

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7093 - L2 Version 2
Chandra X-Ray Center

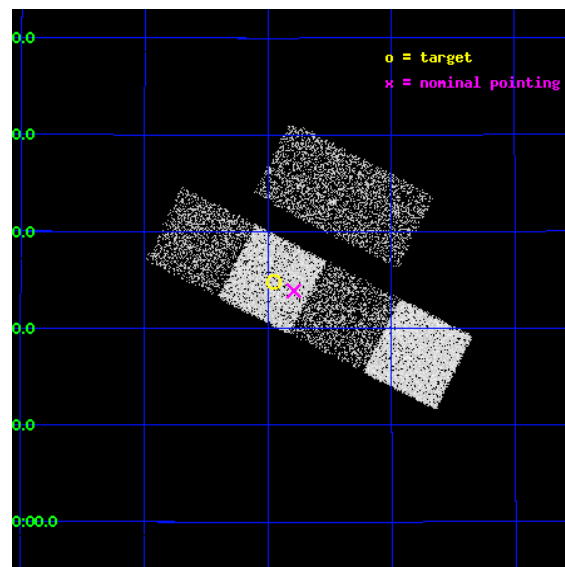
L2 Processing Date : Mar 29 2012

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1 Front

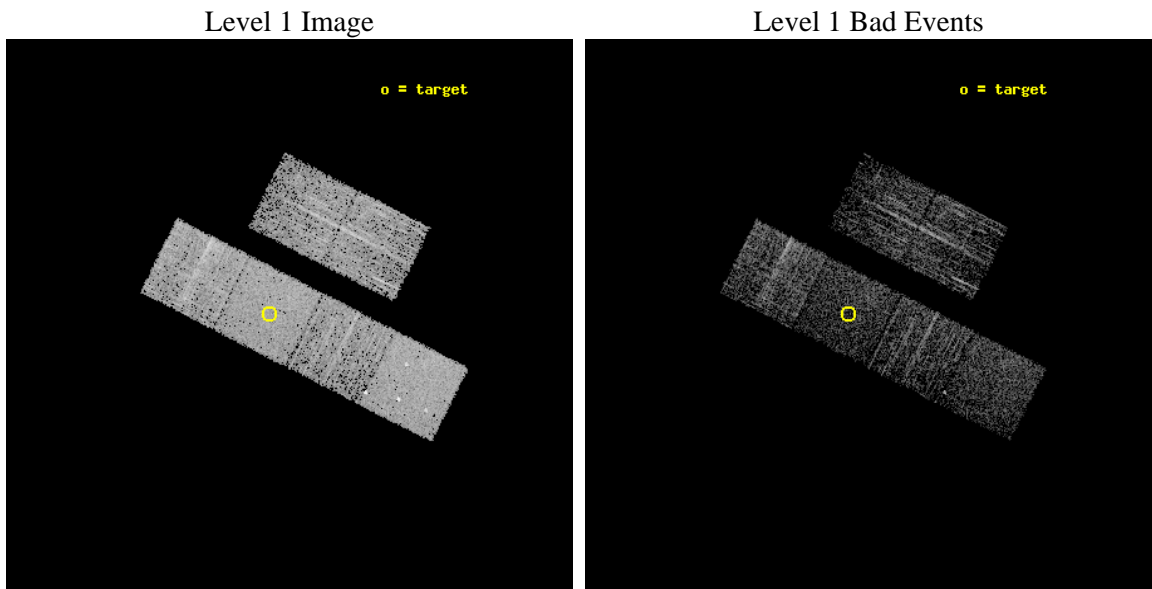
seq_num	600531	Sequence number
obs_id	7093	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4020	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.737083	Observer's specified target RA [deg]
dec_targ	30.413611	Observer's specified target Dec [deg]
ra_nom	179.69738299795	Nominal RA [deg]
dec_nom	30.398144638835	Nominal Dec [deg]
roll_nom	206.93964101474	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1758.9336775839	Sum of GTIs [s]
livetime	1736.6610002557	Livetime [s]
ontime2	1758.9747175872	Sum of GTIs [s]
ontime3	1758.810557574	Sum of GTIs [s]
ontime5	1758.8926375806	Sum of GTIs [s]
ontime6	1758.8515975773	Sum of GTIs [s]
ontime7	1758.9336775839	Sum of GTIs [s]
ontime8	1752.2875271142	Sum of GTIs [s]
l2events	26898	Number of level 2 events



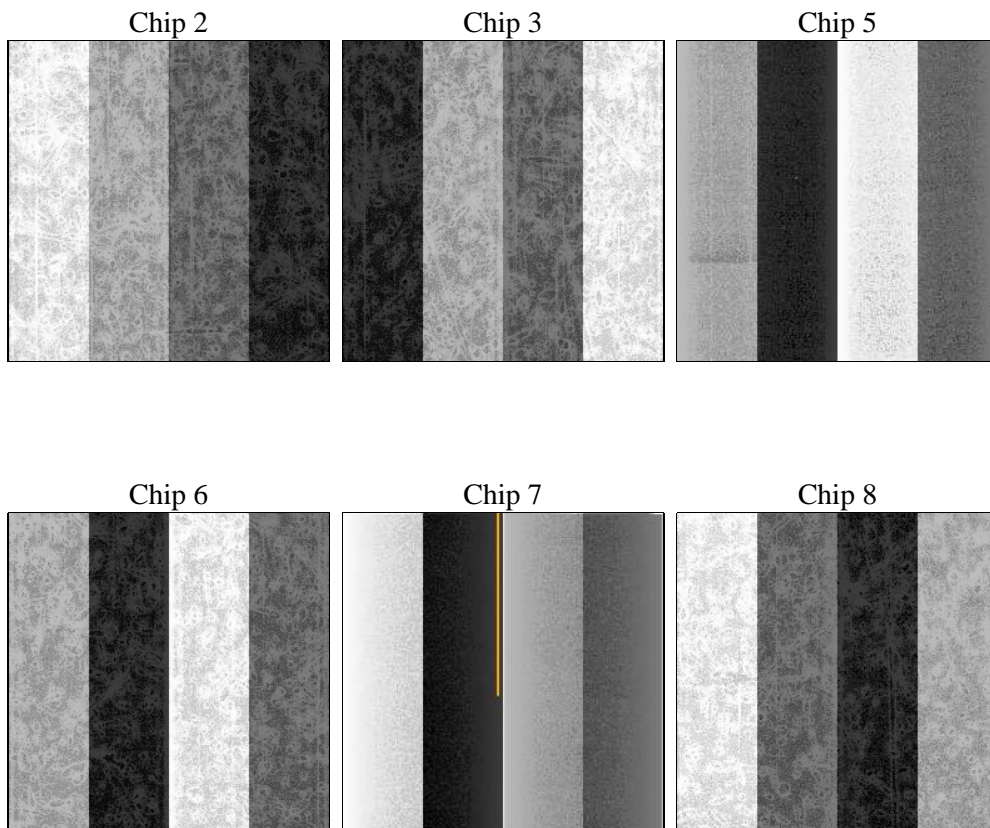
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1999.744000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1758.9336775839	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	1758.9747175872	Sum of GTIs [s]
date	2012-03-29T13:28:36	Date and time of file creation	ontime3	1758.810557574	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1758.8926375806	Sum of GTIs [s]
			ontime6	1758.8515975773	Sum of GTIs [s]
			ontime7	1758.9336775839	Sum of GTIs [s]
			ontime8	1752.2875271142	Sum of GTIs [s]
			l1events	119173	Number of level 1 events

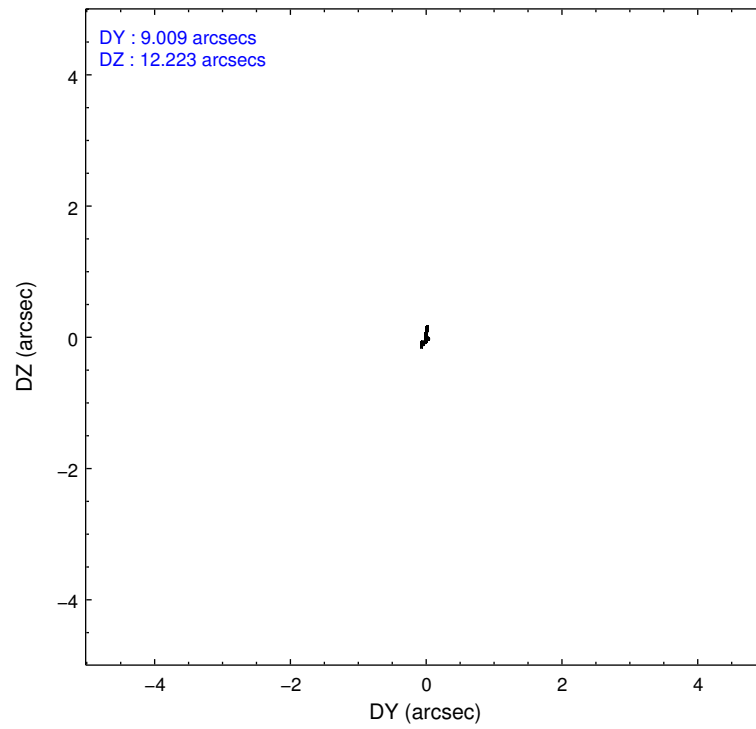
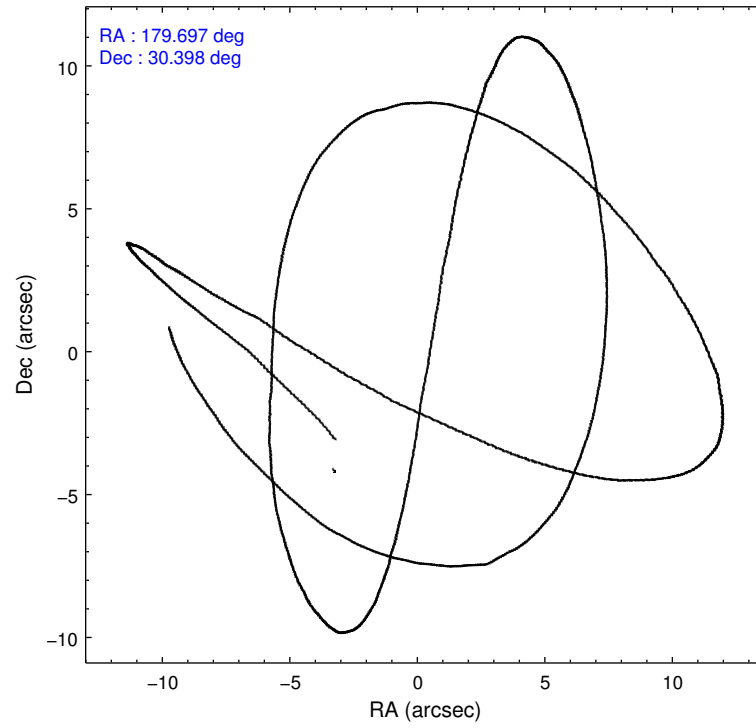
2.1.4 Events

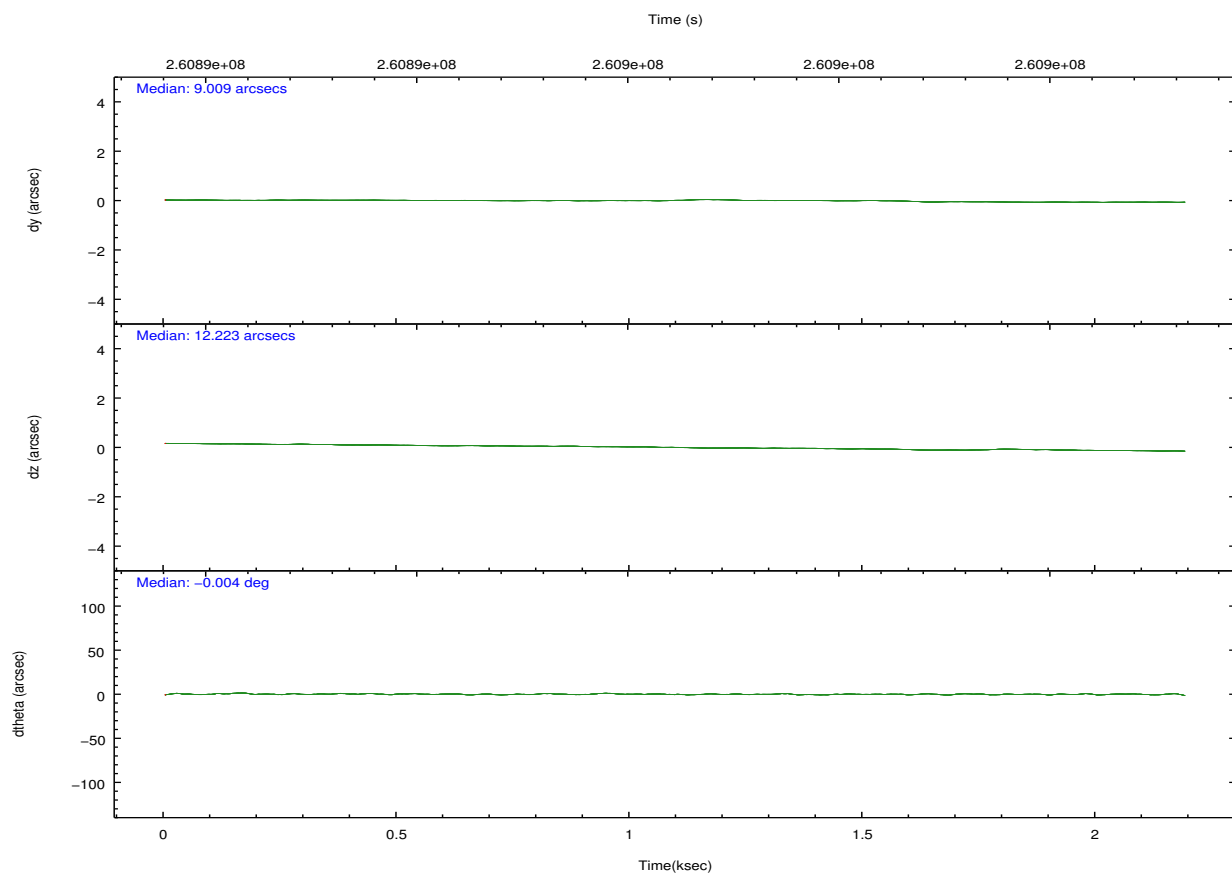
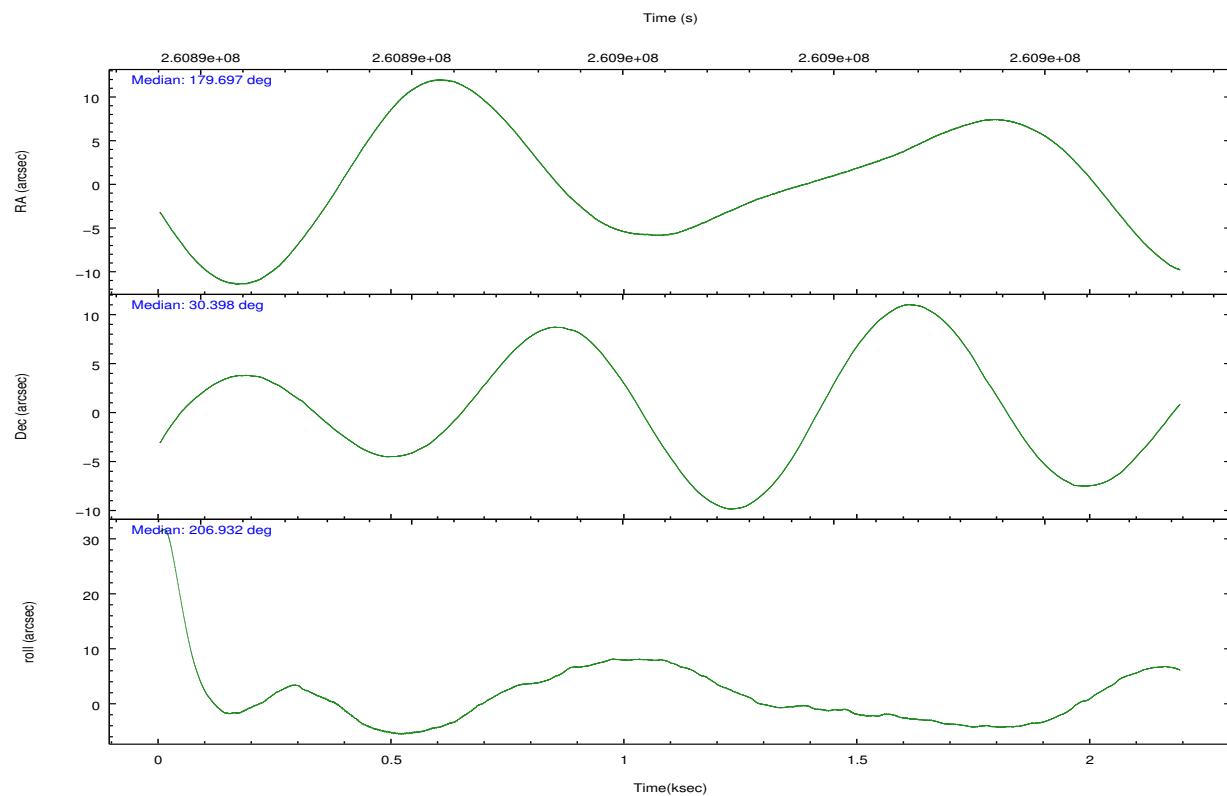
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17831	15780	24819	16332	21462	22949	grade 0 events	1035	1014	1439	936	816	1483
rejected events	15745	13689	12906	14279	12176	18844		5%	6%	5%	5%	3%	6%
rejected %	88%	86%	52%	87%	56%	82%	grade 1 events	12	11	53	5	22	21
								0%	0%	0%	0%	0%	0%
							grade 2 events	407	392	3480	409	1831	889
								2%	2%	14%	2%	8%	3%
							grade 3 events	178	177	409	182	799	453
								0%	1%	1%	1%	3%	1%
							grade 4 events	154	193	416	159	835	401
								0%	1%	1%	0%	3%	1%
							grade 5 events	608	719	1798	753	2038	875
								3%	4%	7%	4%	9%	3%
							grade 6 events	313	320	6184	373	5022	886
								1%	2%	24%	2%	23%	3%
							grade 7 events	15124	12954	11040	13515	10099	17941
								84%	82%	44%	82%	47%	78%

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	179.714408	179.6973829979527	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.421295	30.39814463883473	Alternating exposures requested	N	N
[deg] Pointing Roll	206.774154	206.9396410147403	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	260894211.184000	260893650.39514			
Observation start date	2006-04-08T14:35:46	2006-04-08T14:27:30			
[s] Observation end time (MET)	260896210.184000	260896437.88277			
Observation end date	2006-04-08T15:09:05	2006-04-08T15:13:57			
Read mode	TIMED	TIMED			

2.3 Aspect



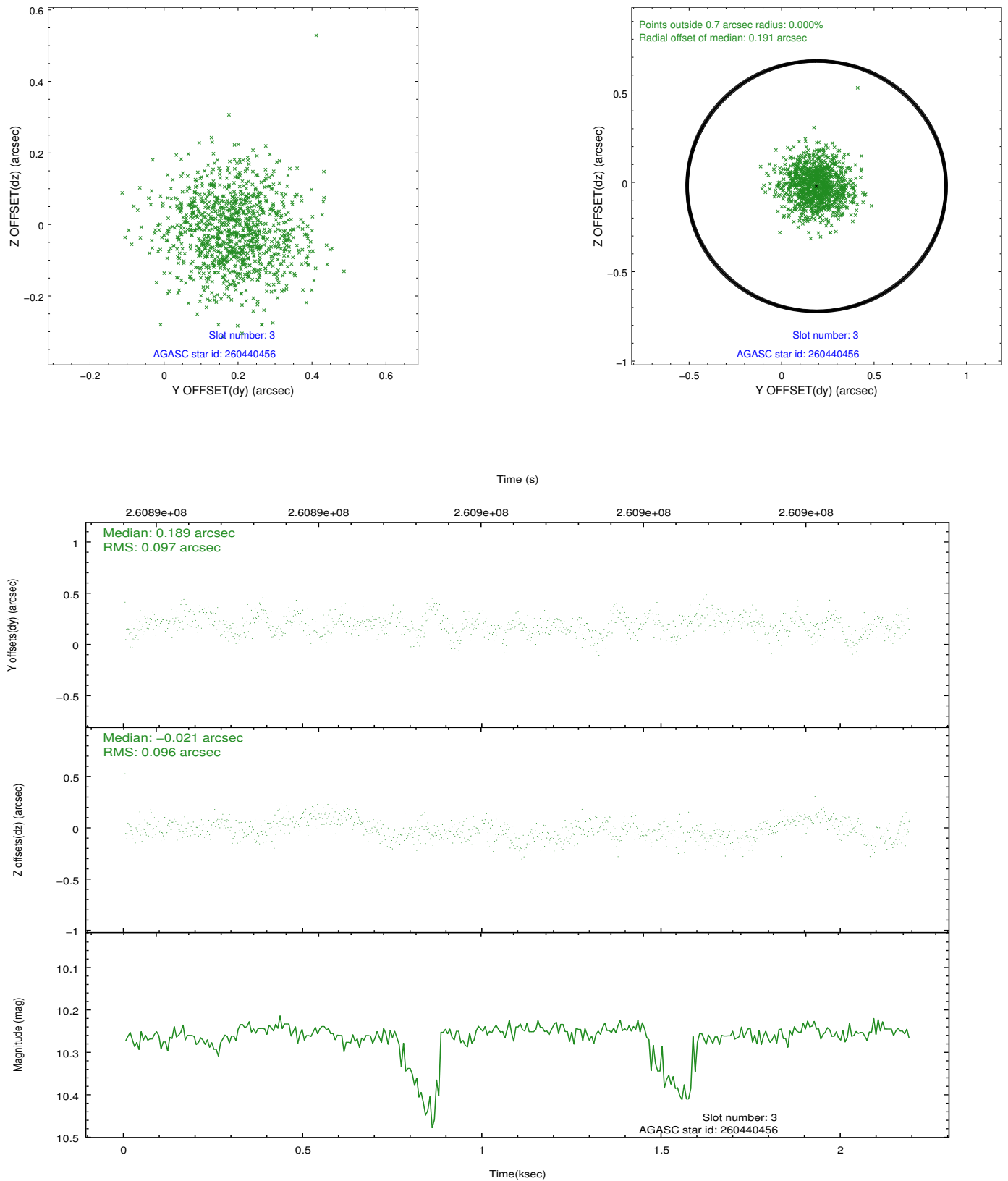


Slot Statistics

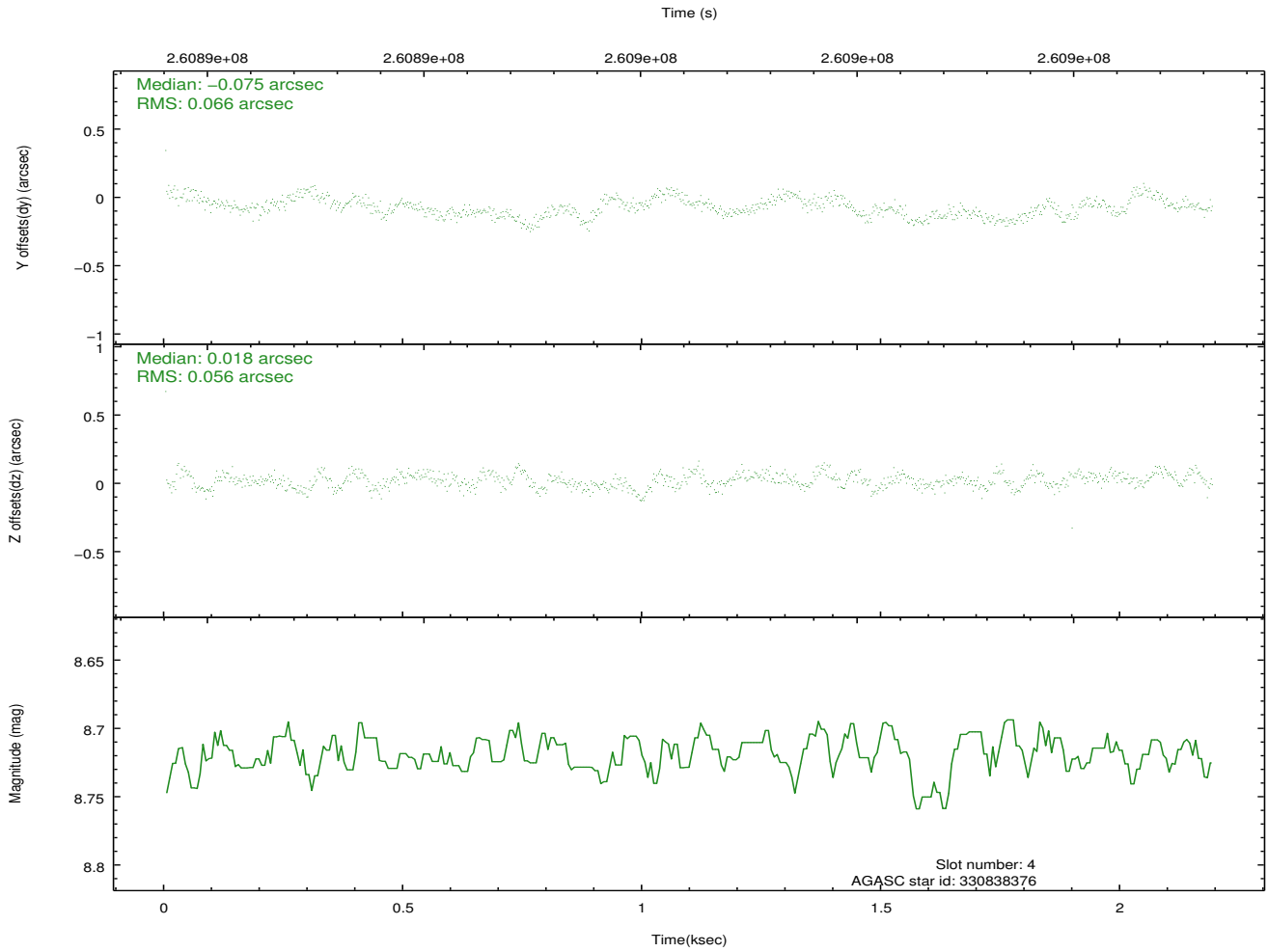
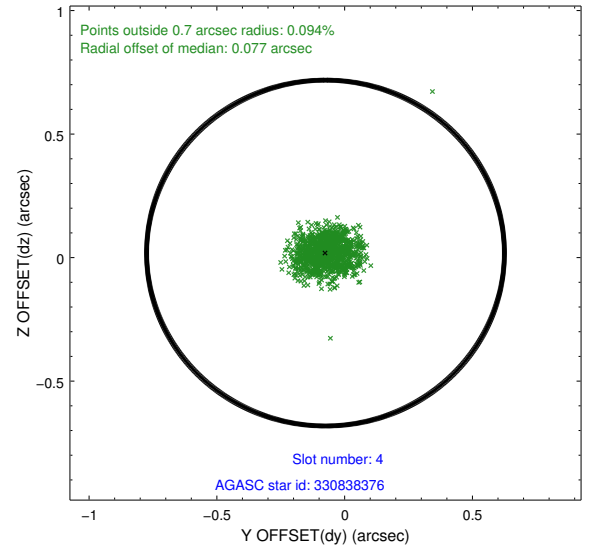
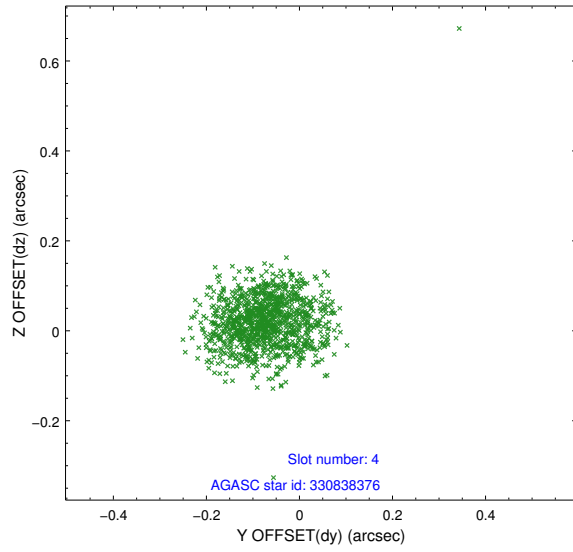
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	535	-0.060	-0.034	0.006	0.012	0.000000	0.000000	-761.88	-1733.51
1	FID	ACIS-S-4	7.21	535	0.071	0.028	0.007	0.011	0.000000	0.000000	2150.19	171.93
2	FID	ACIS-S-6	7.35	535	-0.039	0.014	0.008	0.012	0.000000	0.000000	403.97	812.71
3	GUIDE	260440456	10.26	1062	0.189	-0.021	0.146	0.238	179.566693	29.775828	1458.40	1866.79
4	GUIDE	330838376	8.72	1066	-0.075	0.018	0.091	0.143	179.706493	31.132157	-1129.63	-2293.68
5	GUIDE	330839160	9.78	1069	0.145	0.034	0.140	0.231	179.745775	30.798014	-698.67	-1168.66
6	GUIDE	330841744	9.83	1064	-0.082	0.164	0.126	0.193	179.166259	30.742879	989.99	-1801.85
7	GUIDE	331221200	7.99	1068	-0.176	-0.192	0.065	0.106	180.304750	30.638303	-1985.37	120.10

2.4 Star Slots

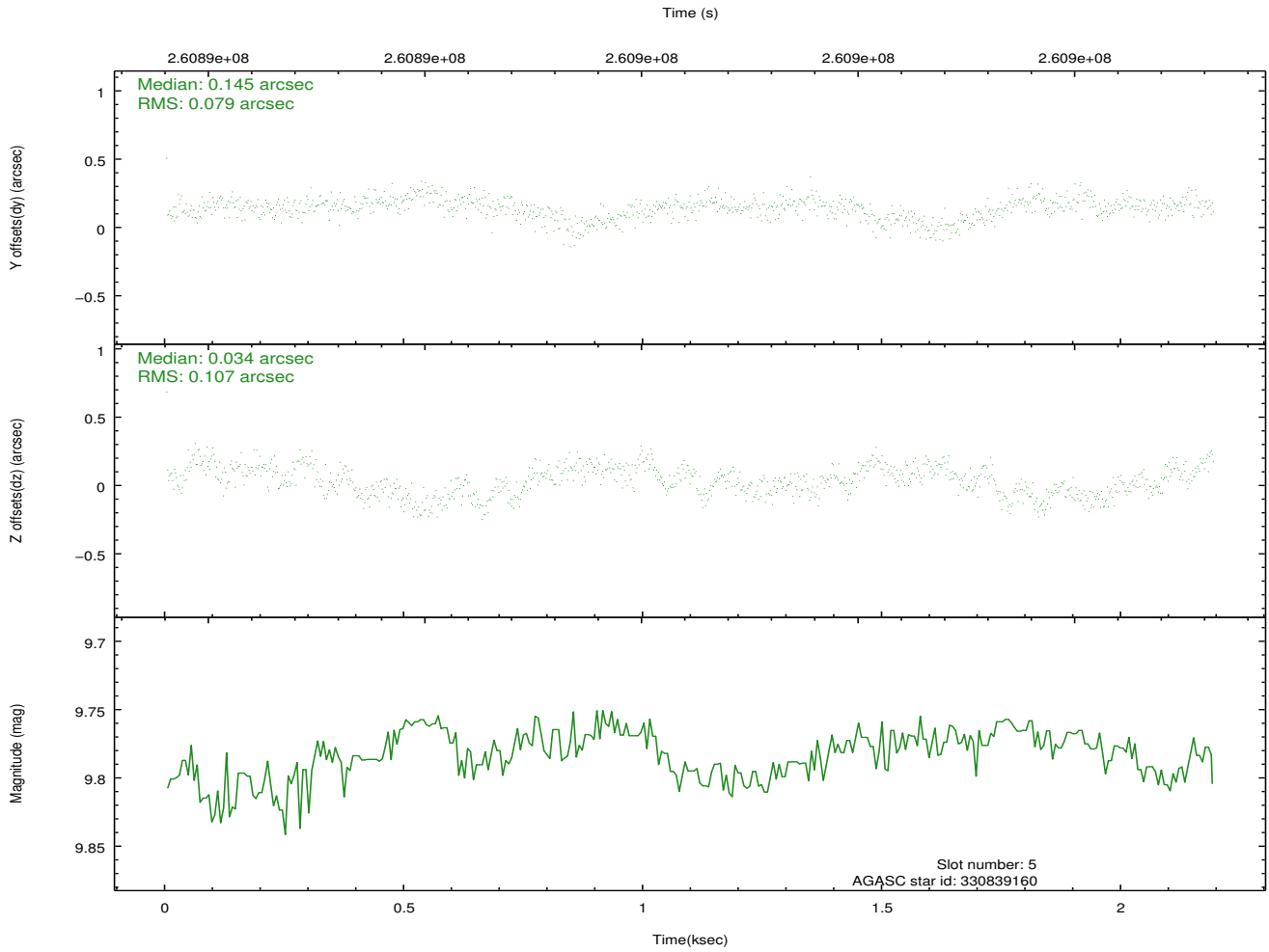
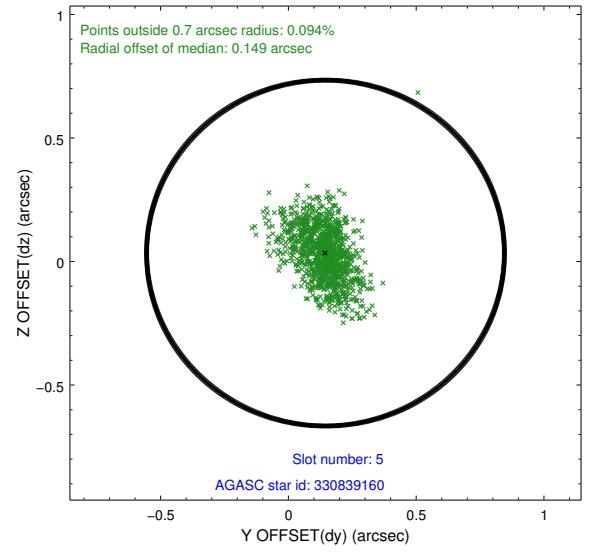
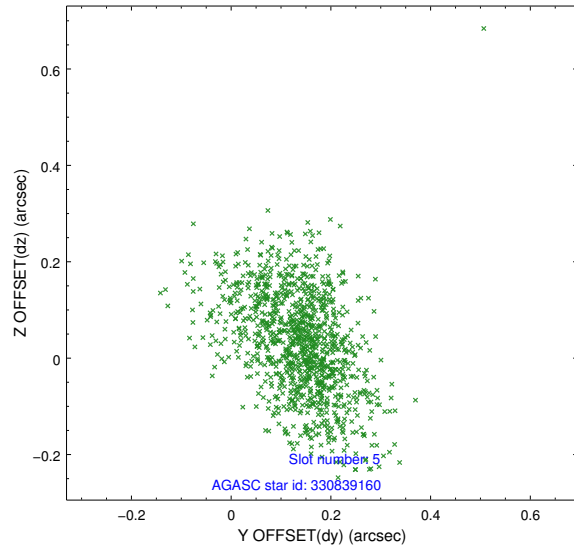
2.4.1 Slot 3



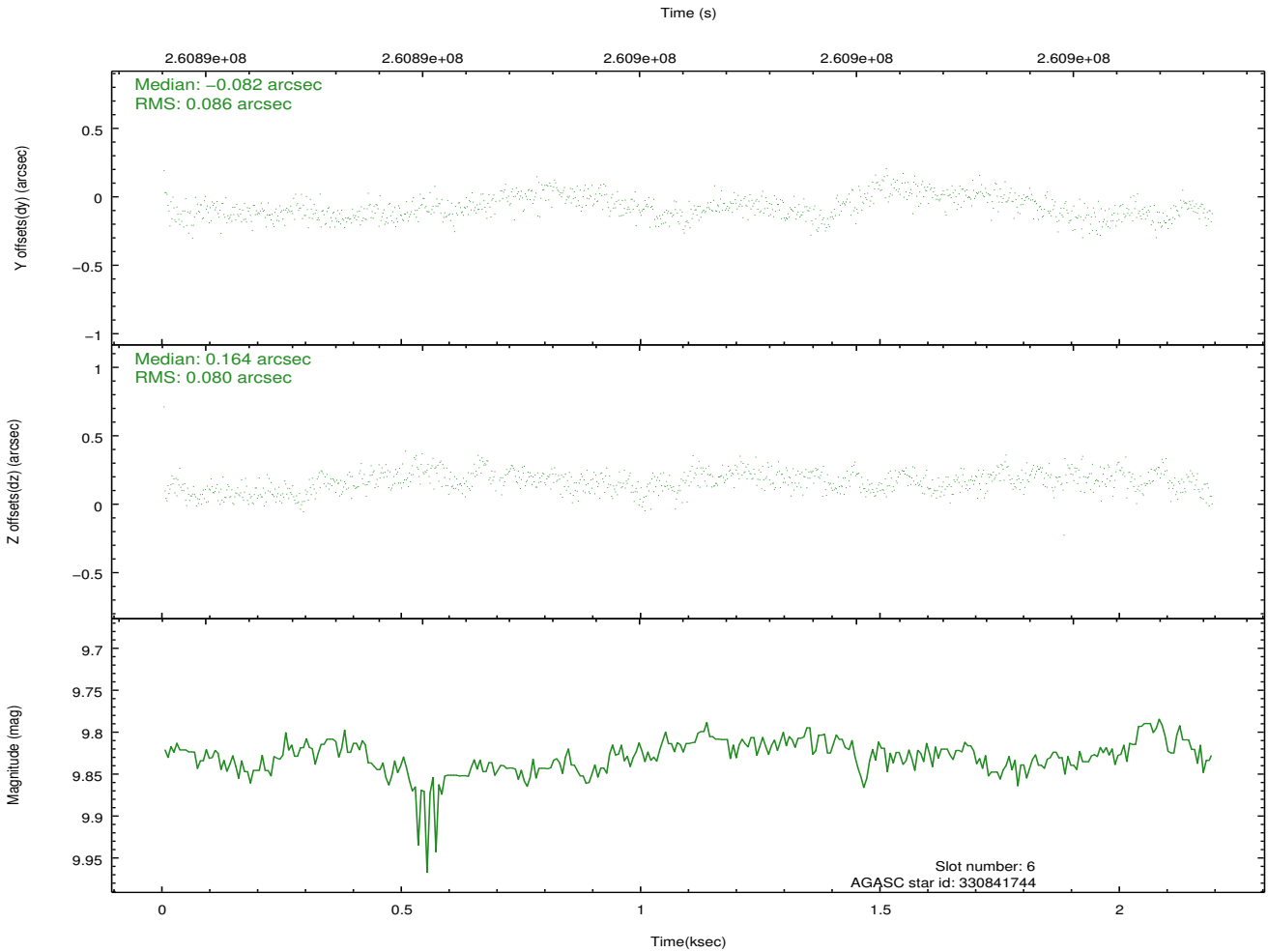
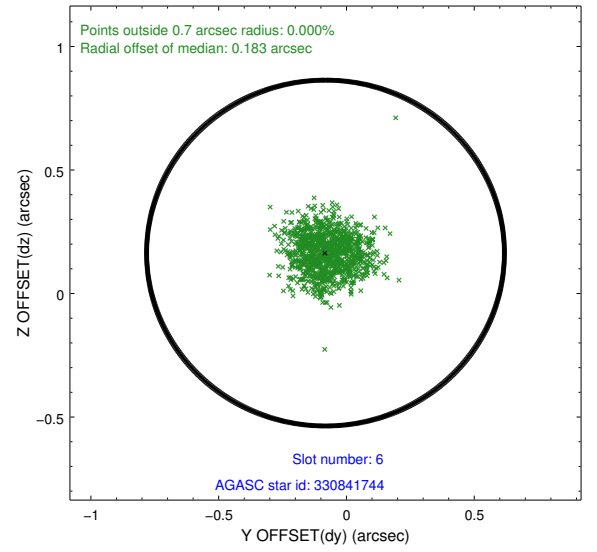
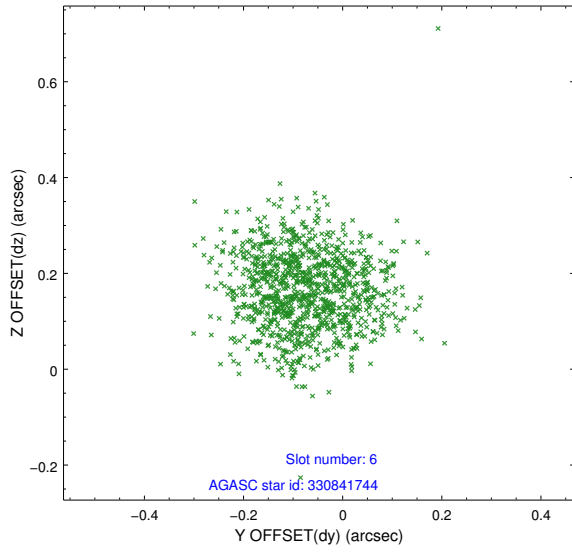
2.4.2 Slot 4



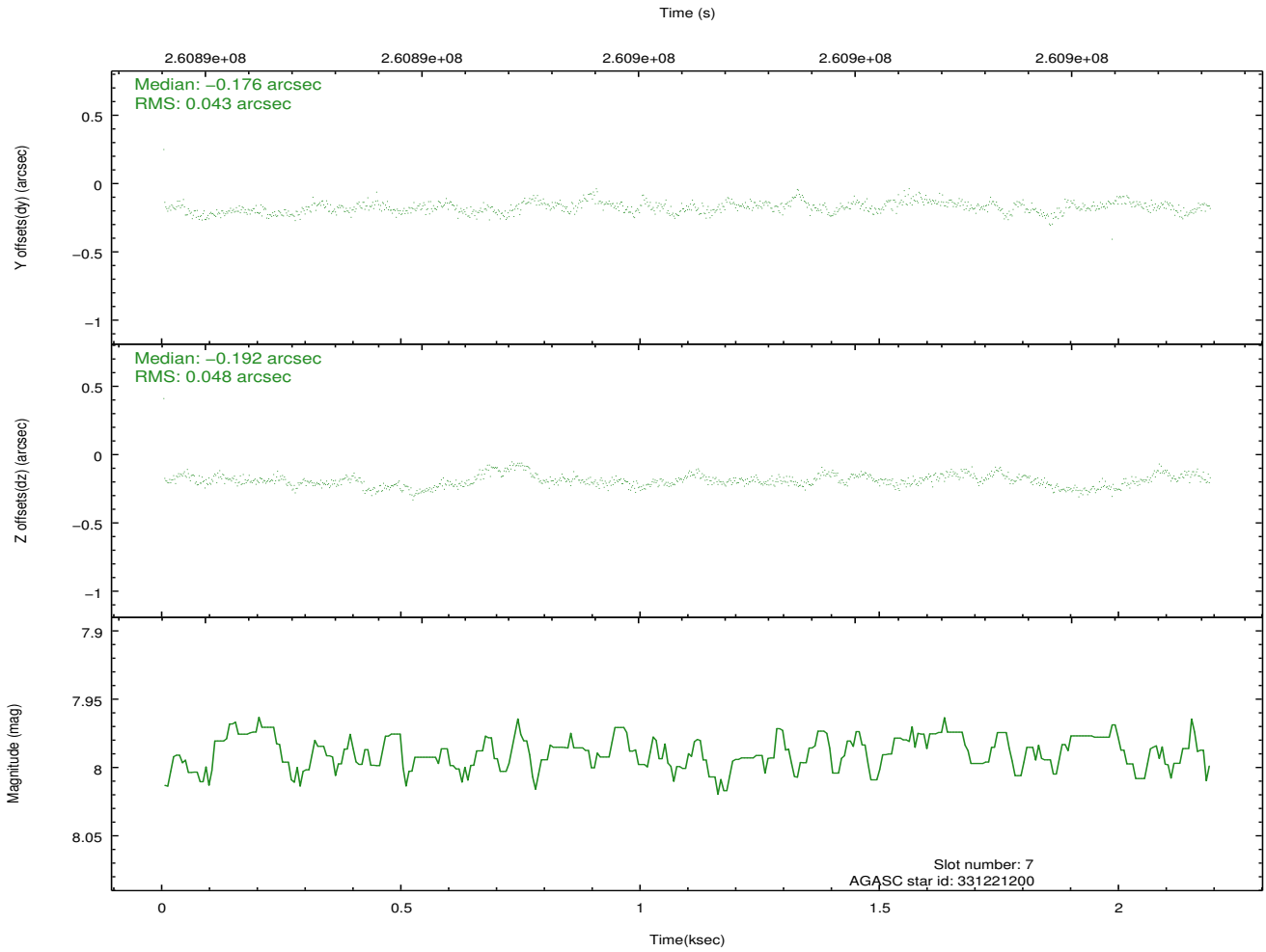
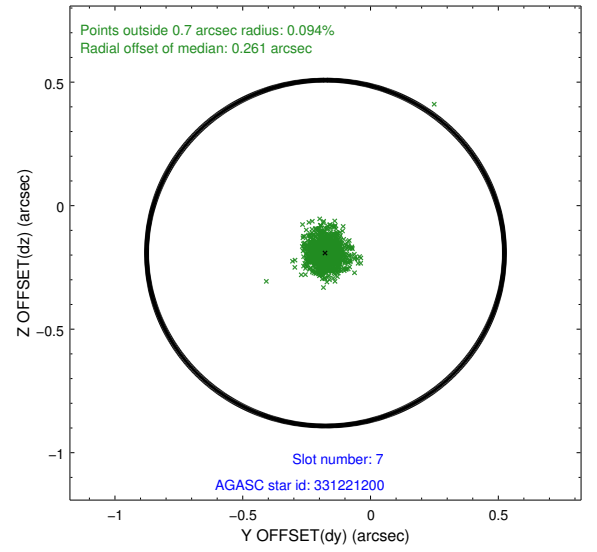
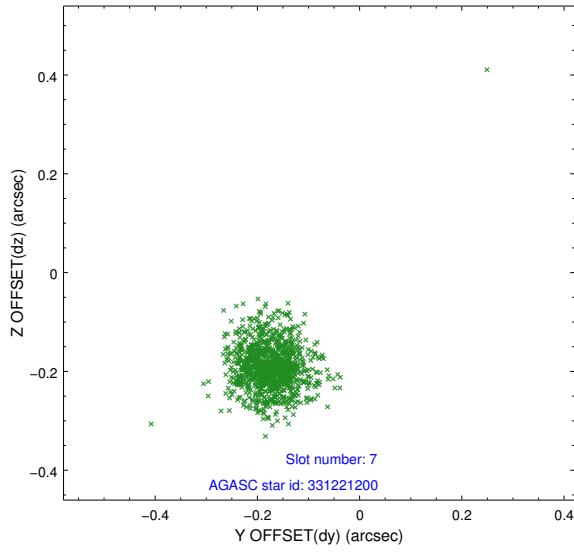
2.4.3 Slot 5



2.4.4 Slot 6

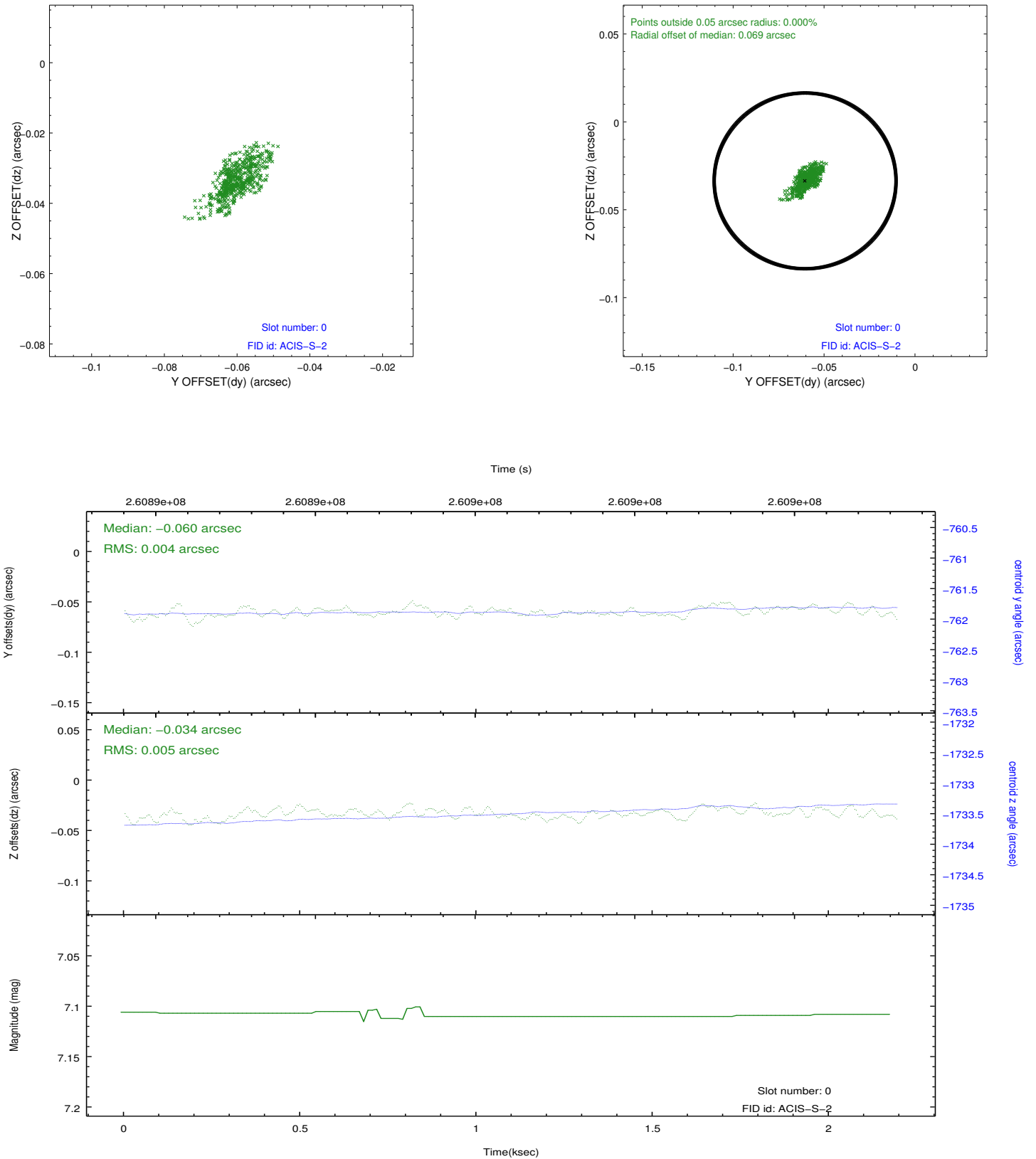


2.4.5 Slot 7

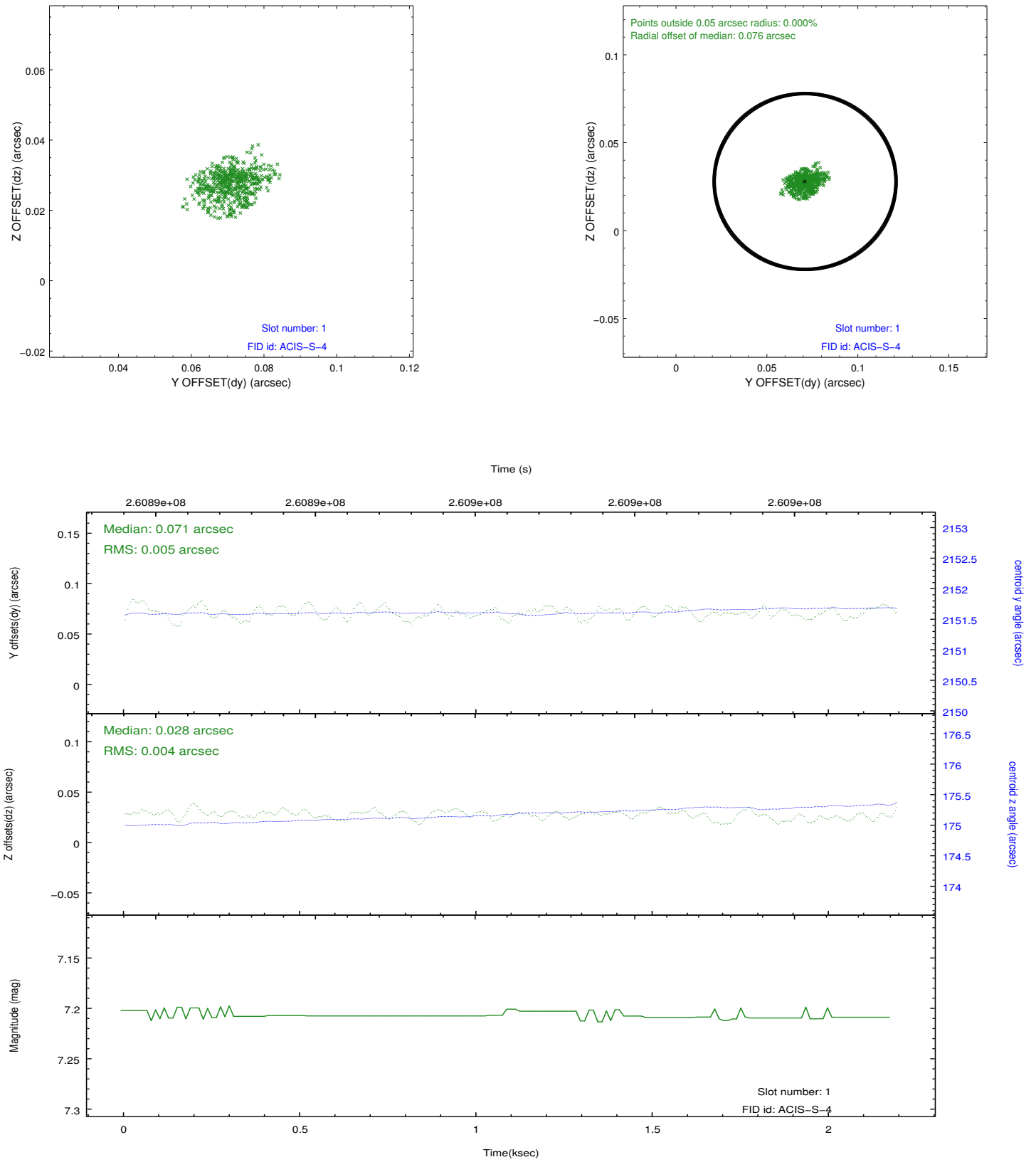


2.5 FID Slots

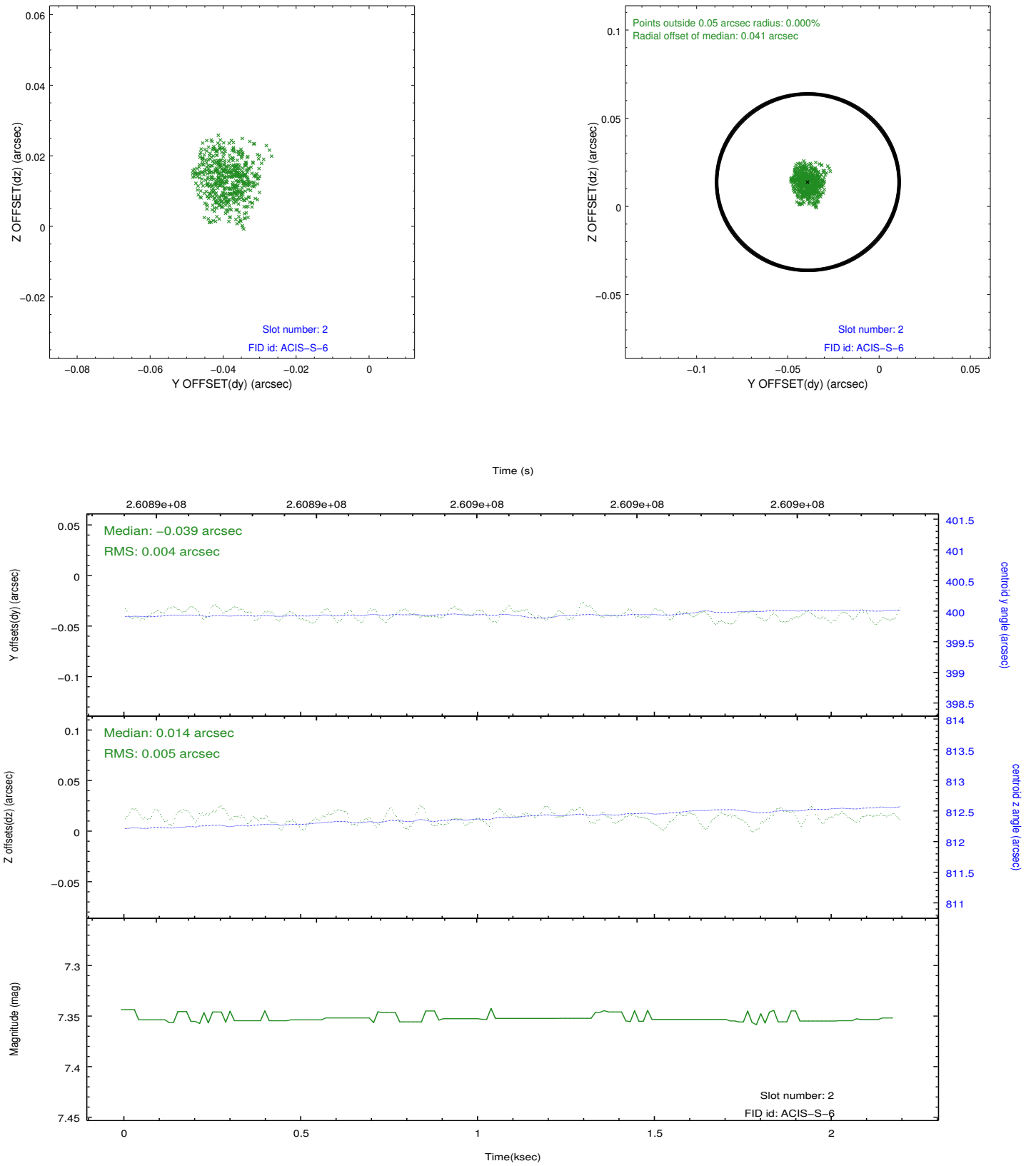
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.75999999

A.2 Comments