

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6842 - L2 Version 2
Chandra X-Ray Center

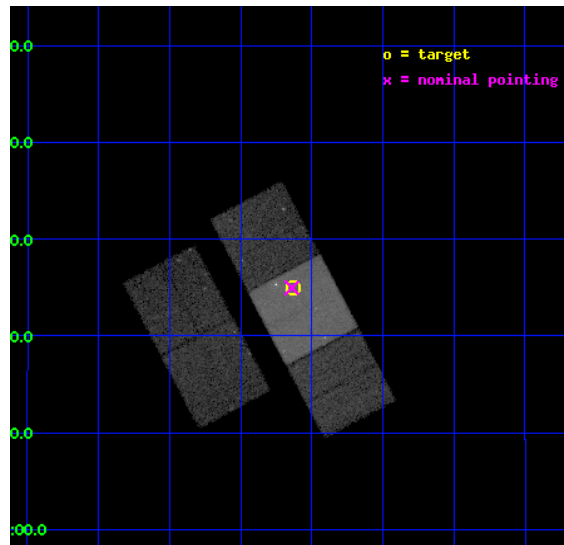
L2 Processing Date : Mar 23 2012

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1 Front

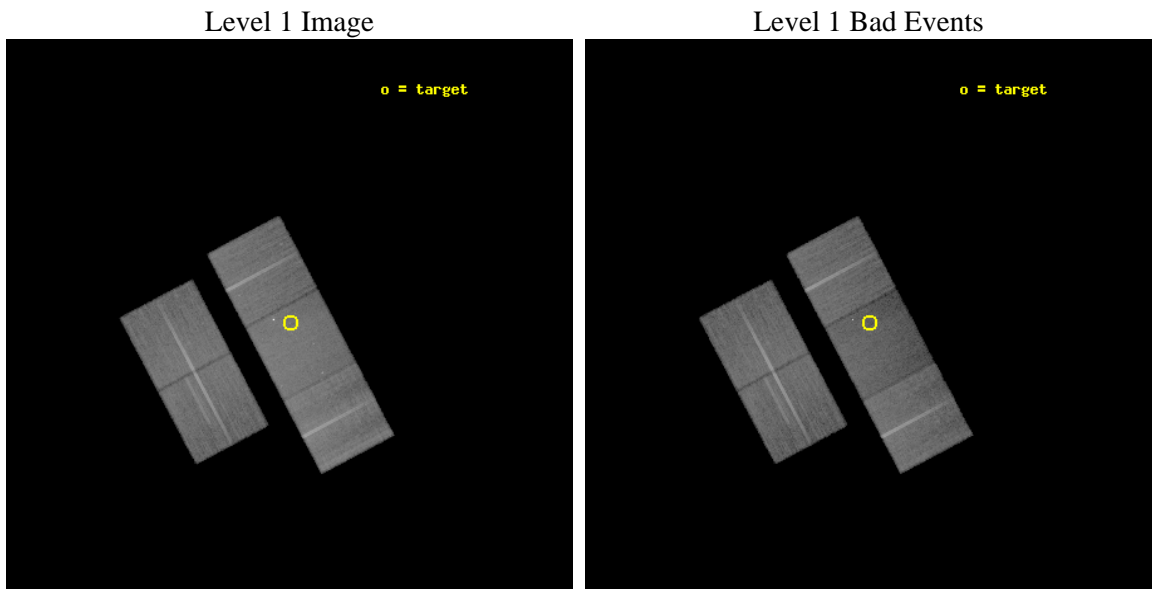
seq_num	701260	Sequence number
obs_id	6842	Observation id
title	Particle acceleration and the nature of multiple hotspots in FR II radio galaxies	Proposal title
observer	Dr. Martin Hardcastle	Principal investigator
object	3C227	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	146.907917	Observer's specified target RA [deg]
dec_targ	7.415972	Observer's specified target Dec [deg]
ra_nom	146.90999414038	Nominal RA [deg]
dec_nom	7.4162965137299	Nominal Dec [deg]
roll_nom	62.156355476364	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30172.299941957	Sum of GTIs [s]
livetime	29778.076630691	Livetime [s]
ontime2	30166.017941564	Sum of GTIs [s]
ontime3	30172.299941957	Sum of GTIs [s]
ontime6	30169.158931792	Sum of GTIs [s]
ontime7	30172.299941957	Sum of GTIs [s]
ontime8	30172.299941957	Sum of GTIs [s]
l2events	183953	Number of level 2 events



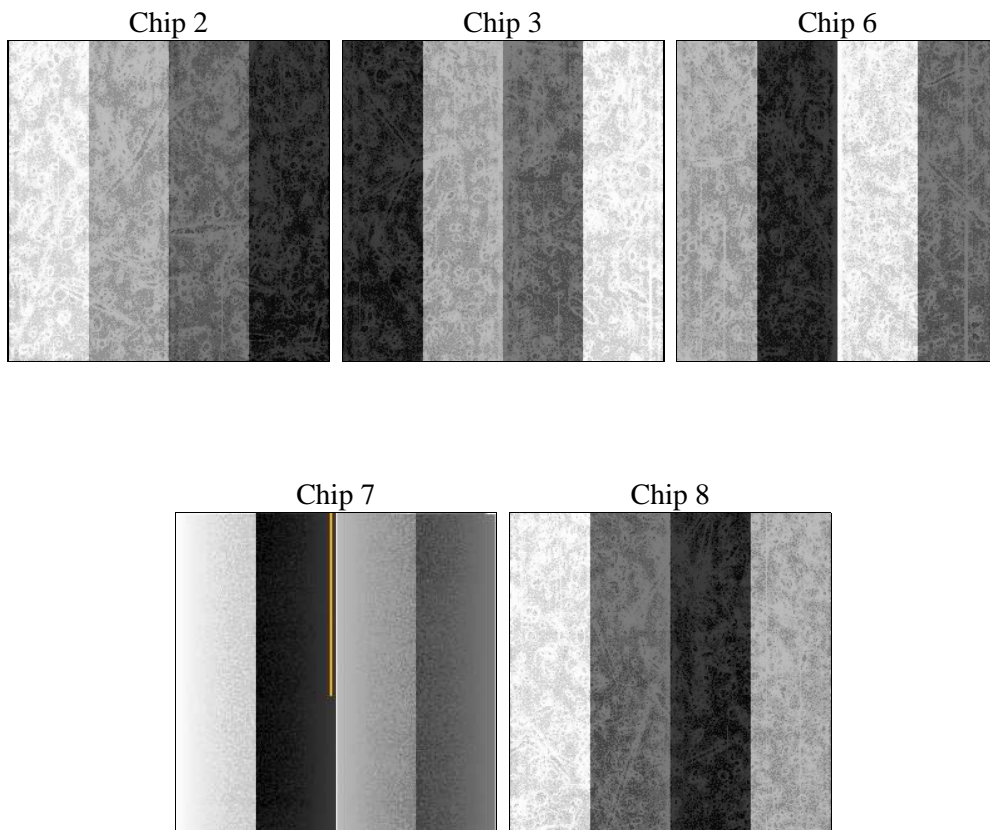
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	30172.299941957	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	30166.017941564	Sum of GTIs [s]
date	2012-03-23T15:03:01	Date and time of file creation	ontime3	30172.299941957	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	30169.158931792	Sum of GTIs [s]
			ontime7	30172.299941957	Sum of GTIs [s]
			ontime8	30172.299941957	Sum of GTIs [s]
			l1events	1183677	Number of level 1 events

2.1.4 Events

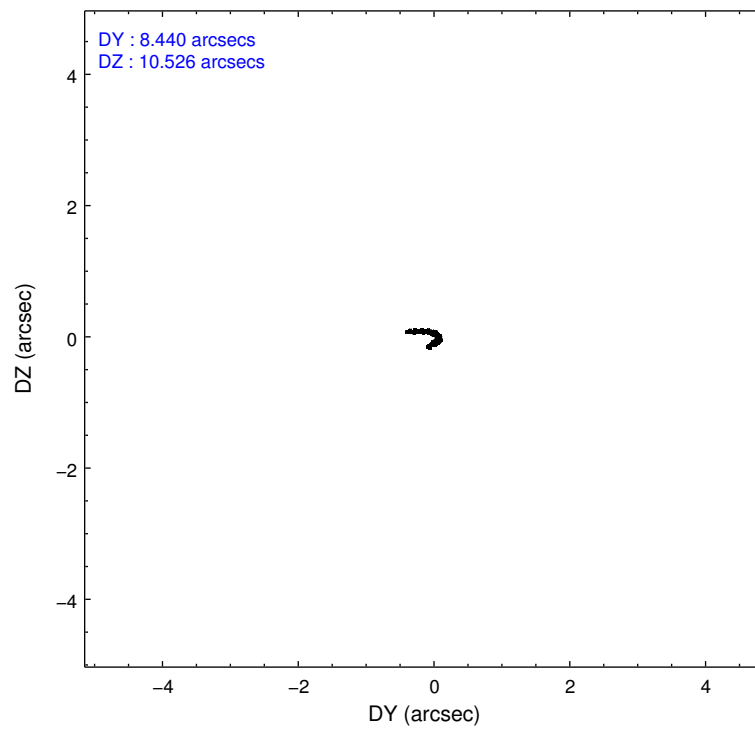
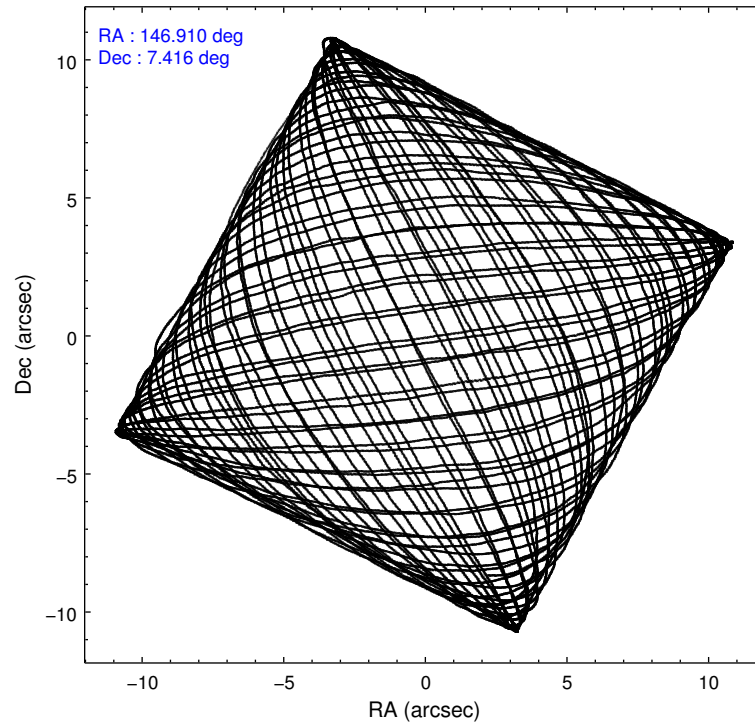
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	221476	213427	222680	250226	275868
rejected events	201653	194500	200501	137875	213444
rejected %	91%	91%	90%	55%	77%

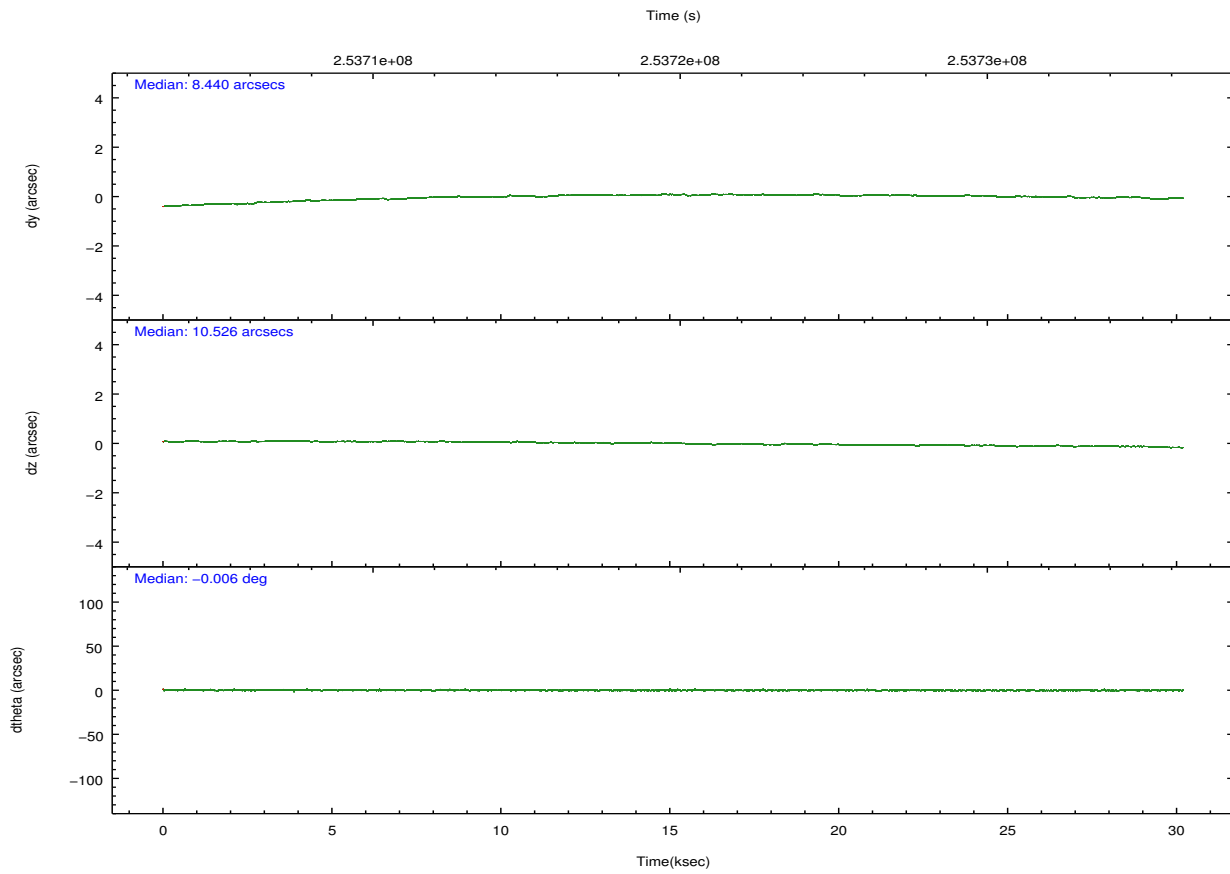
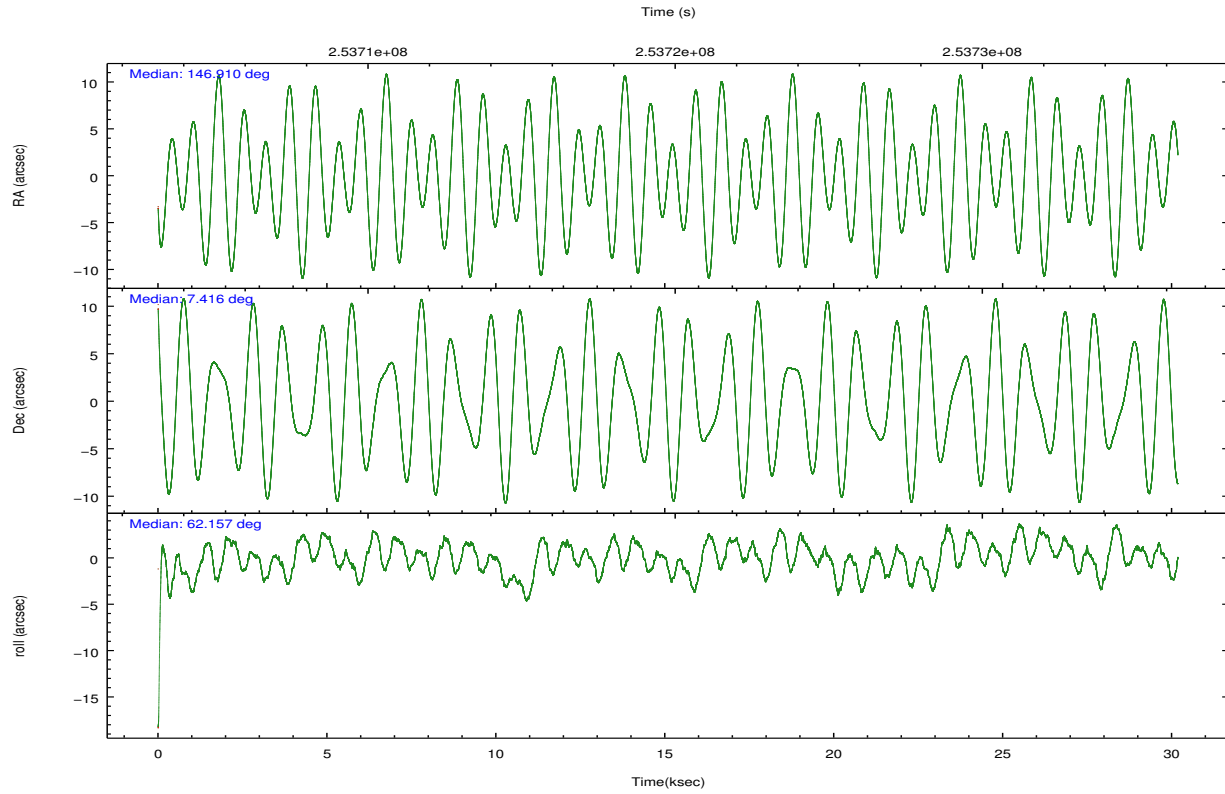
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	7310	6723	8141	10744	19029
	3%	3%	3%	4%	6%
grade 1 events	108	106	113	314	188
	0%	0%	0%	0%	0%
grade 2 events	4872	4216	4965	23453	14552
	2%	1%	2%	9%	5%
grade 3 events	2269	2284	2492	10874	7129
	1%	1%	1%	4%	2%
grade 4 events	2256	2326	2395	10601	6617
	1%	1%	1%	4%	2%
grade 5 events	6637	8457	8825	26223	12374
	2%	3%	3%	10%	4%
grade 6 events	3780	3981	4897	60146	17148
	1%	1%	2%	24%	6%
grade 7 events	194244	185334	190852	107871	198831
	87%	86%	85%	43%	72%

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	146.911395	146.9099941403773	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.389095	7.416296513729899	Alternating exposures requested	N	N
[deg] Pointing Roll	61.999552	62.15635547636354	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	253704861.184000	253703367.82353			
Observation start date	2006-01-15T09:33:16	2006-01-15T09:09:27			
[s] Observation end time (MET)	253734861.184000	253736709.02508			
Observation end date	2006-01-15T17:53:16	2006-01-15T18:25:09			
Read mode	TIMED	TIMED			

2.3 Aspect



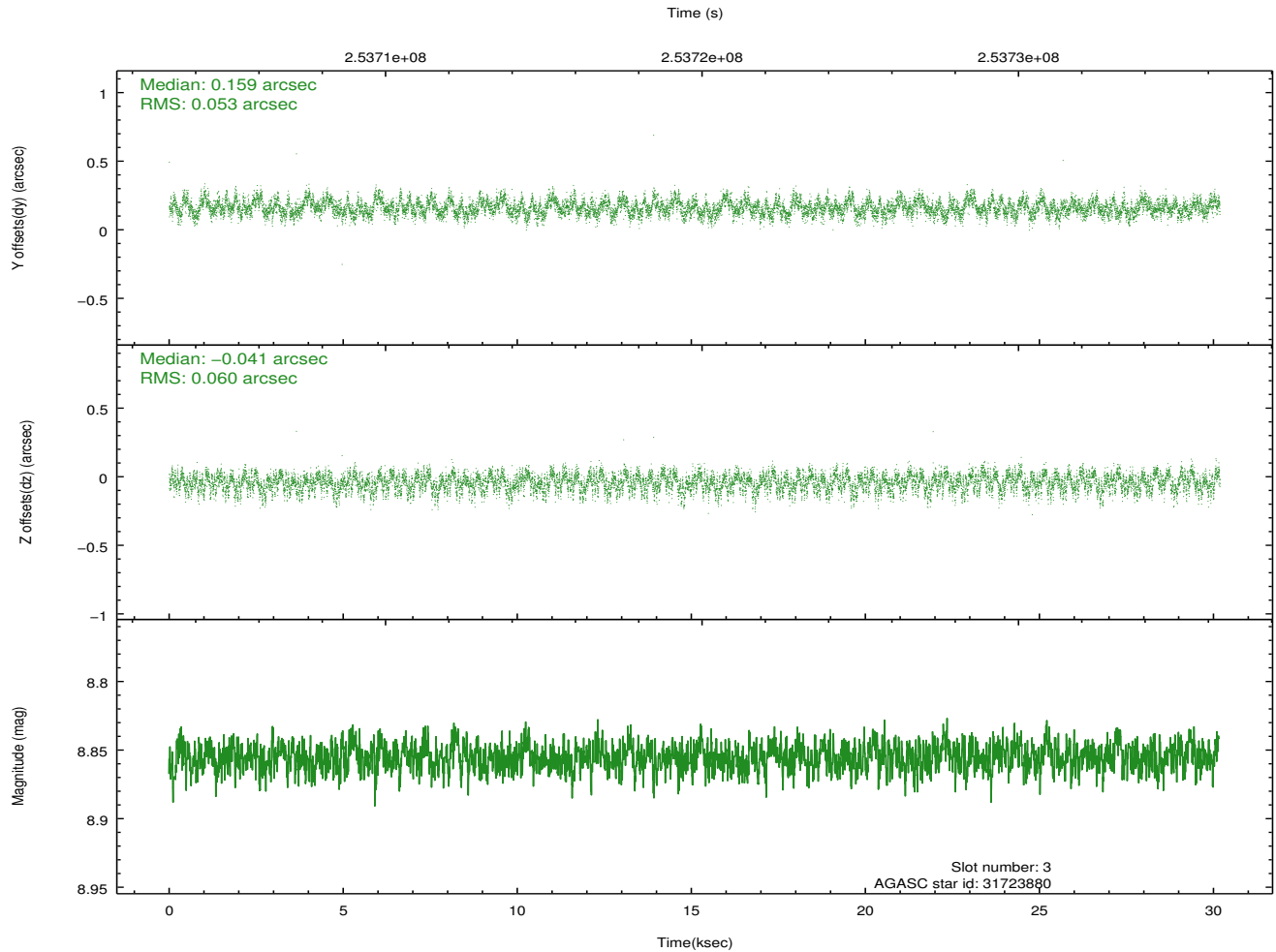
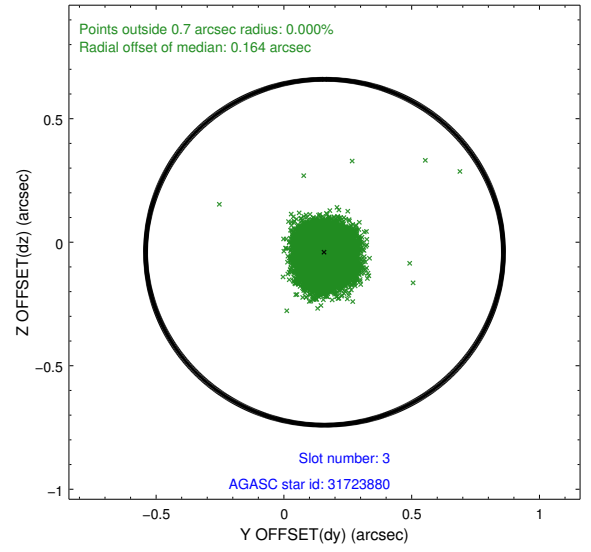
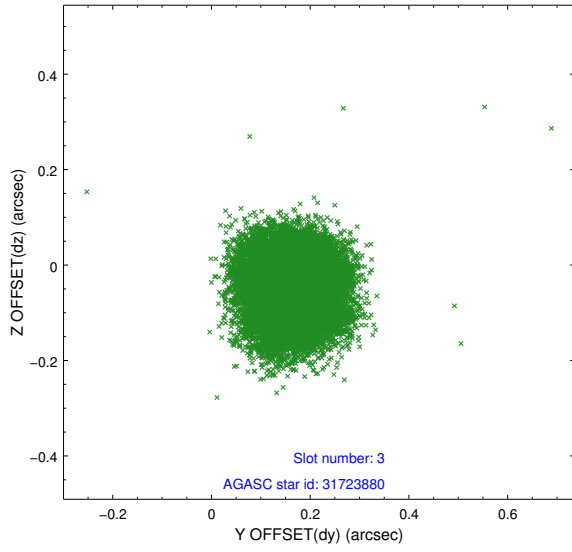


Slot Statistics

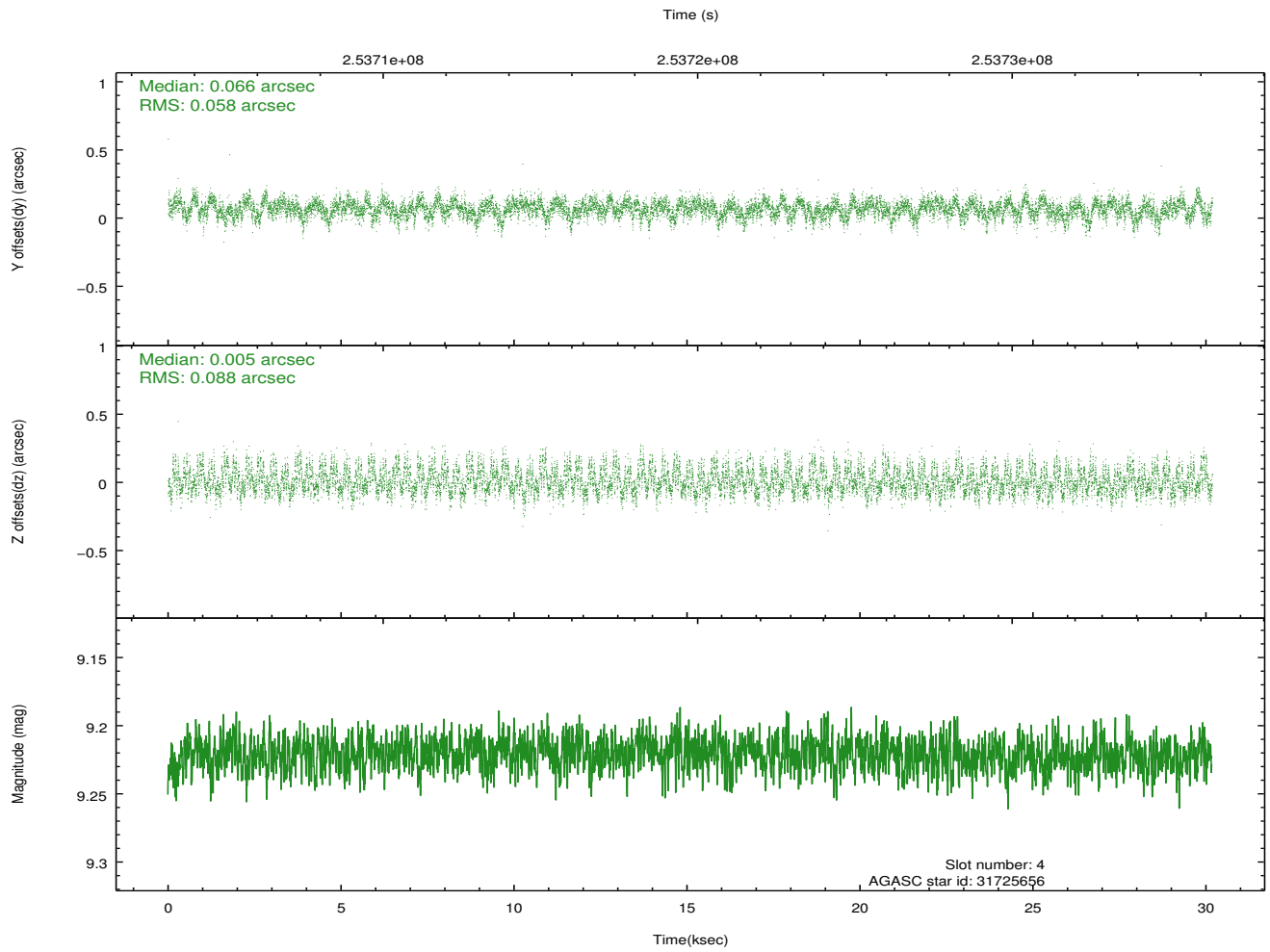
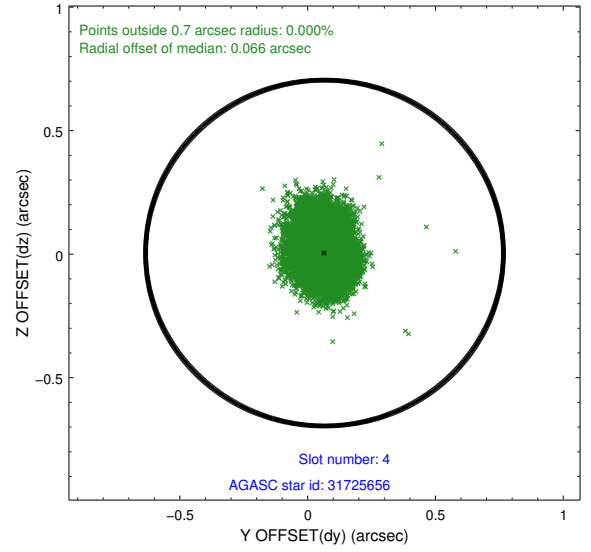
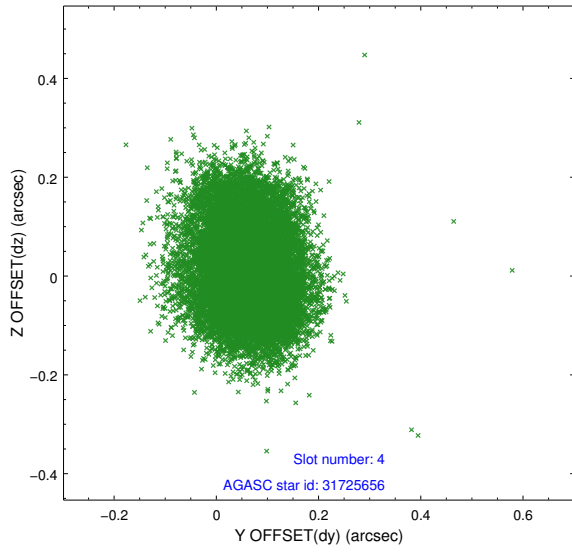
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7362	-0.048	-0.027	0.007	0.012	0.000000	0.000000	-761.19	-1731.83
1	FID	ACIS-S-4	7.21	7361	0.151	0.030	0.010	0.024	0.000000	0.000000	2152.20	176.72
2	FID	ACIS-S-5	7.23	7362	-0.134	0.006	0.010	0.022	0.000000	0.000000	-1814.08	170.34
3	GUIDE	31723880	8.85	14711	0.159	-0.041	0.086	0.133	146.909664	6.819343	-1813.24	-957.50
4	GUIDE	31725656	9.22	14647	0.066	0.005	0.112	0.182	147.420881	6.969118	-478.86	-2316.73
5	GUIDE	31857872	8.81	14712	-0.154	0.134	0.077	0.121	147.607013	7.468204	1419.30	-2057.60
6	GUIDE	108541448	9.63	14650	-0.073	-0.032	0.115	0.182	147.263228	7.819097	1955.79	-379.90
7	GUIDE	108542720	9.75	14700	0.006	-0.069	0.131	0.213	147.367158	7.861922	2267.01	-634.83

2.4 Star Slots

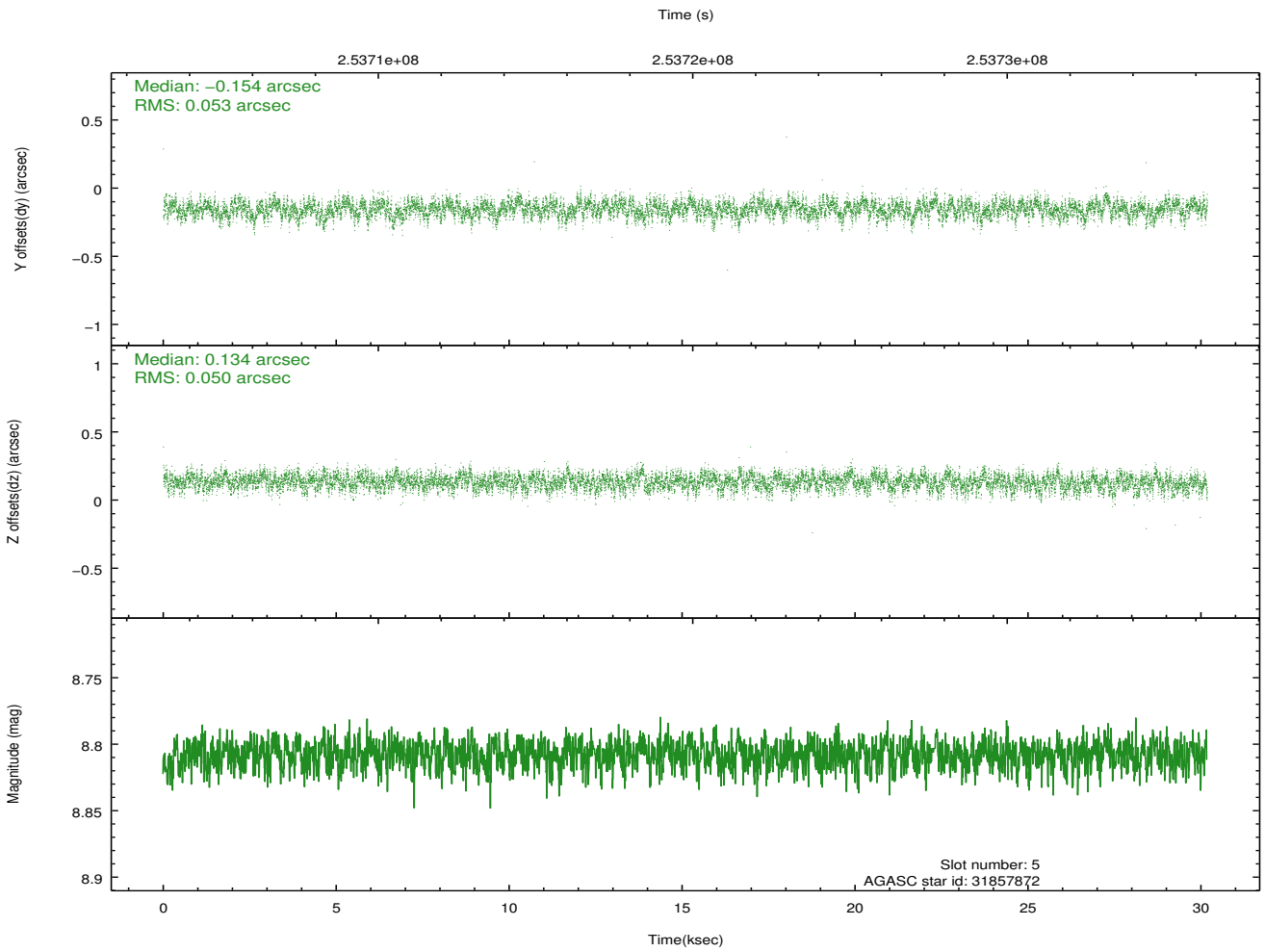
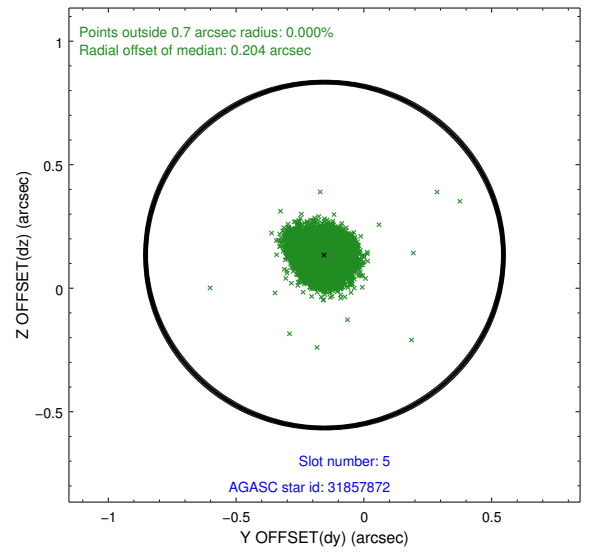
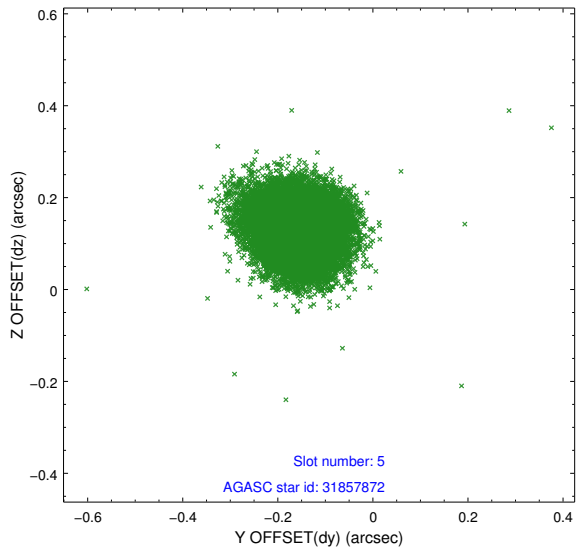
2.4.1 Slot 3



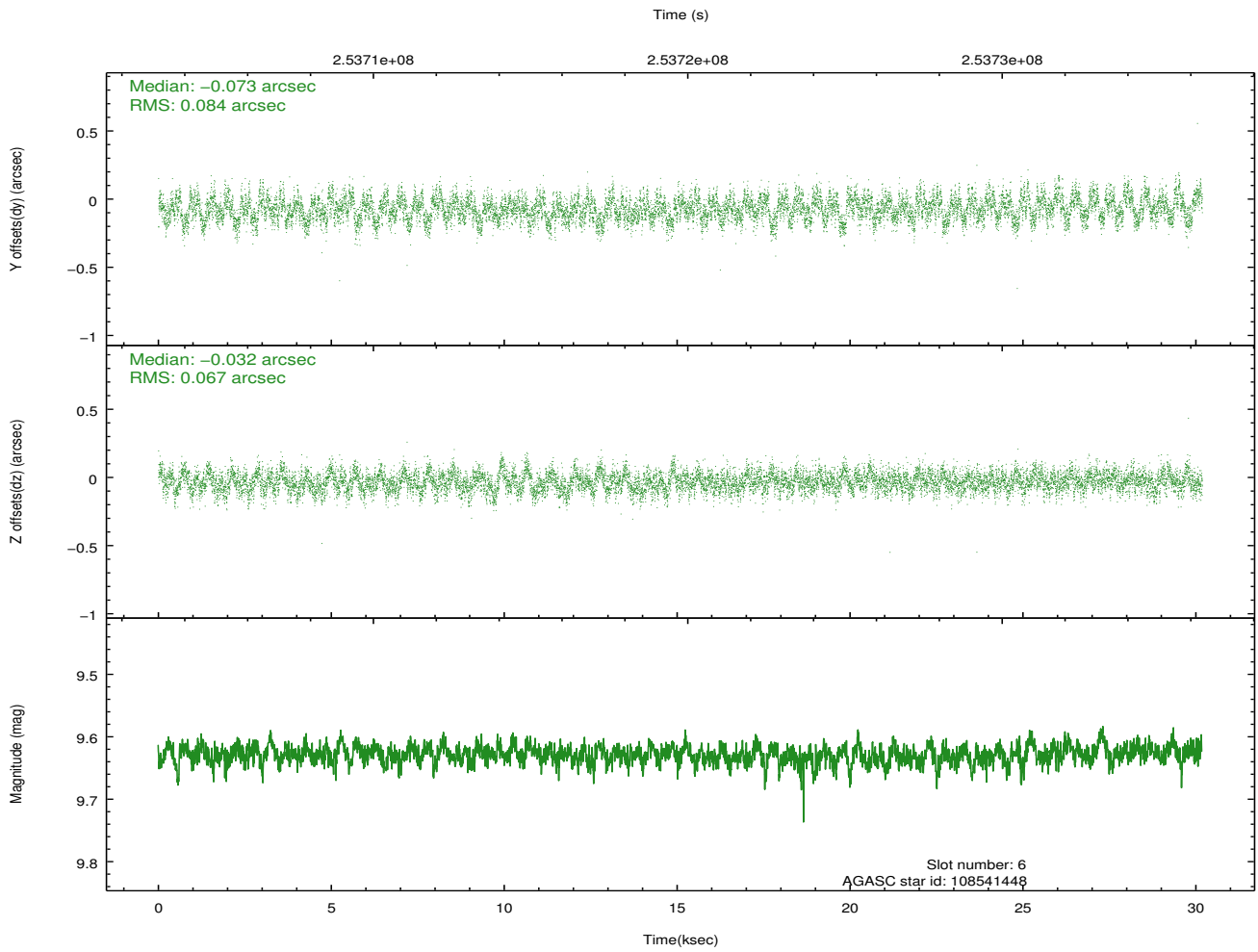
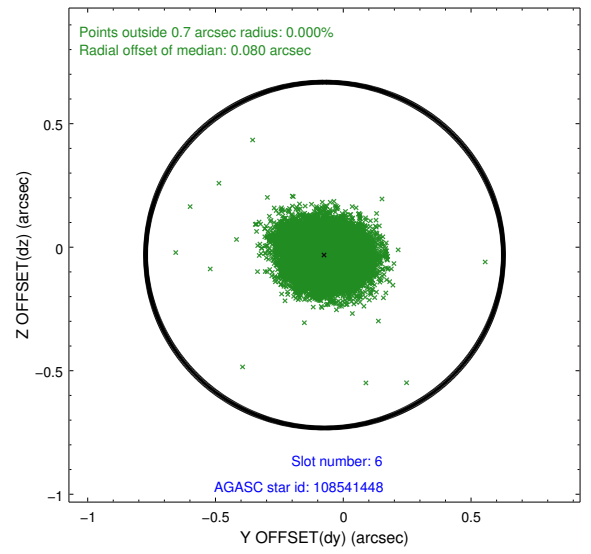
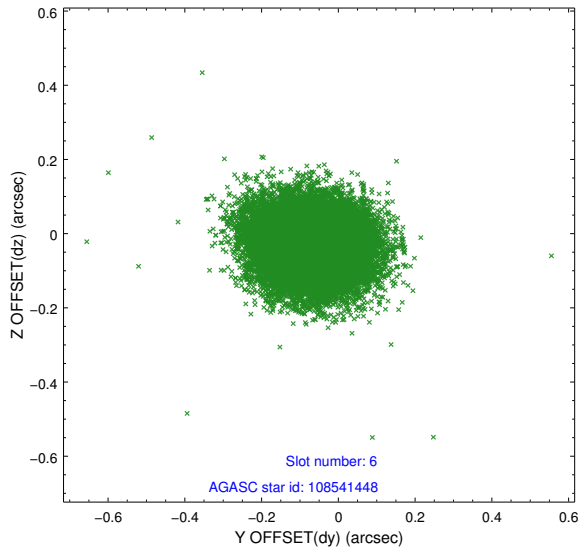
2.4.2 Slot 4



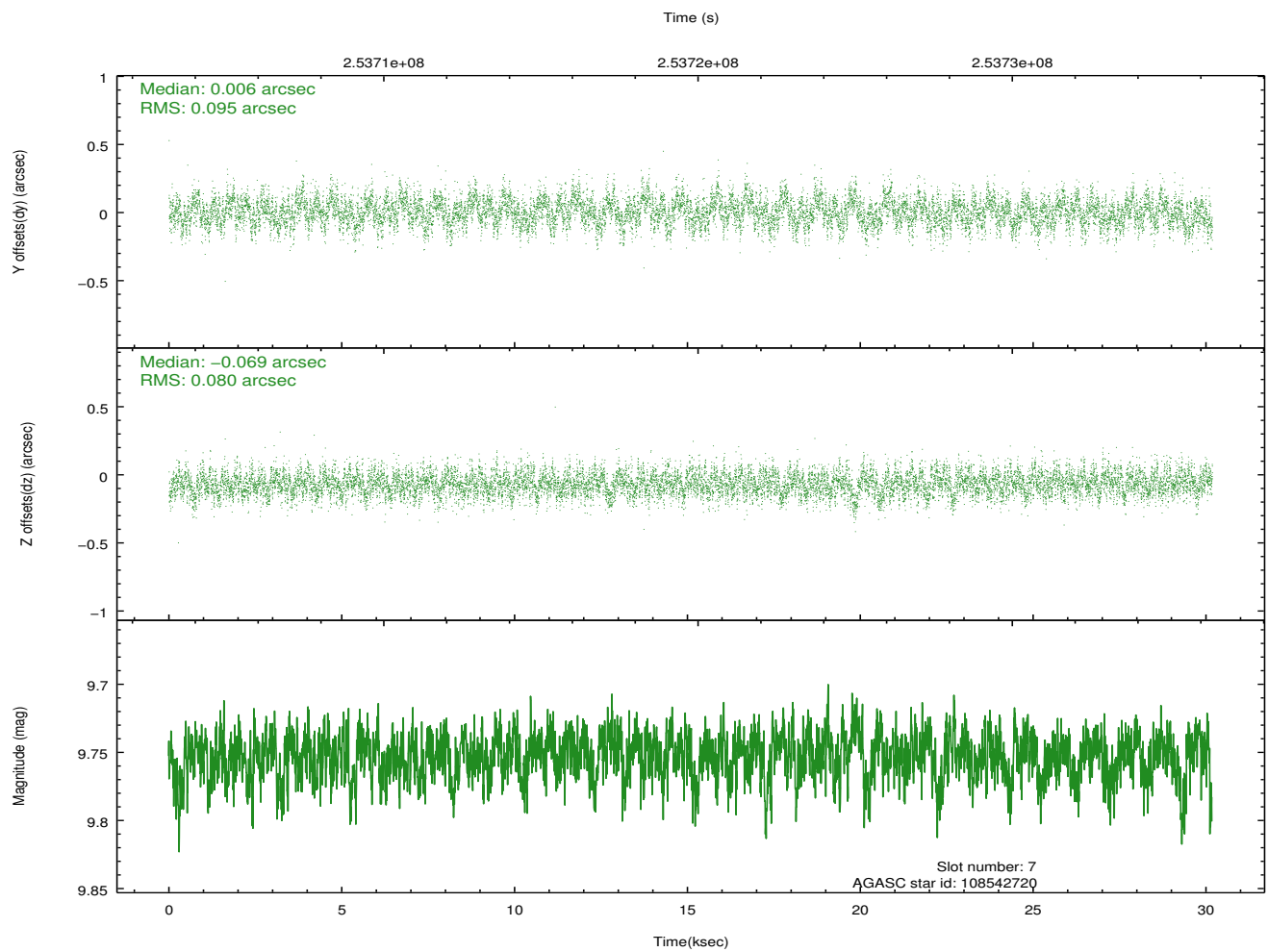
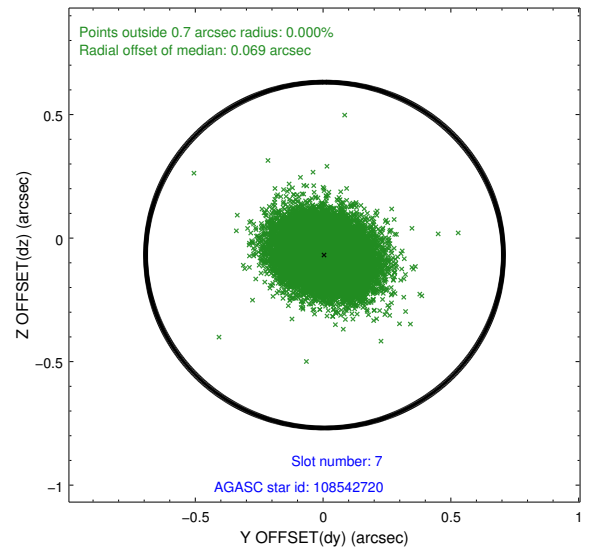
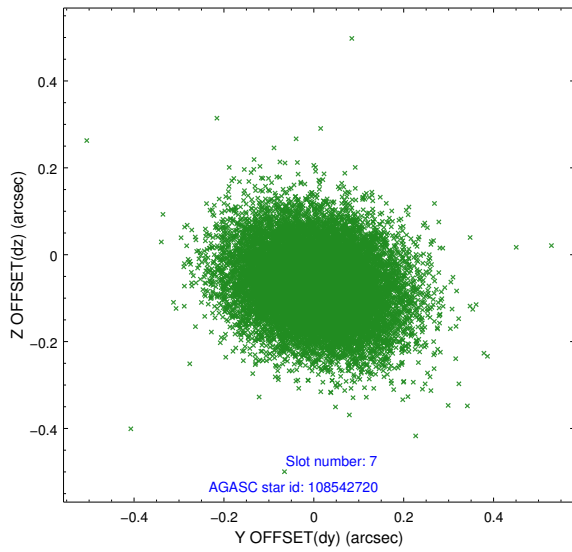
2.4.3 Slot 5



2.4.4 Slot 6

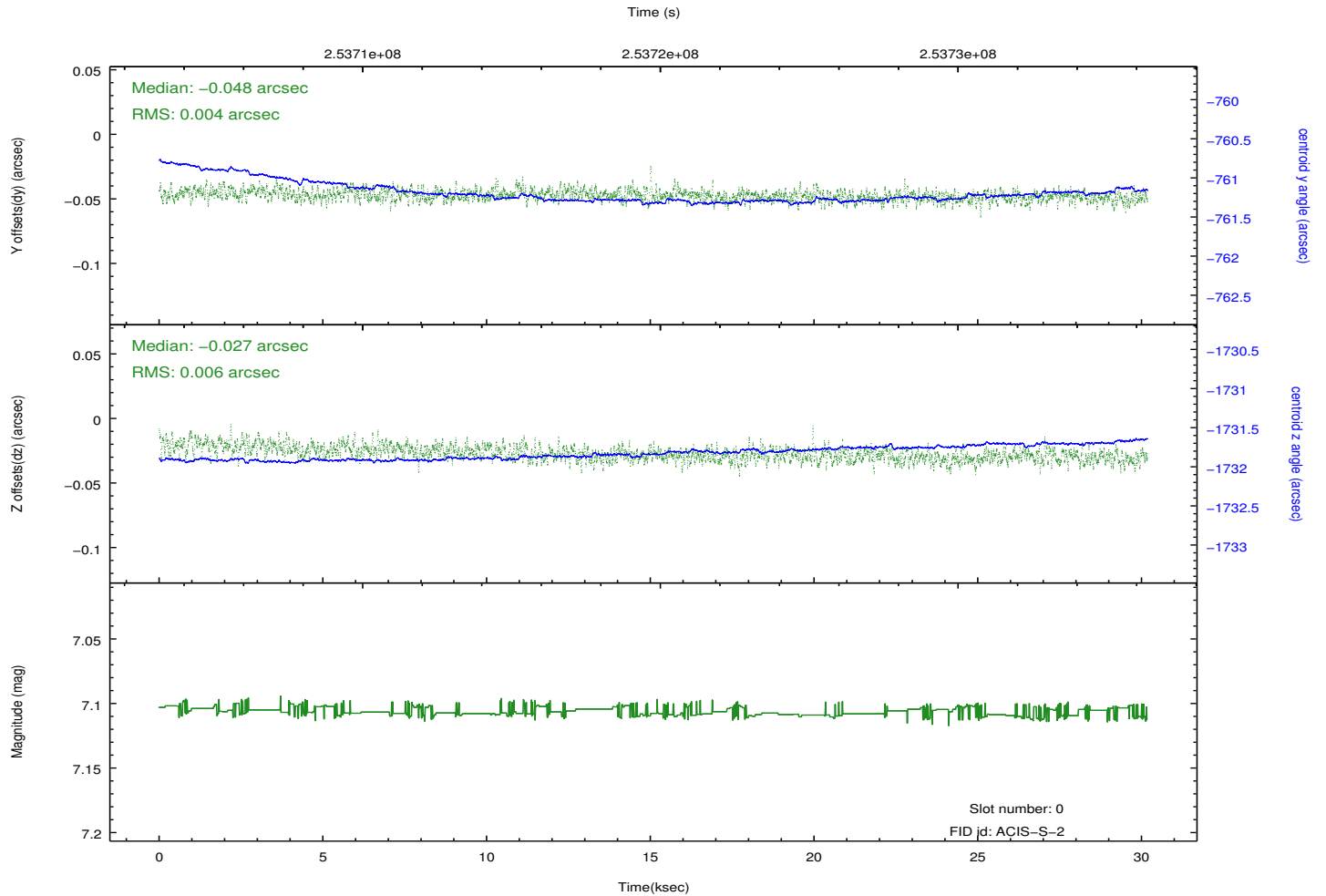
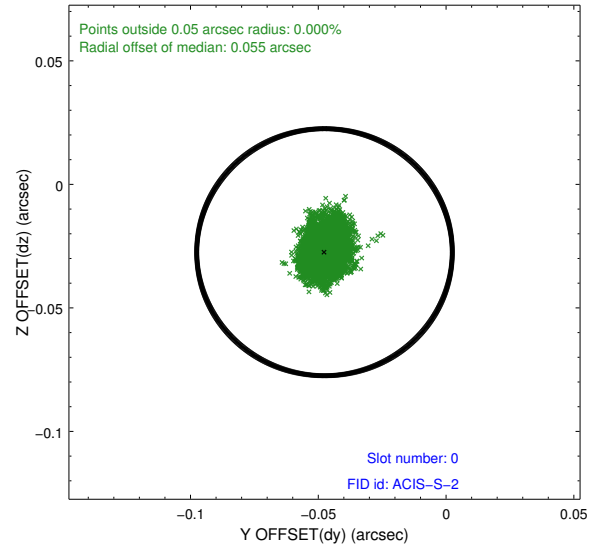
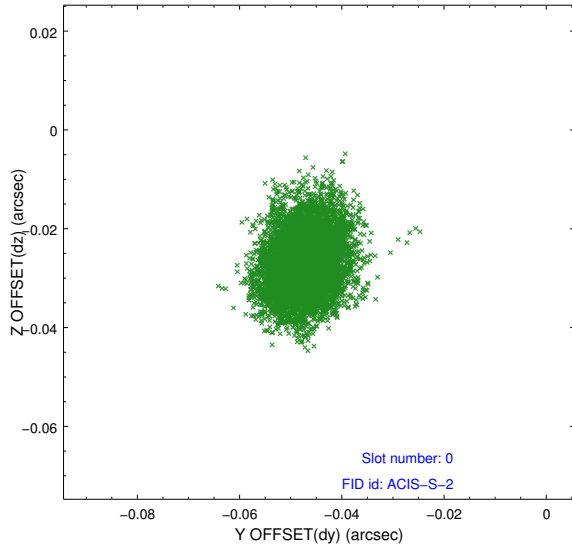


2.4.5 Slot 7

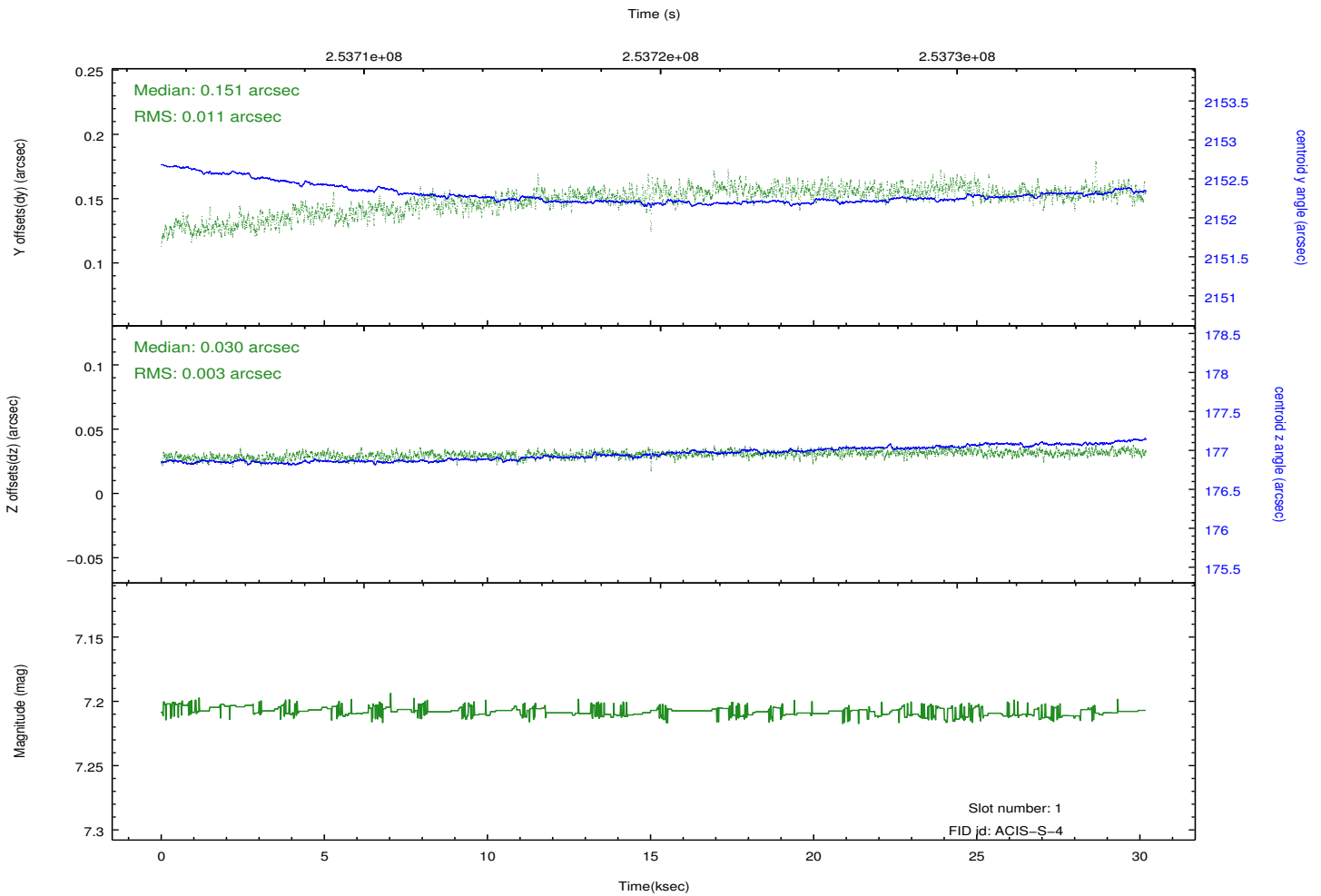
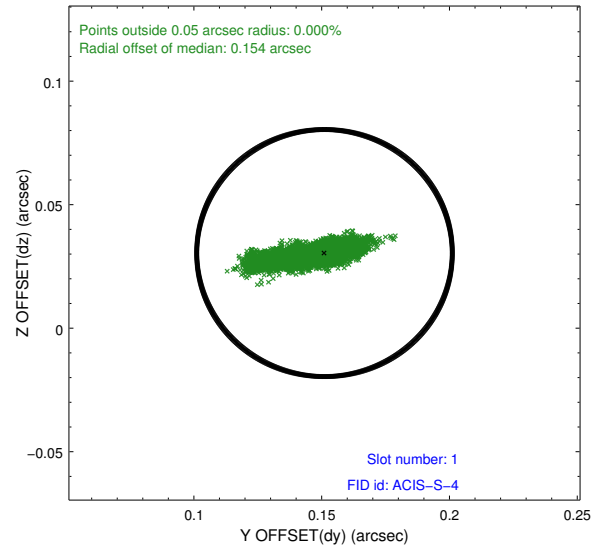
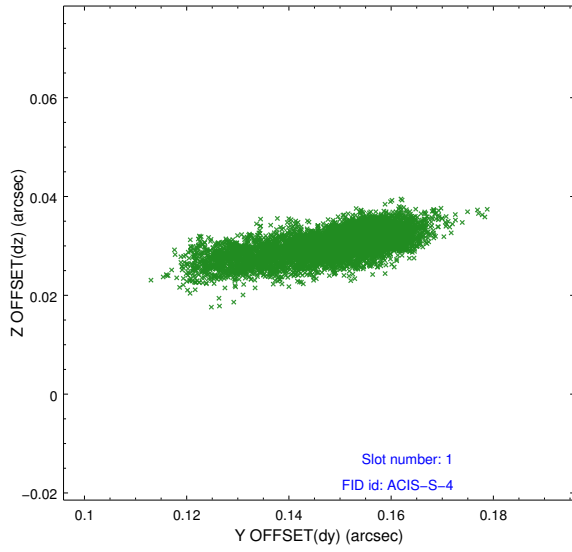


2.5 FID Slots

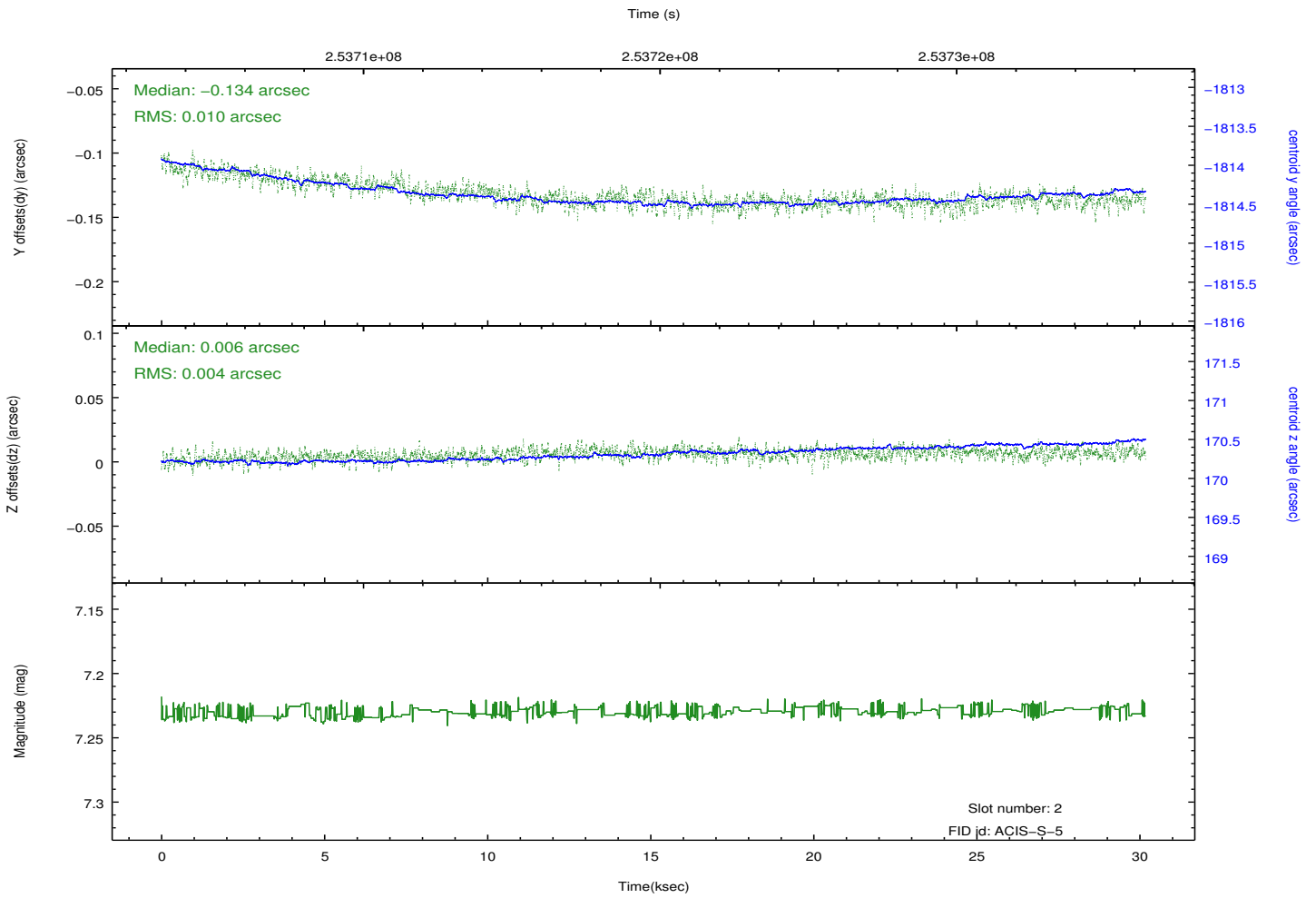
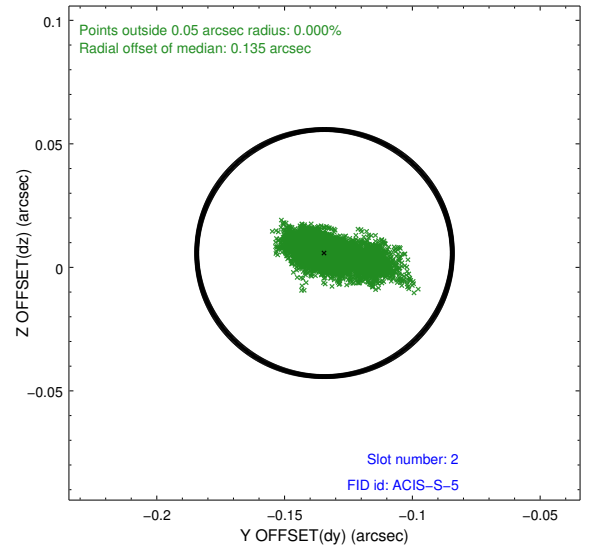
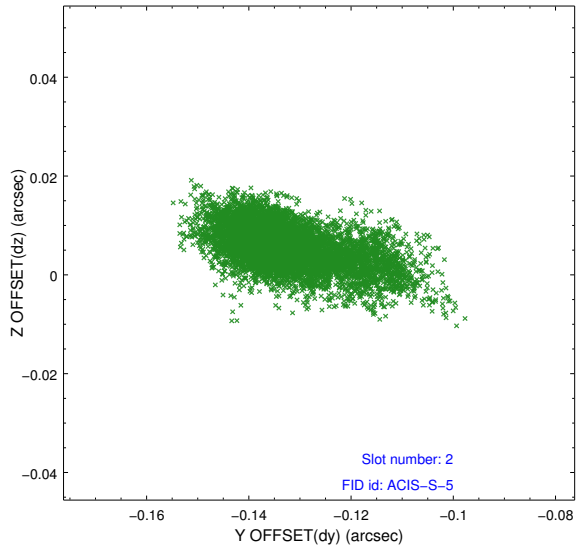
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.1722999

A.2 Comments