

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4506 - L2 Version 001  
Chandra X-Ray Center

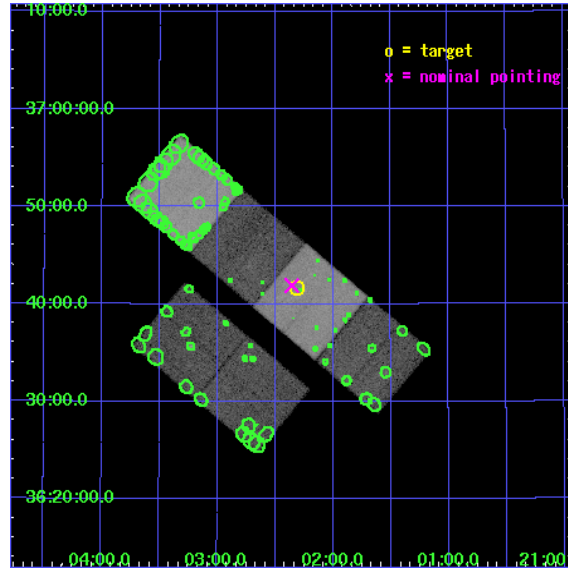
L2 Processing Date : May 31 2006

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# 1 Front

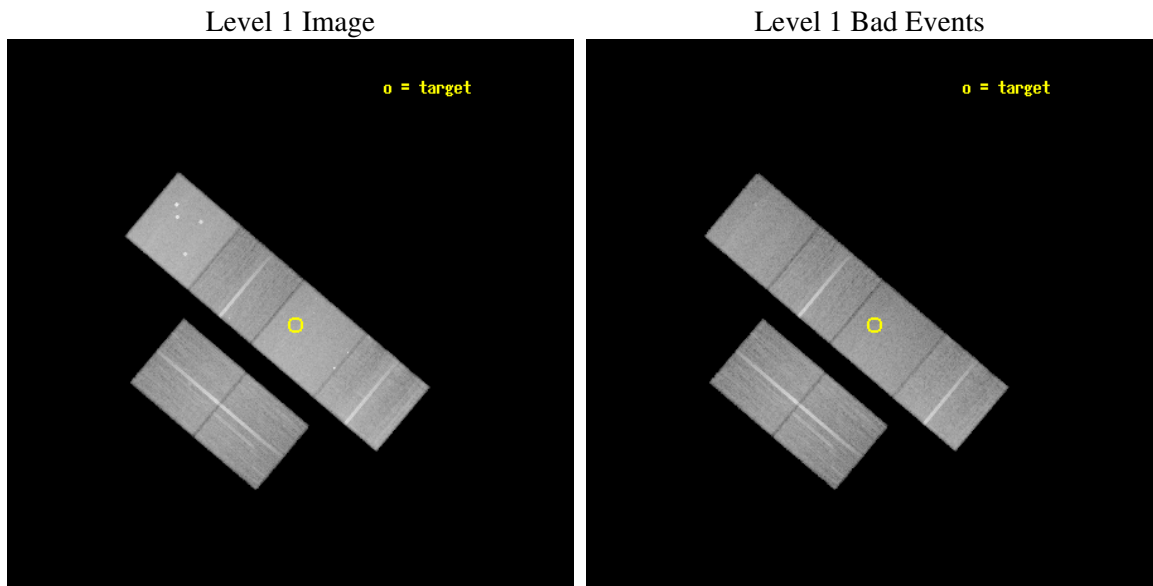
seq_num	200275
obs_id	4506
title	Wind-Wind Interactions and Stellar Magnetic Fields in Pre-Planetary Nebulae
observer	Dr. Raghvendra Sahai
object	AFGL 2688
dtcycle	0
cycle	P
ra_targ	315.578333
dec_targ	36.693889
ra_nom	315.5887636264
dec_nom	36.698723740675
roll_nom	40.185539813038
revision	2
ontime	37843.158898711
livetime	37363.966034321
ontime2	37833.435958058
ontime3	37833.435947925
ontime5	37839.917908579
ontime6	37843.158888727
ontime7	37843.158898711
ontime8	37836.676908314
l2events	392045



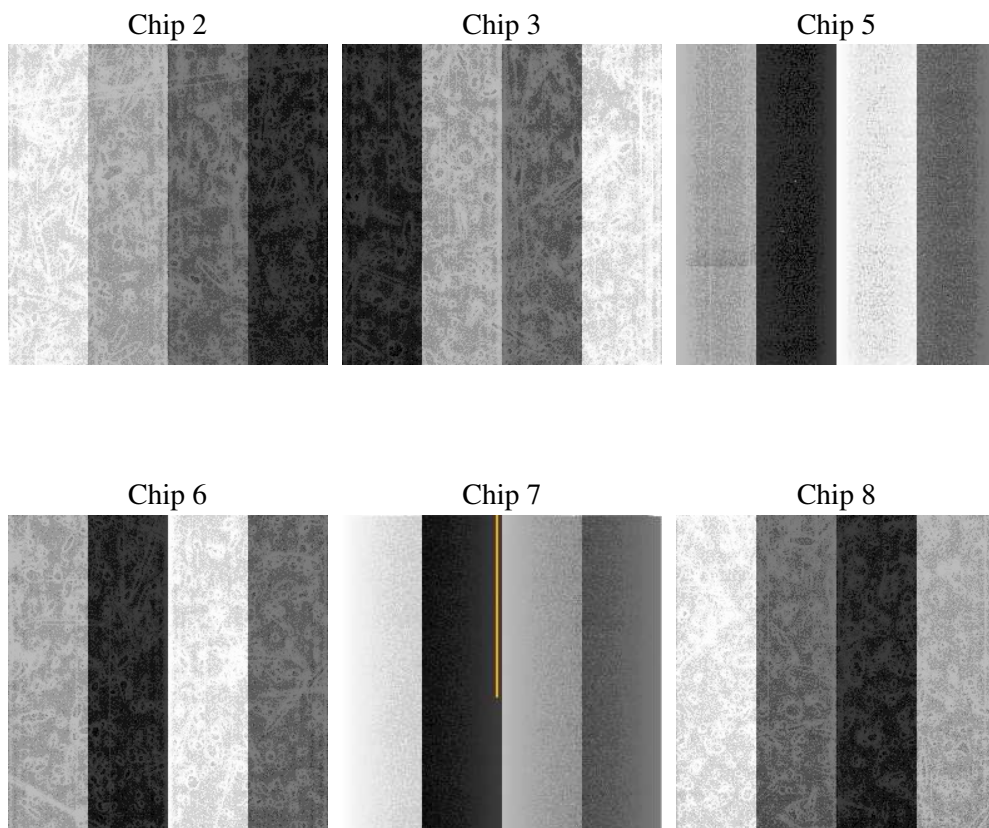
## 2 OBI

### 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	2006-05-31T11:57:25
revision	2

sched_exp_time	37667.953000
ontime	38136.858842105
ontime2	38127.135901451
ontime3	38127.135861397
ontime5	38133.617851973
ontime6	38136.858832121
ontime7	38136.858842105
ontime8	38130.376851708
l1events	1789682

### 2.1.4 Events

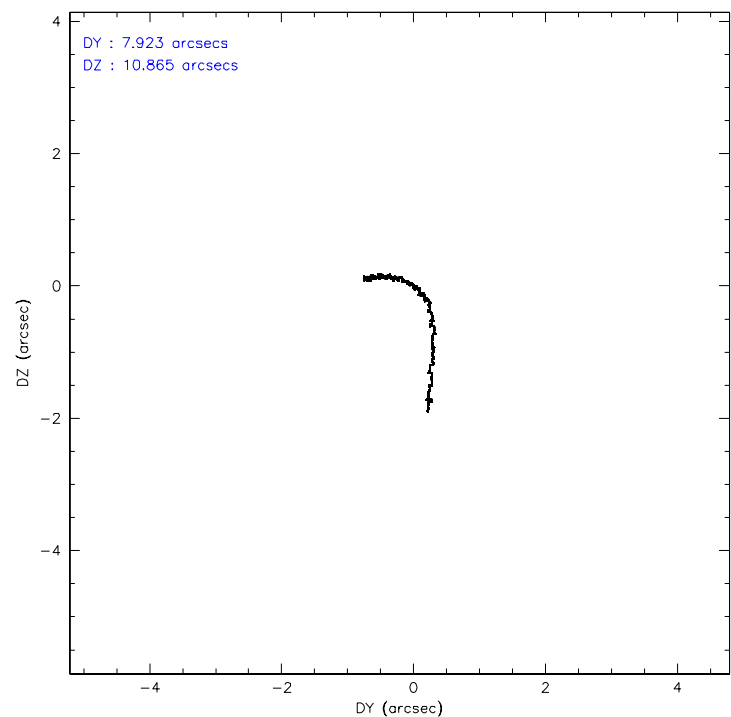
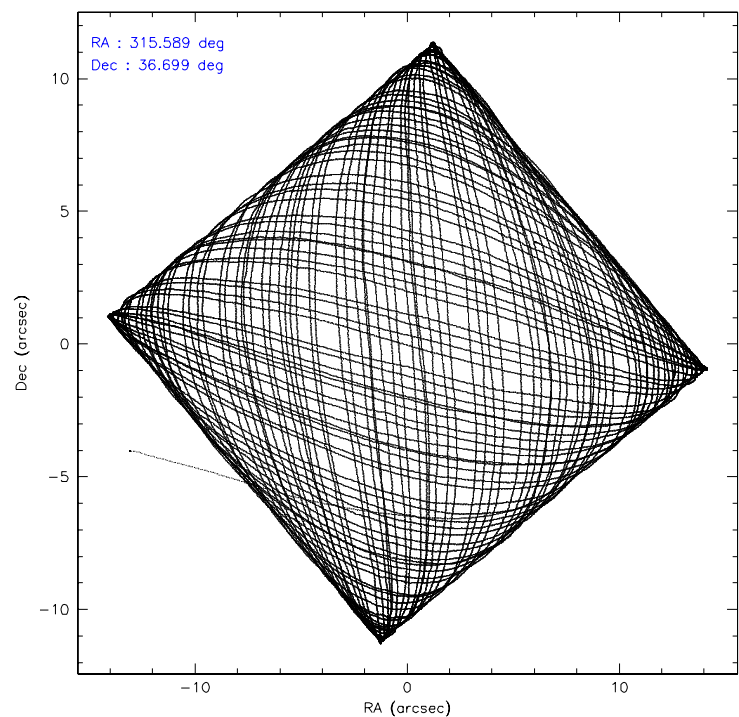
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	255616	246355	375516	251352	343753	317090
rejected events	225417	217227	210102	219804	212215	250110
rejected %	88%	88%	55%	87%	61%	78%

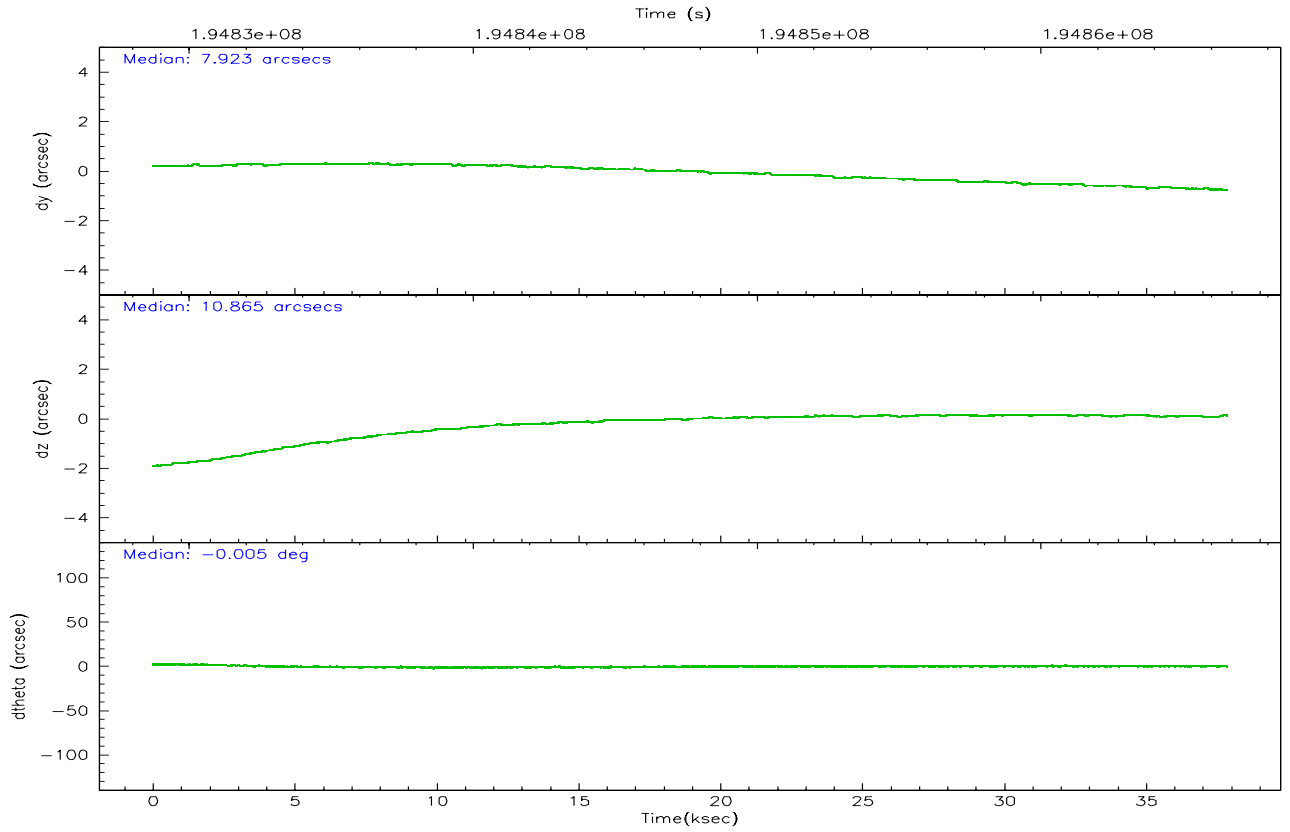
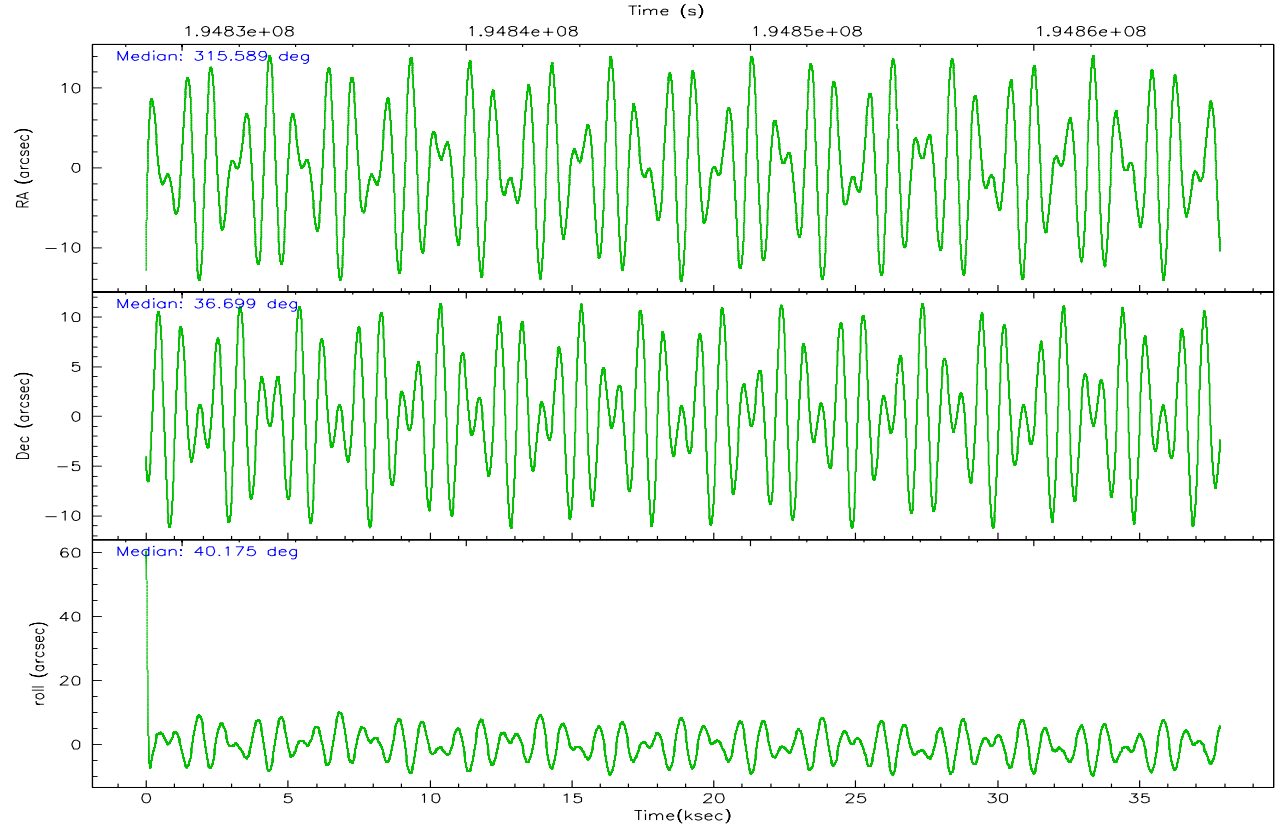
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13715	12920	15349	13459	8376	21845
	5%	5%	4%	5%	2%	6%
grade 1 events	156	166	424	132	196	216
	0%	0%	0%	0%	0%	0%
grade 2 events	6003	5631	49986	6374	33082	14816
	2%	2%	13%	2%	9%	4%
grade 3 events	2742	2852	3780	2997	6842	7079
	1%	1%	1%	1%	1%	2%
grade 4 events	2881	2920	3646	2968	6810	6732
	1%	1%	0%	1%	1%	2%
grade 5 events	10137	11274	17876	11694	22642	15293
	3%	4%	4%	4%	6%	4%
grade 6 events	5108	5054	93967	5979	77489	17067
	1%	2%	25%	2%	22%	5%
grade 7 events	214874	205538	190488	207749	188316	234042
	84%	83%	50%	82%	54%	73%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	315.577694	315.5887636263967	Alternating exposures requested	N	N
Pointing Dec	36.672995	36.69872374067454	Primary exposure time	0.000000	3.2
Pointing Roll	40.035506	40.18553981303821			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	194828895.184000	194827681.37678			
Observation start date	2004-03-04T23:07:11	2004-03-04T22:48:01			
Observation end time	194866563.184000	194866878.4035			
Observation end date	2004-03-05T09:34:59	2004-03-05T09:41:18			
Read mode	TIMED	TIMED			

2.3 Aspect





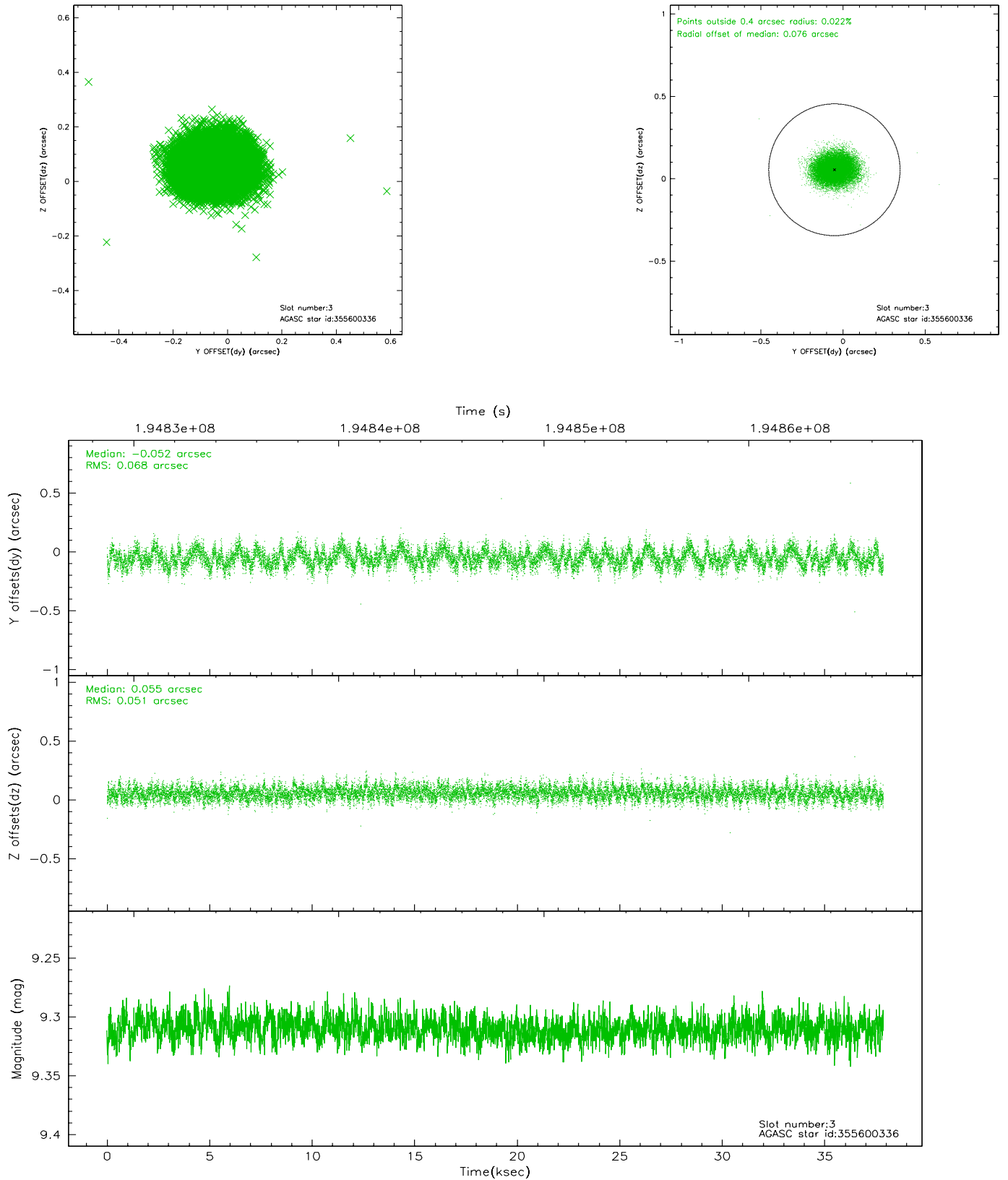
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9223	-0.020	0.014	0.010	0.025	0.000000	0.000000	-760.59	-1731.84
1	FID	ACIS-S-4	7.20	9223	0.035	0.006	0.018	0.029	0.000000	0.000000	2152.69	176.66
2	FID	ACIS-S-5	7.23	9226	-0.050	-0.011	0.021	0.034	0.000000	0.000000	-1813.46	170.28
3	GUIDE	355600336	9.31	18442	-0.052	0.055	0.091	0.144	315.858636	37.147643	1717.44	791.14
4	GUIDE	355607880	9.45	18442	0.111	-0.290	0.095	0.151	315.361737	36.532438	-802.77	14.69
5	GUIDE	355616736	8.66	18447	0.080	-0.020	0.067	0.107	315.502535	36.969558	521.49	956.72
6	GUIDE	355620520	9.12	18437	0.132	0.138	0.079	0.129	316.250047	36.732160	1627.37	-1078.95
7	GUIDE	355617840	9.46	18443	-0.266	0.121	0.116	0.186	316.079873	36.149261	-92.05	-2379.55

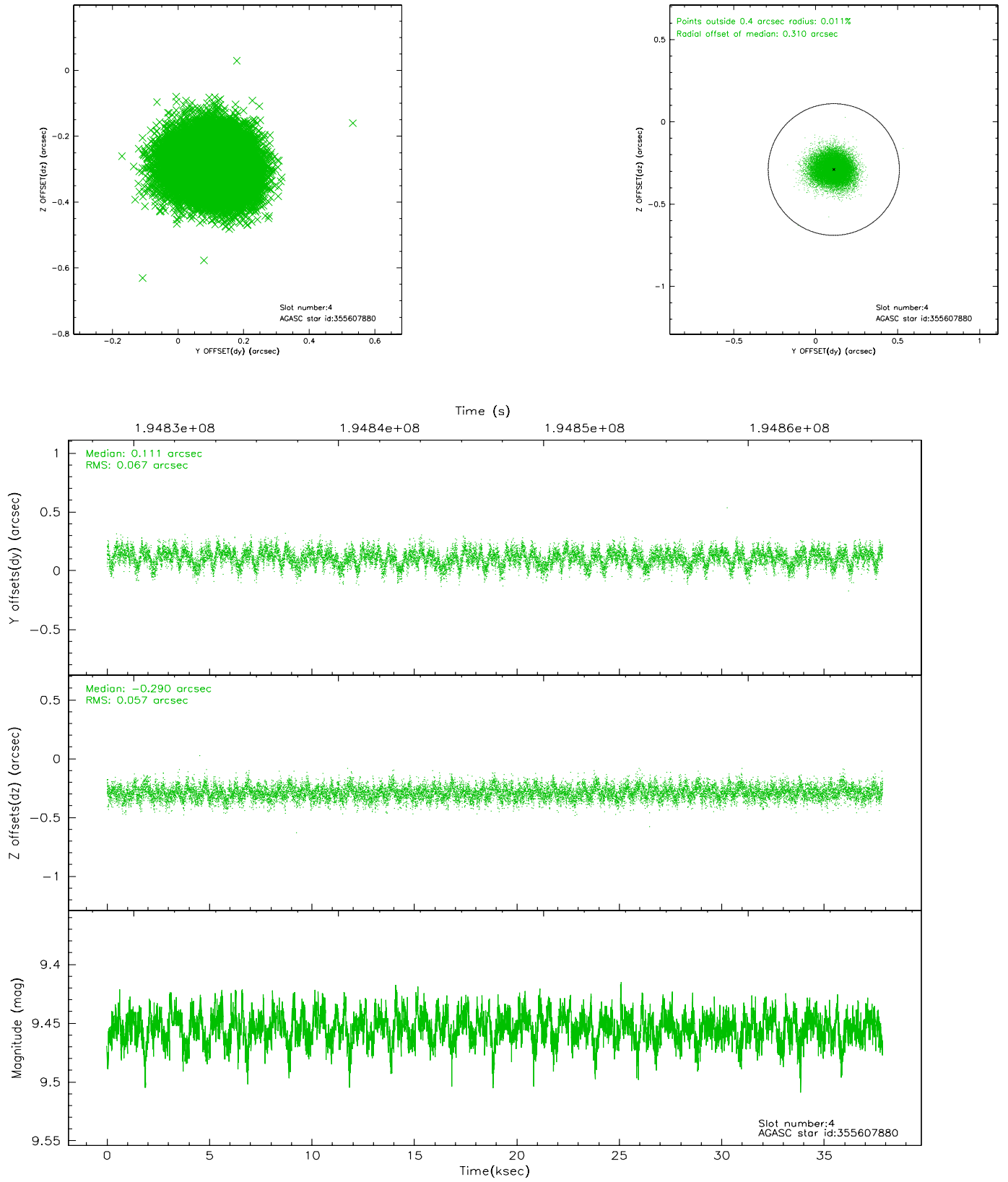


## 2.4 Star Slots

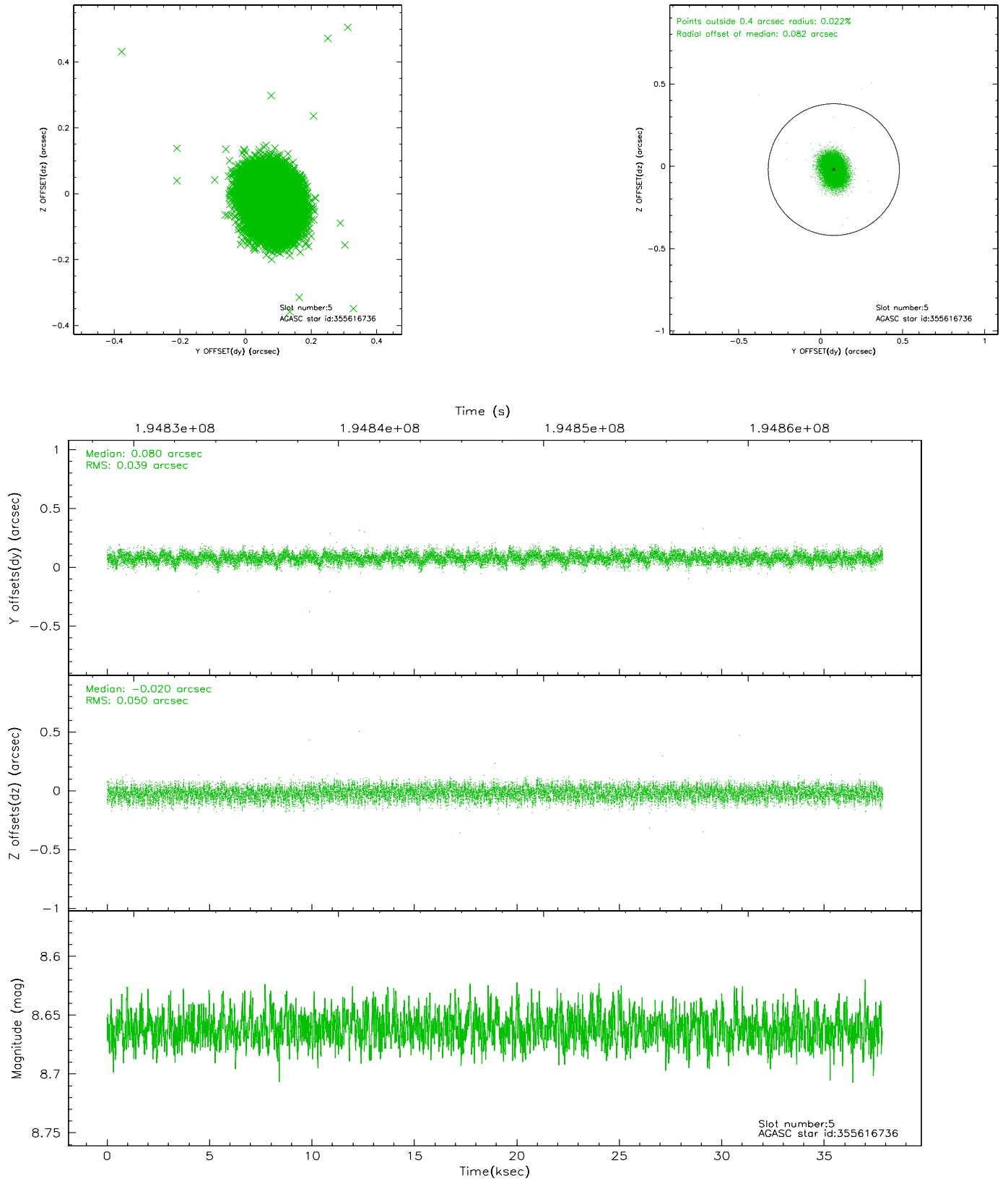
### 2.4.1 Slot 3



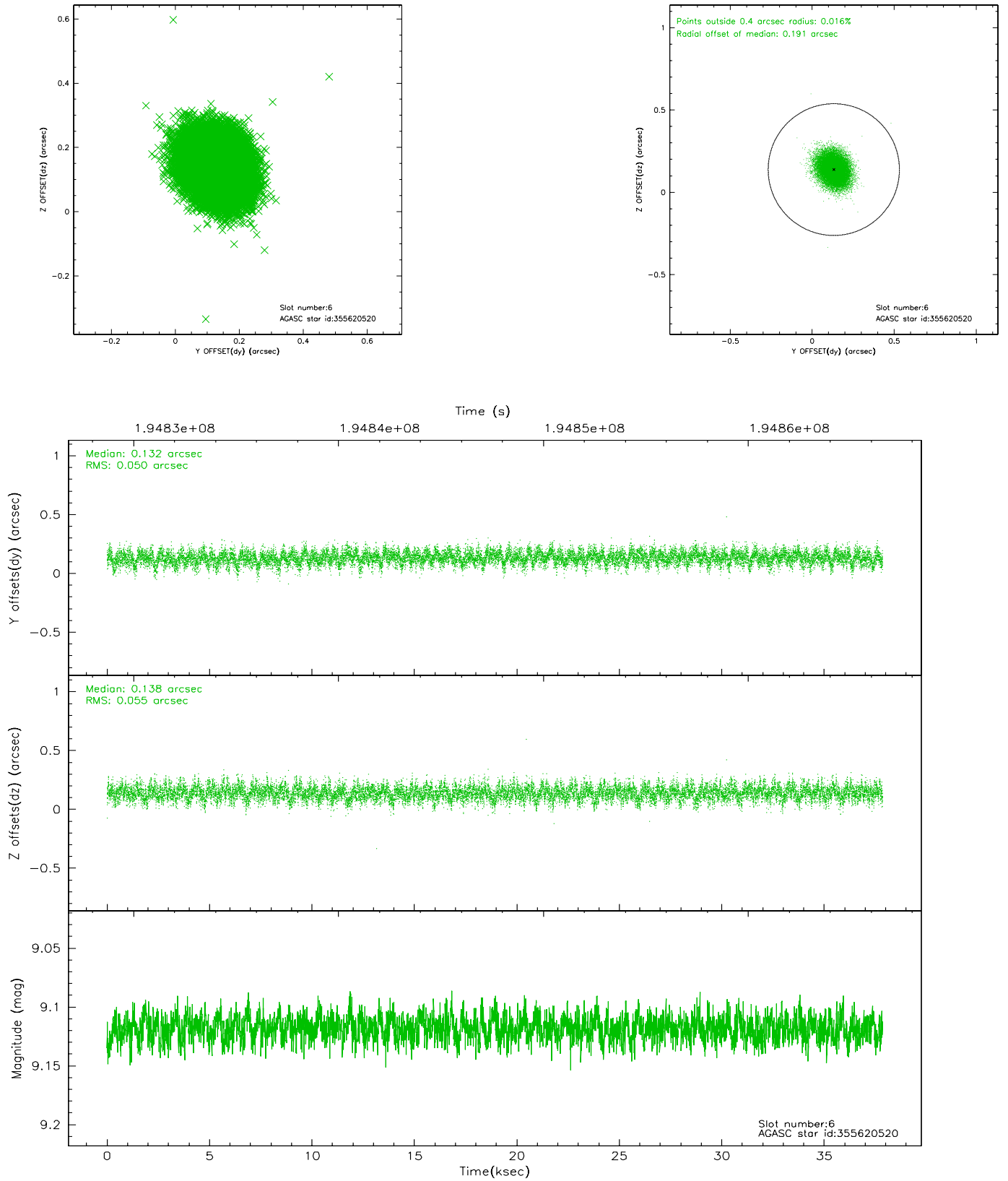
## 2.4.2 Slot 4



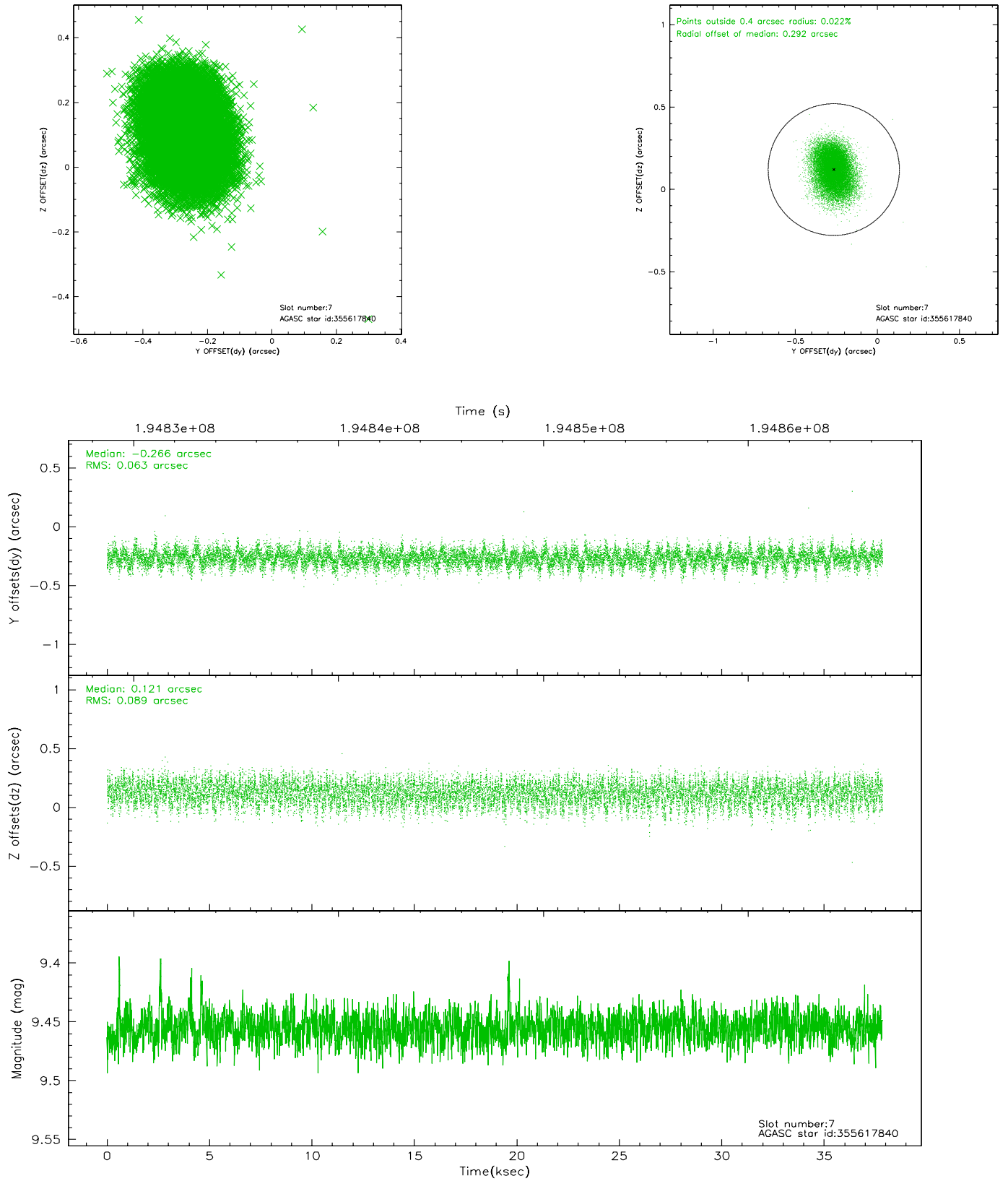
### 2.4.3 Slot 5



## 2.4.4 Slot 6

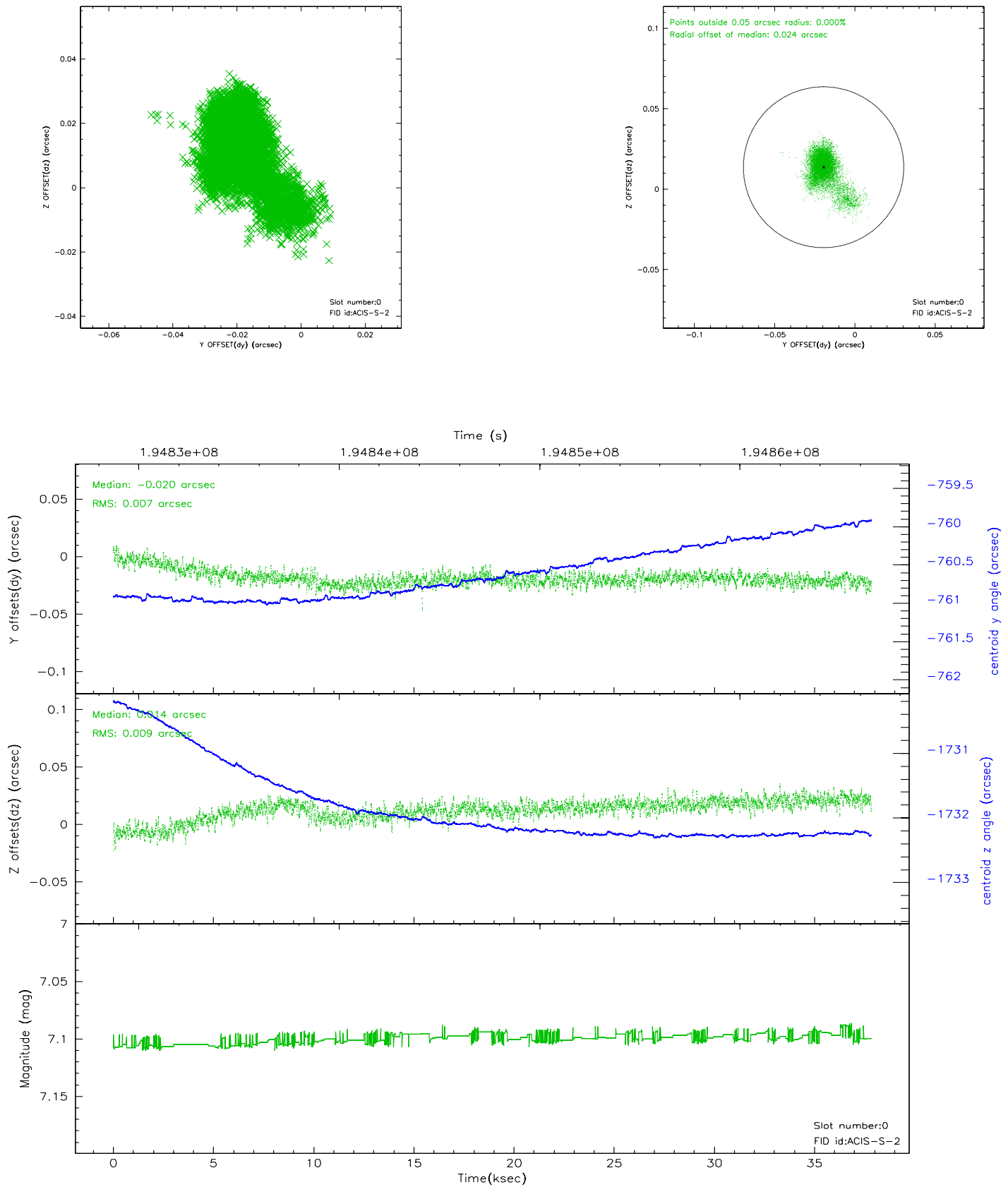


## 2.4.5 Slot 7

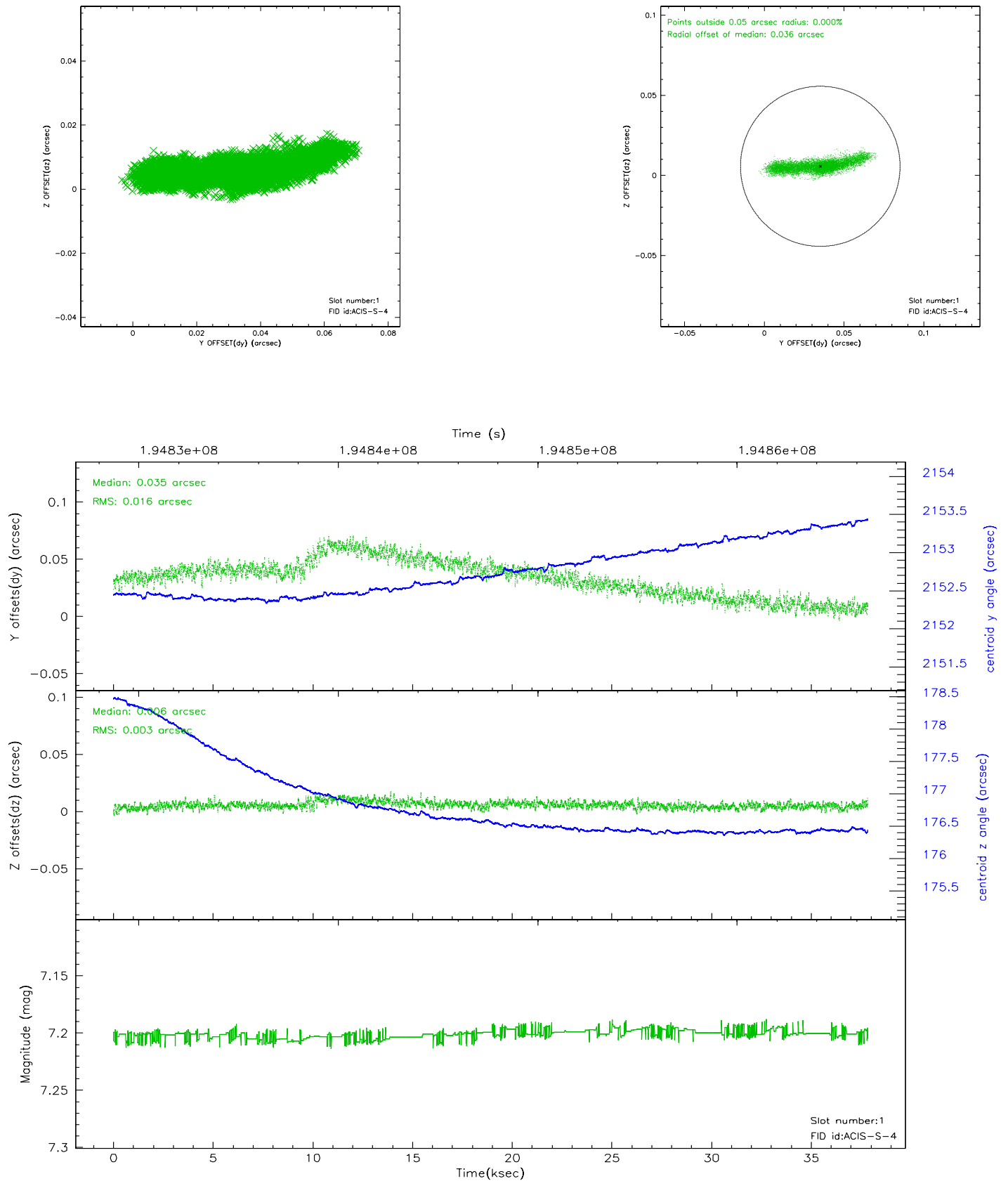


## 2.5 FID Slots

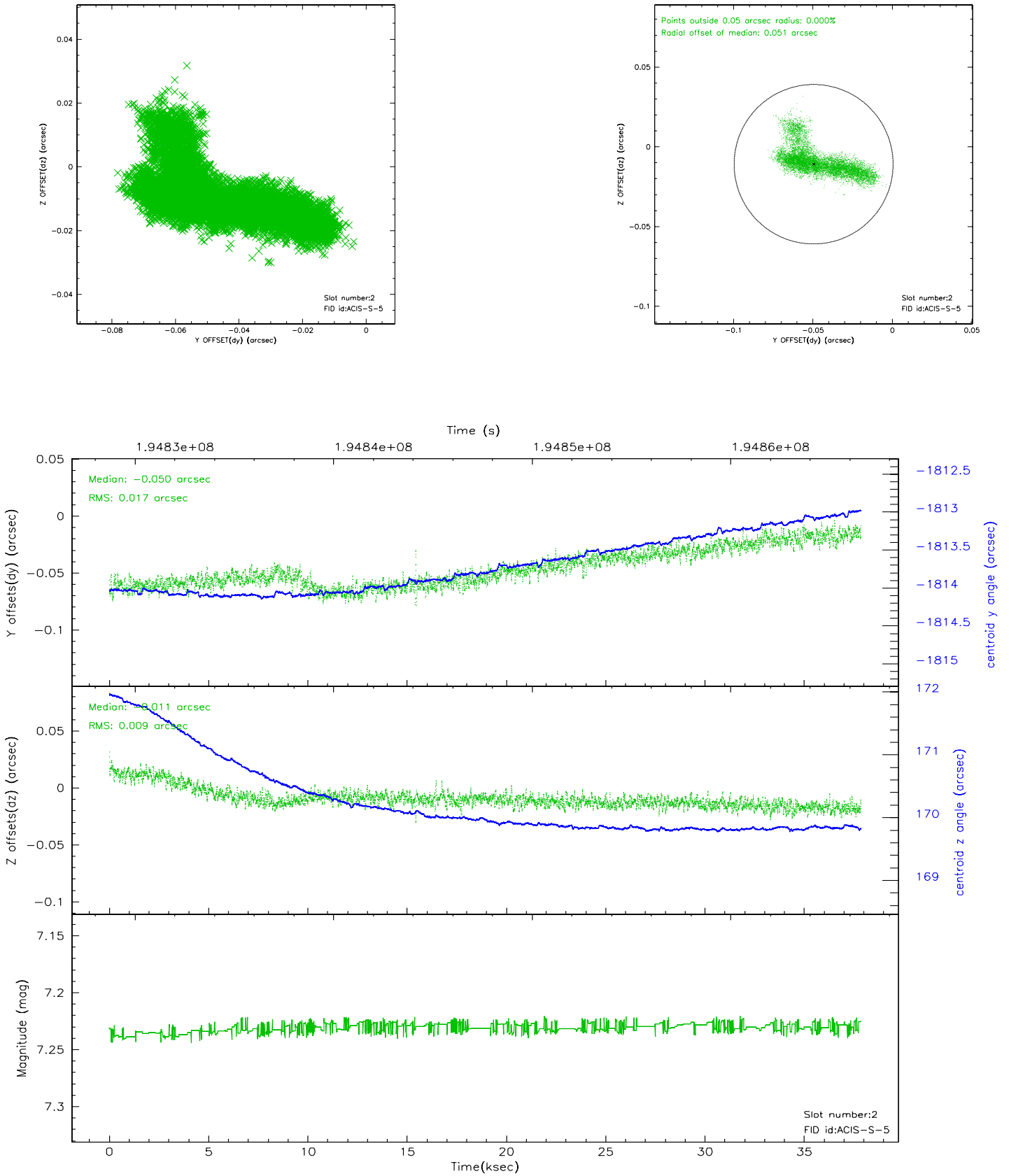
### 2.5.1 Slot 0



## 2.5.2 Slot 1

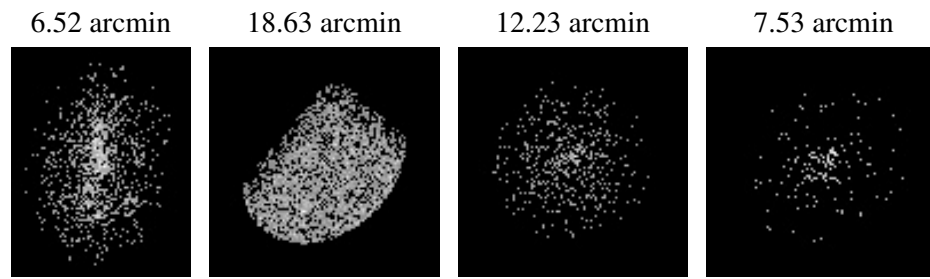


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.843

### A.2 Comments