

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3450 - L2 Version 001  
Chandra X-Ray Center

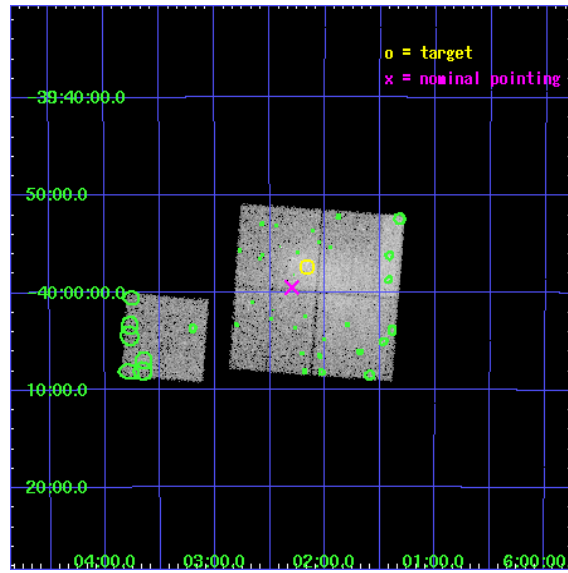
L2 Processing Date : Sep 8 2006

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# 1 Front

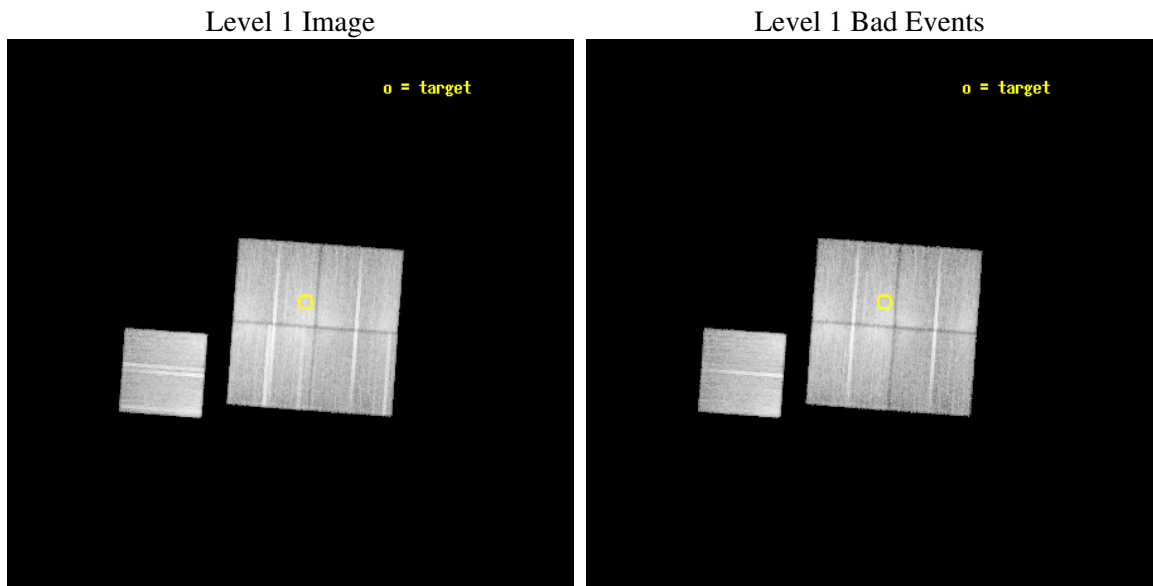
seq_num	800202
obs_id	3450
title	GAS DENSITY DISCONTINUITIES IN MERGING CLUSTERS
observer	Dr Maxim Markevitch
object	A3376
dtcycle	0
cycle	P
ra_targ	90.54167
dec_targ	-39.95583
ra_nom	90.575270494615
dec_nom	-39.991783756014
roll_nom	274.23025873232
revision	2
ontime	20109.699961334
livetime	19846.951926794
ontime0	20103.418140486
ontime1	20109.699961334
ontime2	20103.418000907
ontime3	20109.699961334
ontime6	20109.699961334
l2events	95113



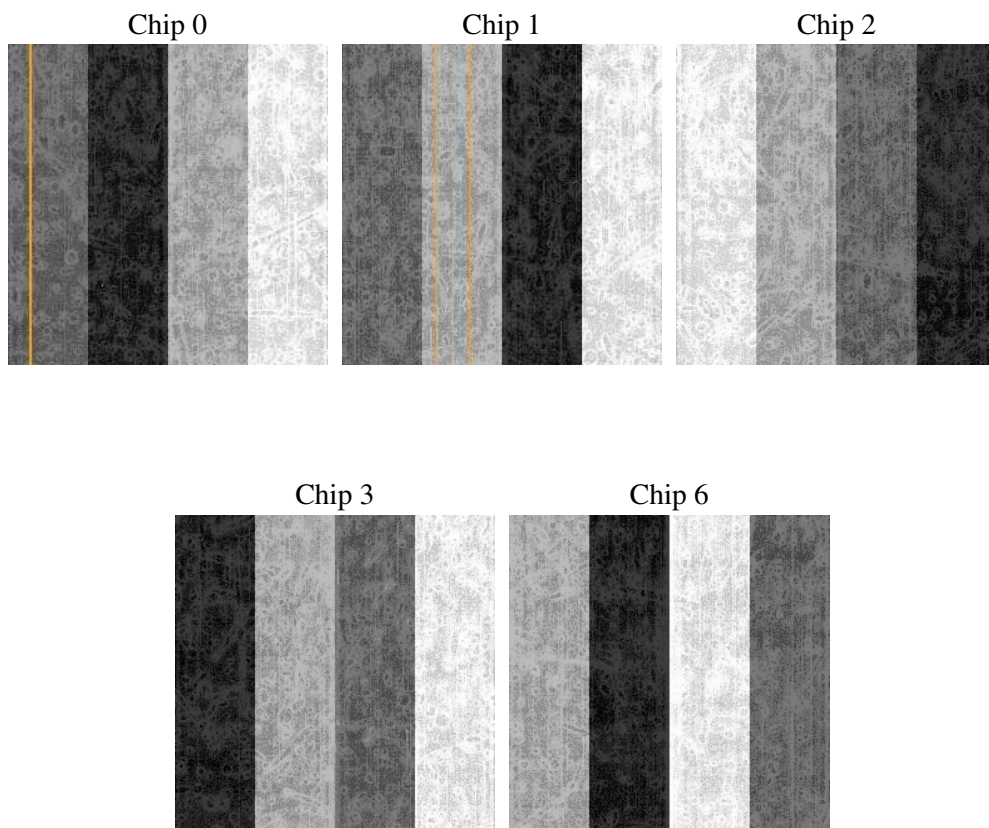
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-09-08T05:30:22
revision	2

sched_exp_time	20000.000000
ontime	20114.97282517
ontime0	20108.691004321
ontime1	20114.97282517
ontime2	20108.690834835
ontime3	20114.97282517
ontime6	20114.97282517
l1events	1088010

### 2.1.4 Events

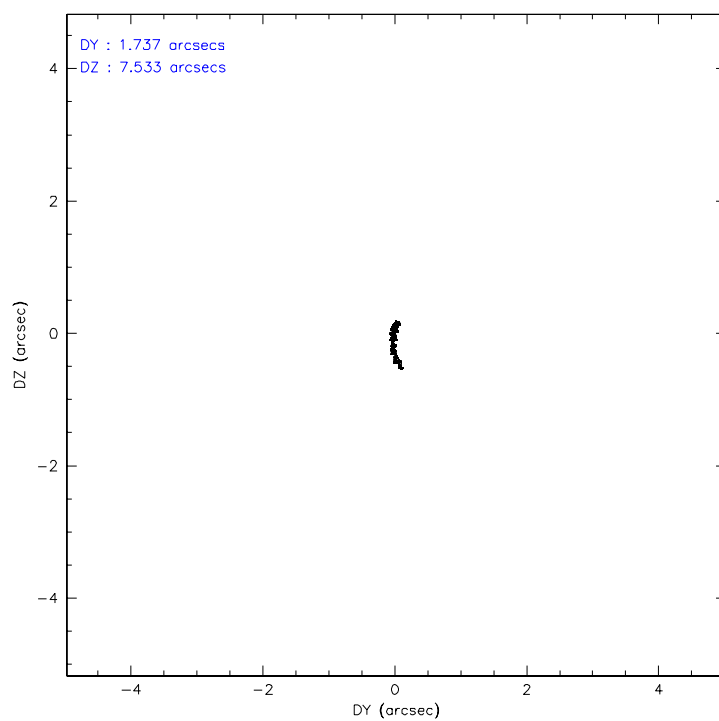
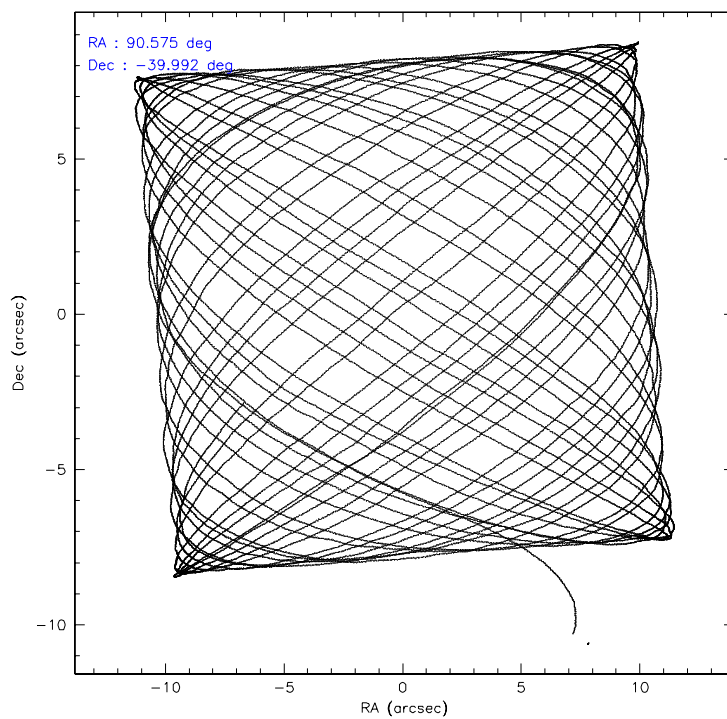
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	175006	199296	256420	223215	234073
rejected events	140289	165985	216785	201215	207212
rejected %	80%	83%	84%	90%	88%

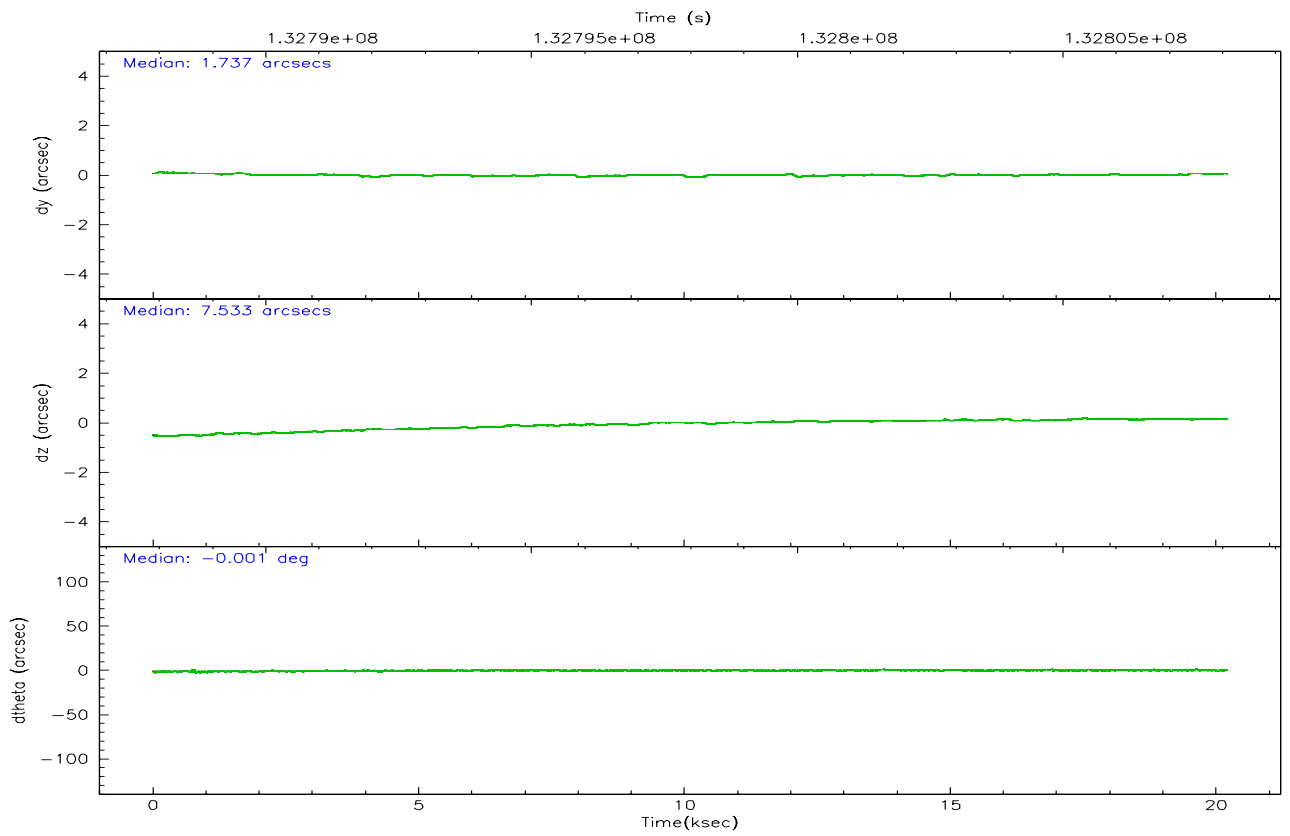
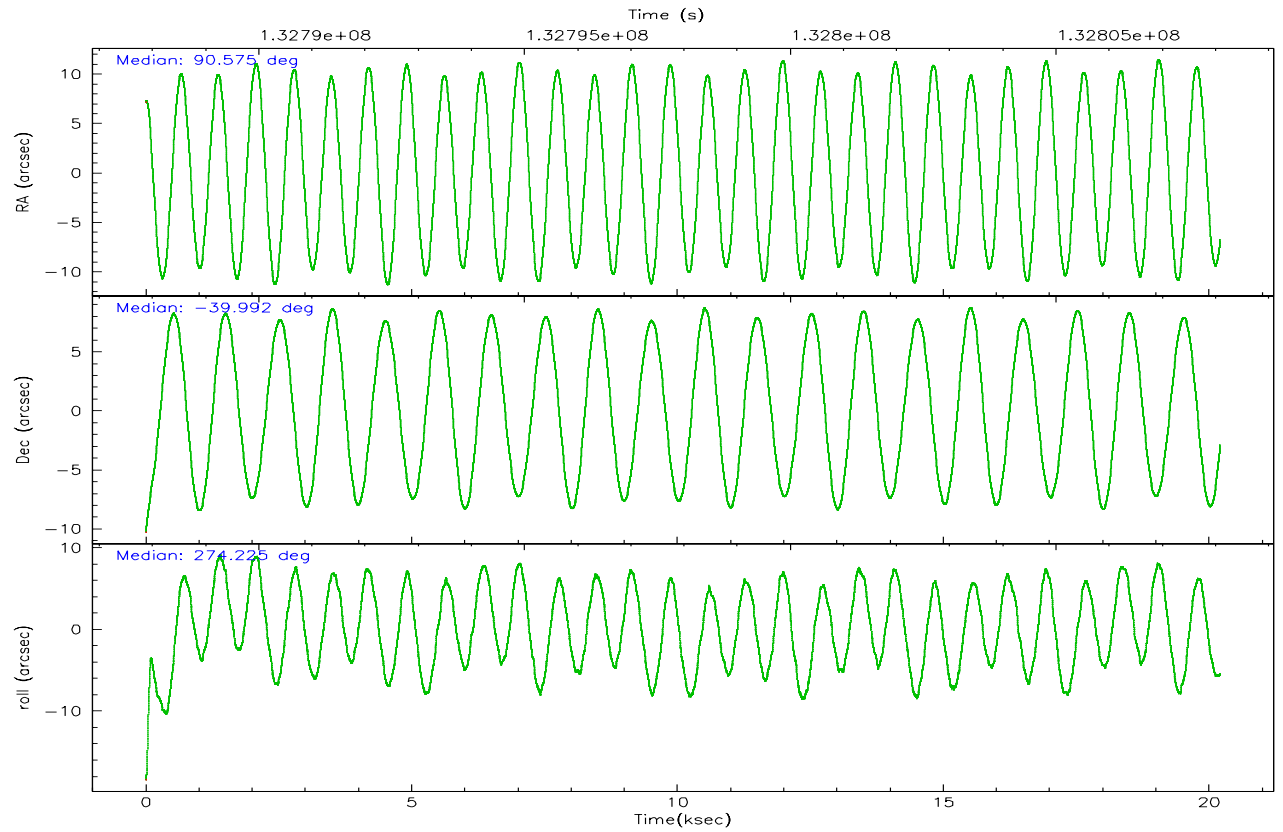
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	20043	18577	21234	12211	13625
	11%	9%	8%	5%	5%
grade 1 events	210	137	232	100	149
	0%	0%	0%	0%	0%
grade 2 events	8993	6844	10388	4371	8104
	5%	3%	4%	1%	3%
grade 3 events	1661	2059	1401	1580	1348
	0%	1%	0%	0%	0%
grade 4 events	1547	1931	3405	1578	1400
	0%	0%	1%	0%	0%
grade 5 events	3772	4109	3900	4139	4307
	2%	2%	1%	1%	1%
grade 6 events	2476	3904	3215	2263	2390
	1%	1%	1%	1%	1%
grade 7 events	136304	161735	212645	196973	202750
	77%	81%	82%	88%	86%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	90.555093	90.57527049461513	Alternating exposures requested	N	N
Pointing Dec	-39.969151	-39.99178375601378	Primary exposure time	0.000000	3.1
Pointing Roll	274.008621	274.2302587323234			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-227.592463	-227.5933067819097			
SIM translation stage offset (mm)	-6	-5.999146221020027			
Observation start time	132788090.184000	132787122.97634			
Observation start date	2002-03-17T21:33:46	2002-03-17T21:18:42			
Observation end time	132808090.184000	132809196.86473			
Observation end date	2002-03-18T03:07:06	2002-03-18T03:26:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect





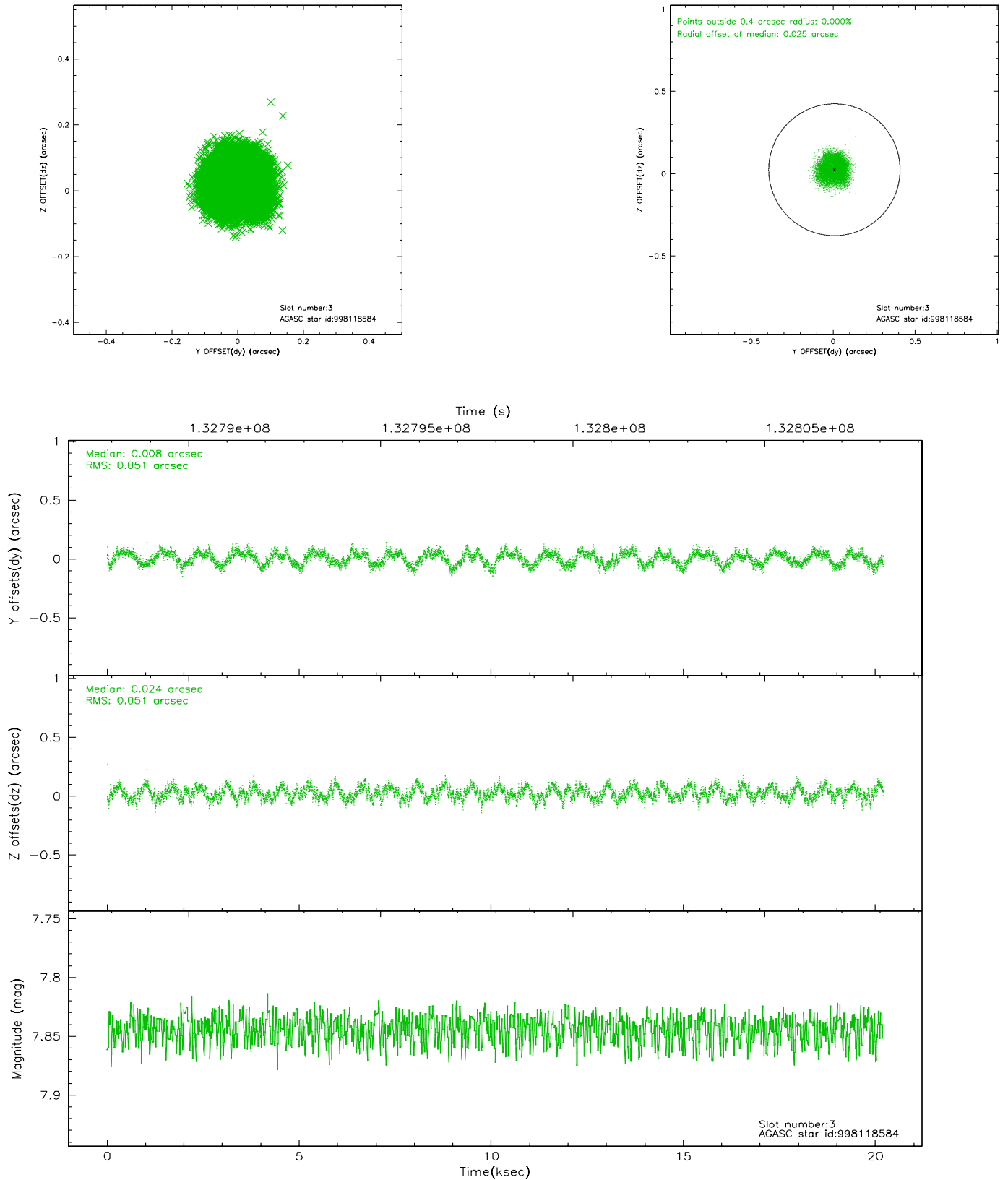
### Slot Statistics

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	4929	0.041	-0.011	0.007	0.014	0.000000	0.000000	937.99	-954.03
1	FID	ACIS-I-5	7.23	4929	-0.099	0.077	0.007	0.013	0.000000	0.000000	-1810.11	943.50
2	FID	ACIS-I-6	7.25	4929	-0.032	0.005	0.009	0.014	0.000000	0.000000	403.33	1588.09
3	GUIDE	998118584	7.84	9857	0.008	0.024	0.079	0.116	91.028900	-39.836263	-381.71	1340.01
4	GUIDE	998122064	8.85	9852	-0.011	-0.035	0.087	0.135	90.154340	-40.368326	1359.86	-1196.65
5	GUIDE	998119120	9.12	9855	0.068	0.040	0.208	0.276	90.414762	-40.136836	576.33	-427.25
6	GUIDE	998115240	9.78	9852	-0.025	-0.019	0.098	0.158	90.090736	-39.523214	-1687.53	-1174.32
7	GUIDE	997593480	9.32	9856	-0.046	-0.001	0.089	0.143	90.607549	-39.310496	-2354.74	311.44

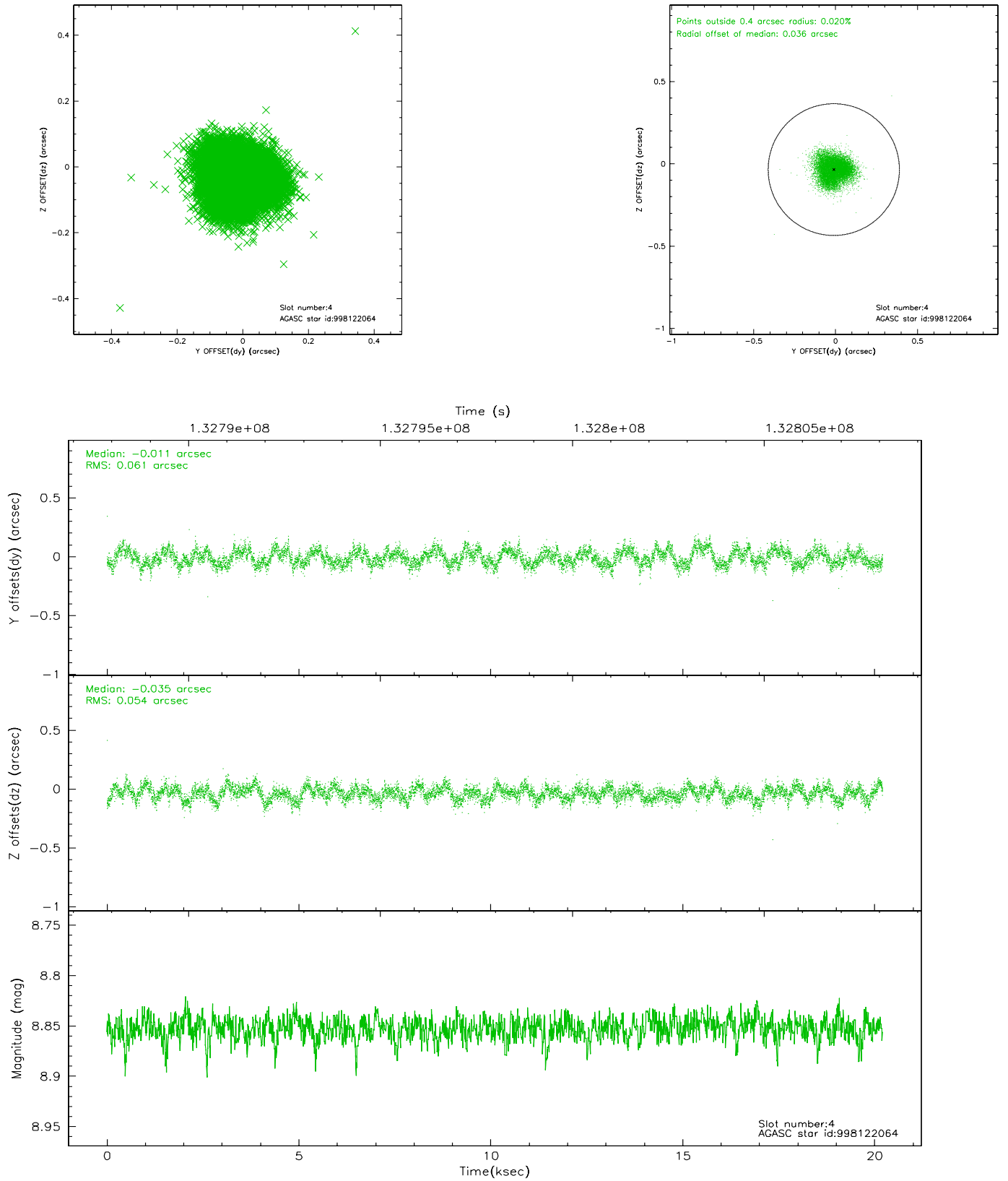


## 2.4 Star Slots

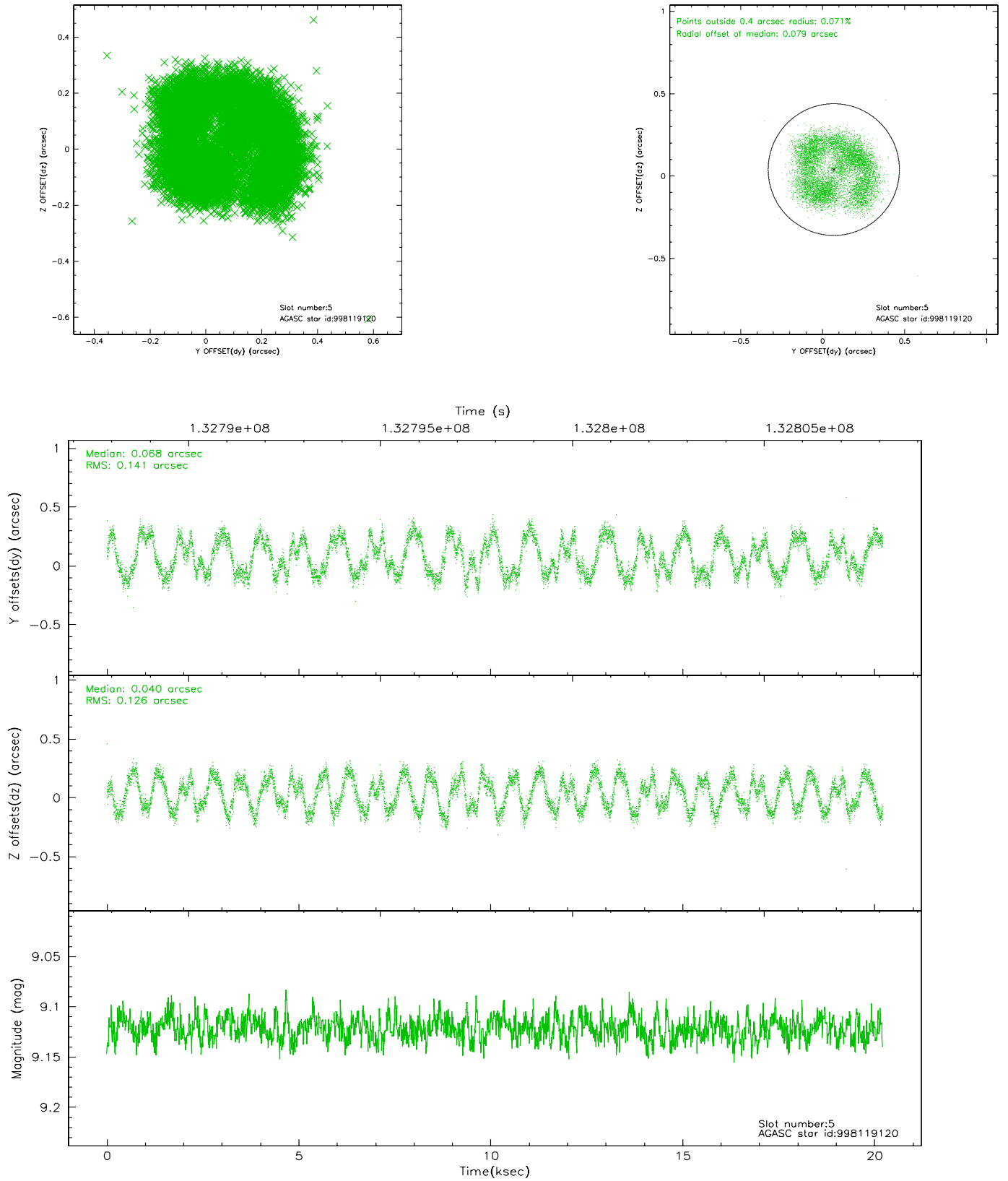
### 2.4.1 Slot 3



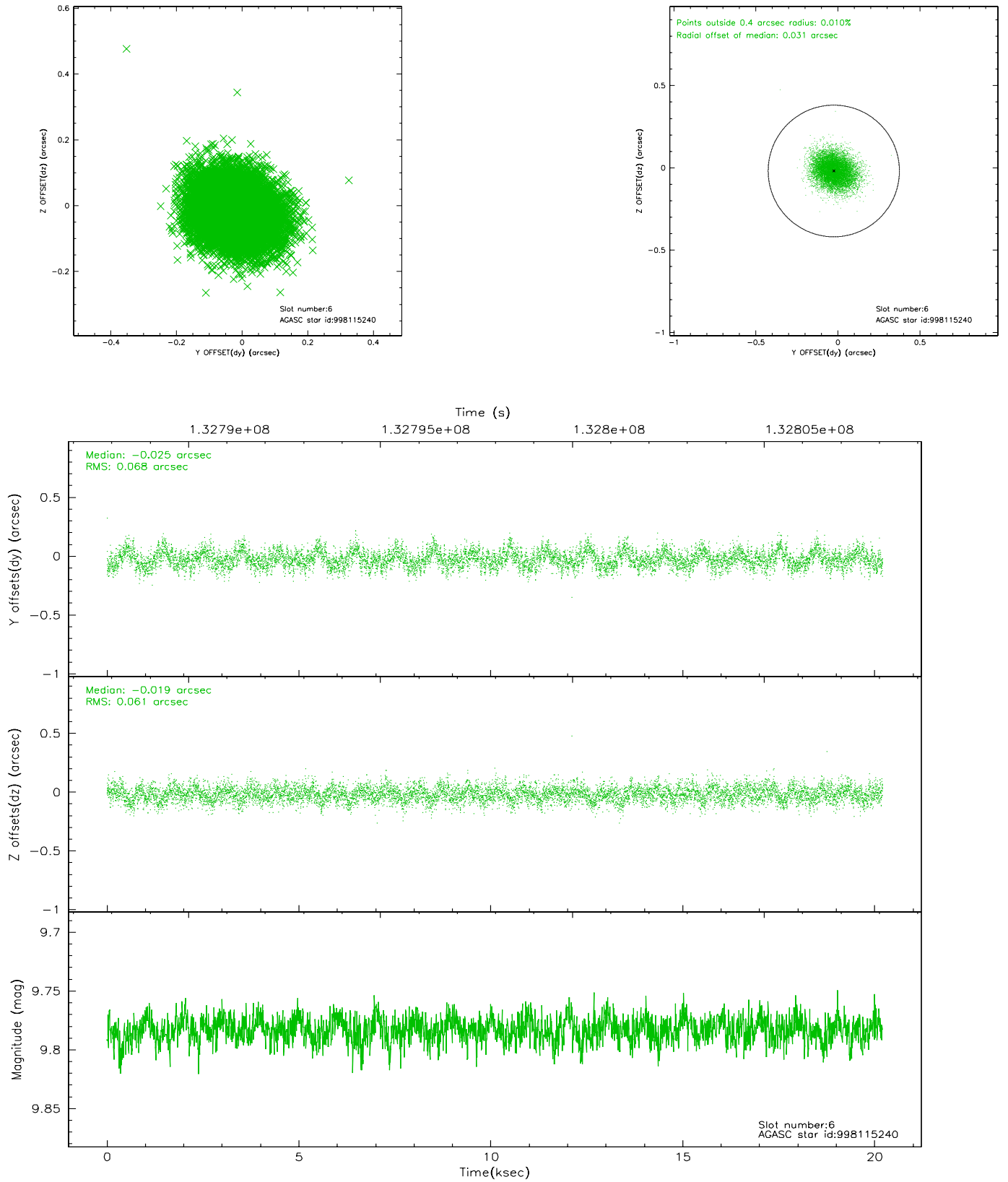
## 2.4.2 Slot 4



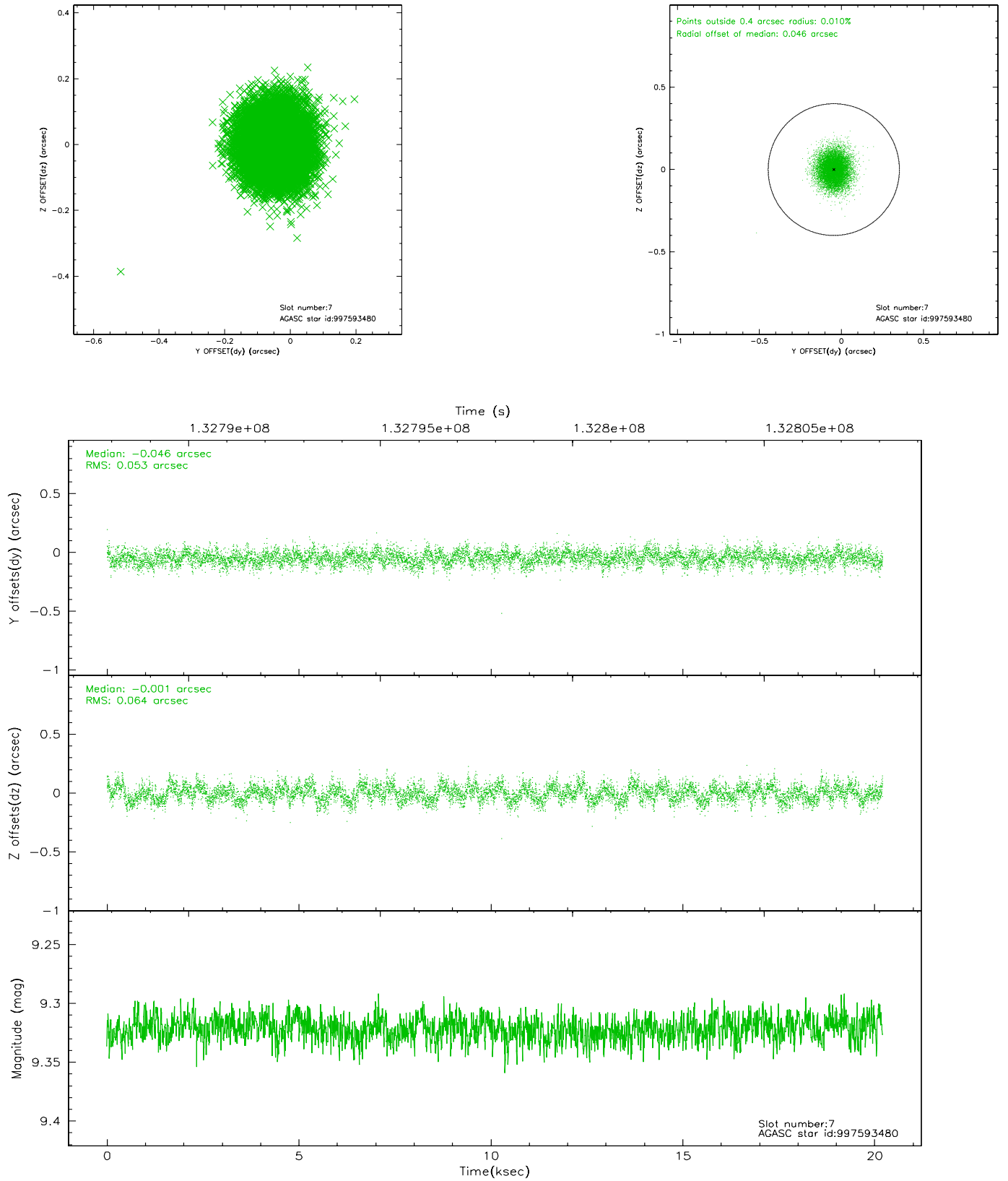
### 2.4.3 Slot 5



## 2.4.4 Slot 6

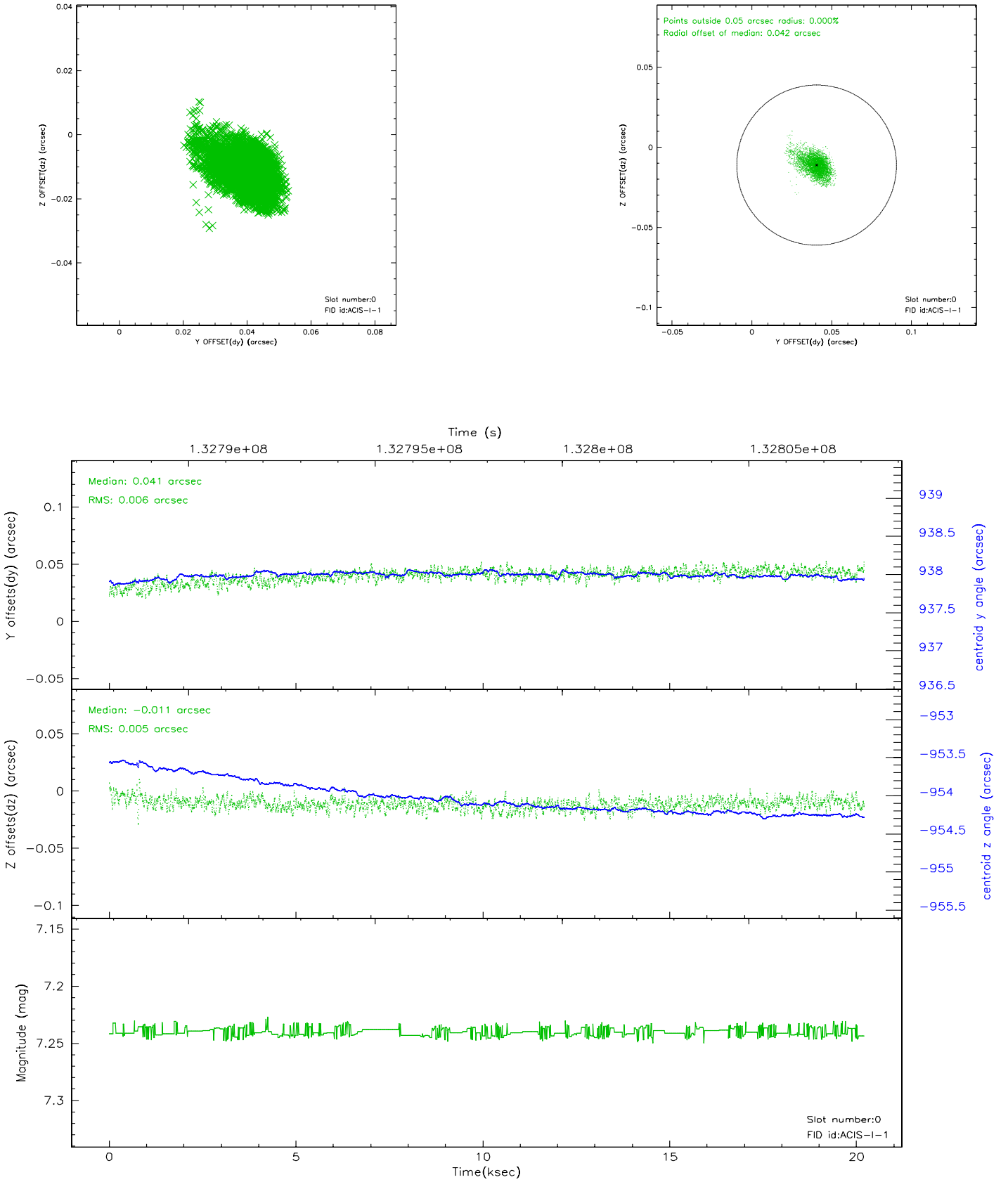


## 2.4.5 Slot 7

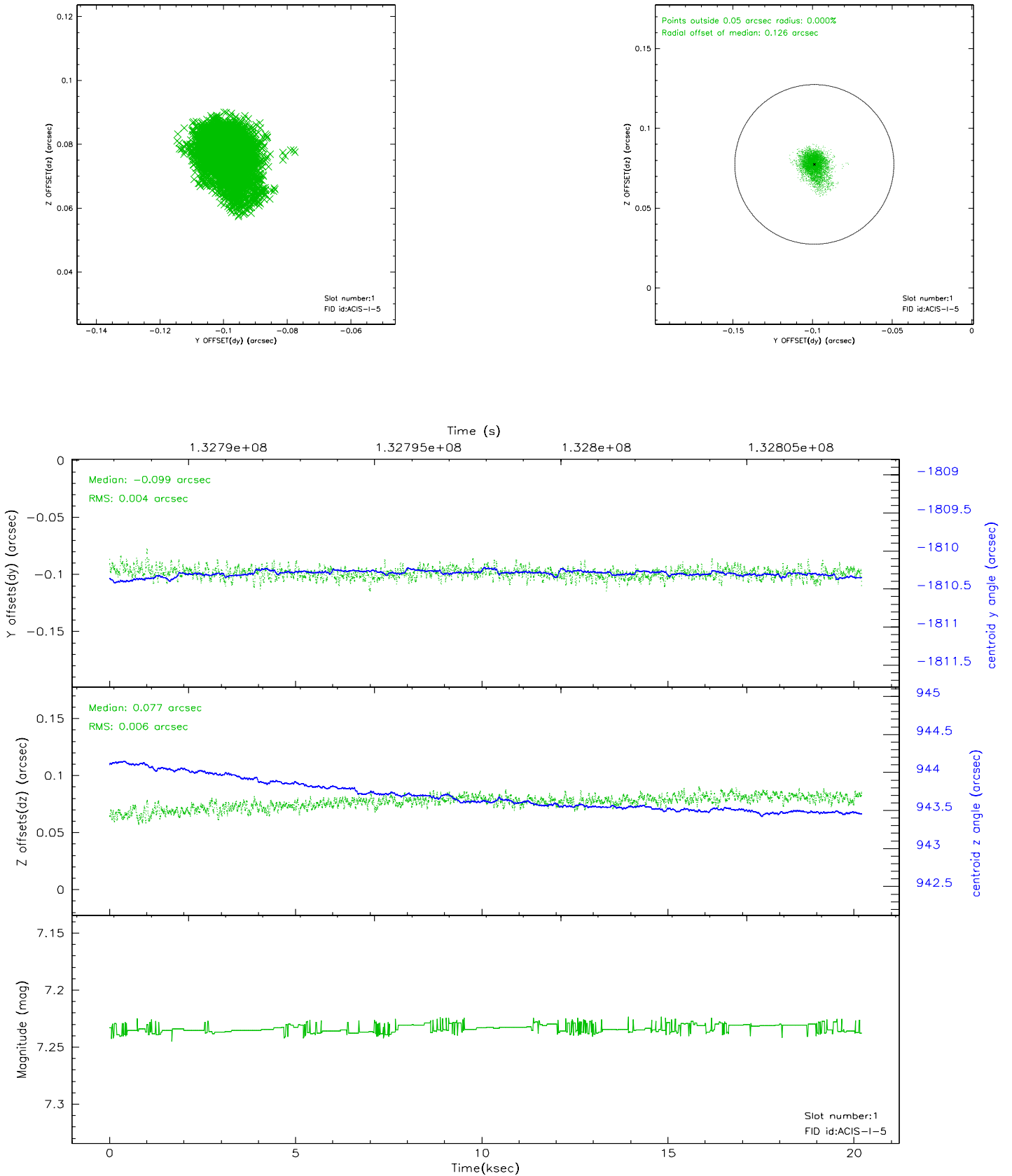


## 2.5 FID Slots

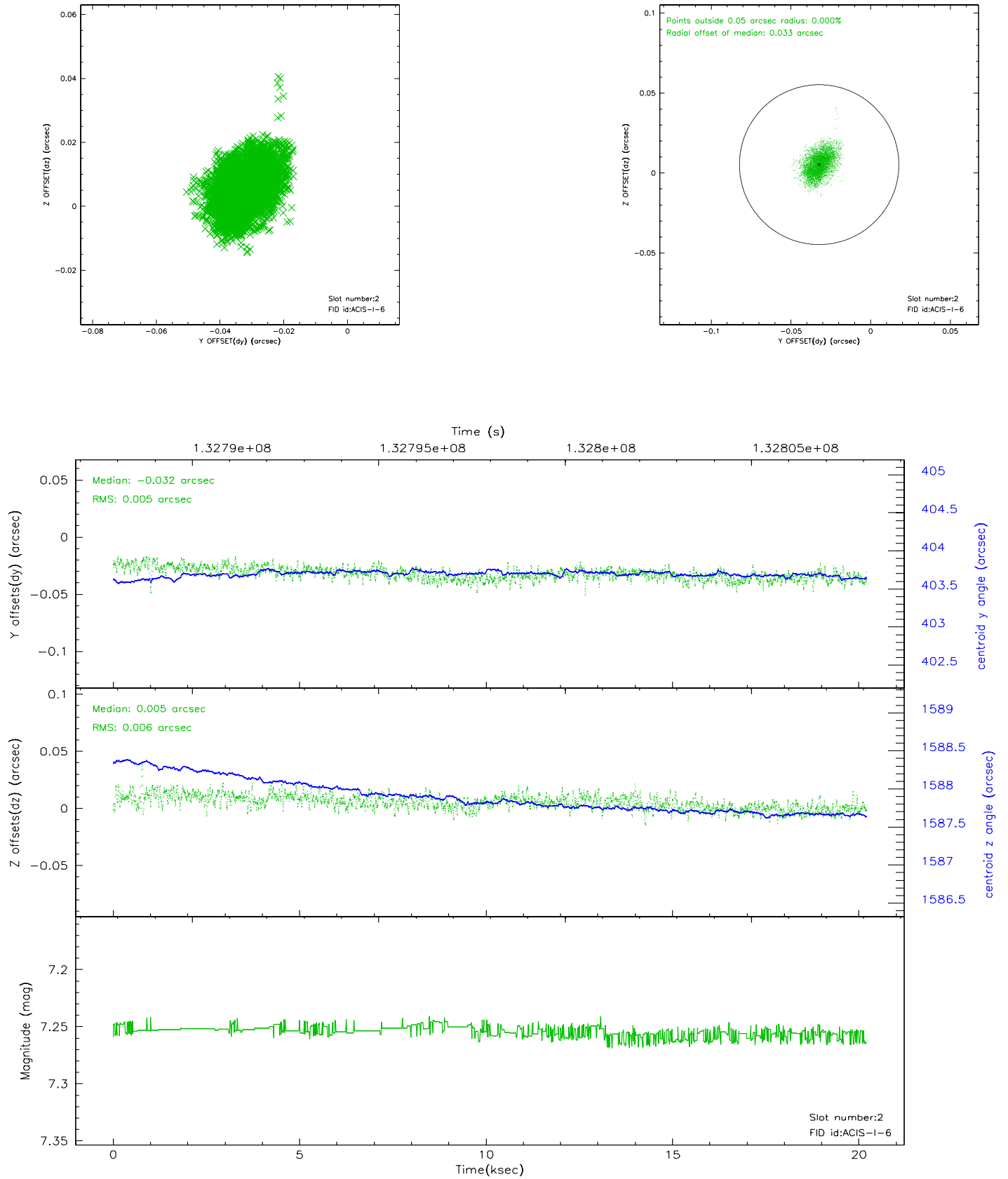
### 2.5.1 Slot 0



## 2.5.2 Slot 1

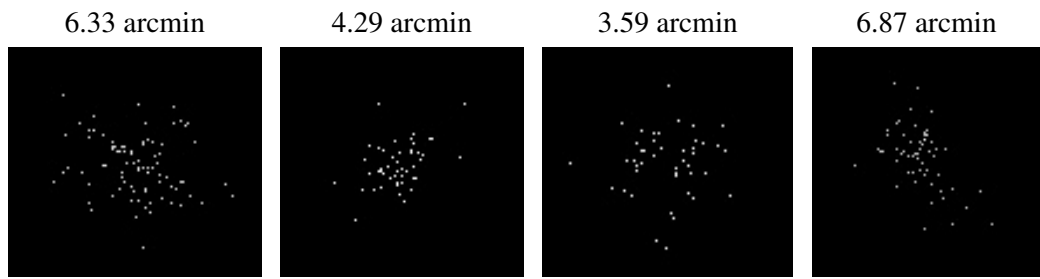


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.109

### A.2 Comments