

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7252 - L2 Version 2
Chandra X-Ray Center

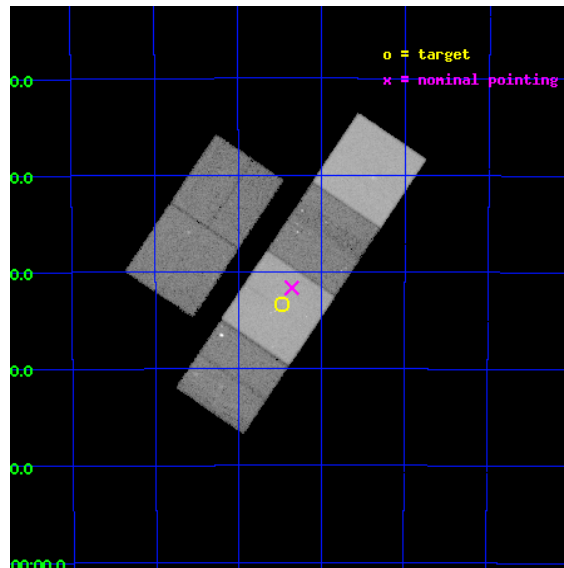
L2 Processing Date : Mar 30 2012

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1 Front

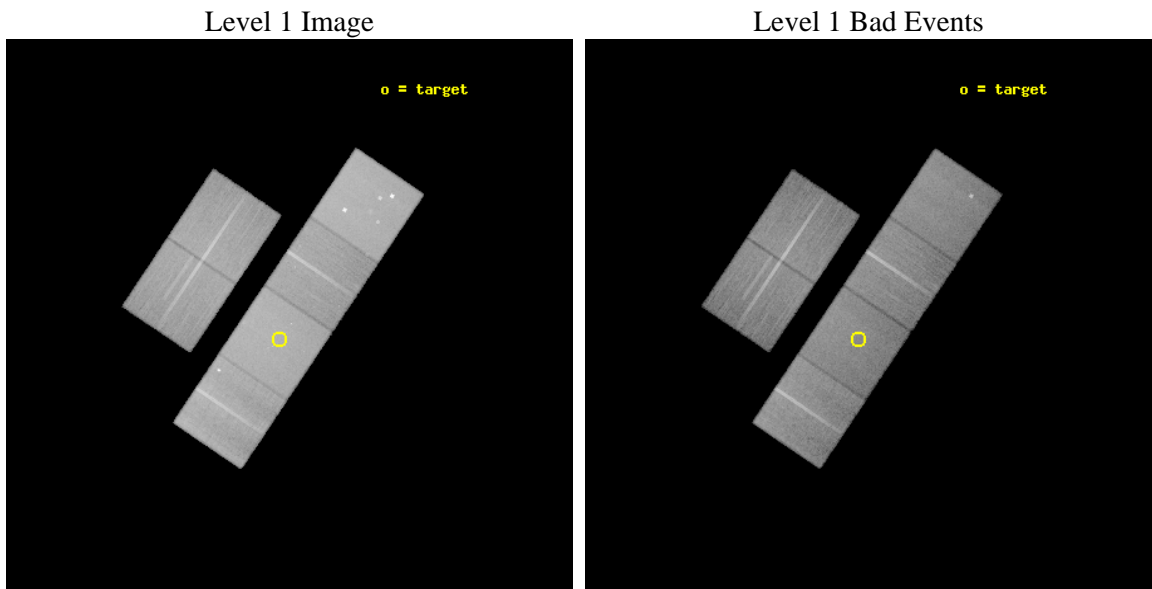
seq_num	600498	Sequence number
obs_id	7252	Observation id
title	Extraplanar Hot Gas and Radio Galactic Halos	Proposal title
observer	Prof. Q. Daniel Wang	Principal investigator
object	NGC 7090	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	324.119167	Observer's specified target RA [deg]
dec_targ	-54.55675	Observer's specified target Dec [deg]
ra_nom	324.08908678834	Nominal RA [deg]
dec_nom	-54.527671783461	Nominal Dec [deg]
roll_nom	123.92743366952	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31020.606078029	Sum of GTIs [s]
livetime	30627.804485502	Livetime [s]
ontime2	30745.164813101	Sum of GTIs [s]
ontime3	30958.904711783	Sum of GTIs [s]
ontime5	31020.565038025	Sum of GTIs [s]
ontime6	30962.186652482	Sum of GTIs [s]
ontime7	31020.606078029	Sum of GTIs [s]
ontime8	30991.273185521	Sum of GTIs [s]
l2events	520338	Number of level 2 events



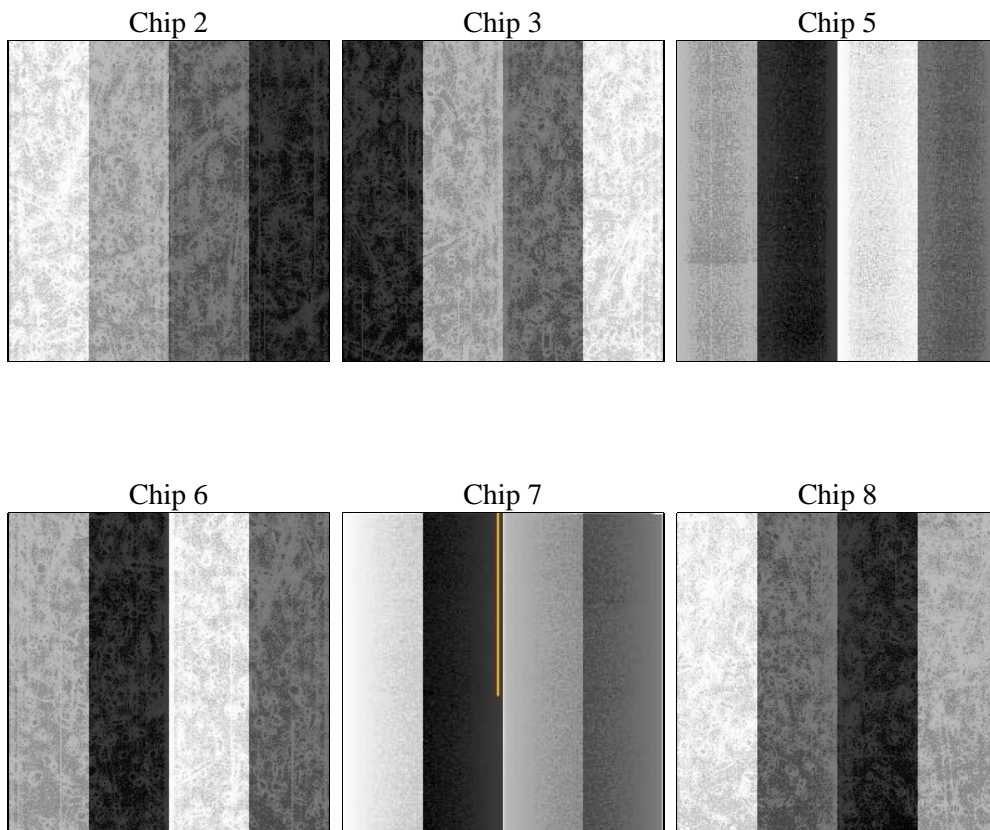
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	31020.606078029	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	30745.164813101	Sum of GTIs [s]
date	2012-03-30T06:10:59	Date and time of file creation	ontime3	30958.904711783	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	31020.565038025	Sum of GTIs [s]
			ontime6	30962.186652482	Sum of GTIs [s]
			ontime7	31020.606078029	Sum of GTIs [s]
			ontime8	30991.273185521	Sum of GTIs [s]
			l1events	2023151	Number of level 1 events

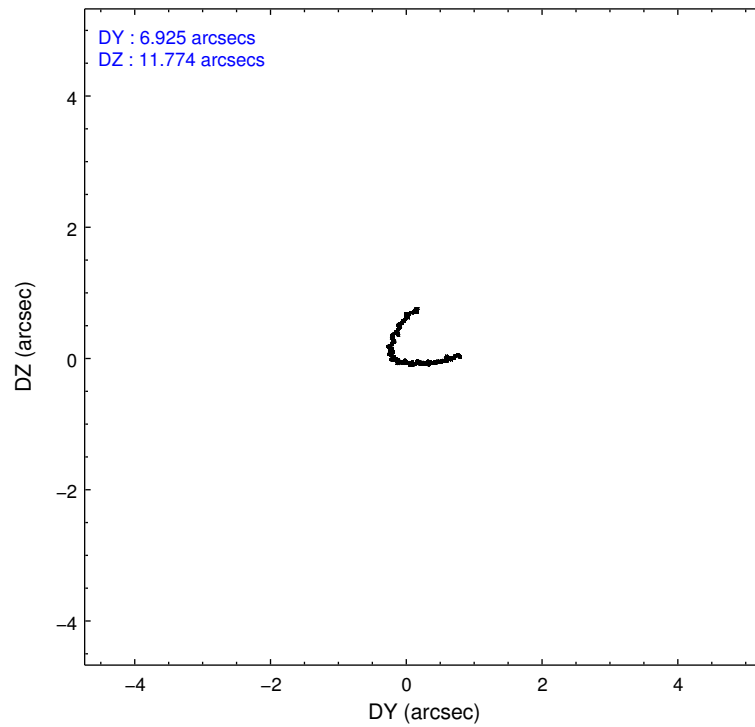
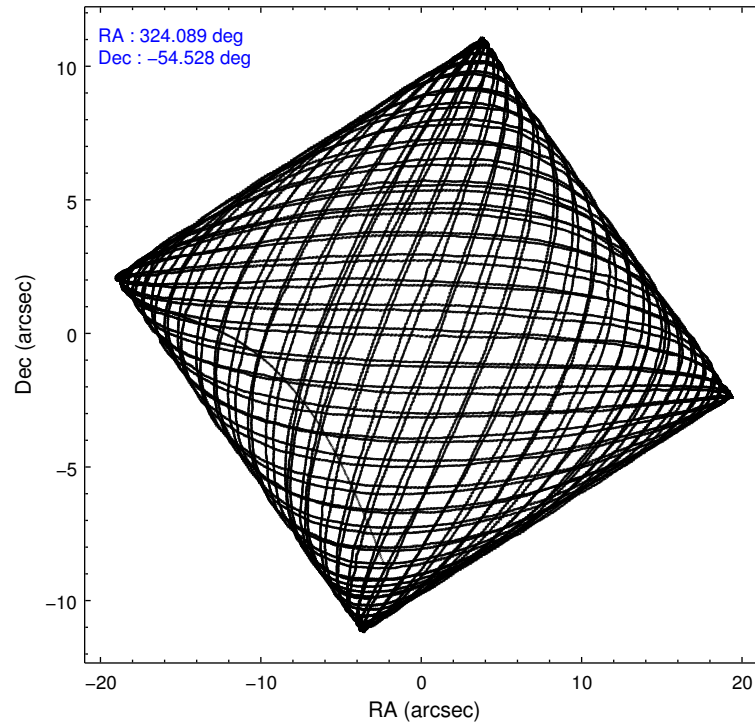
2.1.4 Events

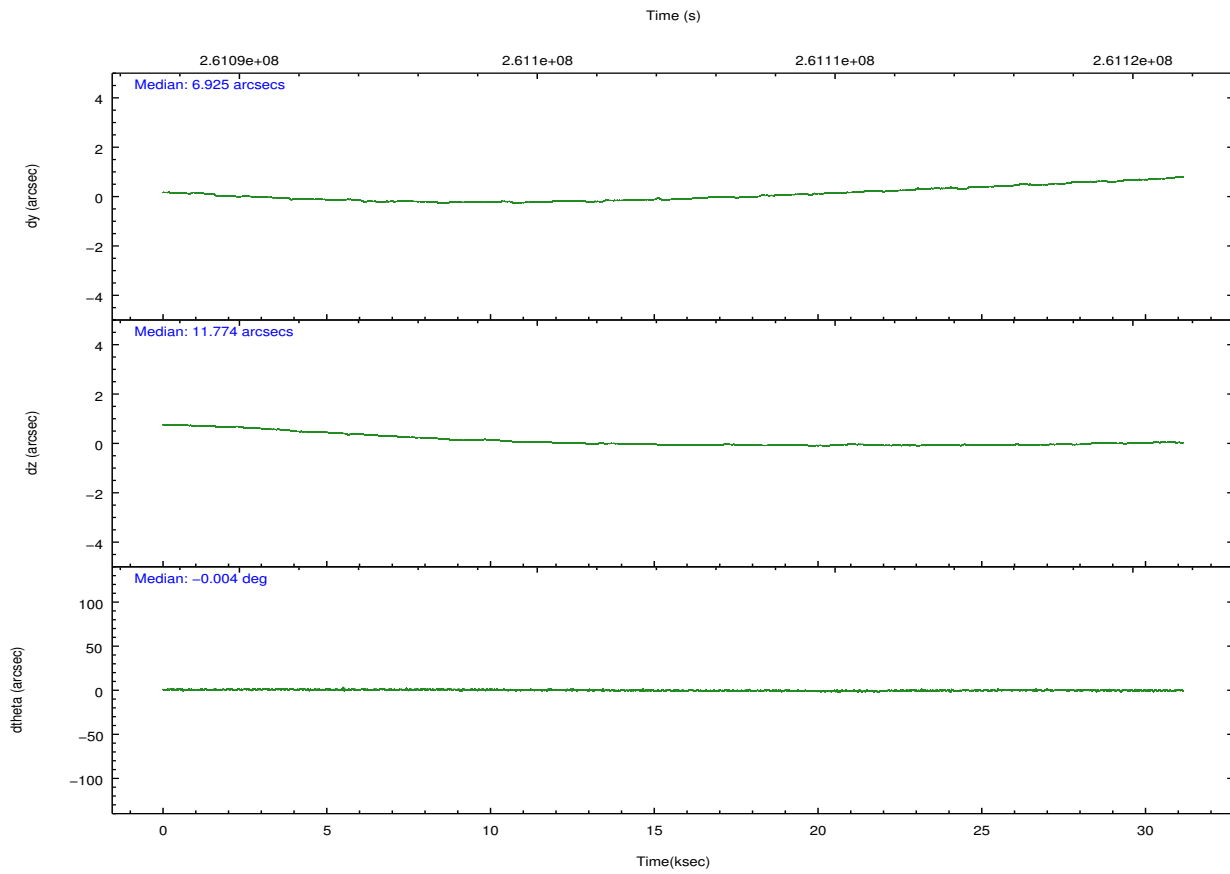
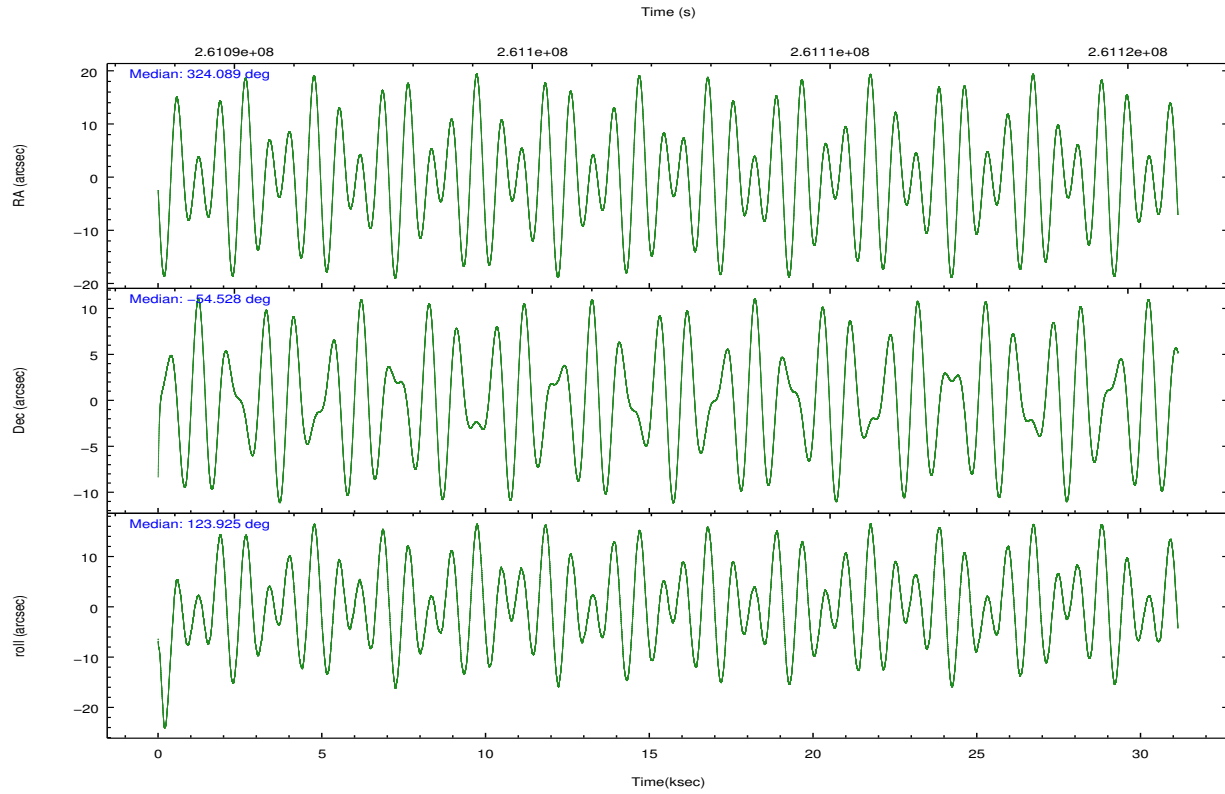
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	287060	271377	435653	282106	386120	360835	grade 0 events	22573	22111	27674	22322	15752	36215
rejected events	244642	229103	222172	237763	213722	270035		7%	8%	6%	7%	4%	10%
rejected %	85%	84%	50%	84%	55%	74%	grade 1 events	250	214	2162	185	402	272
								0%	0%	0%	0%	0%	0%
							grade 2 events	7800	7265	63352	8275	33648	18079
								2%	2%	14%	2%	8%	5%
							grade 3 events	3211	3390	8069	3320	14597	8486
								1%	1%	1%	1%	3%	2%
							grade 4 events	3281	3420	7969	3386	14750	8046
								1%	1%	1%	1%	3%	2%
							grade 5 events	10663	11953	30081	12740	34941	16787
								3%	4%	6%	4%	9%	4%
							grade 6 events	5566	6109	106471	7064	93699	19996
								1%	2%	24%	2%	24%	5%
							grade 7 events	233716	216915	189875	224814	178331	252954
								81%	79%	43%	79%	46%	70%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	324.131555	324.0890867883412	Subarray requested	NONE	NONE
[deg] Pointing Dec	-54.539310	-54.52767178346075	Alternating exposures requested	N	N
[deg] Pointing Roll	123.805395	123.927433669519	[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)	261089134.184000	261088140.5667			
Observation start date	2006-04-10T20:44:29	2006-04-10T20:29:00			
[s] Observation end time (MET)	261120134.184000	261120800.65572			
Observation end date	2006-04-11T05:21:09	2006-04-11T05:33:20			
Read mode	TIMED	TIMED			

2.3 Aspect



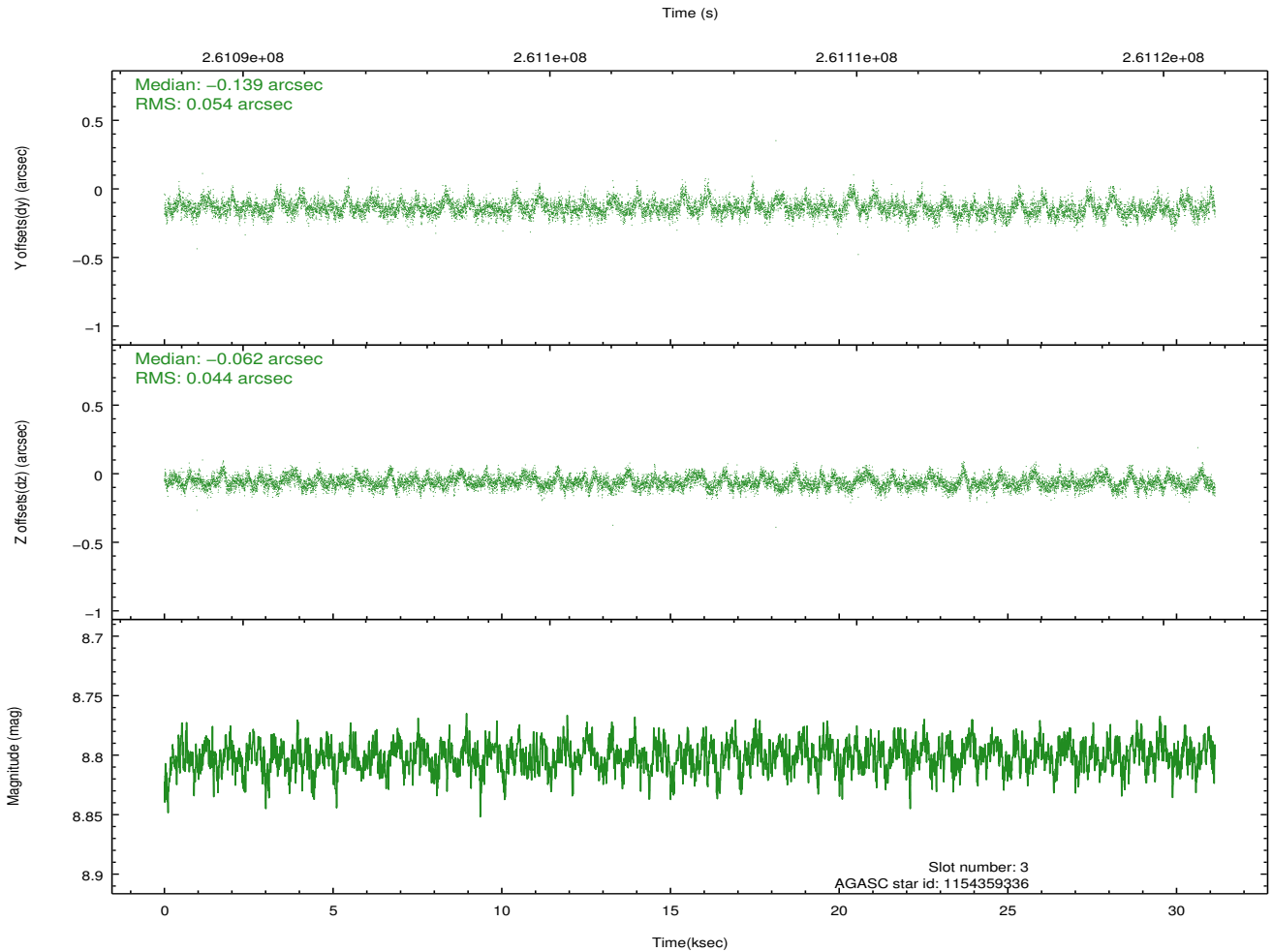
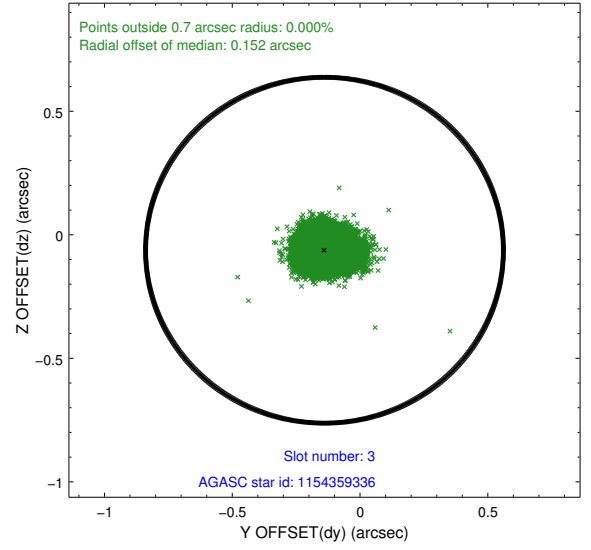
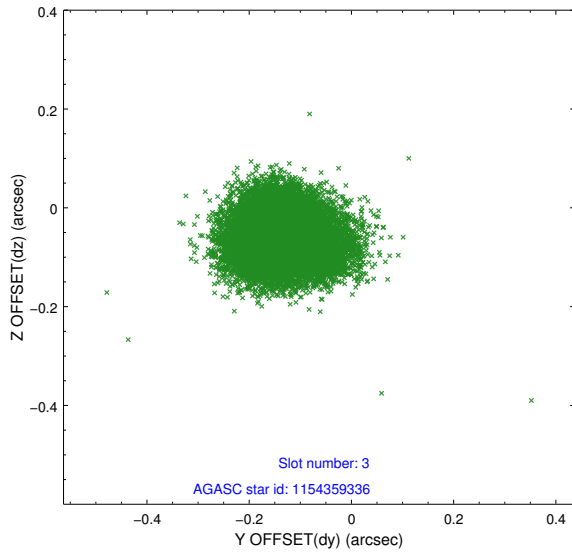


Slot Statistics

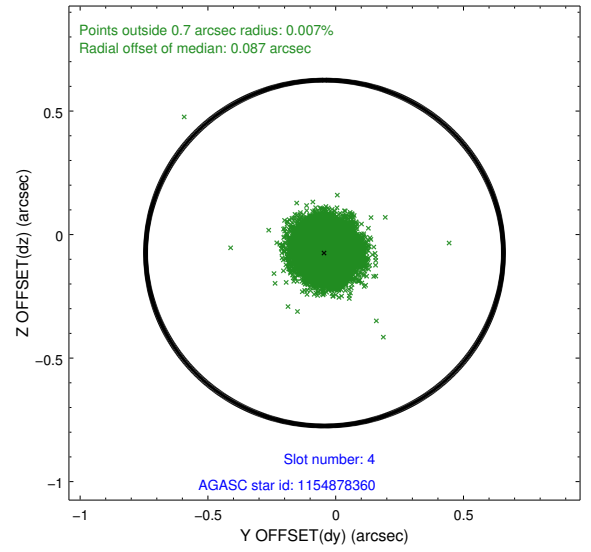
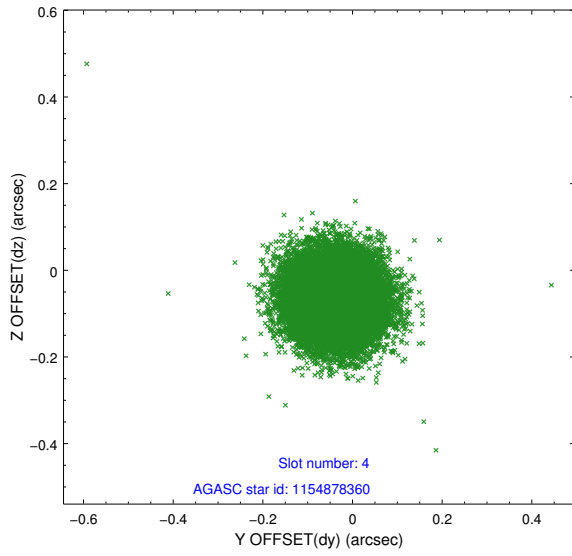
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	7594	0.020	-0.079	0.010	0.019	0.000000	0.000000	936.23	-1728.87
1	FID	ACIS-S-2	7.10	7594	-0.078	0.003	0.010	0.020	0.000000	0.000000	-759.73	-1733.36
2	FID	ACIS-S-4	7.20	7595	0.033	0.080	0.013	0.021	0.000000	0.000000	2153.51	175.35
3	GUIDE	1154359336	8.80	15177	-0.139	-0.062	0.074	0.121	323.363639	-54.155120	2042.62	580.69
4	GUIDE	1154878360	9.05	15175	-0.044	-0.075	0.084	0.136	323.774719	-54.584360	277.67	709.69
5	GUIDE	1154879464	8.73	15184	0.033	0.156	0.076	0.122	324.750957	-54.864580	-1691.44	-411.48
6	GUIDE	1154879520	9.31	15114	0.010	0.189	0.115	0.191	324.072340	-54.431264	391.98	-113.17
7	GUIDE	1154883040	9.20	15184	0.137	-0.213	0.091	0.150	324.017513	-55.266818	-2046.02	1651.47

2.4 Star Slots

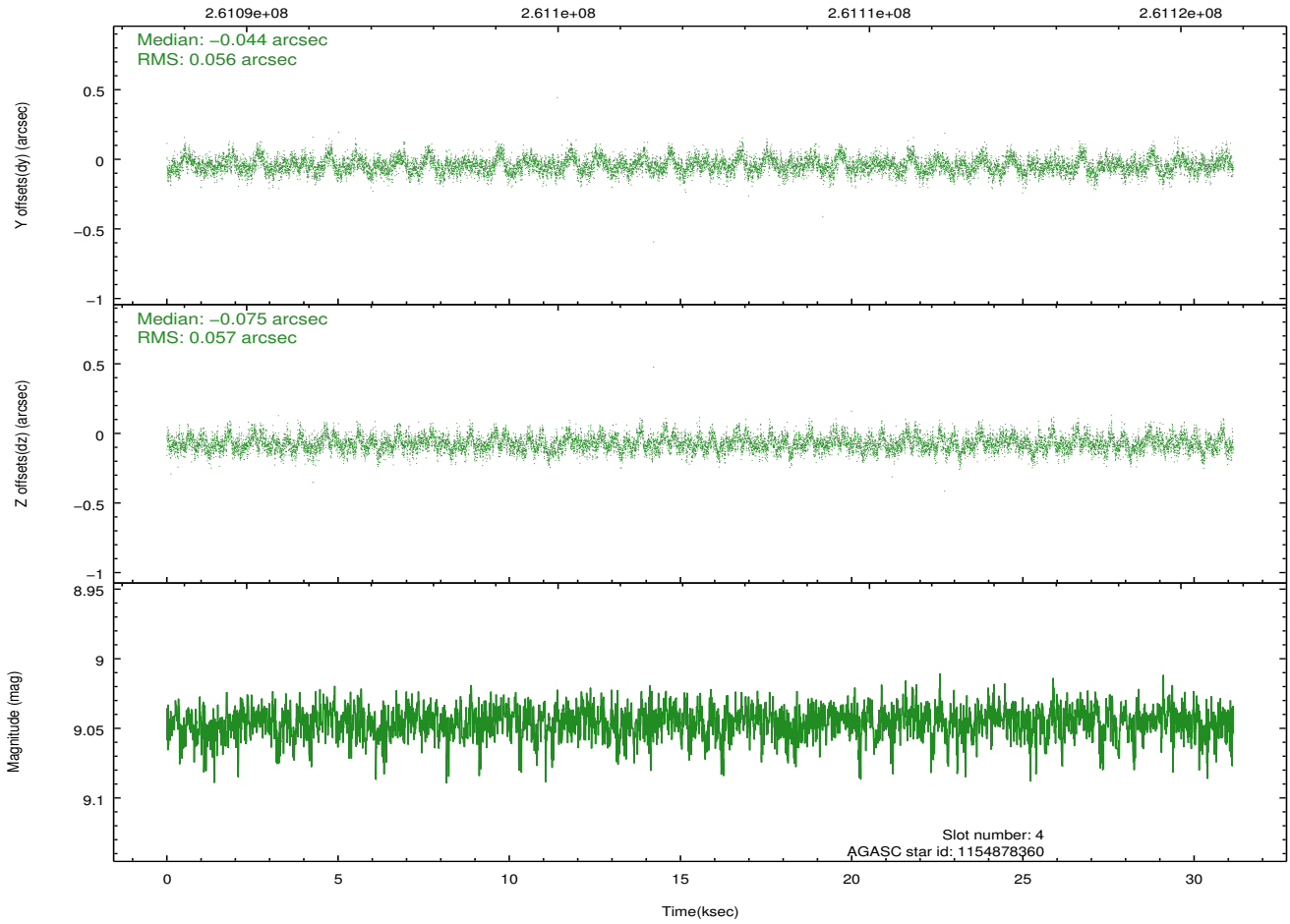
2.4.1 Slot 3



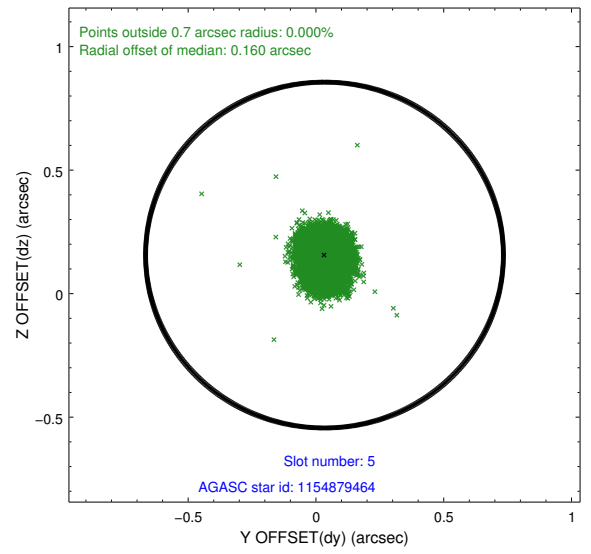
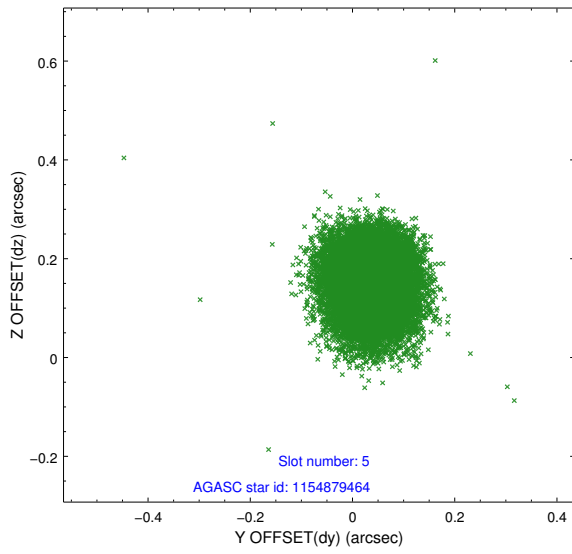
2.4.2 Slot 4



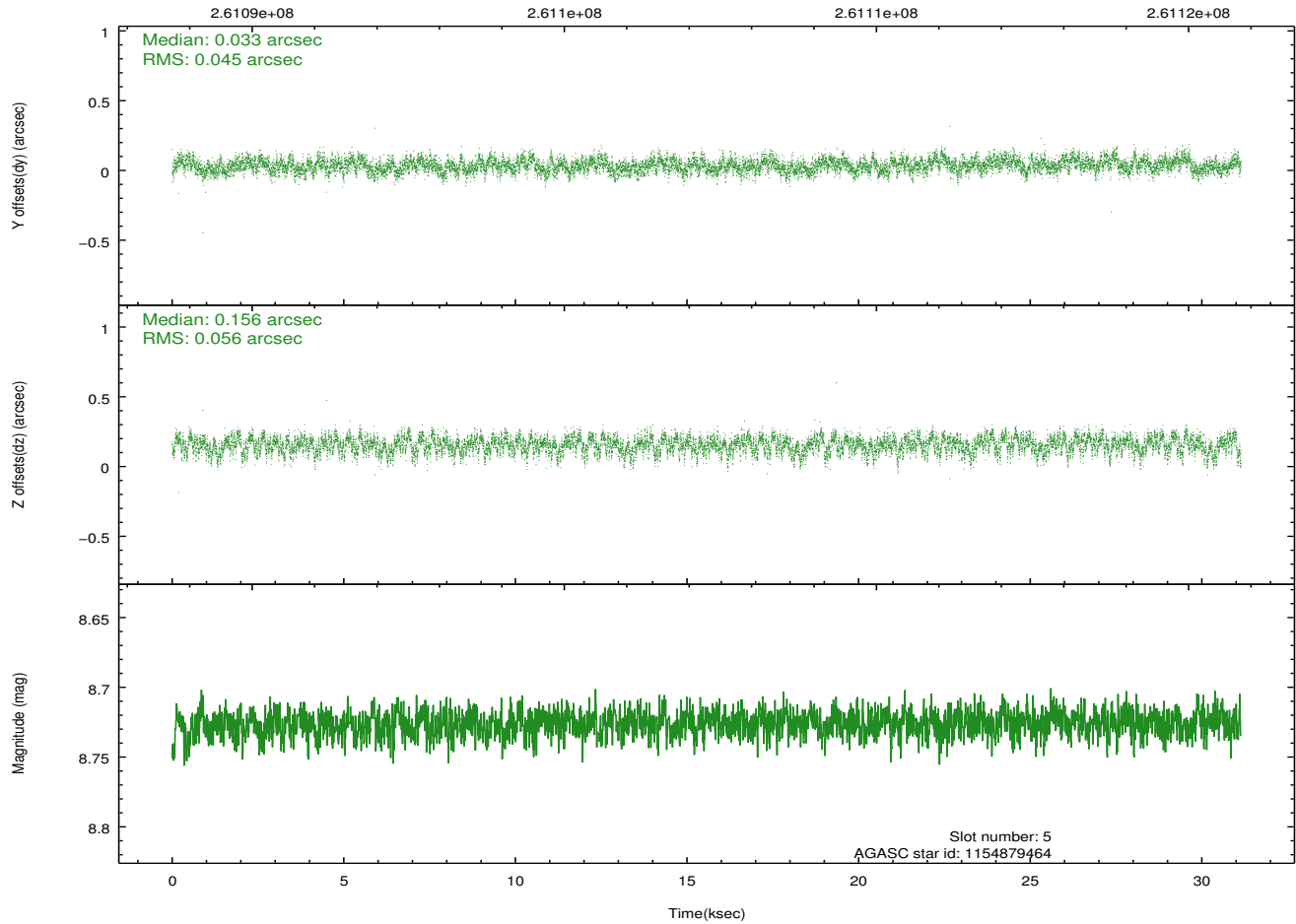
Time (s)



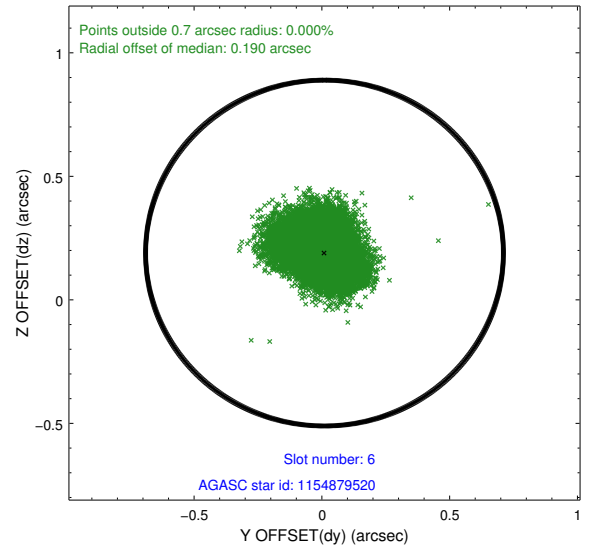
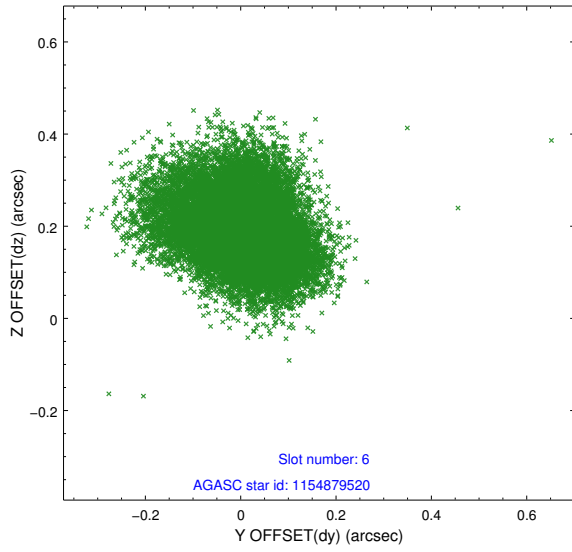
2.4.3 Slot 5



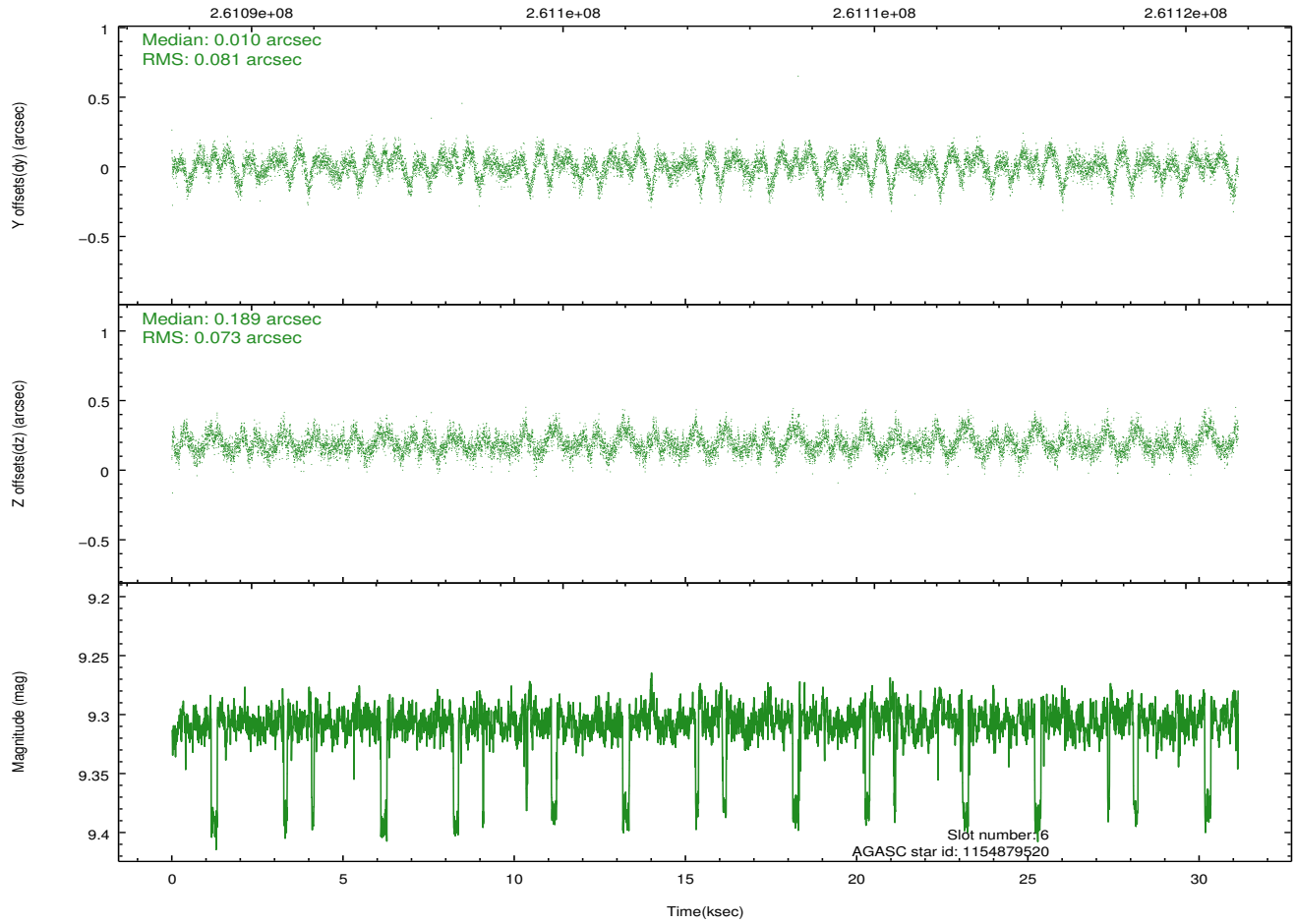
Time (s)



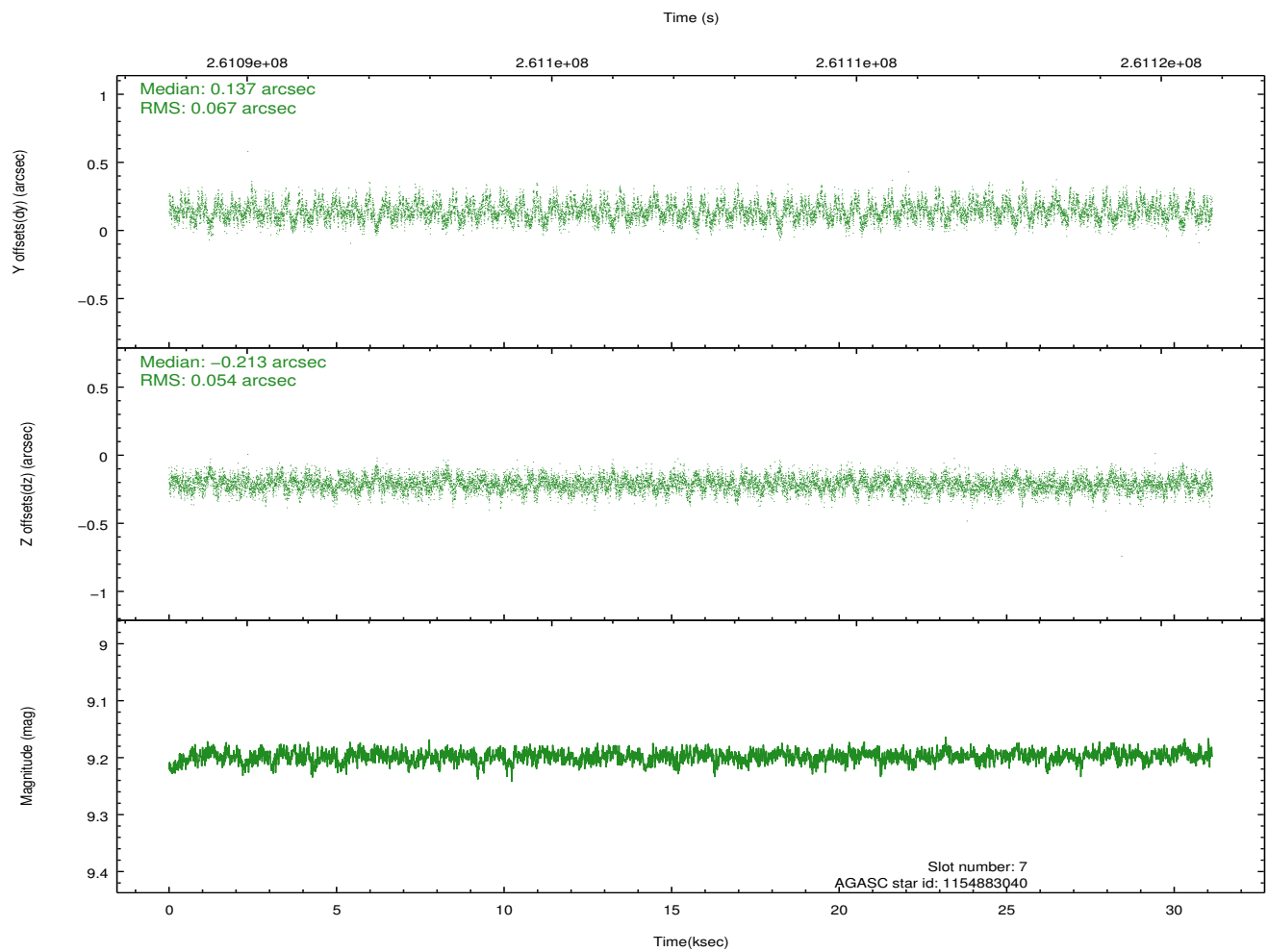
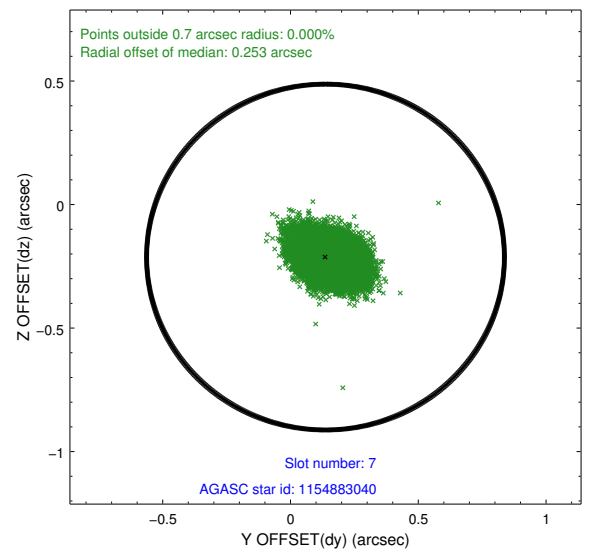
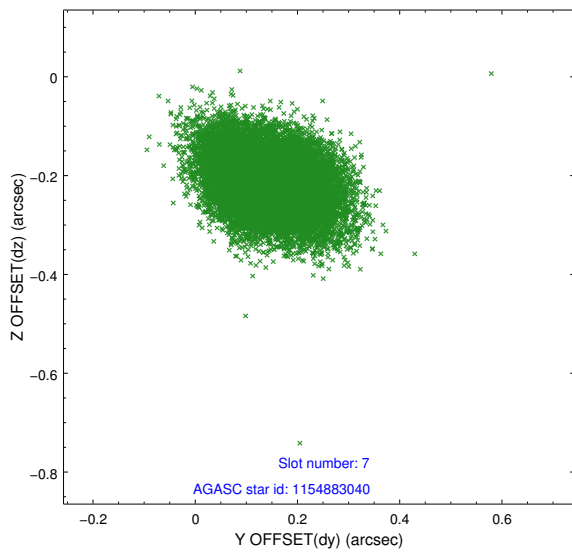
2.4.4 Slot 6



Time (s)

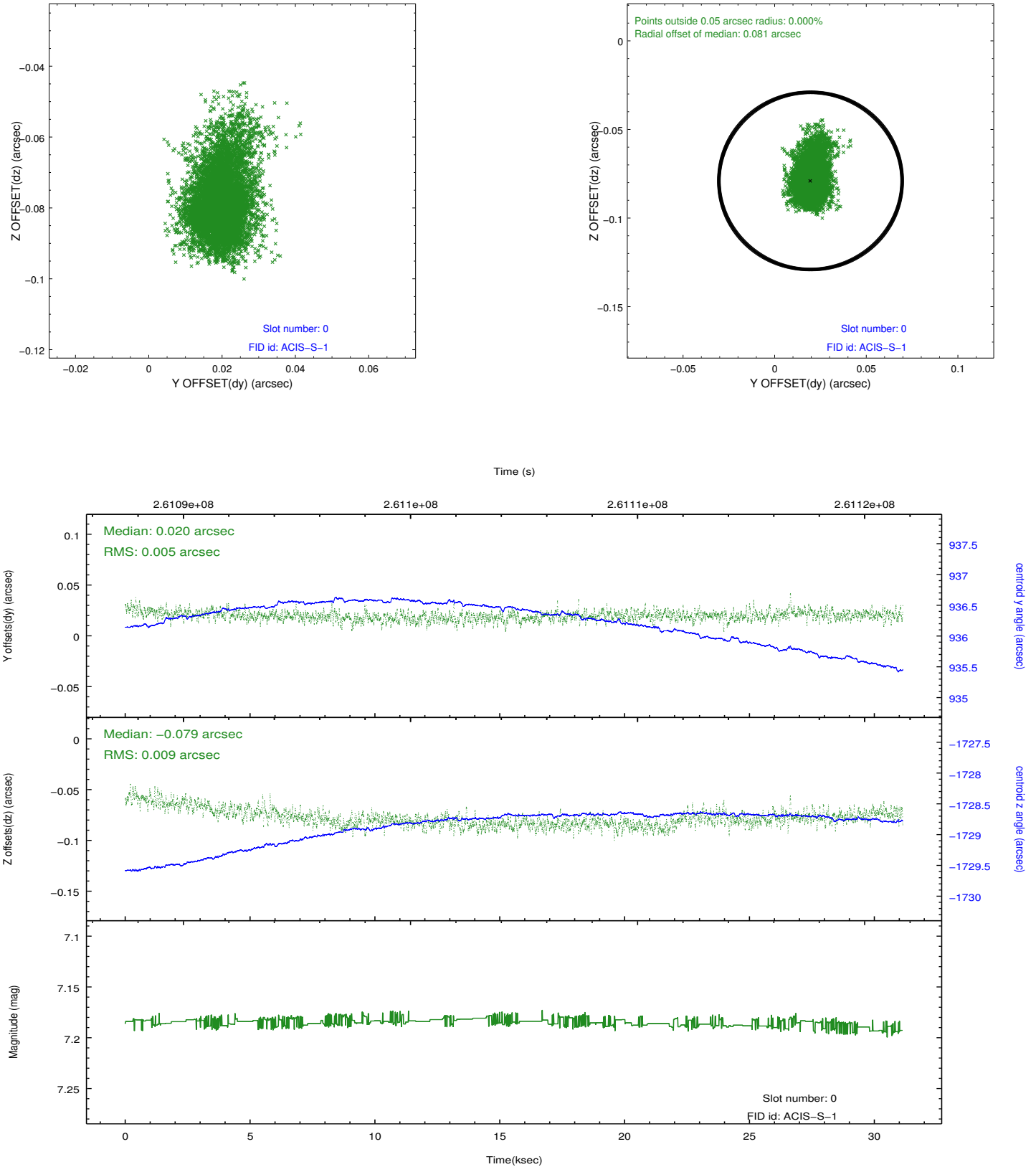


2.4.5 Slot 7

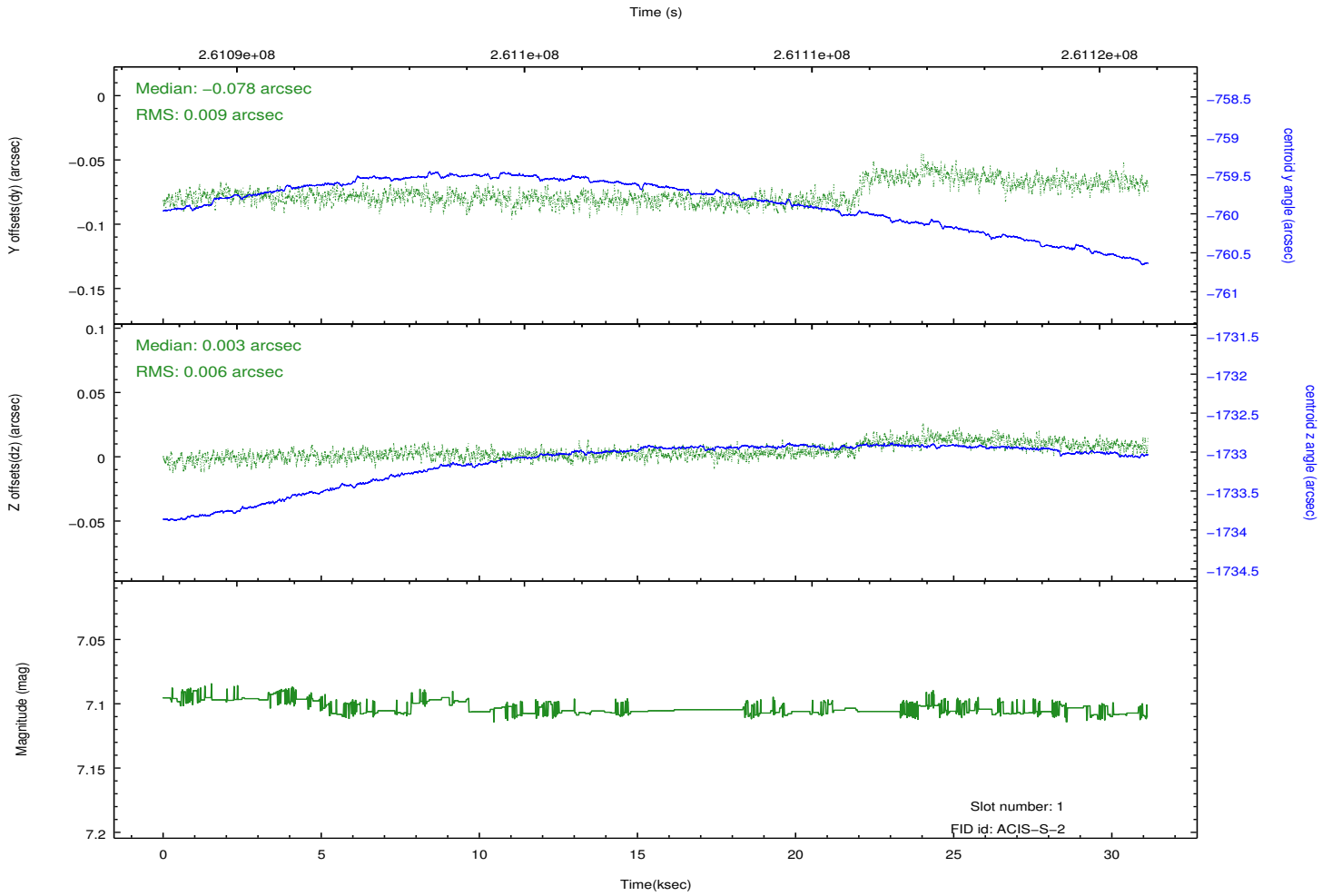
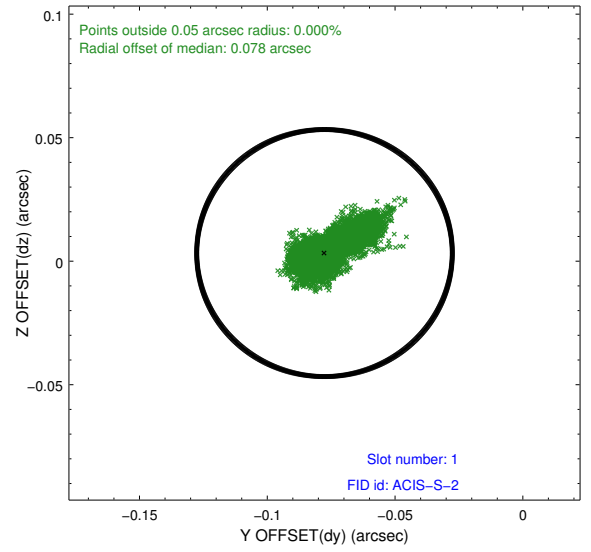
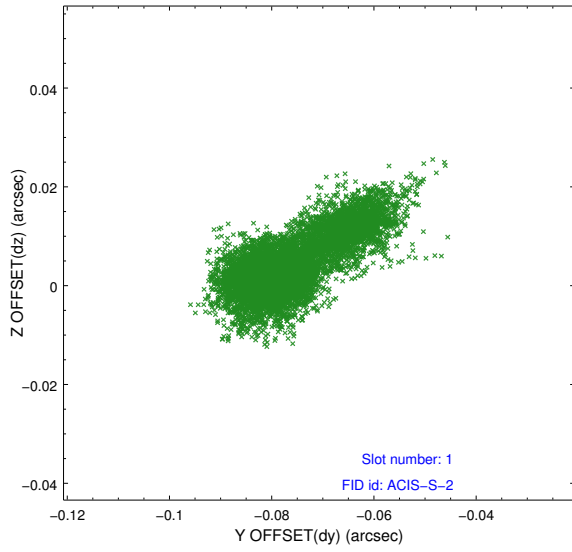


2.5 FID Slots

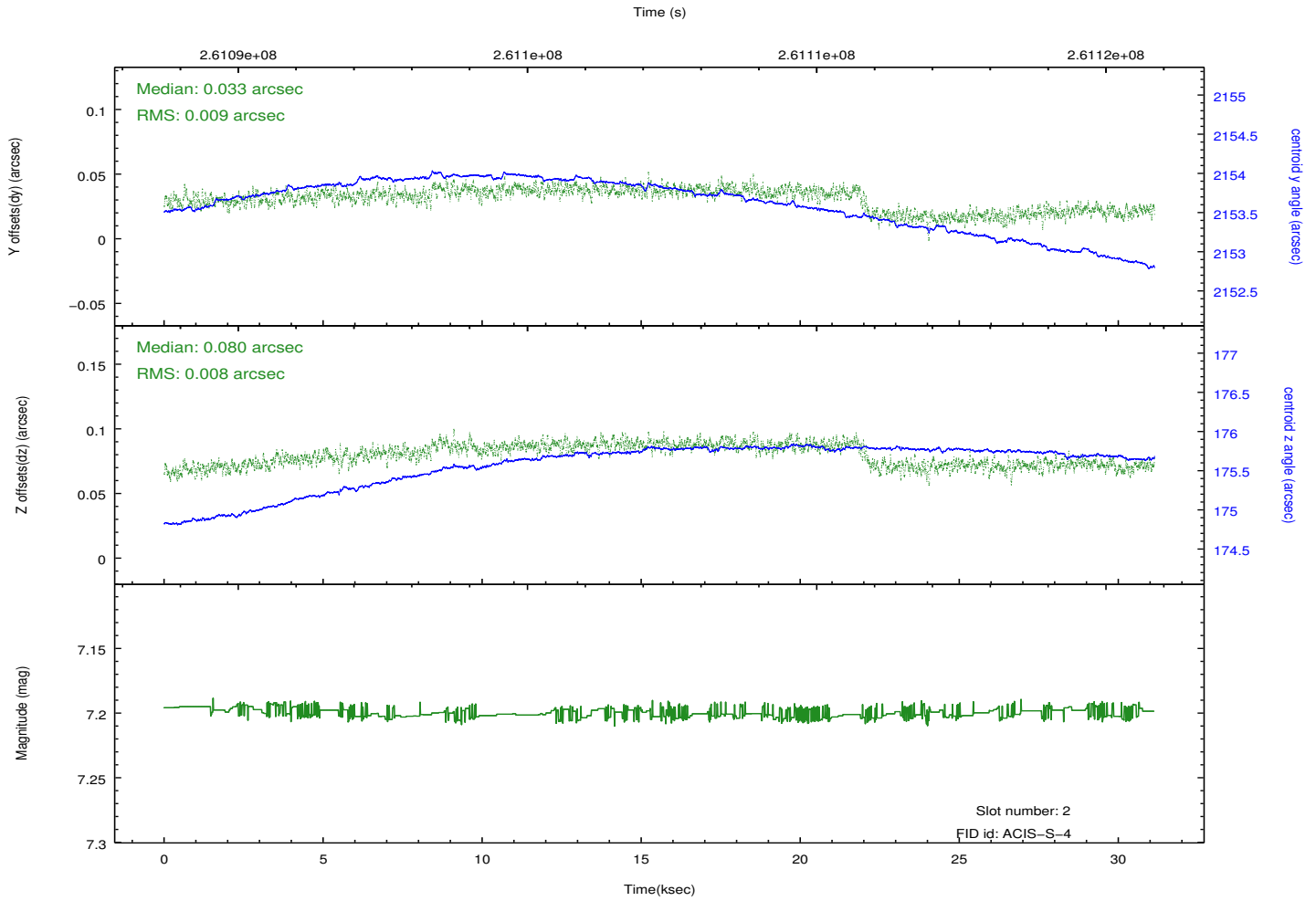
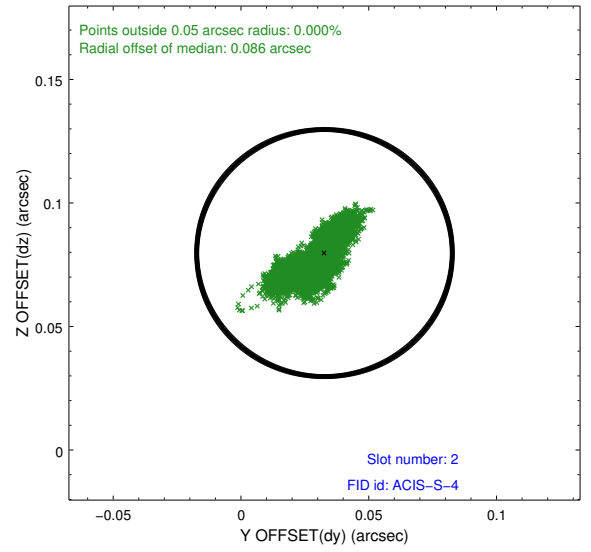
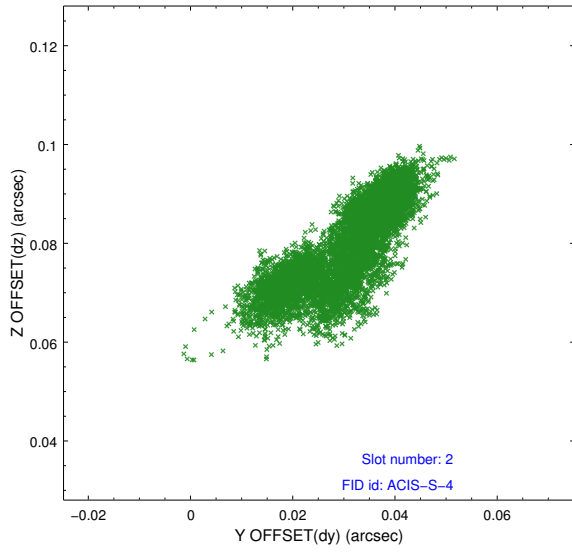
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.0207998

A.2 Comments