

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2209 - L2 Version 3
Chandra X-Ray Center

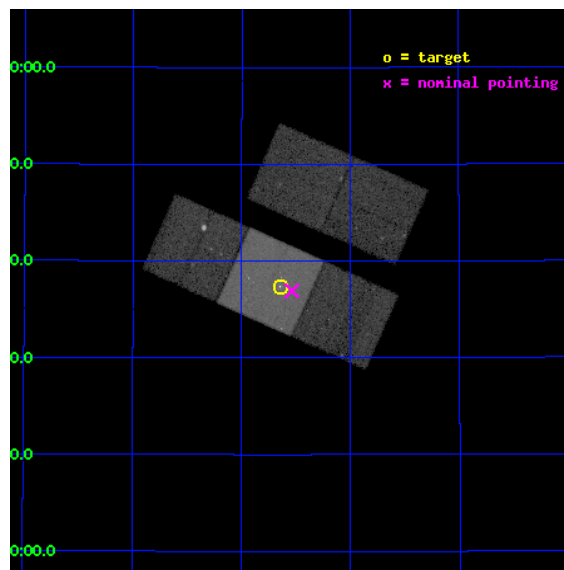
L2 Processing Date : Sep 14 2012

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1 Front

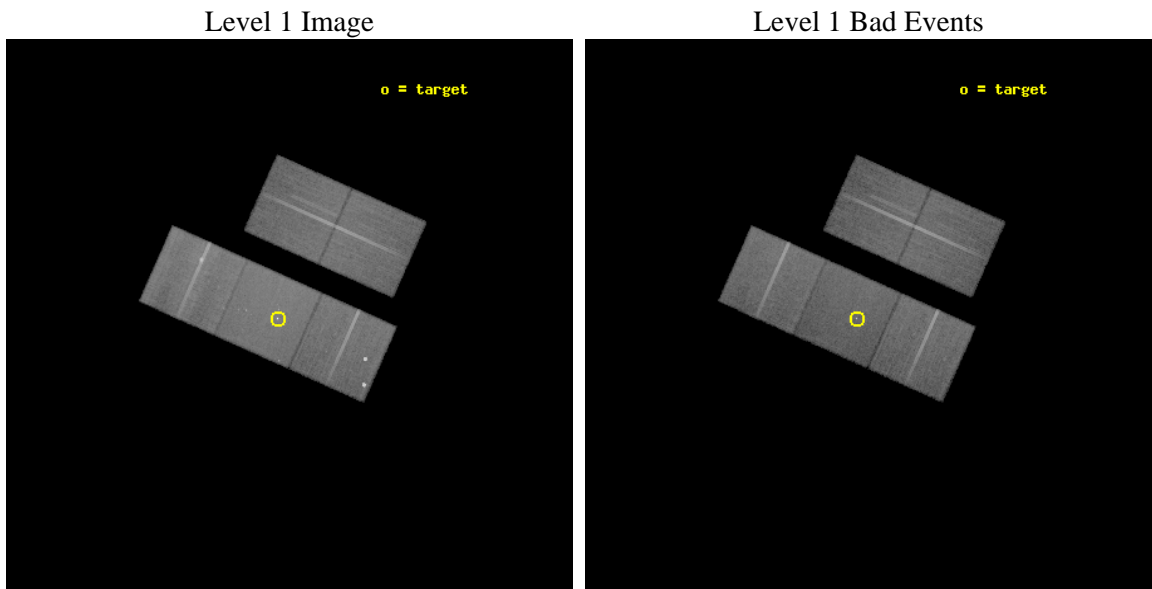
seq_num	800148	Sequence number
obs_id	2209	Observation id
title	HIGH-REDSHIFT CLUSTERS AND CLASSICAL DOUBLES WITH CIGAR-SHAPED RADIO BRIDGES	Proposal title
observer	Prof Megan Donahue	Principal investigator
object	3C254	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	168.660417	Observer's specified target RA [deg]
dec_targ	40.622222	Observer's specified target Dec [deg]
ra_nom	168.63443746402	Nominal RA [deg]
dec_nom	40.615378640162	Nominal Dec [deg]
roll_nom	204.00741844856	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30060.614328504	Sum of GTIs [s]
livetime	29667.850271999	Livetime [s]
ontime2	30060.450168505	Sum of GTIs [s]
ontime3	30054.250268161	Sum of GTIs [s]
ontime6	30057.432318255	Sum of GTIs [s]
ontime7	30060.614328504	Sum of GTIs [s]
ontime8	30057.350238264	Sum of GTIs [s]
l2events	204616	Number of level 2 events



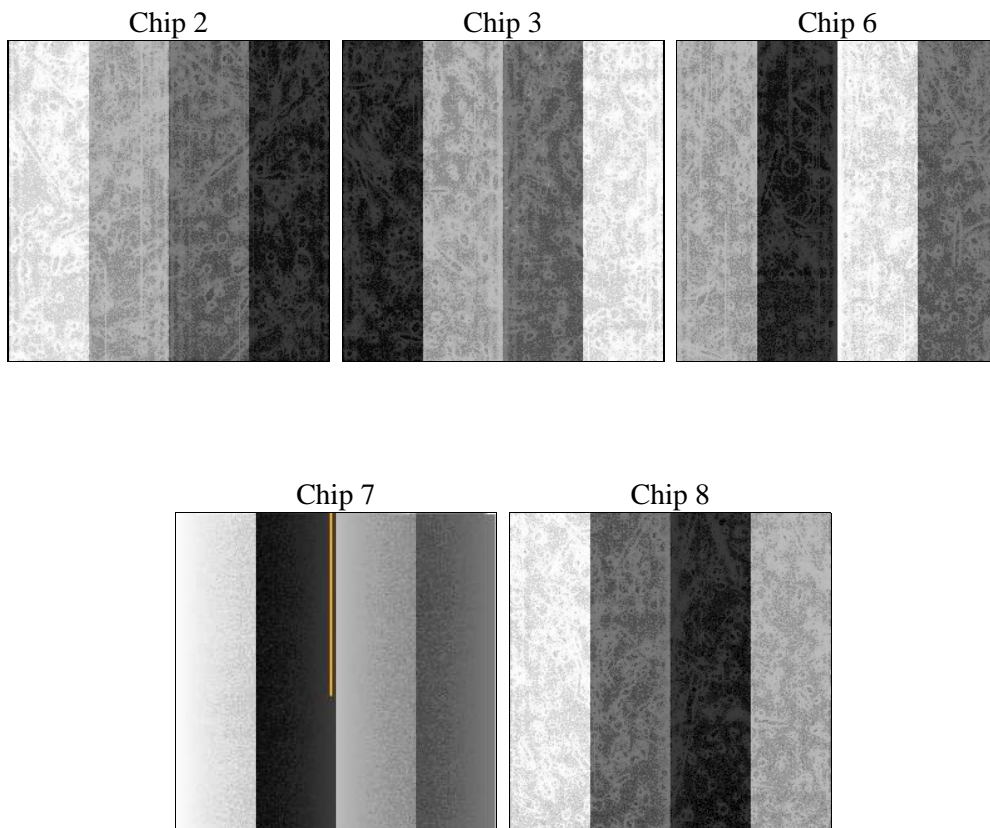
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30060.614328504	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	30060.450168505	Sum of GTIs [s]
date	2012-09-14T20:09:41	Date and time of file creation	ontime3	30054.250268161	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	30057.432318255	Sum of GTIs [s]
			ontime7	30060.614328504	Sum of GTIs [s]
			ontime8	30057.350238264	Sum of GTIs [s]
			l1events	1204815	Number of level 1 events

2.1.4 Events

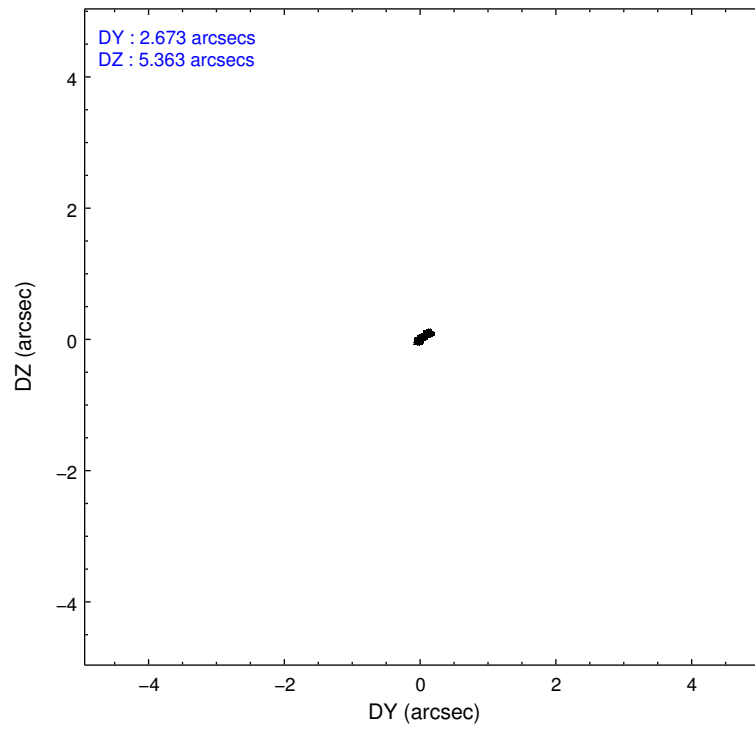
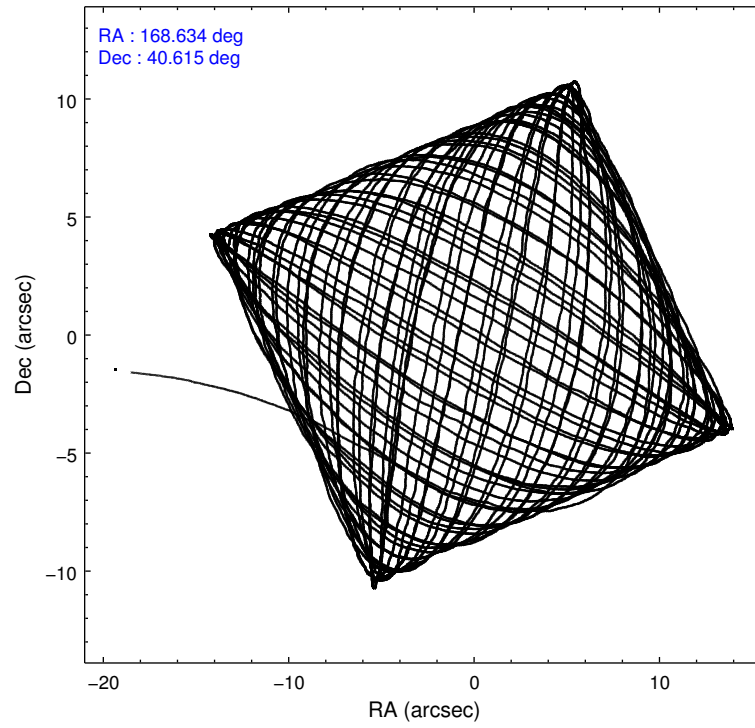
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	210076	203541	235300	271011	284887
rejected events	185512	179270	191340	154521	210810
rejected %	88%	88%	81%	57%	73%

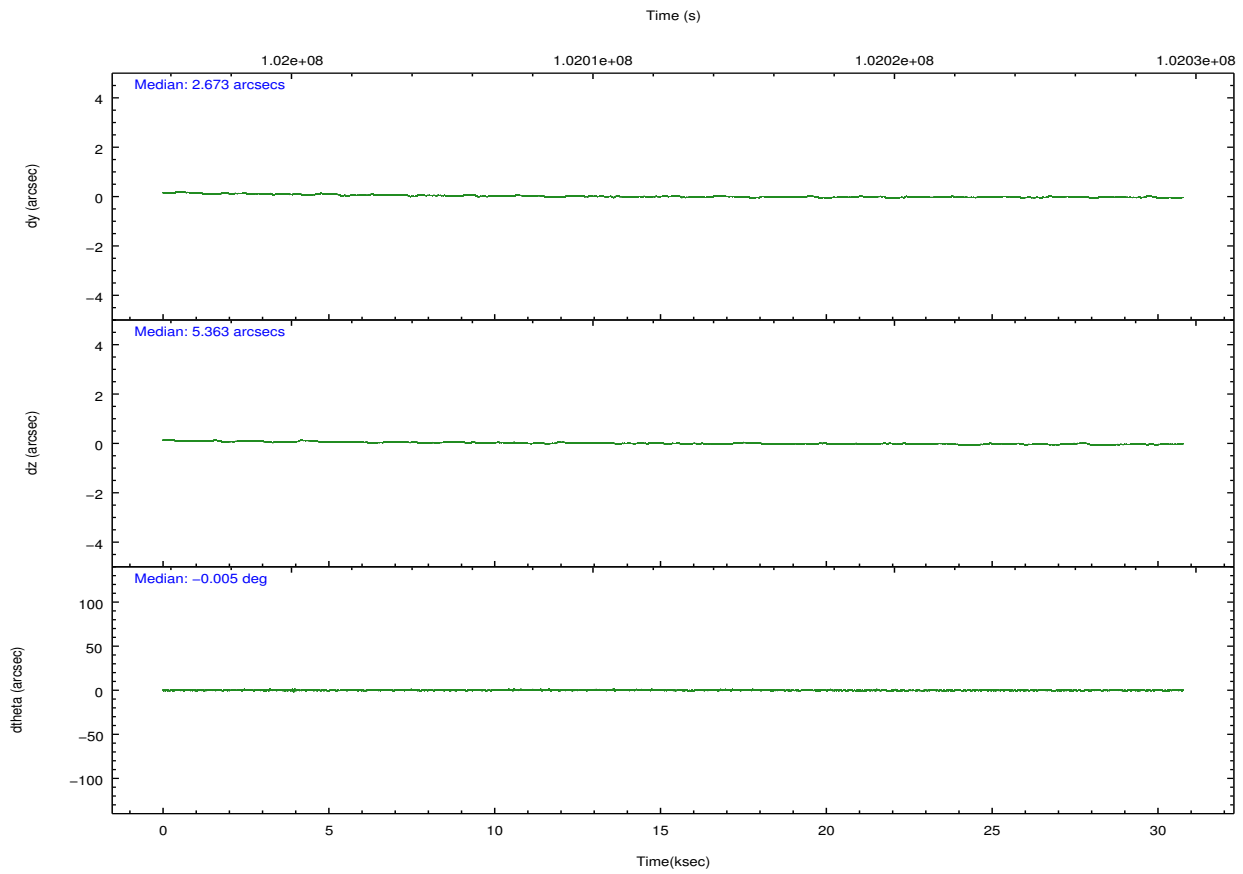
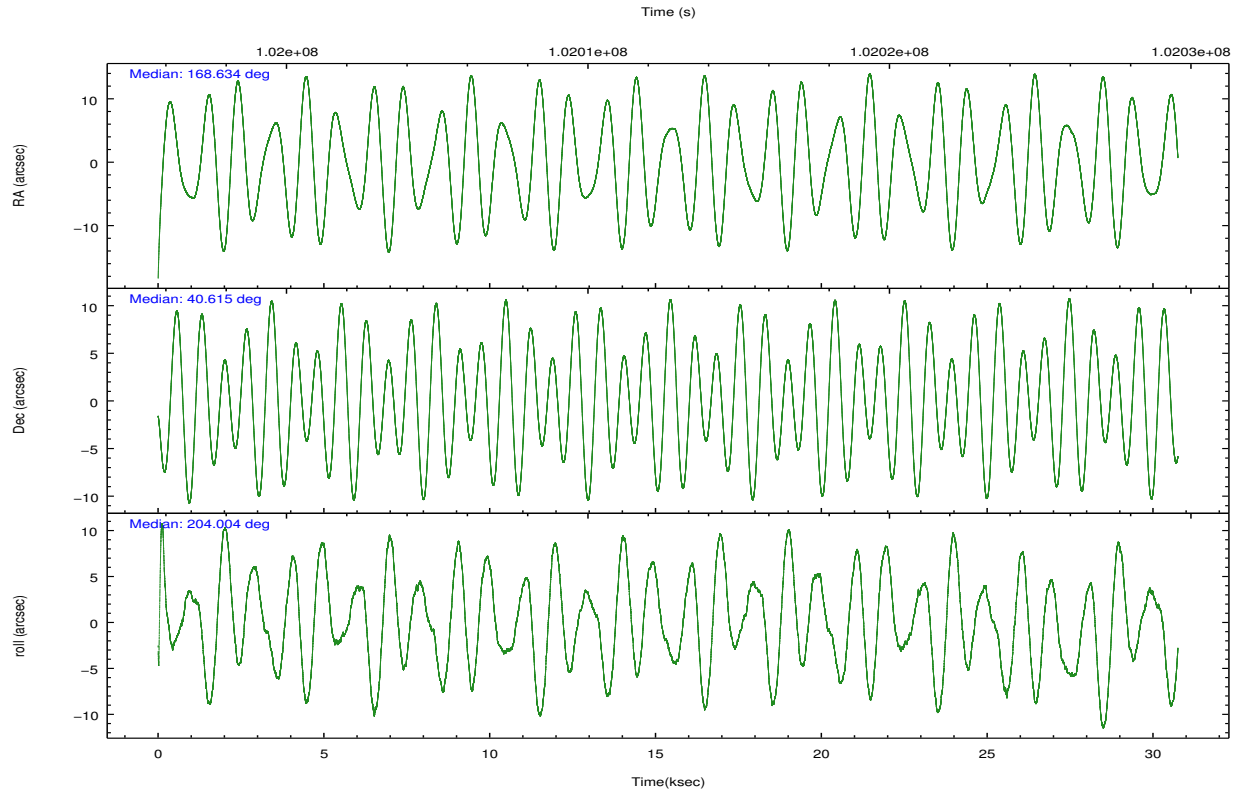
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	10495	10079	19599	12839	26953
	4%	4%	8%	4%	9%
grade 1 events	81	96	102	459	215
	0%	0%	0%	0%	0%
grade 2 events	5435	5230	14651	23225	13884
	2%	2%	6%	8%	4%
grade 3 events	2159	2195	2407	10716	8909
	1%	1%	1%	3%	3%
grade 4 events	2193	2255	2300	10675	8144
	1%	1%	0%	3%	2%
grade 5 events	6860	7482	8720	25511	11090
	3%	3%	3%	9%	3%
grade 6 events	4288	4513	5012	59053	16199
	2%	2%	2%	21%	5%
grade 7 events	178565	171691	182509	128533	199493
	85%	84%	77%	47%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	168.655294	168.6344374640248	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.637641	40.61537864016204	Alternating exposures requested	N	N
[deg] Pointing Roll	203.837219	204.0074184485639	[s] Primary exposure time	0.000000	3.1
[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)	101998033.184000	101996794.67017			
Observation start date	2001-03-26T12:46:09	2001-03-26T12:26:34			
[s] Observation end time (MET)	102028033.184000	102028417.97139			
Observation end date	2001-03-26T21:06:09	2001-03-26T21:13:37			
Read mode	TIMED	TIMED			

2.3 Aspect



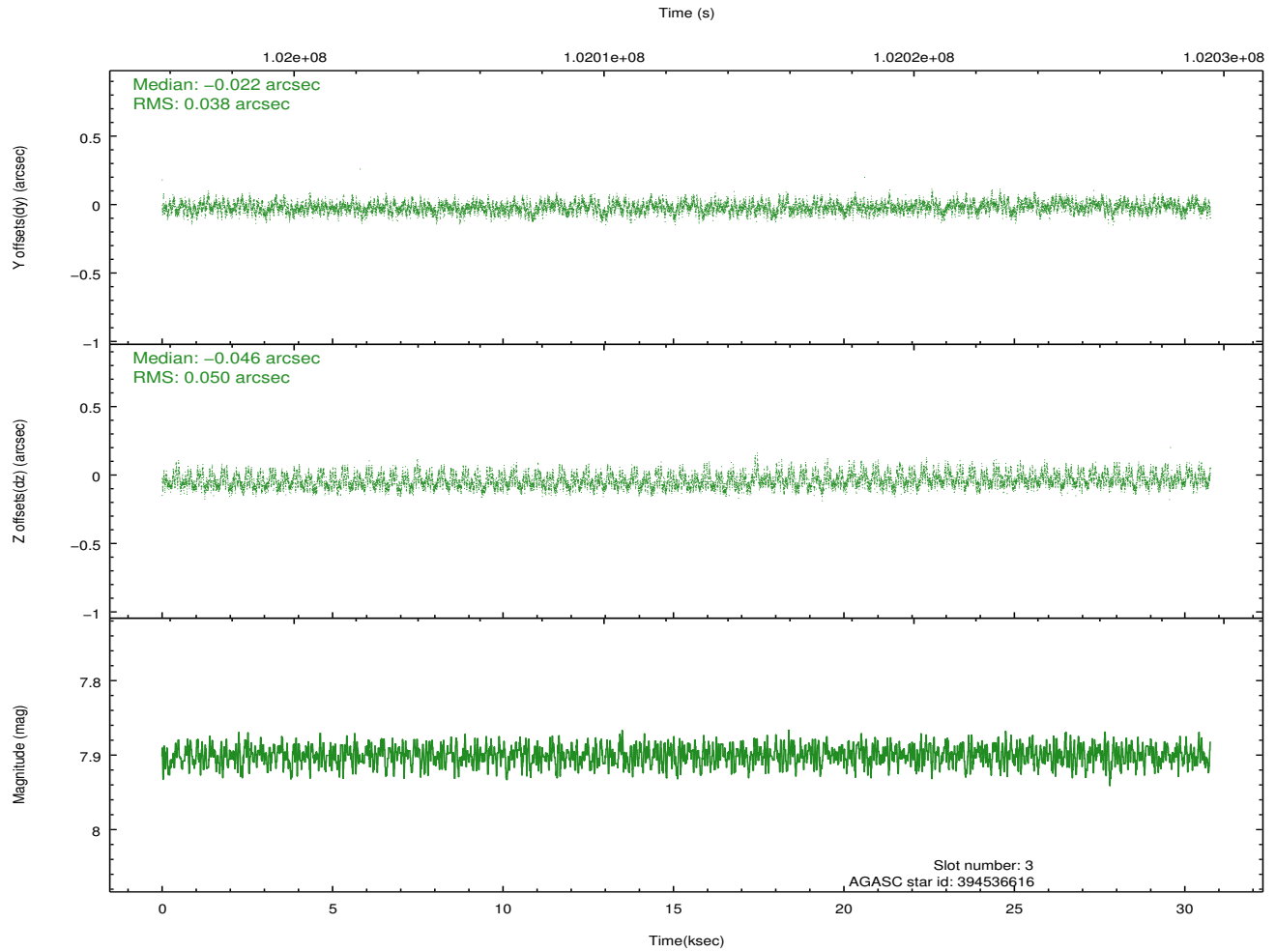
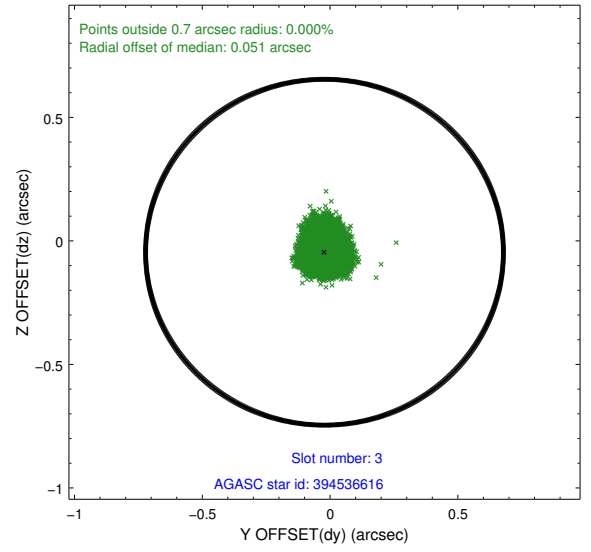
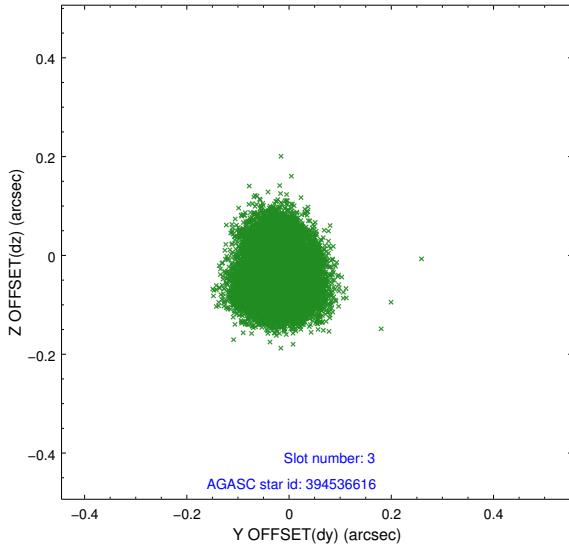


Slot Statistics

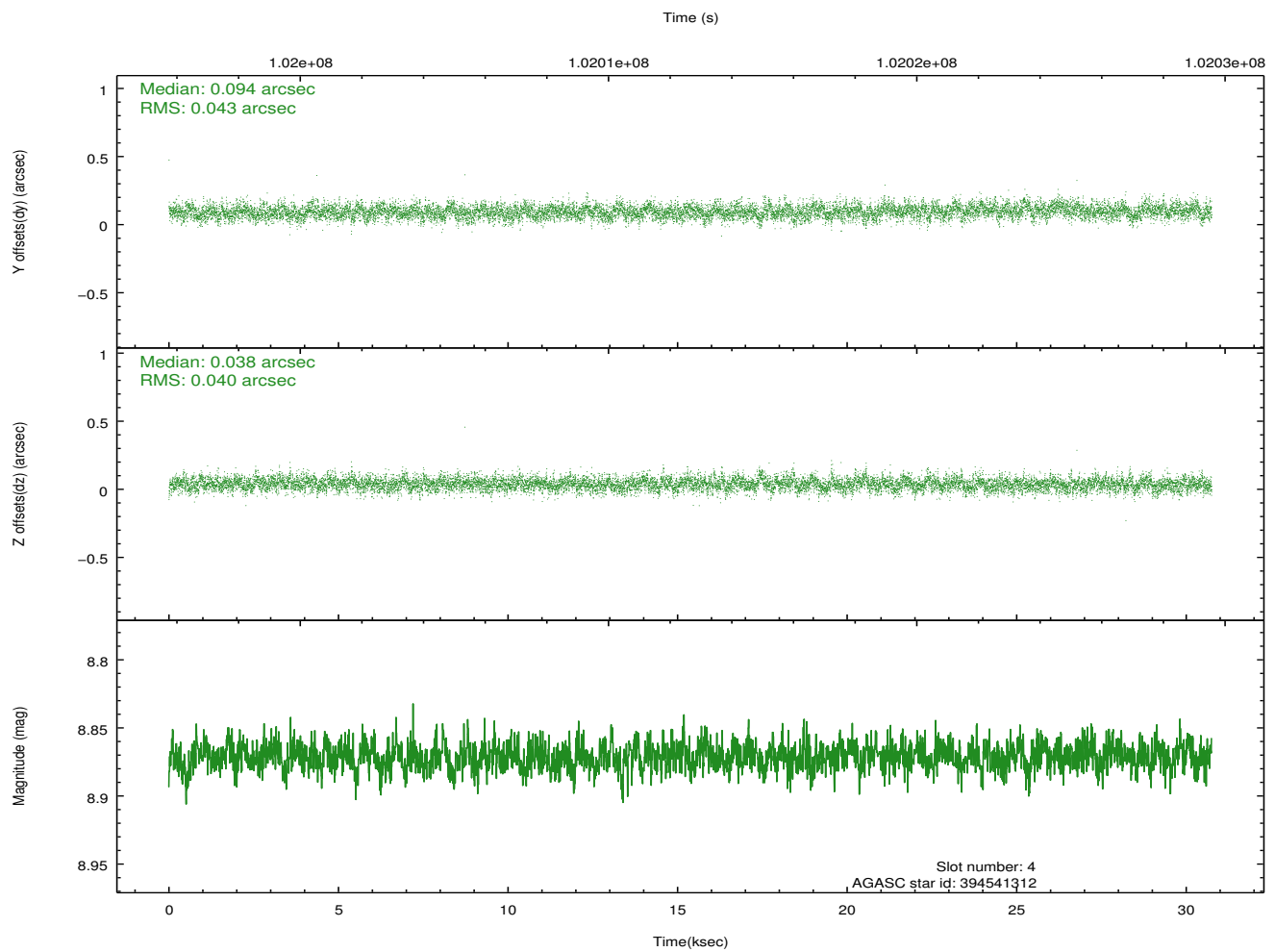
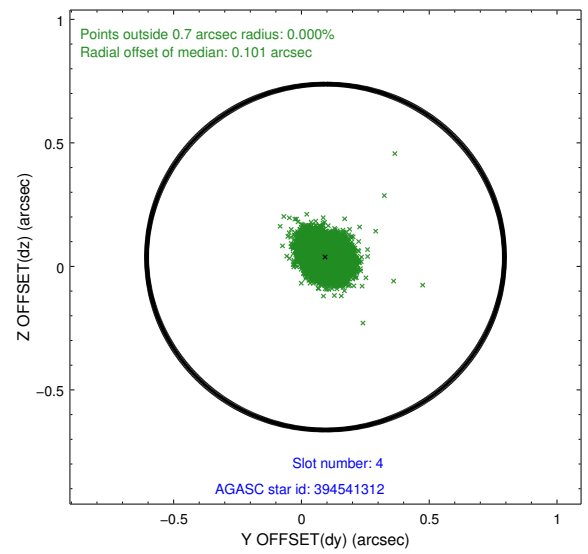
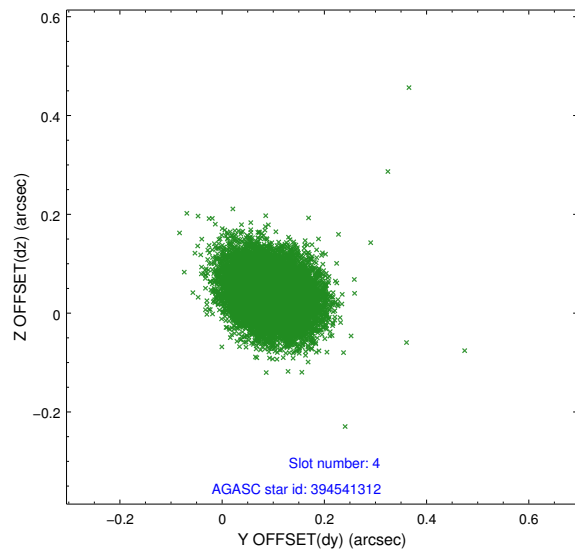
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	7498	-0.030	0.003	0.012	0.020	0.000000	0.000000	-755.31	-1726.46
1	FID	ACIS-S-4	7.20	7499	-0.038	0.013	0.016	0.029	0.000000	0.000000	2157.89	182.03
2	FID	ACIS-S-5	7.24	7500	0.034	-0.007	0.012	0.019	0.000000	0.000000	-1808.05	175.67
3	GUIDE	394536616	7.90	15000	-0.022	-0.046	0.068	0.106	168.478245	39.977764	1406.82	1974.98
4	GUIDE	394541312	8.87	14994	0.094	0.038	0.062	0.102	168.142879	40.534286	1431.27	-229.90
5	GUIDE	394540984	9.08	14999	-0.014	0.050	0.077	0.125	169.035193	40.529906	-795.00	772.68
6	GUIDE	394534584	9.38	14994	-0.084	0.003	0.087	0.141	169.479815	40.837337	-2349.17	240.14
7	GUIDE	394536664	9.50	14995	0.023	-0.048	0.087	0.150	167.975457	40.752410	1525.81	-1133.87

2.4 Star Slots

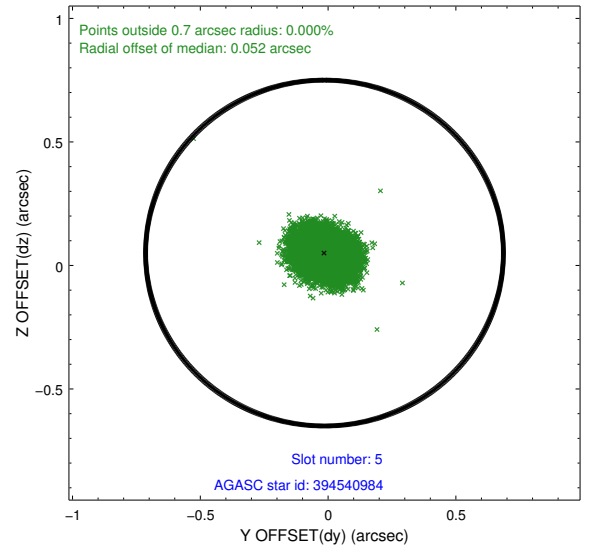
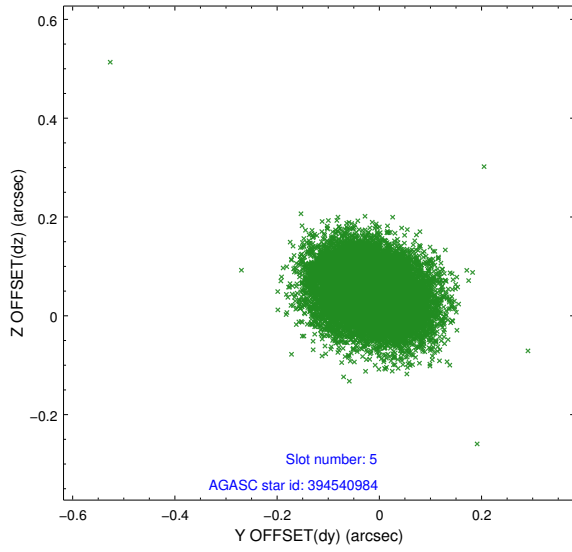
2.4.1 Slot 3



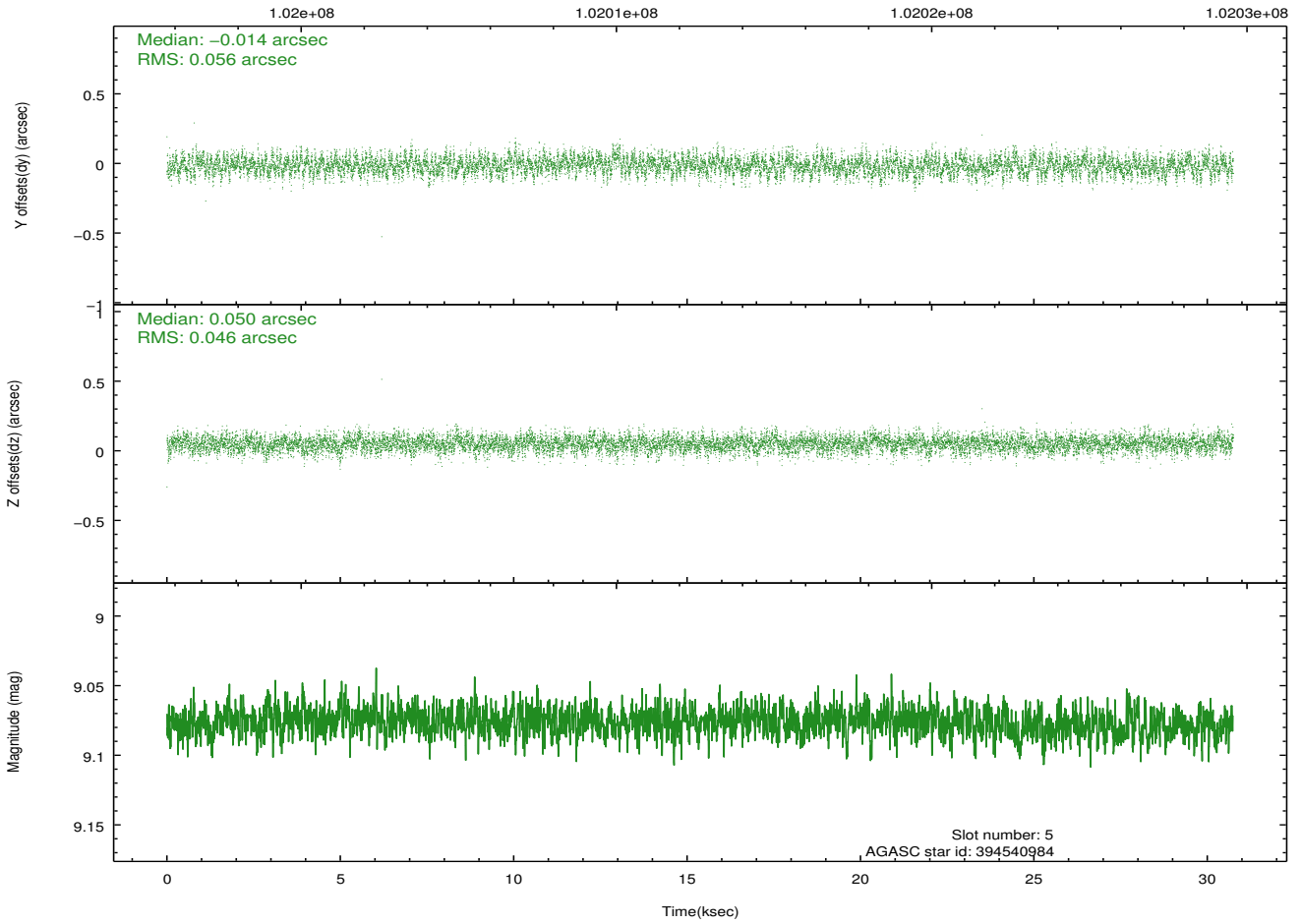
2.4.2 Slot 4



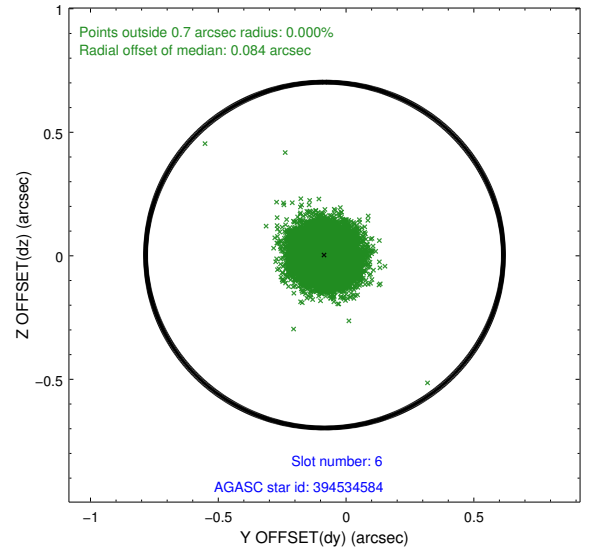
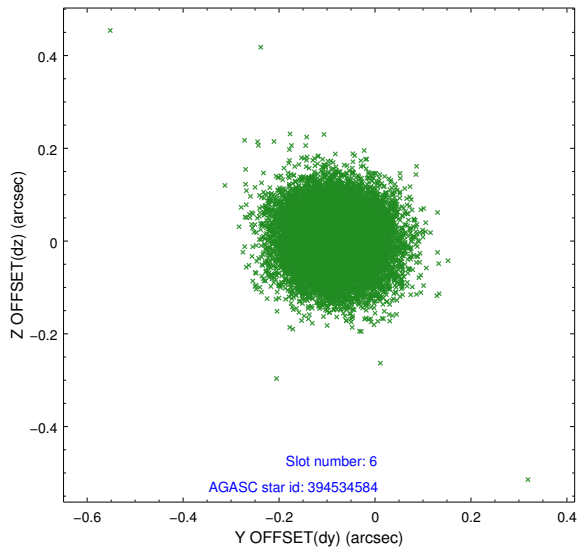
2.4.3 Slot 5



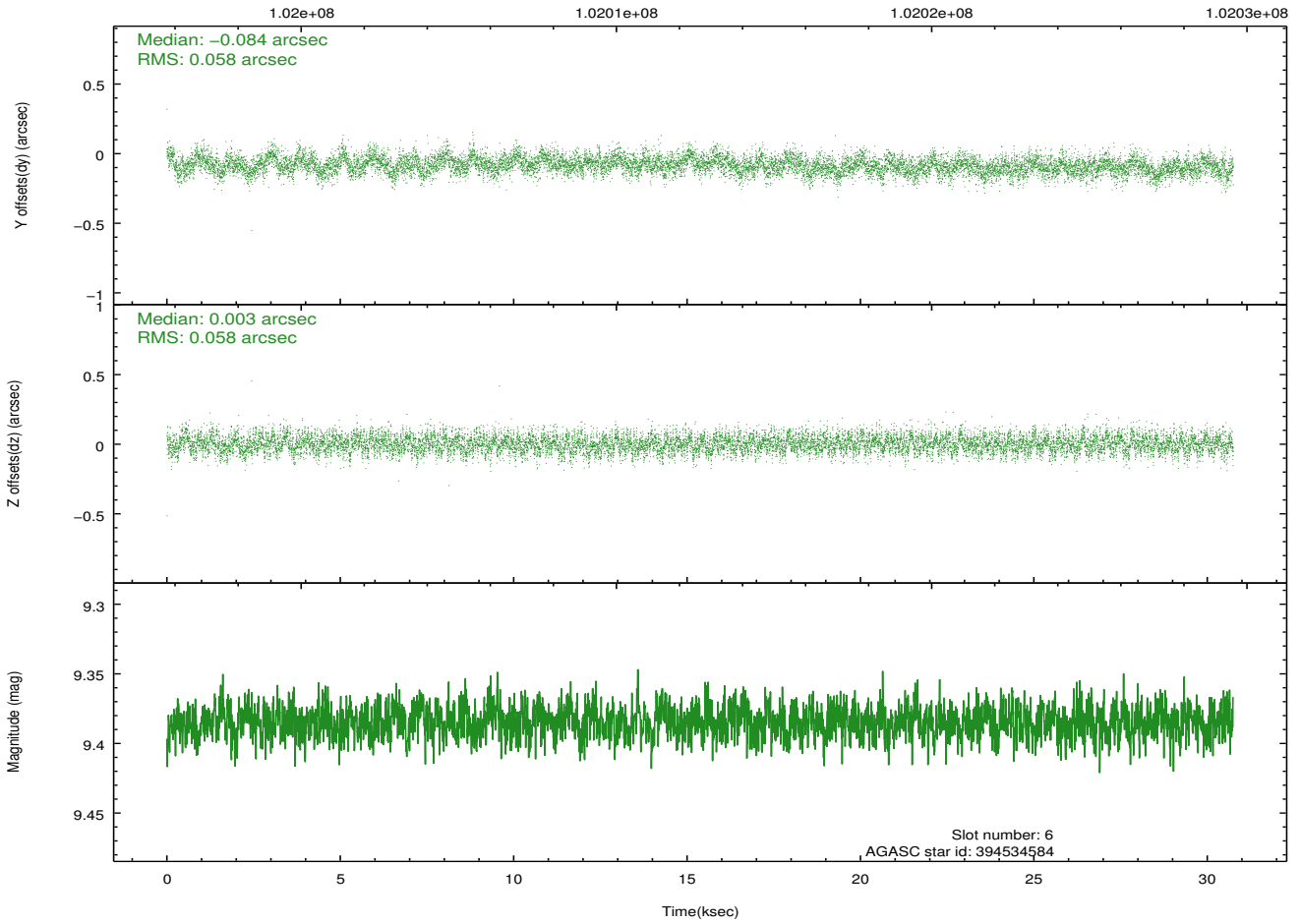
Time (s)



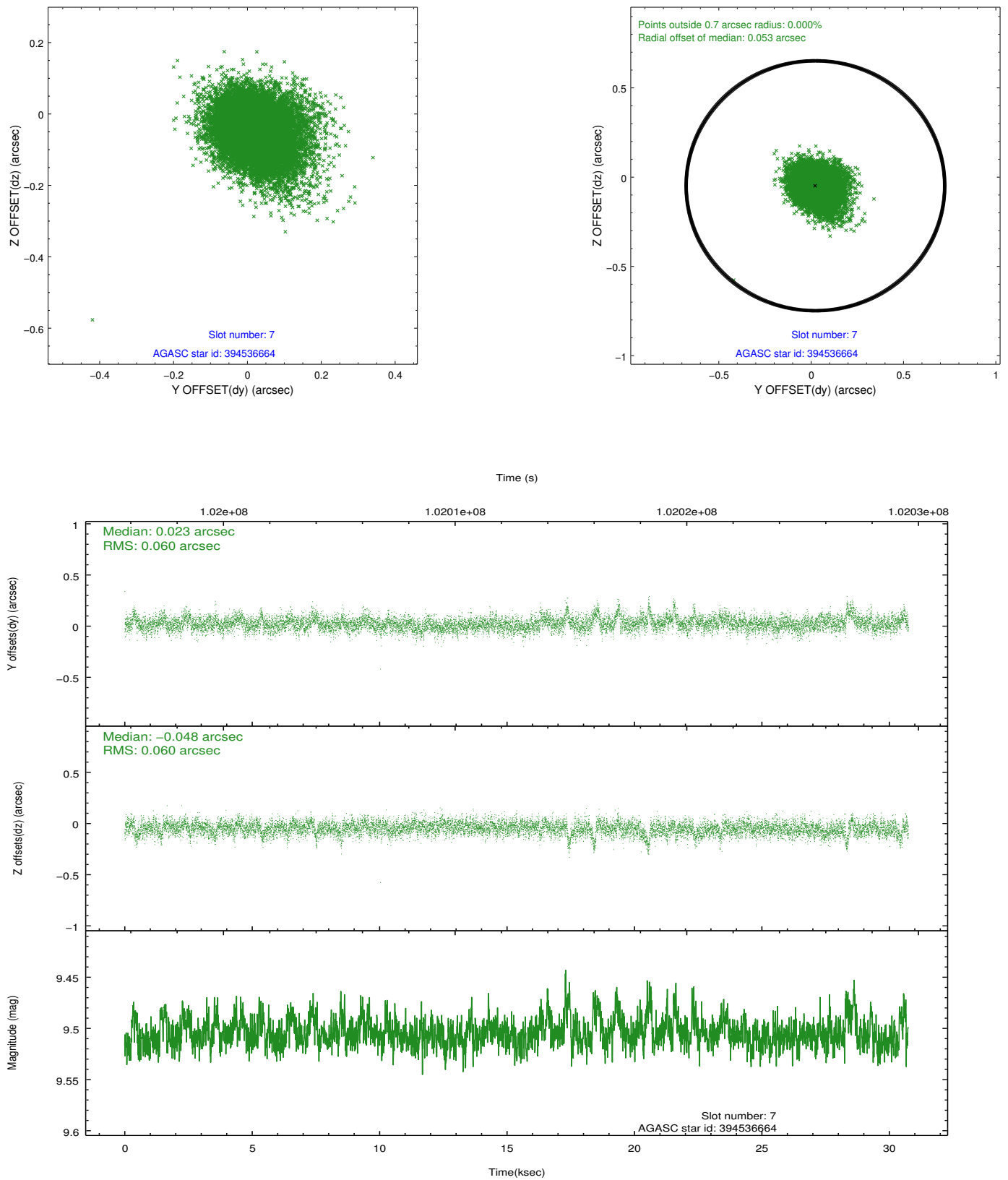
2.4.4 Slot 6



Time (s)

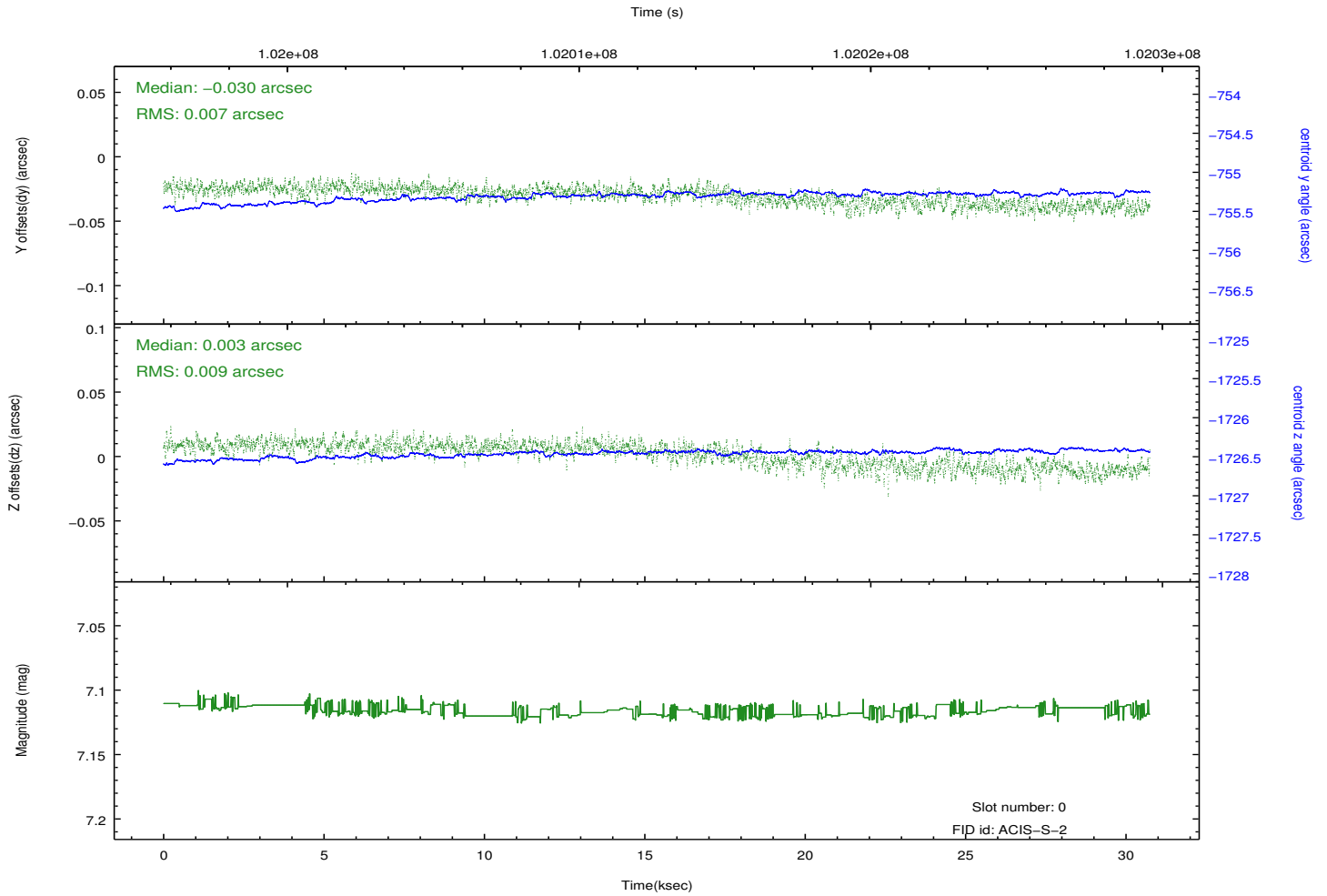
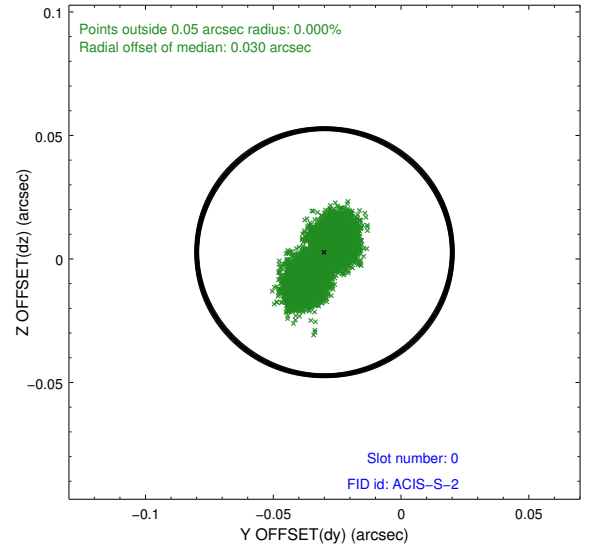
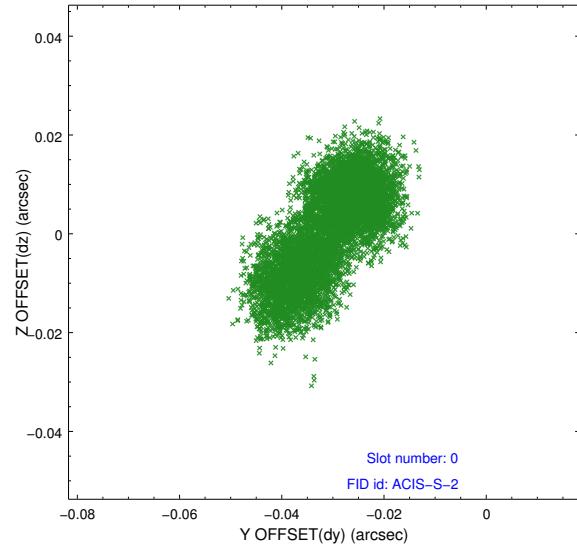


2.4.5 Slot 7

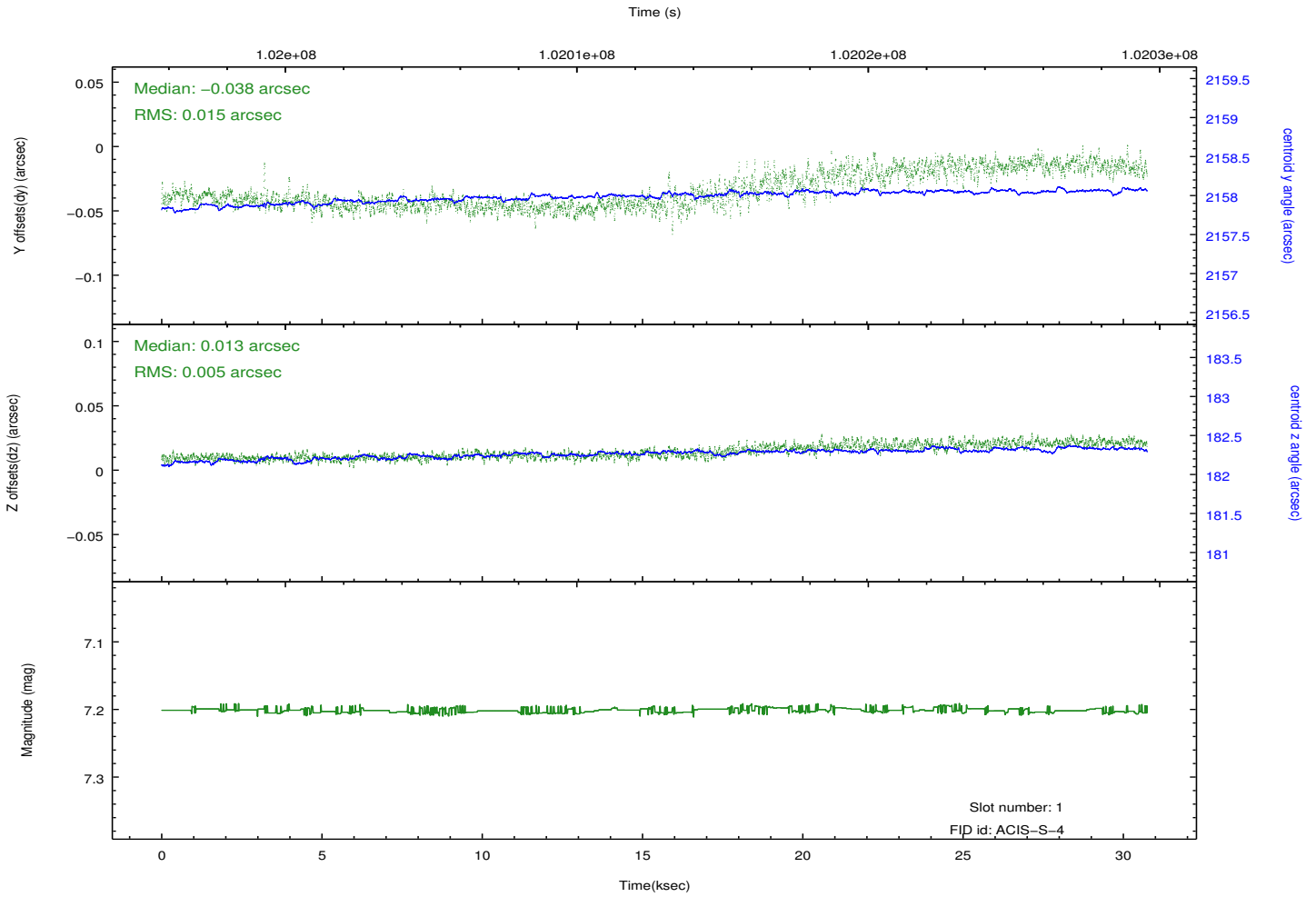
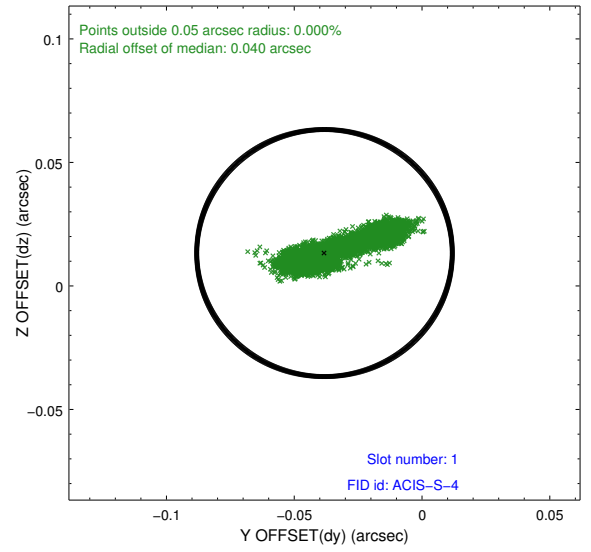
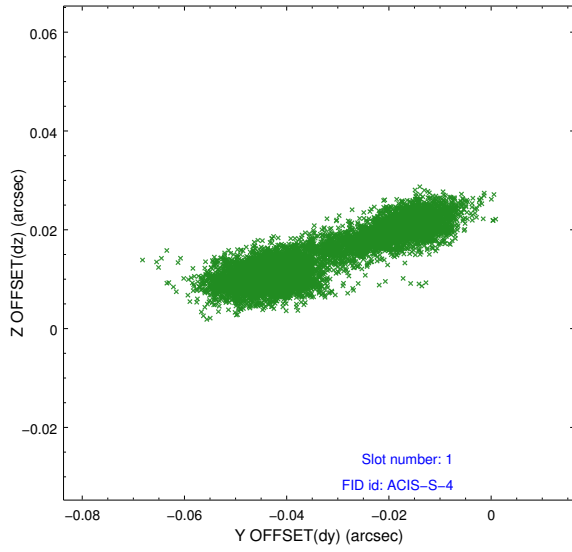


2.5 FID Slots

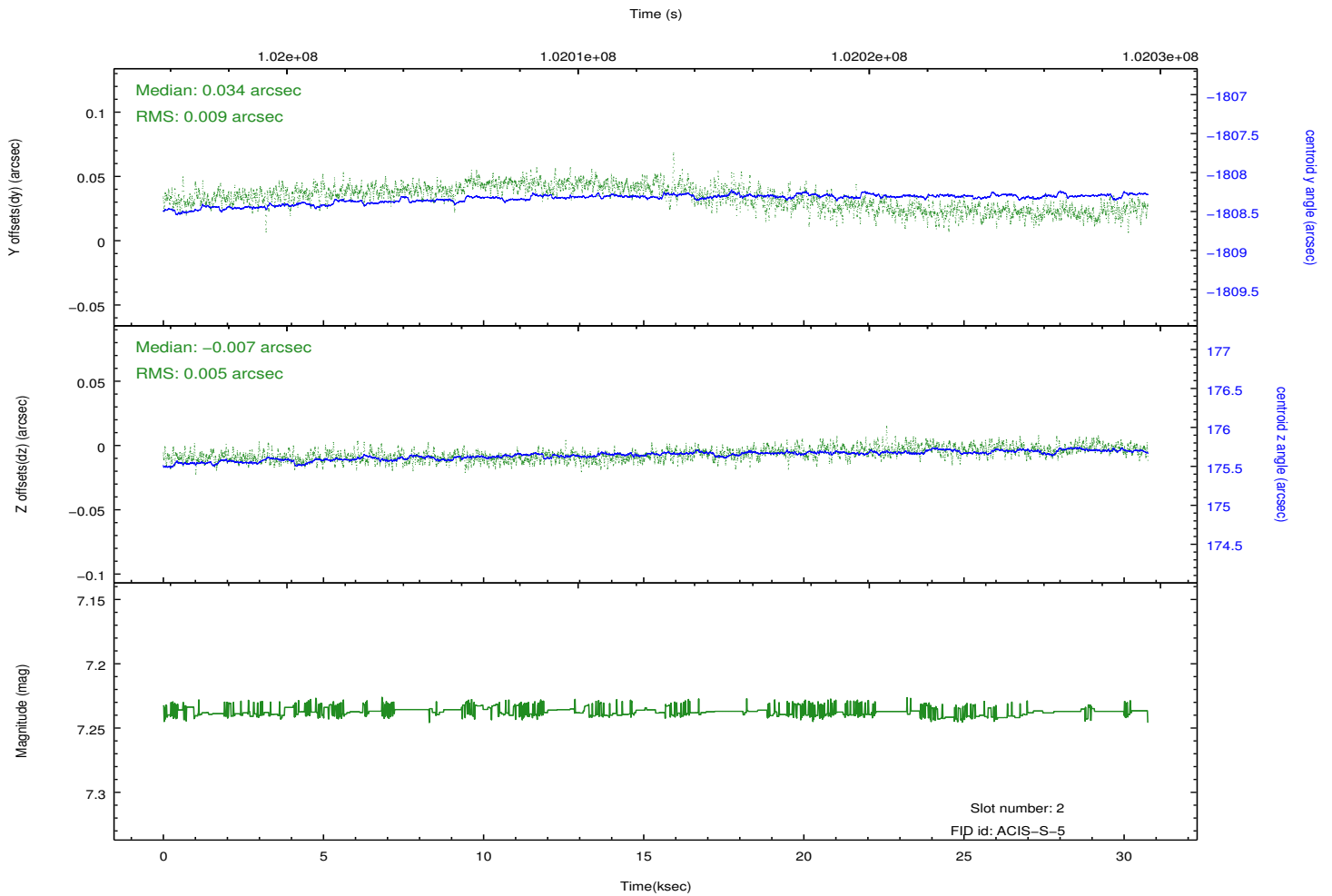
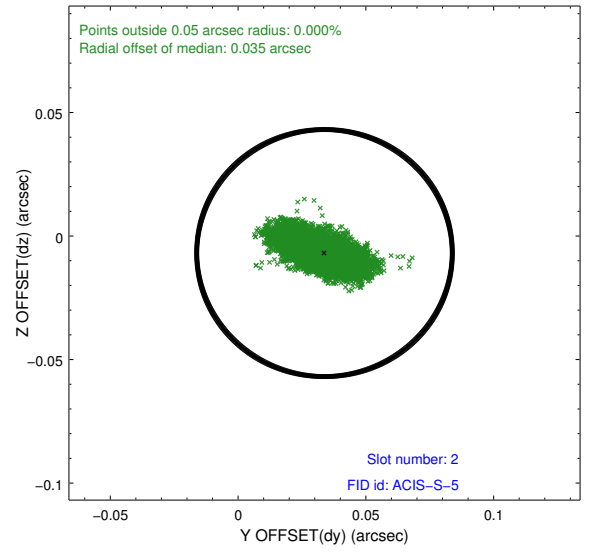
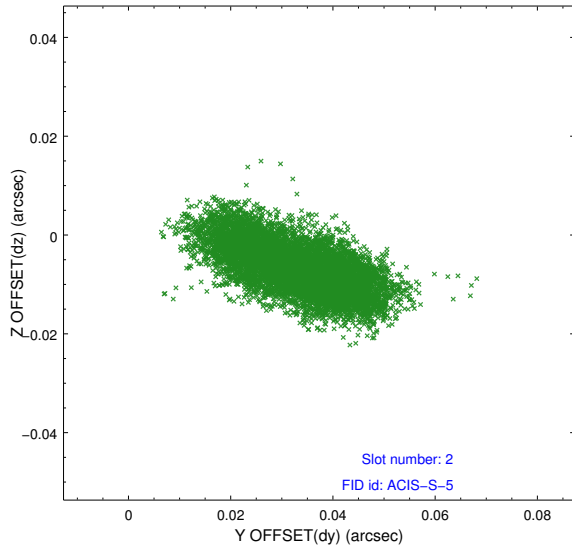
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.06

A.2 Comments