

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12678 - L2 Version 2
Chandra X-Ray Center

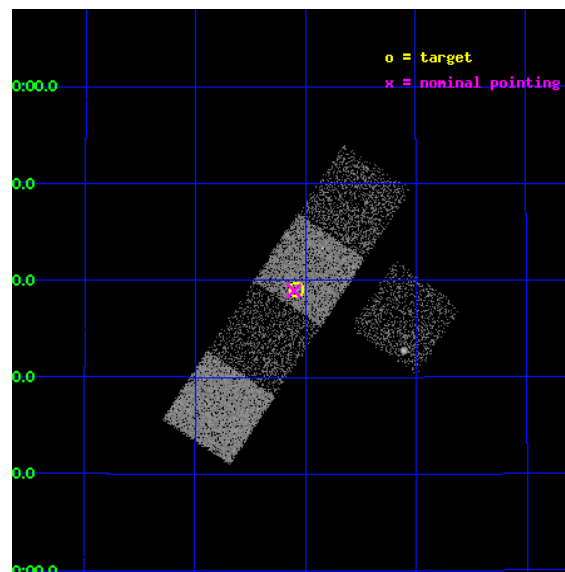
L2 Processing Date : Jul 8 2012

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1 Front

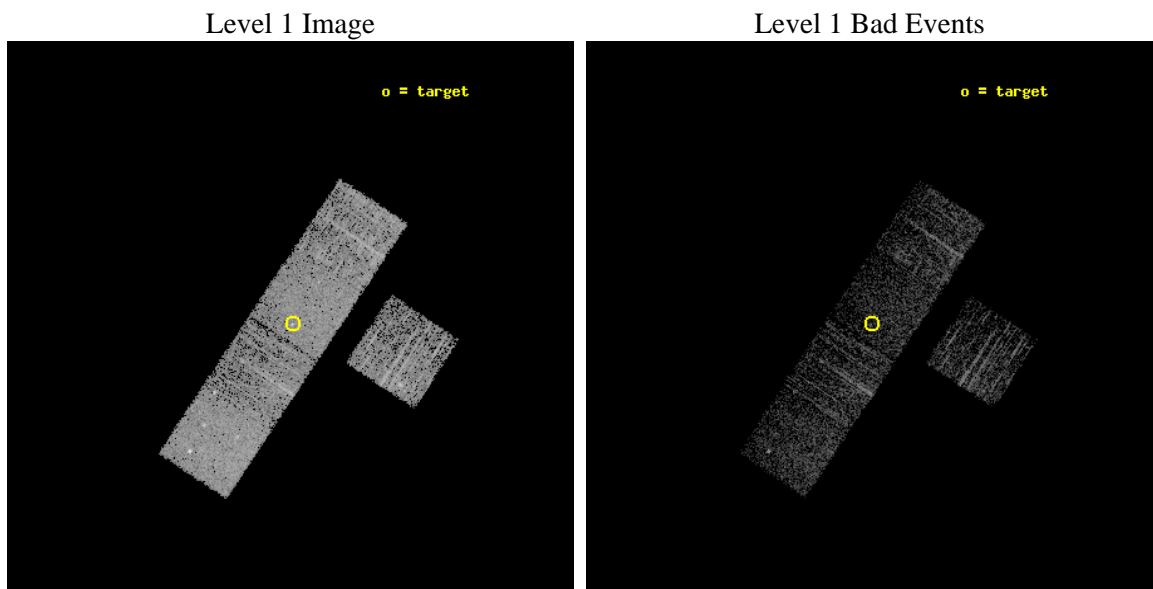
seq_num	501511	Sequence number
obs_id	12678	Observation id
title	Completing Identification of the Nearest and Brightest Neutron Stars	
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ221405.0+393855	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	333.520833	Observer's specified target RA [deg]
dec_targ	39.650944	Observer's specified target Dec [deg]
ra_nom	333.52653806582	Nominal RA [deg]
dec_nom	39.649003990128	Nominal Dec [deg]
roll_nom	303.64989594575	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2039.8000156879	Sum of GTIs [s]
livetime	2013.1485268041	Livetime [s]
ontime3	2039.8000156879	Sum of GTIs [s]
ontime5	2039.8000156879	Sum of GTIs [s]
ontime6	2039.8000156879	Sum of GTIs [s]
ontime7	2039.8000156879	Sum of GTIs [s]
ontime8	2039.8000156879	Sum of GTIs [s]
l2events	22759	Number of level 2 events



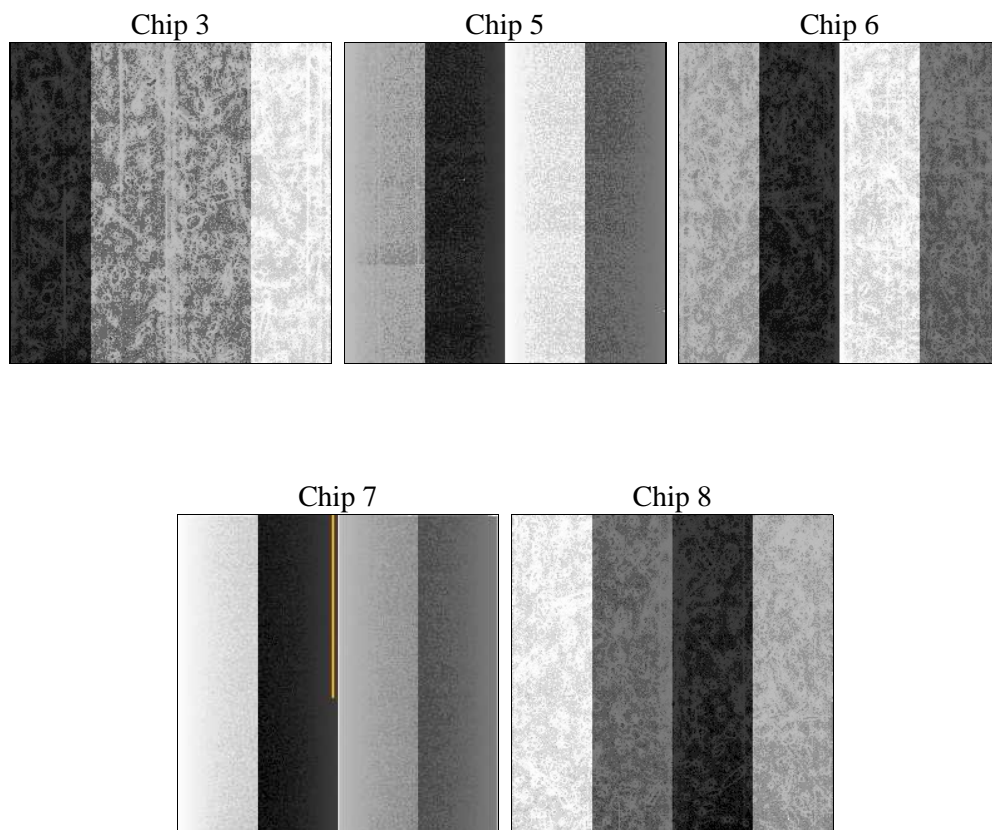
2 OBI

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	8.4.5	Processing system revision	ontime	2039.8000156879	Sum of GTIs [s]
caldsver	4.5.0	 	ontime3	2039.8000156879	Sum of GTIs [s]
date	2012-07-08T19:01:00	Date and time of file creation	ontime5	2039.8000156879	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2039.8000156879	Sum of GTIs [s]
			ontime7	2039.8000156879	Sum of GTIs [s]
			ontime8	2039.8000156879	Sum of GTIs [s]
			l1events	85801	Number of level 1 events

2.1.4 Events

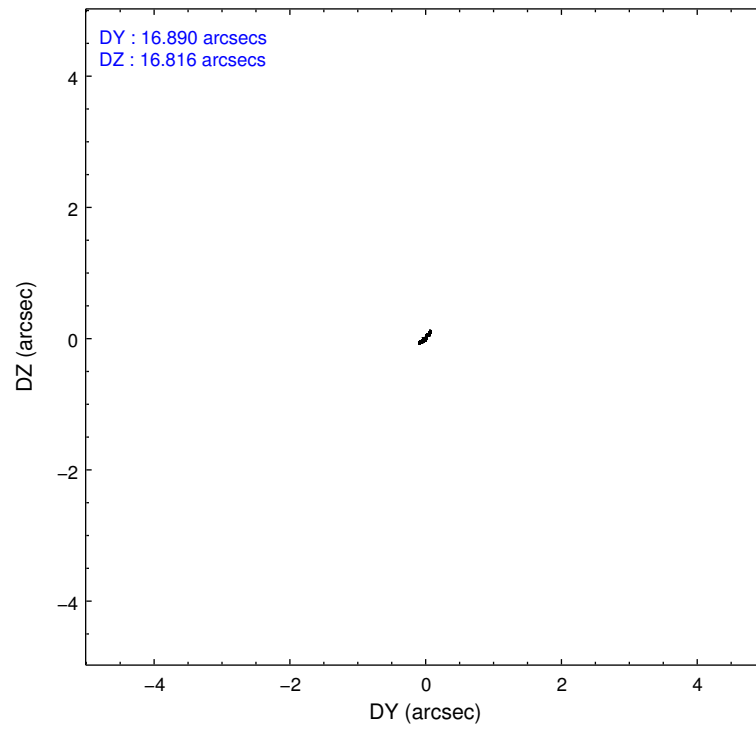
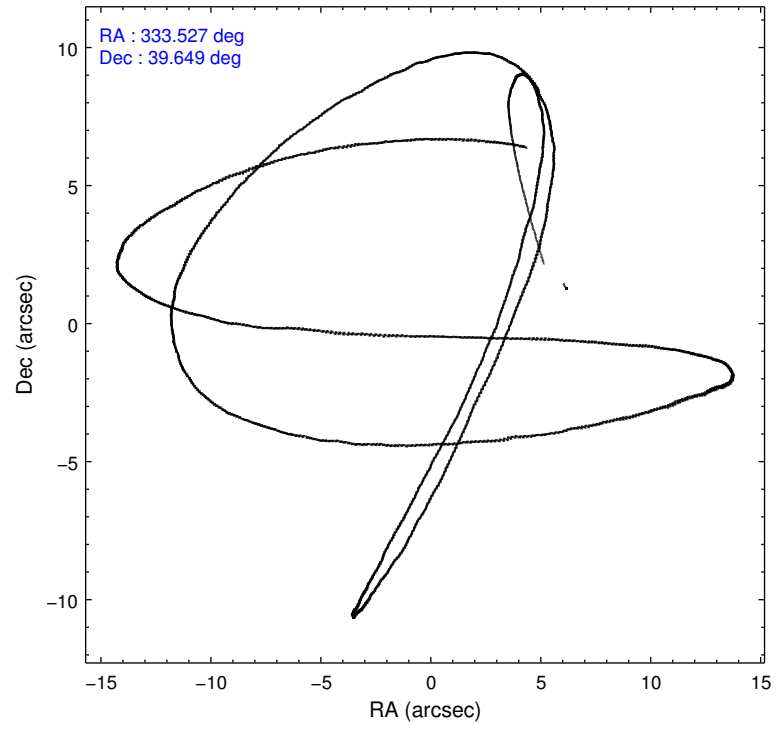
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14178	21884	14289	17972	17478
rejected events	12499	11046	12632	9759	12550
rejected %	88%	50%	88%	54%	71%

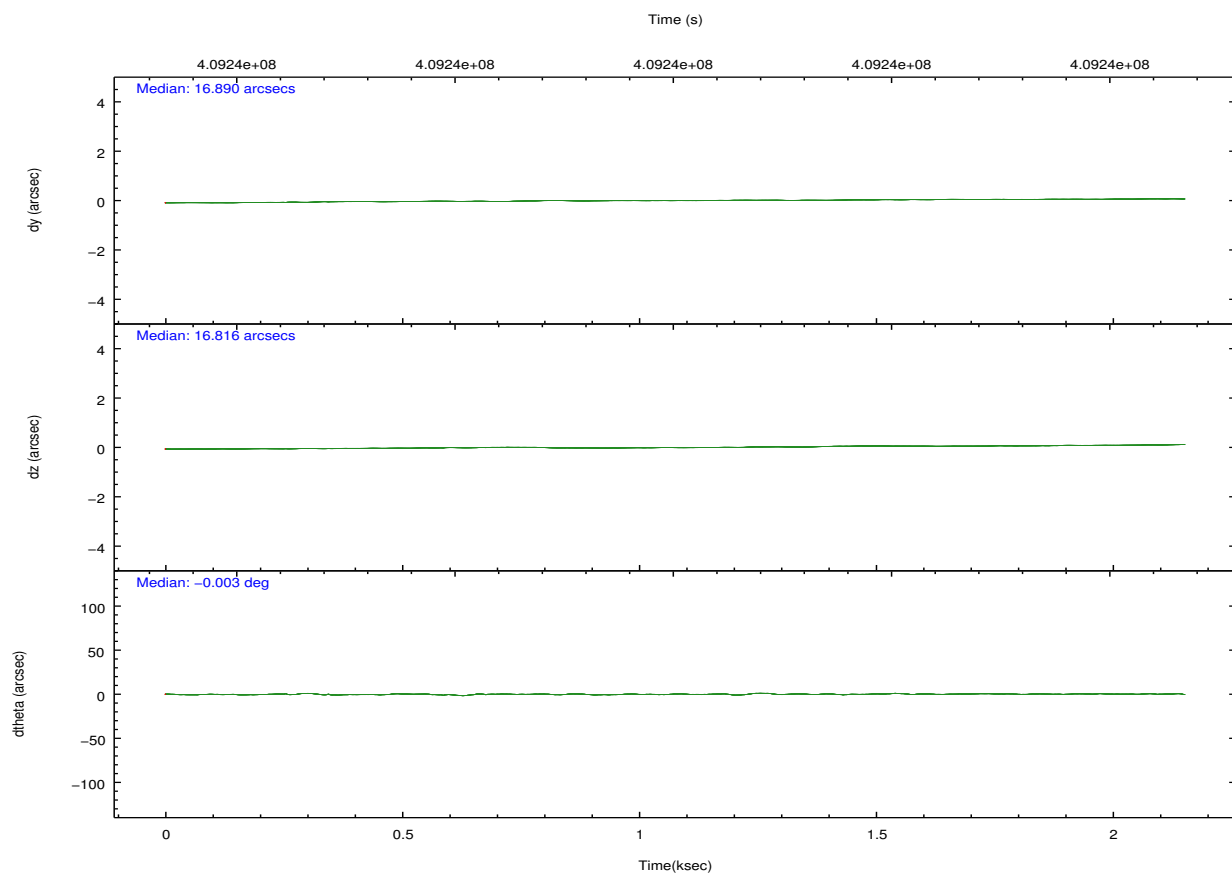
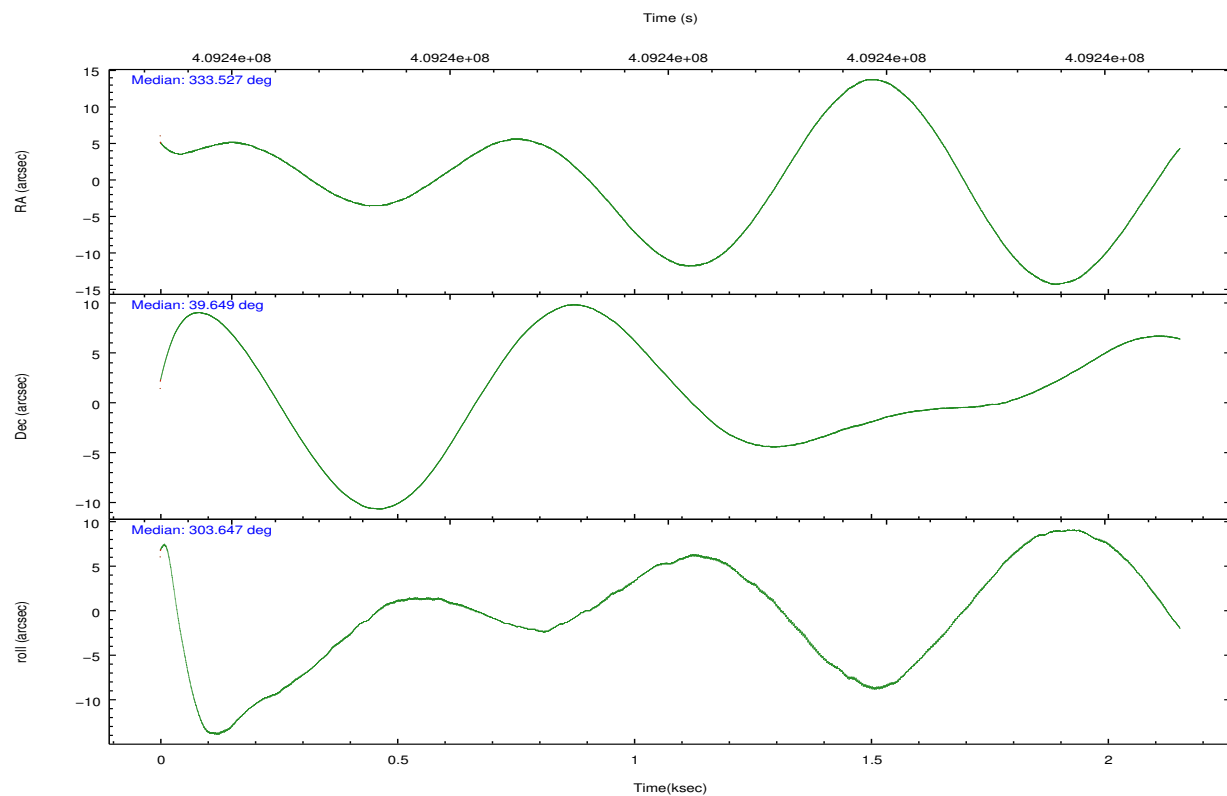
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	696	1121	602	776	1587
	4%	5%	4%	4%	9%
grade 1 events	8	55	12	24	16
	0%	0%	0%	0%	0%
grade 2 events	355	3274	358	1705	1161
	2%	14%	2%	9%	6%
grade 3 events	136	439	155	687	529
	0%	2%	1%	3%	3%
grade 4 events	150	412	164	672	462
	1%	1%	1%	3%	2%
grade 5 events	694	1623	647	1835	929
	4%	7%	4%	10%	5%
grade 6 events	346	5614	380	4378	1191
	2%	25%	2%	24%	6%
grade 7 events	11793	9346	11971	7895	11603
	83%	42%	83%	43%	66%

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	333.494519	333.5265380658248	CCD I2 on	N	N
[deg] Pointing Dec	39.660718	39.64900399012787	CCD I3 on	Y	Y
[deg] Pointing Roll	303.513595	303.6498959457476	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	409242583.184000	409240957.78417	CCD S5 on	N	N
Observation start date	2010-12-20T14:28:37	2010-12-20T14:02:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	409244583.184000	409245385.2719	On-chip summing requested	N	N
Observation end date	2010-12-20T15:01:57	2010-12-20T15:16:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



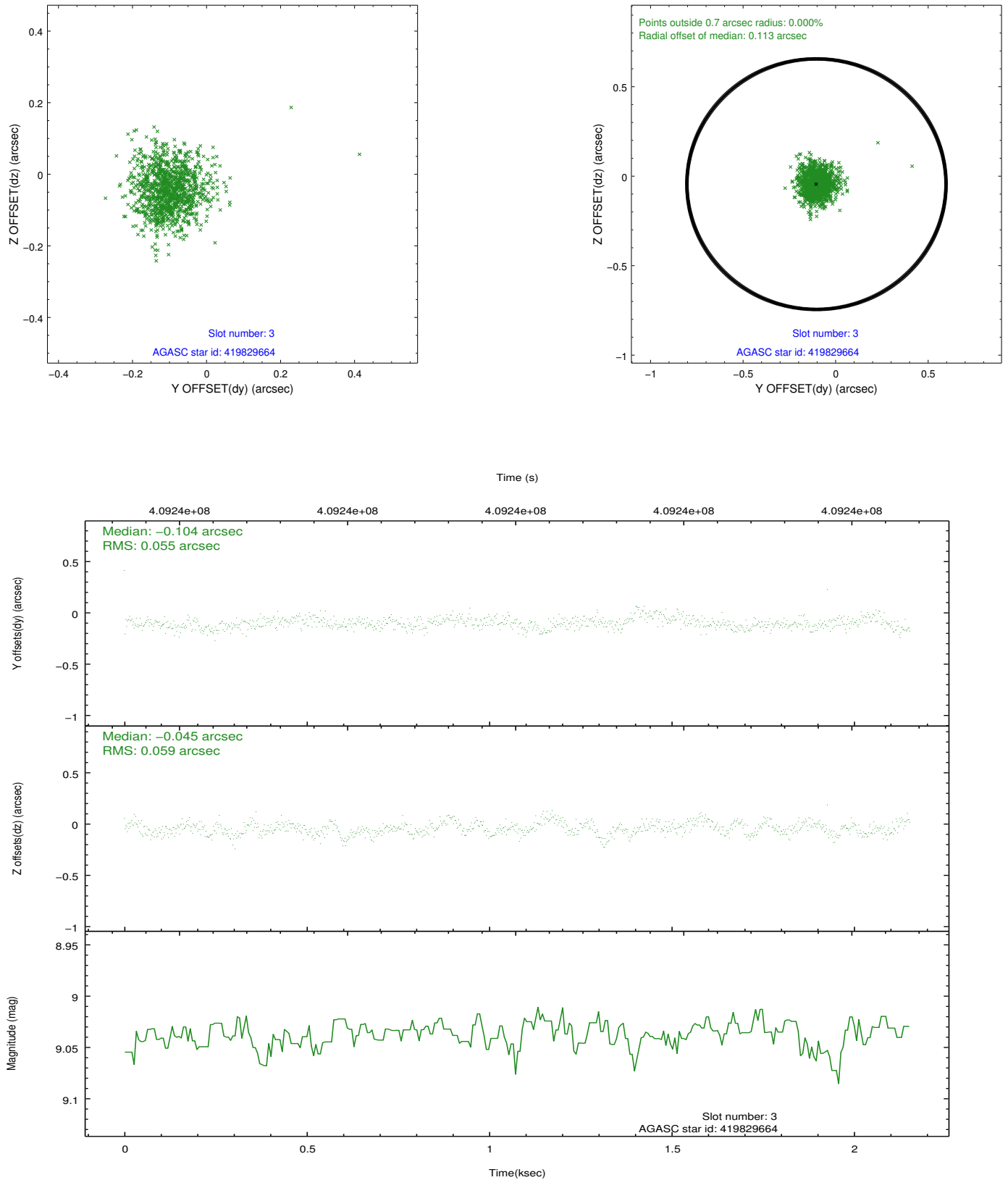


Slot Statistics

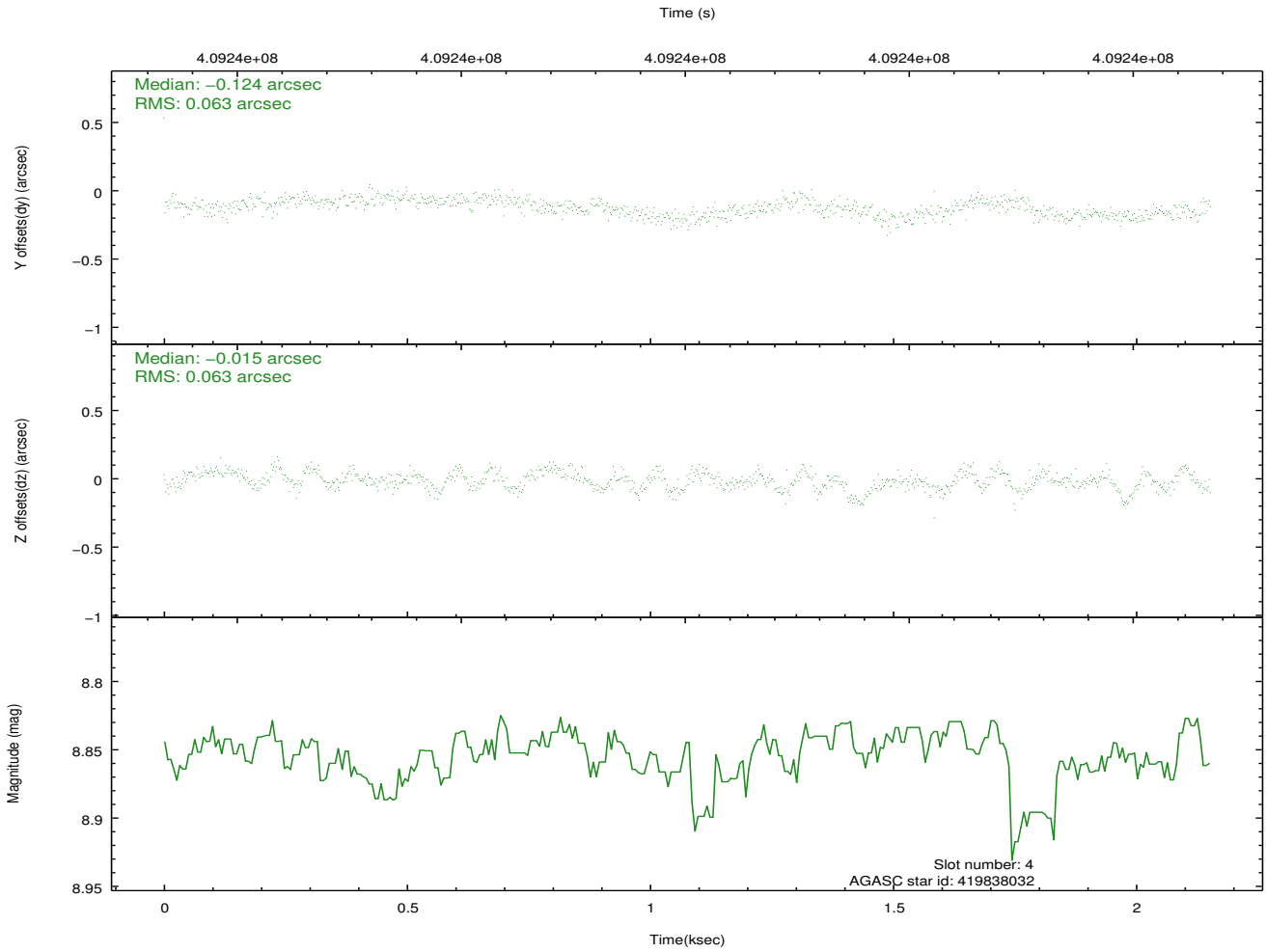
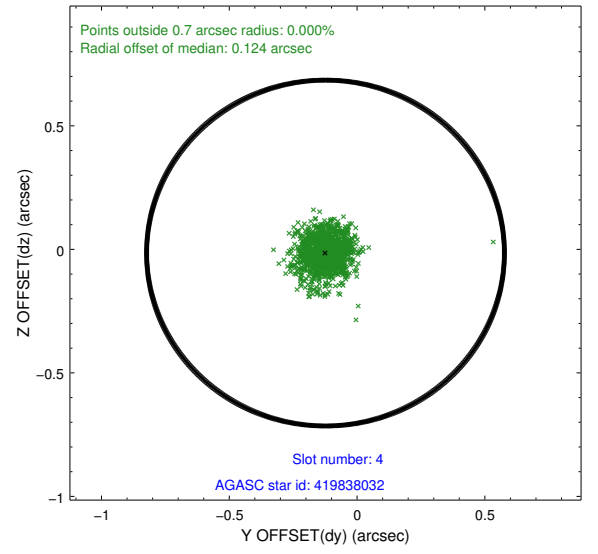
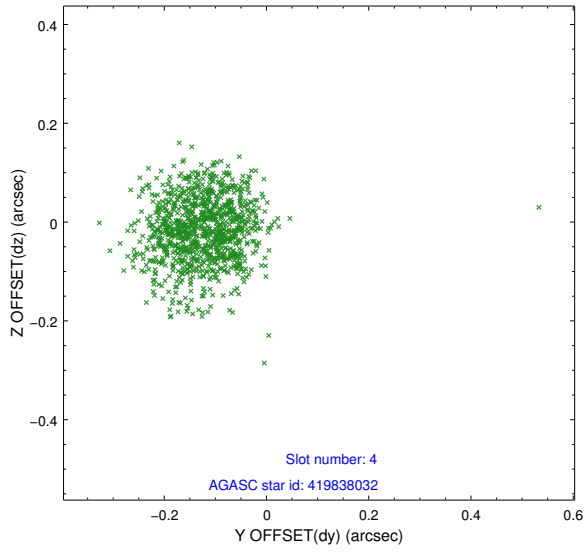
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	526	-0.069	-0.023	0.006	0.011	0.000000	0.000000	-770.00	-1738.27
1	FID	ACIS-S-4	7.02	526	0.169	0.040	0.007	0.013	0.000000	0.000000	2142.15	167.10
2	FID	ACIS-S-5	7.05	525	-0.131	-0.007	0.008	0.013	0.000000	0.000000	-1819.00	164.21
3	GUIDE	419829664	9.04	1051	-0.104	-0.045	0.083	0.137	332.506492	39.793534	-1919.37	-2006.29
4	GUIDE	419838032	8.85	1050	-0.124	-0.015	0.094	0.145	332.952287	39.808498	-1276.32	-956.06
5	GUIDE	419838144	8.85	1051	-0.120	0.127	0.095	0.147	332.562762	39.901647	-2155.55	-1659.94
6	GUIDE	419321776	8.82	1051	0.054	0.003	0.108	0.169	332.975648	39.038732	1061.33	-2445.05
7	GUIDE	419327336	9.04	1050	0.306	-0.069	0.114	0.195	333.192785	38.786730	2156.89	-2444.37

2.4 Star Slots

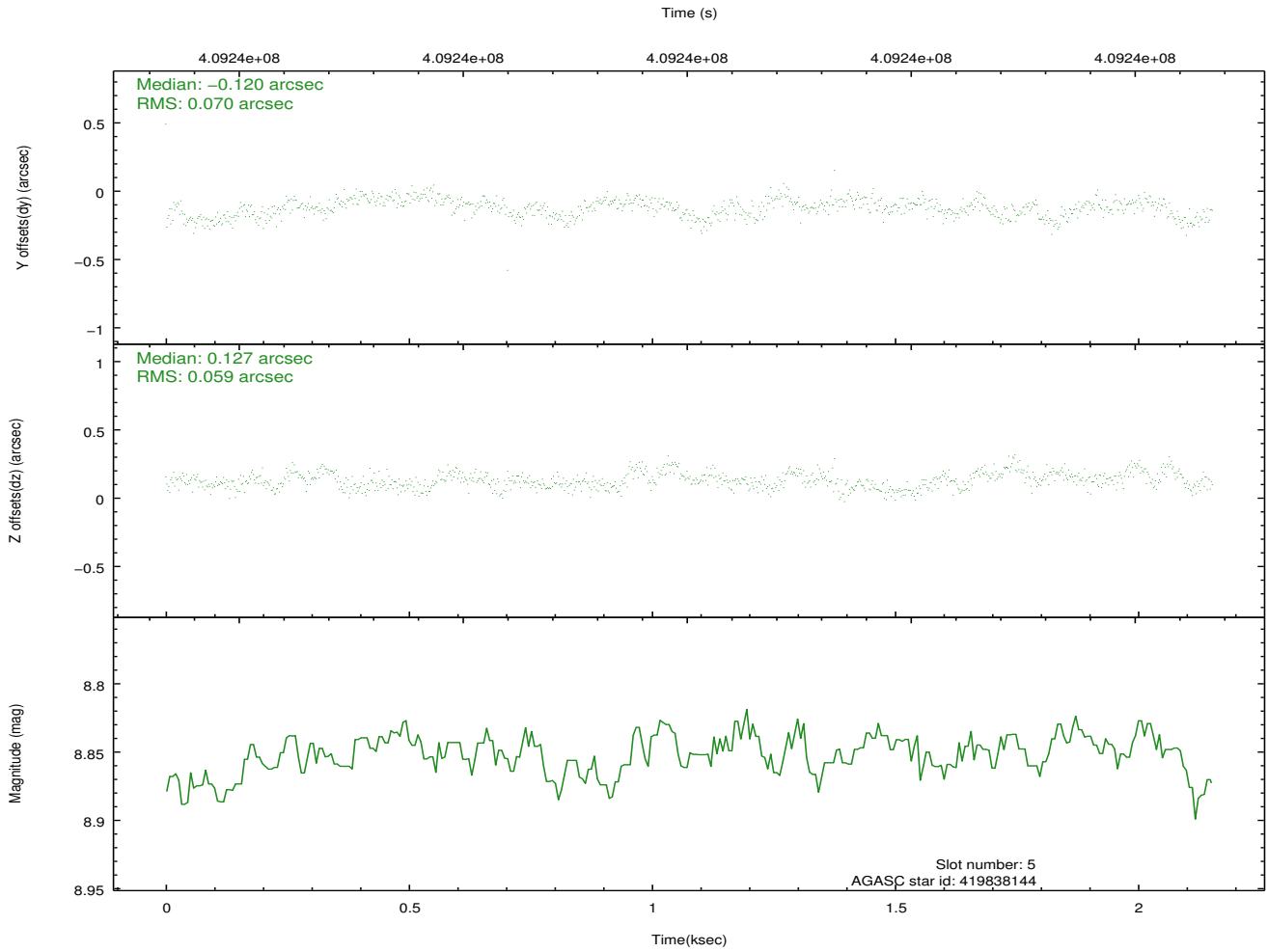
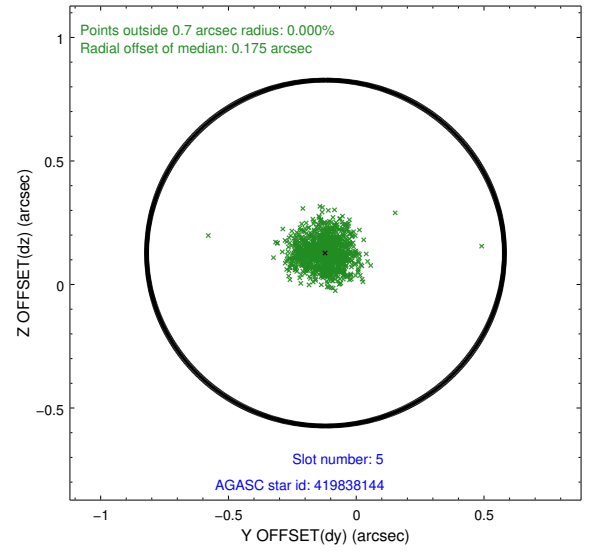
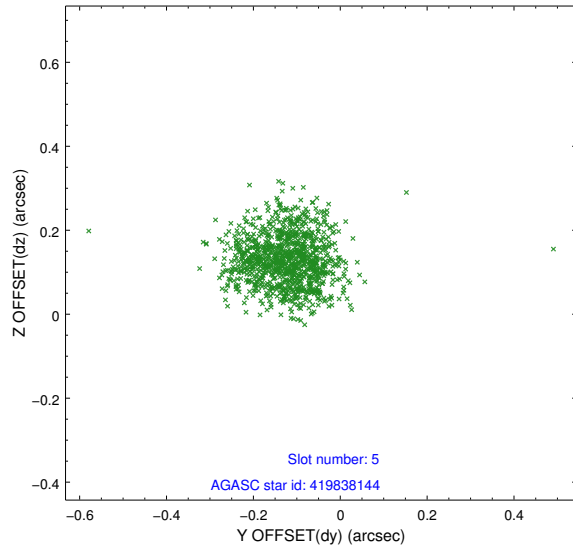
2.4.1 Slot 3



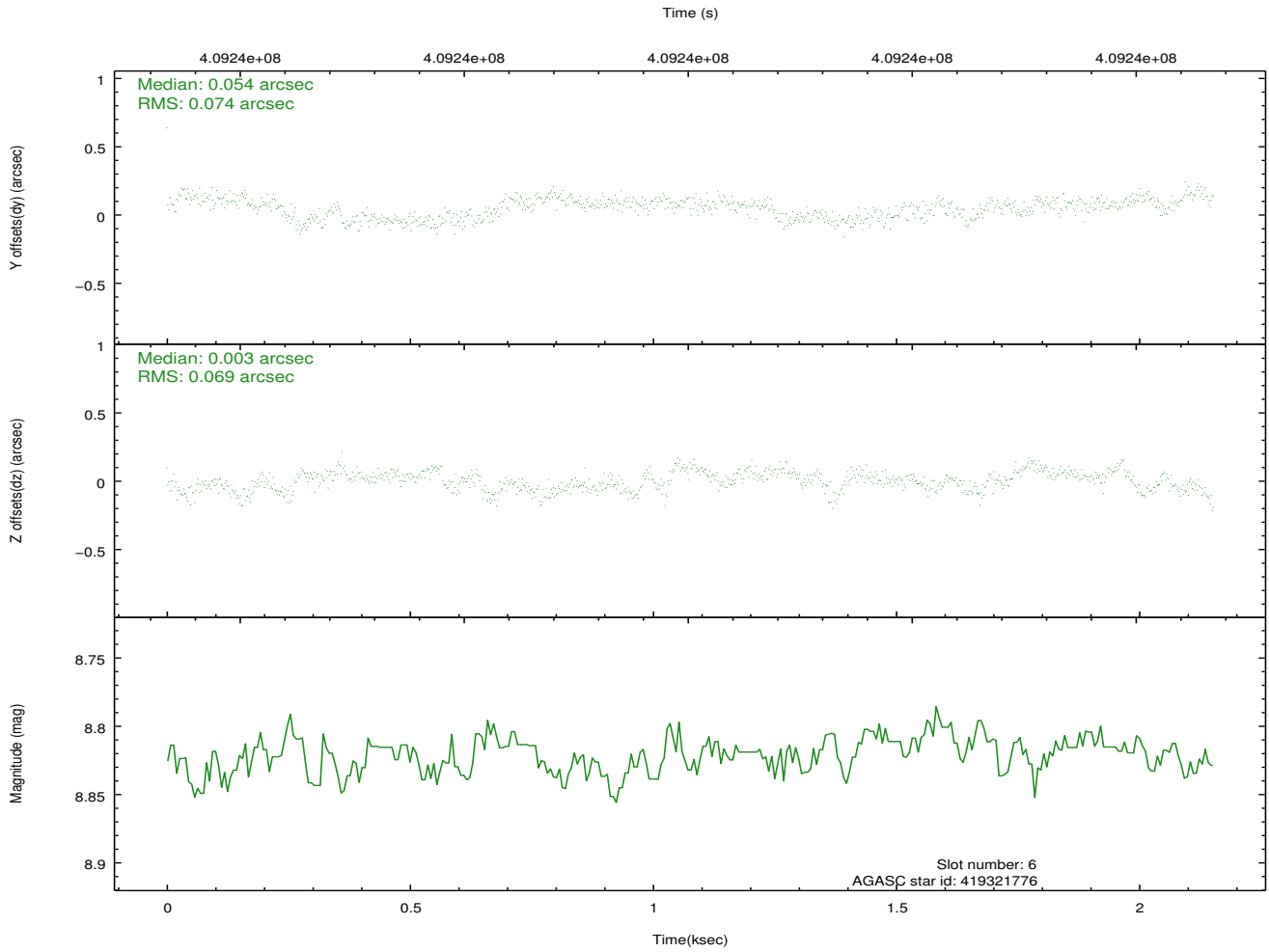
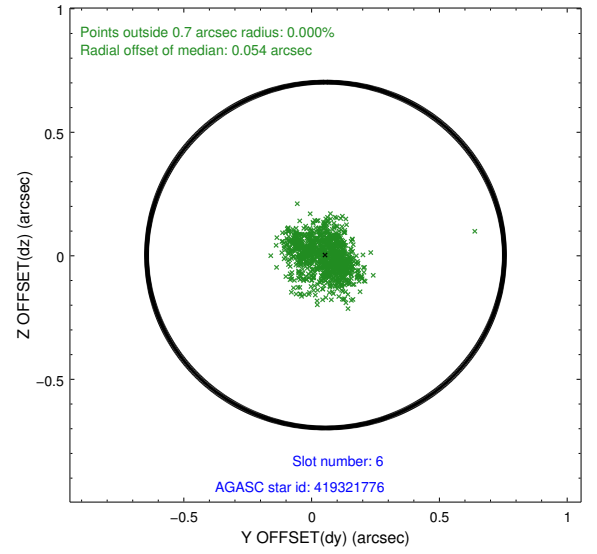
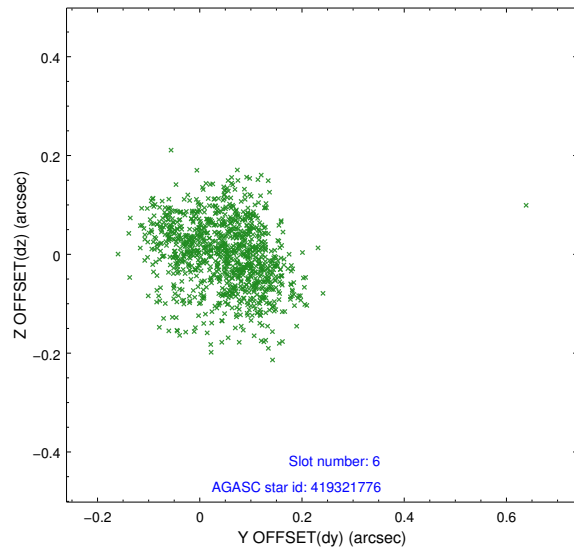
2.4.2 Slot 4



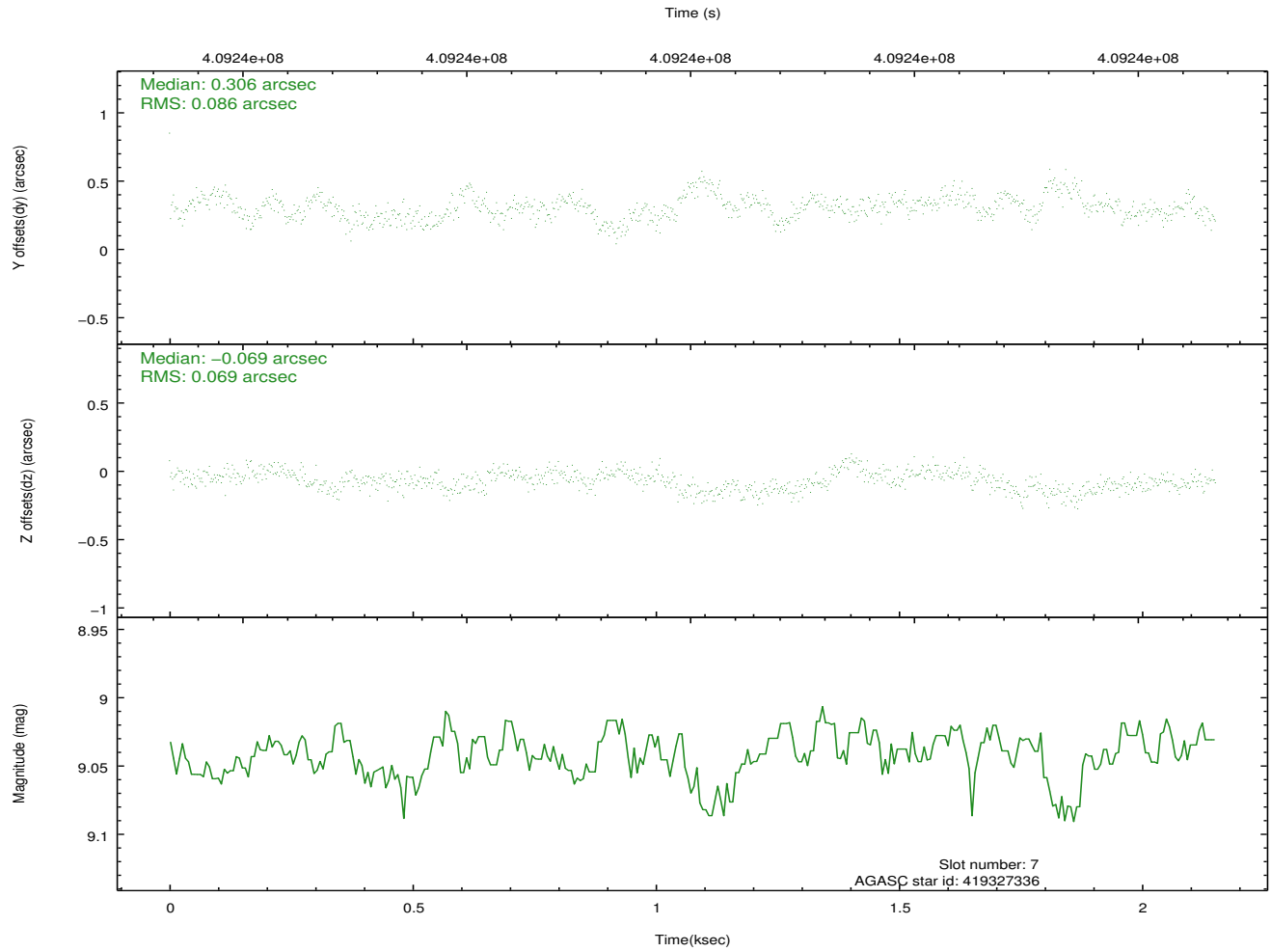
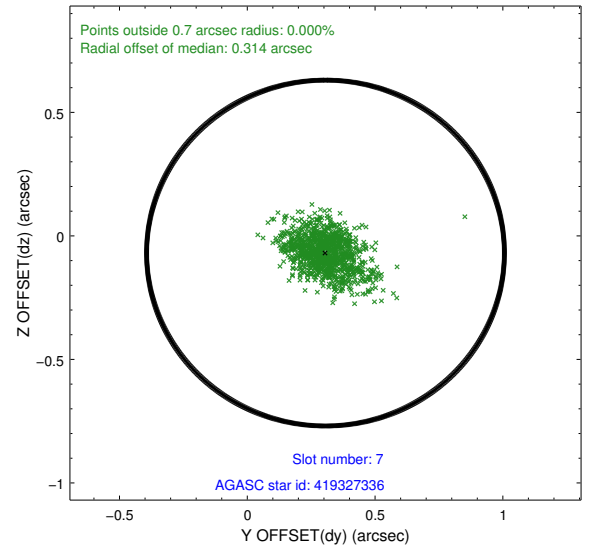
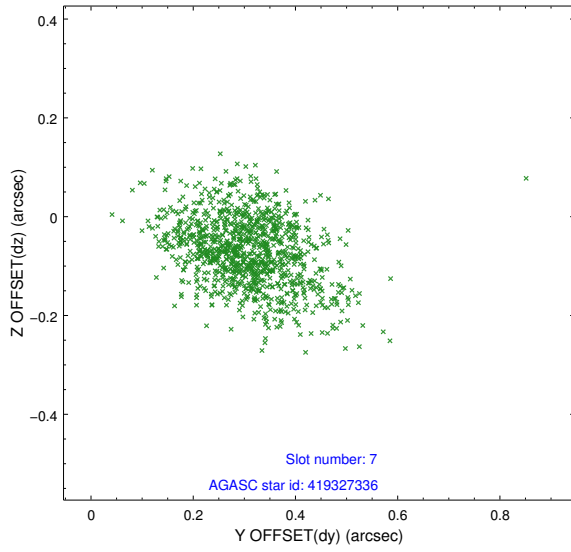
2.4.3 Slot 5



2.4.4 Slot 6

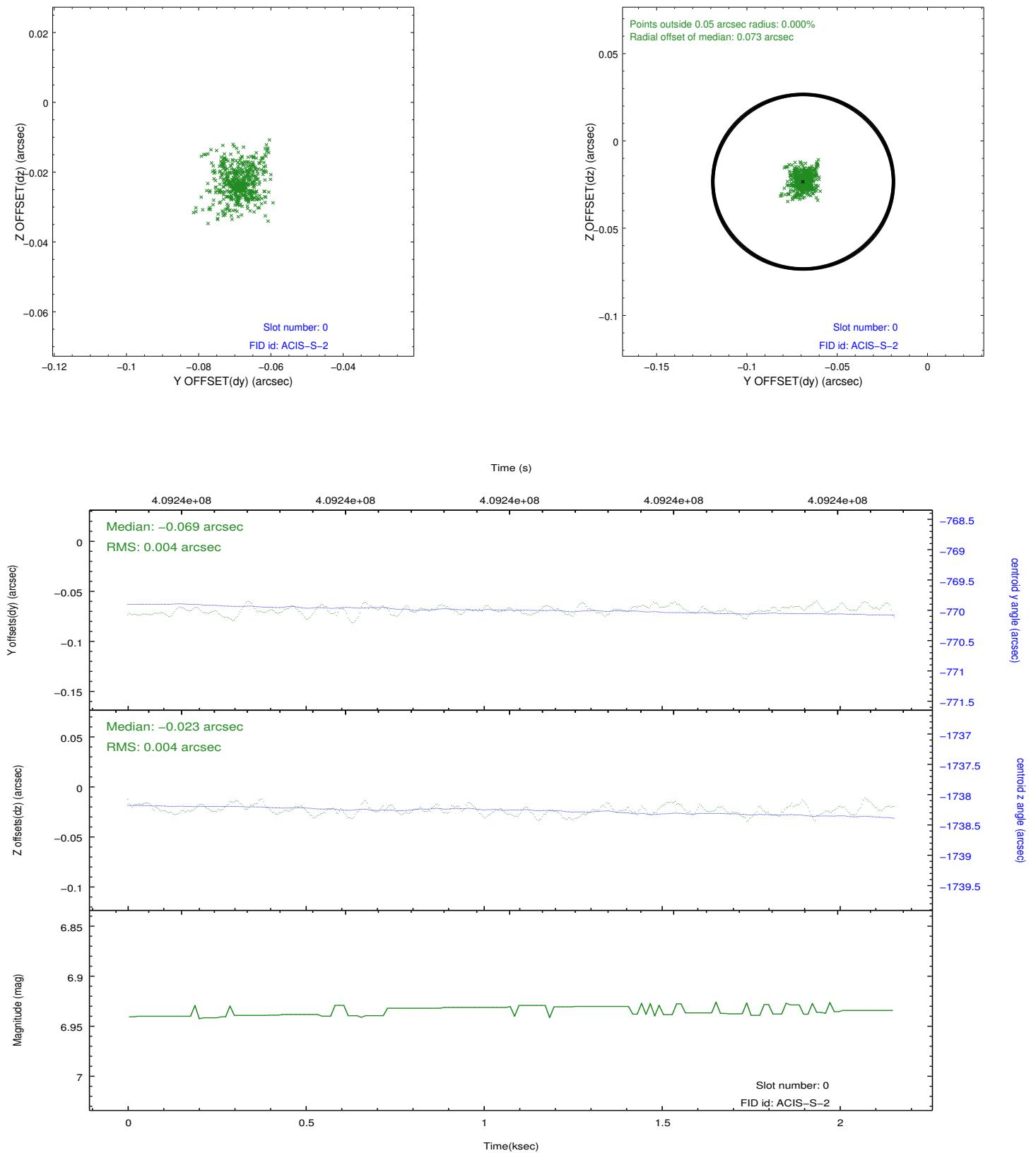


2.4.5 Slot 7

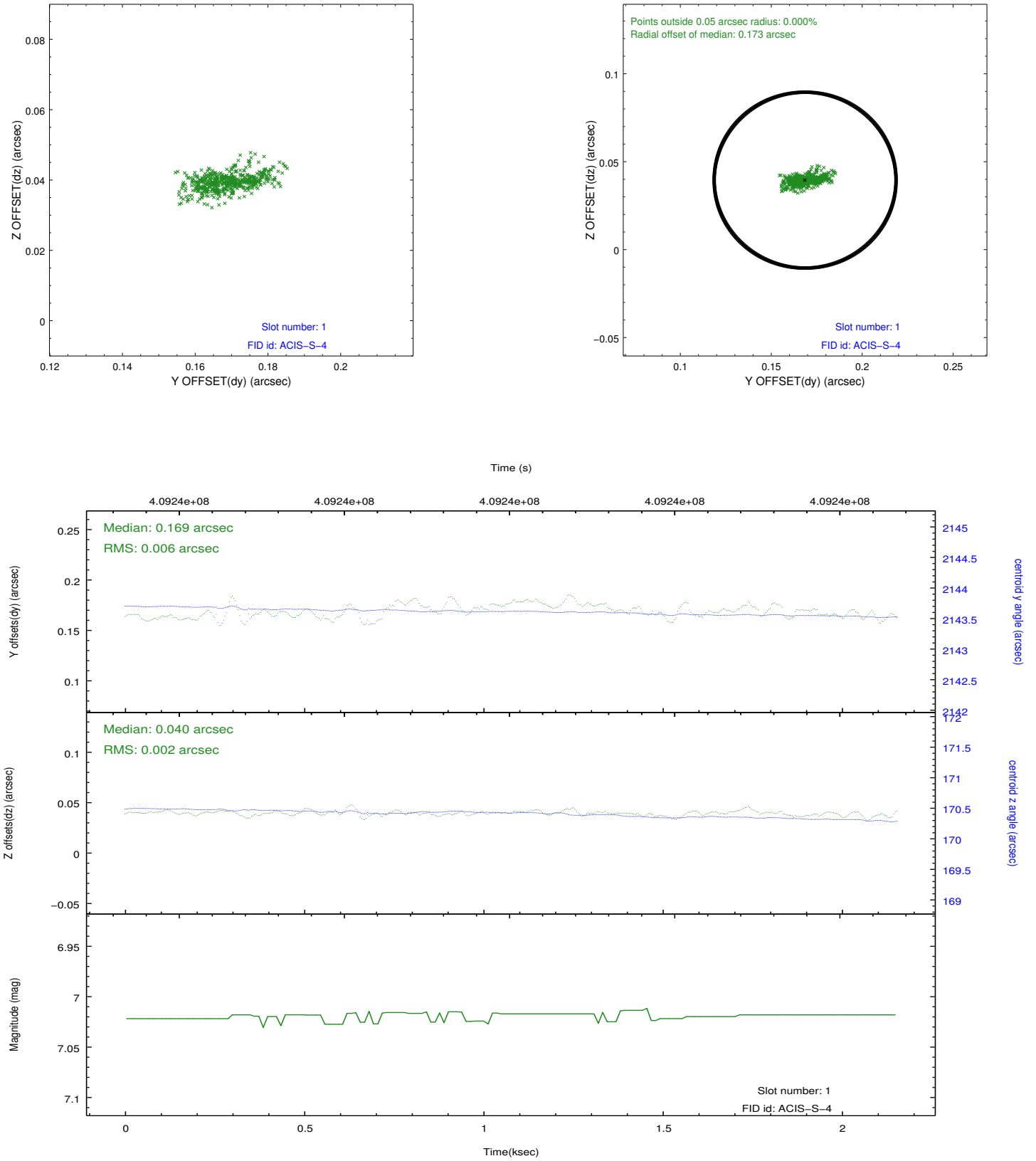


2.5 FID Slots

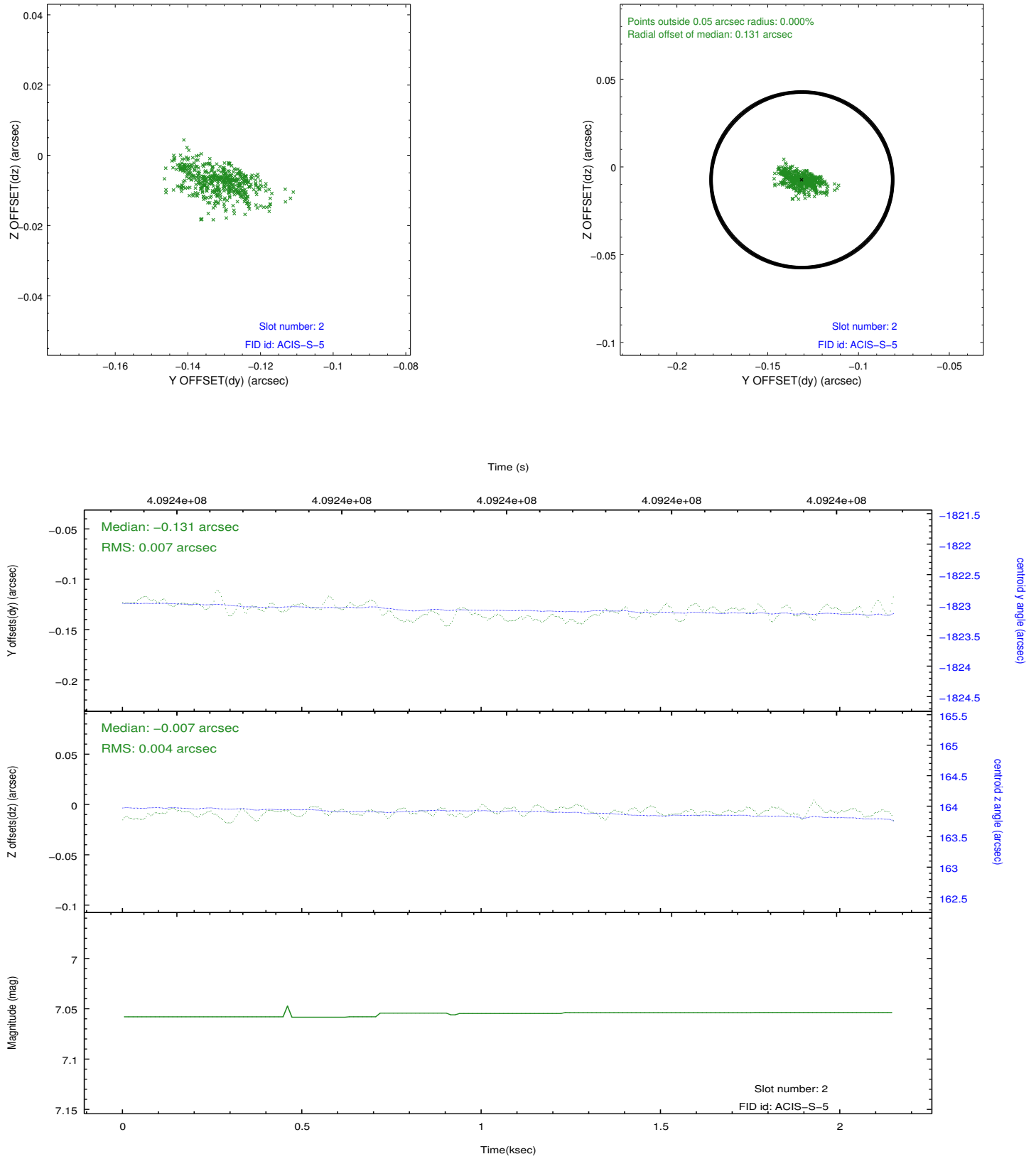
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0398000156879

A.2 Comments