

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2184 - L2 Version 001  
Chandra X-Ray Center

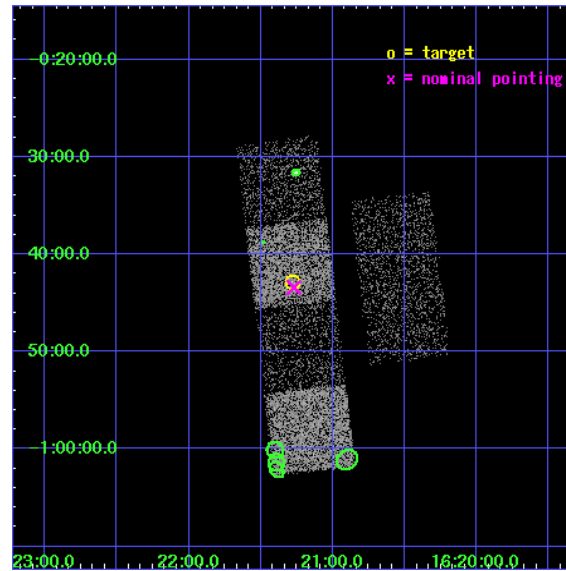
L2 Processing Date : Dec 30 2006

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# 1 Front

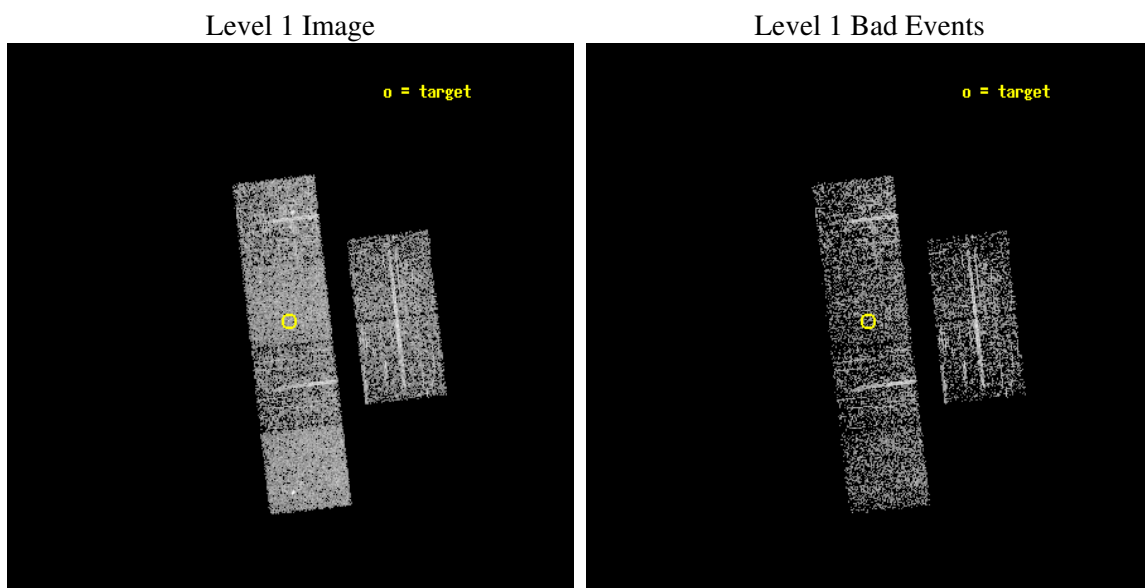
seq_num	700374
obs_id	2184
title	SURVEY OF RADIO QUIET Z>4 QUASARS
observer	Dr. Jill Bechtold
object	SDSS1621-0042
dtcycle	0
cycle	P
ra_targ	245.320417
dec_targ	-0.714194
ra_nom	245.31752409727
dec_nom	-0.72351471786061
roll_nom	263.3905450771
revision	2
ontime	1587.2000014782
livetime	1567.1019193624
ontime2	1587.2000014782
ontime3	1587.2000014782
ontime5	1587.2000014782
ontime6	1587.2000014782
ontime7	1587.2000014782
ontime8	1587.2000014782
l2events	15536



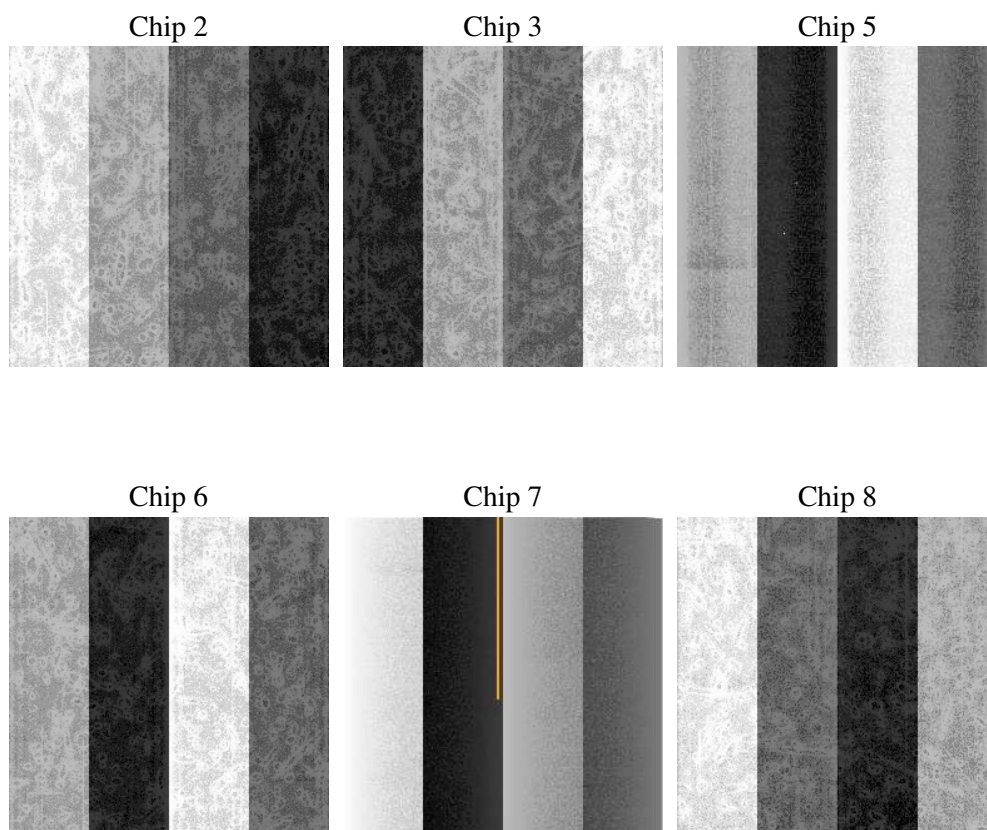
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-31T01:32:05
revision	2

sched_exp_time	1500.000000
ontime	1591.3313230872
ontime2	1591.3313230872
ontime3	1591.3313230872
ontime5	1591.3313529938
ontime6	1591.3313230872
ontime7	1591.3313230872
ontime8	1591.3313230872
l1events	71050

### 2.1.4 Events

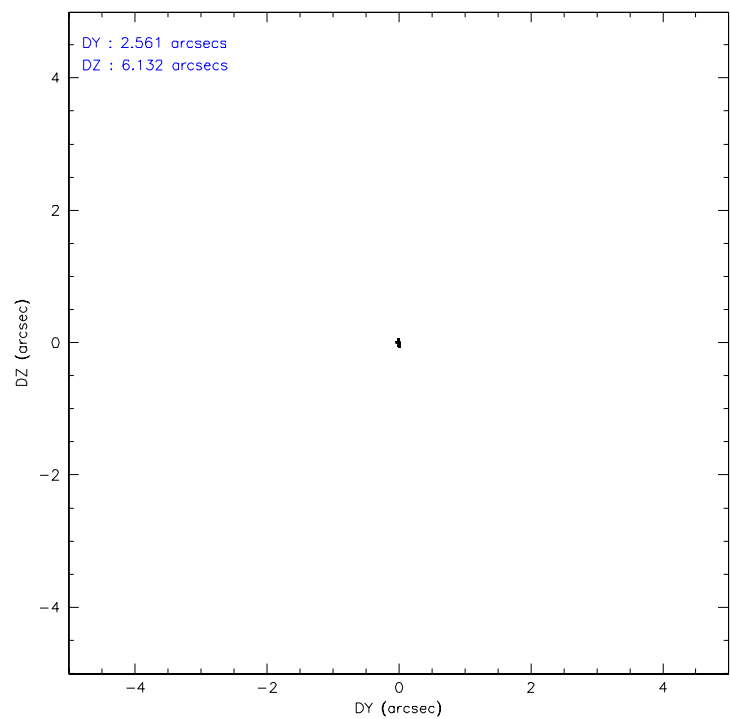
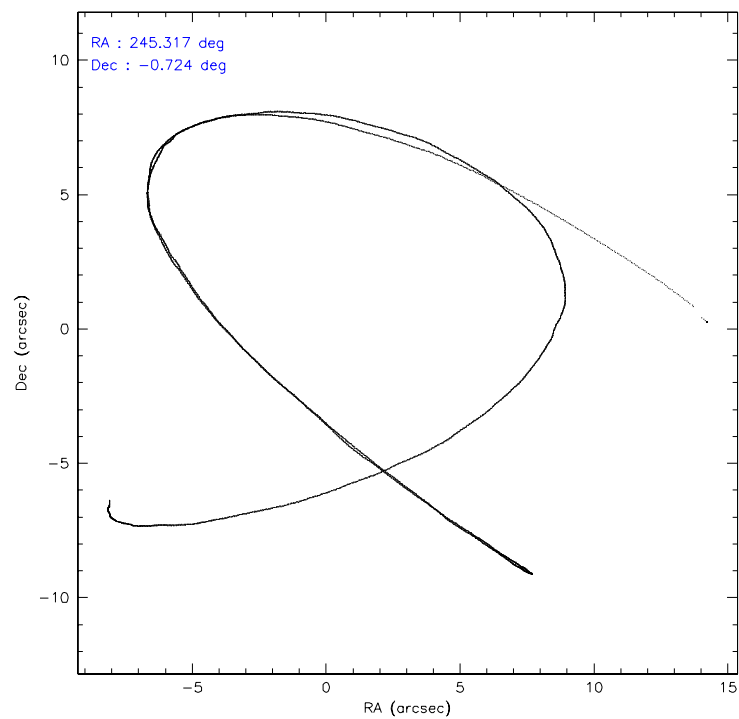
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10458	9854	14222	9941	13367	13208
rejected events	9237	8697	7987	8764	8064	10466
rejected %	88%	88%	56%	88%	60%	79%

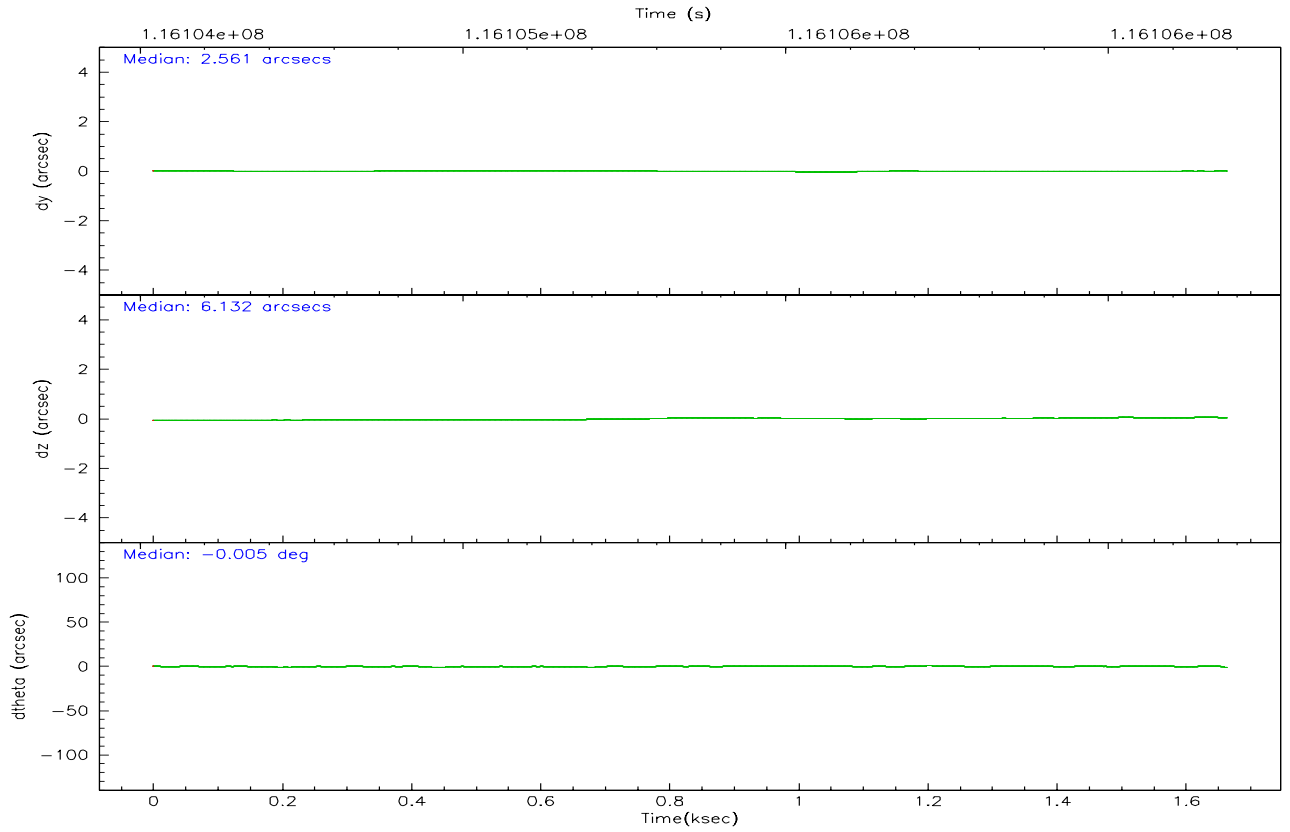
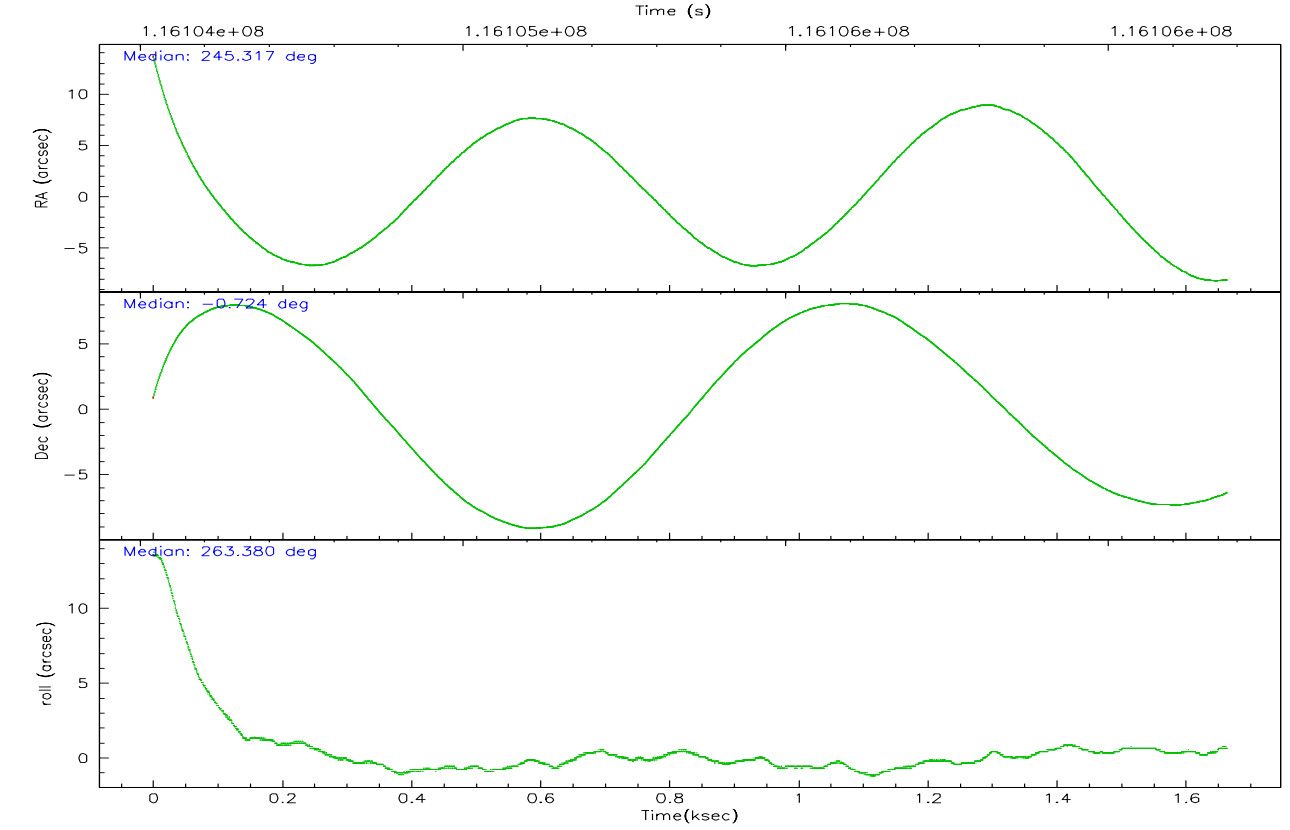
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	514	498	510	497	397	998
	4%	5%	3%	4%	2%	7%
grade 1 events	2	4	25	8	6	8
	0%	0%	0%	0%	0%	0%
grade 2 events	290	253	1860	227	1251	542
	2%	2%	13%	2%	9%	4%
grade 3 events	110	114	153	97	304	311
	1%	1%	1%	0%	2%	2%
grade 4 events	122	97	135	109	302	256
	1%	0%	0%	1%	2%	1%
grade 5 events	341	388	622	423	858	542
	3%	3%	4%	4%	6%	4%
grade 6 events	190	197	3587	249	3061	635
	1%	1%	25%	2%	22%	4%
grade 7 events	8889	8303	7330	8331	7188	9916
	84%	84%	51%	83%	53%	75%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	245.306489	245.3175240972741	Subarray requested	NONE	NONE
Pointing Dec	-0.698613	-0.7235147178606106	Alternating exposures requested	N	N
Pointing Roll	263.233708	263.3905450770986	Primary exposure time	0.000000	3.2
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	116104685.184000	116103654.45851			
Observation start date	2001-09-05T19:17:01	2001-09-05T19:00:54			
Observation end time	116106185.184000	116106797.10863			
Observation end date	2001-09-05T19:42:01	2001-09-05T19:53:17			
Read mode	TIMED	TIMED			

### 2.3 Aspect





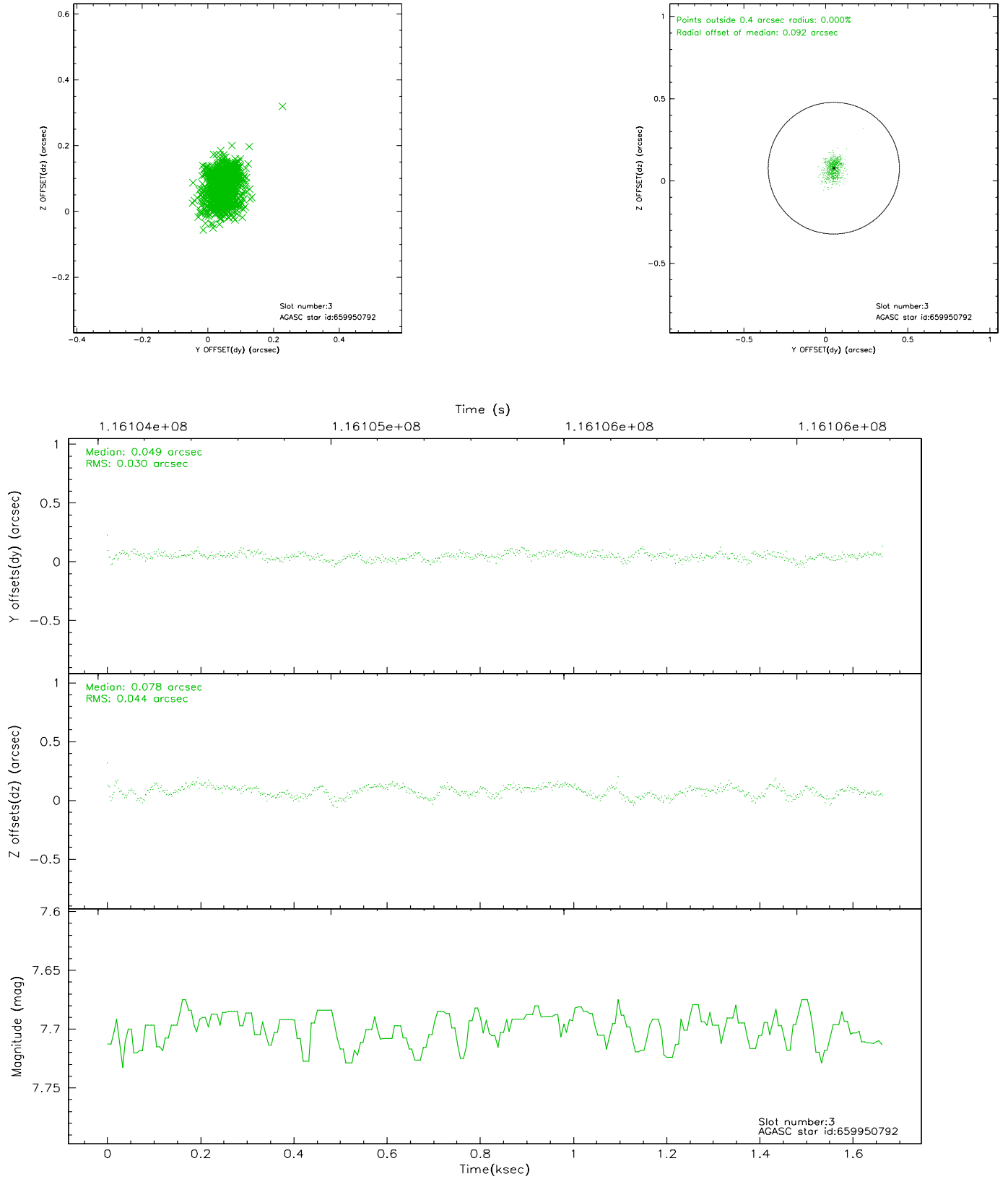
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	407	-0.011	0.043	0.006	0.010	0.000000	0.000000	-755.16	-1727.24
1	FID	ACIS-S-4	7.20	407	-0.100	-0.006	0.005	0.009	0.000000	0.000000	2156.20	177.17
2	FID	ACIS-S-5	7.24	407	0.080	-0.028	0.006	0.010	0.000000	0.000000	-1802.86	175.23
3	GUIDE	659950792	7.70	813	0.049	0.078	0.056	0.092	245.774659	-0.856177	363.74	1741.40
4	GUIDE	659823448	8.19	813	0.032	-0.074	0.057	0.093	244.688854	-1.101074	1700.94	-2033.60
5	GUIDE	659949744	7.93	813	-0.024	-0.079	0.054	0.085	245.800340	-0.565240	-685.21	1707.11
6	GUIDE	659952736	8.26	813	-0.034	0.031	0.063	0.097	245.781600	-0.263517	-1758.86	1516.67
7	GUIDE	659949520	8.26	812	-0.031	0.052	0.076	0.124	245.789348	-0.708058	-173.91	1732.76

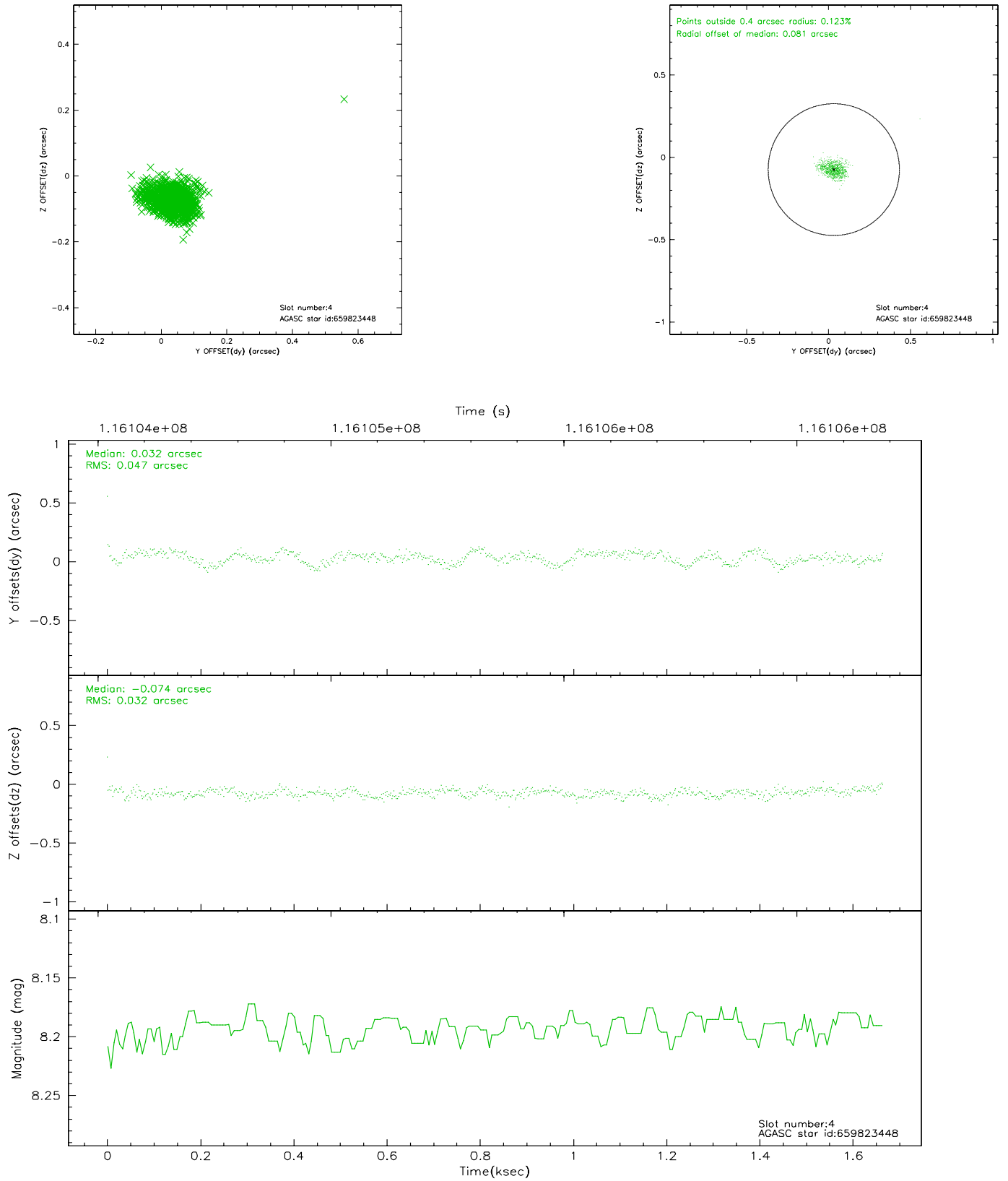


## 2.4 Star Slots

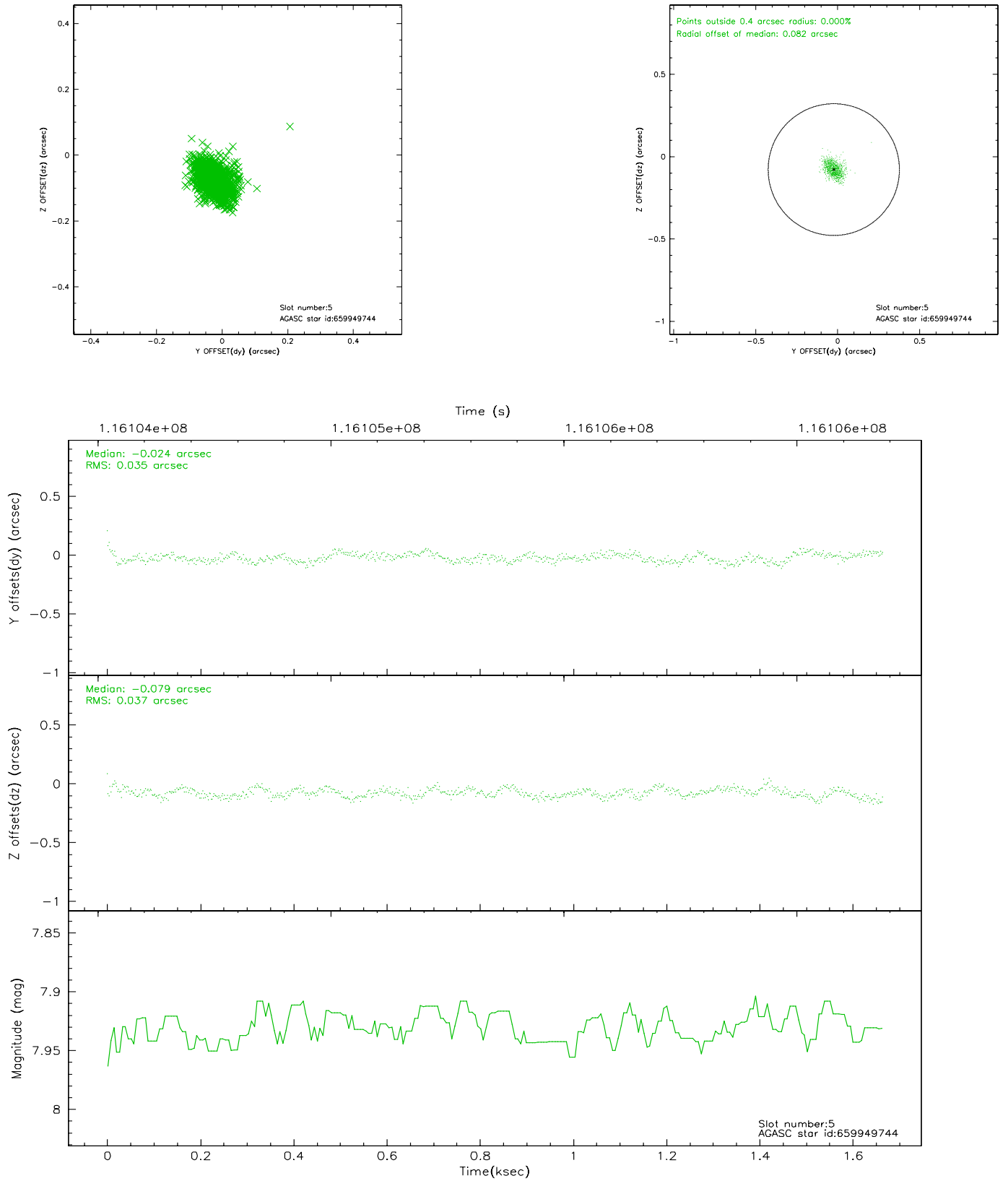
### 2.4.1 Slot 3



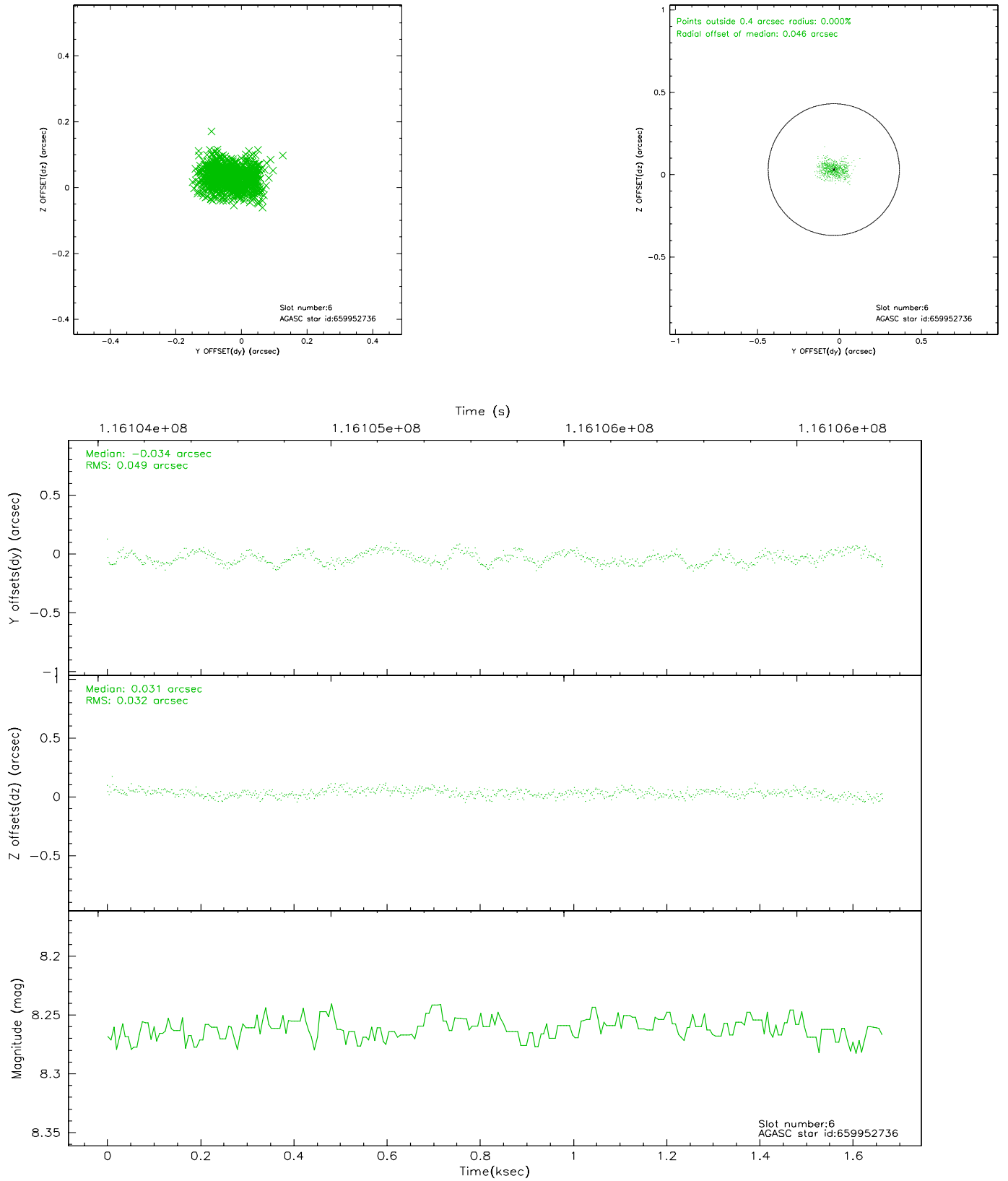
## 2.4.2 Slot 4



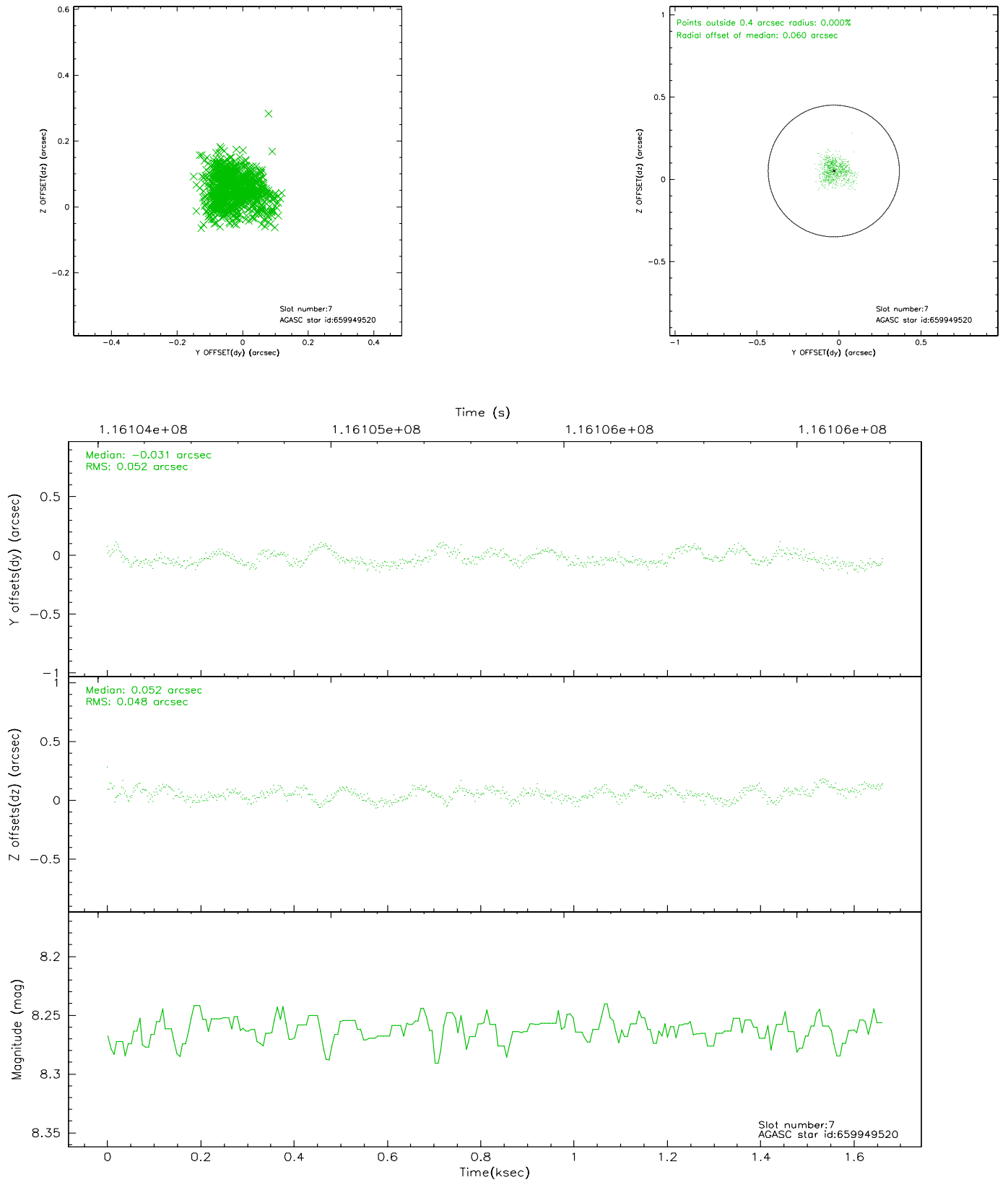
### 2.4.3 Slot 5



## 2.4.4 Slot 6

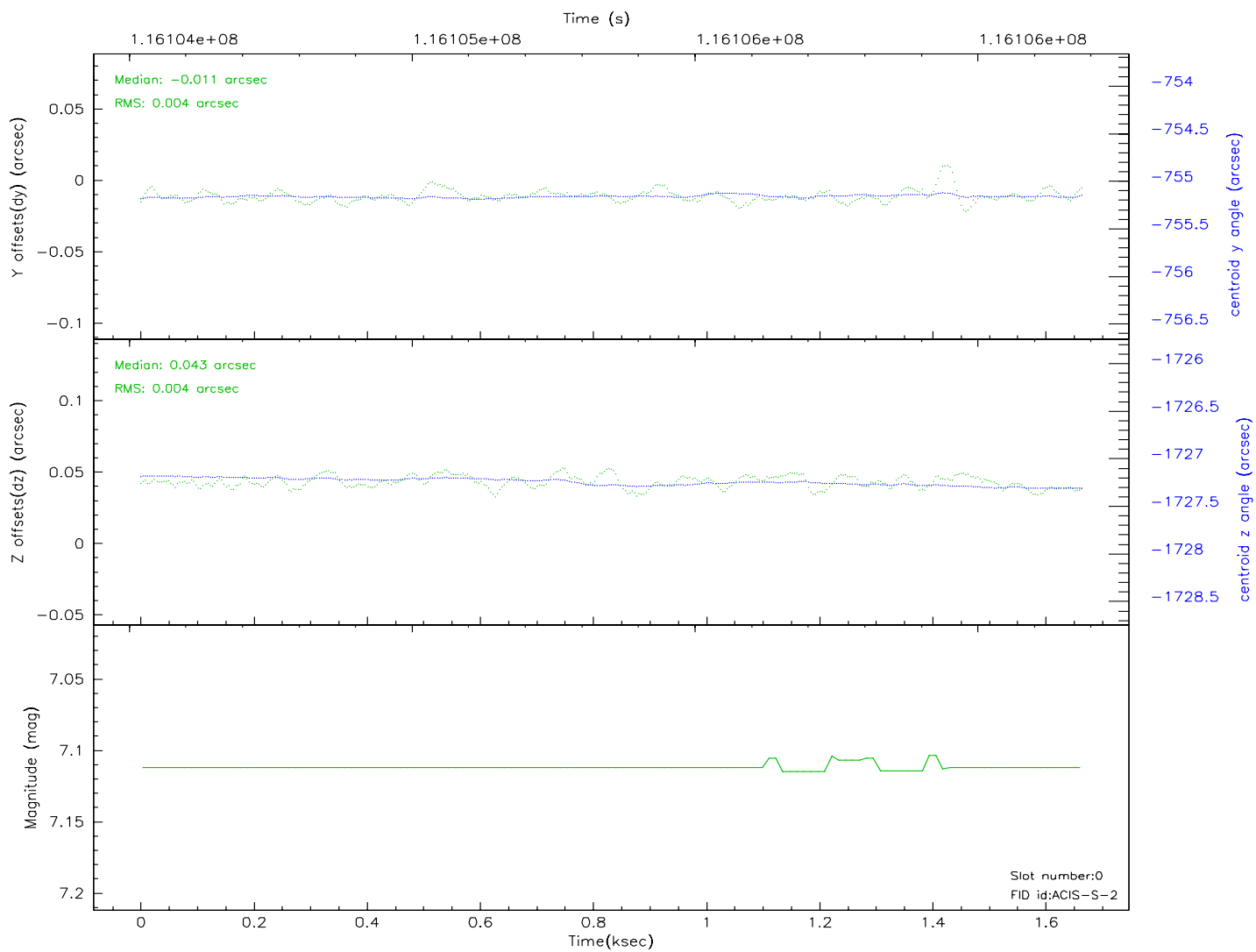
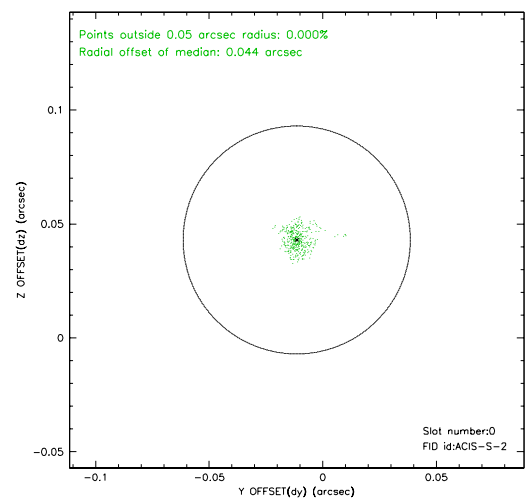
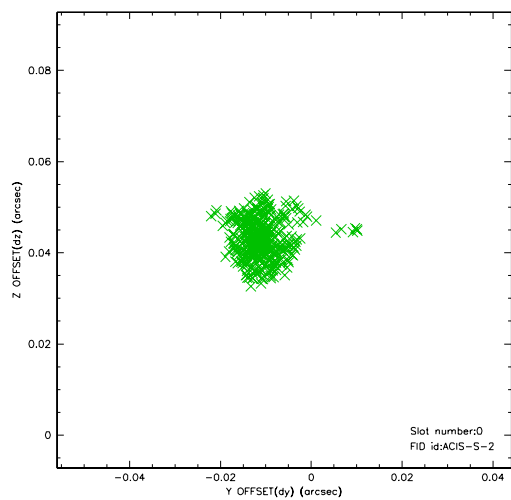


## 2.4.5 Slot 7

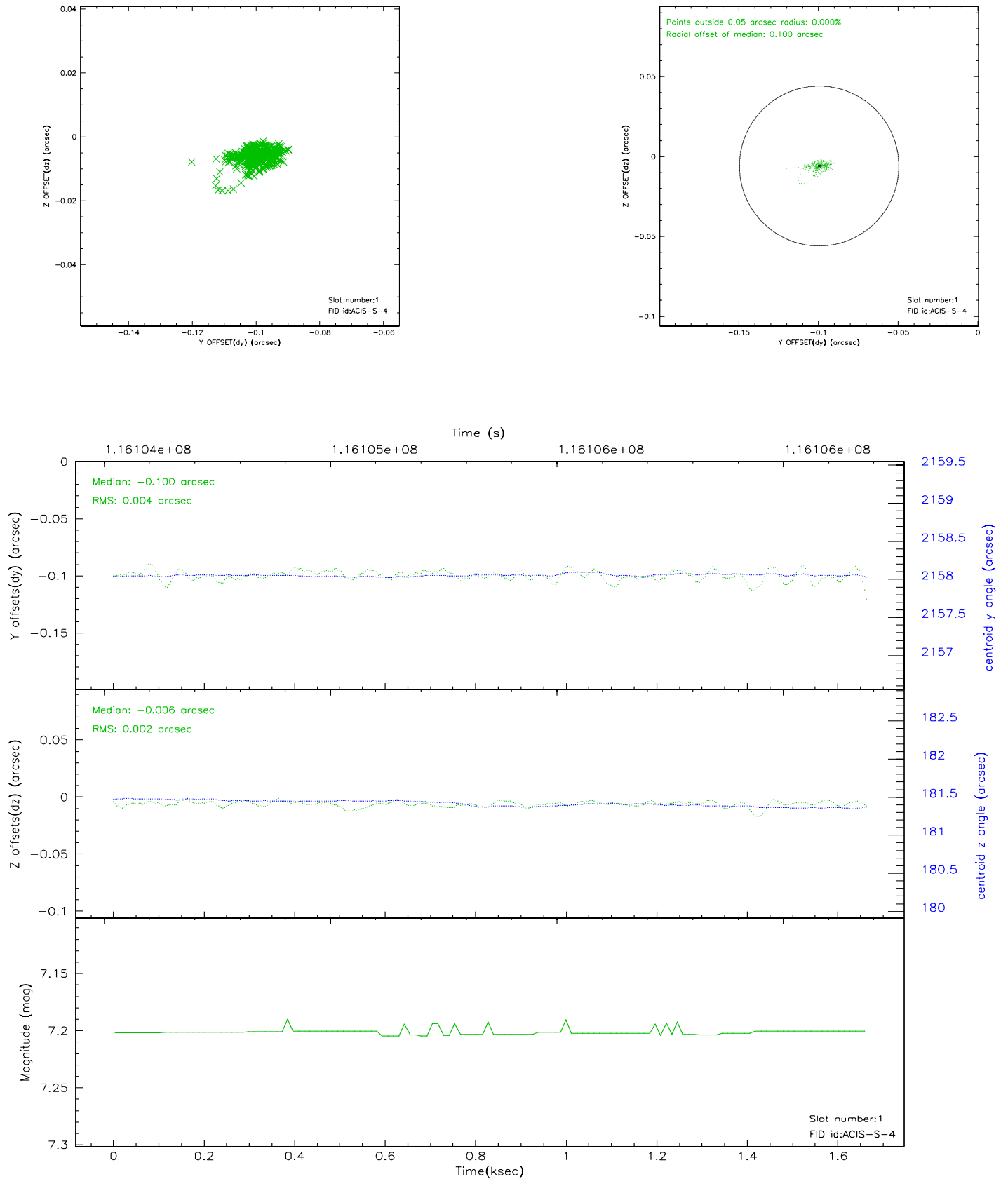


## 2.5 FID Slots

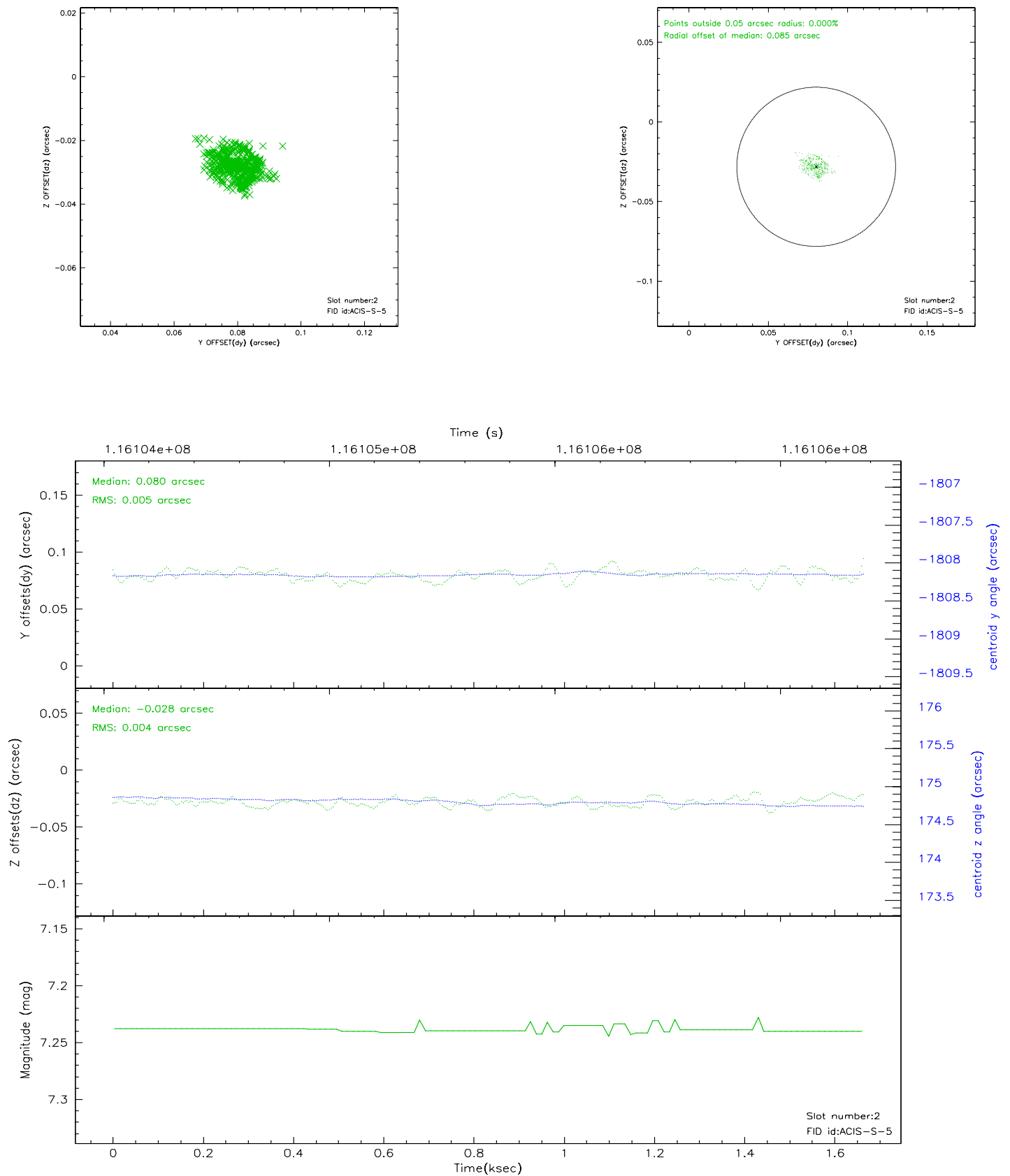
### 2.5.1 Slot 0



## 2.5.2 Slot 1

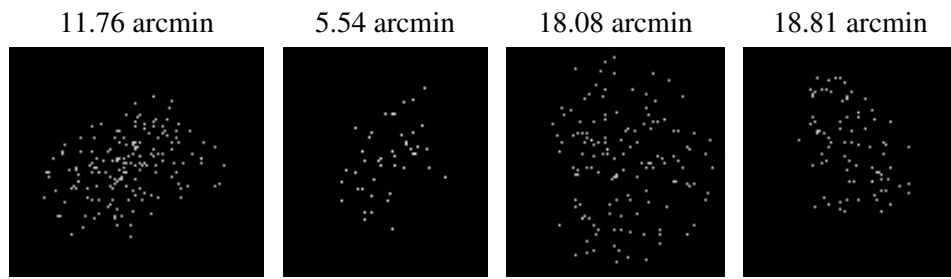


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.59

## A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips.