

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2987 - L2 Version 3
Chandra X-Ray Center

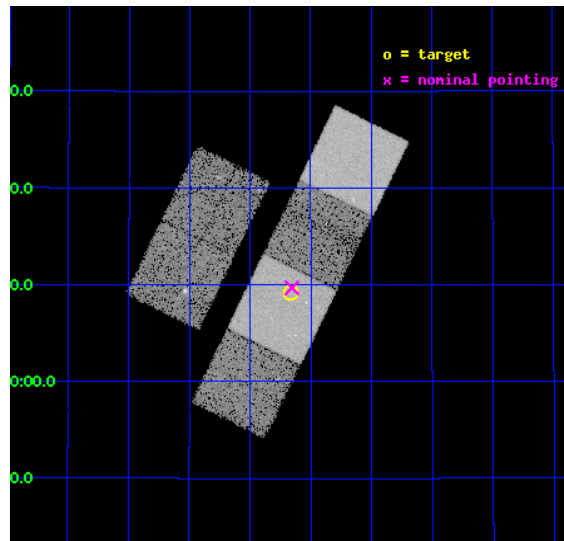
L2 Processing Date : Oct 11 2012

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1 Front

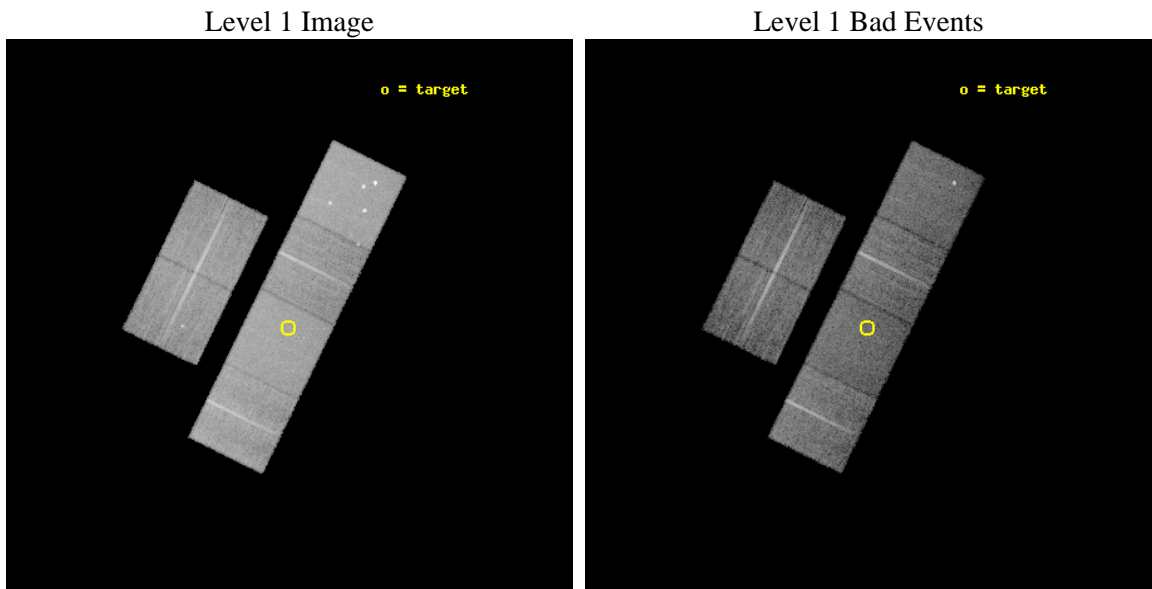
seq_num	700426	Sequence number
obs_id	2987	Observation id
title	CHANDRA OBSERVATIONS OF A POPULATION OF TYPE 2 QUASARS DISCOVERED IN THE DPOSS	Proposal title
observer	PROF. S. DJORGOVSKI	Principal investigator
object	PSS 0016+3209	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	4.042083	Observer's specified target RA [deg]
dec_targ	32.152222	Observer's specified target Dec [deg]
ra_nom	4.0388830045805	Nominal RA [deg]
dec_nom	32.161534897738	Nominal Dec [deg]
roll_nom	116.18369480342	Nominal Roll [deg]
revision	3	Processing version of data
ontime	13455.879811138	Sum of GTIs [s]
livetime	13285.493358811	Livetime [s]
ontime2	13455.920831263	Sum of GTIs [s]
ontime3	13455.75667125	Sum of GTIs [s]
ontime5	13455.838751256	Sum of GTIs [s]
ontime6	13455.797731131	Sum of GTIs [s]
ontime7	13455.879811138	Sum of GTIs [s]
ontime8	13452.474561334	Sum of GTIs [s]
l2events	147207	Number of level 2 events



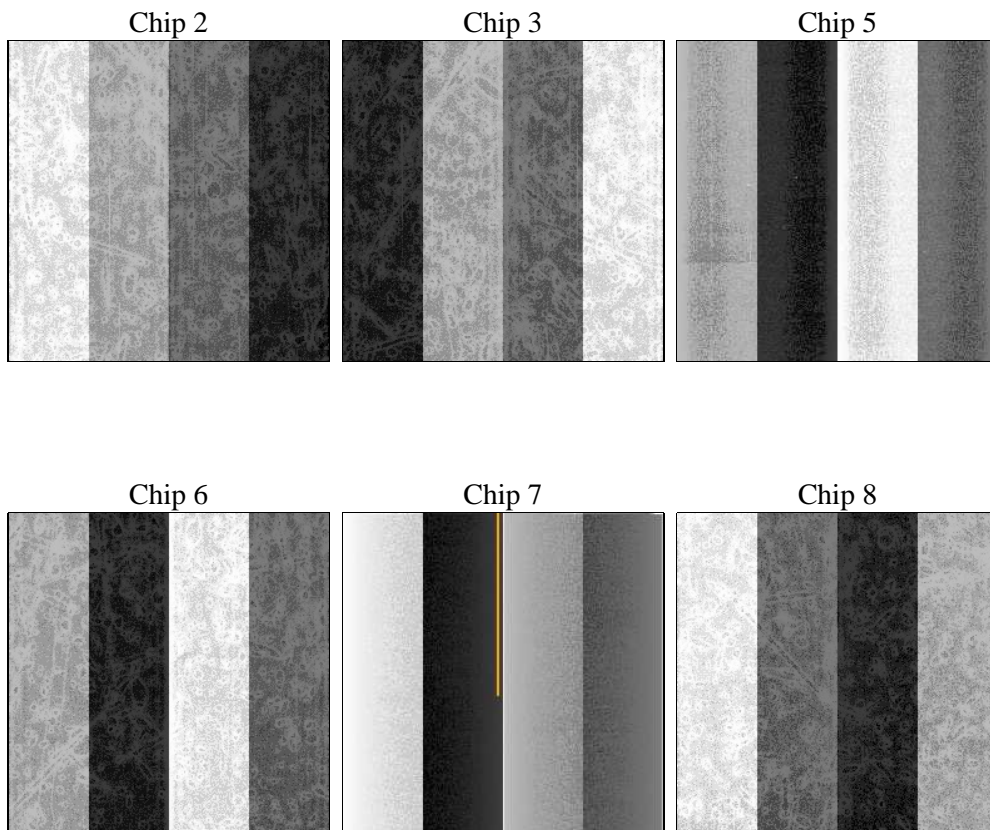
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	13455.879811138	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	13455.920831263	Sum of GTIs [s]
date	2012-10-11T12:39:01	Date and time of file creation	ontime3	13455.75667125	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	13455.838751256	Sum of GTIs [s]
			ontime6	13455.797731131	Sum of GTIs [s]
			ontime7	13455.879811138	Sum of GTIs [s]
			ontime8	13452.474561334	Sum of GTIs [s]
			l1events	642532	Number of level 1 events

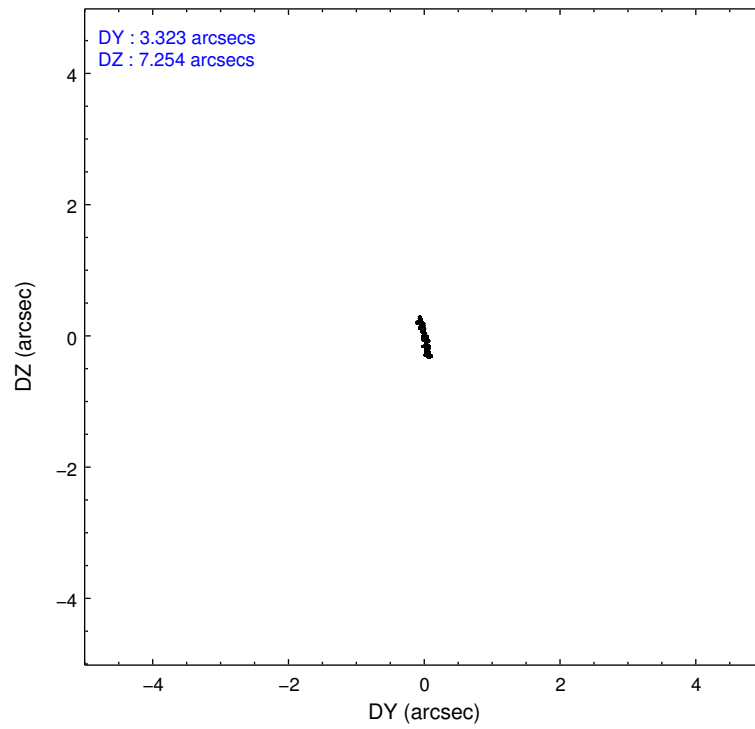
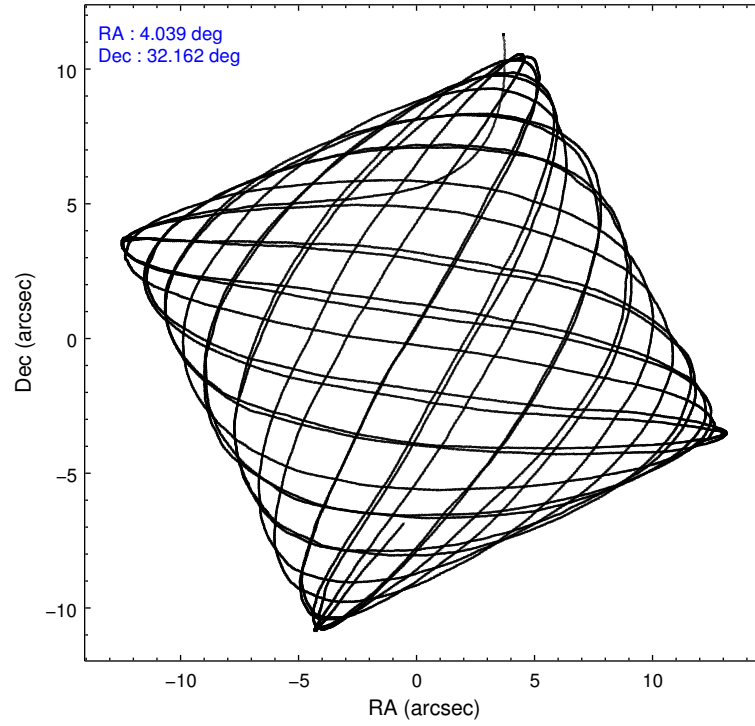
2.1.4 Events

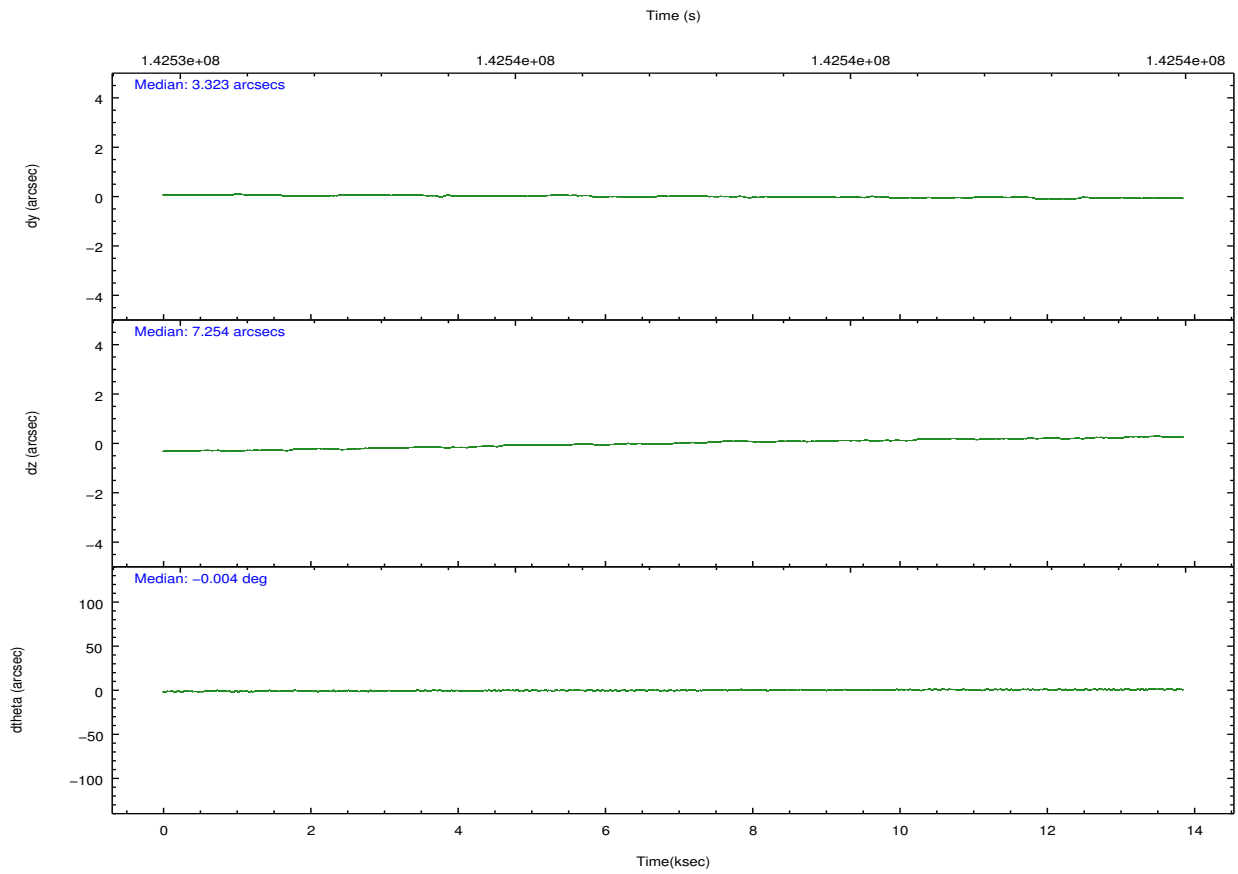
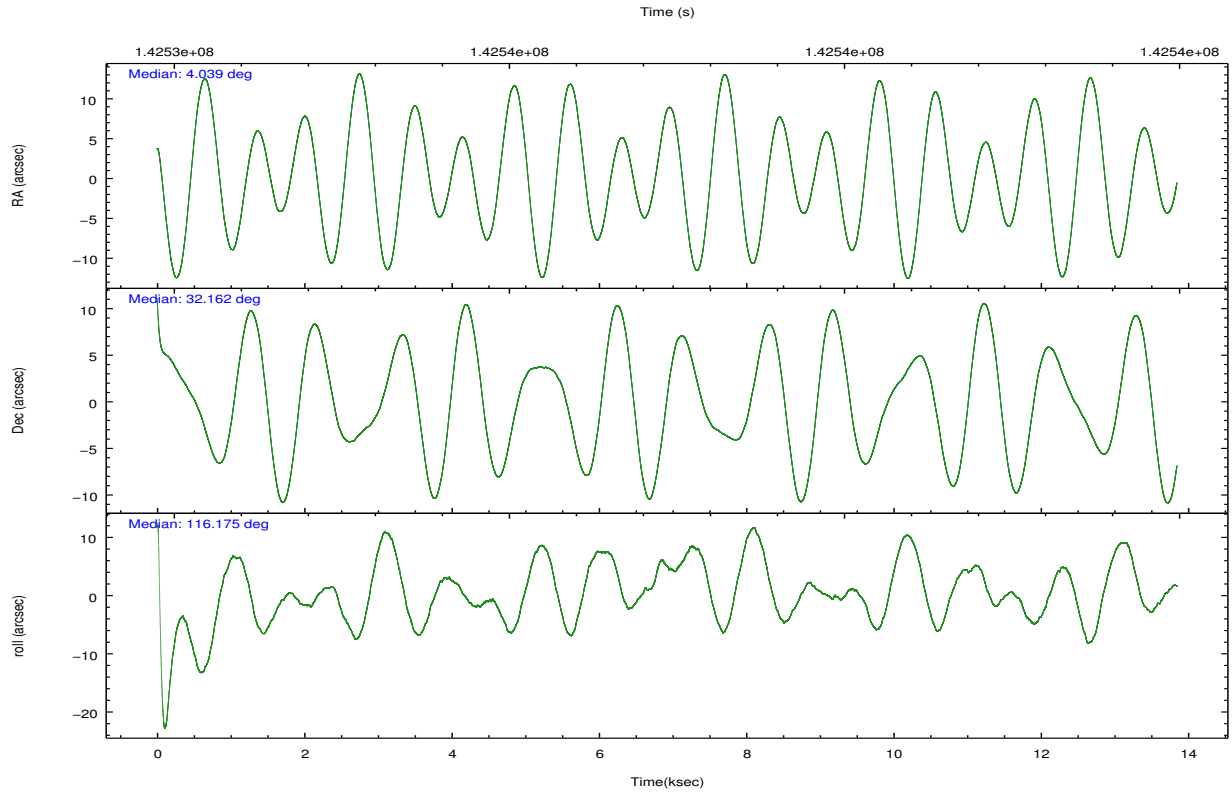
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	91946	88612	136223	90871	117658	117222	grade 0 events	4902	5055	10975	4621	4698	8359
rejected events	80851	77269	69327	79660	67027	90980		5%	5%	8%	5%	3%	7%
rejected %	87%	87%	50%	87%	56%	77%	grade 1 events	54	57	667	44	127	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	2320	2402	19349	2377	10005	5655
								2%	2%	14%	2%	8%	4%
							grade 3 events	989	974	2647	1055	4475	2938
								1%	1%	1%	1%	3%	2%
							grade 4 events	965	1010	2688	1006	4480	2768
								1%	1%	1%	1%	3%	2%
							grade 5 events	3082	3514	9586	3933	11143	4967
								3%	3%	7%	4%	9%	4%
							grade 6 events	1922	1907	31256	2157	26982	6530
								2%	2%	22%	2%	22%	5%
							grade 7 events	77712	73693	59055	75678	55748	85925
								84%	83%	43%	83%	47%	73%

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	4.065871	4.038883004580507	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.146664	32.16153489773824	Alternating exposures requested	N	N
[deg] Pointing Roll	116.012663	116.183694803423	[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)	142530573.184000	142529781.17358			
Observation start date	2002-07-08T15:48:29	2002-07-08T15:36:21			
[s] Observation end time (MET)	142544273.184000	142544604.72419			
Observation end date	2002-07-08T19:36:49	2002-07-08T19:43:24			
Read mode	TIMED	TIMED			

2.3 Aspect



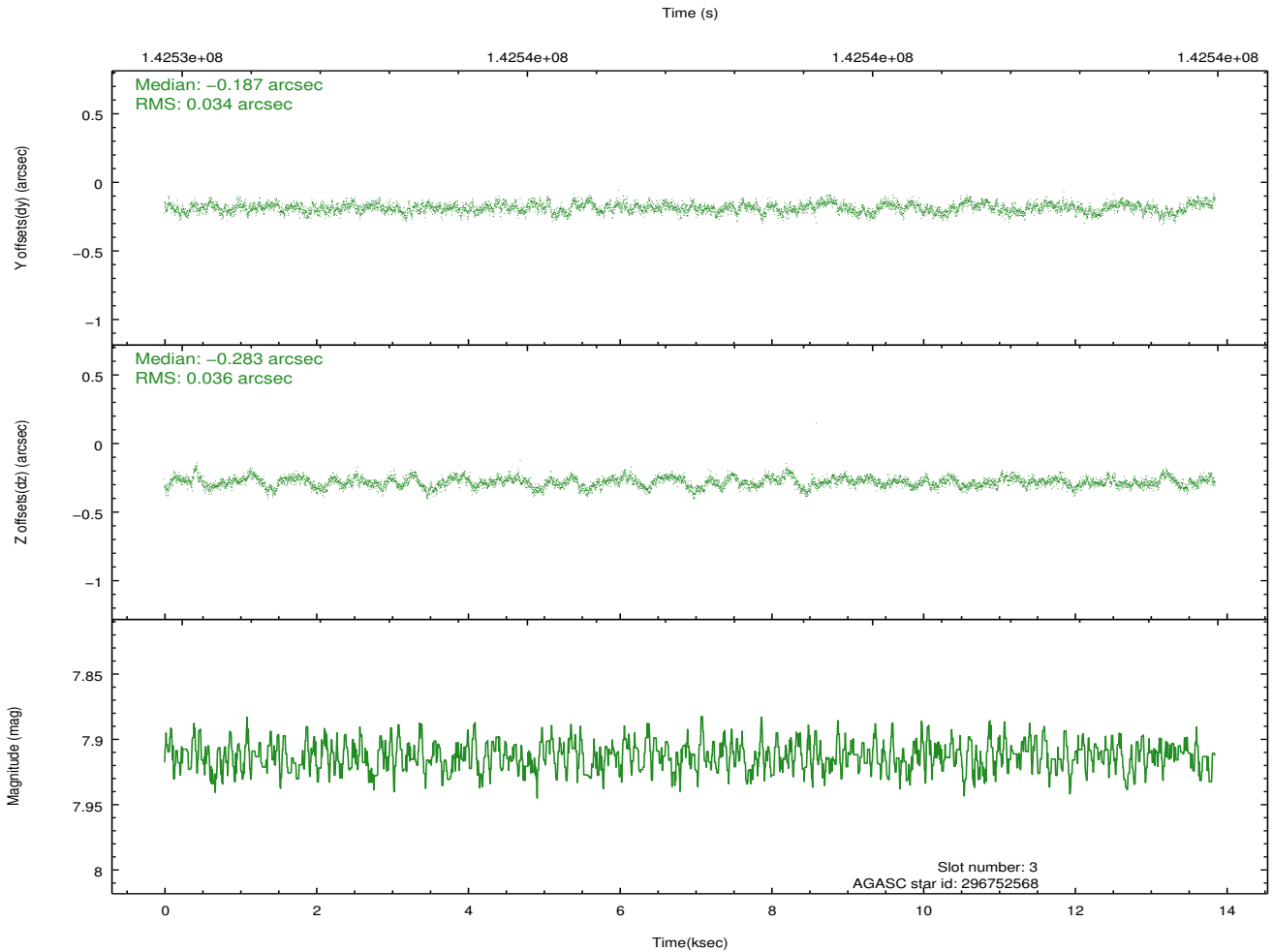
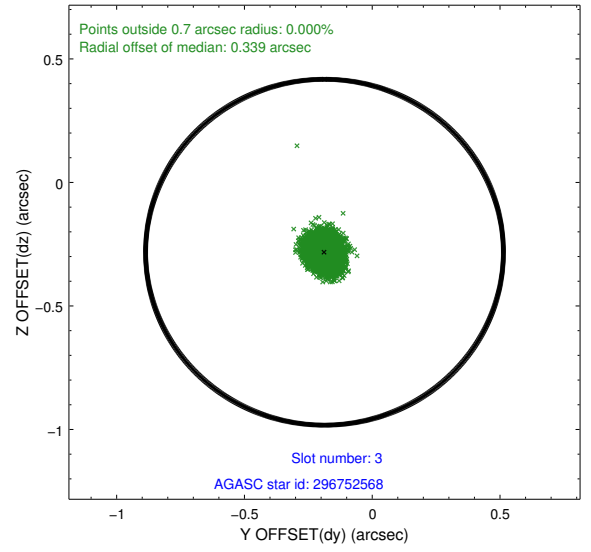
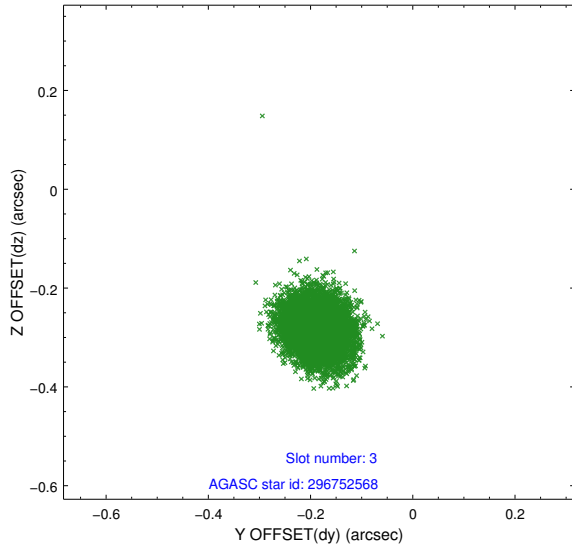


Slot Statistics

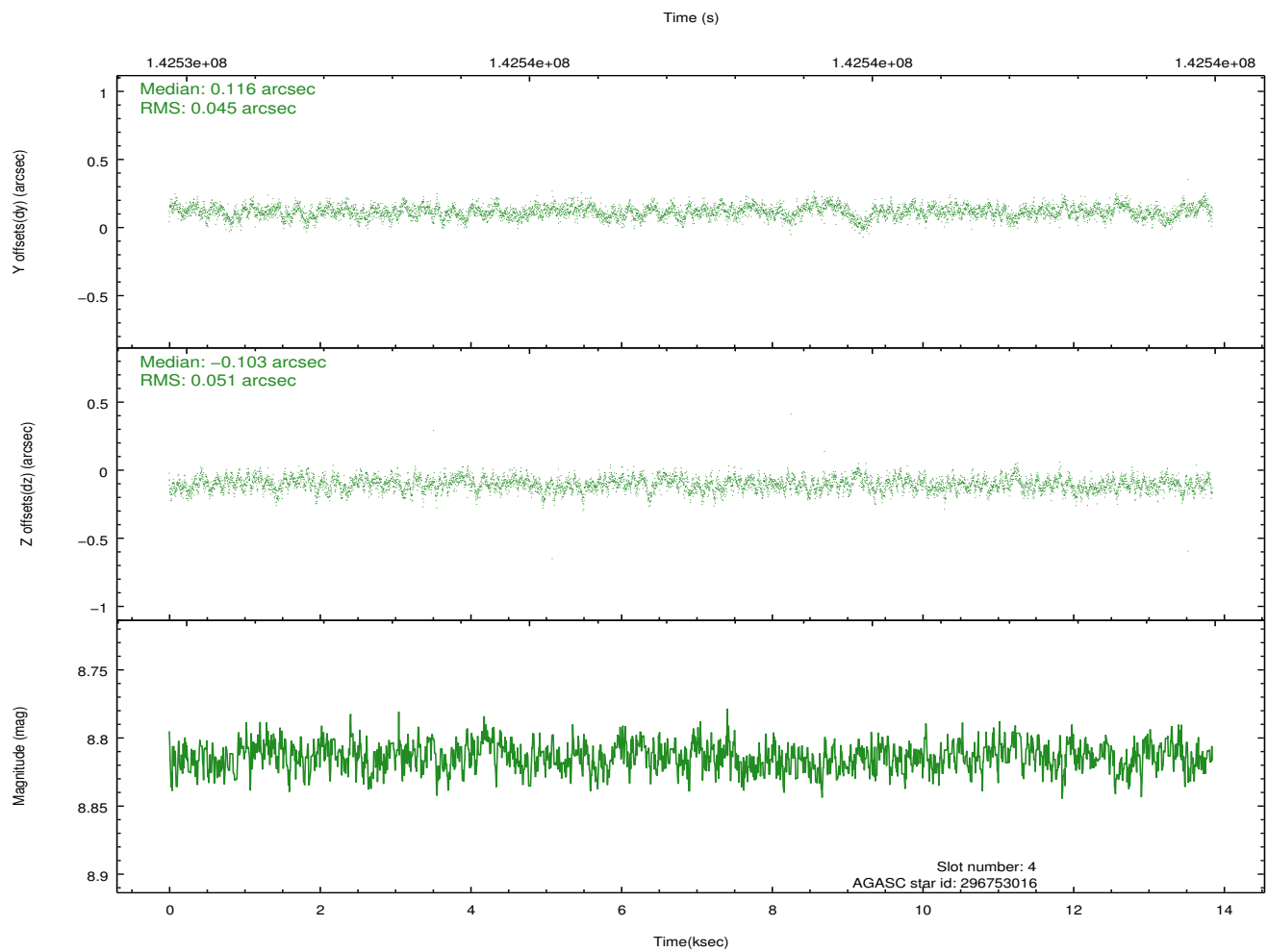
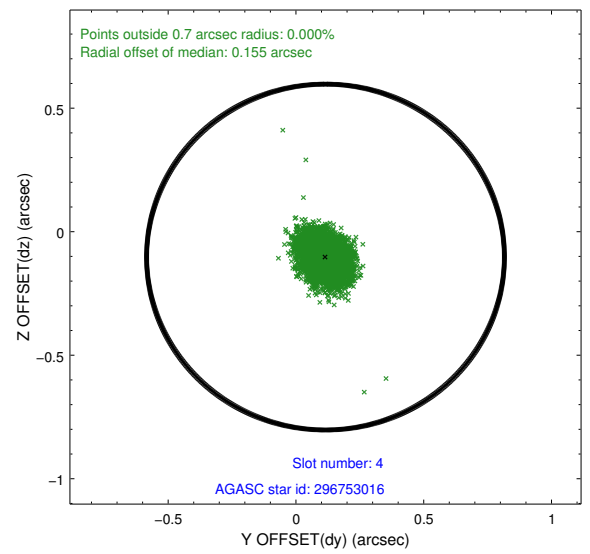
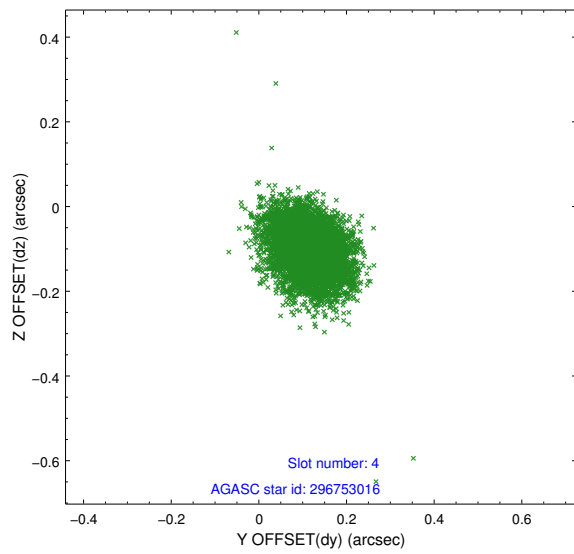
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3378	-0.015	-0.003	0.008	0.013	0.000000	0.000000	-755.99	-1728.37
1	FID	ACIS-S-4	7.20	3376	0.004	0.008	0.007	0.013	0.000000	0.000000	2157.15	179.77
2	FID	ACIS-S-5	7.24	3377	-0.020	0.004	0.007	0.012	0.000000	0.000000	-1808.40	173.83
3	GUIDE	296752568	7.91	6754	-0.187	-0.283	0.052	0.085	3.440928	32.556698	2161.97	1053.92
4	GUIDE	296753016	8.81	6753	0.116	-0.103	0.071	0.119	3.652161	32.072873	316.29	1249.20
5	GUIDE	296756544	9.70	6734	0.021	0.104	0.145	0.240	4.415090	32.967752	2195.03	-2245.03
6	GUIDE	296889120	9.92	6743	-0.089	0.219	0.126	0.207	4.532568	32.720252	1238.32	-2177.79
7	GUIDE	296751032	9.86	6753	0.146	0.064	0.125	0.203	4.347384	32.502054	775.61	-1330.41

2.4 Star Slots

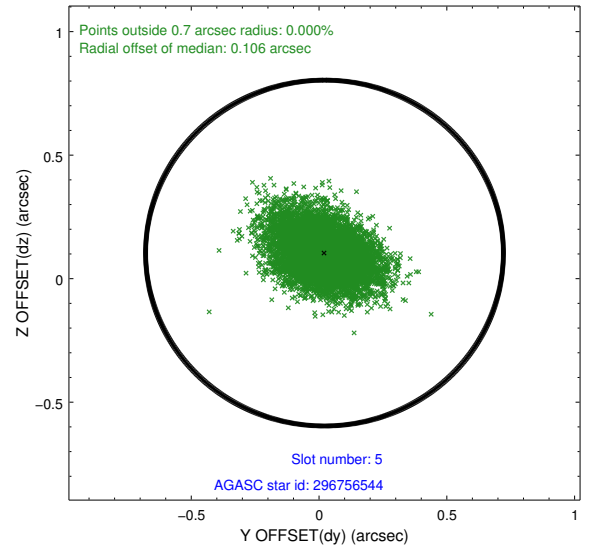
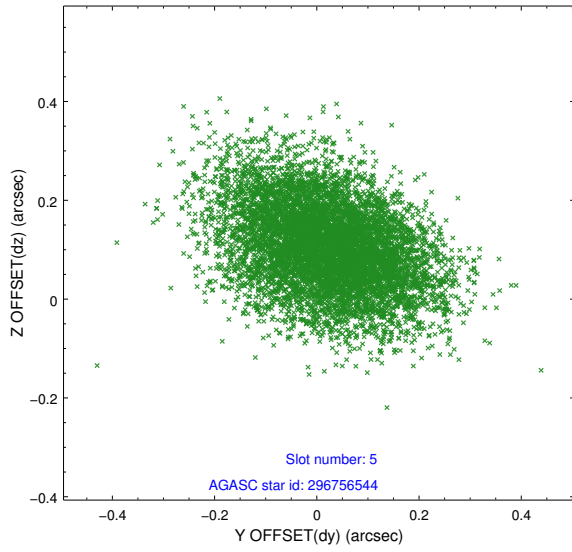
2.4.1 Slot 3



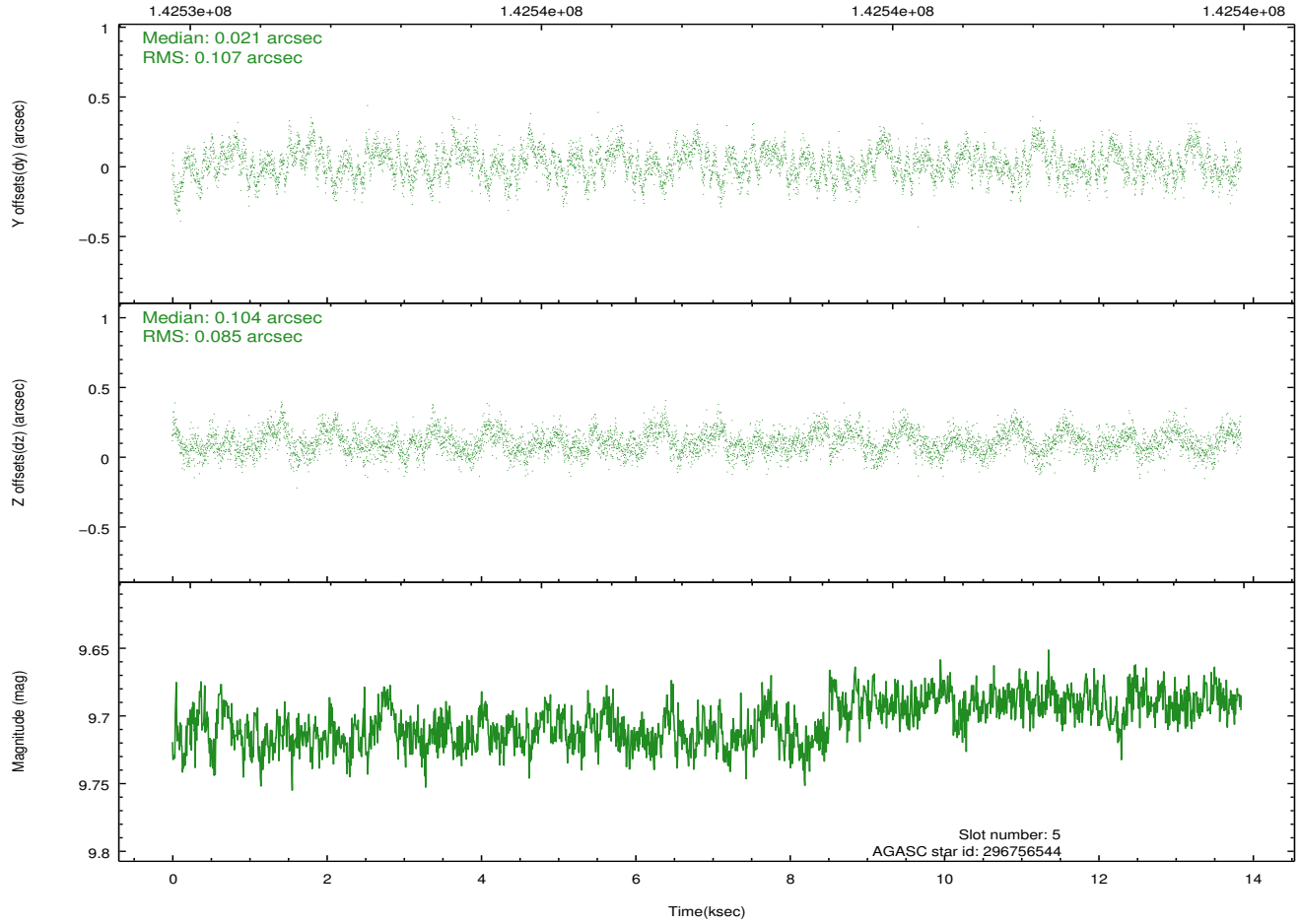
2.4.2 Slot 4



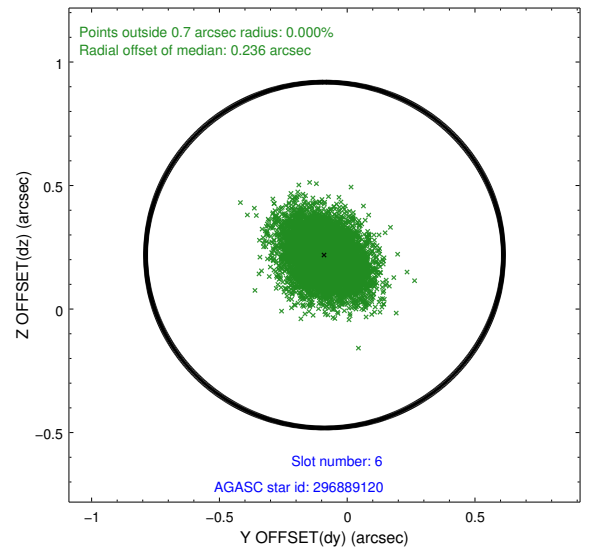
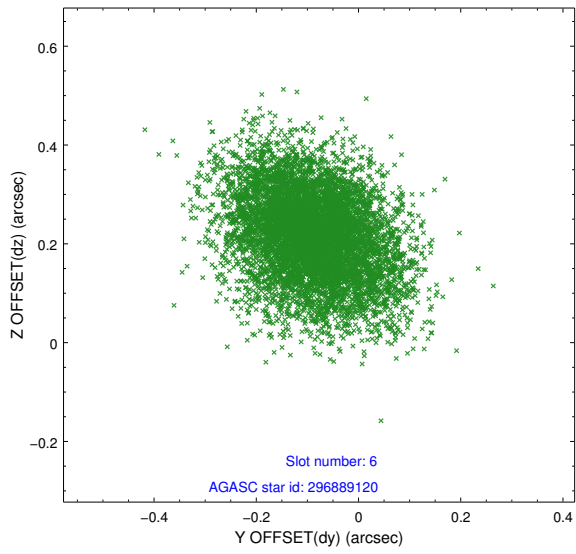
2.4.3 Slot 5



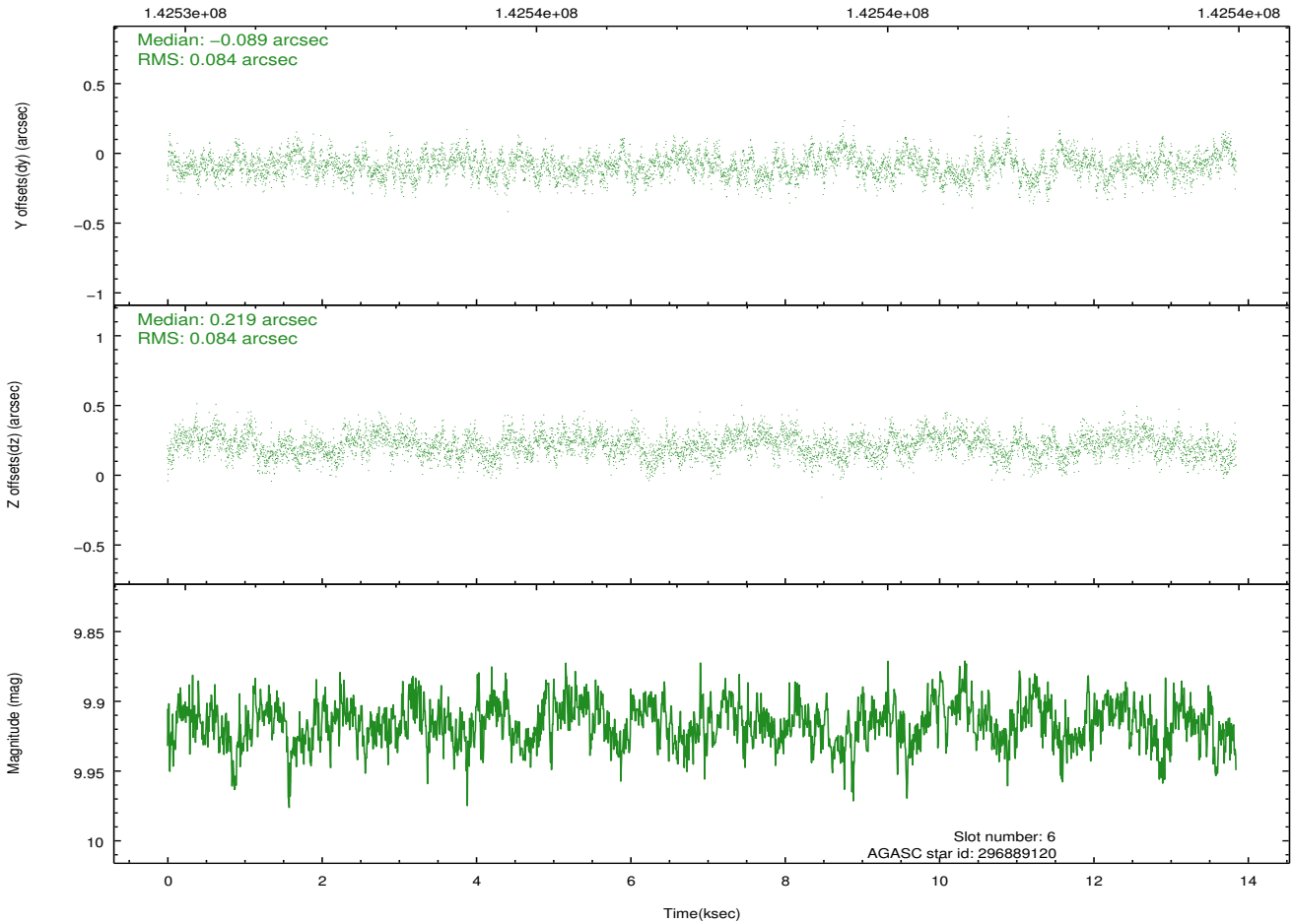
Time (s)



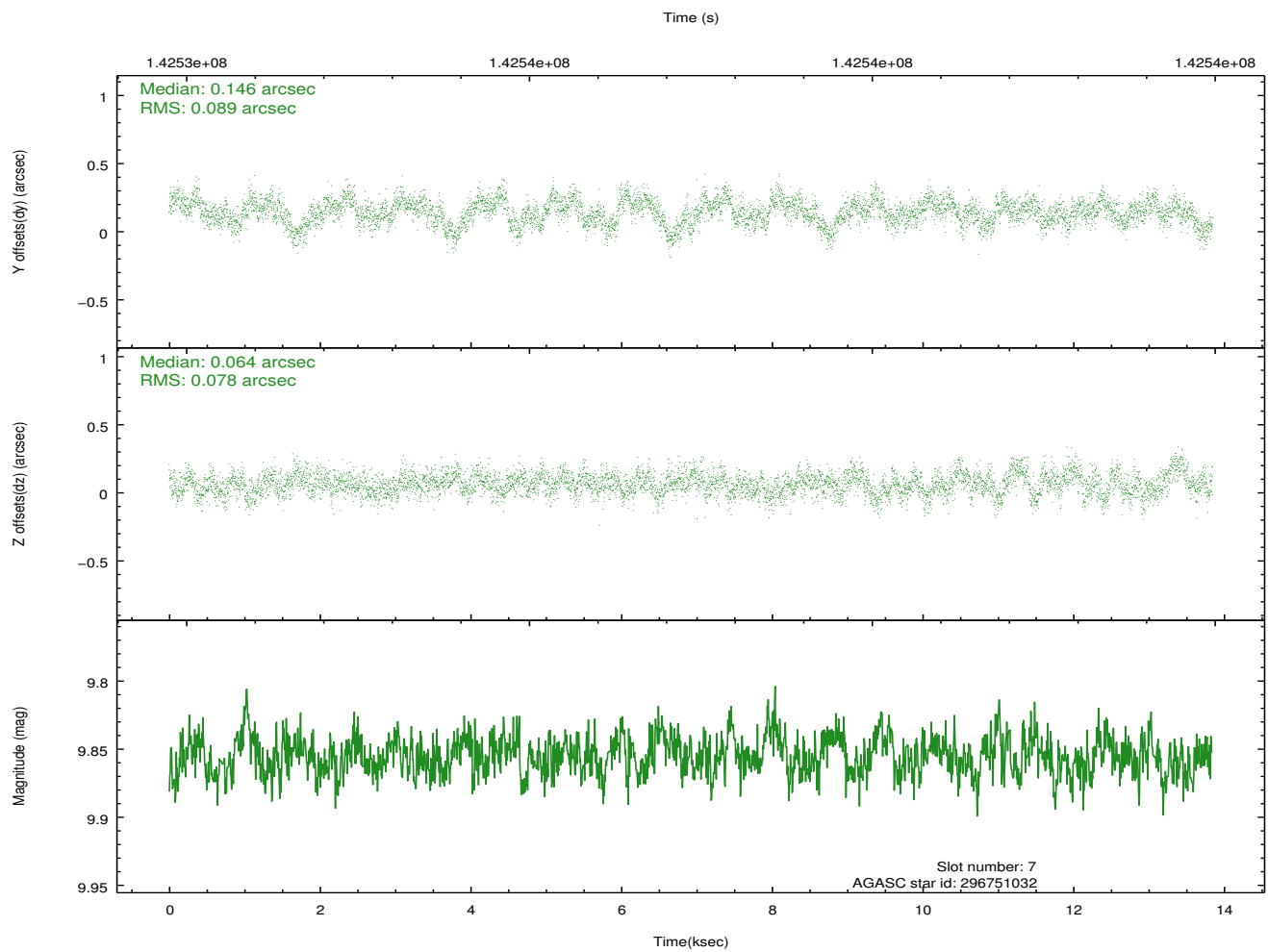
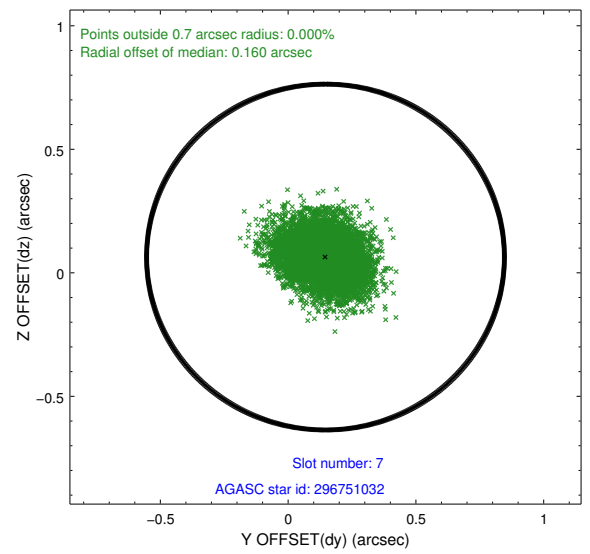
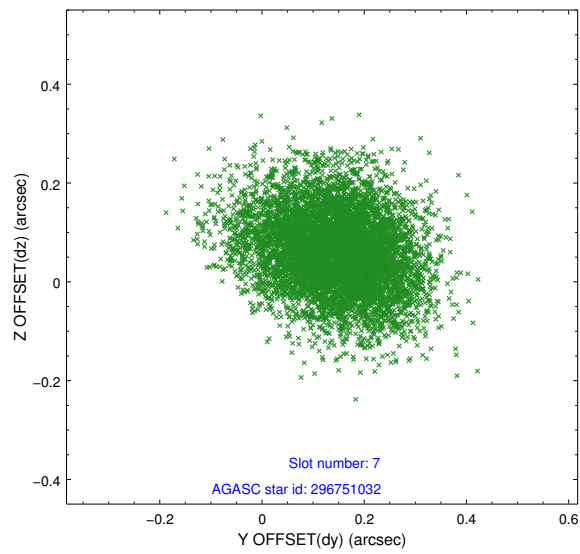
2.4.4 Slot 6



Time (s)

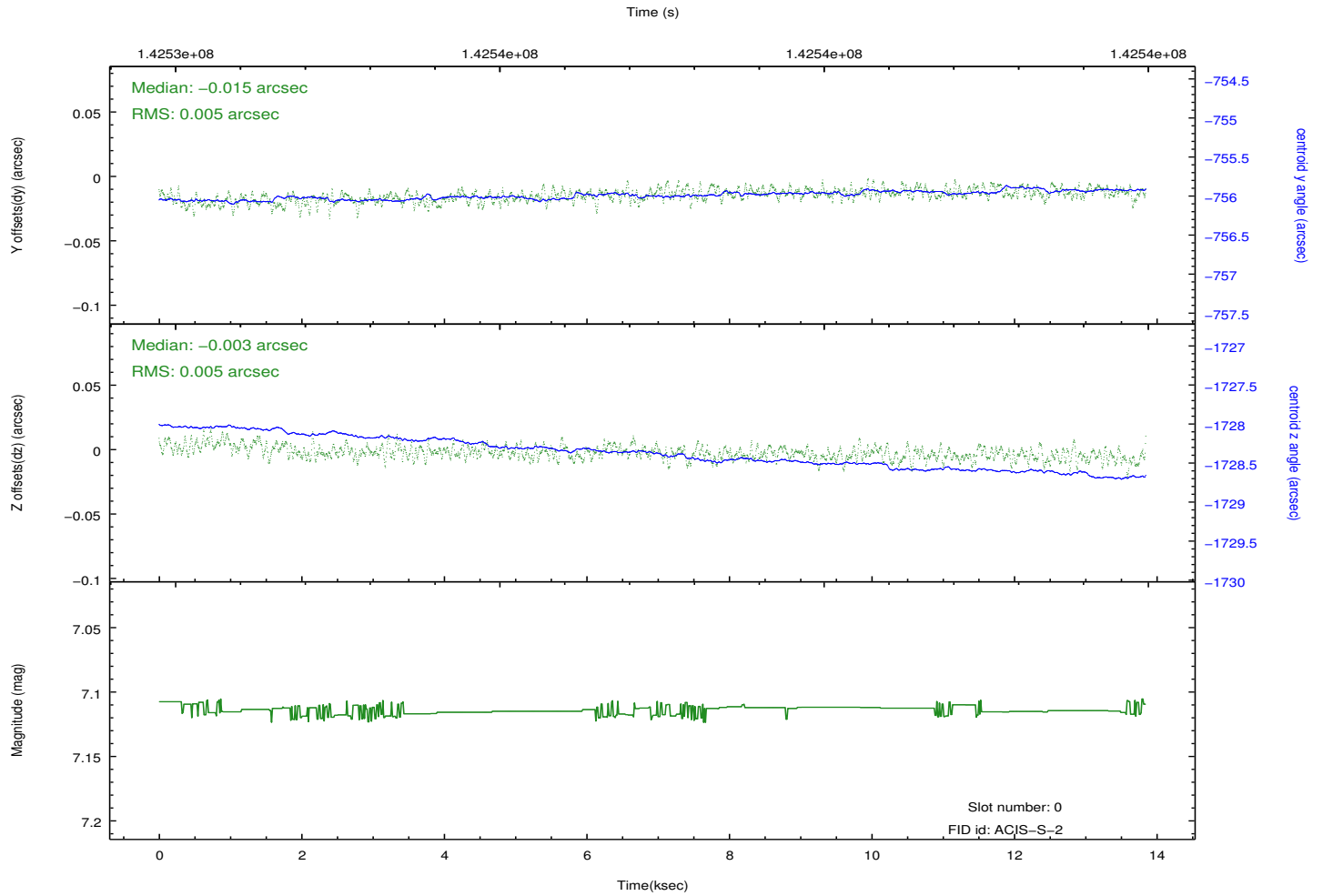
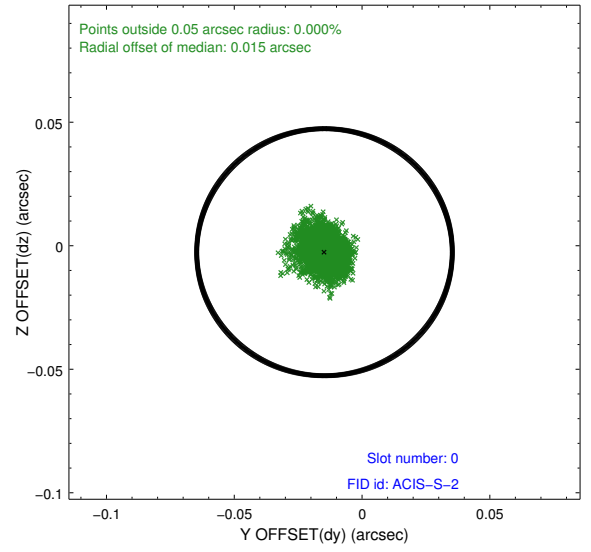
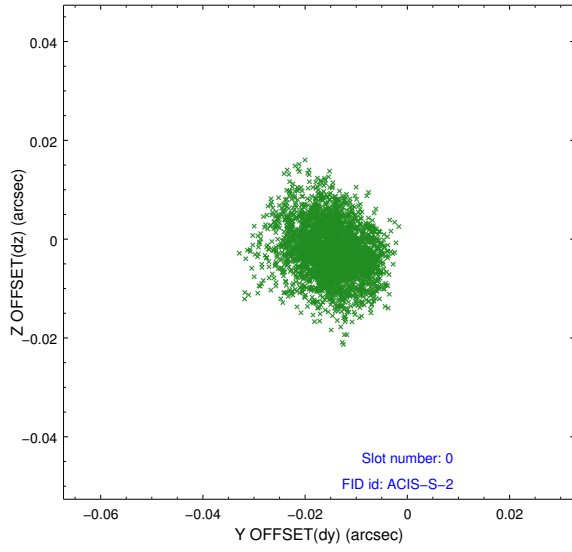


2.4.5 Slot 7

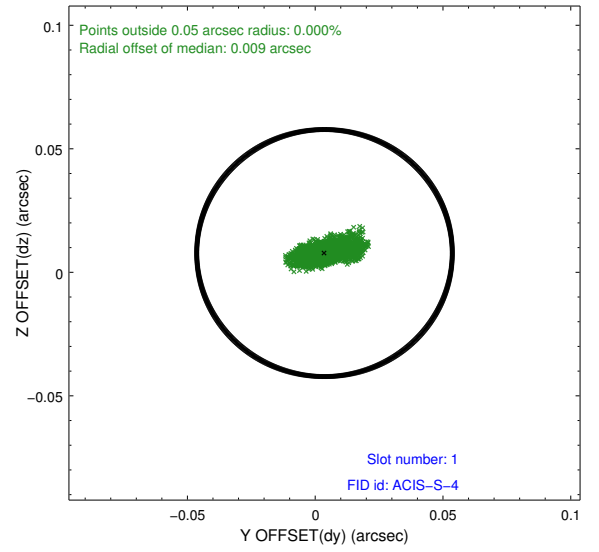
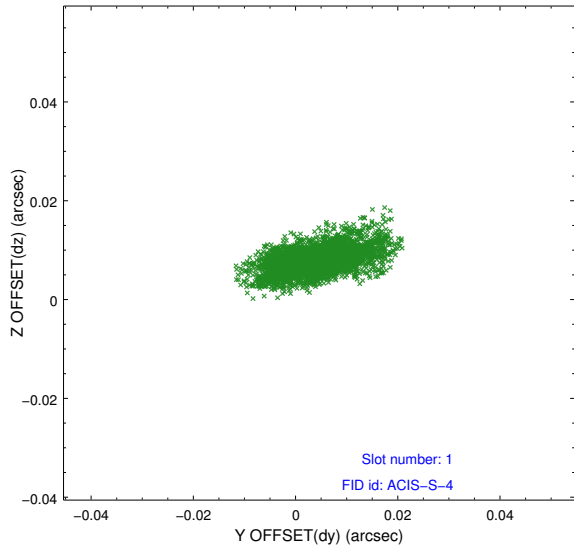


2.5 FID Slots

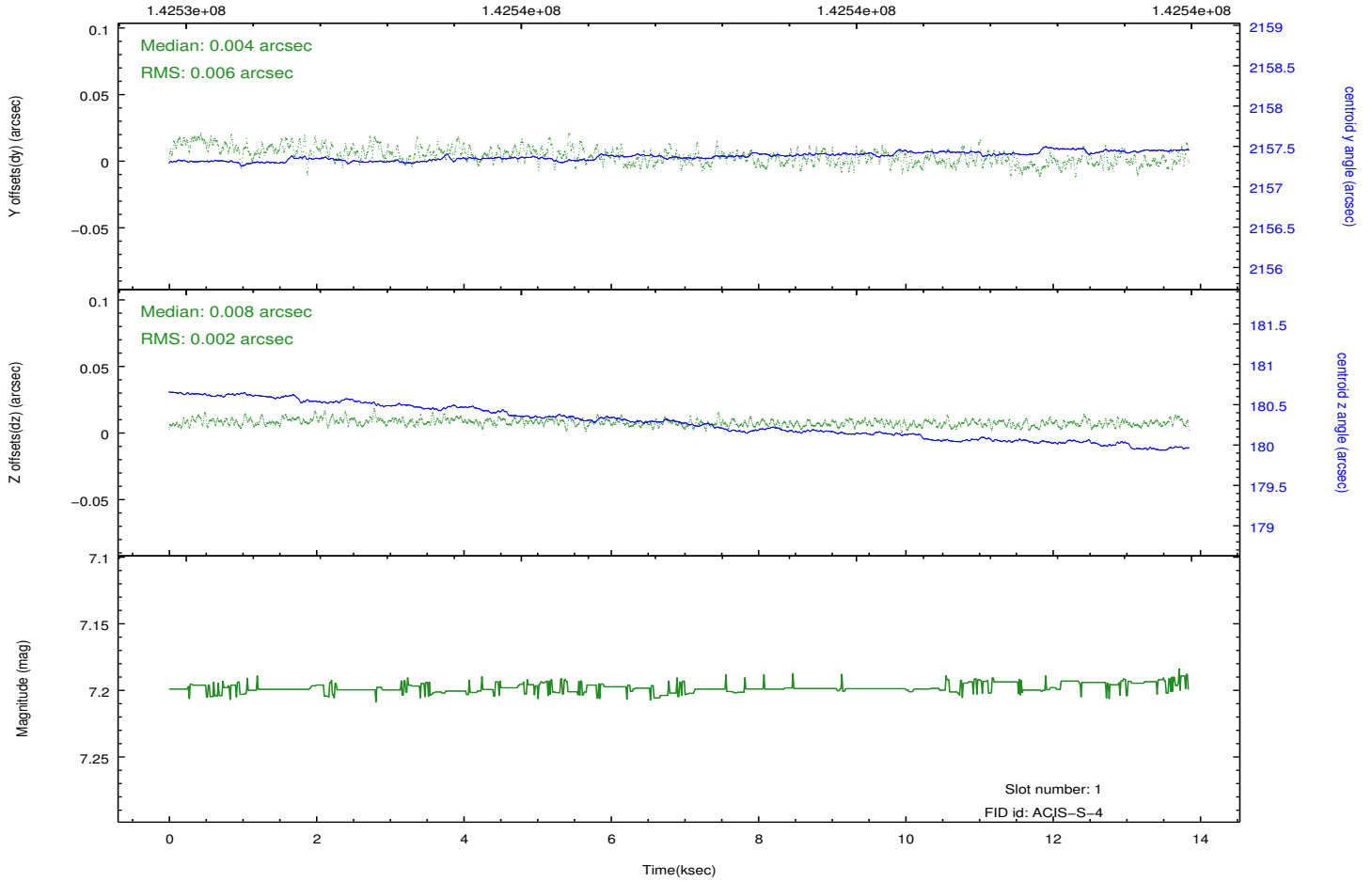
2.5.1 Slot 0



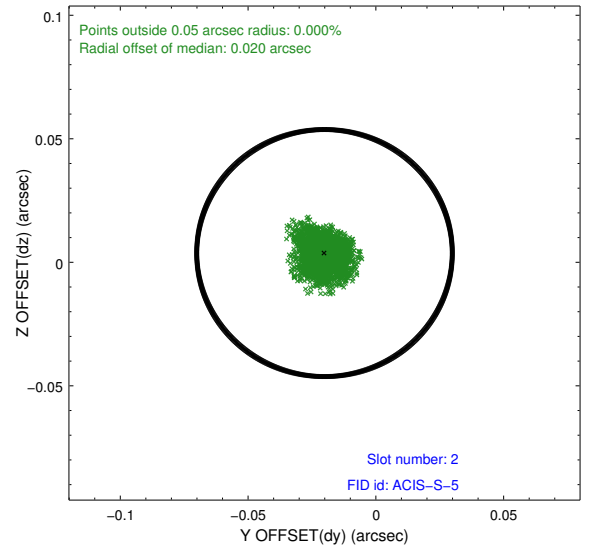
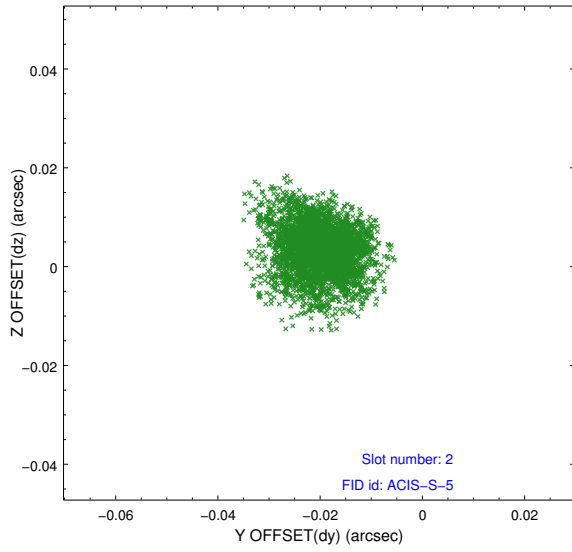
2.5.2 Slot 1



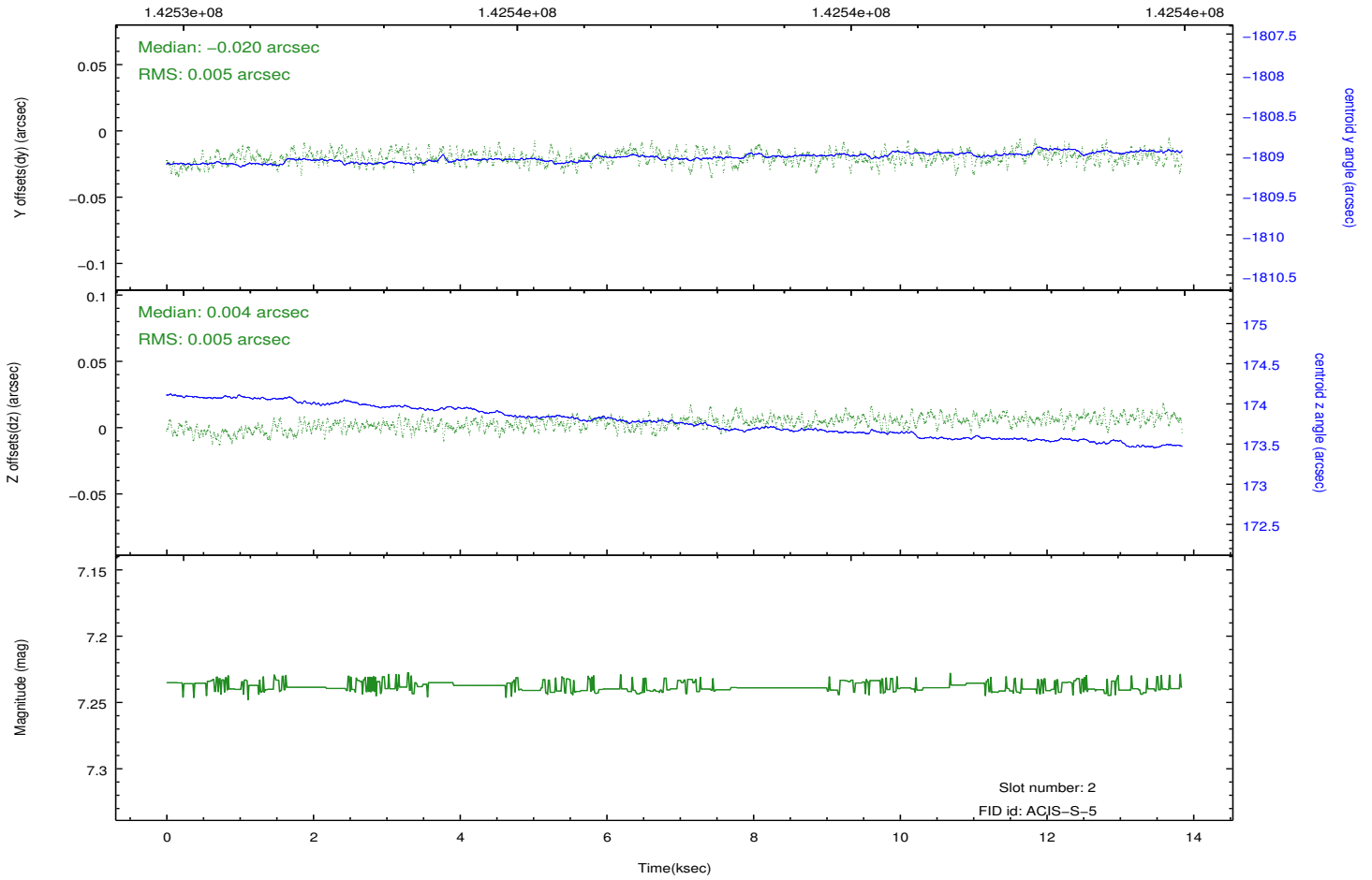
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.455

A.2 Comments