

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6312 - L2 Version 002  
Chandra X-Ray Center

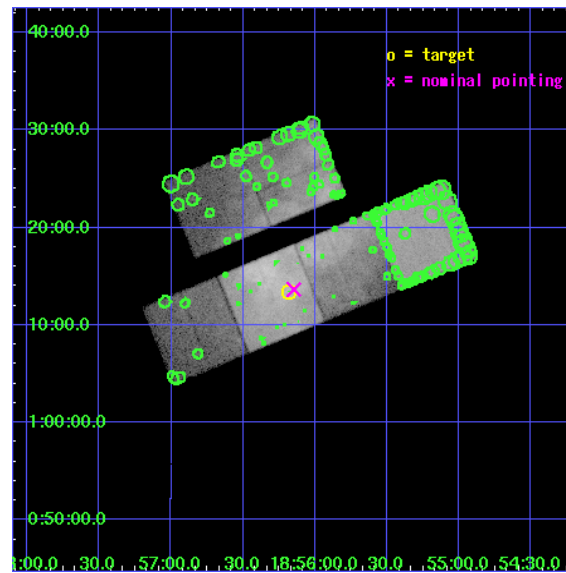
L2 Processing Date : Mar 11 2006

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# 1 Front

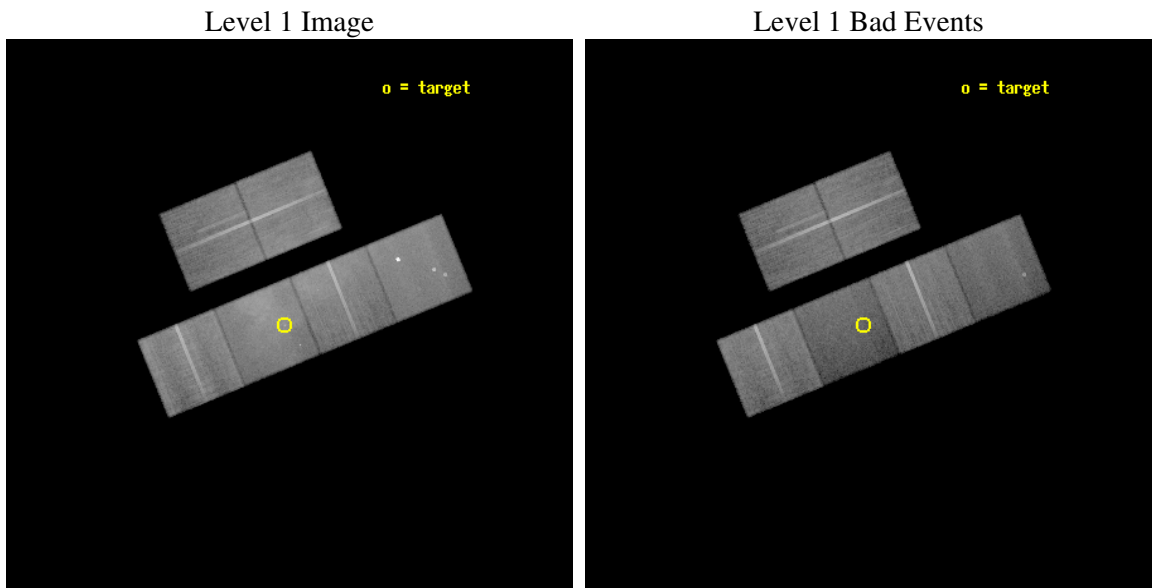
seq_num	500537
obs_id	6312
title	The Structure and Spectrum of W44 s Pulsar Wind Nebula
observer	Dr. Robert Petre
object	W44 PWN
dtcycle	0
cycle	P
ra_targ	284.045
dec_targ	1.2225
ra_nom	284.03684329759
dec_nom	1.2276721635128
roll_nom	157.65680144411
revision	2
ontime	40089.599850655
livetime	39581.961198287
ontime2	40089.599850655
ontime3	40079.876879901
ontime5	40089.599850655
ontime6	40089.599850655
ontime7	40089.599850655
ontime8	40089.599850655
l2events	600654



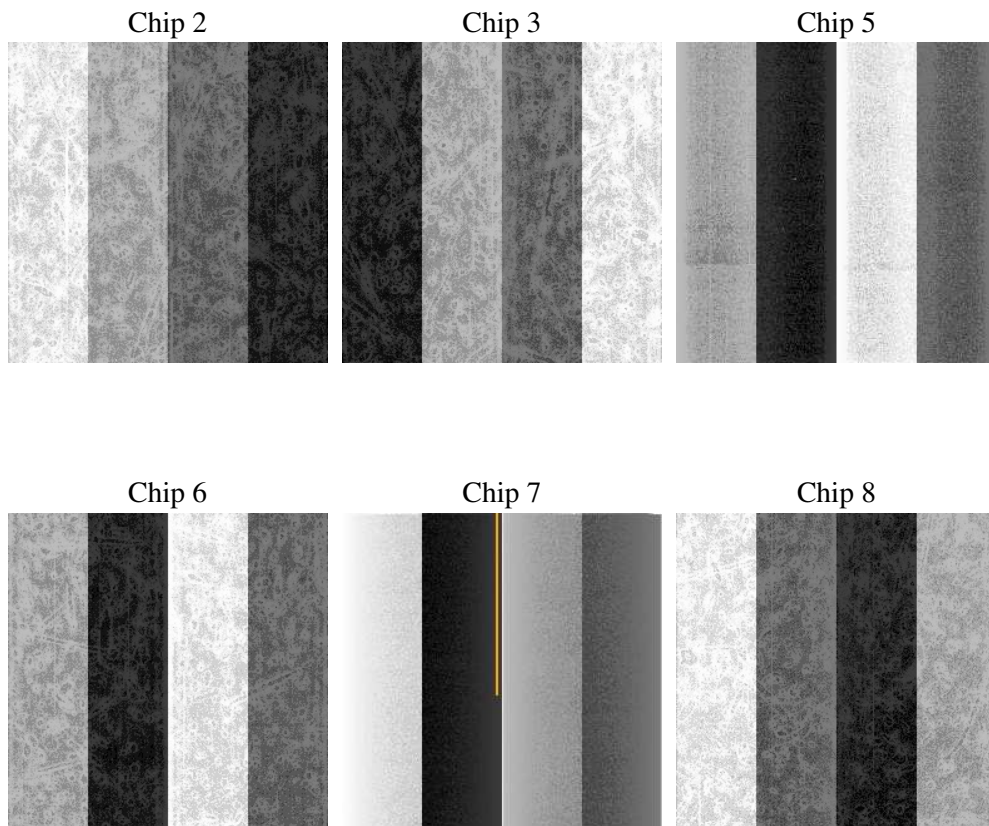
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-11T17:22:38
revision	2

sched_exp_time	40000.000000
ontime	40094.571971714
ontime2	40094.571971714
ontime3	40084.849000961
ontime5	40094.571981609
ontime6	40094.571971714
ontime7	40094.571971714
ontime8	40094.571971714
l1events	1870003

### 2.1.4 Events

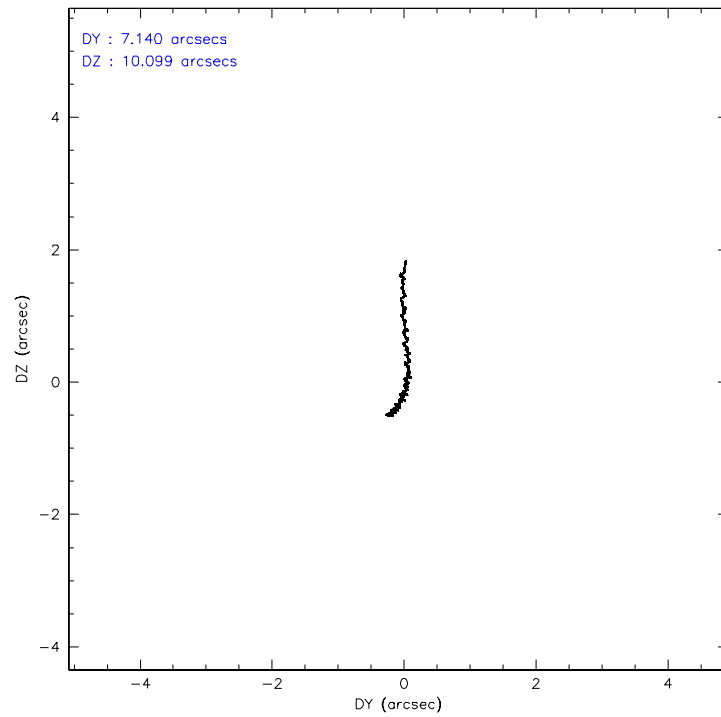
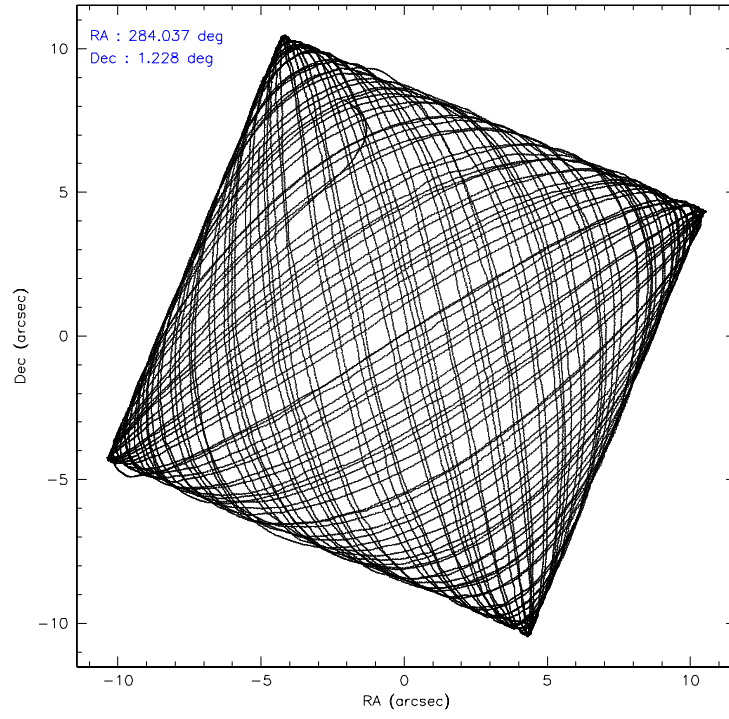
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	336143	254347	310852	330511	334272	303878
rejected events	235268	217121	149770	222918	130802	229799
rejected %	69%	85%	48%	67%	39%	75%

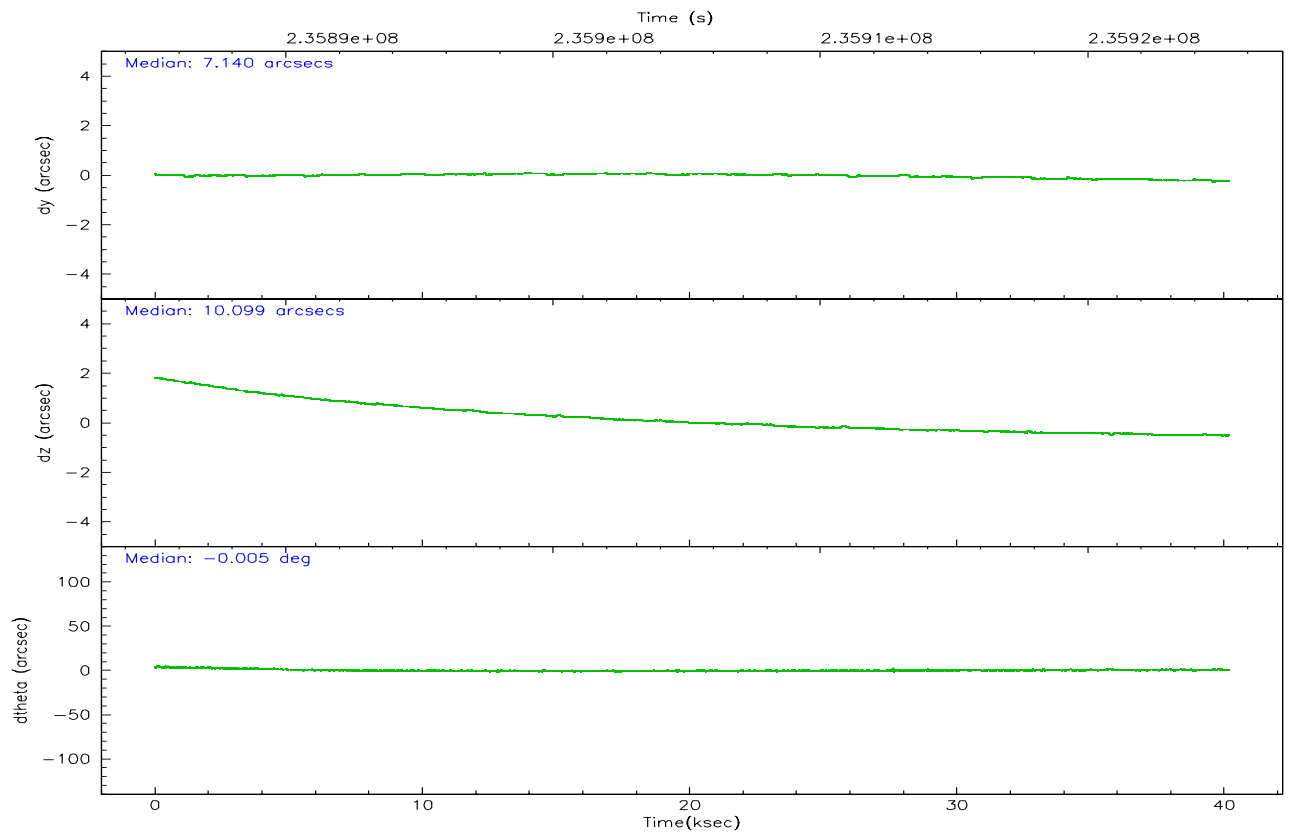
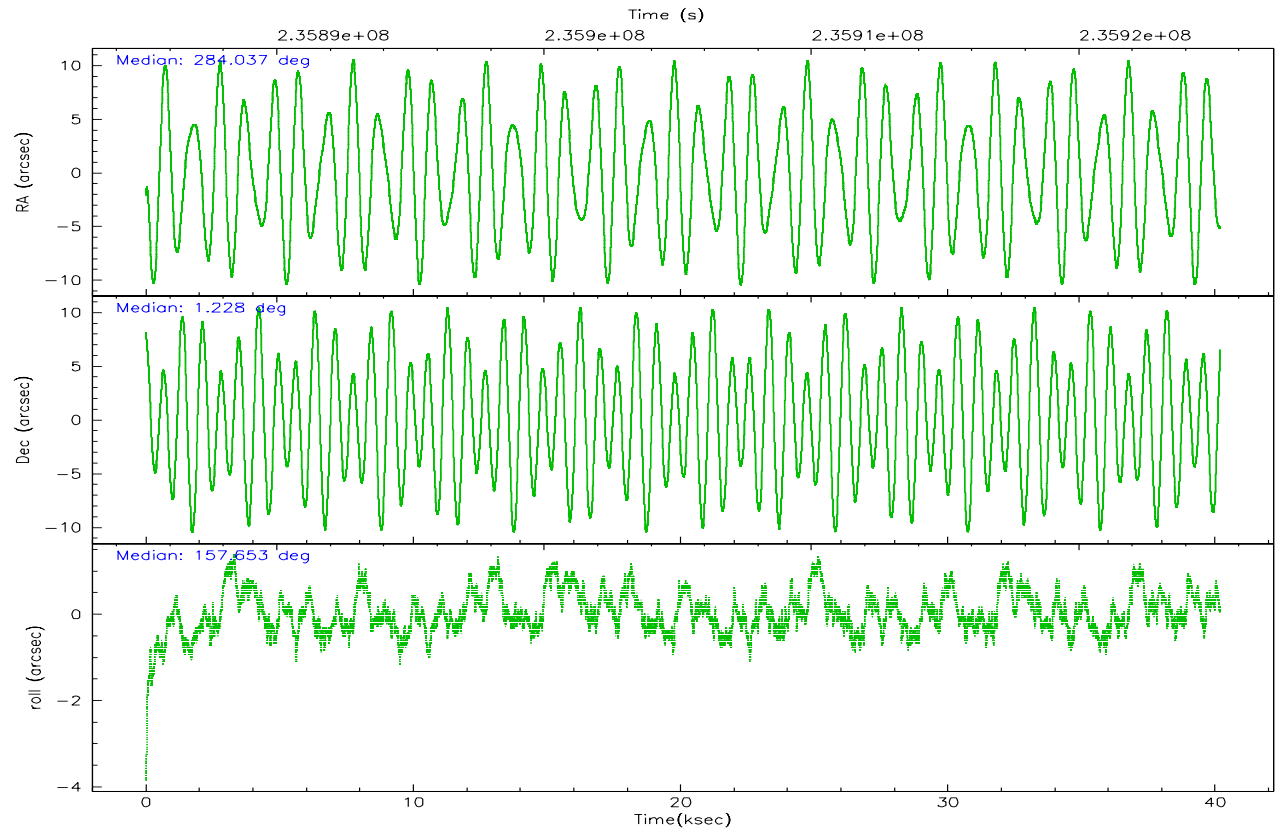
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	72869	20287	20020	77904	31061	22022
	21%	7%	6%	23%	9%	7%
grade 1 events	418	187	81	420	163	217
	0%	0%	0%	0%	0%	0%
grade 2 events	13051	6311	48755	13520	55902	17018
	3%	2%	15%	4%	16%	5%
grade 3 events	4835	3085	3178	4959	16475	7957
	1%	1%	1%	1%	4%	2%
grade 4 events	4828	3063	2915	4887	16102	7407
	1%	1%	0%	1%	4%	2%
grade 5 events	7377	8386	16786	8843	19267	12776
	2%	3%	5%	2%	5%	4%
grade 6 events	5306	4489	86238	6335	83959	19685
	1%	1%	27%	1%	25%	6%
grade 7 events	227459	208539	132879	213643	111343	216796
	67%	81%	42%	64%	33%	71%

## 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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	284.063776	284.0368432975898	Alternating exposures requested	N	N
Pointing Dec	1.231681	1.227672163512835	Primary exposure time	0.000000	3.2
Pointing Roll	157.499600	157.6568014441114			
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	235885292.184000	235884263.72843			
Observation start date	2005-06-23T03:40:28	2005-06-23T03:24:23			
Observation end time	235925292.184000	235925903.84284			
Observation end date	2005-06-23T14:47:08	2005-06-23T14:58:23			
Read mode	TIMED	TIMED			

## 2.3 Aspect





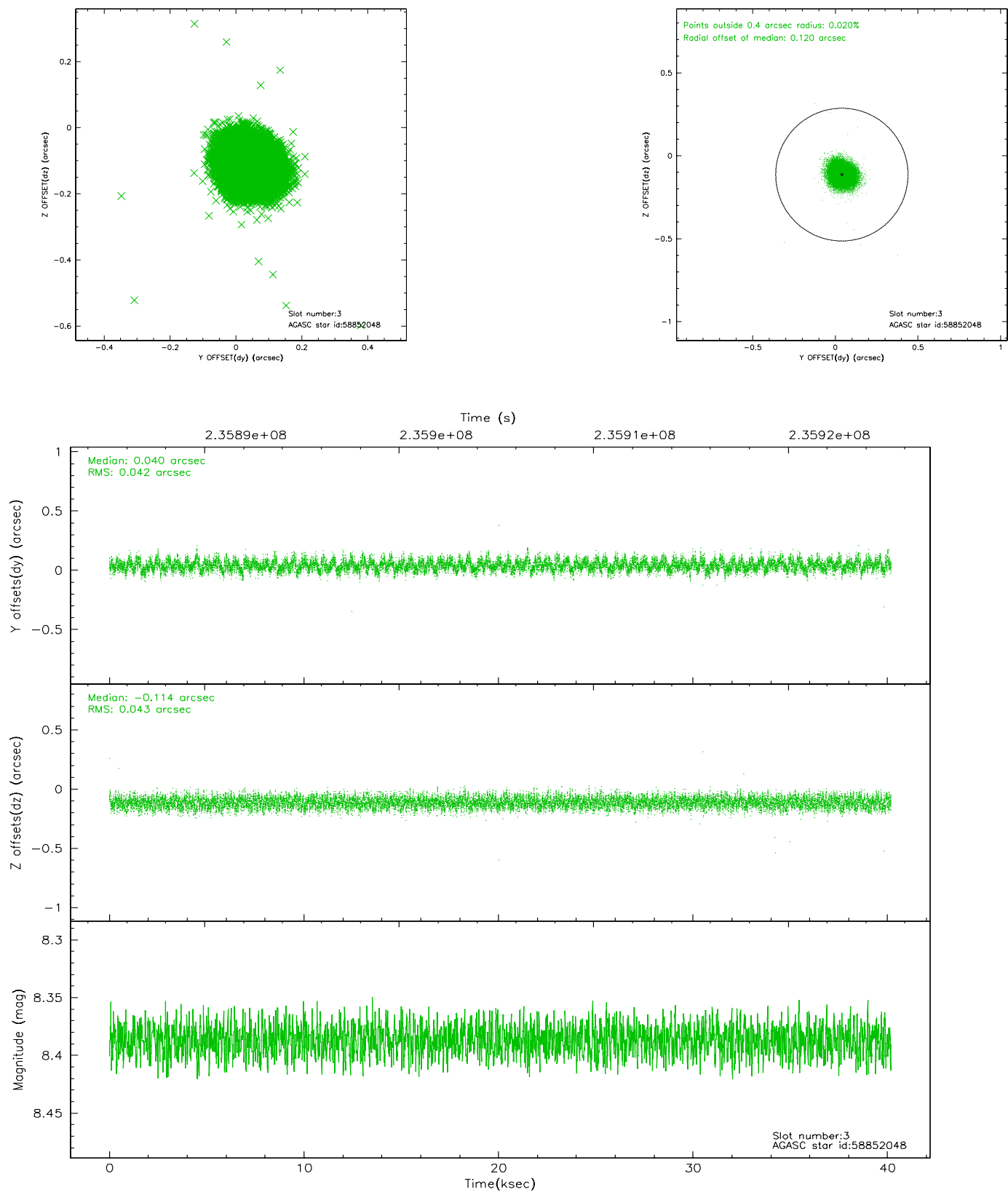
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9803	-0.047	-0.010	0.011	0.029	0.000000	0.000000	-759.87	-1731.58
1	FID	ACIS-S-4	7.21	9801	0.059	0.026	0.009	0.033	0.000000	0.000000	2153.46	176.98
2	FID	ACIS-S-5	7.24	9803	-0.042	-0.006	0.009	0.014	0.000000	0.000000	-1812.73	170.55
3	GUIDE	58852048	8.39	19594	0.040	-0.114	0.064	0.101	283.366398	0.870285	1821.62	2162.61
4	GUIDE	58853136	7.43	19602	-0.035	0.009	0.061	0.099	284.607098	1.198128	-1852.50	-636.78
5	GUIDE	58853800	7.97	19601	0.035	-0.024	0.059	0.093	284.849220	1.406285	-2370.63	-1663.00
6	GUIDE	59377960	7.68	19600	0.050	0.030	0.078	0.135	283.627467	1.897490	2367.87	-1613.31
7	GUIDE	59376240	7.29	19597	-0.090	0.098	0.069	0.108	283.651753	1.887471	2273.60	-1613.64

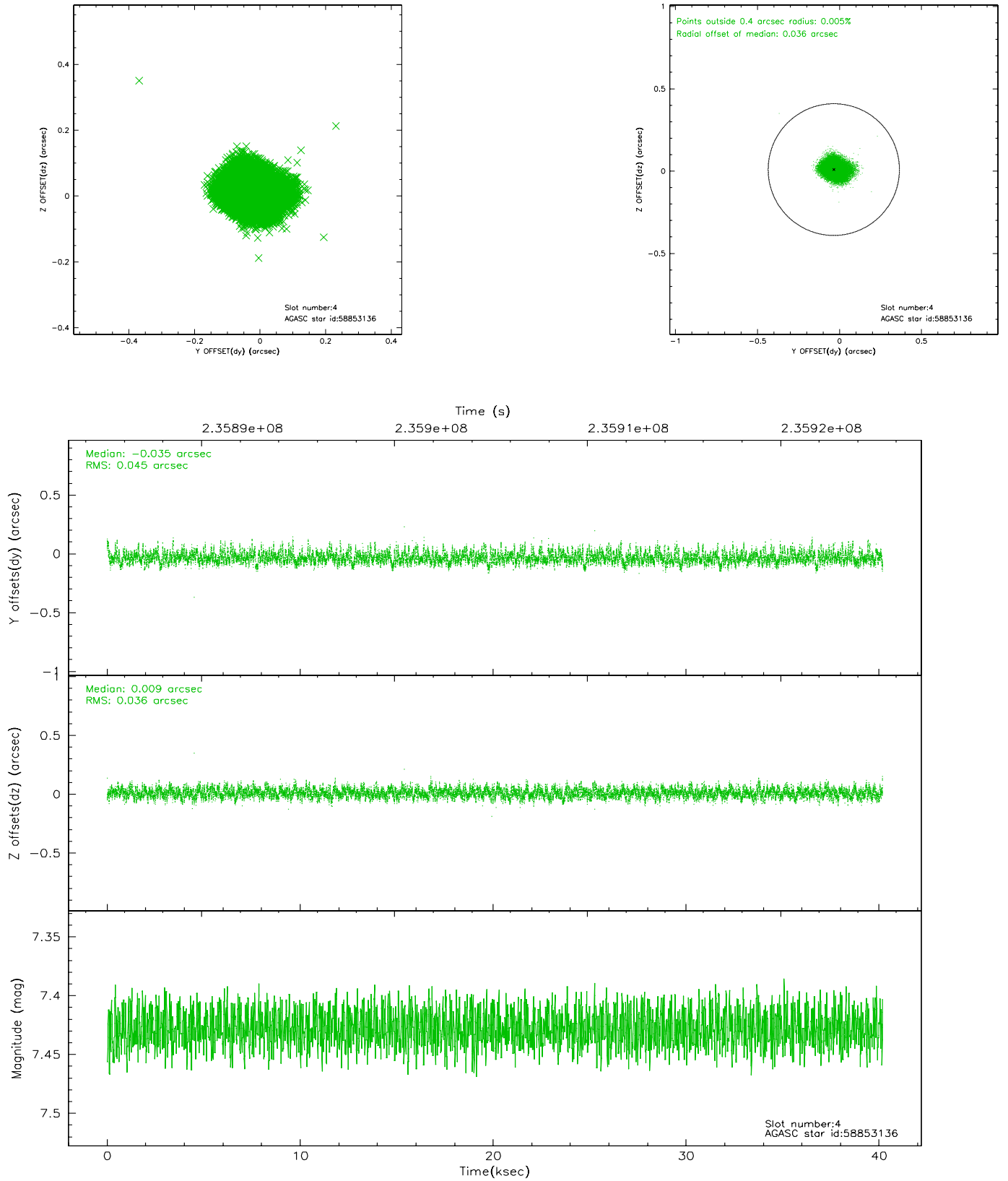


## 2.4 Star Slots

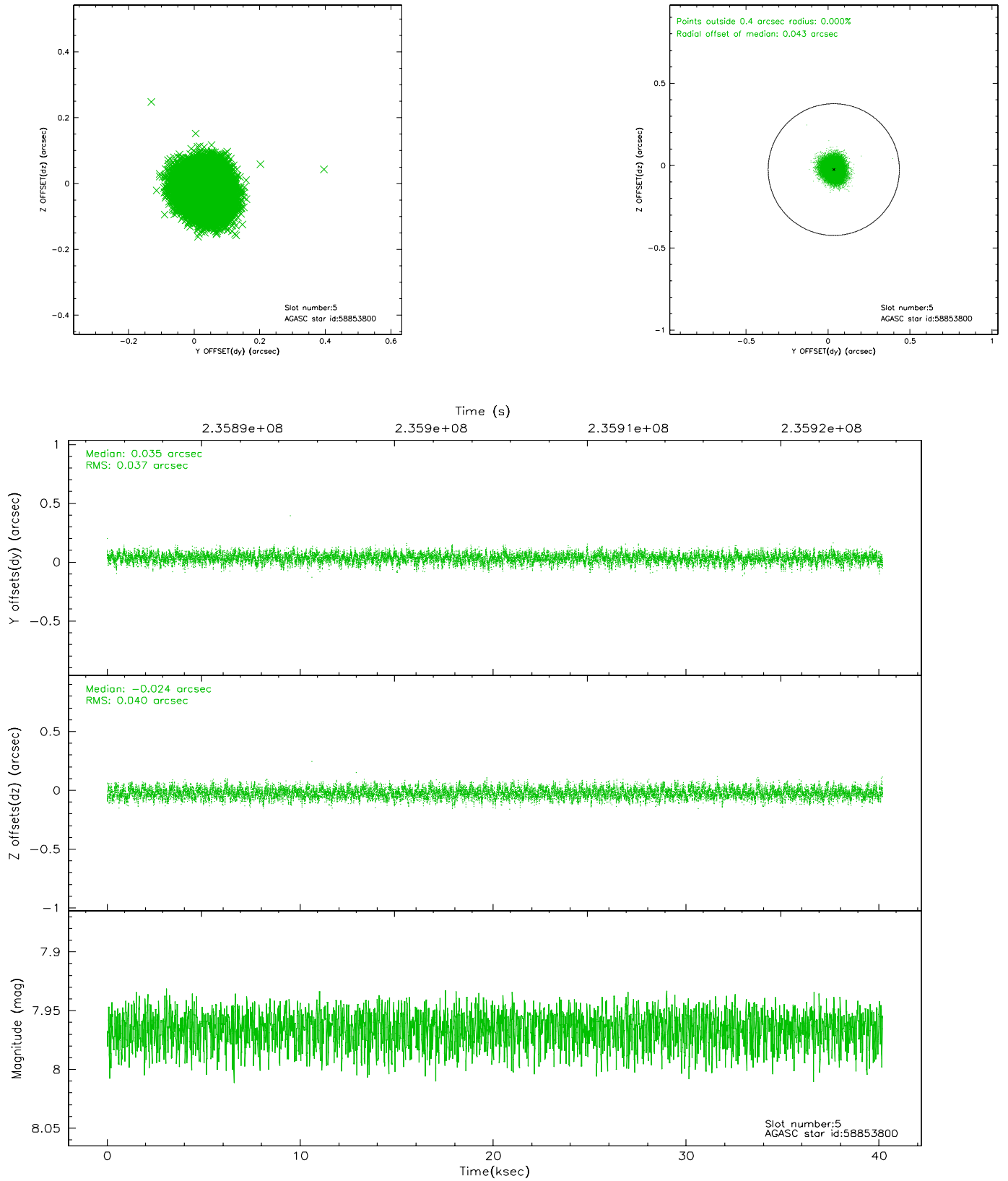
### 2.4.1 Slot 3



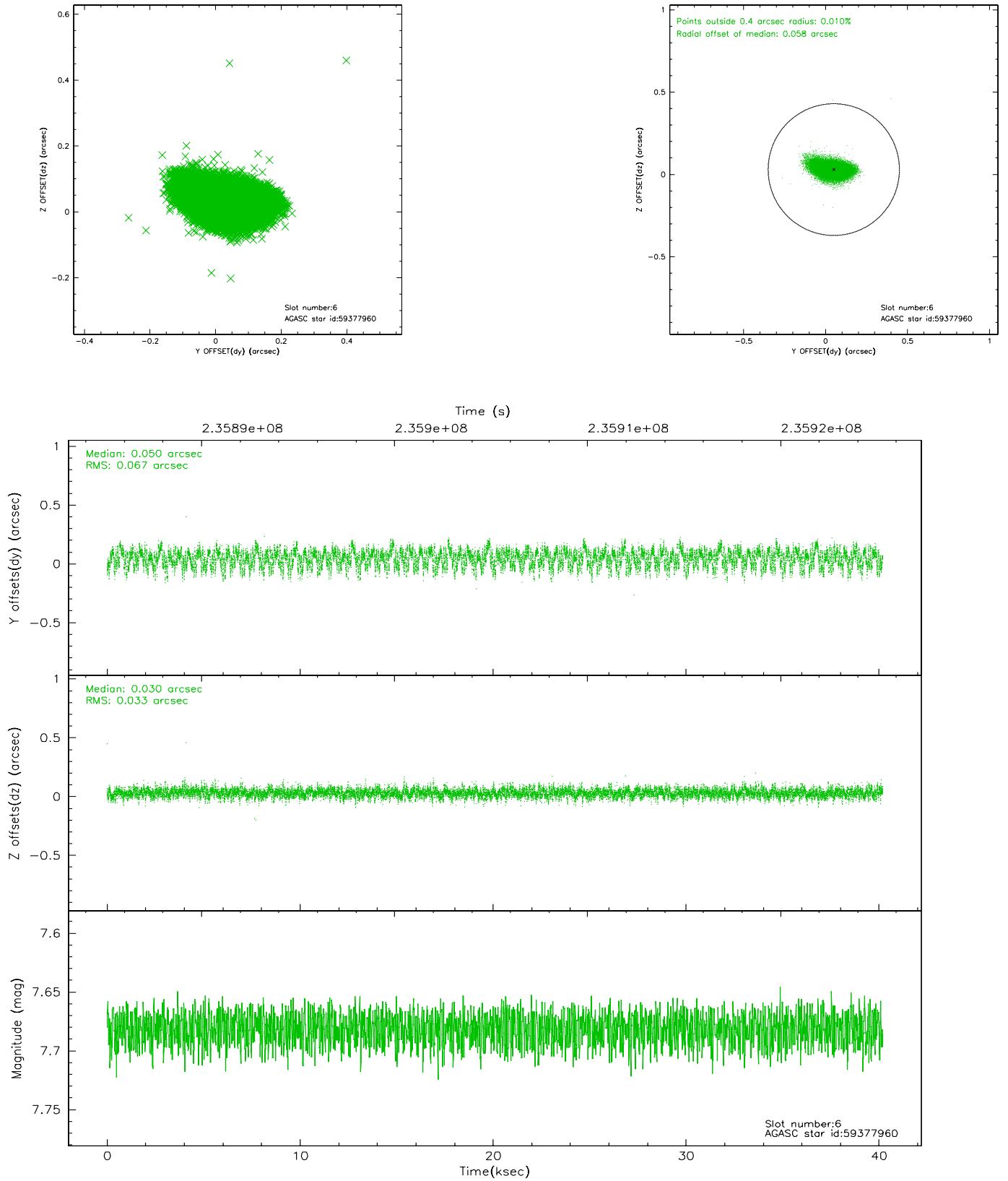
## 2.4.2 Slot 4



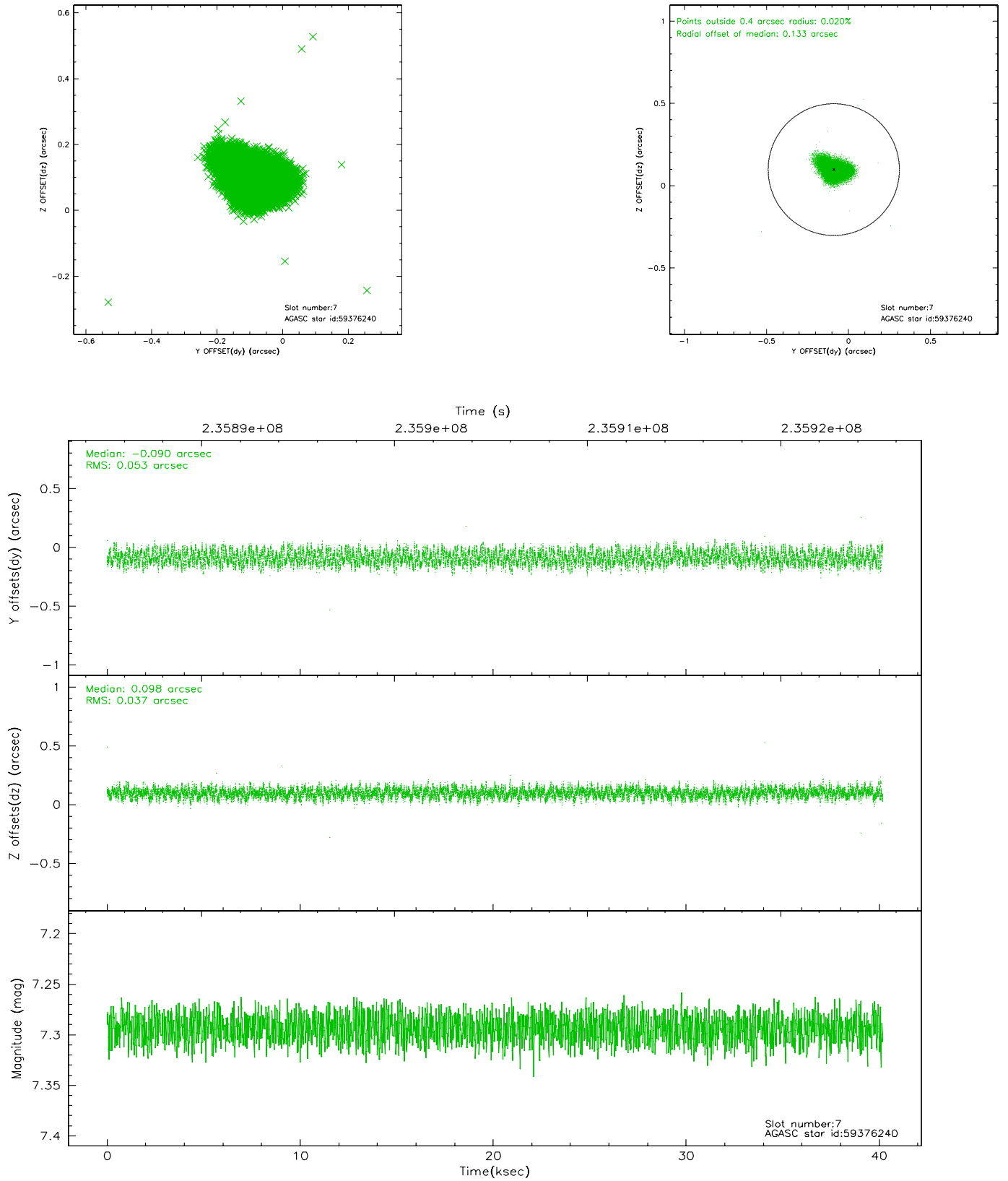
### 2.4.3 Slot 5



## 2.4.4 Slot 6

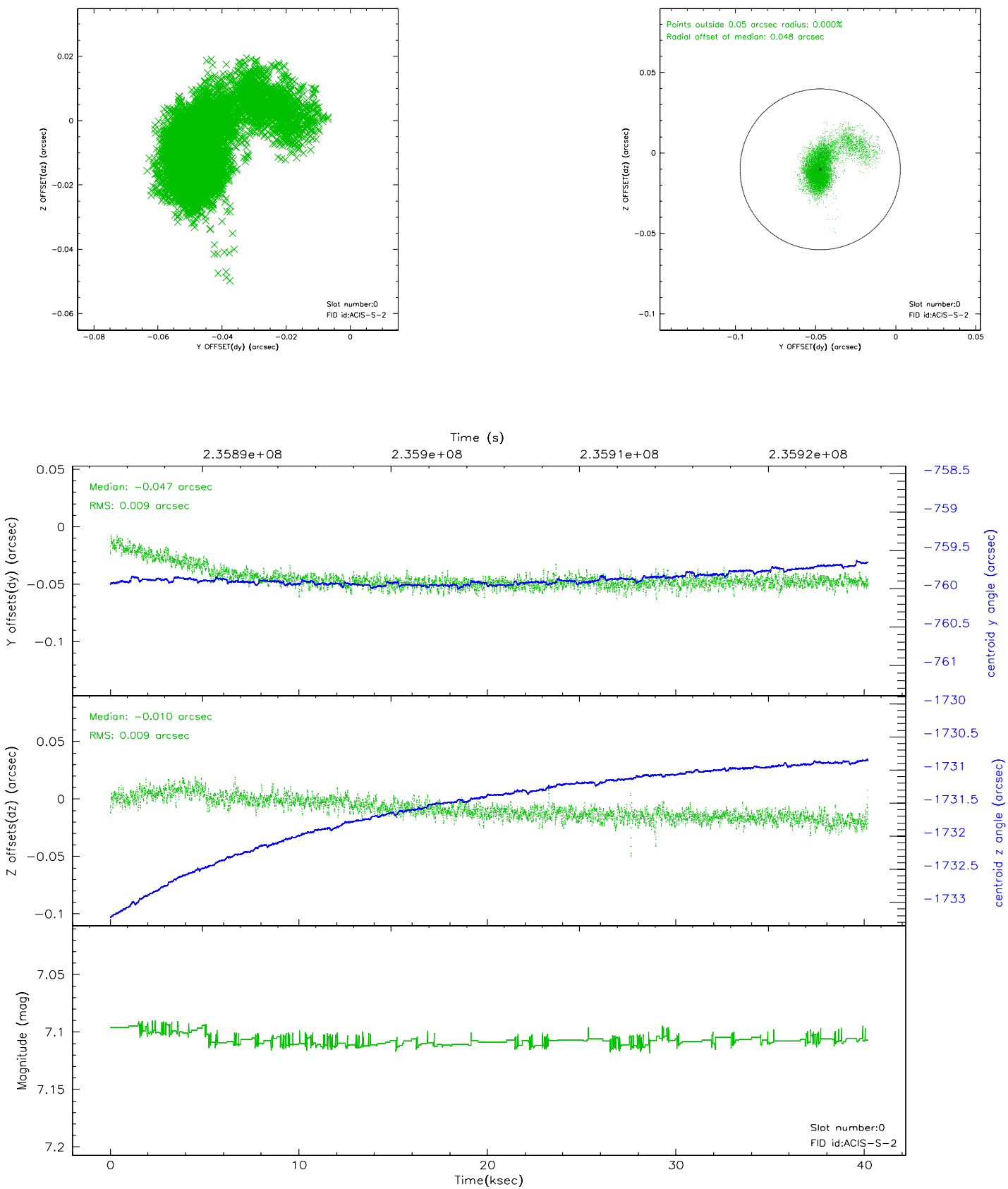


## 2.4.5 Slot 7

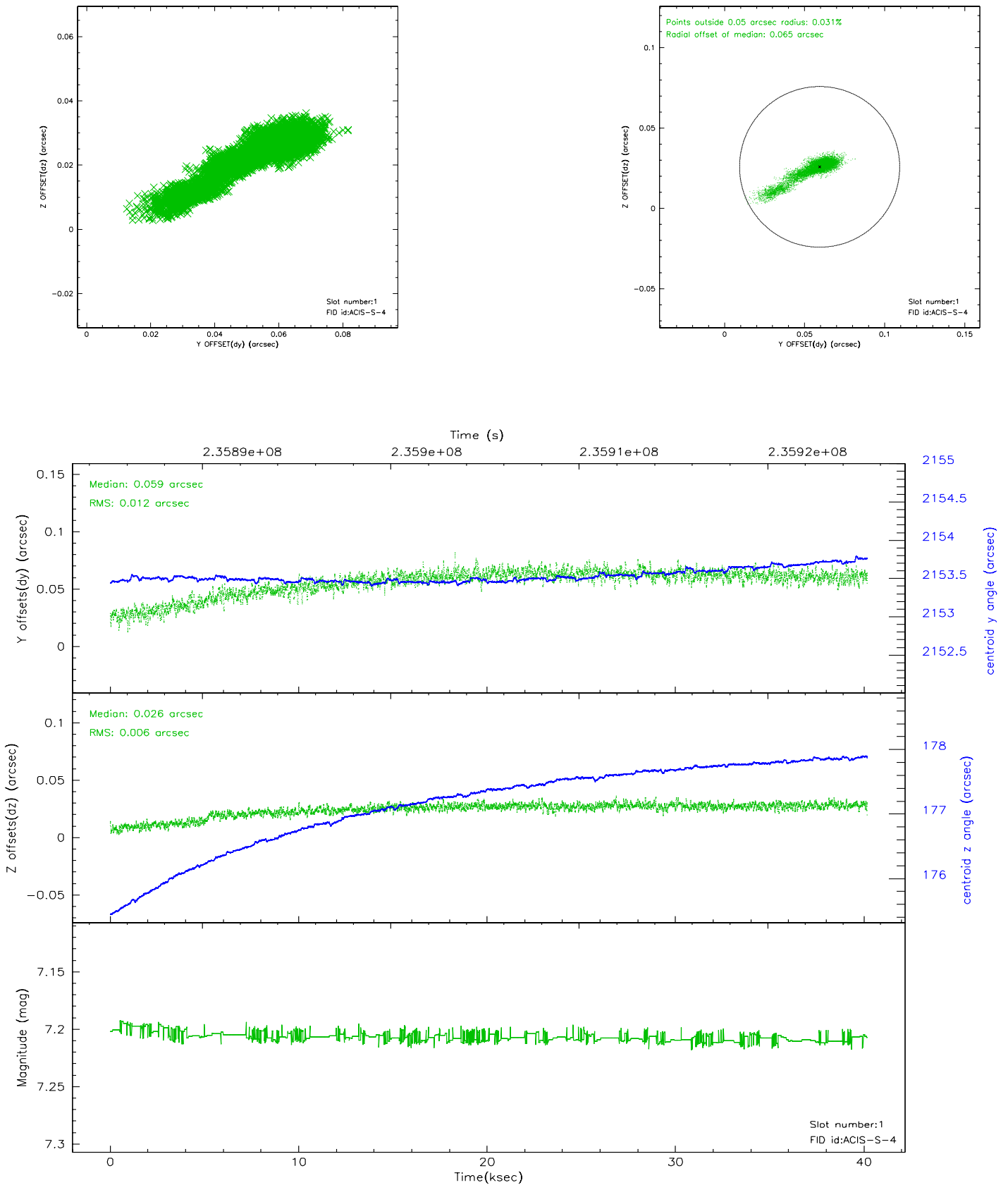


## 2.5 FID Slots

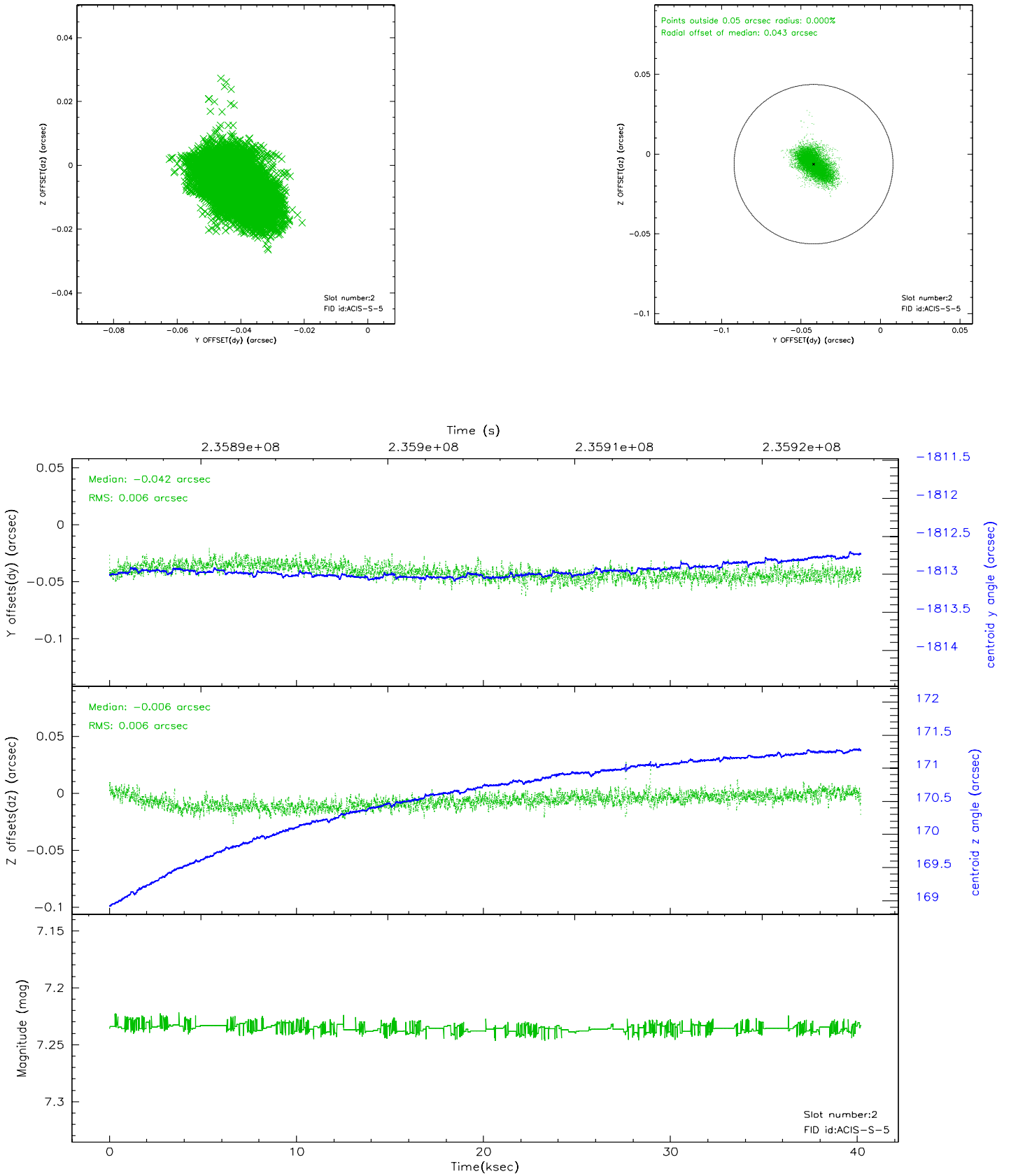
### 2.5.1 Slot 0



## 2.5.2 Slot 1

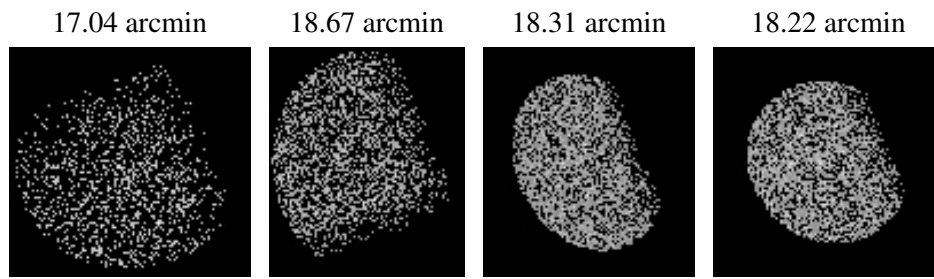


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.08959

### A.2 Comments

Preferred roll met.