

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9017 - L2 Version 2  
Chandra X-Ray Center

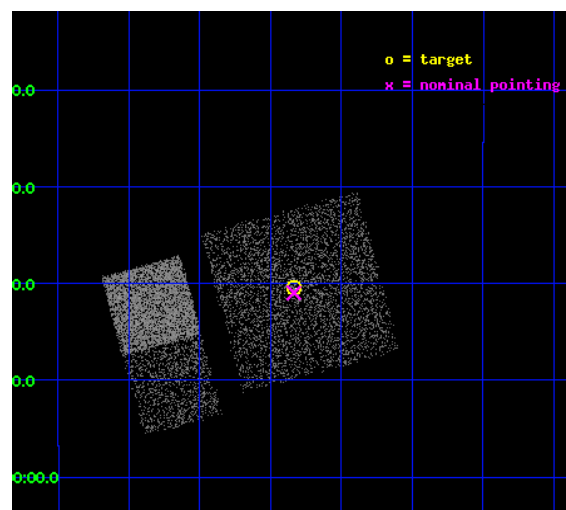
L2 Processing Date : May 18 2012

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# 1 Front

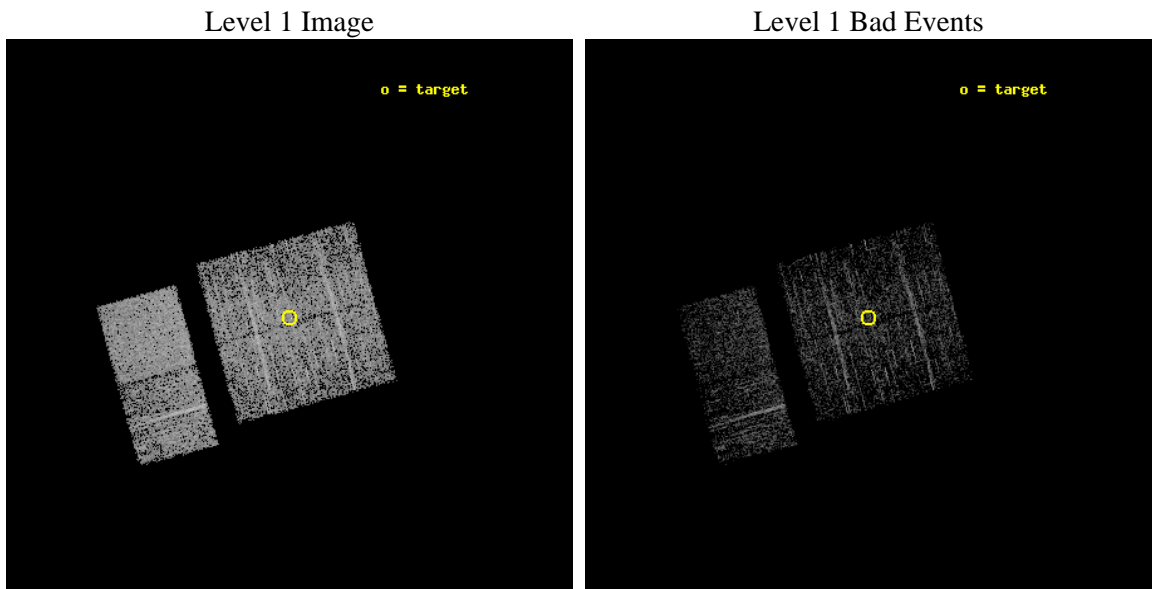
seq_num	400868	Sequence number
obs_id	9017	Observation id
title	Chandra observations of an enigmatic class of faint accreting slow pulsators	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	AX J1832.3-0840	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.083333	Observer's specified target RA [deg]
dec_targ	-8.675	Observer's specified target Dec [deg]
ra_nom	278.08387239072	Nominal RA [deg]
dec_nom	-8.6829139583684	Nominal Dec [deg]
roll_nom	254.80840356349	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1158.3999957442	Sum of GTIs [s]
livetime	1143.7316374934	Livetime [s]
ontime0	1158.3999957442	Sum of GTIs [s]
ontime1	1158.3999957442	Sum of GTIs [s]
ontime2	1158.3999957442	Sum of GTIs [s]
ontime3	1158.3999957442	Sum of GTIs [s]
ontime6	1158.3999957442	Sum of GTIs [s]
ontime7	1158.3999957442	Sum of GTIs [s]
l2events	13045	Number of level 2 events



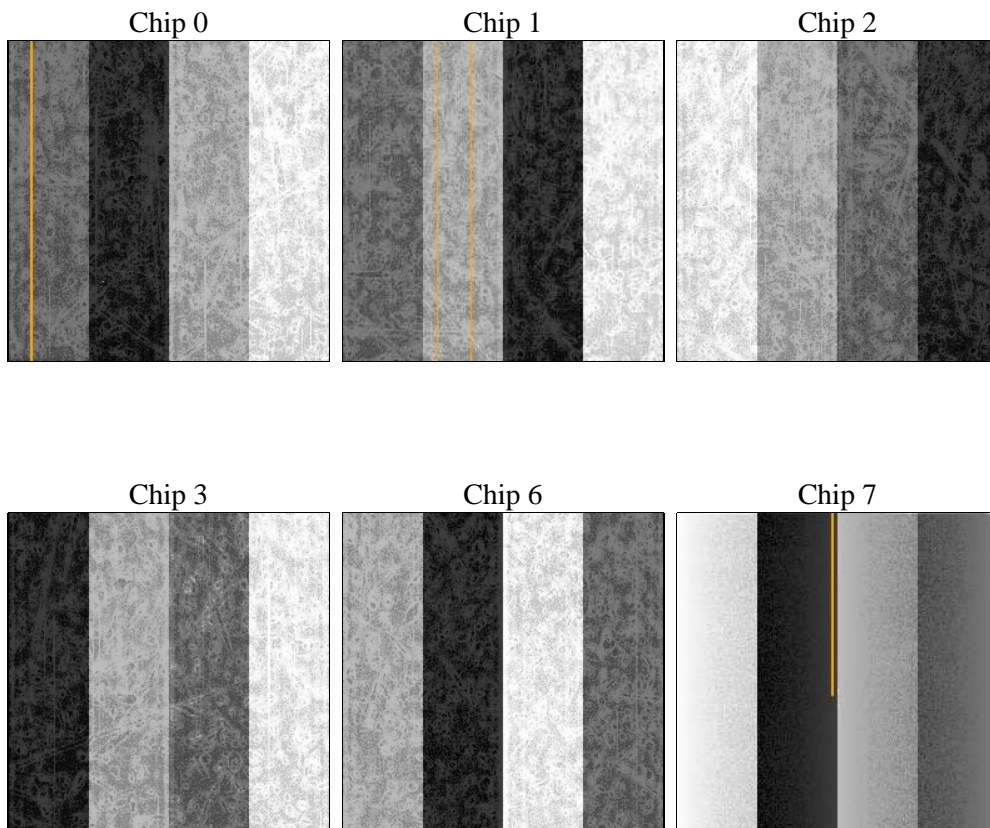
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1158.3999957442	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	1158.3999957442	Sum of GTIs [s]
date	2012-05-19T01:44:49	Date and time of file creation	ontime1	1158.3999957442	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1158.3999957442	Sum of GTIs [s]
			ontime3	1158.3999957442	Sum of GTIs [s]
			ontime6	1158.3999957442	Sum of GTIs [s]
			ontime7	1158.3999957442	Sum of GTIs [s]
			l1events	135435	Number of level 1 events

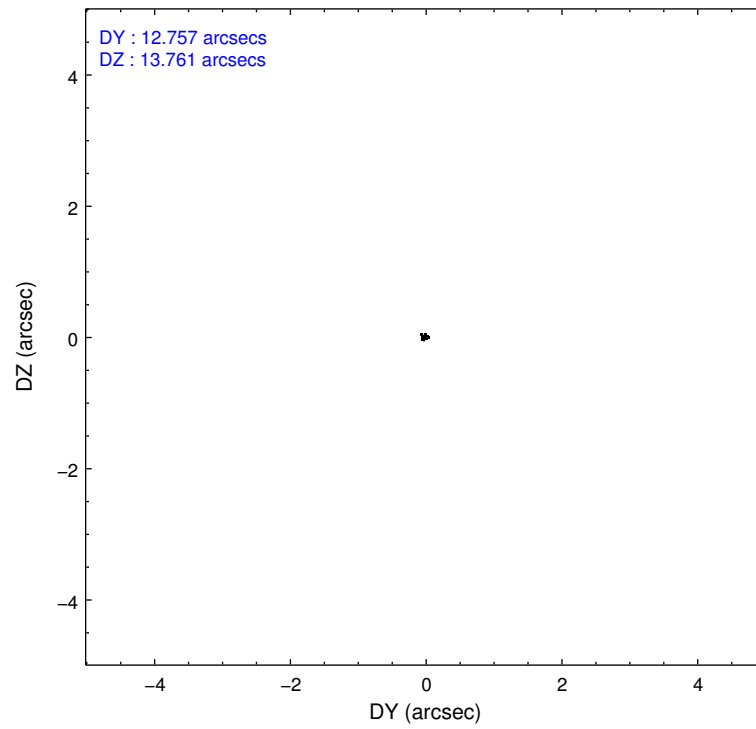
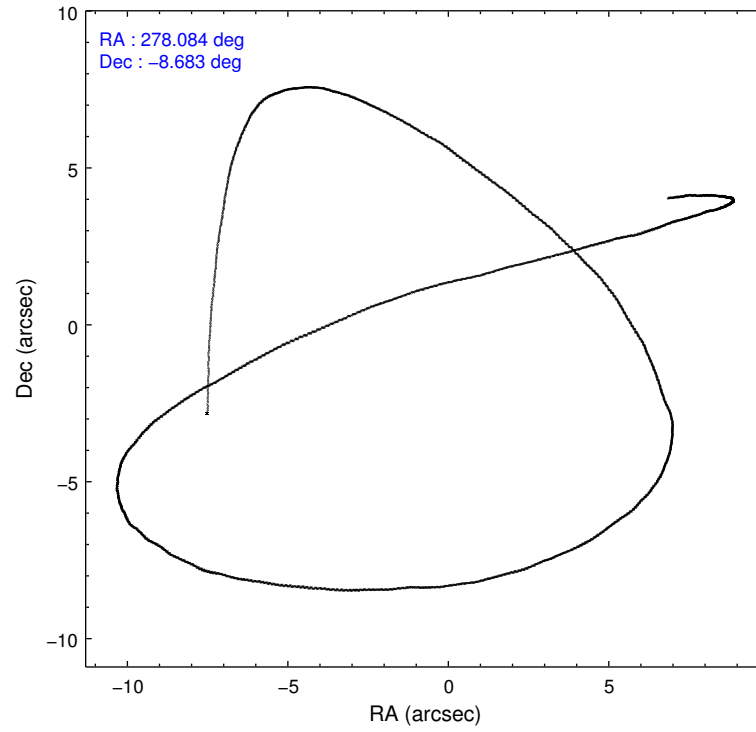
### 2.1.4 Events

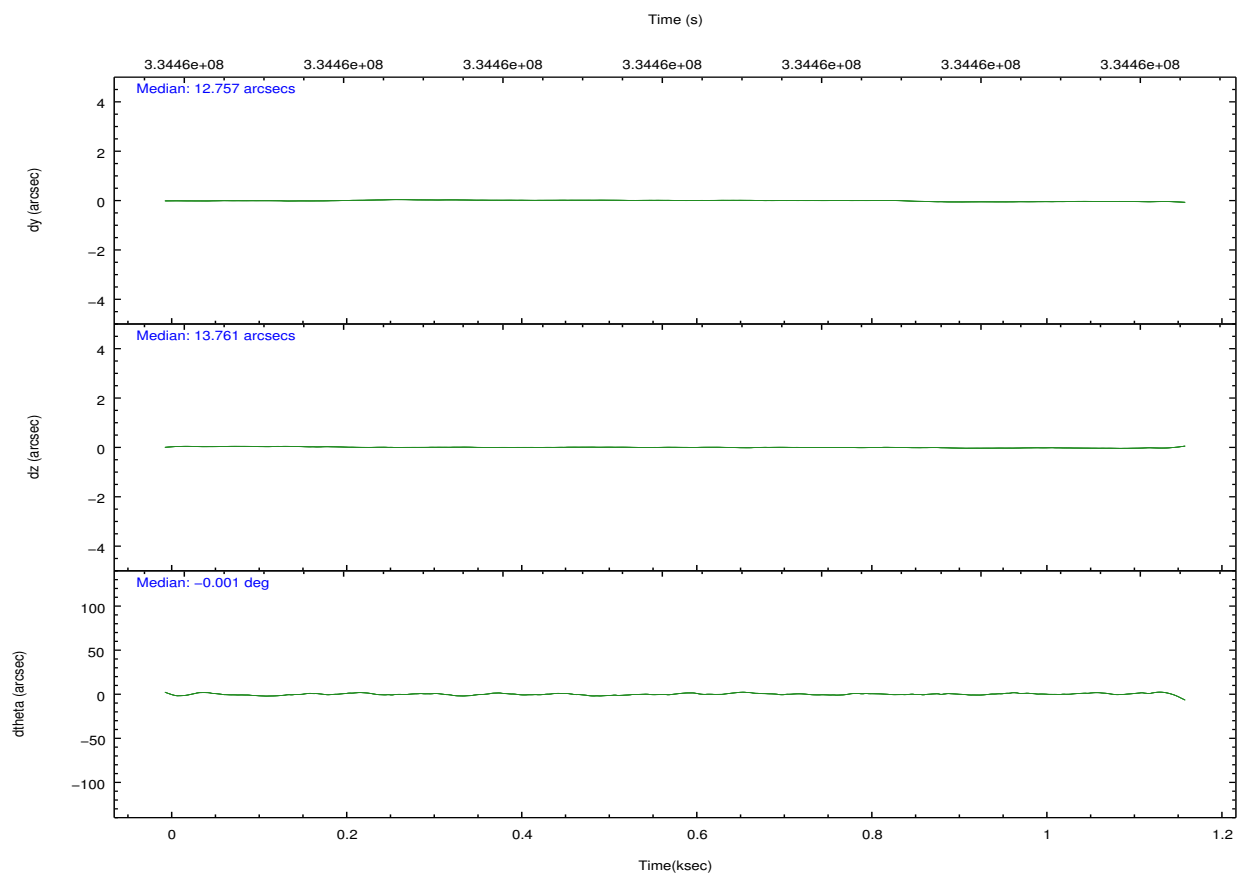
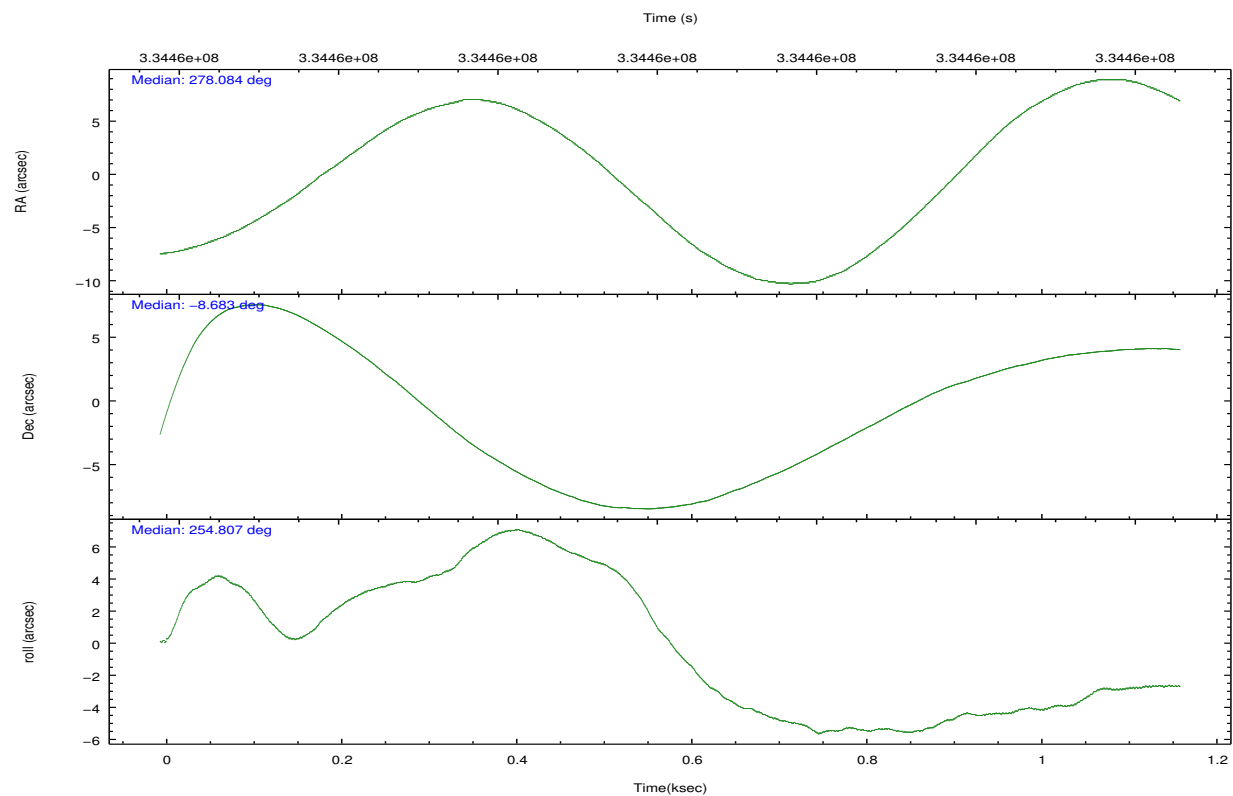
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	19053	20233	21416	21846	22509	30378	grade 0 events	1237	1135	1227	1331	1073	1049
rejected events	17529	18693	20014	20212	21055	23775		6%	5%	5%	6%	4%	3%
rejected %	92%	92%	93%	92%	93%	78%	grade 1 events	16	14	9	27	15	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	668	687	521	585	610	2661
								3%	3%	2%	2%	2%	8%
							grade 3 events	266	269	266	271	246	1078
								1%	1%	1%	1%	1%	3%
							grade 4 events	235	265	251	278	250	1086
								1%	1%	1%	1%	1%	3%
							grade 5 events	836	912	852	1058	1062	2838
								4%	4%	3%	4%	4%	9%
							grade 6 events	458	586	413	471	601	6766
								2%	2%	1%	2%	2%	22%
							grade 7 events	15337	16365	17877	17825	18652	14865
								80%	80%	83%	81%	82%	48%

## 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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	278.076420	278.0838723907211	CCD I2 on	Y	Y
[deg] Pointing Dec	-8.656520	-8.682913958368449	CCD I3 on	Y	Y
[deg] Pointing Roll	254.598640	254.8084035634858	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	334459198.184000	334457604.09981	CCD S5 on	N	N
Observation start date	2008-08-07T01:18:53	2008-08-07T00:53:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334460198.184000	334460866.16247	On-chip summing requested	N	N
Observation end date	2008-08-07T01:35:33	2008-08-07T01:47:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





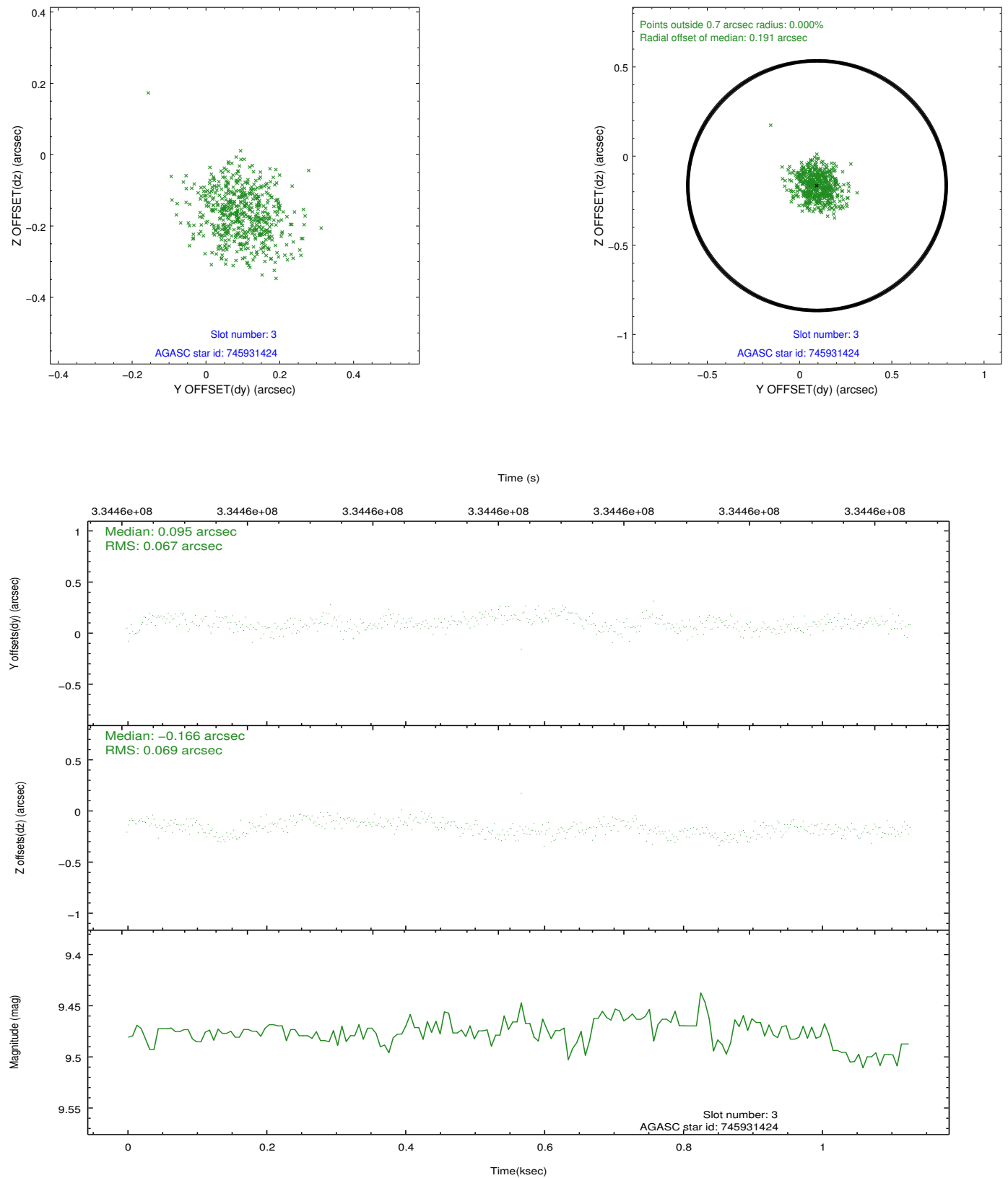
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	285	-0.062	0.095	0.008	0.015	0.000000	0.000000	926.70	-837.25
1	FID	ACIS-I-2	6.98	285	-0.128	-0.092	0.006	0.012	0.000000	0.000000	-764.29	-846.71
2	FID	ACIS-I-4	7.00	285	0.092	0.065	0.007	0.012	0.000000	0.000000	2144.16	1059.61
3	GUIDE	745931424	9.48	551	0.095	-0.166	0.102	0.164	277.981180	-9.051257	1461.35	50.16
4	GUIDE	745932928	9.36	567	-0.193	-0.003	0.096	0.160	278.034432	-8.686351	146.88	-115.92
5	GUIDE	745934240	9.89	569	-0.012	0.087	0.182	0.303	278.438647	-8.308172	-1549.68	910.54
6	GUIDE	745936064	10.15	569	0.149	0.109	0.230	0.410	277.729763	-9.032377	1631.06	-827.43
7	GUIDE	745937344	10.14	569	0.015	-0.056	0.203	0.286	278.513100	-8.179895	-2062.58	1042.76

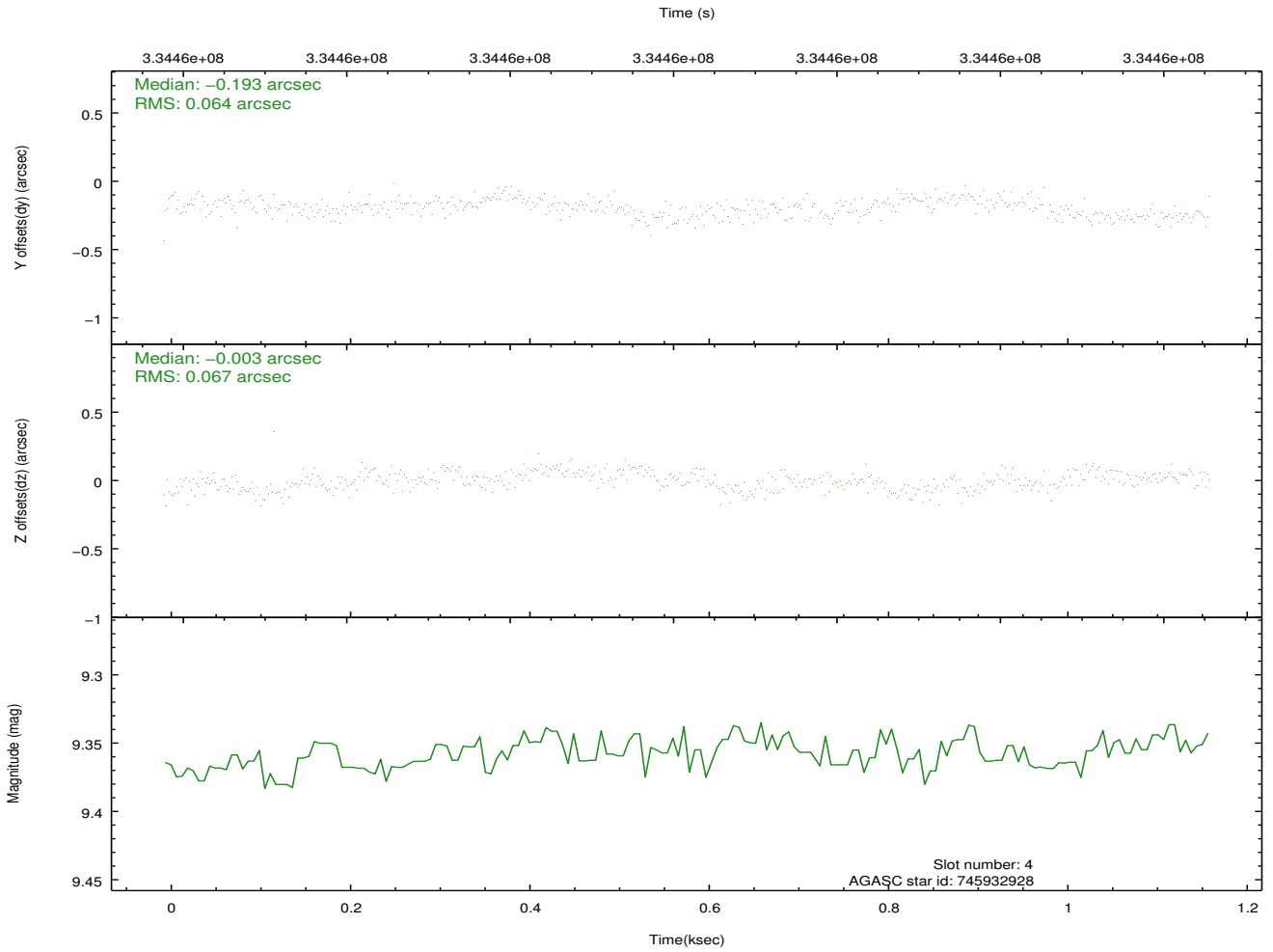
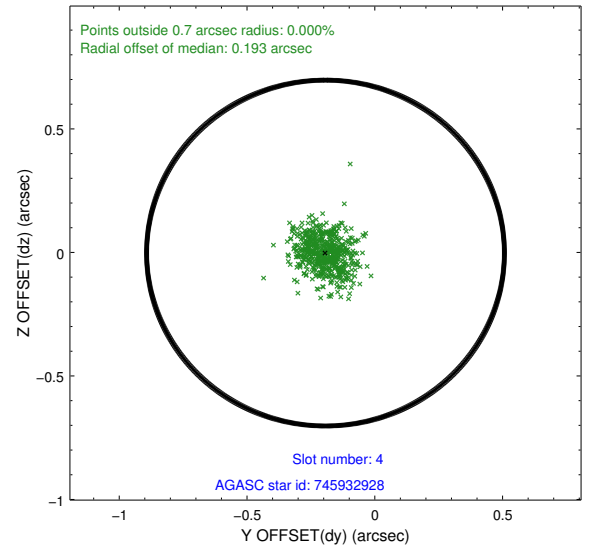
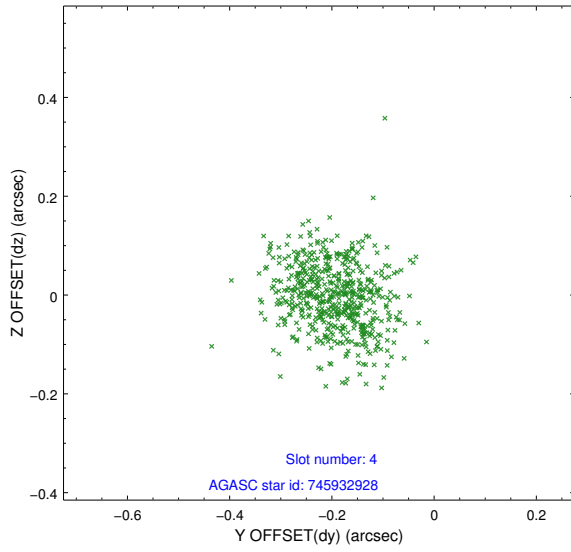


## 2.4 Star Slots

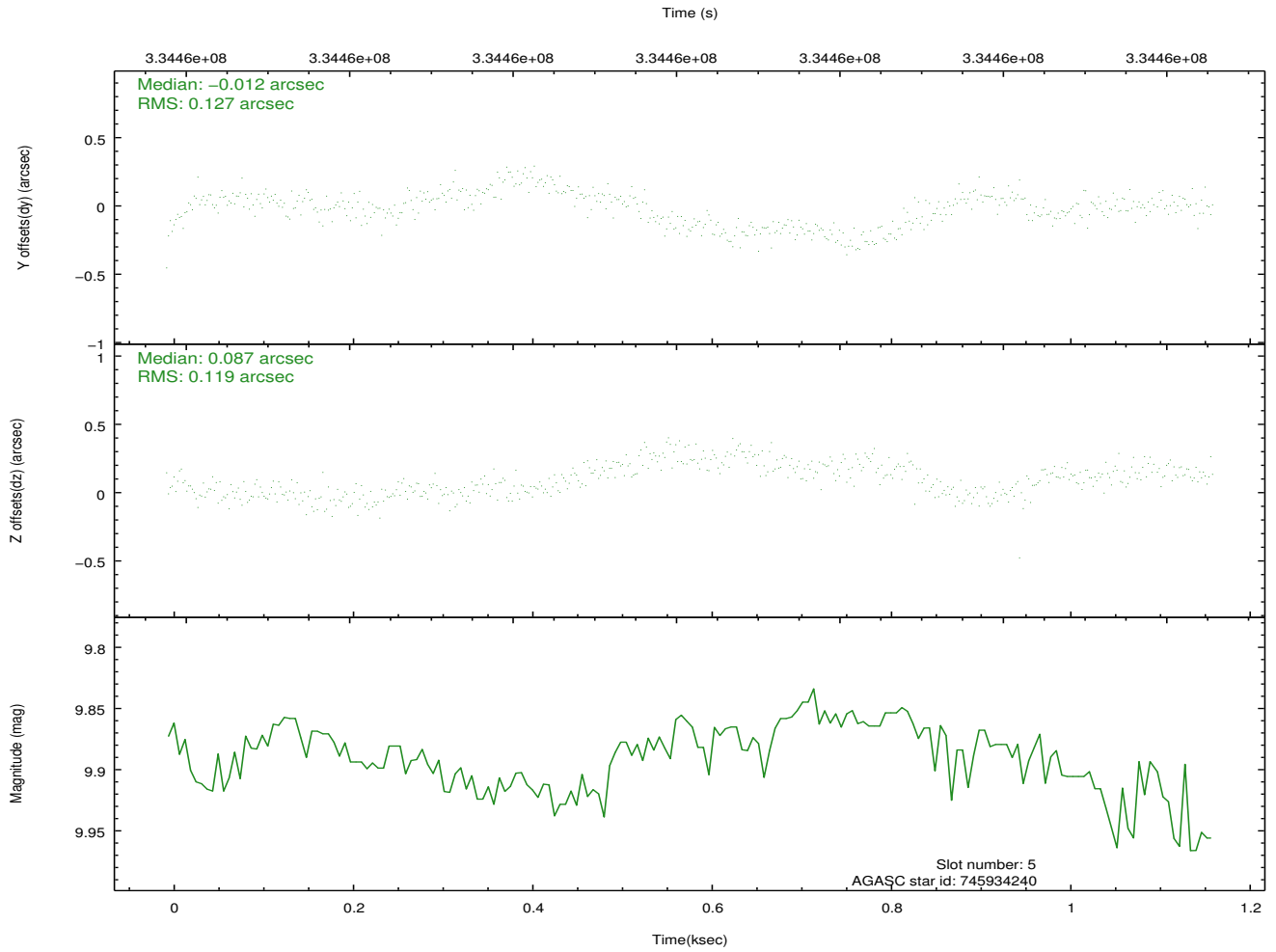
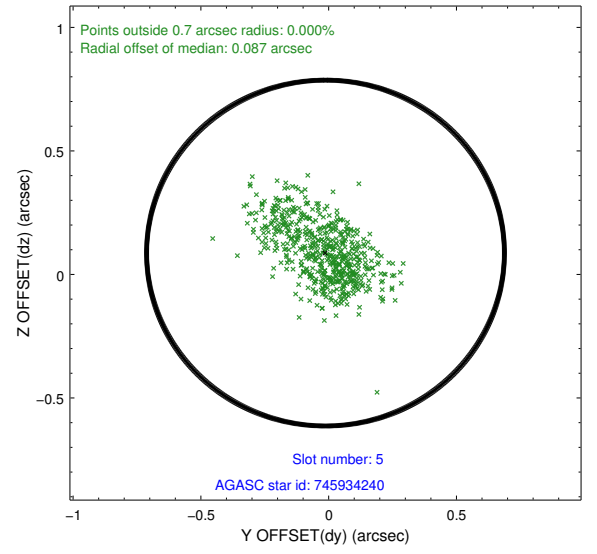
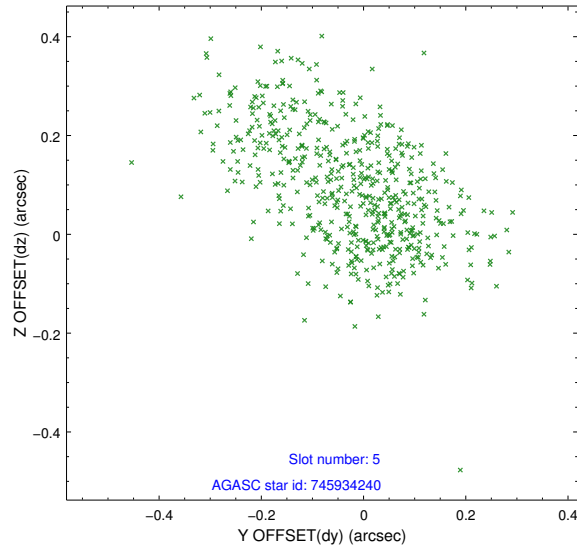
### 2.4.1 Slot 3



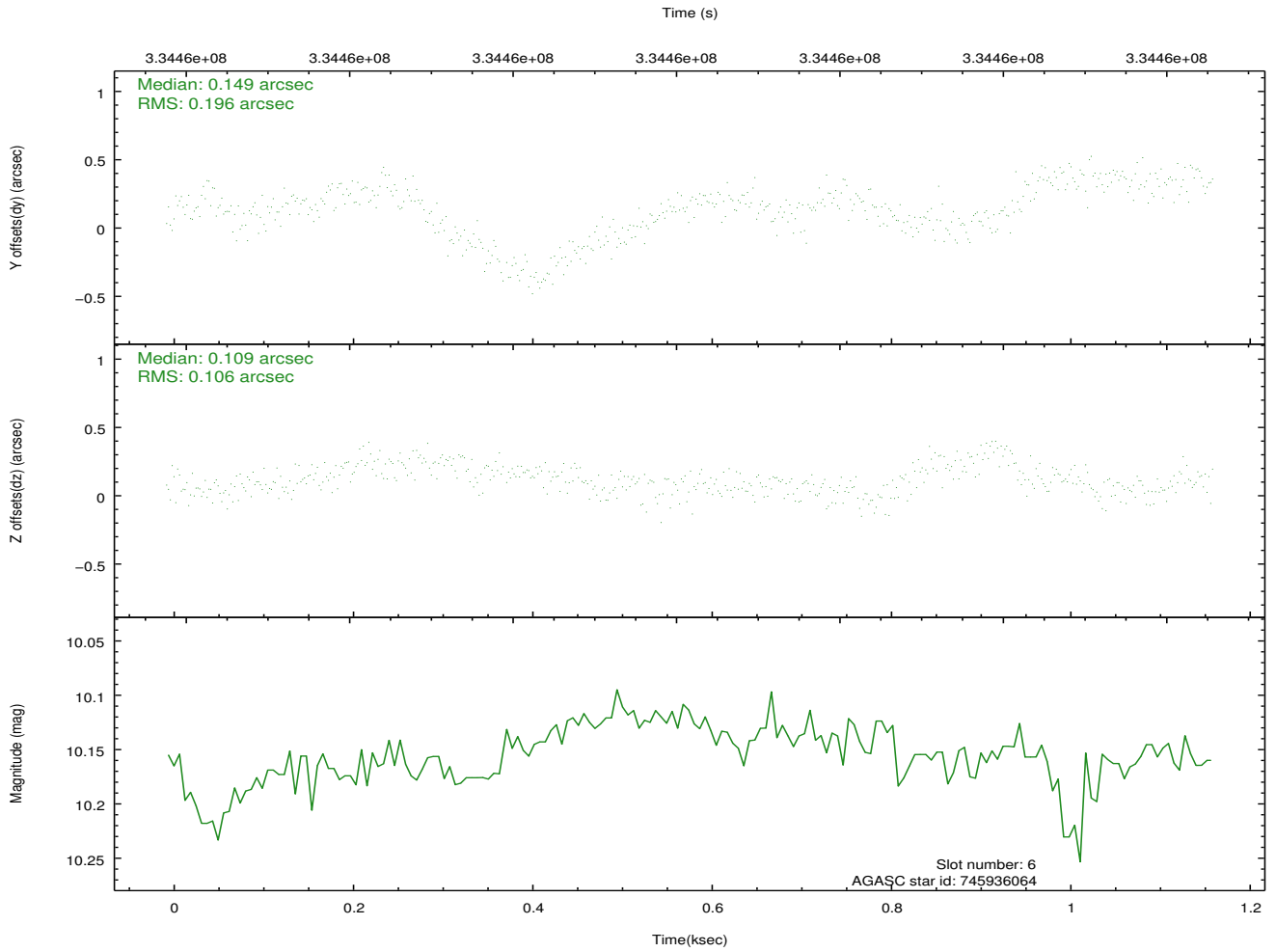
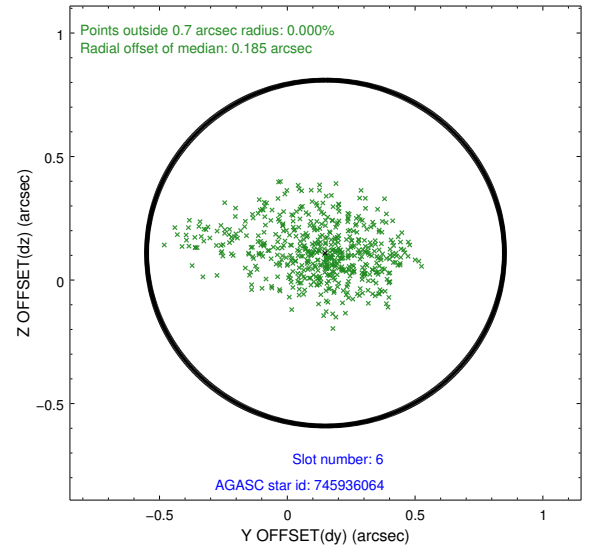
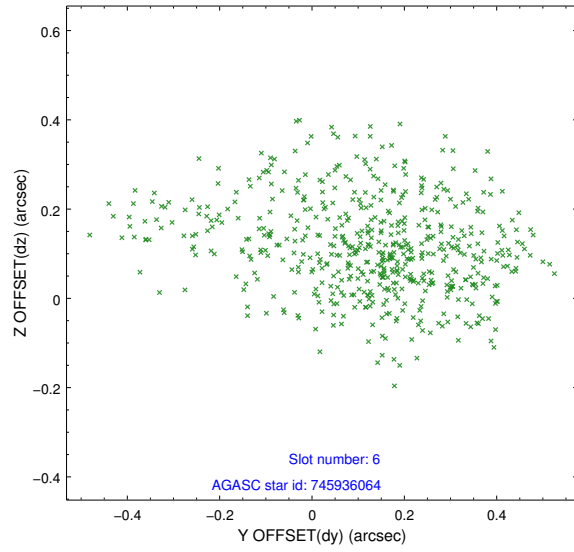
## 2.4.2 Slot 4



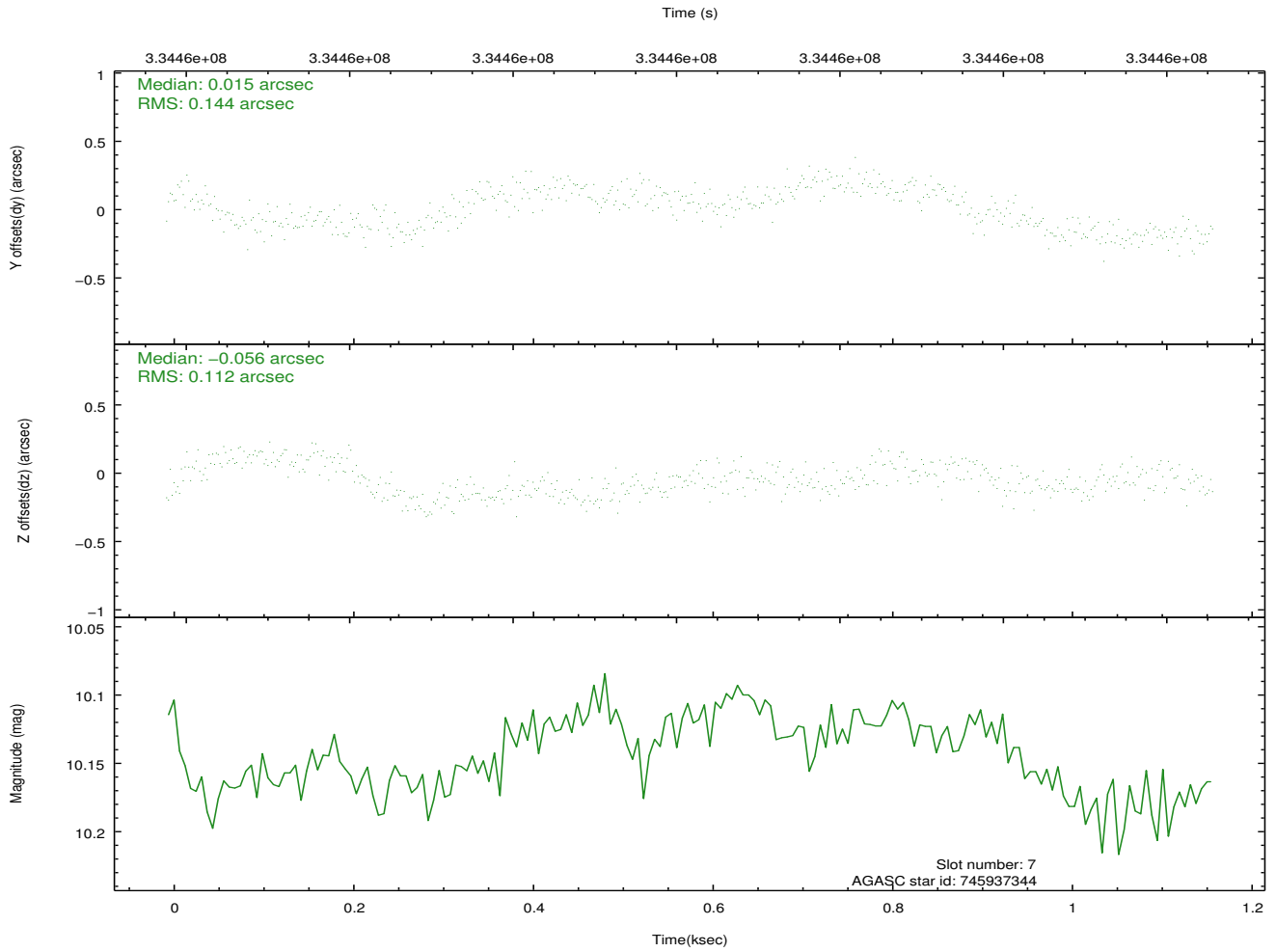
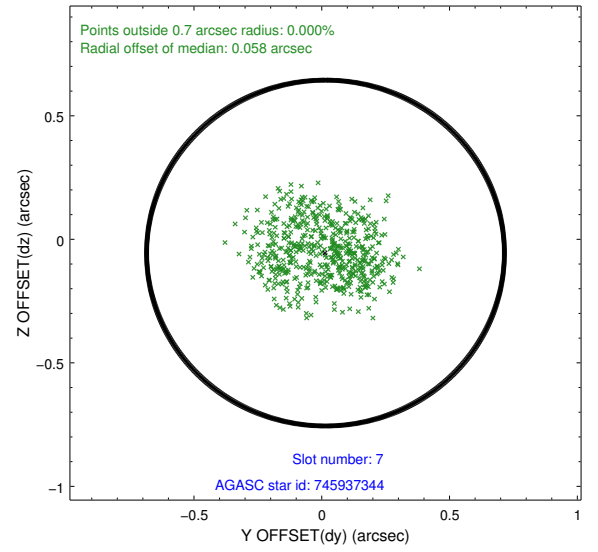
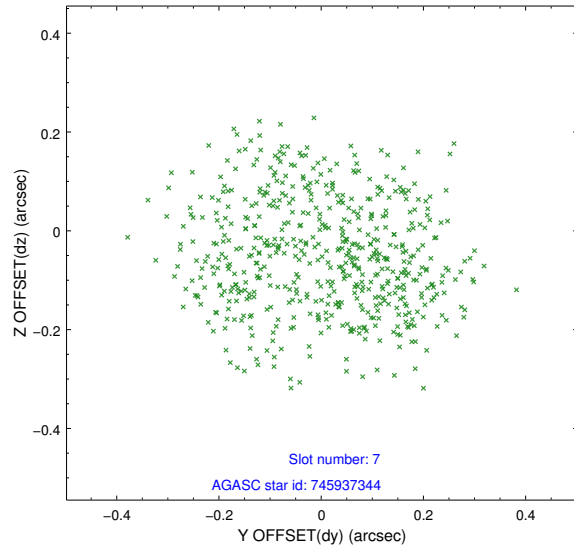
### 2.4.3 Slot 5



## 2.4.4 Slot 6

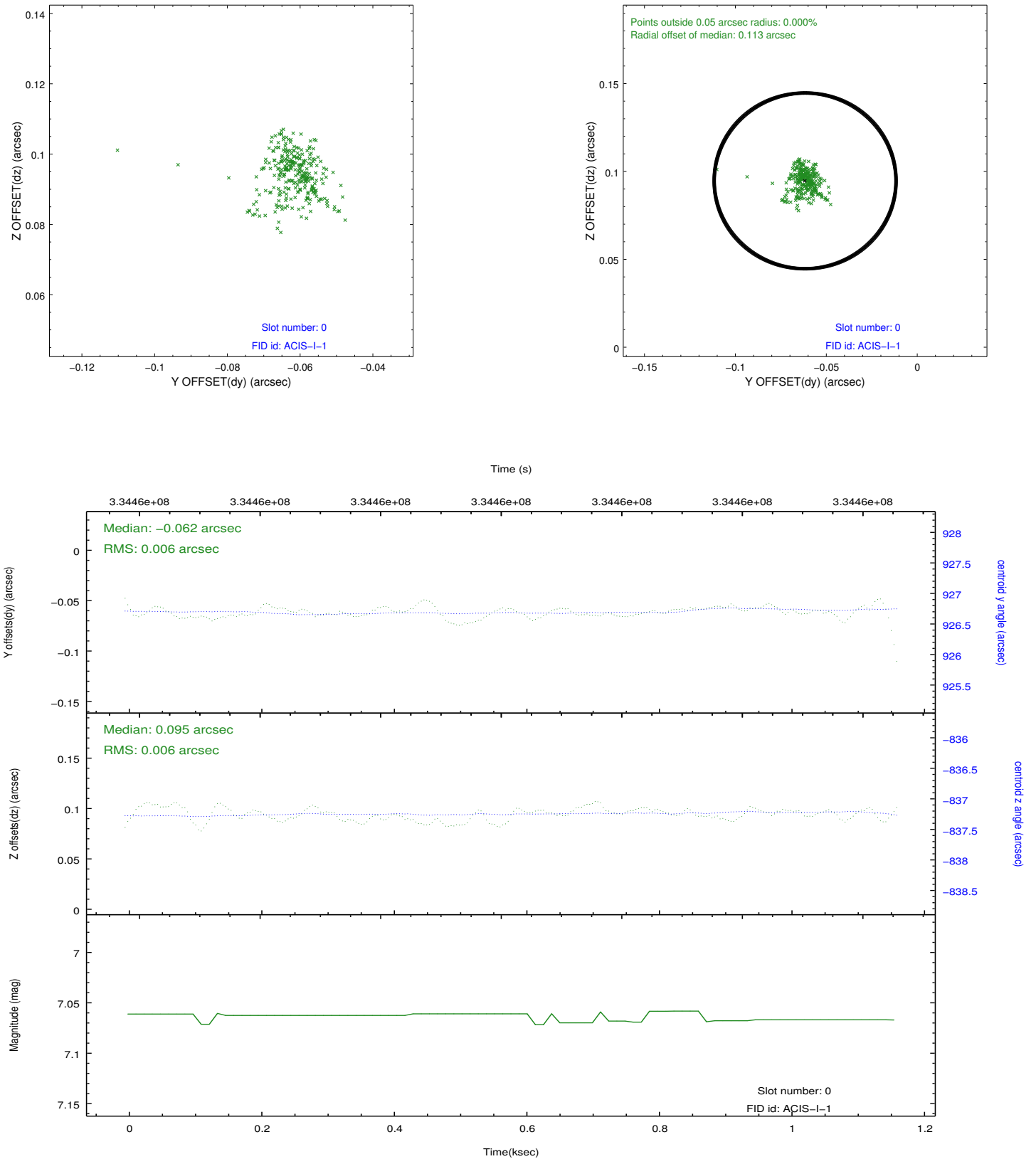


## 2.4.5 Slot 7

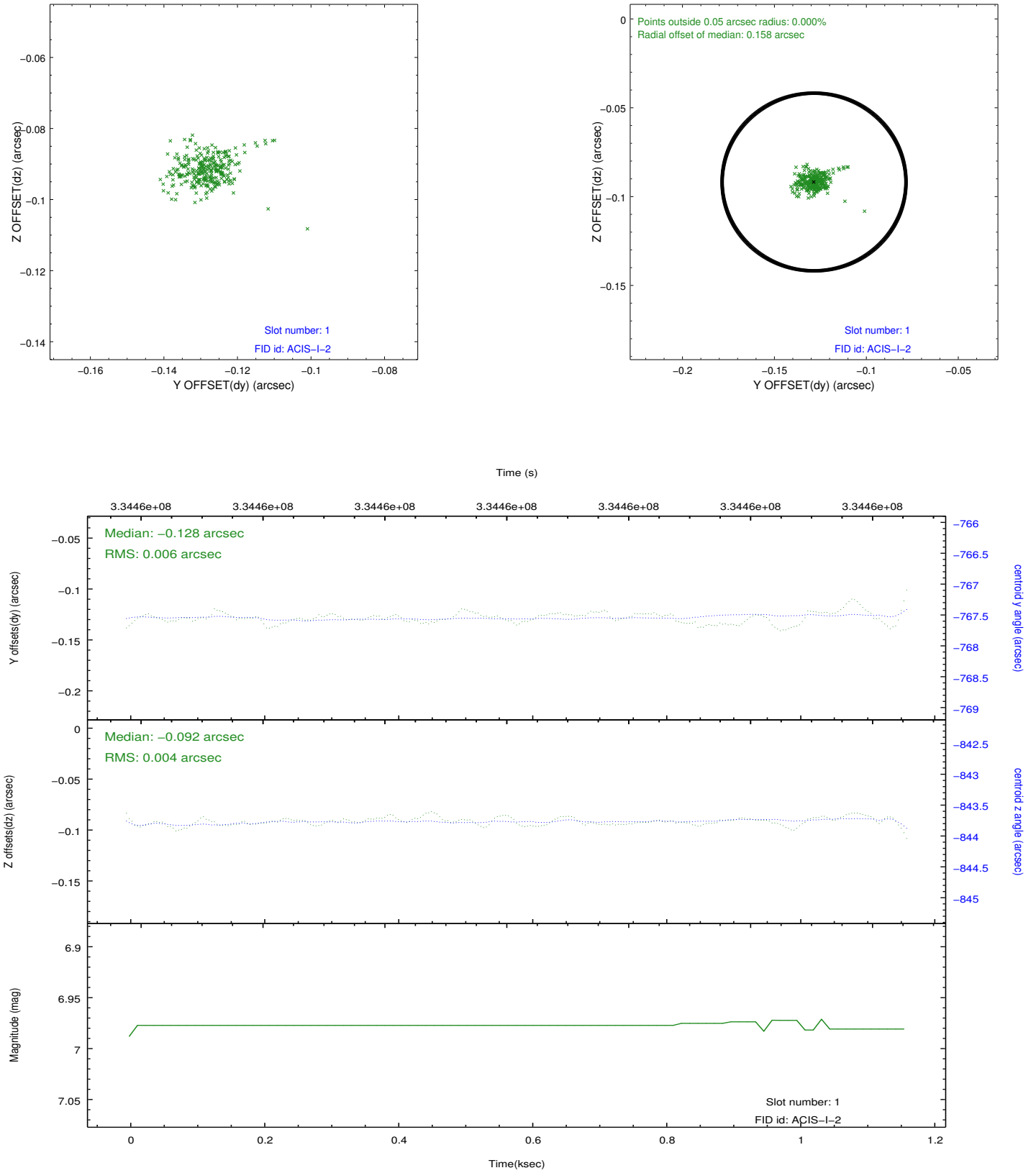


## 2.5 FID Slots

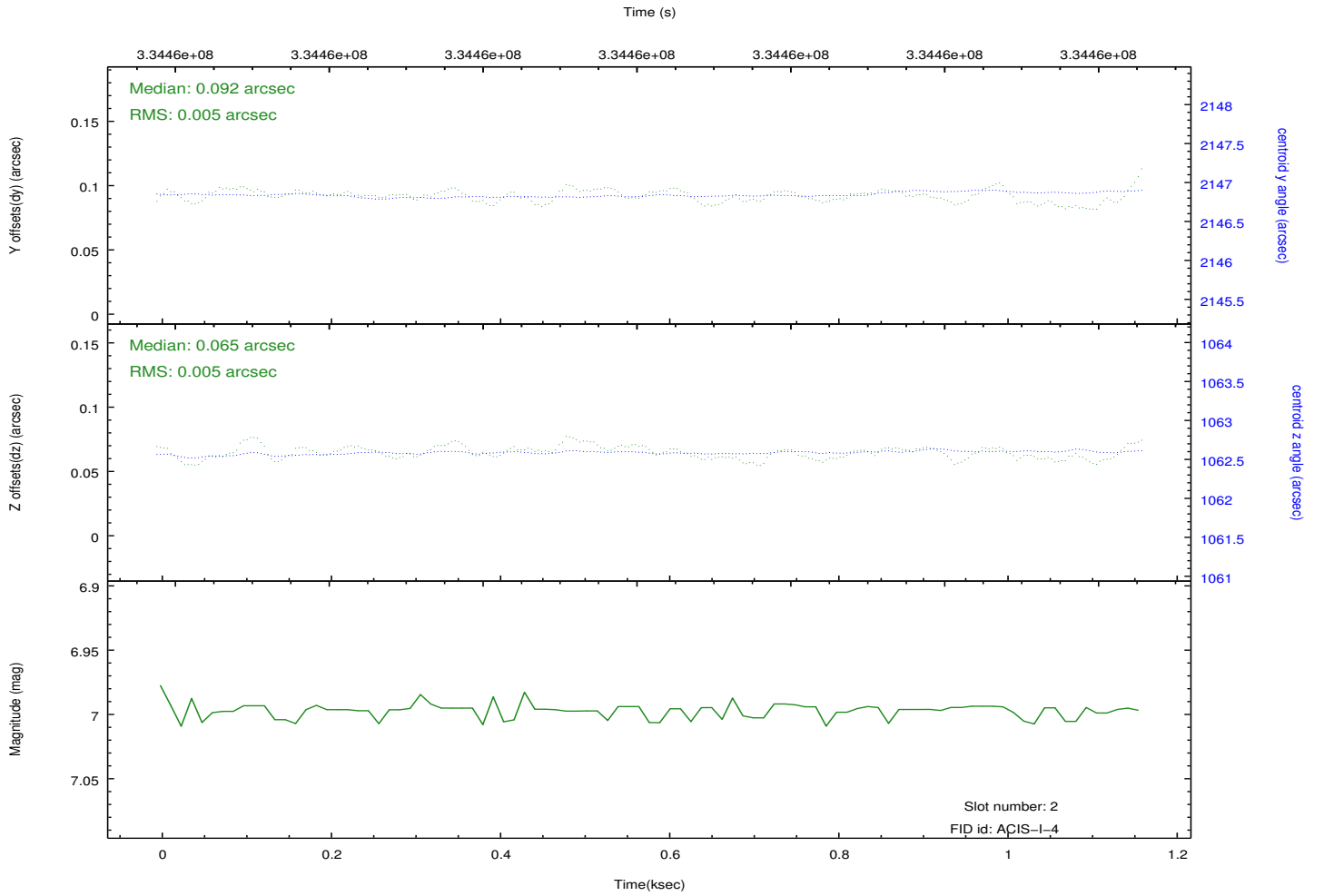
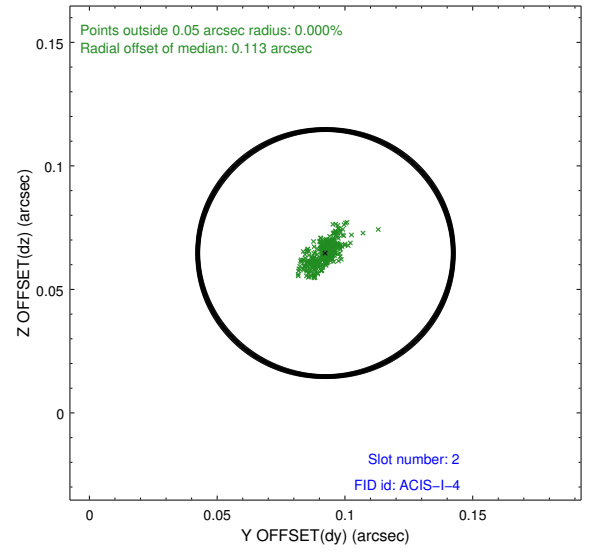
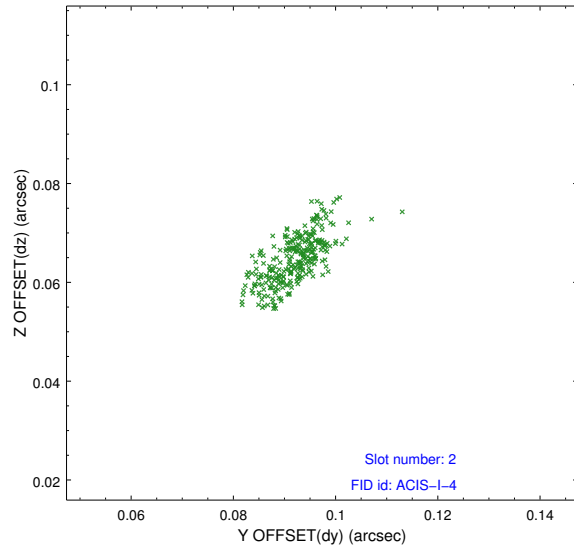
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.15839999

### A.2 Comments

Joint proposal with XMM.