

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2196 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Dec 19 2006

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# 1 Front

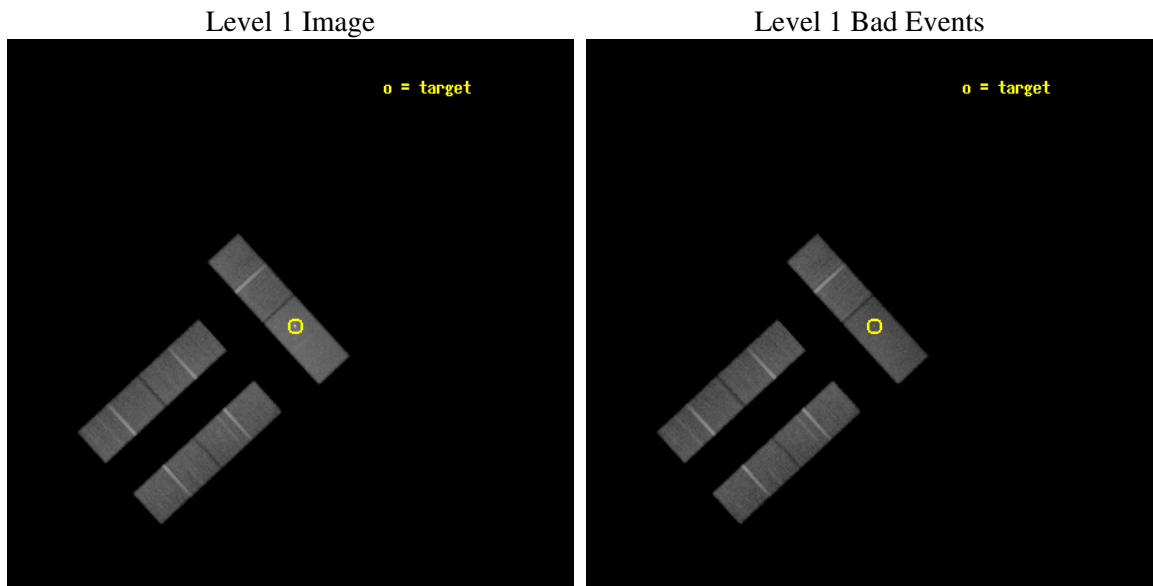
seq_num	700386
obs_id	2196
title	LOW-LUMINOSITY RADIO LOUD AGN IN NEARBY ELLIPTICALS WITH DYNAMICAL NUCLEAR MBHS
observer	Dr Giuseppina Fabbiano
object	IC 1459
dtcycle	0
cycle	P
ra_targ	344.294167
dec_targ	-36.462222
ra_nom	344.30382780104
dec_nom	-36.45634403338
roll_nom	47.339118279792
revision	3
ontime	60166.799900383
livetime	58825.576750472
ontime0	60166.799900383
ontime1	60166.799900383
ontime2	60164.958910212
ontime3	60166.799900383
ontime6	60166.799900383
ontime7	60166.799900383
l2events	252326



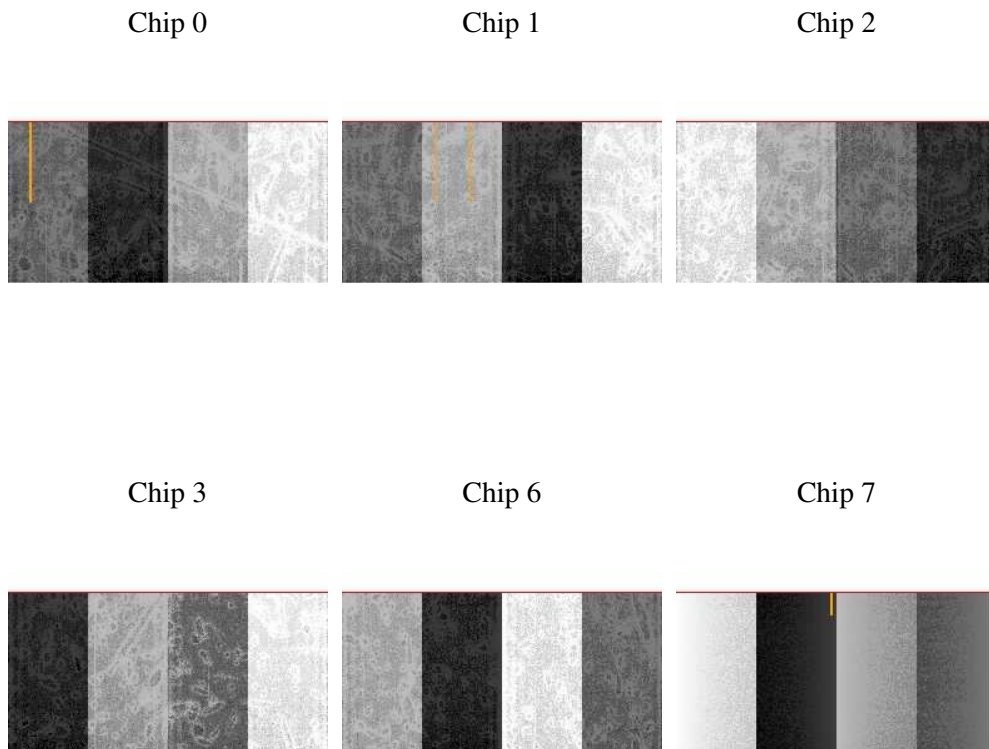
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-19T15:01:07
revision	3

sched_exp_time	60000.000000
ontime	60729.720272362
ontime0	60619.257872343
ontime1	60635.830481932
ontime2	60619.261171758
ontime3	60626.62528193
ontime6	60613.738001928
ontime7	60729.720272362
l1events	1413032

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	219471	211745	226084	226081	234426	295225
rejected events	190192	181614	199271	197698	204028	162759
rejected %	86%	85%	88%	87%	87%	55%

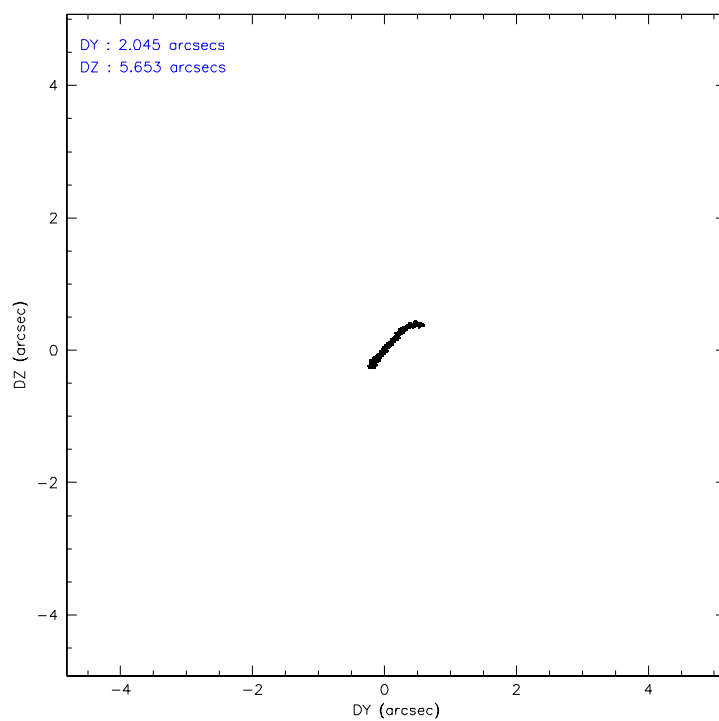
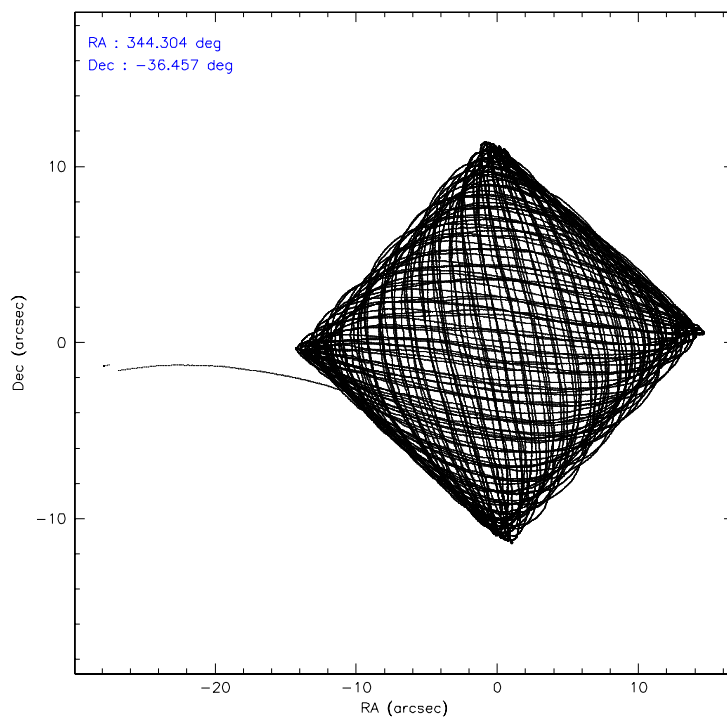
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	13787	14250	12571	13589	13943	14761
	6%	6%	5%	6%	5%	4%
grade 1 events	105	67	69	90	83	197
	0%	0%	0%	0%	0%	0%
grade 2 events	7198	7179	6415	6730	7087	33222
	3%	3%	2%	2%	3%	11%
grade 3 events	3213	3326	3025	2996	3154	9808
	1%	1%	1%	1%	1%	3%
grade 4 events	2974	3152	2926	2943	3131	9388
	1%	1%	1%	1%	1%	3%
grade 5 events	7625	7666	6721	7799	8694	19230
	3%	3%	2%	3%	3%	6%
grade 6 events	5557	5606	4993	5206	5660	68685
	2%	2%	2%	2%	2%	23%
grade 7 events	179012	170499	189364	186728	192674	139934
	81%	80%	83%	82%	82%	47%

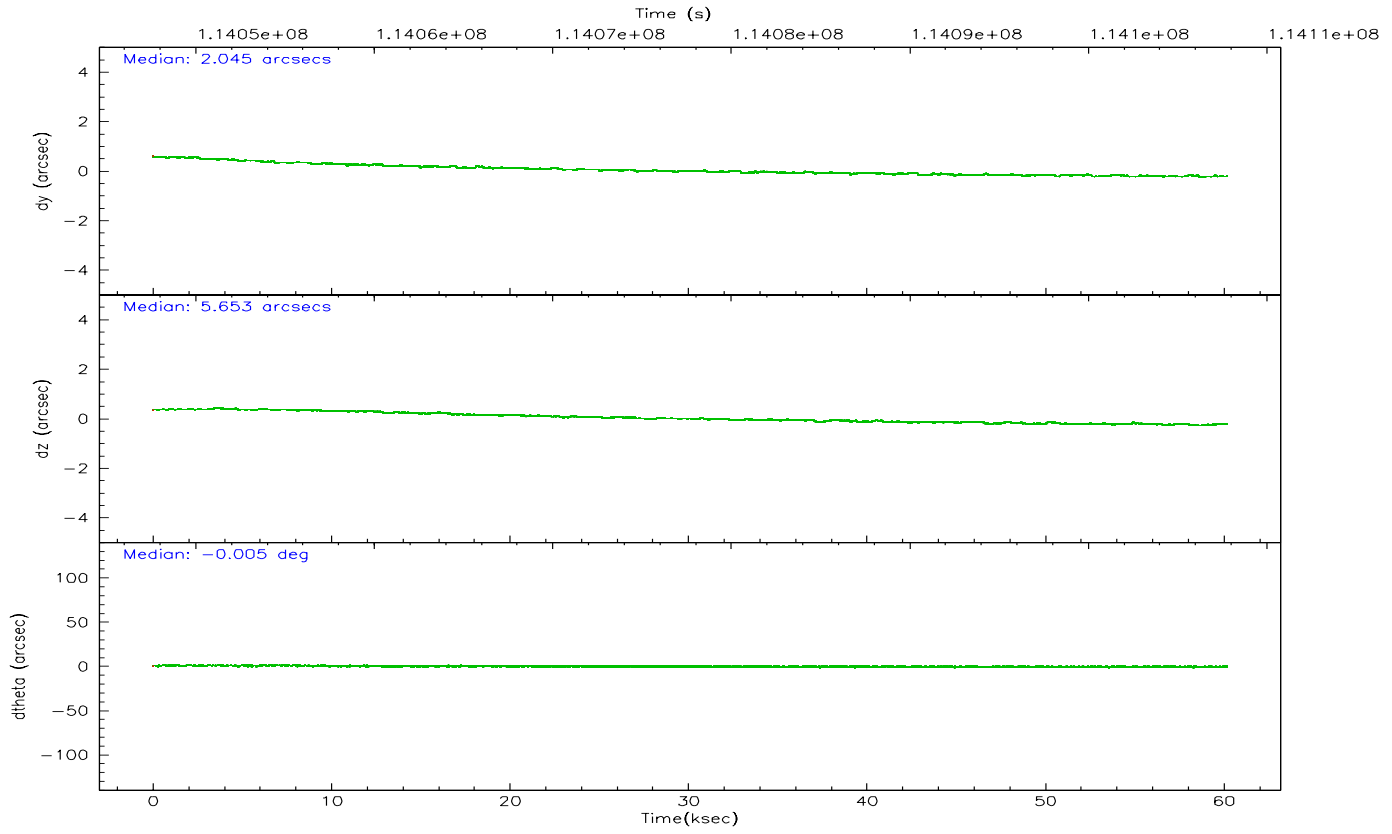
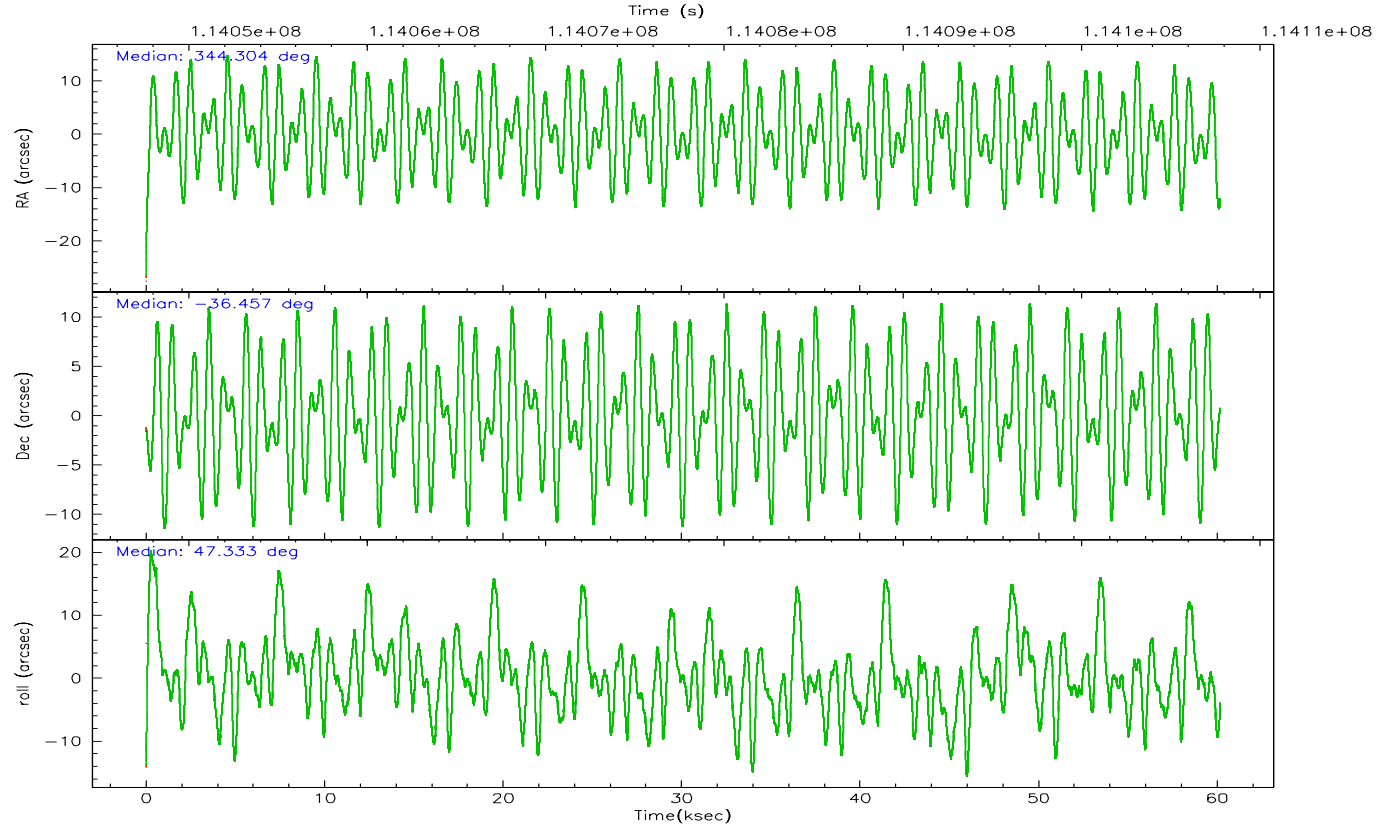


## 2.2 Compared Parameters

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	344.296767	344.3038278010395	Subarray requested	1/2	1/2
Pointing Dec	-36.483011	-36.45634403337966	Subarray start row	0	257
Pointing Roll	47.178300	47.33911827979215	Subarray row count	1024	512
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.8
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	114047768.184000	114046640.30233			
Observation start date	2001-08-12T23:55:04	2001-08-12T23:37:20			
Observation end time	114107768.184000	114108080.85475			
Observation end date	2001-08-13T16:35:04	2001-08-13T16:41:20			
Read mode	TIMED	TIMED			

## 2.3 Aspect



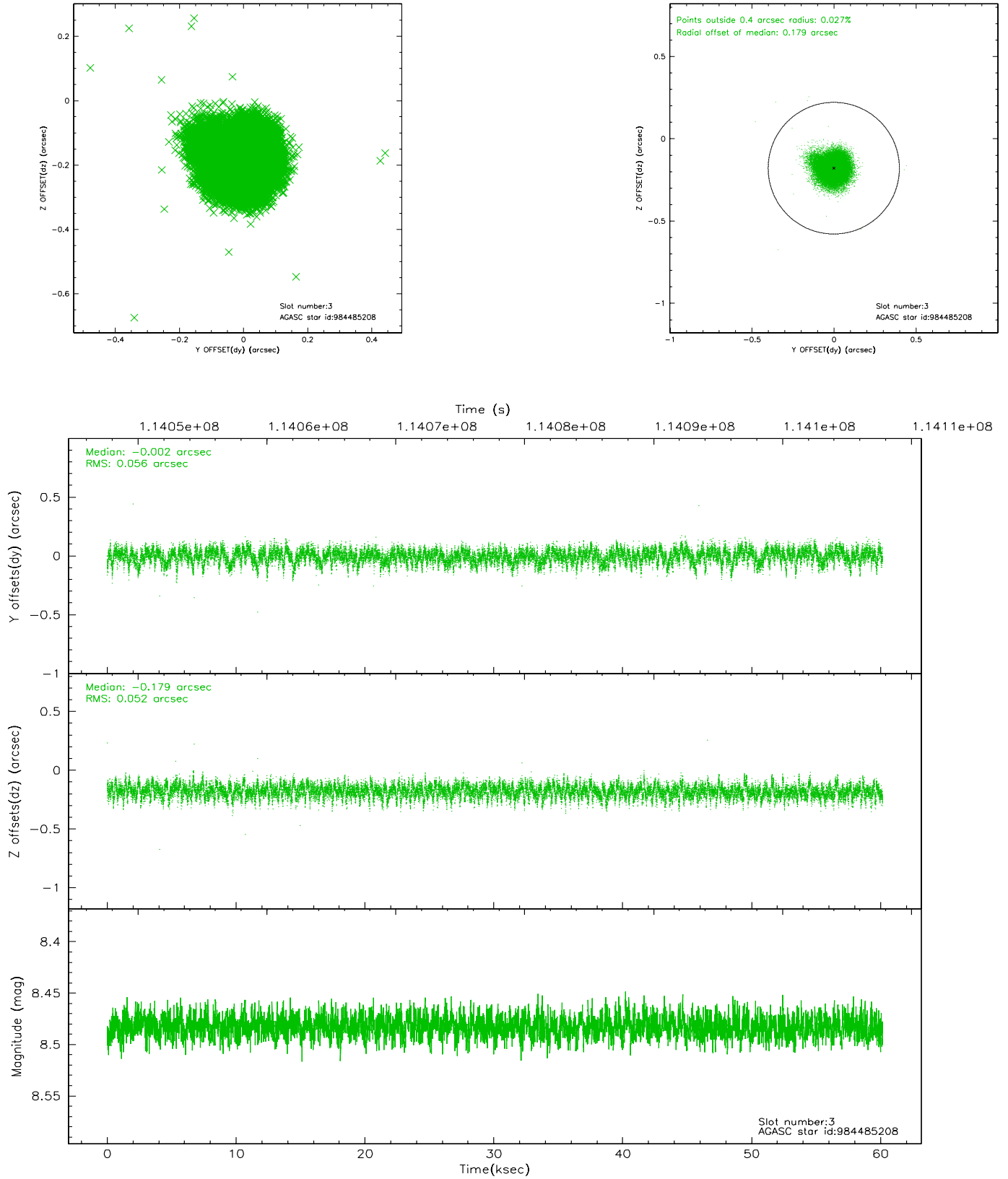


### Slot Statistics

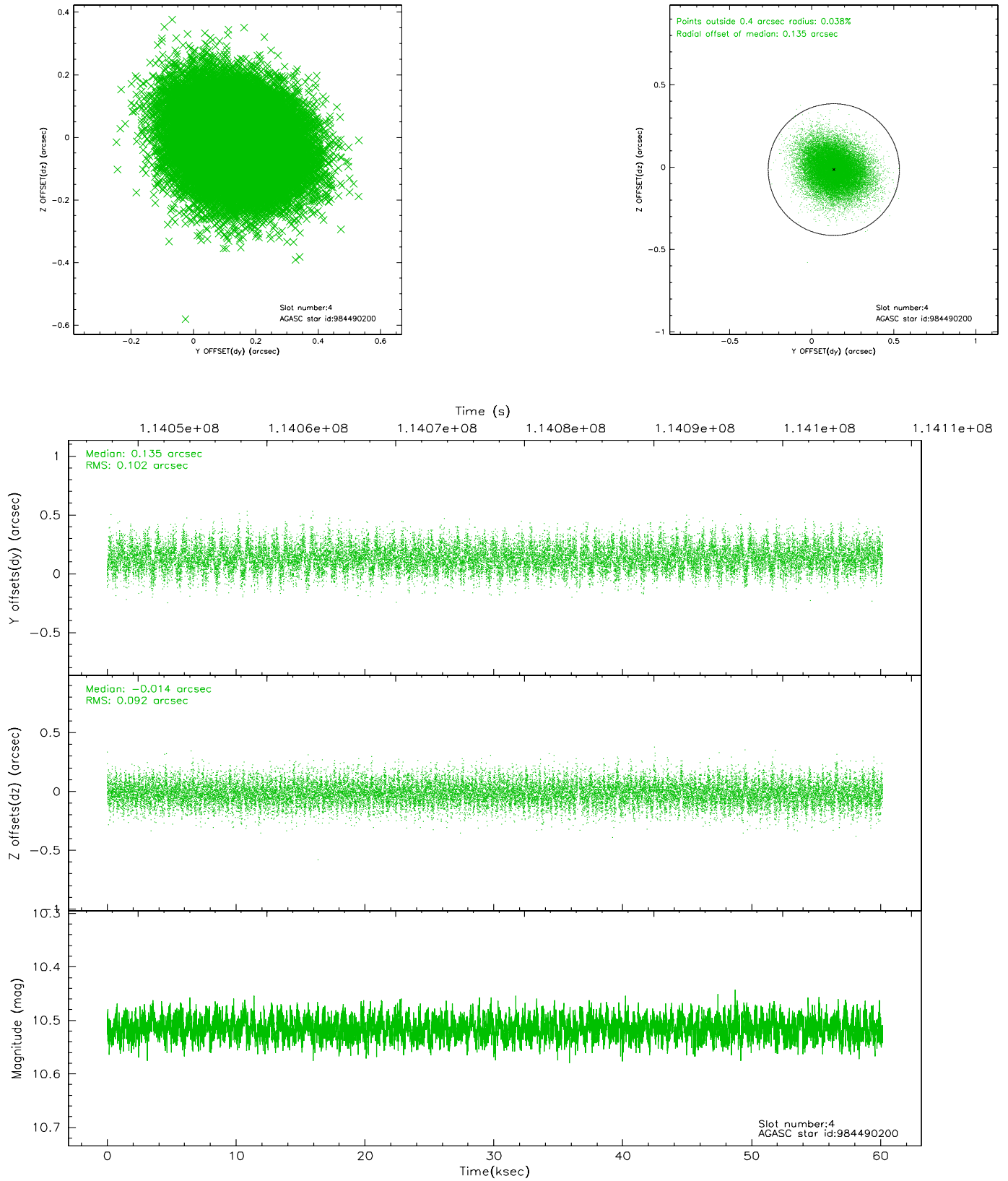
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	14677	-0.076	-0.028	0.018	0.030	0.000000	0.000000	58.44	-1855.92
1	FID	ACIS-S-4	7.20	14677	-0.046	0.053	0.014	0.025	0.000000	0.000000	2158.59	181.78
2	FID	ACIS-S-5	7.24	14678	0.093	-0.015	0.007	0.011	0.000000	0.000000	-1807.52	175.28
3	GUIDE	984485208	8.48	29338	-0.002	-0.179	0.080	0.131	344.050607	-36.680470	-1004.83	38.30
4	GUIDE	984490200	10.51	29250	0.135	-0.014	0.146	0.239	343.858447	-36.518554	-957.56	842.33
5	GUIDE	984482424	10.33	29243	-0.036	0.117	0.166	0.274	344.700930	-37.030837	-658.30	-2192.85
6	GUIDE	984618840	10.61	29138	-0.067	0.047	0.272	0.429	345.299975	-36.518913	1867.48	-2225.67
7	GUIDE	984486584	10.01	29332	-0.038	0.020	0.159	0.263	344.410205	-35.760063	2134.30	1527.31

## 2.4 Star Slots

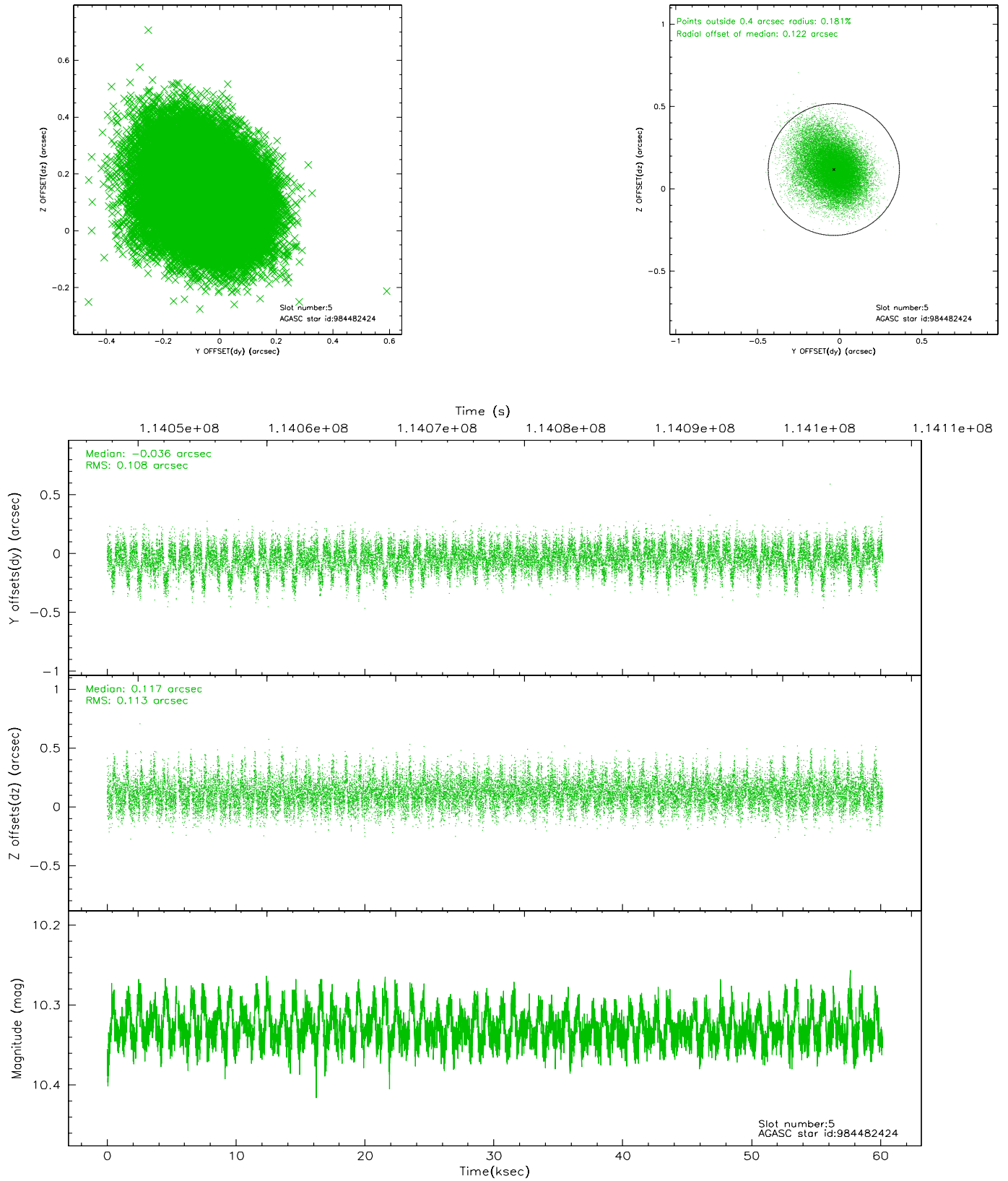
### 2.4.1 Slot 3



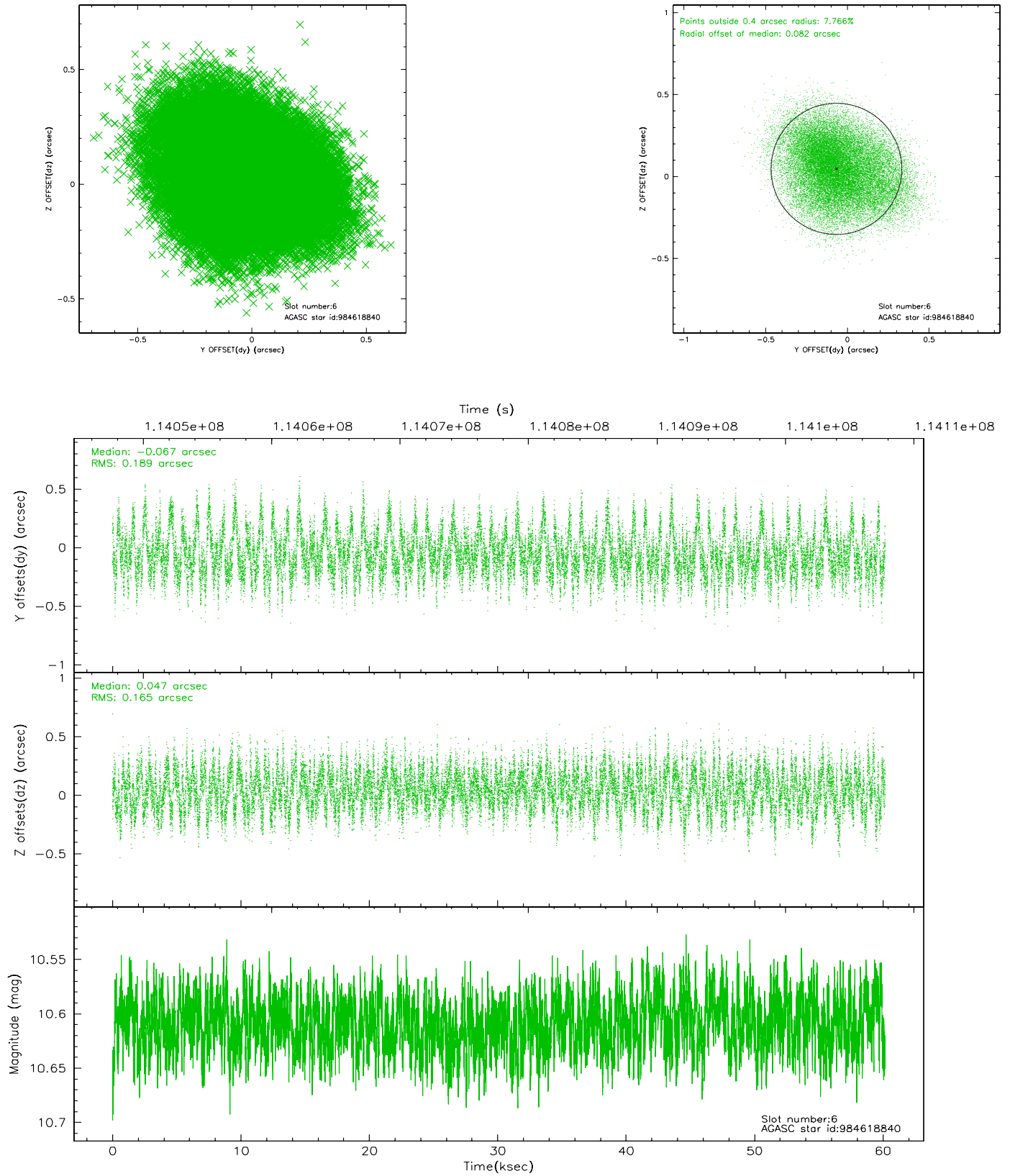
## 2.4.2 Slot 4



### 2.4.3 Slot 5

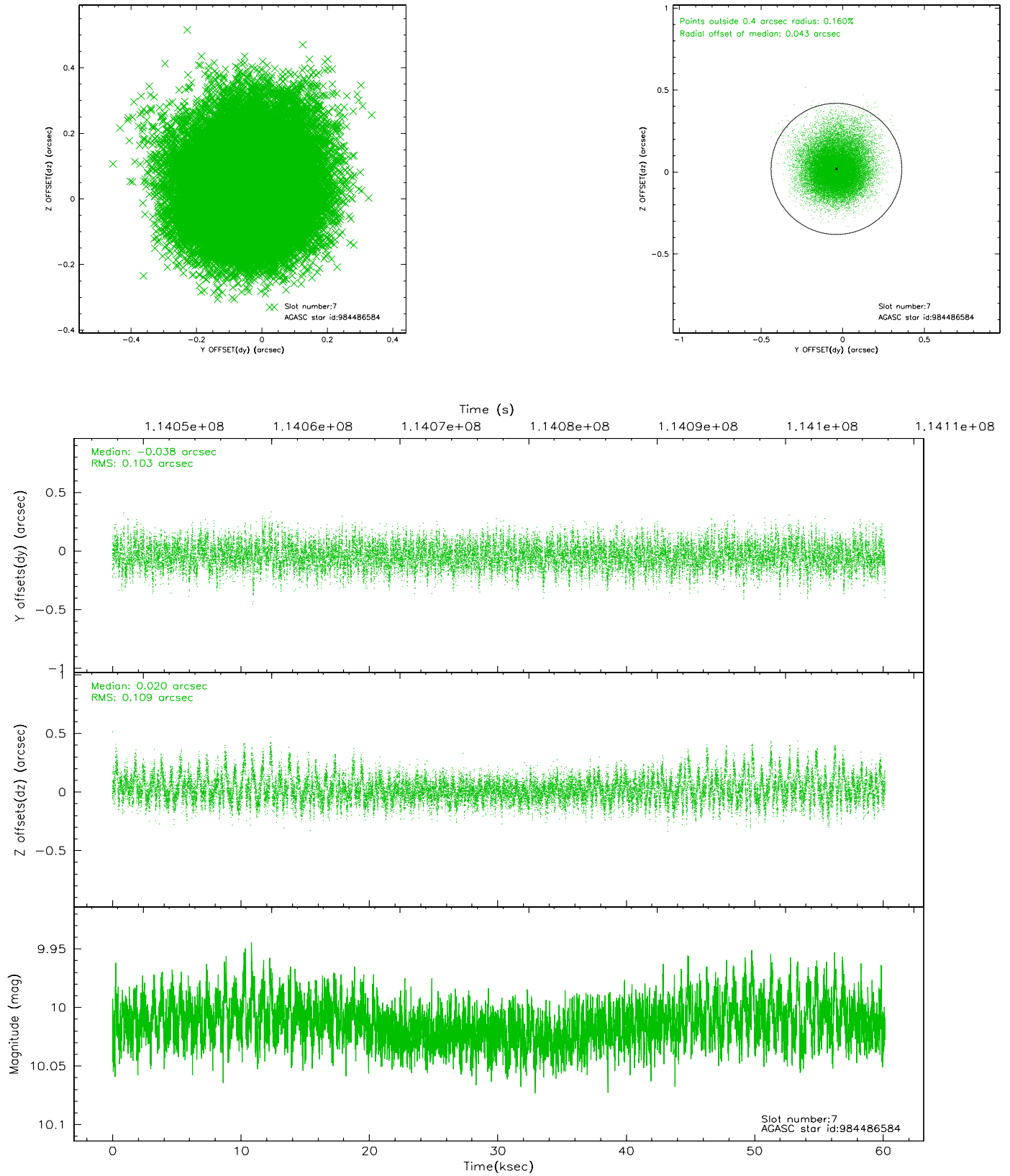


## 2.4.4 Slot 6



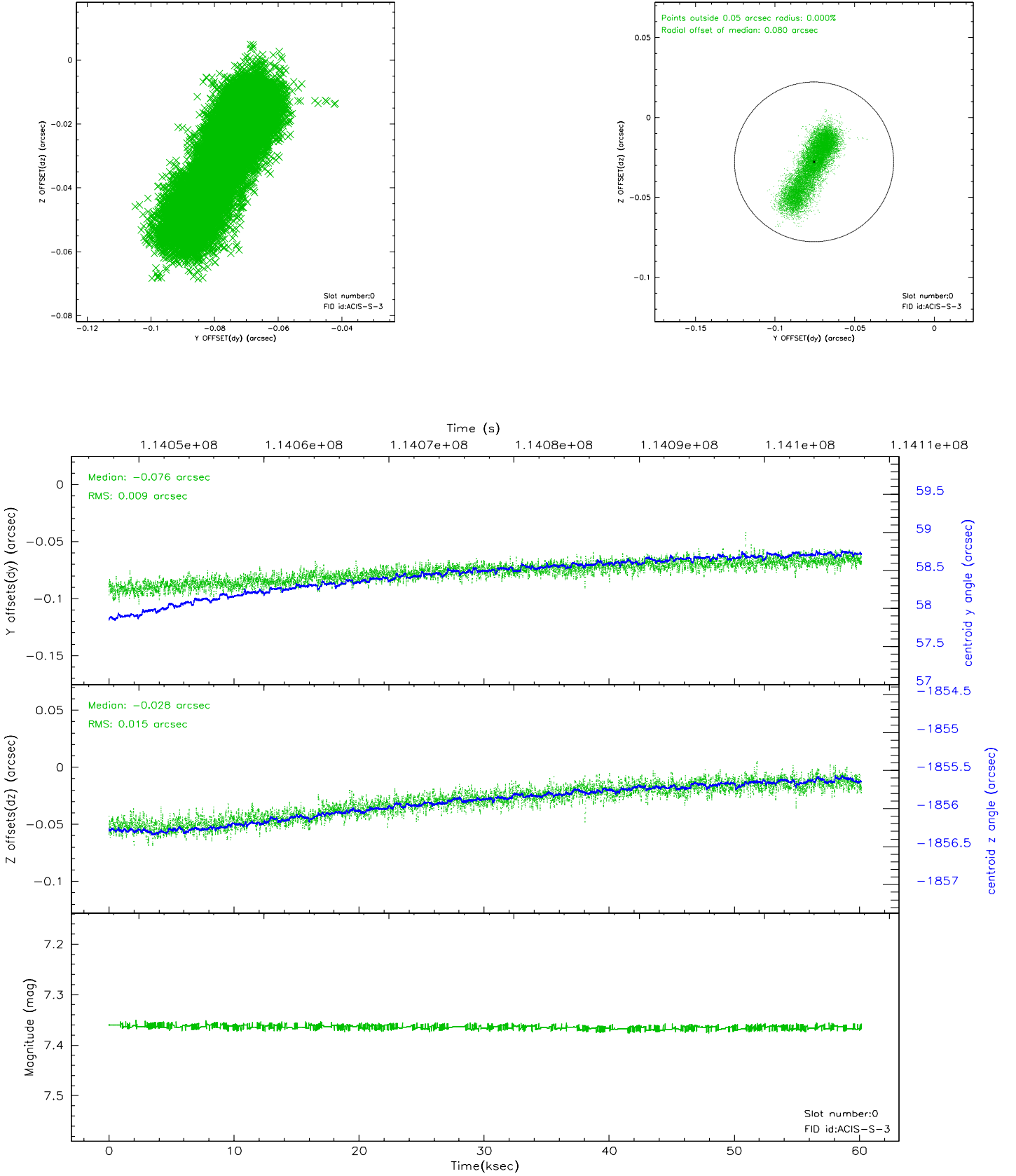


## 2.4.5 Slot 7

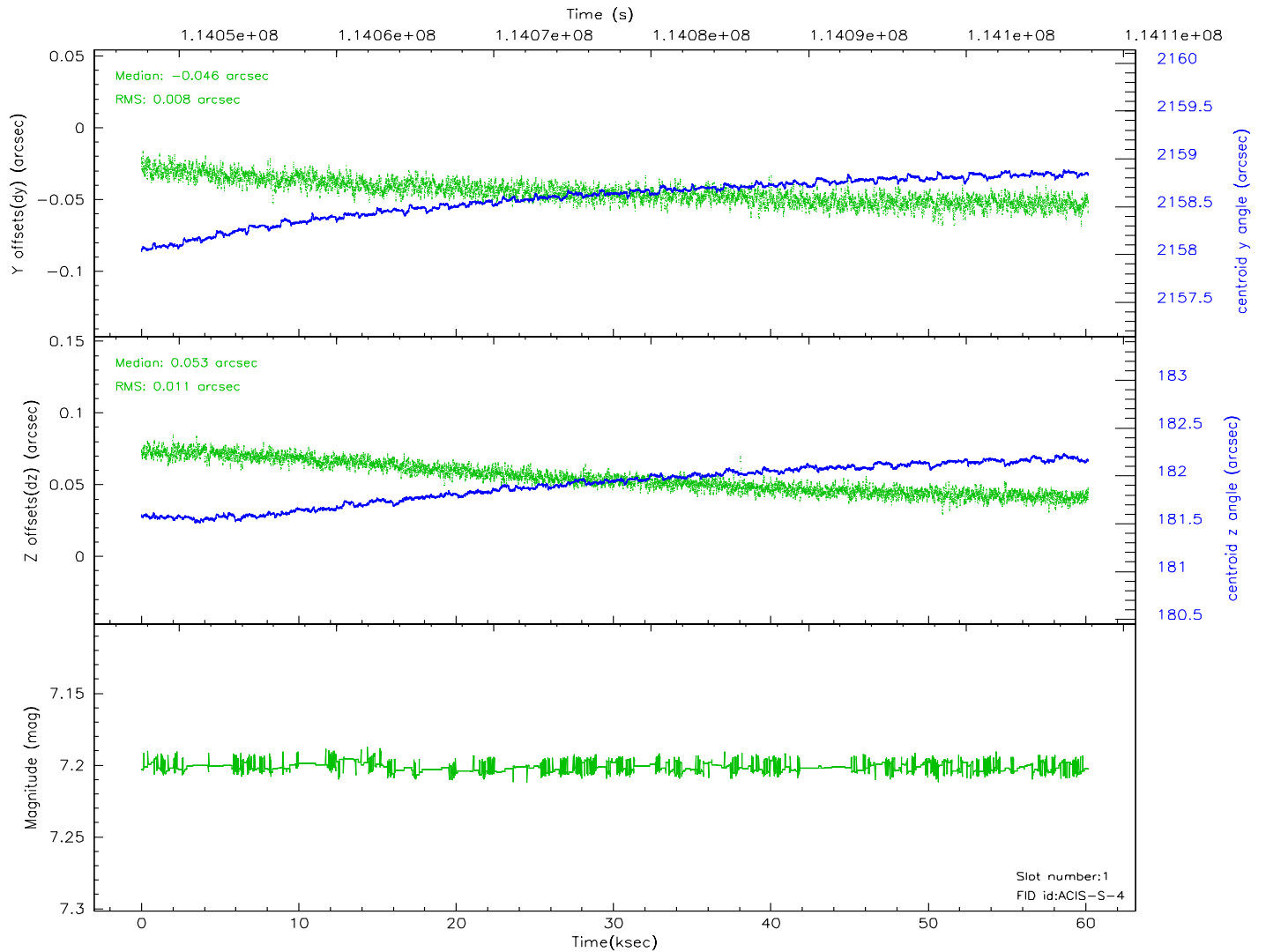
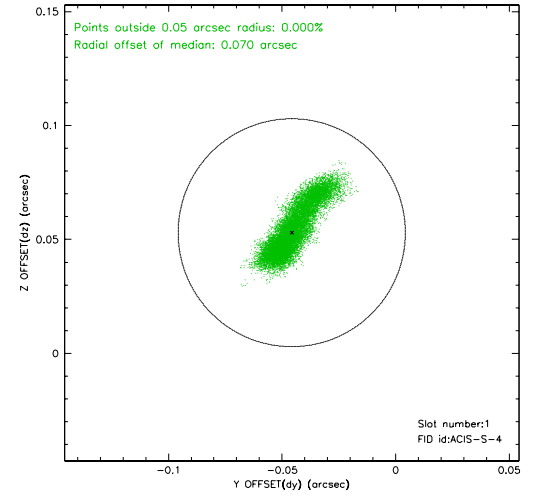
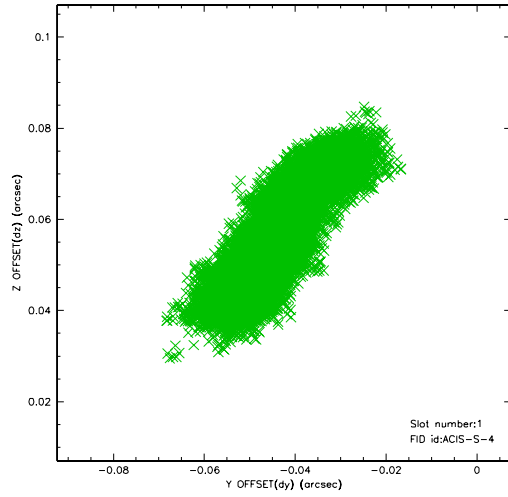


## 2.5 FID Slots

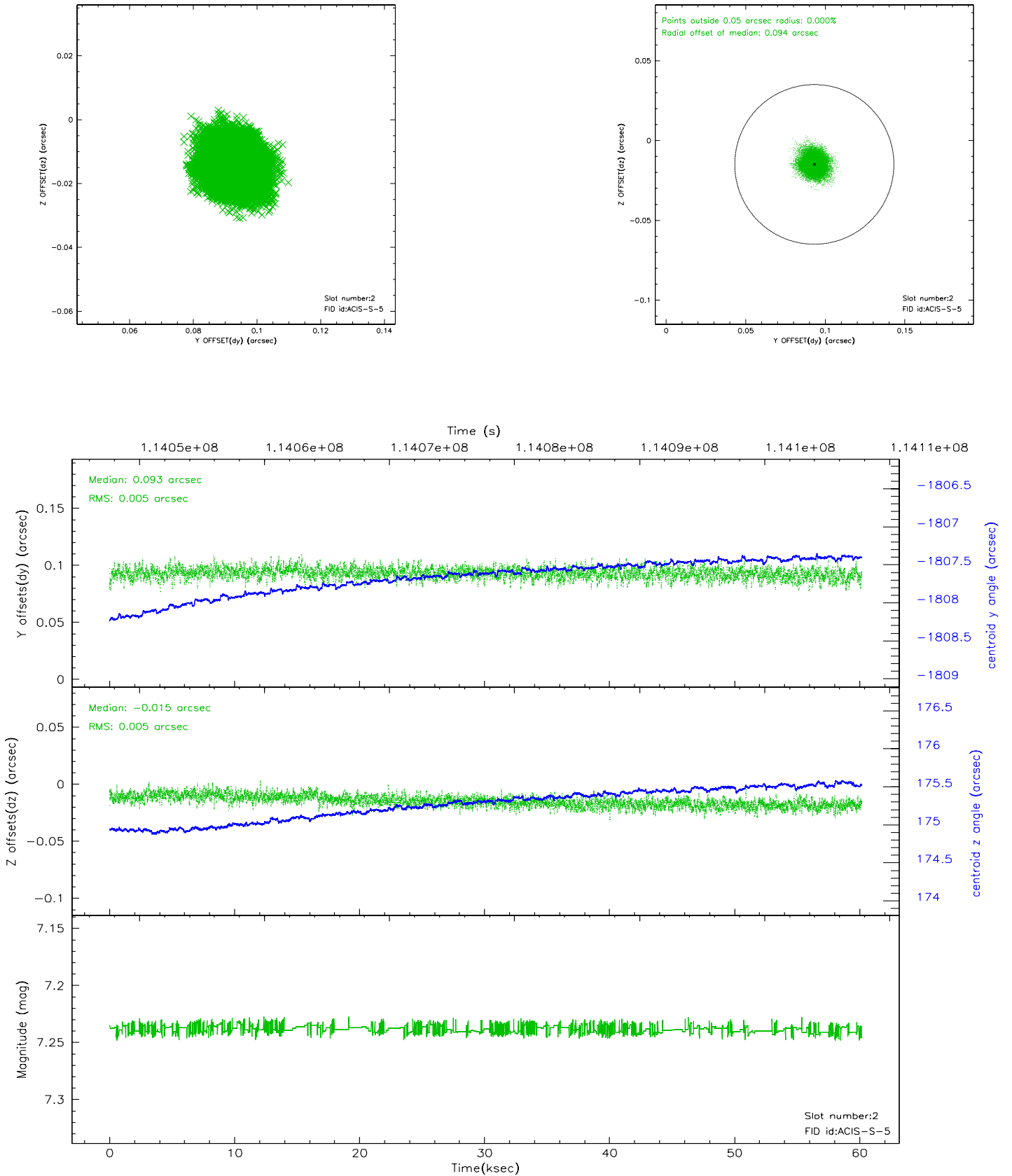
### 2.5.1 Slot 0



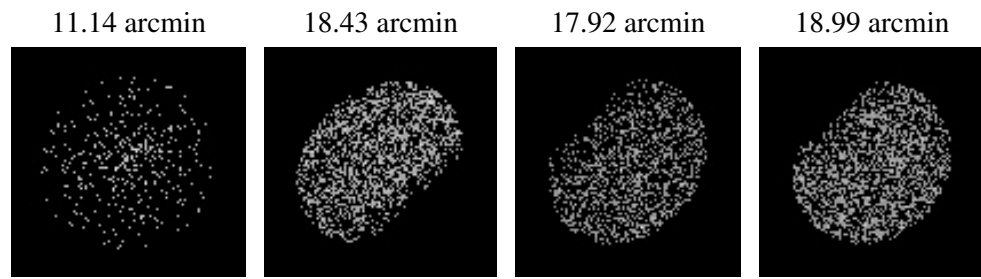
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.167

## A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the first 6 ksec of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminatd chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.