

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3130 - L2 Version 001  
Chandra X-Ray Center

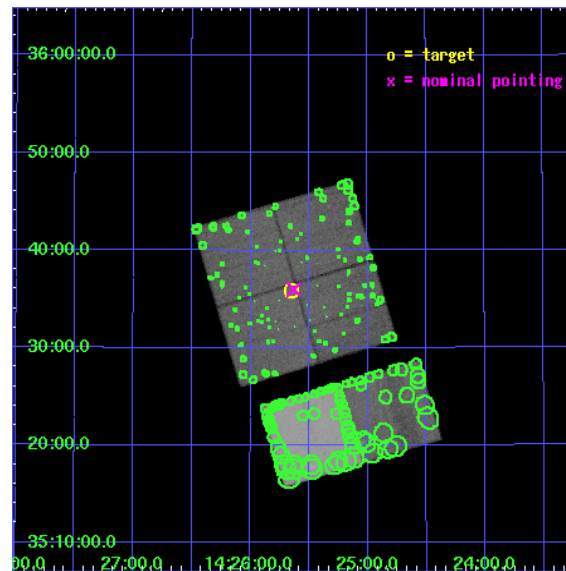
L2 Processing Date : Jan 11 2007

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

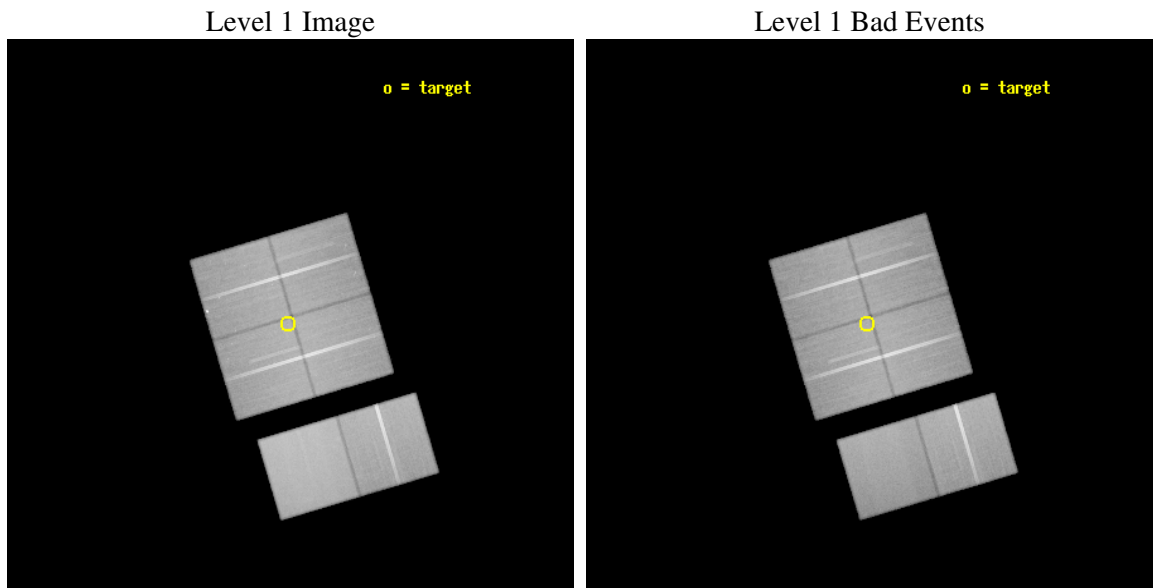
seq_num	700569
obs_id	3130
title	STRONG LYMAN ALPHA SOURCES AT REDSHIFTS $Z>4$ : GALAXIES OR QUASARS?
observer	DR. SANGEETA MALHOTRA
object	FIELD-142549+353248
dtcycle	0
cycle	P
ra_targ	216.412
dec_targ	35.597
ra_nom	216.40756993349
dec_nom	35.599980438497
roll_nom	163.43402978236
revision	3
ontime	121650.91264513
livetime	120110.49553983
ontime0	121663.87664586
ontime1	121654.15362546
ontime2	121663.87655619
ontime3	121650.91264513
ontime6	121663.87661606
ontime7	121673.59954673
l2events	895891



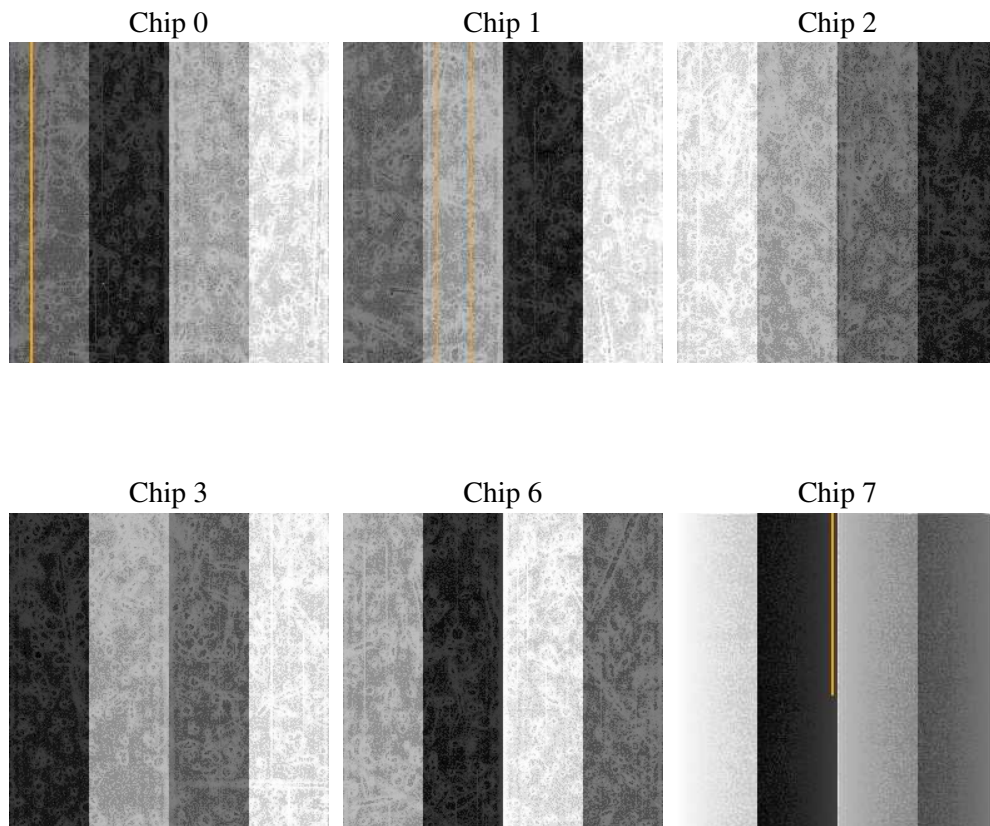
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-11T21:04:24
revision	3

sched_exp_time	159923.534000
ontime	121650.91264513
ontime0	121663.87664586
ontime1	121654.15362546
ontime2	121663.87655619
ontime3	121650.91264513
ontime6	121663.87661606
ontime7	121673.59954673
l1events	5007326

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	733809	760978	805610	807546	848442	1050941
rejected events	628259	647317	703371	704146	741664	607329
rejected %	85%	85%	87%	87%	87%	57%

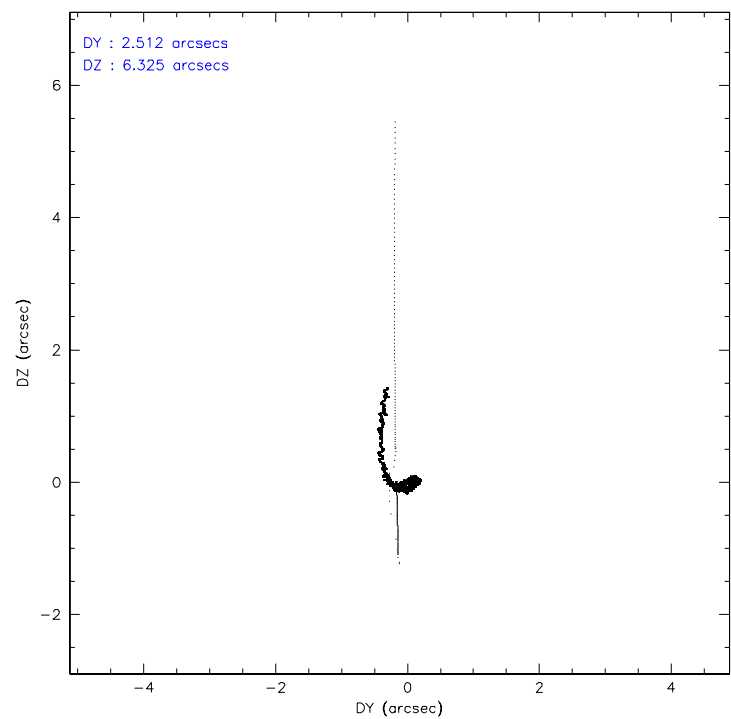
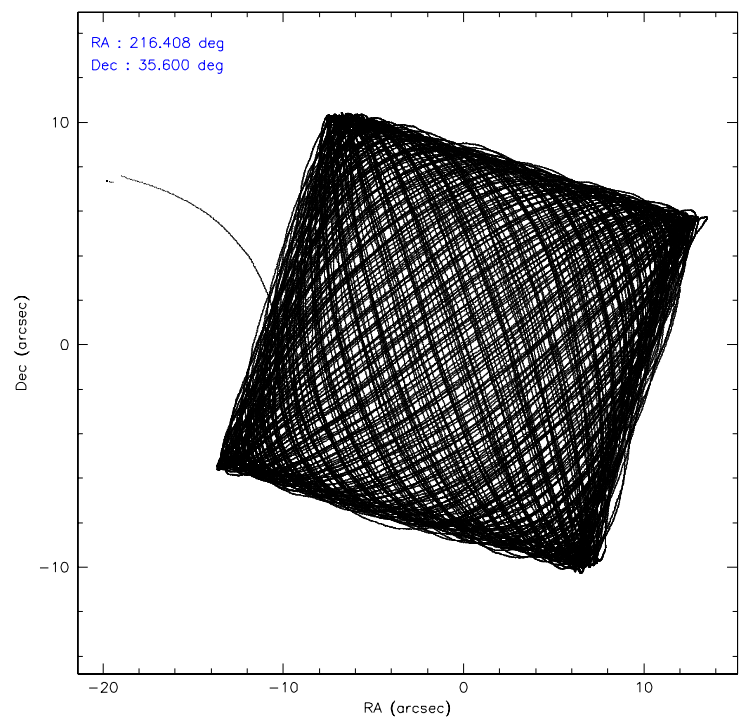
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	45170	47458	44049	43989	43589	42581
	6%	6%	5%	5%	5%	4%
grade 1 events	393	411	366	383	371	1013
	0%	0%	0%	0%	0%	0%
grade 2 events	23750	25101	22784	23108	23919	87587
	3%	3%	2%	2%	2%	8%
grade 3 events	9465	10549	8658	8948	9375	39957
	1%	1%	1%	1%	1%	3%
grade 4 events	8957	9994	8768	9019	9264	39463
	1%	1%	1%	1%	1%	3%
grade 5 events	29533	31583	28269	31589	35399	99157
	4%	4%	3%	3%	4%	9%
grade 6 events	18421	20797	18168	18550	20833	234805
	2%	2%	2%	2%	2%	22%
grade 7 events	598120	615085	674548	671960	705692	506378
	81%	80%	83%	83%	83%	48%

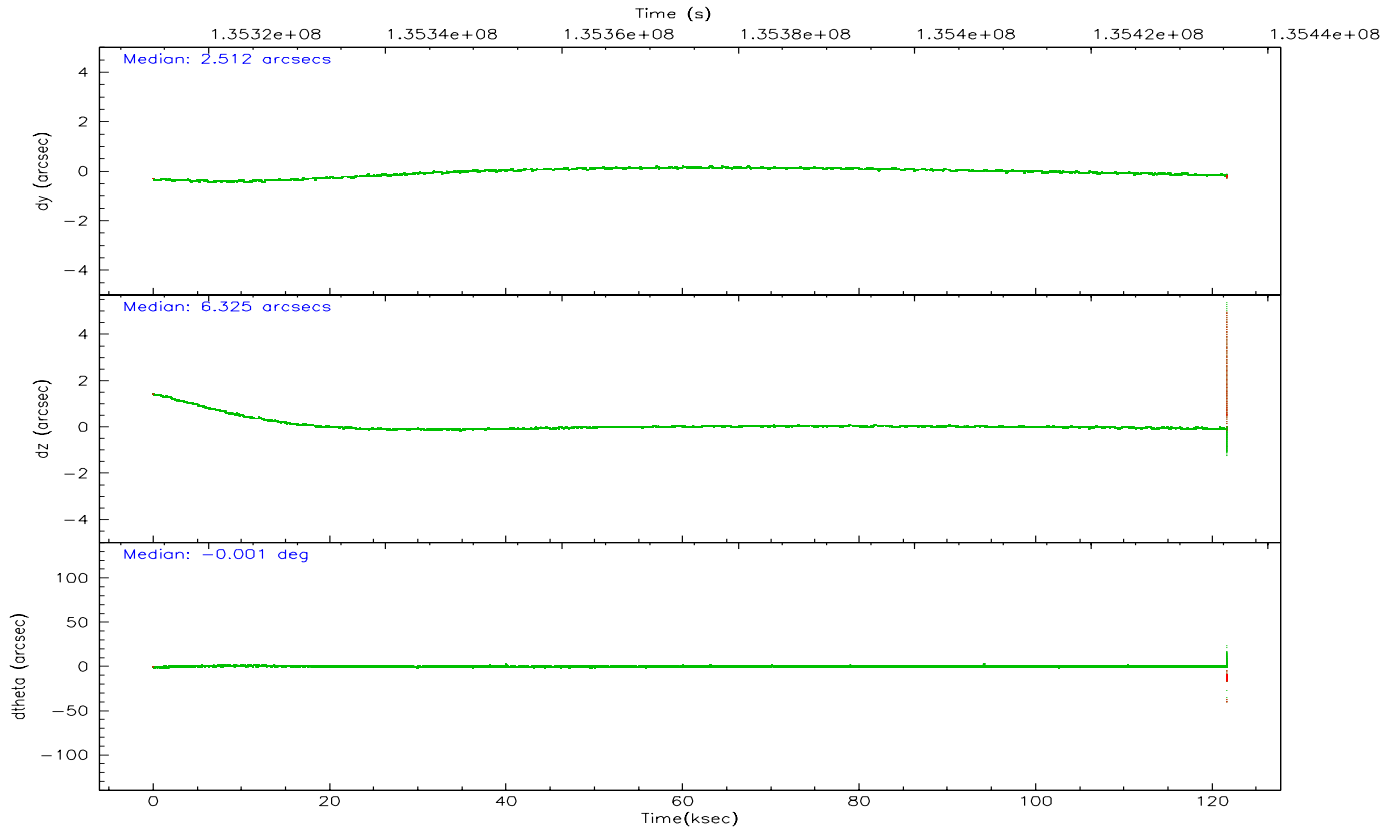
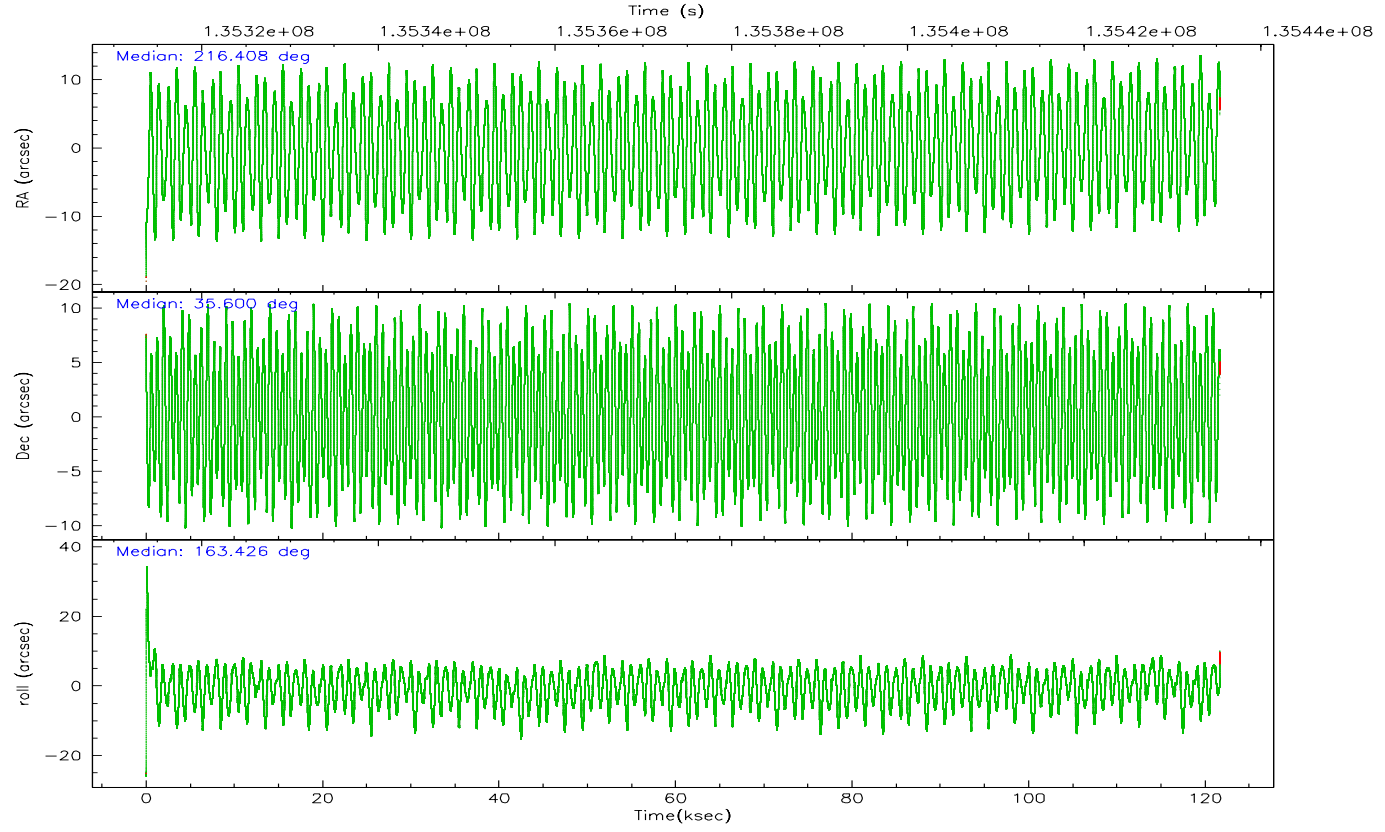


## 2.2 Compared Parameters

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	216.440335	216.4075699334867	Alternating exposures requested	N	N
Pointing Dec	35.606407	35.59998043849703	Primary exposure time	0.000000	3.2
Pointing Roll	163.206274	163.4340297823569			
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	135313817.184000	135312693.3538			
Observation start date	2002-04-16T03:09:13	2002-04-16T02:51:33			
Observation end time	135473740.184000	135435414.04629			
Observation end date	2002-04-17T23:34:36	2002-04-17T12:56:54			
Read mode	TIMED	TIMED			

2.3 Aspect



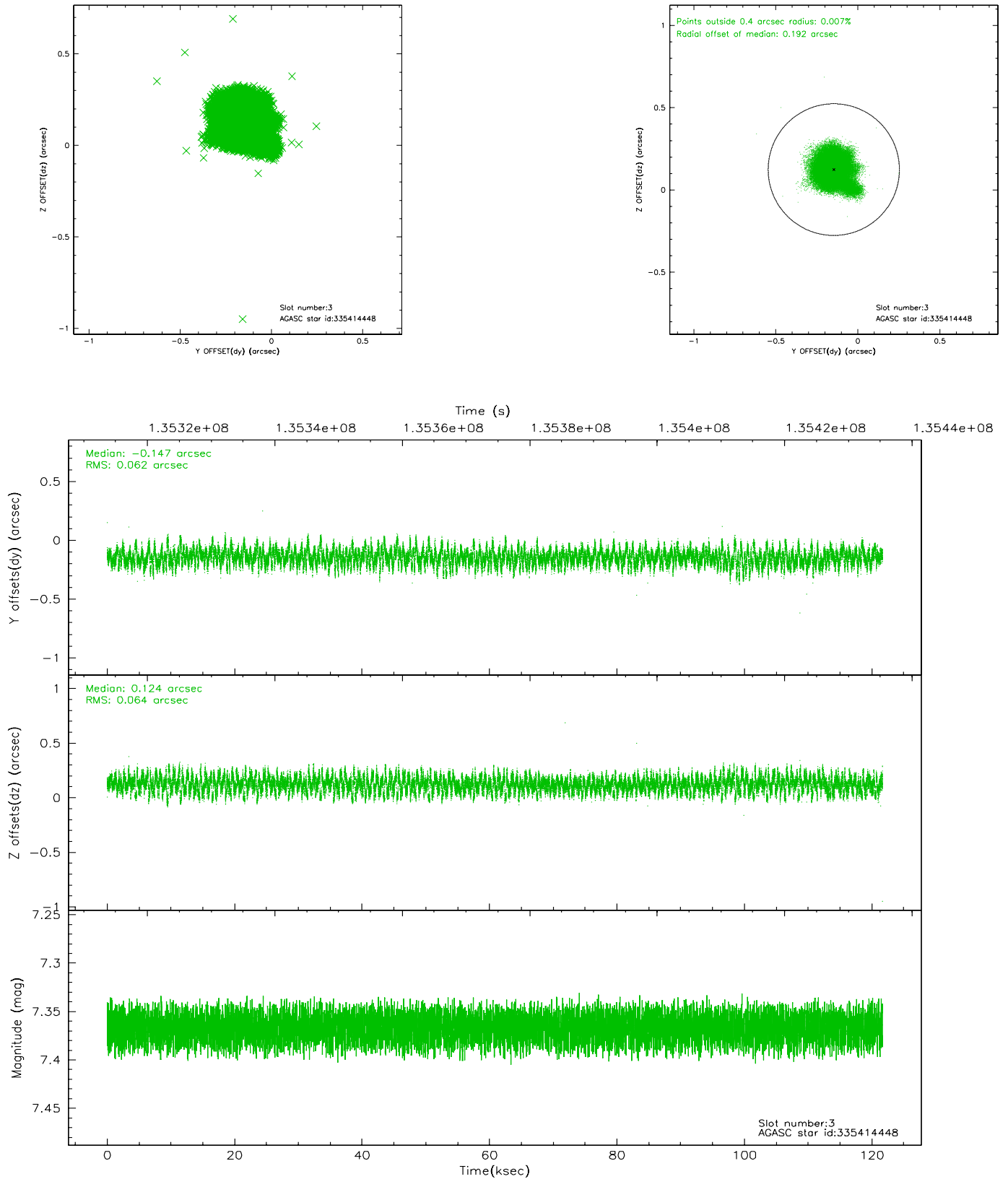


### Slot Statistics

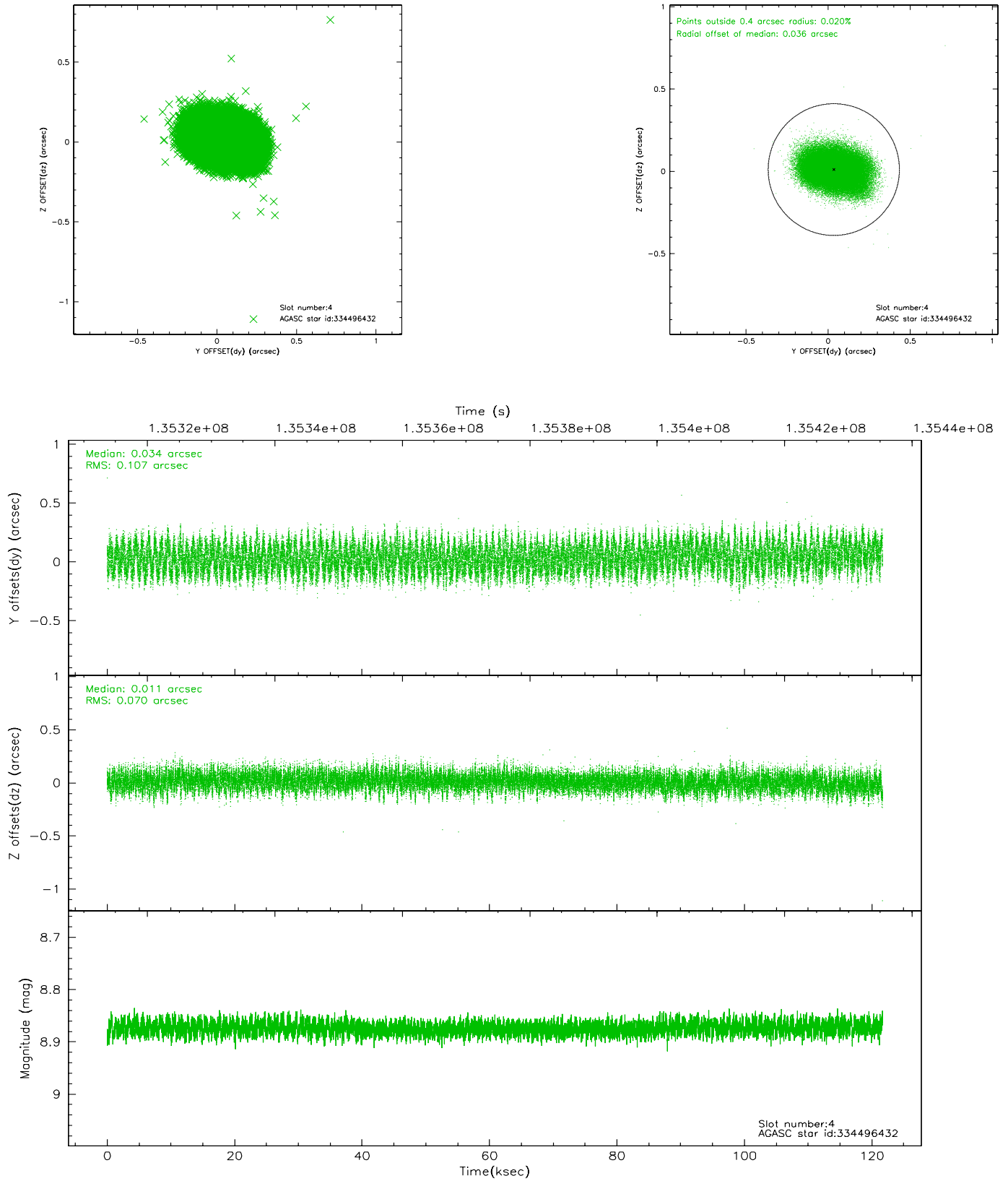
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	29680	-0.026	0.035	0.009	0.019	0.000000	0.000000	937.30	-829.76
1	FID	ACIS-I-5	7.24	29677	-0.021	0.034	0.009	0.019	0.000000	0.000000	-1810.83	1067.83
2	FID	ACIS-I-6	7.26	29677	-0.044	0.001	0.008	0.023	0.000000	0.000000	402.98	1712.14
3	GUIDE	335414448	7.37	59363	-0.147	0.124	0.094	0.157	216.992261	35.577204	-1576.70	-370.60
4	GUIDE	334496432	8.87	59357	0.034	0.011	0.138	0.215	215.867635	36.250052	2263.04	-1742.22
5	GUIDE	335418800	10.00	59098	0.044	-0.109	0.161	0.258	216.219343	35.536892	547.55	425.97
6	GUIDE	335417648	10.41	58875	0.092	0.083	0.265	0.440	216.000046	36.018960	1657.31	-1053.95
7	GUIDE	334496656	9.85	59335	-0.034	-0.102	0.156	0.258	215.929218	35.031287	844.83	2413.69

## 2.4 Star Slots

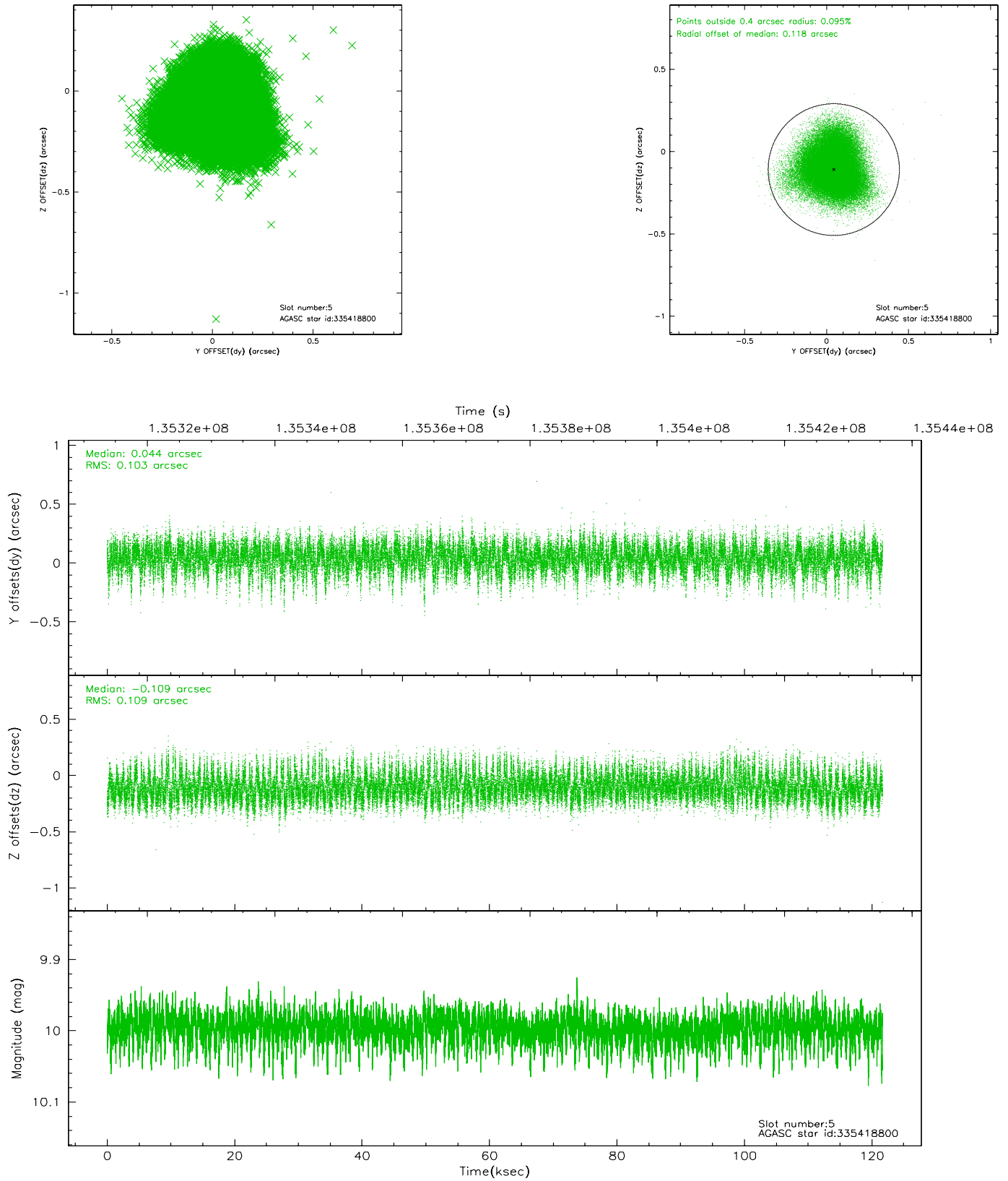
### 2.4.1 Slot 3



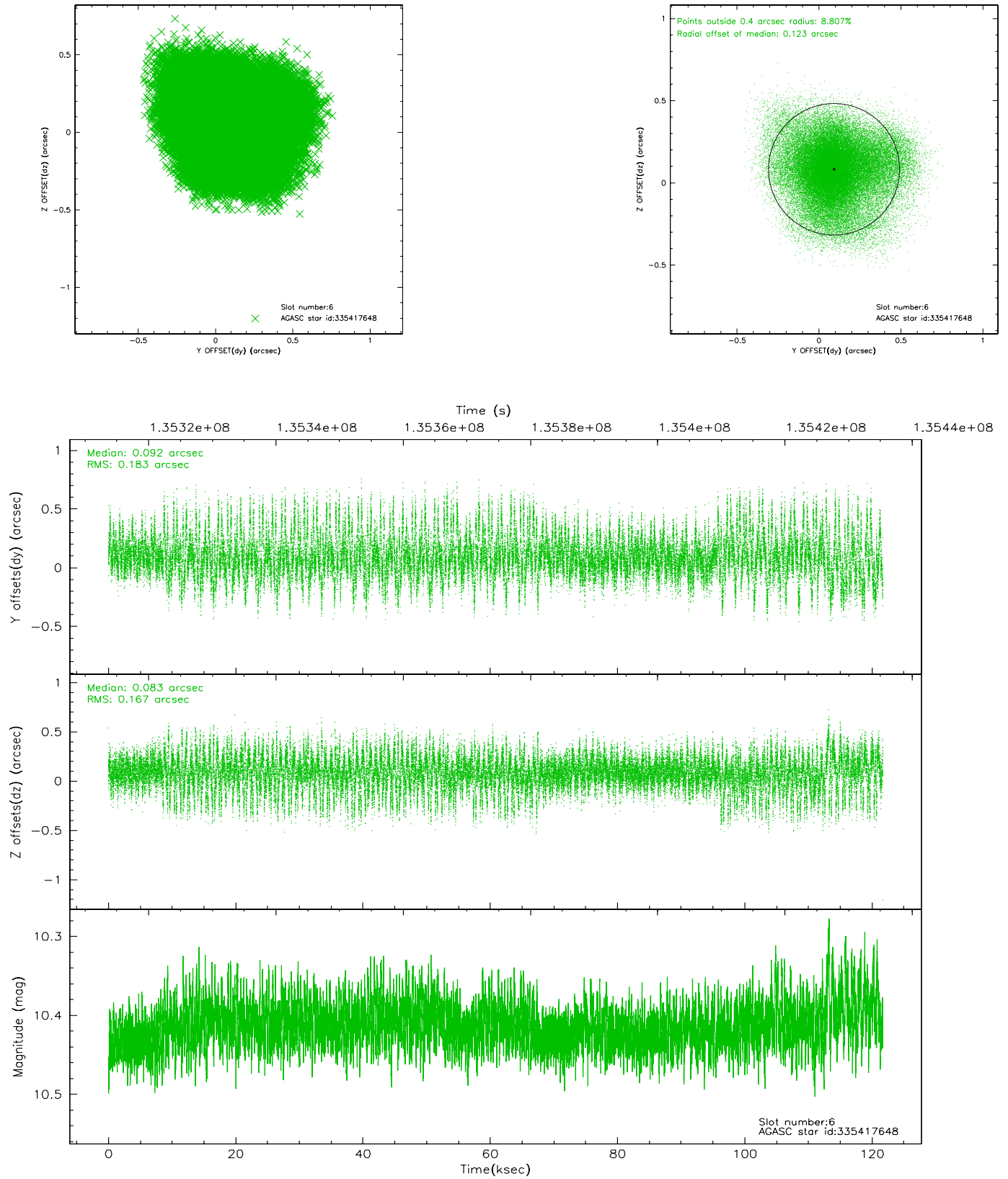
## 2.4.2 Slot 4



### 2.4.3 Slot 5

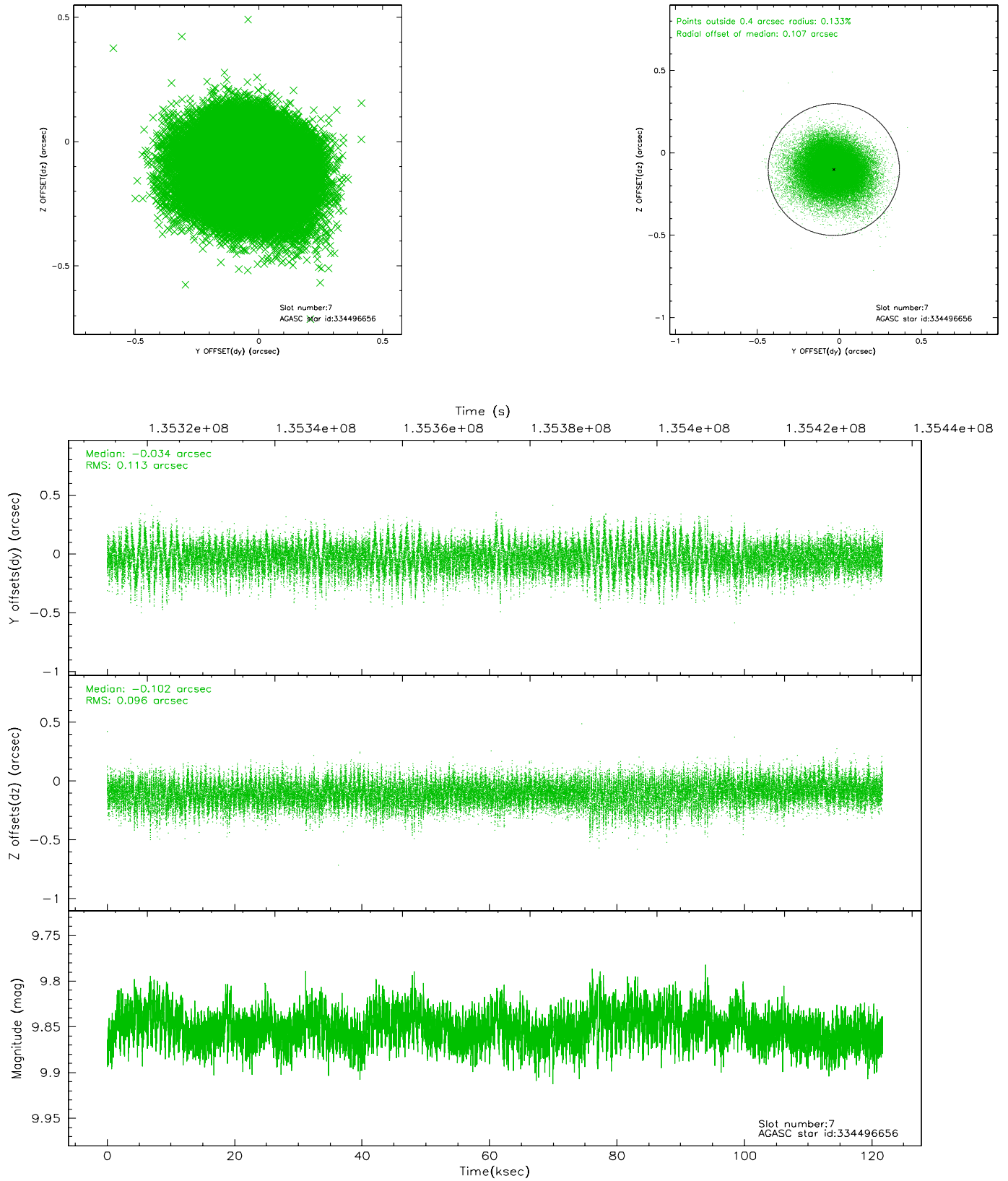


## 2.4.4 Slot 6



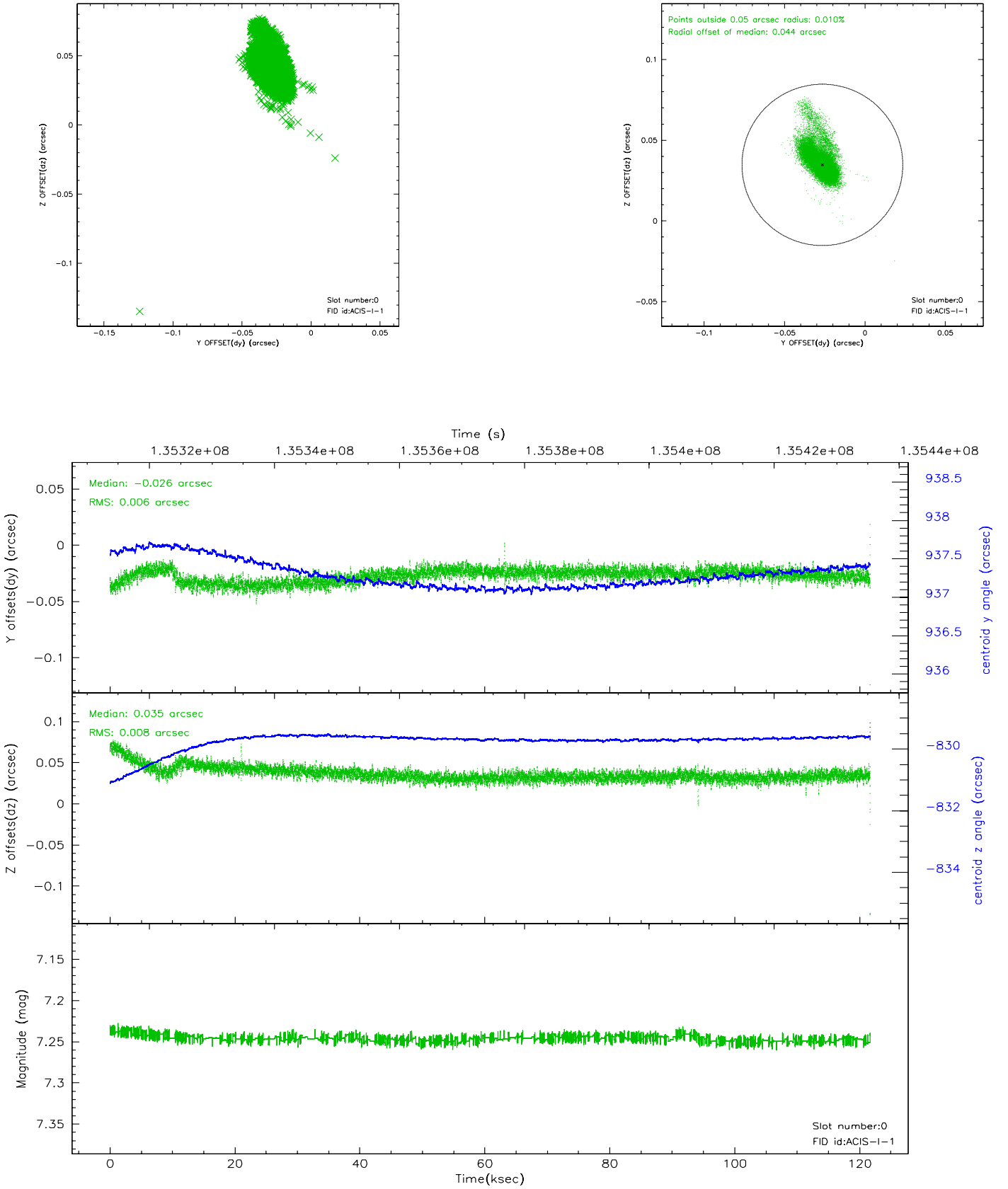


## 2.4.5 Slot 7

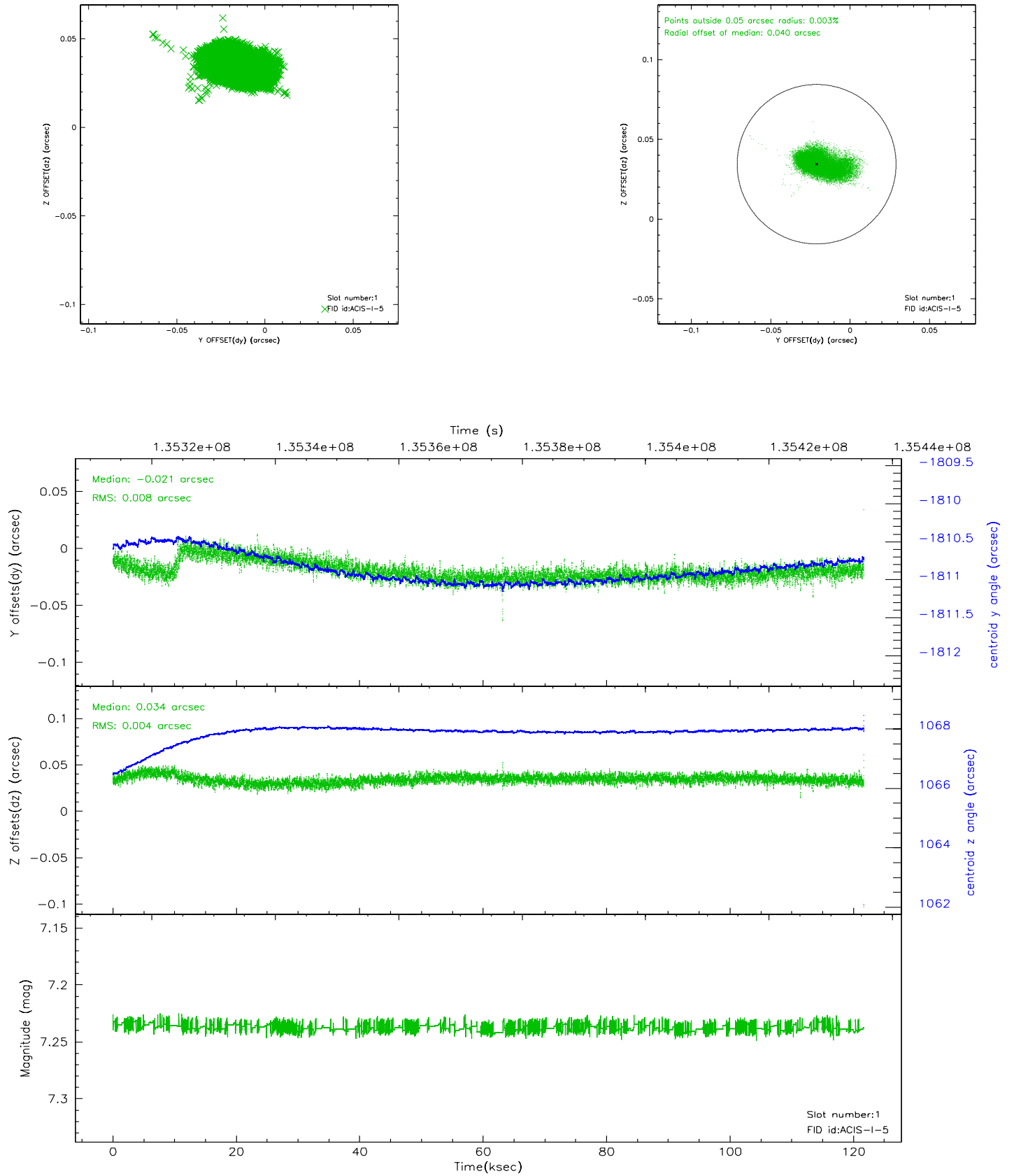


## 2.5 FID Slots

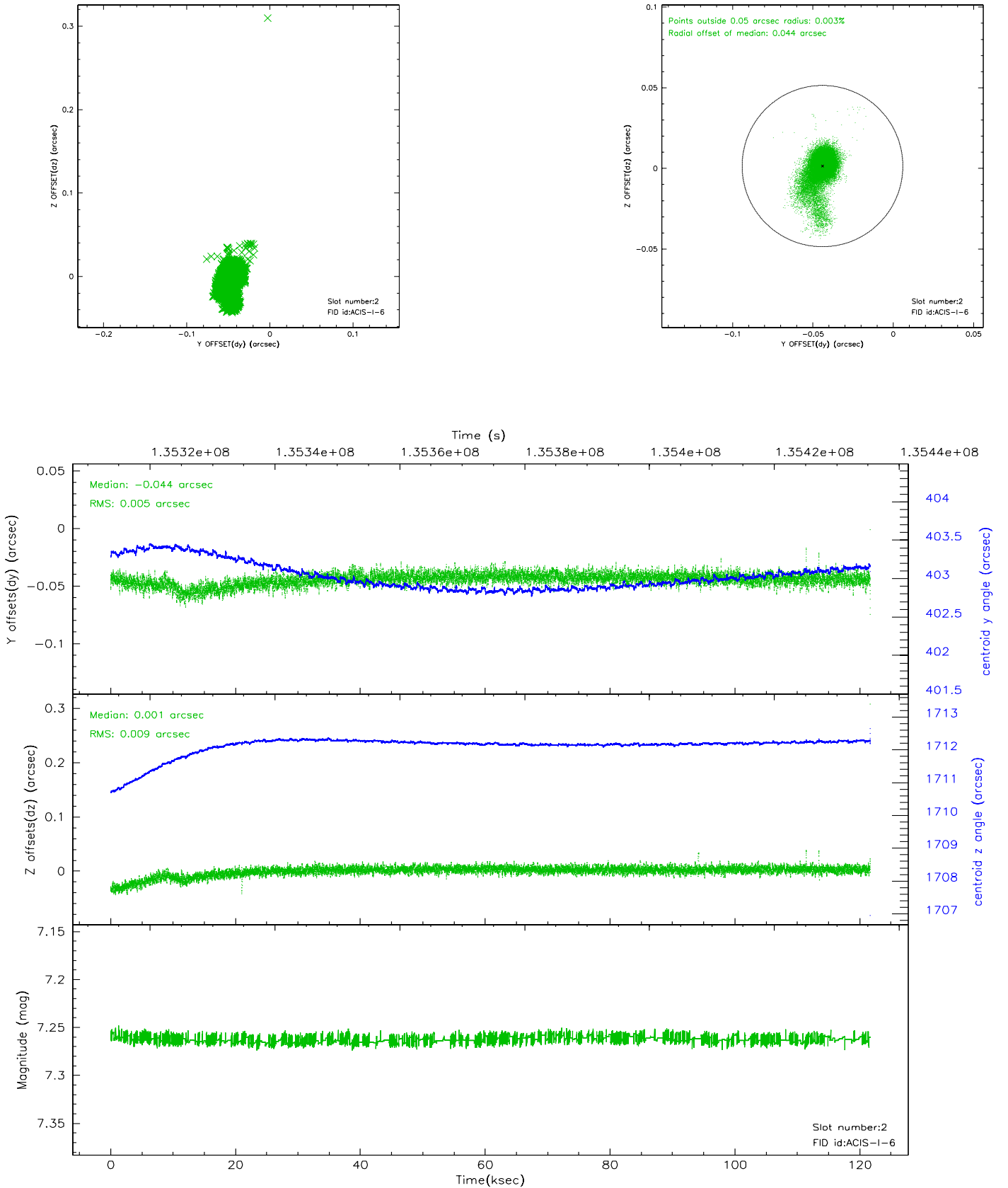
### 2.5.1 Slot 0



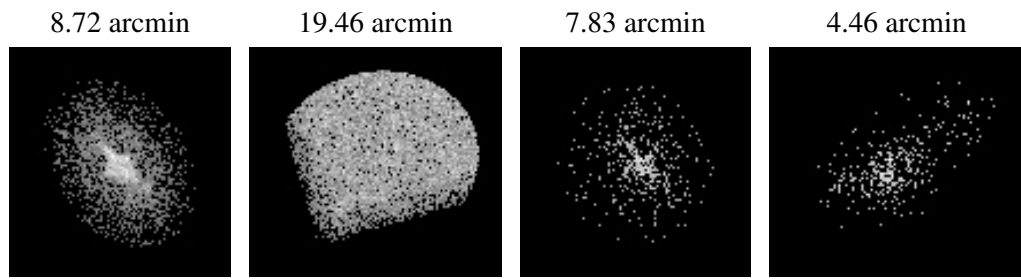
## 2.5.2 Slot 1



### 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	121.647

### A.2 Comments

This observation was interrupted by safing of the science instruments due to high solar radiation environment. The observation was interrupted at 2002:107:12:55.