

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5703 - L2 Version 002  
Chandra X-Ray Center

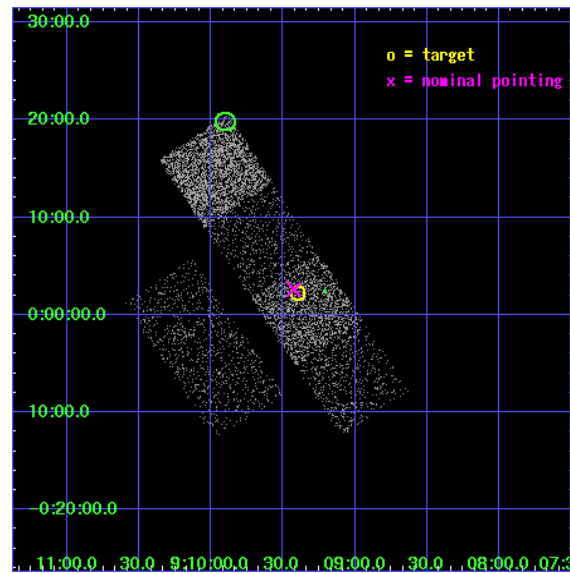
L2 Processing Date : Apr 7 2006

## 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

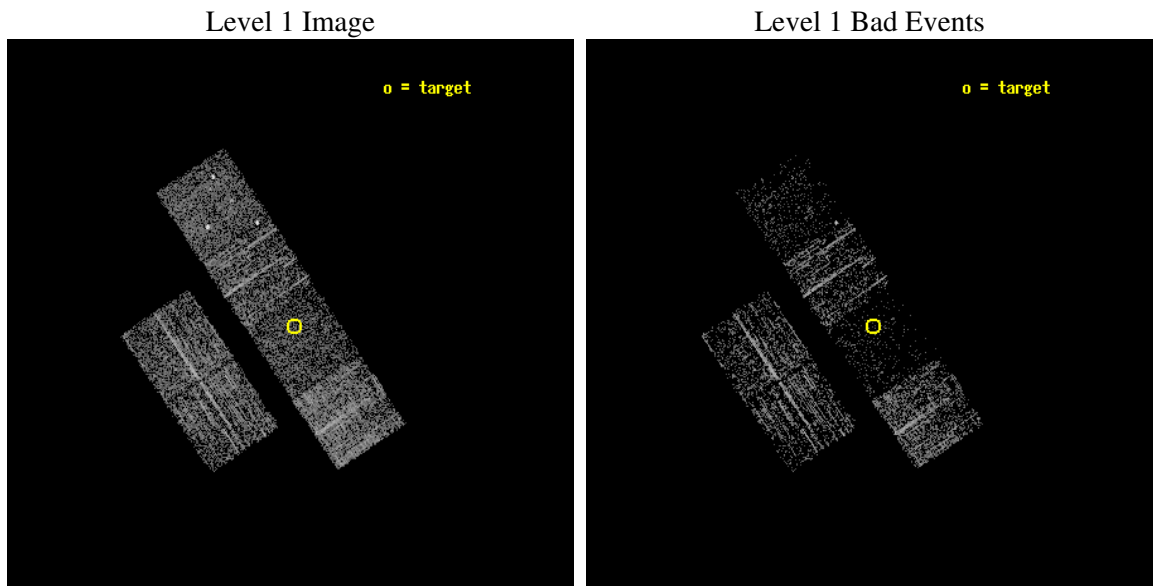
seq_num	701125
obs_id	5703
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs
observer	Dr. Scott Anderson
object	SDSS J090924.01+000211.0
dtcycle	0
cycle	P
ra_targ	137.35
dec_targ	0.036389
ra_nom	137.35632292957
dec_nom	0.04324750372445
roll_nom	56.238708244177
revision	2
ontime	1353.5999949574
livetime	1336.4598967812
ontime2	1353.5999949574
ontime3	1353.5999949574
ontime5	1353.5999949574
ontime6	1353.5999949574
ontime7	1353.5999949574
ontime8	1350.3590146899
l2events	7530



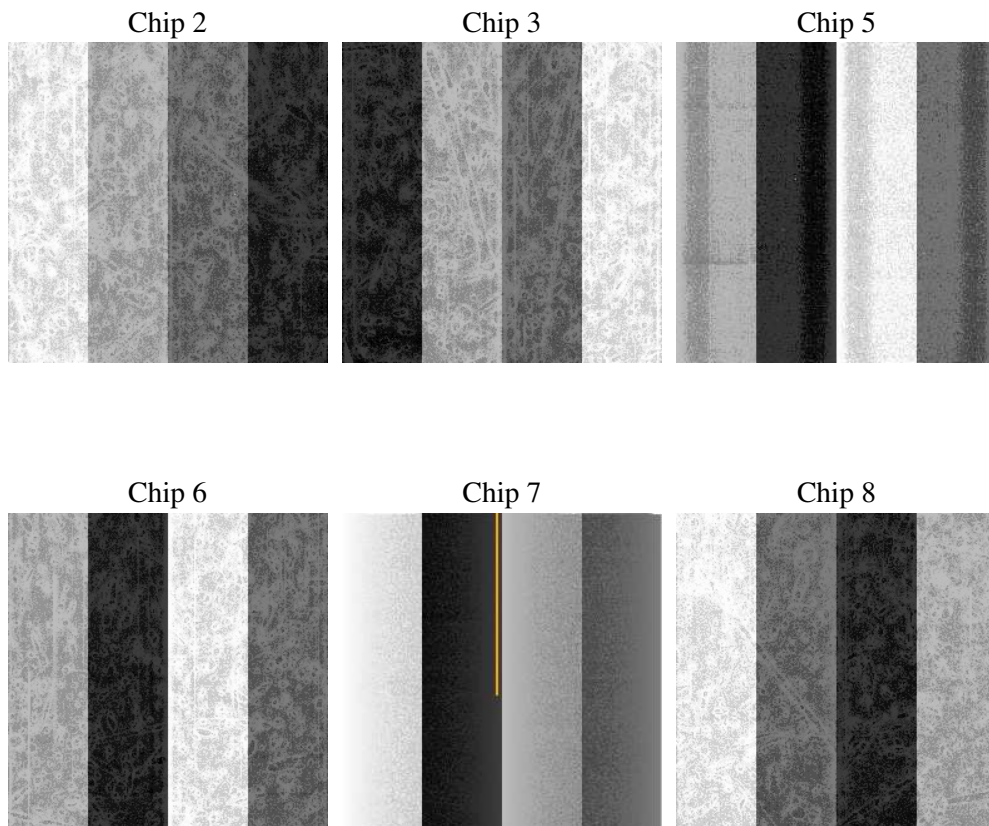
## 2 OBI

### 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	2006-04-07T18:14:33
revision	2

sched_exp_time	1600.000000
ontime	1357.9835513234
ontime2	1357.9835314155
ontime3	1357.9835314155
ontime5	1357.9835314155
ontime6	1357.9835314155
ontime7	1357.9835513234
ontime8	1357.9835712314
l1events	44096

### 2.1.4 Events

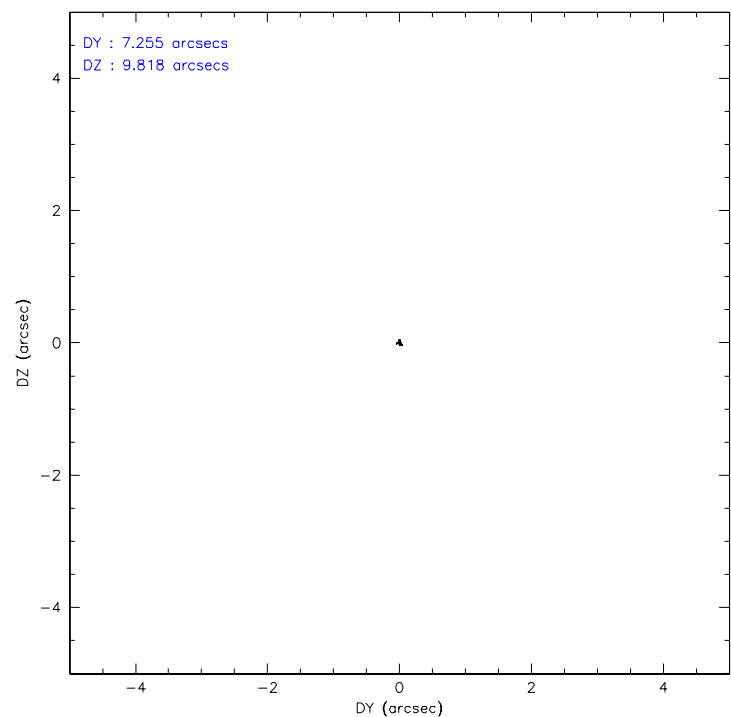
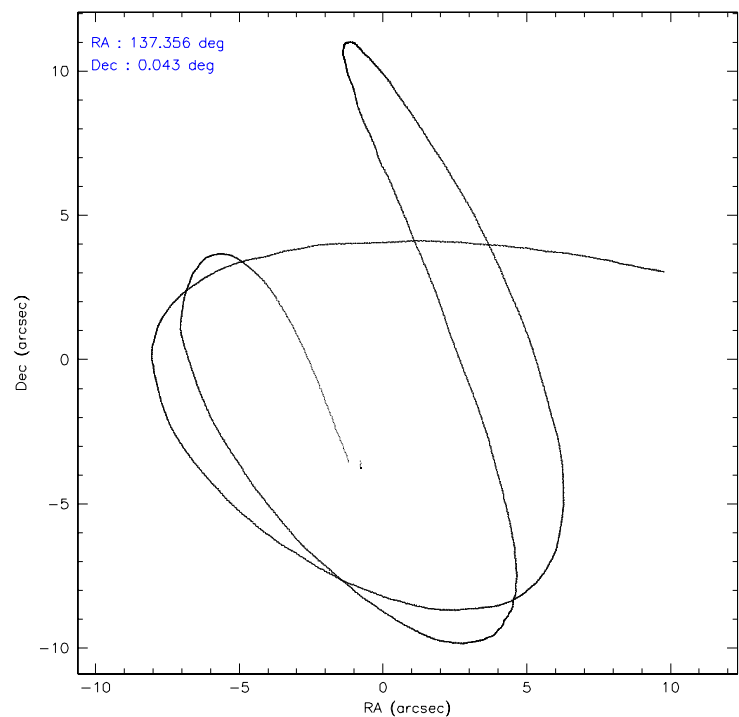
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7529	7640	7023	7084	4029	10791
rejected events	6885	7076	2670	6446	1789	8839
rejected %	91%	92%	38%	90%	44%	81%

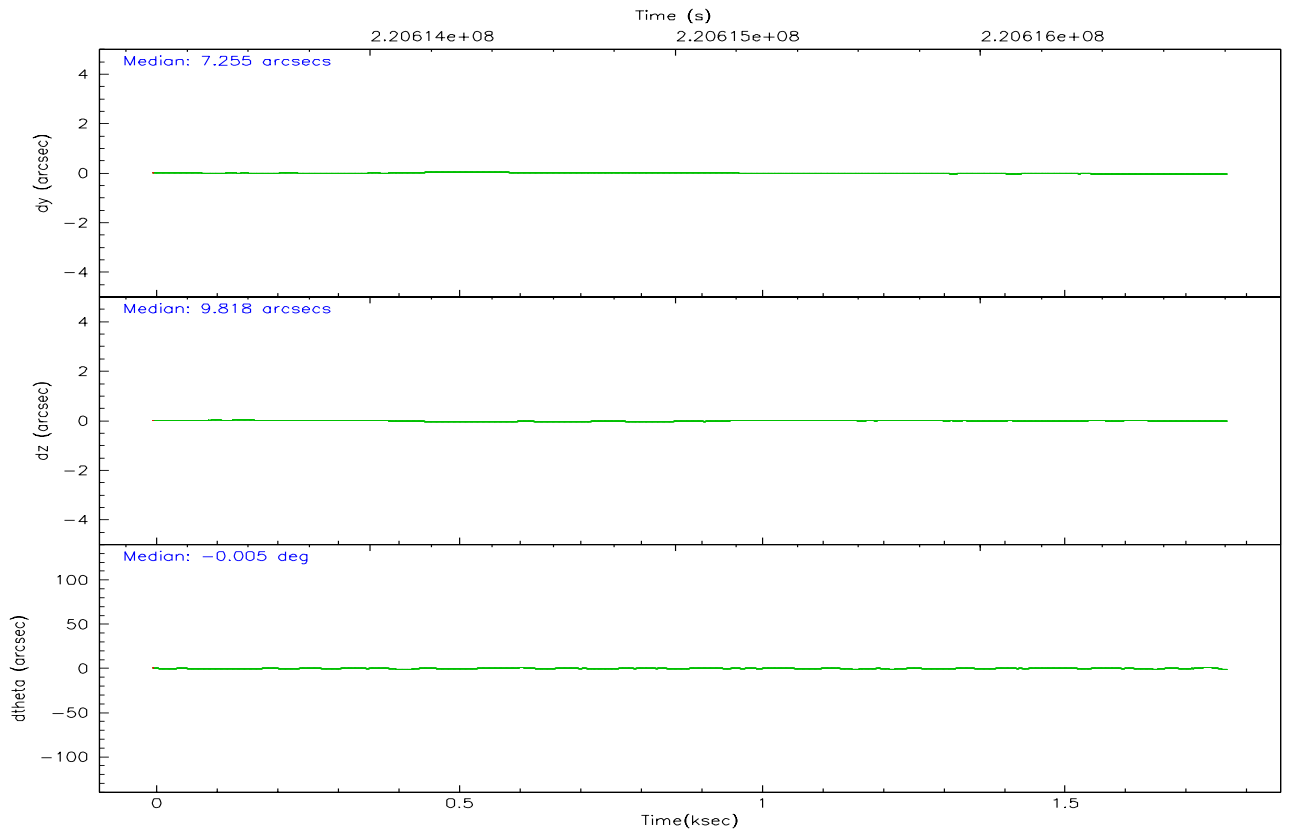
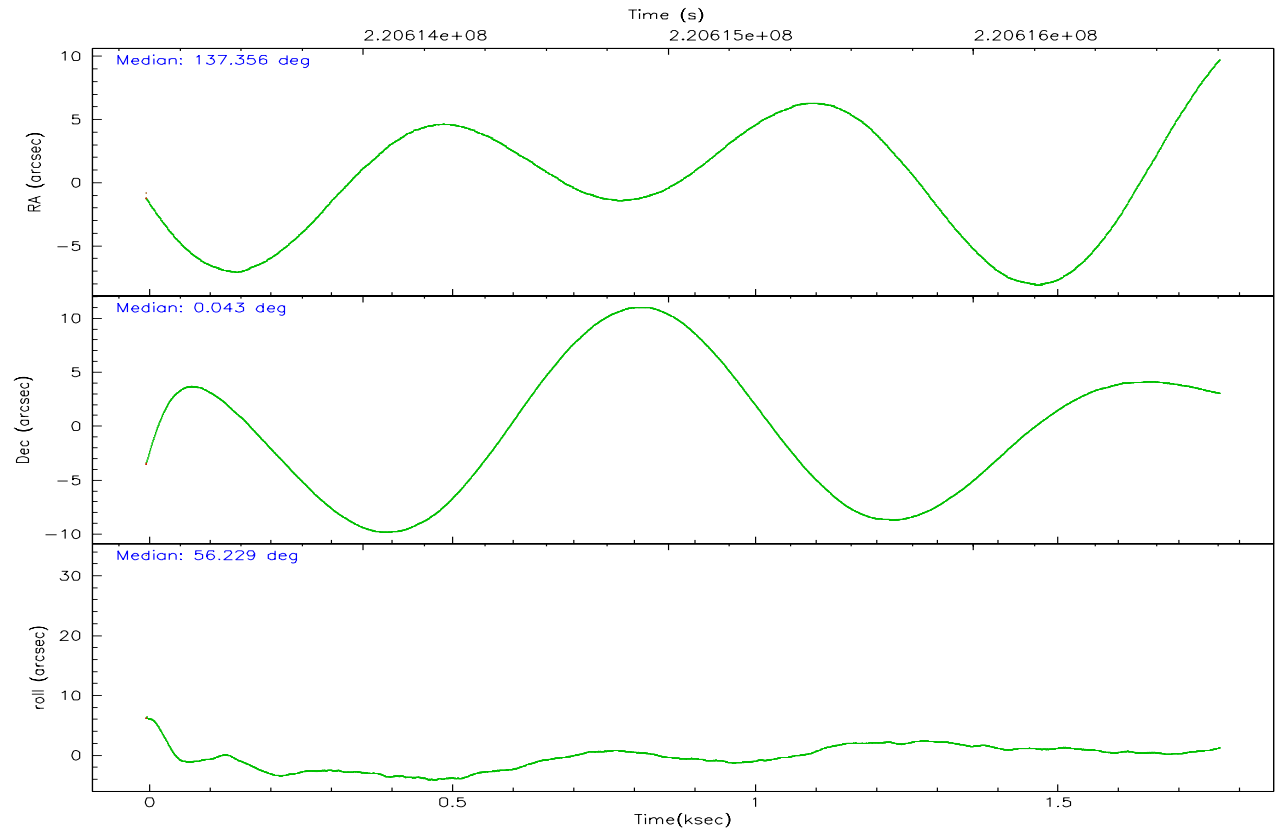
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	258	216	785	250	209	557
	3%	2%	11%	3%	5%	5%
grade 1 events	4	1	46	7	3	13
	0%	0%	0%	0%	0%	0%
grade 2 events	150	123	1395	136	655	440
	1%	1%	19%	1%	16%	4%
grade 3 events	73	78	145	84	176	244
	0%	1%	2%	1%	4%	2%
grade 4 events	73	72	157	72	177	253
	0%	0%	2%	1%	4%	2%
grade 5 events	110	145	443	120	333	230
	1%	1%	6%	1%	8%	2%
grade 6 events	92	79	1902	99	1043	464
	1%	1%	27%	1%	25%	4%
grade 7 events	6769	6926	2150	6316	1433	8590
	89%	90%	30%	89%	35%	79%

## 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	137.355279	137.3563229295706	Alternating exposures requested	N	N
Pointing Dec	0.016163	0.04324750372445048	Primary exposure time	0.000000	3.2
Pointing Roll	56.082008	56.23870824417725			
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	220614311.184000	220613129.36046			
Observation start date	2004-12-28T09:44:07	2004-12-28T09:25:29			
Observation end time	220615911.184000	220616859.84813			
Observation end date	2004-12-28T10:10:47	2004-12-28T10:27:39			
Read mode	TIMED	TIMED			

### 2.3 Aspect





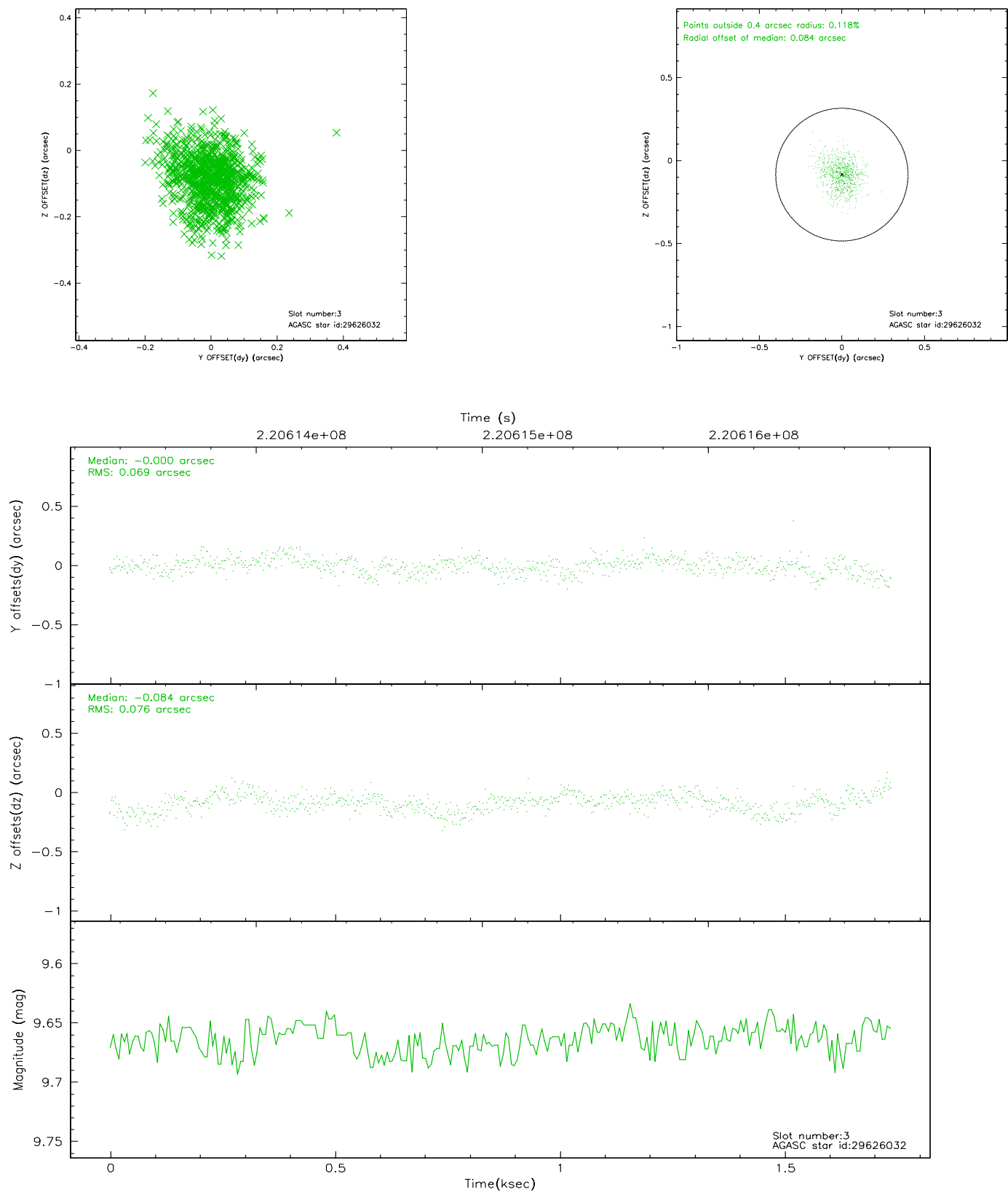
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	433	-0.038	-0.008	0.006	0.009	0.000000	0.000000	-760.01	-1731.08
1	FID	ACIS-S-4	7.20	432	0.061	0.020	0.005	0.009	0.000000	0.000000	2151.63	173.65
2	FID	ACIS-S-5	7.24	433	-0.055	-0.003	0.006	0.009	0.000000	0.000000	-1808.14	171.44
3	GUIDE	29626032	9.66	849	-0.000	-0.084	0.108	0.174	137.414003	0.223040	737.21	239.52
4	GUIDE	29626768	8.25	866	-0.016	-0.010	0.058	0.098	136.888189	0.063238	-795.89	1489.95
5	GUIDE	639501600	9.66	866	-0.048	0.191	0.138	0.211	137.692031	-0.173298	111.00	-1385.27
6	GUIDE	639508320	9.41	866	0.116	-0.191	0.080	0.124	137.148148	-0.283173	-1308.85	14.95
7	GUIDE	639508480	8.59	865	-0.052	0.099	0.085	0.137	137.375691	-0.398425	-1198.33	-895.04

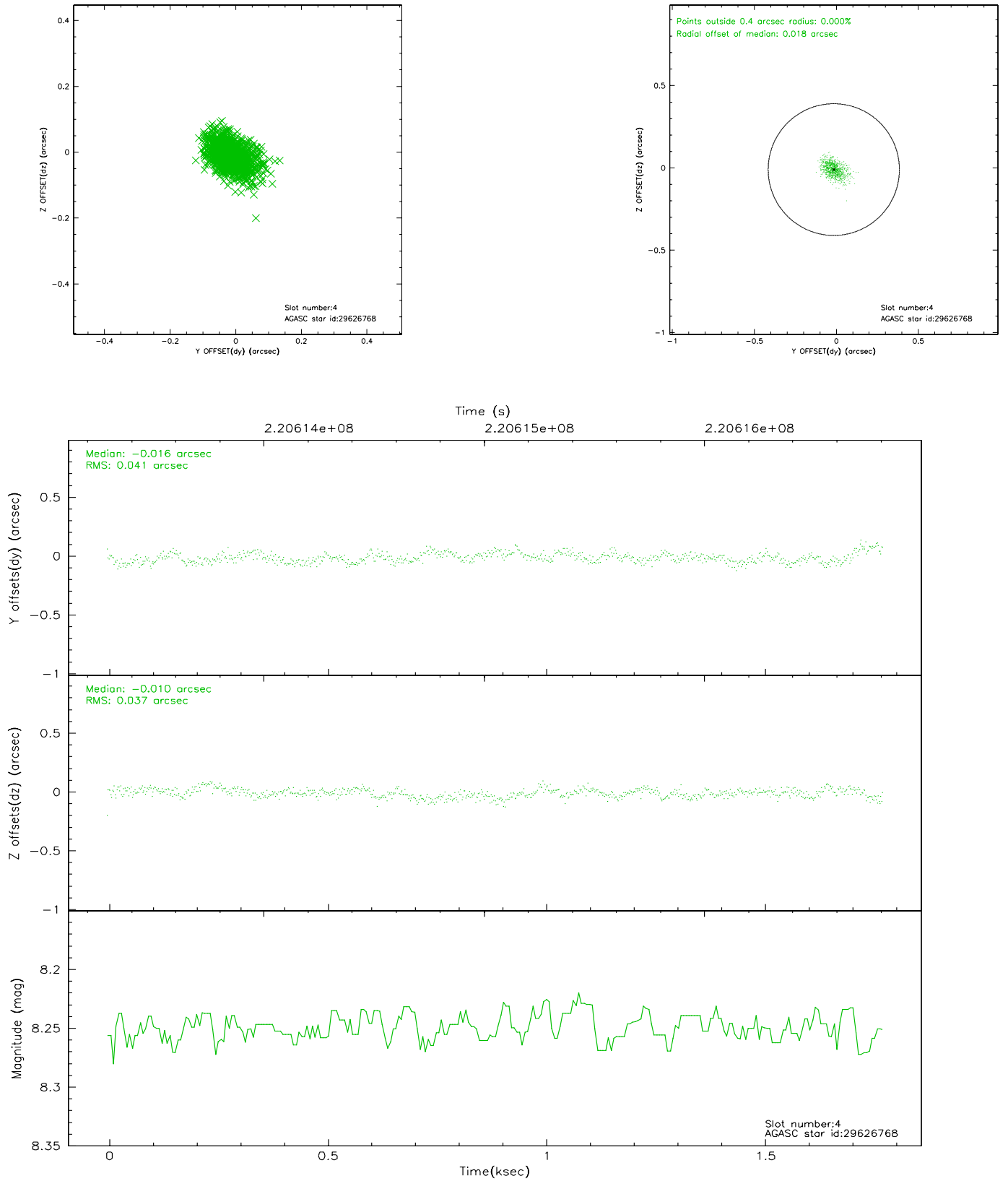


## 2.4 Star Slots

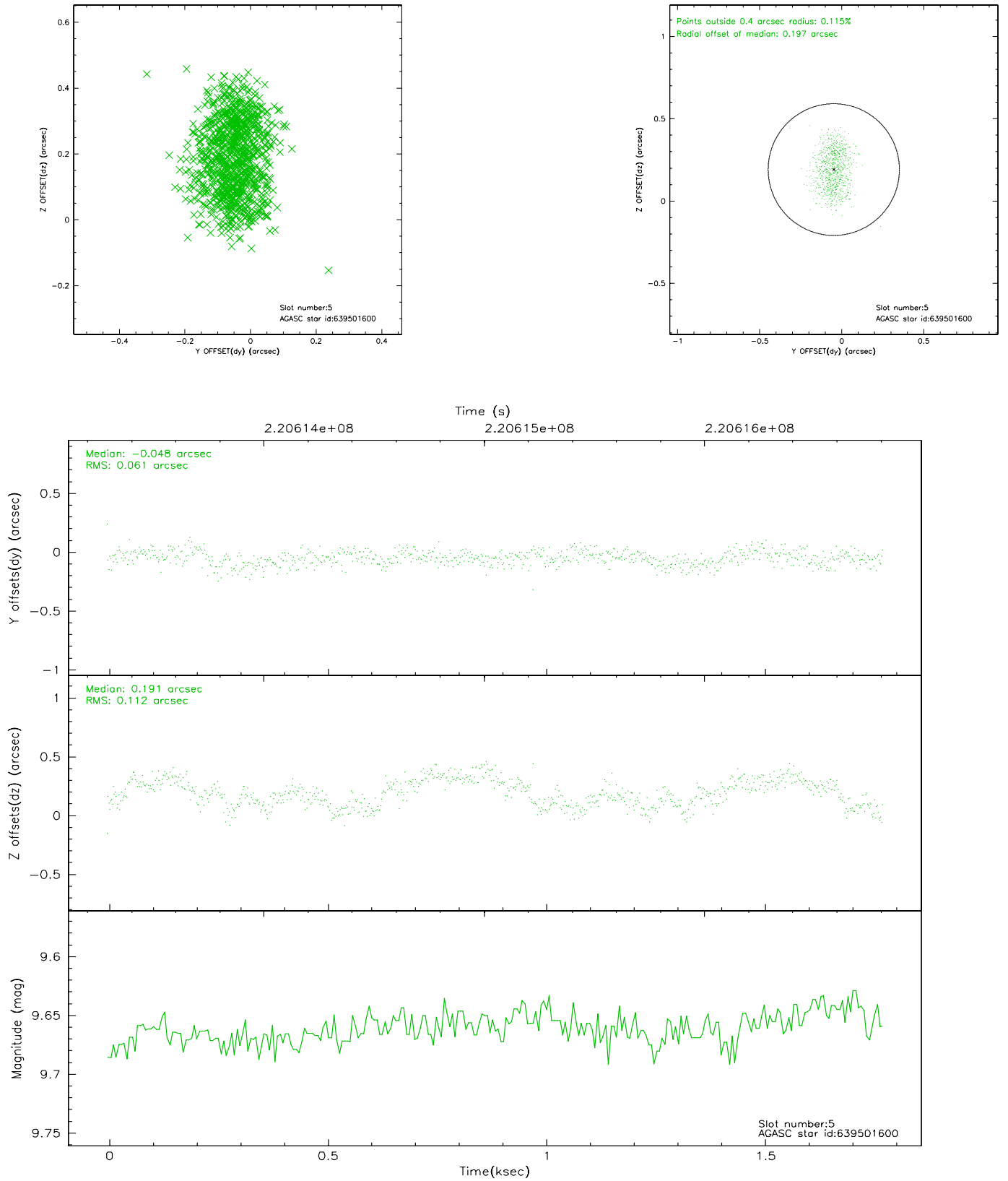
### 2.4.1 Slot 3



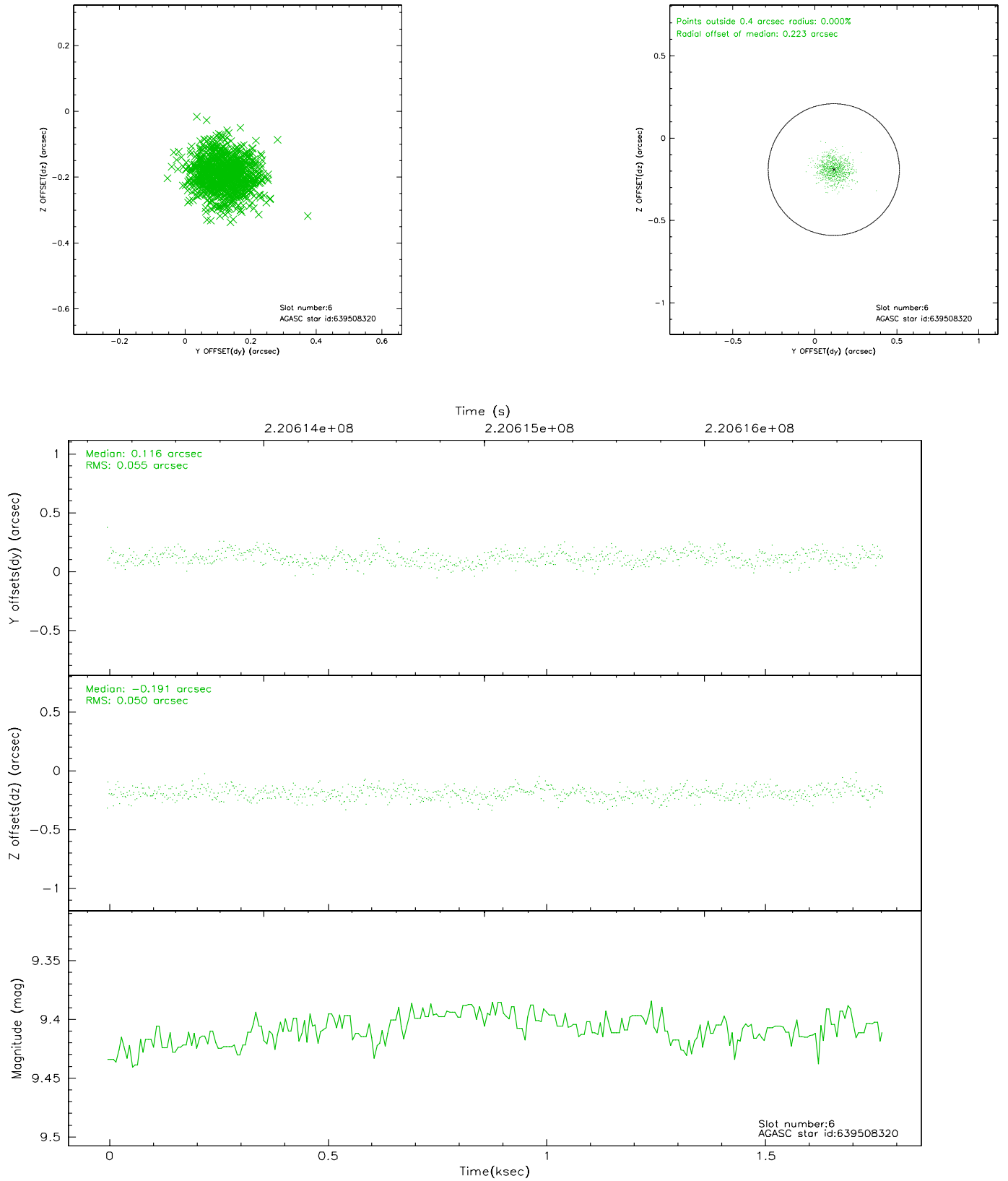
## 2.4.2 Slot 4



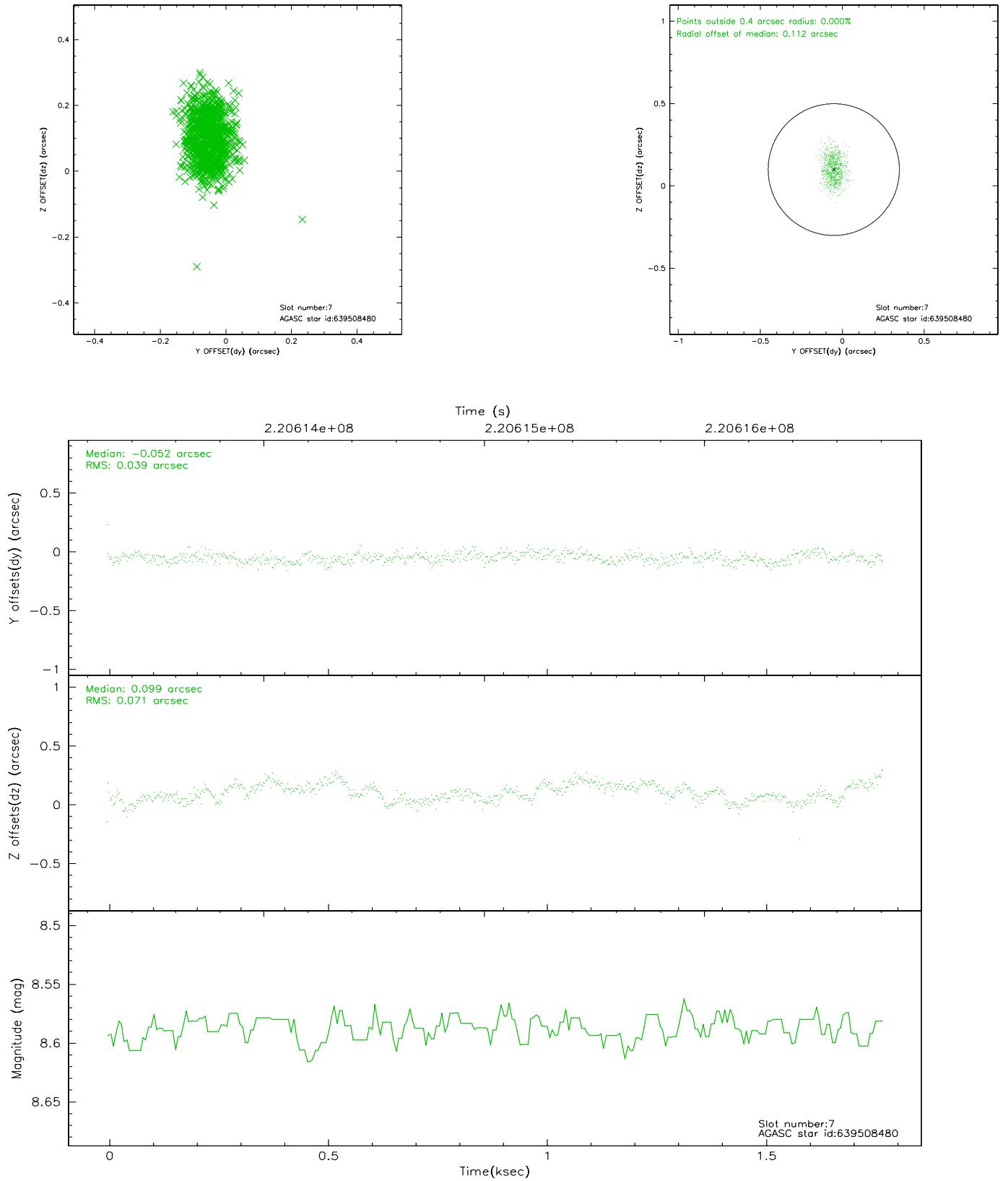
### 2.4.3 Slot 5



## 2.4.4 Slot 6

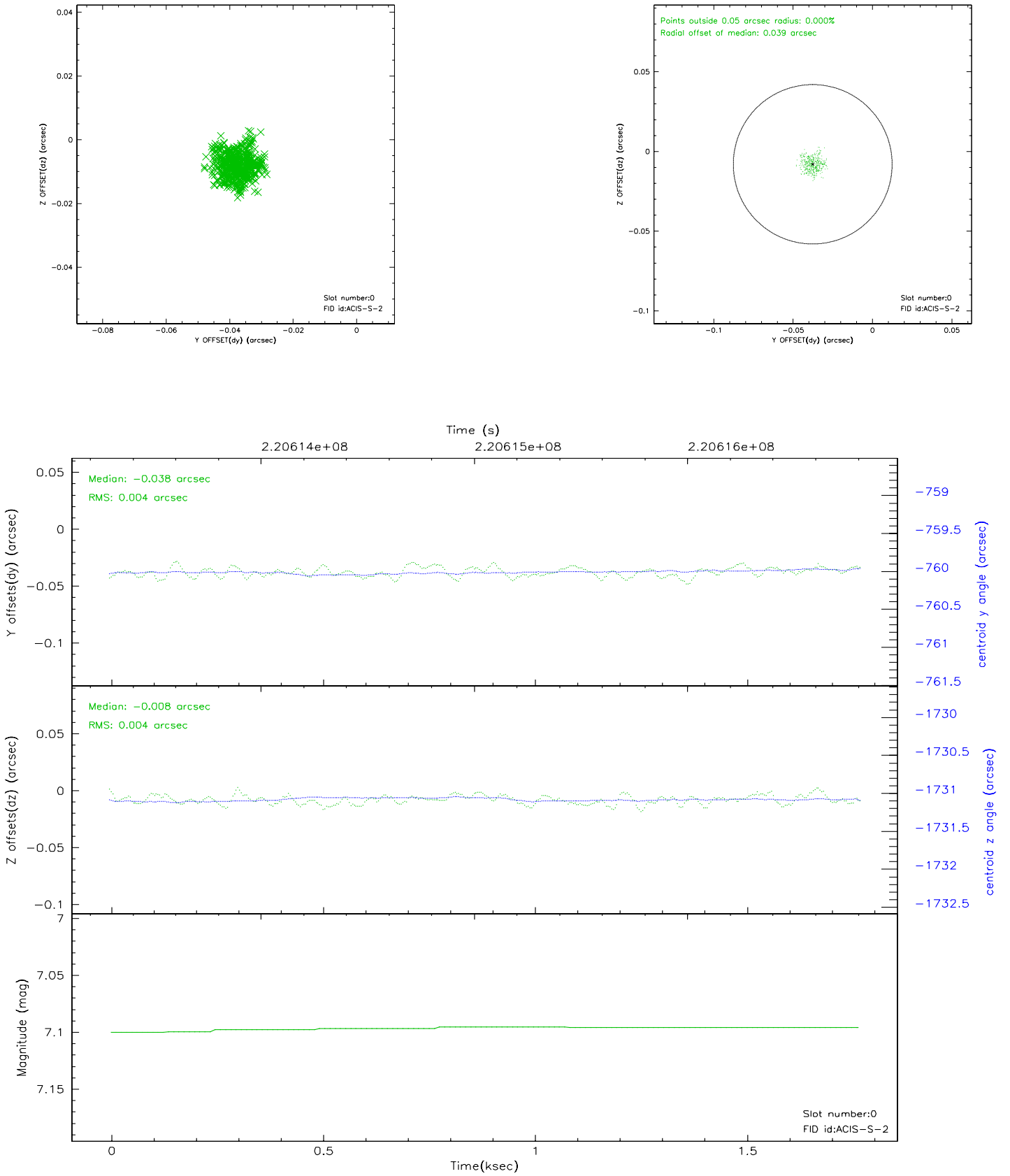


## 2.4.5 Slot 7

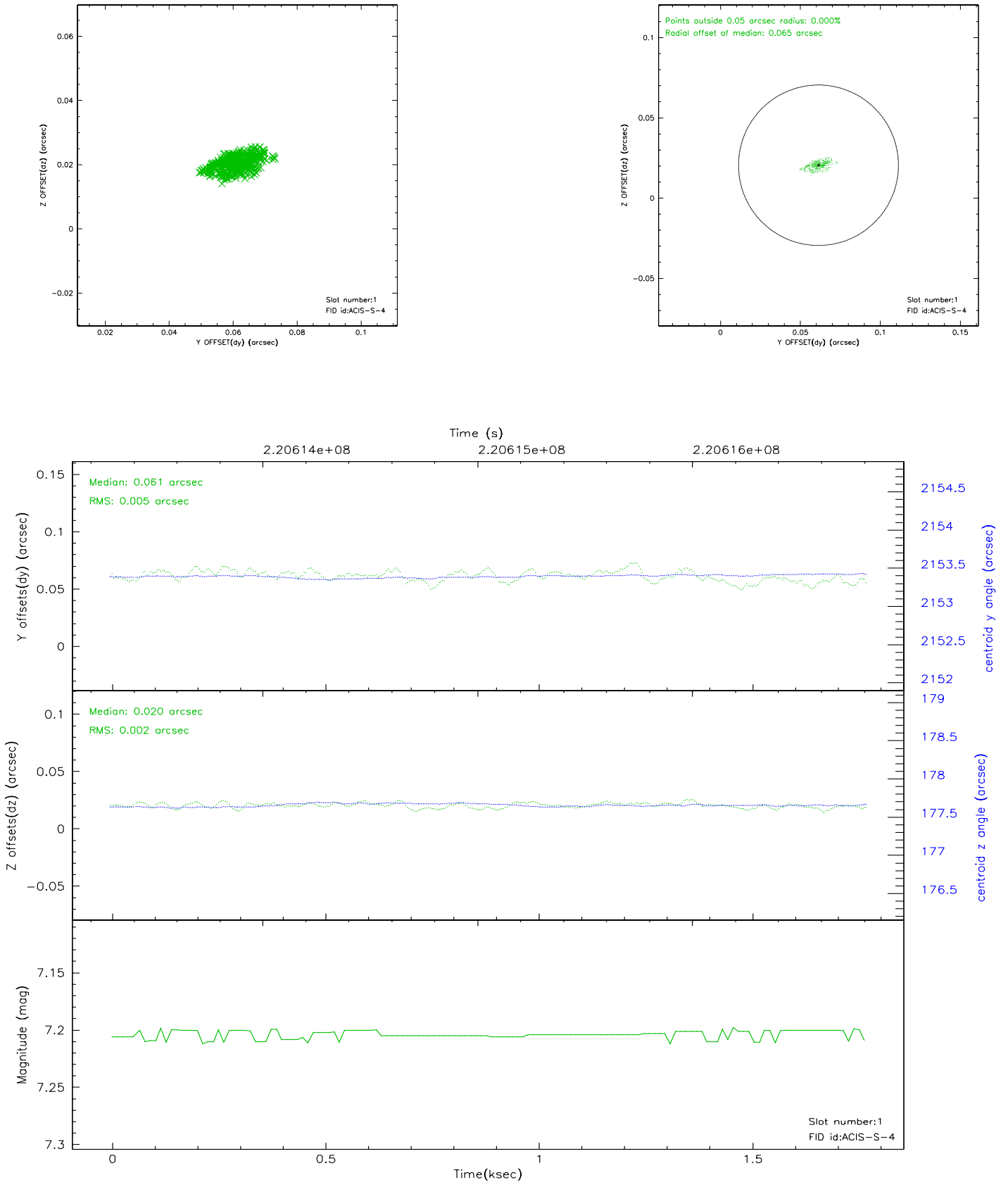


## 2.5 FID Slots

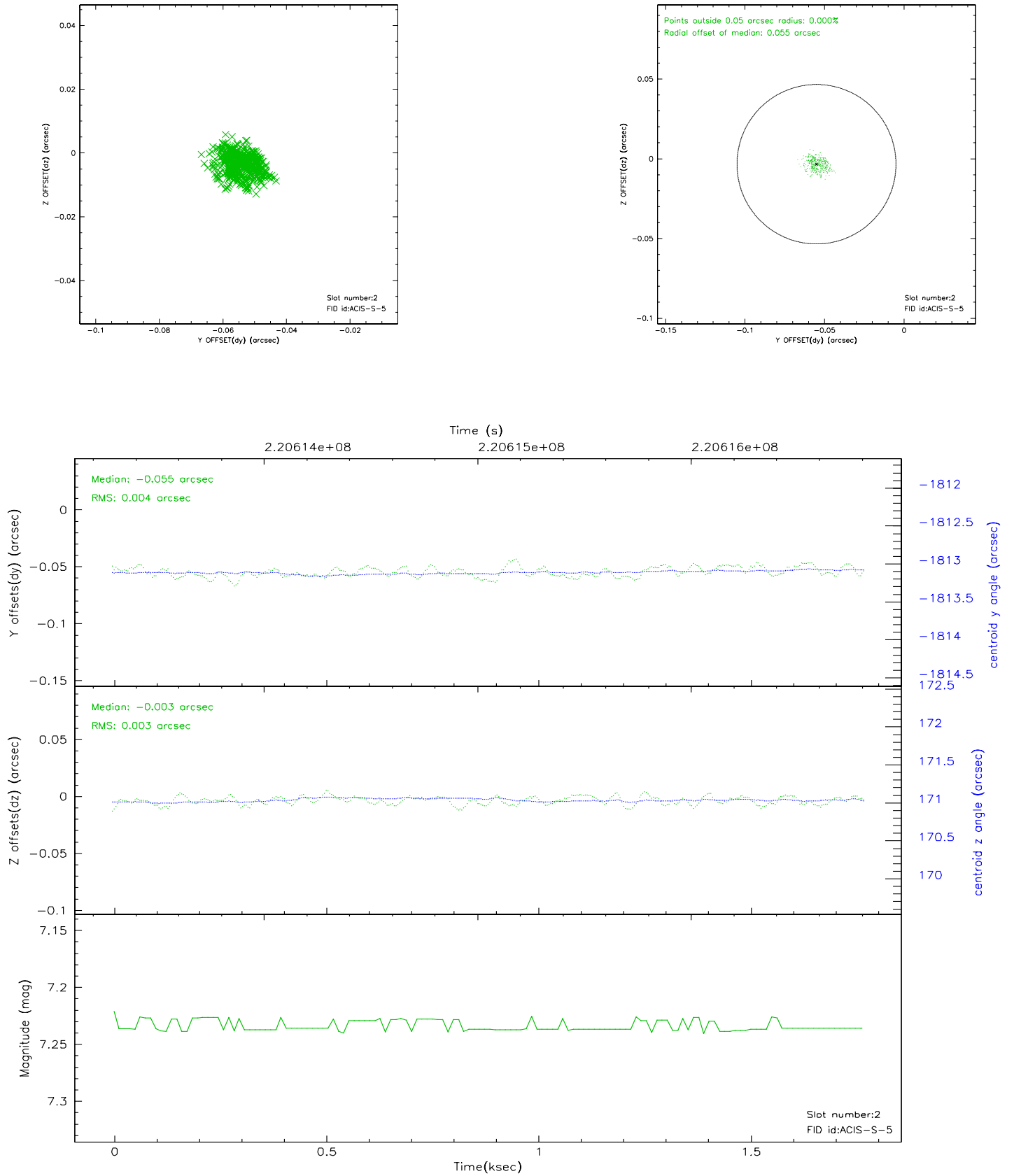
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

18.61 arcmin



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.353599

### A.2 Comments