

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9066 - L2 Version 2  
Chandra X-Ray Center

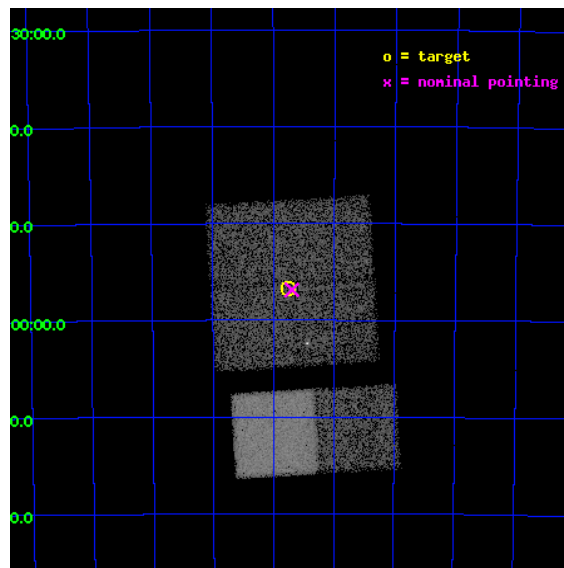
L2 Processing Date : May 21 2012

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# 1 Front

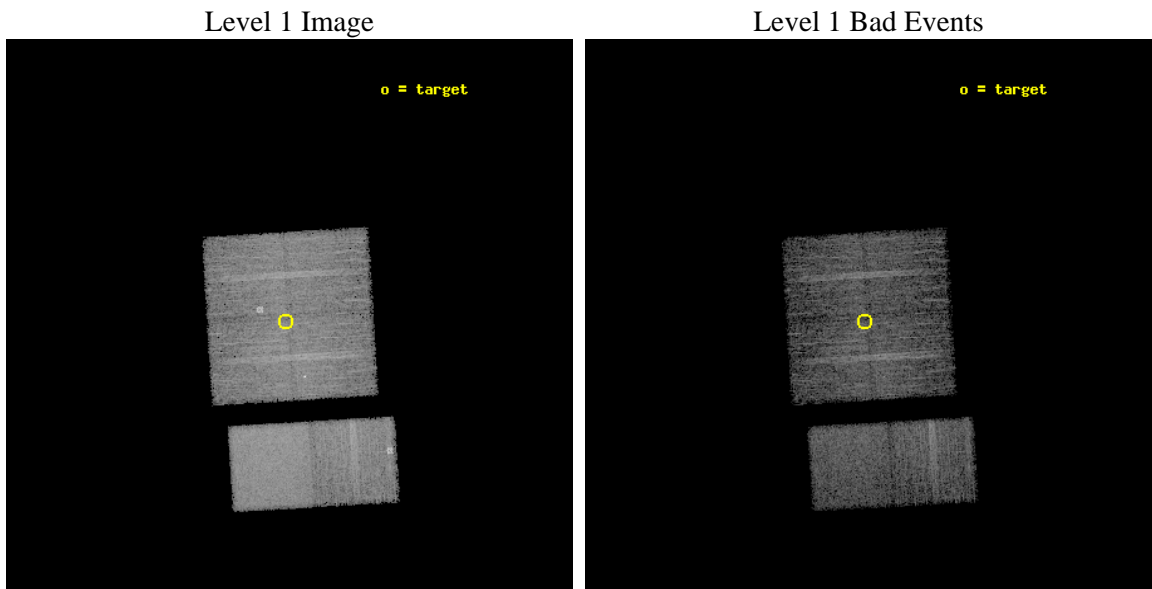
seq_num	400917	Sequence number
obs_id	9066	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J11098-6457	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	167.441667	Observer's specified target RA [deg]
dec_targ	-64.946111	Observer's specified target Dec [deg]
ra_nom	167.42414440062	Nominal RA [deg]
dec_nom	-64.947889364127	Nominal Dec [deg]
roll_nom	176.54616029316	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5174.3589805365	Sum of GTIs [s]
livetime	5108.8381315	Livetime [s]
ontime0	5177.5999807715	Sum of GTIs [s]
ontime1	5177.5999807715	Sum of GTIs [s]
ontime2	5177.5999807715	Sum of GTIs [s]
ontime3	5174.3589805365	Sum of GTIs [s]
ontime6	5177.5999807715	Sum of GTIs [s]
ontime7	5177.5999807715	Sum of GTIs [s]
l2events	57148	Number of level 2 events



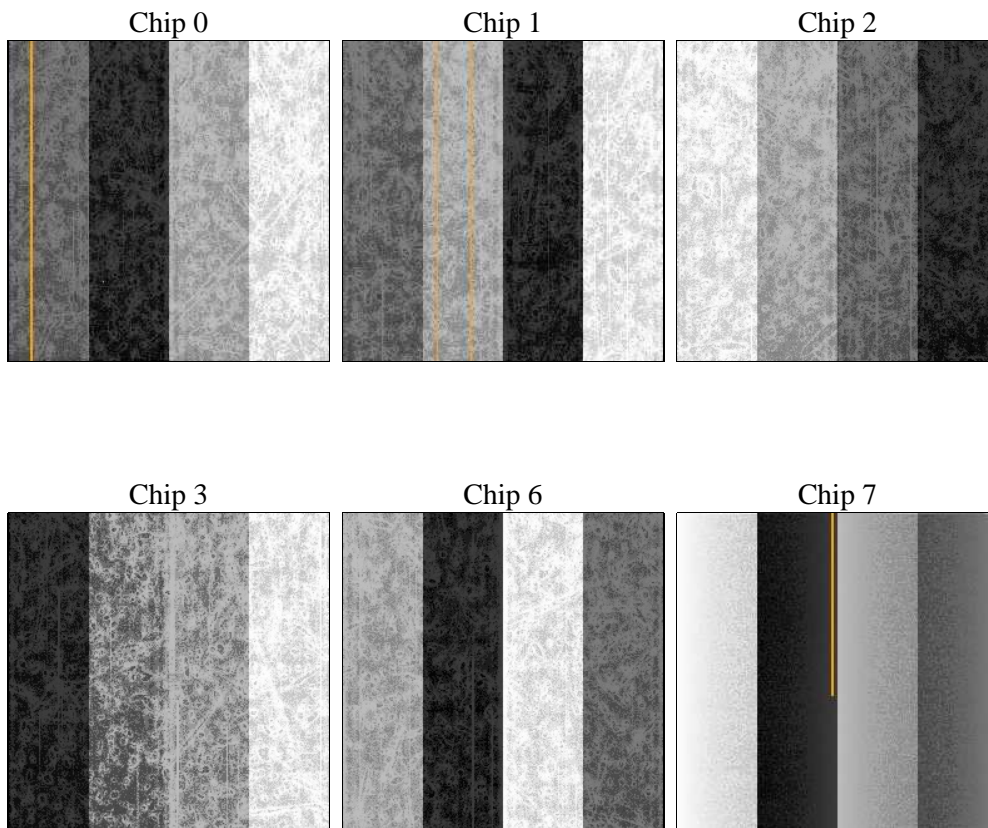
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5174.3589805365	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	5177.5999807715	Sum of GTIs [s]
date	2012-05-21T08:58:29	Date and time of file creation	ontime1	5177.5999807715	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5177.5999807715	Sum of GTIs [s]
			ontime3	5174.3589805365	Sum of GTIs [s]
			ontime6	5177.5999807715	Sum of GTIs [s]
			ontime7	5177.5999807715	Sum of GTIs [s]
			l1events	325558	Number of level 1 events

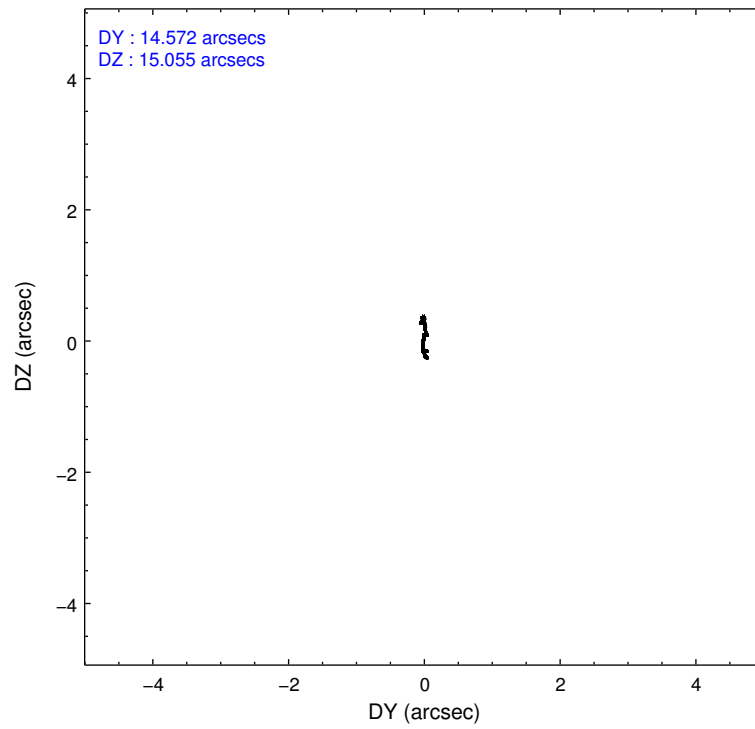
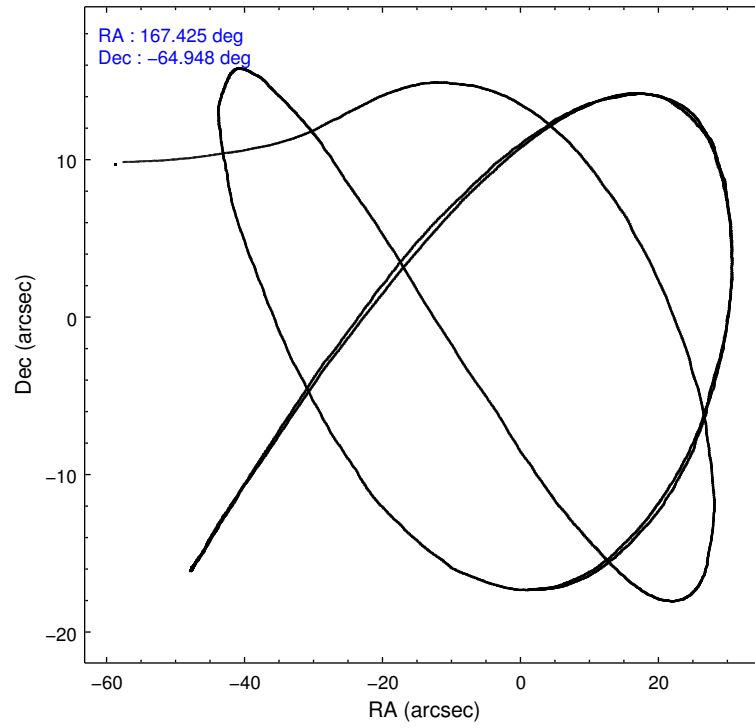
### 2.1.4 Events

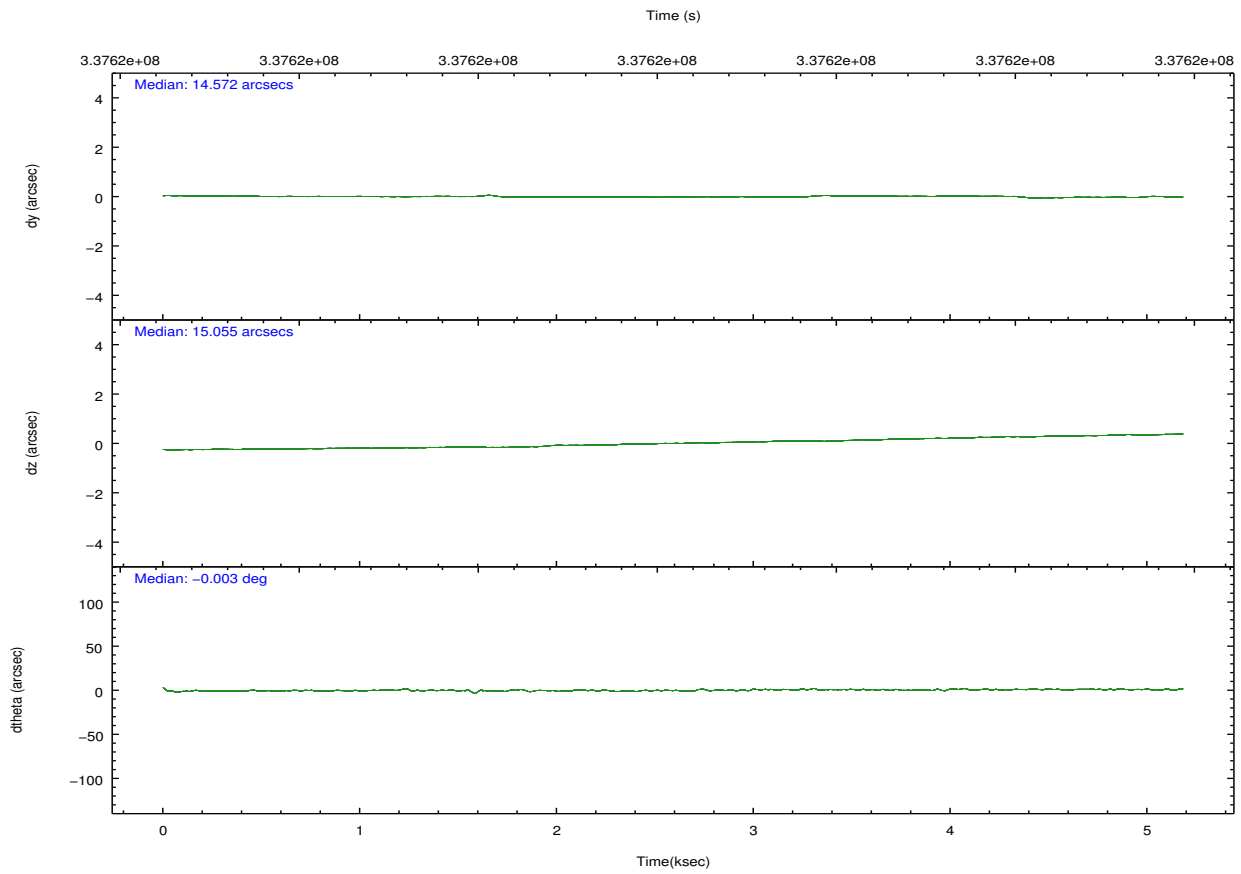
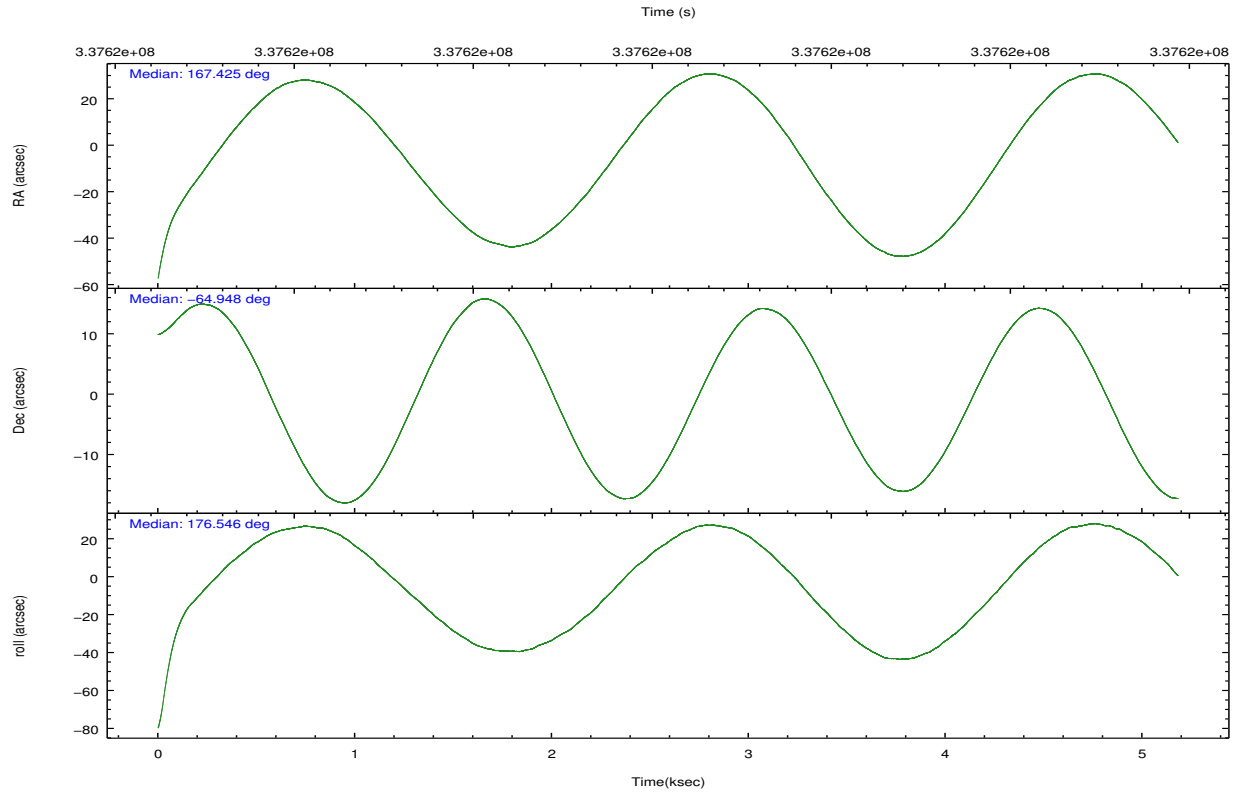
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46647	49130	52640	49174	55115	72852	grade 0 events	2679	2533	3359	2718	4066	2471
rejected events	40377	41136	45664	43042	47114	43189		5%	5%	6%	5%	7%	3%
rejected %	86%	83%	86%	87%	85%	59%	grade 1 events	29	28	66	42	41	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	1424	3086	1500	1210	1497	6110
								3%	6%	2%	2%	2%	8%
							grade 3 events	597	599	569	587	628	2527
								1%	1%	1%	1%	1%	3%
							grade 4 events	552	636	595	596	611	2520
								1%	1%	1%	1%	1%	3%
							grade 5 events	2196	2316	2096	2545	2606	6833
								4%	4%	3%	5%	4%	9%
							grade 6 events	1120	1300	1090	1135	1347	16541
								2%	2%	2%	2%	2%	22%
							grade 7 events	38050	38632	43365	40341	44319	35778
								81%	78%	82%	82%	80%	49%

## 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	167.481087	167.4241444006159	CCD I2 on	Y	Y
[deg] Pointing Dec	-64.935658	-64.94788936412669	CCD I3 on	Y	Y
[deg] Pointing Roll	176.389128	176.5461602931636	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)	337618680.184000	337617562.68971	CCD S5 on	N	N
Observation start date	2008-09-12T14:56:55	2008-09-12T14:39:22	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	337623680.184000	337625052.36508	On-chip summing requested	N	N
Observation end date	2008-09-12T16:20:15	2008-09-12T16:44:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



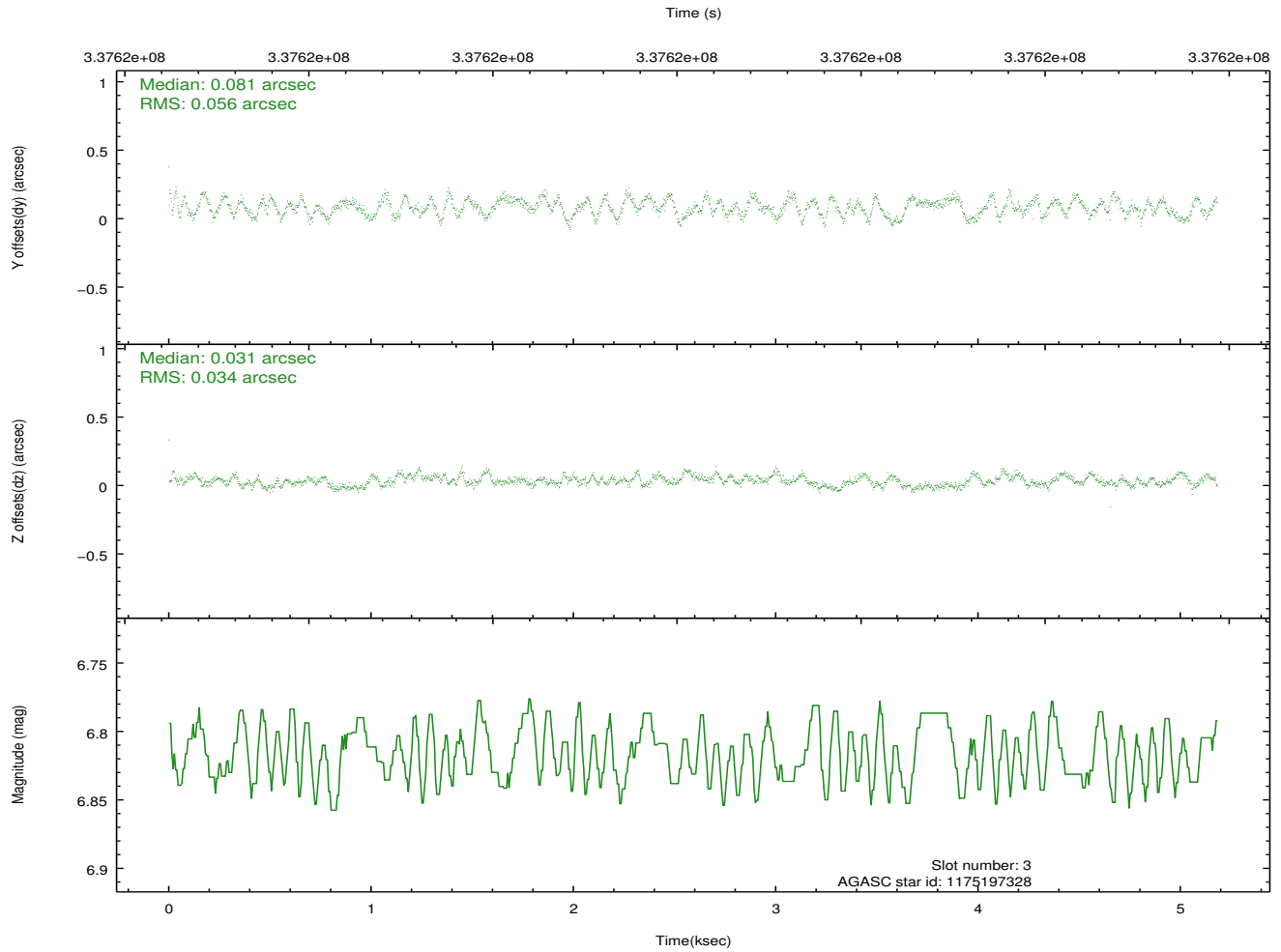
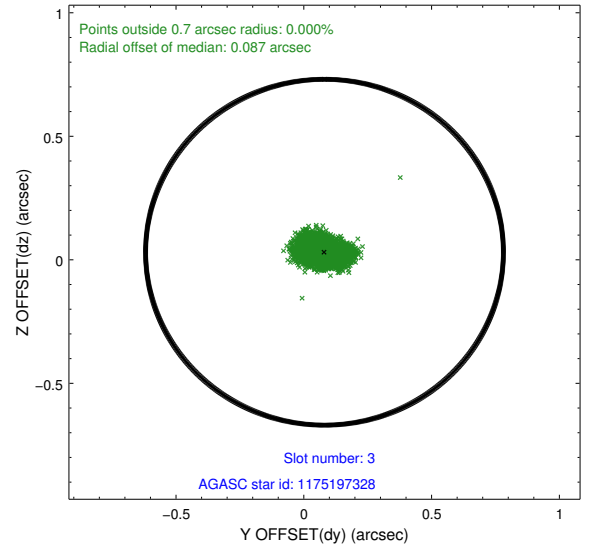
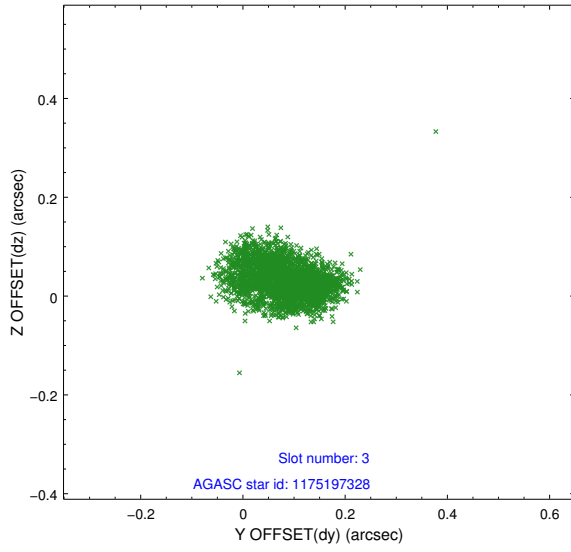


### Slot Statistics

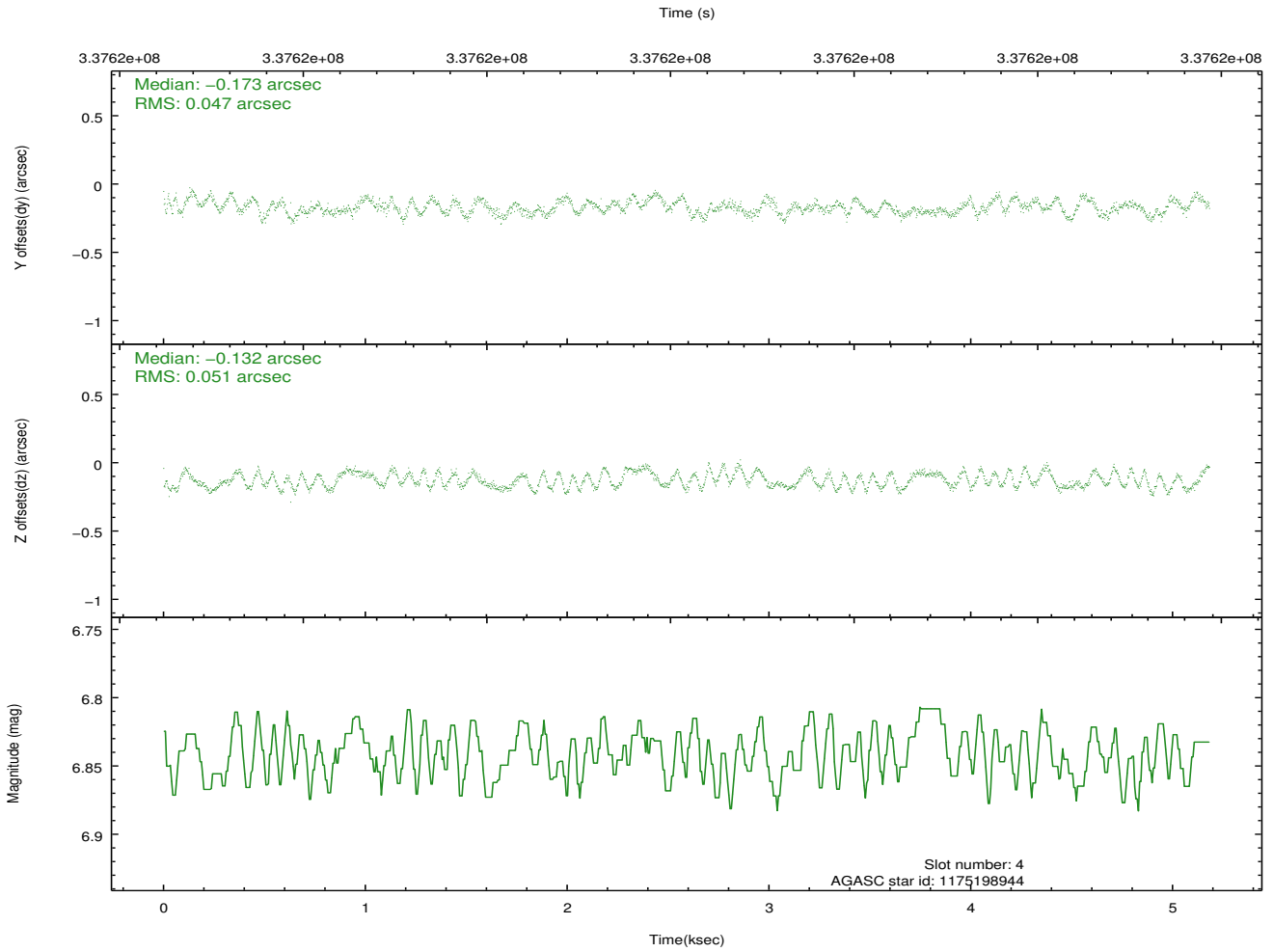
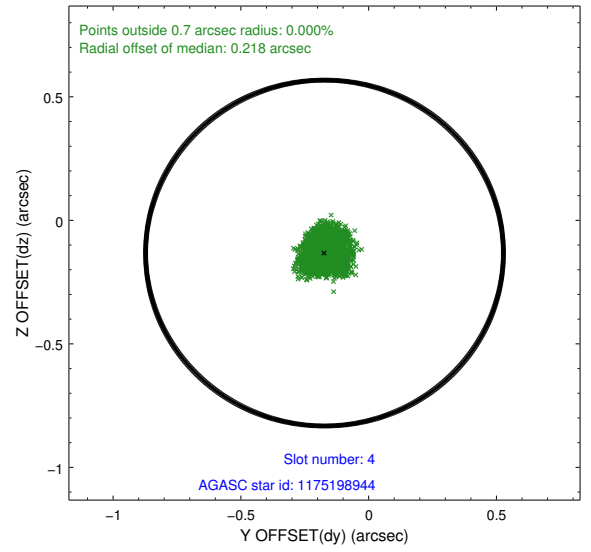
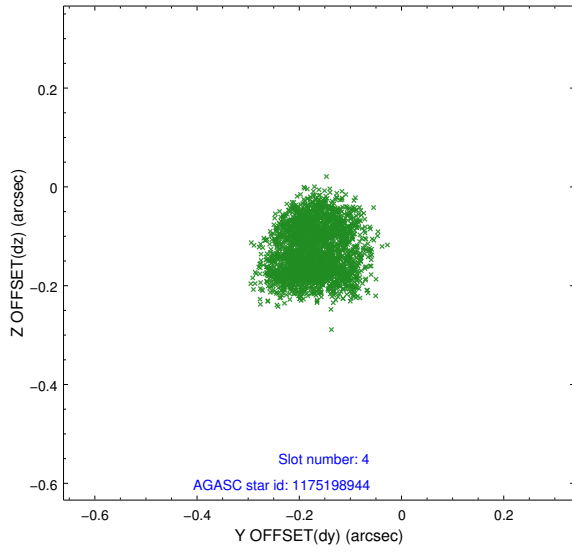
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.08	1264	0.009	-0.017	0.012	0.023	0.000000	0.000000	924.92	-838.68
1	FID	ACIS-I-4	7.00	1264	0.149	0.031	0.010	0.017	0.000000	0.000000	2145.73	1060.60
2	FID	ACIS-I-5	7.07	1264	-0.256	0.057	0.008	0.013	0.000000	0.000000	-1821.86	1059.77
3	GUIDE	1175197328	6.82	2528	0.081	0.031	0.072	0.110	166.601062	-64.839971	1367.48	-248.68
4	GUIDE	1175198944	6.84	2529	-0.173	-0.132	0.077	0.110	167.109766	-65.428536	445.31	1807.97
5	GUIDE	1175198952	7.70	2529	0.079	-0.039	0.075	0.129	166.208093	-64.615731	2034.02	-1004.60
6	GUIDE	1175328912	8.79	2527	0.019	0.159	0.074	0.117	168.915387	-64.759541	-2156.37	-746.05
7	GUIDE	1175329512	8.28	2527	-0.006	-0.021	0.071	0.117	167.753056	-65.427154	-518.53	1743.24

## 2.4 Star Slots

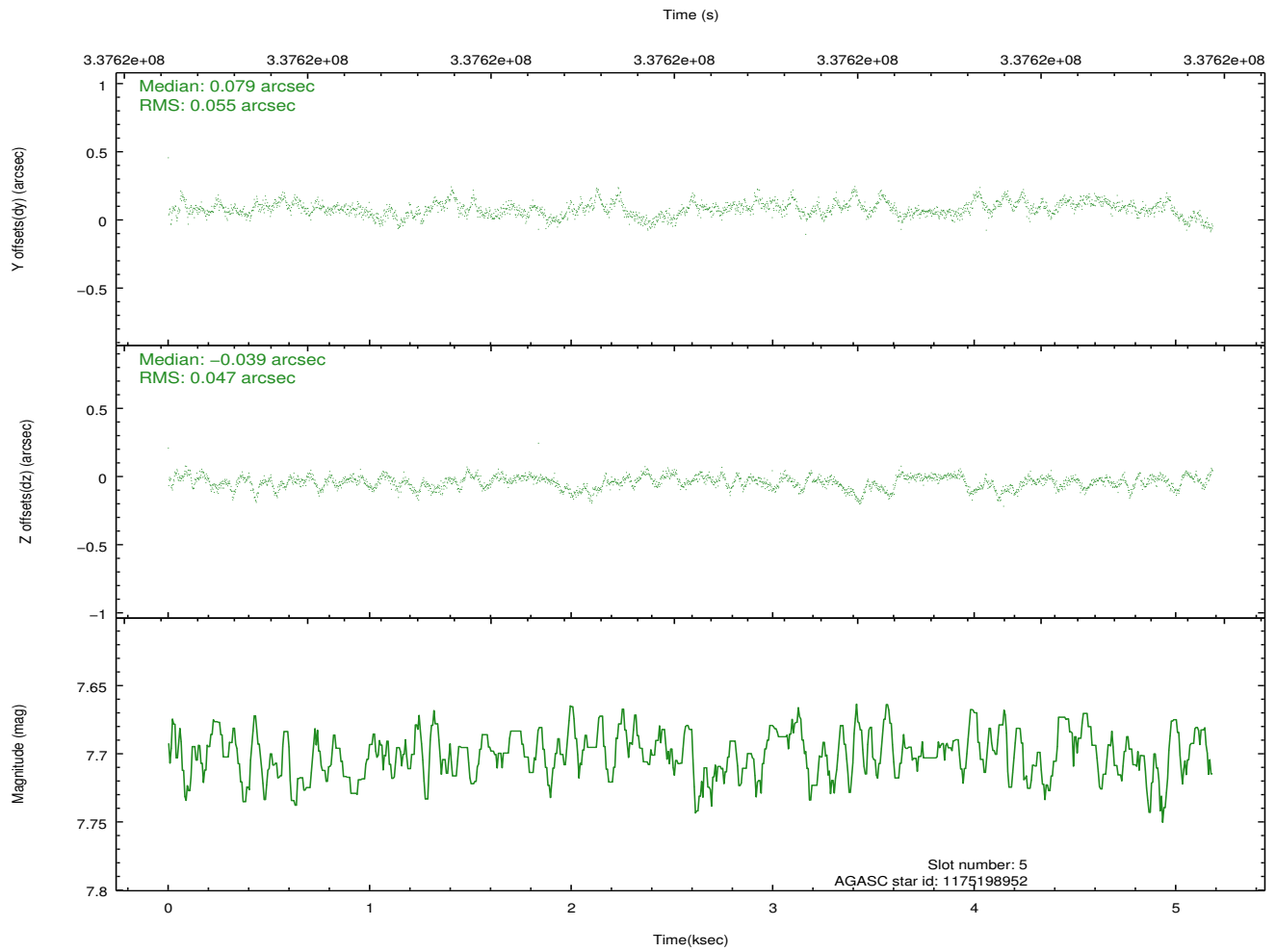
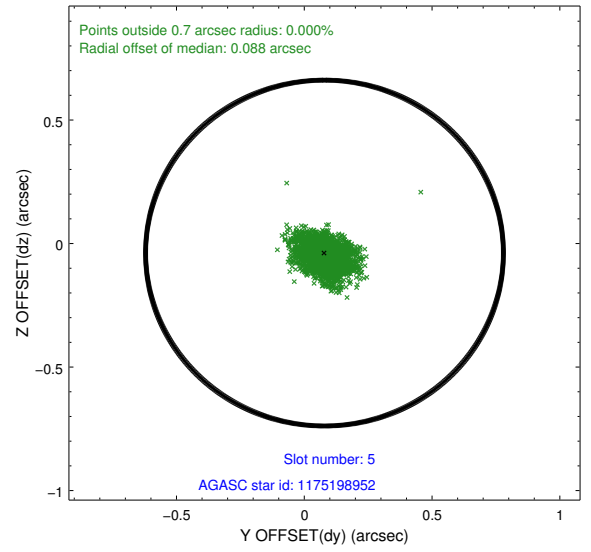
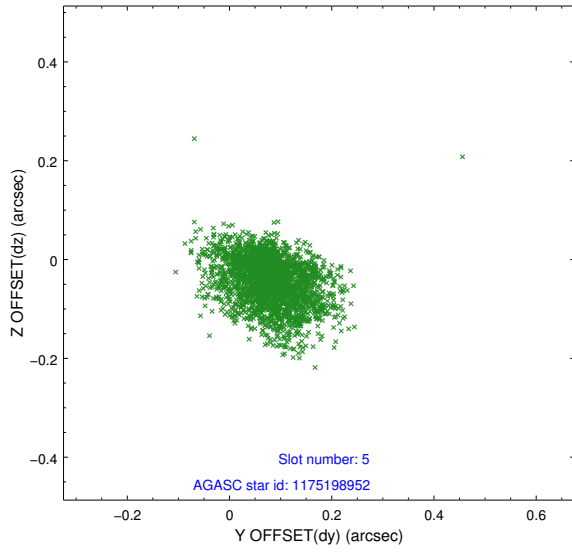
### 2.4.1 Slot 3



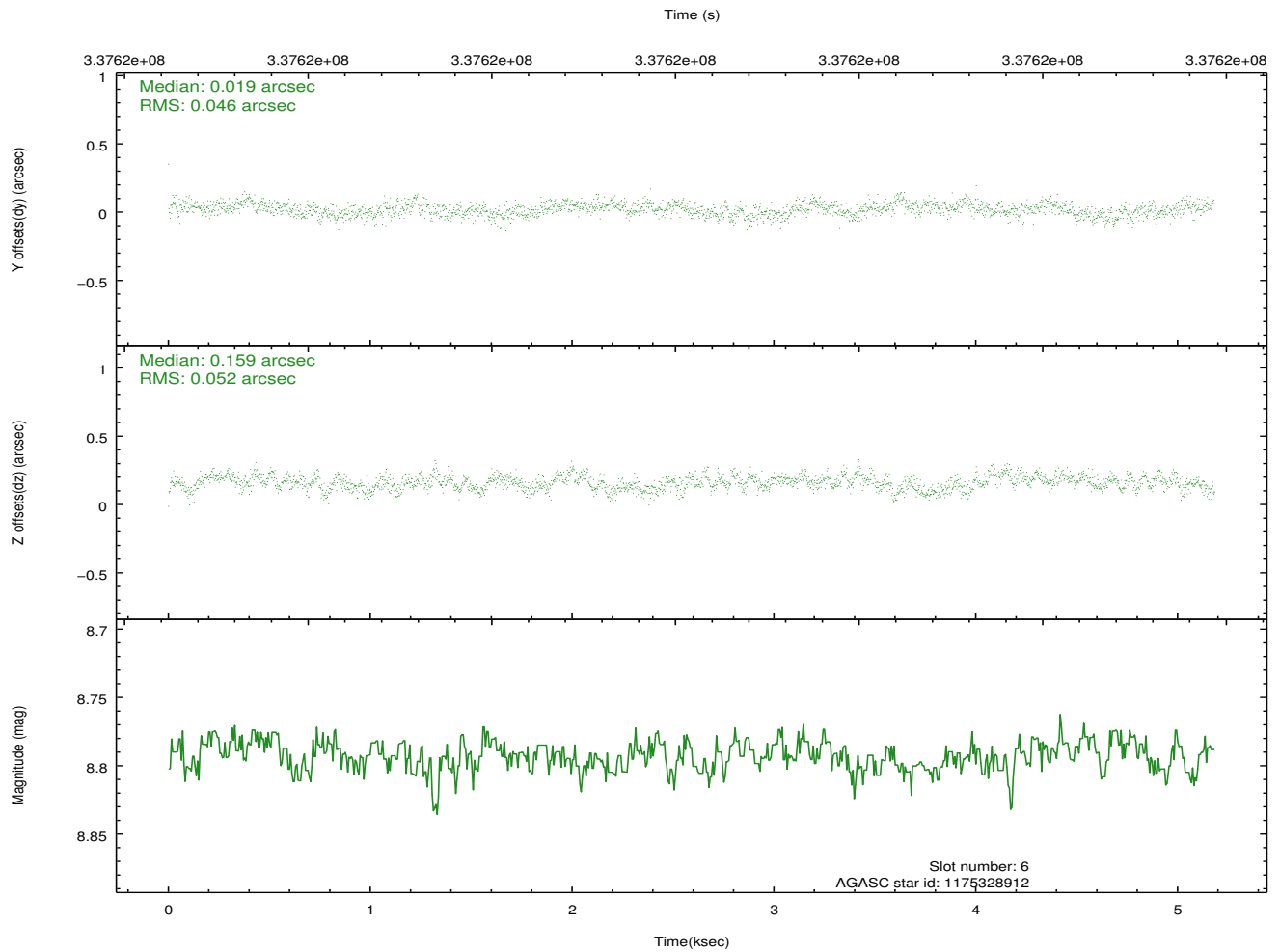
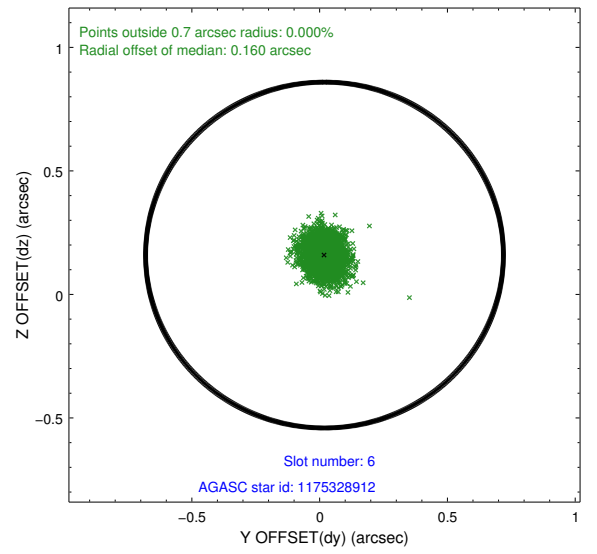
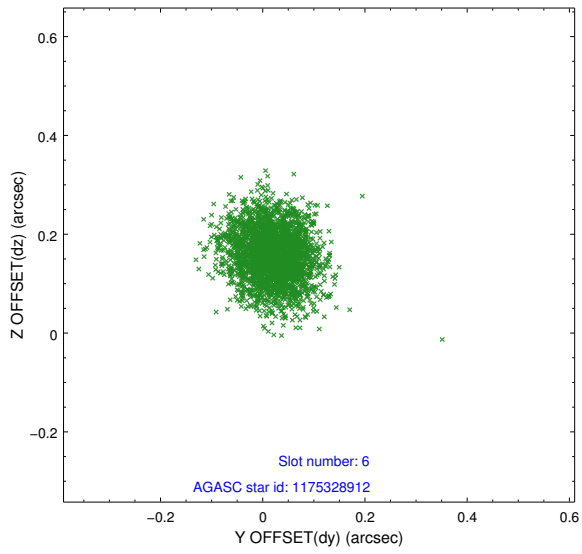
## 2.4.2 Slot 4



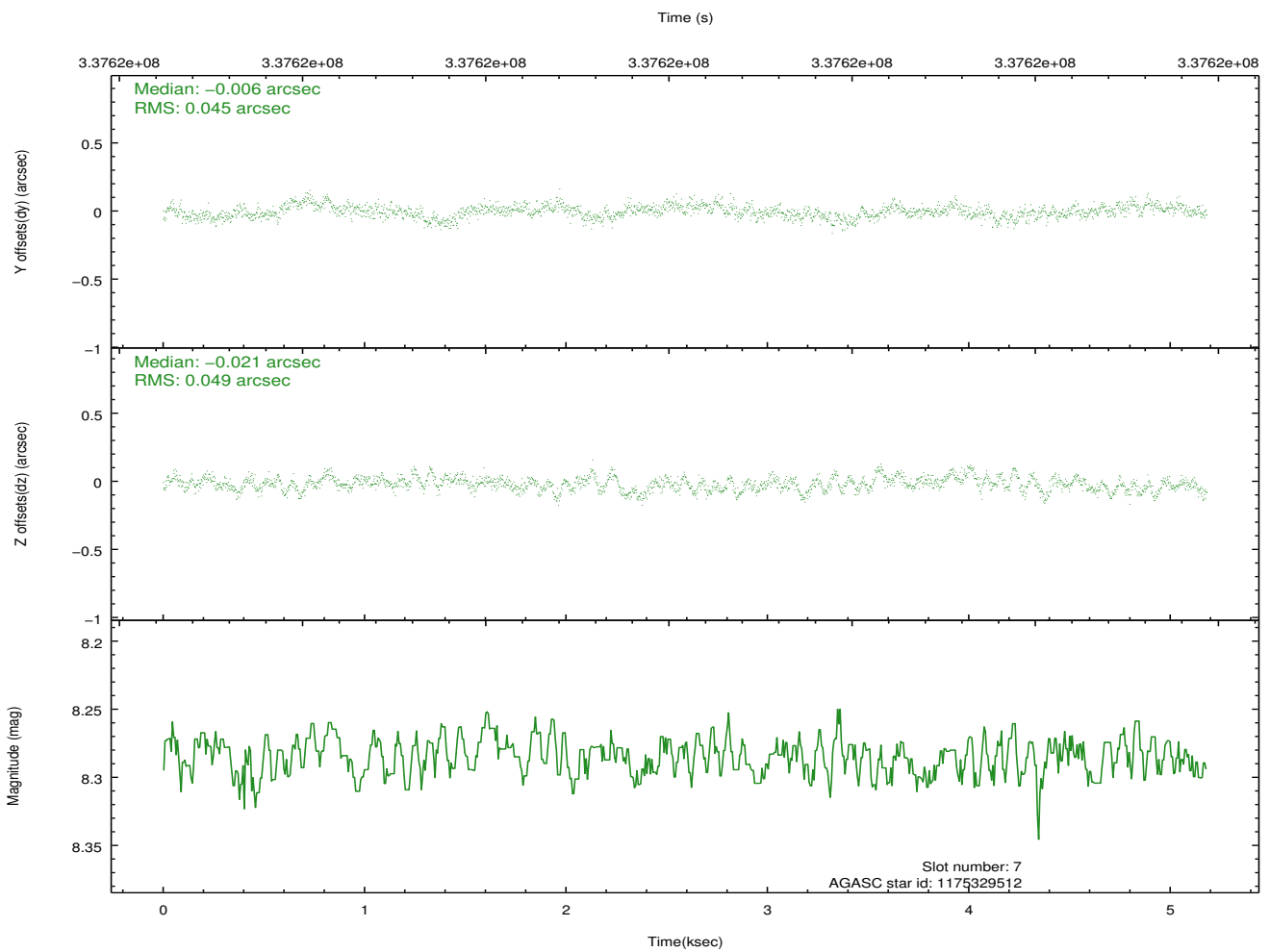
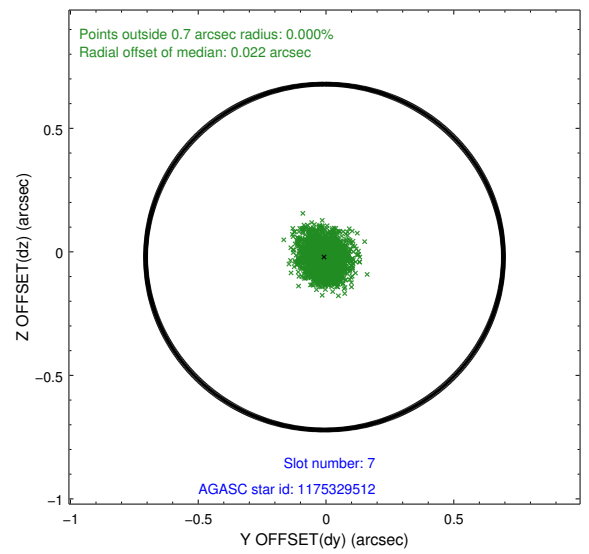
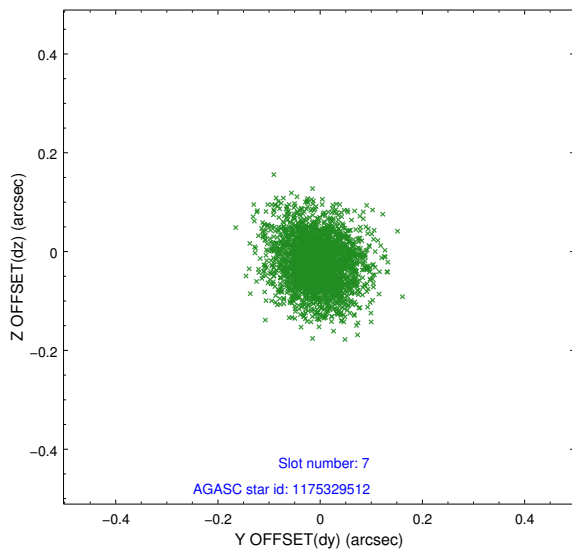
### 2.4.3 Slot 5



## 2.4.4 Slot 6

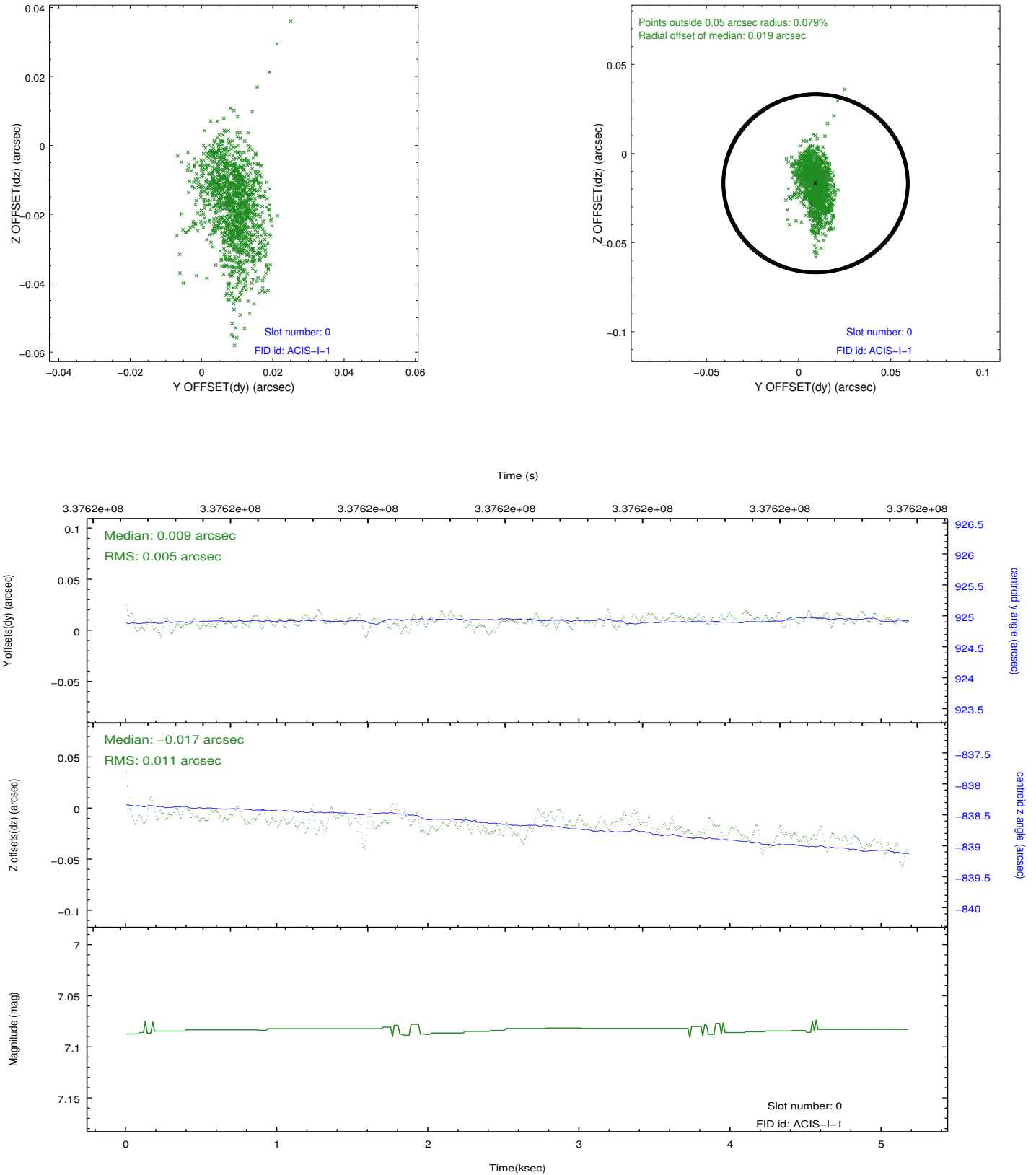


## 2.4.5 Slot 7

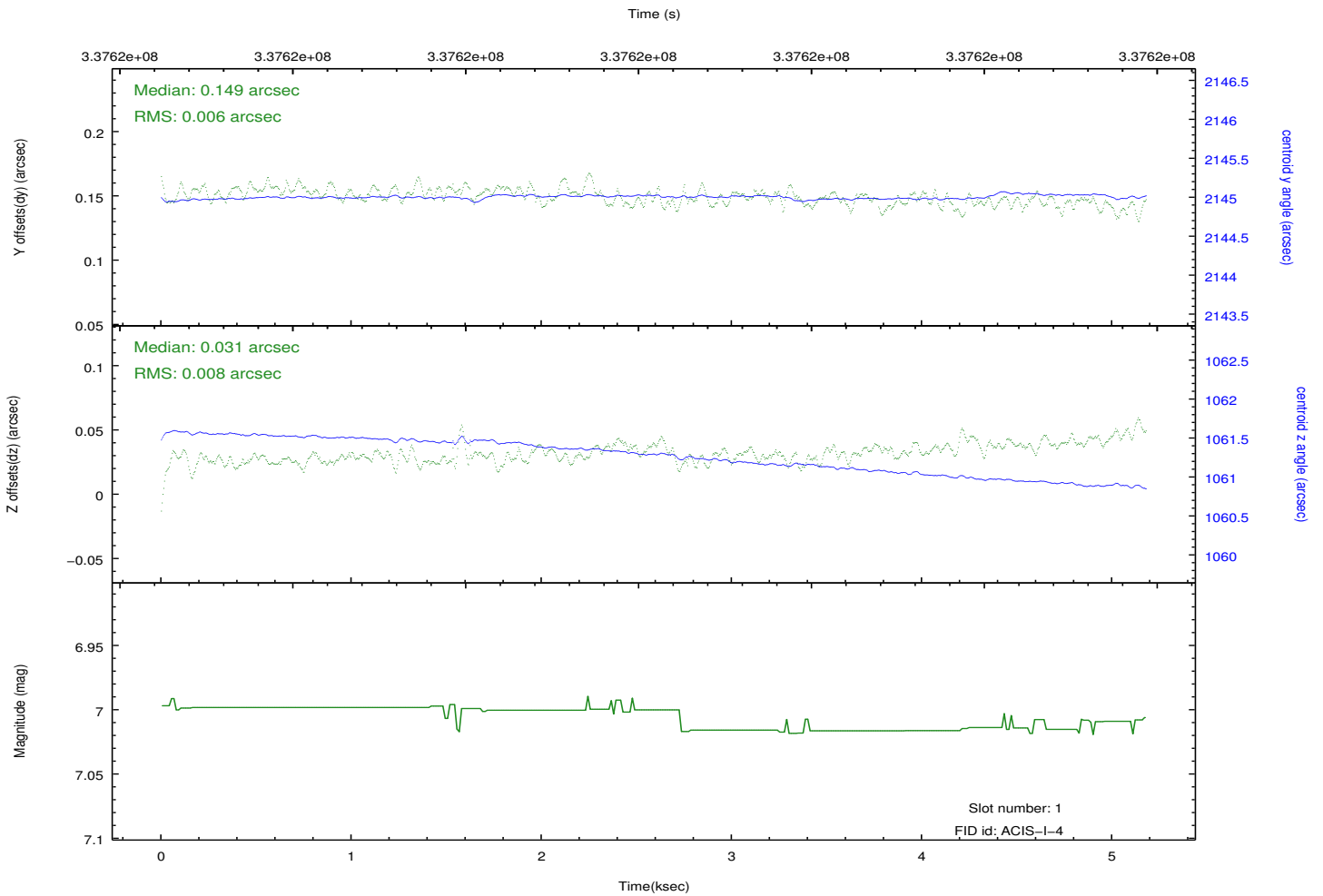
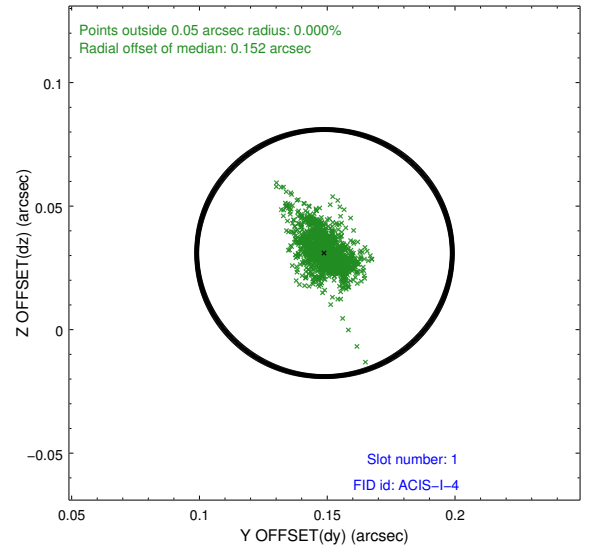
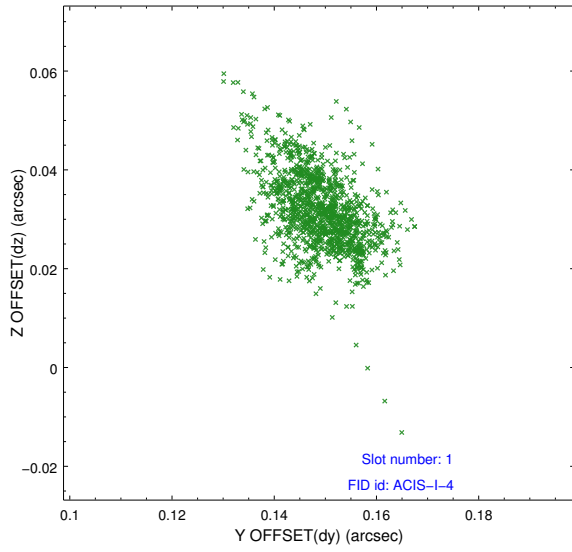


## 2.5 FID Slots

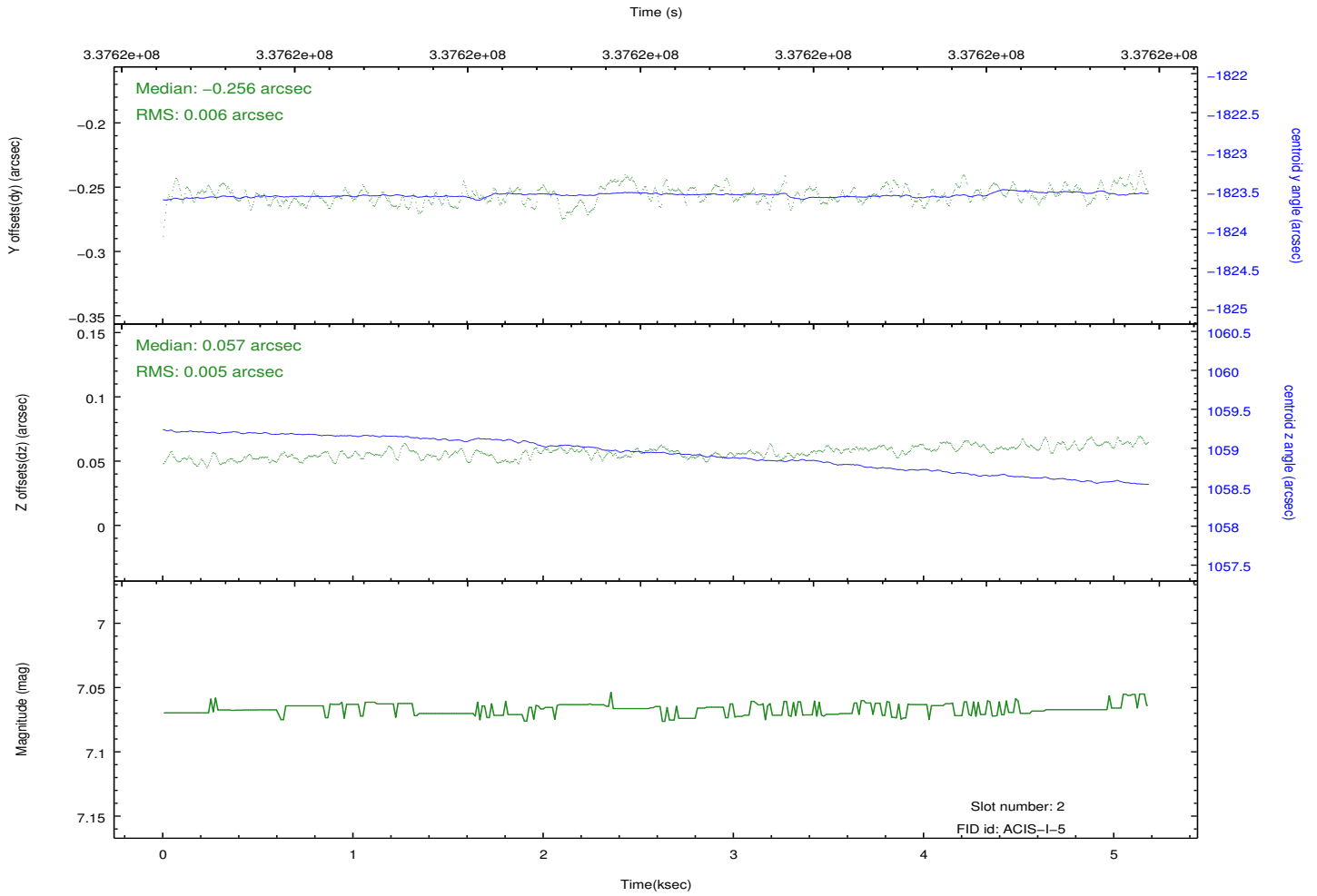
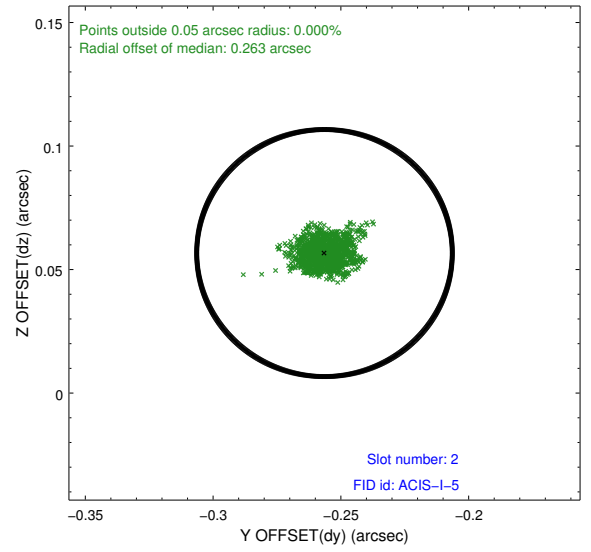
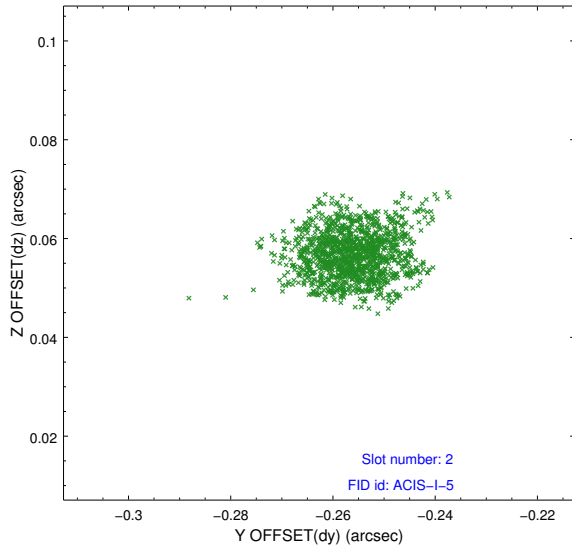
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17435898

## A.2 Comments

Joint Proposal: NOAO