

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3865 - L2 Version 001  
Chandra X-Ray Center

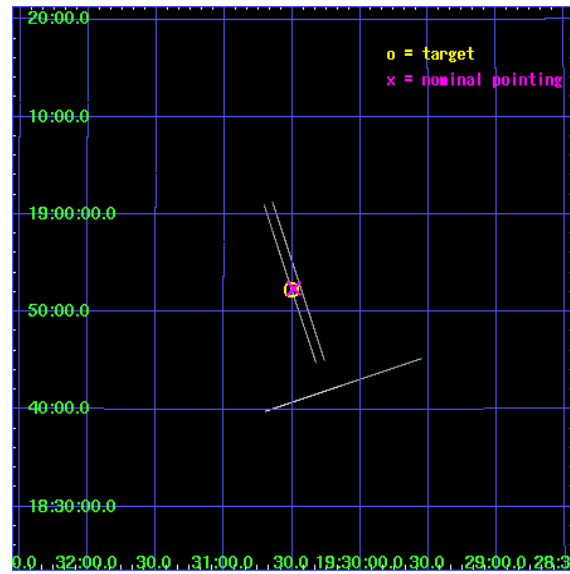
L2 Processing Date : Aug 10 2006

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# 1 Front

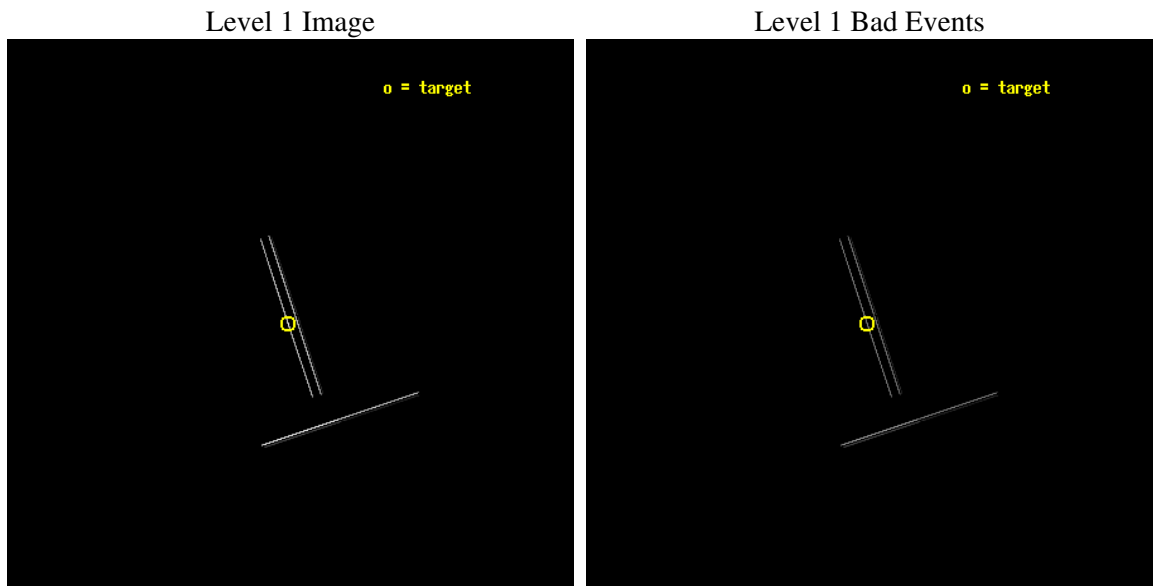
seq_num	500344
obs_id	3865
title	REVEALING THE PULSAR IN SUPERNOVA REMNANT G54.1+0.3
observer	Dr. Fangjun Lu
object	SNR G54.1+0.3
ra_targ	292.625417
dec_targ	18.870583
ra_nom	292.62175565338
dec_nom	18.873649714504
roll_nom	161.54974496907
revision	2
ontime	57176.5
livetime	56953.154296875
ontime0	57176.5
ontime1	57175.041343838
ontime2	57176.5
ontime3	57176.5
ontime6	57176.5
ontime7	57175.040261894
l2events	566768



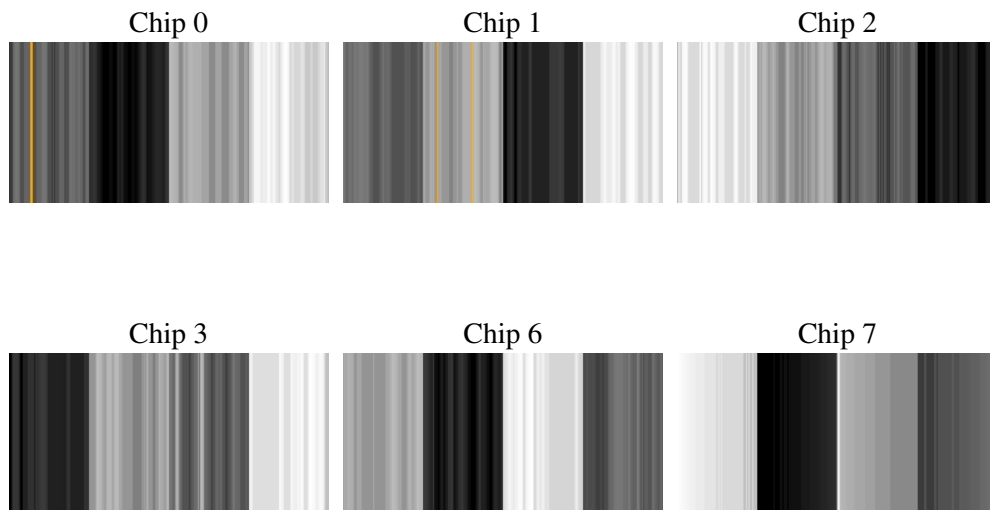
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.2
date	2006-08-10T06:09:51
revision	2

sched_exp_time	56996.864000
ontime	58084.36255911
ontime0	58084.303771883
ontime1	58082.903870791
ontime2	58084.303320557
ontime3	58084.36255911
ontime6	58084.290874004
ontime7	58082.830885261
l1events	721291

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	88219	88460	82164	106086	90818	265544
rejected events	14775	14730	13382	14947	16159	34984
rejected %	16%	16%	16%	14%	17%	13%

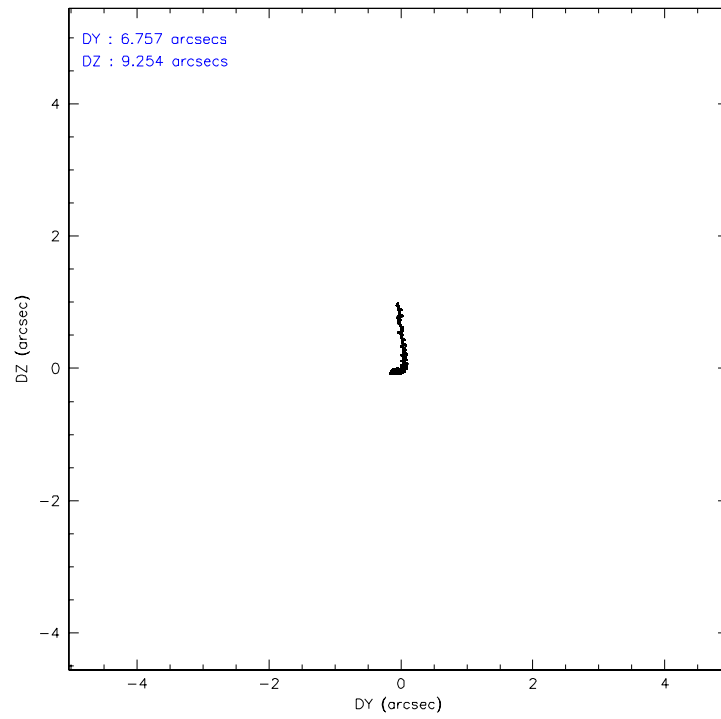
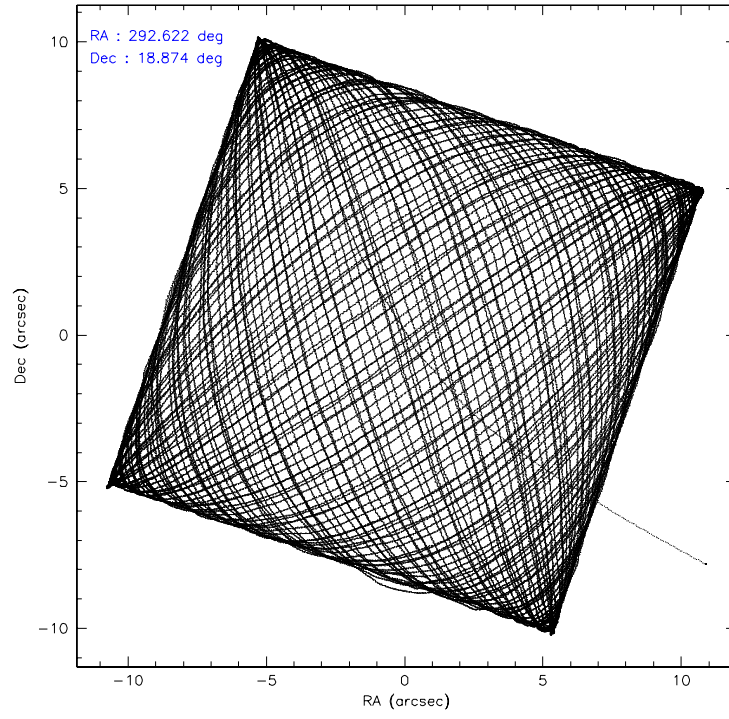
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12070	9593	11278	11352	10143	14586
	13%	10%	13%	10%	11%	5%
grade 1 events	342	297	304	324	284	395
	0%	0%	0%	0%	0%	0%
grade 2 events	32569	36160	31042	48875	34638	58106
	36%	40%	37%	46%	38%	21%
grade 3 events	8576	6878	7678	9143	7994	9406
	9%	7%	9%	8%	8%	3%
grade 4 events	8073	6948	7440	7728	7819	9342
	9%	7%	9%	7%	8%	3%
grade 5 events	13507	13474	12282	13650	14941	31710
	15%	15%	14%	12%	16%	11%
grade 6 events	13064	15061	12140	15014	14999	141999
	14%	17%	14%	14%	16%	53%
grade 7 events	18	49	0	0	0	0
	0%	0%	0%	0%	0%	0%

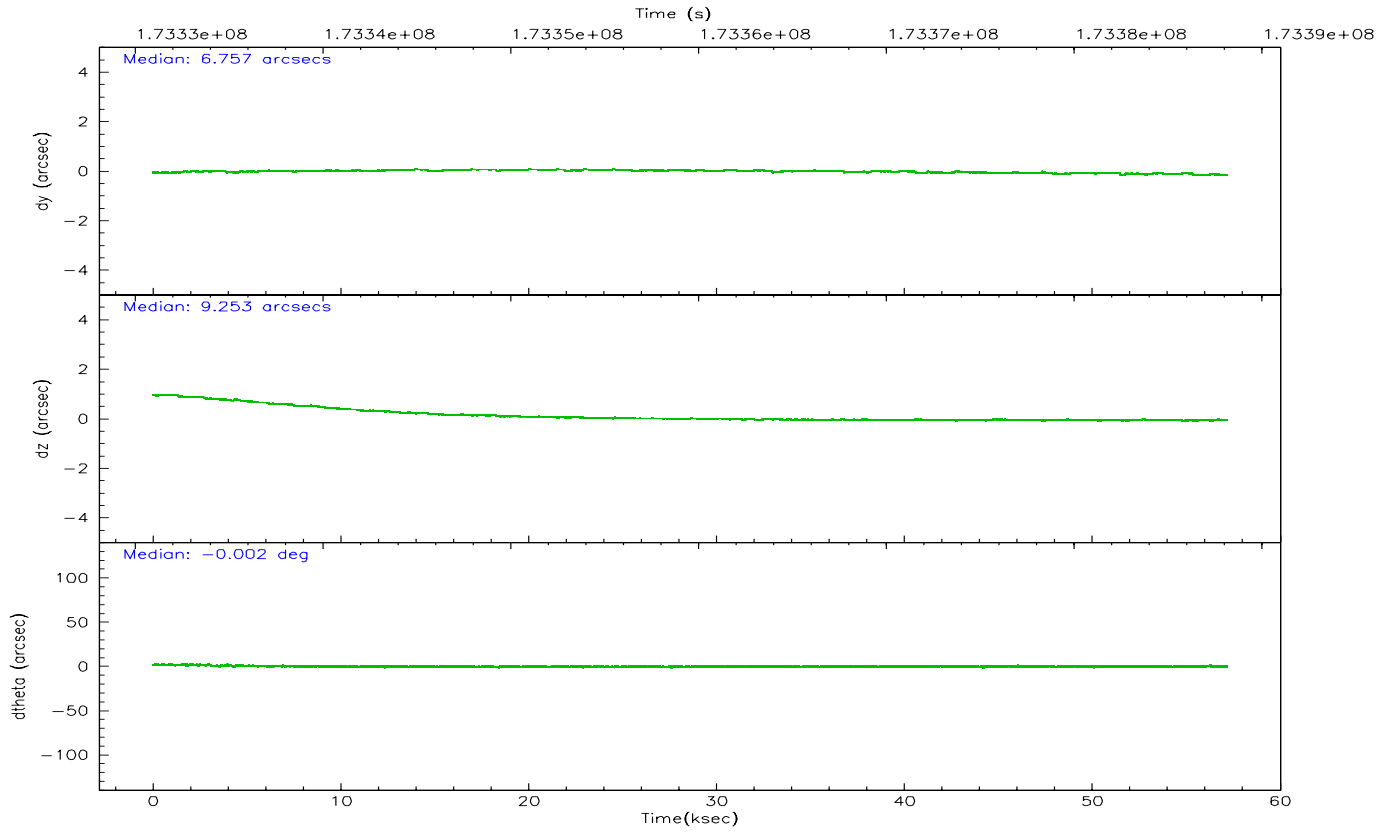
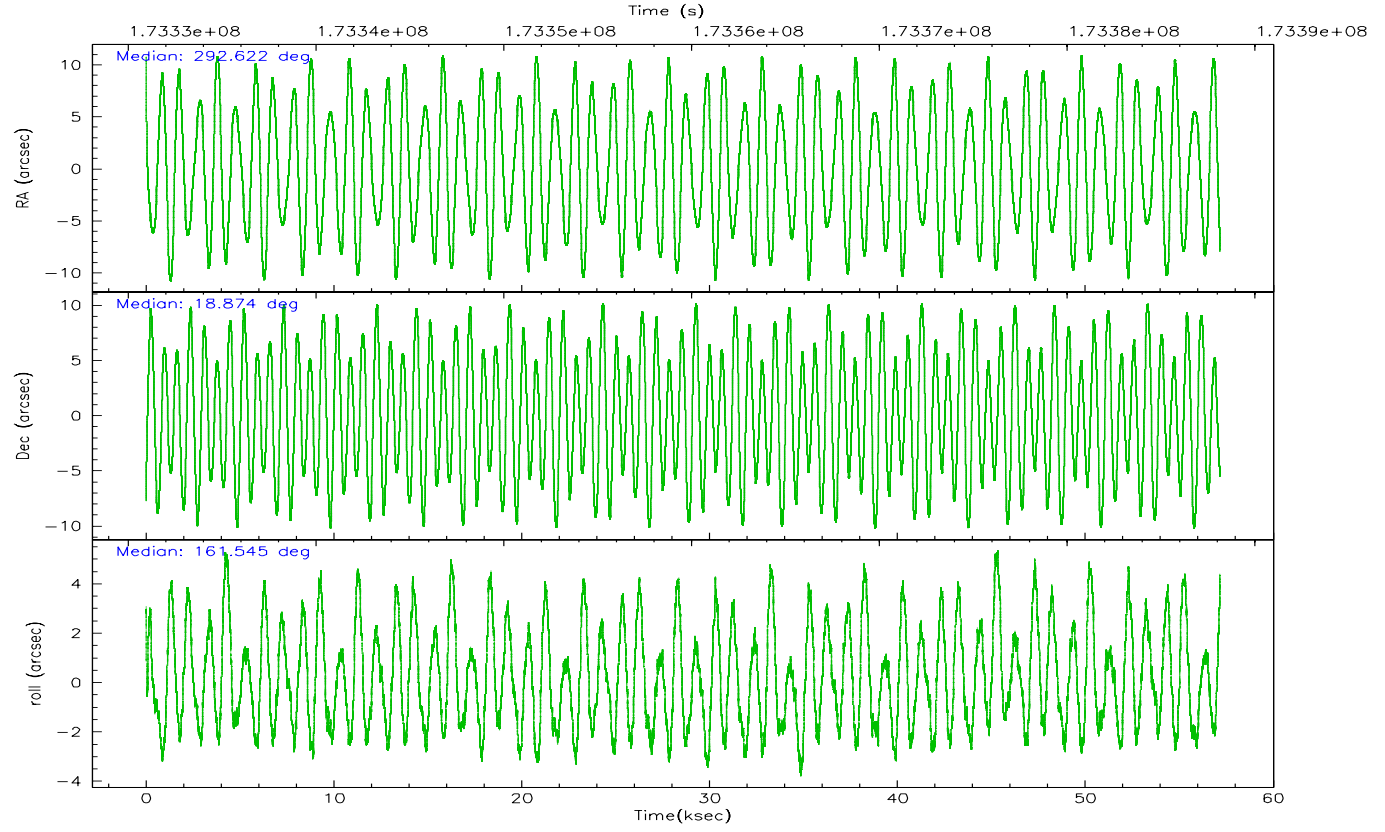


## 2.2 Compared Parameters

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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	292.650069	292.6217556533816	Alternating exposures requested	N	N
Pointing Dec	18.879242	18.87364971450419	Primary exposure time	0.000000	0
Pointing Roll	161.331897	161.5497449690671			
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	173331141.184000	173330056.14869			
Observation start date	2003-06-30T03:31:17	2003-06-30T03:14:16			
Observation end time	173388138.184000	173388452.96368			
Observation end date	2003-06-30T19:21:14	2003-06-30T19:27:32			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect



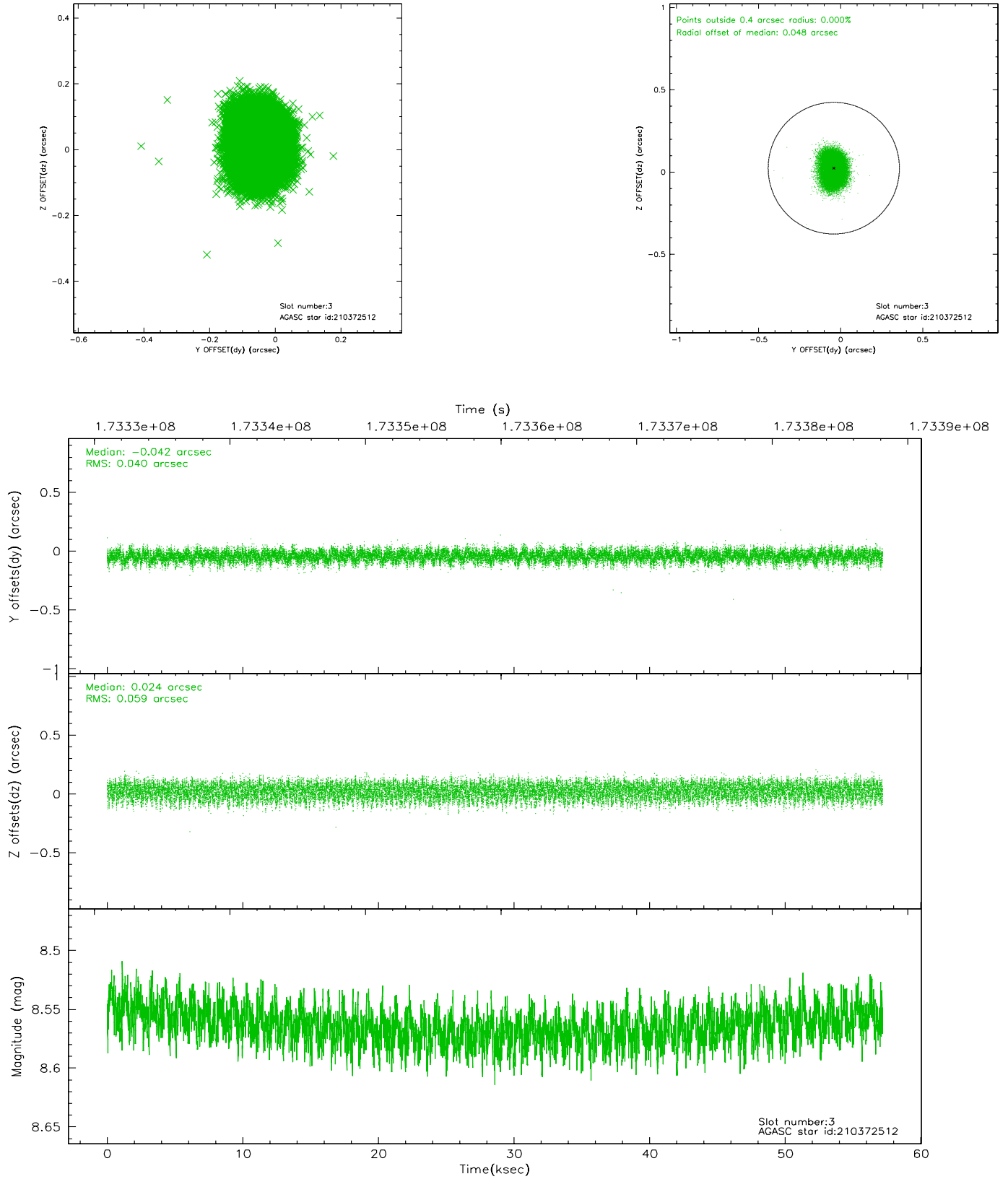


### Slot Statistics

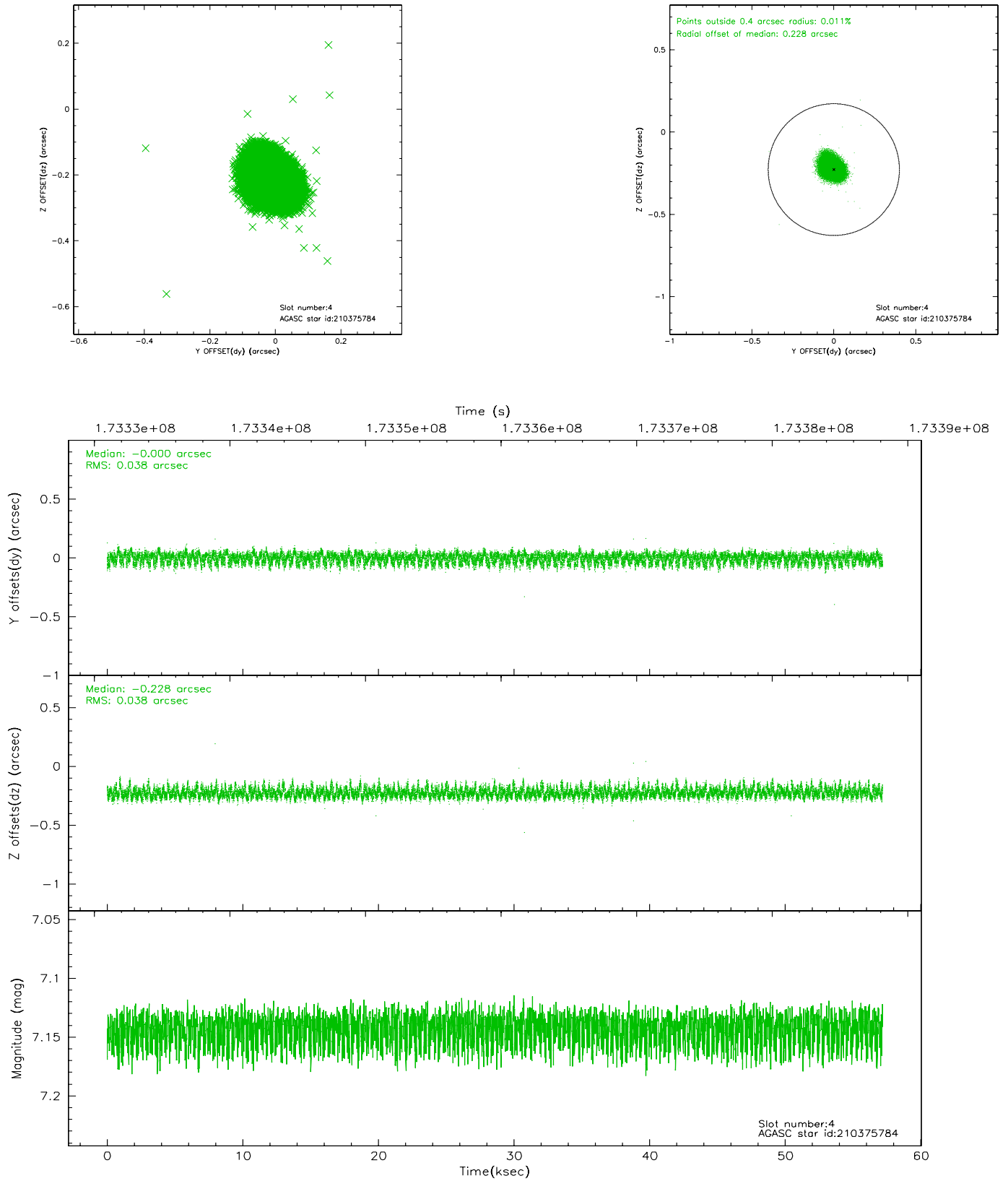
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	13944	-0.030	0.075	0.008	0.024	0.000000	0.000000	932.92	-832.78
1	FID	ACIS-I-5	7.23	13944	-0.092	0.019	0.006	0.010	0.000000	0.000000	-1815.28	1064.66
2	FID	ACIS-I-6	7.26	13945	0.031	-0.023	0.009	0.022	0.000000	0.000000	398.55	1709.10
3	GUIDE	210372512	8.56	27884	-0.042	0.024	0.076	0.121	292.201979	18.486300	997.24	1828.31
4	GUIDE	210375784	7.14	27893	-0.000	-0.228	0.056	0.094	292.707024	18.250669	-908.78	2081.37
5	GUIDE	210899440	9.52	27878	0.076	0.071	0.128	0.198	292.929855	19.293772	-422.38	-1718.55
6	GUIDE	210900512	7.82	27891	-0.091	-0.061	0.058	0.093	292.050352	18.917419	1980.06	520.56
7	GUIDE	210910720	8.96	27885	0.068	0.190	0.065	0.105	293.320637	18.950574	-2079.10	-978.07

## 2.4 Star Slots

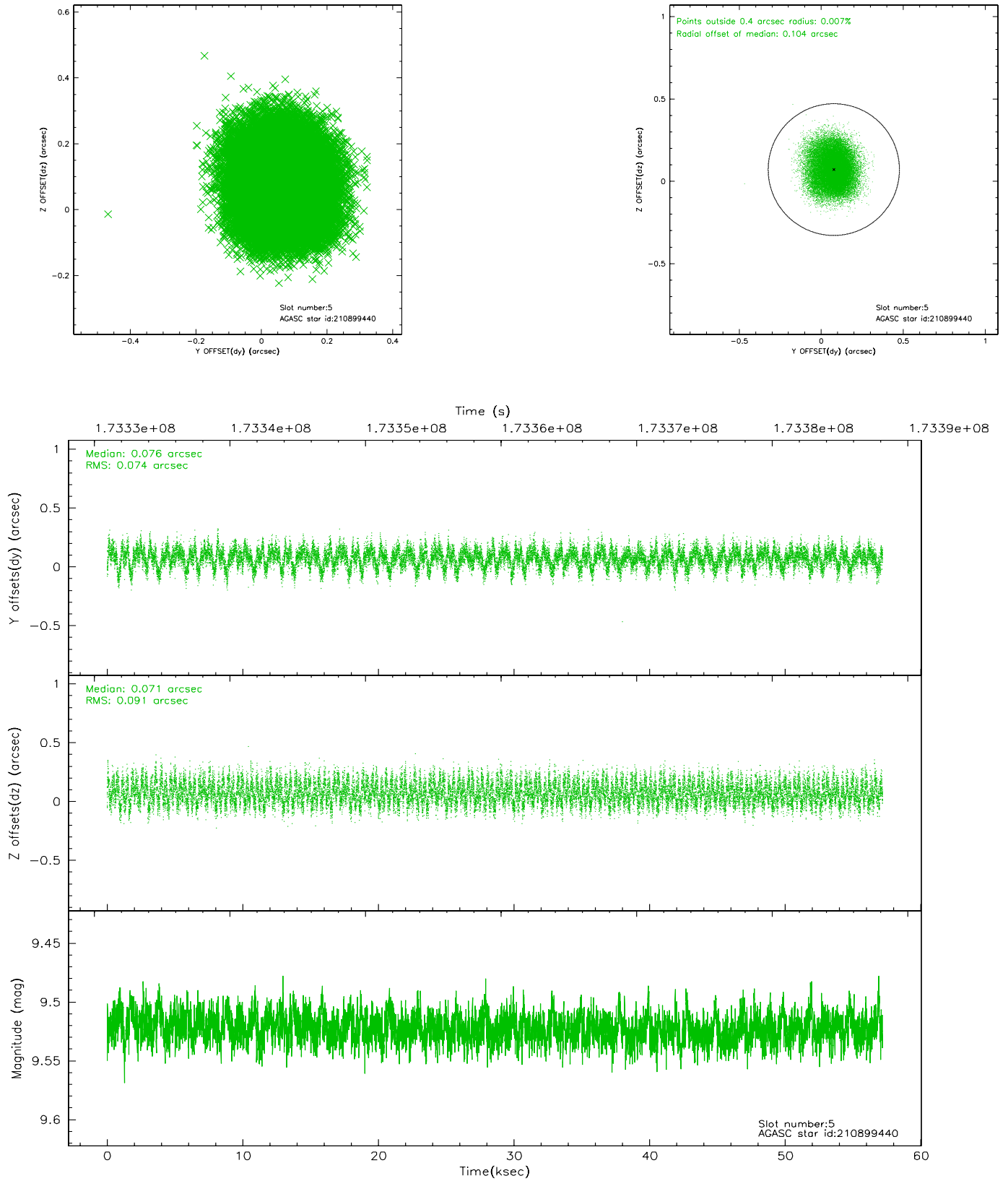
### 2.4.1 Slot 3



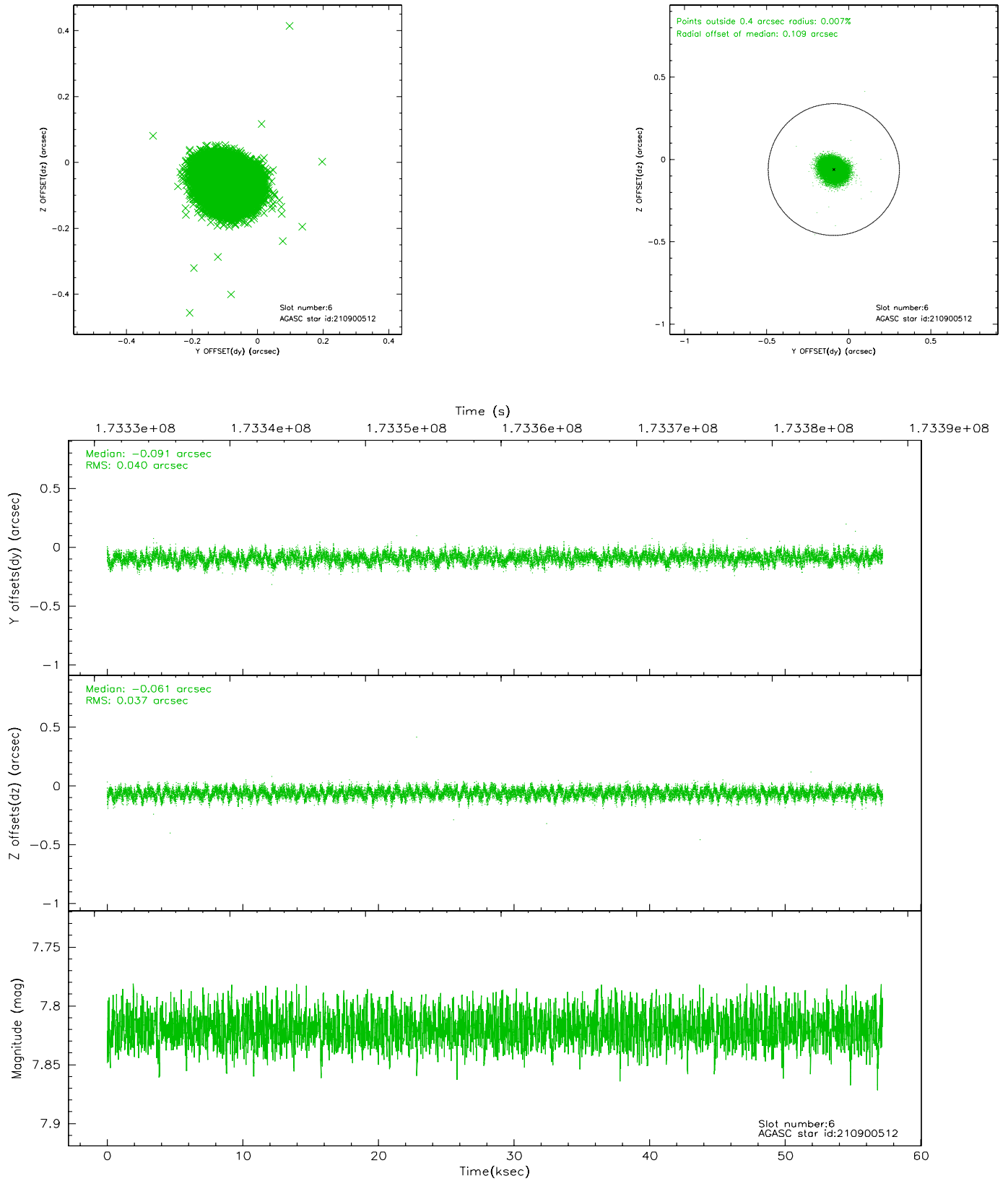
## 2.4.2 Slot 4



### 2.4.3 Slot 5

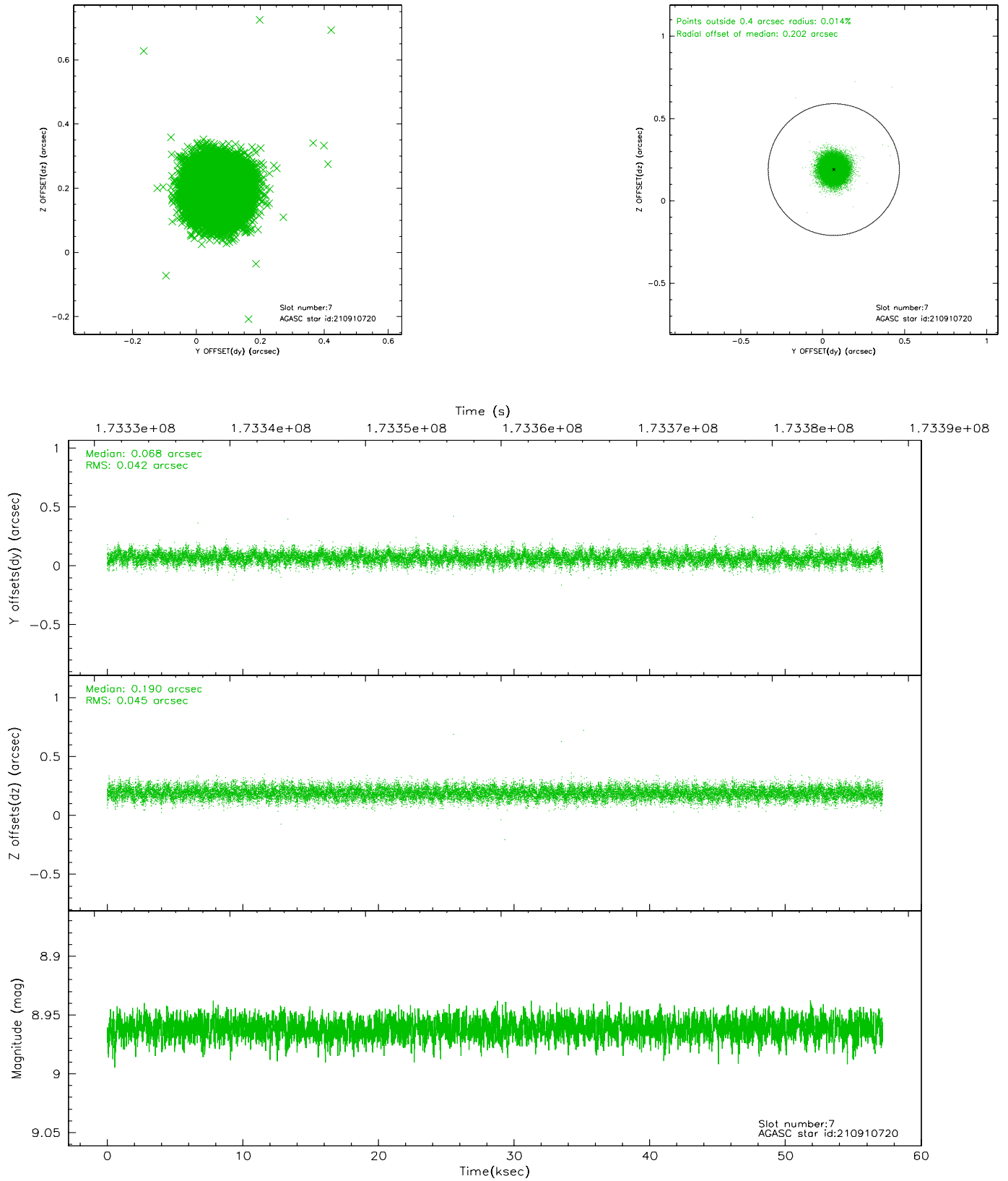


## 2.4.4 Slot 6



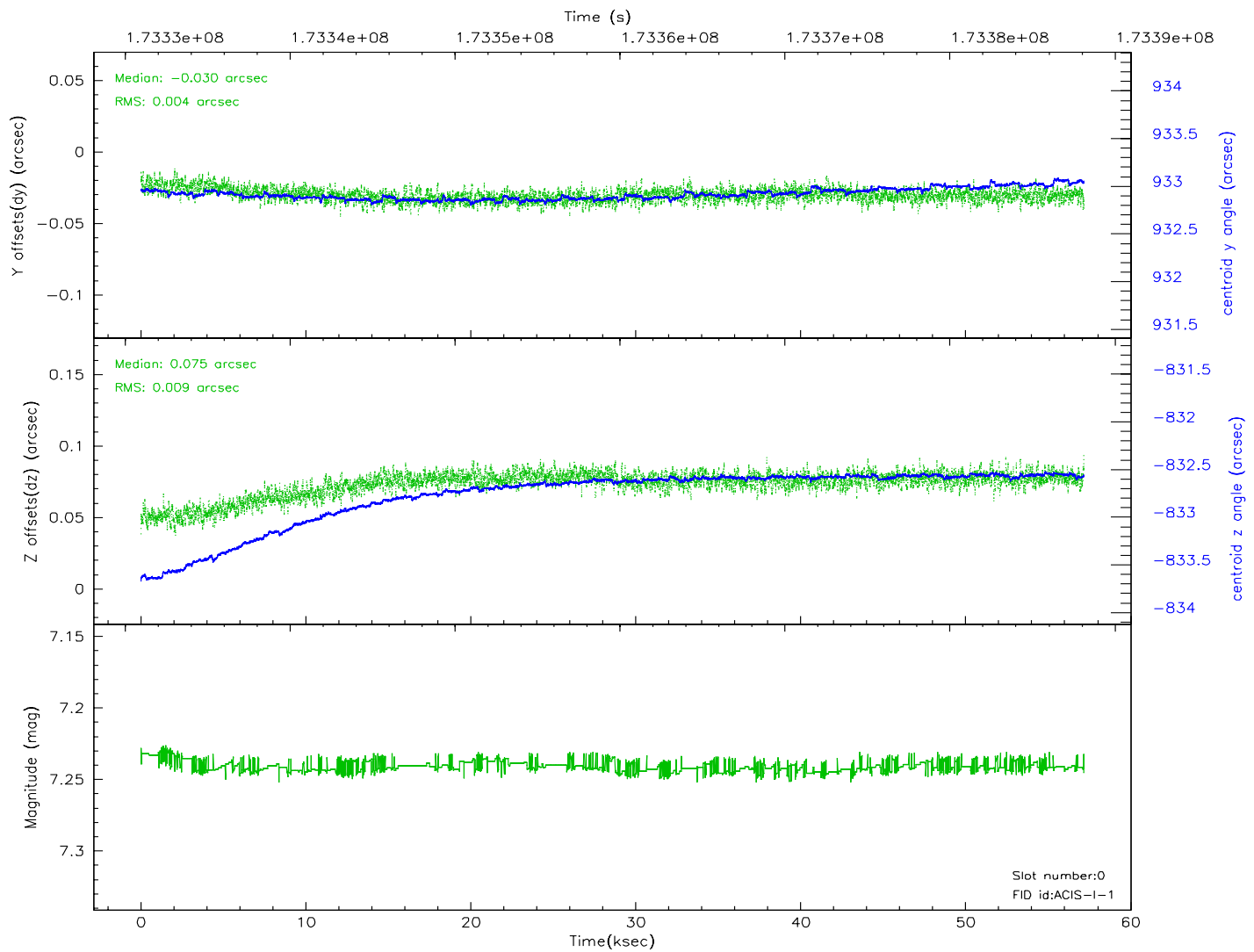
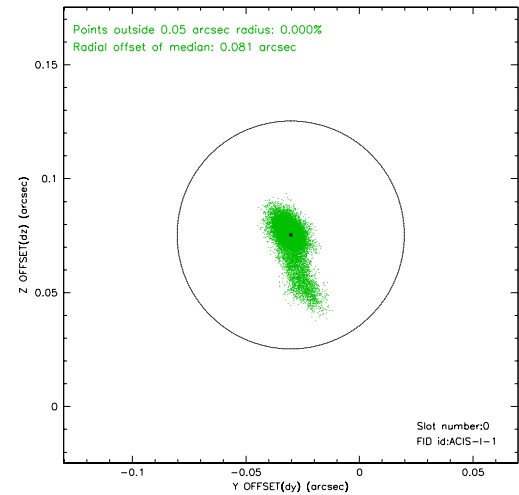
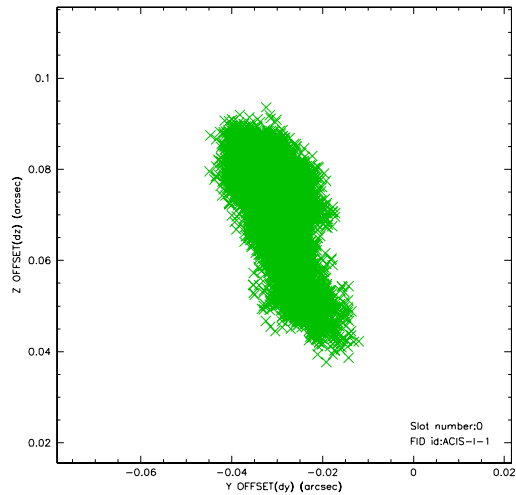


## 2.4.5 Slot 7

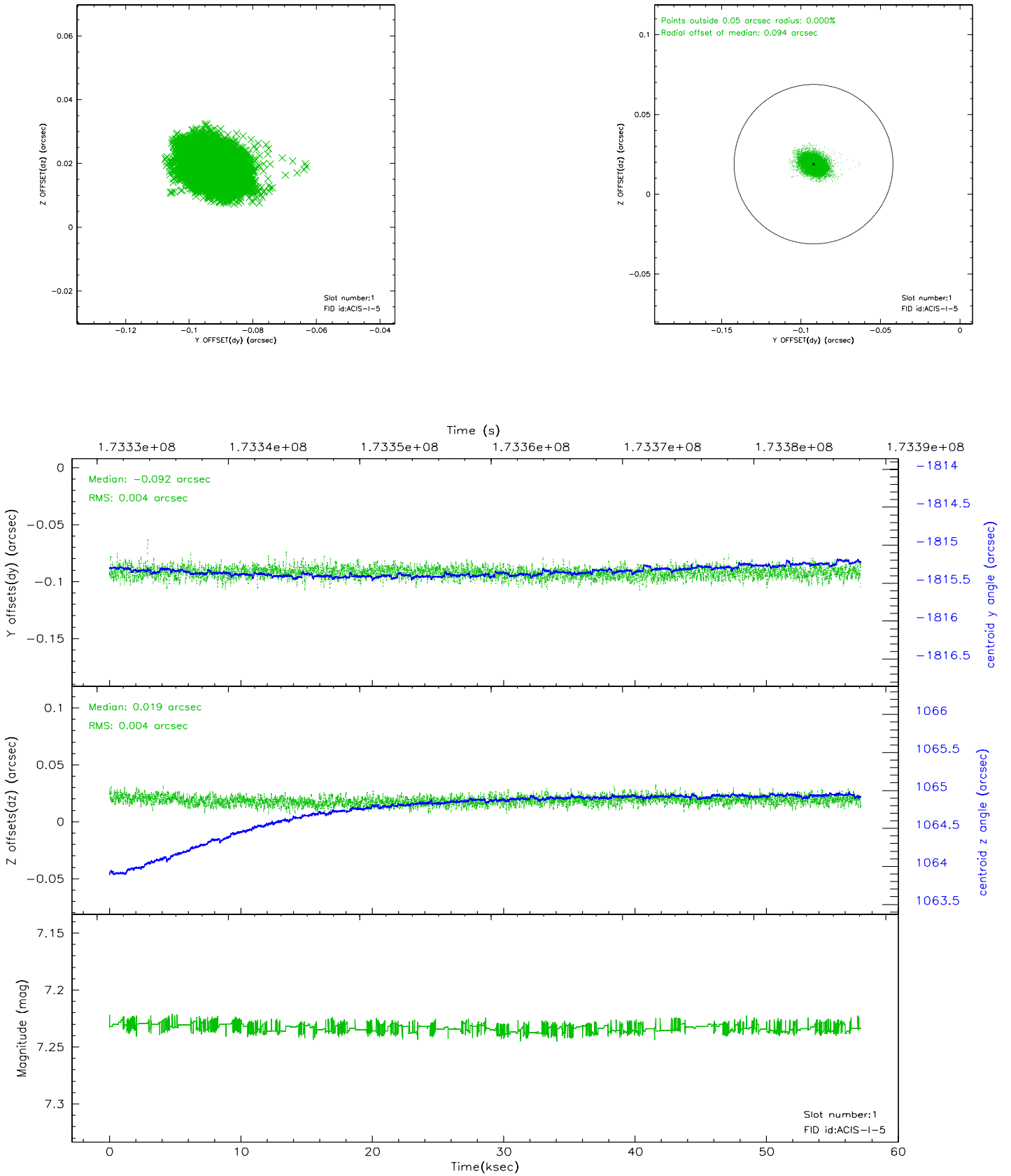


## 2.5 FID Slots

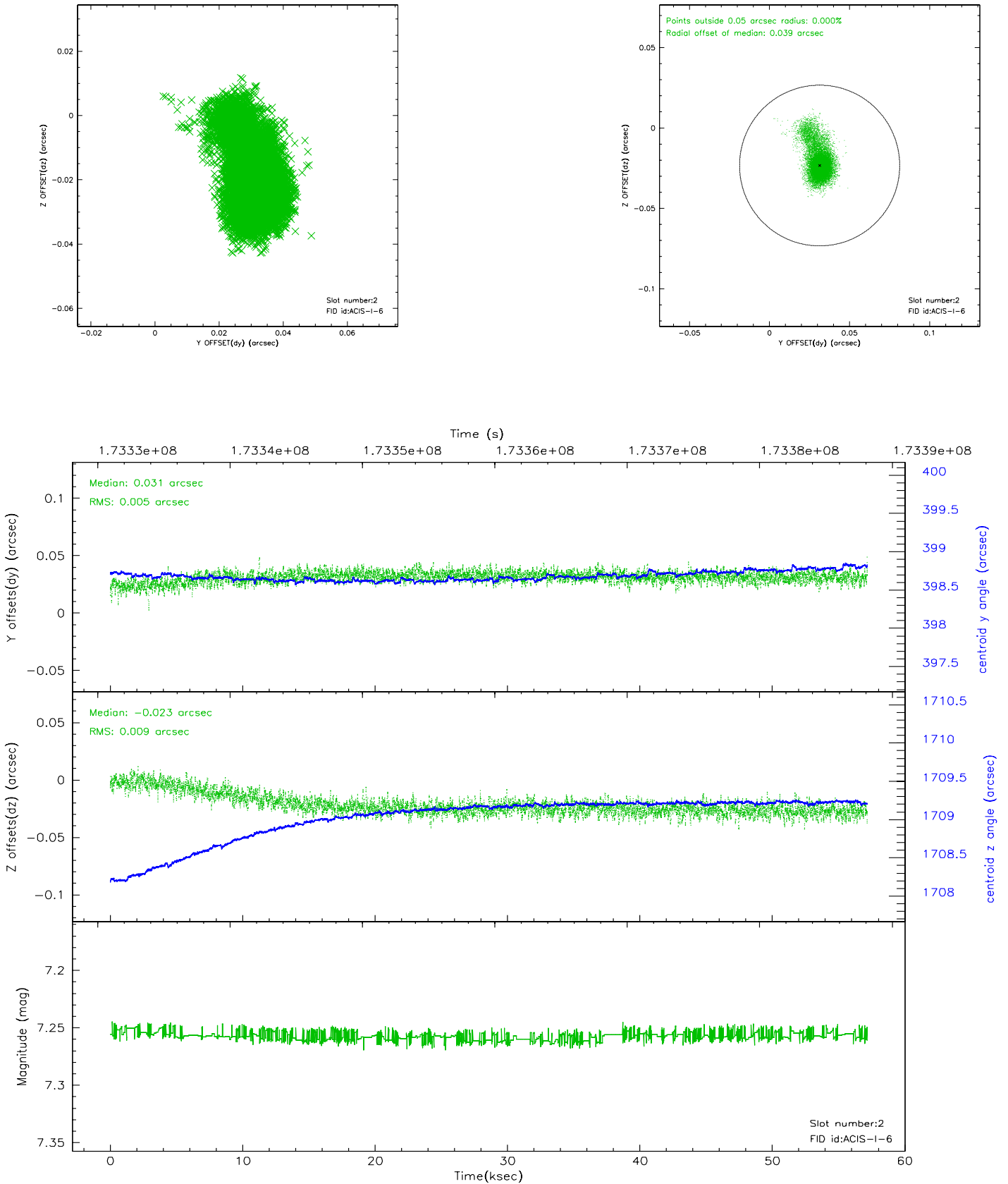
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	57.181

### A.2 Comments