

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11720 - L2 Version 2
Chandra X-Ray Center

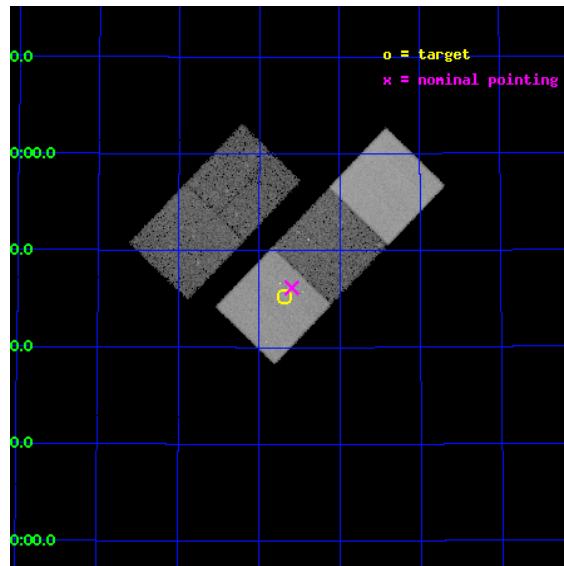
L2 Processing Date : Jun 24 2012

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1 Front

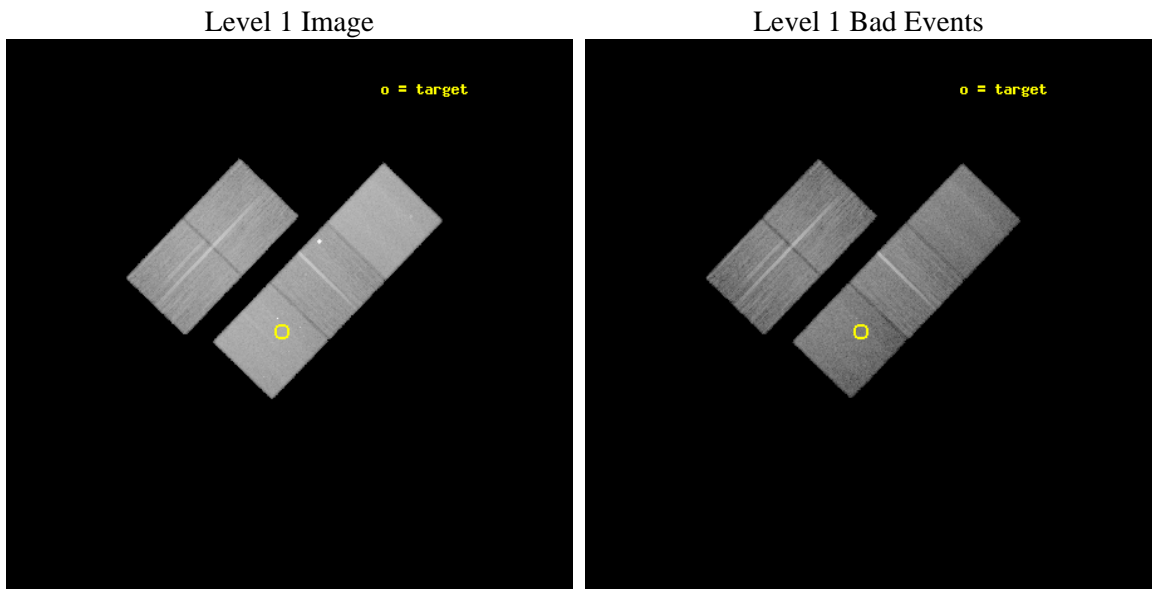
seq_num	800860	Sequence number
obs_id	11720	Observation id
title	Massive Galaxy Clusters at High Redshift from the Spitzer SpARCS Survey	Proposal title
observer	Dr. Erica Ellingson	Principal investigator
object	EN1-349	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.172083	Observer's specified target RA [deg]
dec_targ	55.753333	Observer's specified target Dec [deg]
ra_nom	244.148596307	Nominal RA [deg]
dec_nom	55.769462708473	Nominal Dec [deg]
roll_nom	133.92604596704	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24539.16308254	Sum of GTIs [s]
livetime	24218.540851398	Livetime [s]
ontime2	24535.857912242	Sum of GTIs [s]
ontime3	24532.758021891	Sum of GTIs [s]
ontime5	24539.122042537	Sum of GTIs [s]
ontime6	24539.081002533	Sum of GTIs [s]
ontime7	24539.16308254	Sum of GTIs [s]
l2events	278172	Number of level 2 events



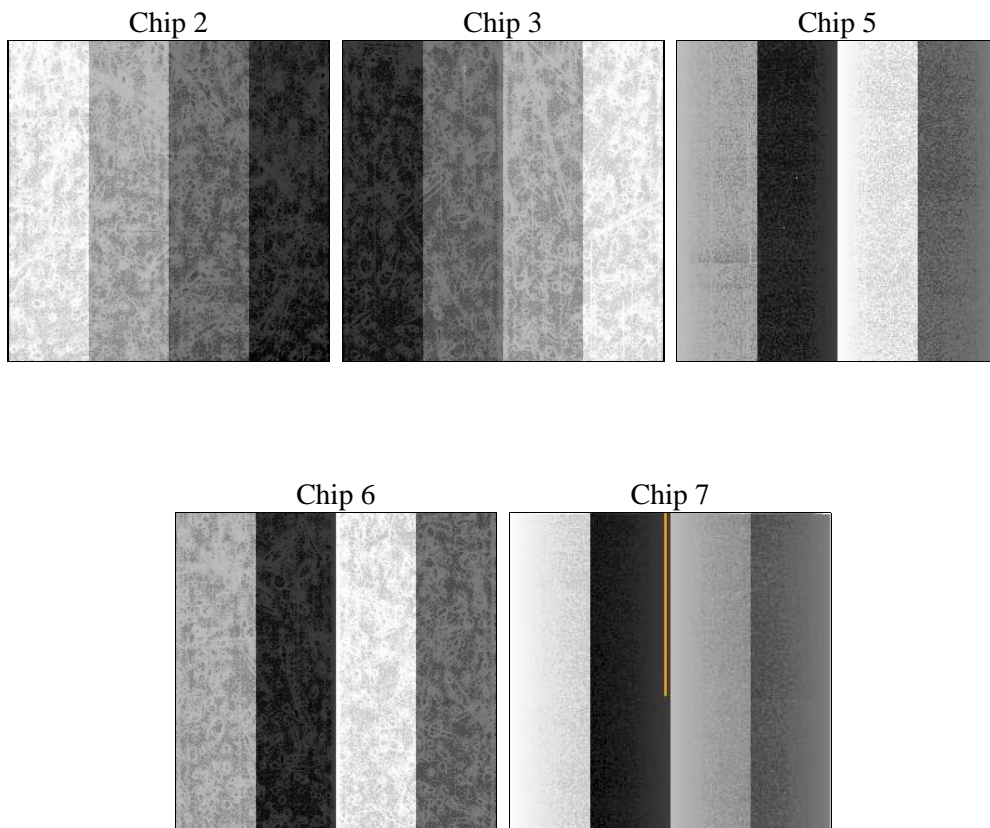
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	24500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	24539.16308254	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	24535.857912242	Sum of GTIs [s]
date	2012-06-24T08:46:08	Date and time of file creation	ontime3	24532.758021891	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	24539.122042537	Sum of GTIs [s]
			ontime6	24539.081002533	Sum of GTIs [s]
			ontime7	24539.16308254	Sum of GTIs [s]
			l1events	1059705	Number of level 1 events

2.1.4 Events

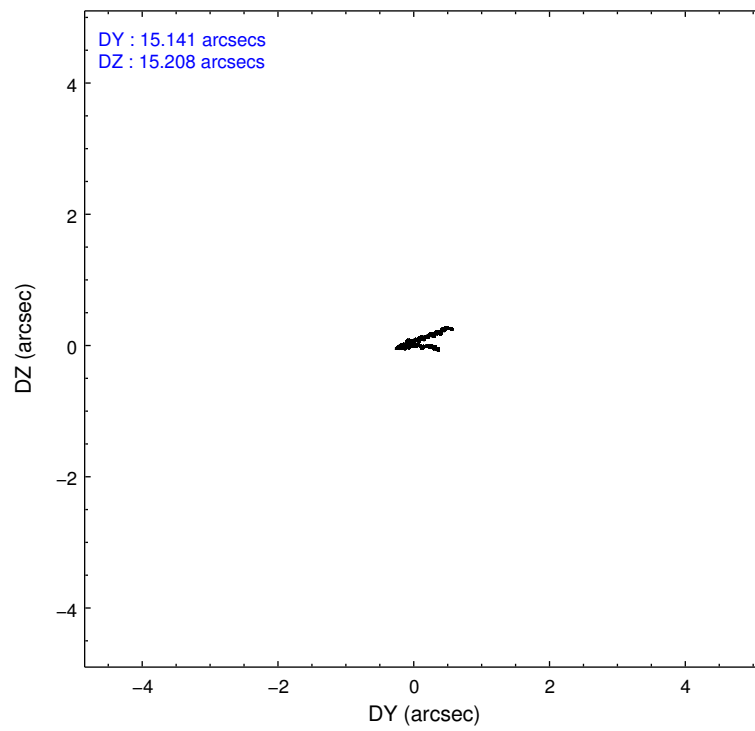
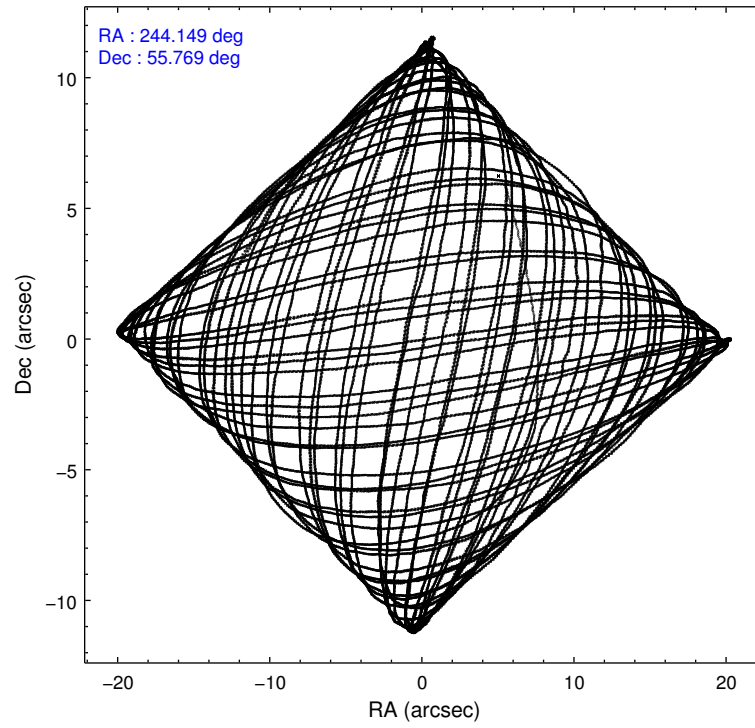
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	187846	180296	271481	194347	225735
rejected events	168746	161871	140513	166012	123078
rejected %	89%	89%	51%	85%	54%

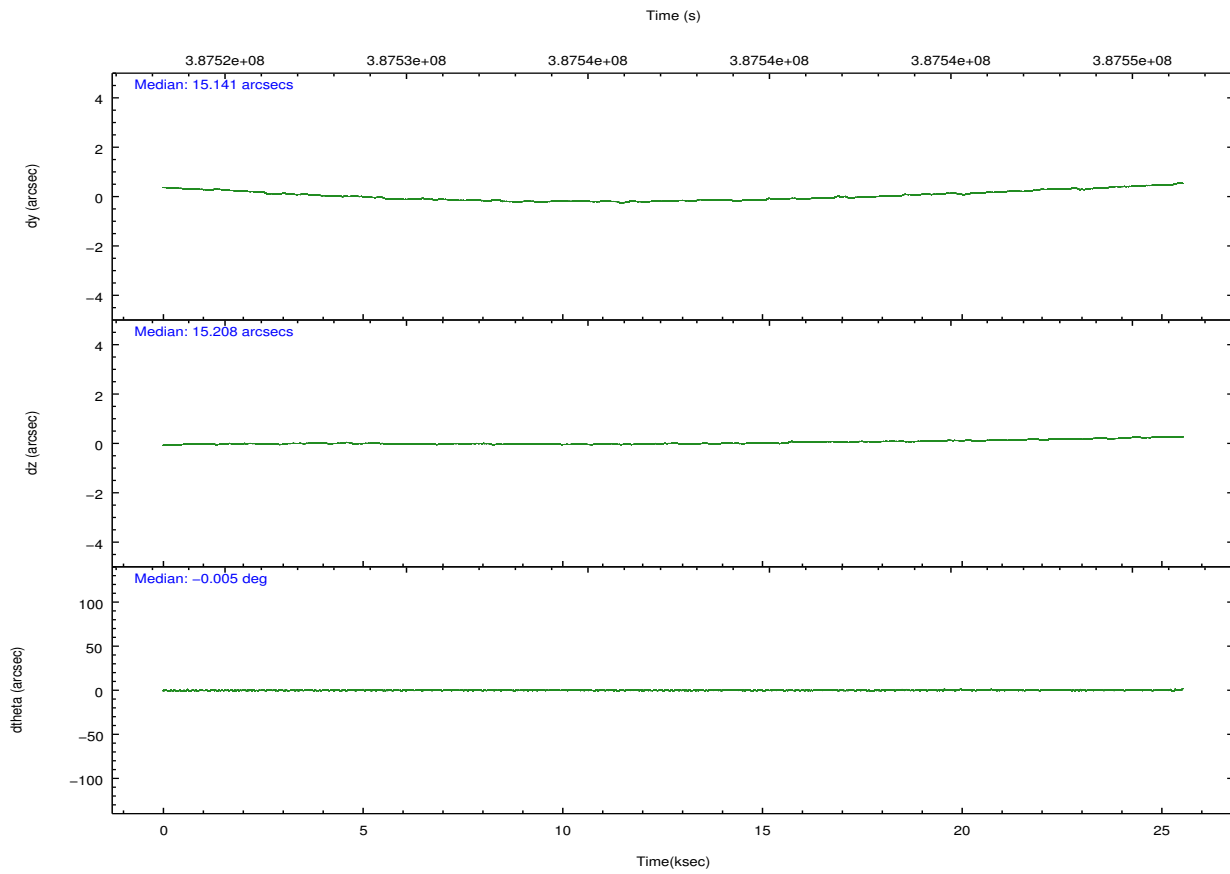
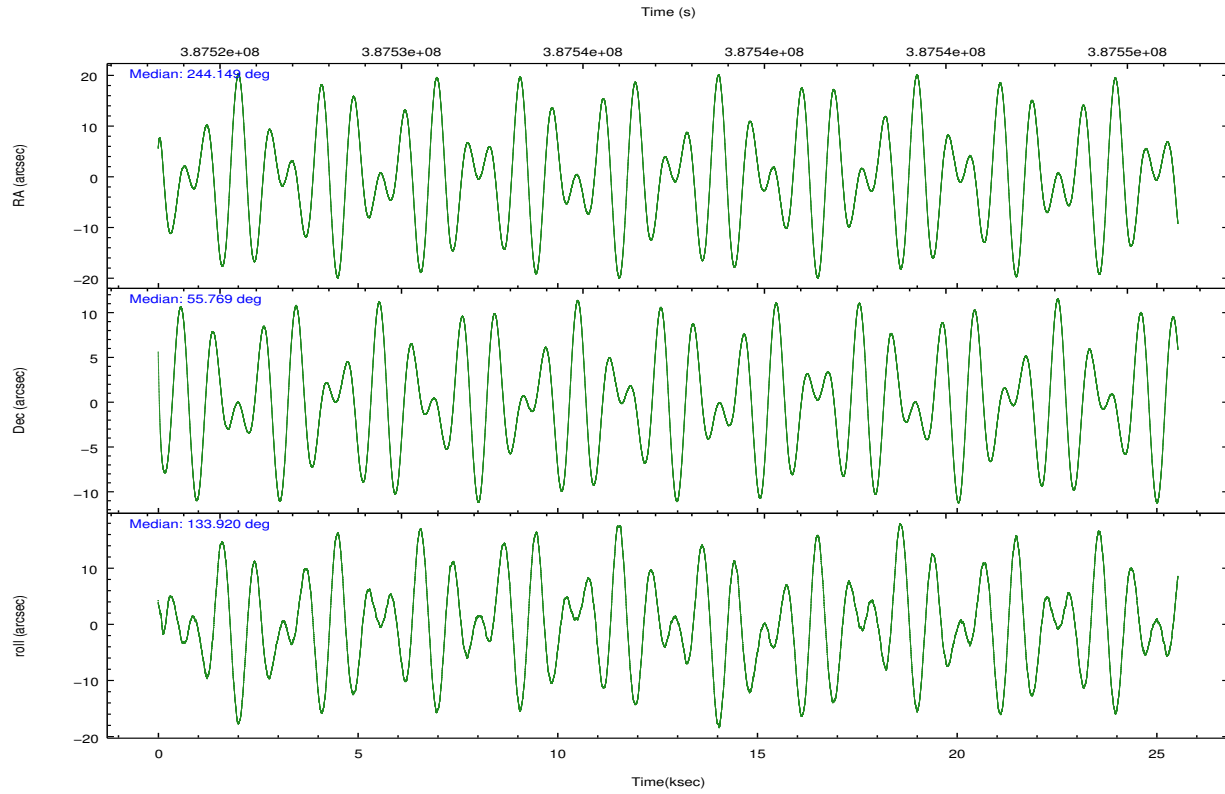
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	6935	6489	8612	14875	9850
	3%	3%	3%	7%	4%
grade 1 events	102	93	536	162	276
	0%	0%	0%	0%	0%
grade 2 events	4585	3989	40220	4618	20740
	2%	2%	14%	2%	9%
grade 3 events	1988	2013	5179	2182	9111
	1%	1%	1%	1%	4%
grade 4 events	1977	2124	4926	2200	9058
	1%	1%	1%	1%	4%
grade 5 events	6948	8135	21376	8239	23322
	3%	4%	7%	4%	10%
grade 6 events	3616	3813	72067	4467	53905
	1%	2%	26%	2%	23%
grade 7 events	161695	153640	118565	157604	99473
	86%	85%	43%	81%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	244.195478	244.1485963070033	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.762232	55.76946270847304	Alternating exposures requested	N	N
[deg] Pointing Roll	133.730659	133.926045967039	[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)	387525605.184000	387523828.10949			
Observation start date	2010-04-13T05:58:59	2010-04-13T05:30:28			
[s] Observation end time (MET)	387550105.184000	387550786.12336			
Observation end date	2010-04-13T12:47:19	2010-04-13T12:59:46			
Read mode	TIMED	TIMED			

2.3 Aspect



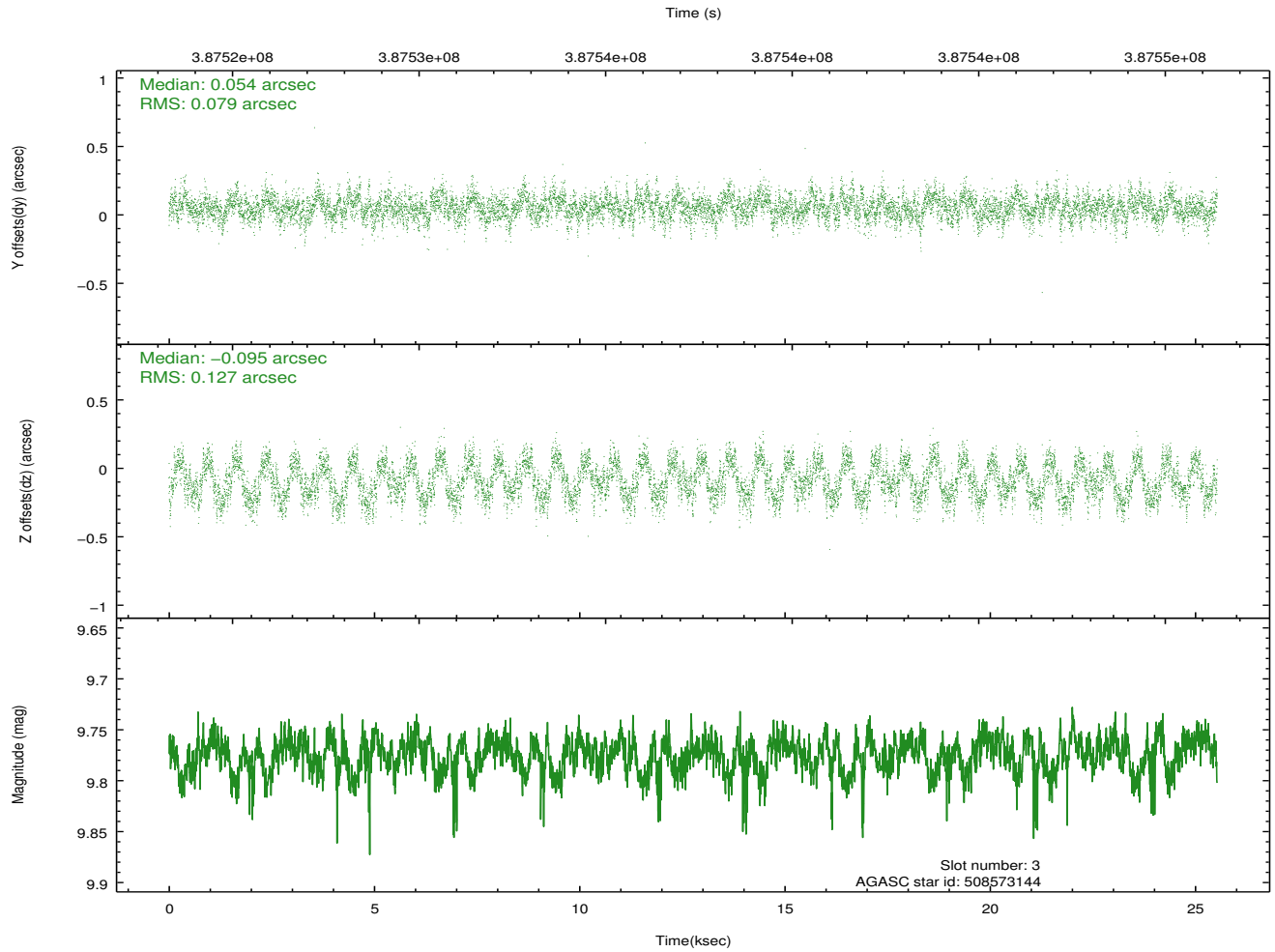
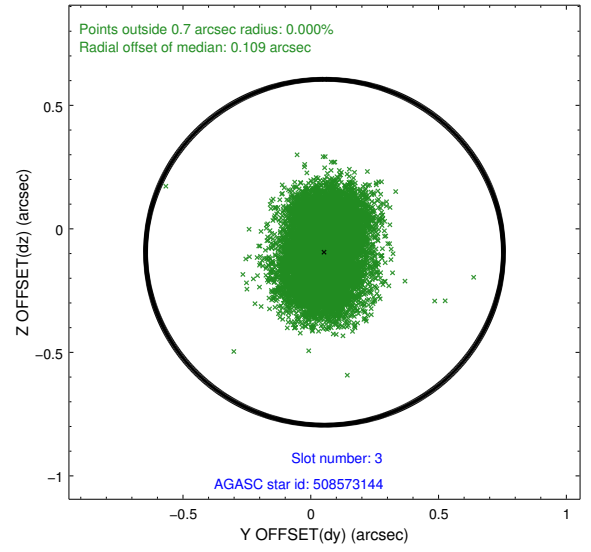
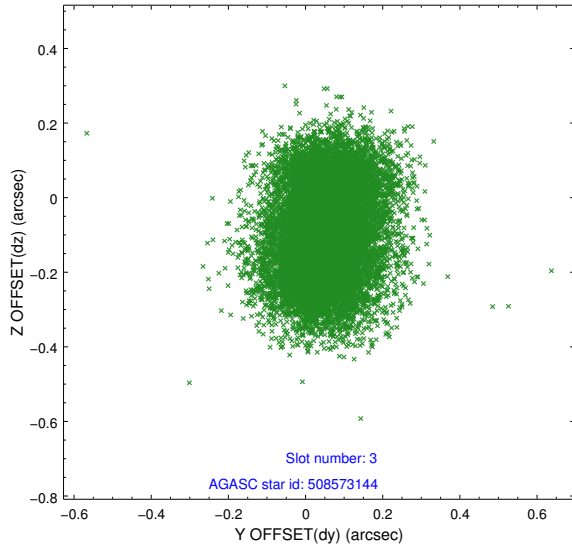


Slot Statistics

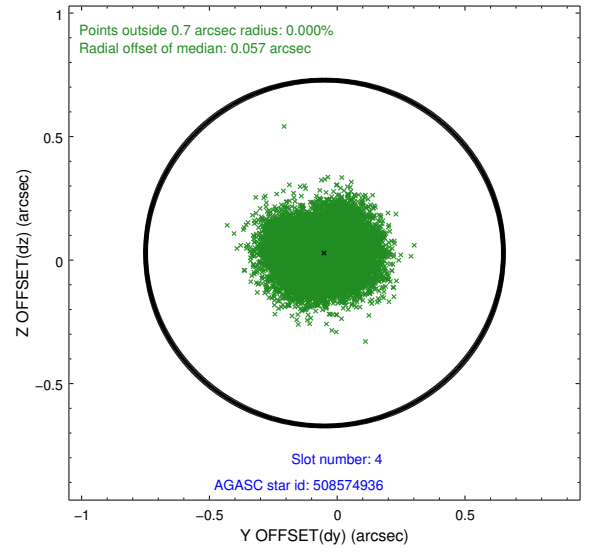
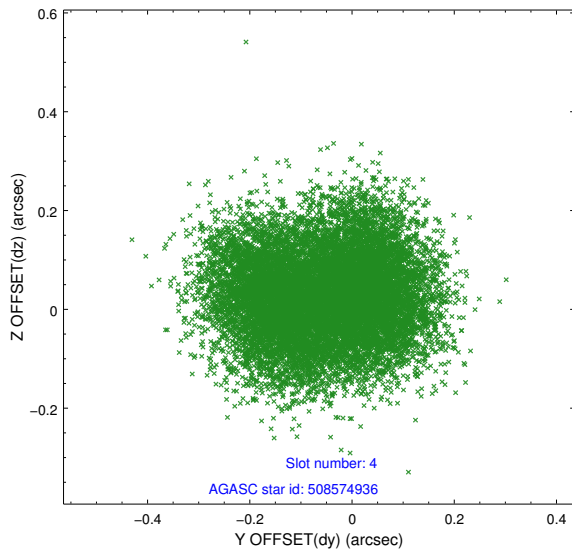
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	6228	-0.102	-0.026	0.011	0.016	0.000000	0.000000	-768.24	-1736.67
1	FID	ACIS-S-4	7.00	6228	0.207	0.056	0.015	0.022	0.000000	0.000000	2145.27	171.80
2	FID	ACIS-S-5	7.03	6228	-0.136	-0.021	0.016	0.023	0.000000	0.000000	-1820.99	165.49
3	GUIDE	508573144	9.77	12433	0.054	-0.095	0.163	0.248	243.478155	55.567836	508.98	1534.65
4	GUIDE	508574936	9.77	12414	-0.050	0.028	0.151	0.228	243.430611	55.657634	808.22	1377.33
5	GUIDE	508699760	8.58	12450	-0.114	0.029	0.090	0.139	244.564277	56.133635	456.47	-1459.73
6	GUIDE	508707432	9.05	12445	0.073	0.132	0.110	0.173	245.148479	56.043462	-583.02	-2093.38
7	GUIDE	508576792	9.04	12446	0.036	-0.101	0.083	0.130	244.272390	55.269176	-1395.31	1115.60

2.4 Star Slots

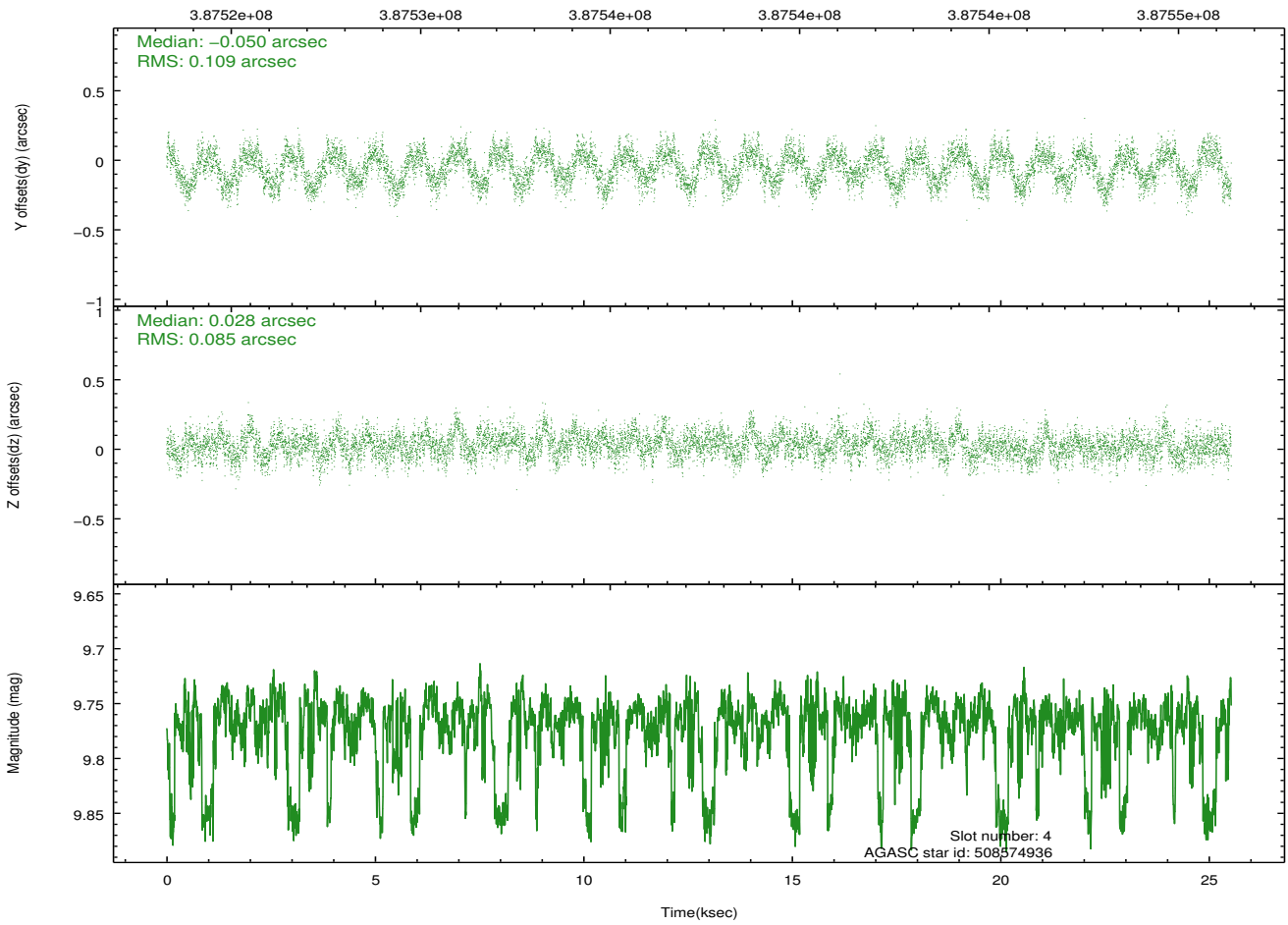
2.4.1 Slot 3



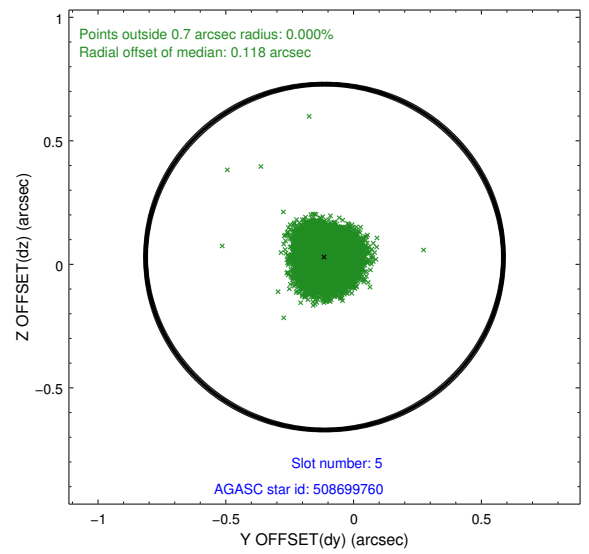
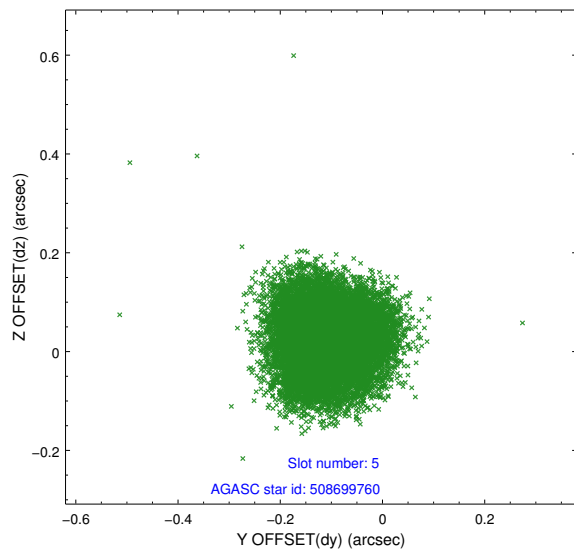
2.4.2 Slot 4



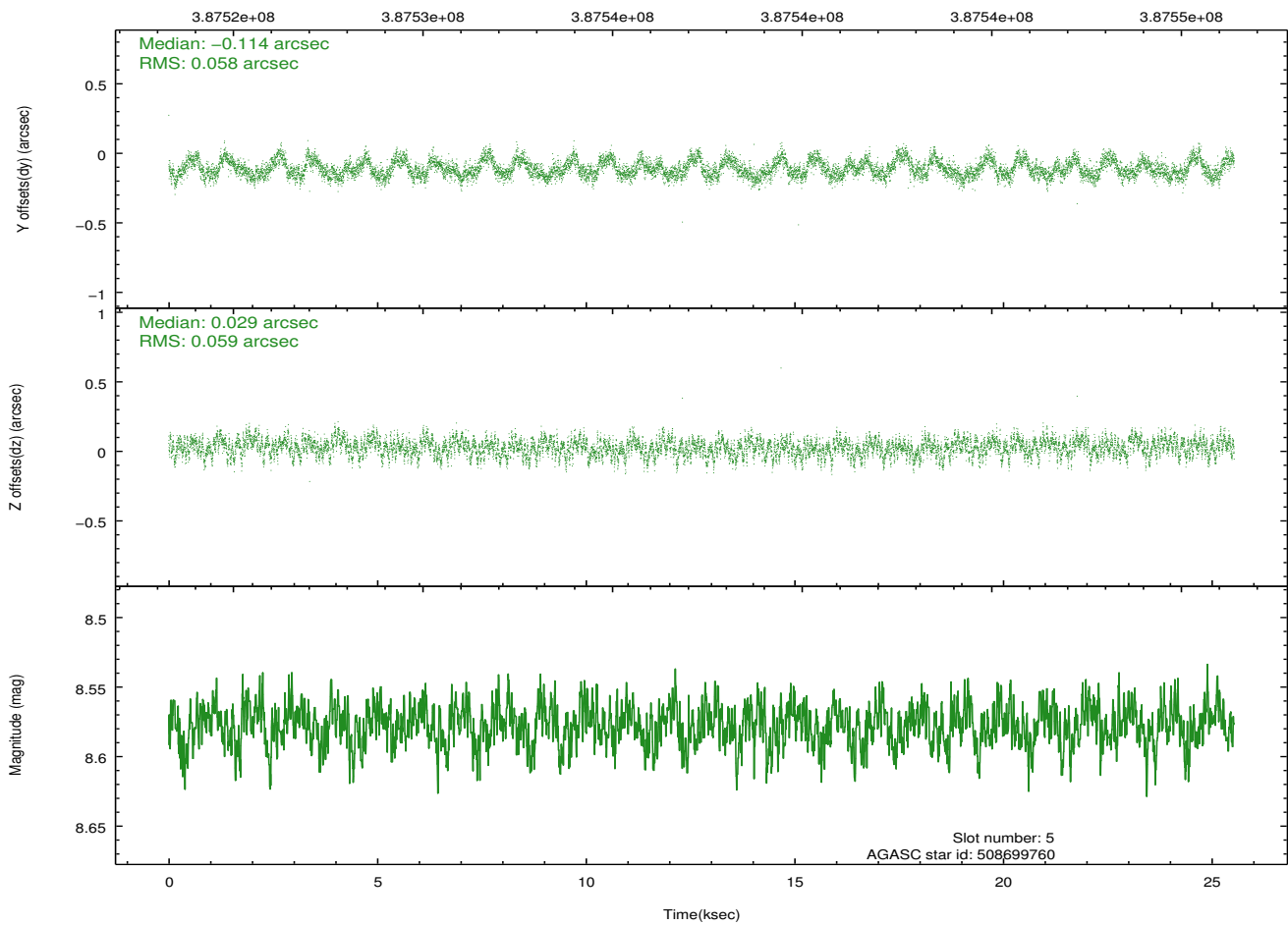
Time (s)



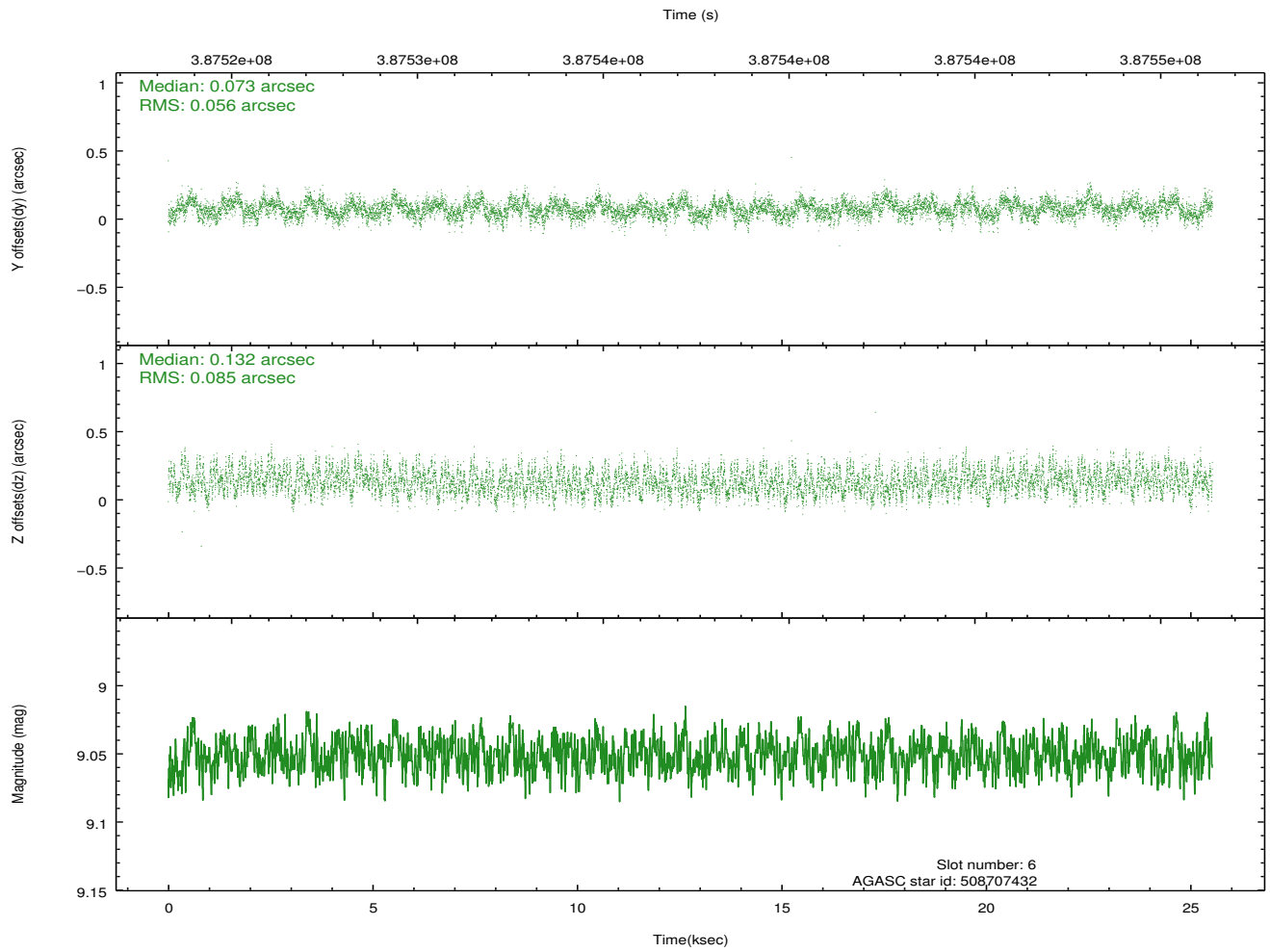
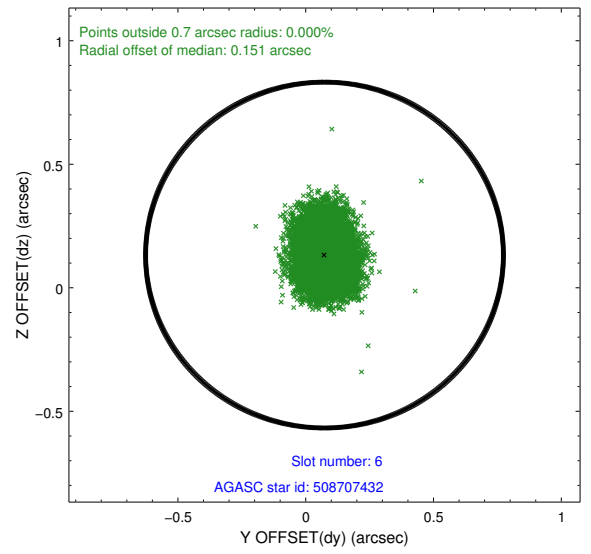
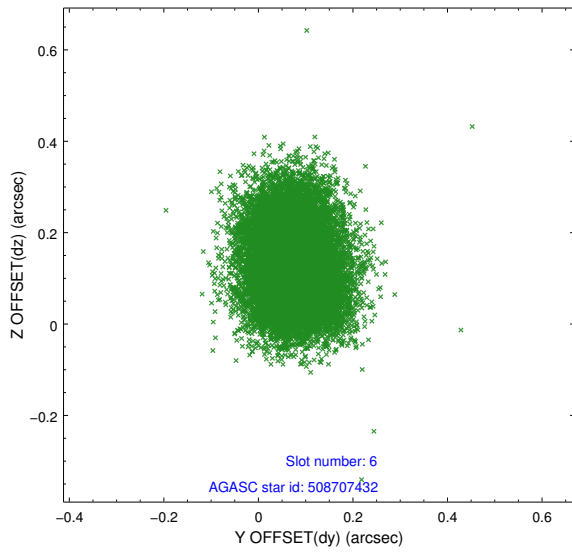
2.4.3 Slot 5



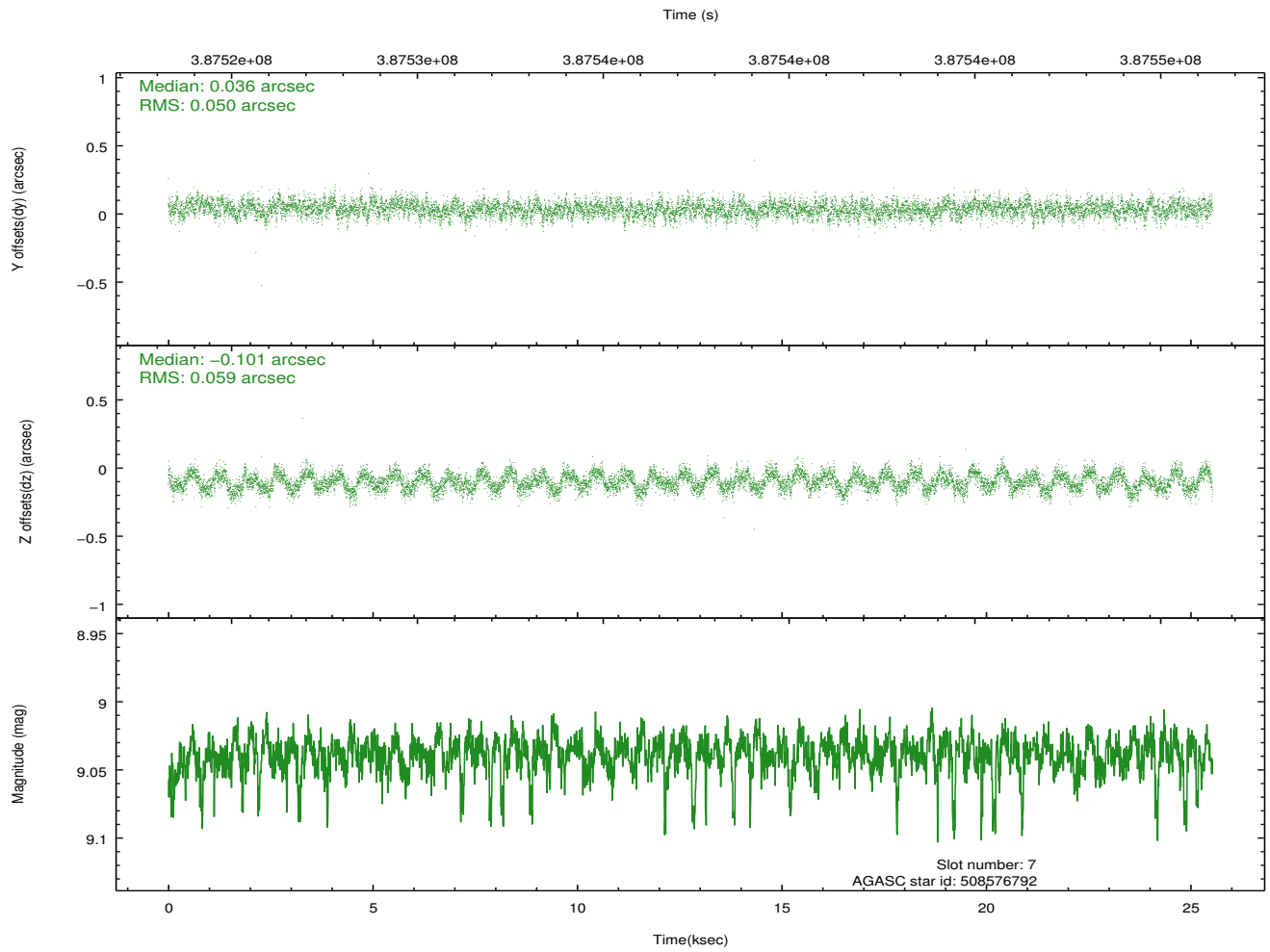
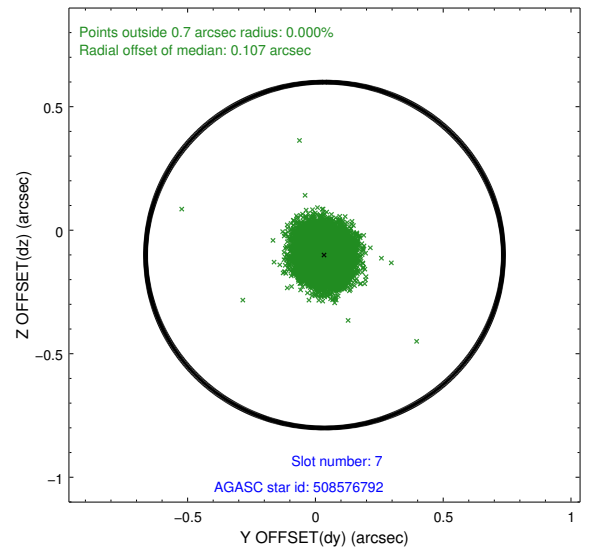
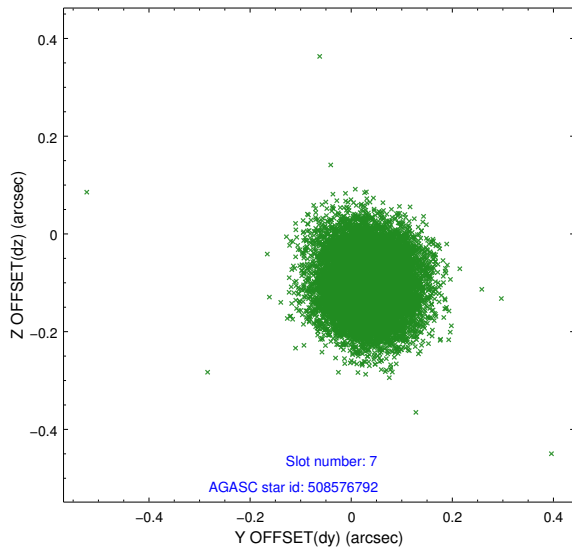
Time (s)



2.4.4 Slot 6

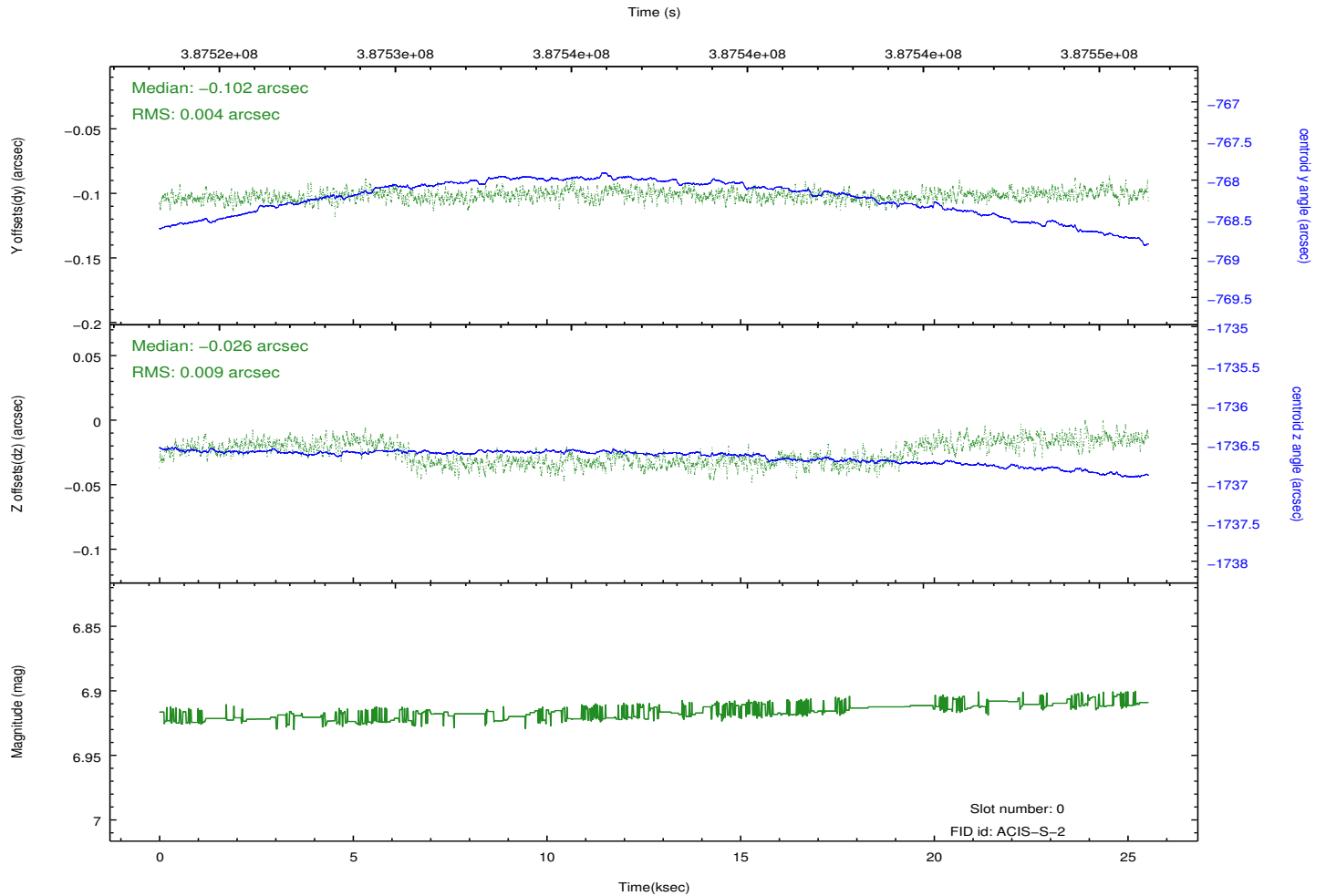
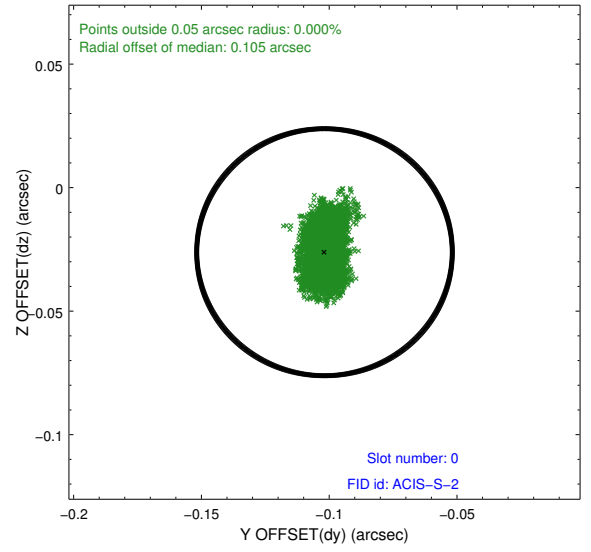
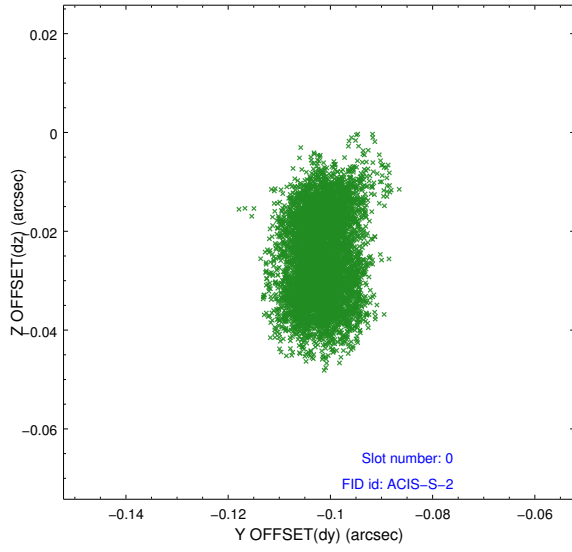


2.4.5 Slot 7

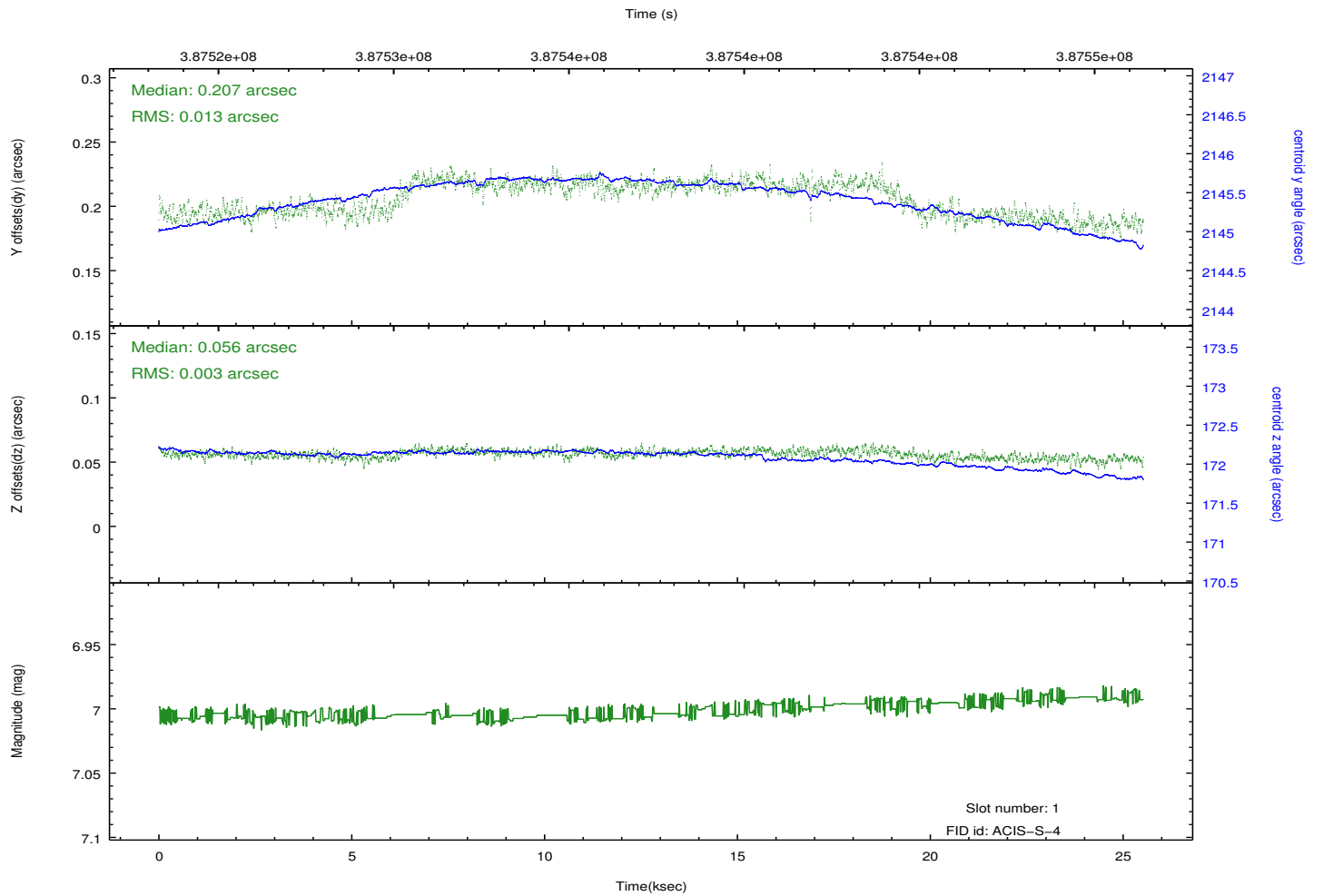
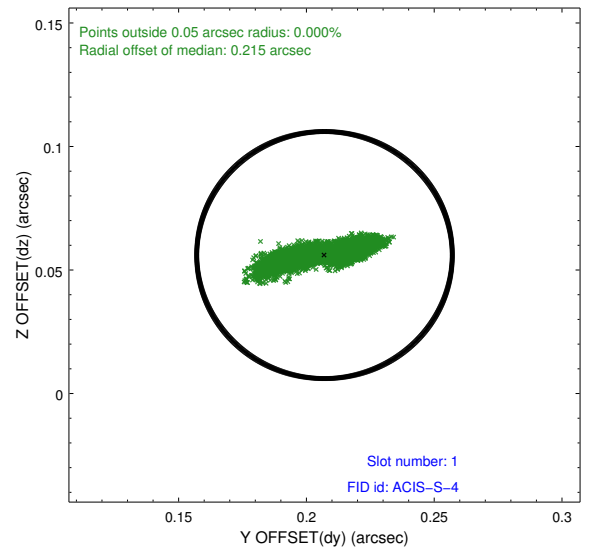
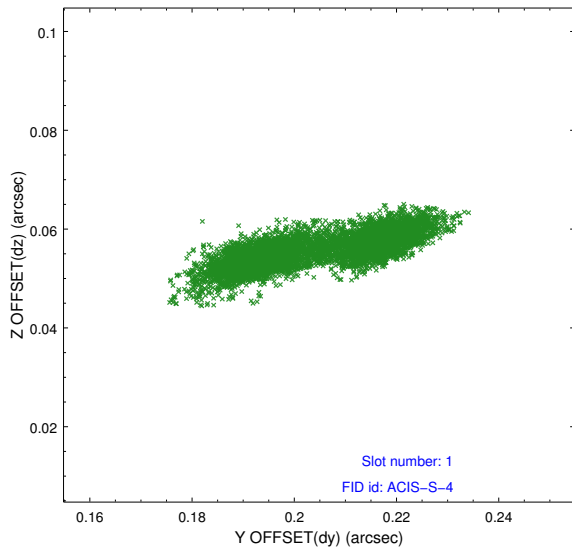


2.5 FID Slots

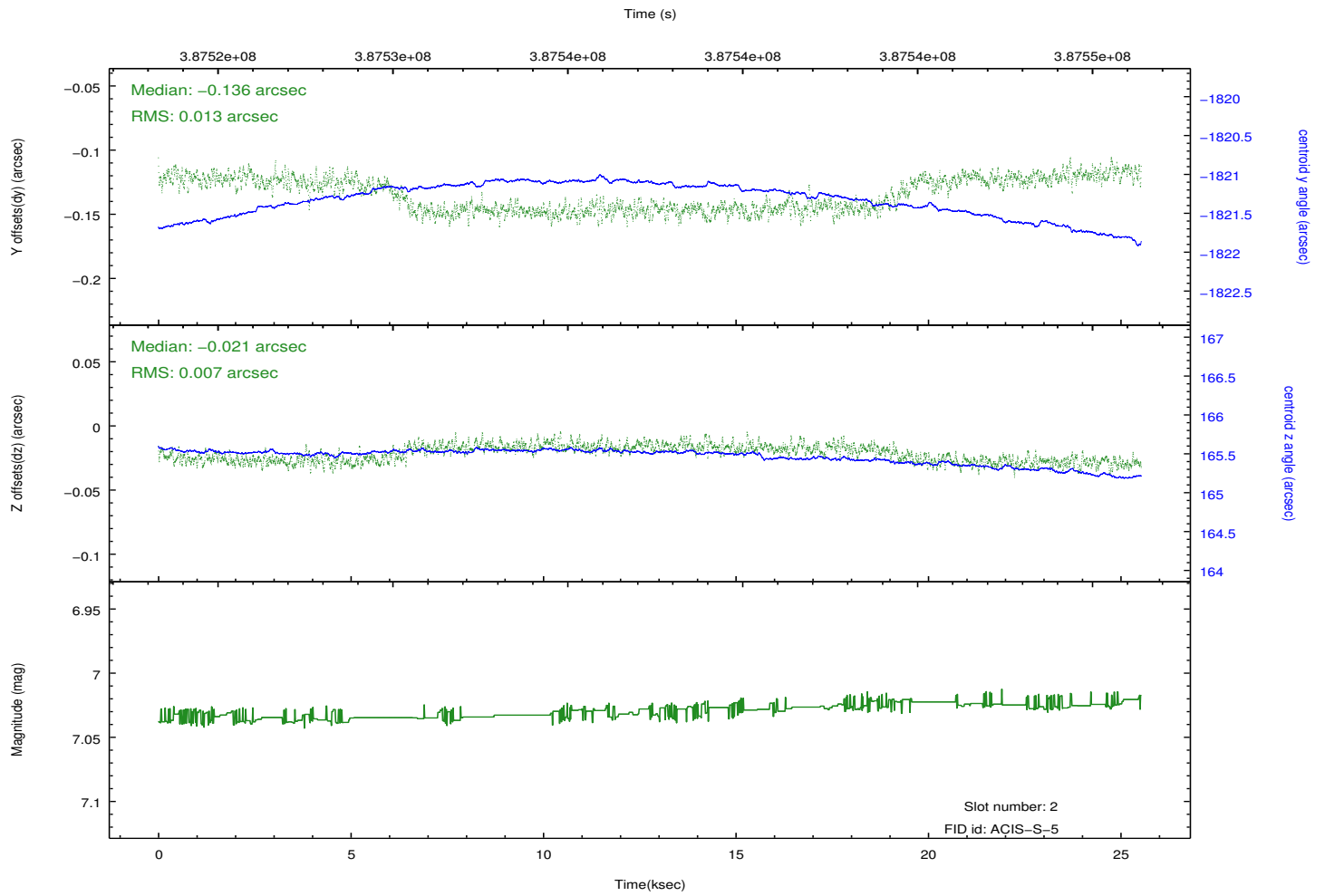
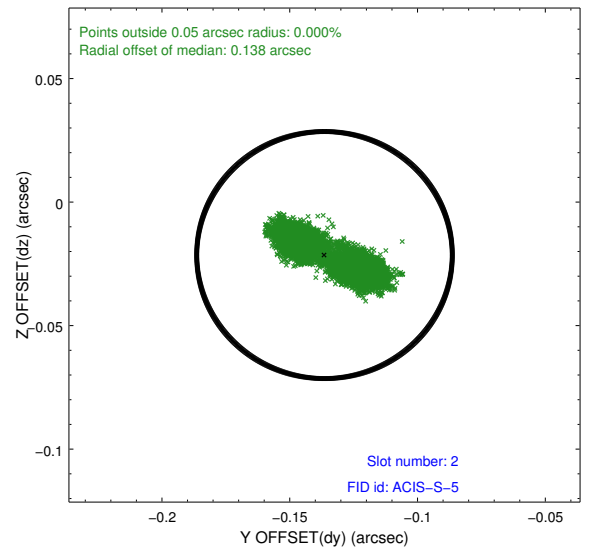
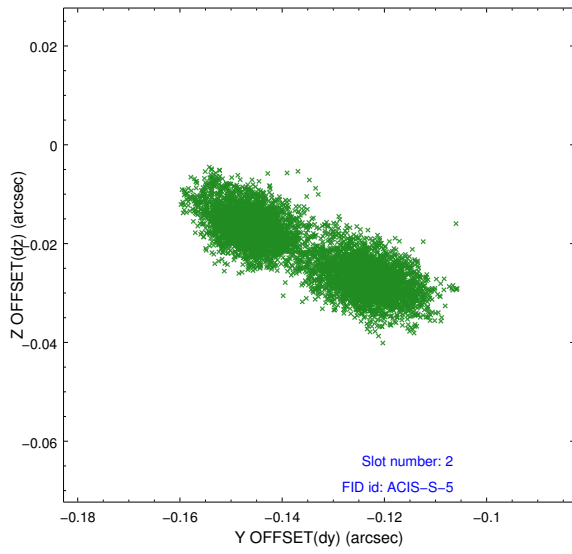
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.539163083136

A.2 Comments