

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5033 - L2 Version 001  
Chandra X-Ray Center

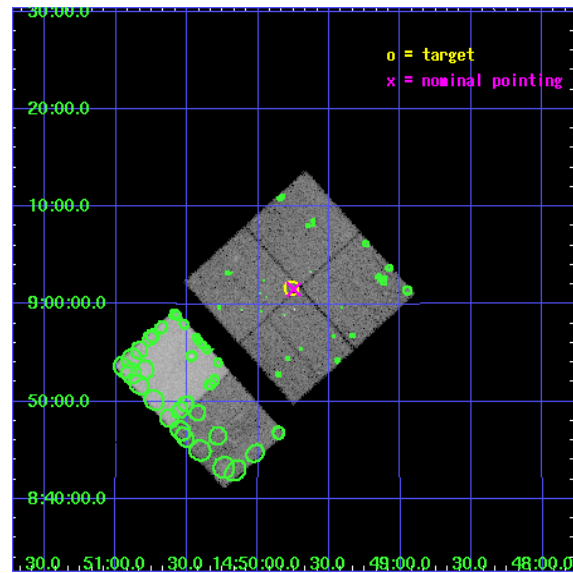
L2 Processing Date : May 1 2006

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# 1 Front

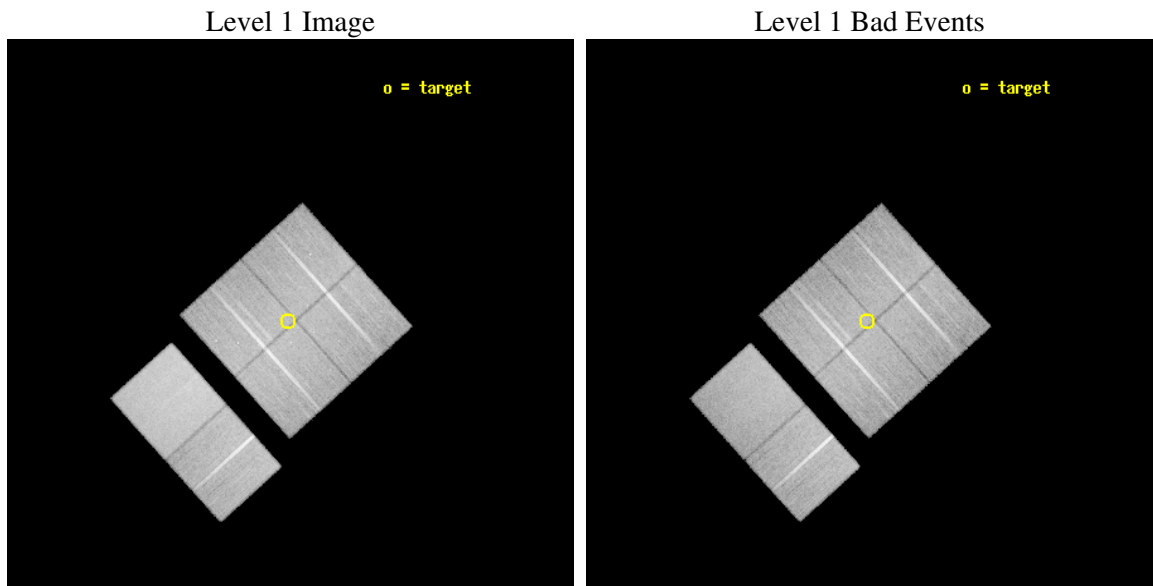
seq_num	900340
obs_id	5033
title	A Chandra survey of Extremely Red Objects
observer	Dr. Marcella Brusa
object	Daddi field - 2
dtcycle	0
cycle	P
ra_targ	222.44125
dec_targ	9.027083
ra_nom	222.4370089645
dec_nom	9.0251433407844
roll_nom	227.95123950201
revision	2
ontime	29782.399889052
livetime	29405.277208848
ontime0	29779.158888847
ontime1	29775.917908549
ontime2	29779.158908784
ontime3	29782.399889052
ontime6	29782.399889052
ontime7	29782.399889052
l2events	236004



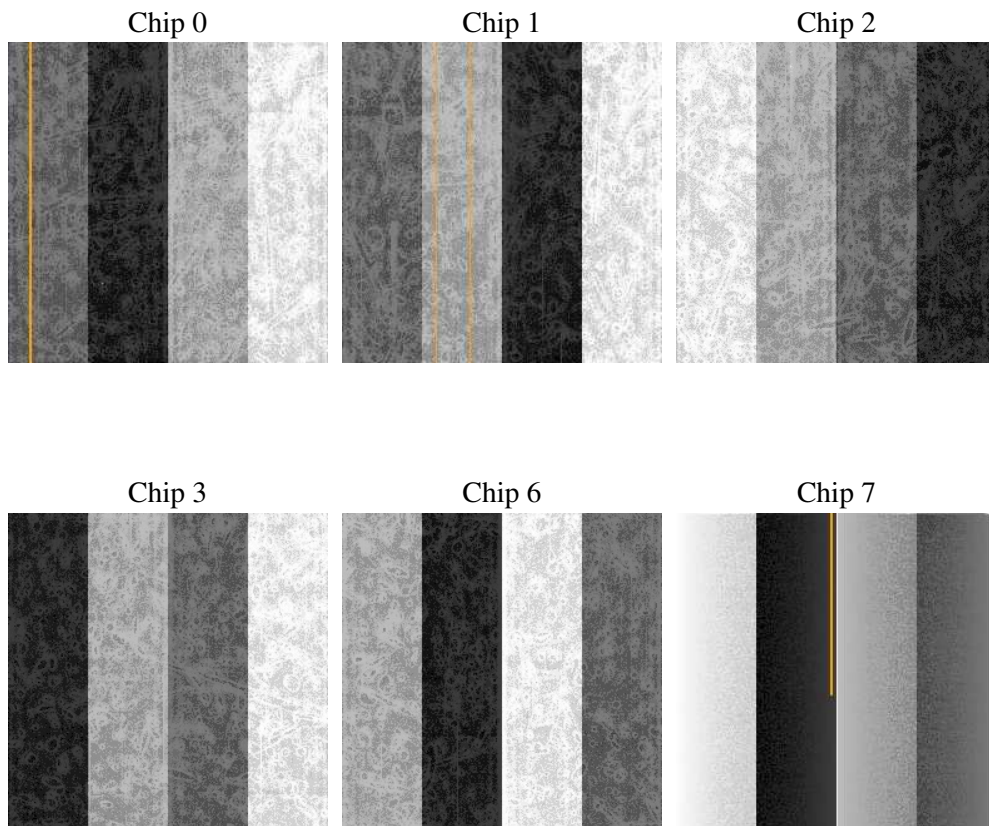
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-05-01T15:36:28
revision	2

sched_exp_time	29635.660000
ontime	30462.231278002
ontime0	30458.990267873
ontime1	30455.749287575
ontime2	30458.990287811
ontime3	30462.231278002
ontime6	30462.231278002
ontime7	30462.231278002
l1events	1381973

### 2.1.4 Events

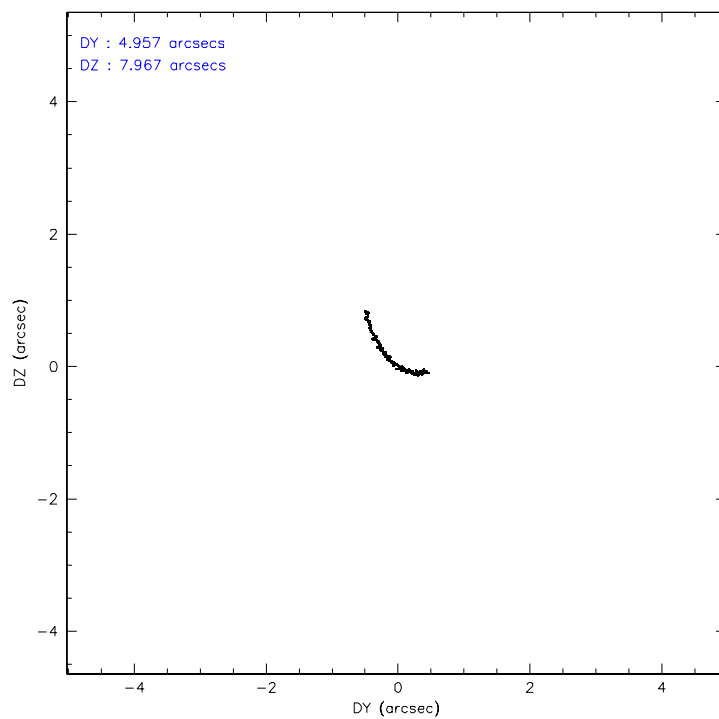
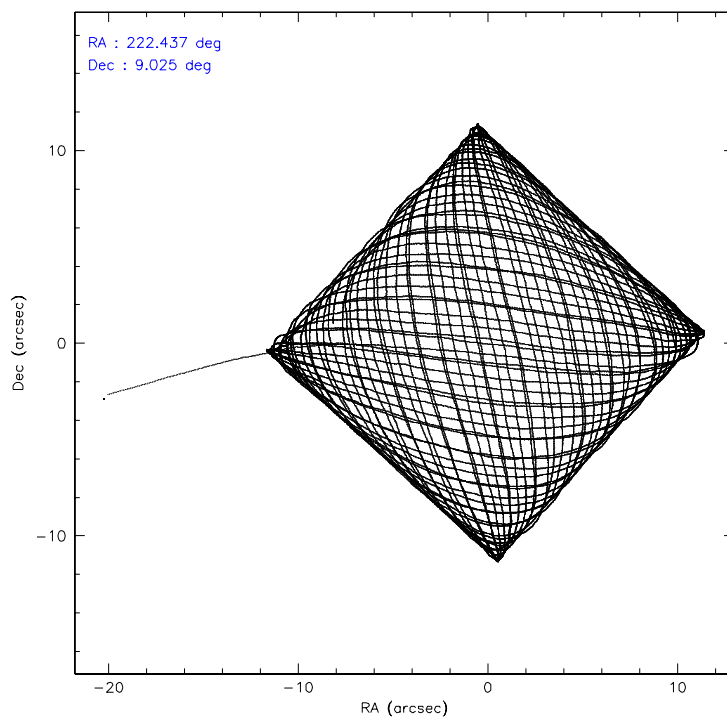
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	208000	205202	219301	217725	229751	301994
rejected events	179756	175710	191536	189862	201449	187073
rejected %	86%	85%	87%	87%	87%	61%

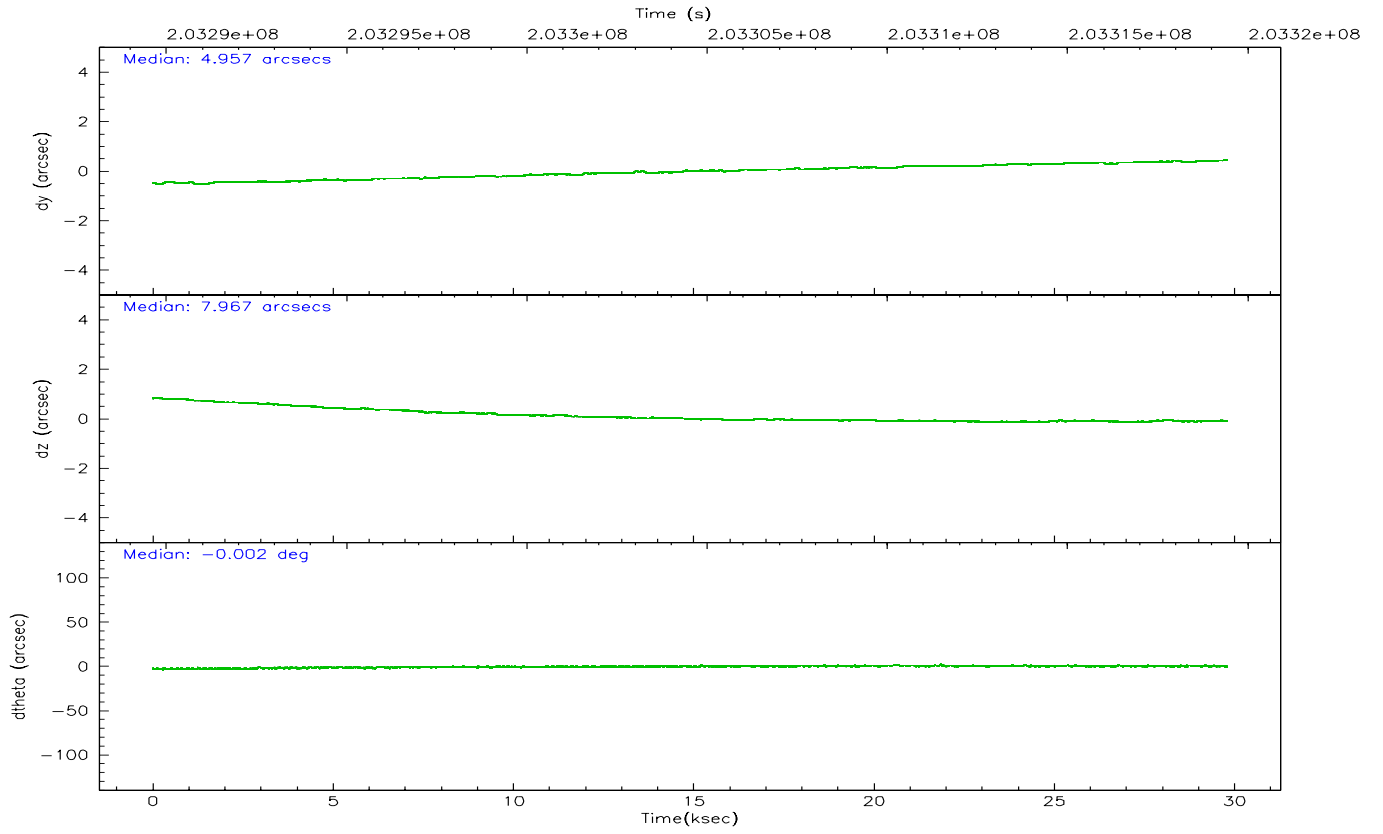
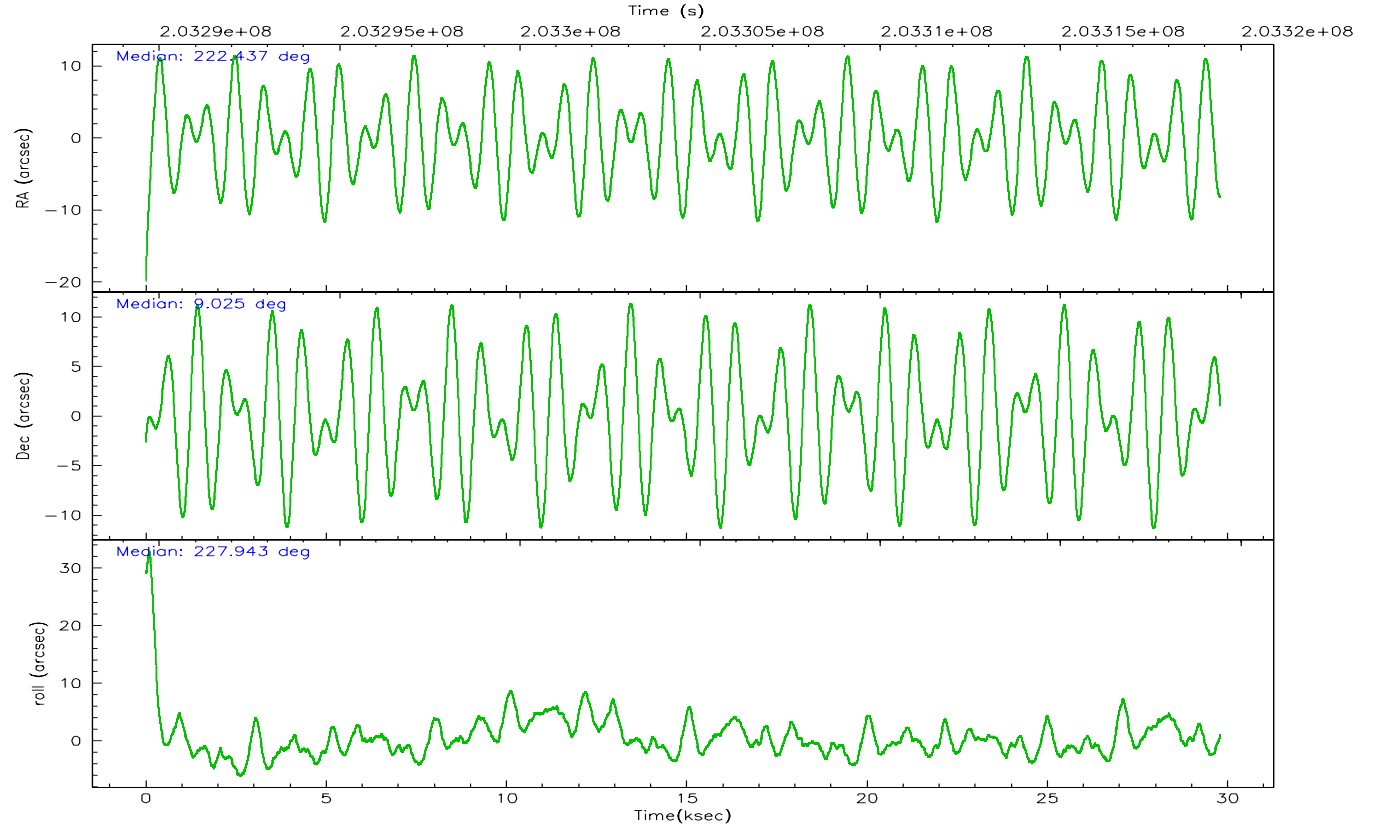
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	13171	12892	13686	13565	12360	7123
	6%	6%	6%	6%	5%	2%
grade 1 events	132	102	134	162	119	186
	0%	0%	0%	0%	0%	0%
grade 2 events	5641	6180	5341	5343	5749	28819
	2%	3%	2%	2%	2%	9%
grade 3 events	2724	2872	2503	2523	2633	5703
	1%	1%	1%	1%	1%	1%
grade 4 events	2530	2679	2421	2576	2548	5652
	1%	1%	1%	1%	1%	1%
grade 5 events	8815	9358	8486	9813	10413	19292
	4%	4%	3%	4%	4%	6%
grade 6 events	4787	5464	4347	4455	5591	70086
	2%	2%	1%	2%	2%	23%
grade 7 events	170200	165655	182383	179288	190338	165133
	81%	80%	83%	82%	82%	54%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	222.442671	222.4370089644964	Alternating exposures requested	N	N
Pointing Dec	9.051929	9.025143340784417	Primary exposure time	0.000000	3.2
Pointing Roll	227.741667	227.9512395020109			
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	203289791.184000	203288400.23695			
Observation start date	2004-06-10T21:22:07	2004-06-10T21:00:00			
Observation end time	203319427.184000	203319656.07583			
Observation end date	2004-06-11T05:36:03	2004-06-11T05:40:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect





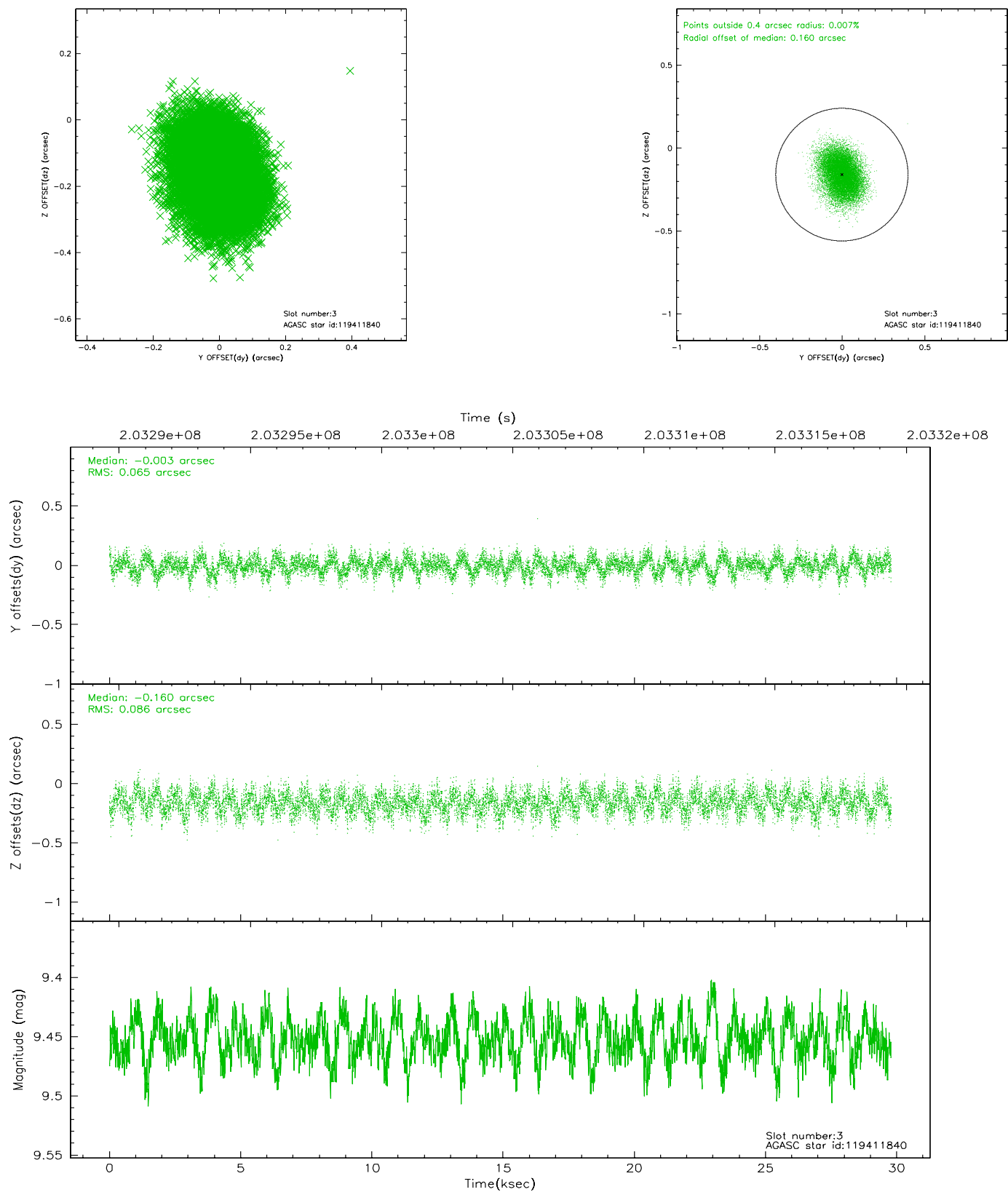
### Slot Statistics

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	7266	0.020	0.048	0.011	0.023	0.000000	0.000000	934.82	-831.48
1	FID	ACIS-I-5	7.23	7264	-0.141	0.056	0.012	0.018	0.000000	0.000000	-1813.40	1065.99
2	FID	ACIS-I-6	7.25	7265	0.031	-0.032	0.012	0.018	0.000000	0.000000	400.31	1710.48
3	GUIDE	119411840	9.45	14524	-0.003	-0.160	0.116	0.184	222.041386	9.490009	-209.01	-2115.73
4	GUIDE	120325072	9.25	14521	-0.101	0.011	0.097	0.155	222.613060	9.408510	-1356.85	-415.53
5	GUIDE	120326408	7.56	14531	-0.020	0.075	0.050	0.082	223.162273	9.209523	-2141.42	1509.45
6	GUIDE	120327320	9.67	14470	0.196	0.117	0.101	0.164	222.306742	8.399268	2064.73	1222.54
7	GUIDE	120333112	7.49	14532	-0.073	-0.036	0.065	0.100	222.982560	8.825335	-688.27	1969.02

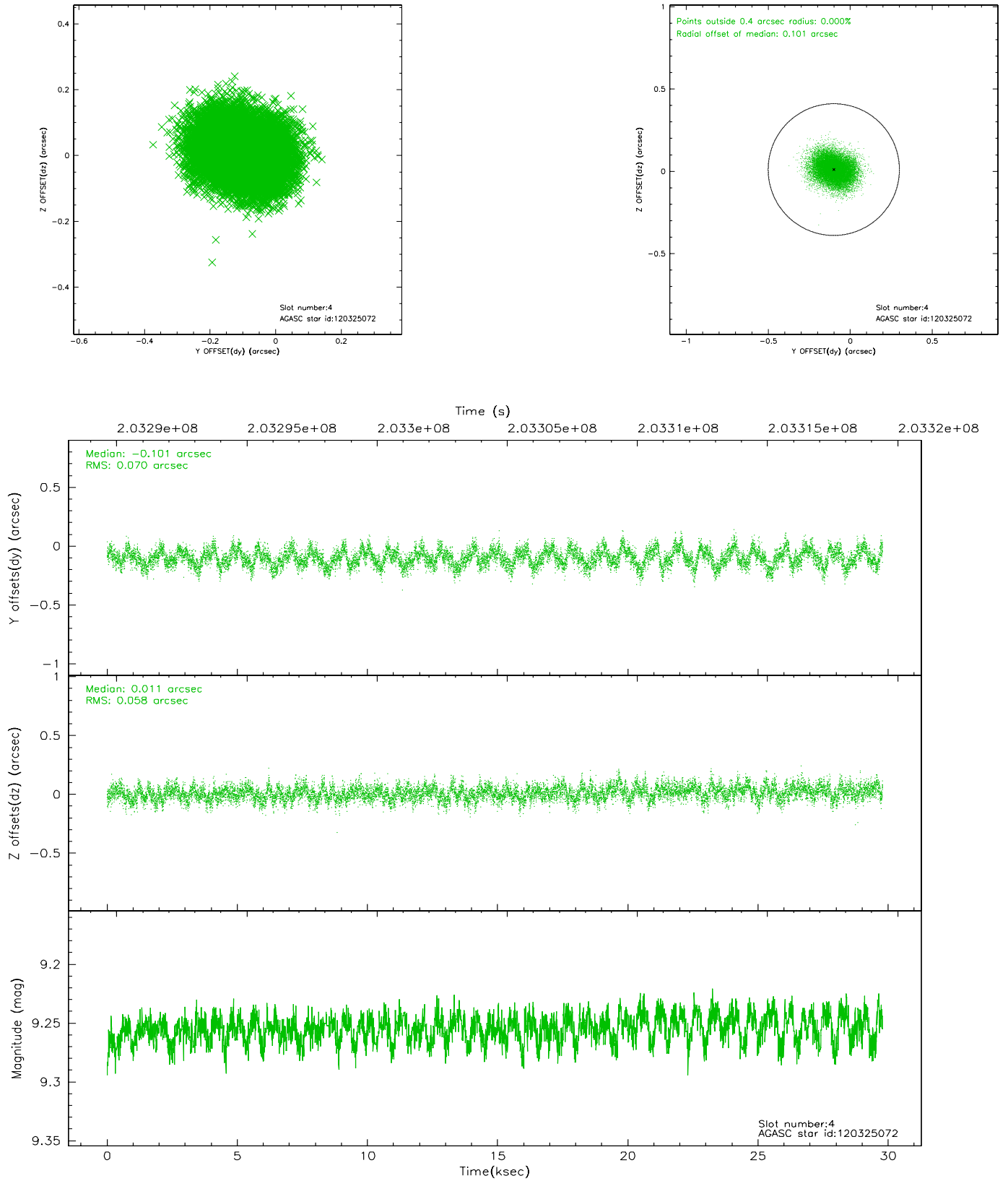


## 2.4 Star Slots

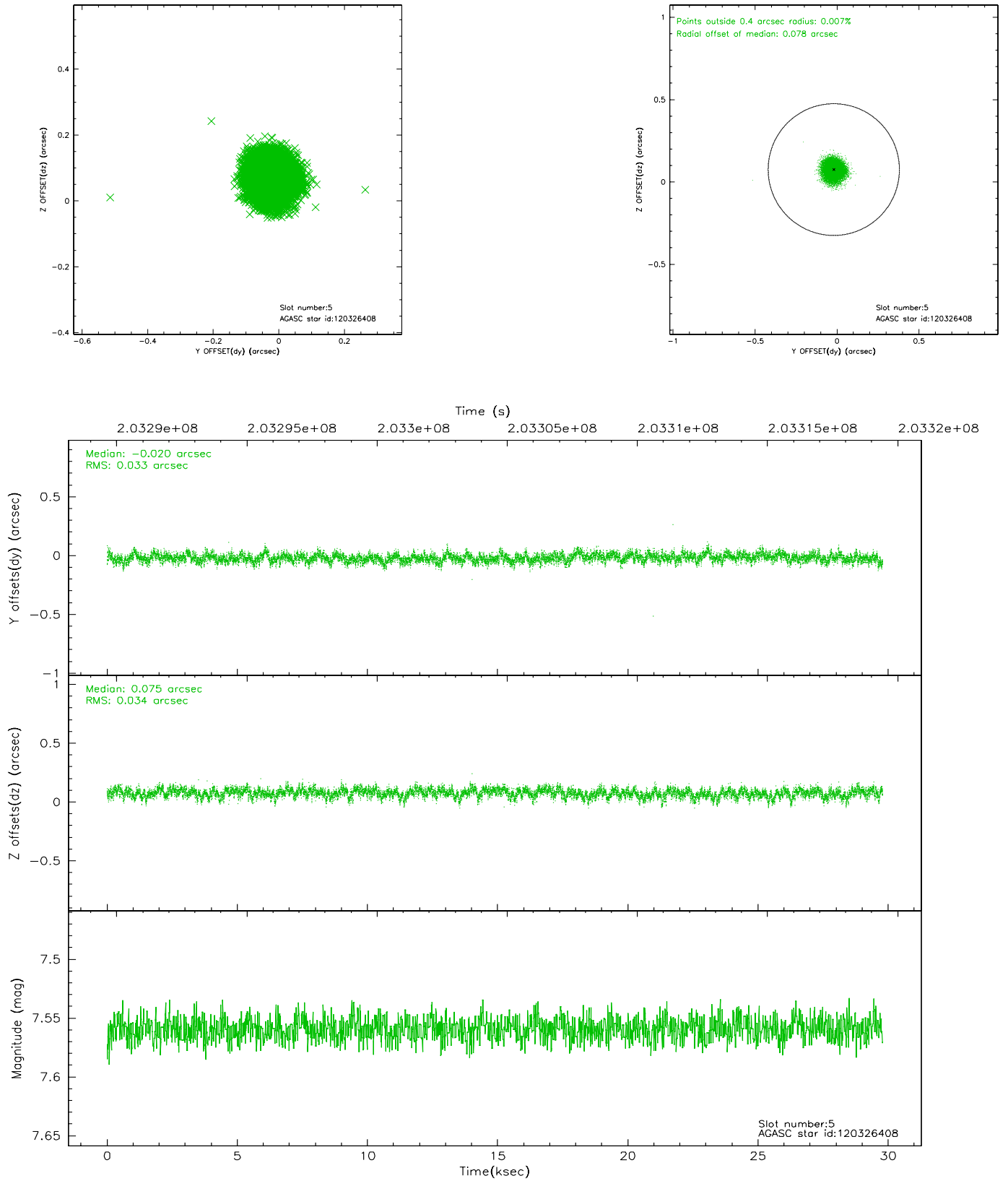
### 2.4.1 Slot 3



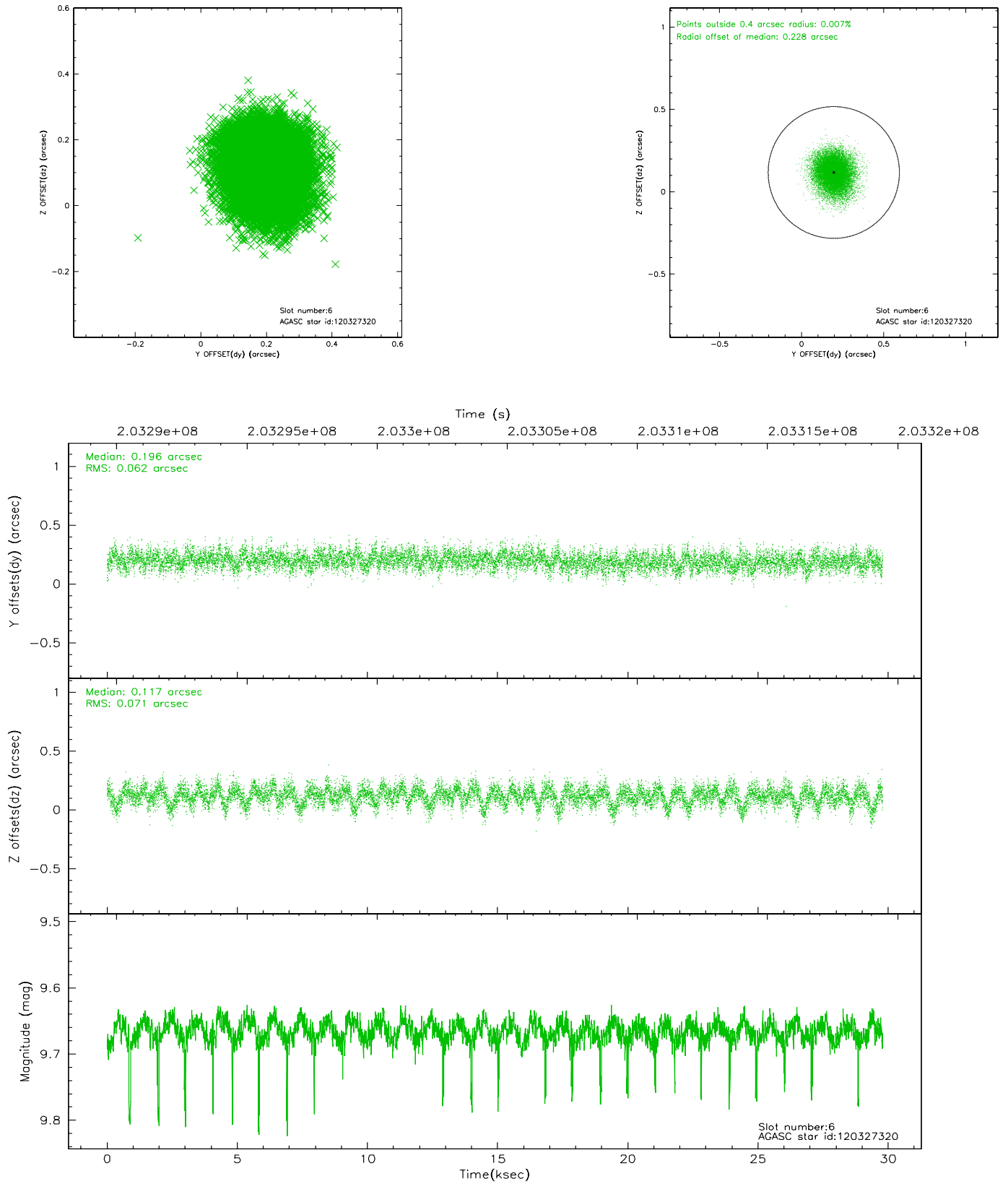
## 2.4.2 Slot 4



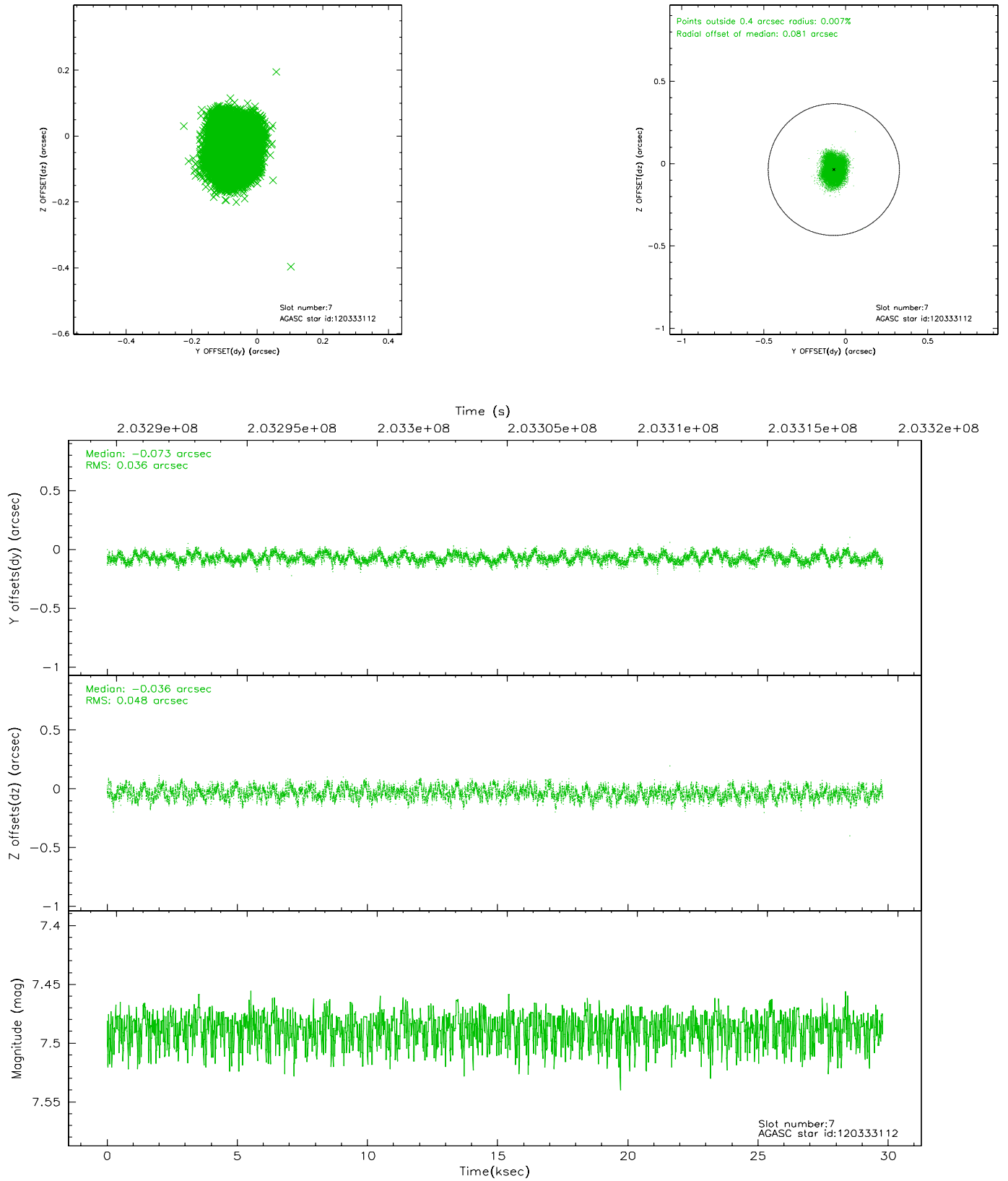
### 2.4.3 Slot 5



## 2.4.4 Slot 6

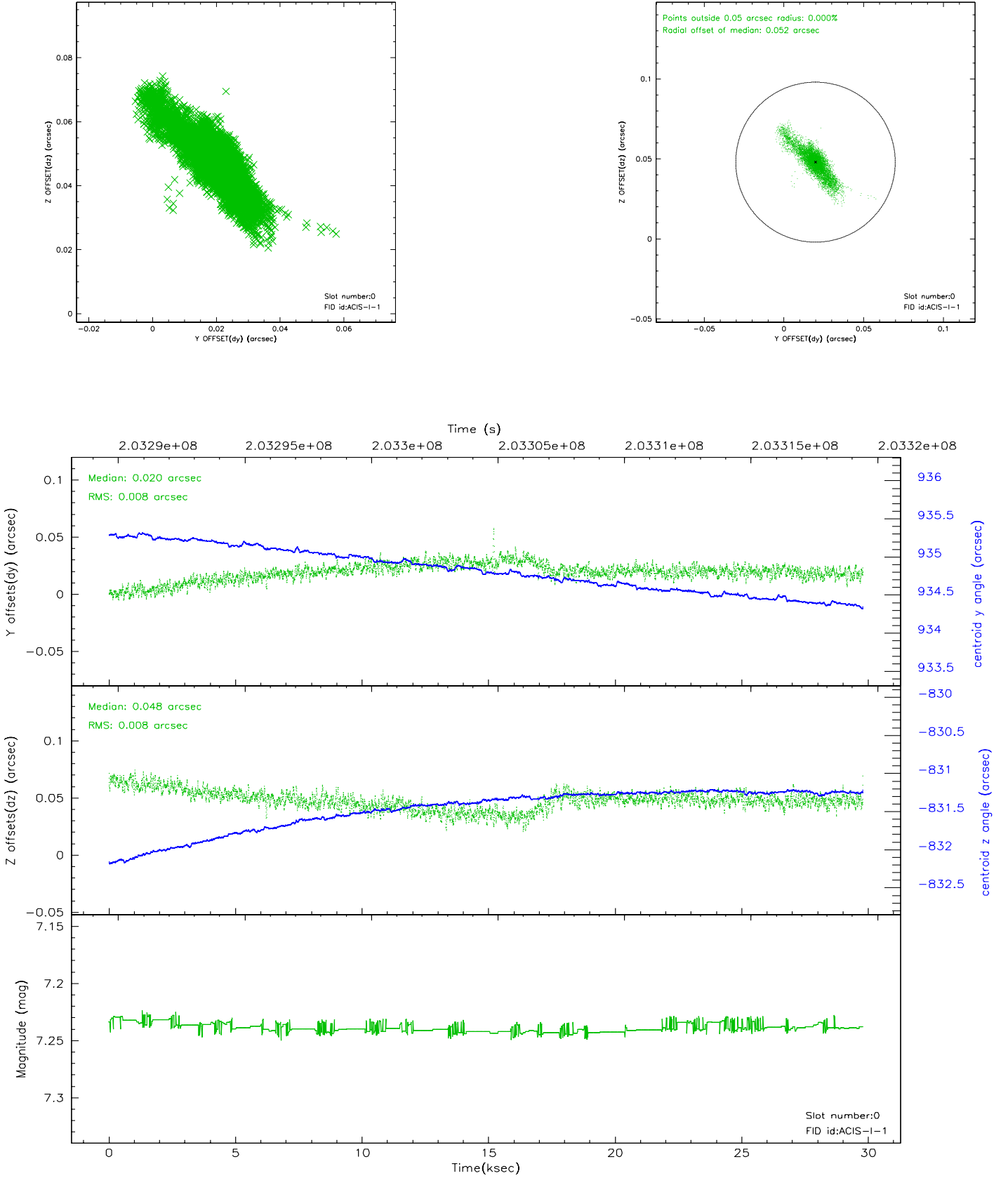


## 2.4.5 Slot 7

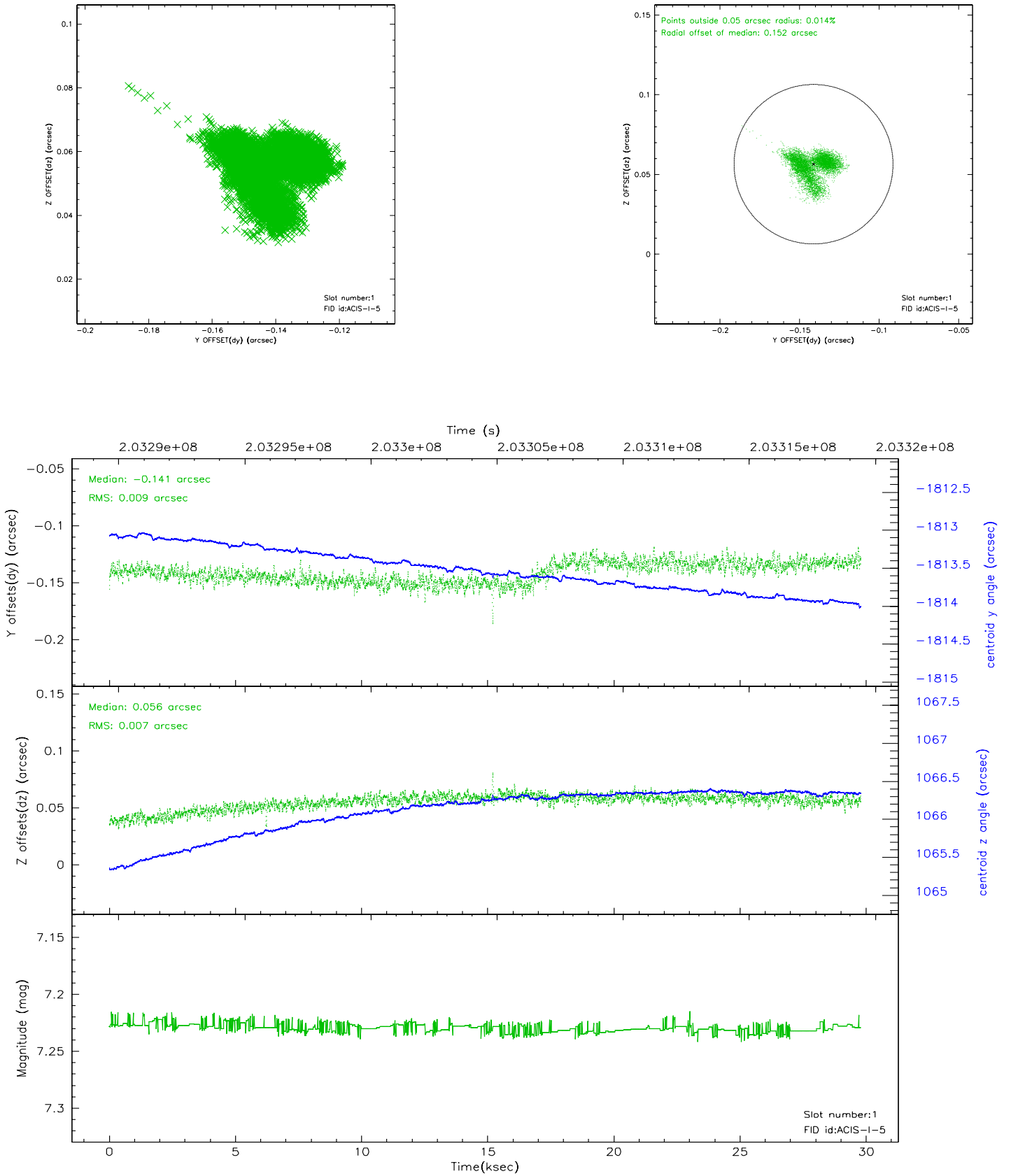


## 2.5 FID Slots

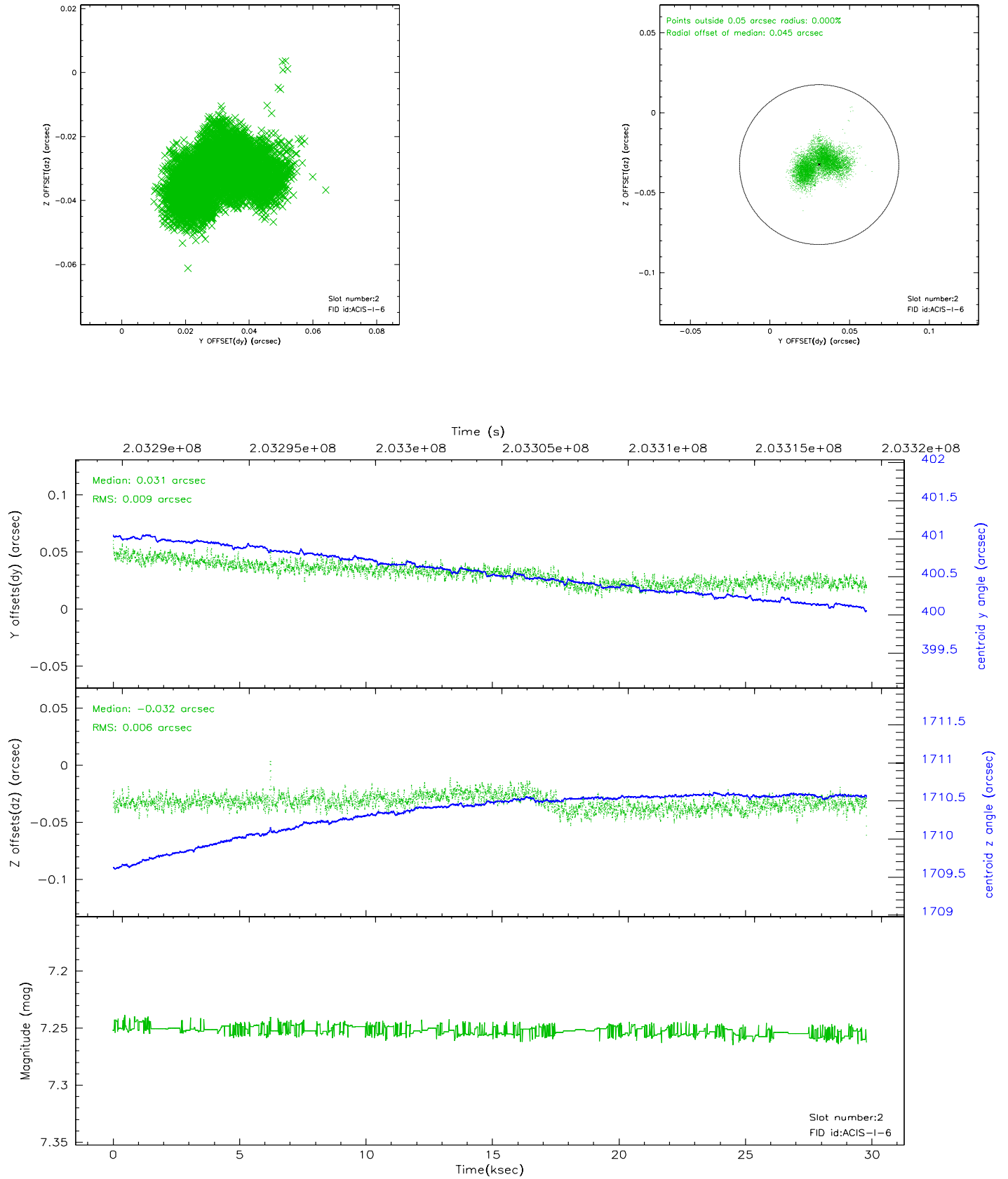
### 2.5.1 Slot 0



## 2.5.2 Slot 1

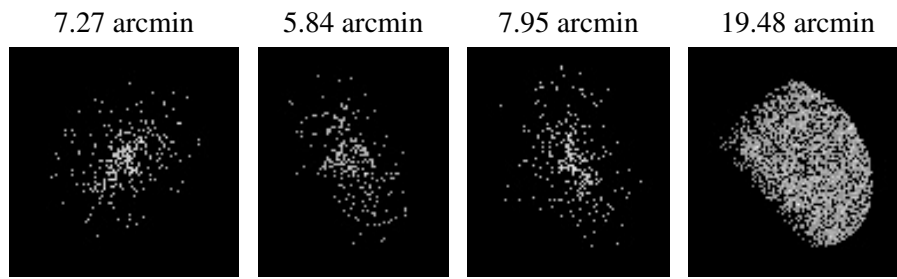


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.782

### A.2 Comments