

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9449 - L2 Version 2
Chandra X-Ray Center

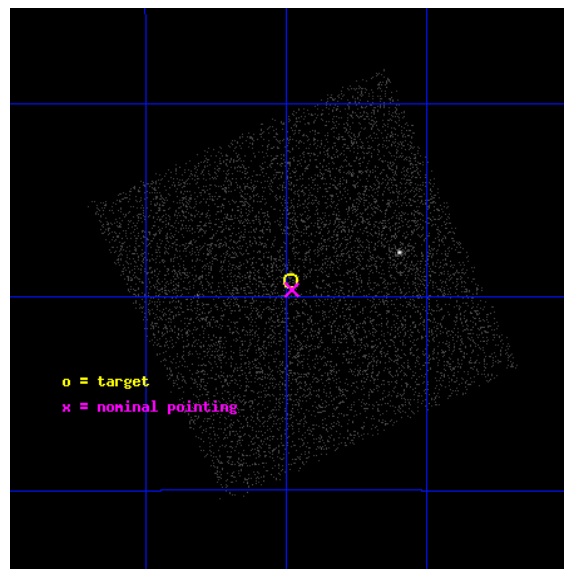
L2 Processing Date : May 19 2012

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1 Front

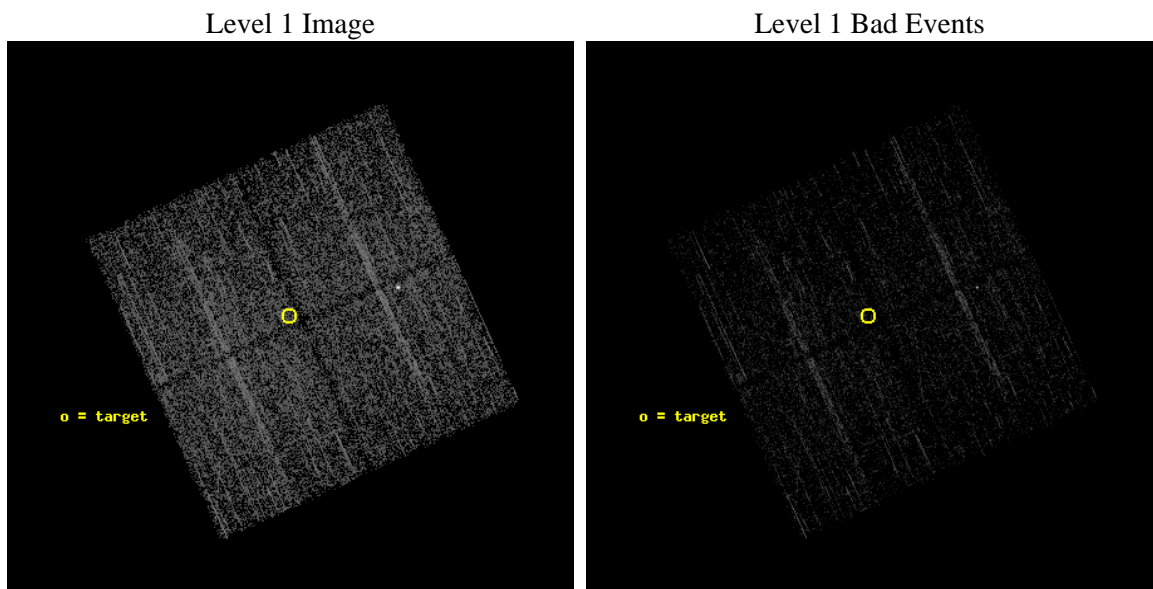
seq_num	900795	Sequence number
obs_id	9449	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	IGR J13135-1109	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	198.370833	Observer's specified target RA [deg]
dec_targ	-11.1525	Observer's specified target Dec [deg]
ra_nom	198.36978232374	Nominal RA [deg]
dec_nom	-11.160673396799	Nominal Dec [deg]
roll_nom	245.56619524355	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2126.6000163555	Sum of GTIs [s]
livetime	2098.8144215617	Livetime [s]
ontime0	2126.6000163555	Sum of GTIs [s]
ontime1	2126.6000163555	Sum of GTIs [s]
ontime2	2126.6000163555	Sum of GTIs [s]
ontime3	2126.6000163555	Sum of GTIs [s]
l2events	10915	Number of level 2 events



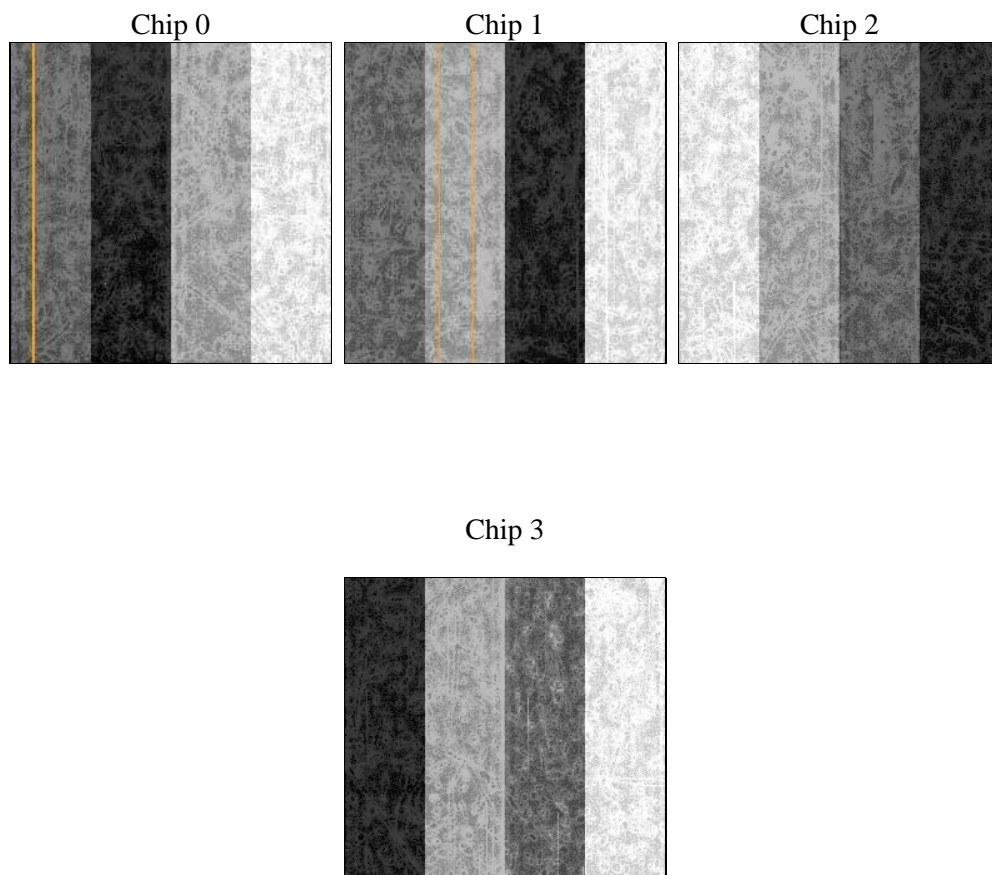
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2126.6000163555	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2126.6000163555	Sum of GTIs [s]
date	2012-05-19T21:05:18	Date and time of file creation	ontime1	2126.6000163555	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2126.6000163555	Sum of GTIs [s]
			ontime3	2126.6000163555	Sum of GTIs [s]
			l1events	105454	Number of level 1 events

2.1.4 Events

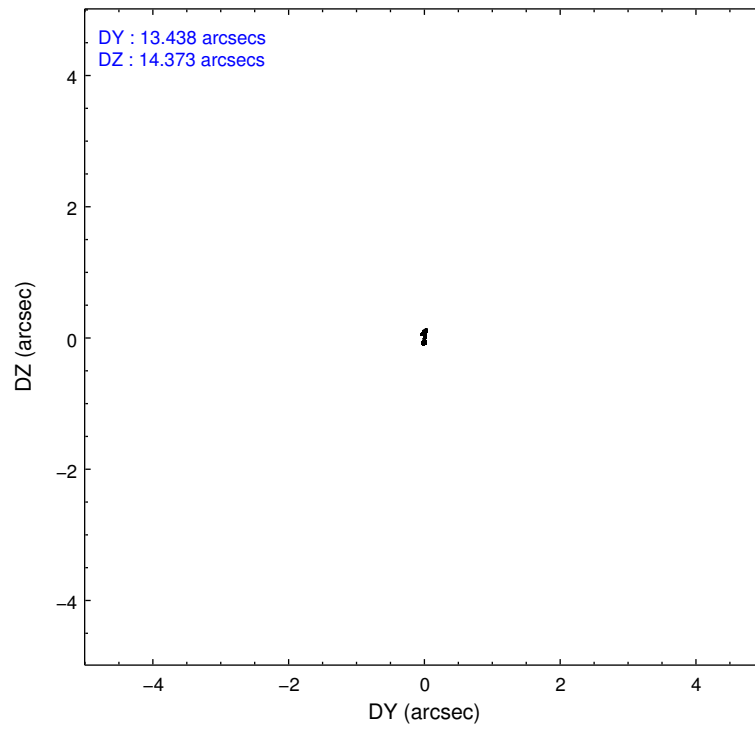
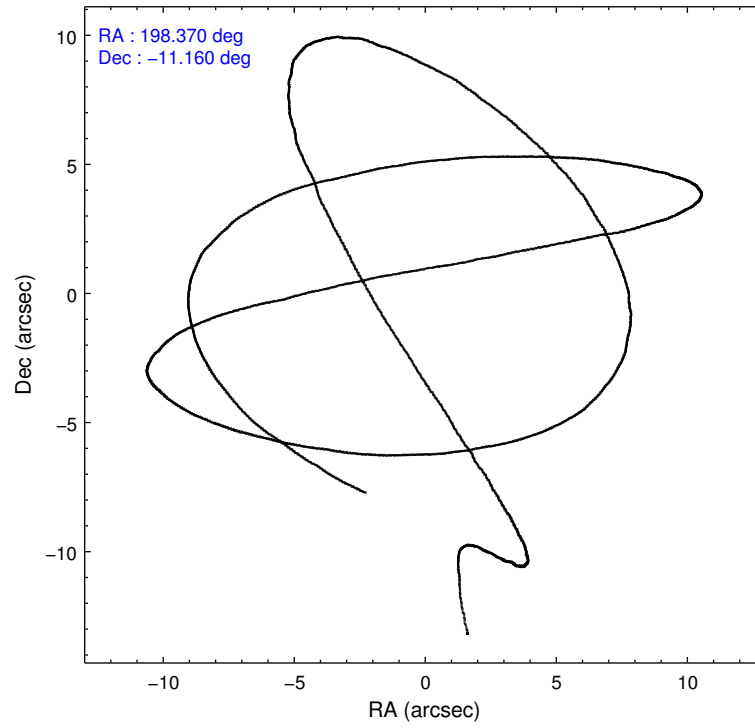
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	26631	25111	27478	26234
rejected events	22205	22280	24979	23596
rejected %	83%	88%	90%	89%

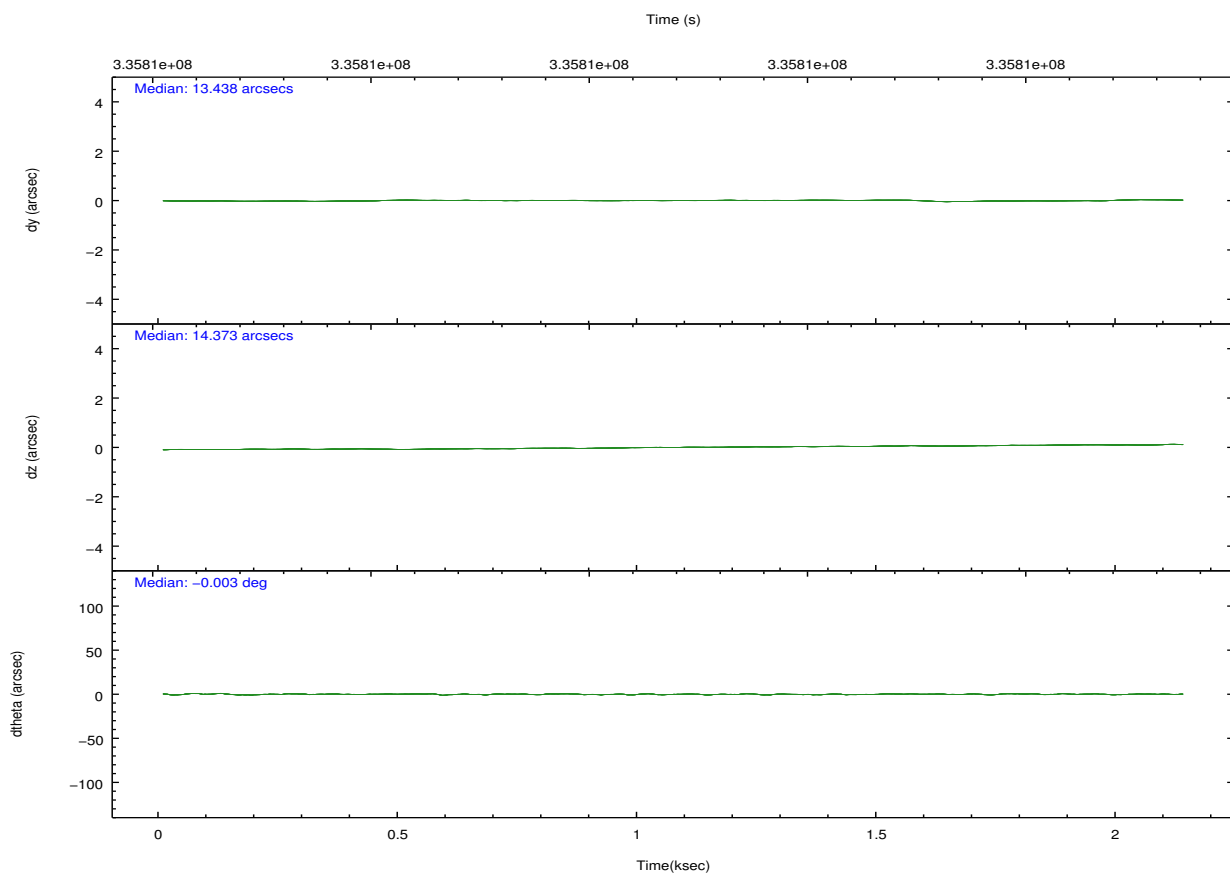
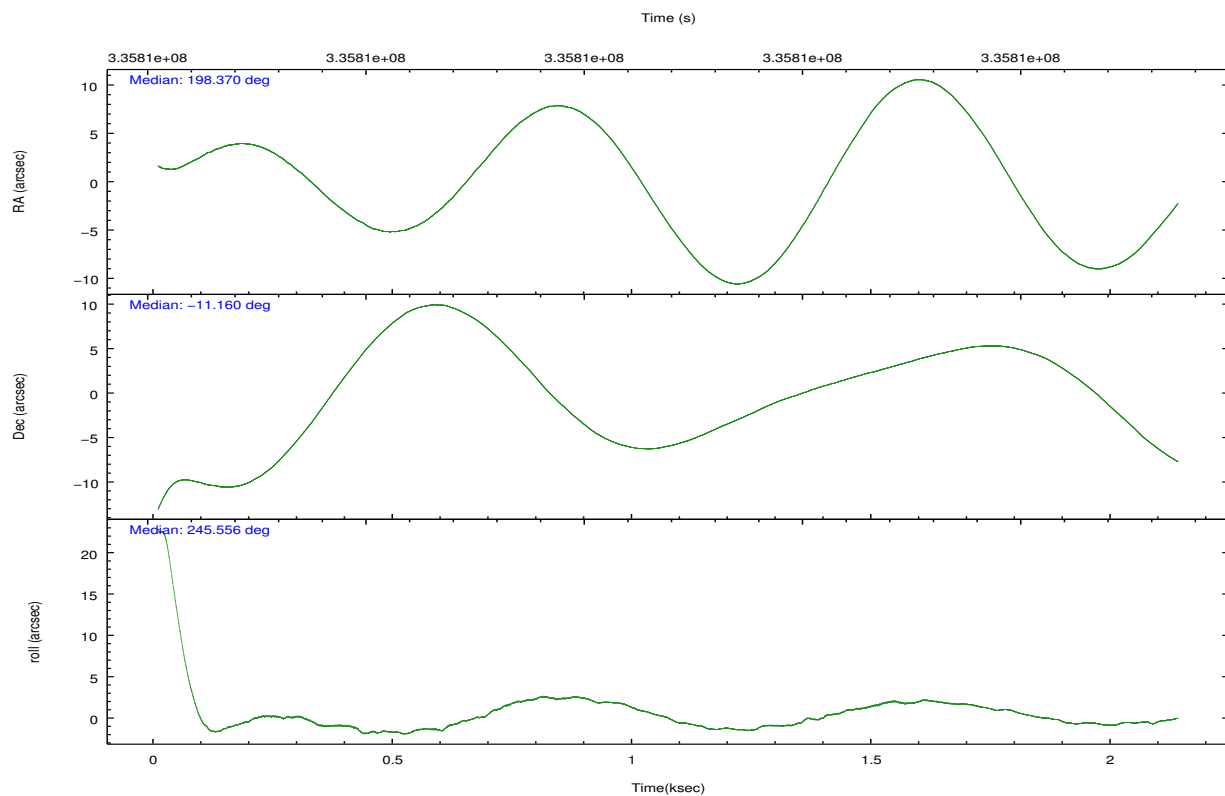
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2991	1396	1399	1472
	11%	5%	5%	5%
grade 1 events	121	18	18	17
	0%	0%	0%	0%
grade 2 events	948	813	667	632
	3%	3%	2%	2%
grade 3 events	359	315	298	295
	1%	1%	1%	1%
grade 4 events	364	337	322	320
	1%	1%	1%	1%
grade 5 events	1170	1240	1065	1201
	4%	4%	3%	4%
grade 6 events	593	662	501	578
	2%	2%	1%	2%
grade 7 events	20085	20330	23208	21719
	75%	80%	84%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	198.366983	198.3697823237353	Subarray requested	NONE	NONE
[deg] Pointing Dec	-11.133162	-11.1606733967993	Alternating exposures requested	N	N
[deg] Pointing Roll	245.356843	245.5661952435506	[s] Primary exposure time	0.000000	3.1
[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)	335809262.184000	335808082.95083			
Observation start date	2008-08-22T16:19:57	2008-08-22T16:01:22			
[s] Observation end time (MET)	335811262.184000	335812149.63853			
Observation end date	2008-08-22T16:53:17	2008-08-22T17:09:09			
Read mode	TIMED	TIMED			

2.3 Aspect



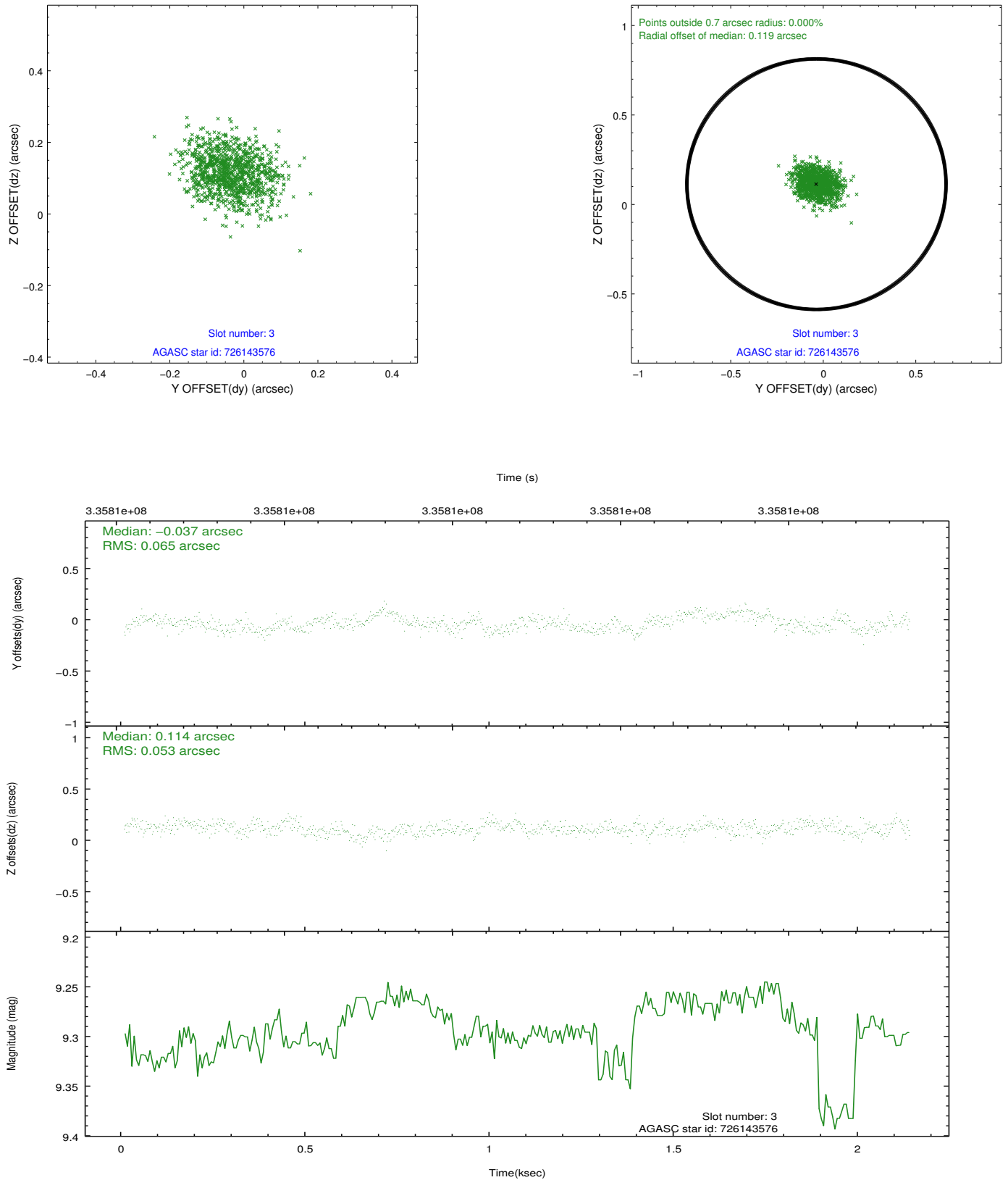


Slot Statistics

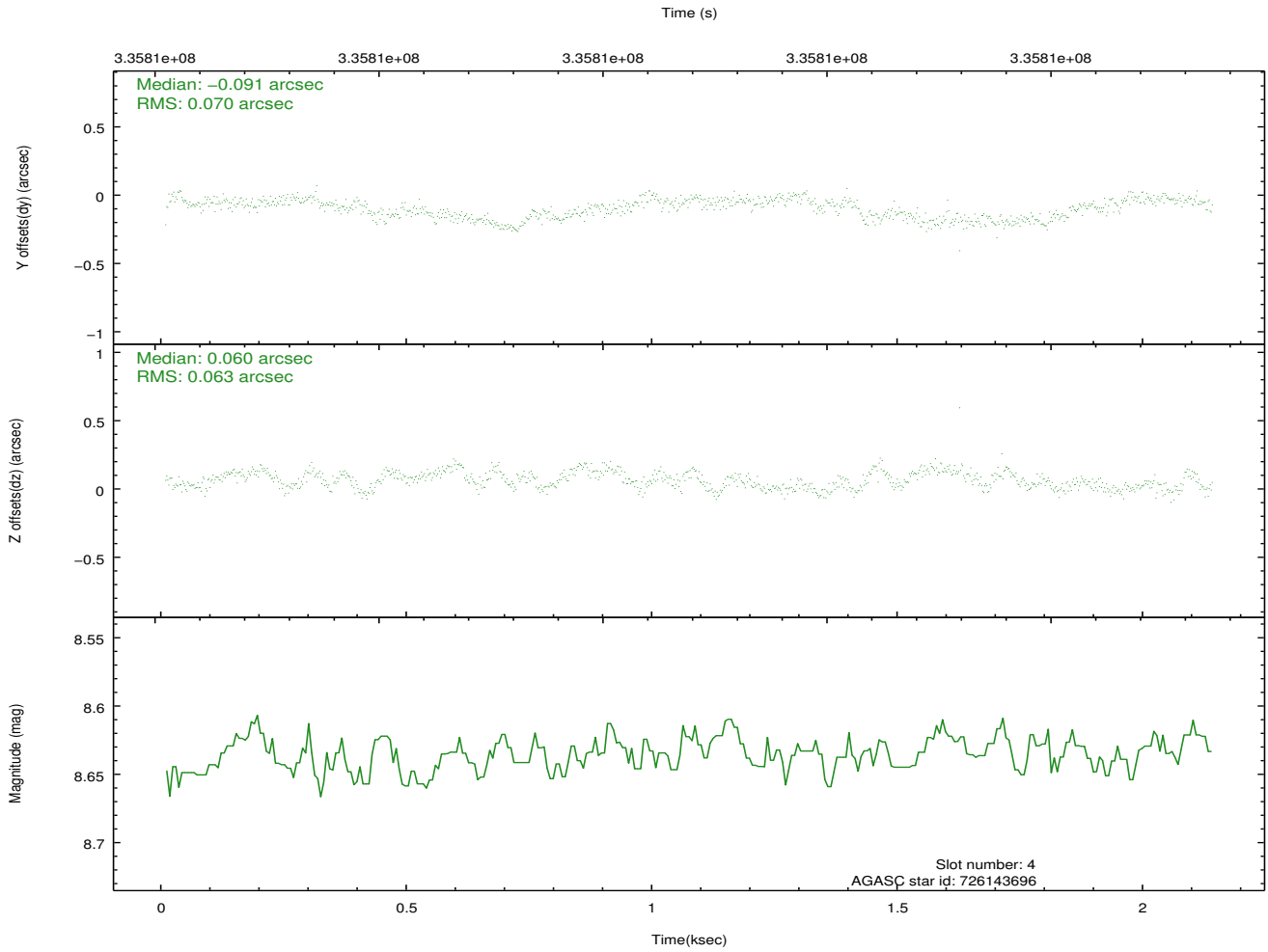
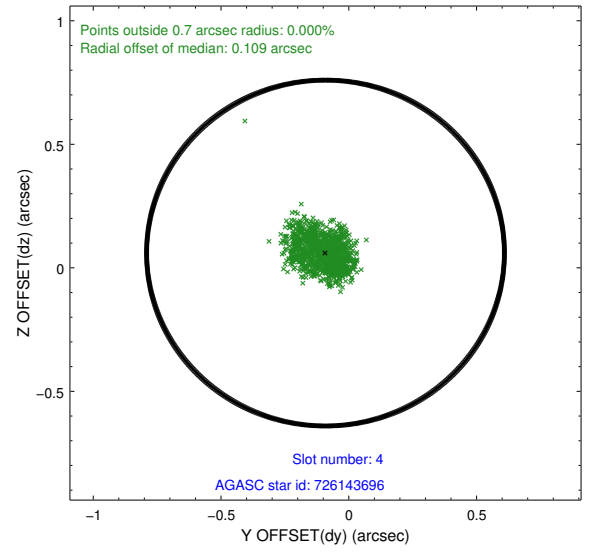
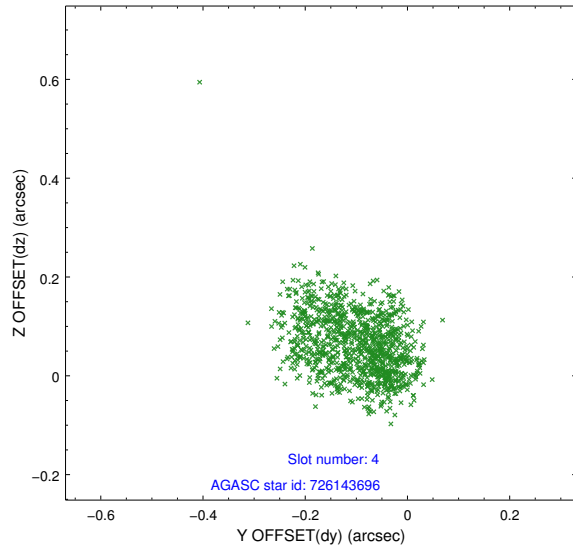
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	520	0.036	0.004	0.006	0.010	0.000000	0.000000	926.12	-837.94
1	FID	ACIS-I-5	7.06	520	-0.222	0.041	0.006	0.010	0.000000	0.000000	-1820.58	1058.01
2	FID	ACIS-I-6	7.07	520	0.094	0.025	0.007	0.011	0.000000	0.000000	388.35	1706.00
3	GUIDE	726143576	9.29	1034	-0.037	0.114	0.090	0.144	198.898097	-11.002376	-1209.04	1510.68
4	GUIDE	726143696	8.64	1041	-0.091	0.060	0.101	0.151	198.984243	-11.240759	-555.70	2143.92
5	GUIDE	726144408	9.27	1039	0.087	-0.104	0.105	0.178	197.822540	-11.105901	714.12	-1786.50
6	GUIDE	726146520	8.23	1041	0.149	-0.194	0.058	0.094	198.172040	-11.581467	1754.43	46.16
7	GUIDE	726143336	7.83	1039	-0.097	0.123	0.064	0.098	198.753661	-11.348470	137.31	1564.27

2.4 Star Slots

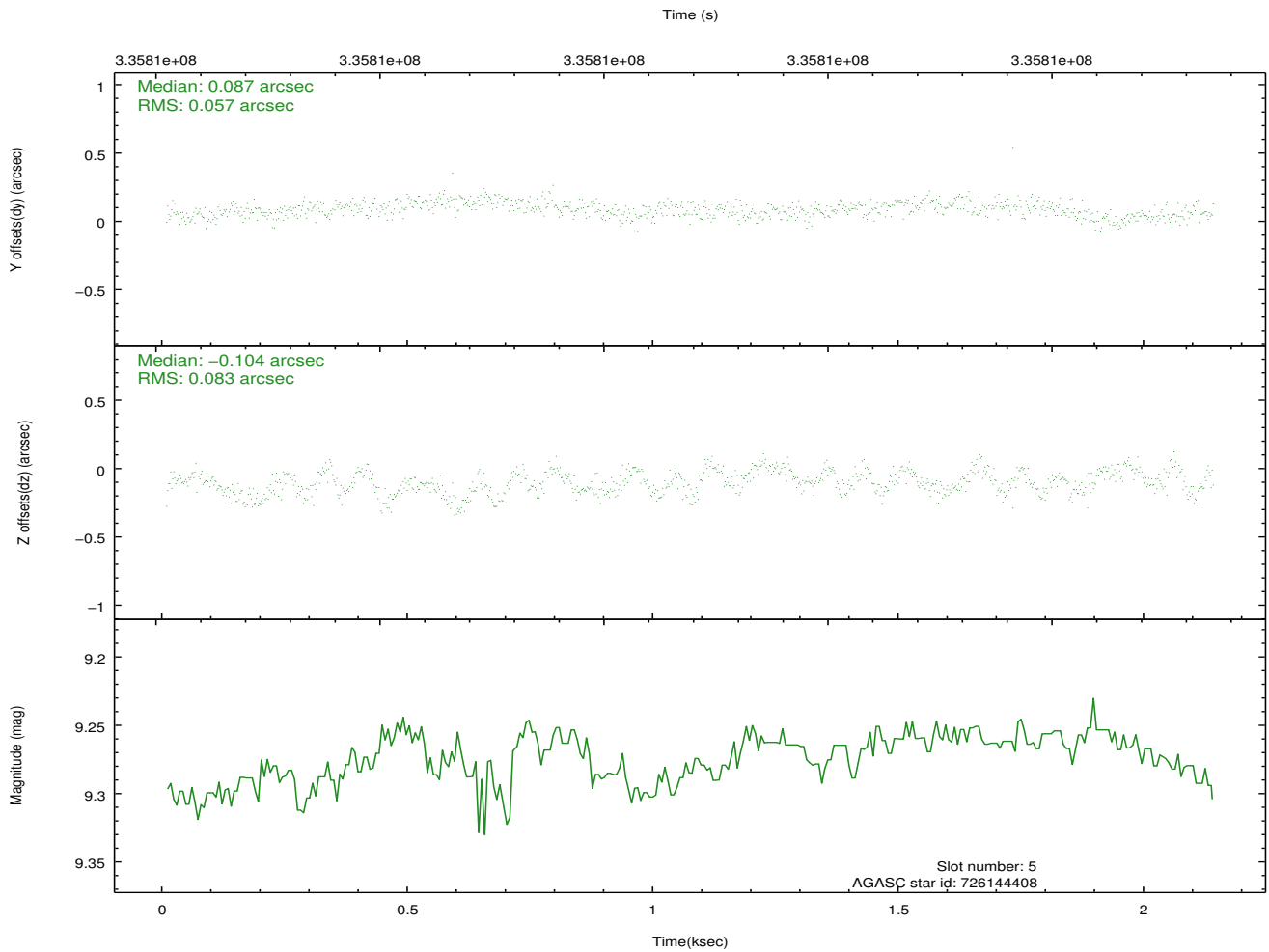
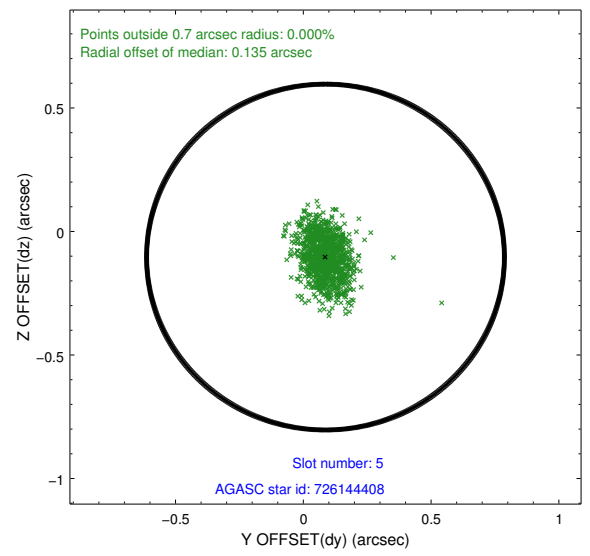
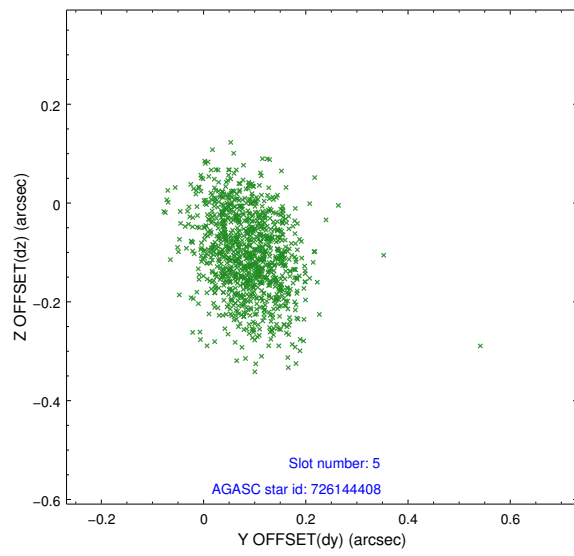
2.4.1 Slot 3



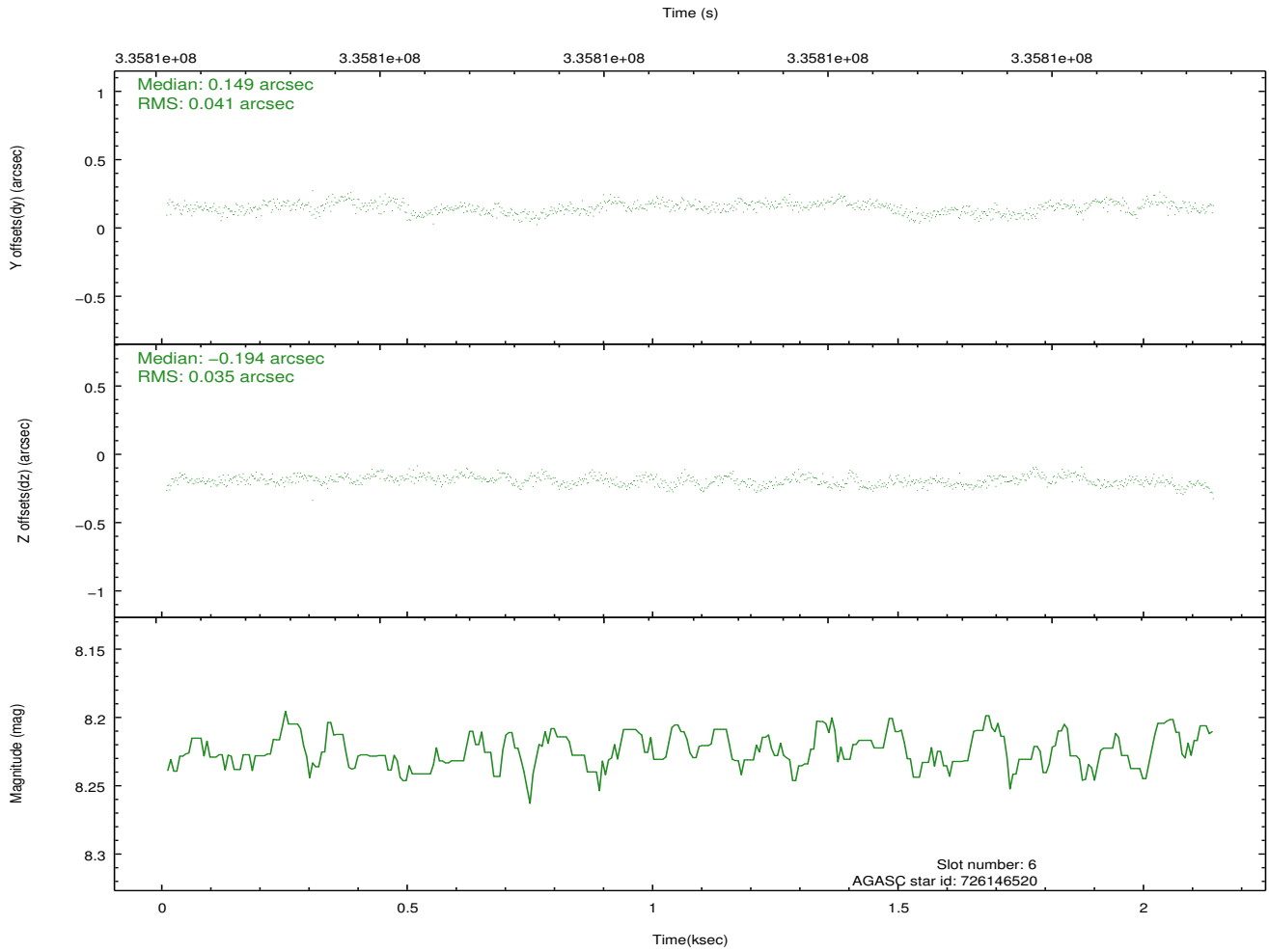
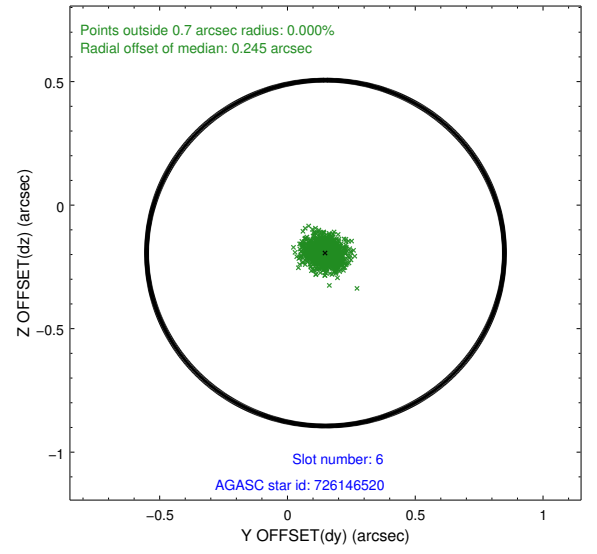
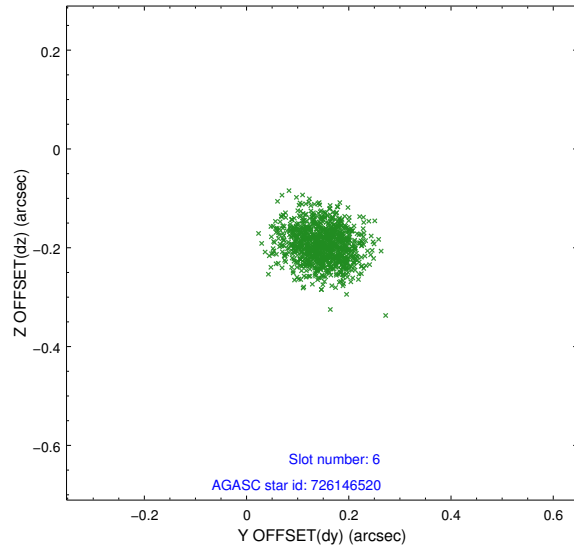
2.4.2 Slot 4



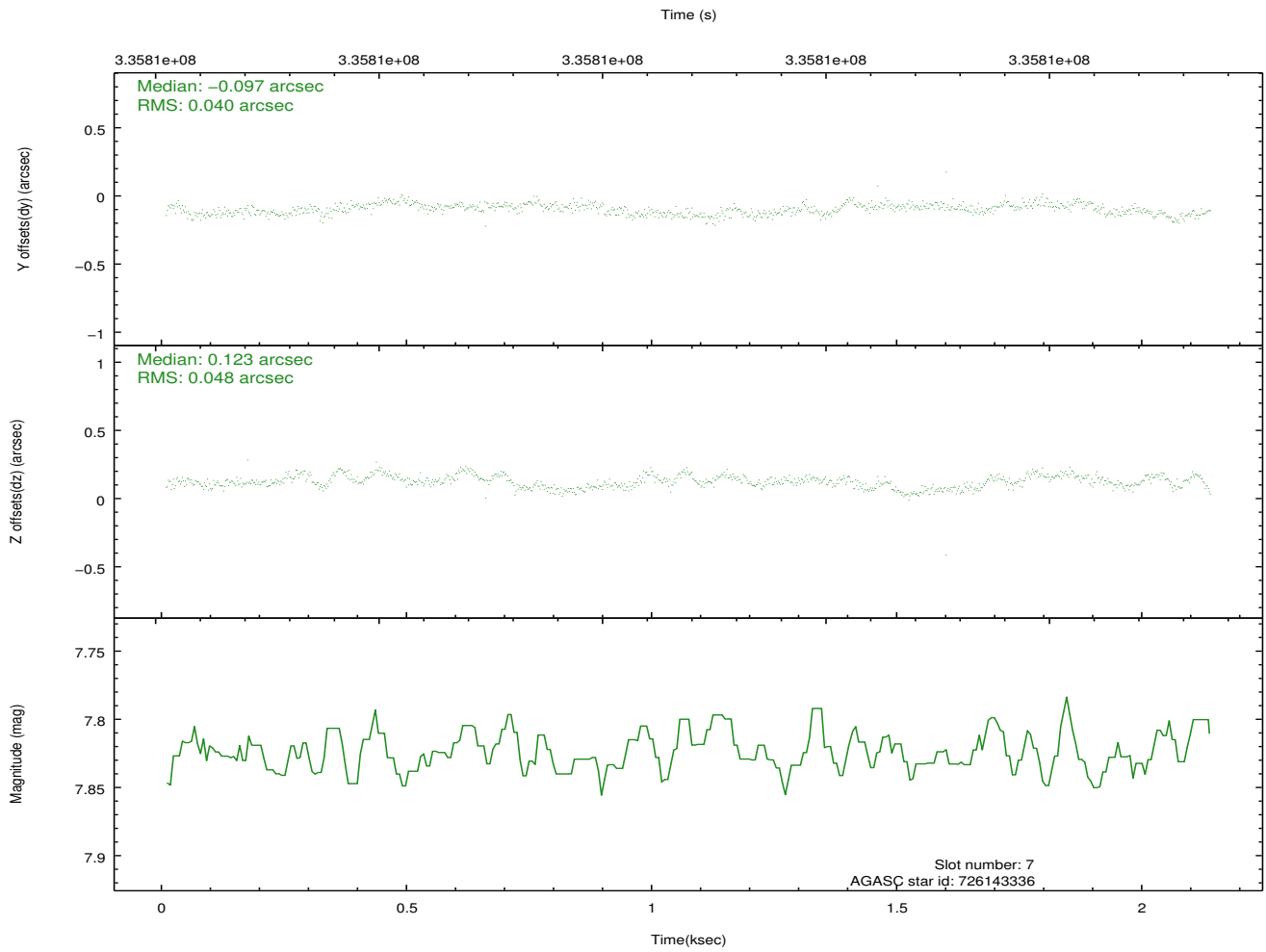
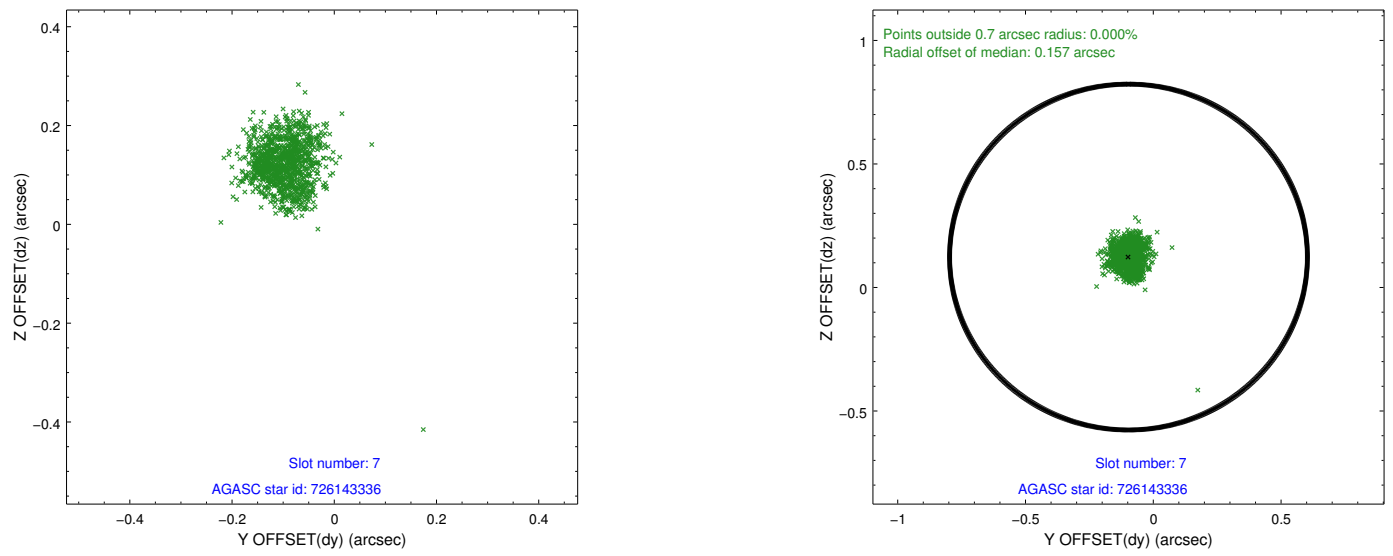
2.4.3 Slot 5



2.4.4 Slot 6

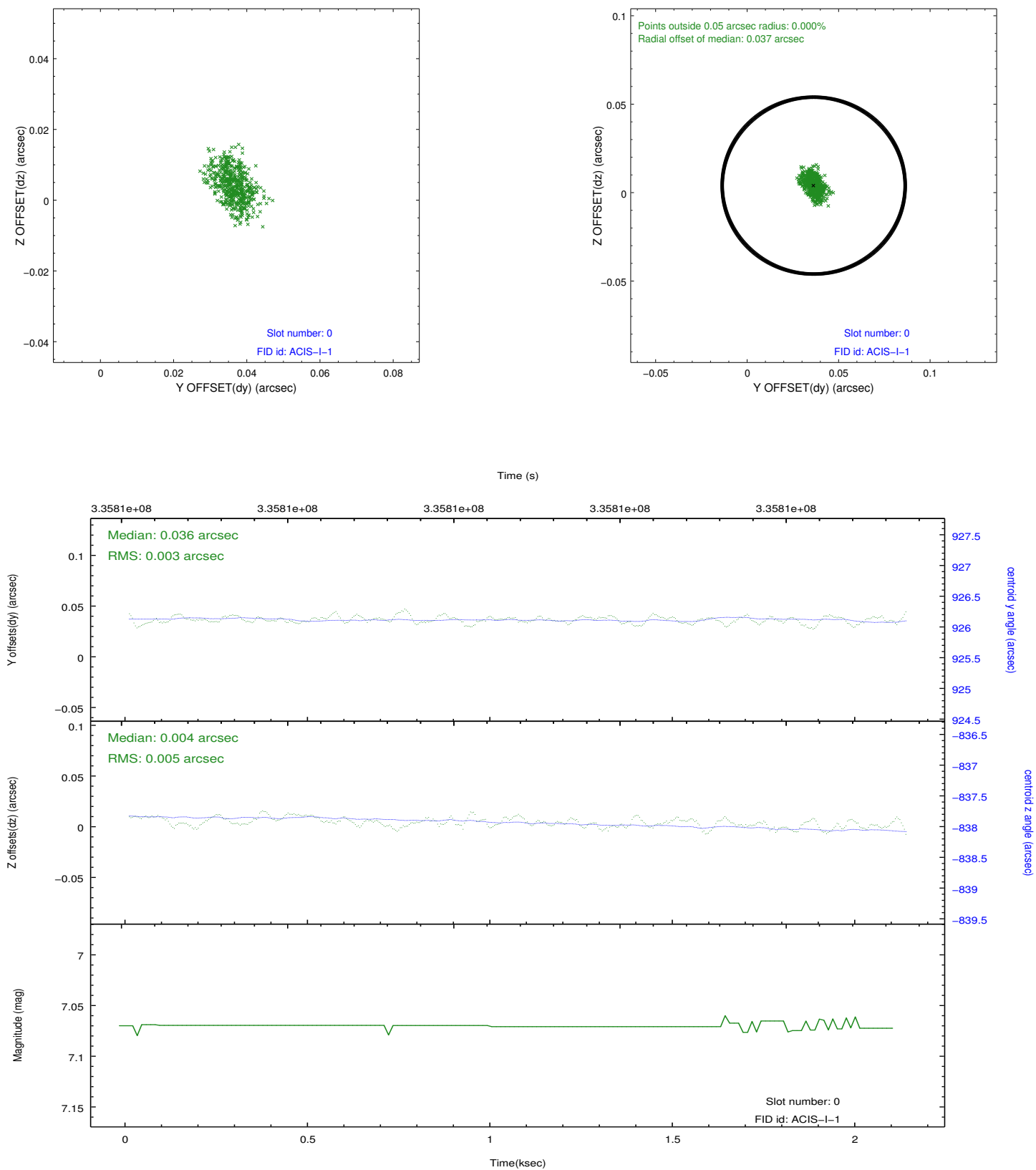


2.4.5 Slot 7

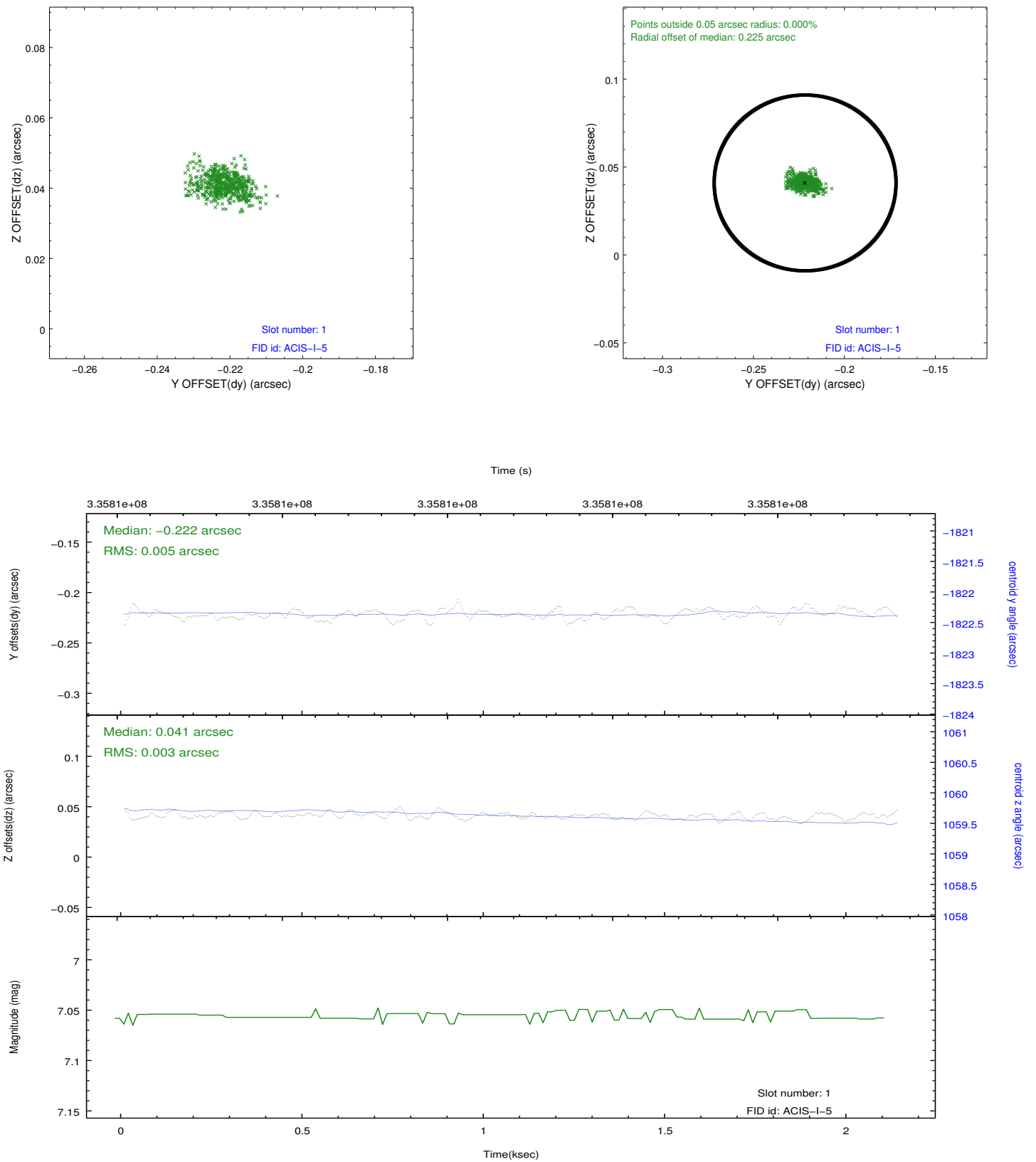


2.5 FID Slots

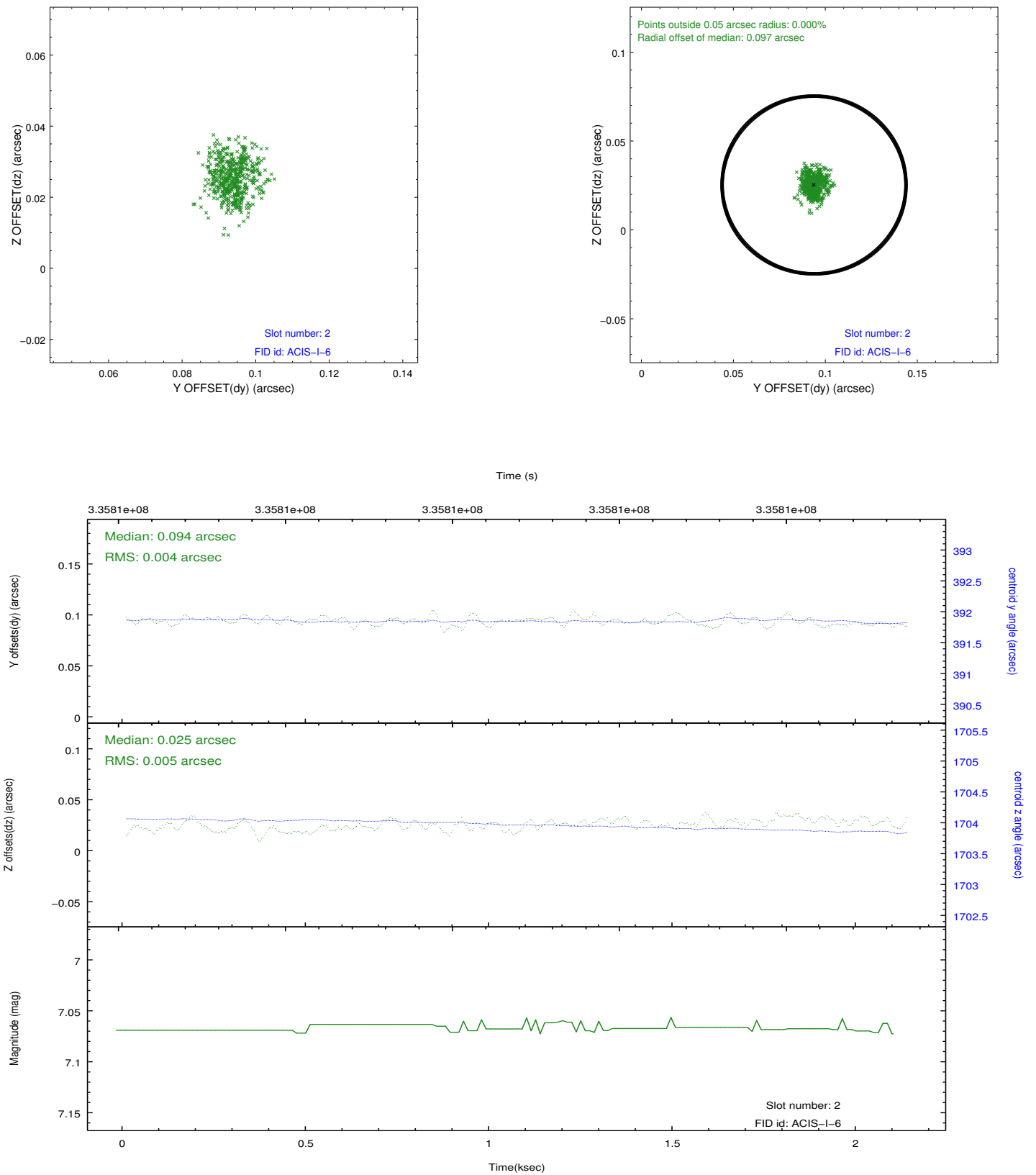
2.5.1 Slot 0



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	2.12660001

A.2 Comments