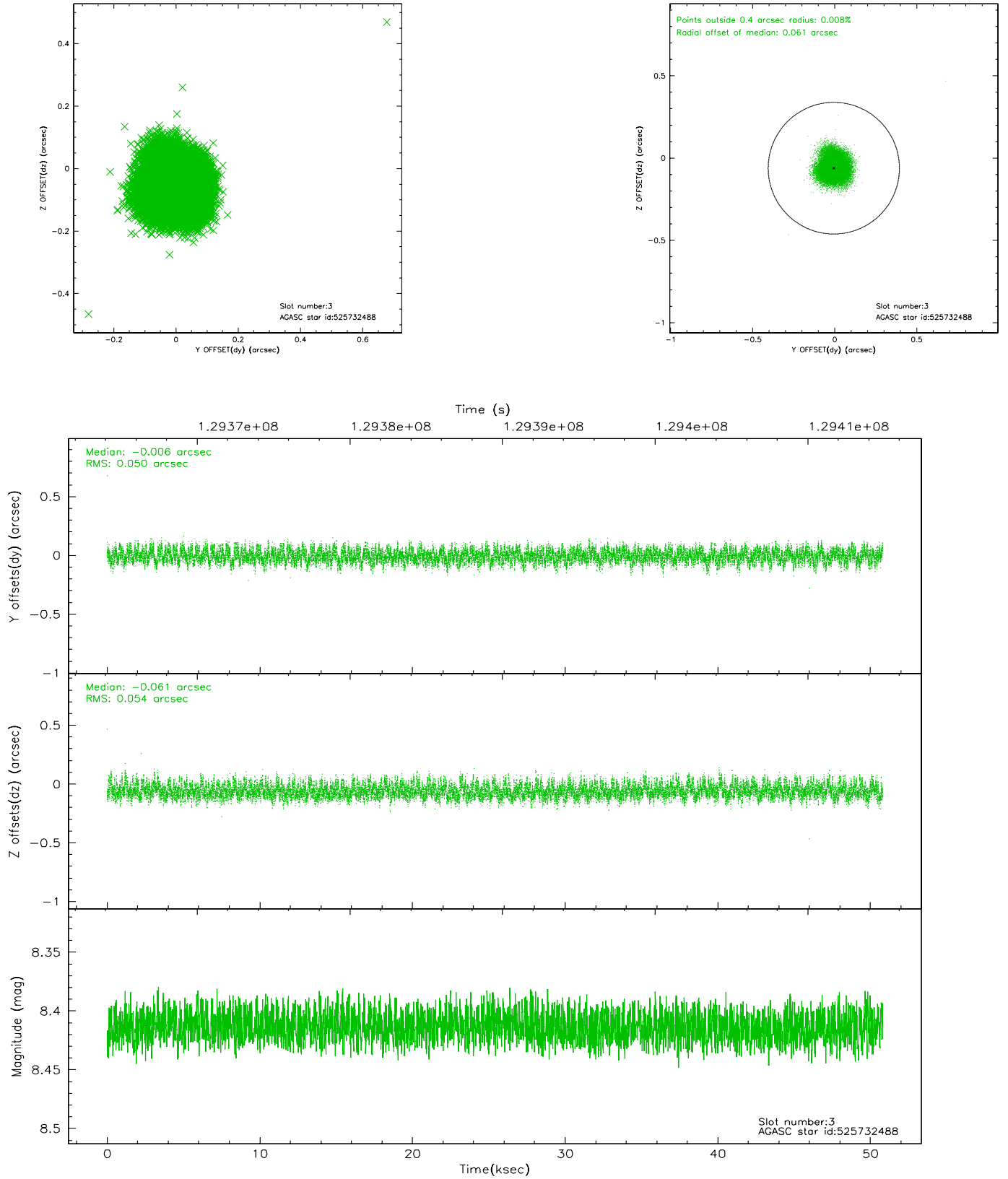


### Slot Statistics

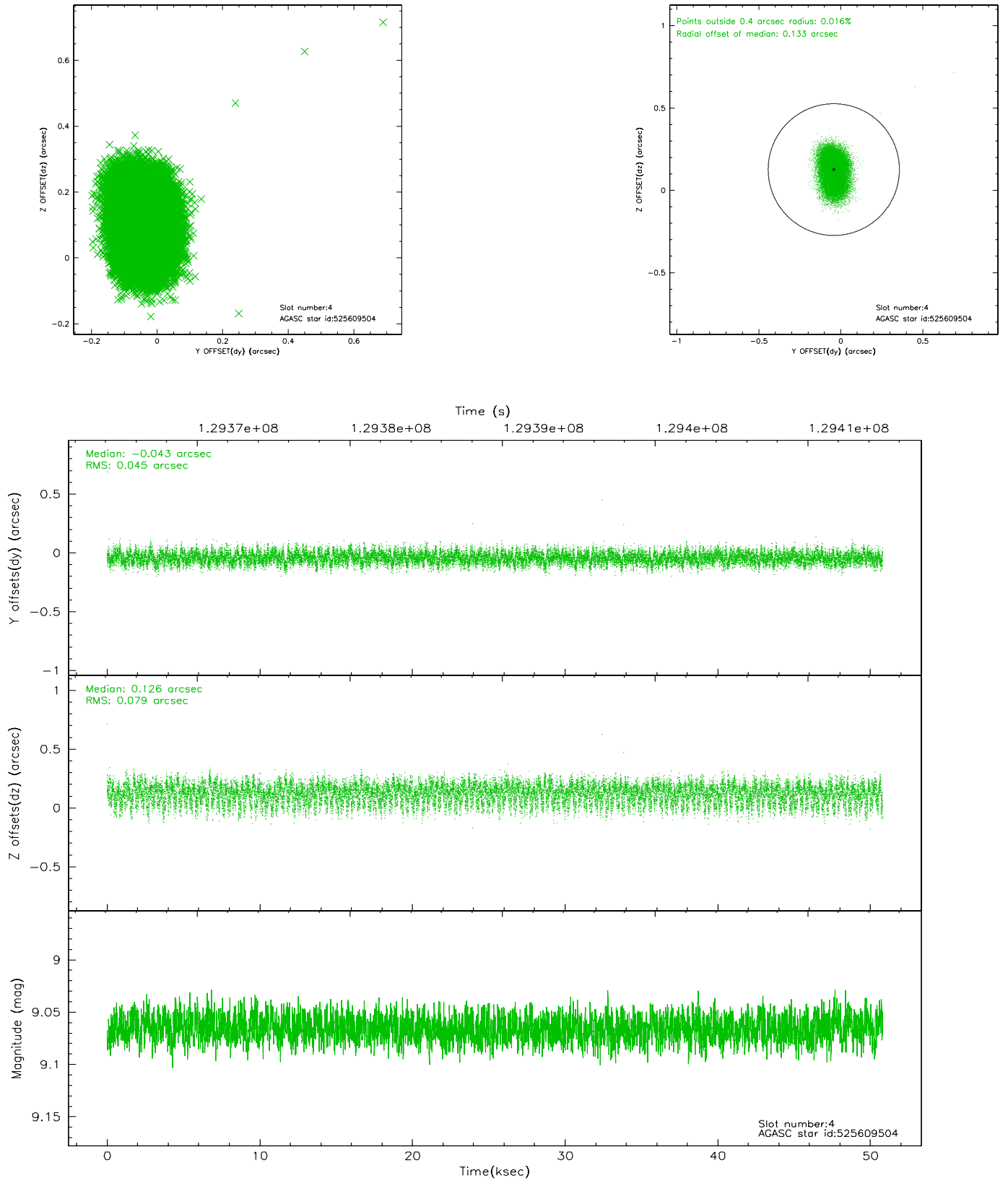
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12392	0.003	0.022	0.008	0.013	0.000000	0.000000	-755.15	-1729.40
1	FID	ACIS-S-4	7.19	12391	-0.089	-0.007	0.006	0.011	0.000000	0.000000	2158.06	179.05
2	FID	ACIS-S-5	7.24	12391	0.056	-0.006	0.008	0.014	0.000000	0.000000	-1807.95	172.73
3	GUIDE	525732488	8.41	24782	-0.006	-0.061	0.079	0.123	350.087090	58.516915	-575.22	-1675.06
4	GUIDE	525609504	9.07	24771	-0.043	0.126	0.097	0.160	349.896632	58.356658	-526.77	-2352.72
5	GUIDE	525737208	9.38	24773	-0.013	0.033	0.098	0.157	351.154109	59.407897	-892.61	2081.16
6	GUIDE	525732232	9.10	24771	0.139	0.007	0.126	0.189	351.669550	58.757012	1284.04	791.33
7	GUIDE	525732896	9.69	24766	-0.084	-0.102	0.140	0.240	351.456486	59.410070	-455.53	2421.62

## 2.4 Star Slots

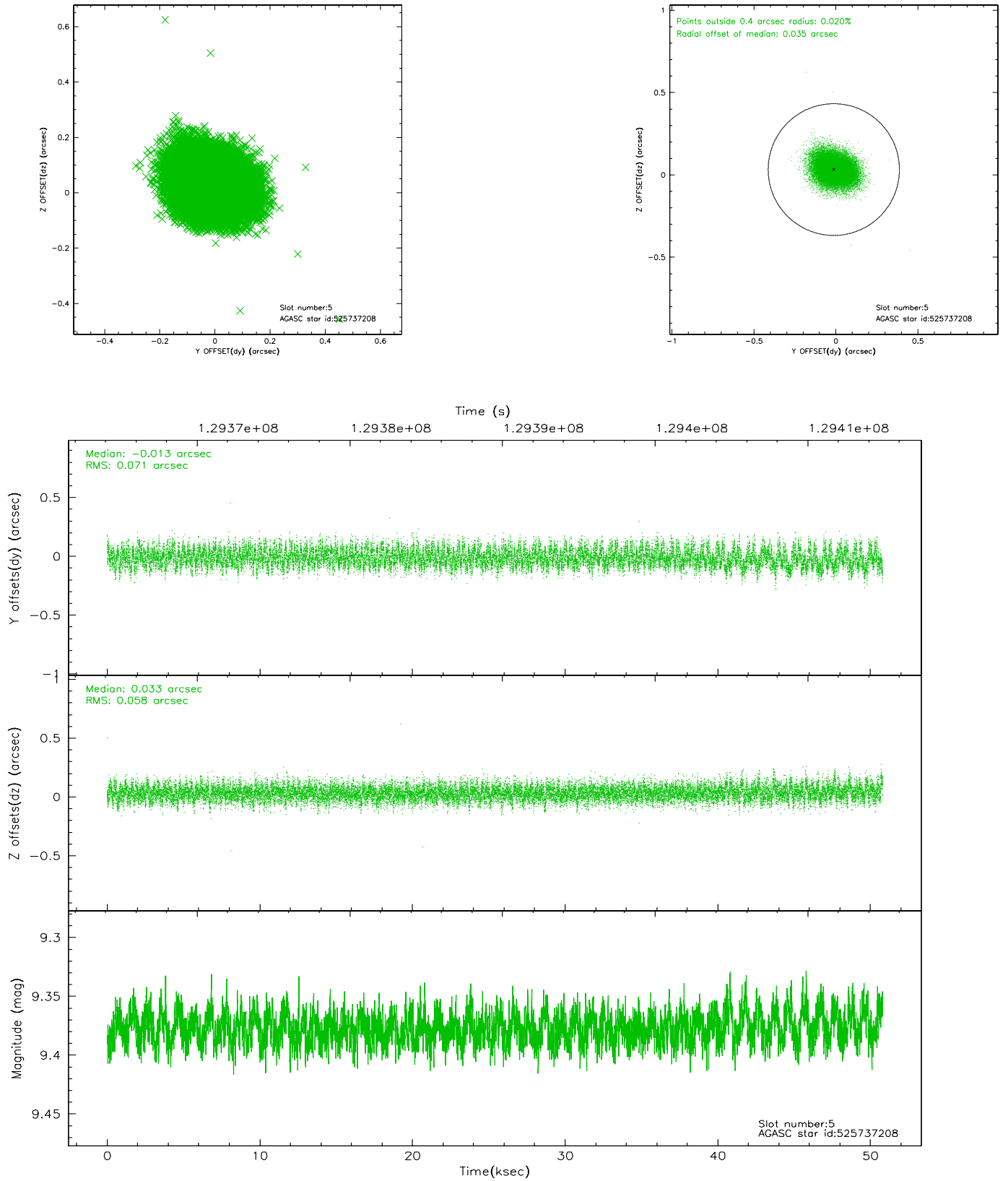
### 2.4.1 Slot 3



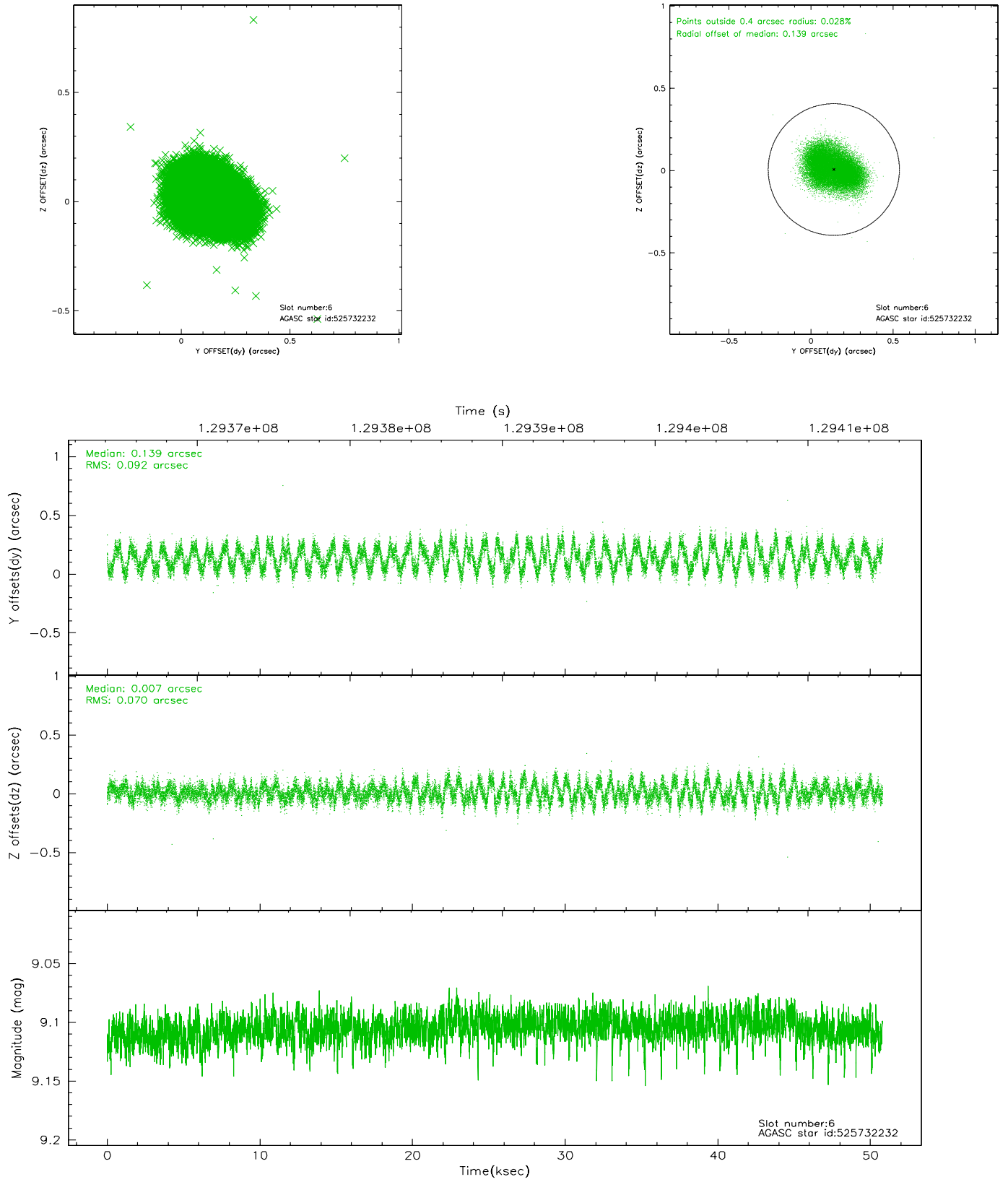
## 2.4.2 Slot 4



### 2.4.3 Slot 5

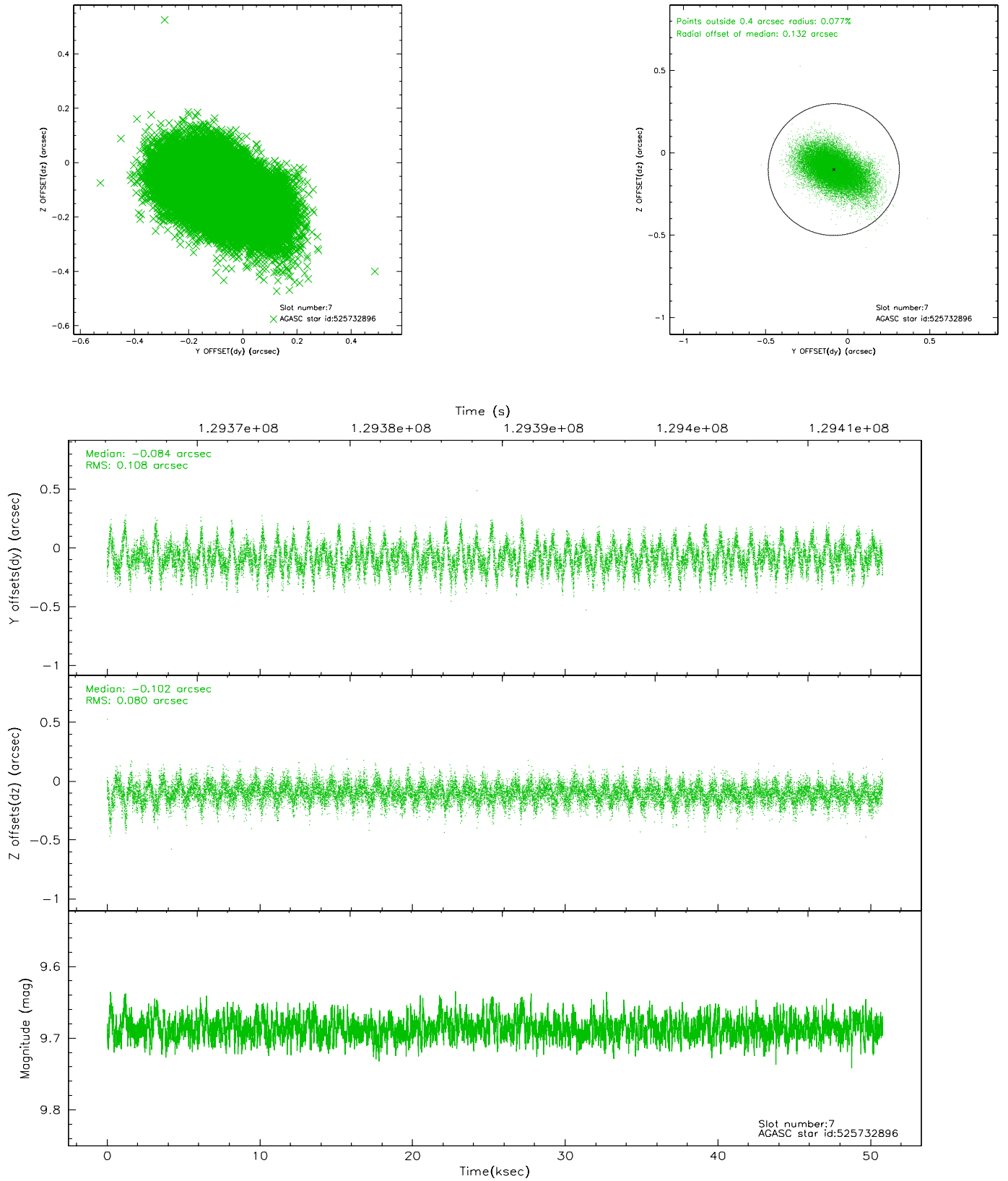


## 2.4.4 Slot 6



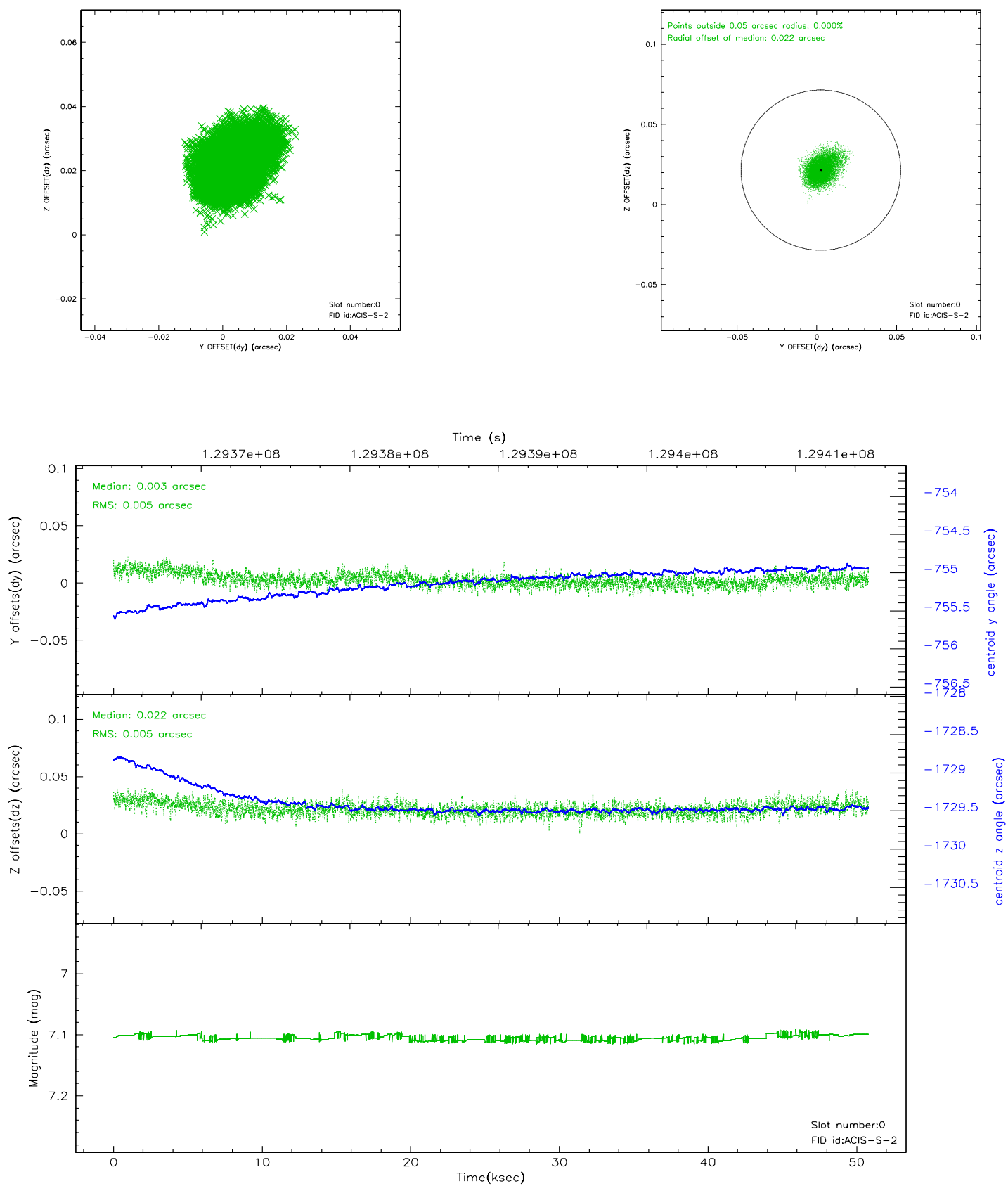


## 2.4.5 Slot 7

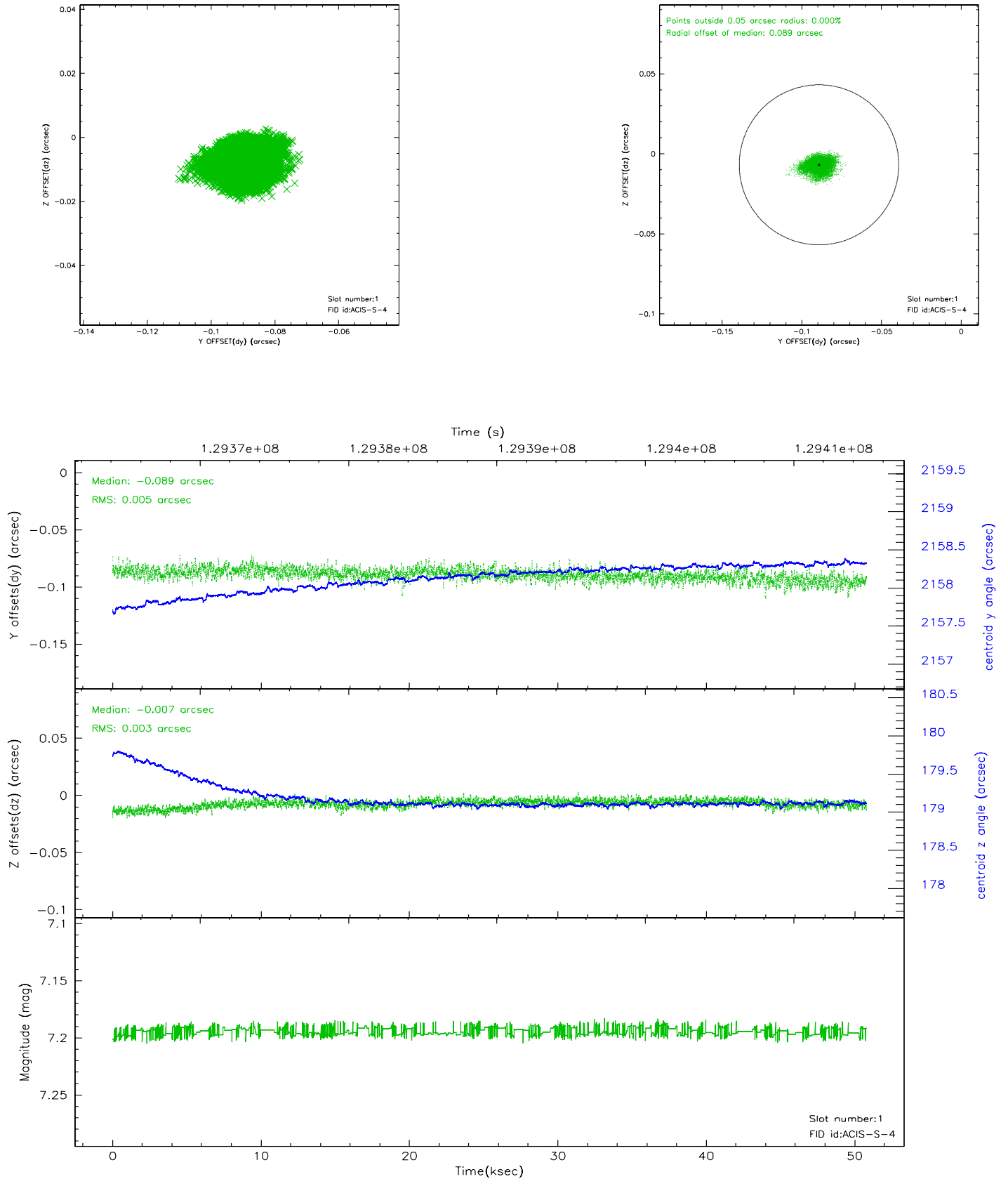


## 2.5 FID Slots

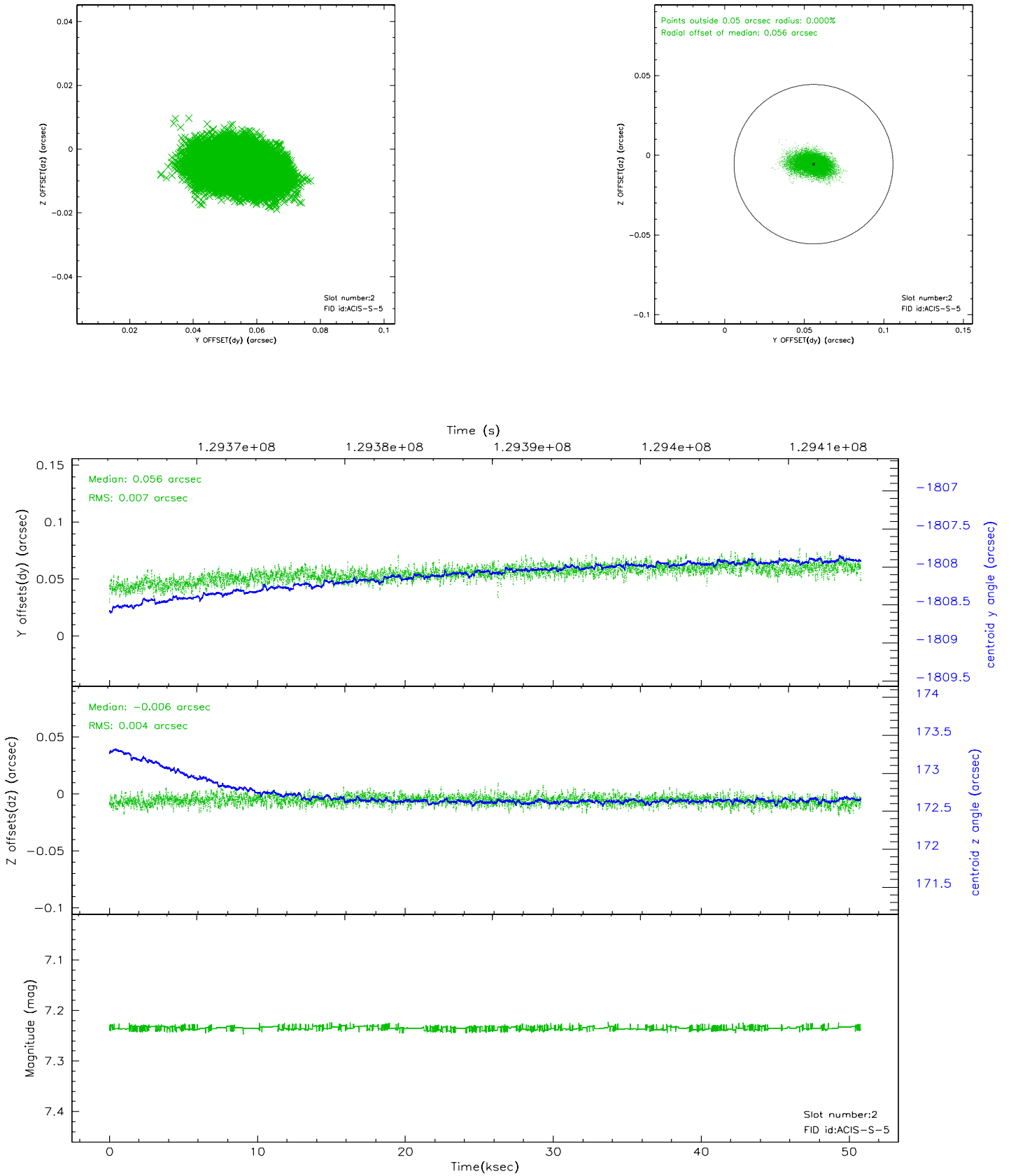
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

6.82 arcmin



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.3

### A.2 Comments