

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 3389 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jan 12 2007

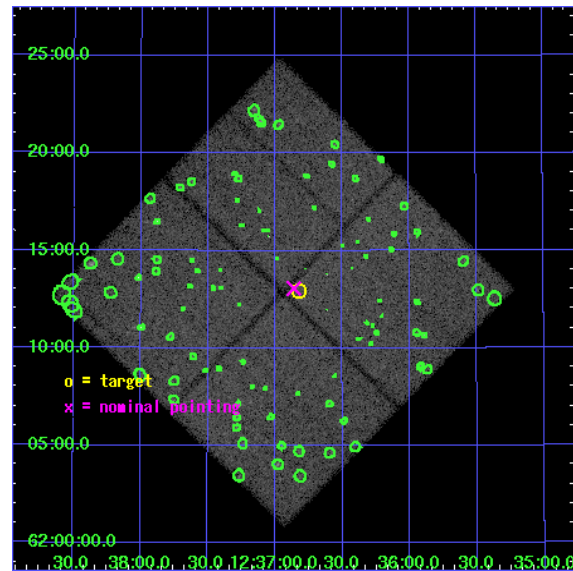
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# 1 Front

seq_num	900132
obs_id	3389
title	THE CHANDRA SURVEY OF THE HUBBLE DEEP FIELD NORTH AREA: A PUBLIC RESOURCE FOR THE PRESENT AND FUTURE OF X-RAY ASTRONOMY
observer	Prof. William Brandt
object	HDF-N
dtcycle	0
cycle	P
ra_targ	189.205833
dec_targ	62.216111
ra_nom	189.21523087709
dec_nom	62.217817209224
roll_nom	44.31802592397
revision	2
ontime	126764.54428262
livetime	125108.27218886
ontime0	126748.83944131
ontime1	126761.40316281
ontime2	126786.53111394
ontime3	126764.54428262
l2events	266687

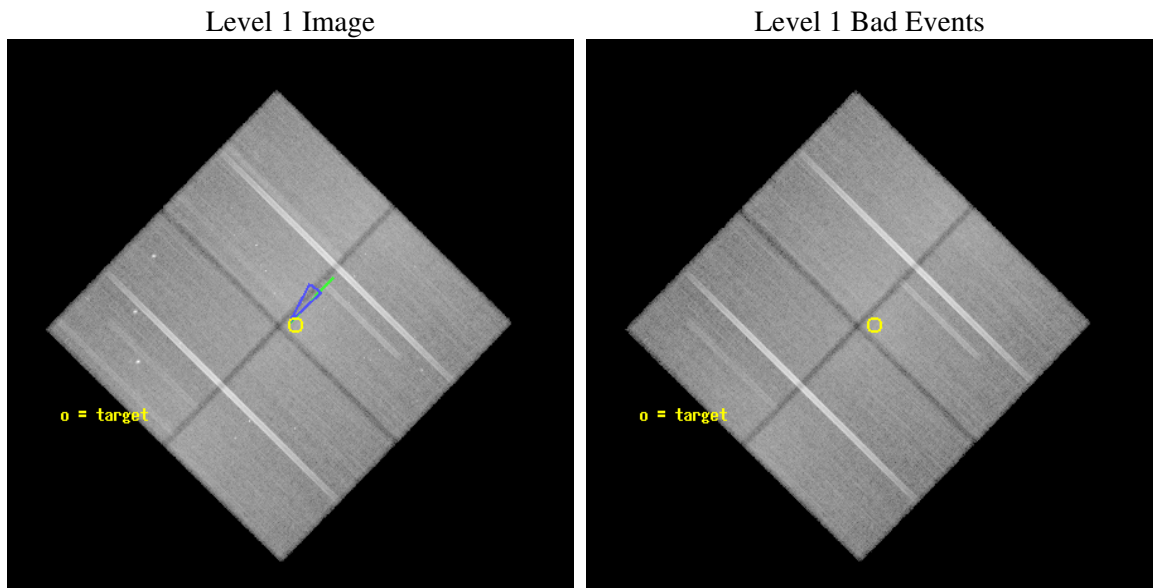




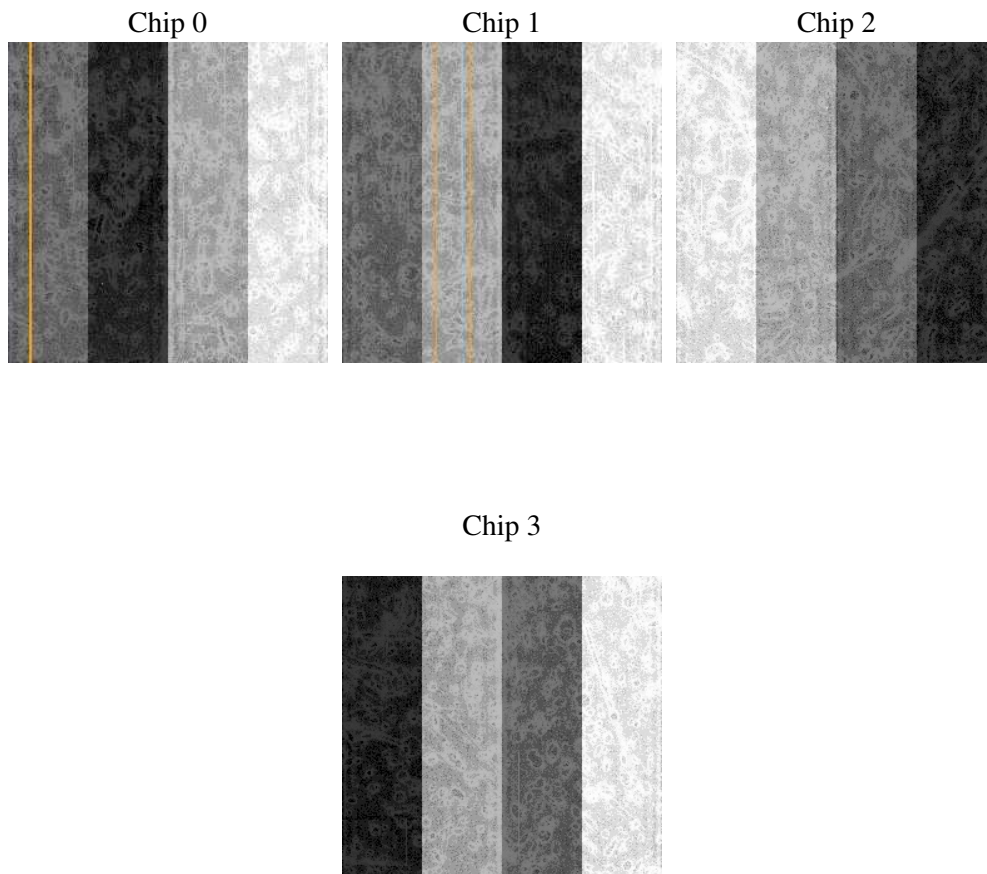
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias





### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-12T16:12:44
revision	2

sched_exp_time	160996.738000
ontime	126764.54428262
ontime0	126748.83944131
ontime1	126761.40316281
ontime2	126786.53111394
ontime3	126764.54428262
l1events	3319524

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	770205	767465	929494	852360
rejected events	673948	682455	826515	775988
rejected %	87%	88%	88%	91%

	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	44892	34768	49202	33210
	5%	4%	5%	3%
grade 1 events	491	397	540	407
	0%	0%	0%	0%
grade 2 events	21809	16869	22783	14961
	2%	2%	2%	1%
grade 3 events	8742	9726	8045	7989
	1%	1%	0%	0%
grade 4 events	8185	9322	10181	7813
	1%	1%	1%	0%
grade 5 events	17830	19617	16626	19187
	2%	2%	1%	2%
grade 6 events	13055	14692	13233	12729
	1%	1%	1%	1%
grade 7 events	655201	662074	808884	756064
	85%	86%	87%	88%

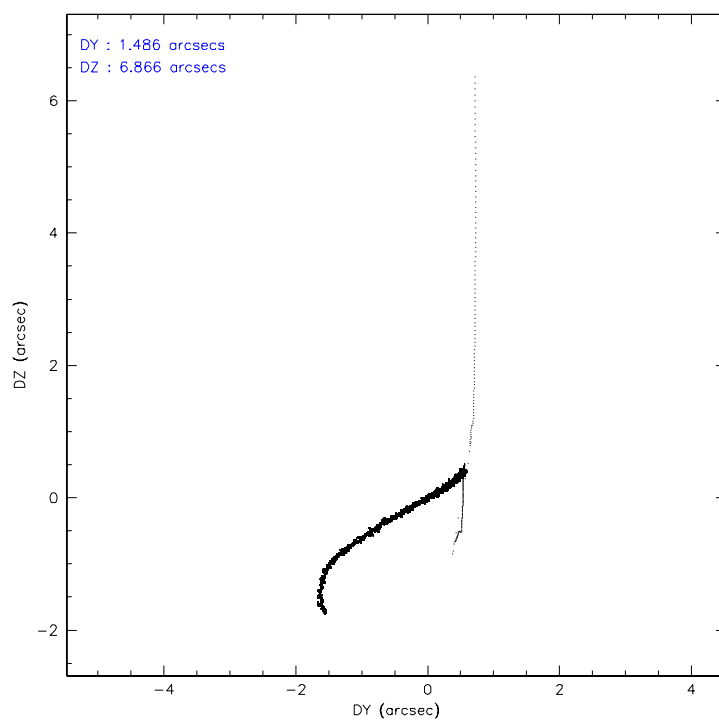
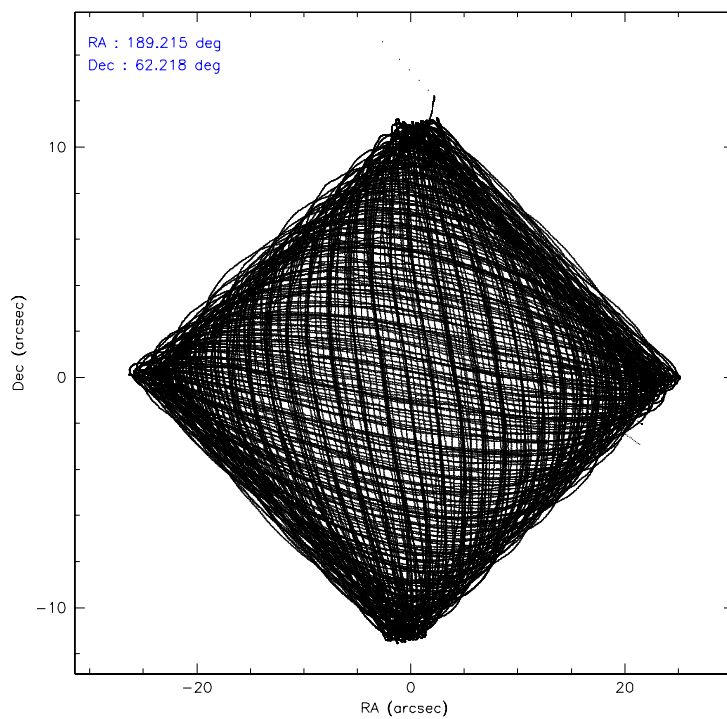


## 2.2 Compared Parameters

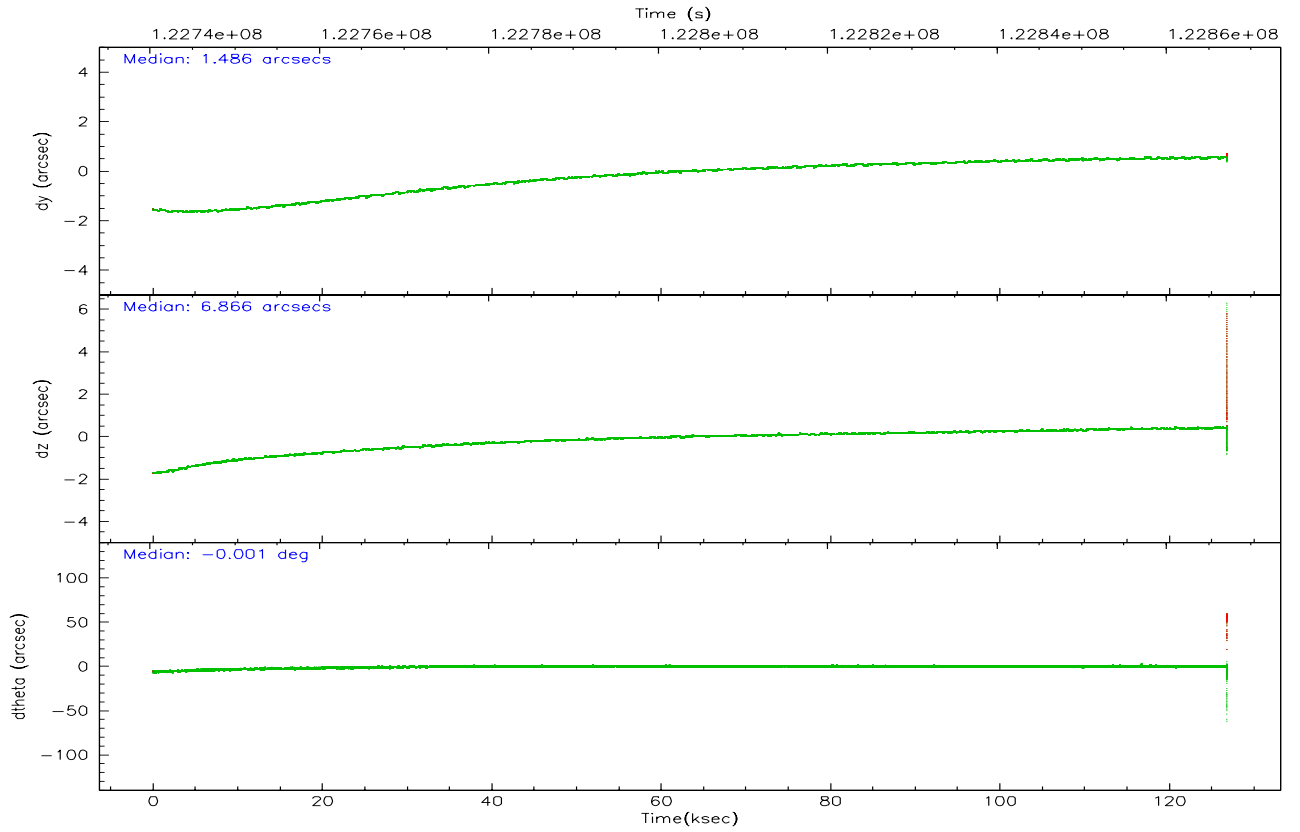
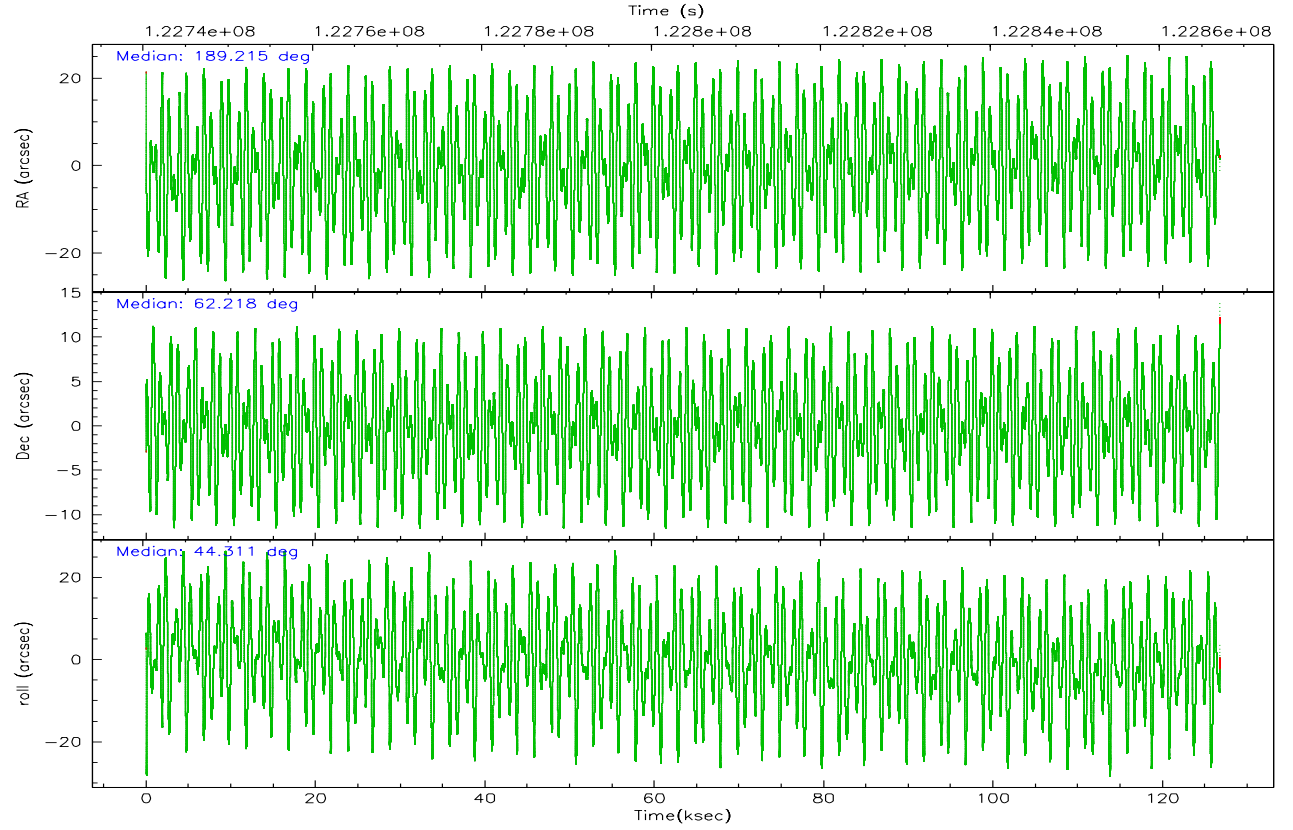
Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	189.199474	189.2152308770894	Subarray requested	NONE	NONE
Pointing Dec	62.191420	62.21781720922363	Alternating exposures requested	N	N
Pointing Roll	44.123267	44.31802592397005	Primary exposure time	0.000000	3.1
Roll angle	38.000000	38.000000			
Roll tolerance	10.000000	10.000000			
Roll constraint allows 180D rotation	N	N			
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	122740474.184000	122739365.32202			
Observation start date	2001-11-21T14:33:30	2001-11-21T14:16:05			
Observation end time	122901471.184000	122867207.93963			
Observation end date	2001-11-23T11:16:47	2001-11-23T01:46:47			
Read mode	TIMED	TIMED			



## 2.3 Aspect









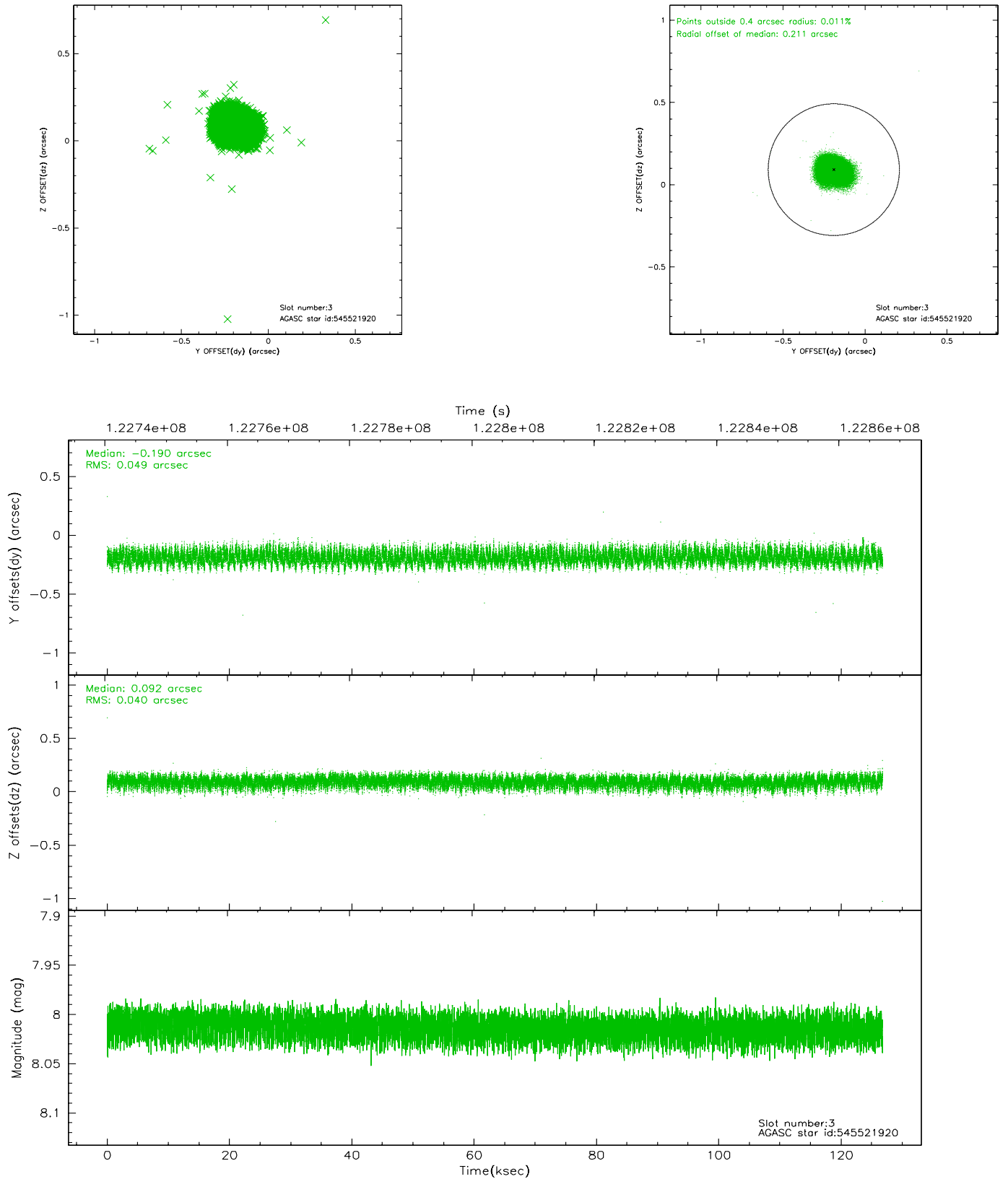
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	30924	-0.029	0.047	0.010	0.025	0.000000	0.000000	938.55	-830.04
1	FID	ACIS-I-5	7.23	30919	-0.014	0.037	0.020	0.044	0.000000	0.000000	-1809.57	1067.54
2	FID	ACIS-I-6	7.26	30922	-0.050	-0.014	0.024	0.053	0.000000	0.000000	404.24	1711.84
3	GUIDE	545521920	8.01	61852	-0.190	0.092	0.067	0.107	190.203465	62.042567	853.29	-1554.66
4	GUIDE	545523592	10.23	61644	0.154	0.194	0.144	0.239	188.664324	61.541019	-2285.34	-1039.04
5	GUIDE	545523632	10.04	61735	0.237	-0.039	0.107	0.176	188.952319	61.550910	-1907.87	-1359.78
6	GUIDE	545916224	9.60	61816	-0.149	-0.138	0.110	0.174	188.817359	62.651242	700.60	1629.59
7	GUIDE	545916288	10.05	61628	-0.046	-0.110	0.127	0.204	188.813969	62.949161	1447.96	2399.15



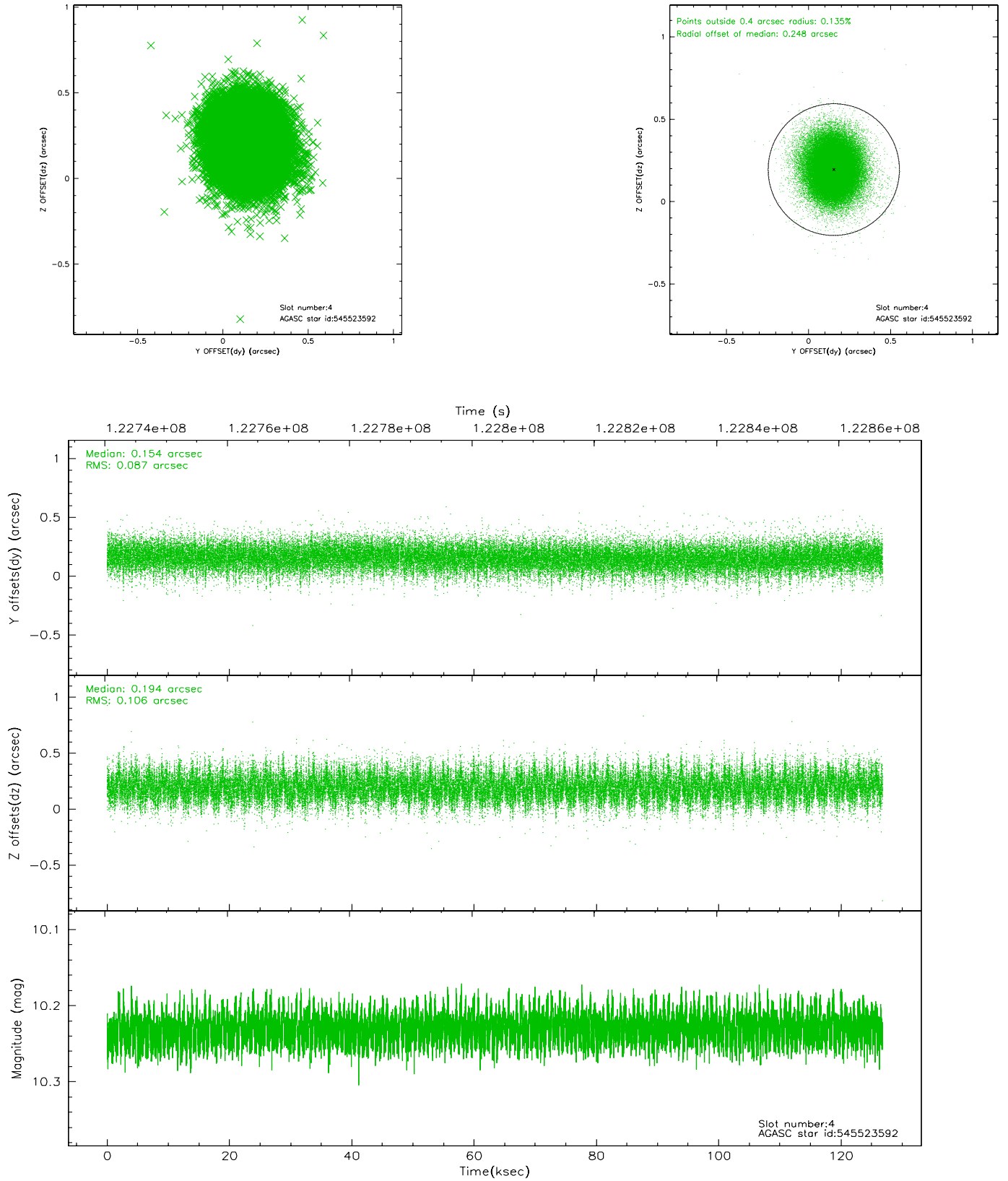
## 2.4 Star Slots

### 2.4.1 Slot 3



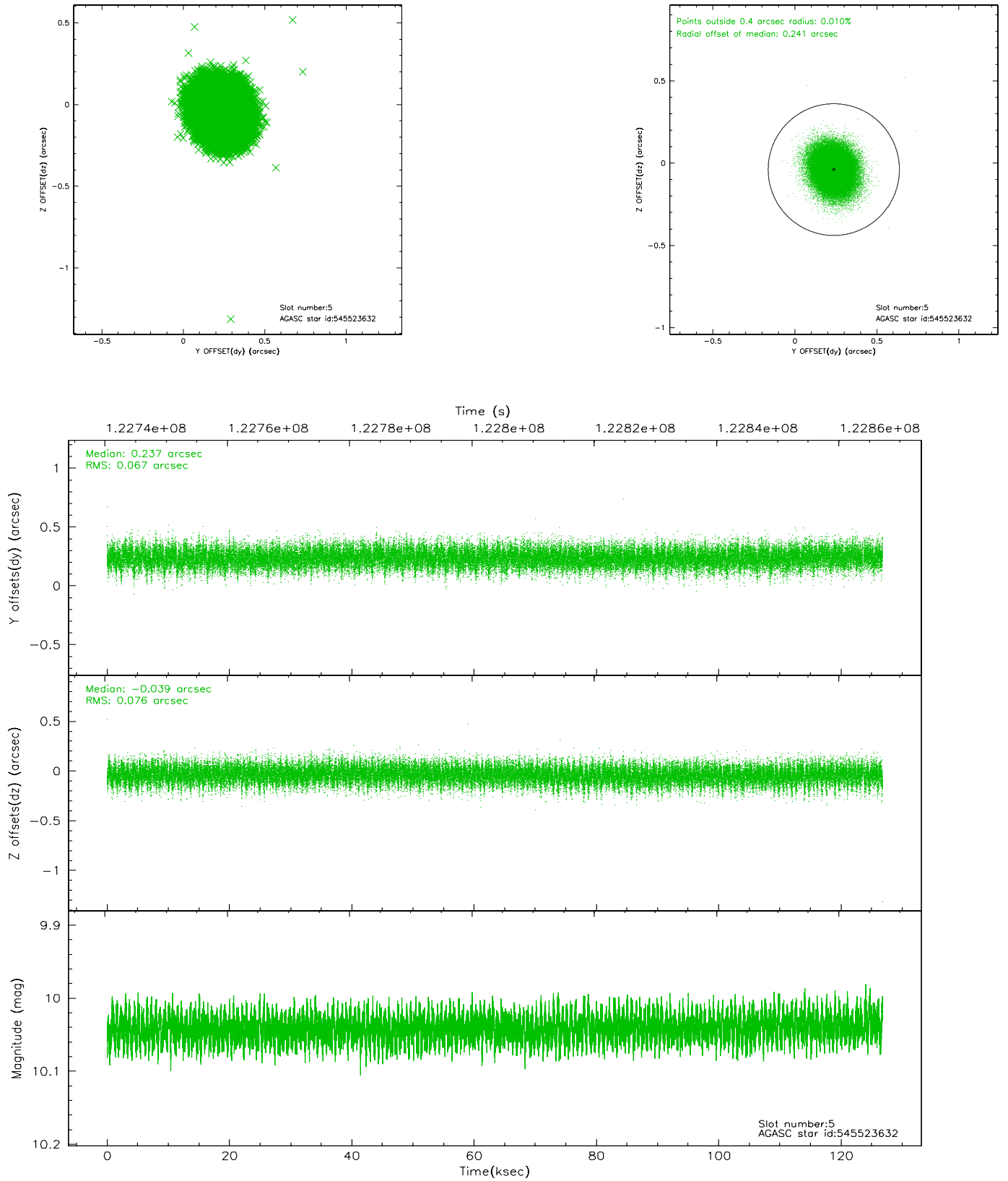


## 2.4.2 Slot 4



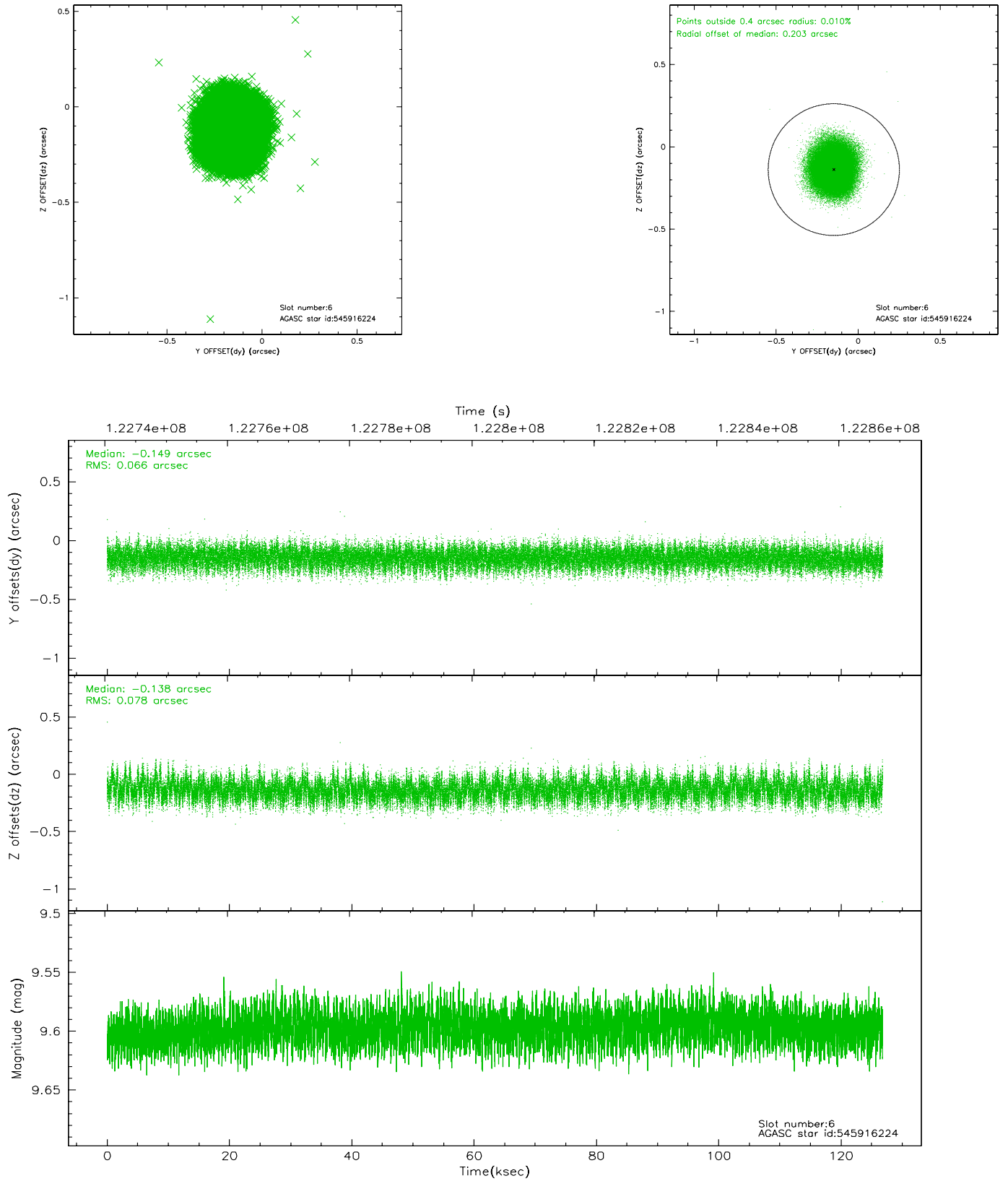


### 2.4.3 Slot 5



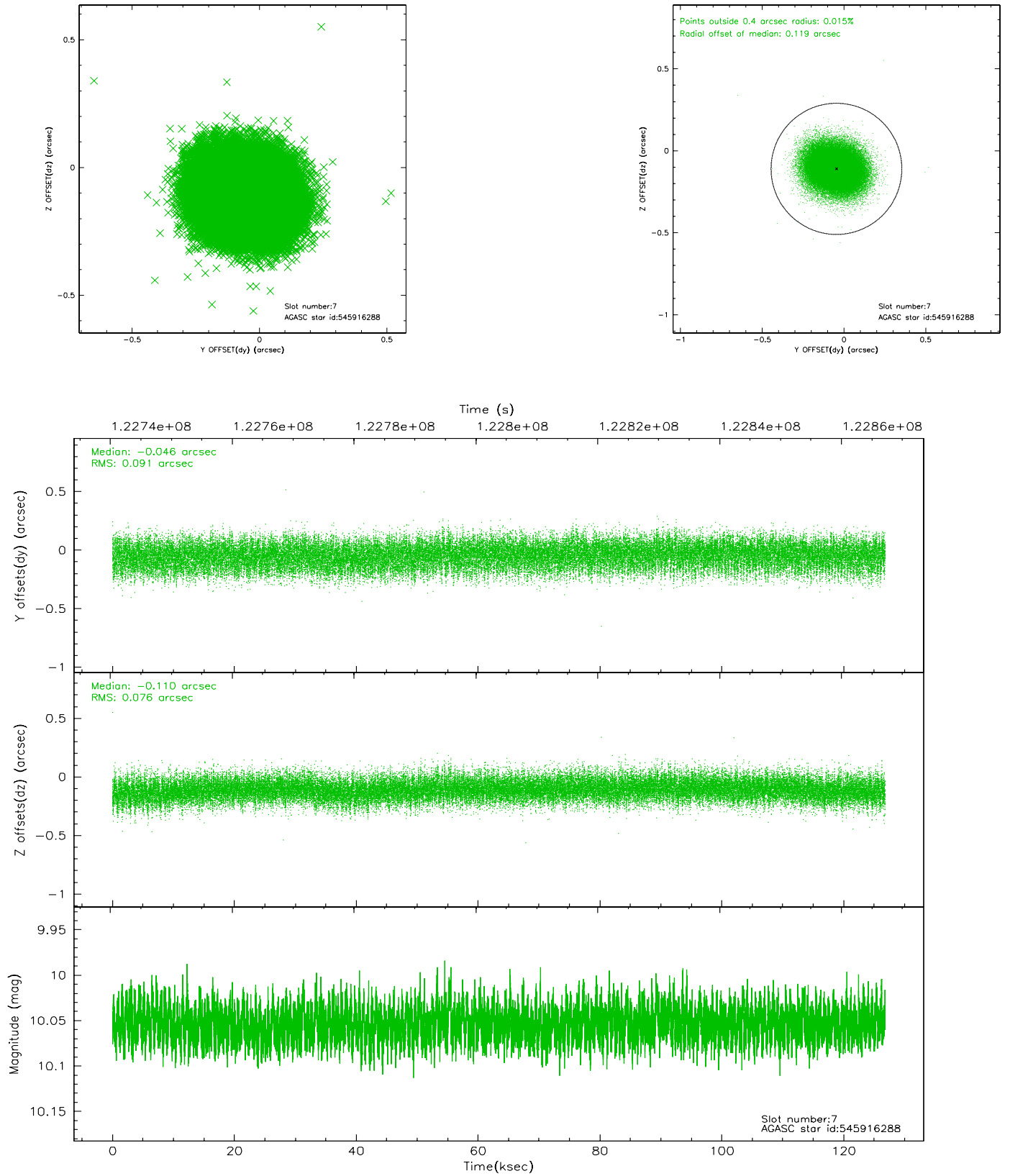


## 2.4.4 Slot 6





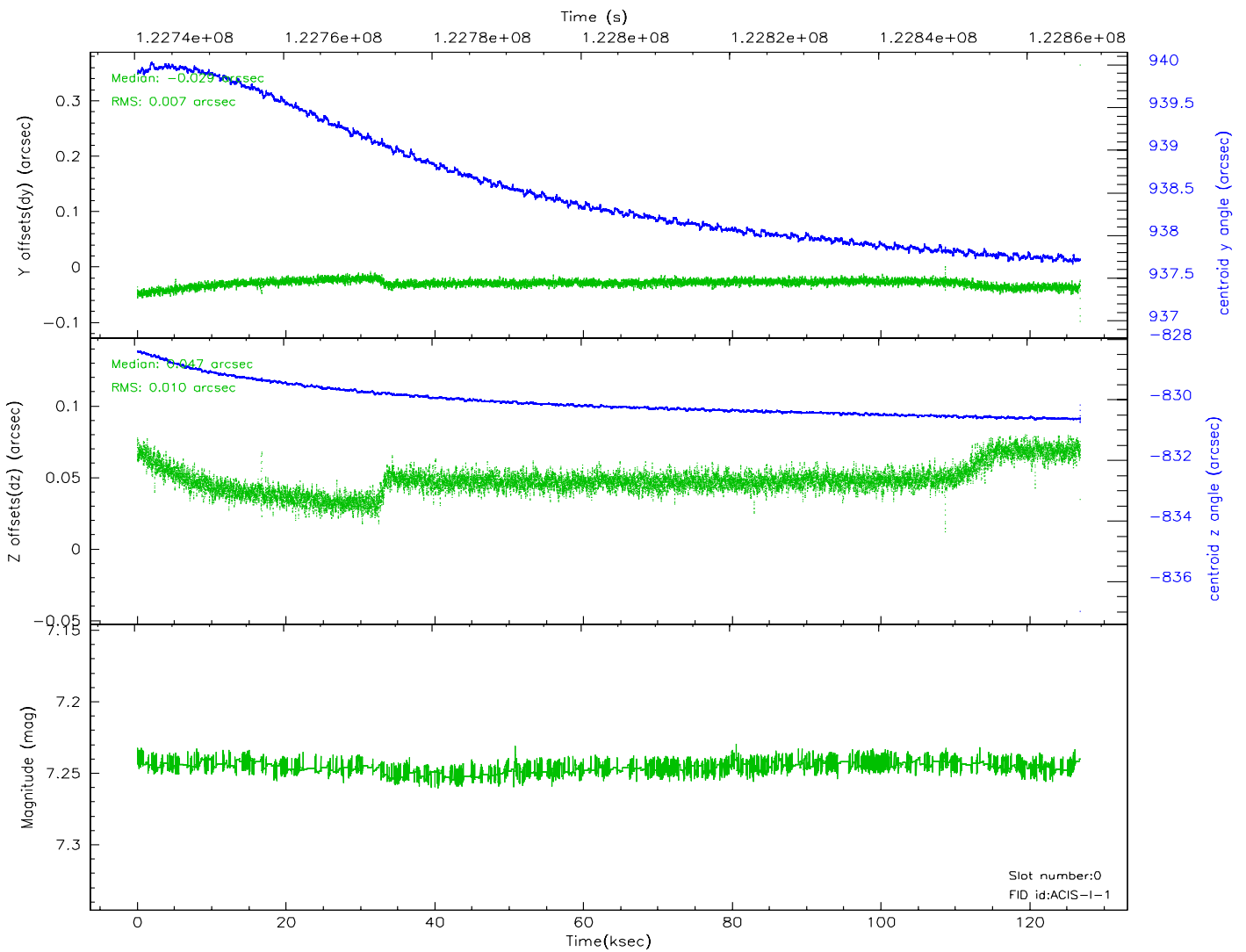
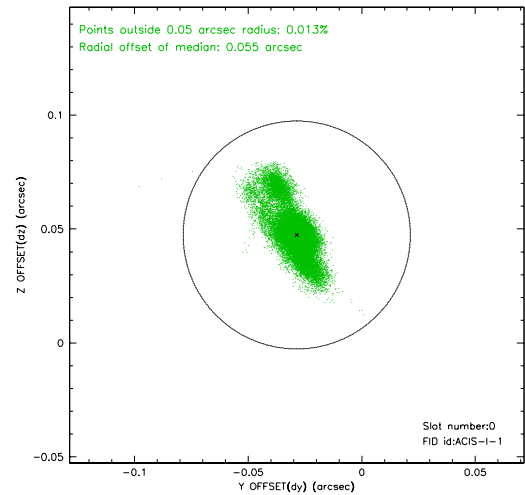
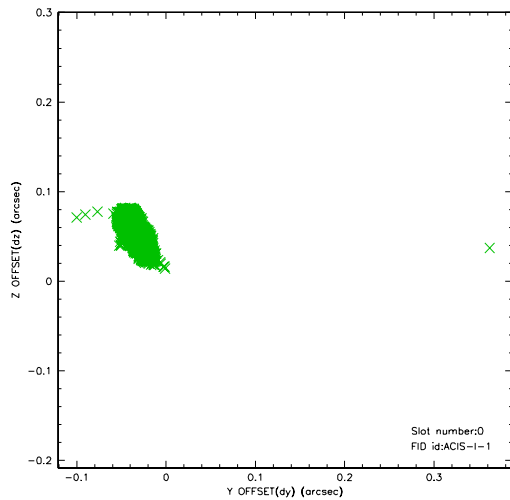
## 2.4.5 Slot 7





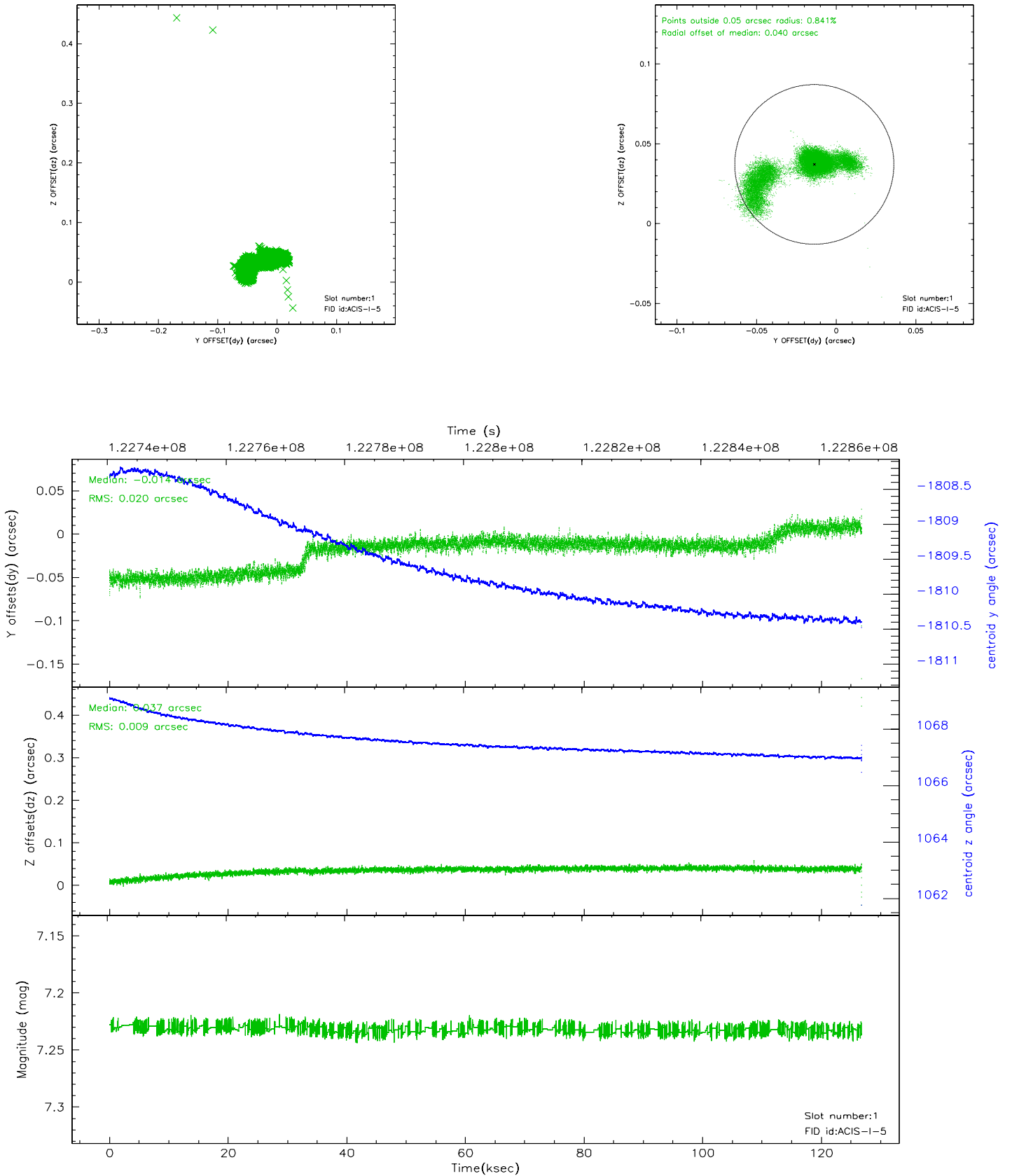
## 2.5 FID Slots

### 2.5.1 Slot 0



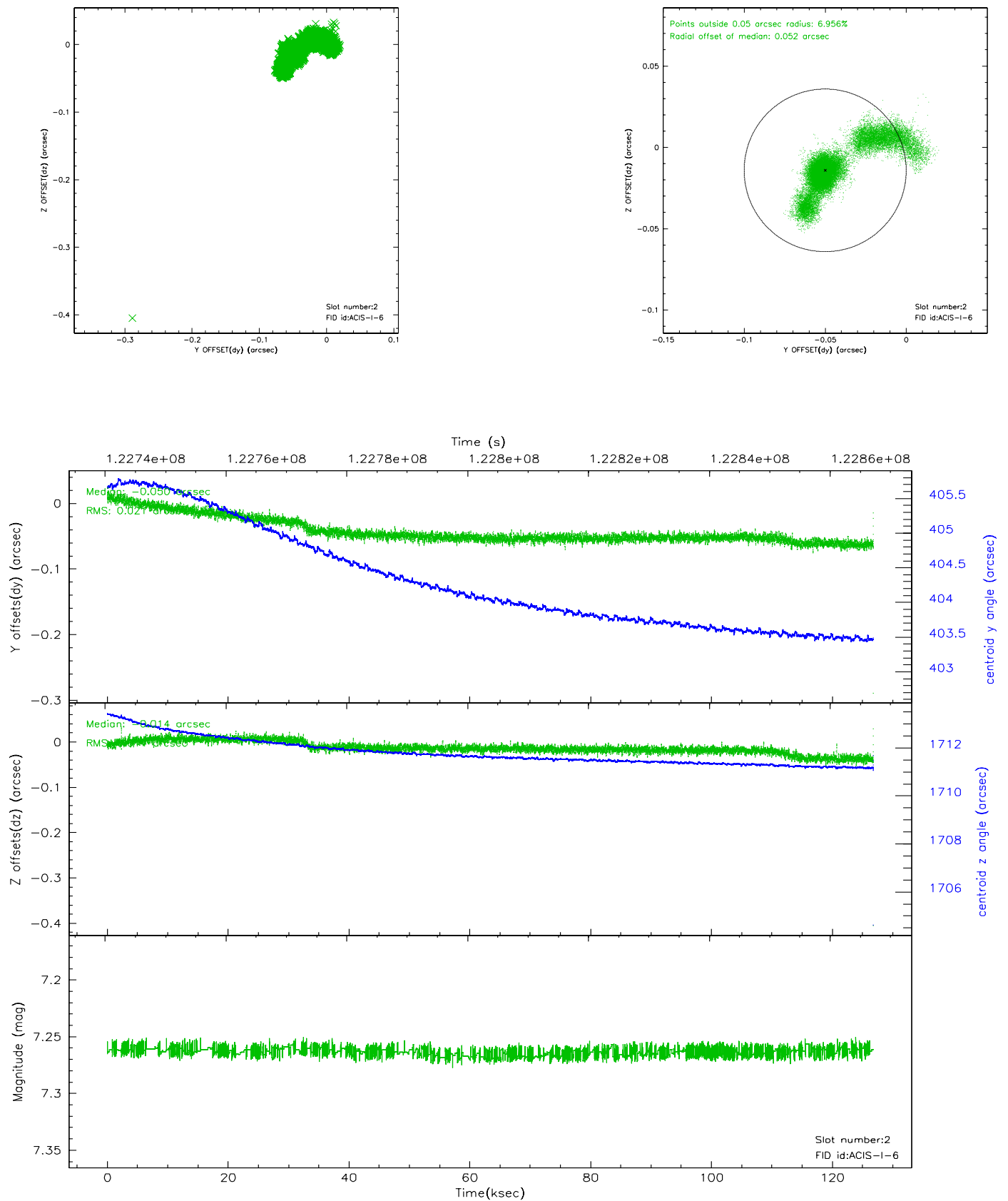


## 2.5.2 Slot 1



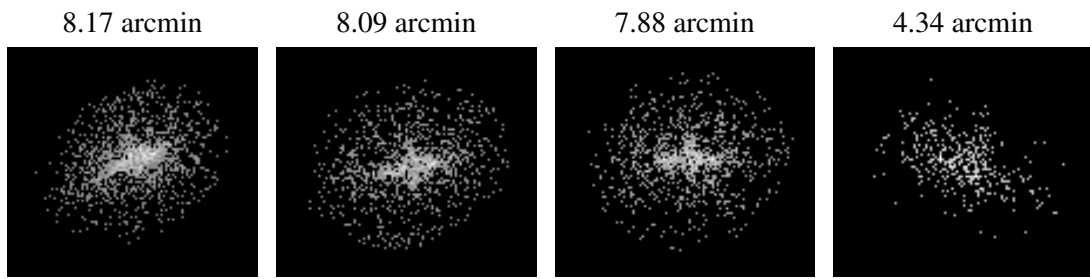


### 2.5.3 Slot 2





### 3 Point Sources





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	126.78

### A.2 Comments

This observation was interrupted by safing of the science instruments due to high solar radiation environment. The observation was interrupted at 2001-11-23 01:45:16.