

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5181 - L2 Version 001  
Chandra X-Ray Center

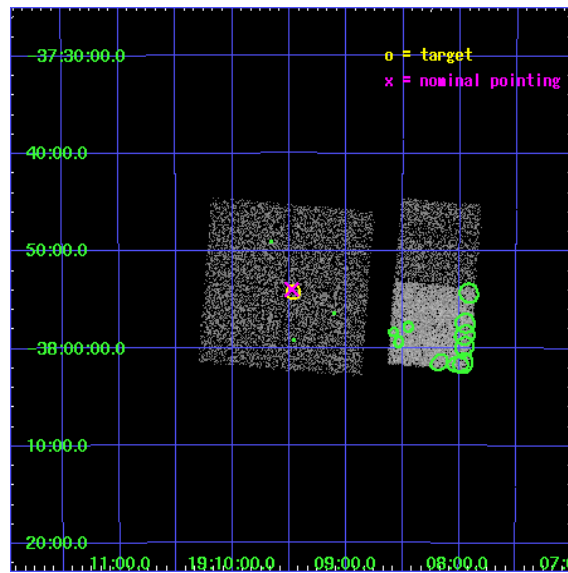
L2 Processing Date : May 25 2006

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# 1 Front

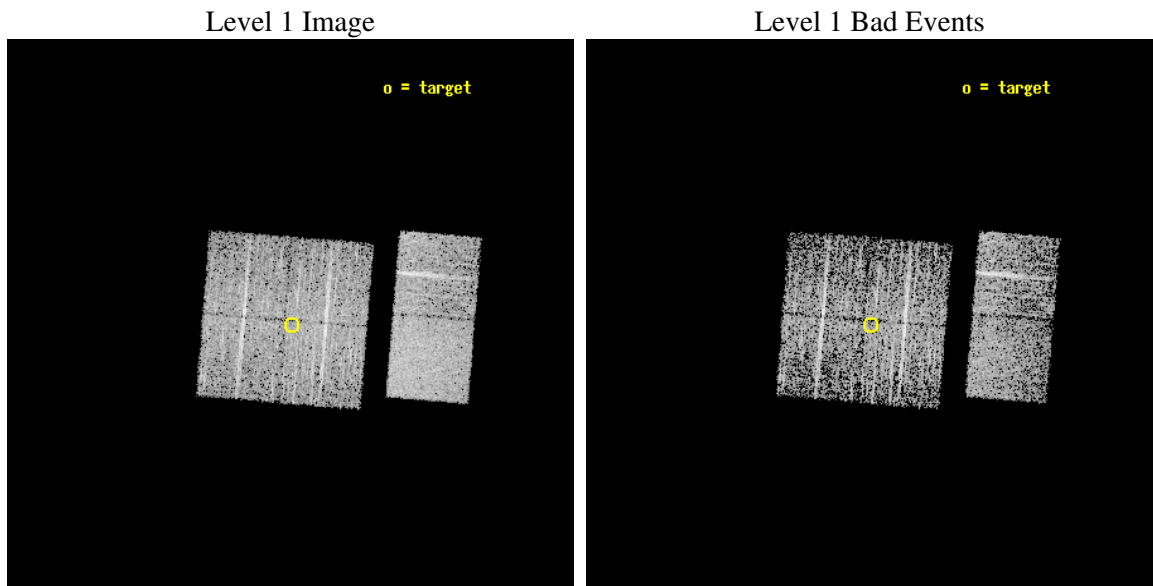
seq_num	200289
obs_id	5181
title	Alternate - Search for beta Pic analogs extension
observer	Professor Gordon Garmire
object	alpha CrA
dtcycle	0
cycle	P
ra_targ	287.367917
dec_targ	-37.904167
ra_nom	287.36956462812
dec_nom	-37.899649569862
roll_nom	94.733264232864
revision	2
ontime	3183.9999881387
livetime	3143.6822631142
ontime0	3183.9999881387
ontime1	3183.9999881387
ontime2	3183.9999881387
ontime3	3183.9999881387
ontime6	3183.9999881387
ontime7	3183.9999881387
l2events	23666



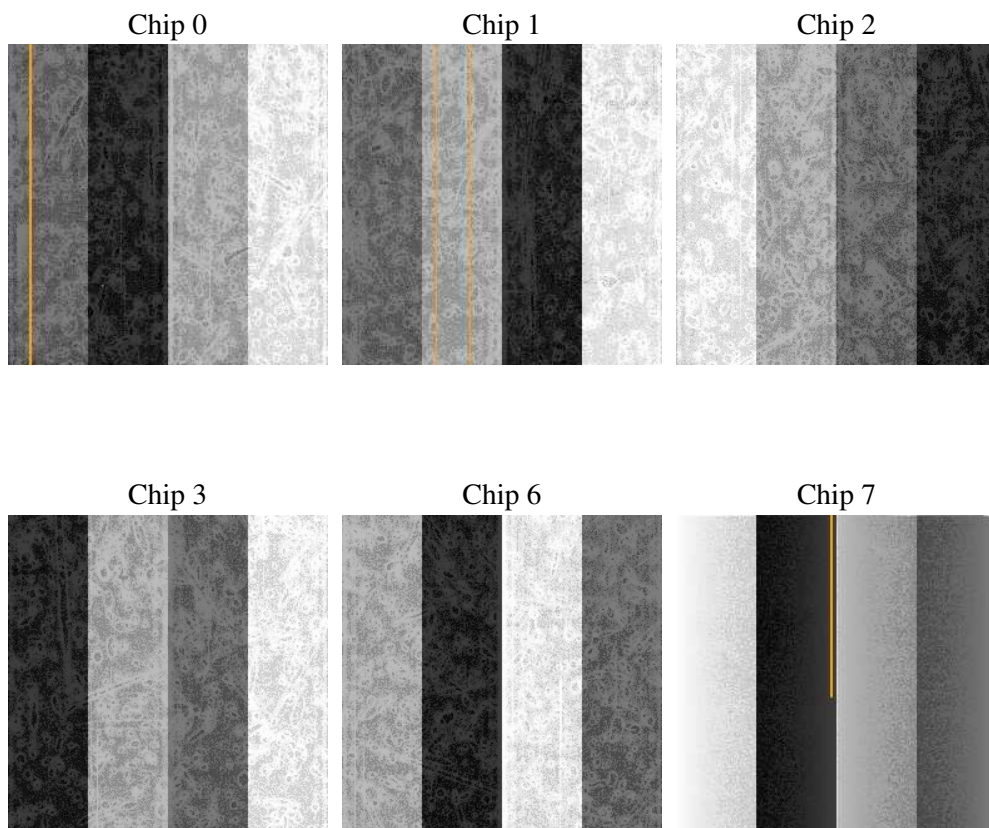
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-25T11:59:27
revision	2

sched_exp_time	3000.000000
ontime	3545.6551263332
ontime0	3545.6551263332
ontime1	3545.6551263332
ontime2	3545.6551263332
ontime3	3545.6551263332
ontime6	3545.6551263332
ontime7	3545.6551263332
l1events	155250

### 2.1.4 Events

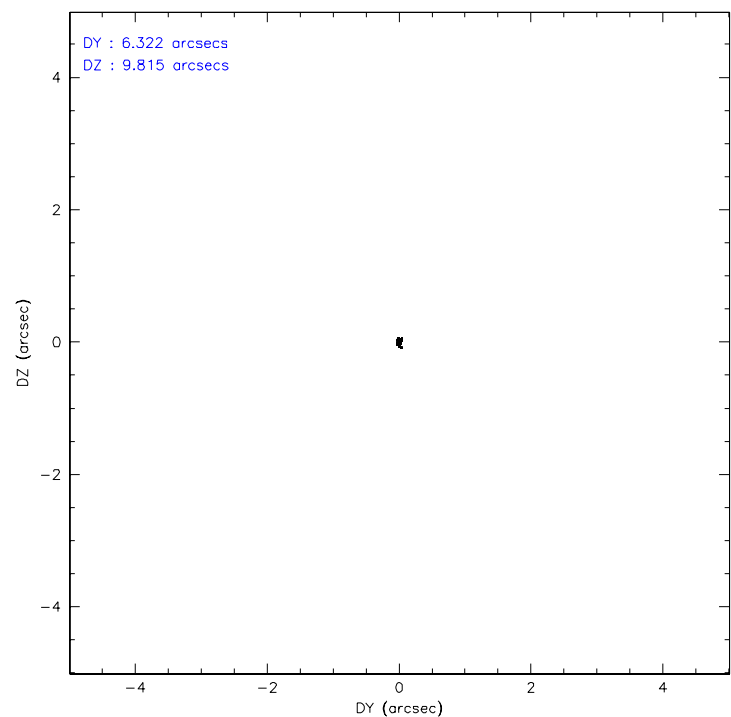
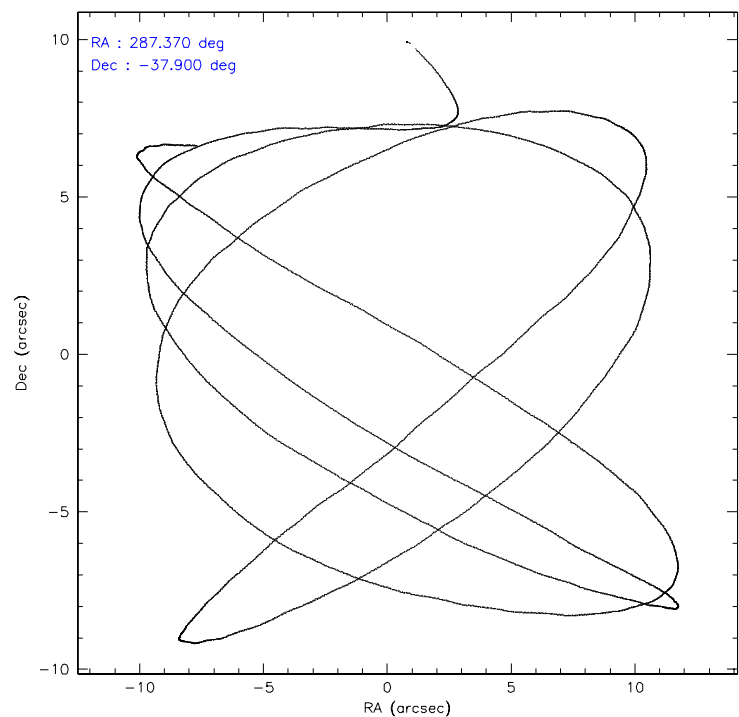
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	21944	23655	24661	26191	25253	33546
rejected events	18961	20689	21853	23327	22469	21969
rejected %	86%	87%	88%	89%	88%	65%

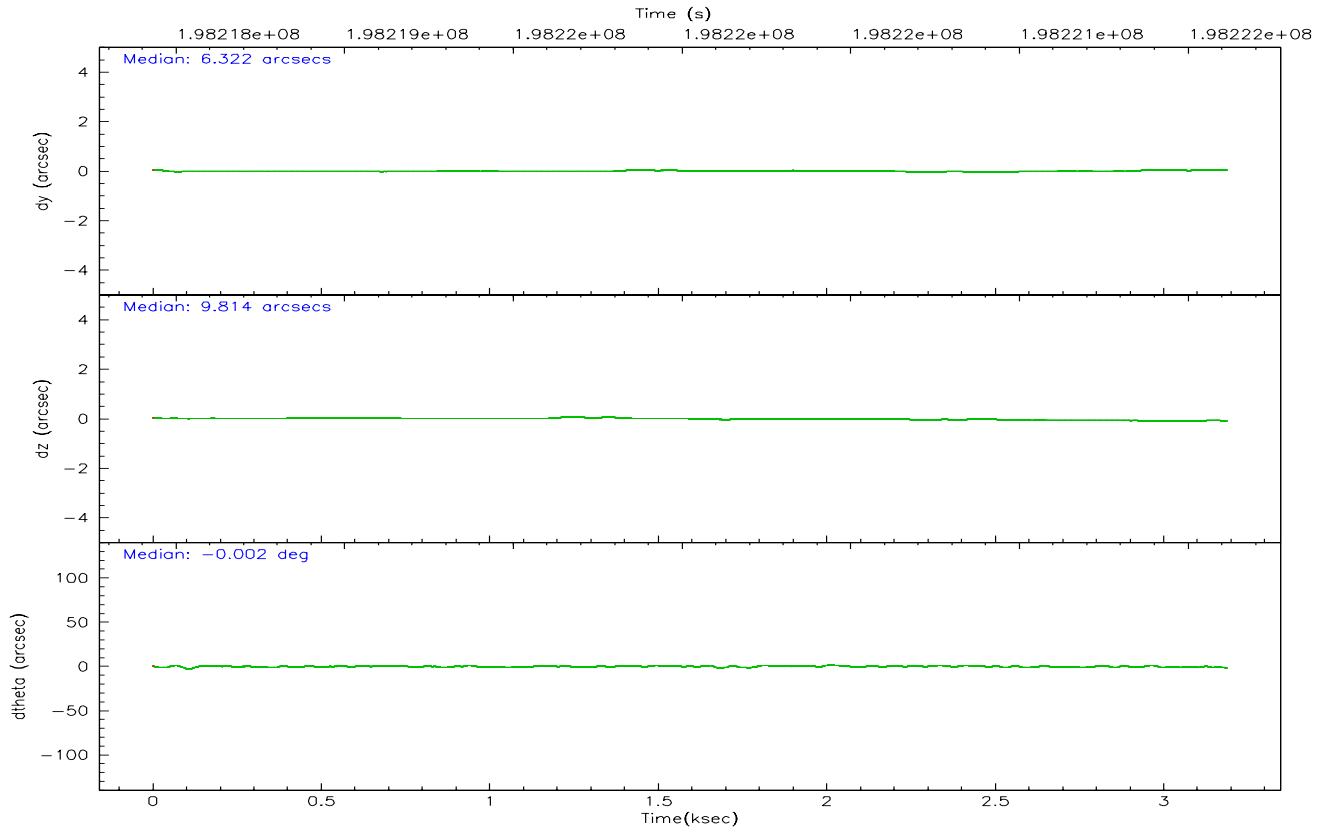
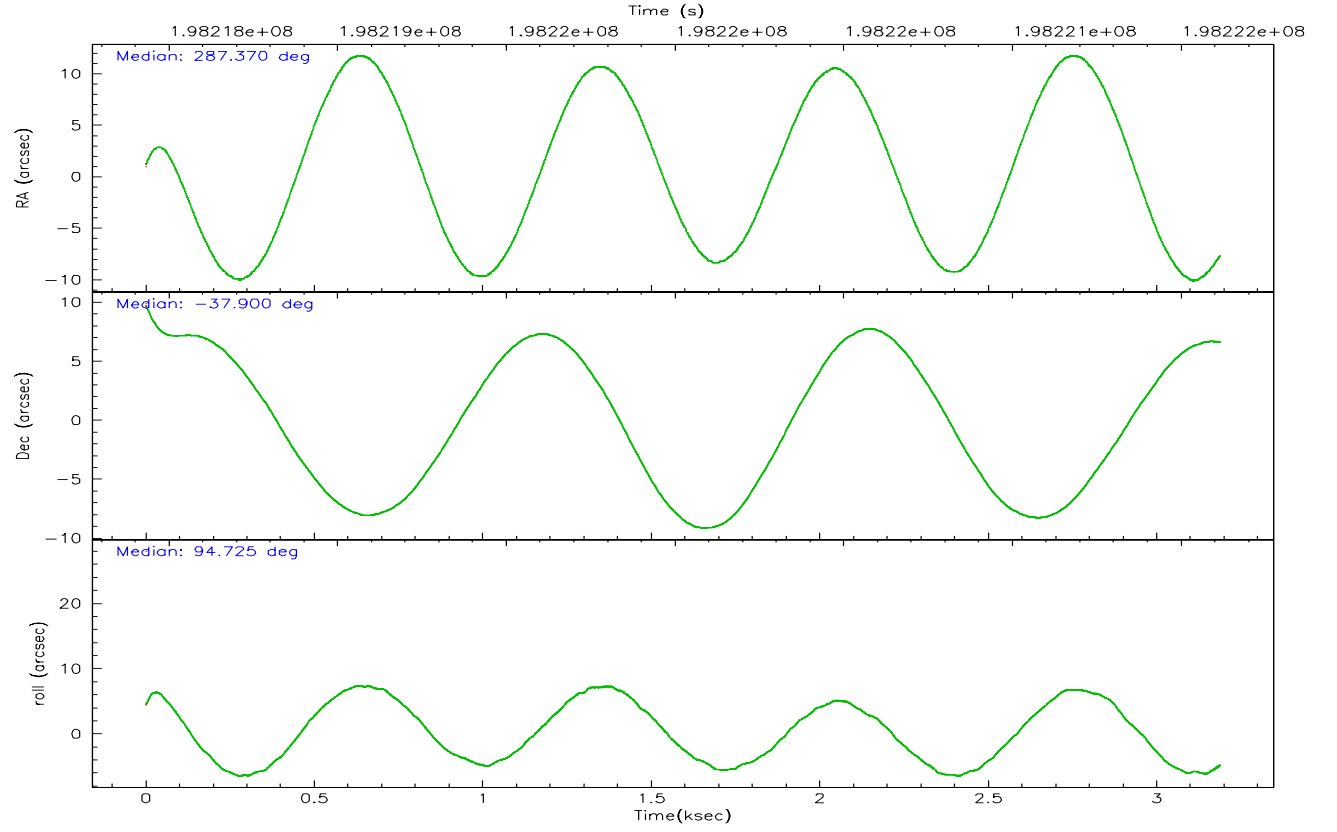
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1448	1324	1443	1385	1289	712
	6%	5%	5%	5%	5%	2%
grade 1 events	13	10	14	19	8	13
	0%	0%	0%	0%	0%	0%
grade 2 events	724	769	650	611	691	3274
	3%	3%	2%	2%	2%	9%
grade 3 events	308	274	268	302	257	706
	1%	1%	1%	1%	1%	2%
grade 4 events	278	300	264	307	271	671
	1%	1%	1%	1%	1%	2%
grade 5 events	955	1043	987	1112	1138	2209
	4%	4%	4%	4%	4%	6%
grade 6 events	582	647	510	563	599	7480
	2%	2%	2%	2%	2%	22%
grade 7 events	17636	19288	20525	21892	21000	18481
	80%	81%	83%	83%	83%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	NONE	NONE
Pointing RA	287.389645	287.3695646281178	Alternating exposures requested	N	N
Pointing Dec	-37.922202	-37.89964956986159	Primary exposure time	0.000000	3.2
Pointing Roll	94.536904	94.73326423286376			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	198218622.184000	198217386.25066			
Observation start date	2004-04-13T04:42:38	2004-04-13T04:23:06			
Observation end time	198221622.184000	198222711.6384			
Observation end date	2004-04-13T05:32:38	2004-04-13T05:51:51			
Read mode	TIMED	TIMED			

2.3 Aspect





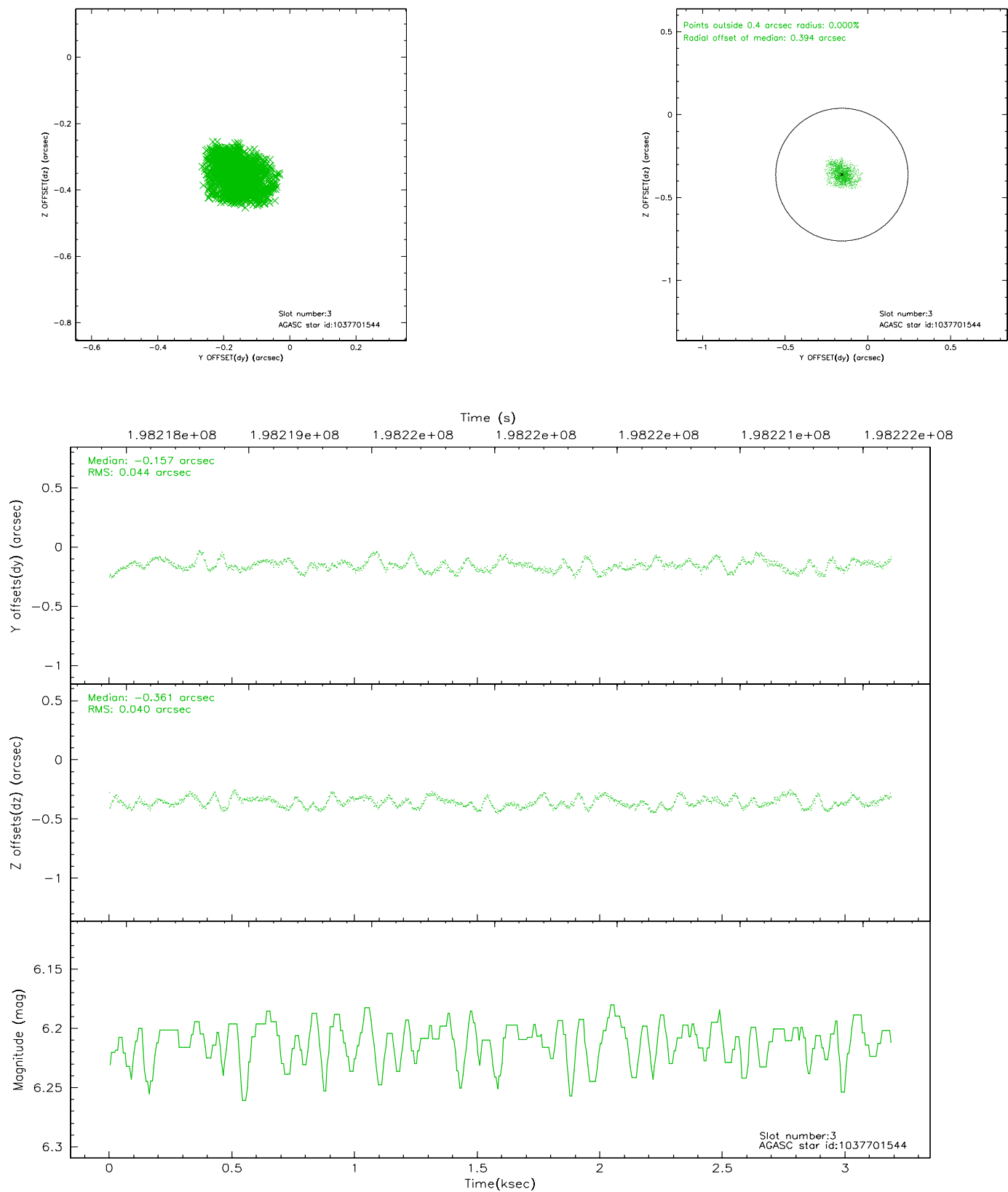
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	778	-0.030	0.050	0.008	0.016	0.000000	0.000000	933.35	-833.22
1	FID	ACIS-I-4	7.18	778	0.056	0.004	0.007	0.013	0.000000	0.000000	2154.59	1065.54
2	FID	ACIS-I-5	7.22	778	-0.125	0.018	0.006	0.012	0.000000	0.000000	-1812.18	1065.68
3	GUIDE	1037701544	6.21	1556	-0.157	-0.361	0.064	0.102	286.718603	-37.810655	542.23	1871.60
4	GUIDE	1037833536	8.82	1556	0.239	0.117	0.072	0.116	287.675522	-38.433308	-1898.83	-657.35
5	GUIDE	1037834448	7.53	1556	-0.178	0.292	0.075	0.111	288.143933	-37.524035	1248.59	-2259.89
6	GUIDE	1037835640	9.00	1554	0.162	0.168	0.074	0.124	287.861941	-38.242921	-1259.13	-1241.44
7	GUIDE	1037697328	9.53	1553	-0.066	-0.222	0.126	0.195	286.775739	-37.836556	438.30	1714.70

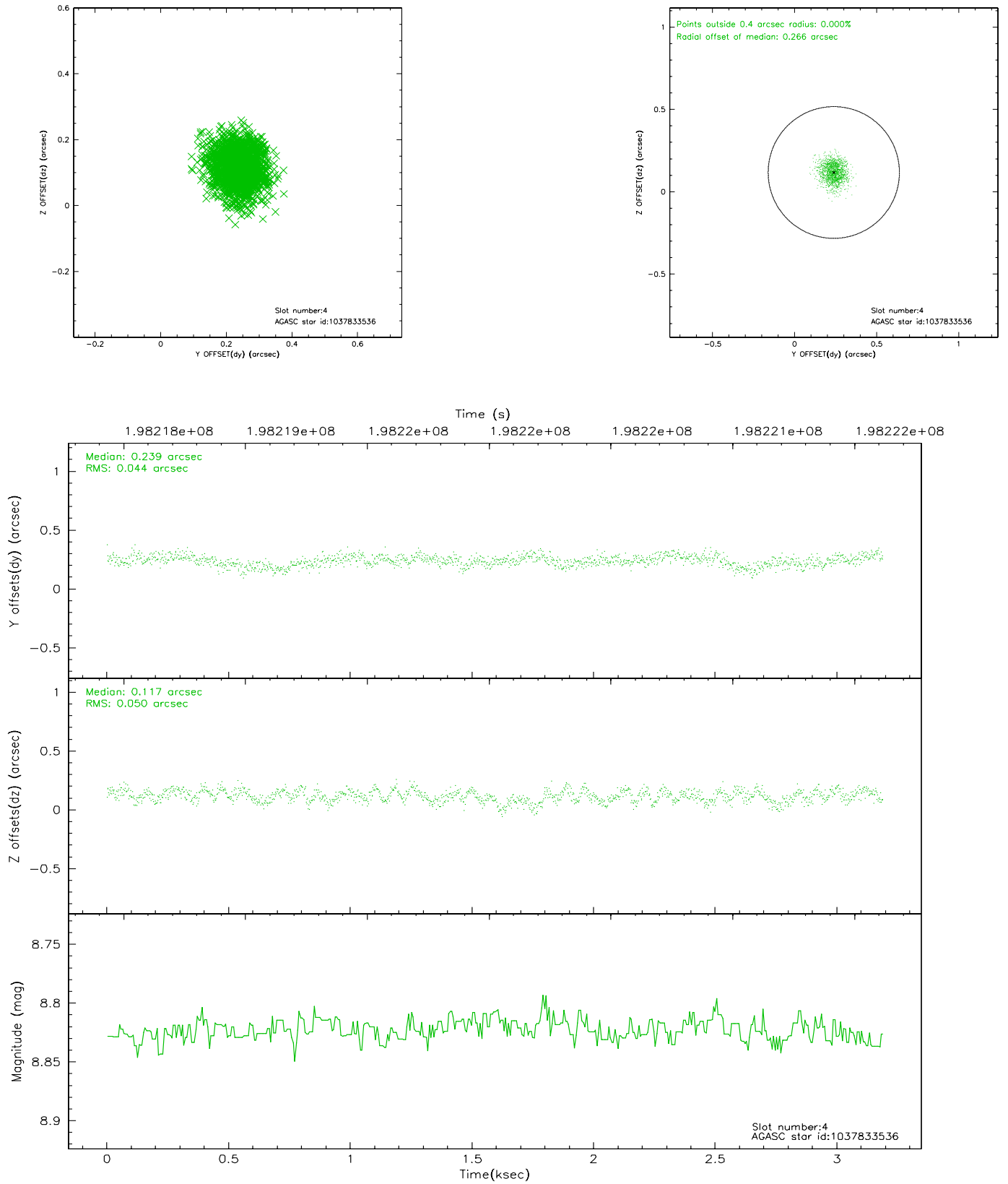


## 2.4 Star Slots

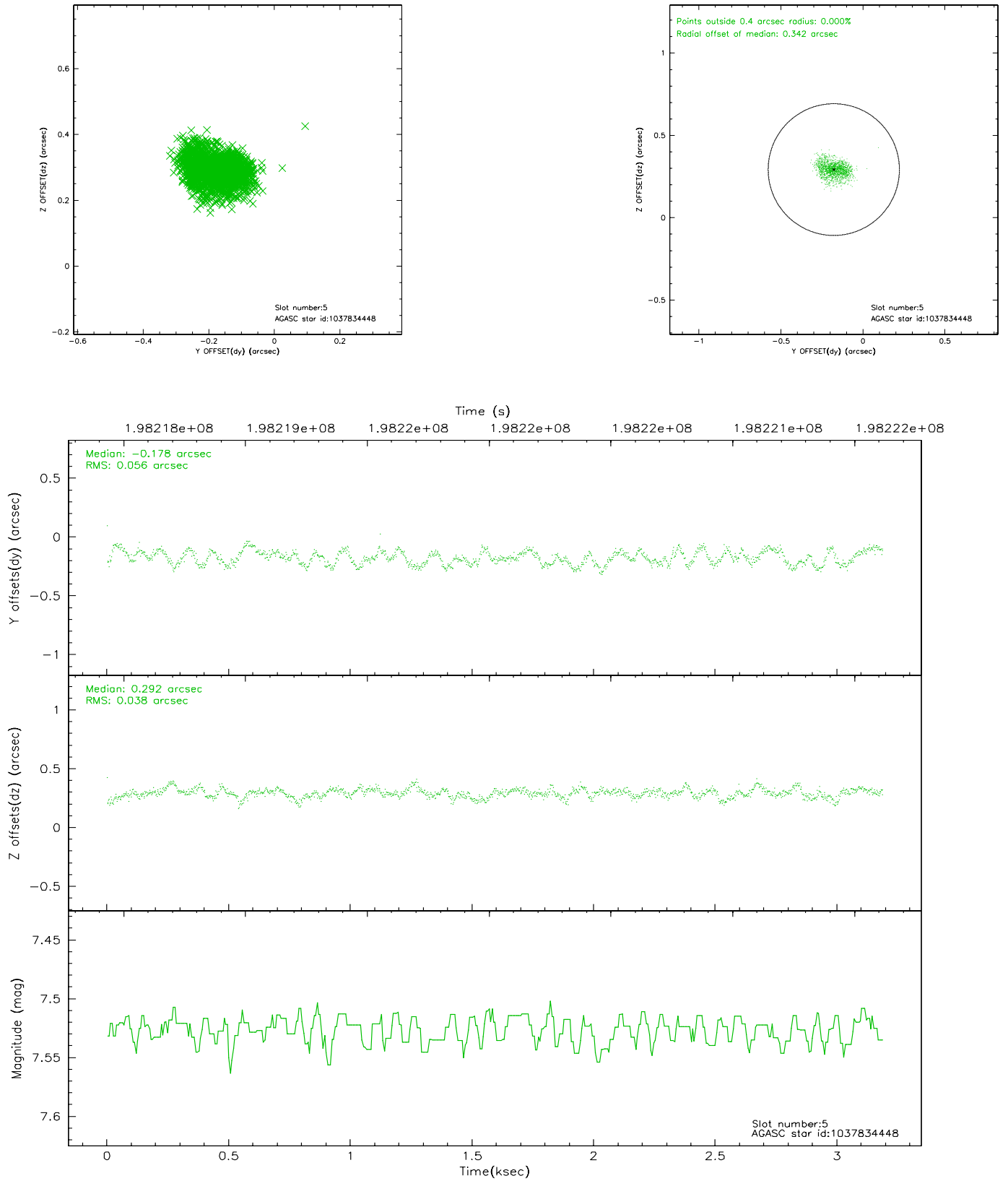
### 2.4.1 Slot 3



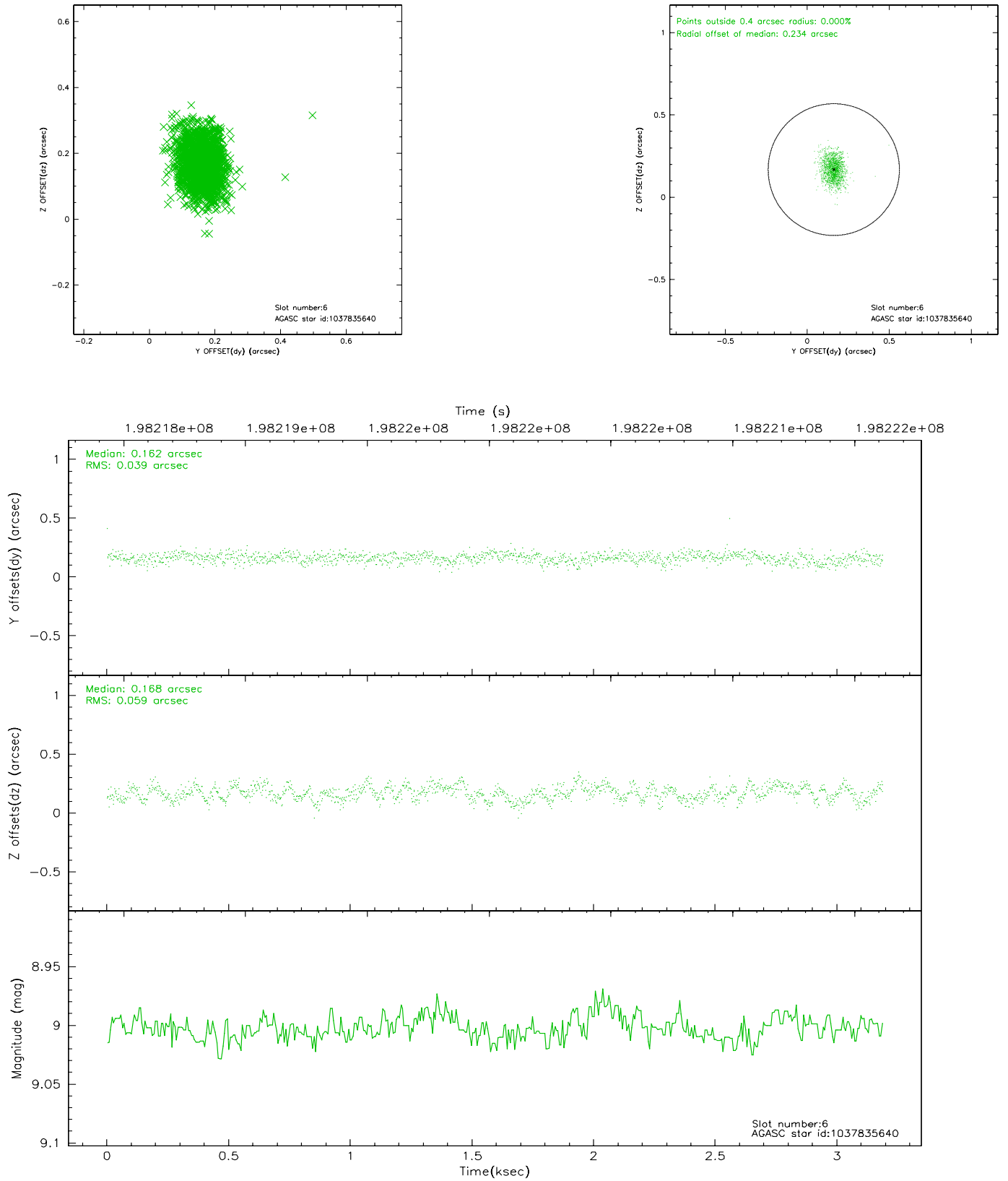
## 2.4.2 Slot 4



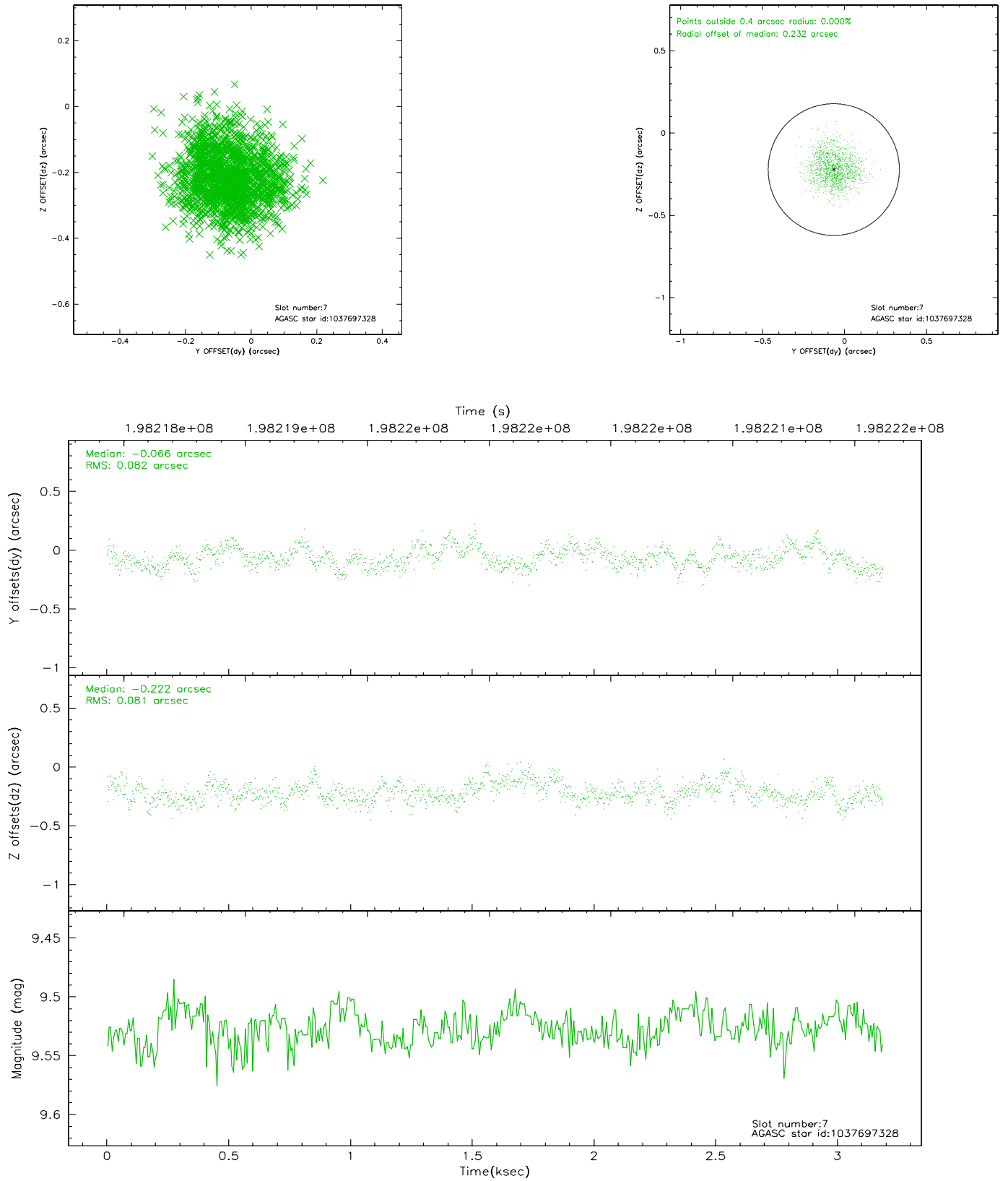
### 2.4.3 Slot 5



## 2.4.4 Slot 6

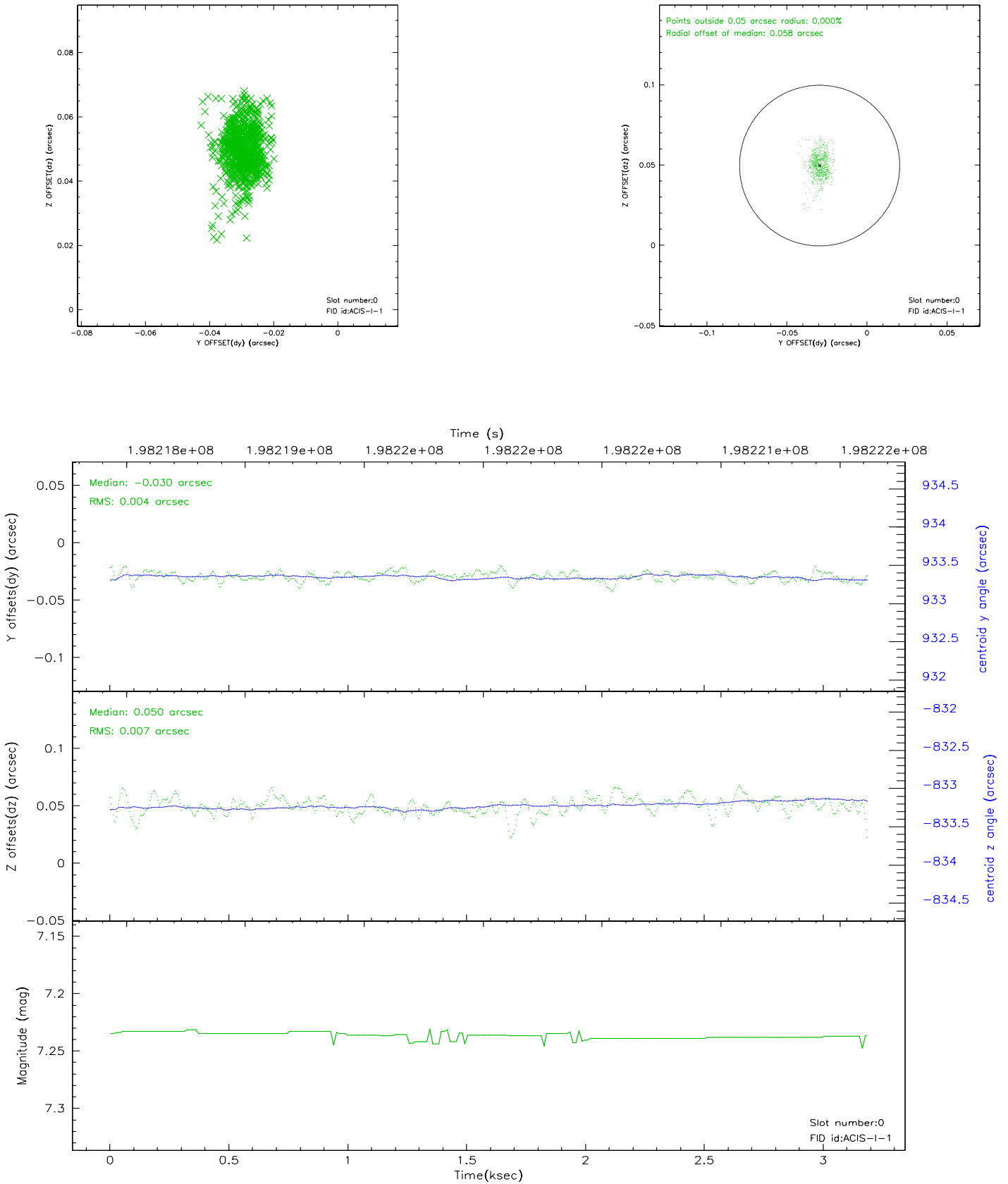


## 2.4.5 Slot 7

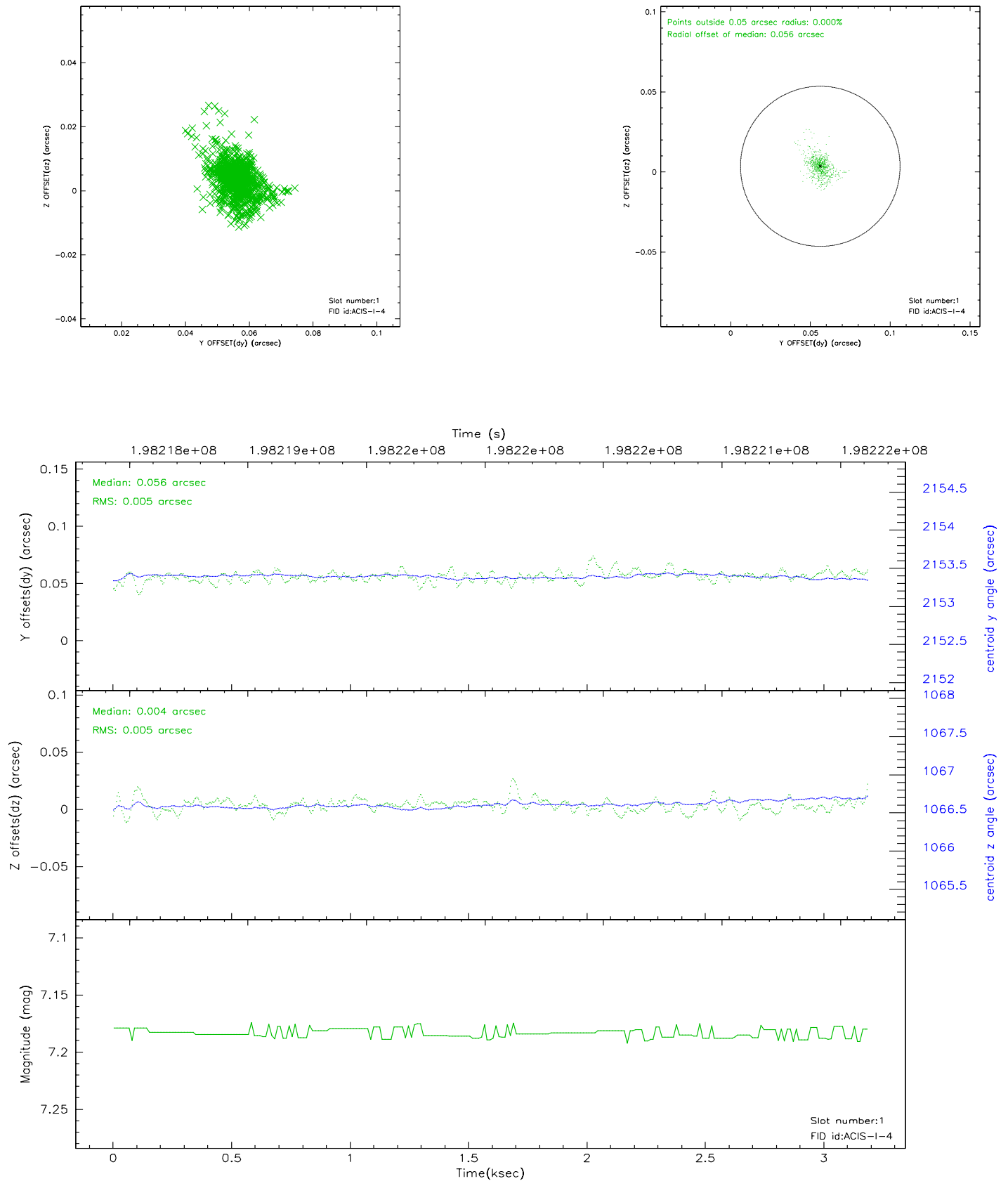


## 2.5 FID Slots

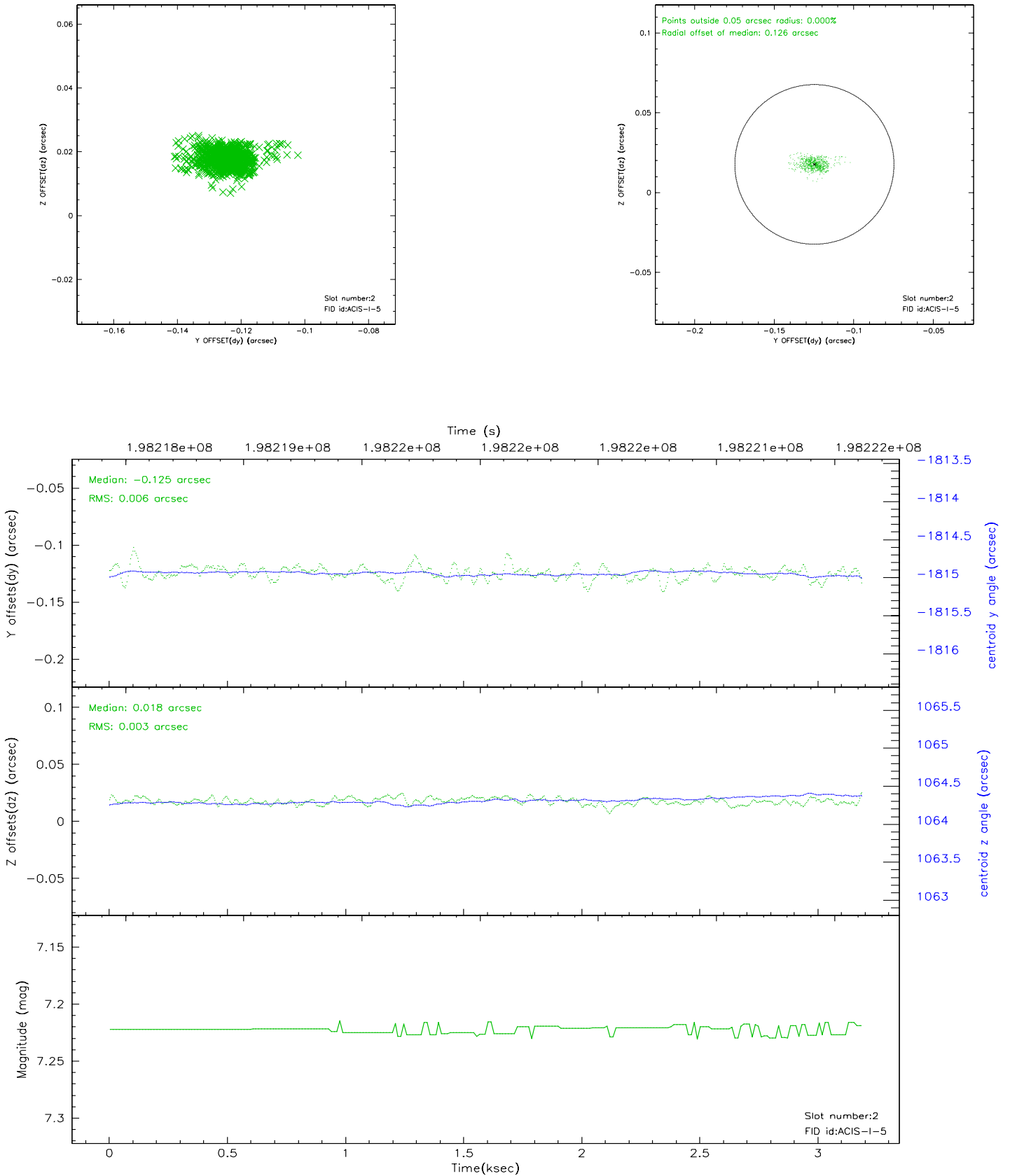
### 2.5.1 Slot 0



## 2.5.2 Slot 1

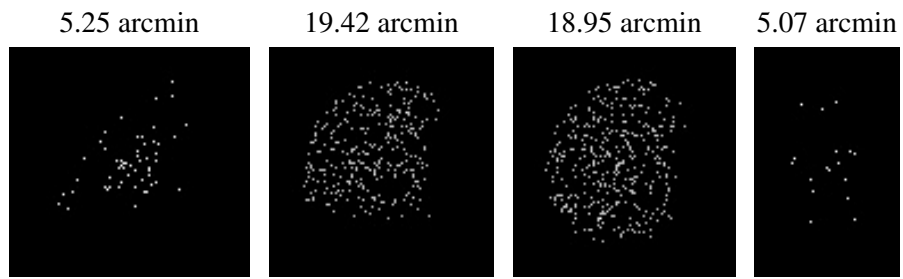


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.183

### A.2 Comments