

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2829 - L2 Version 001  
Chandra X-Ray Center

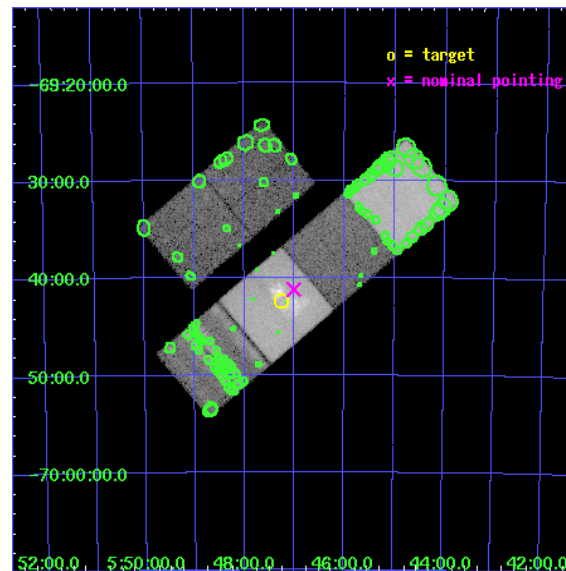
L2 Processing Date : Sep 26 2006

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# 1 Front

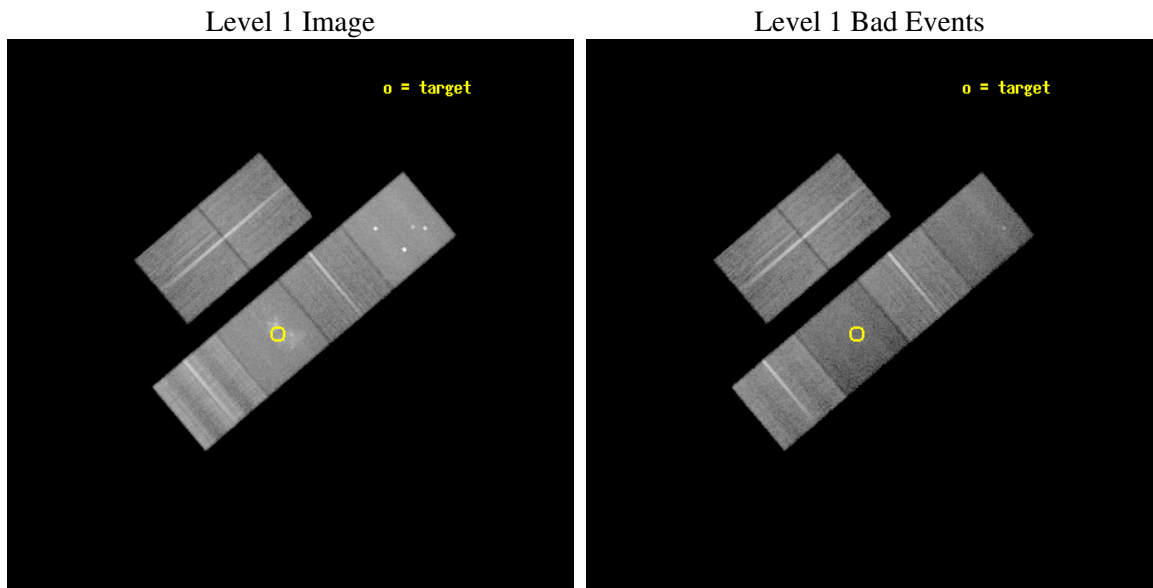
seq_num	500279
obs_id	2829
title	THE TWO SHELLS OF DEM L 316
observer	Dr. Rosa Williams
object	DEM L 316
dtcycle	0
cycle	P
ra_targ	86.8125
dec_targ	-69.706944
ra_nom	86.751930622713
dec_nom	-69.686836093924
roll_nom	139.6998161297
revision	2
ontime	36038.399865746
livetime	35582.059946927
ontime2	35753.19400683
ontime3	35761.73038426
ontime5	36022.195074409
ontime6	35775.880967915
ontime7	36038.399865746
ontime8	35777.976046205
l2events	376942



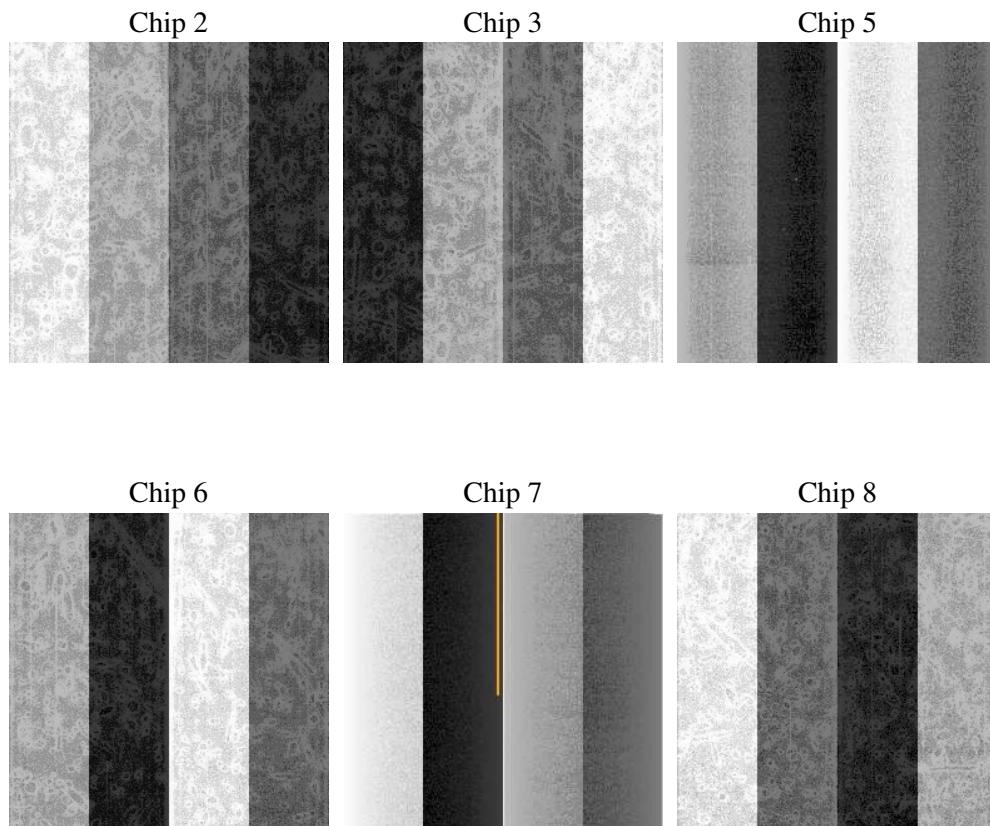
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-26T15:20:46
revision	2

sched_exp_time	36034.226000
ontime	36043.161181986
ontime2	35757.95532307
ontime3	35764.437323362
ontime5	36026.956390649
ontime6	35780.642284155
ontime7	36043.161181986
ontime8	35780.641945332
l1events	1353819

### 2.1.4 Events

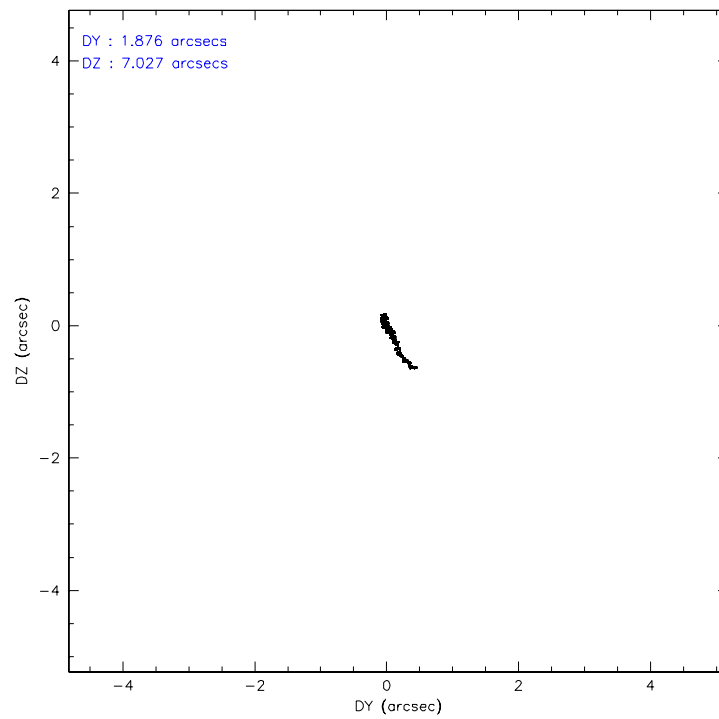
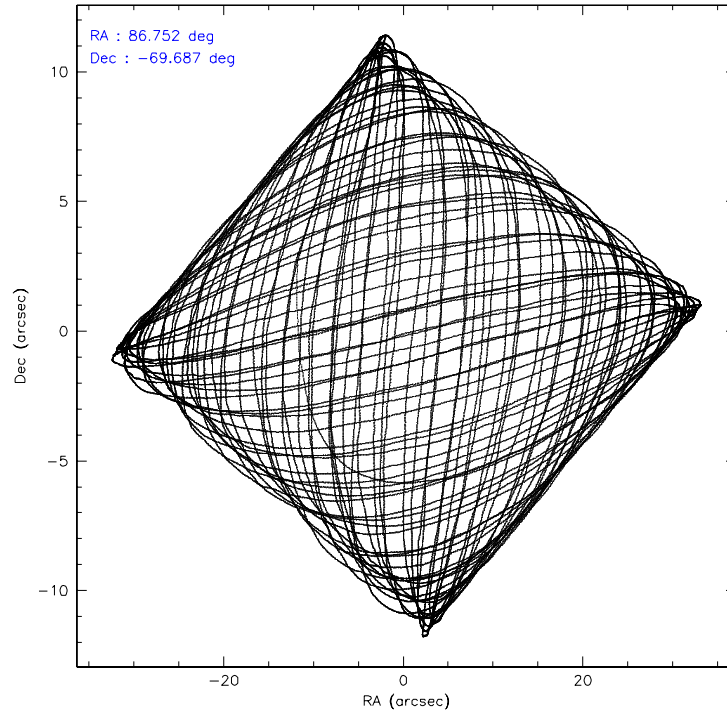
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	198609	183542	270529	191006	224968	285165
rejected events	175004	163416	106834	163659	89826	175521
rejected %	88%	89%	39%	85%	39%	61%

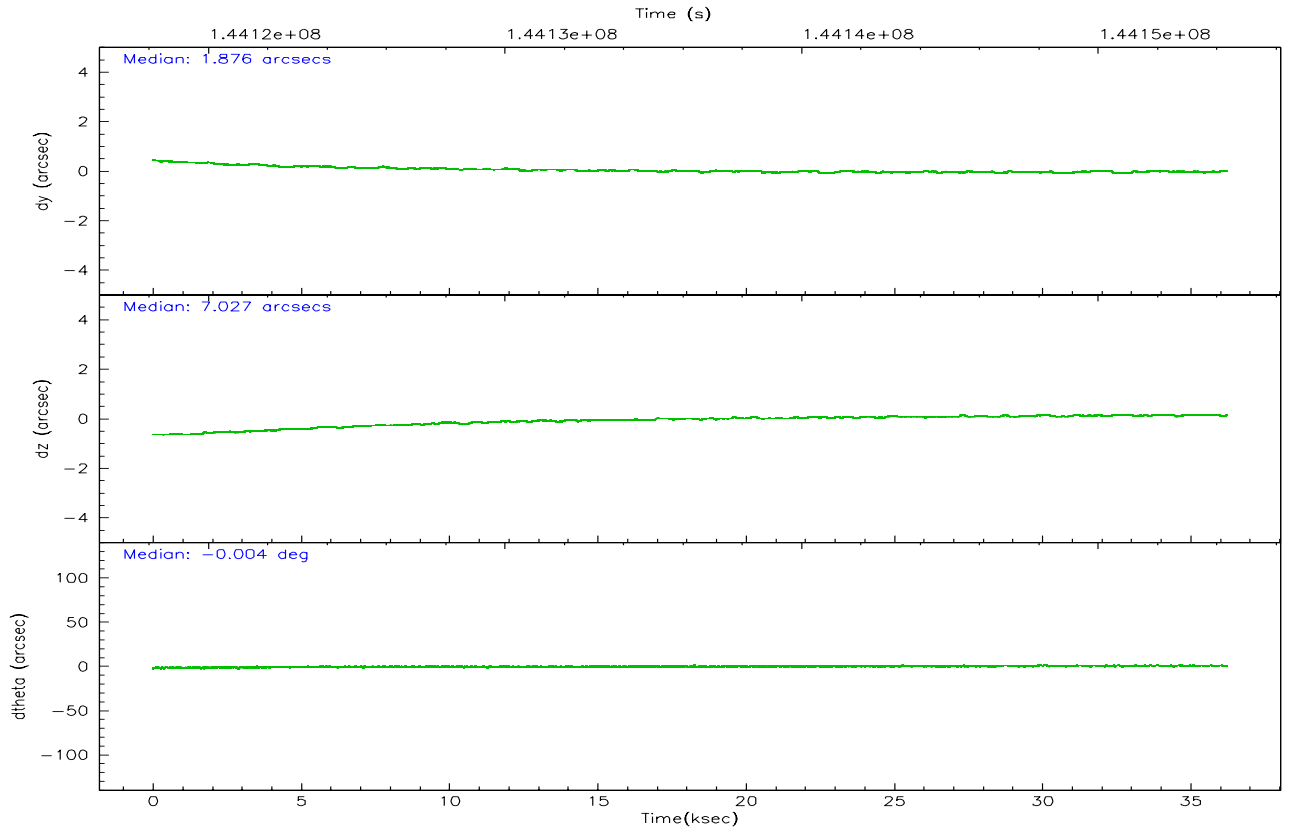
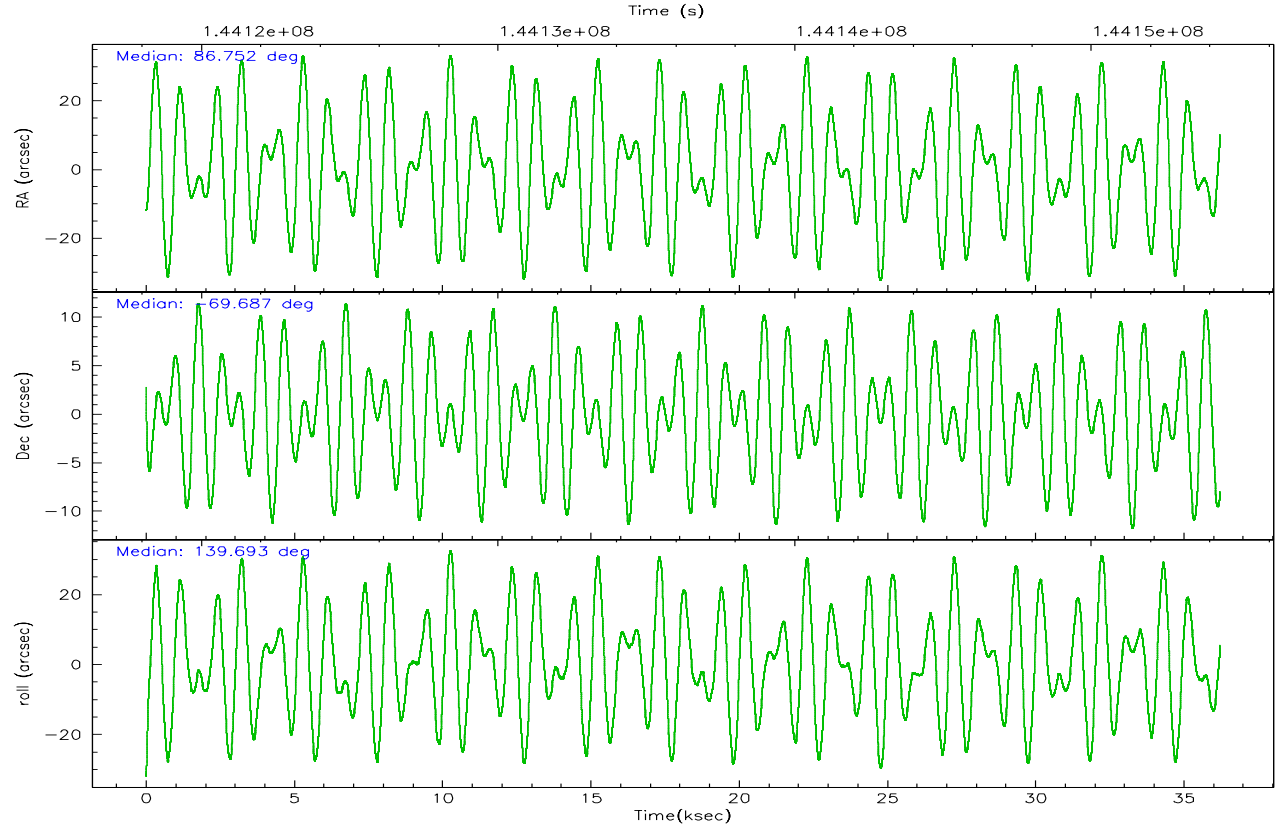
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10645	8876	25500	13797	14690	33380
	5%	4%	9%	7%	6%	11%
grade 1 events	105	98	337	117	122	278
	0%	0%	0%	0%	0%	0%
grade 2 events	5267	4013	50468	5165	33622	18606
	2%	2%	18%	2%	14%	6%
grade 3 events	1969	1946	5761	2257	9433	16735
	0%	1%	2%	1%	4%	5%
grade 4 events	2153	1891	5722	2171	9050	14899
	1%	1%	2%	1%	4%	5%
grade 5 events	4594	5034	11861	5612	12813	8807
	2%	2%	4%	2%	5%	3%
grade 6 events	3589	3402	76350	3976	68456	26025
	1%	1%	28%	2%	30%	9%
grade 7 events	170287	158282	94530	157911	76782	166435
	85%	86%	34%	82%	34%	58%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	86.829331	86.75193062271337	Subarray requested	NONE	NONE
Pointing Dec	-69.691336	-69.68683609392436	Alternating exposures requested	N	N
Pointing Roll	139.615785	139.6998161297016	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	144118318.184000	144117334.55131			
Observation start date	2002-07-27T00:50:54	2002-07-27T00:35:34			
Observation end time	144154352.184000	144154666.59034			
Observation end date	2002-07-27T10:51:28	2002-07-27T10:57:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect





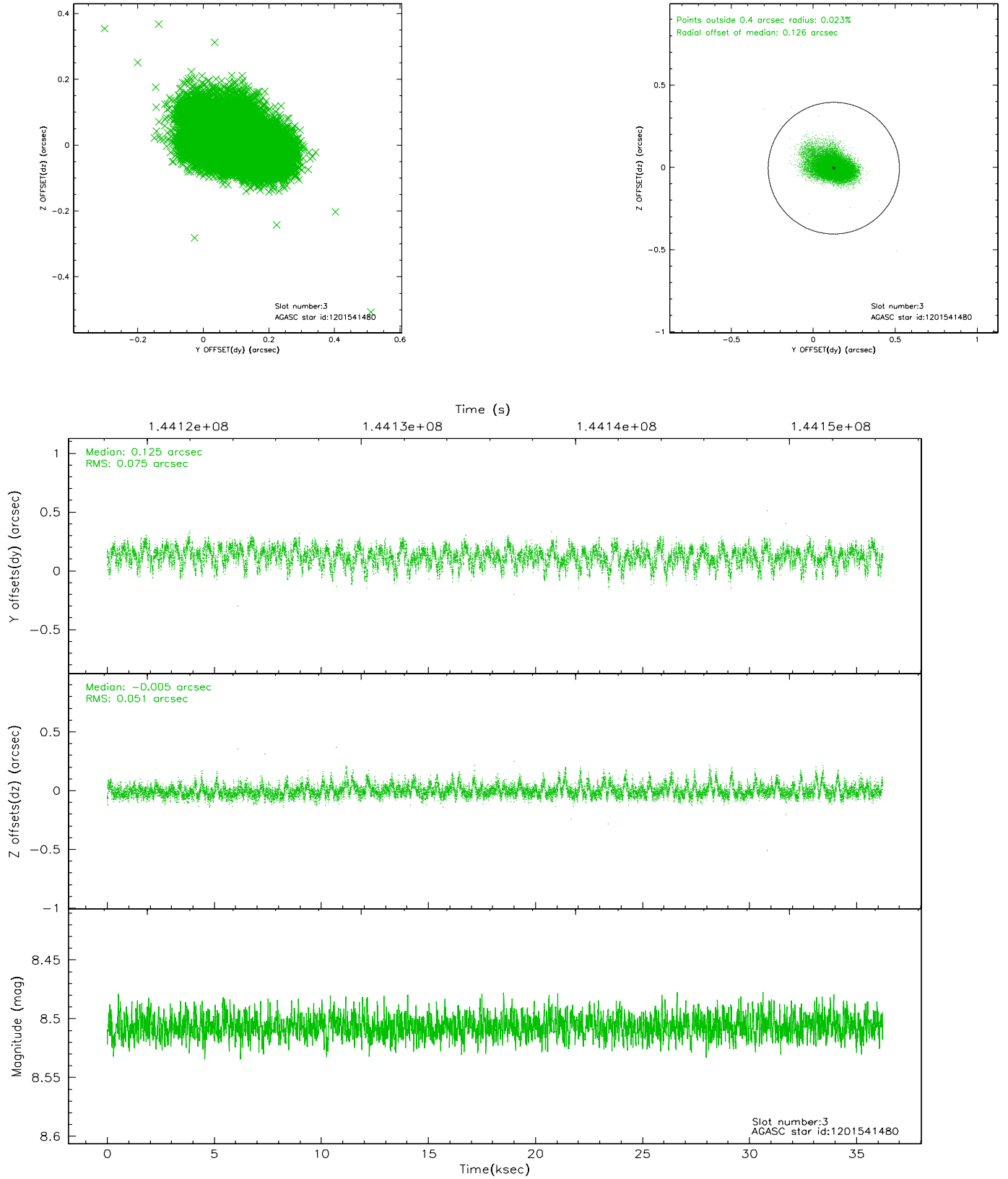
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.35	8836	-0.075	-0.059	0.013	0.034	0.000000	0.000000	58.57	-1857.17
1	FID	ACIS-S-4	7.20	8837	-0.021	0.067	0.009	0.020	0.000000	0.000000	2158.79	180.43
2	FID	ACIS-S-5	7.24	8837	0.066	0.002	0.013	0.042	0.000000	0.000000	-1807.27	174.11
3	GUIDE	1201541480	8.51	17663	0.125	-0.005	0.092	0.164	87.080483	-70.345903	-1758.41	1598.03
4	GUIDE	1201541752	7.32	17672	-0.188	-0.218	0.072	0.115	85.373891	-70.033762	550.27	2114.08
5	GUIDE	1201018312	9.60	17666	0.078	0.068	0.111	0.178	86.298231	-69.115627	1860.97	-1134.66
6	GUIDE	1201540736	9.53	17663	-0.136	0.141	0.137	0.227	88.890441	-69.433702	-1412.06	-2361.89
7	GUIDE	1201020088	10.63	17485	0.124	0.012	0.219	0.362	86.319248	-68.997756	2118.13	-1473.54

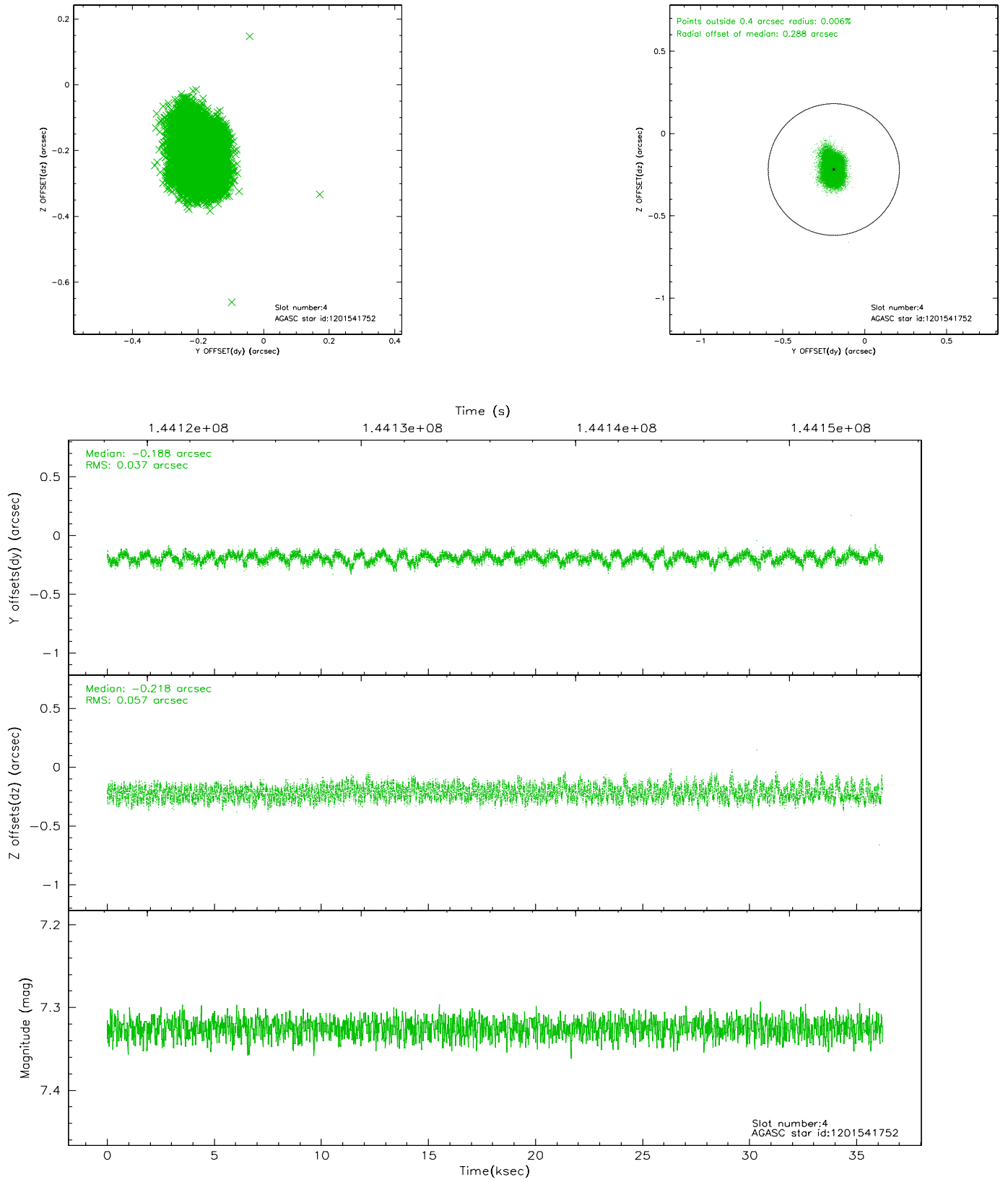


## 2.4 Star Slots

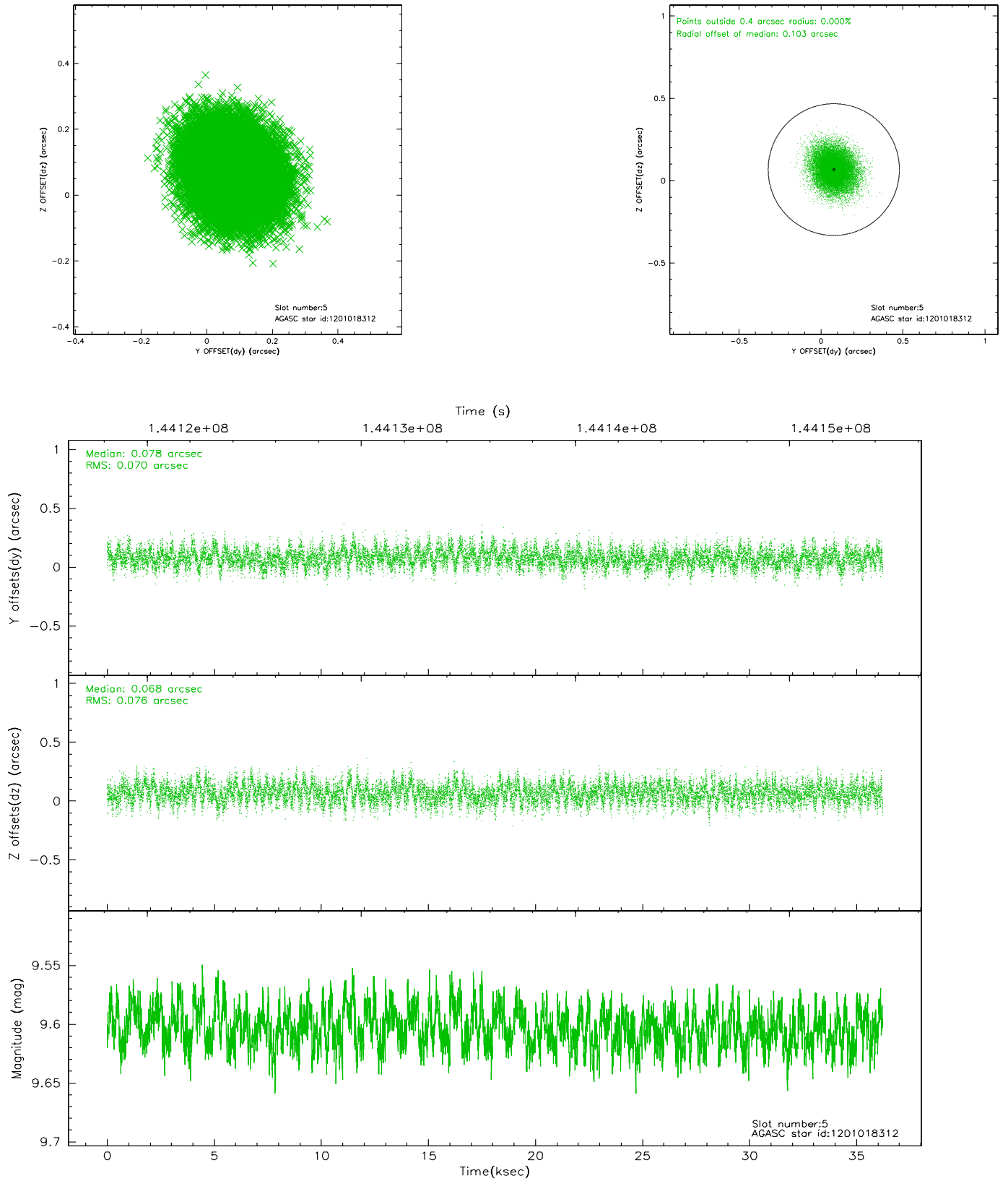
### 2.4.1 Slot 3



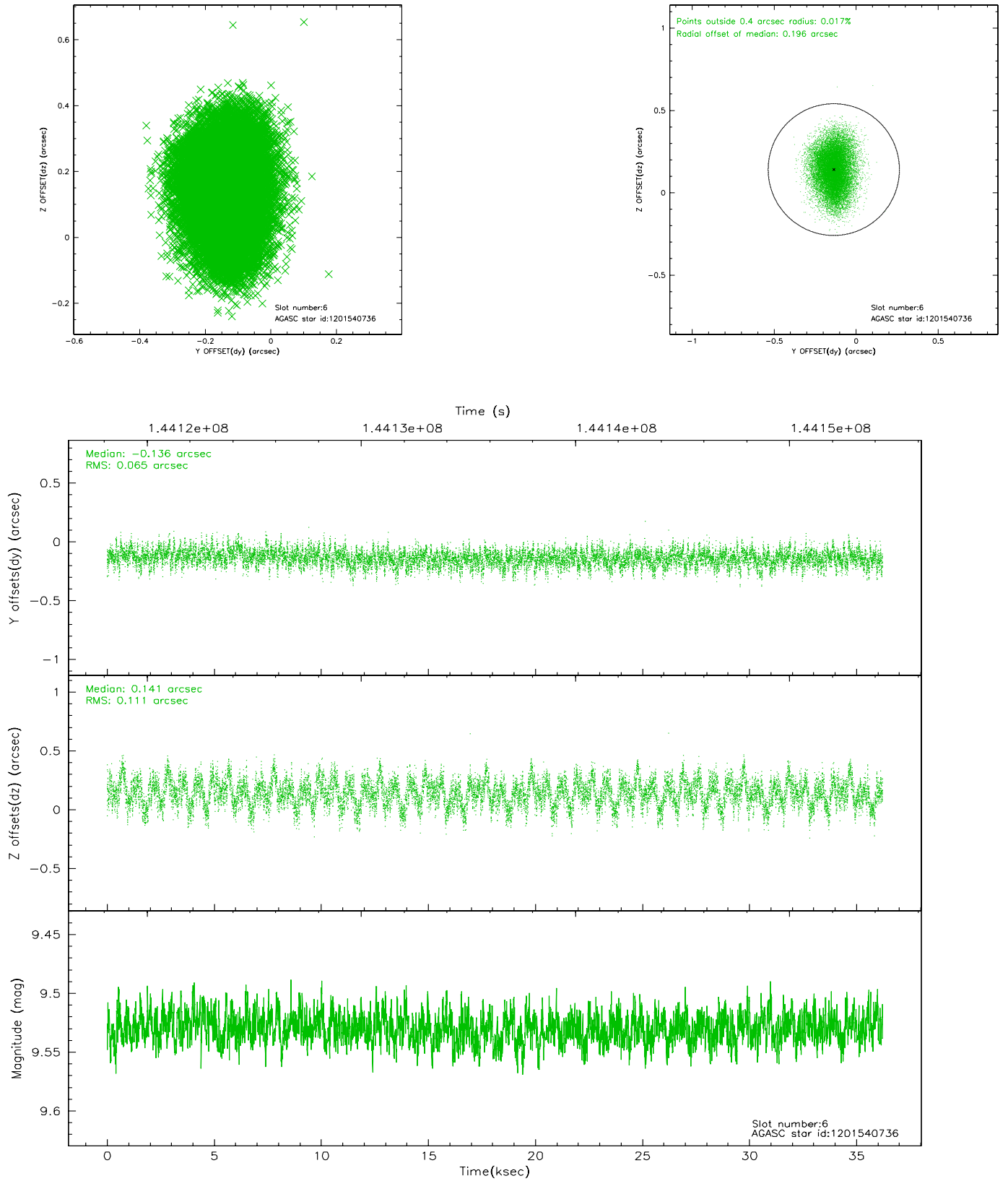
## 2.4.2 Slot 4



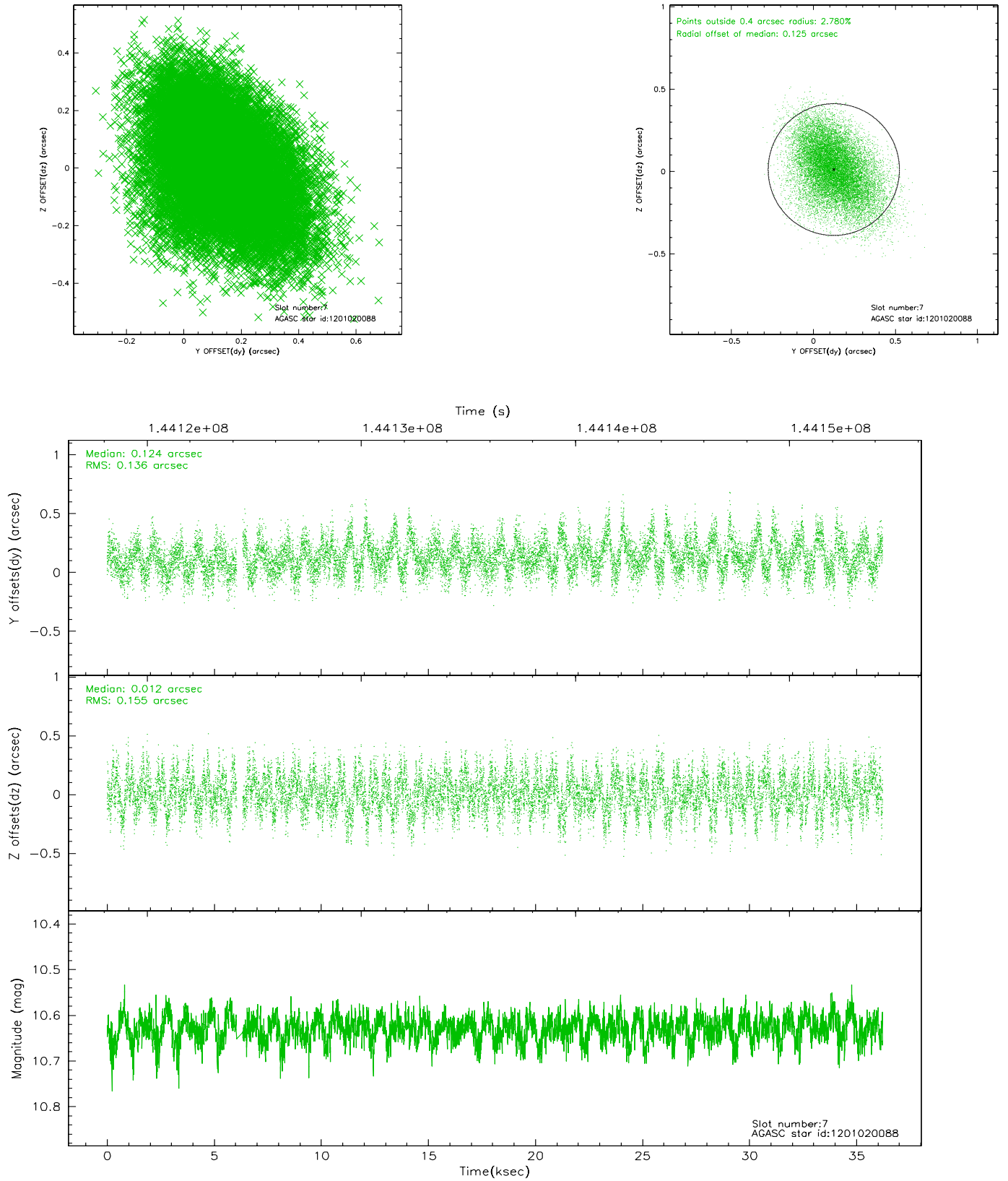
### 2.4.3 Slot 5



## 2.4.4 Slot 6

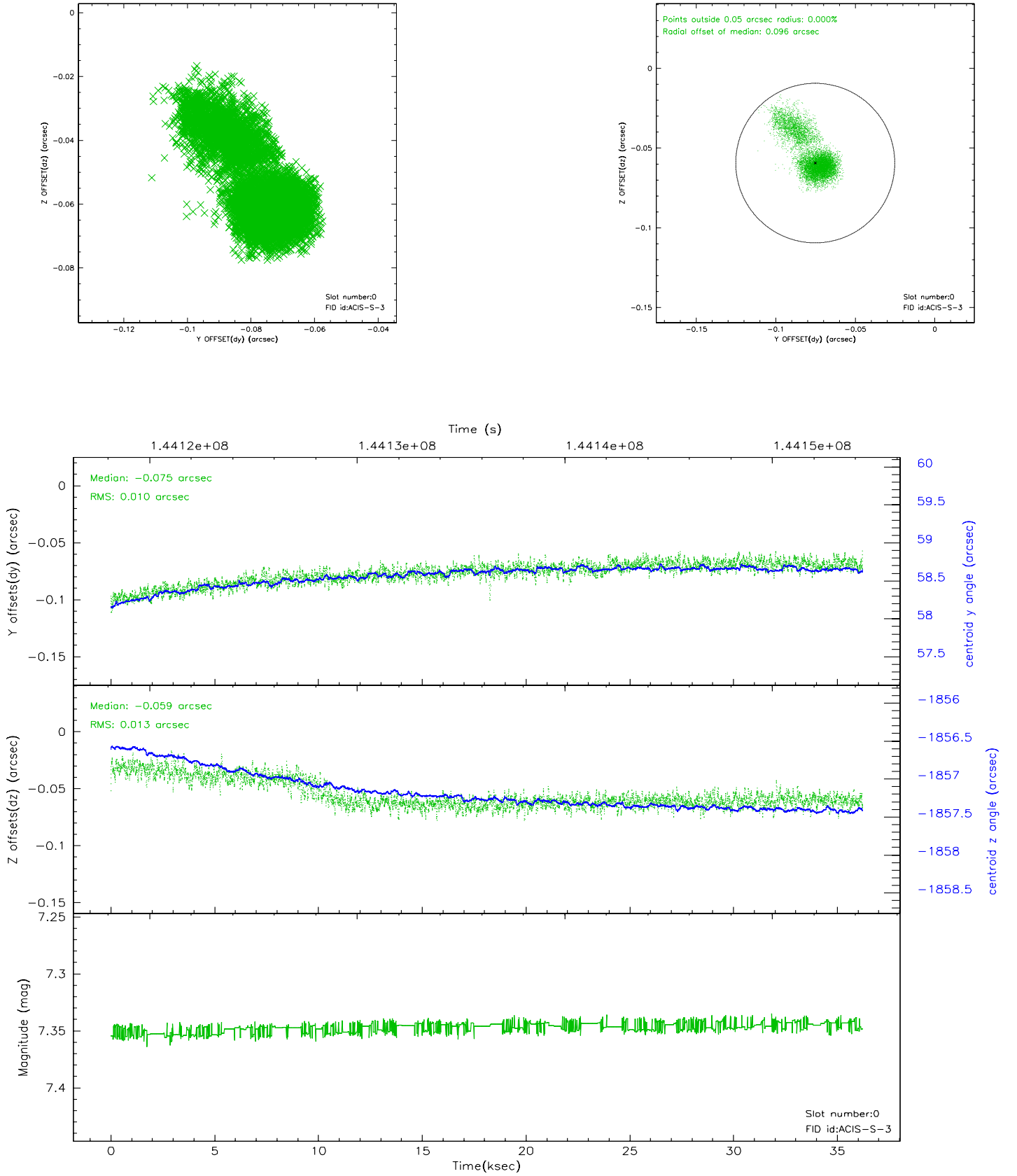


## 2.4.5 Slot 7

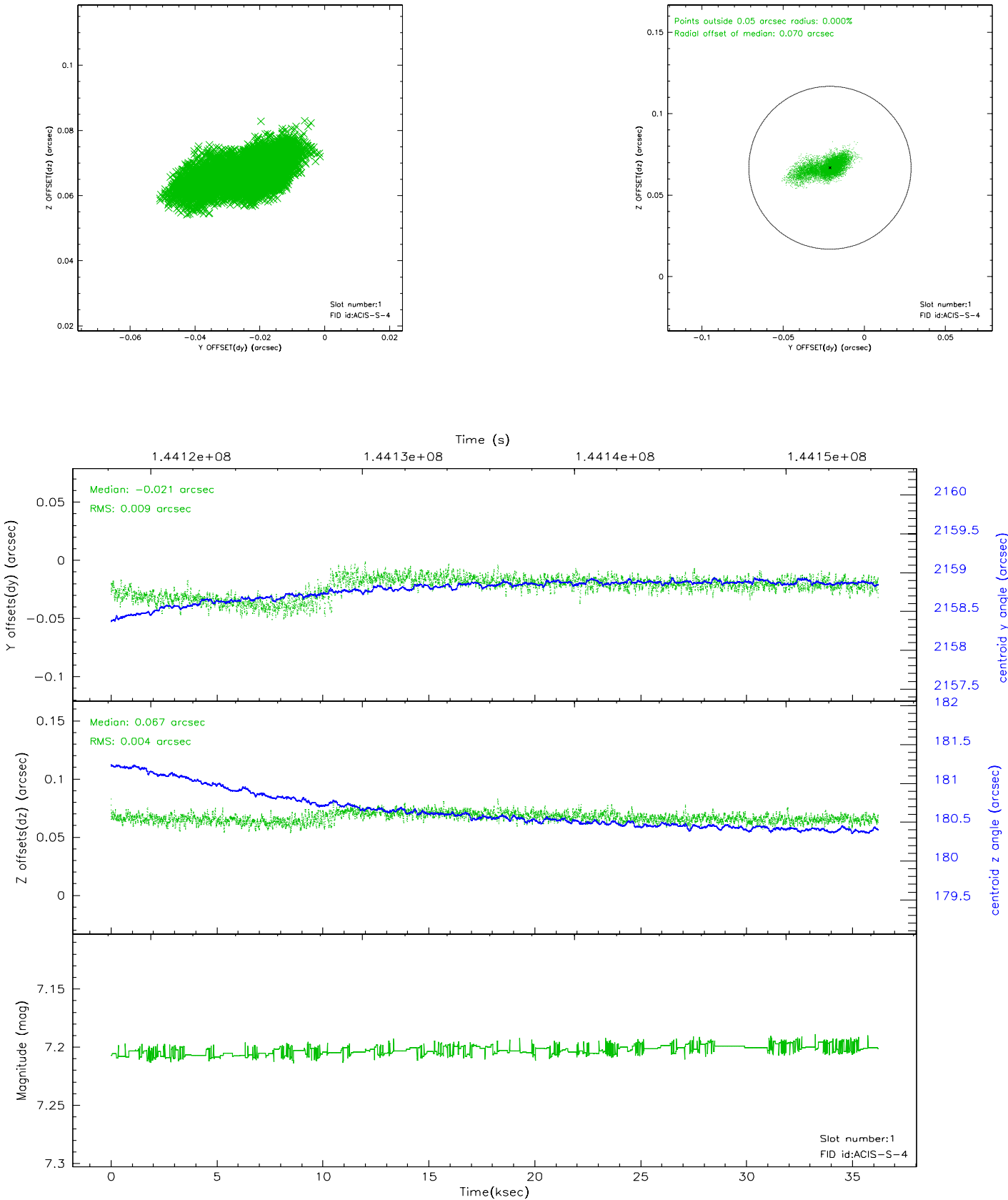


## 2.5 FID Slots

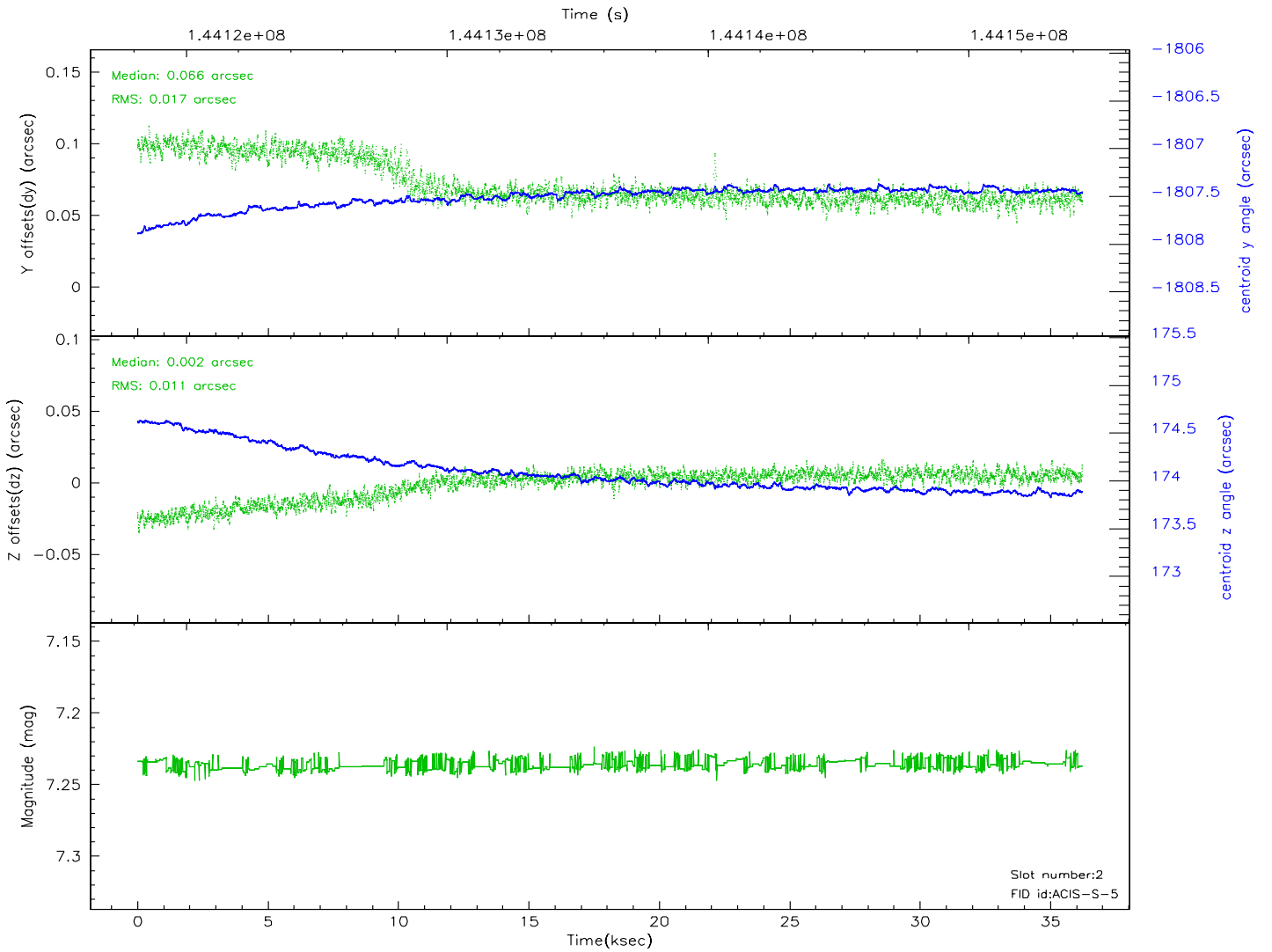
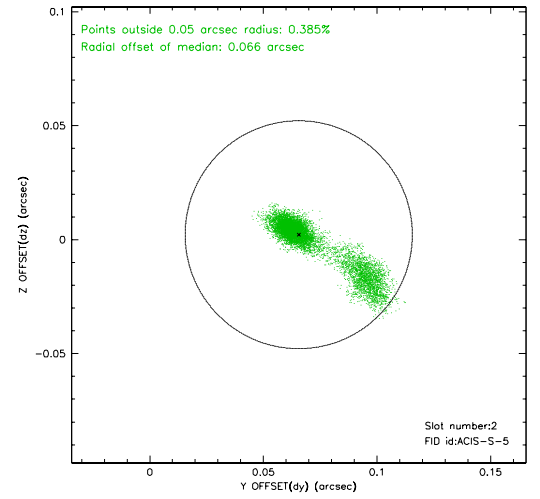
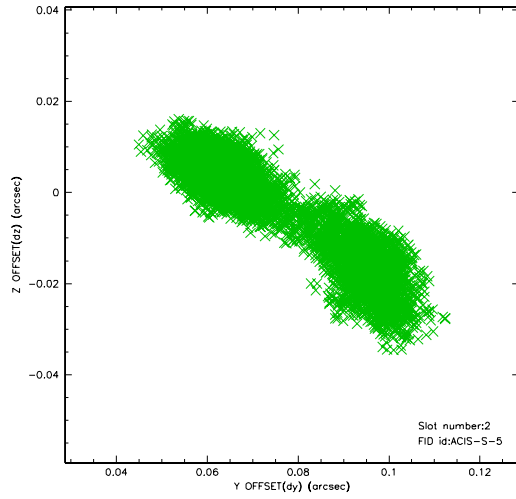
### 2.5.1 Slot 0



2.5.2 Slot 1

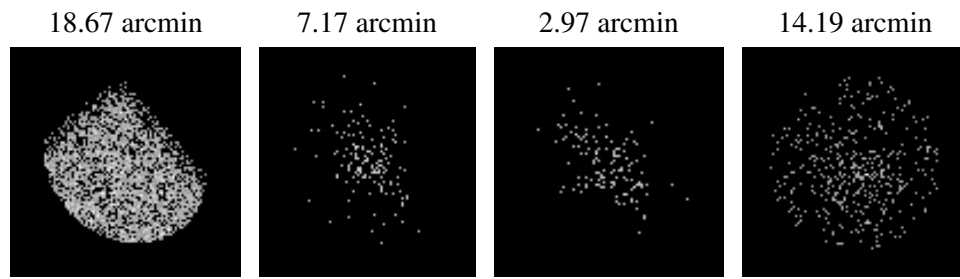


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.041

### A.2 Comments

Roll preference met.