

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1917 - L2 Version 3
Chandra X-Ray Center

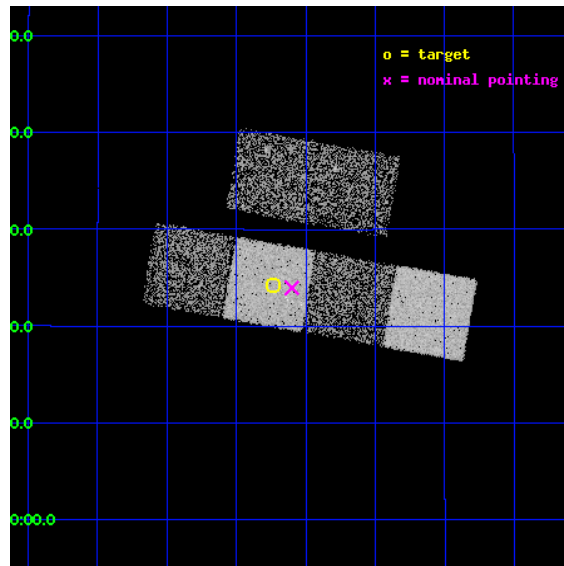
L2 Processing Date : Sep 20 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

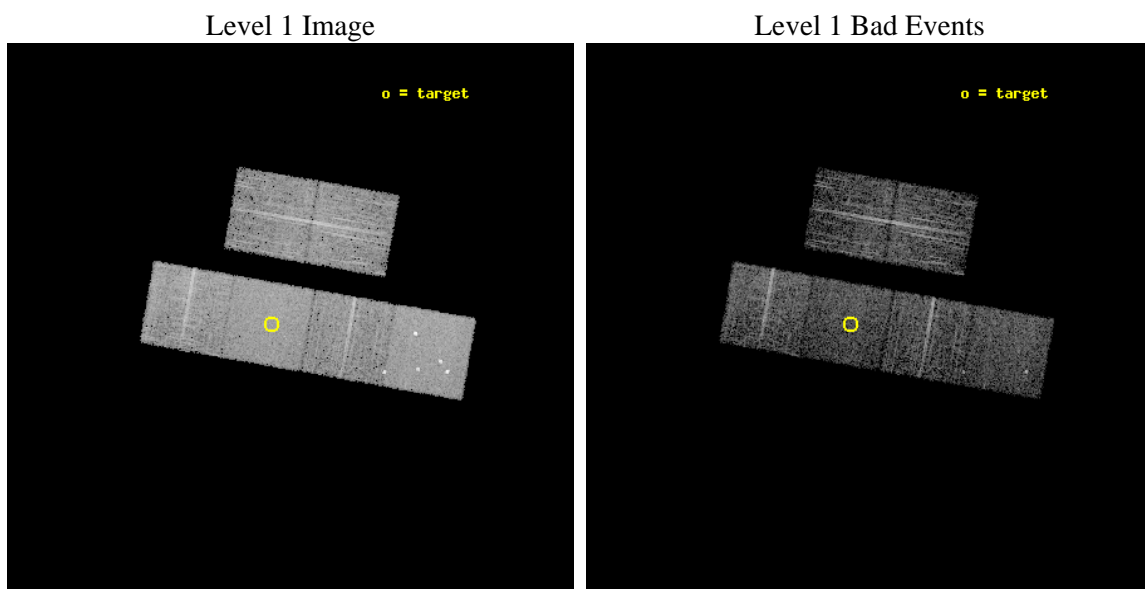
seq_num	400130	Sequence number
obs_id	1917	Observation id
title	X-RAY BURSTERS WITH LOW PERSISTENT X-RAY LUMINOSITIES	Proposal tit
observer	PROF FRANK VERBUNT	Principal investigator
object	SAX J1818.7+1424	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.683333	Observer's specified target RA [deg]
dec_targ	14.403333	Observer's specified target Dec [deg]
ra_nom	274.65001095986	Nominal RA [deg]
dec_nom	14.39936577301	Nominal Dec [deg]
roll_nom	189.99391908452	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4755.2000044137	Sum of GTIs [s]
livetime	4694.9867987201	Livetime [s]
ontime2	4755.2000044137	Sum of GTIs [s]
ontime3	4755.2000044137	Sum of GTIs [s]
ontime5	4755.2000044137	Sum of GTIs [s]
ontime6	4755.2000044137	Sum of GTIs [s]
ontime7	4755.2000044137	Sum of GTIs [s]
ontime8	4751.9590341598	Sum of GTIs [s]
l2events	48016	Number of level 2 events



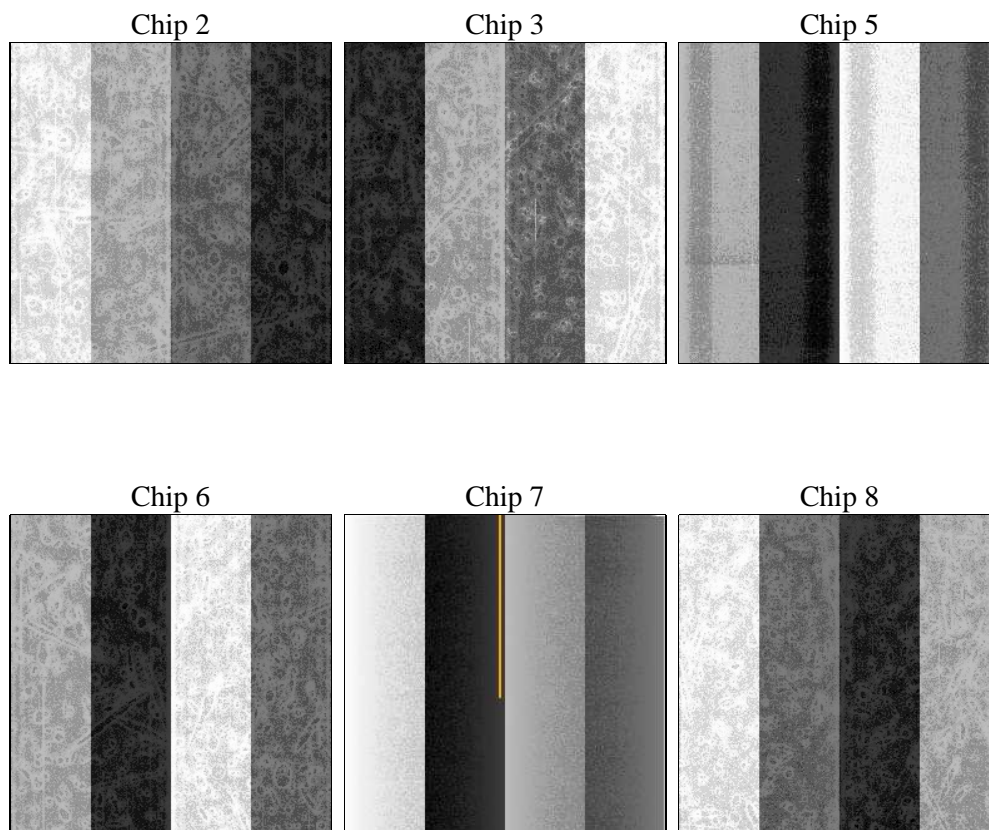
2 OBI

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	8.4.5	Processing system revision	ontime	4755.2000044137	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4755.2000044137	Sum of GTIs [s]
date	2012-09-20T07:28:40	Date and time of file creation	ontime3	4755.2000044137	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4755.2000044137	Sum of GTIs [s]
			ontime6	4755.2000044137	Sum of GTIs [s]
			ontime7	4755.2000044137	Sum of GTIs [s]
			ontime8	4751.9590341598	Sum of GTIs [s]
			l1events	229290	Number of level 1 events

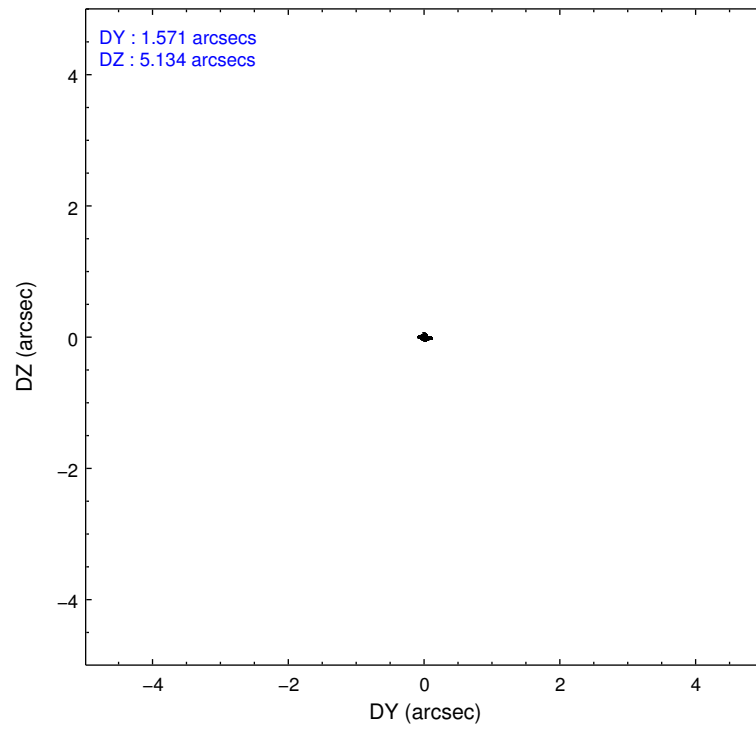
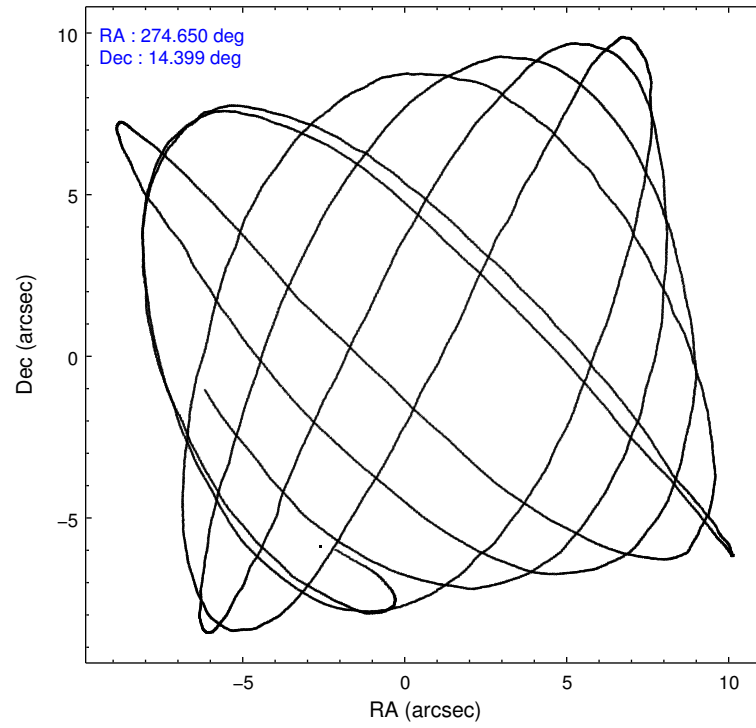
2.1.4 Events

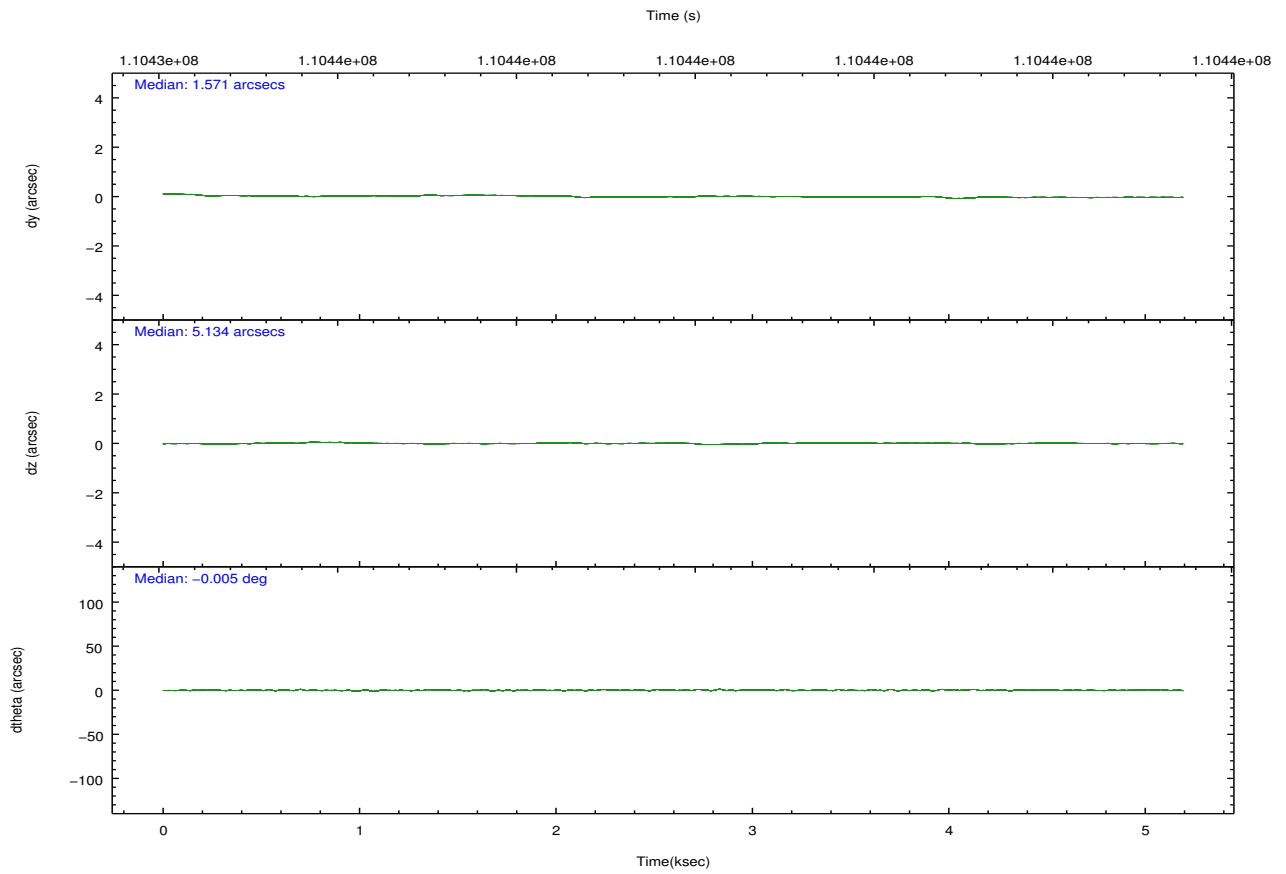
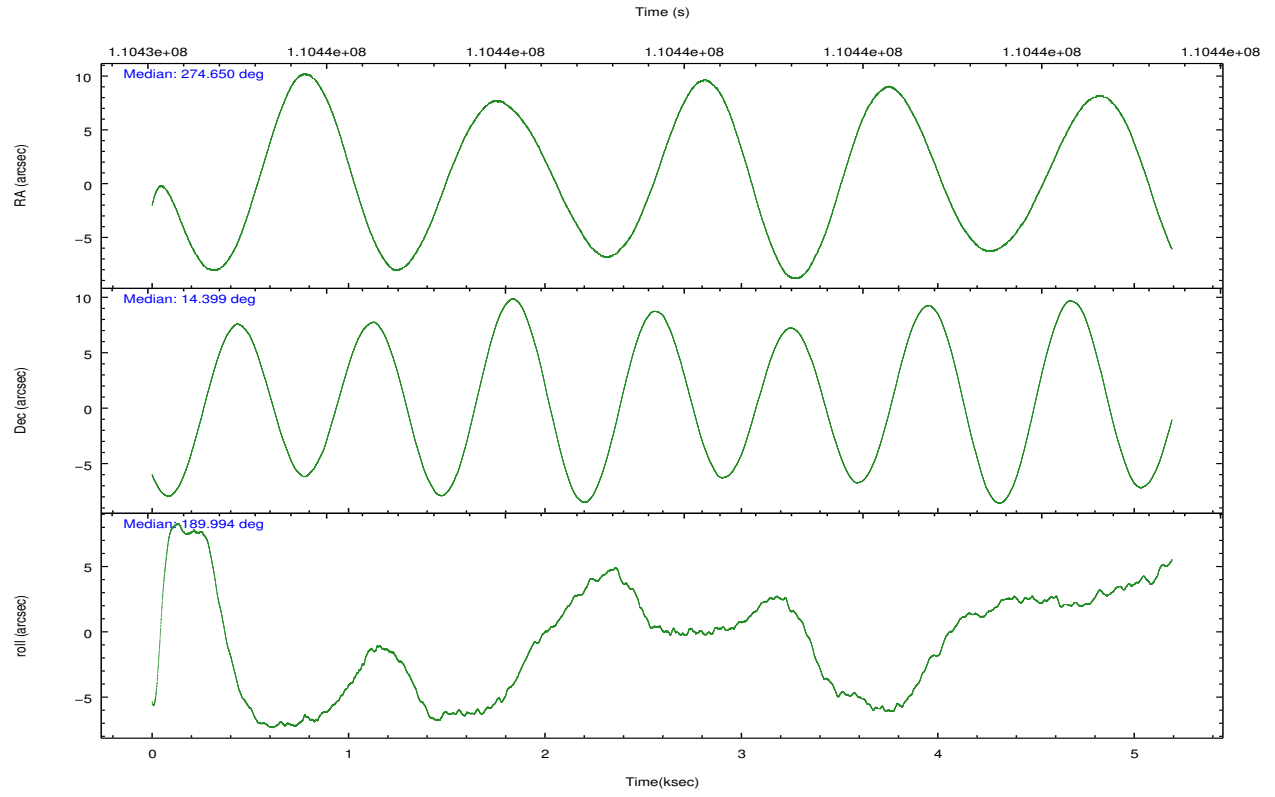
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34991	31056	48255	31636	40734	42618	grade 0 events	1446	1550	5133	1555	1634	2504
rejected events	31443	27431	24597	27934	23993	34630		4%	4%	10%	4%	4%	5%
rejected %	89%	88%	50%	88%	58%	81%	grade 1 events	22	11	402	15	47	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	824	709	6135	715	3281	1769
								2%	2%	12%	2%	8%	4%
							grade 3 events	328	375	922	394	1541	864
								0%	1%	1%	1%	3%	2%
							grade 4 events	329	339	883	337	1547	782
								0%	1%	1%	1%	3%	1%
							grade 5 events	1098	1179	3445	1347	3926	1647
								3%	3%	7%	4%	9%	3%
							grade 6 events	627	656	10613	705	8753	2101
								1%	2%	21%	2%	21%	4%
							grade 7 events	30317	26237	20722	26568	20005	32923
								86%	84%	42%	83%	49%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	274.671416	274.6500109598628	Subarray requested	NONE	NONE
[deg] Pointing Dec	14.417231	14.39936577300987	Alternating exposures requested	N	N
[deg] Pointing Roll	189.831993	189.9939190845224	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	110434472.184000	110433770.38561			
Observation start date	2001-07-02T04:13:28	2001-07-02T04:02:50			
[s] Observation end time (MET)	110439472.184000	110440195.59836			
Observation end date	2001-07-02T05:36:48	2001-07-02T05:49:55			
Read mode	TIMED	TIMED			

2.3 Aspect



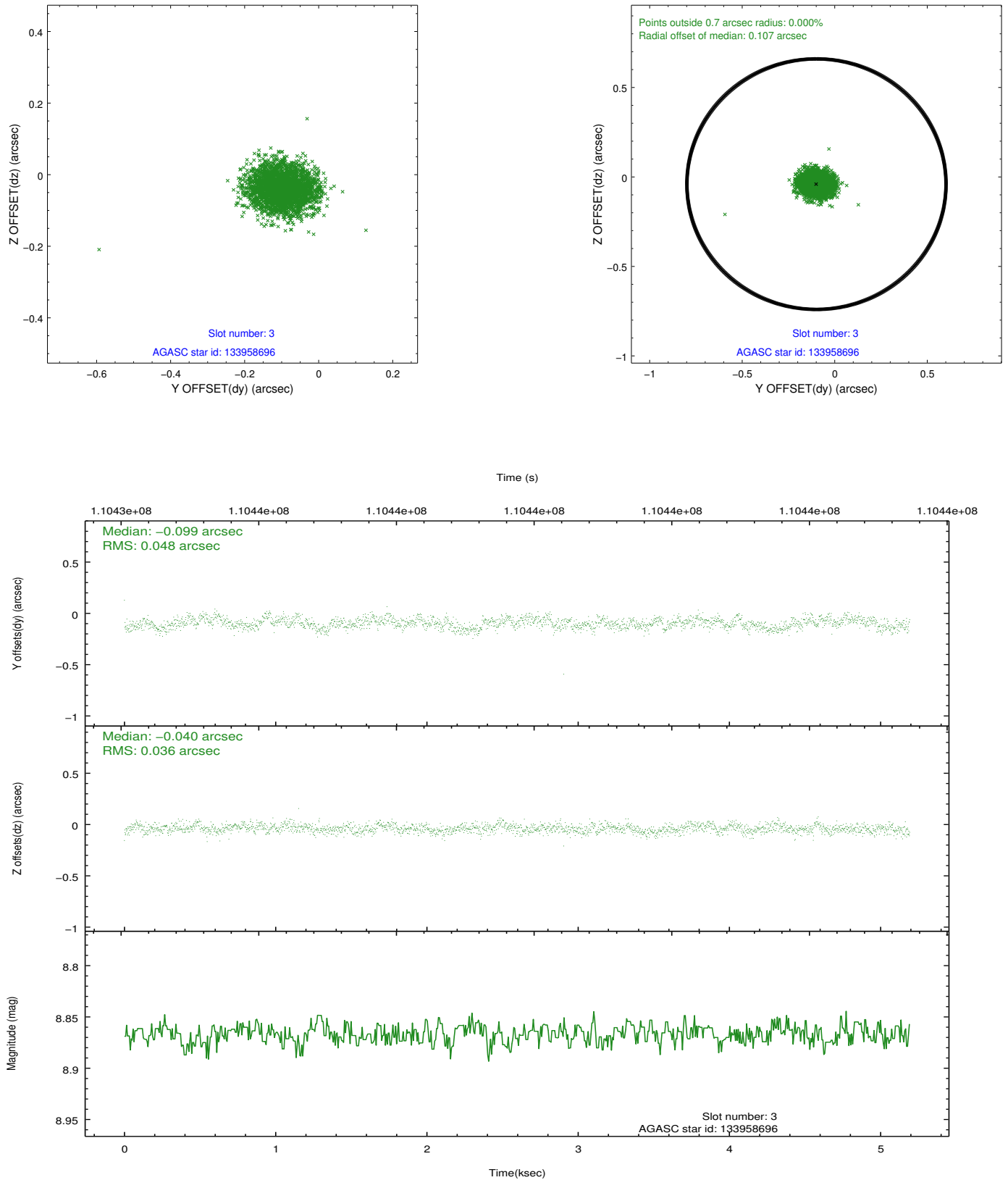


Slot Statistics

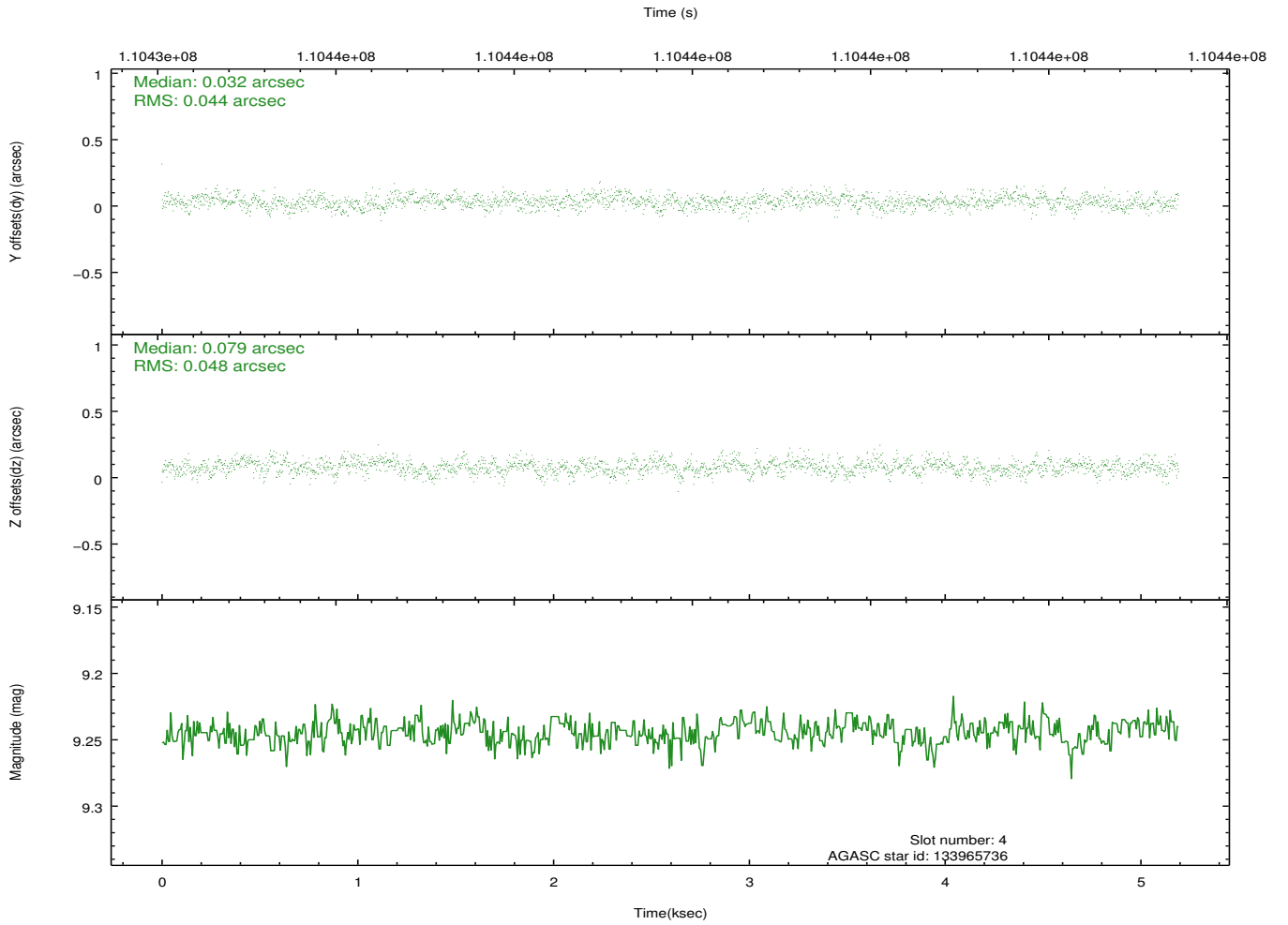
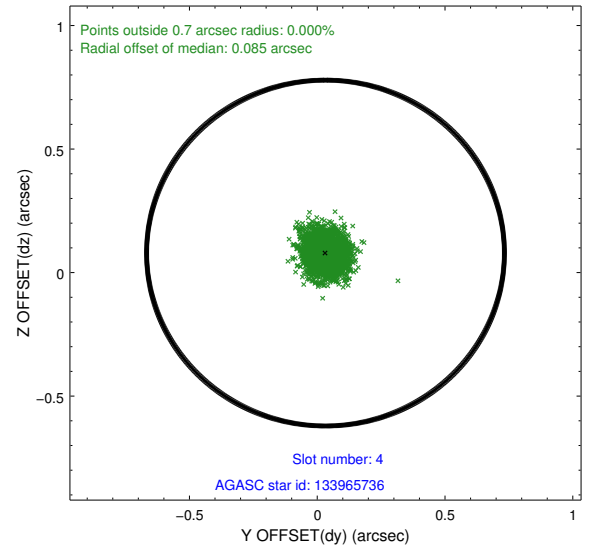
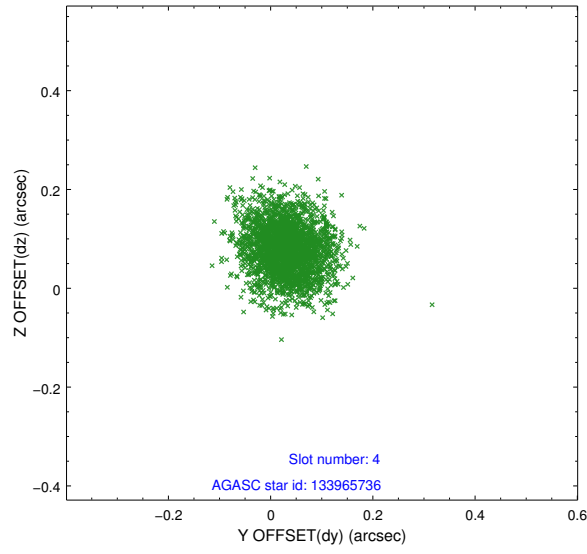
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1267	-0.040	-0.001	0.006	0.010	0.000000	0.000000	-754.18	-1726.27
1	FID	ACIS-S-4	7.20	1267	-0.032	0.020	0.006	0.010	0.000000	0.000000	2158.54	181.10
2	FID	ACIS-S-5	7.24	1267	0.041	-0.009	0.006	0.011	0.000000	0.000000	-1805.48	175.98
3	GUIDE	133958696	8.87	2532	-0.099	-0.040	0.064	0.102	274.232754	14.015868	1755.89	1160.49
4	GUIDE	133965736	9.24	2534	0.032	0.079	0.070	0.115	275.228127	14.715430	-2093.16	-728.68
5	GUIDE	133959032	9.51	2532	0.069	0.001	0.083	0.139	274.438600	14.581572	697.20	-722.23
6	GUIDE	133966008	9.43	2532	0.054	-0.001	0.093	0.147	275.203460	14.869602	-2102.40	-1291.08
7	GUIDE	133961952	9.46	2531	-0.056	-0.038	0.091	0.149	274.271950	14.198758	1506.70	535.04

2.4 Star Slots

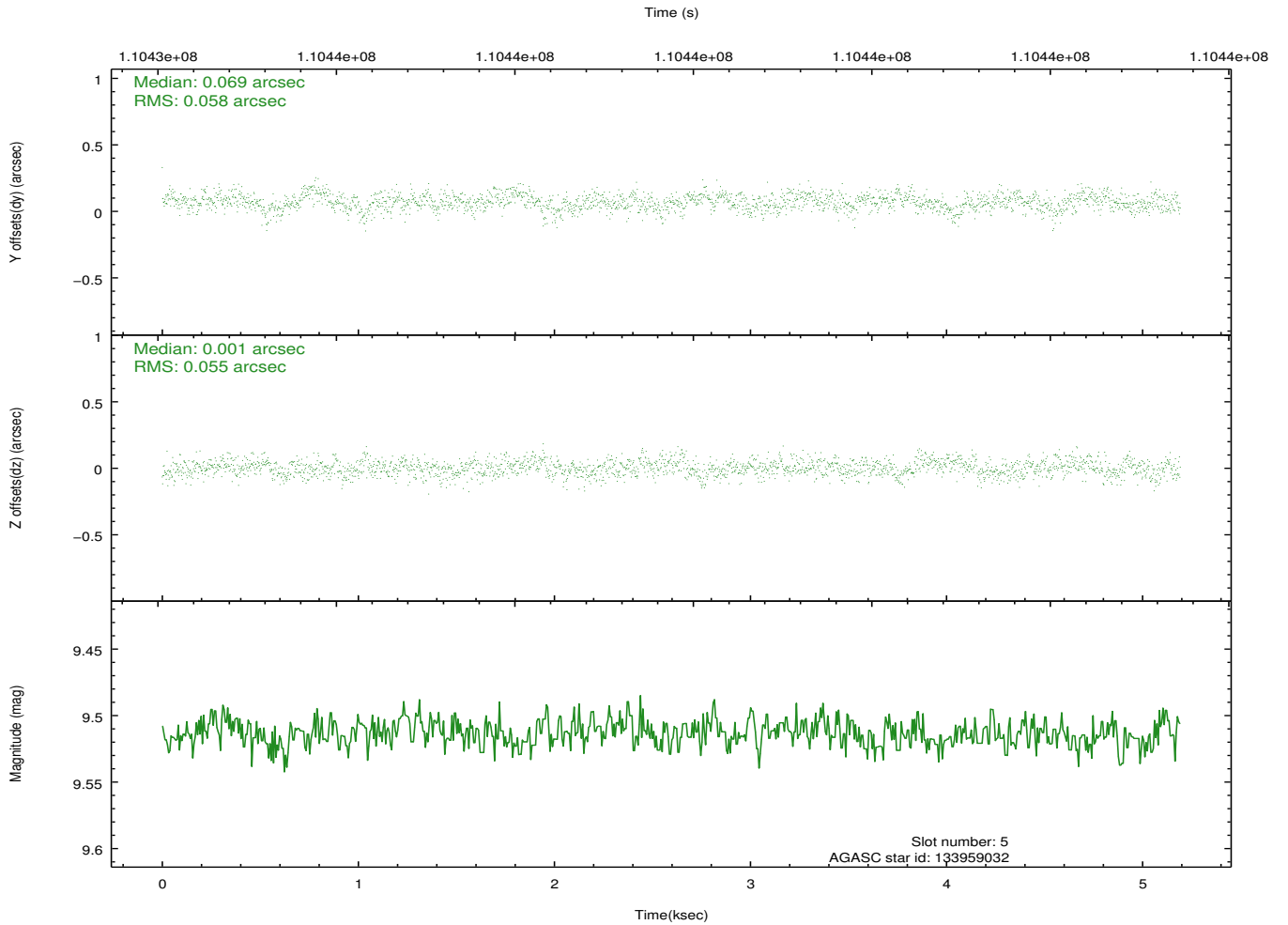
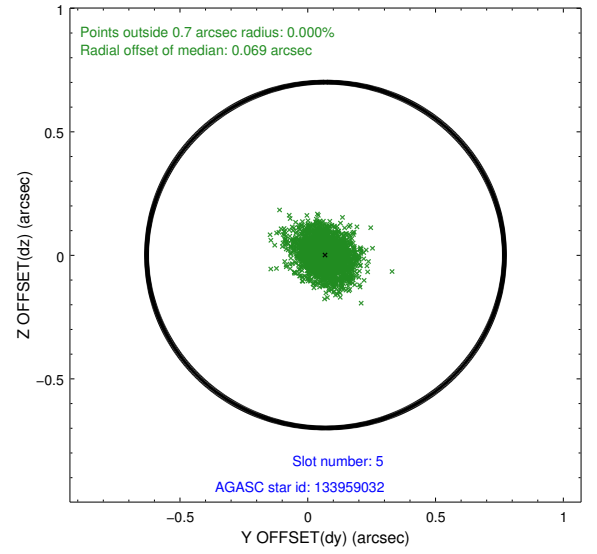
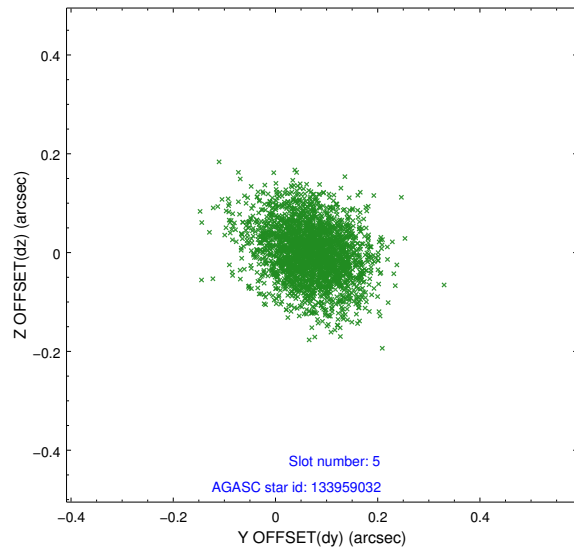
2.4.1 Slot 3



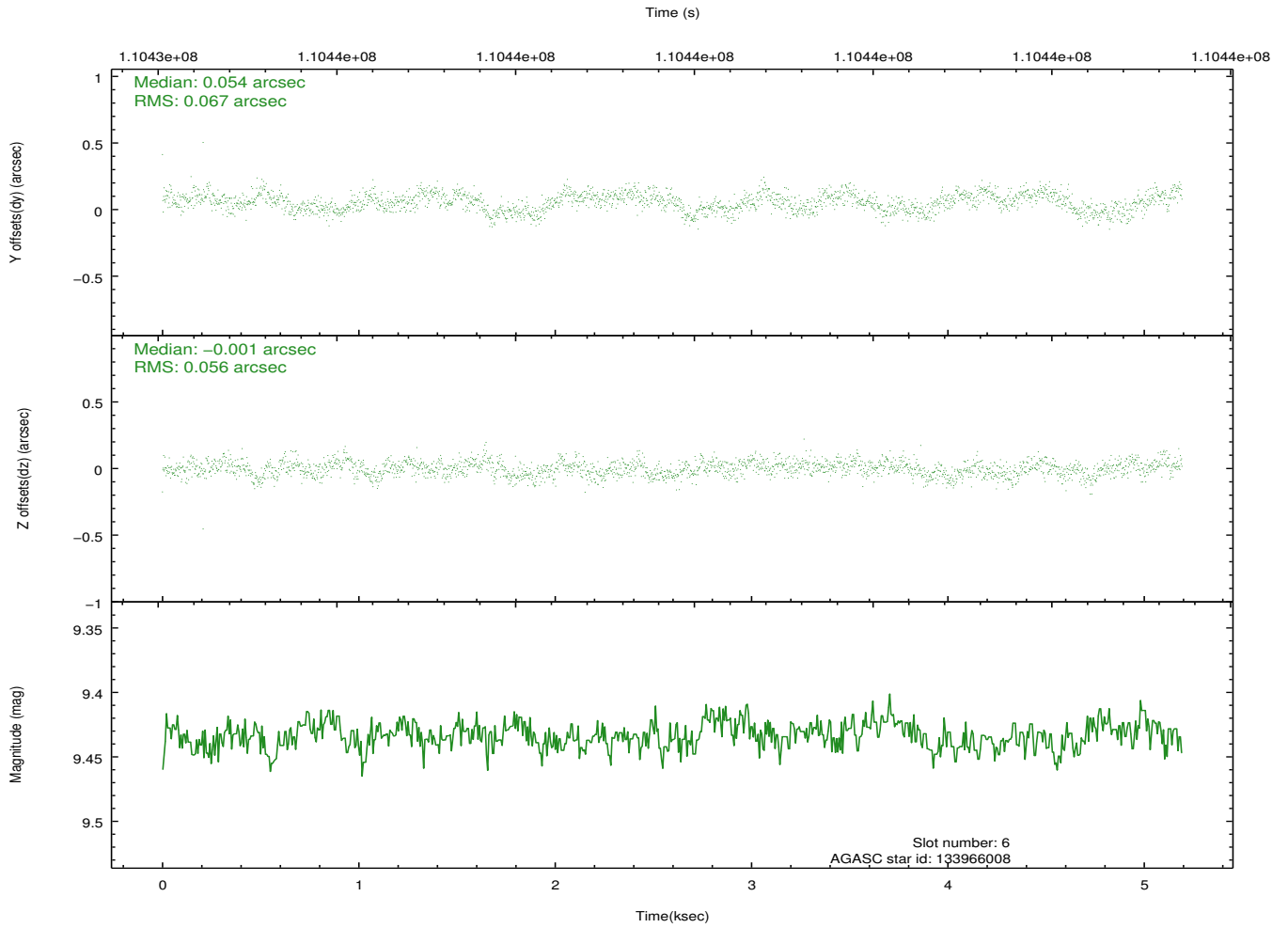
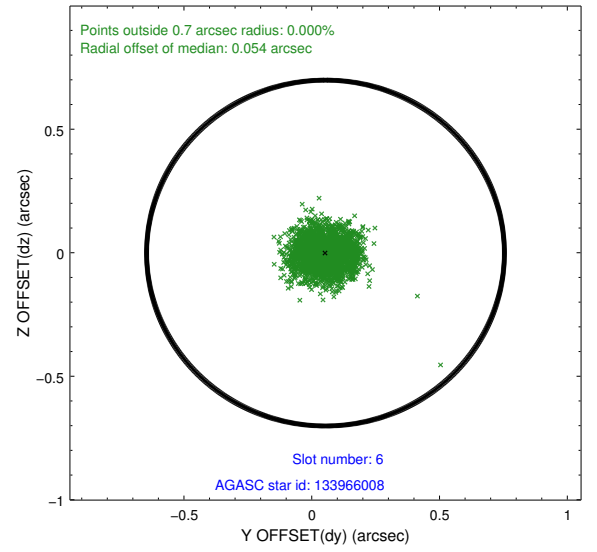
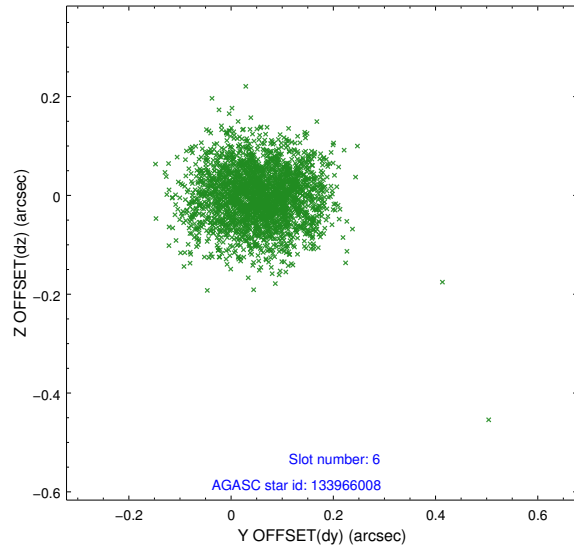
2.4.2 Slot 4



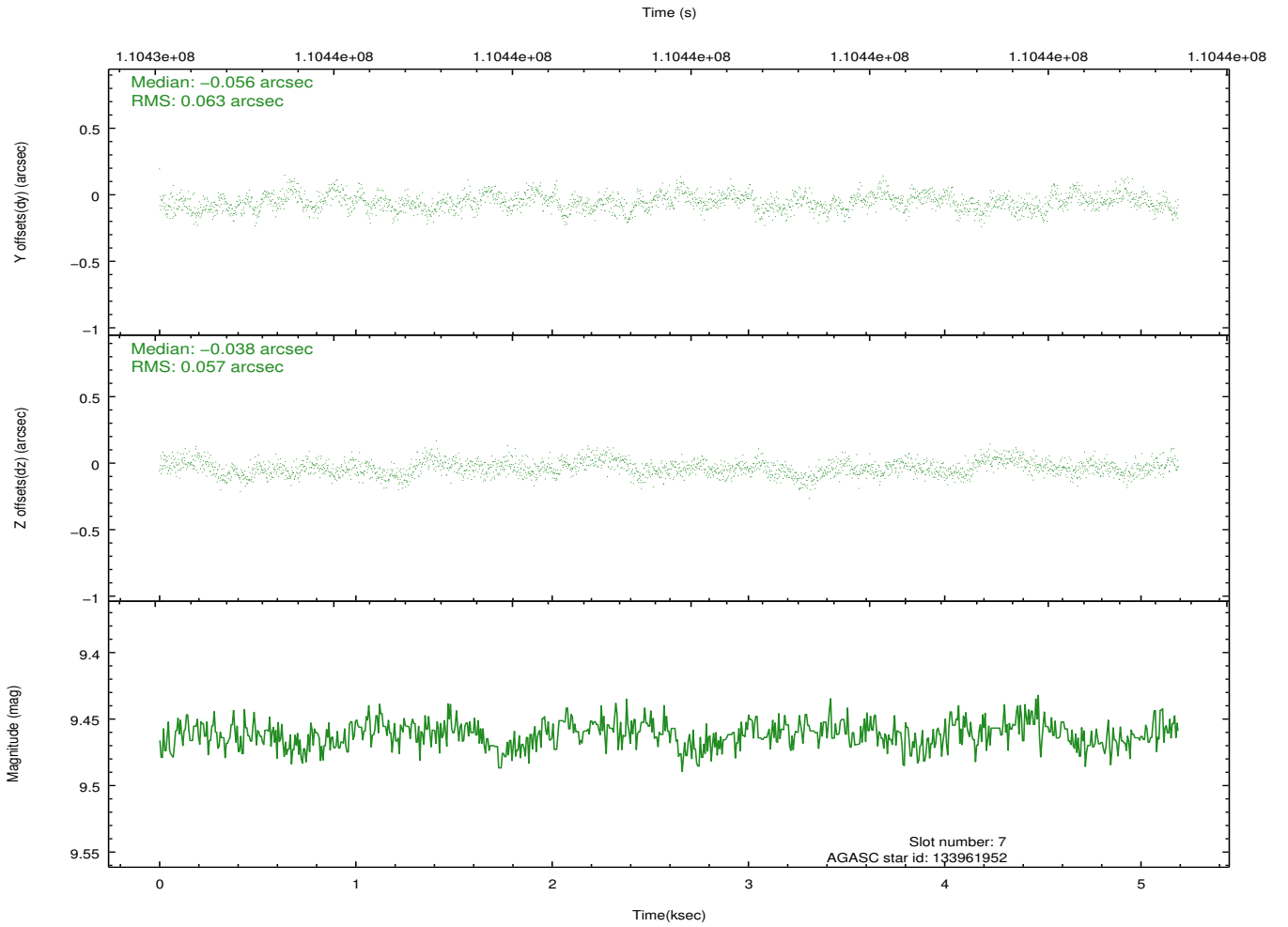
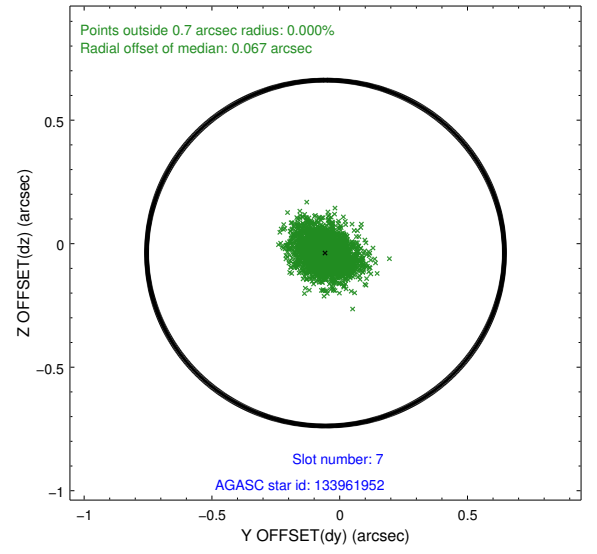
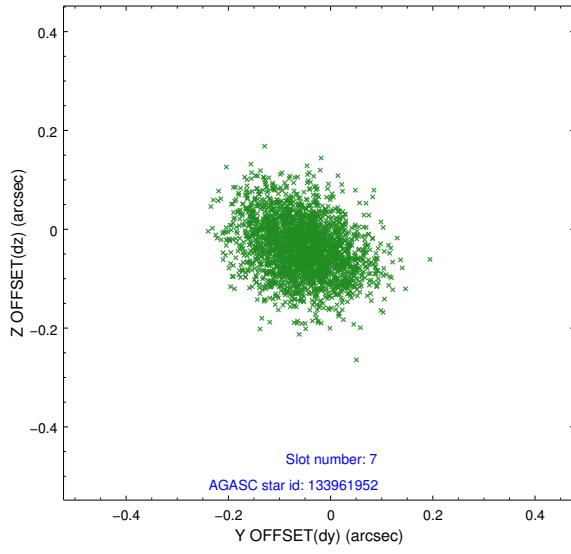
2.4.3 Slot 5



2.4.4 Slot 6

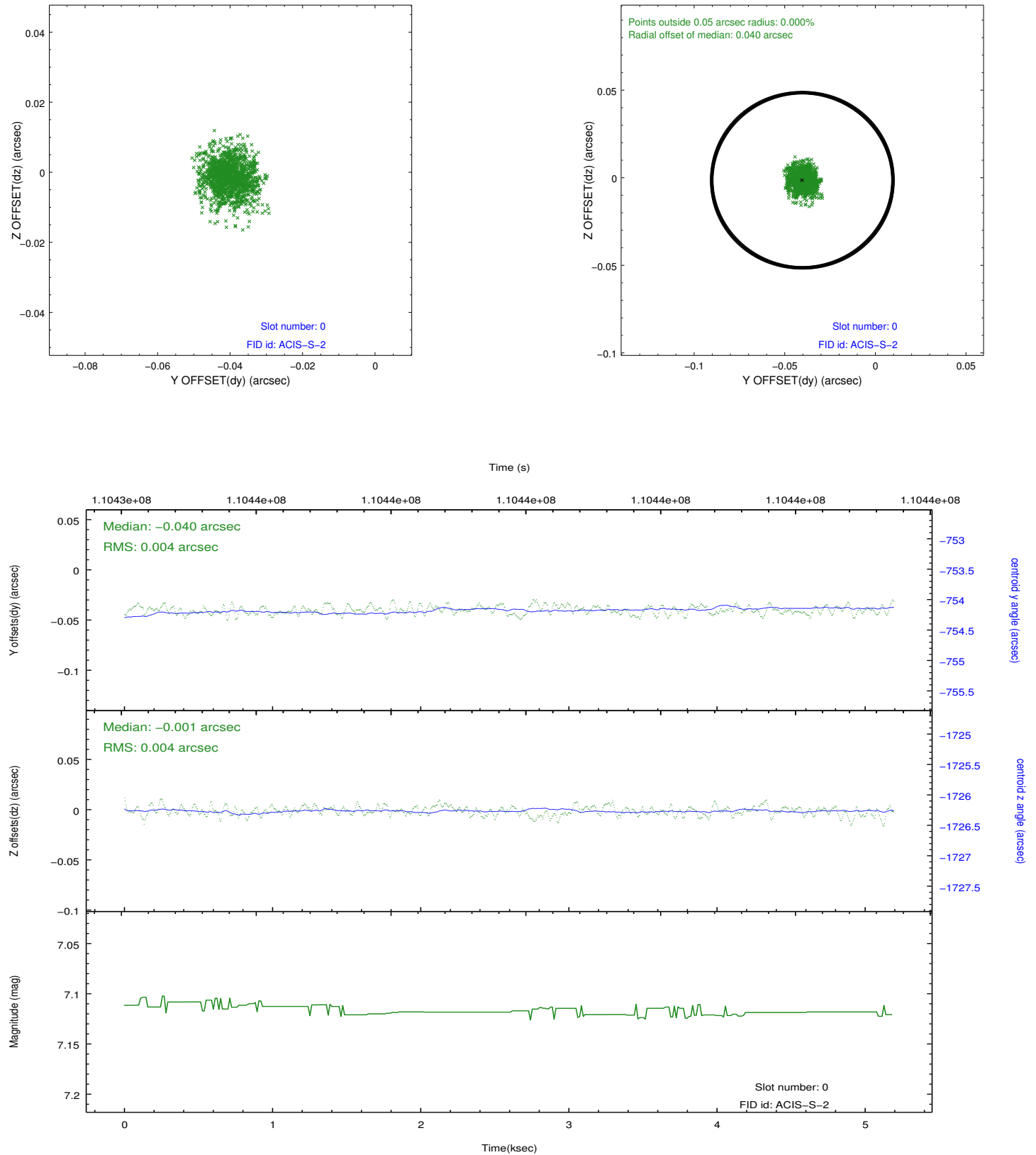


2.4.5 Slot 7

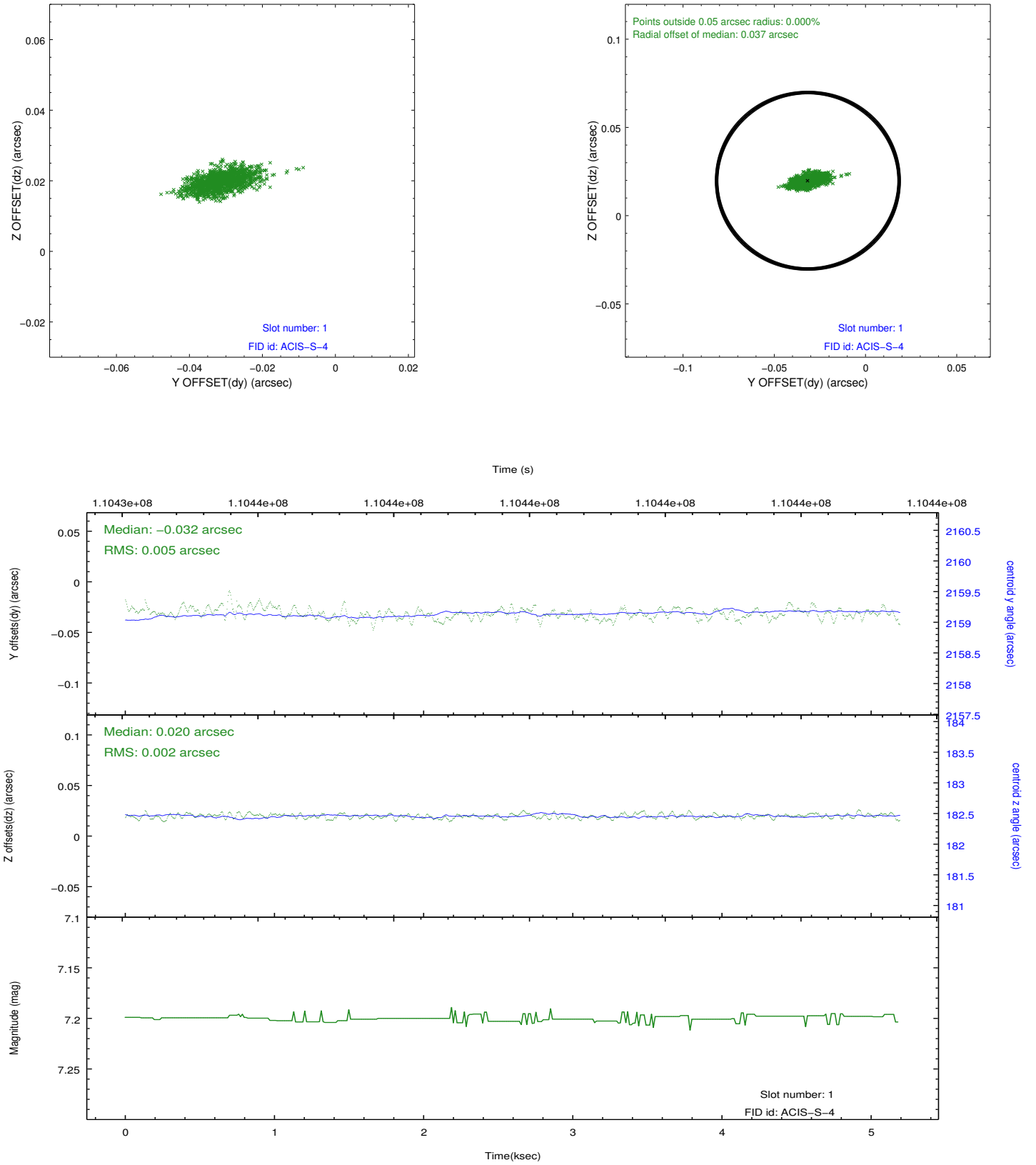


2.5 FID Slots

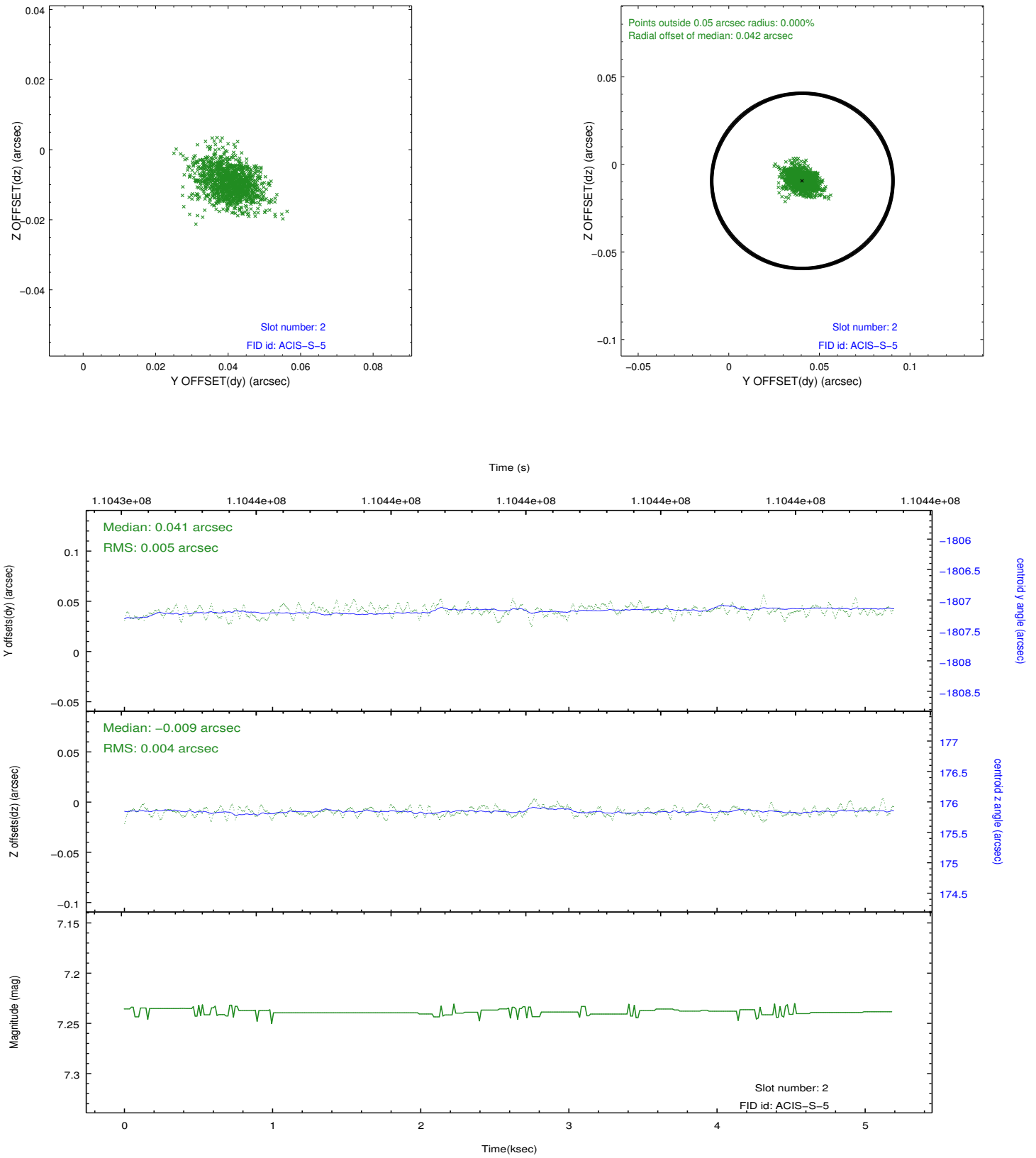
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.758

A.2 Comments