

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11582 - L2 Version 2
Chandra X-Ray Center

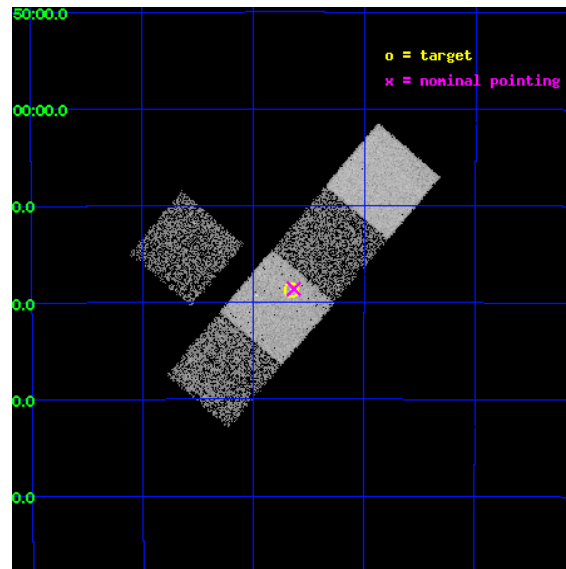
L2 Processing Date : Jun 29 2012

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1 Front

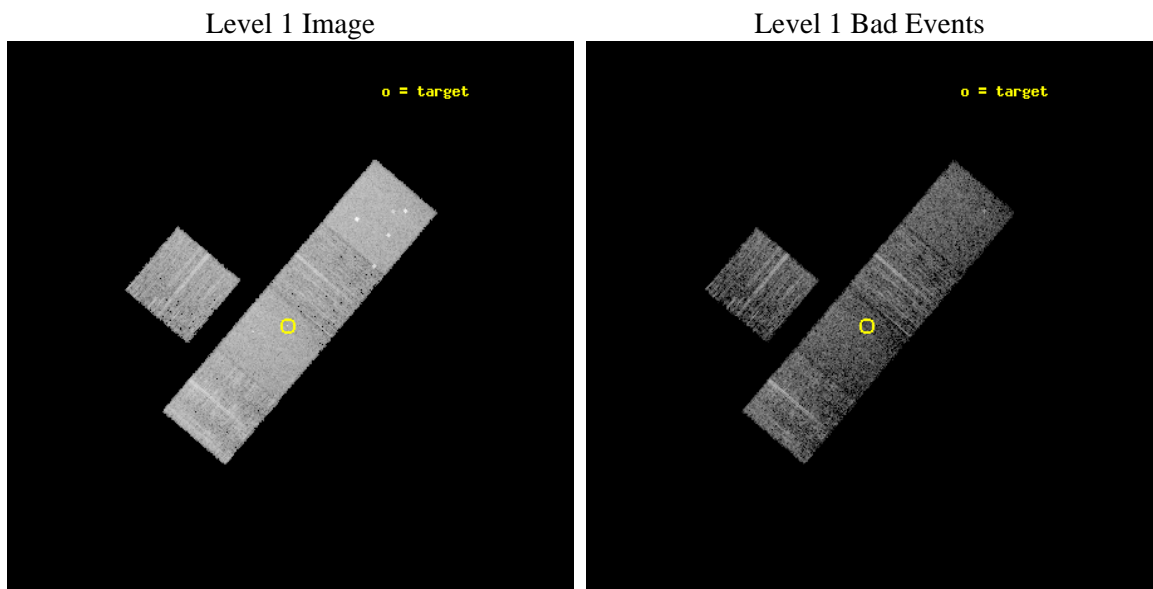
seq_num	702168	Sequence number
obs_id	11582	Observation id
title	X-ray Obscured Broad-line AGN	Proposal title
observer	Dr. Jennifer Donley	Principal investigator
object	RXJ033340.22-391833.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.414583	Observer's specified target RA [deg]
dec_targ	-39.3115	Observer's specified target Dec [deg]
ra_nom	53.408565000313	Nominal RA [deg]
dec_nom	-39.310118509728	Nominal Dec [deg]
roll_nom	130.39953498252	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5036.0693127513	Sum of GTIs [s]
livetime	4970.2693596799	Livetime [s]
ontime3	5032.8052025437	Sum of GTIs [s]
ontime5	5036.028272748	Sum of GTIs [s]
ontime6	5035.9872327447	Sum of GTIs [s]
ontime7	5036.0693127513	Sum of GTIs [s]
ontime8	5029.6233515143	Sum of GTIs [s]
l2events	59254	Number of level 2 events



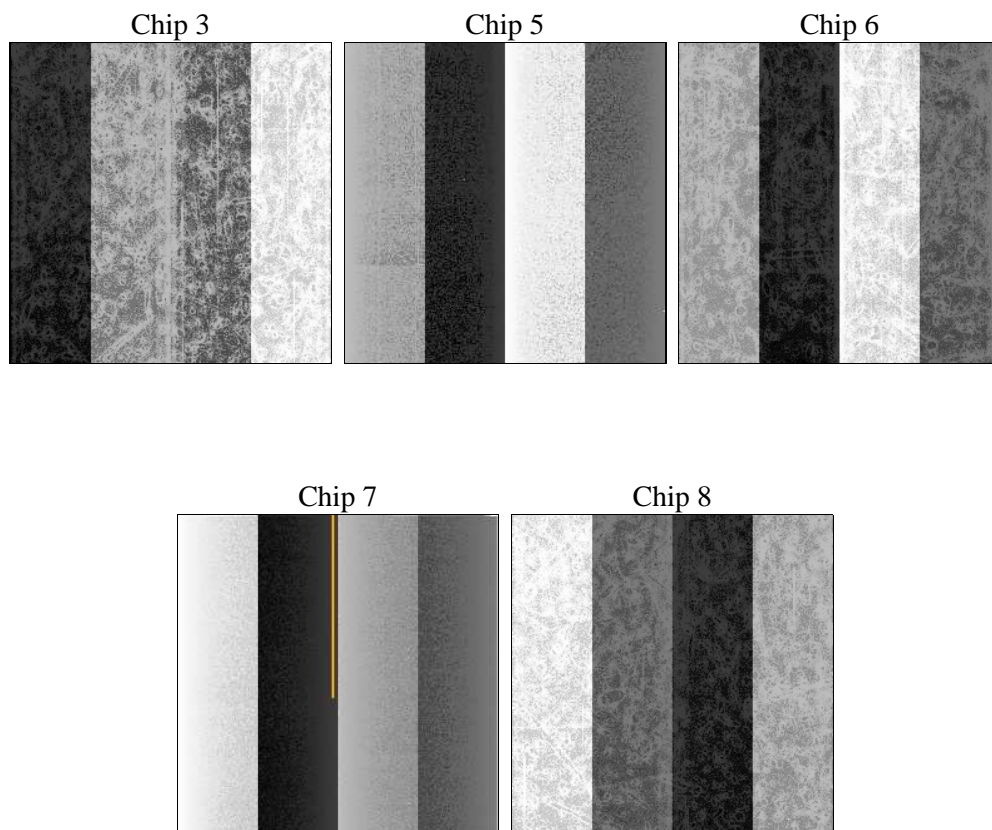
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.092000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5036.0693127513	Sum of GTIs [s]
caldsver	4.5.0	 	ontime3	5032.8052025437	Sum of GTIs [s]
date	2012-06-30T00:24:36	Date and time of file creation	ontime5	5036.028272748	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5035.9872327447	Sum of GTIs [s]
			ontime7	5036.0693127513	Sum of GTIs [s]
			ontime8	5029.6233515143	Sum of GTIs [s]
			l1events	231075	Number of level 1 events

2.1.4 Events

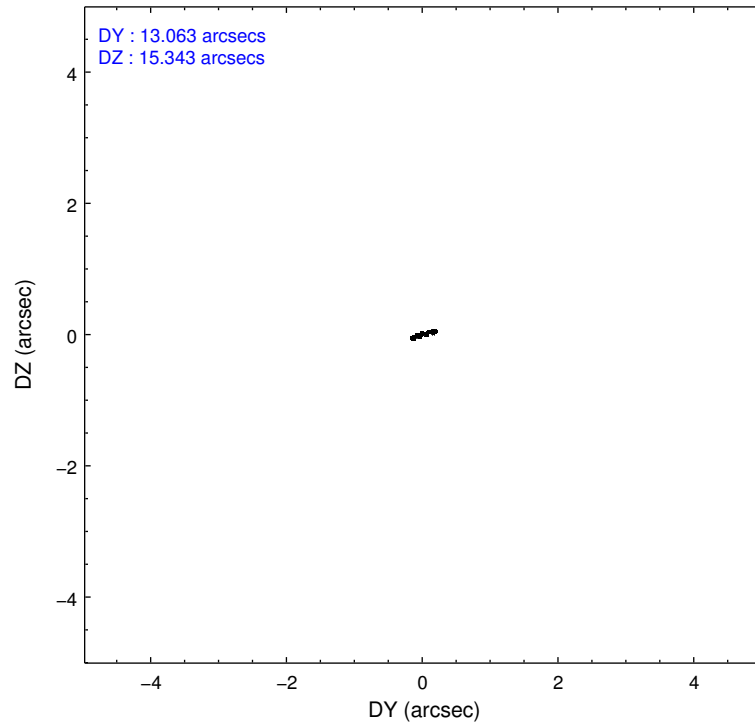
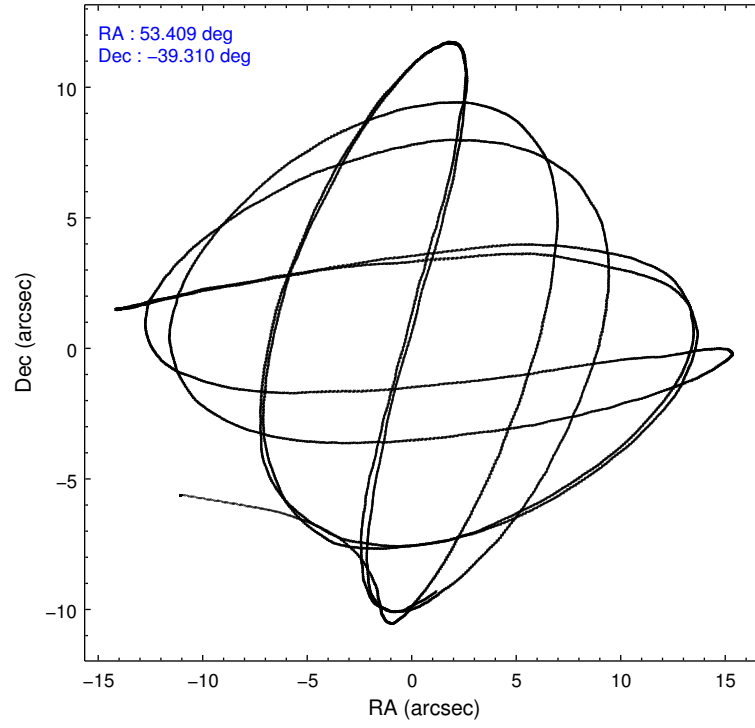
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36437	59658	38237	46988	49755
rejected events	32607	29436	33856	25775	36585
rejected %	89%	49%	88%	54%	73%

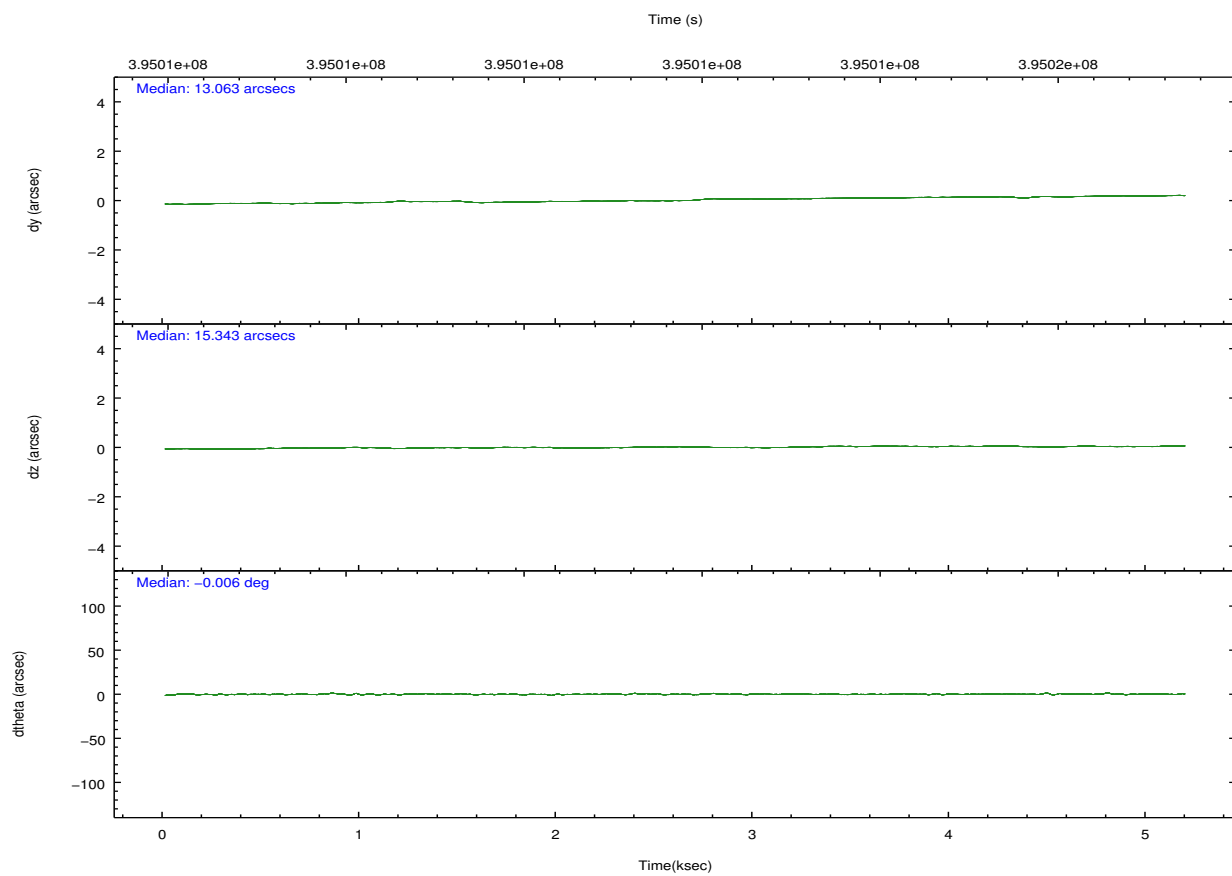
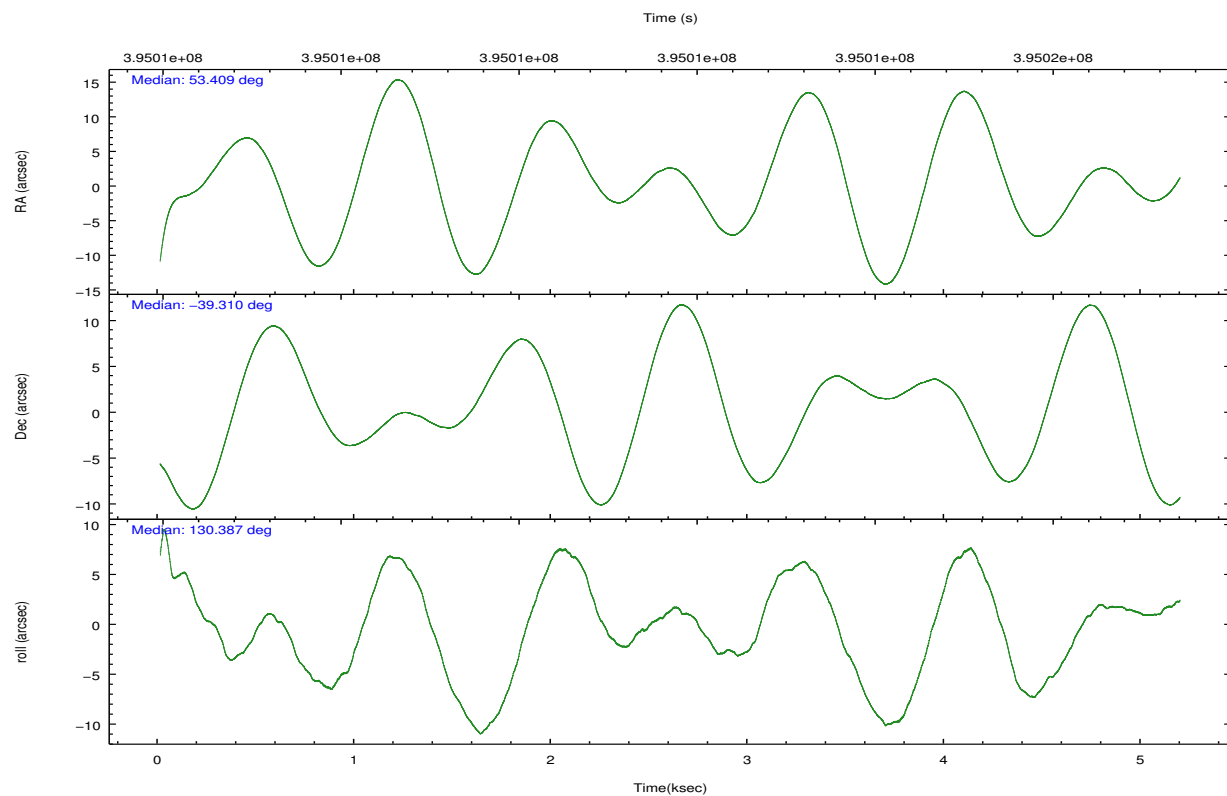
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1355	4495	1584	2056	3815
	3%	7%	4%	4%	7%
grade 1 events	23	226	20	53	37
	0%	0%	0%	0%	0%
grade 2 events	869	8650	962	4371	3347
	2%	14%	2%	9%	6%
grade 3 events	398	1127	462	1903	1233
	1%	1%	1%	4%	2%
grade 4 events	421	1057	428	1803	1101
	1%	1%	1%	3%	2%
grade 5 events	1767	4489	1753	4853	2472
	4%	7%	4%	10%	4%
grade 6 events	791	14935	951	11114	3693
	2%	25%	2%	23%	7%
grade 7 events	30813	24679	32077	20835	34057
	84%	41%	83%	44%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	53.442066	53.40856500031319	CCD I2 on	N	N
[deg] Pointing Dec	-39.318825	-39.31011850972762	CCD I3 on	O1	Y
[deg] Pointing Roll	130.264115	130.3995349825152	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	395010443.184000	395009482.41581	CCD S5 on	N	N
Observation start date	2010-07-08T21:06:17	2010-07-08T20:51:22	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	395015443.184000	395015672.90362	On-chip summing requested	N	N
Observation end date	2010-07-08T22:29:37	2010-07-08T22:34:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



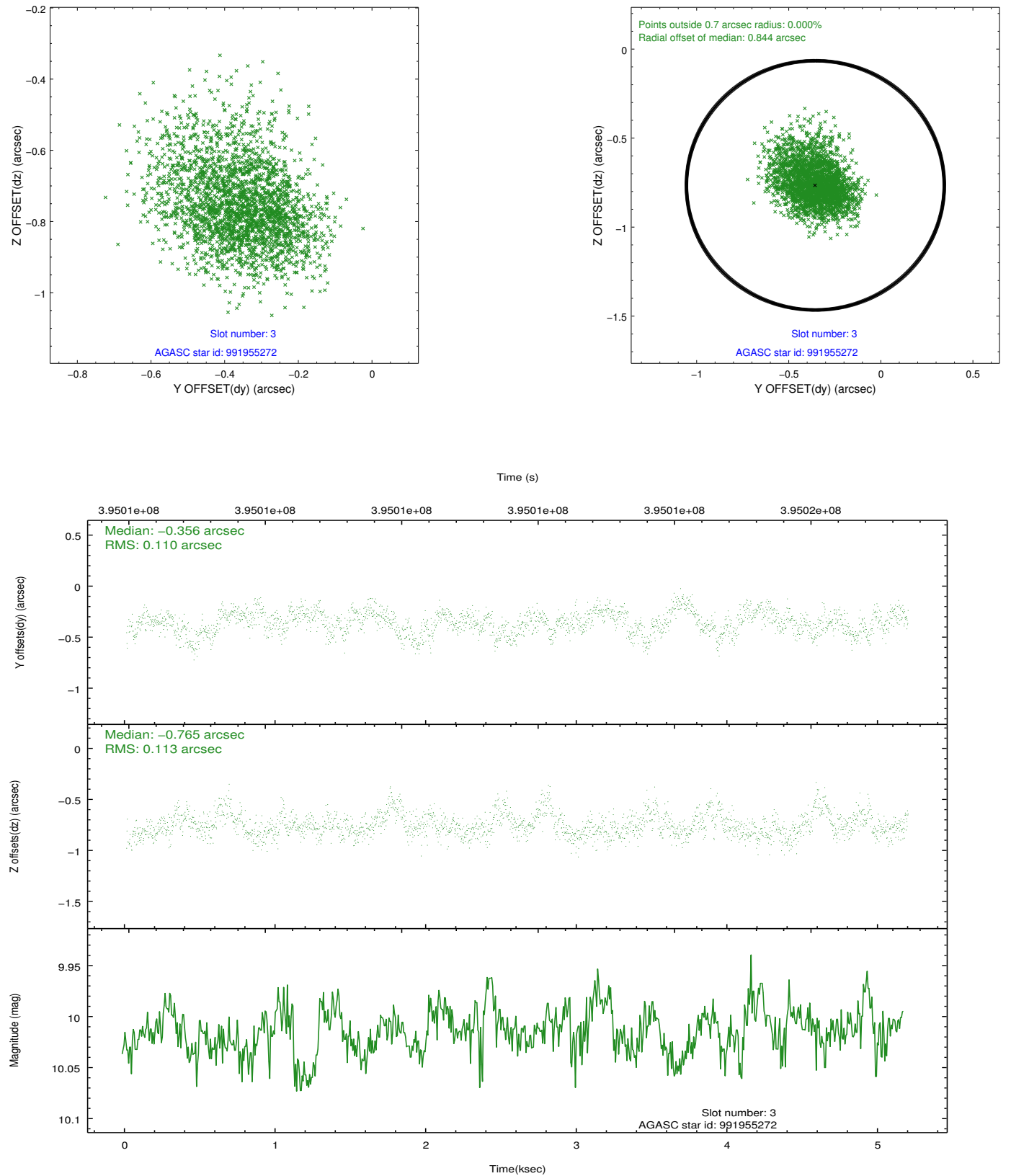


Slot Statistics

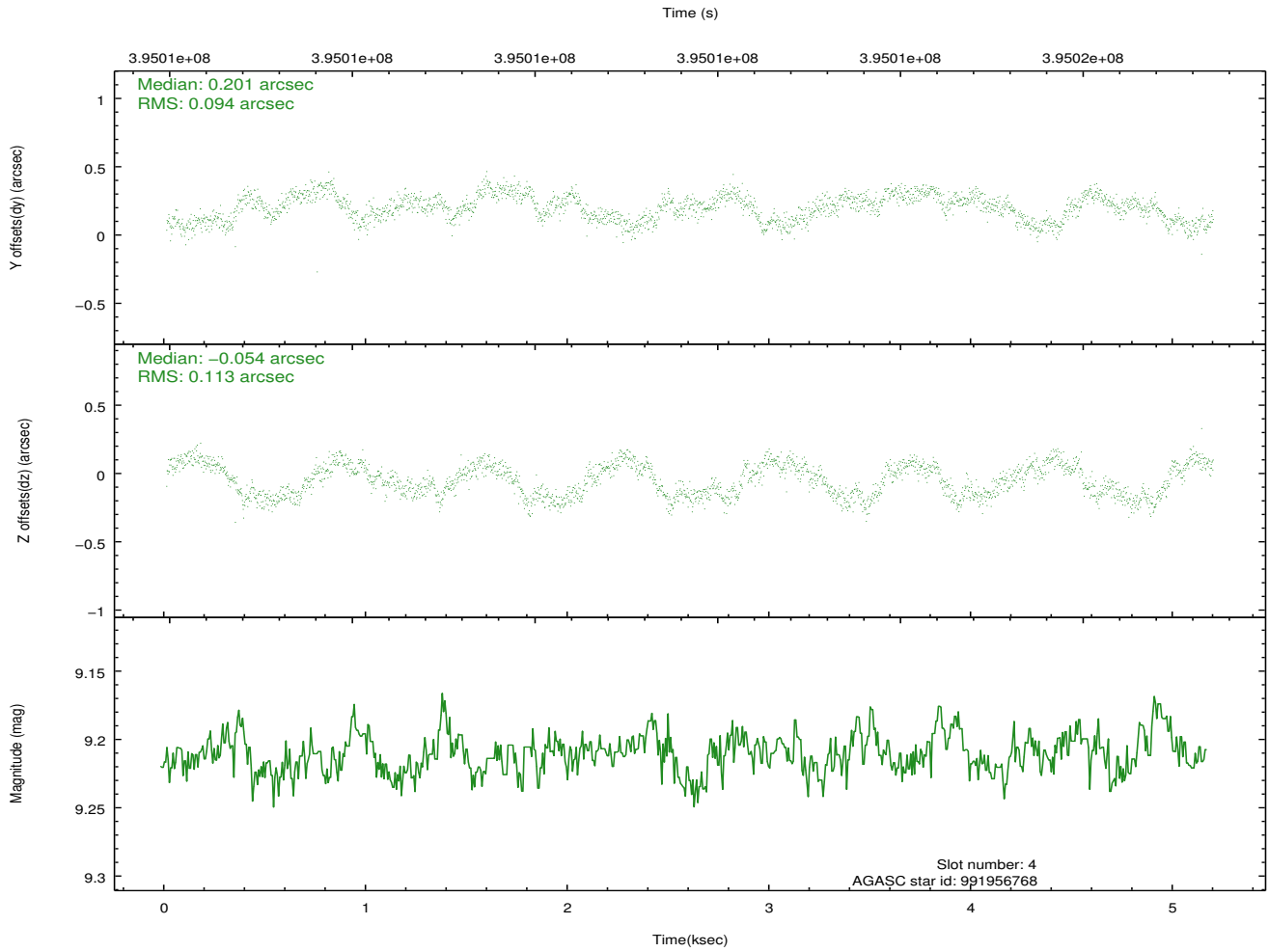
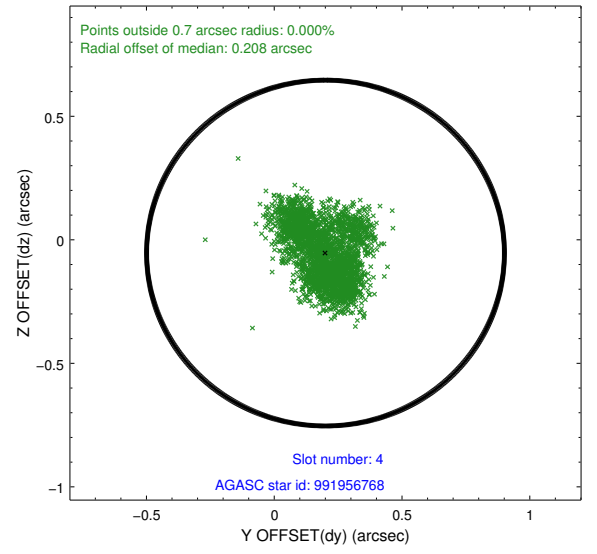
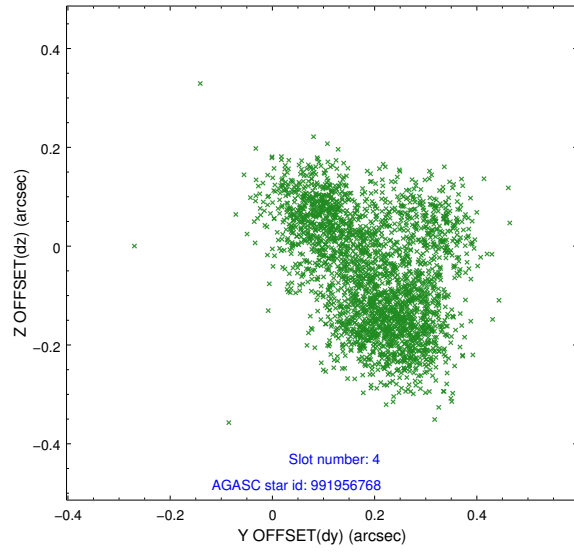
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	1266	0.050	-0.048	0.007	0.013	0.000000	0.000000	930.09	-1732.36
1	FID	ACIS-S-4	6.98	1266	0.136	0.014	0.009	0.014	0.000000	0.000000	2148.21	170.67
2	FID	ACIS-S-5	7.01	1266	-0.212	0.047	0.010	0.016	0.000000	0.000000	-1817.57	165.58
3	GUIDE	991955272	10.01	2519	-0.356	-0.765	0.163	0.278	52.708569	-39.552867	666.22	2102.56
4	GUIDE	991956768	9.21	2529	0.201	-0.054	0.163	0.235	53.106366	-39.484489	147.05	1098.76
5	GUIDE	991957720	10.30	2530	0.153	0.120	0.224	0.359	52.638416	-38.996925	2330.30	973.98
6	GUIDE	992087160	9.98	2528	-0.070	0.352	0.150	0.238	53.826934	-38.680367	1054.47	-2309.46
7	GUIDE	992090056	9.50	2522	0.091	0.335	0.109	0.169	54.176375	-39.383675	-1503.80	-1404.16

2.4 Star Slots

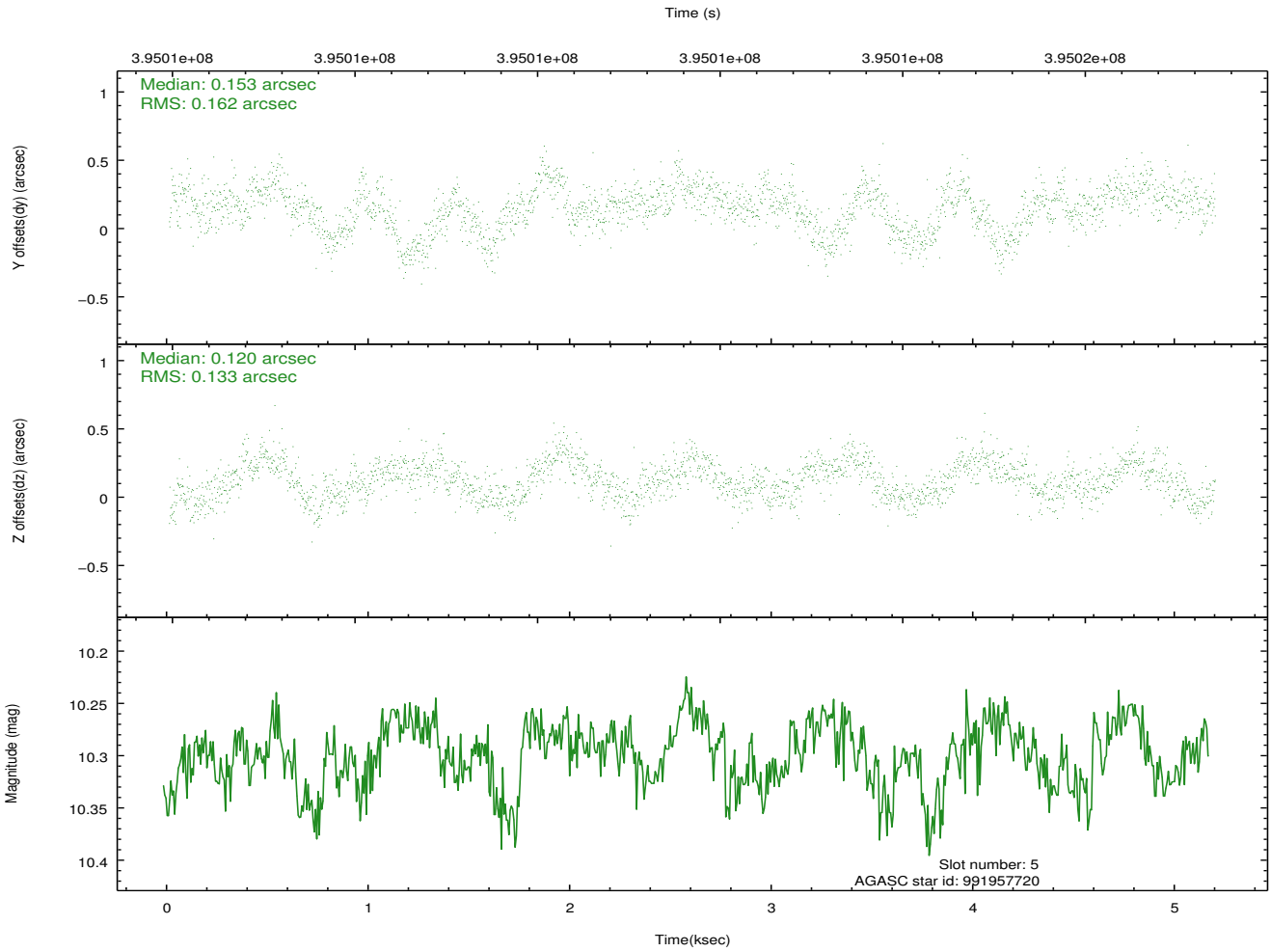
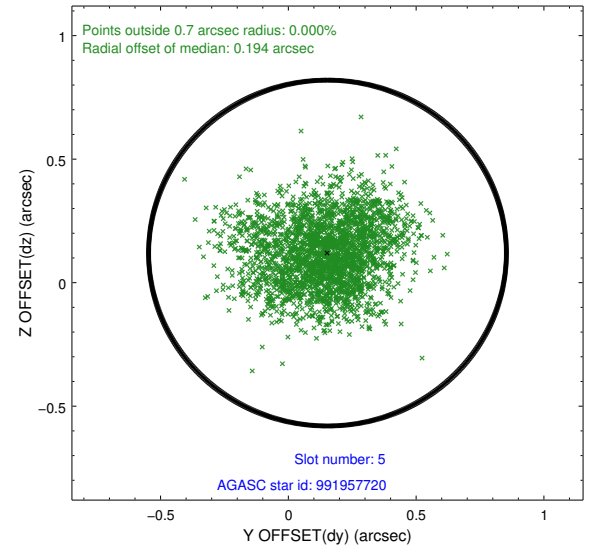
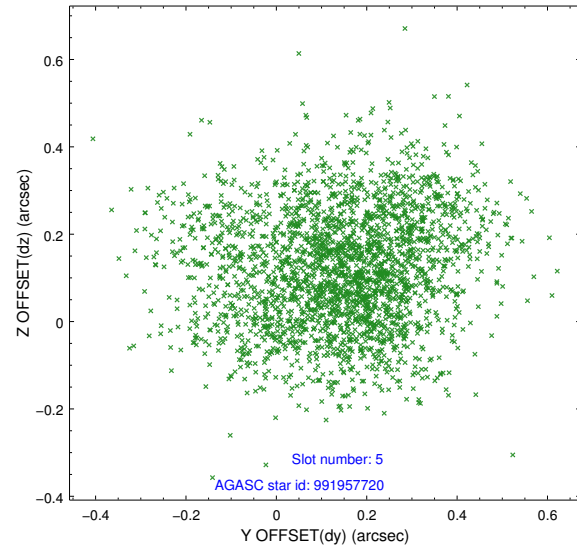
2.4.1 Slot 3



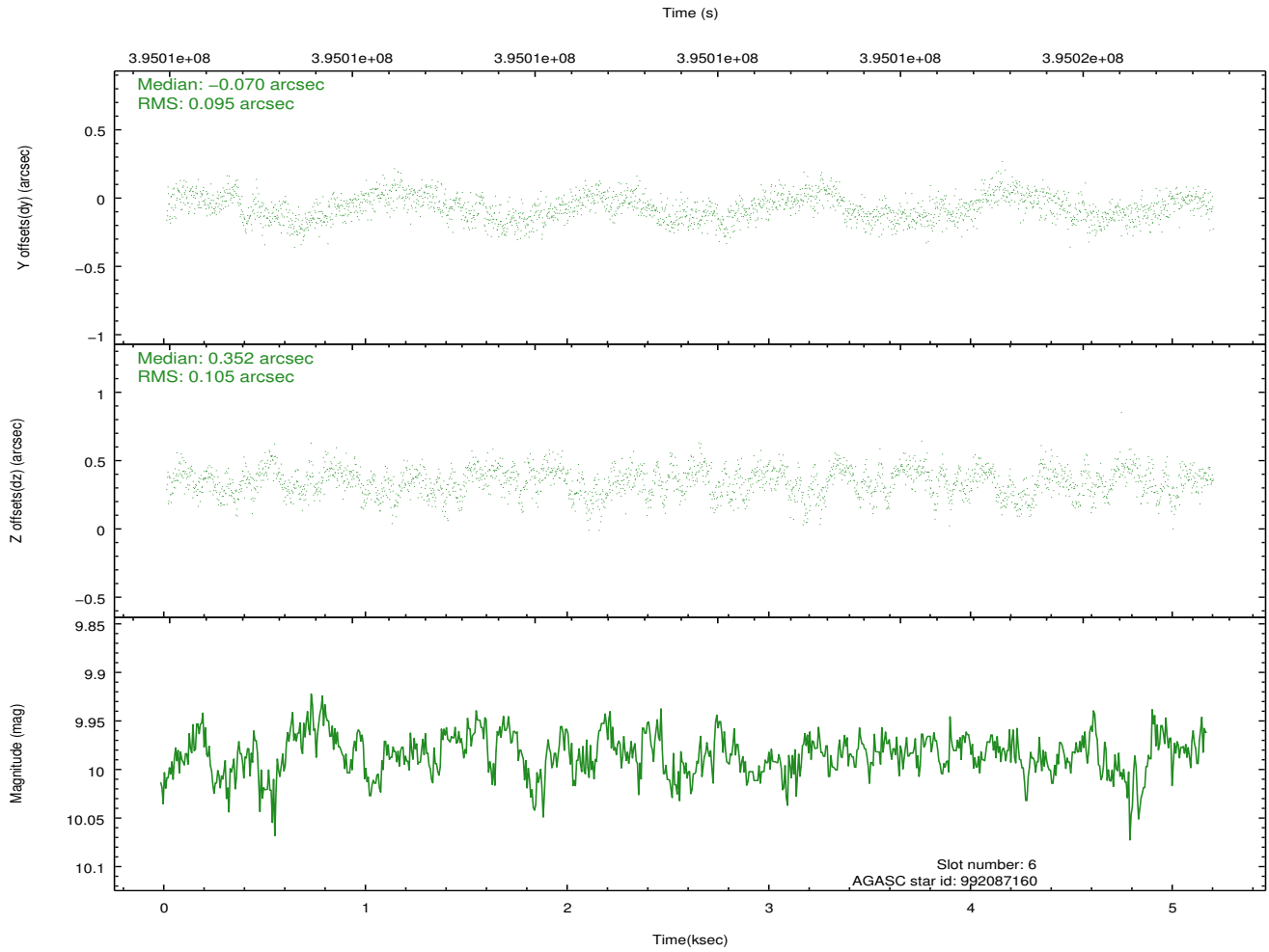
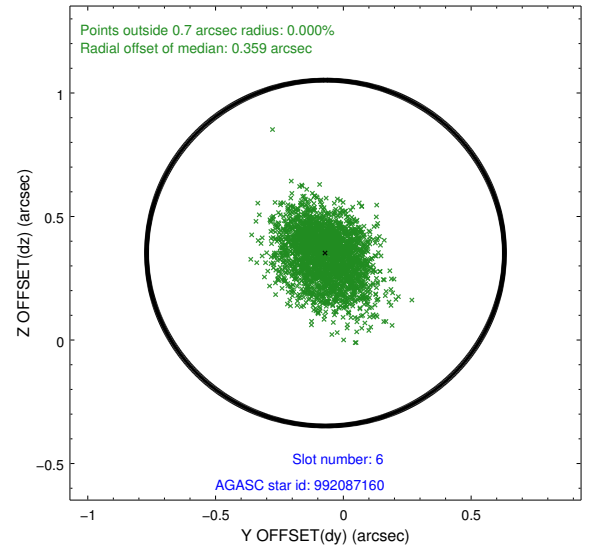
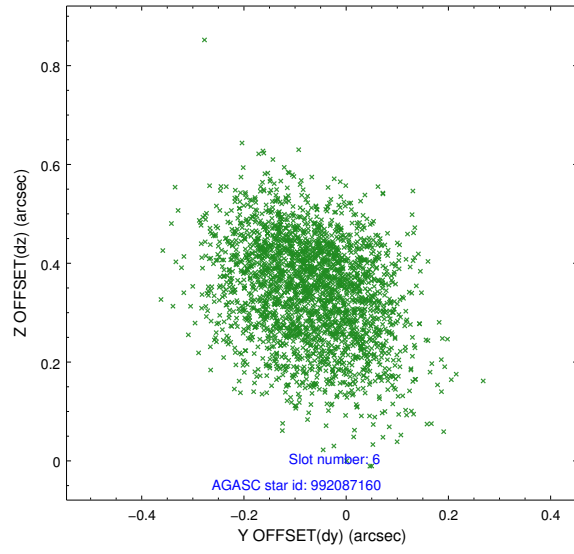
2.4.2 Slot 4



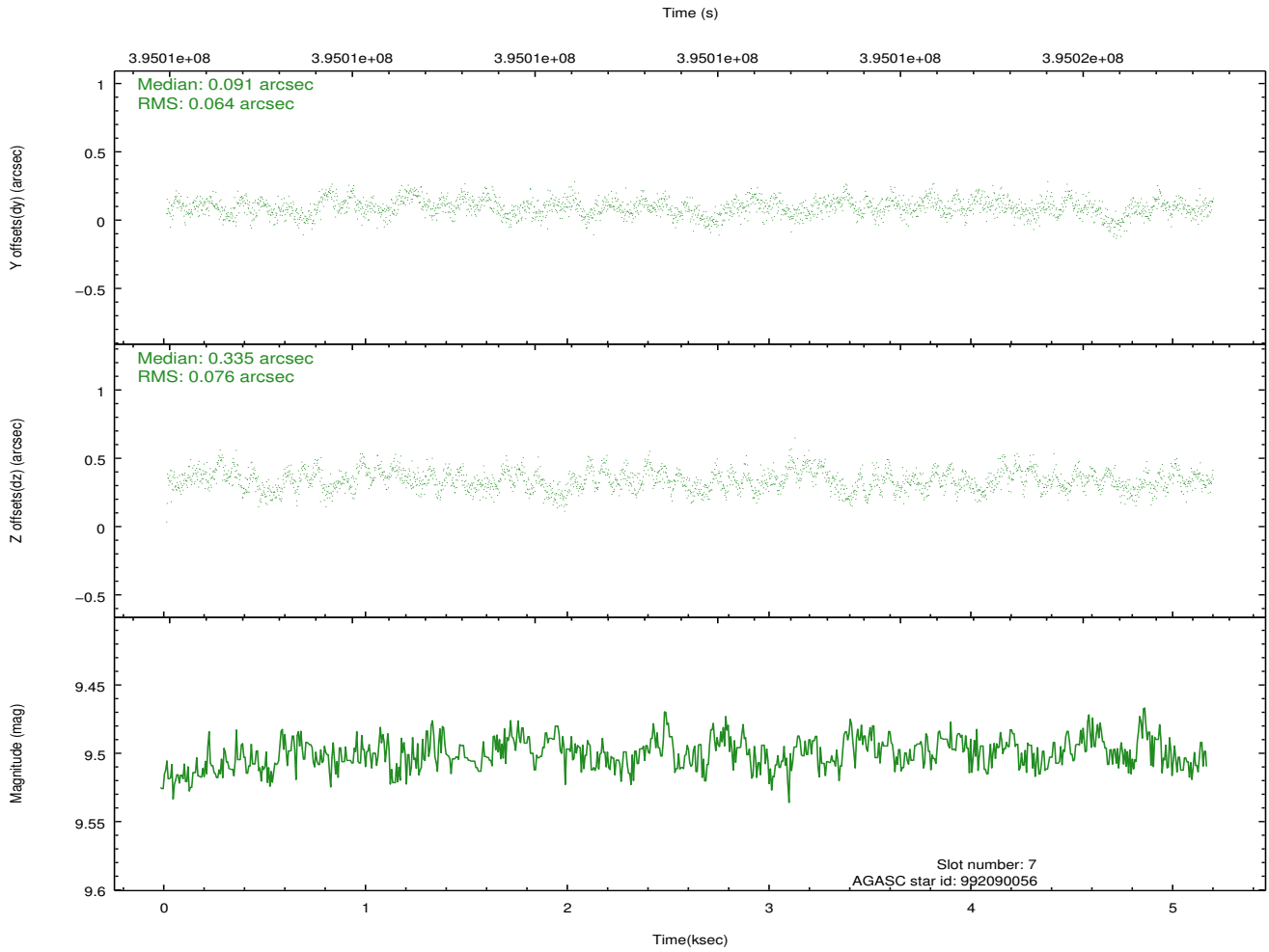
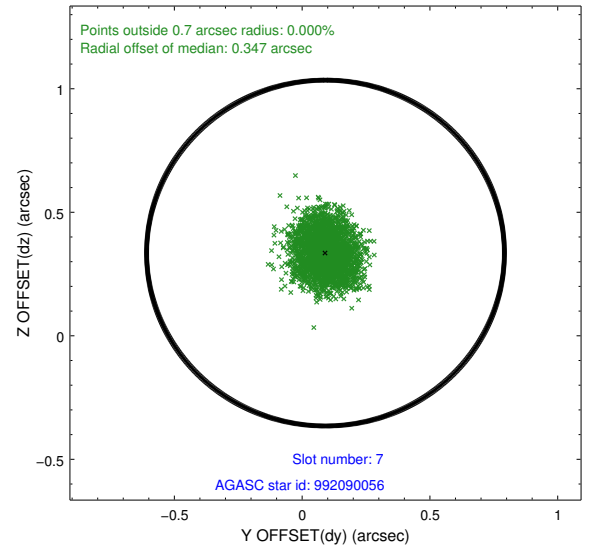
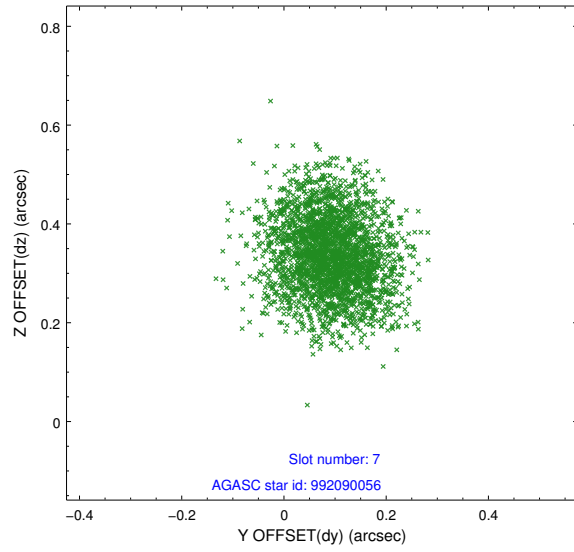
2.4.3 Slot 5



2.4.4 Slot 6

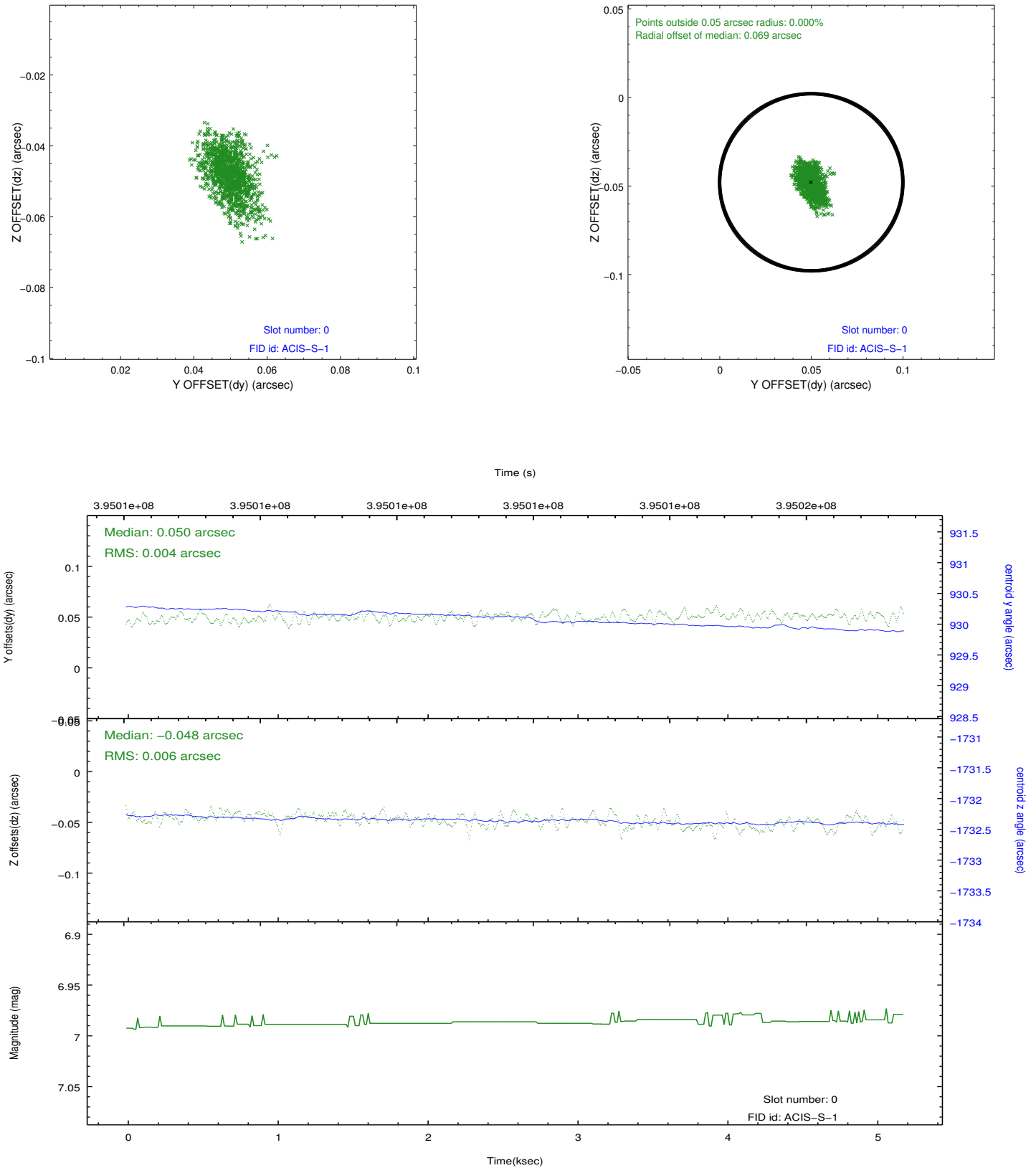


2.4.5 Slot 7

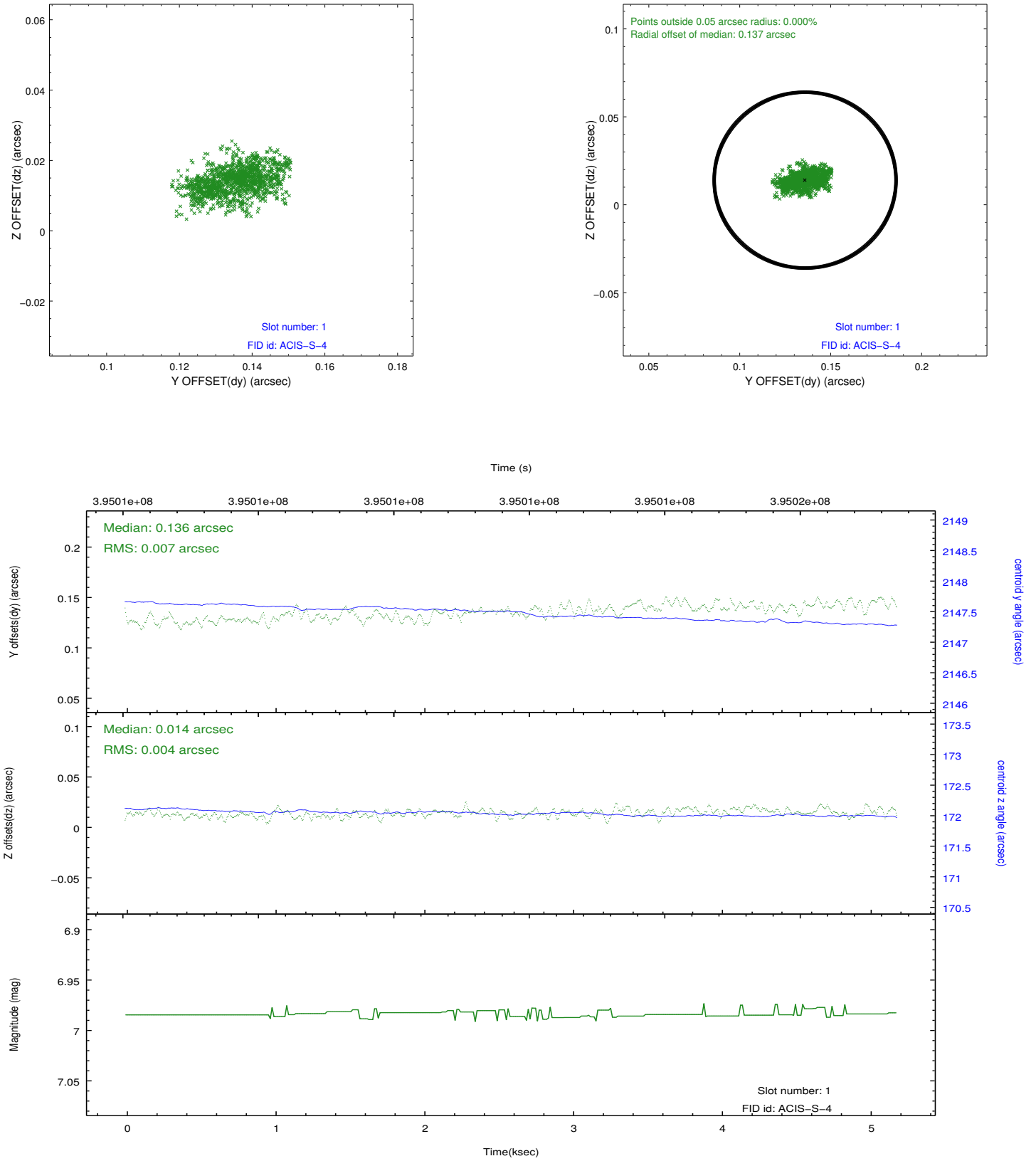


2.5 FID Slots

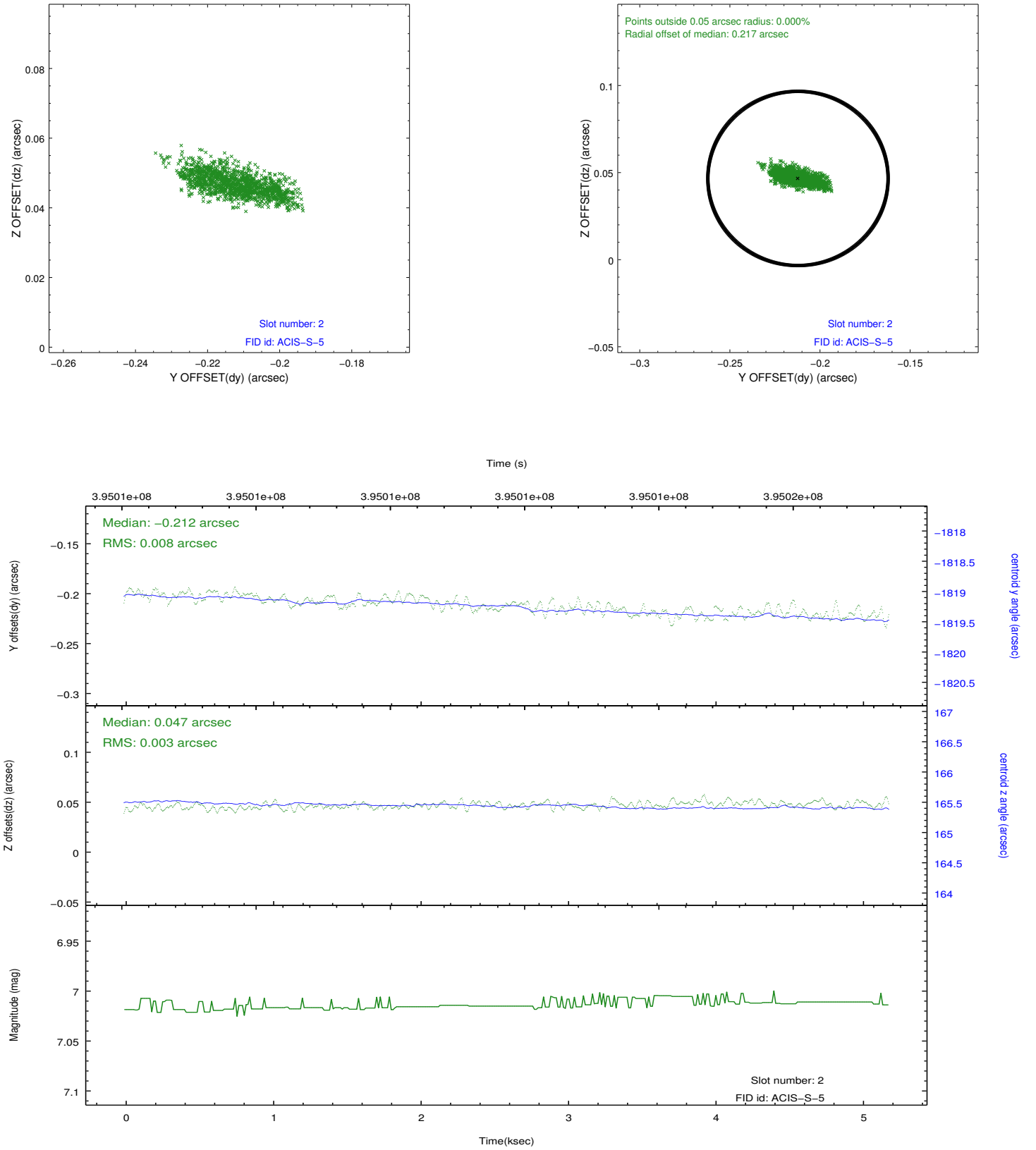
2.5.1 Slot 0



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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0360693042874

A.2 Comments