

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 4499 - L2 Version 3  
Chandra X-Ray Center

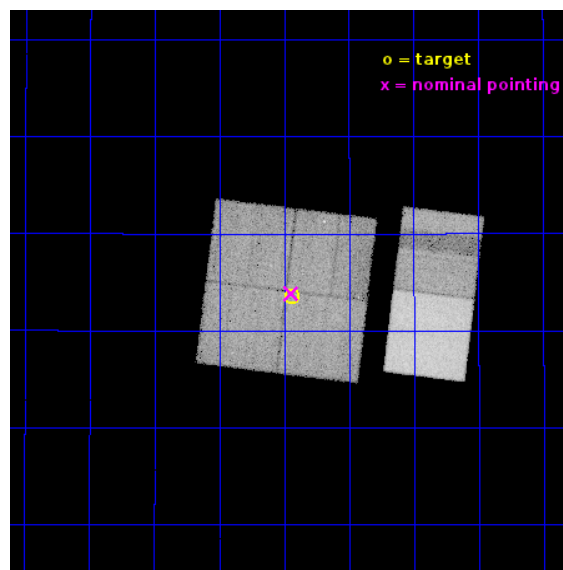
L2 Processing Date : Dec 6 2012

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# 1 Front

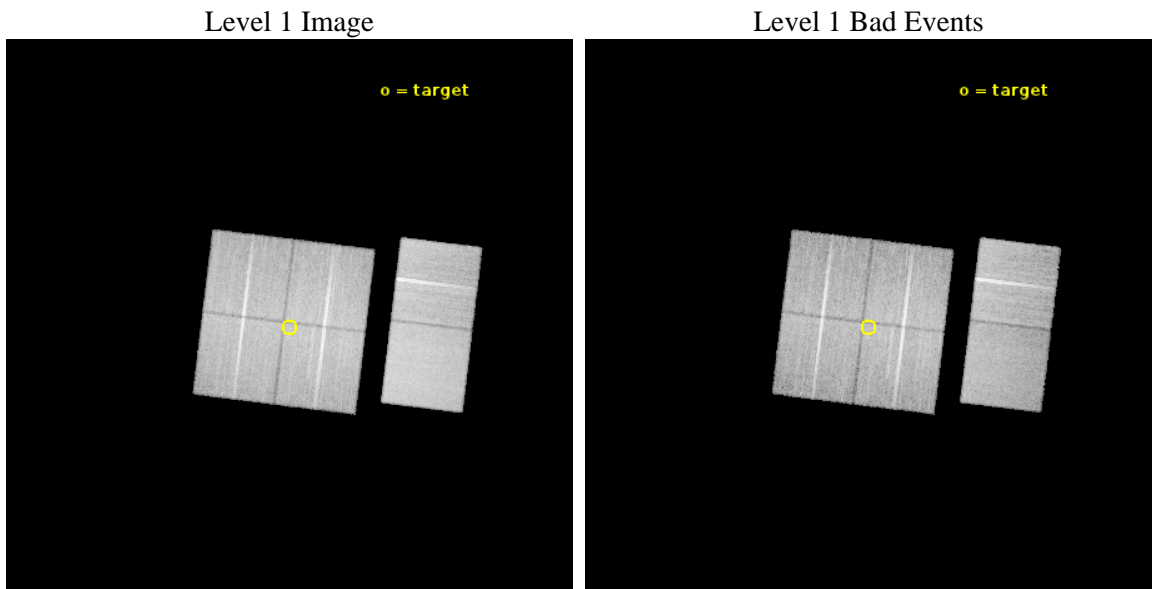
seq_num	200268	Sequence number
obs_id	4499	Observation id
title	Exploring X-rays in protostellar jets	Proposal title
observer	Dr. Bo Reipurth	Principal investigator
object	HH 300	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	66.734583	Observer's specified target RA [deg]
dec_targ	24.726389	Observer's specified target Dec [deg]
ra_nom	66.735990014589	Nominal RA [deg]
dec_nom	24.730866315905	Nominal Dec [deg]
roll_nom	96.996171642363	Nominal Roll [deg]
revision	3	Processing version of data
ontime	24931.199907124	Sum of GTIs [s]
livetime	24615.506042134	Livetime [s]
ontime0	24931.199907124	Sum of GTIs [s]
ontime1	24931.199907124	Sum of GTIs [s]
ontime2	24931.199907124	Sum of GTIs [s]
ontime3	24931.199907124	Sum of GTIs [s]
ontime6	24931.199907124	Sum of GTIs [s]
ontime7	24931.199907124	Sum of GTIs [s]
l2events	275221	Number of level 2 events



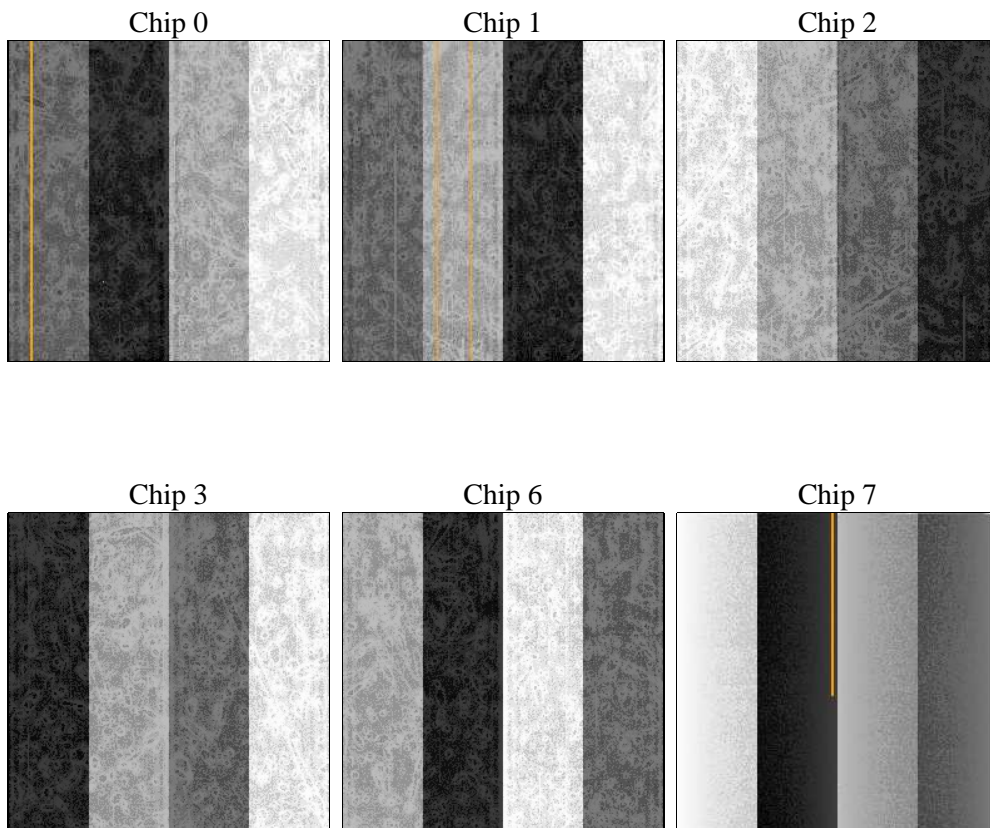
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	24806.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	24931.199907124	Sum of GTIs [s]
caldbver	4.5.4	&#160	ontime0	24931.199907124	Sum of GTIs [s]
date	2012-12-06T11:23:52	Date and time of file creation	ontime1	24931.199907124	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	24931.199907124	Sum of GTIs [s]
			ontime3	24931.199907124	Sum of GTIs [s]
			ontime6	24931.199907124	Sum of GTIs [s]
			ontime7	24931.199907124	Sum of GTIs [s]
			l1events	1205578	Number of level 1 events

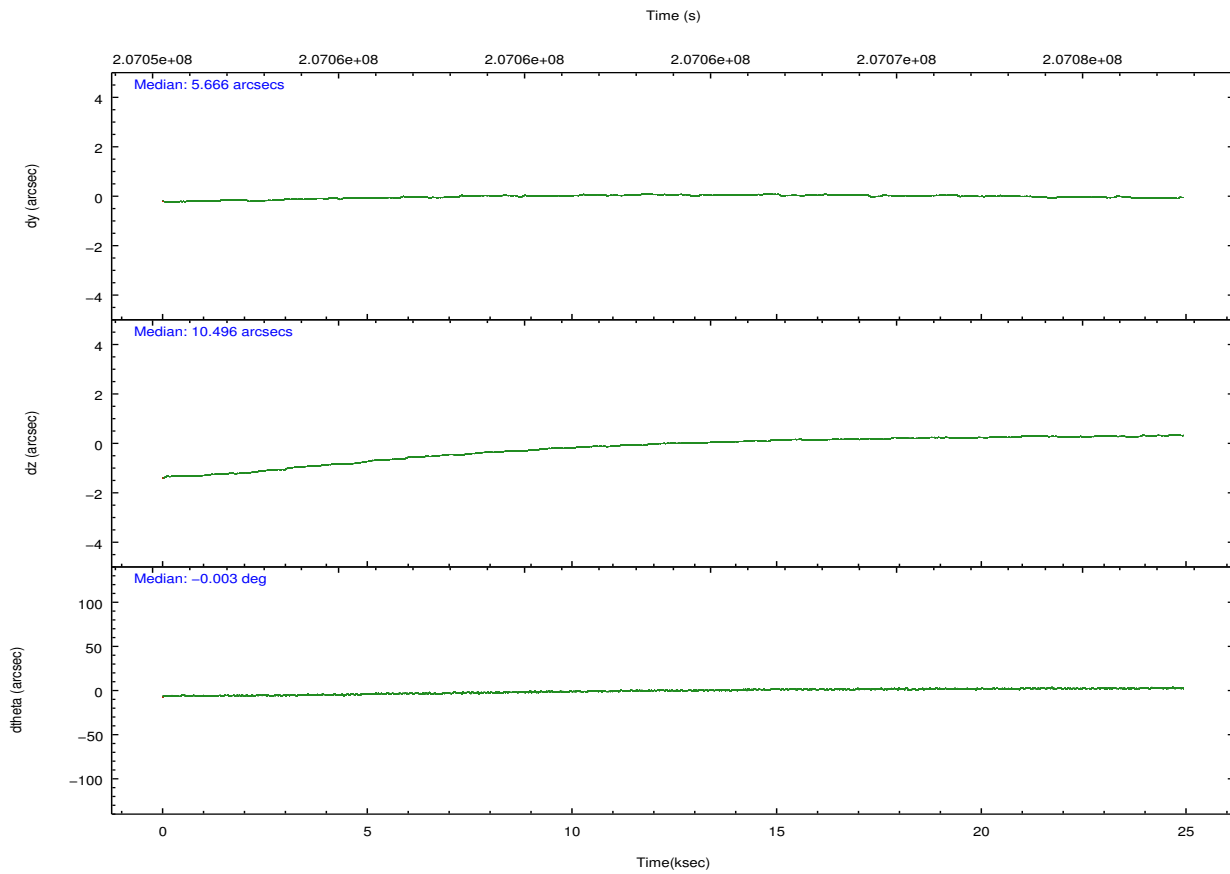
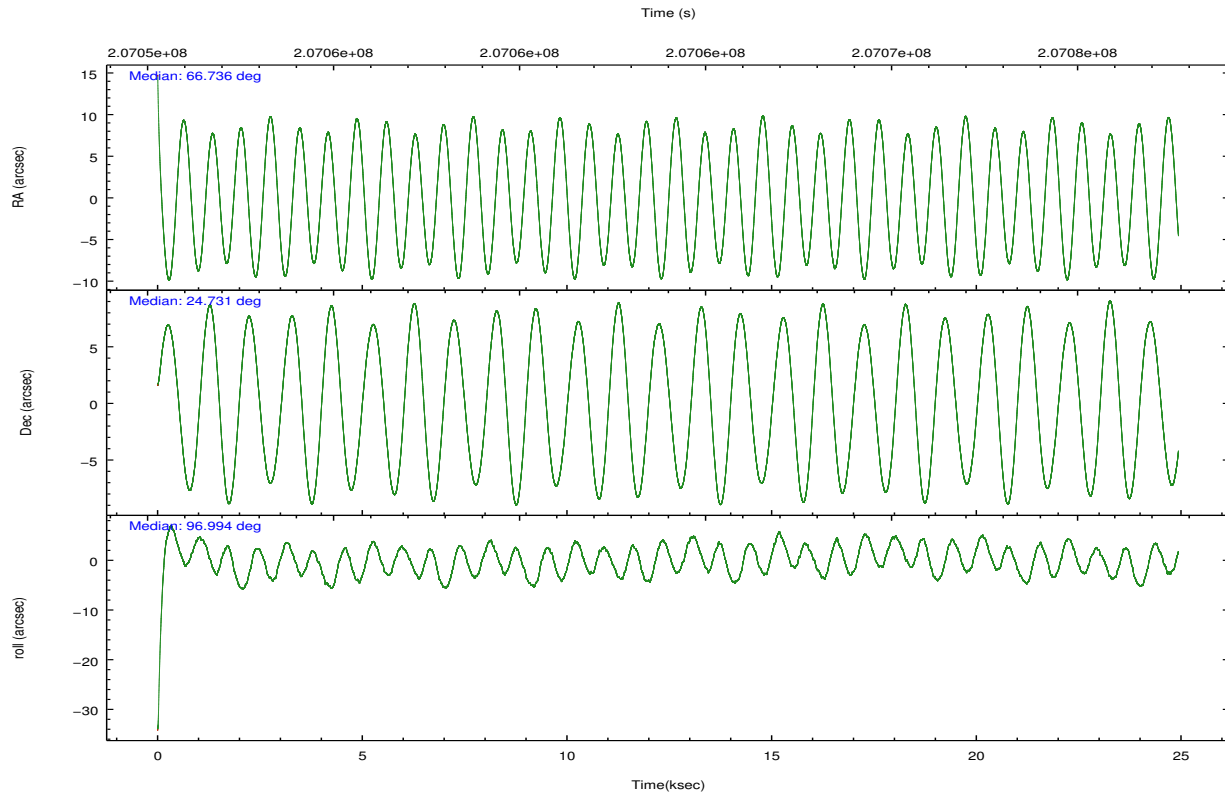
### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	179308	184550	199101	198613	204898	239108	grade 0 events	16341	14830	18229	15973	16308	9660
rejected events	140327	143829	159562	159318	165021	134301		9%	8%	9%	8%	7%	4%
rejected %	78%	77%	80%	80%	80%	56%	grade 1 events	115	85	144	133	118	284
								0%	0%	0%	0%	0%	0%
							grade 2 events	10732	13082	9379	11395	11804	21294
								5%	7%	4%	5%	5%	8%
							grade 3 events	2167	2422	2048	2179	2132	9138
								1%	1%	1%	1%	1%	3%
							grade 4 events	2257	2349	2757	2337	2292	9312
								1%	1%	1%	1%	1%	3%
							grade 5 events	6536	6874	6548	7479	7633	22060
								3%	3%	3%	3%	3%	9%
							grade 6 events	7640	8222	7295	7583	7503	55926
								4%	4%	3%	3%	3%	23%
							grade 7 events	133520	136686	152701	151534	157108	111434
								74%	74%	76%	76%	76%	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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
[deg] Pointing RA	66.754221	66.73599001458919	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.709038	24.73086631590476	Alternating exposures requested	N	N
[deg] Pointing Roll	96.779866	96.99617164236257	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	207051653.184000	207050557.32874			
Observation start date	2004-07-24T10:19:49	2004-07-24T10:02:37			
[s] Observation end time (MET)	207076459.184000	207077480.49243			
Observation end date	2004-07-24T17:13:15	2004-07-24T17:31:20			
Read mode	TIMED	TIMED			

## 2.3 Aspect

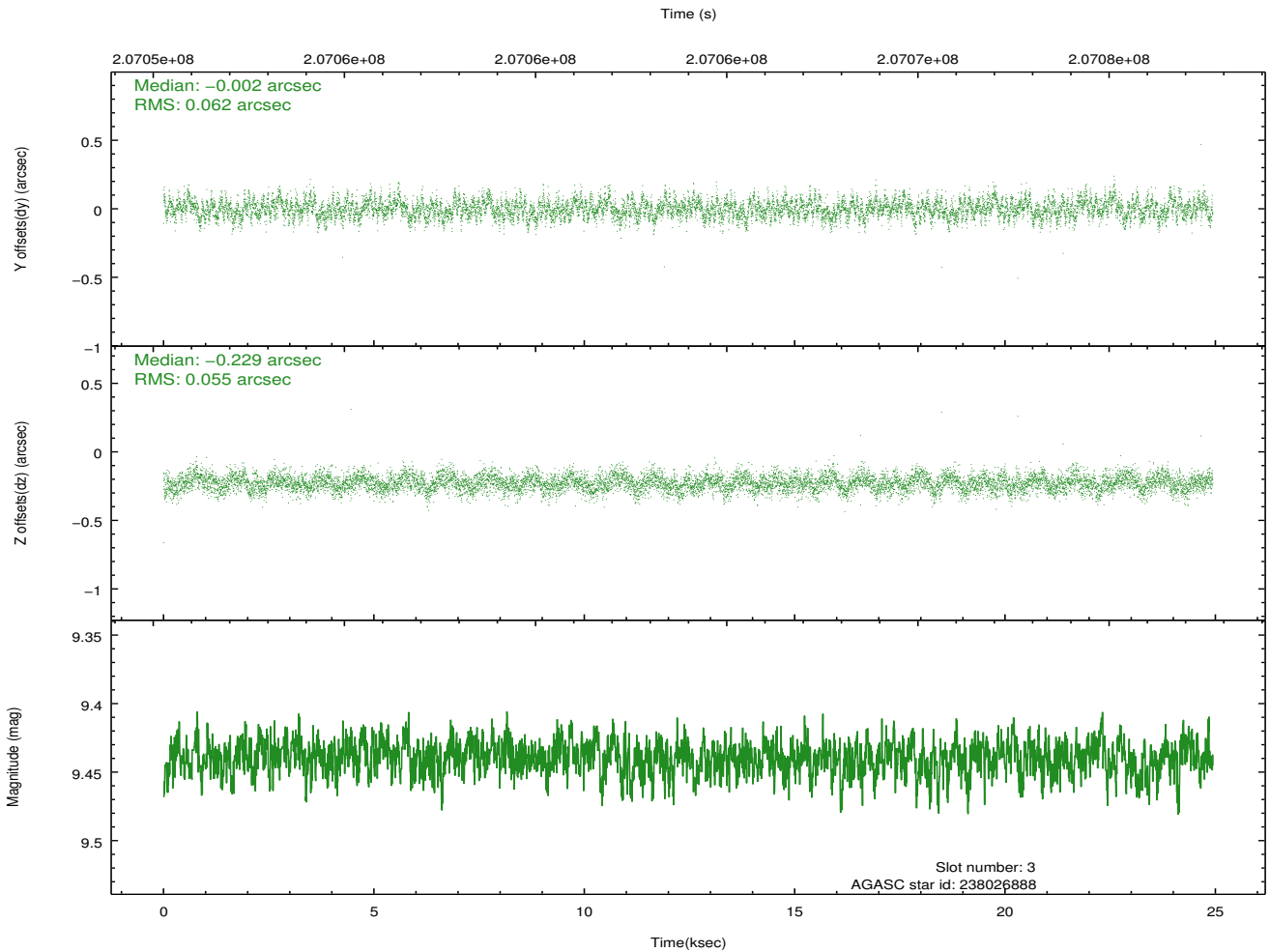
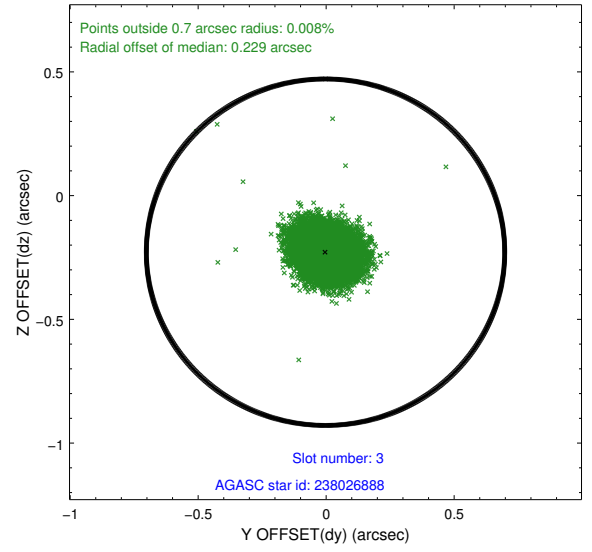
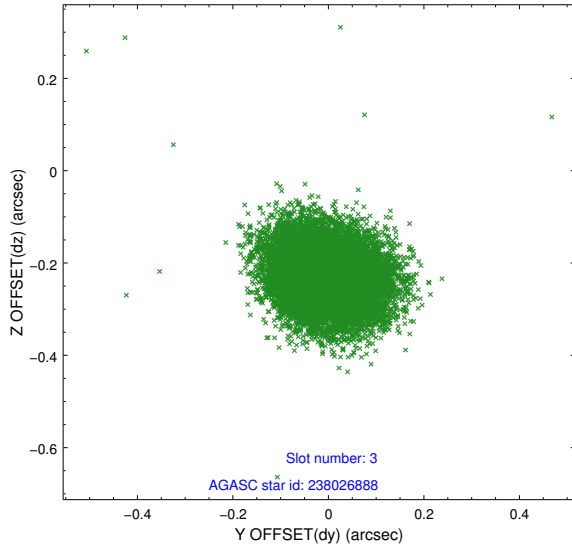


### Slot Statistics

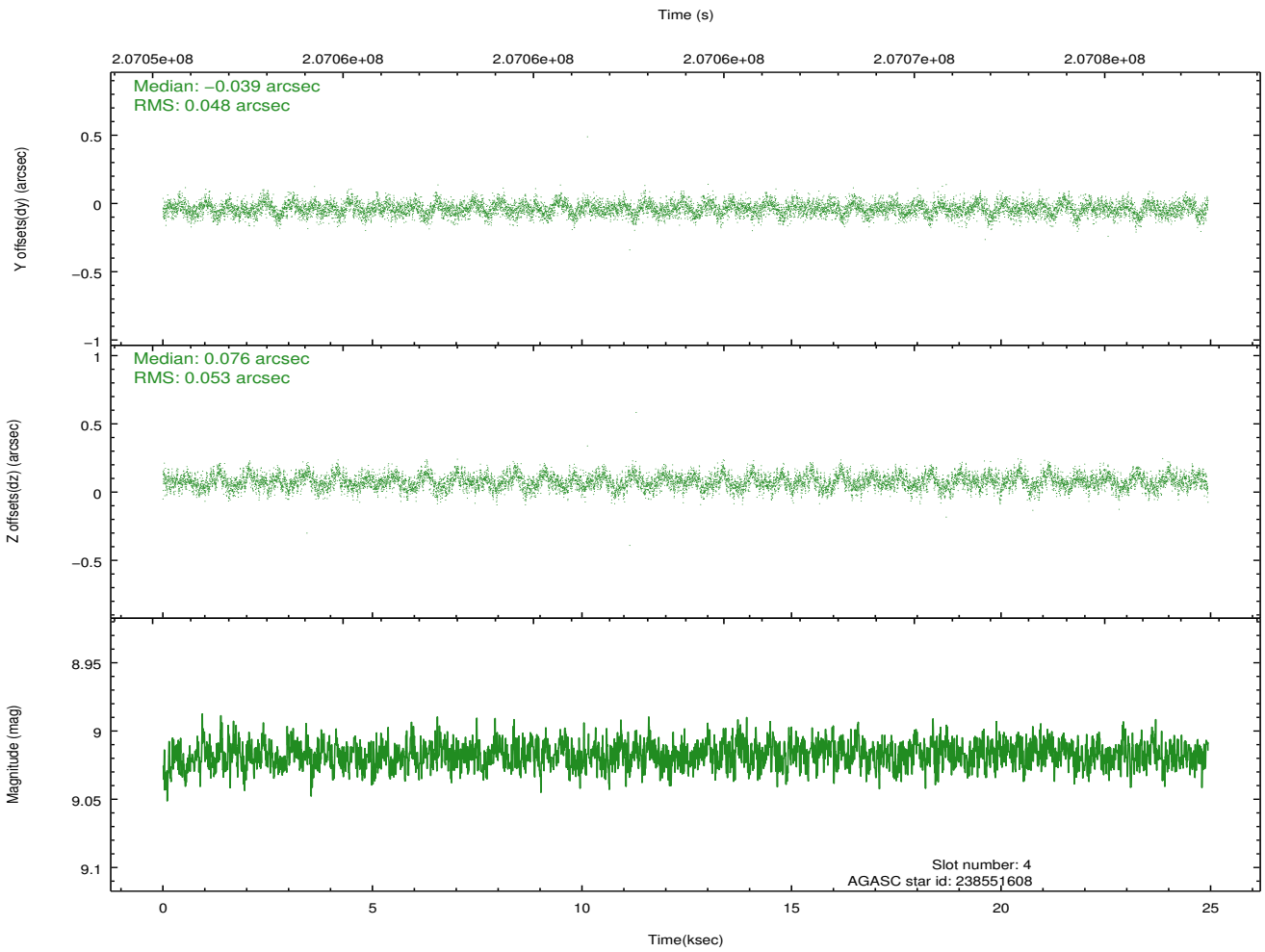
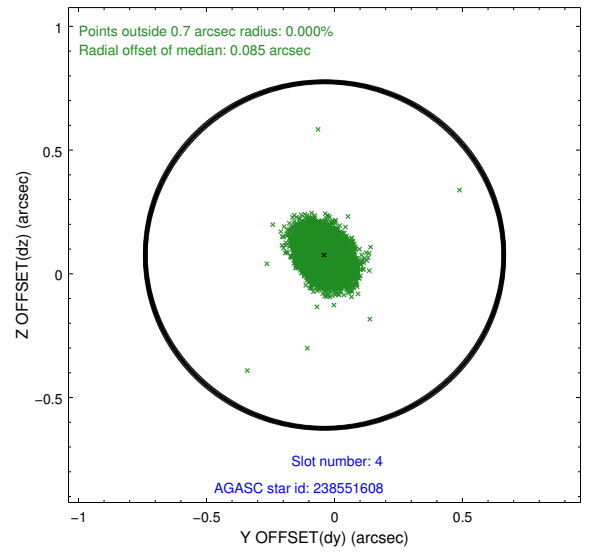
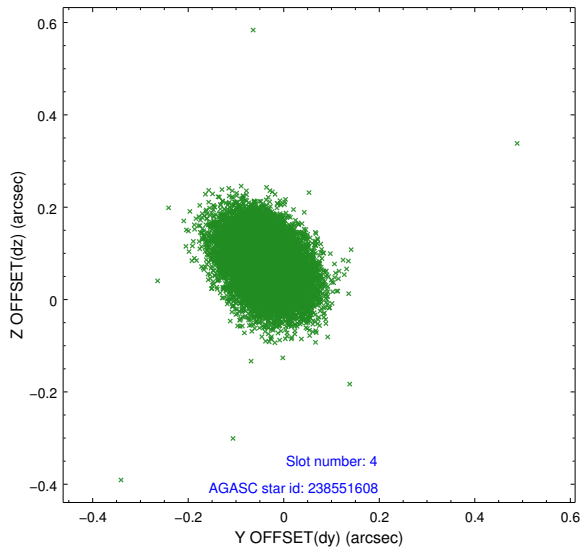
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	6082	0.043	-0.019	0.011	0.027	0.000000	0.000000	934.13	-833.76
1	FID	ACIS-I-5	7.23	6081	-0.112	0.075	0.017	0.044	0.000000	0.000000	-1814.09	1063.72
2	FID	ACIS-I-6	7.24	6082	-0.022	0.016	0.017	0.060	0.000000	0.000000	399.44	1708.32
3	GUIDE	238026888	9.44	12158	-0.002	-0.229	0.088	0.142	66.193938	24.362072	-1019.76	1971.48
4	GUIDE	238551608	9.02	12157	-0.039	0.076	0.075	0.123	66.891877	25.061588	1207.50	-595.21
5	GUIDE	238554208	8.81	12163	-0.231	-0.149	0.071	0.114	66.177176	25.161922	1844.78	1674.16
6	GUIDE	239731088	7.48	12159	0.091	0.188	0.048	0.076	67.084109	24.117817	-2239.94	-824.96
7	GUIDE	239731296	8.82	12160	0.183	0.112	0.072	0.116	67.110301	24.149622	-2136.39	-923.80

## 2.4 Star Slots

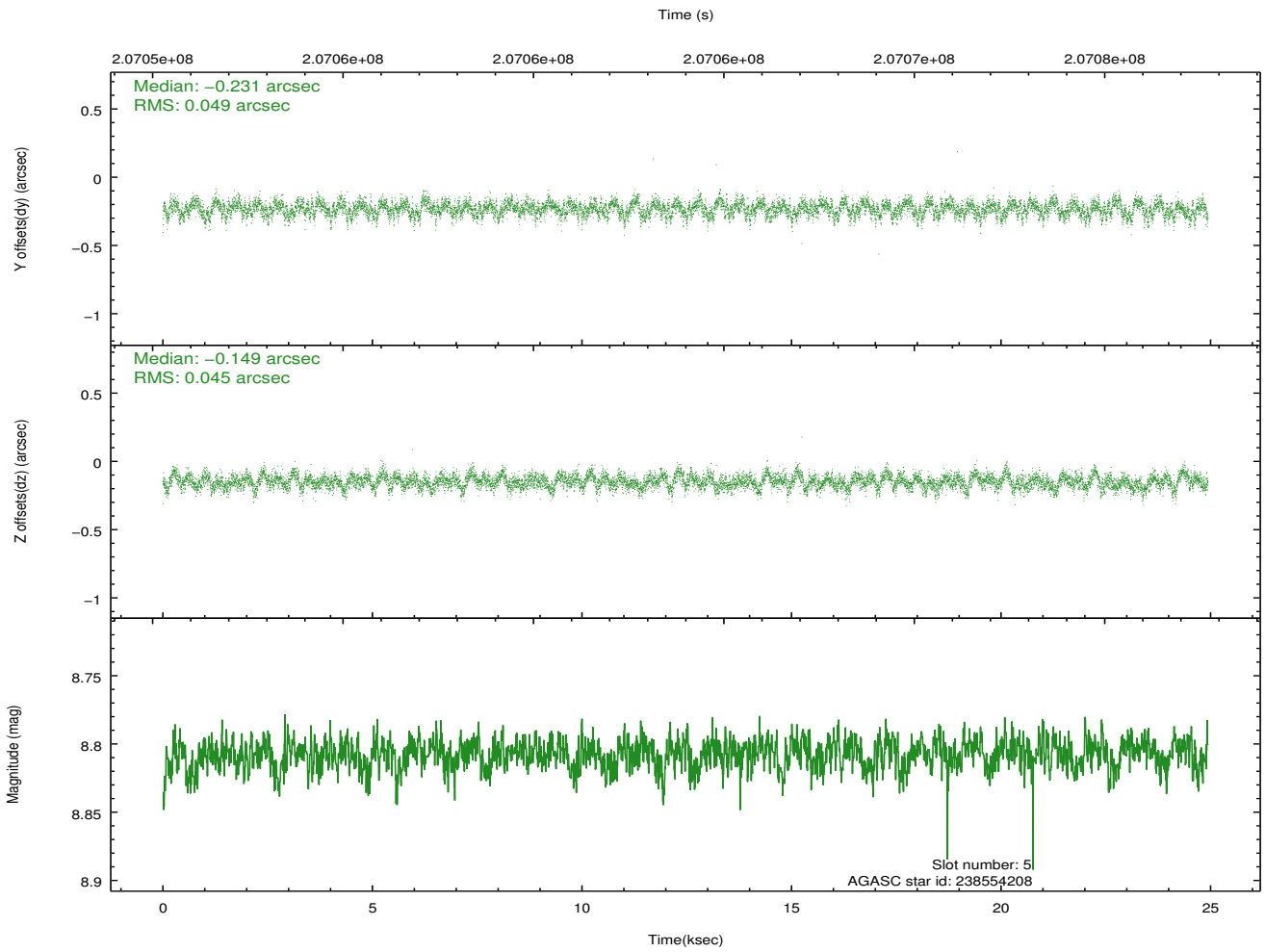
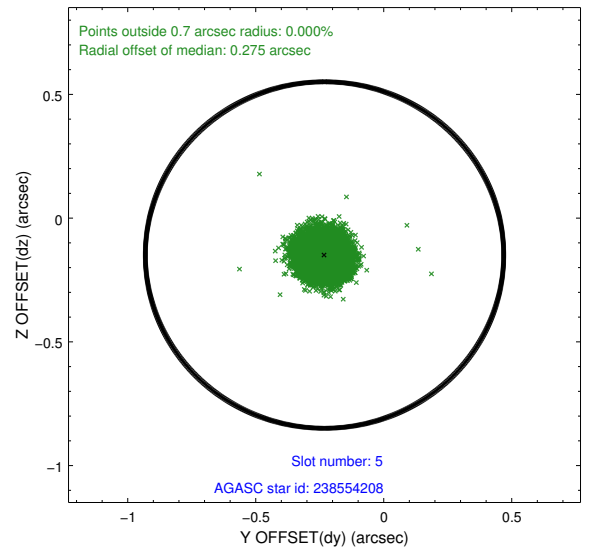
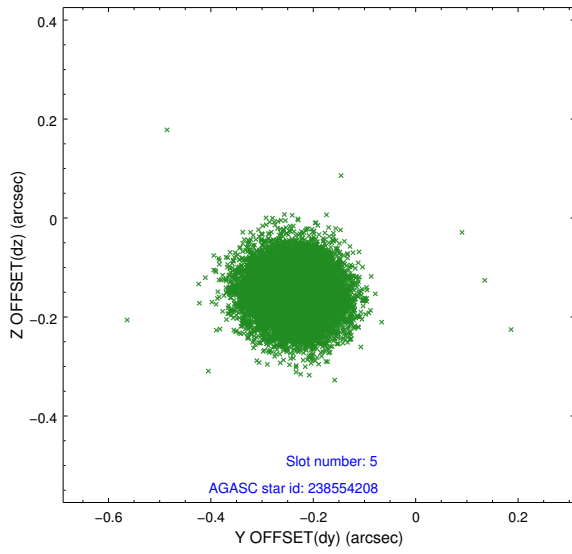
### 2.4.1 Slot 3



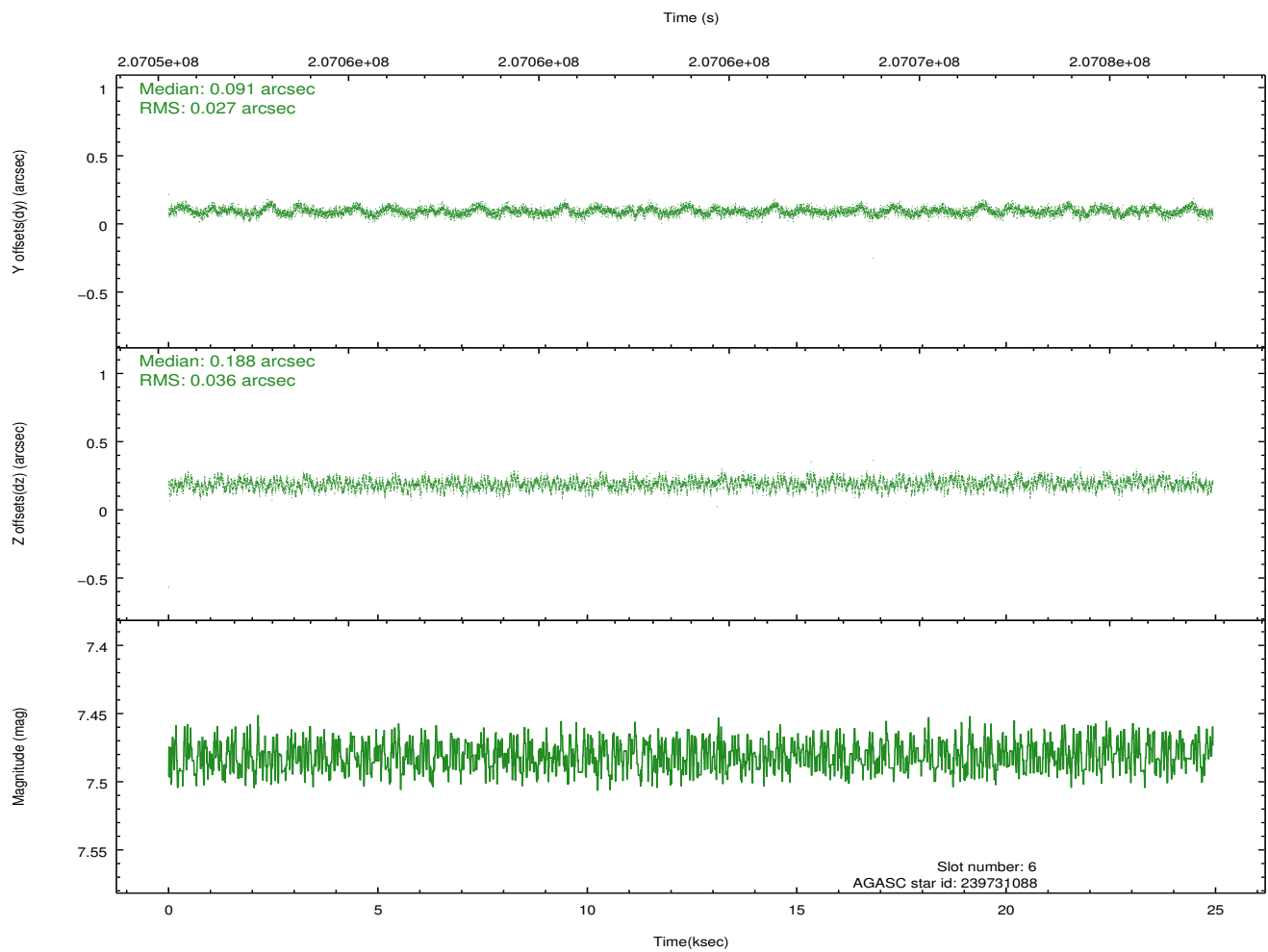
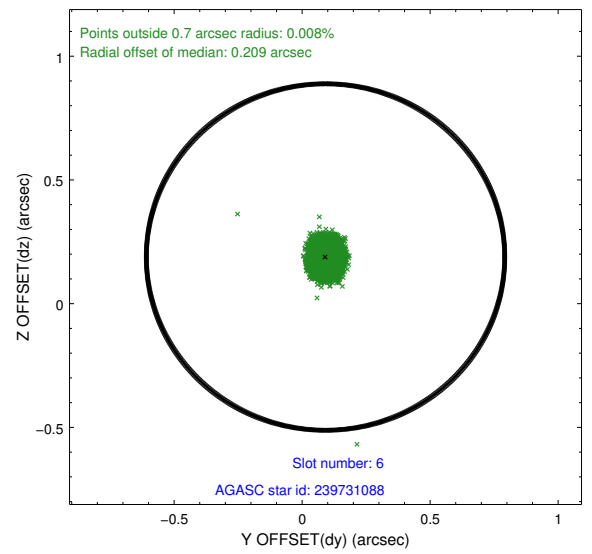
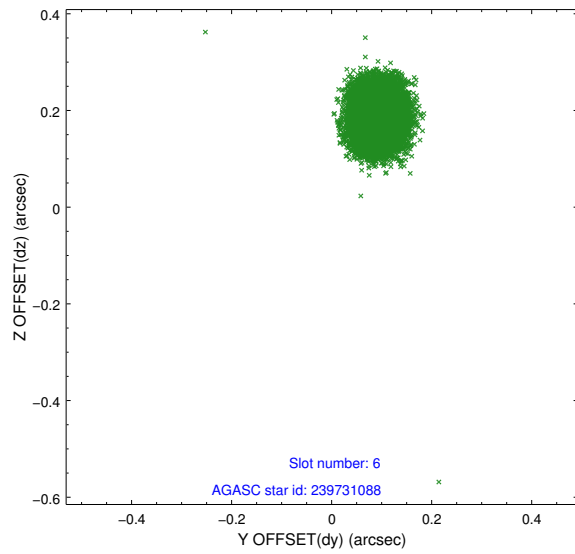
### 2.4.2 Slot 4



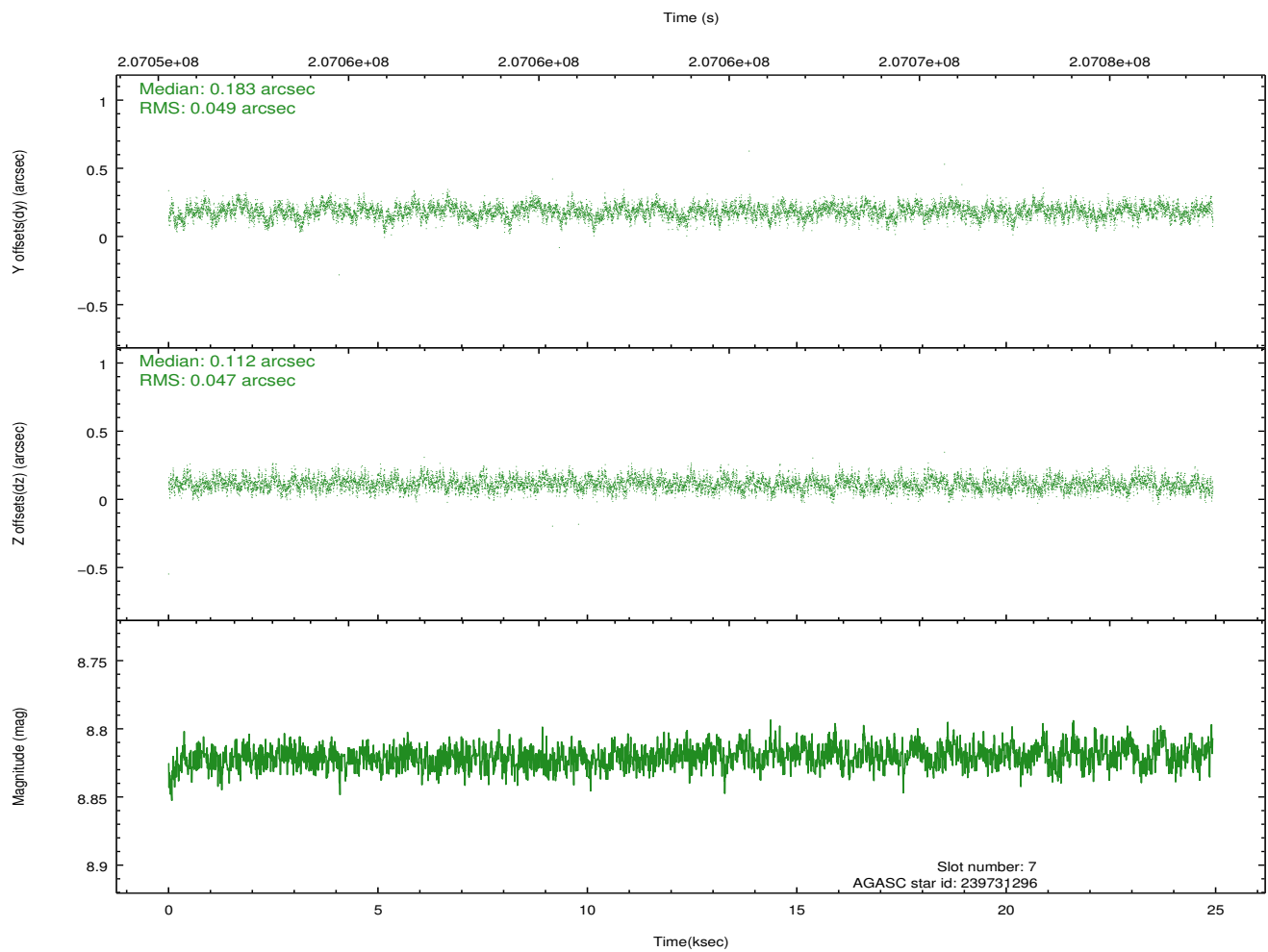
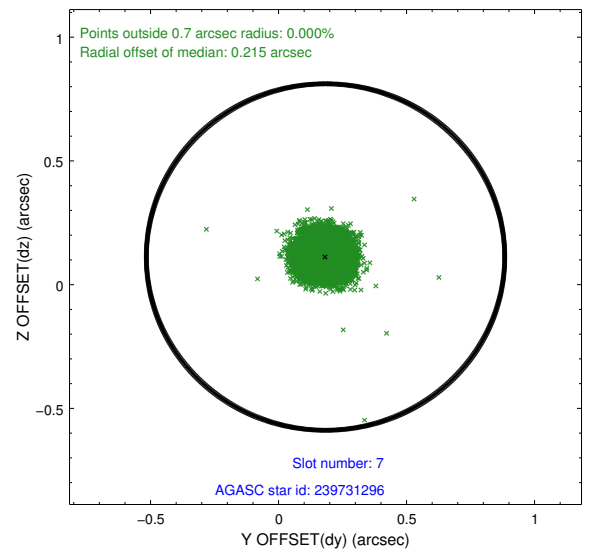
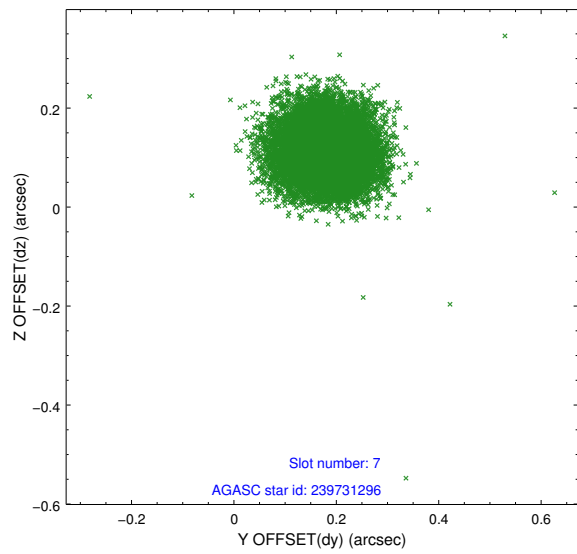
### 2.4.3 Slot 5



## 2.4.4 Slot 6

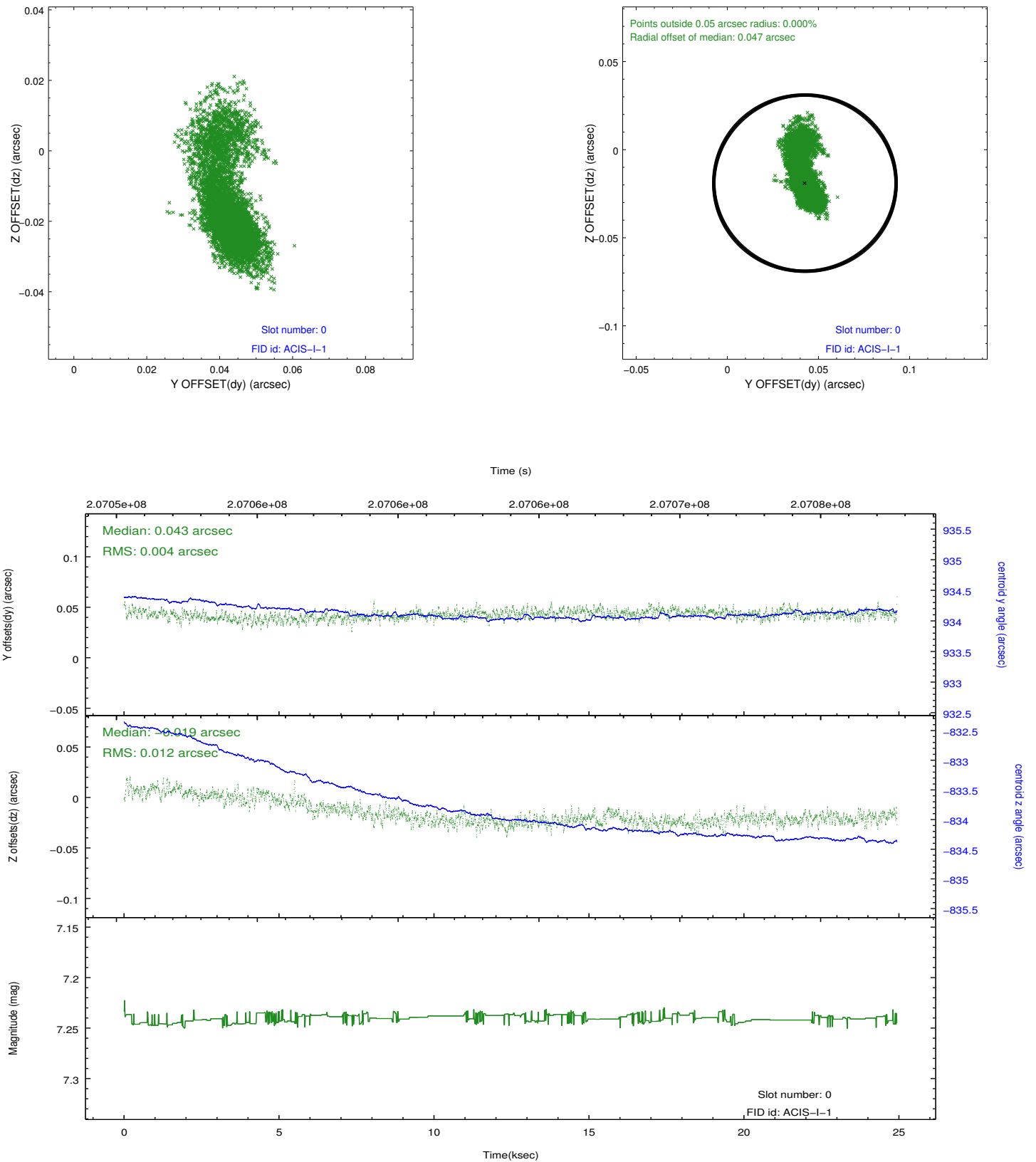


## 2.4.5 Slot 7

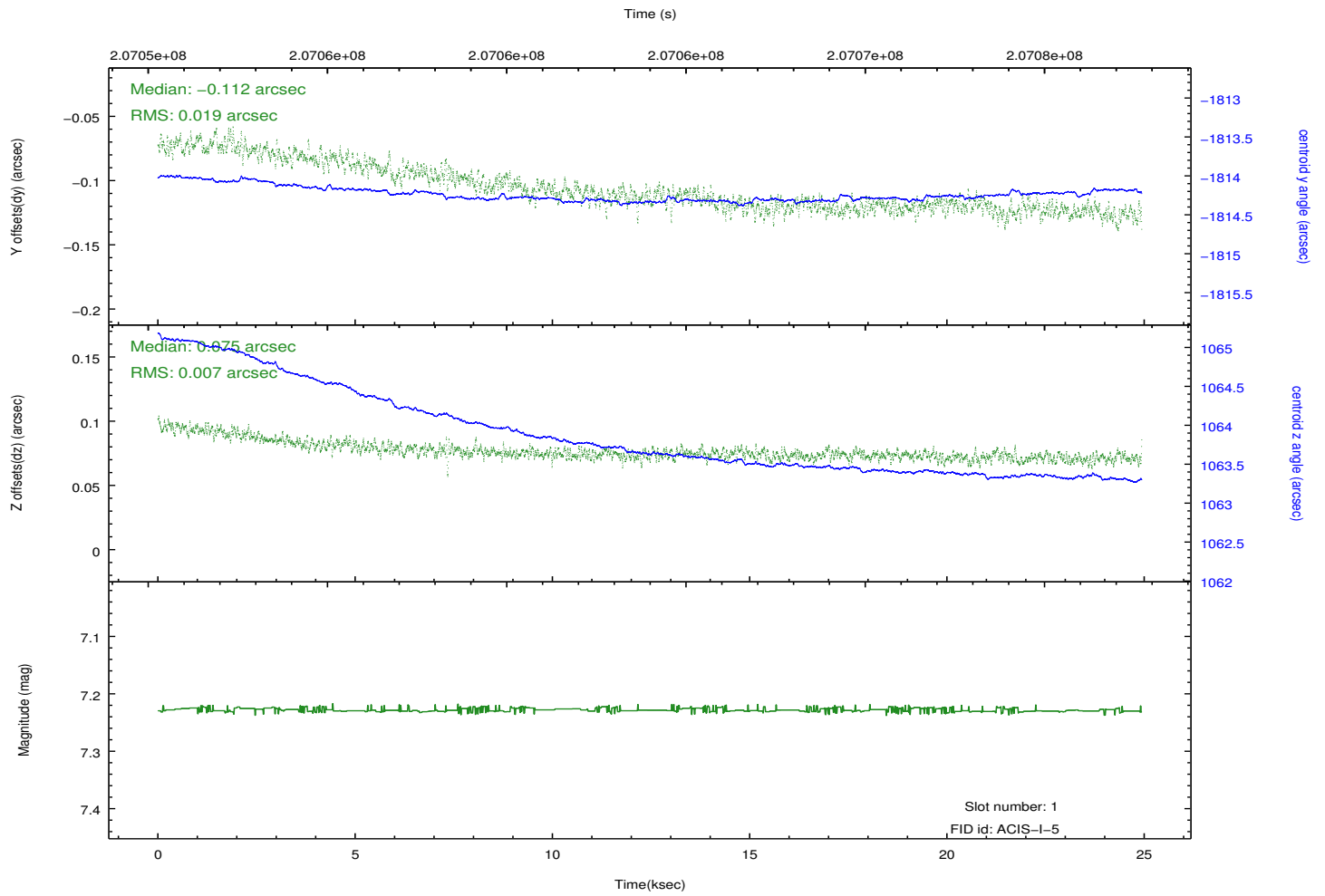
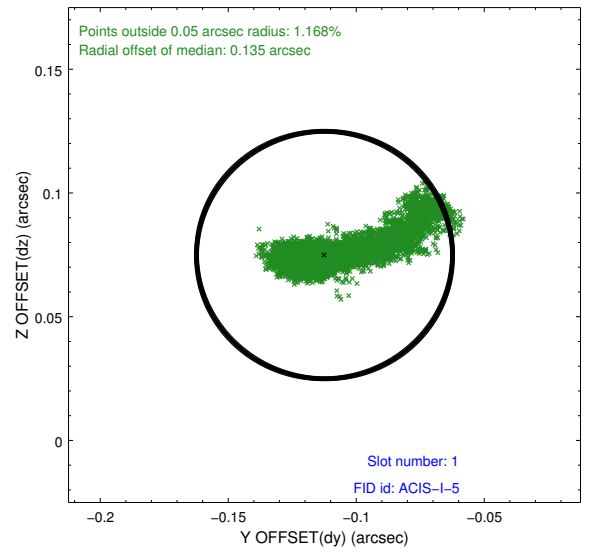
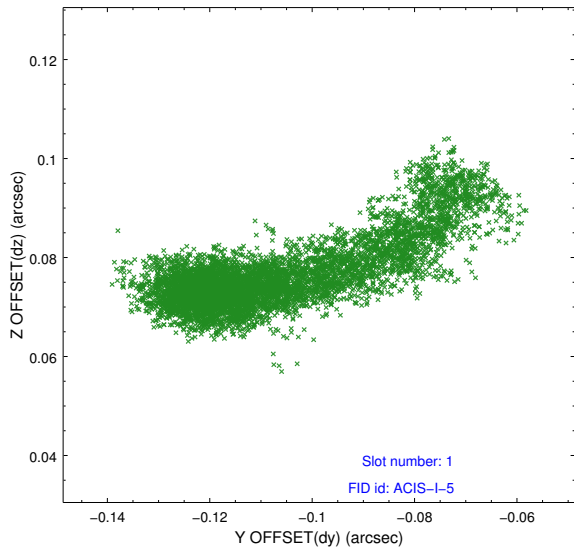


## 2.5 FID Slots

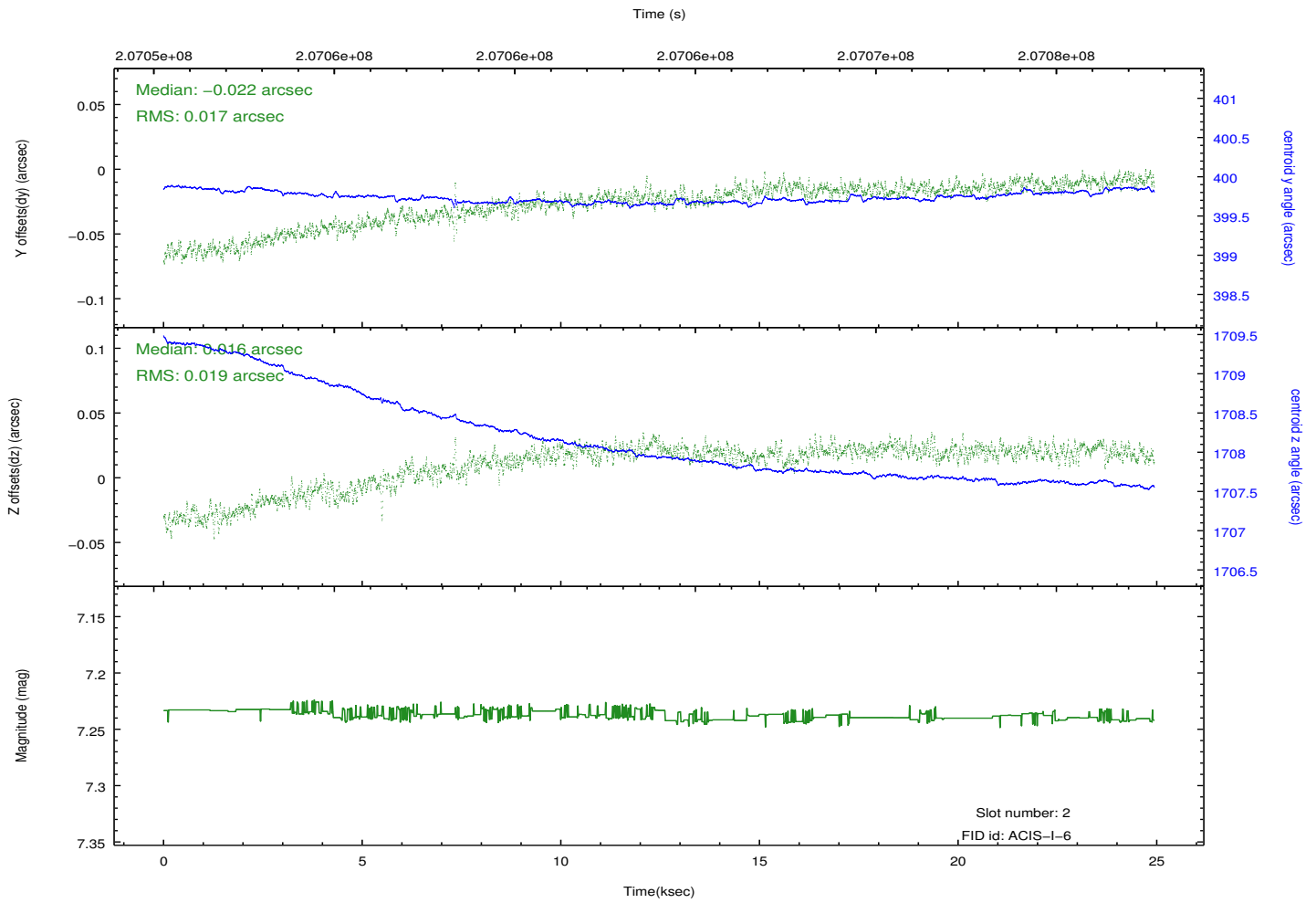
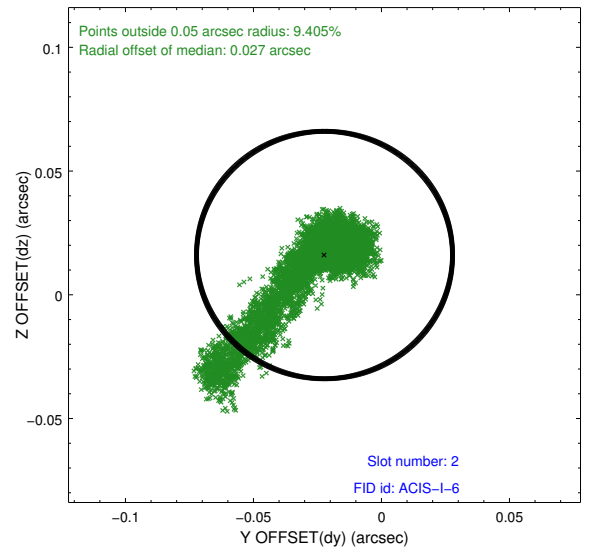
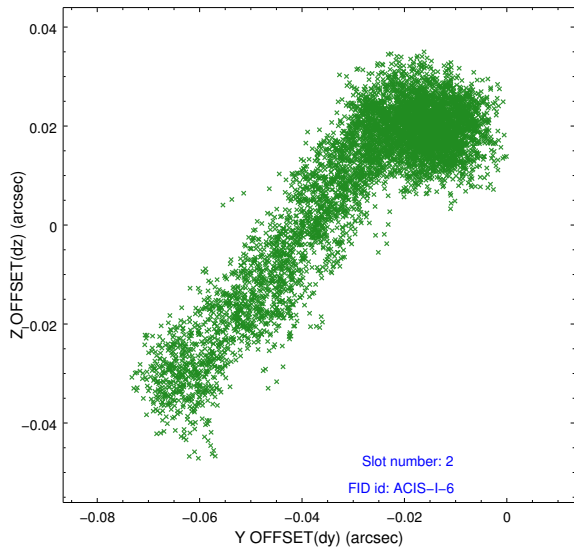
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.931

## A.2 Comments