

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5479 - L2 Version 002  
Chandra X-Ray Center

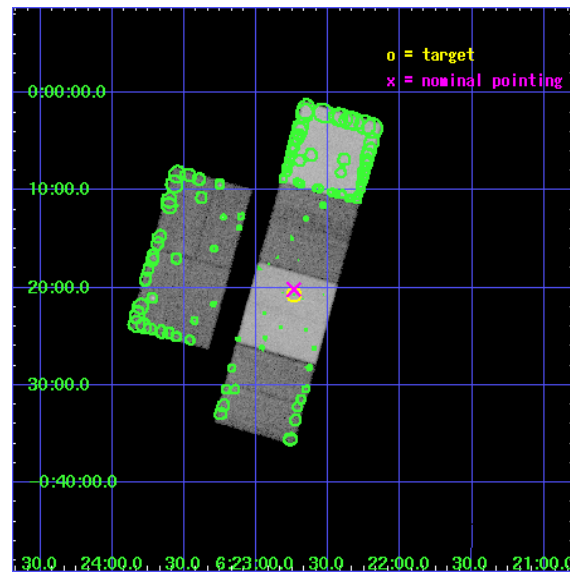
L2 Processing Date : Mar 20 2006

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# 1 Front

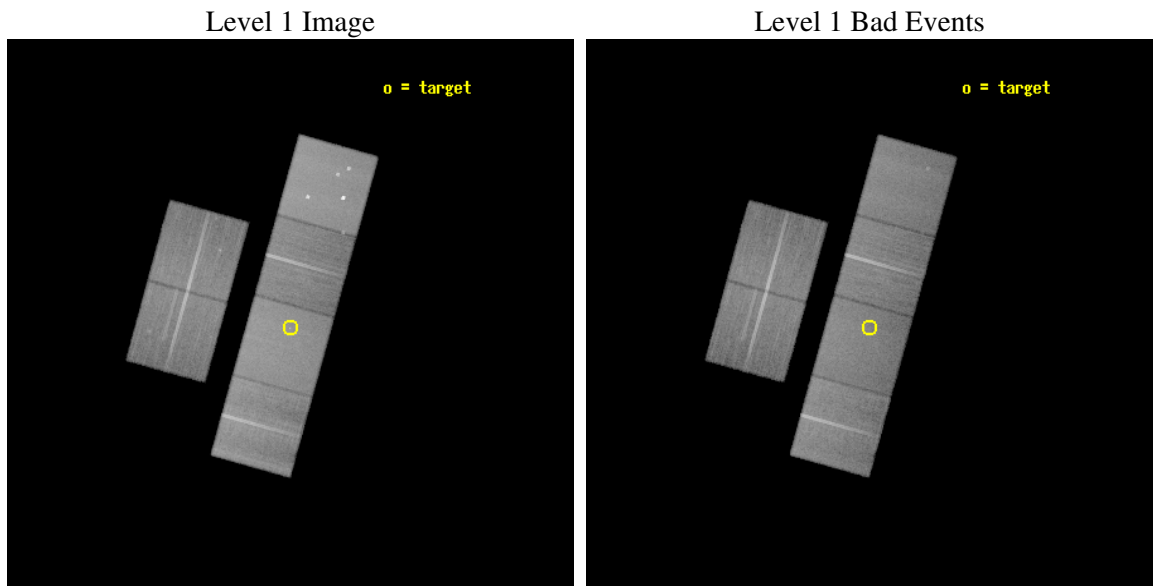
seq_num	400409
obs_id	5479
title	Testing and extending the fundamental plane of black hole activity
observer	Dr Rob Fender
object	A0620-00
dtcycle	0
cycle	P
ra_targ	95.685417
dec_targ	-0.345833
ra_nom	95.684490303801
dec_nom	-0.33623339093769
roll_nom	105.59076731095
revision	2
ontime	40131.1998505
livetime	39623.034433885
ontime2	40131.1998505
ontime3	40127.958860308
ontime5	40131.1998505
ontime6	40131.1998505
ontime7	40131.1998505
ontime8	40131.1998505
l2events	473144



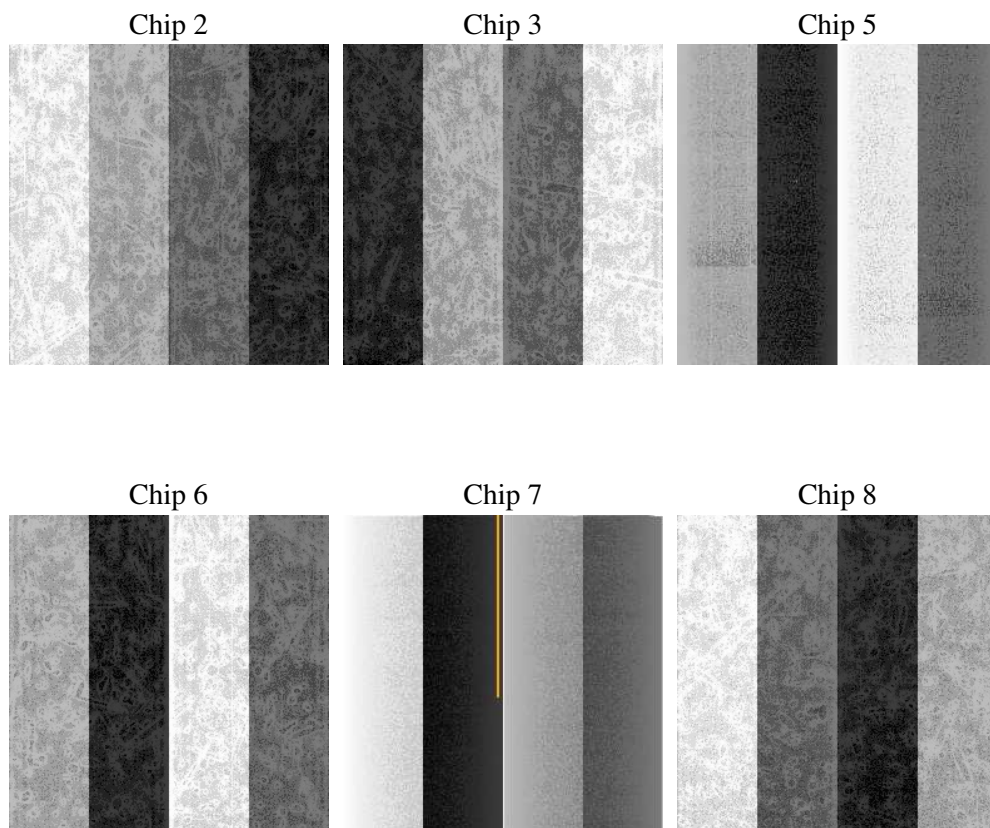
## 2 OBI

### 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	2006-03-20T12:49:06
revision	2

sched_exp_time	40000.000000
ontime	41530.197885364
ontime2	41530.197885364
ontime3	41526.956895173
ontime5	41530.197885364
ontime6	41530.197885364
ontime7	41530.197885364
ontime8	41530.197885364
l1events	2259553

### 2.1.4 Events

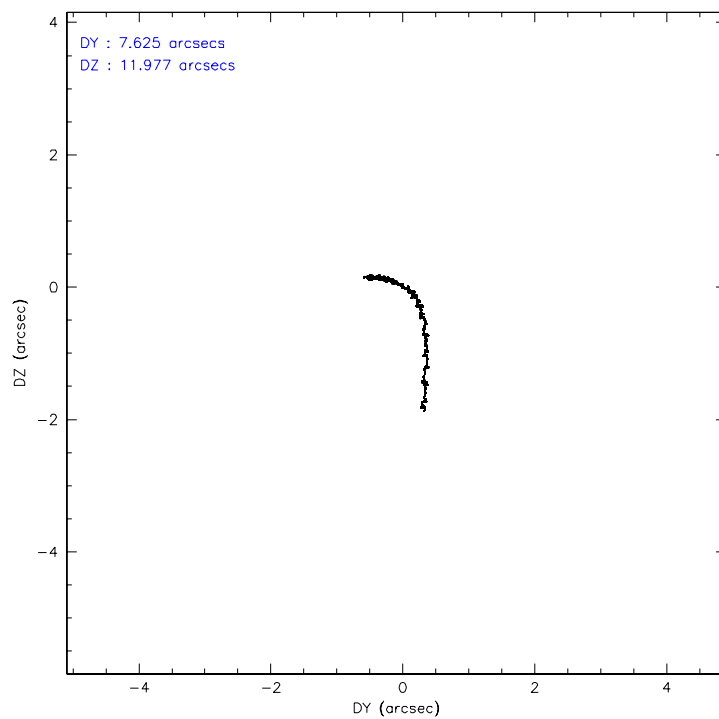
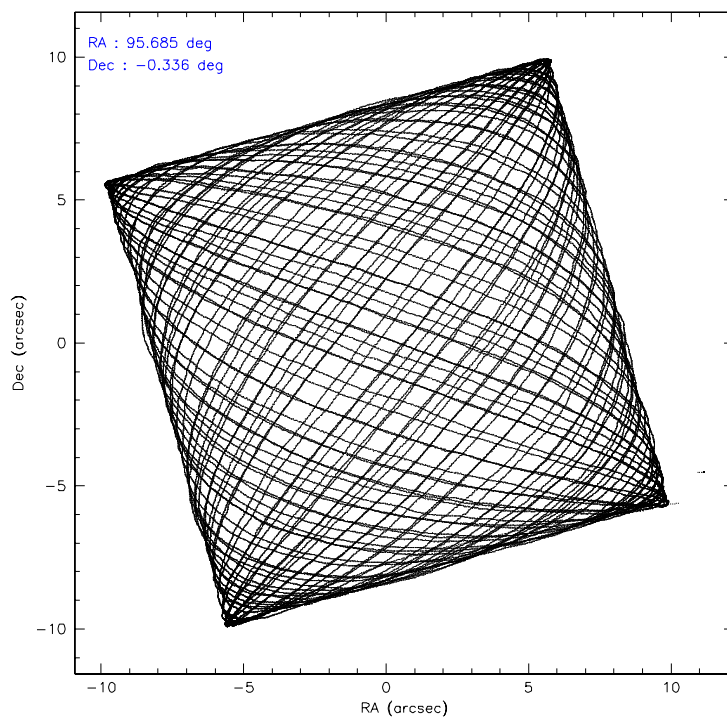
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	319888	307360	485193	320117	429998	396997
rejected events	282937	271571	274160	284090	272631	313815
rejected %	88%	88%	56%	88%	63%	79%

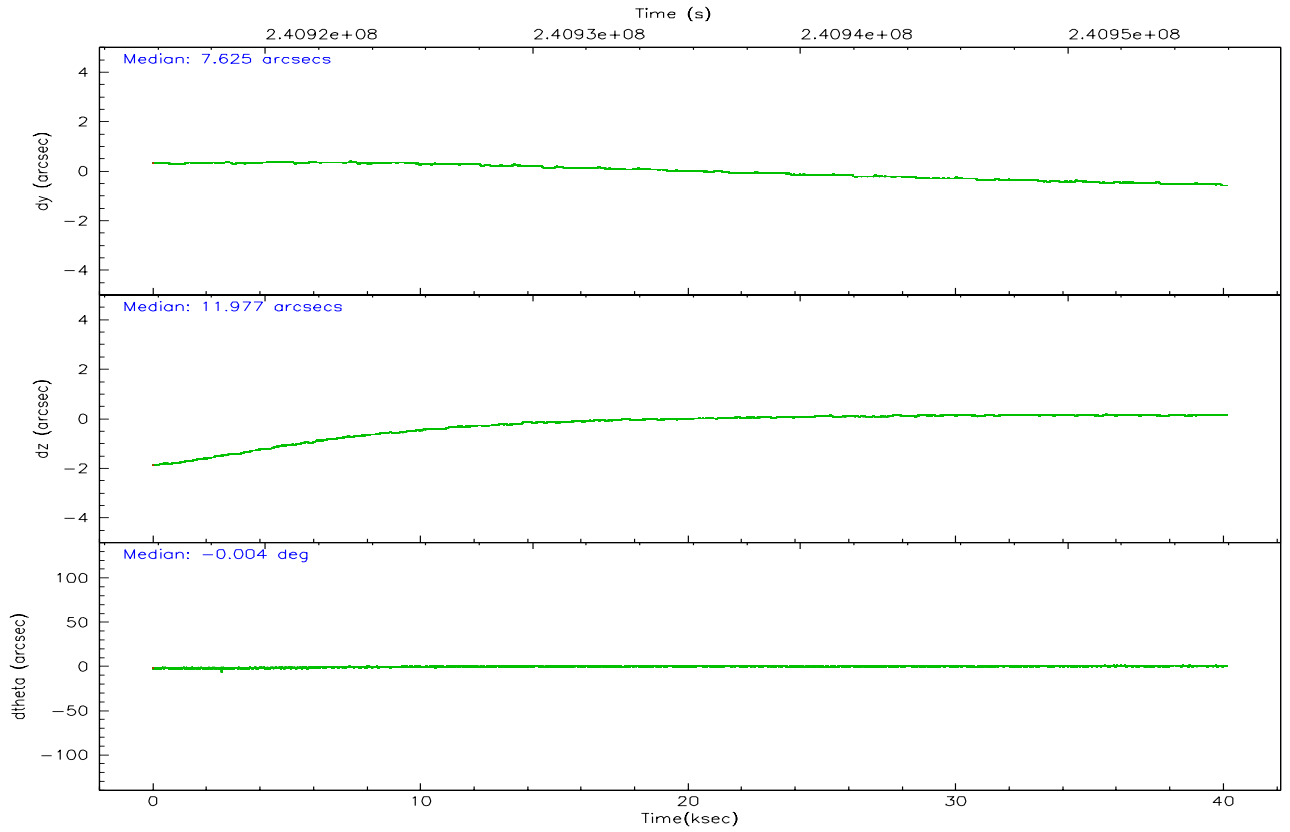
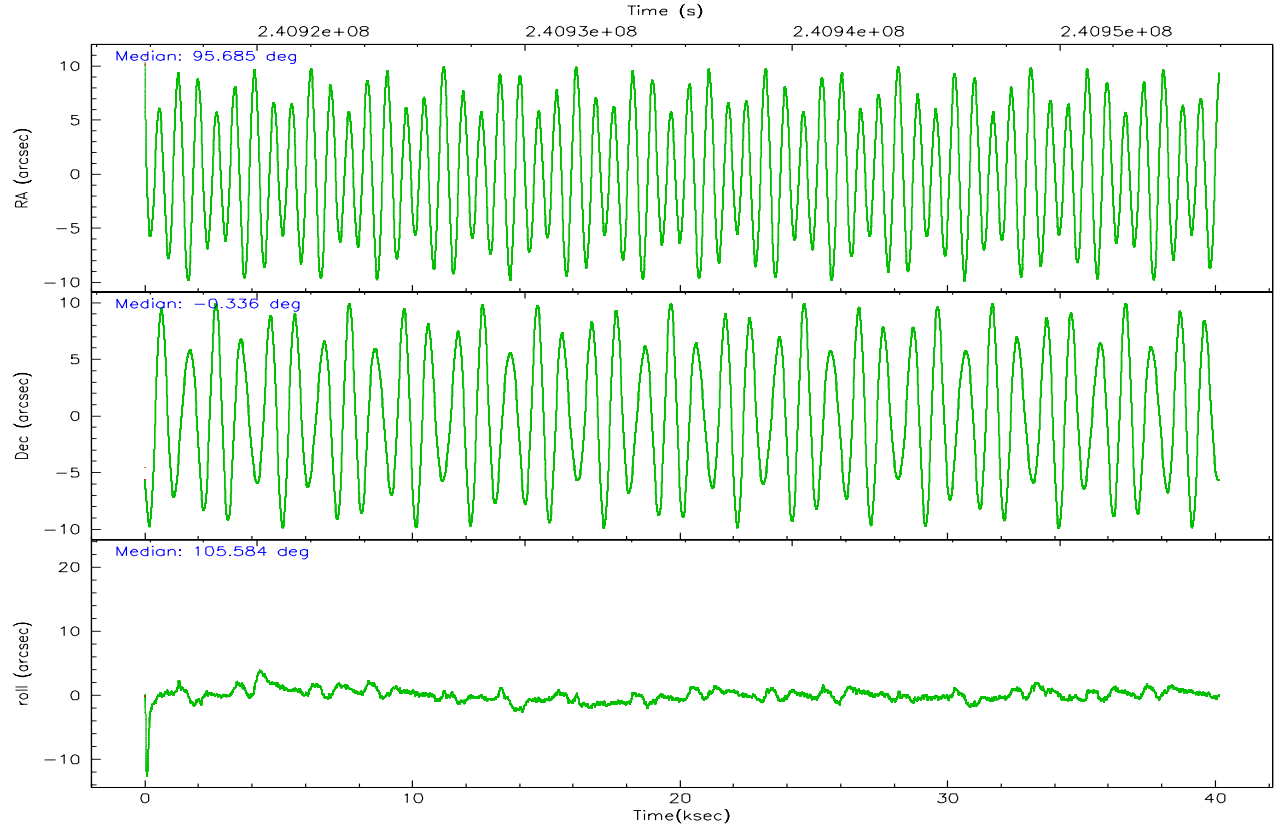
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	17129	16186	26018	14655	8671	26768
	5%	5%	5%	4%	2%	6%
grade 1 events	201	191	541	137	250	263
	0%	0%	0%	0%	0%	0%
grade 2 events	7838	7093	64938	7886	40667	19283
	2%	2%	13%	2%	9%	4%
grade 3 events	3494	3544	4457	3600	7747	9151
	1%	1%	0%	1%	1%	2%
grade 4 events	3510	3518	4123	3486	7607	8618
	1%	1%	0%	1%	1%	2%
grade 5 events	12524	14190	22389	14496	28003	19529
	3%	4%	4%	4%	6%	4%
grade 6 events	6266	6643	119289	7701	98198	22089
	1%	2%	24%	2%	22%	5%
grade 7 events	268926	255995	243438	268156	238855	291296
	84%	83%	50%	83%	55%	73%

## 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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	95.704199	95.68449030380111	Alternating exposures requested	N	N
Pointing Dec	-0.355002	-0.3362333909376891	Primary exposure time	0.000000	3.2
Pointing Roll	105.434256	105.5907673109498			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	240915952.184000	240914206.48371			
Observation start date	2005-08-20T09:04:48	2005-08-20T08:36:46			
Observation end time	240955952.184000	240956479.53565			
Observation end date	2005-08-20T20:11:28	2005-08-20T20:21:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect





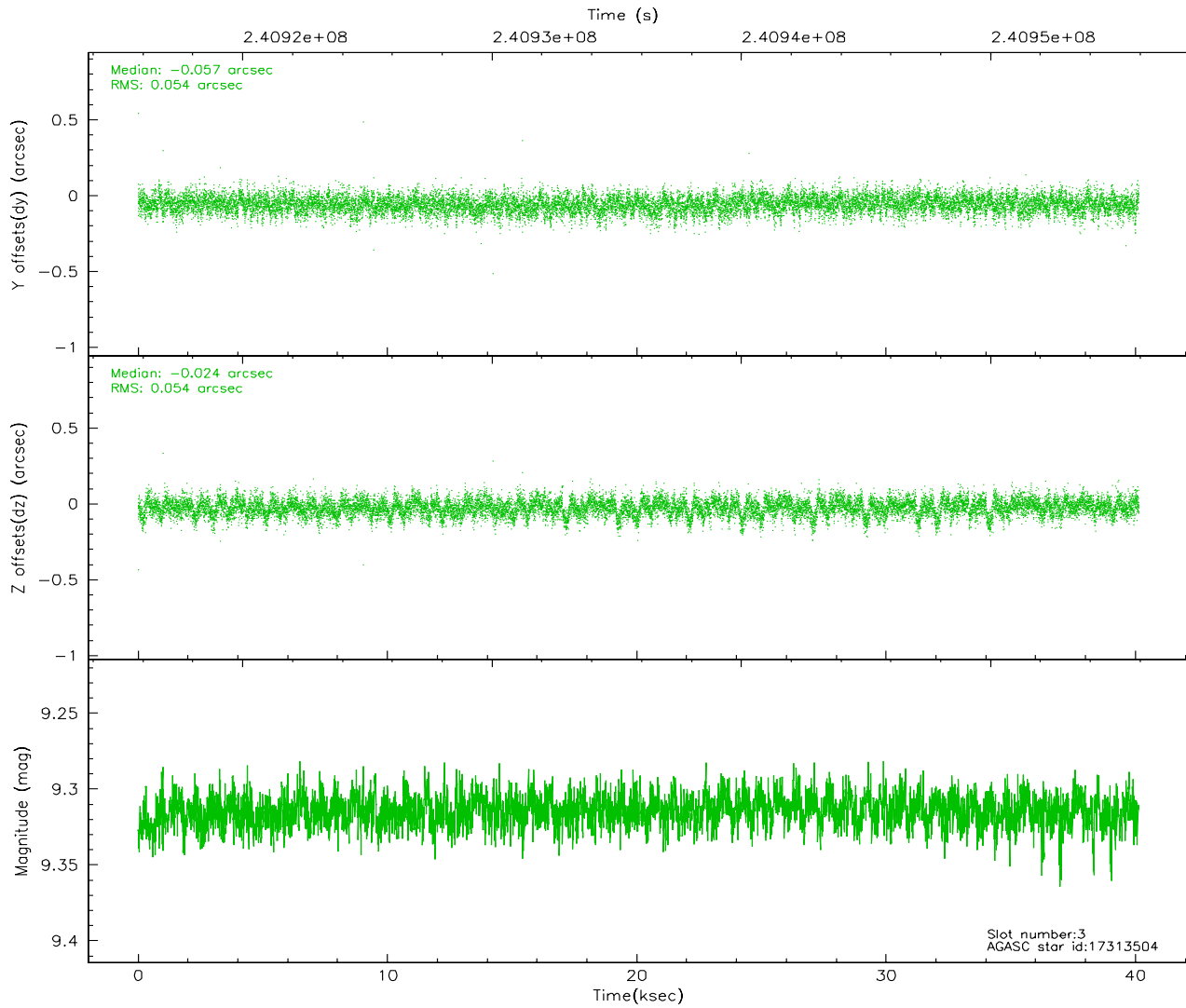
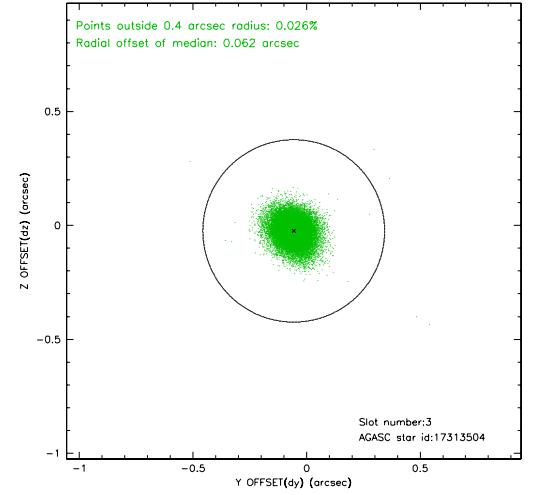
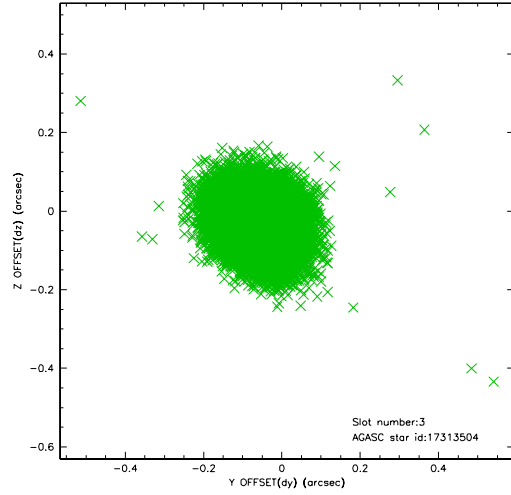
### Slot Statistics

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	9790	-0.019	-0.002	0.015	0.033	0.000000	0.000000	-760.38	-1732.96
1	FID	ACIS-S-4	7.20	9788	0.035	0.002	0.010	0.024	0.000000	0.000000	2152.93	175.53
2	FID	ACIS-S-6	7.35	9790	-0.043	0.007	0.010	0.017	0.000000	0.000000	401.58	812.93
3	GUIDE	17313504	9.31	19568	-0.057	-0.024	0.080	0.133	95.559302	0.008928	1401.68	154.59
4	GUIDE	627060256	9.38	19565	0.071	-0.069	0.092	0.151	95.367778	-0.918062	-1631.59	1706.79
5	GUIDE	627187008	8.06	19577	0.057	-0.055	0.067	0.106	95.706759	-0.833093	-1661.36	449.18
6	GUIDE	627187176	8.02	19551	-0.186	-0.097	0.055	0.088	95.647337	-0.234674	471.98	82.17
7	GUIDE	627197472	8.61	19575	0.109	0.245	0.093	0.144	96.421301	-0.454862	-1032.94	-2392.37

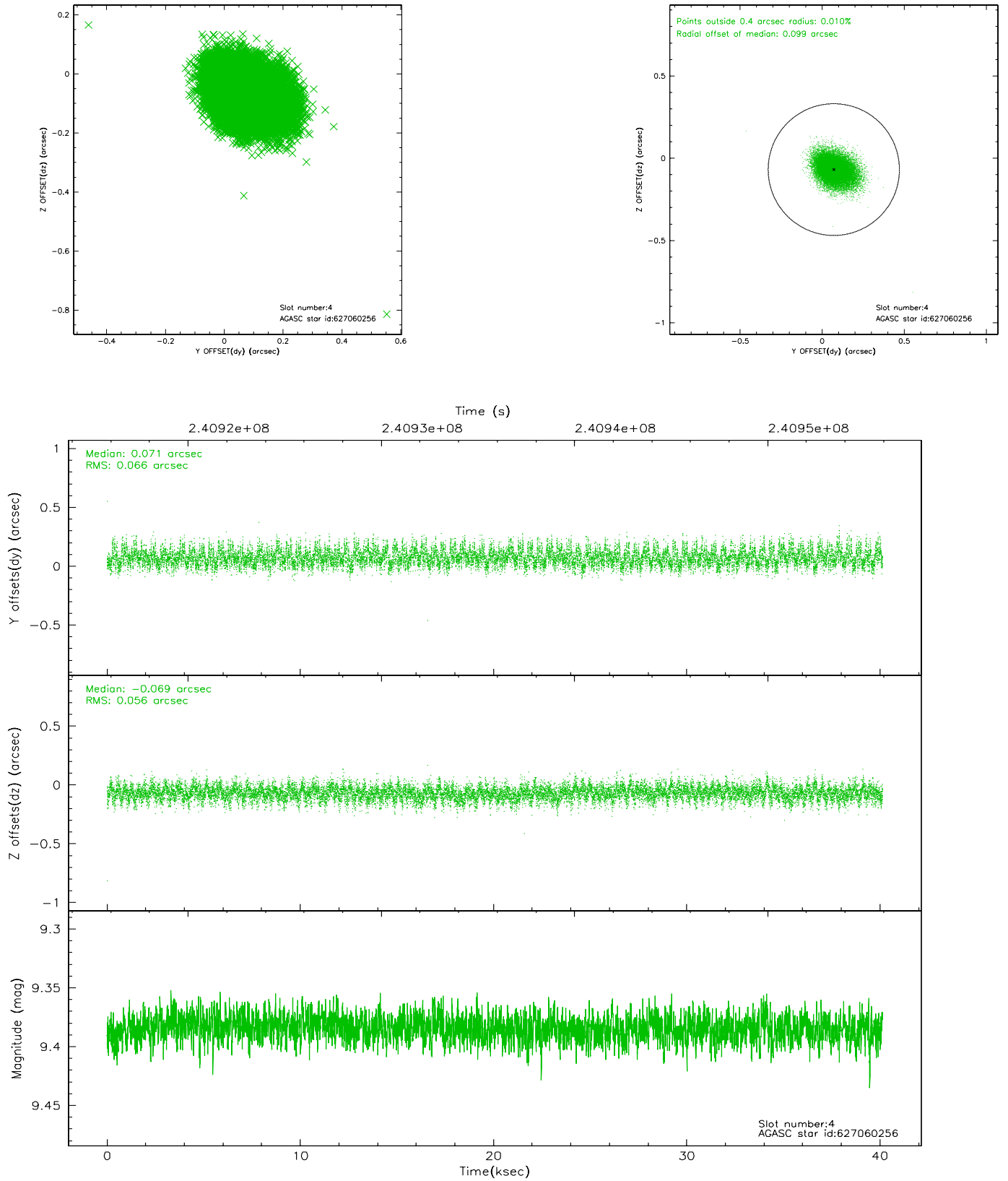


## 2.4 Star Slots

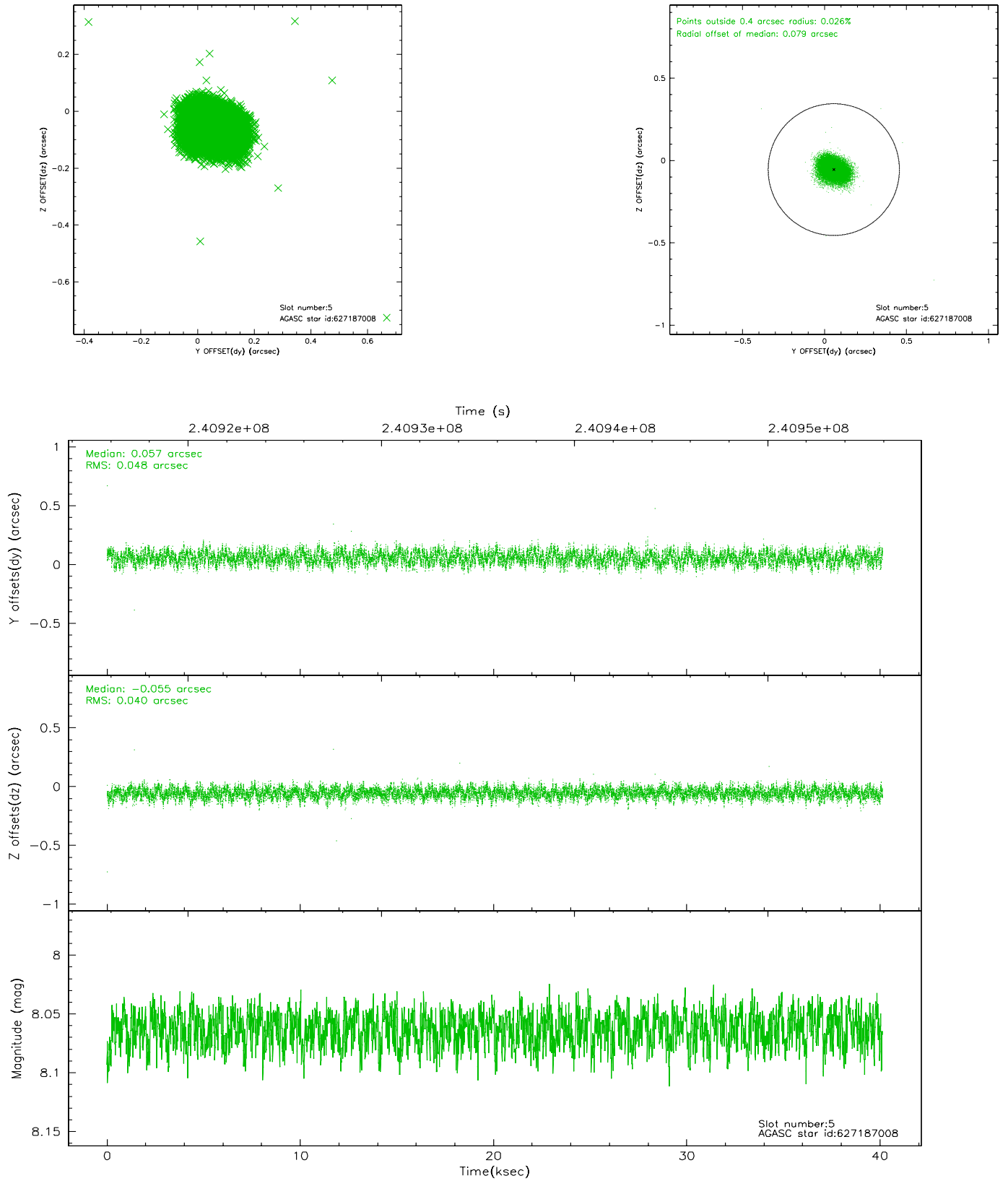
### 2.4.1 Slot 3



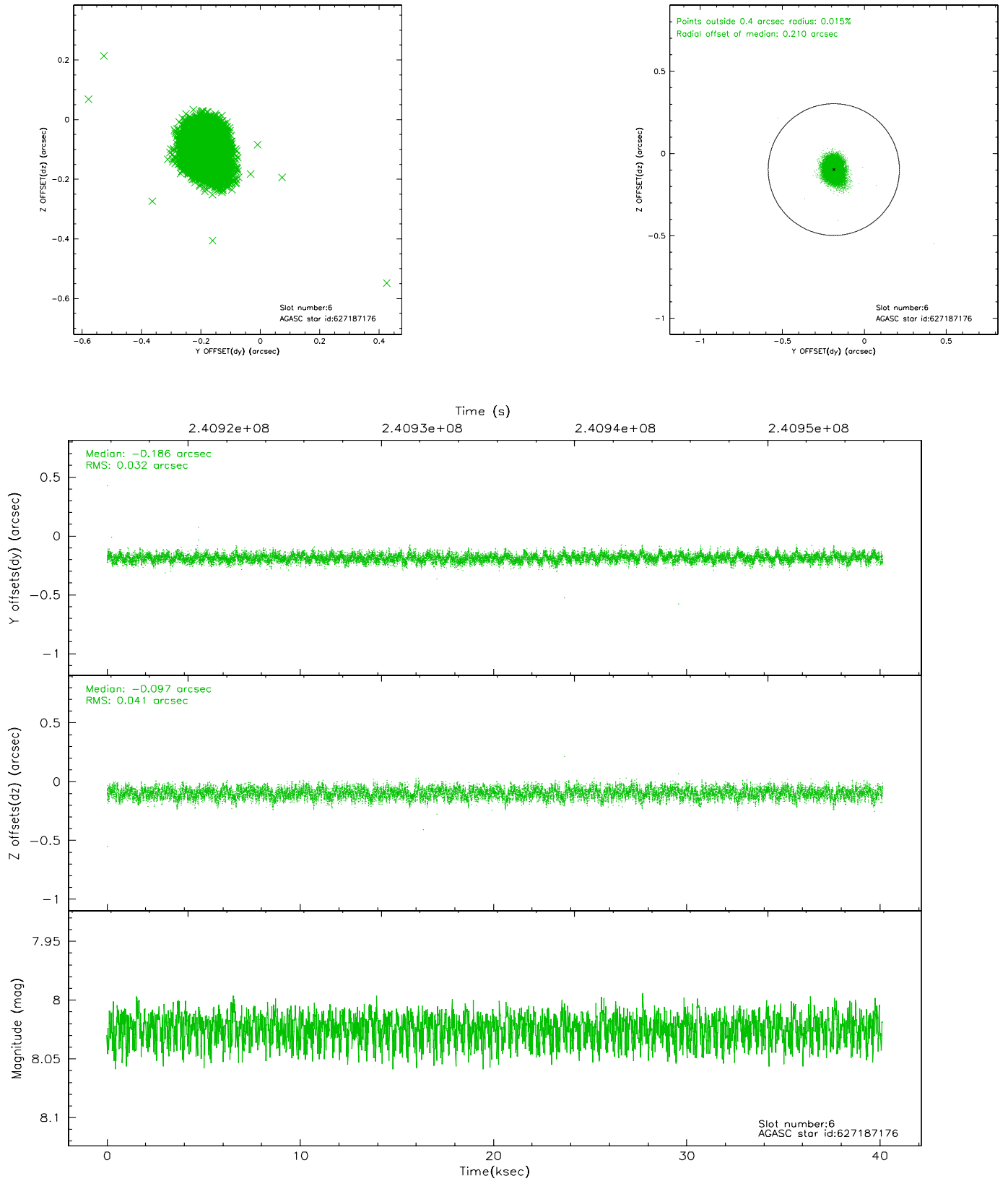
## 2.4.2 Slot 4



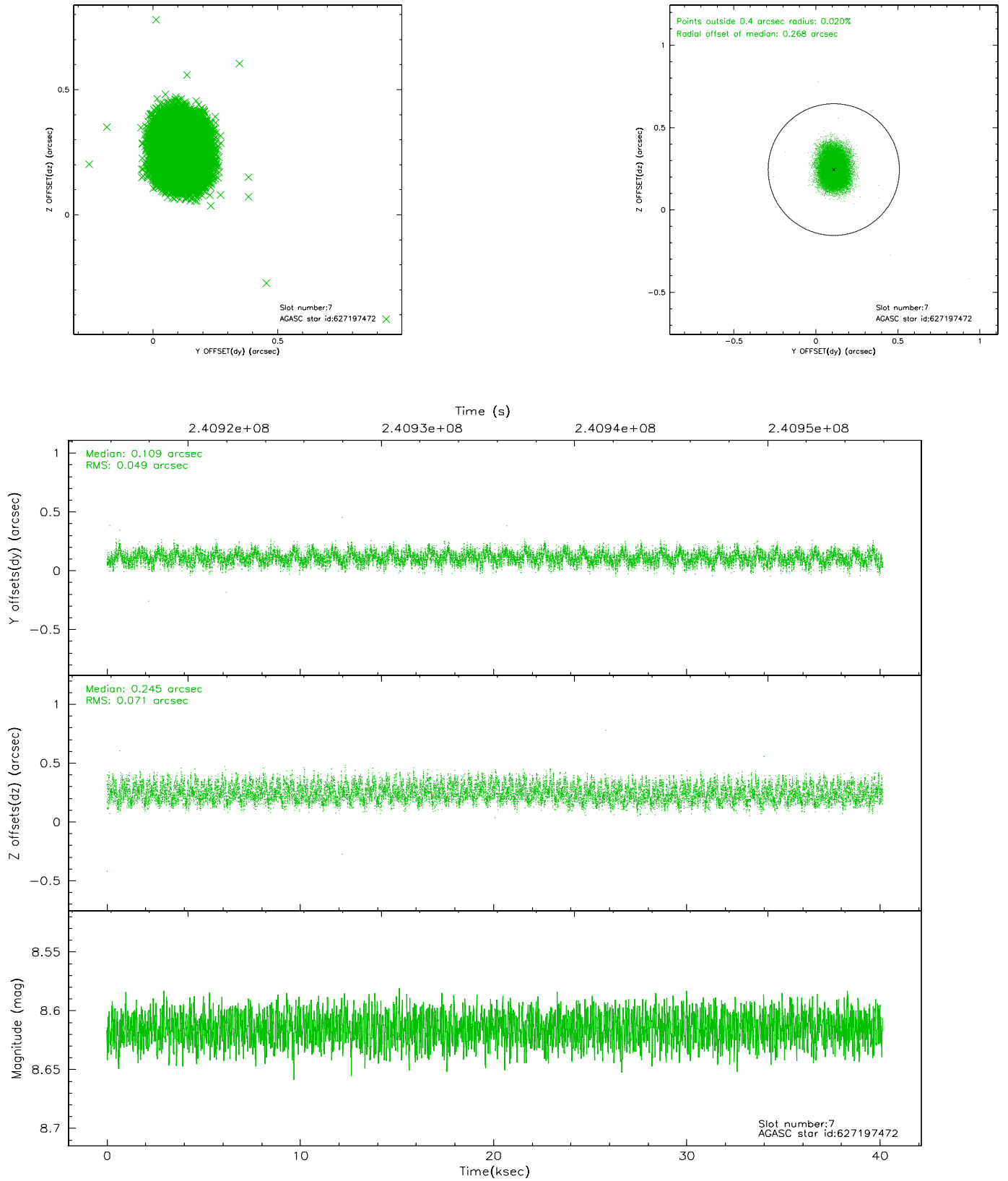
### 2.4.3 Slot 5



## 2.4.4 Slot 6

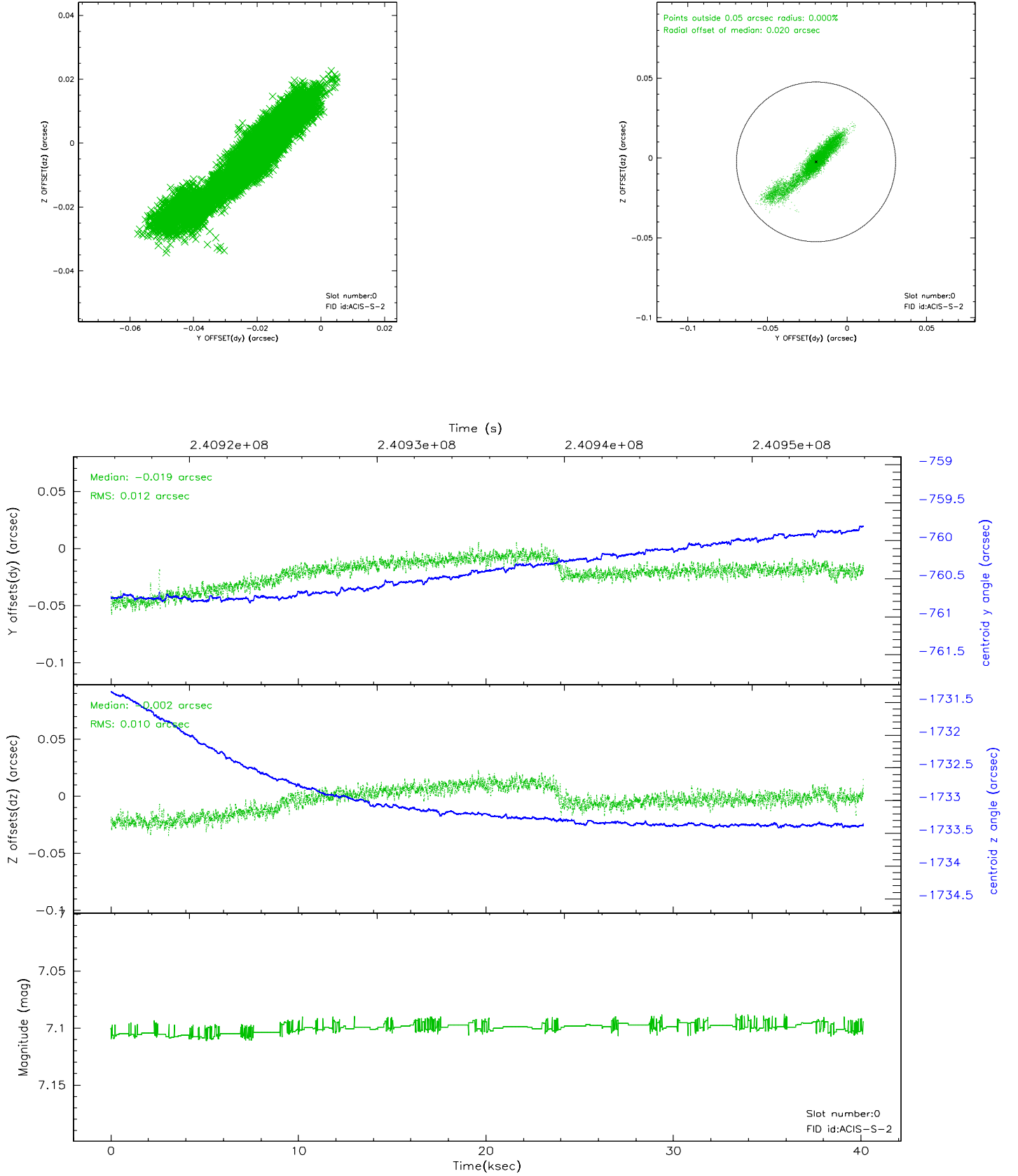


## 2.4.5 Slot 7

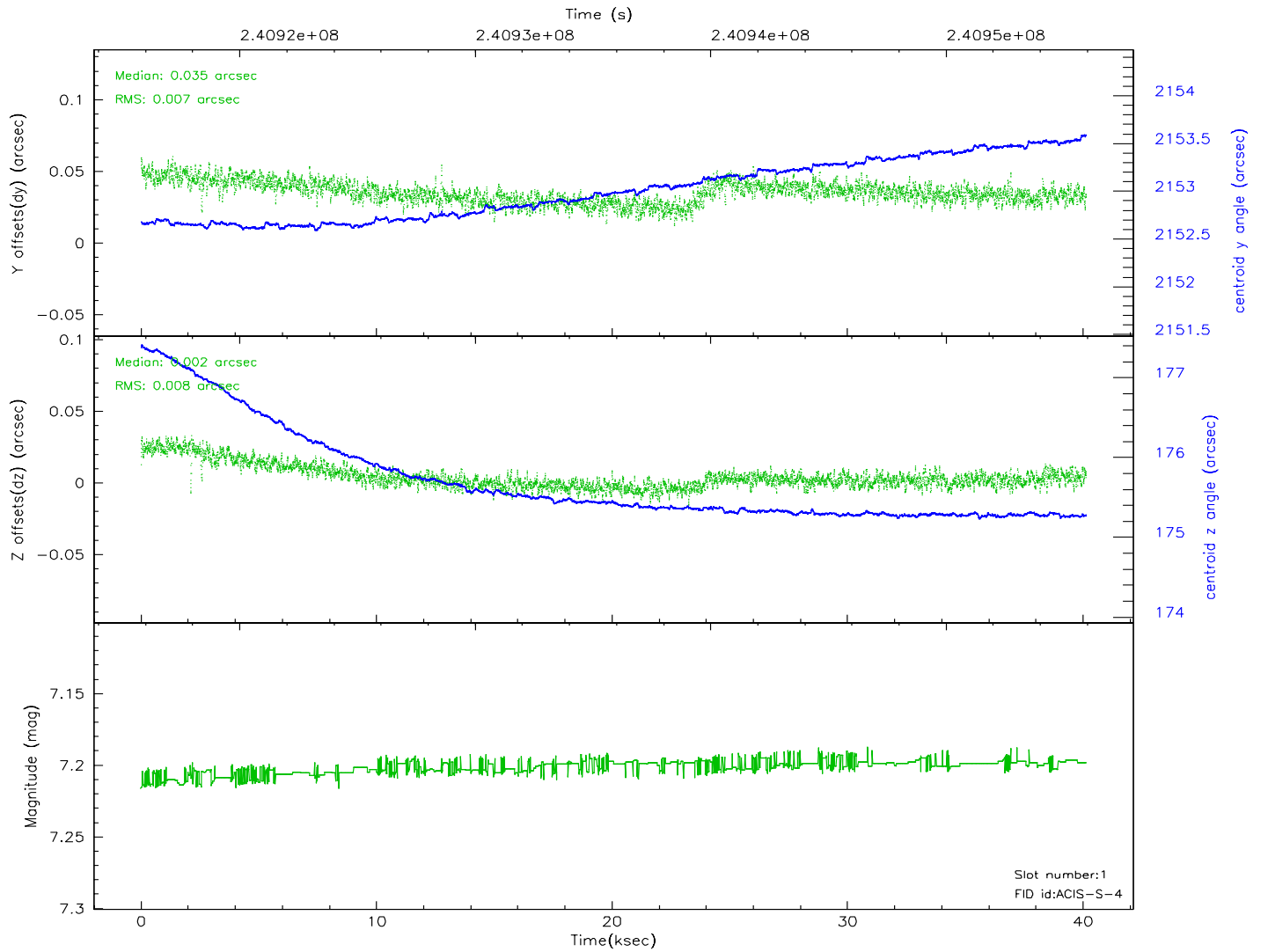
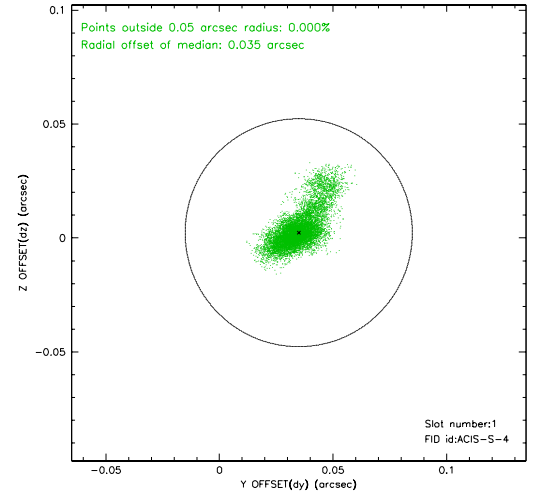
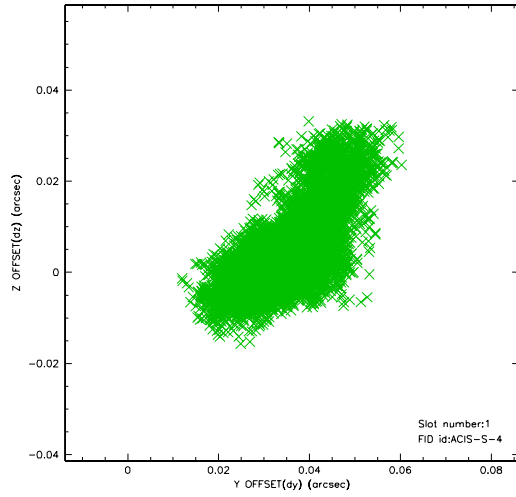


## 2.5 FID Slots

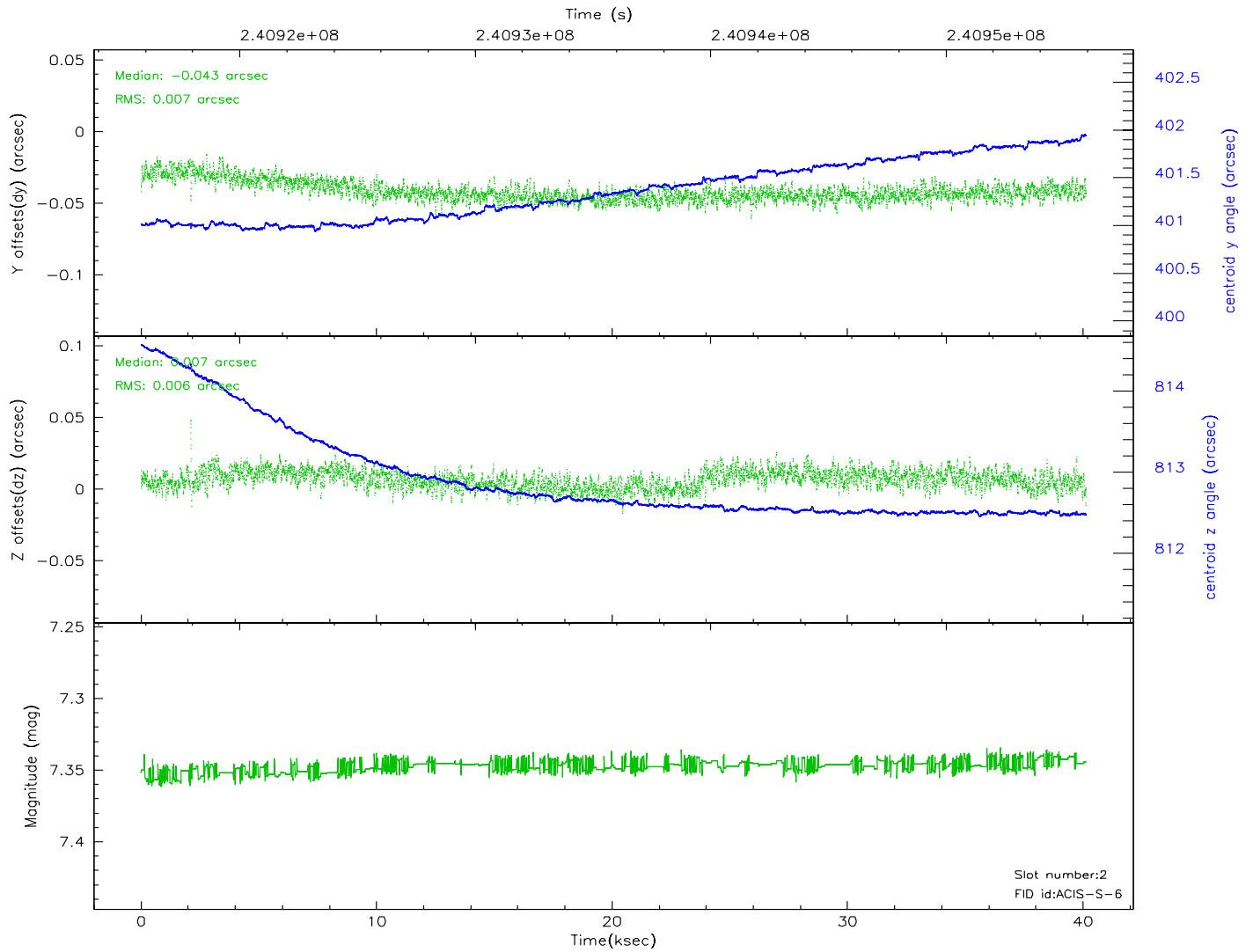
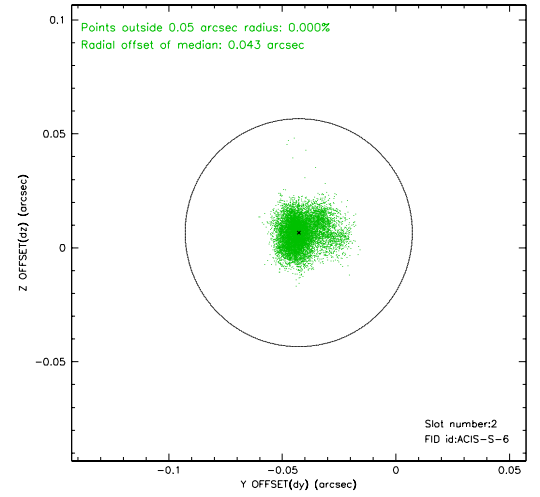
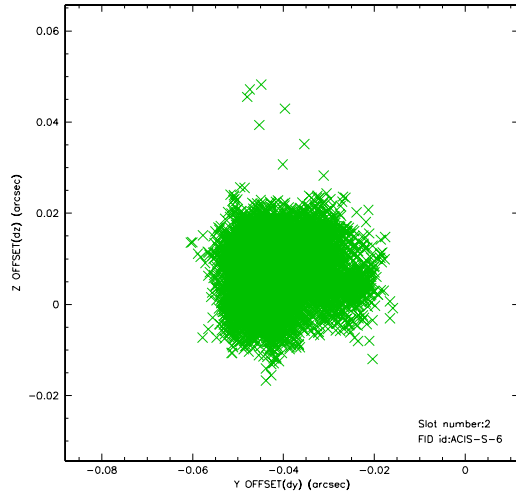
### 2.5.1 Slot 0



## 2.5.2 Slot 1

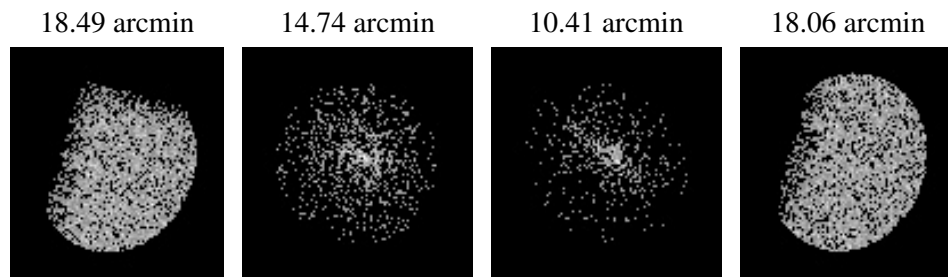


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.13119

### A.2 Comments