

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3348 - L2 Version 001  
Chandra X-Ray Center

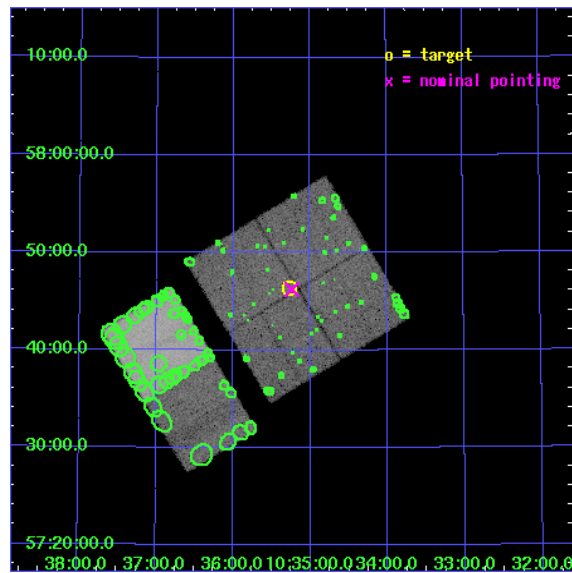
L2 Processing Date : Sep 14 2006

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# 1 Front

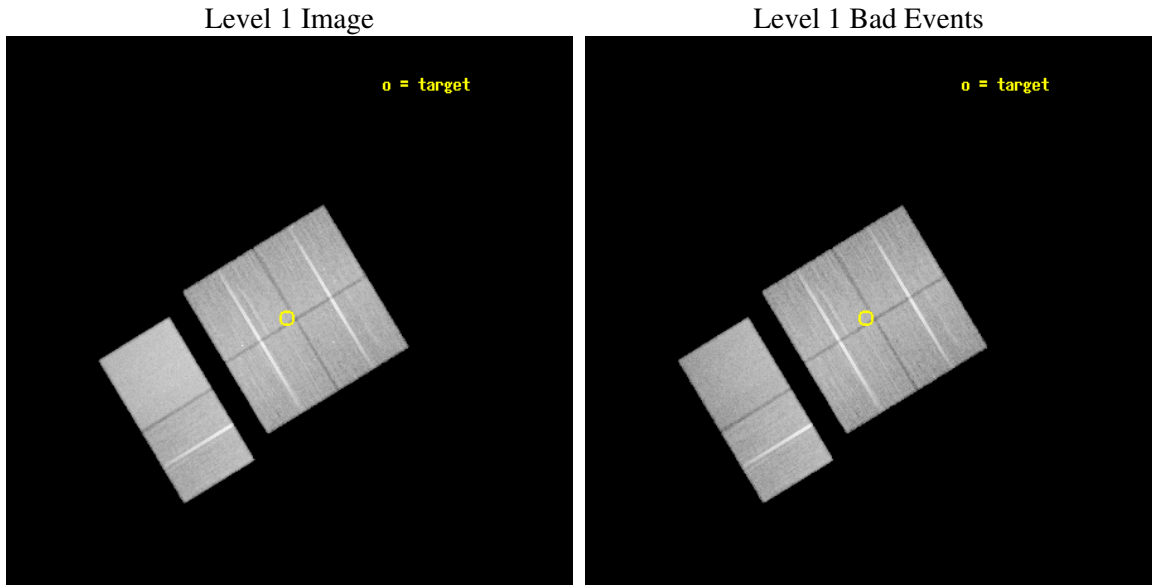
seq_num	900187
obs_id	3348
title	WIDE-FIELD CHANDRA SURVEY OF THE LOCKMAN HOLE-NORTHWEST
observer	Prof. AMY BARGER
object	LH-NW-9
dtcycle	0
cycle	P
ra_targ	158.81665
dec_targ	57.773609
ra_nom	158.8095500138
dec_nom	57.77087562181
roll_nom	238.73278074213
revision	2
ontime	40028.71791032
livetime	39521.850181739
ontime0	40031.958910525
ontime1	40025.476880342
ontime2	40025.476940006
ontime3	40028.71791032
ontime6	40015.754109174
ontime7	40018.995049477
l2events	261471



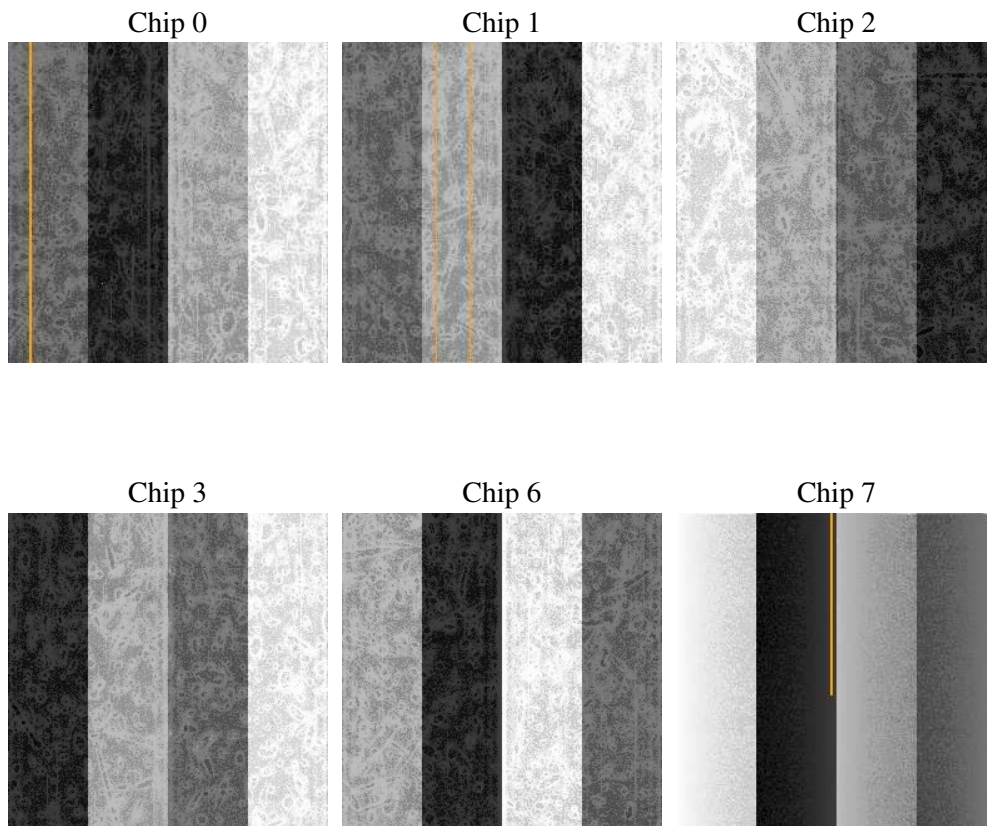
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-15T01:38:37
revision	2

sched_exp_time	40000.000000
ontime	40032.827961713
ontime0	40036.06899187
ontime1	40029.586931735
ontime2	40029.5869914
ontime3	40032.827961713
ontime6	40019.864190519
ontime7	40023.105130821
l1events	1628308

### 2.1.4 Events

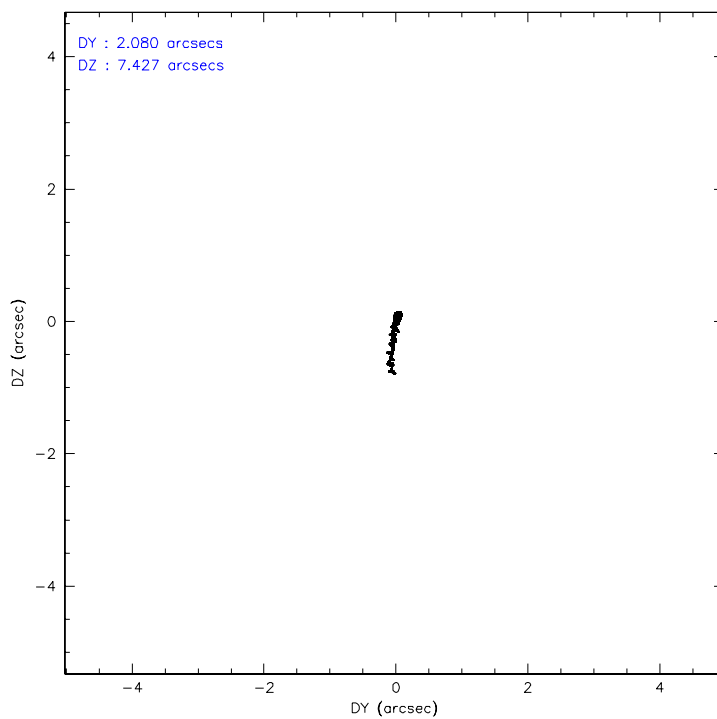
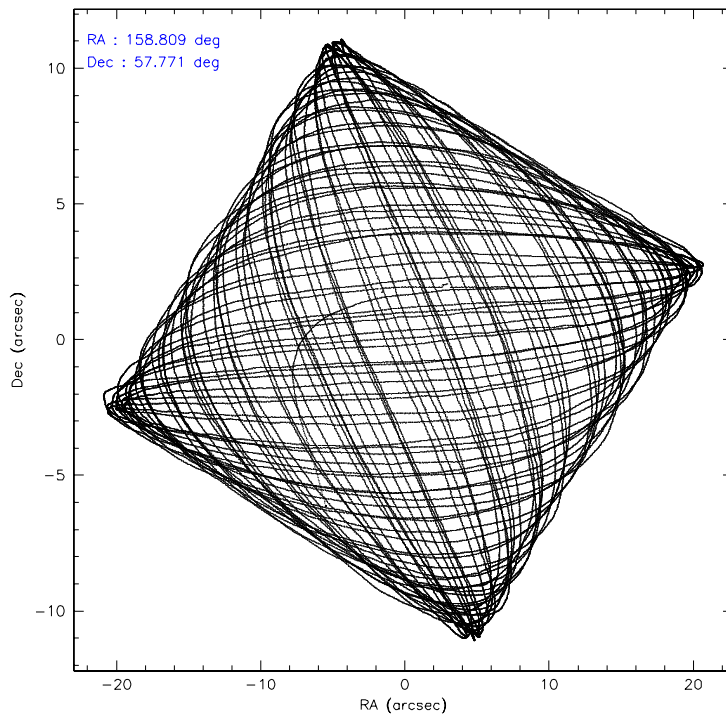
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	238131	244886	262171	263043	276425	343652
rejected events	206852	211432	231628	232795	245826	213575
rejected %	86%	86%	88%	88%	88%	62%

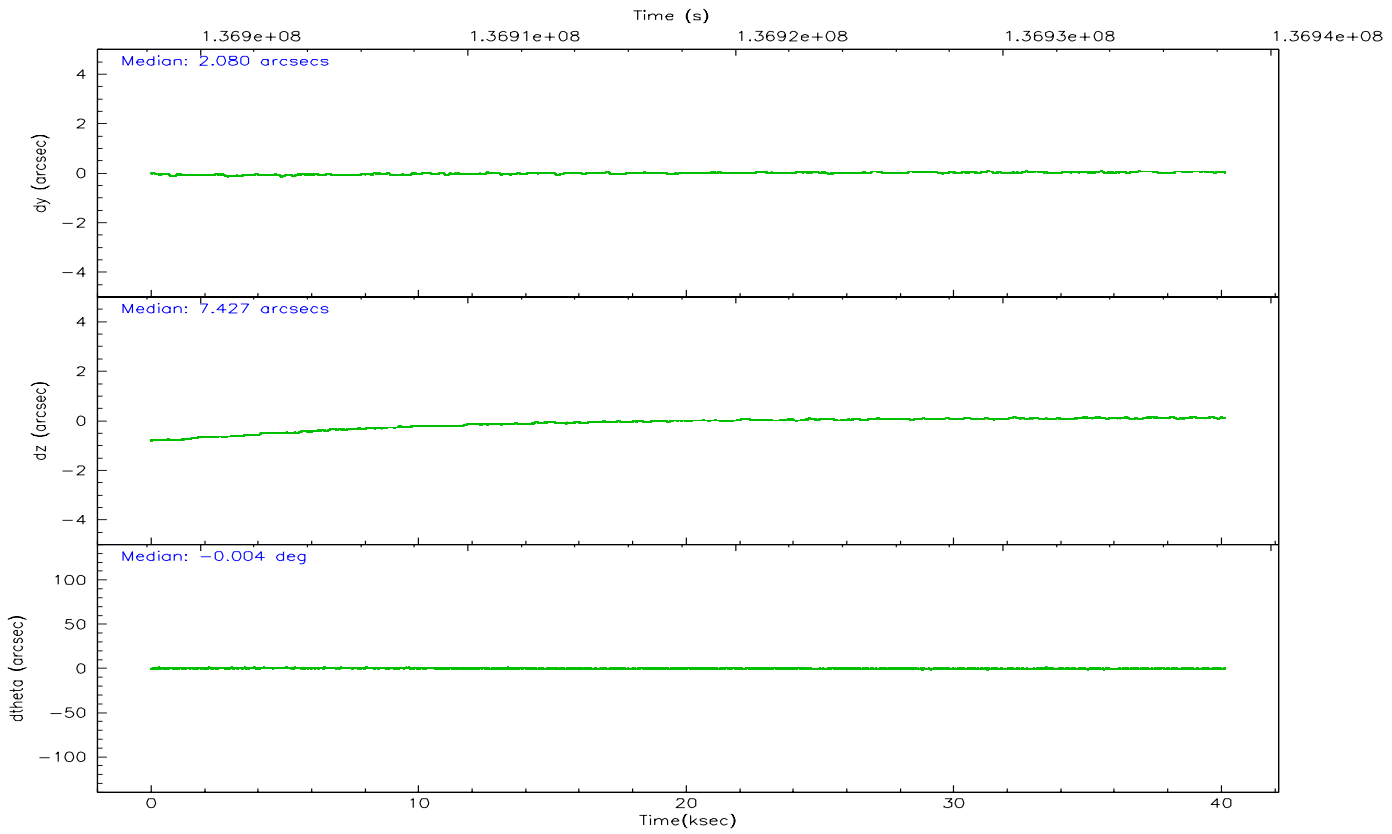
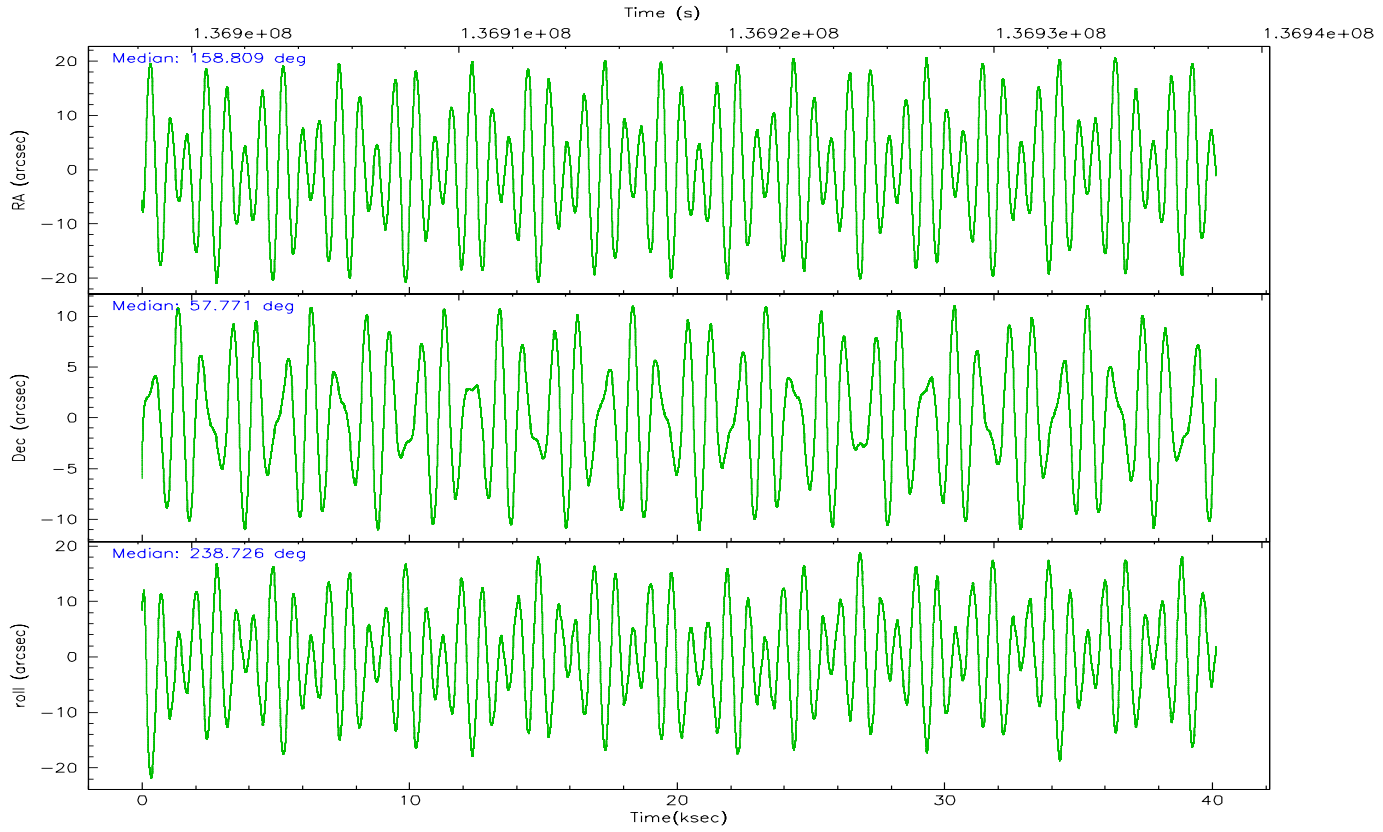
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	13320	13893	13193	12873	11961	7774
	5%	5%	5%	4%	4%	2%
grade 1 events	141	107	128	132	152	203
	0%	0%	0%	0%	0%	0%
grade 2 events	6678	6784	6517	6108	6401	32016
	2%	2%	2%	2%	2%	9%
grade 3 events	3084	3382	2838	2901	3038	6586
	1%	1%	1%	1%	1%	1%
grade 4 events	2757	3256	2766	2847	2977	6451
	1%	1%	1%	1%	1%	1%
grade 5 events	9991	10537	9294	10668	11654	22539
	4%	4%	3%	4%	4%	6%
grade 6 events	5441	6140	5234	5524	6224	77263
	2%	2%	1%	2%	2%	22%
grade 7 events	196719	200787	222201	221990	234018	190820
	82%	81%	84%	84%	84%	55%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	158.810525	158.8095500137997	Subarray requested	NONE	NONE
Pointing Dec	57.798290	57.7708756218103	Alternating exposures requested	N	N
Pointing Roll	238.523270	238.7327807421274	Primary exposure time	0.000000	3.2
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	136898305.184000	136897307.54334			
Observation start date	2002-05-04T11:17:21	2002-05-04T11:01:47			
Observation end time	136938305.184000	136939396.60755			
Observation end date	2002-05-04T22:24:01	2002-05-04T22:43:16			
Read mode	TIMED	TIMED			

## 2.3 Aspect



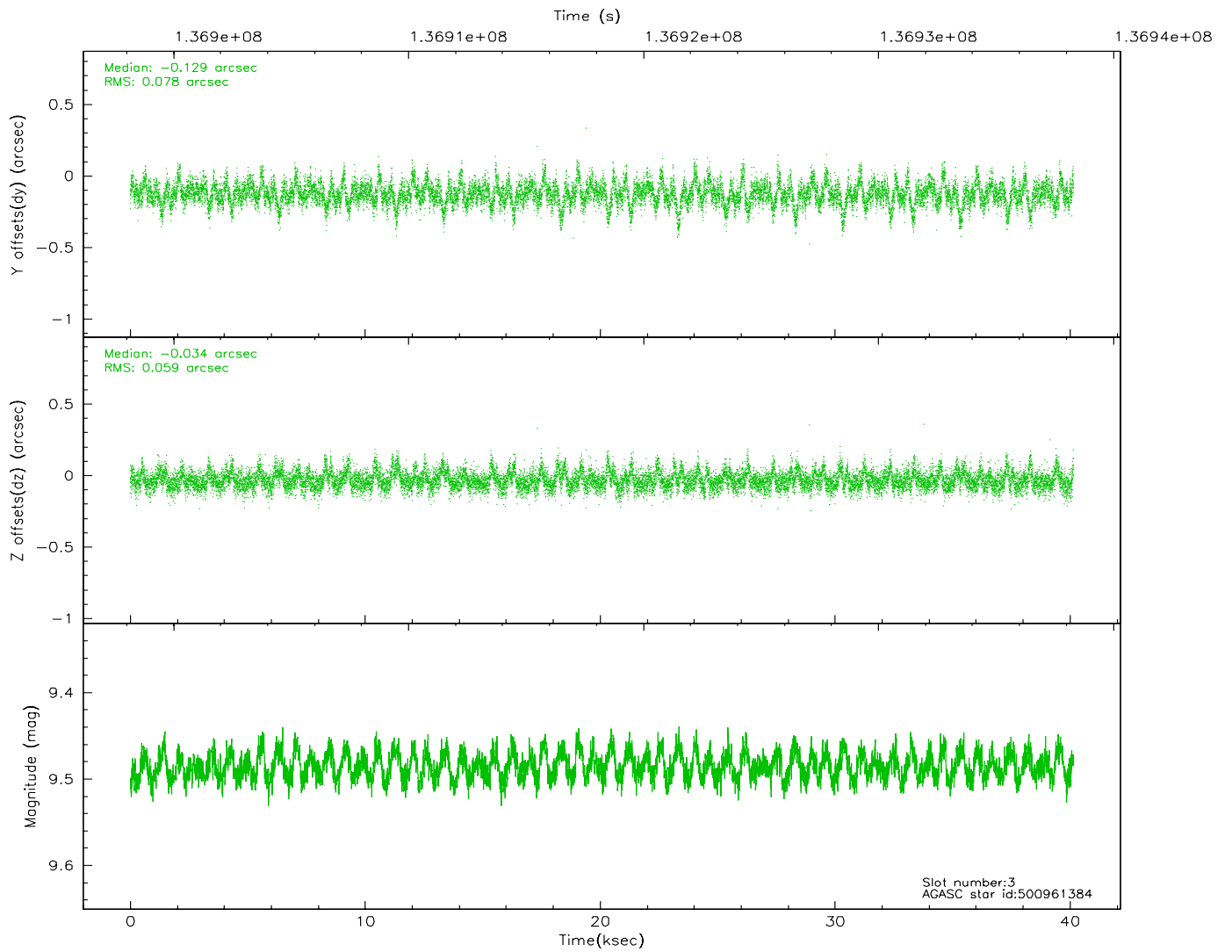
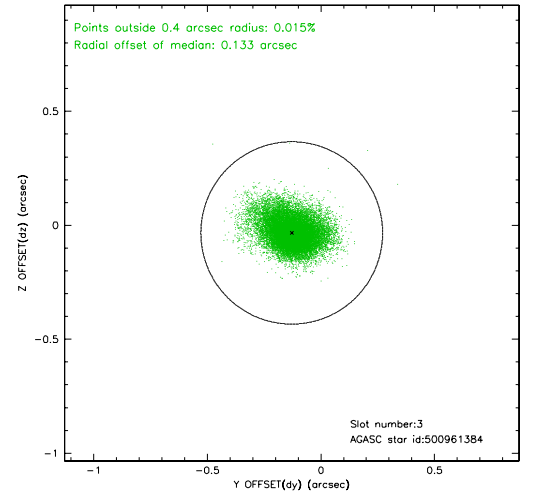
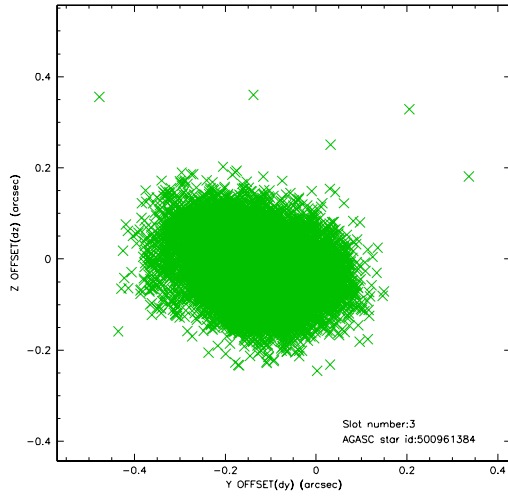


### Slot Statistics

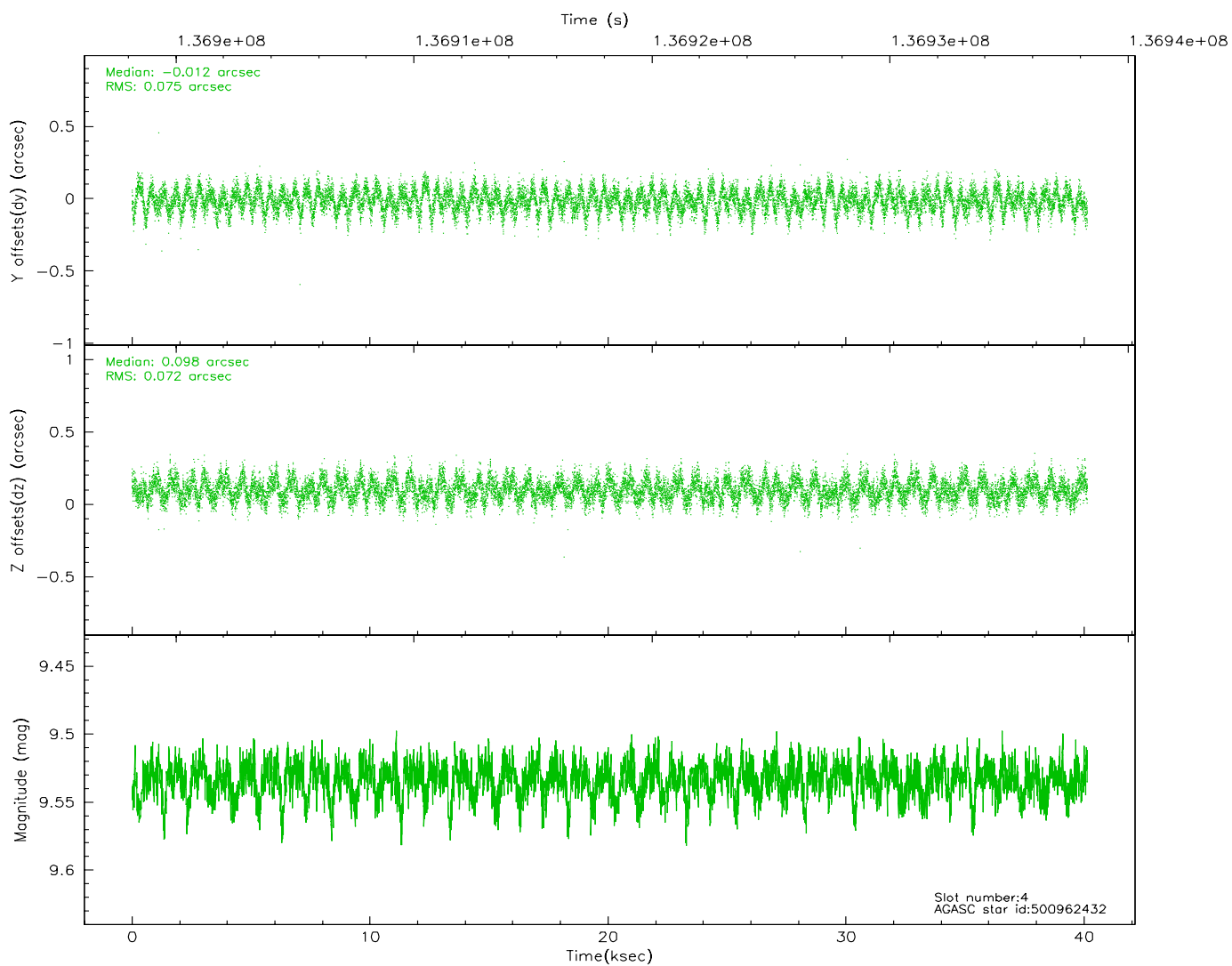
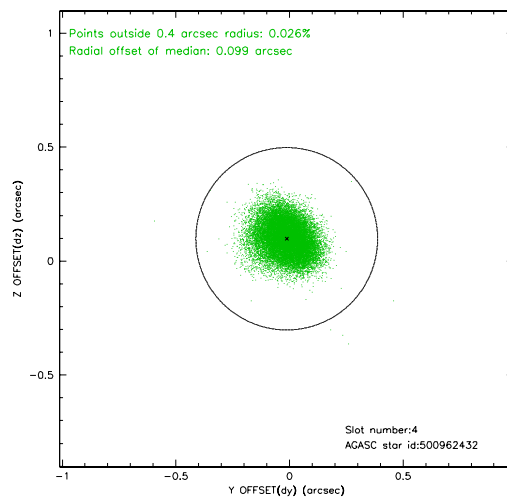
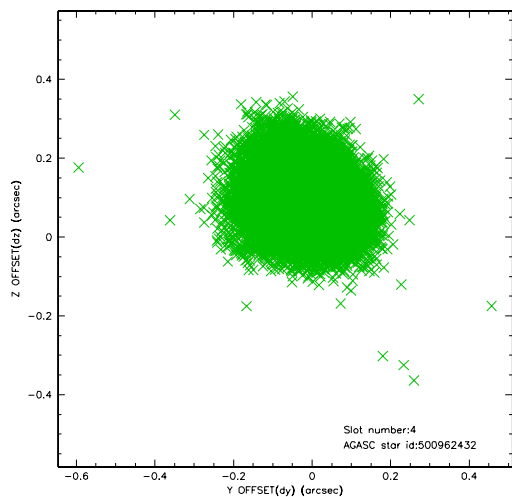
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9787	0.018	0.010	0.011	0.021	0.000000	0.000000	937.79	-830.69
1	FID	ACIS-I-5	7.24	9786	0.145	0.128	0.007	0.011	0.000000	0.000000	-1810.24	1066.83
2	FID	ACIS-I-6	7.25	9783	-0.255	-0.068	0.011	0.027	0.000000	0.000000	402.97	1711.23
3	GUIDE	500961384	9.49	19568	-0.129	-0.034	0.100	0.178	159.416101	58.123584	-1605.43	367.94
4	GUIDE	500962432	9.53	19563	-0.012	0.098	0.111	0.175	158.977500	58.020820	-850.85	-146.48
5	GUIDE	500960944	9.86	19493	0.099	-0.142	0.123	0.210	157.785286	57.689555	1350.34	-1485.32
6	GUIDE	500568656	8.47	19575	0.064	0.094	0.071	0.115	159.217900	57.306375	1093.70	1599.66
7	GUIDE	500568000	9.35	19542	-0.018	-0.011	0.109	0.176	159.814761	57.401116	188.83	2400.73

## 2.4 Star Slots

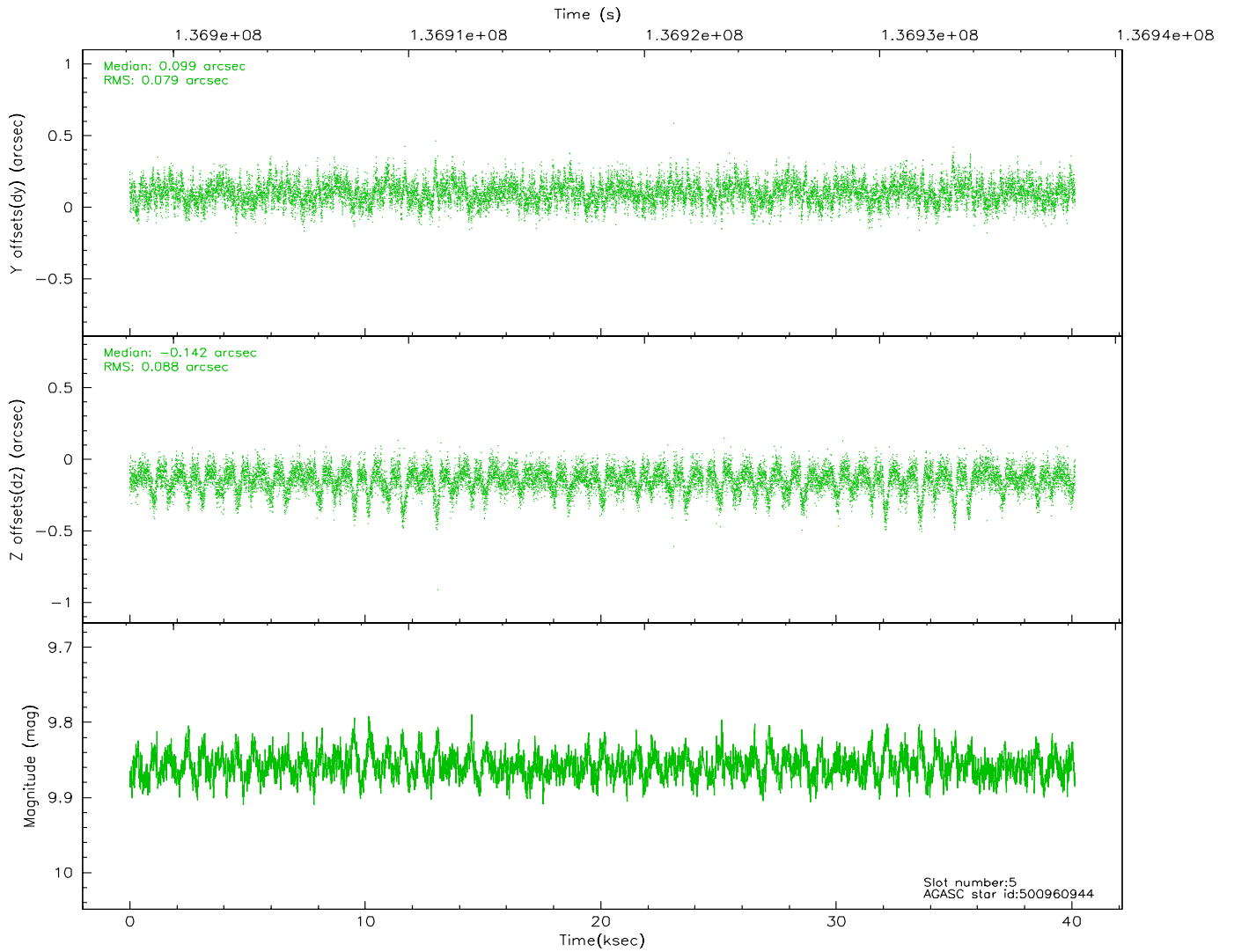
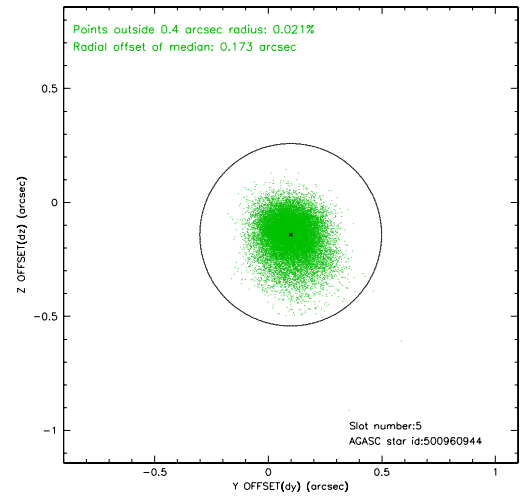
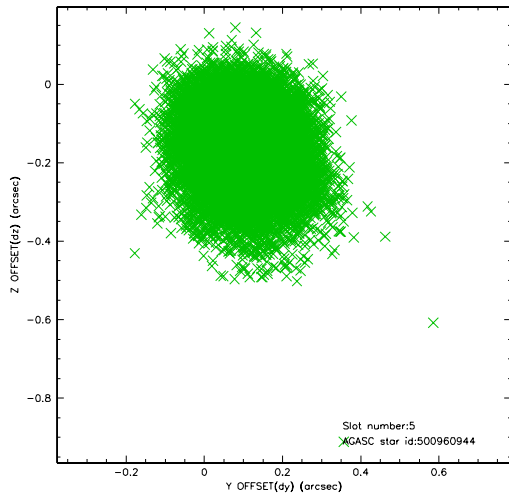
### 2.4.1 Slot 3



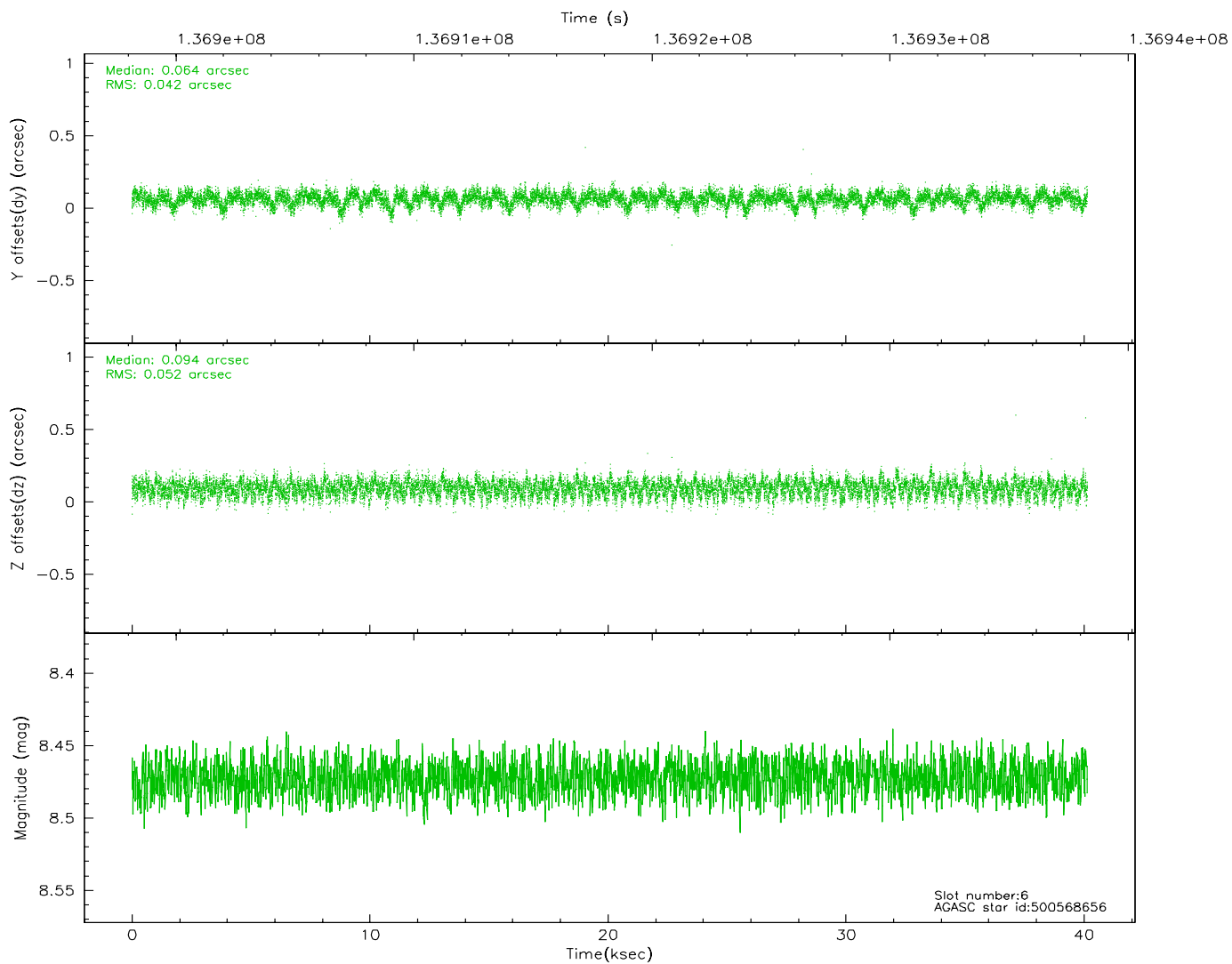
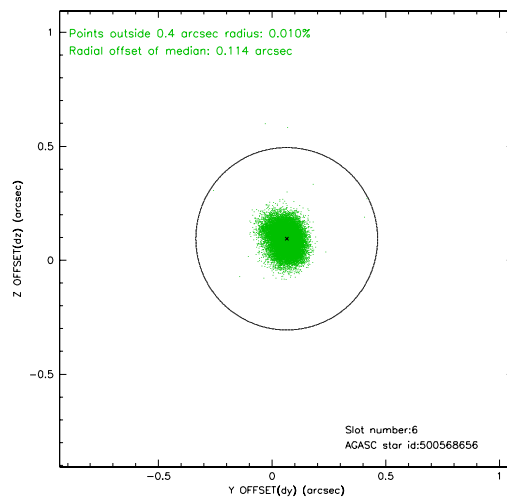
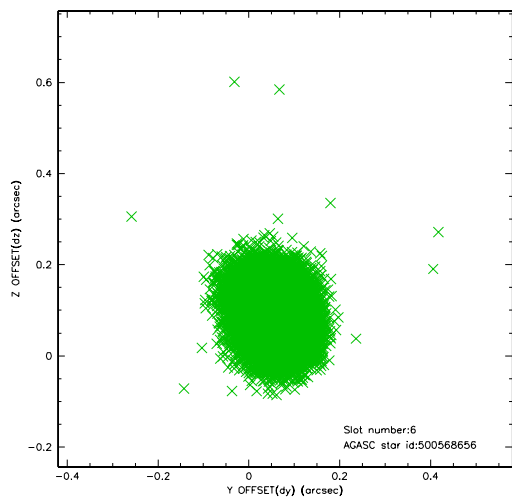
## 2.4.2 Slot 4



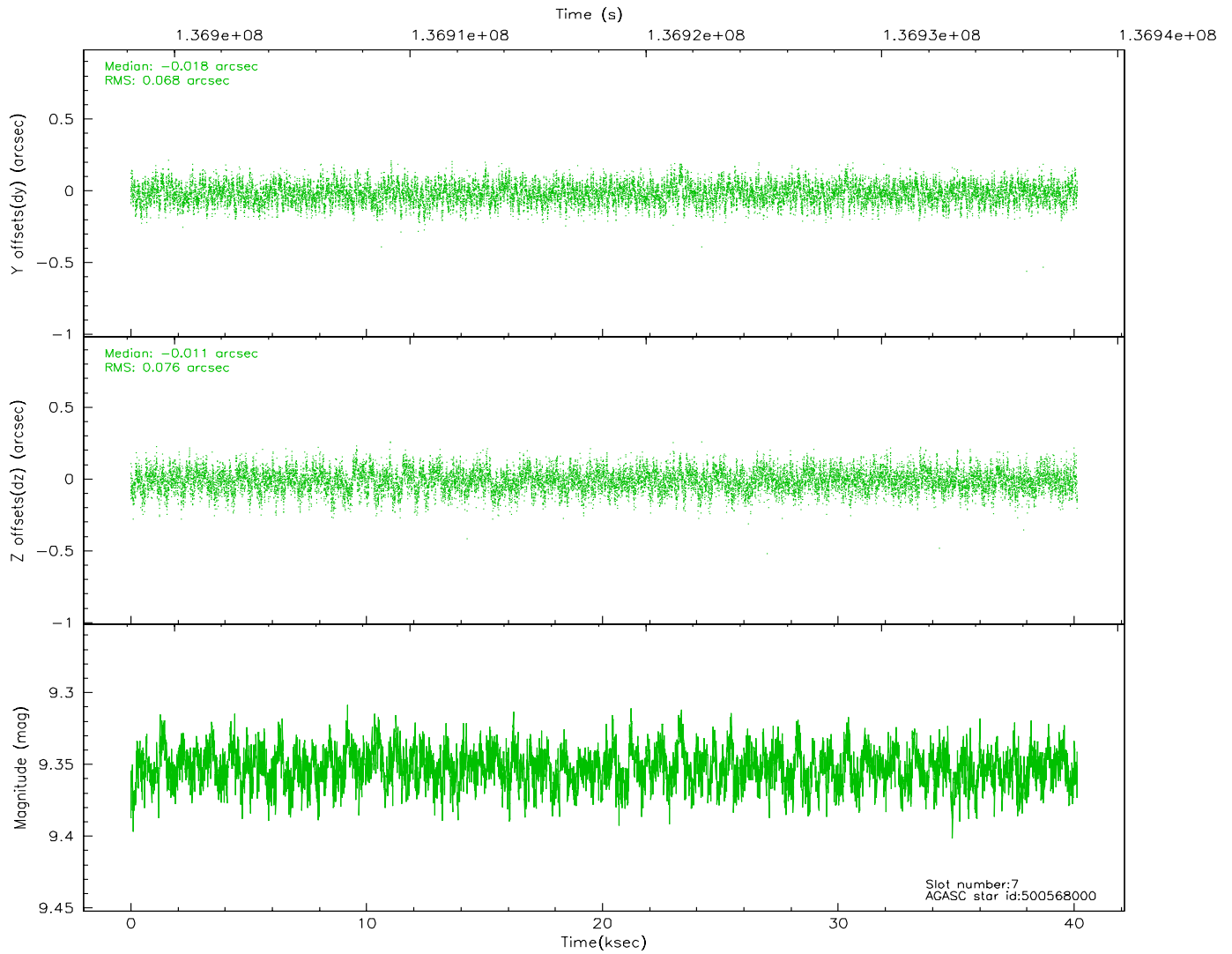
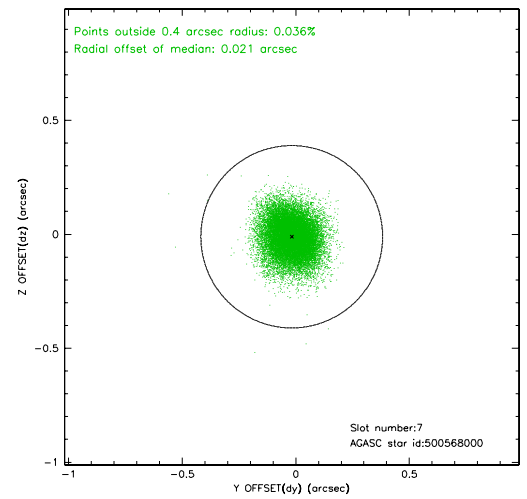
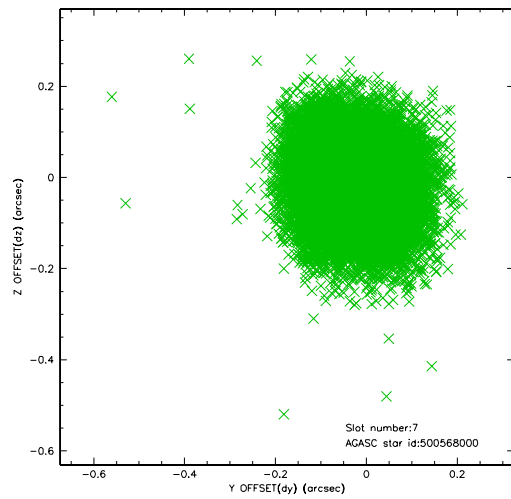
### 2.4.3 Slot 5



## 2.4.4 Slot 6

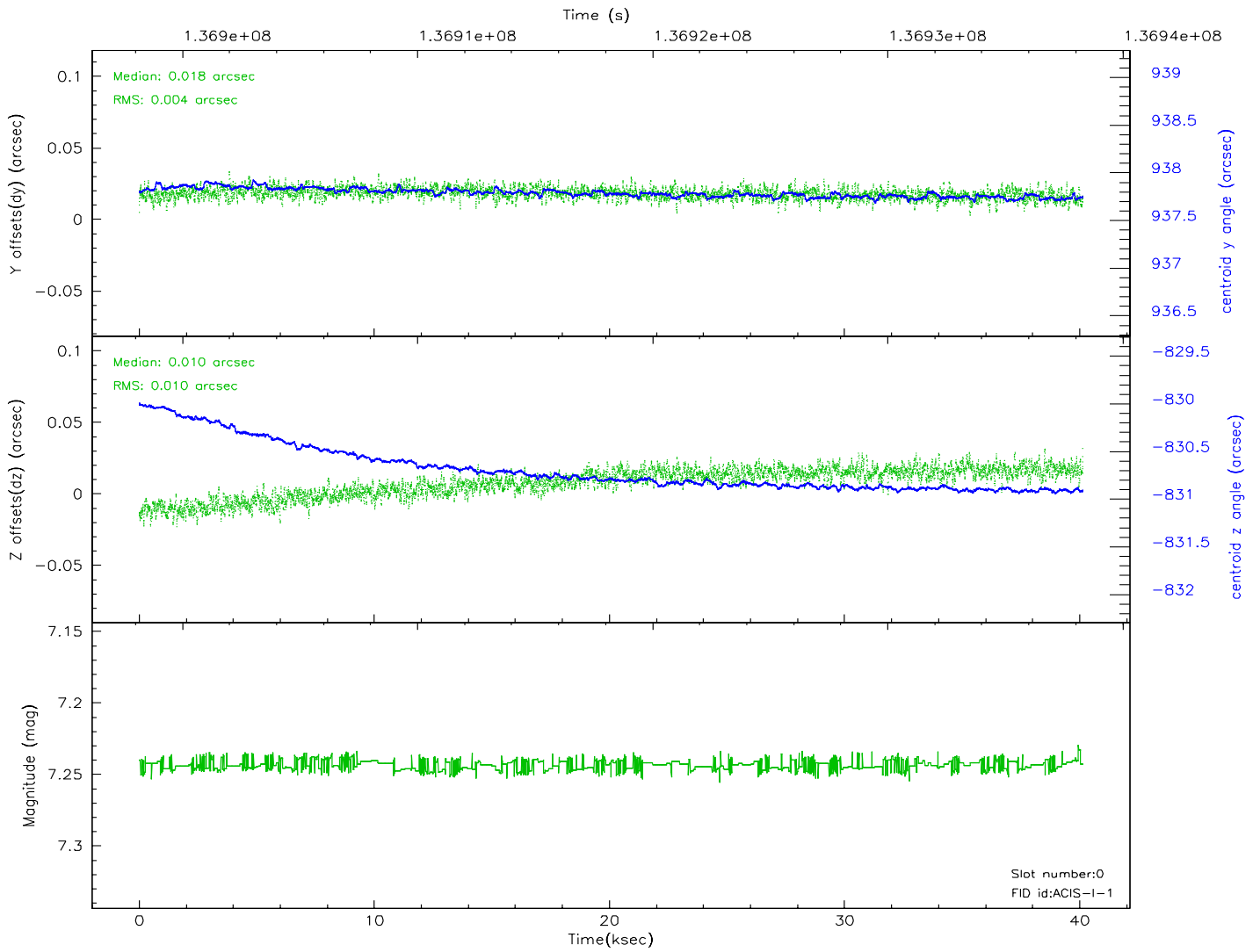
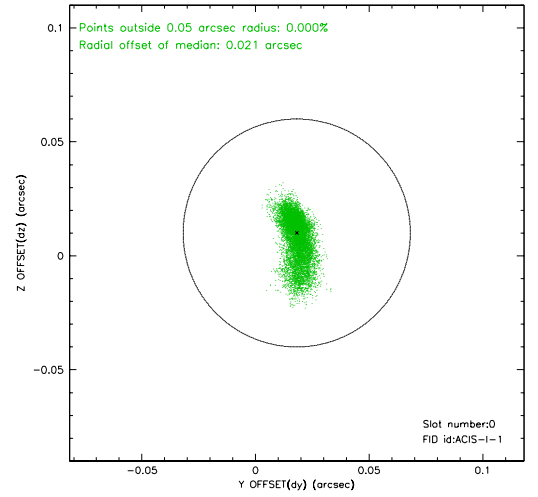
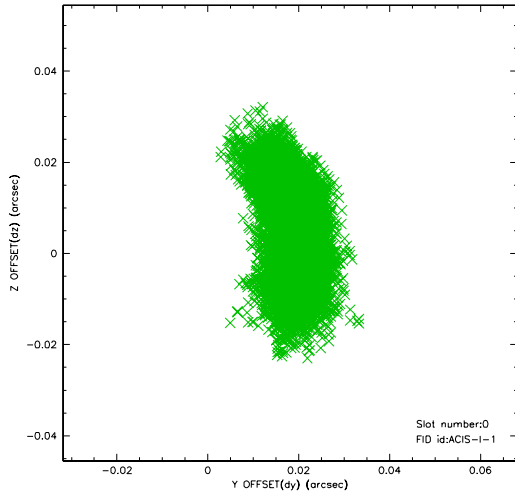


## 2.4.5 Slot 7

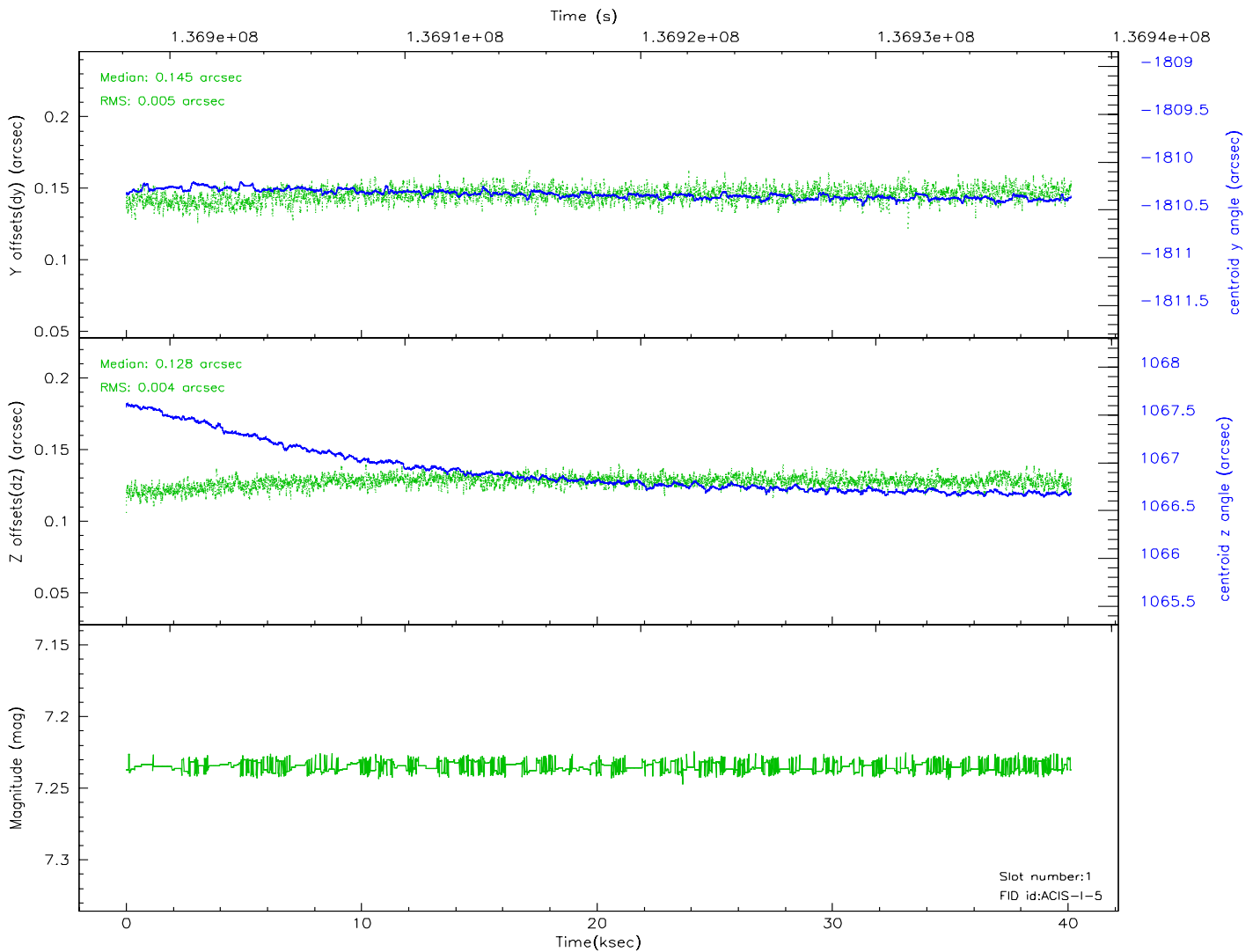
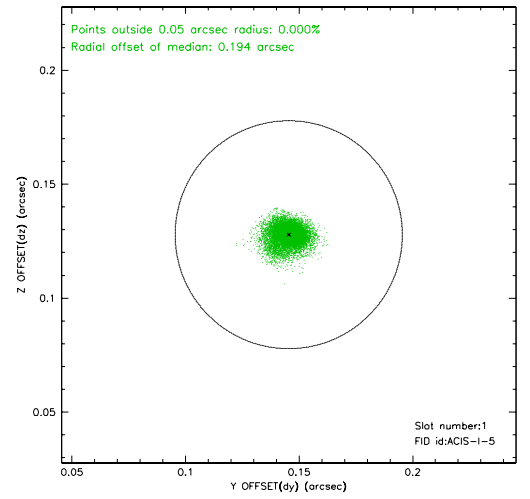
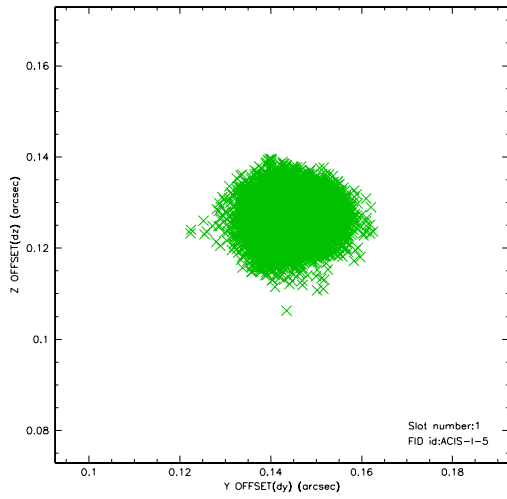


## 2.5 FID Slots

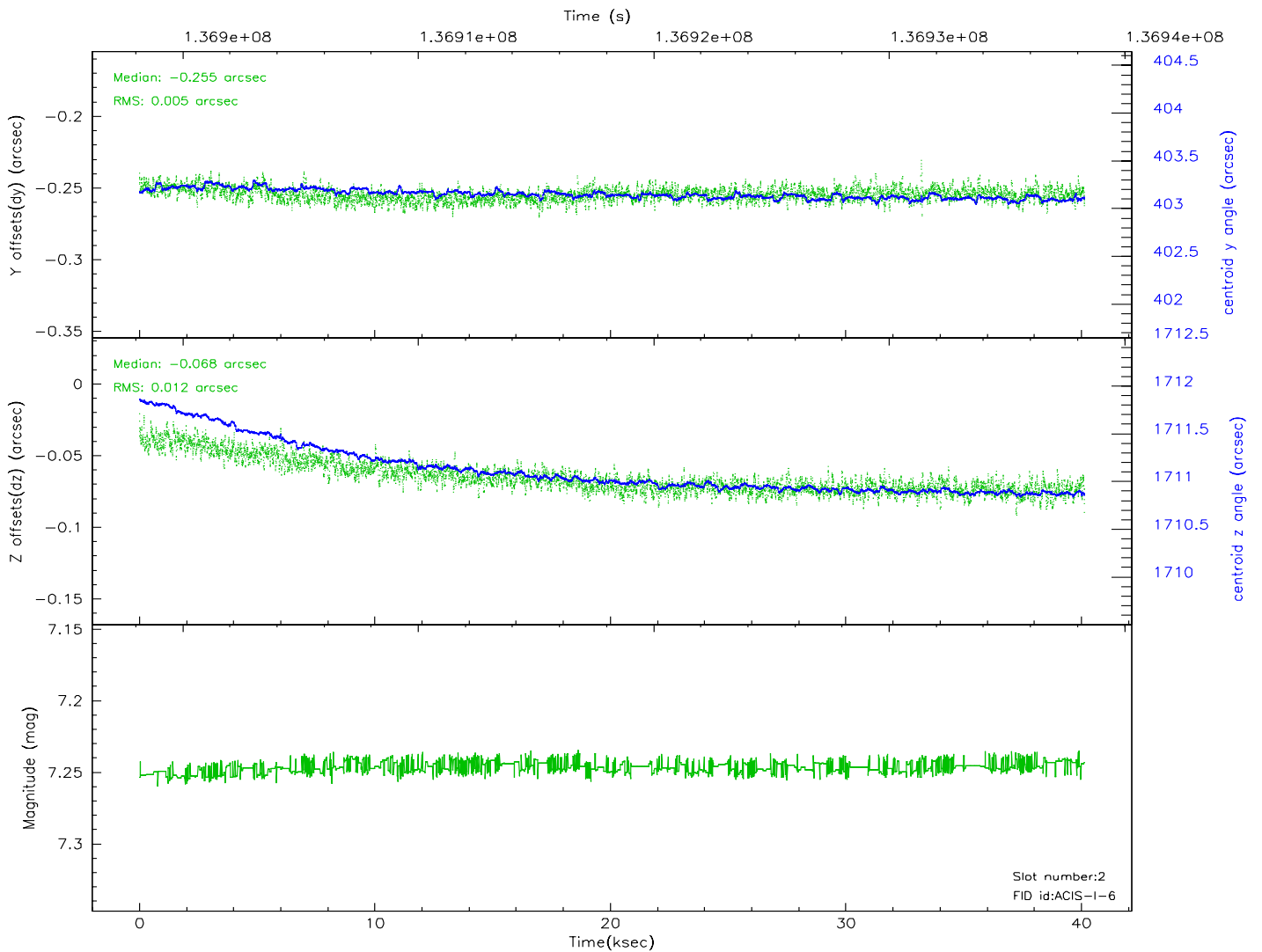
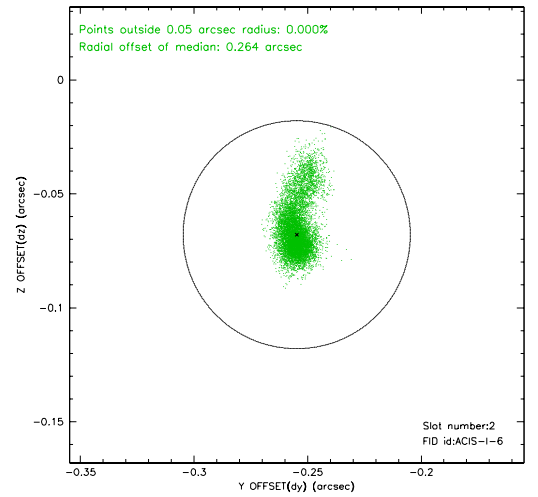
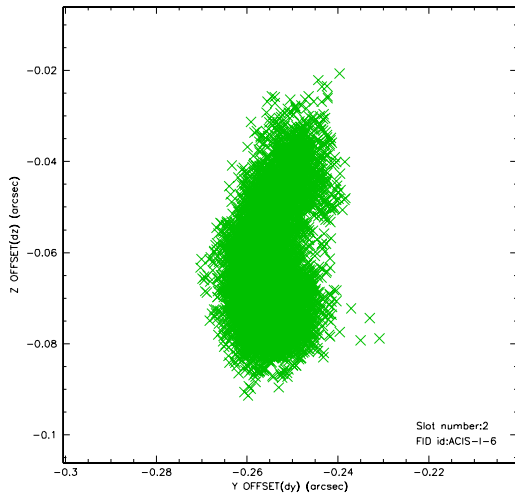
### 2.5.1 Slot 0



## 2.5.2 Slot 1

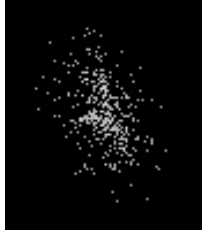


### 2.5.3 Slot 2



### 3 Point Sources

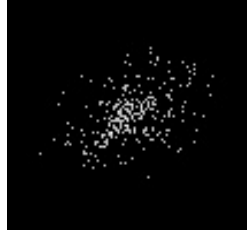
5.59 arcmin



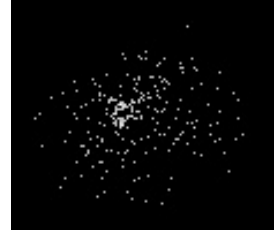
5.14 arcmin



6.35 arcmin



9.53 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.031

## A.2 Comments