

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5564 - L2 Version 002  
Chandra X-Ray Center

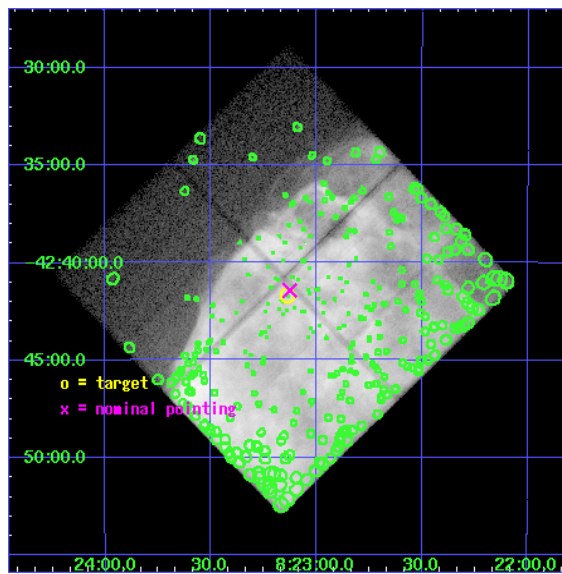
L2 Processing Date : Mar 23 2006

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# 1 Front

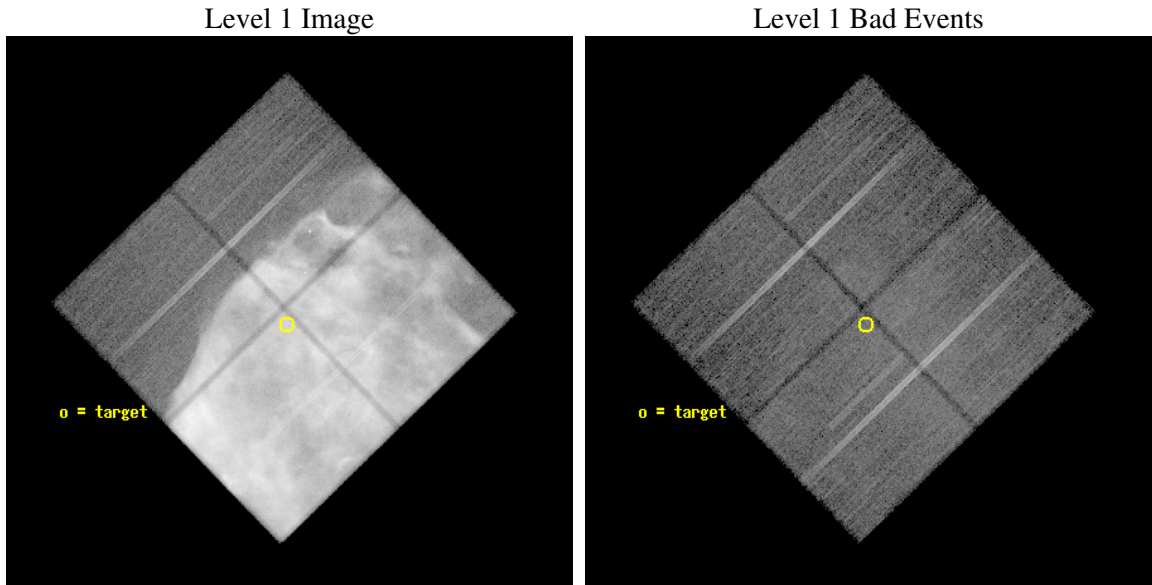
seq_num	500553
obs_id	5564
title	Large-Scale Shock Interactions in Puppis A
observer	Dr Una Hwang
object	Puppis A NE Shock Front
dtcycle	0
cycle	P
ra_targ	125.784
dec_targ	-42.694833
ra_nom	125.78152583742
dec_nom	-42.69057022006
roll_nom	136.00662915647
revision	2
ontime	34478.199933708
livetime	34027.716869092
ontime0	34478.199933708
ontime1	34478.199933708
ontime2	34475.058963418
ontime3	34478.199933708
l2events	4935471



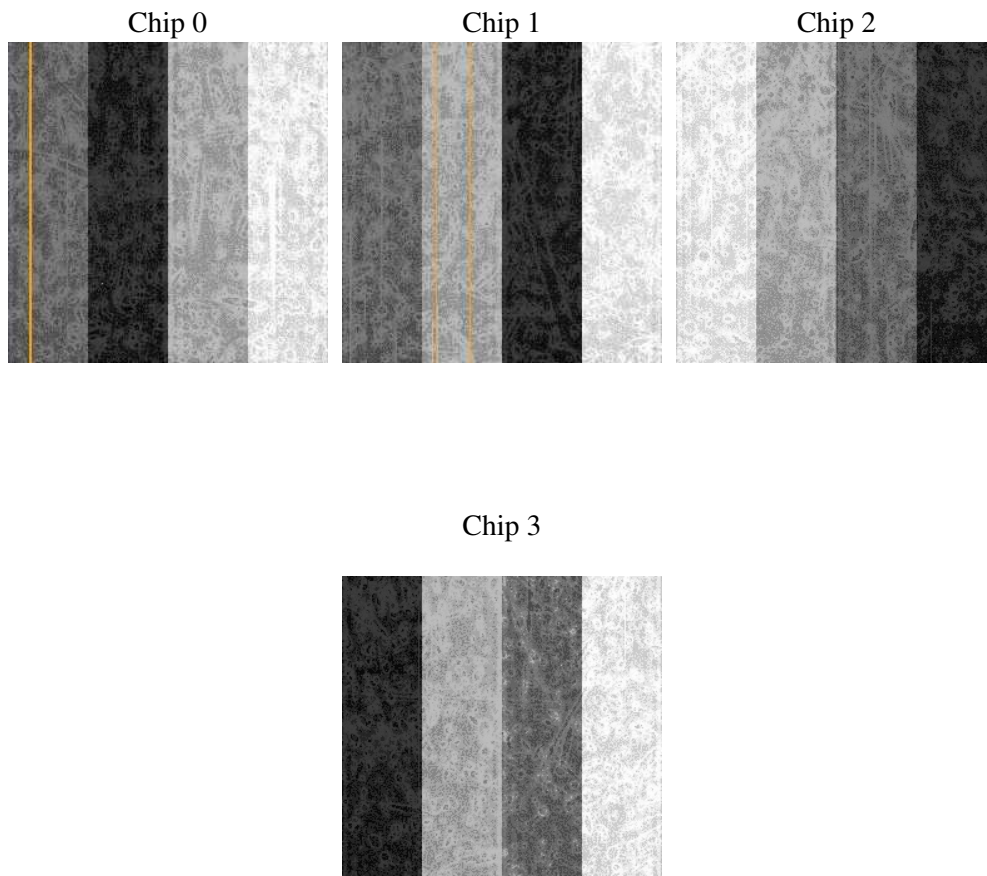
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-23T20:00:22
revision	2

sched_exp_time	34325.273000
ontime	34997.060947835
ontime0	34997.060967743
ontime1	34997.060947835
ontime2	34993.919997454
ontime3	34997.060947835
l1events	6039540

### 2.1.4 Events

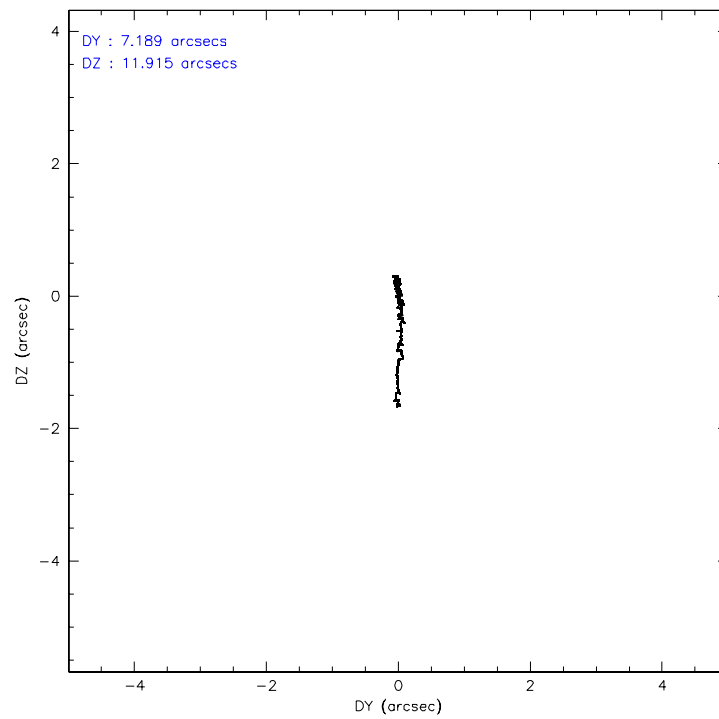
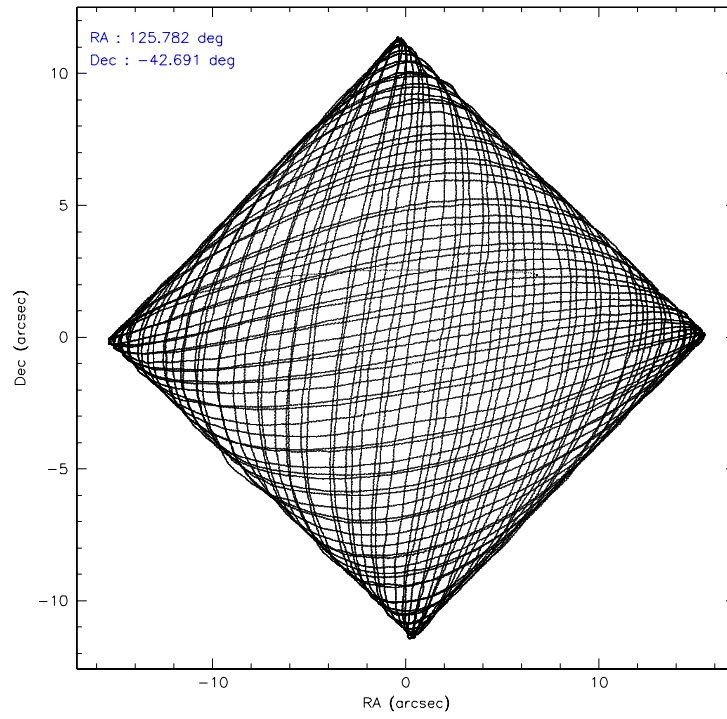
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	639471	662099	1771668	2966302
rejected events	186544	180235	233980	246402
rejected %	29%	27%	13%	8%

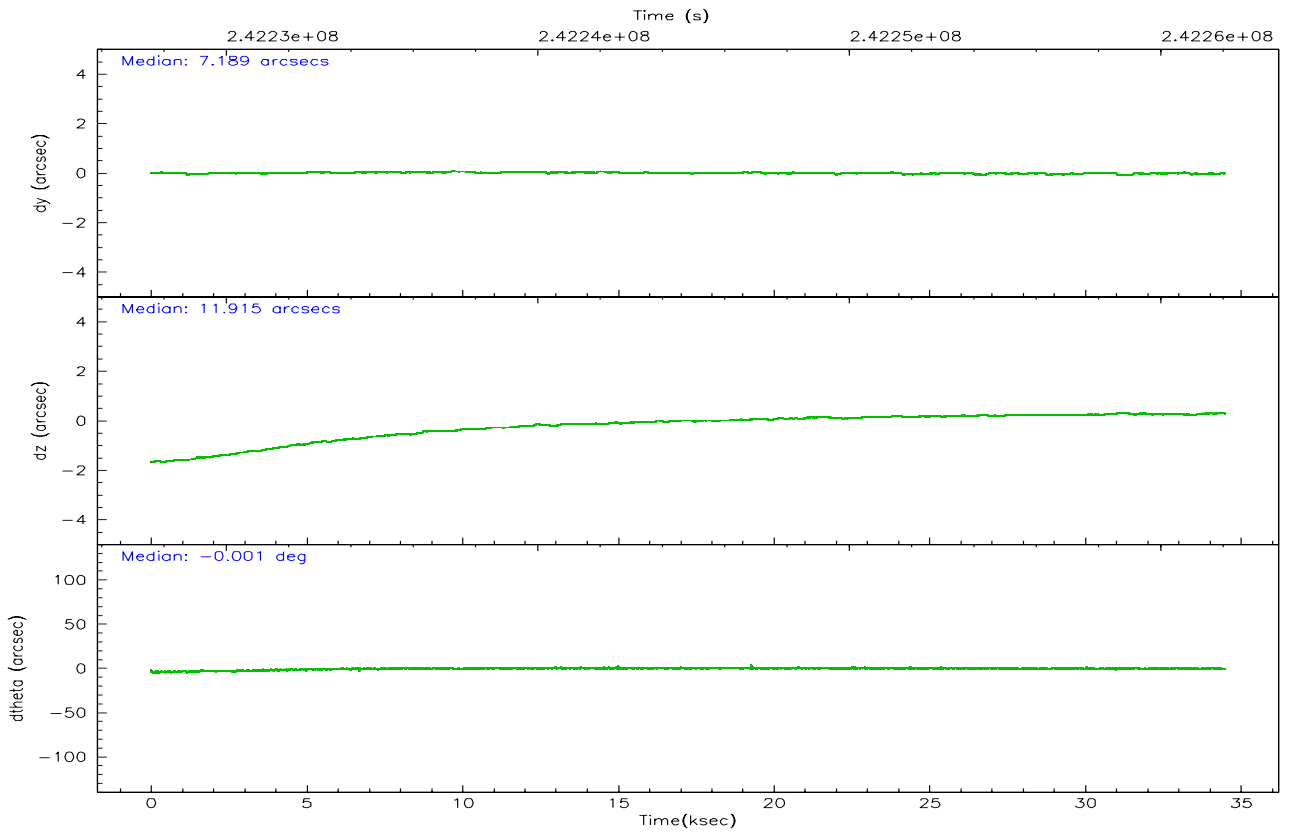
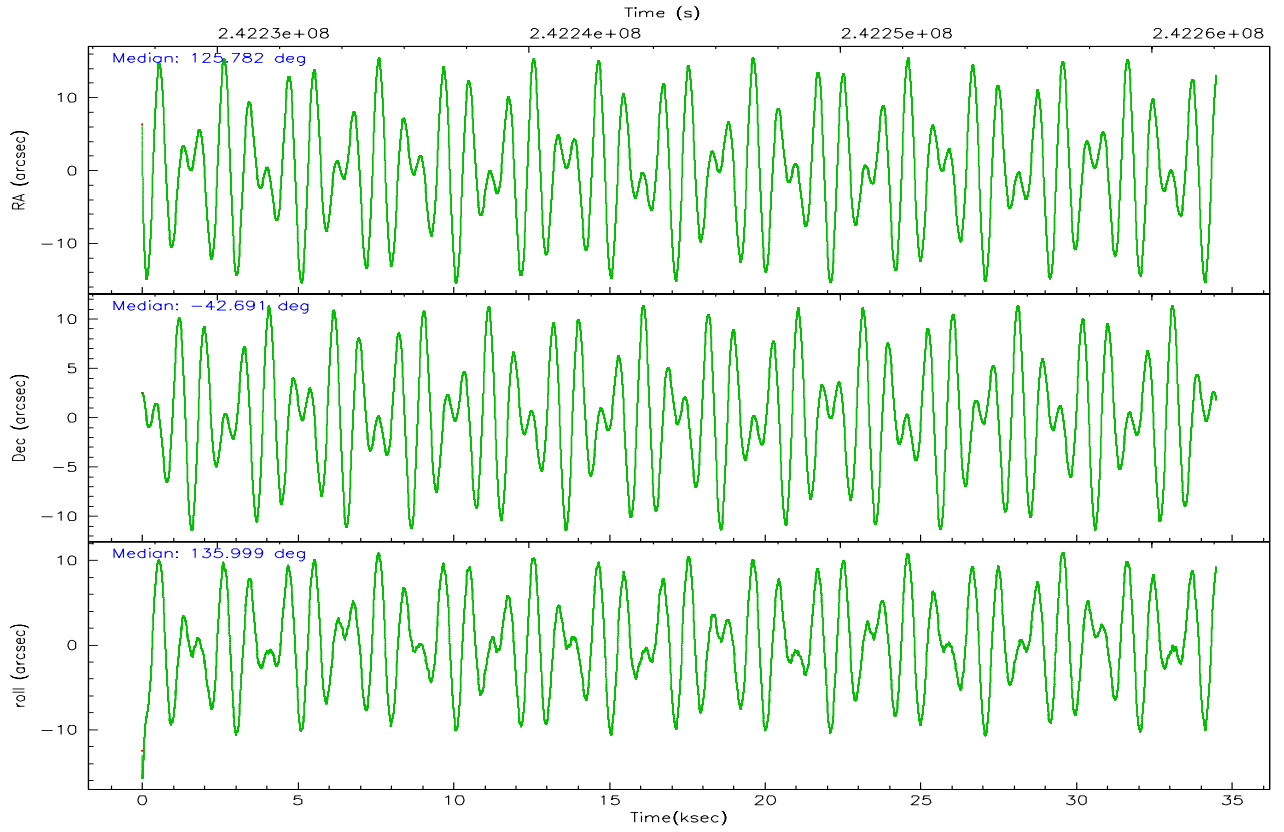
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	398439	422459	1377563	2407542
	62%	63%	77%	81%
grade 1 events	1775	1788	7200	11218
	0%	0%	0%	0%
grade 2 events	34770	37550	105727	201300
	5%	5%	5%	6%
grade 3 events	9083	10162	26112	51516
	1%	1%	1%	1%
grade 4 events	9158	9958	25703	51365
	1%	1%	1%	1%
grade 5 events	7056	8095	9769	14022
	1%	1%	0%	0%
grade 6 events	6329	7434	12162	23435
	0%	1%	0%	0%
grade 7 events	172861	164653	207432	205904
	27%	24%	11%	6%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	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	125.817719	125.7815258374191	Alternating exposures requested	N	N
Pointing Dec	-42.697078	-42.69057022005985	Primary exposure time	0.000000	3.1
Pointing Roll	135.822496	136.0066291564685			
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	242227738.184000	242226565.80644			
Observation start date	2005-09-04T13:27:54	2005-09-04T13:09:25			
Observation end time	242262064.184000	242263019.42062			
Observation end date	2005-09-04T23:00:00	2005-09-04T23:16:59			
Read mode	TIMED	TIMED			

## 2.3 Aspect



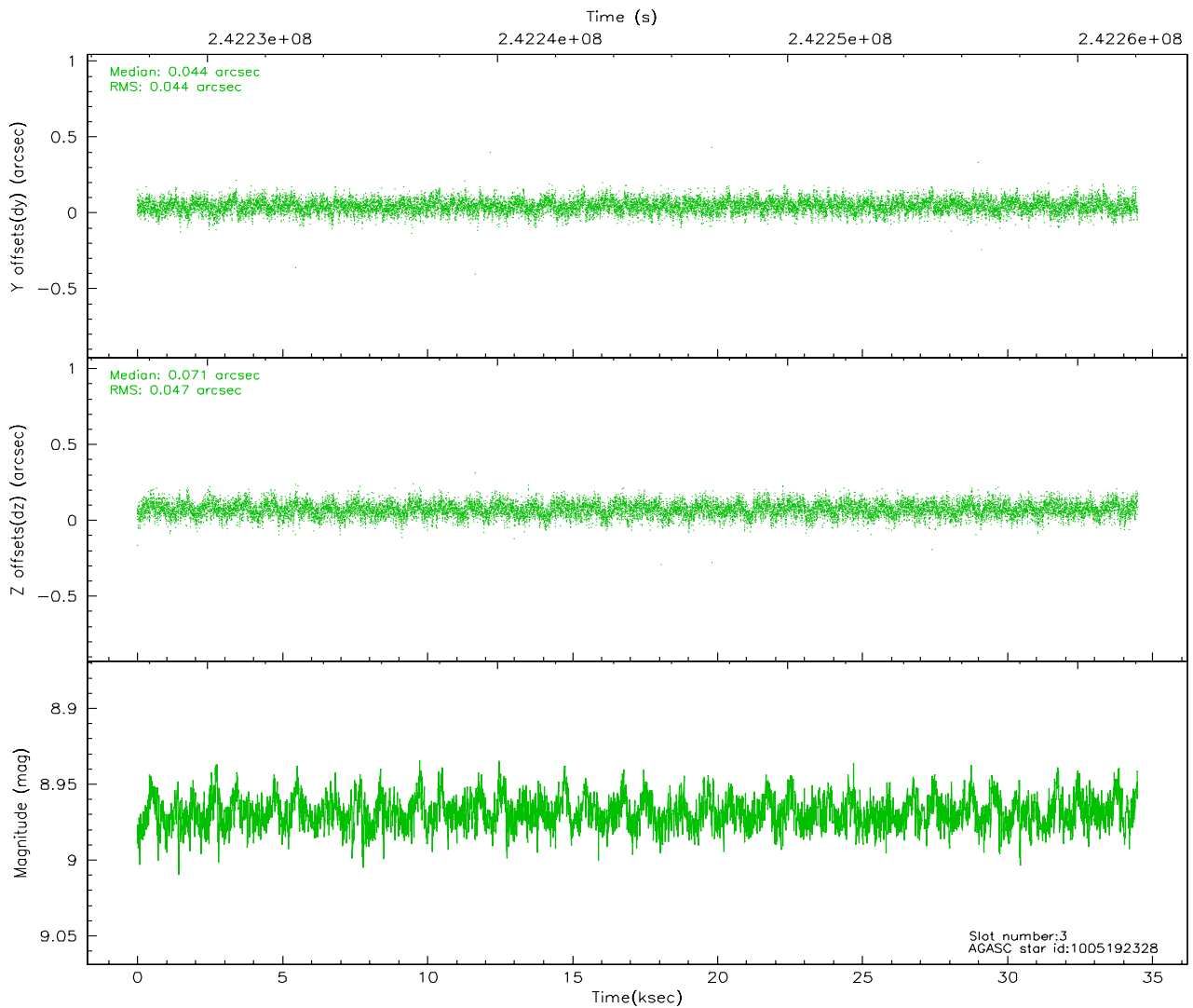
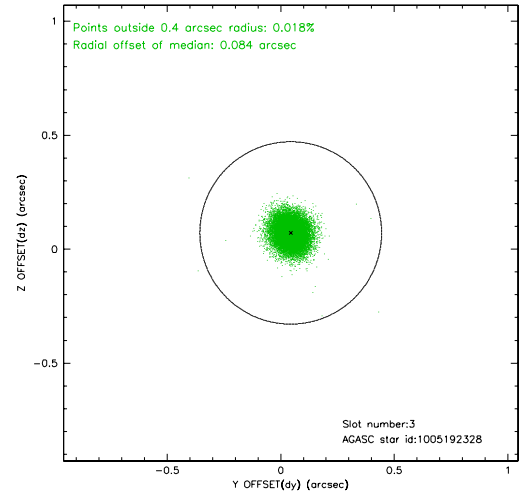
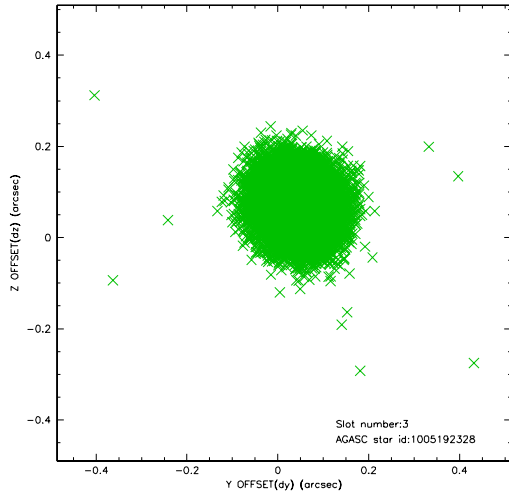


### Slot Statistics

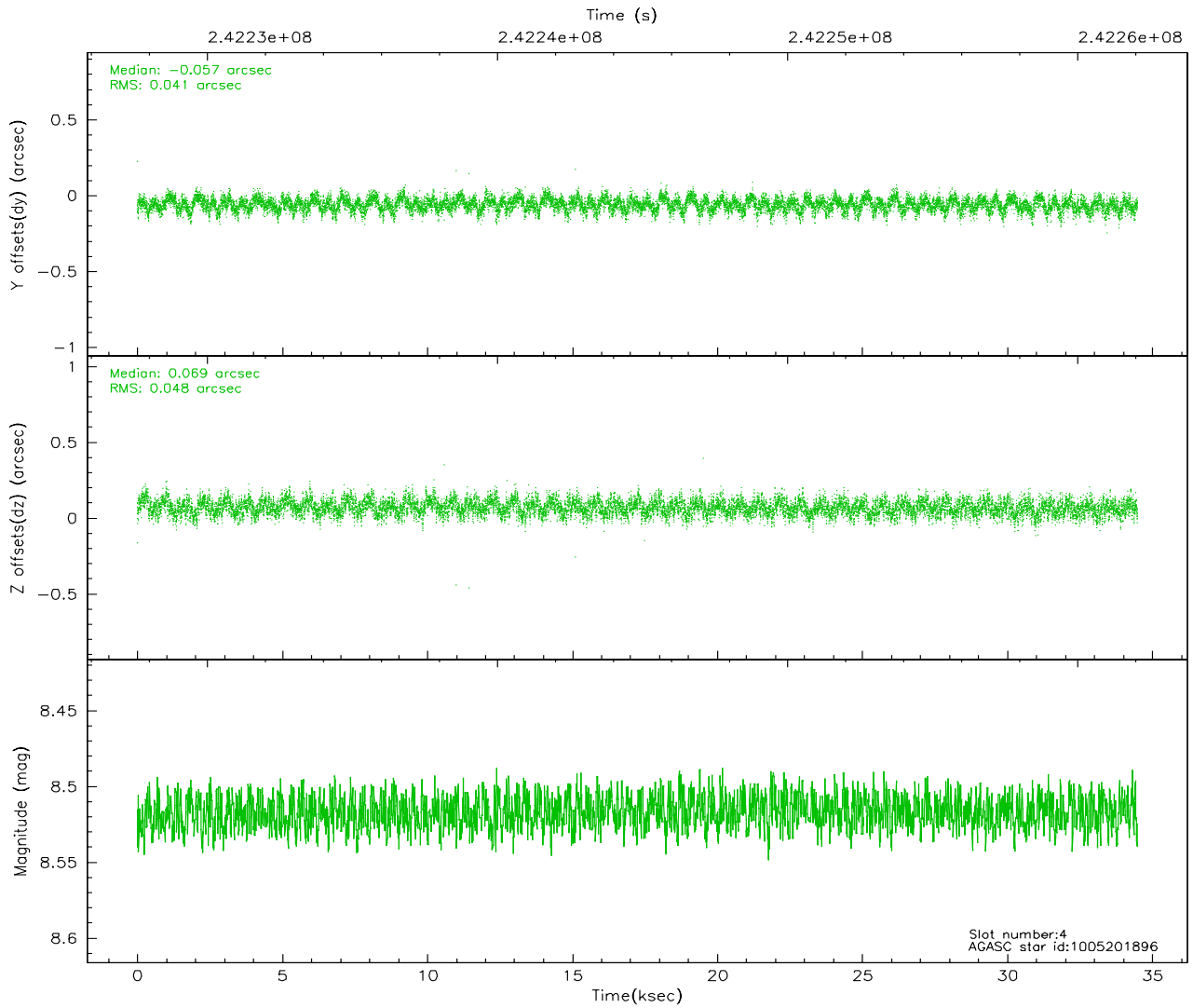
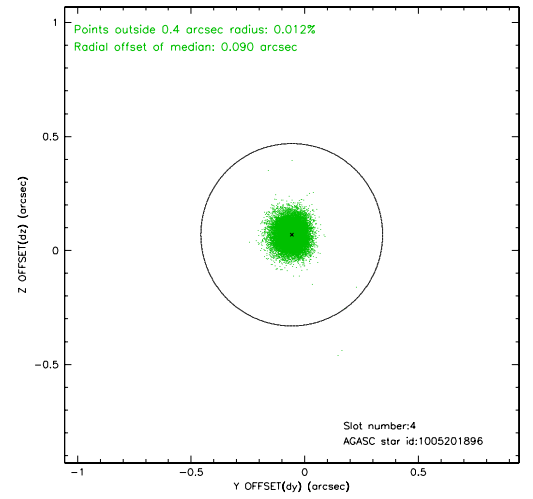
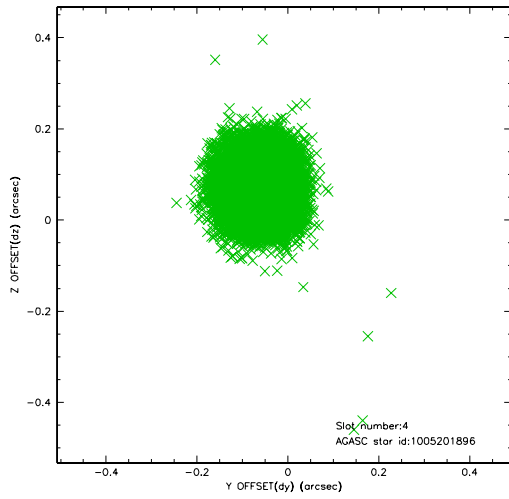
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	8412	0.021	0.017	0.013	0.025	0.000000	0.000000	932.48	-835.21
1	FID	ACIS-I-5	7.23	8412	-0.136	0.052	0.009	0.025	0.000000	0.000000	-1815.72	1062.35
2	FID	ACIS-I-6	7.25	8409	0.023	0.002	0.016	0.031	0.000000	0.000000	398.04	1706.81
3	GUIDE	1005192328	8.97	16819	0.044	0.071	0.069	0.111	126.494374	-42.919317	-1841.62	-664.19
4	GUIDE	1005201896	8.52	16812	-0.057	0.069	0.068	0.108	126.670468	-42.695868	-1622.83	-1567.27
5	GUIDE	1005216672	7.94	16824	-0.053	-0.043	0.078	0.126	125.948907	-42.033869	1412.41	-1956.27
6	GUIDE	1005724040	7.60	16824	-0.036	-0.137	0.104	0.162	125.738175	-43.227880	-1182.04	1515.81
7	GUIDE	1005199176	9.34	16807	0.099	0.030	0.104	0.167	125.827015	-41.895026	1994.82	-2087.61

## 2.4 Star Slots

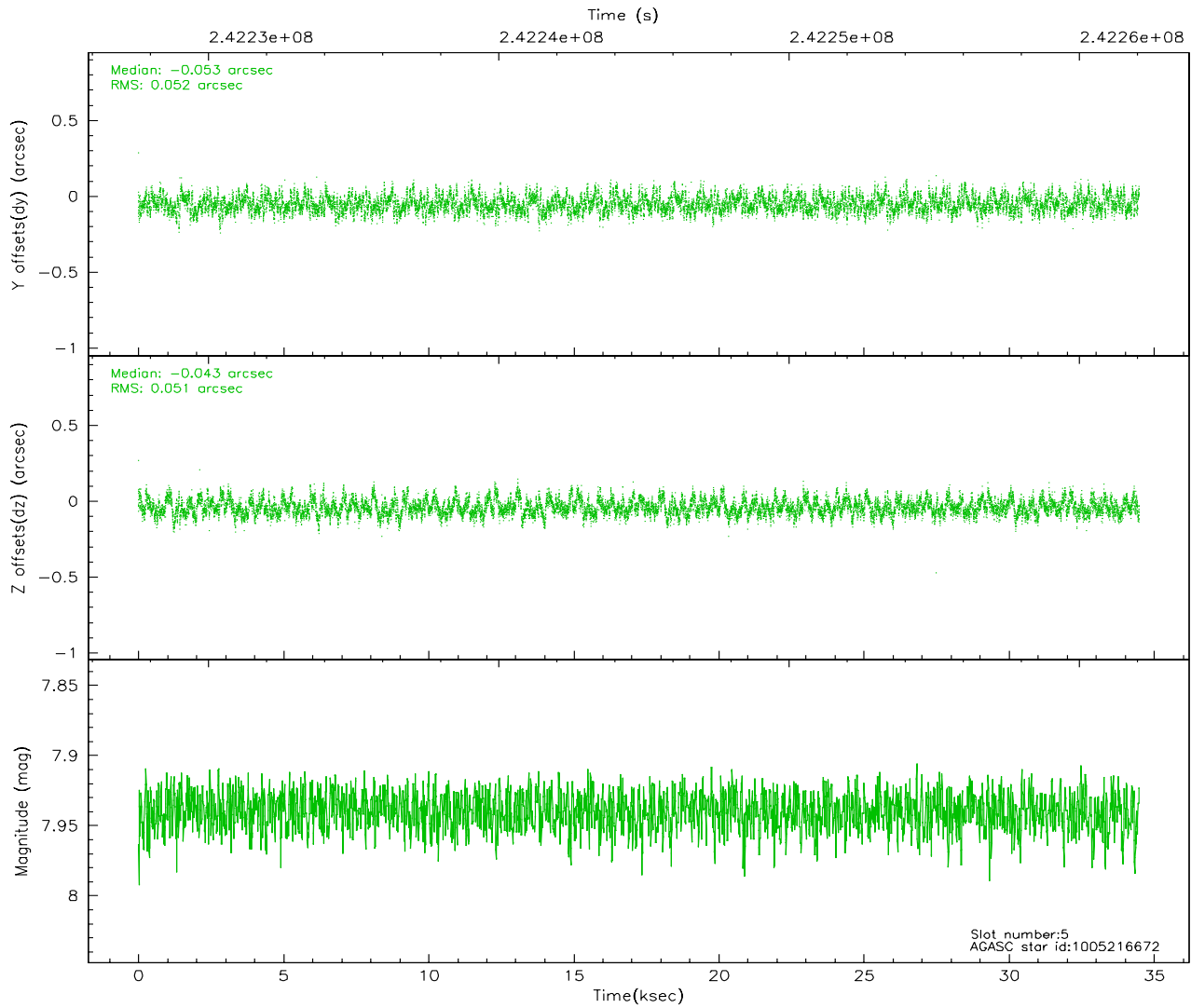
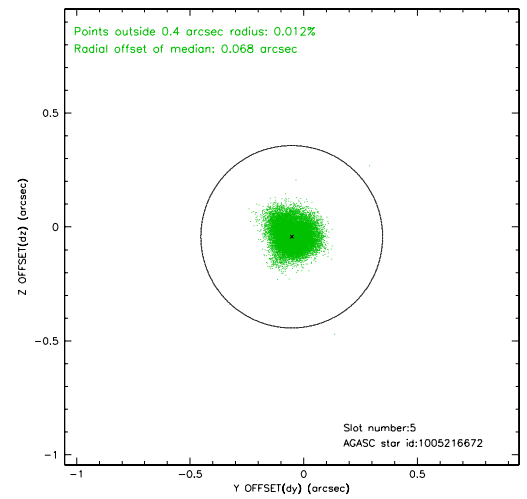
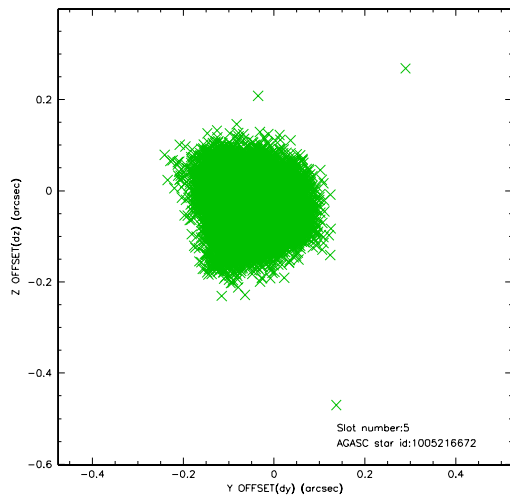
### 2.4.1 Slot 3



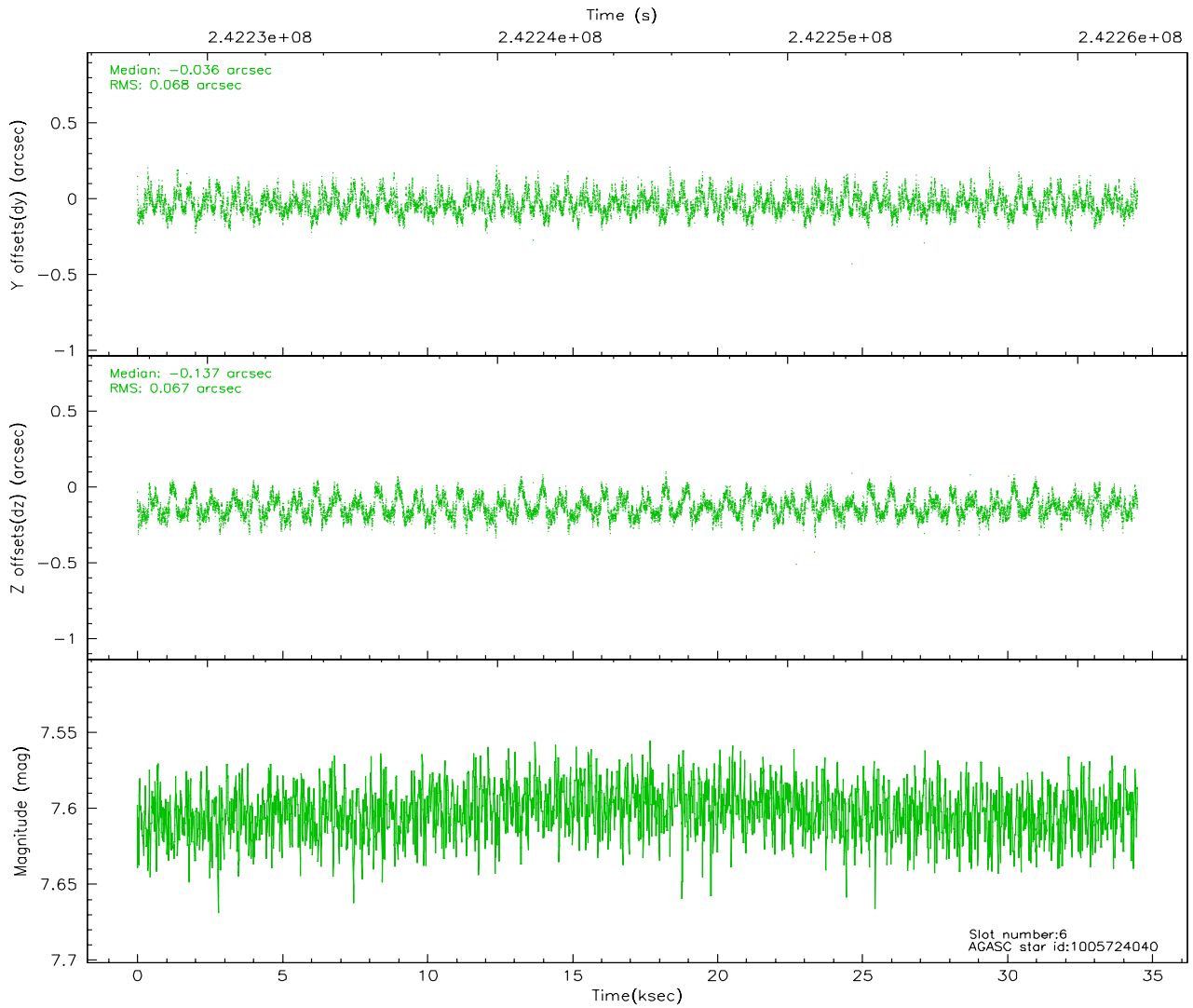
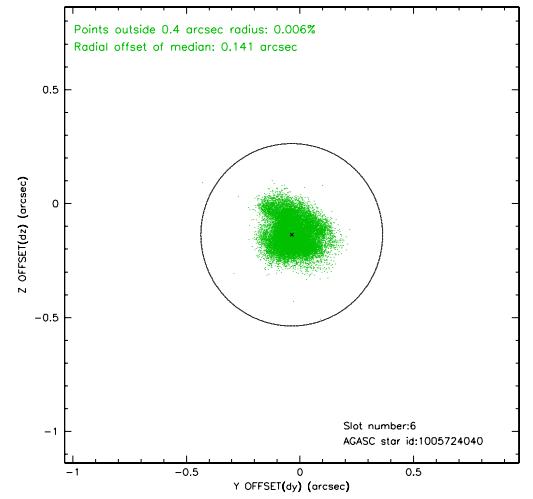
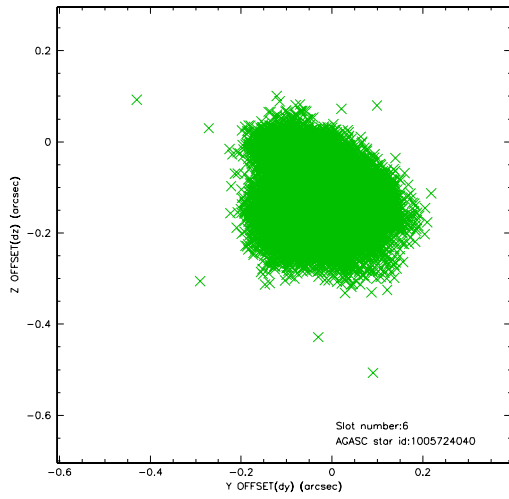
## 2.4.2 Slot 4



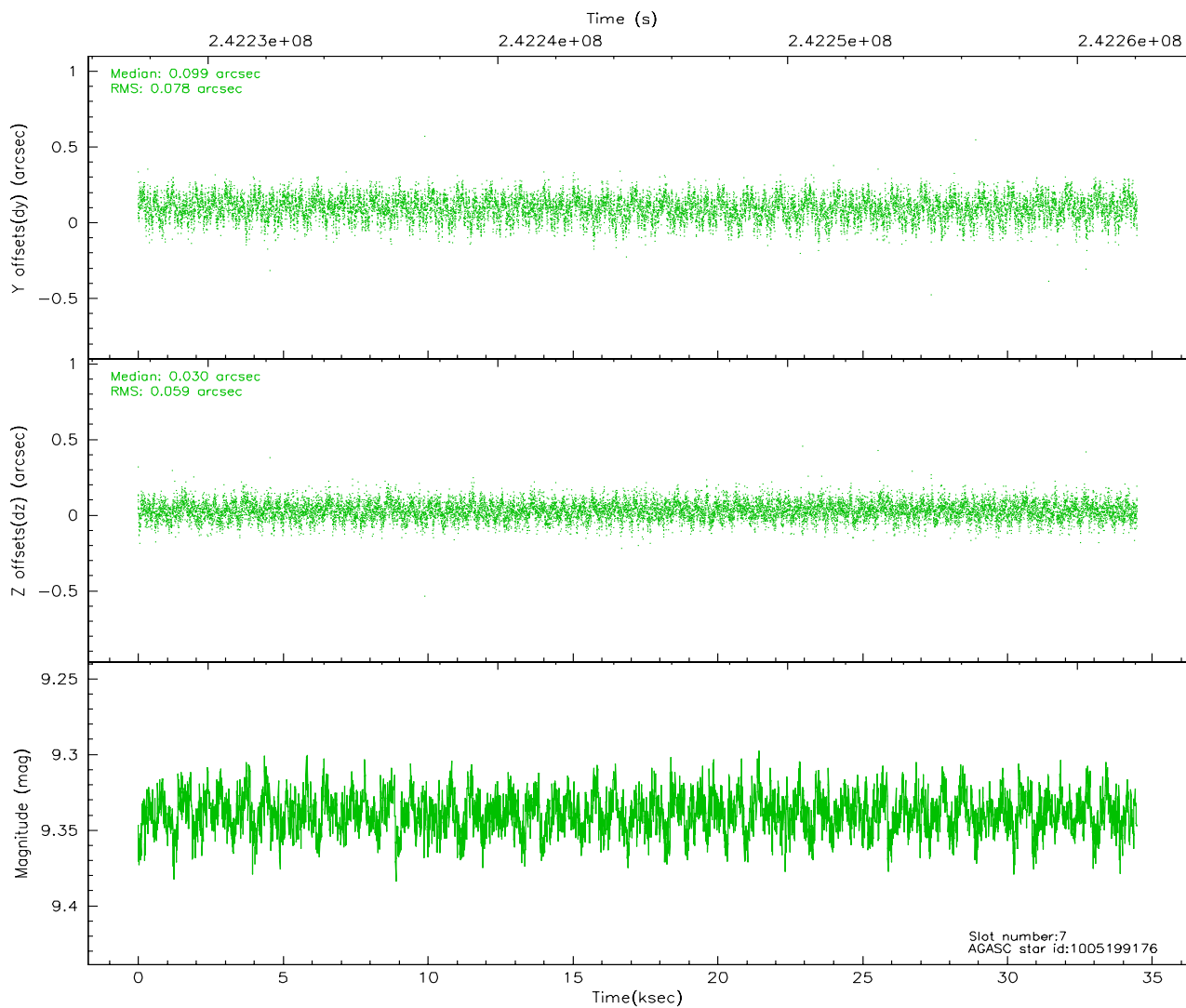
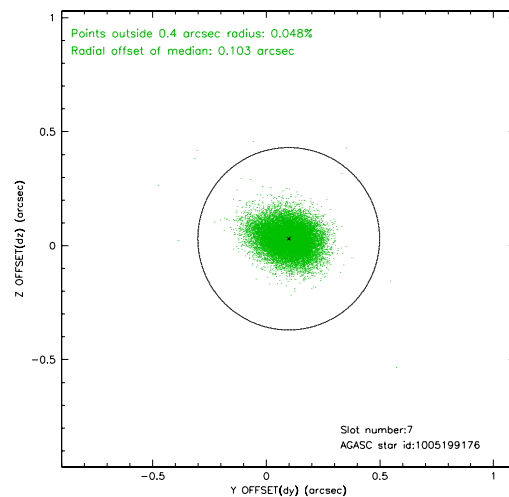
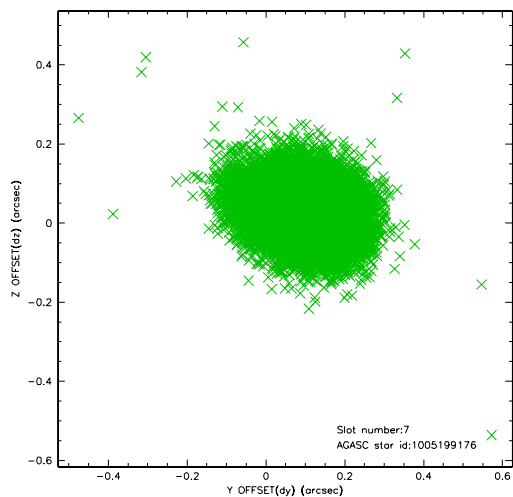
### 2.4.3 Slot 5



### 2.4.4 Slot 6

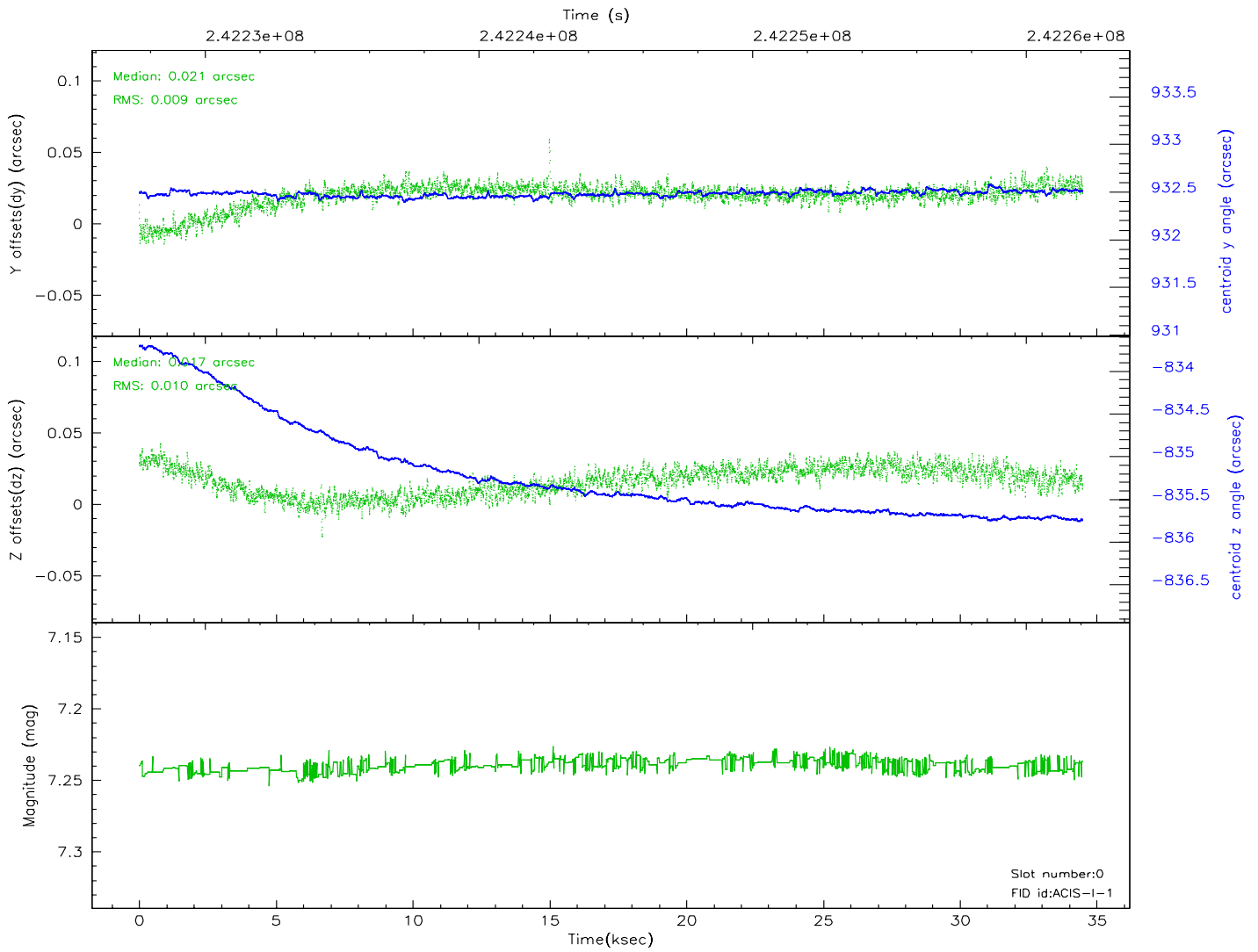
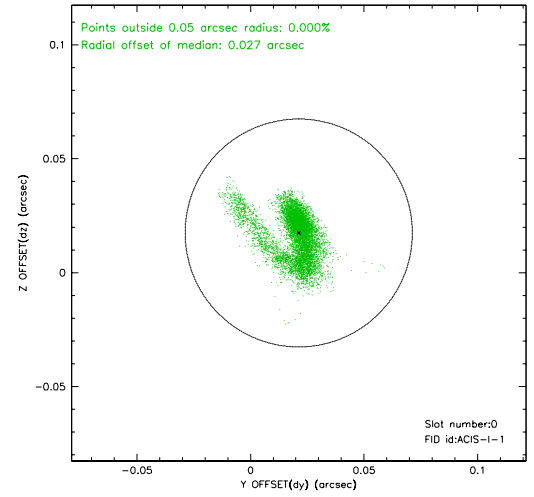
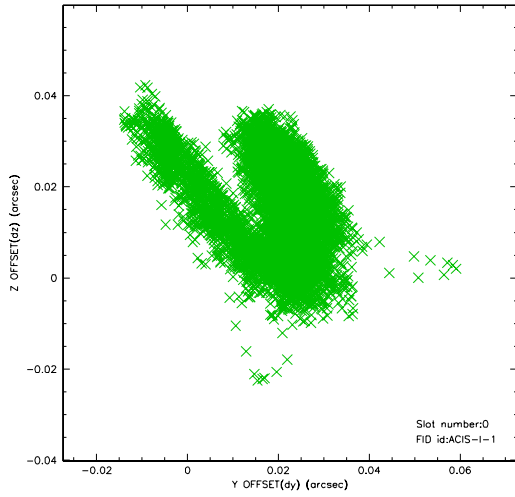


## 2.4.5 Slot 7

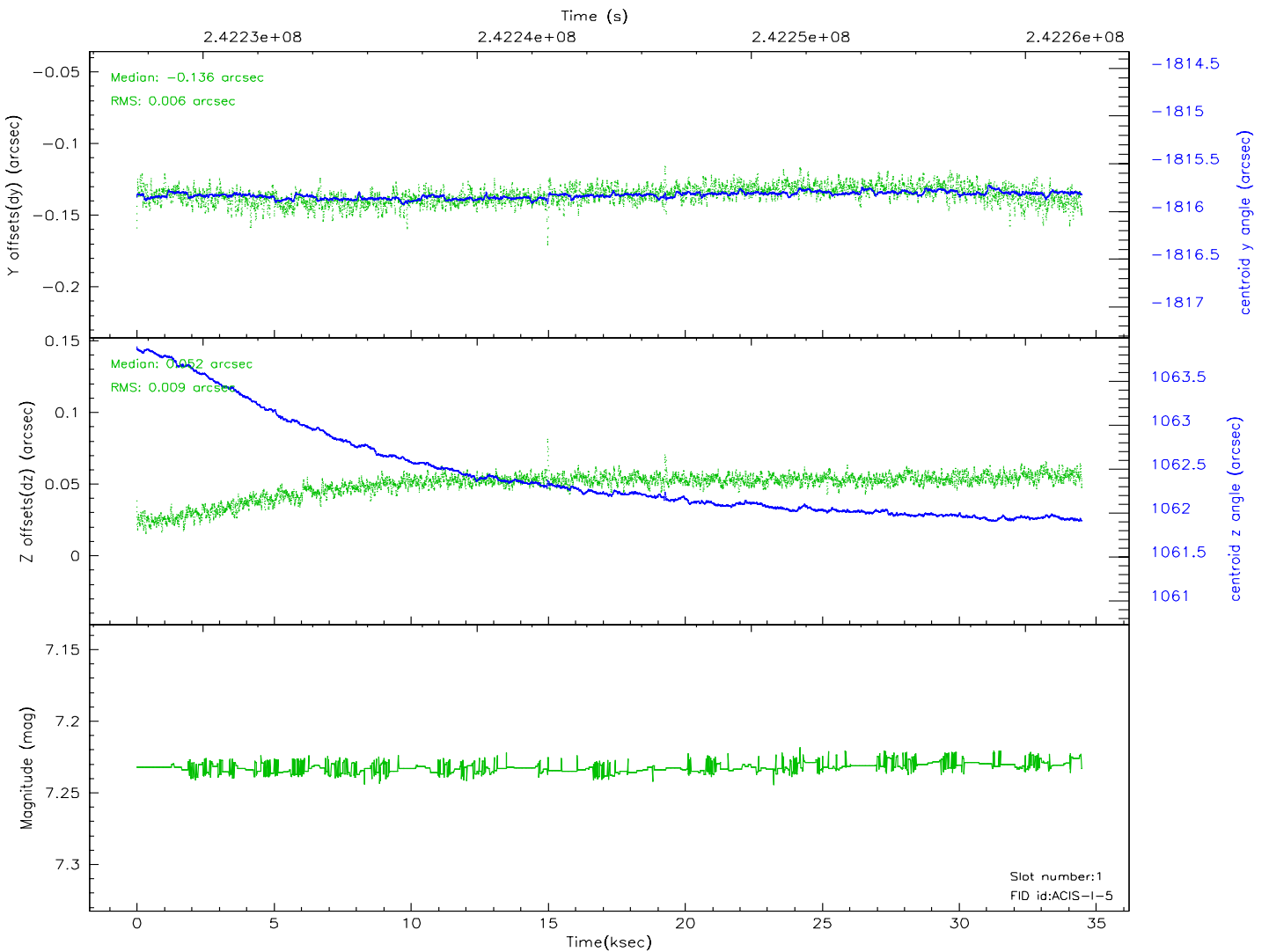
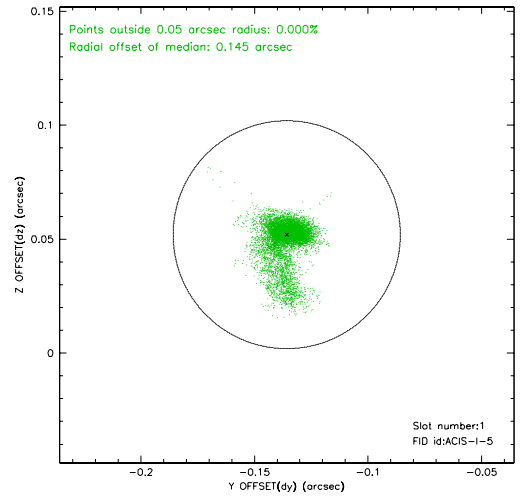
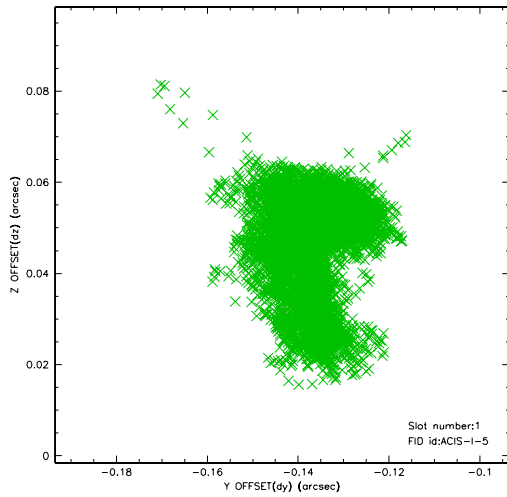


## 2.5 FID Slots

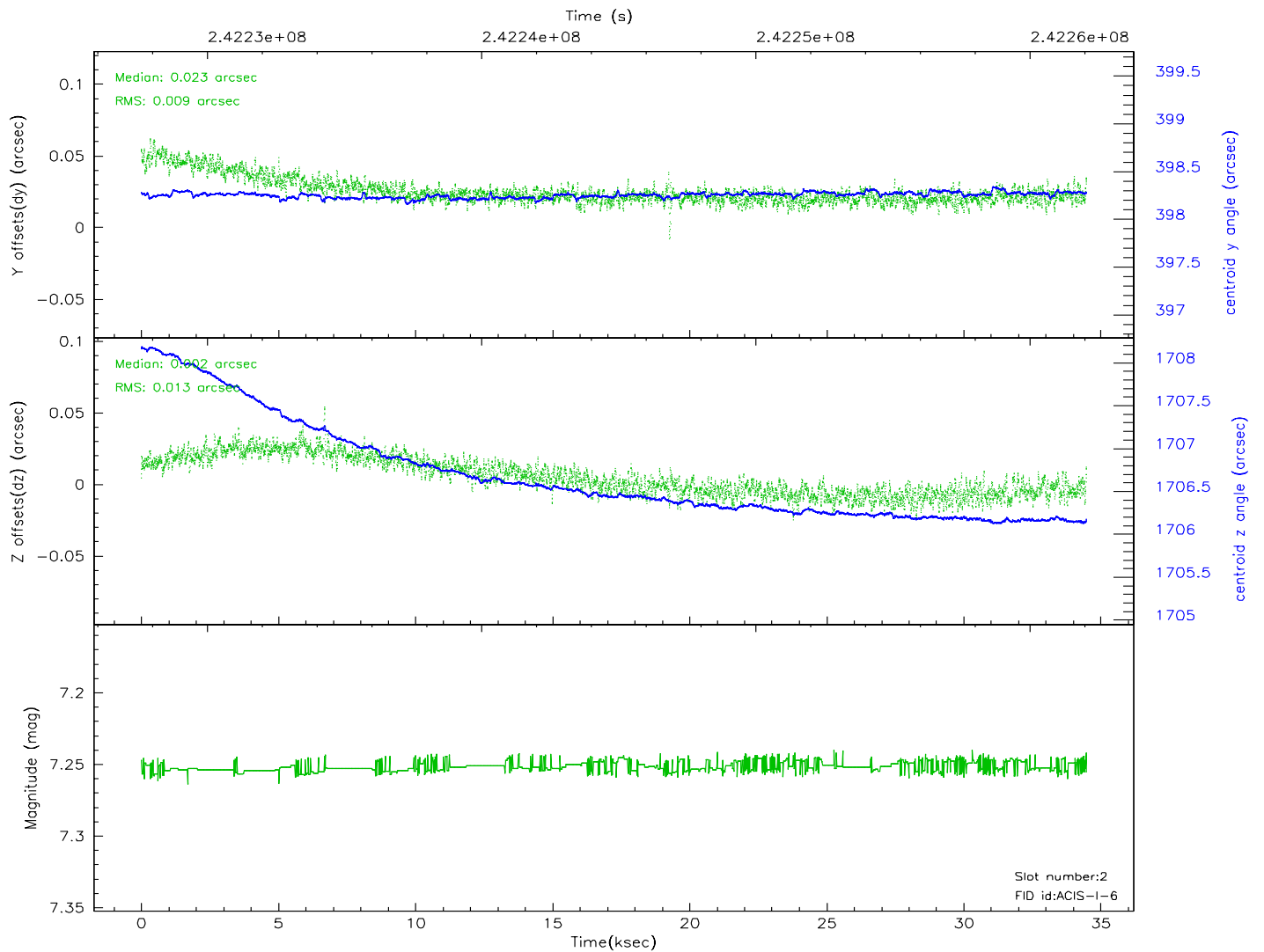
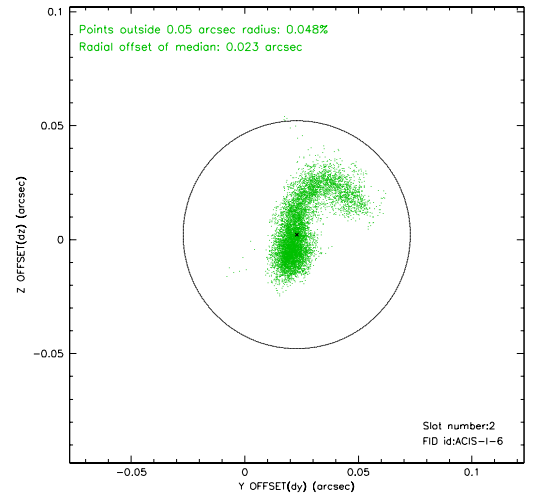
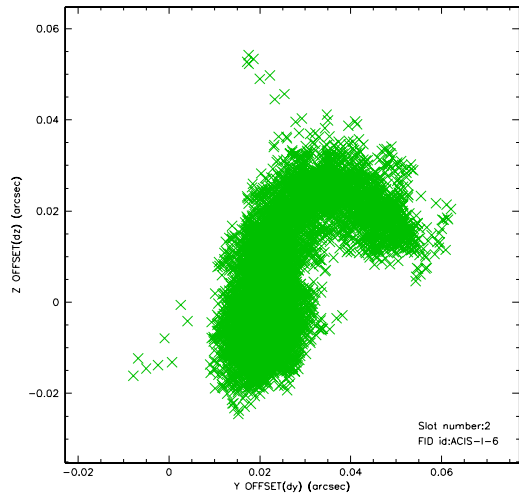
### 2.5.1 Slot 0



## 2.5.2 Slot 1

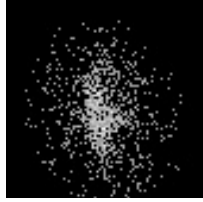


### 2.5.3 Slot 2



### 3 Point Sources

4.65 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.47819

## A.2 Comments

The ACIS focal plane temperature was above calibration limits for the first 10 ksec of the observation.