

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7719 - L2 Version 2
Chandra X-Ray Center

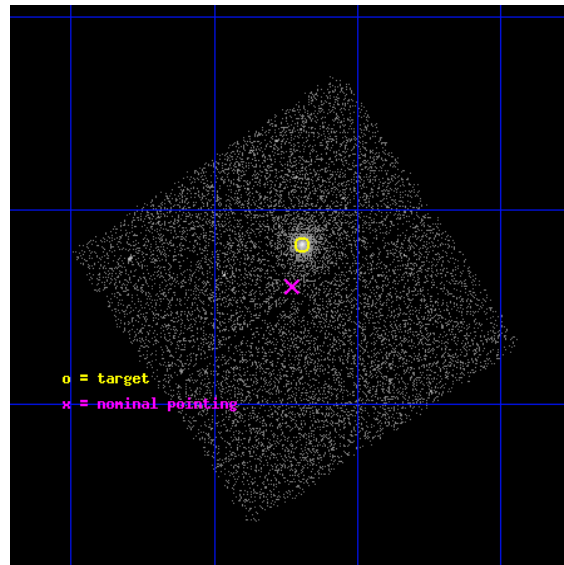
L2 Processing Date : Apr 14 2012

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1 Front

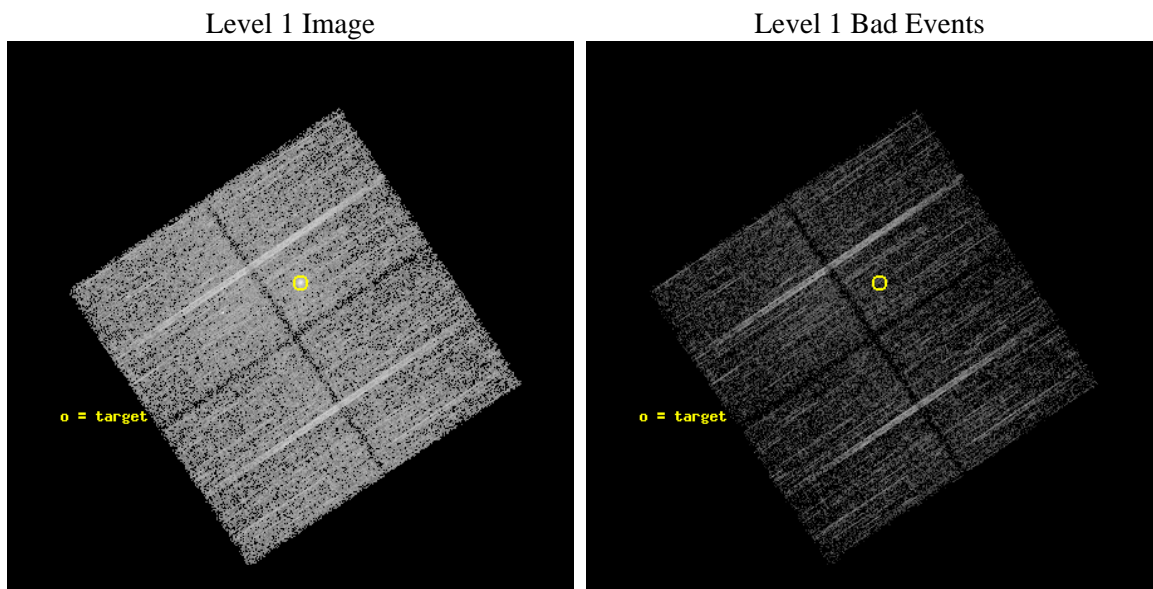
seq_num	701387	Sequence number
obs_id	7719	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	MACS0329.7-0212	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.423333	Observer's specified target RA [deg]
dec_targ	-2.196389	Observer's specified target Dec [deg]
ra_nom	52.432315306509	Nominal RA [deg]
dec_nom	-2.2326033924103	Nominal Dec [deg]
roll_nom	326.34841868477	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7182.7000552416	Sum of GTIs [s]
livetime	7088.852791193	Livetime [s]
ontime0	7179.5590649247	Sum of GTIs [s]
ontime1	7182.7000552416	Sum of GTIs [s]
ontime2	7182.7000552416	Sum of GTIs [s]
ontime3	7182.7000552416	Sum of GTIs [s]
l2events	14675	Number of level 2 events



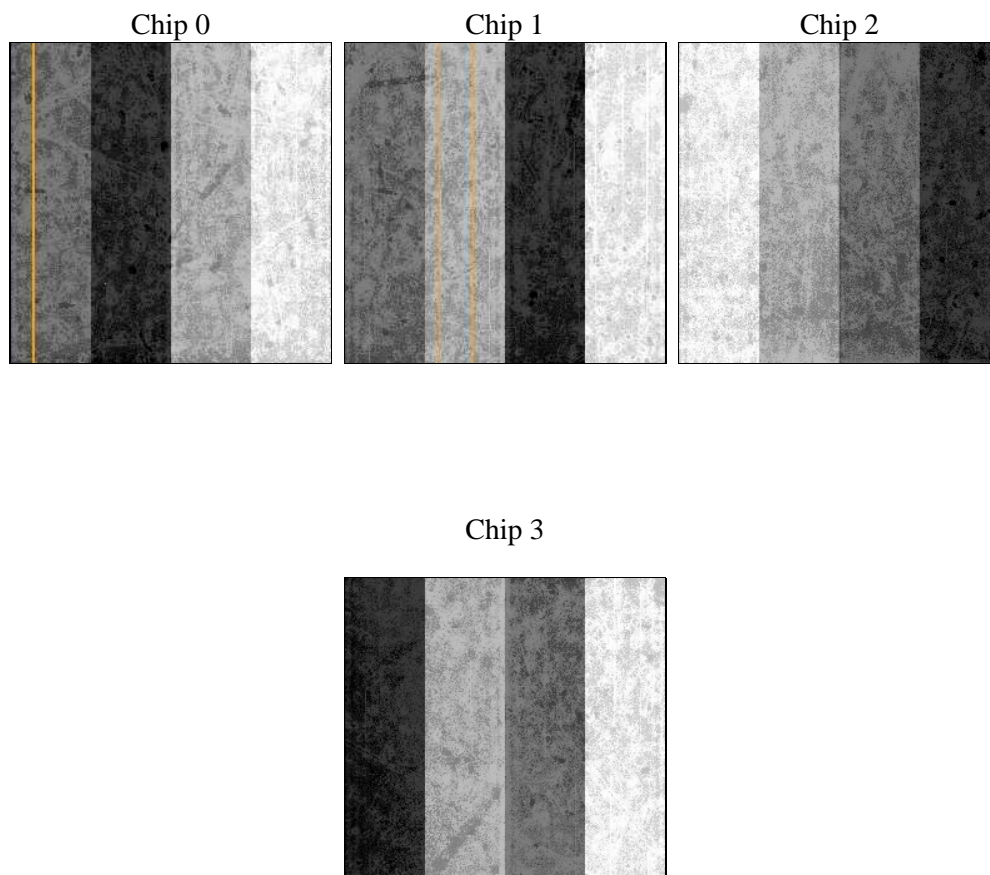
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	7182.7000552416	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	7179.5590649247	Sum of GTIs [s]
date	2012-04-14T16:53:42	Date and time of file creation	ontime1	7182.7000552416	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7182.7000552416	Sum of GTIs [s]
			ontime3	7182.7000552416	Sum of GTIs [s]
			l1events	200391	Number of level 1 events

2.1.4 Events

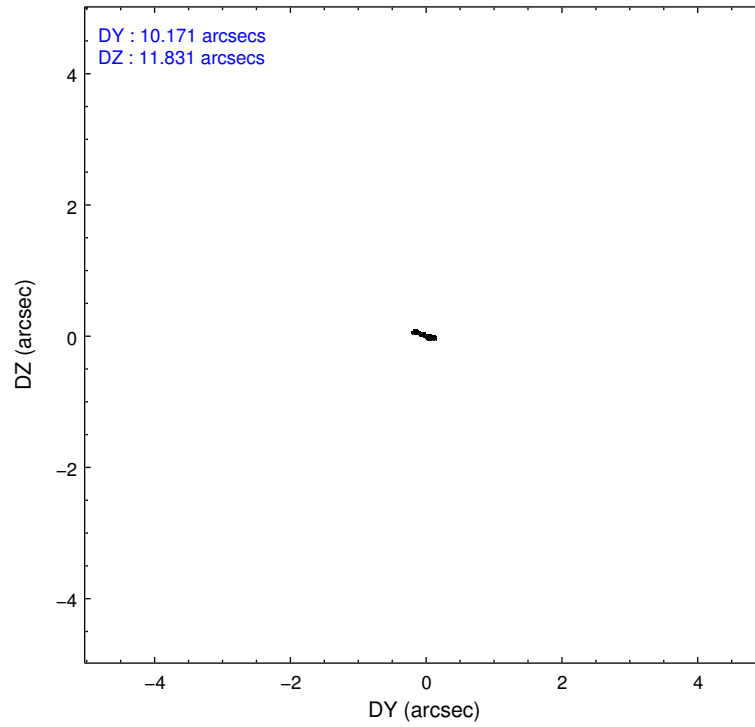
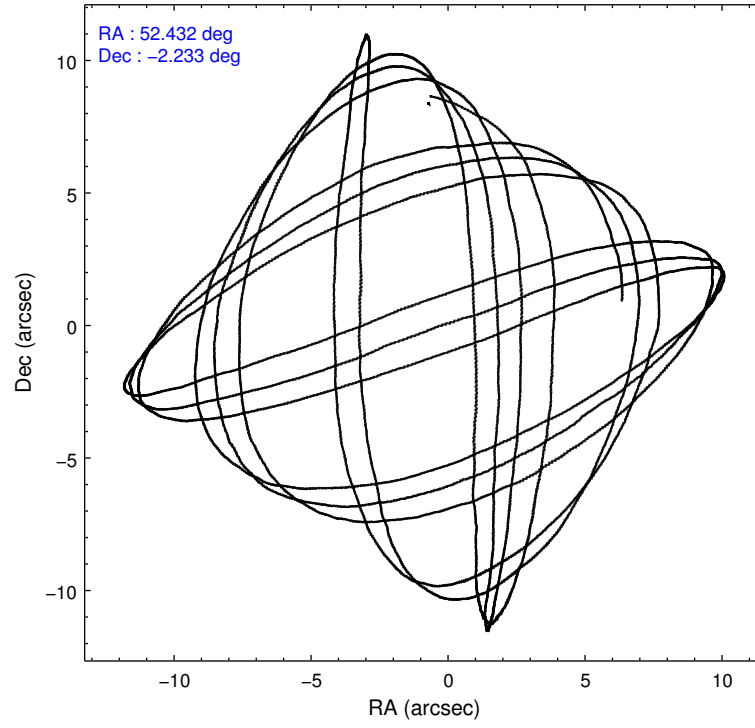
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	47742	45443	54339	52867
rejected events	43768	41250	50090	47035
rejected %	91%	90%	92%	88%

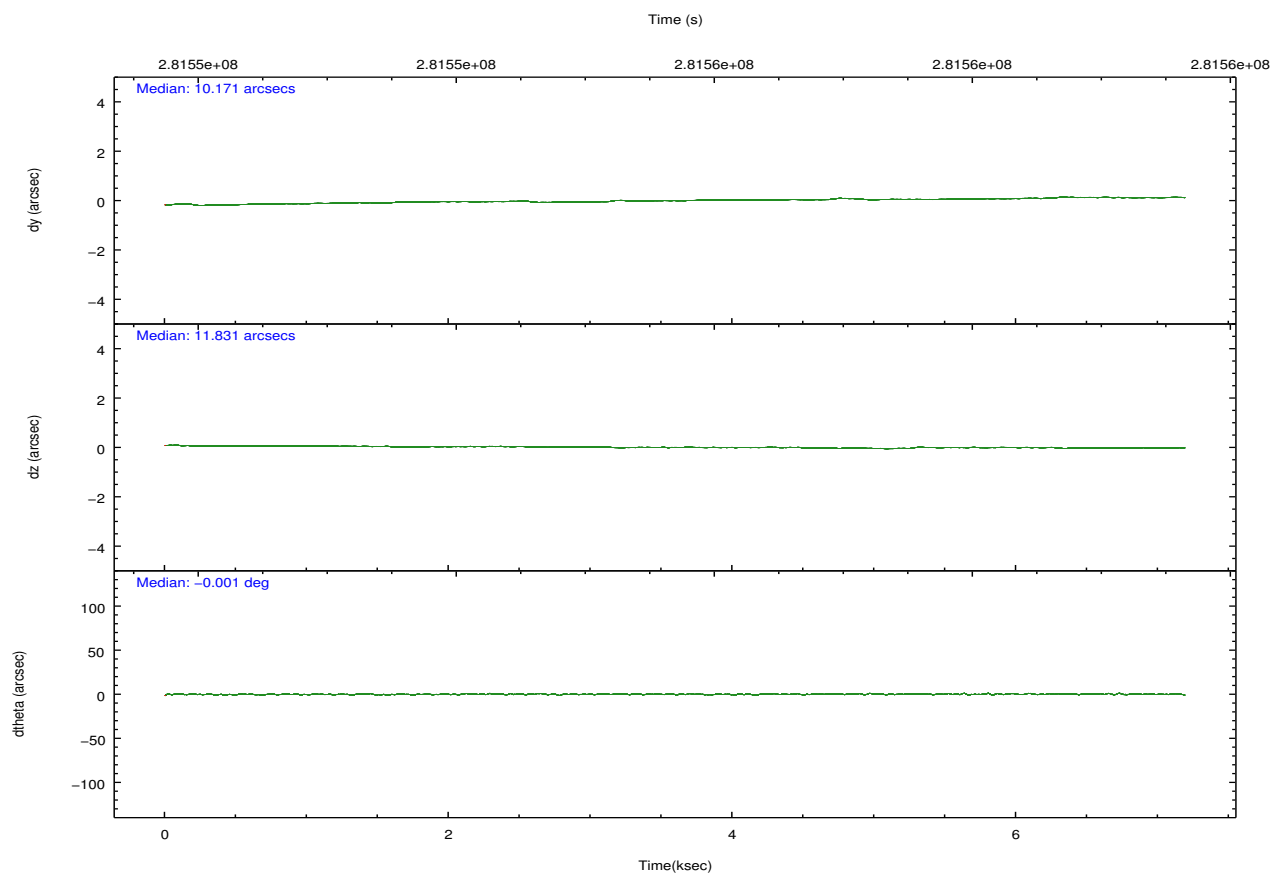
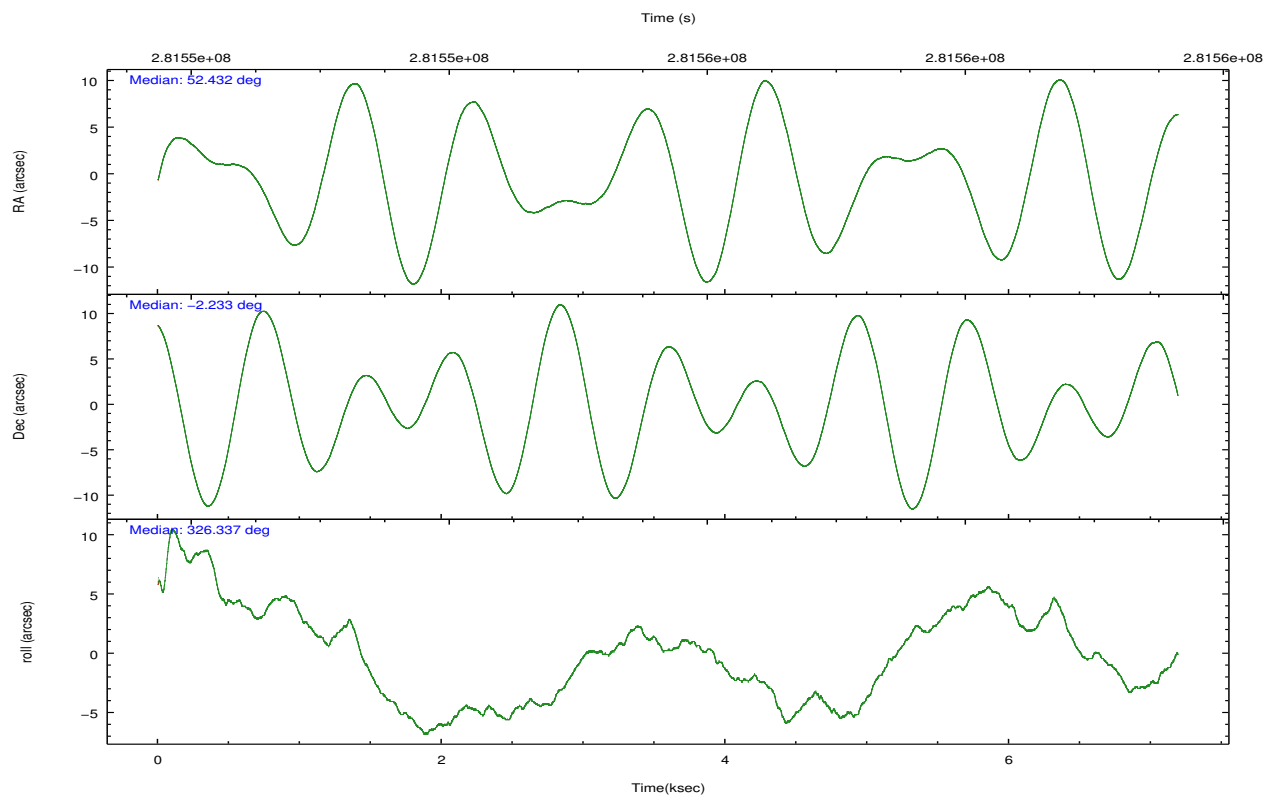
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1543	1642	1799	3345
	3%	3%	3%	6%
grade 1 events	31	29	35	27
	0%	0%	0%	0%
grade 2 events	963	909	988	957
	2%	2%	1%	1%
grade 3 events	477	475	440	489
	0%	1%	0%	0%
grade 4 events	439	495	460	447
	0%	1%	0%	0%
grade 5 events	768	881	698	974
	1%	1%	1%	1%
grade 6 events	579	697	587	634
	1%	1%	1%	1%
grade 7 events	42942	40315	49332	45994
	89%	88%	90%	86%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	52.404907	52.43231530650886	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.231007	-2.232603392410281	Alternating exposures requested	N	N
[deg] Pointing Roll	326.138656	326.3484186847654	[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)	281552291.184000	281551250.23936			
Observation start date	2006-12-03T16:57:06	2006-12-03T16:40:50			
[s] Observation end time (MET)	281559291.184000	281560068.31478			
Observation end date	2006-12-03T18:53:46	2006-12-03T19:07:48			
Read mode	TIMED	TIMED			

2.3 Aspect



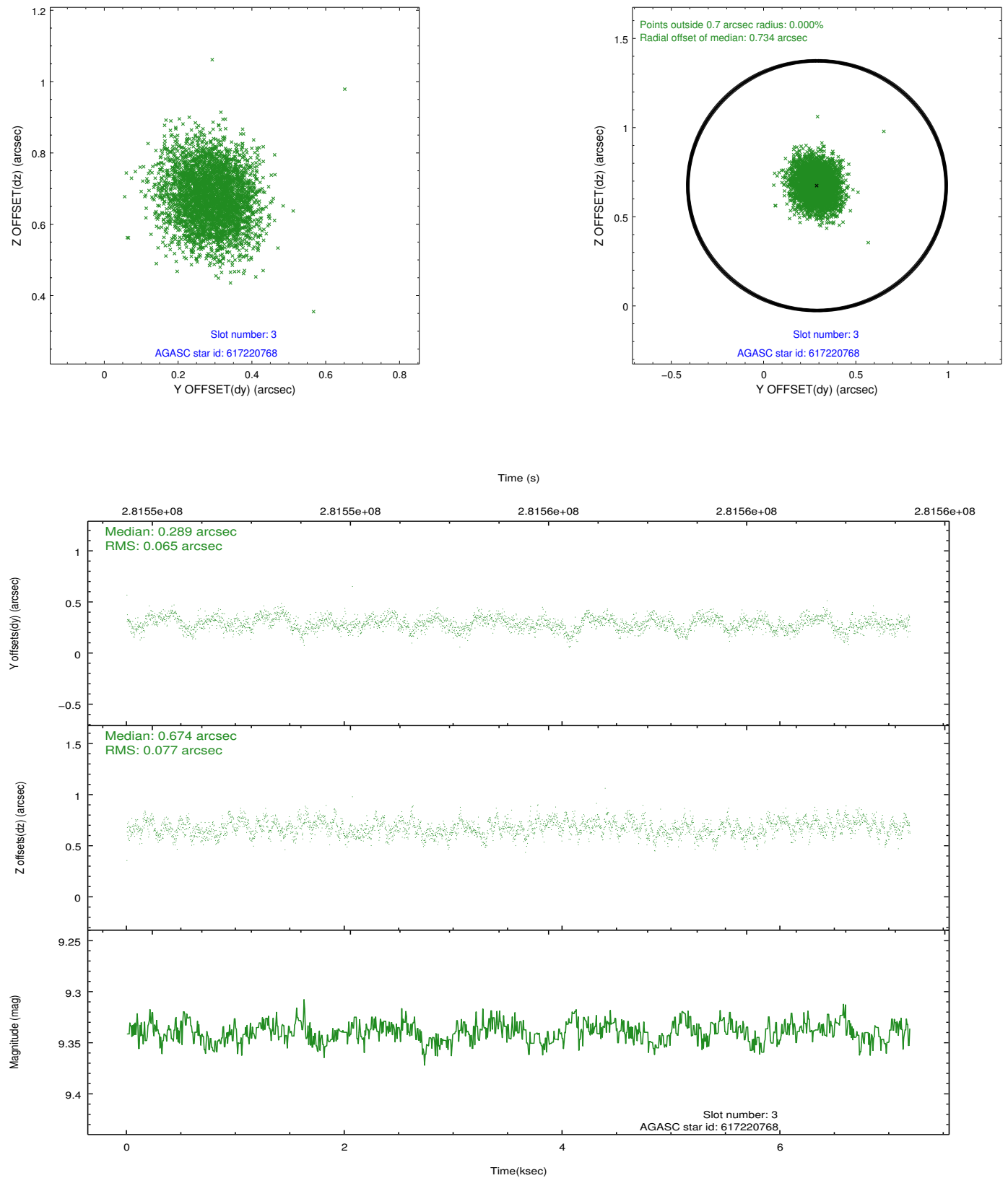


Slot Statistics

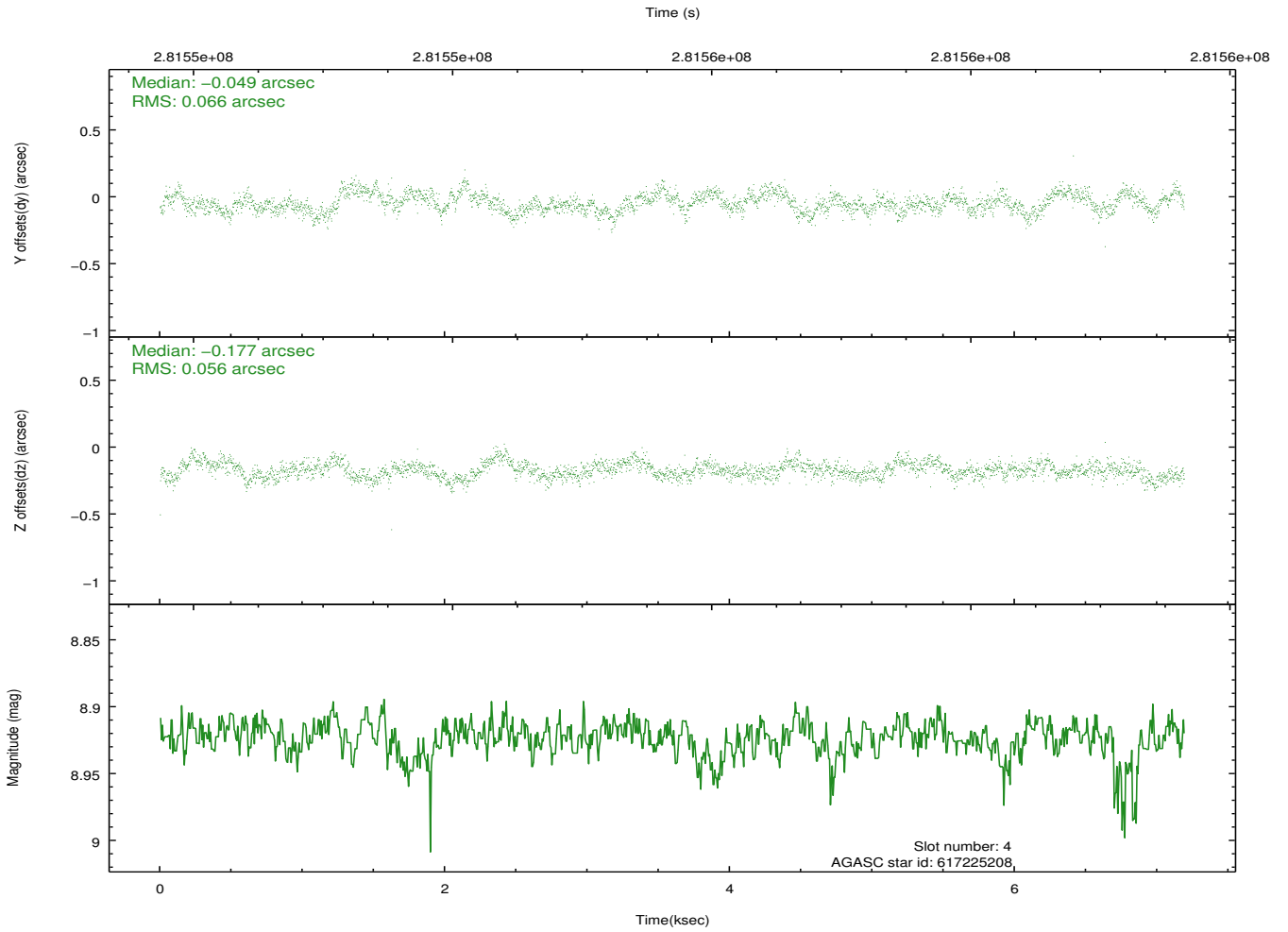
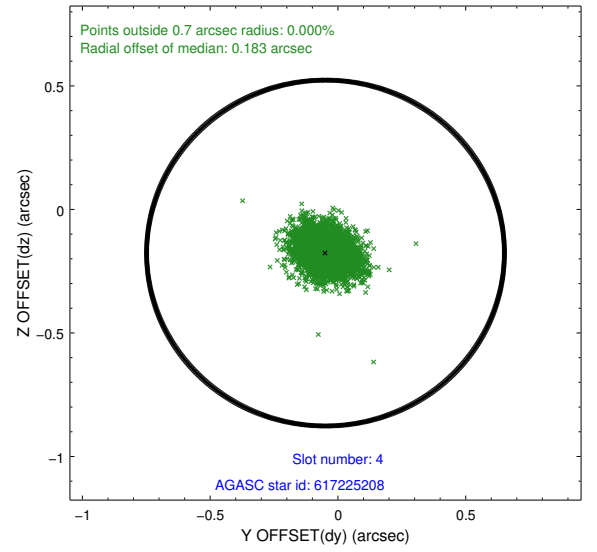
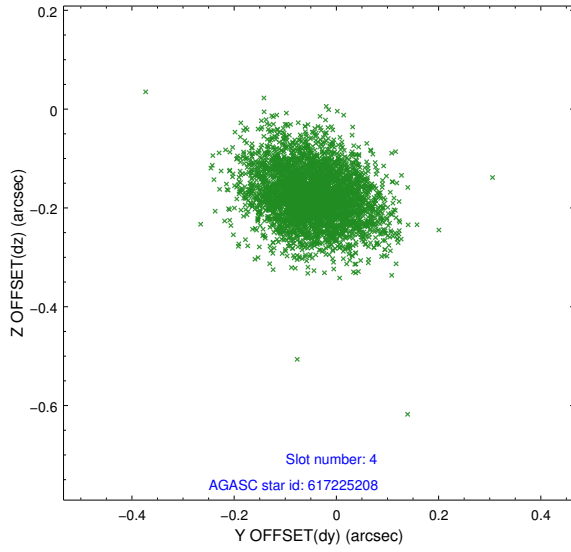
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1754	0.073	-0.054	0.007	0.014	0.000000	0.000000	929.48	-835.43
1	FID	ACIS-I-5	7.23	1754	-0.226	0.068	0.007	0.013	0.000000	0.000000	-1818.44	1061.84
2	FID	ACIS-I-6	7.25	1754	0.062	0.056	0.007	0.013	0.000000	0.000000	394.20	1707.19
3	GUIDE	617220768	9.34	3504	0.289	0.674	0.108	0.173	52.153820	-2.297712	-615.59	-702.48
4	GUIDE	617225208	8.92	3506	-0.049	-0.177	0.092	0.151	52.402007	-1.748912	-975.57	1434.46
5	GUIDE	618135616	9.41	3500	0.058	-0.091	0.115	0.193	52.691139	-1.780604	-48.56	1919.82
6	GUIDE	618137256	6.99	3508	-0.317	-0.219	0.071	0.108	52.673789	-1.938766	216.83	1412.84
7	GUIDE	618529600	9.54	3505	0.025	-0.188	0.147	0.239	52.561469	-2.979434	1969.44	-1923.63

2.4 Star Slots

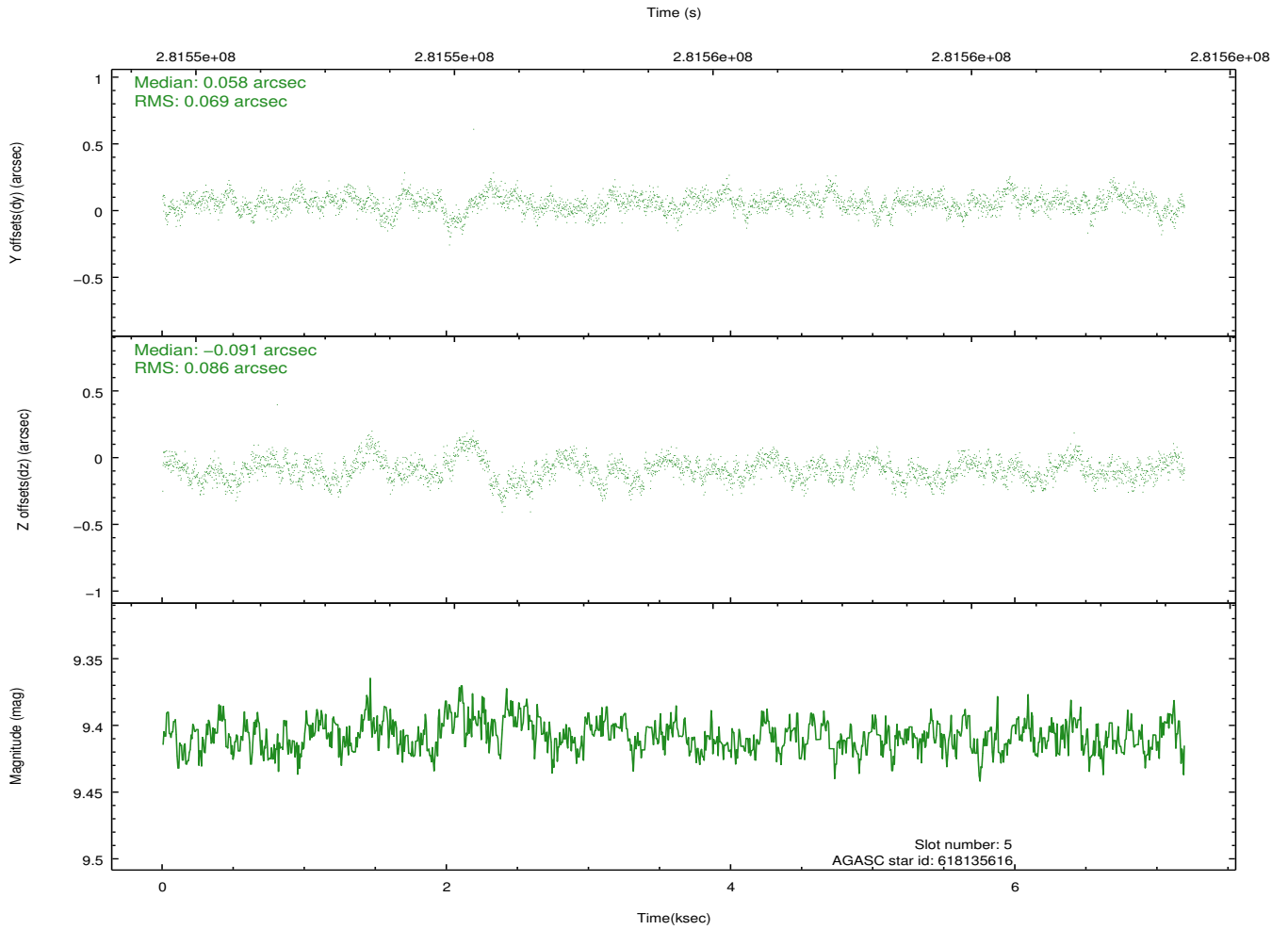
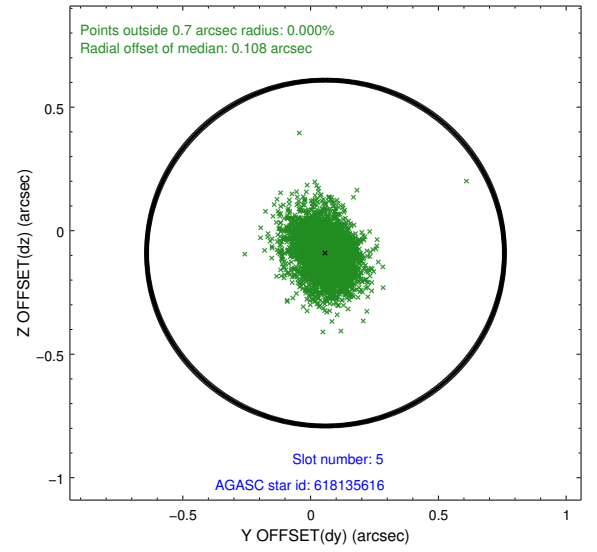
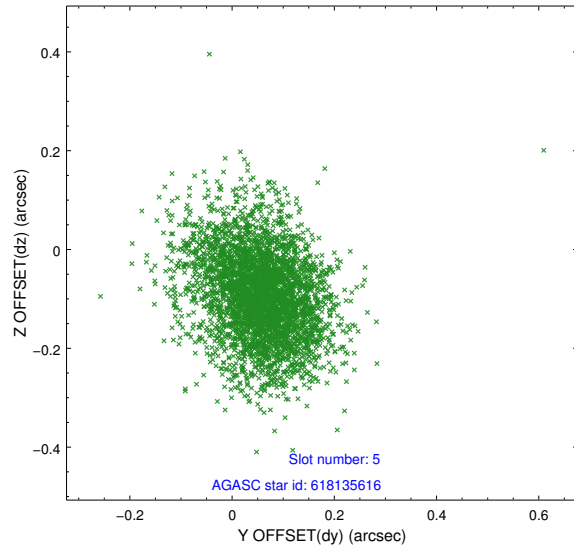
2.4.1 Slot 3



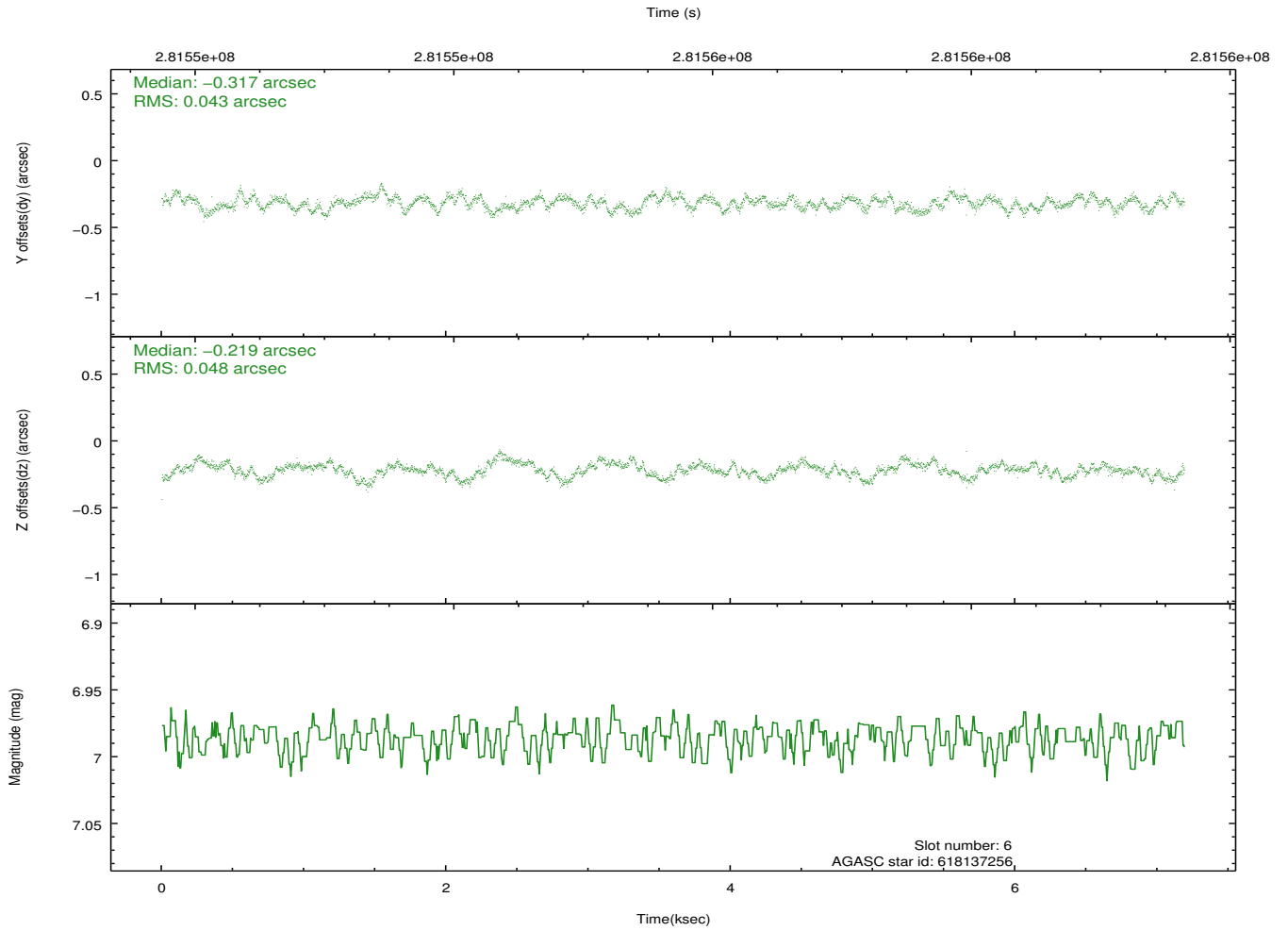
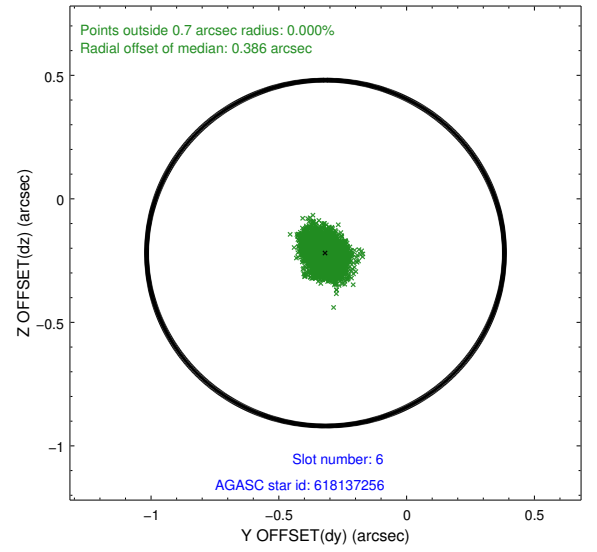
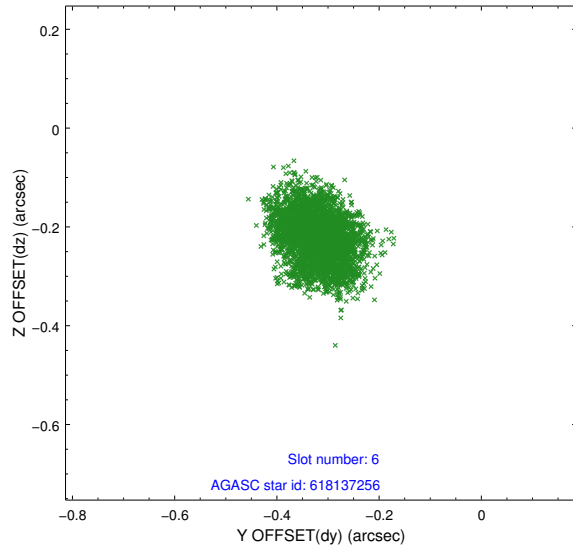
2.4.2 Slot 4



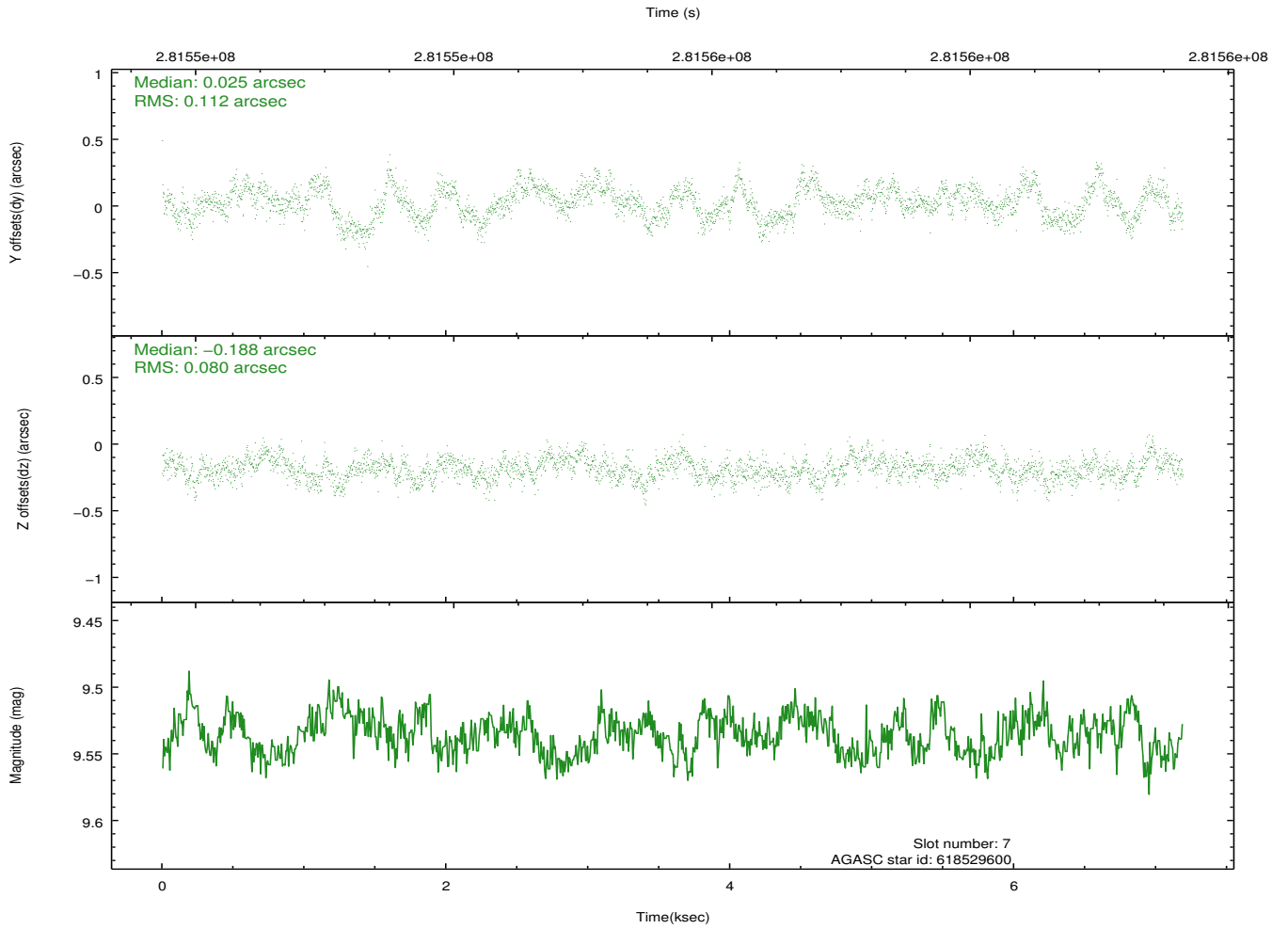
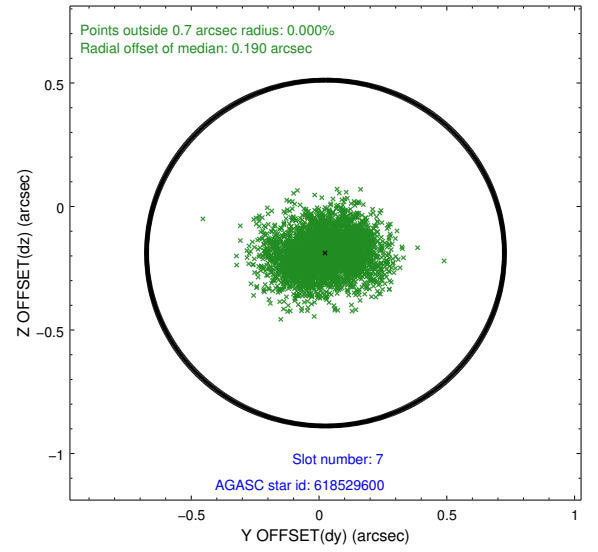
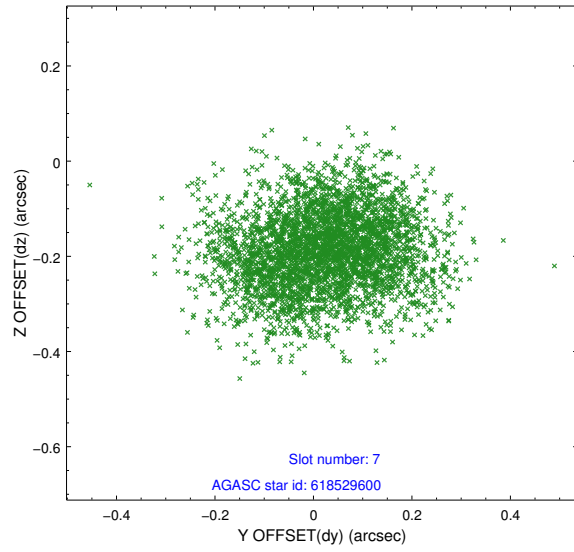
2.4.3 Slot 5



2.4.4 Slot 6

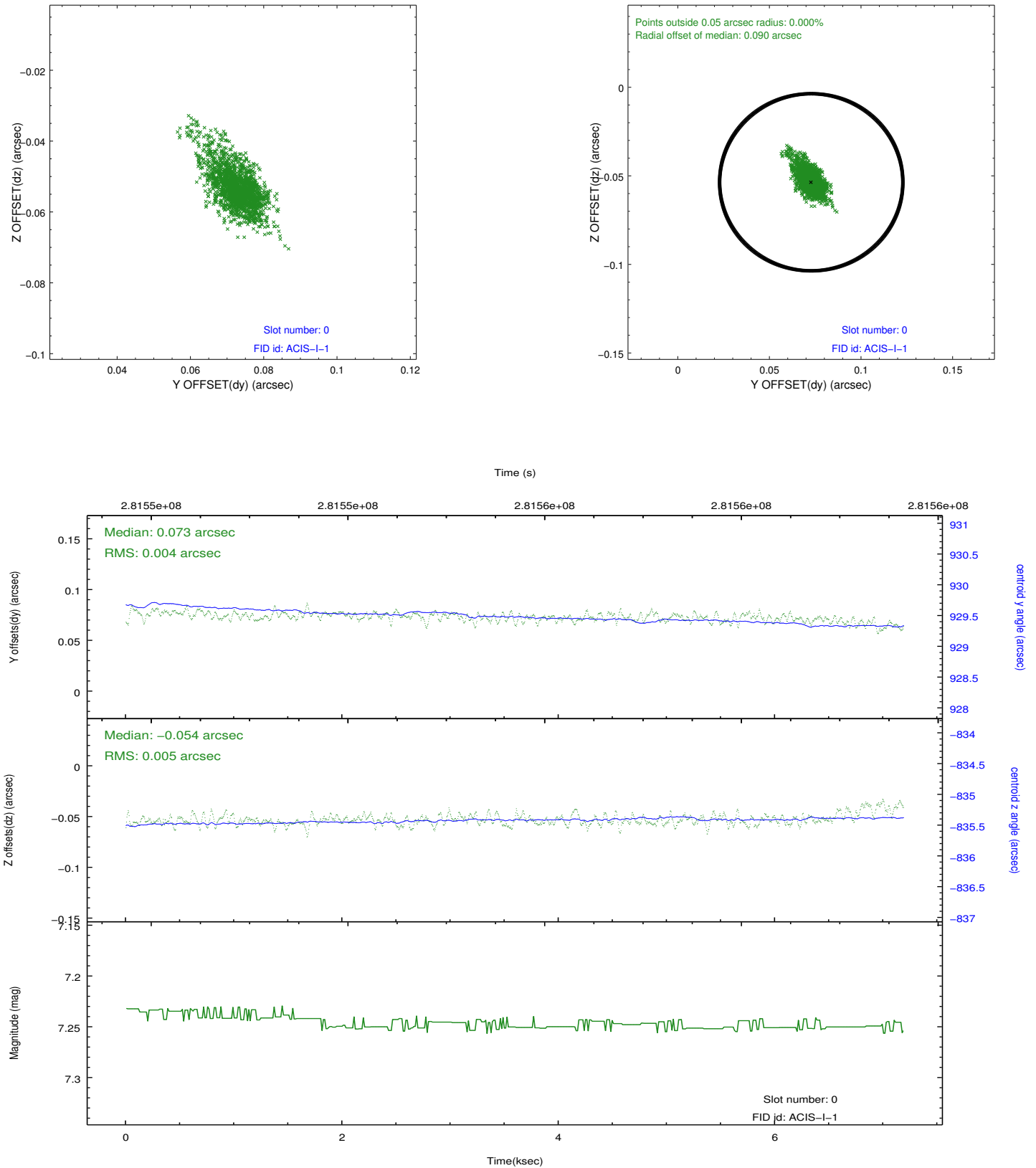


2.4.5 Slot 7

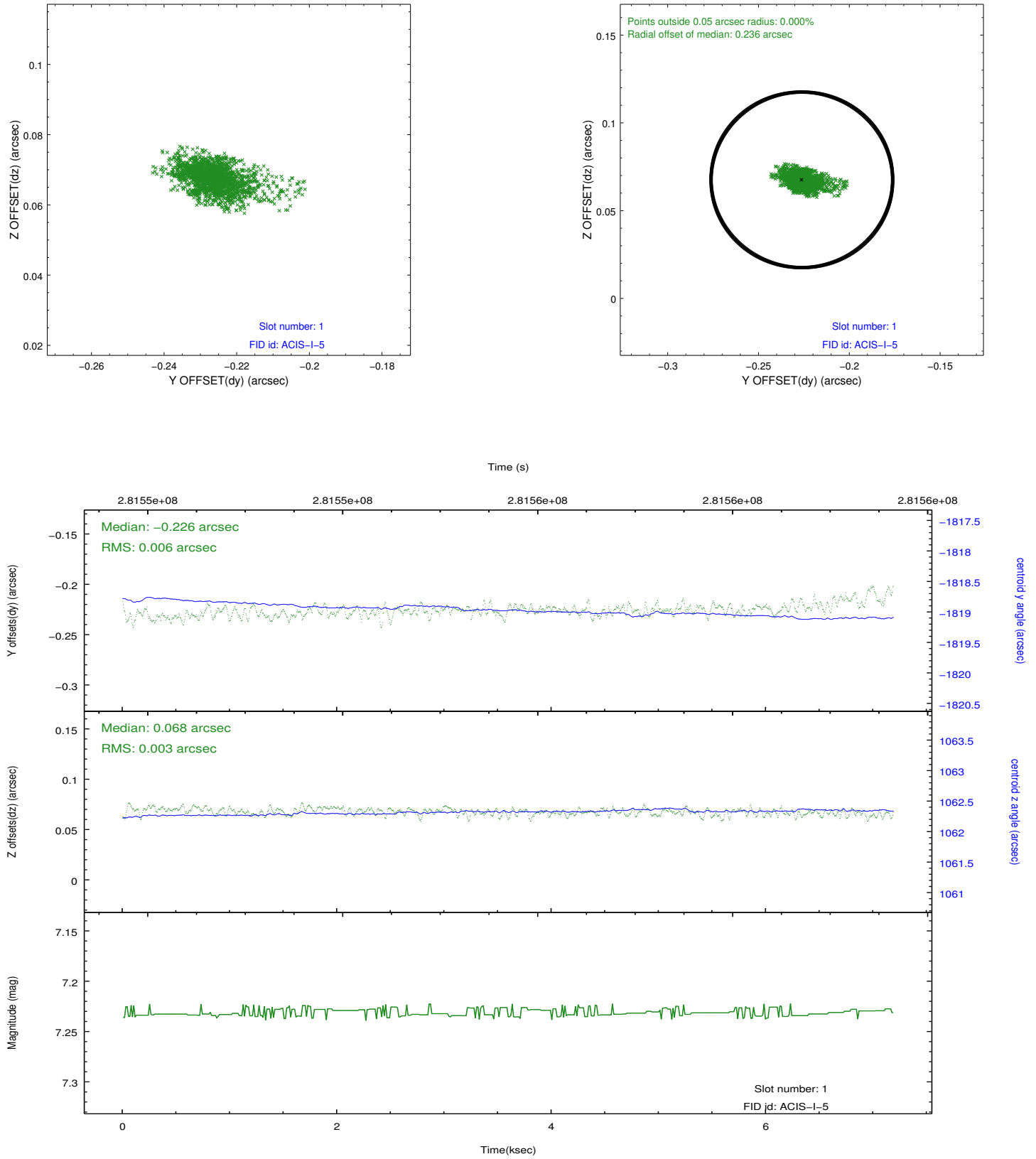


2.5 FID Slots

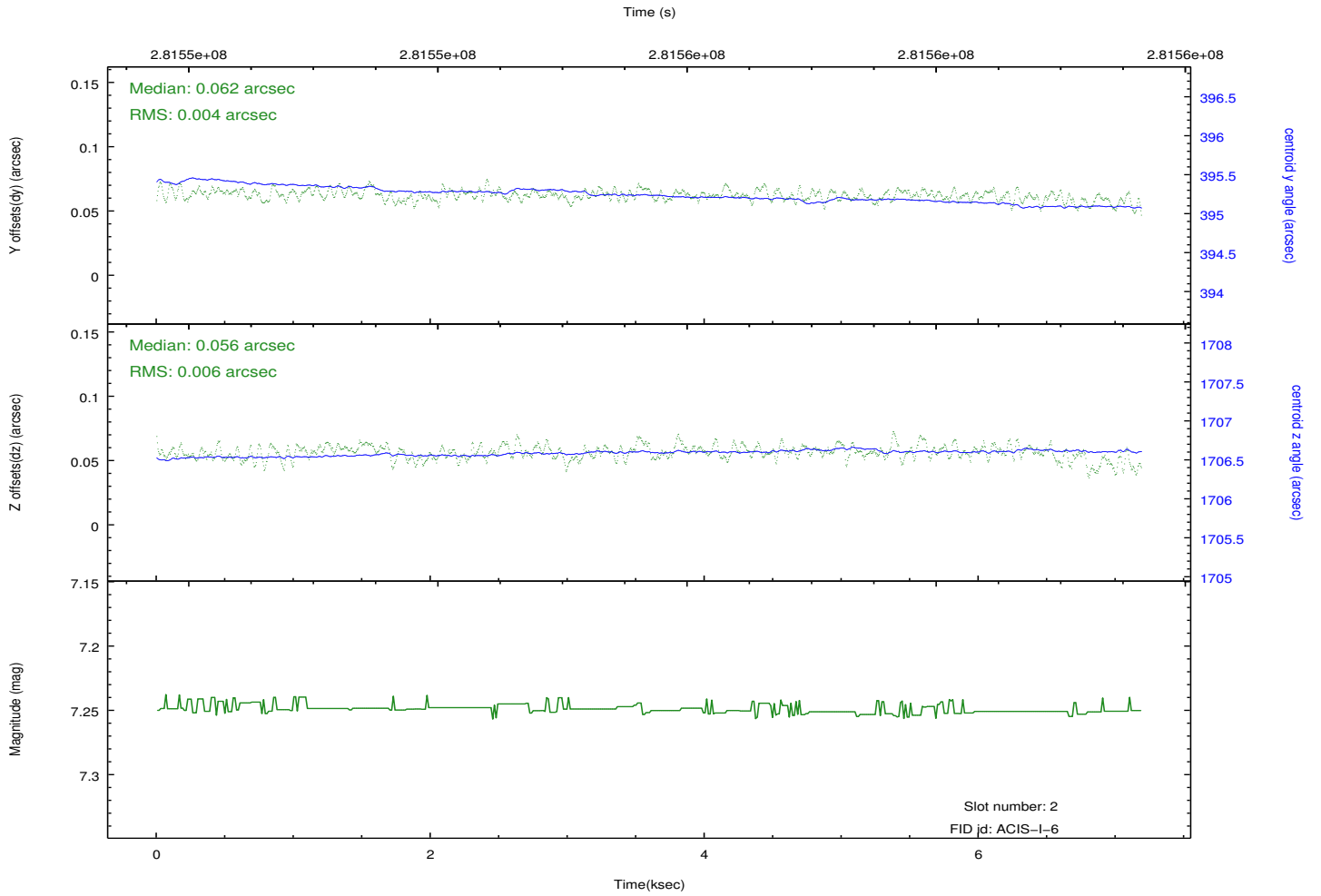
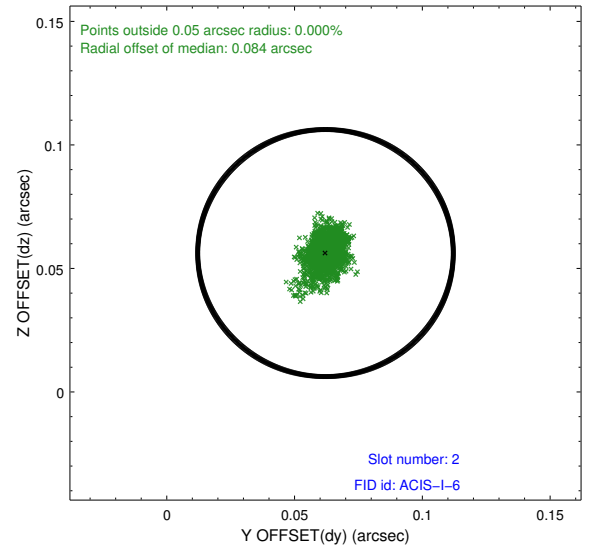
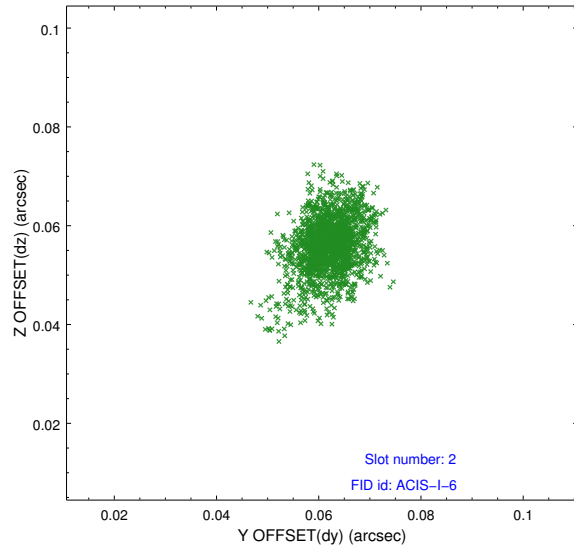
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.18270005

A.2 Comments