

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5180 - L2 Version 001  
Chandra X-Ray Center

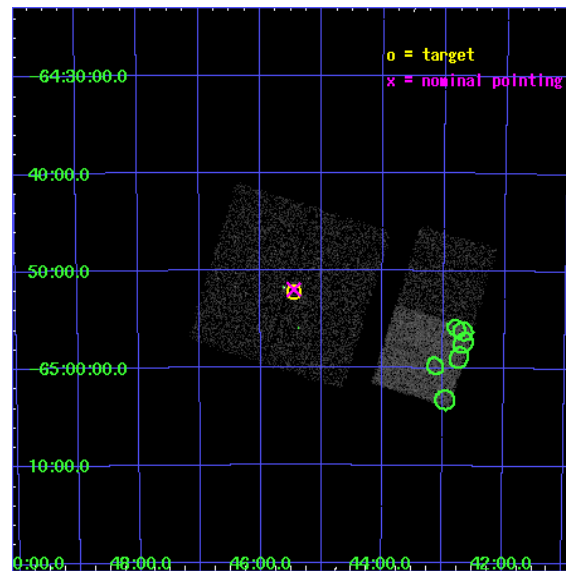
L2 Processing Date : May 29 2006

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# 1 Front

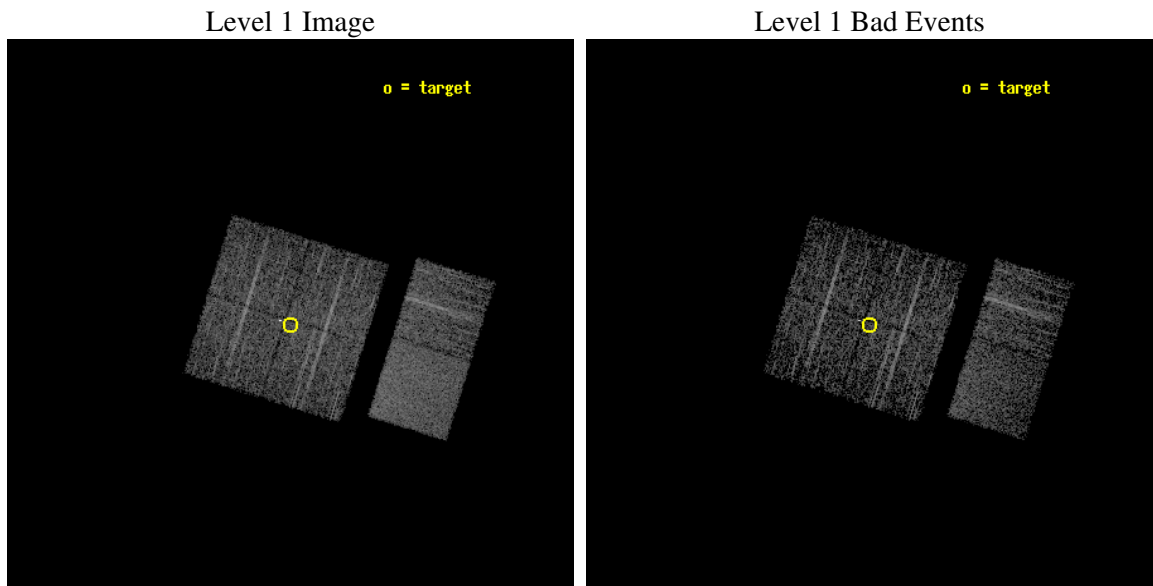
seq_num	200288
obs_id	5180
title	Alternate - Search for beta Pic analogs extension
observer	Professor Gordon Garmire
object	HR 7012
dtcycle	0
cycle	P
ra_targ	281.362083
dec_targ	-64.870833
ra_nom	281.36325014101
dec_nom	-64.866337698702
roll_nom	107.39781319348
revision	2
ontime	2982.3999888897
livetime	2944.6350444447
ontime0	2982.3999888897
ontime1	2982.3999888897
ontime2	2982.3999888897
ontime3	2982.3999888897
ontime6	2982.3999888897
ontime7	2982.3999888897
l2events	21616



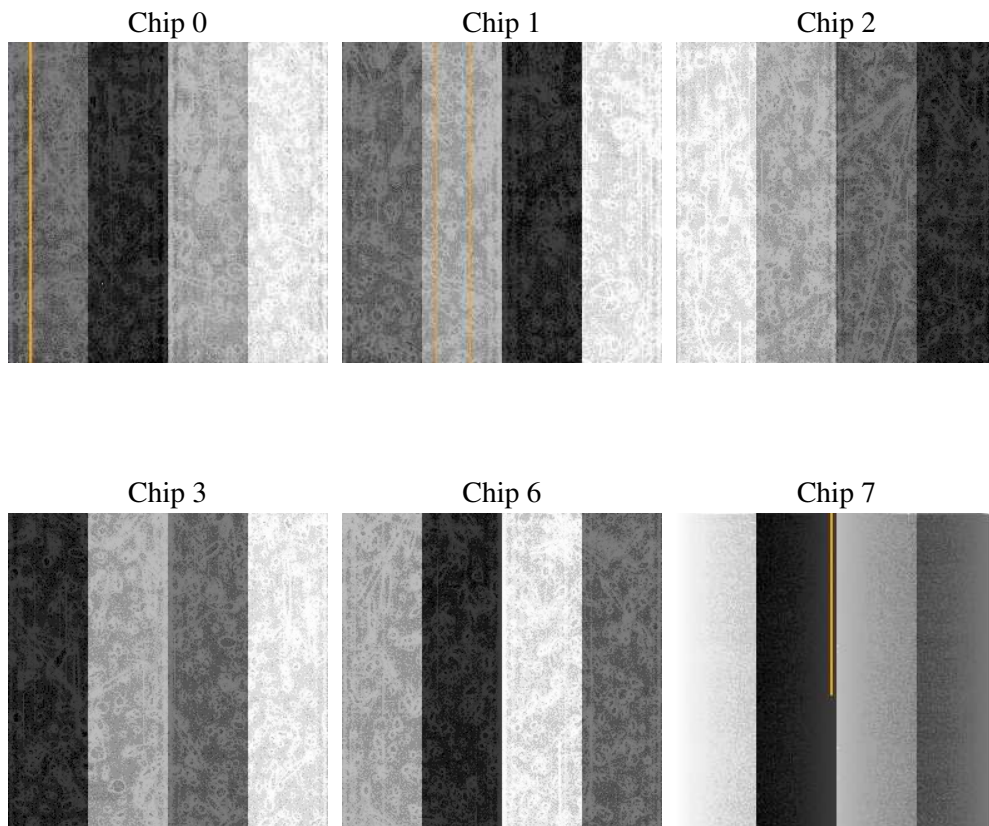
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-29T10:26:09
revision	2

sched_exp_time	3000.000000
ontime	2988.2109712958
ontime0	2988.2109712958
ontime1	2988.2109712958
ontime2	2988.2109712958
ontime3	2988.2109712958
ontime6	2988.2109712958
ontime7	2988.210991174
l1events	124363

### 2.1.4 Events

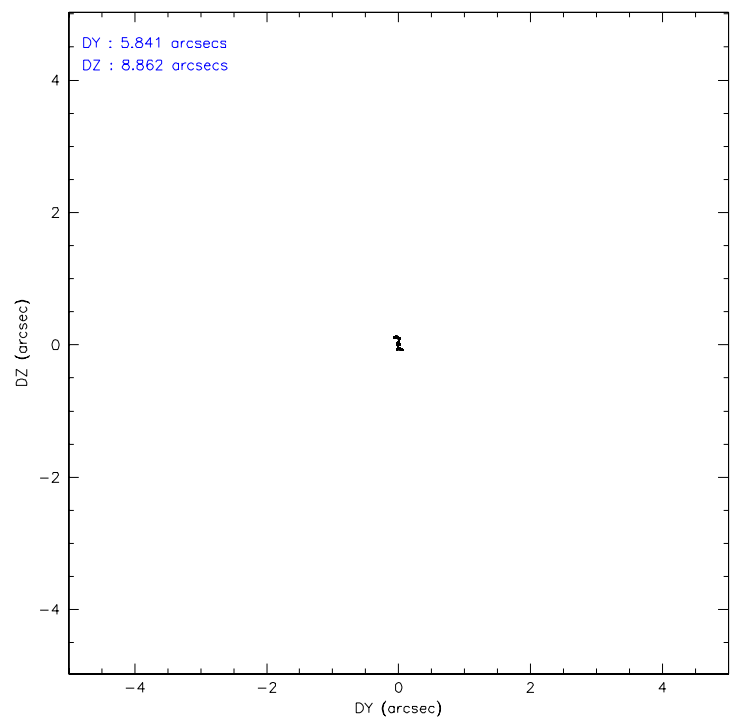
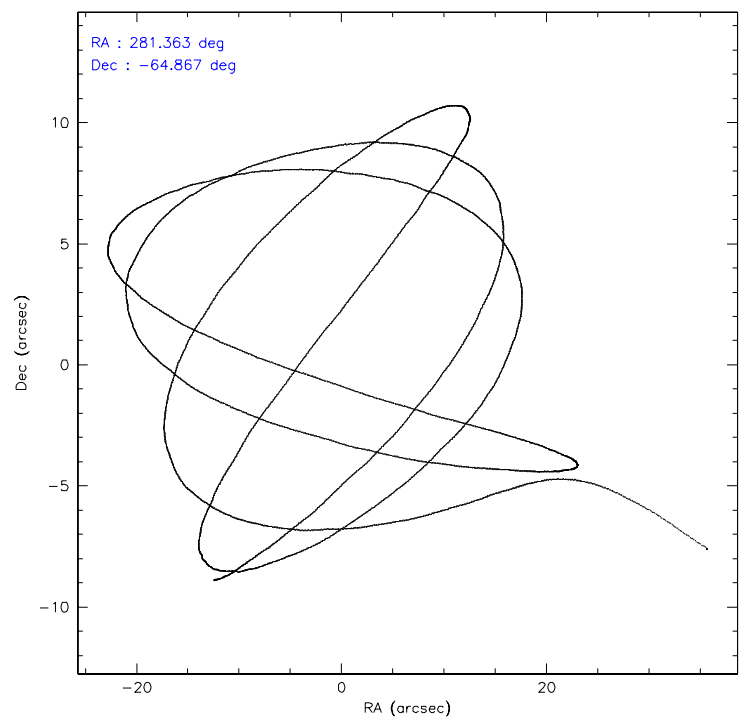
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	17685	19215	19582	19672	20810	27399
rejected events	15160	15832	17114	17260	18353	17022
rejected %	85%	82%	87%	87%	88%	62%

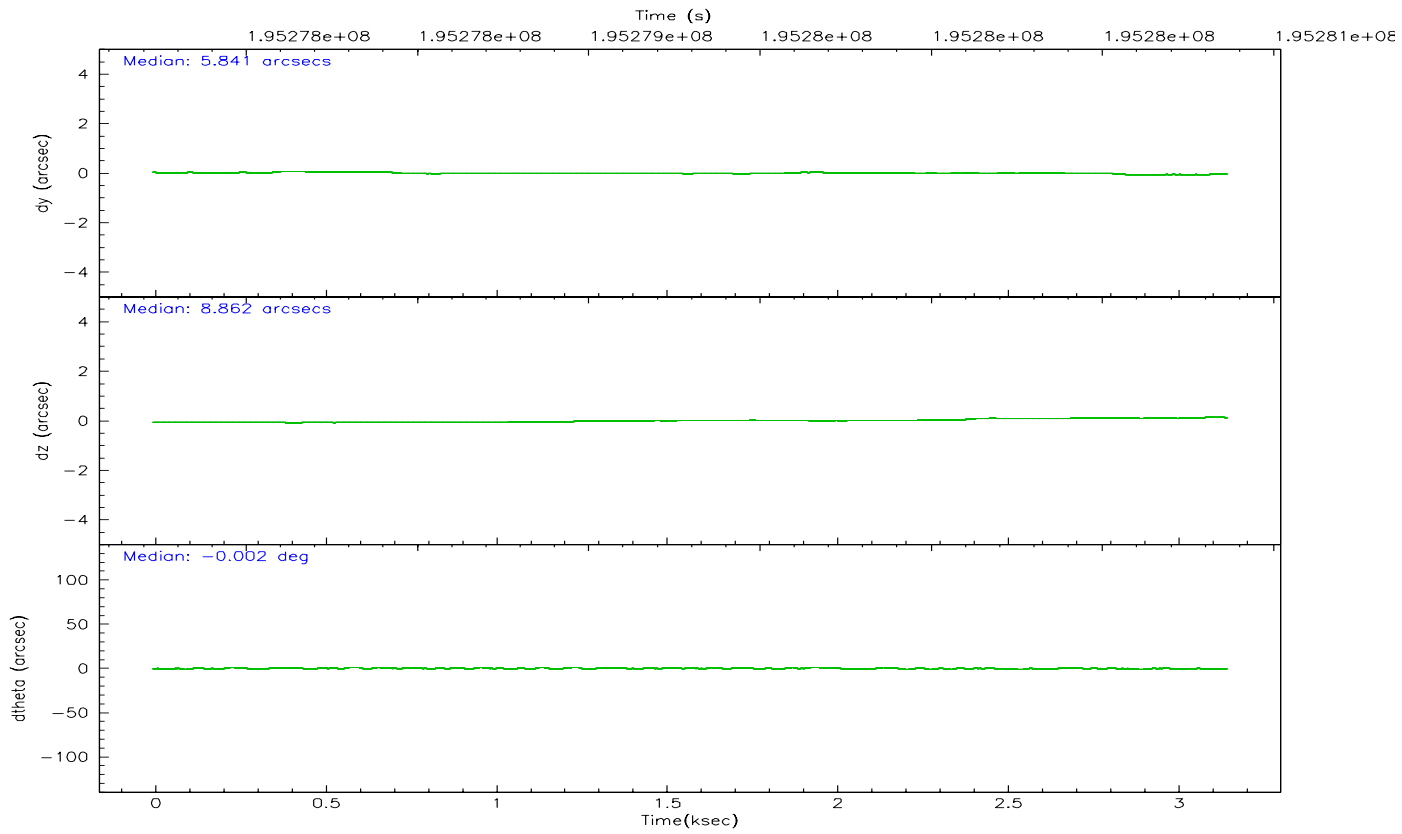
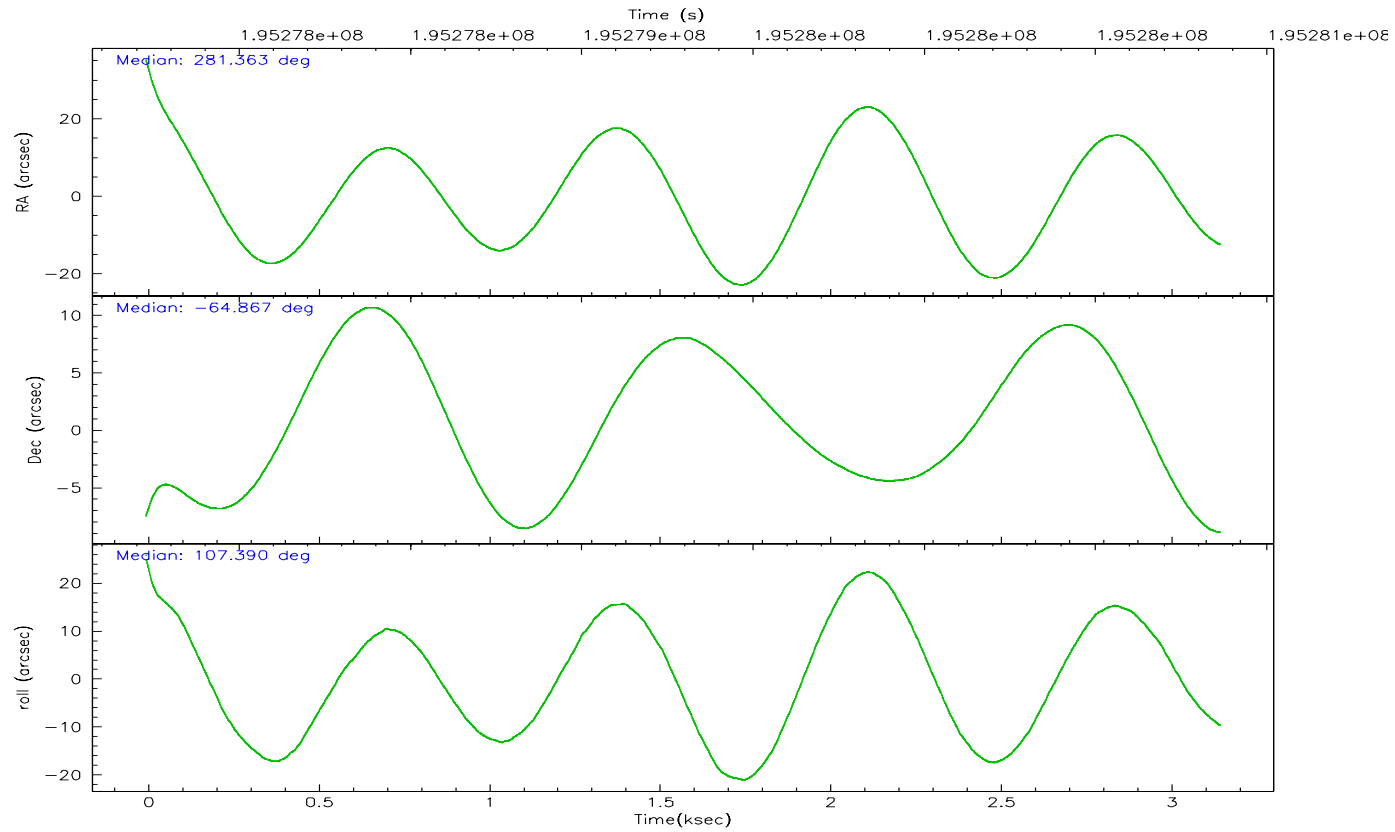
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1110	1523	1189	1142	1011	597
	6%	7%	6%	5%	4%	2%
grade 1 events	18	116	8	6	8	22
	0%	0%	0%	0%	0%	0%
grade 2 events	525	697	484	421	525	2568
	2%	3%	2%	2%	2%	9%
grade 3 events	250	327	193	215	234	520
	1%	1%	0%	1%	1%	1%
grade 4 events	214	309	210	231	221	508
	1%	1%	1%	1%	1%	1%
grade 5 events	844	932	722	916	974	1804
	4%	4%	3%	4%	4%	6%
grade 6 events	431	532	393	415	472	6201
	2%	2%	2%	2%	2%	22%
grade 7 events	14293	14779	16383	16326	17365	15179
	80%	76%	83%	82%	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	281.410802	281.3632501410058	Alternating exposures requested	N	N
Pointing Dec	-64.884660	-64.86633769870156	Primary exposure time	0.000000	3.2
Pointing Roll	107.232206	107.3978131934803			
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	195277870.184000	195276767.20898			
Observation start date	2004-03-10T03:50:06	2004-03-10T03:32:47			
Observation end time	195280870.184000	195281512.95919			
Observation end date	2004-03-10T04:40:06	2004-03-10T04:51:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect





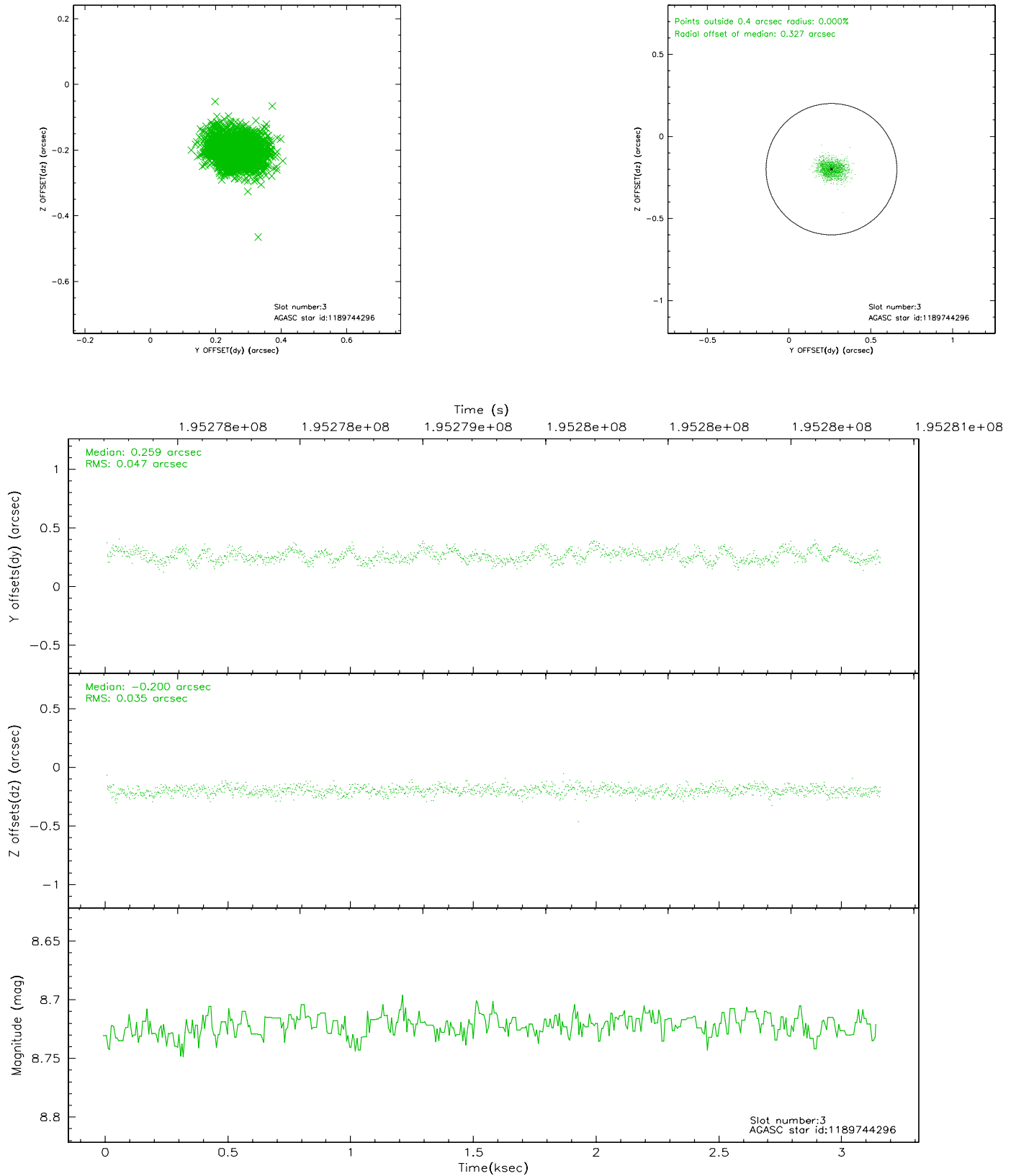
### Slot Statistics

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	769	-0.009	0.068	0.006	0.011	0.000000	0.000000	933.87	-832.24
1	FID	ACIS-I-5	7.23	769	-0.125	0.032	0.006	0.009	0.000000	0.000000	-1813.24	1064.20
2	FID	ACIS-I-6	7.26	769	0.043	-0.030	0.007	0.011	0.000000	0.000000	397.26	1710.94
3	GUIDE	1189744296	8.72	1538	0.259	-0.200	0.063	0.102	280.481024	-65.523860	-1796.28	2008.99
4	GUIDE	1189746576	7.62	1538	0.025	0.139	0.050	0.081	282.384889	-64.790084	-128.57	-1522.39
5	GUIDE	1189750376	9.49	1537	0.080	0.263	0.091	0.148	282.722285	-64.899089	-661.87	-1891.93
6	GUIDE	1189753928	7.98	1538	-0.188	-0.127	0.061	0.097	280.013070	-64.725745	1159.91	1888.30
7	GUIDE	1189745648	8.75	1537	-0.178	-0.073	0.068	0.106	280.511862	-64.323531	2335.47	745.60

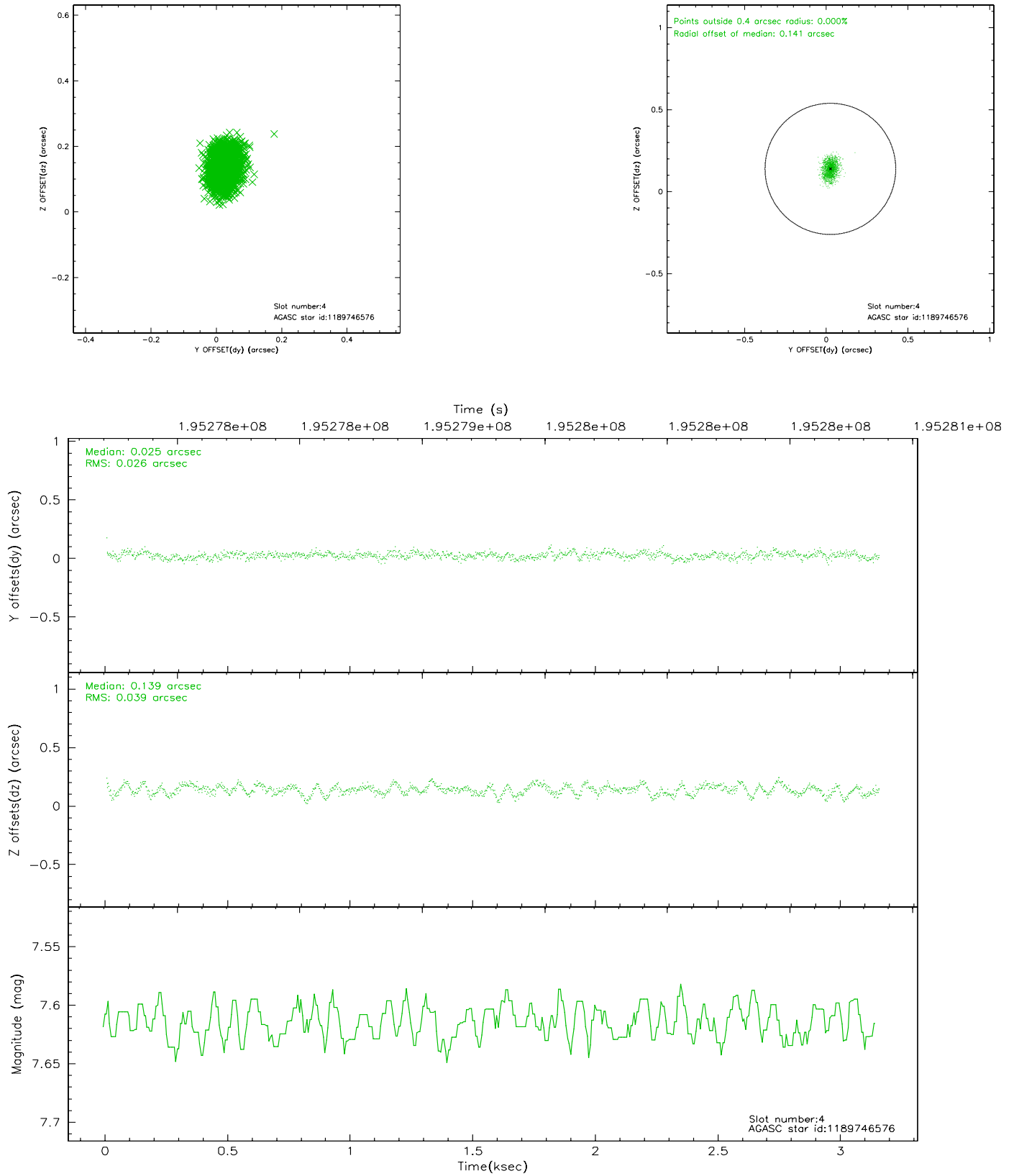


## 2.4 Star Slots

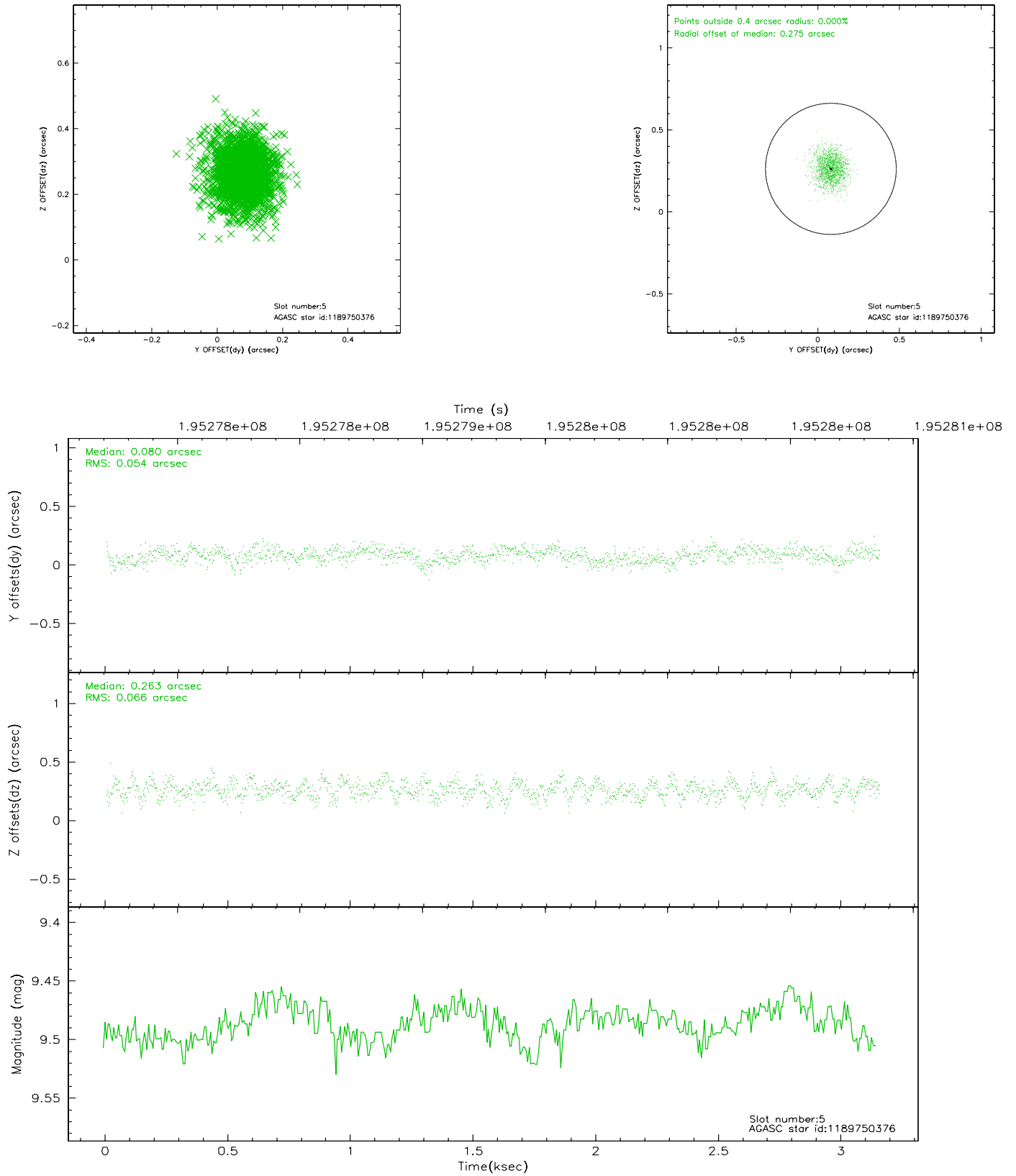
### 2.4.1 Slot 3



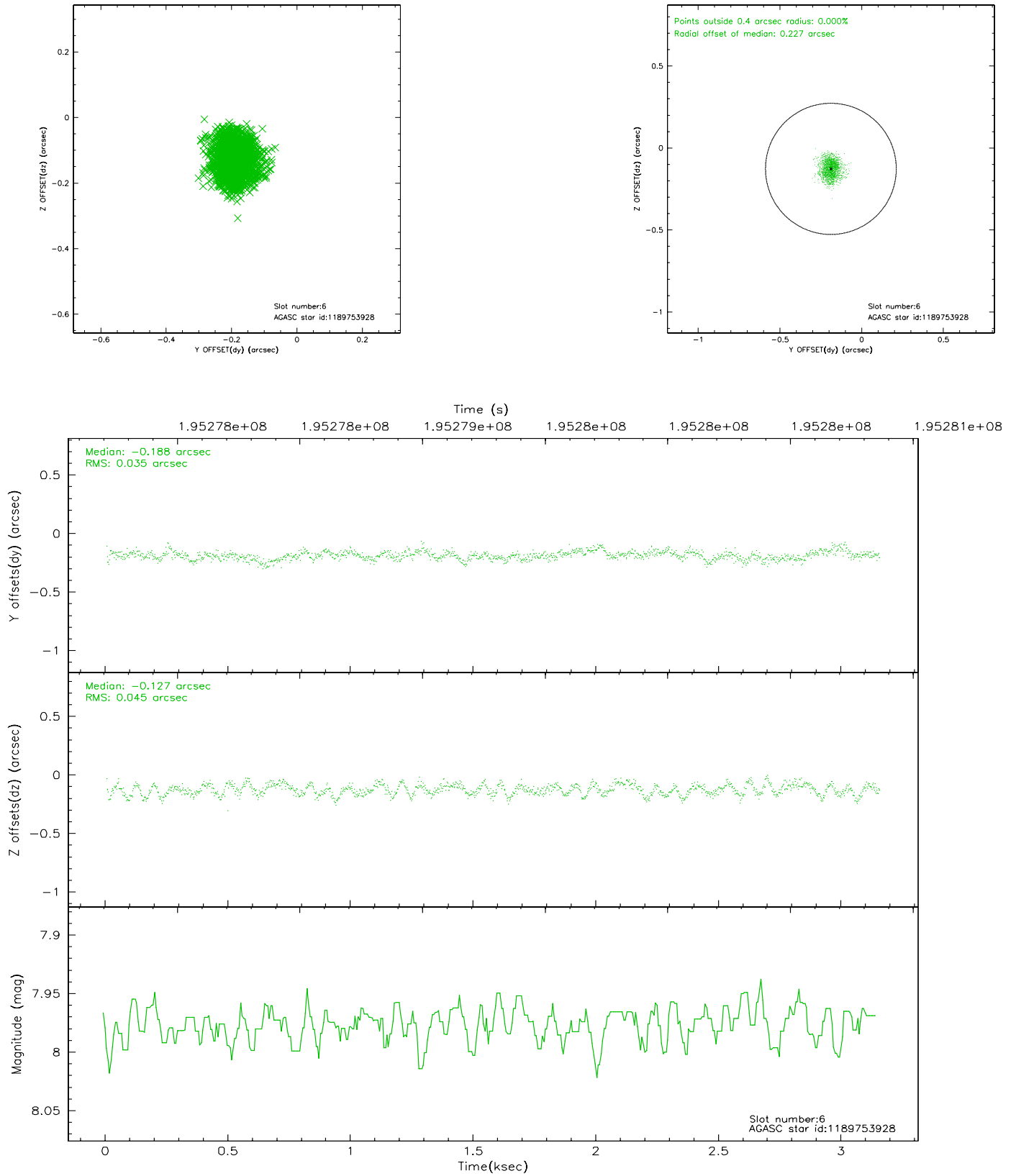
## 2.4.2 Slot 4



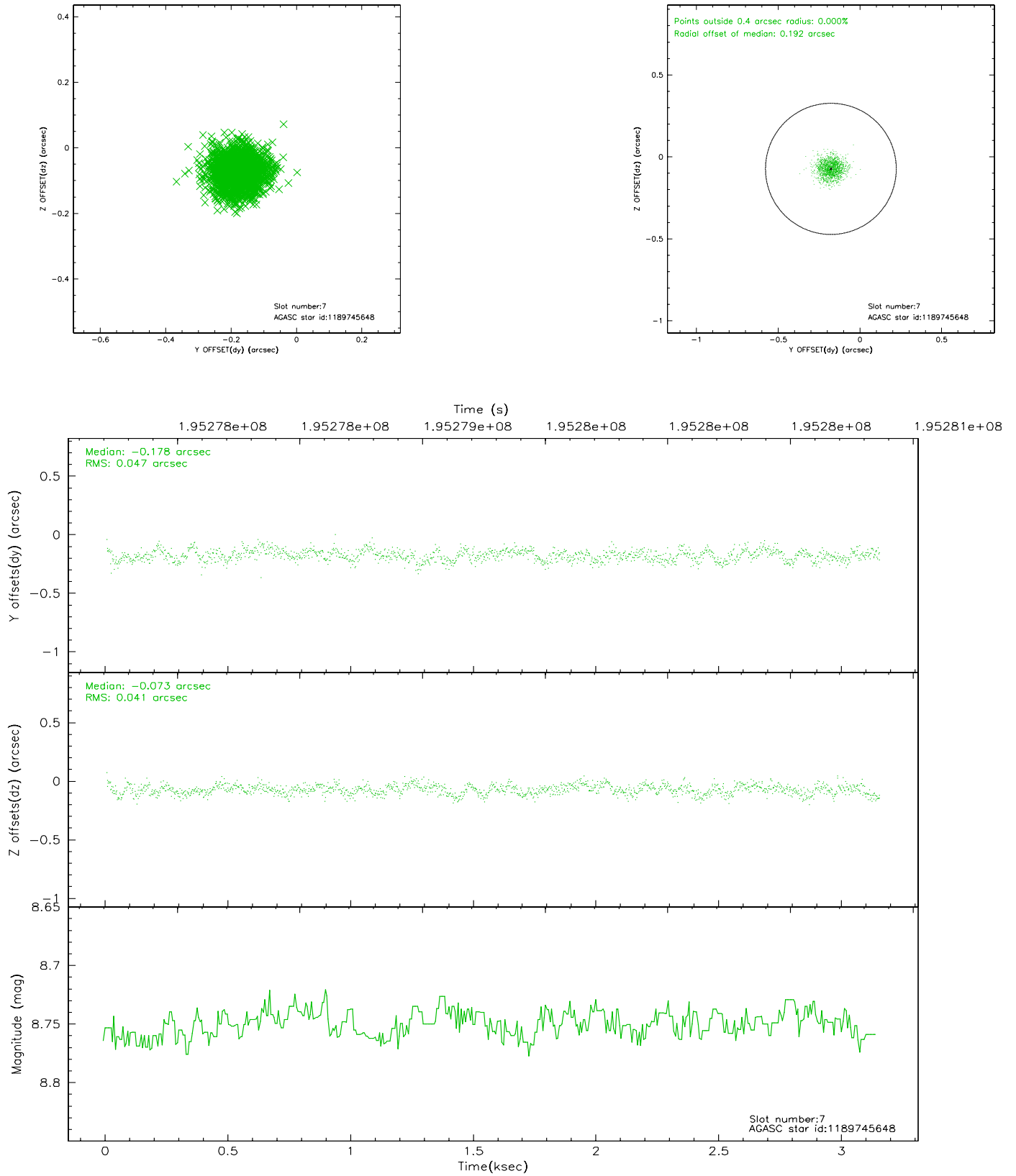
### 2.4.3 Slot 5



## 2.4.4 Slot 6

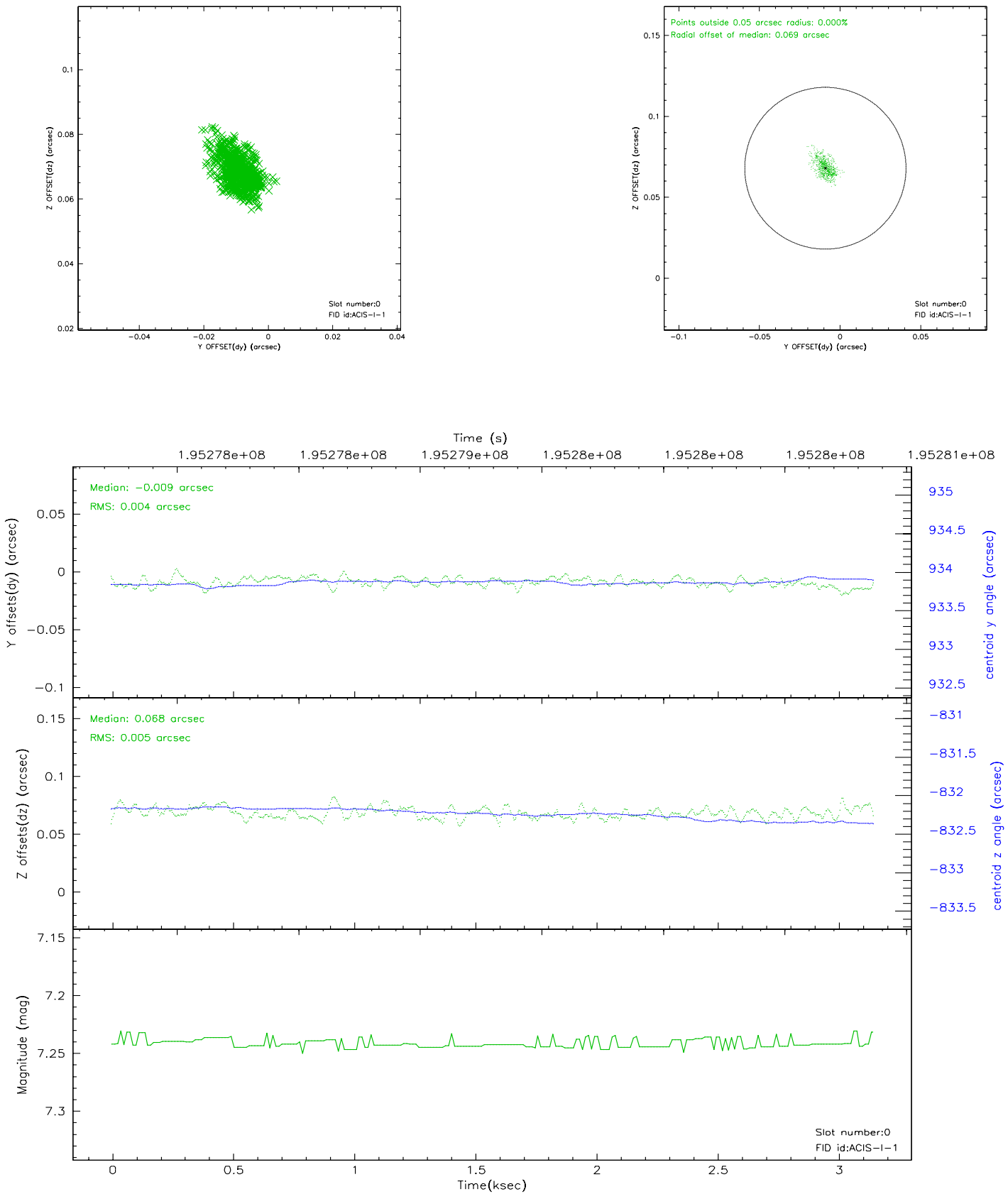


## 2.4.5 Slot 7

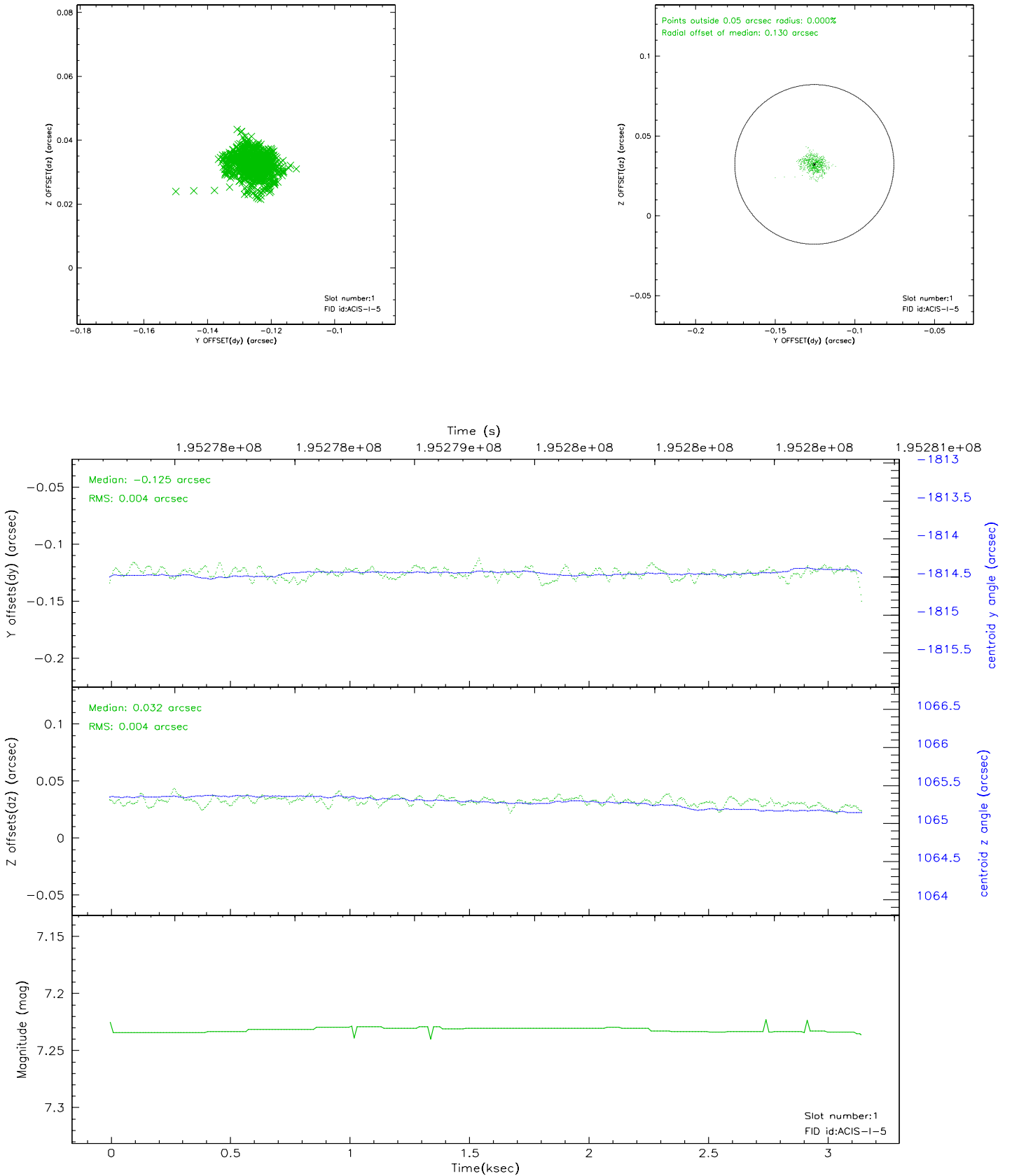


## 2.5 FID Slots

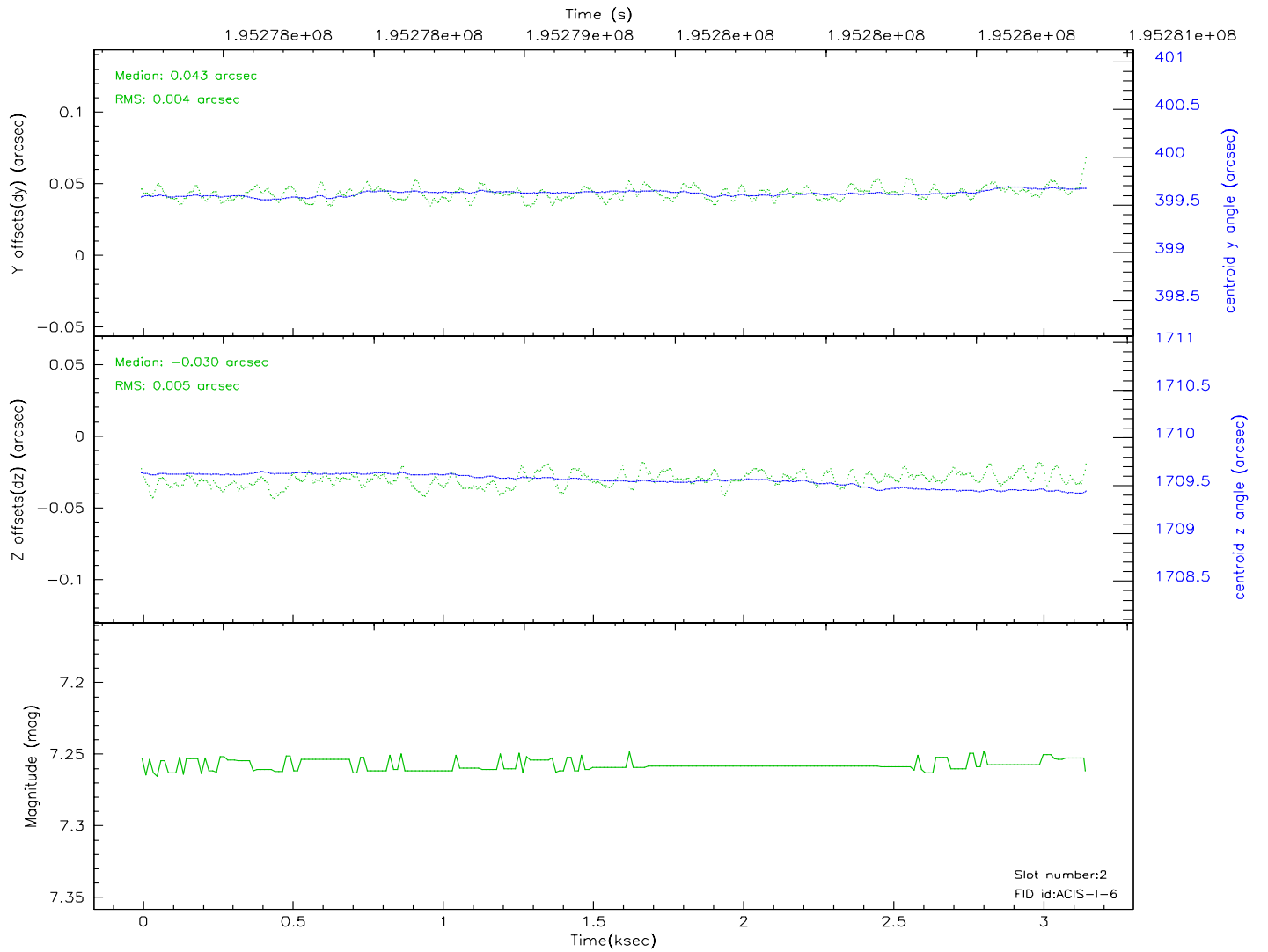
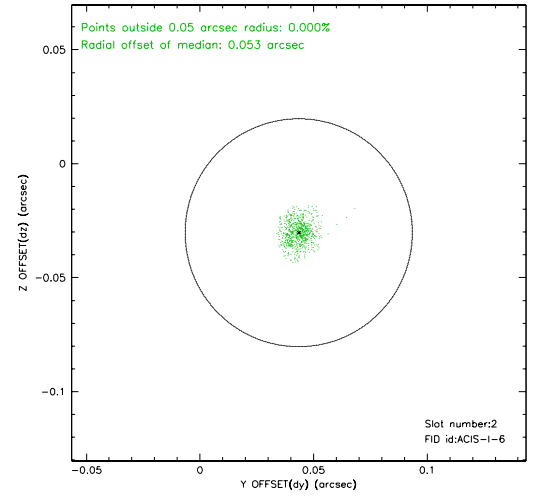
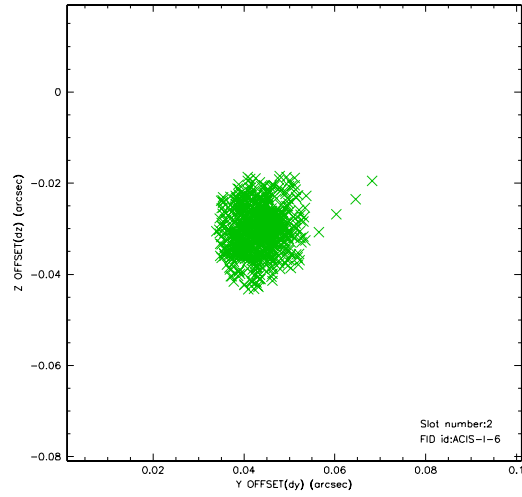
### 2.5.1 Slot 0



## 2.5.2 Slot 1

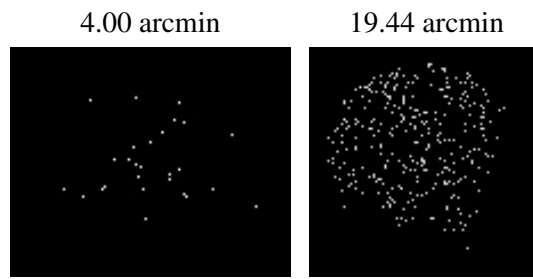


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.985

### A.2 Comments