

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 4938 - L2 Version 3
Chandra X-Ray Center

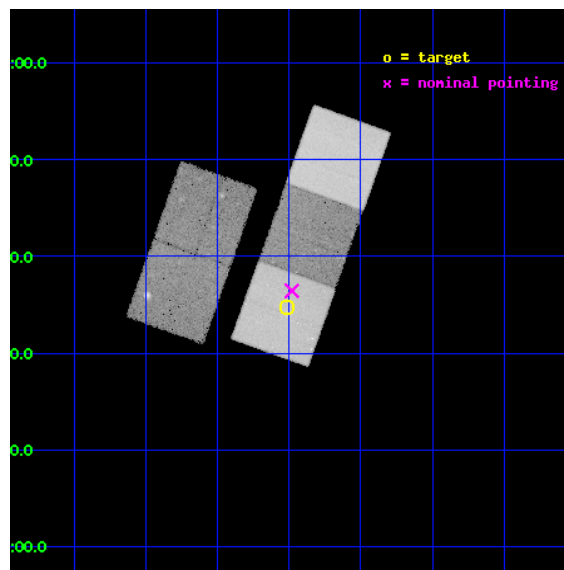
L2 Processing Date : Dec 23 2012

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1 Front

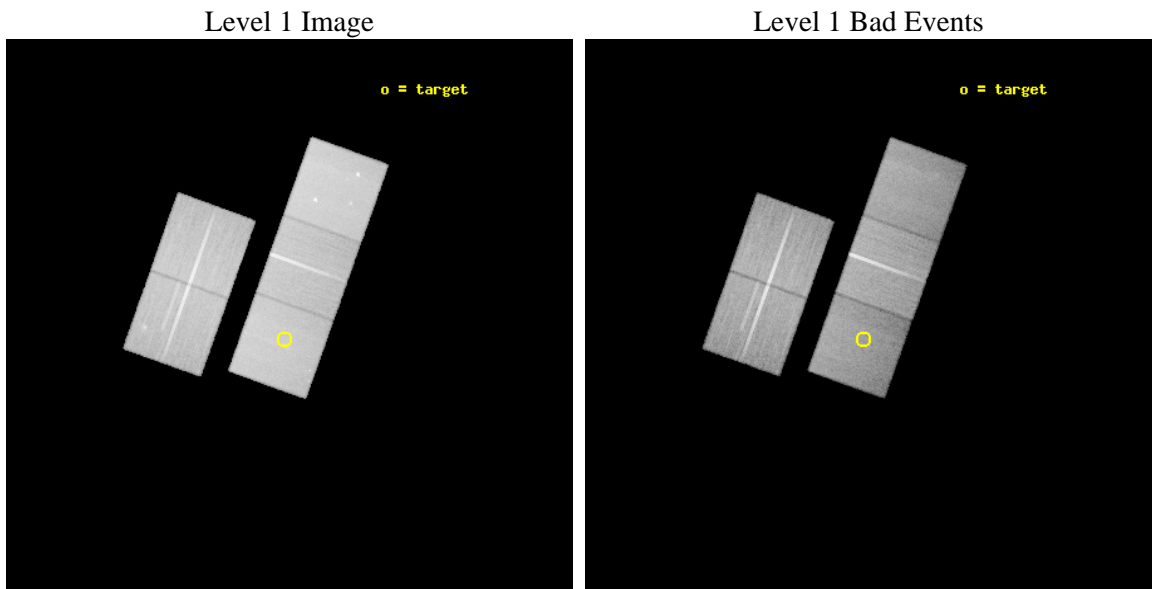
seq_num	800389	Sequence number
obs_id	4938	Observation id
title	Continuation of a Chandra Survey of a Uniformly Selected Sample of High-Redshift Galaxy Clusters	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCS2318.5+0034	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	349.628333	Observer's specified target RA [deg]
dec_targ	0.579167	Observer's specified target Dec [deg]
ra_nom	349.62021461211	Nominal RA [deg]
dec_nom	0.60709967862113	Nominal Dec [deg]
roll_nom	109.66472718379	Nominal Roll [deg]
revision	3	Processing version of data
ontime	51122.099901676	Sum of GTIs [s]
livetime	50454.152030918	Livetime [s]
ontime2	51109.536010712	Sum of GTIs [s]
ontime3	51122.099901676	Sum of GTIs [s]
ontime5	51122.099901676	Sum of GTIs [s]
ontime6	51115.817951292	Sum of GTIs [s]
ontime7	51122.099901676	Sum of GTIs [s]
l2events	445833	Number of level 2 events



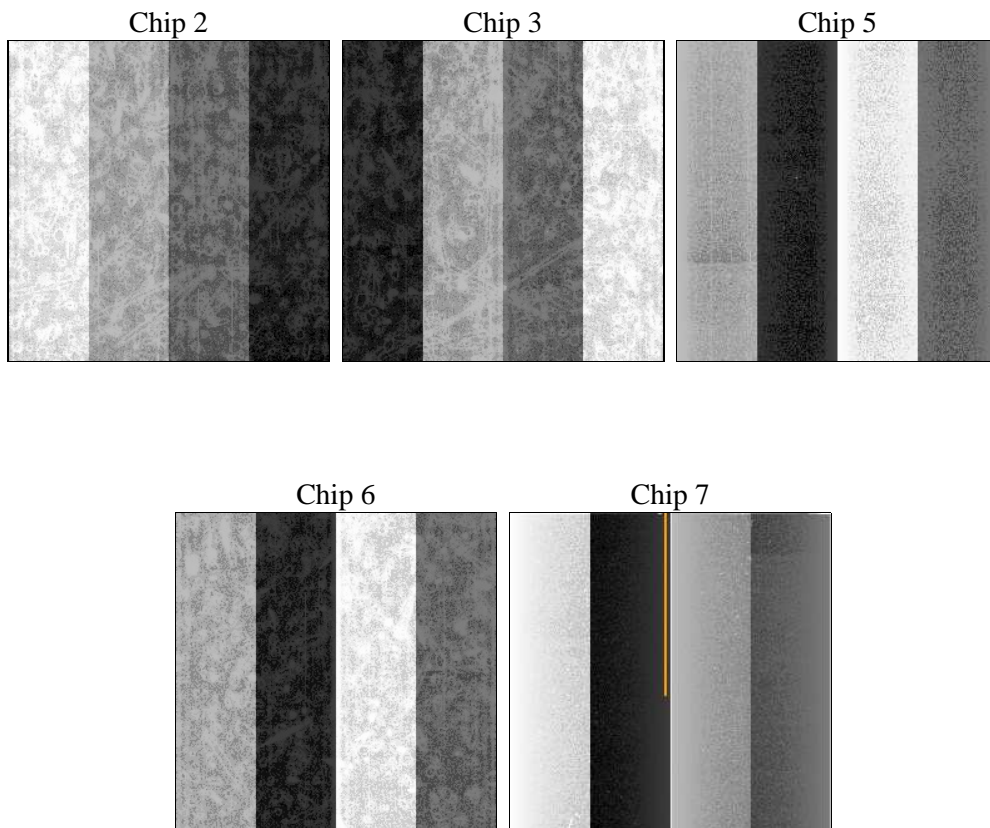
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	51000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	51122.099901676	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	51109.536010712	Sum of GTIs [s]
date	2012-12-23T04:05:03	Date and time of file creation	ontime3	51122.099901676	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	51122.099901676	Sum of GTIs [s]
			ontime6	51115.817951292	Sum of GTIs [s]
			ontime7	51122.099901676	Sum of GTIs [s]
			l1events	1794214	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	343614	322260	435956	328234	364150
rejected events	312477	291662	221896	294722	199030
rejected %	90%	90%	50%	89%	54%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	11152	11304	17448	11525	15505
	3%	3%	4%	3%	4%
grade 1 events	170	178	381	139	312
	0%	0%	0%	0%	0%
grade 2 events	7491	6543	64344	7481	34188
	2%	2%	14%	2%	9%
grade 3 events	3537	3515	10673	3871	16069
	1%	1%	2%	1%	4%
grade 4 events	3521	3539	10382	3697	16015
	1%	1%	2%	1%	4%
grade 5 events	10917	12969	37401	13762	39404
	3%	4%	8%	4%	10%
grade 6 events	5727	5935	112924	7162	84648
	1%	1%	25%	2%	23%
grade 7 events	301099	278277	182403	280597	158009
	87%	86%	41%	85%	43%

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	349.641205	349.6202146121128	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.589737	0.6070996786211349	Alternating exposures requested	N	N
[deg] Pointing Roll	109.507885	109.6647271837941	[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)	231514761.184000	231513532.84166			
Observation start date	2005-05-03T13:38:17	2005-05-03T13:18:52			
[s] Observation end time (MET)	231565761.184000	231566364.93156			
Observation end date	2005-05-04T03:48:17	2005-05-04T03:59:24			
Read mode	TIMED	TIMED			

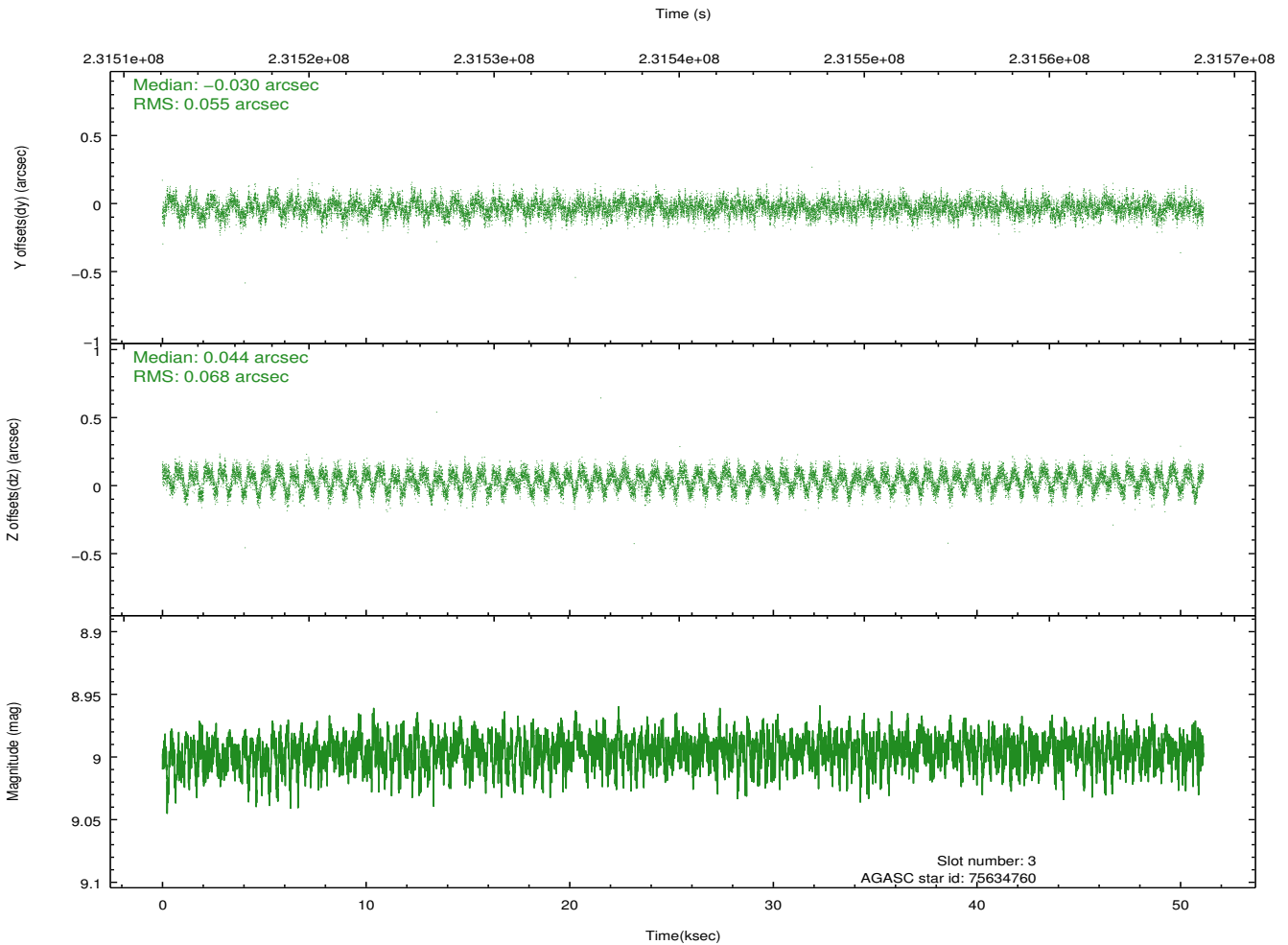
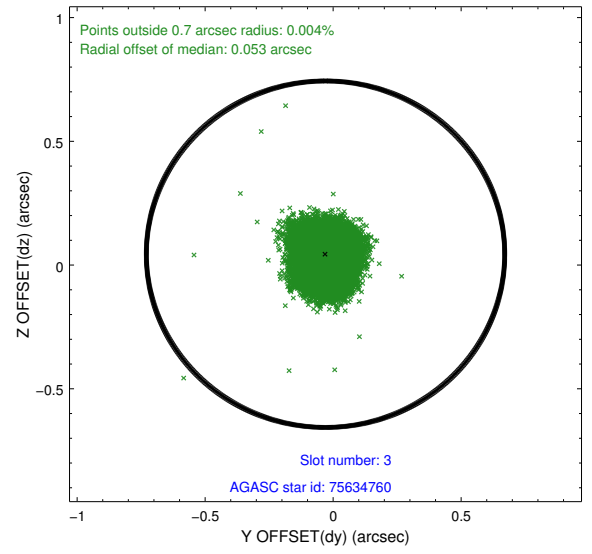
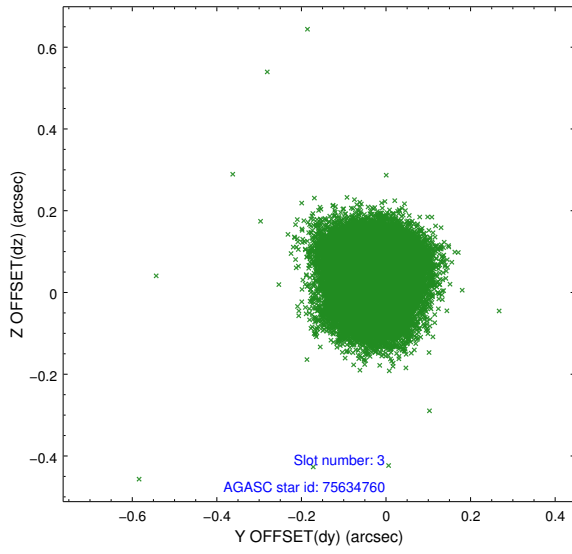
2.3 Aspect

Slot Statistics

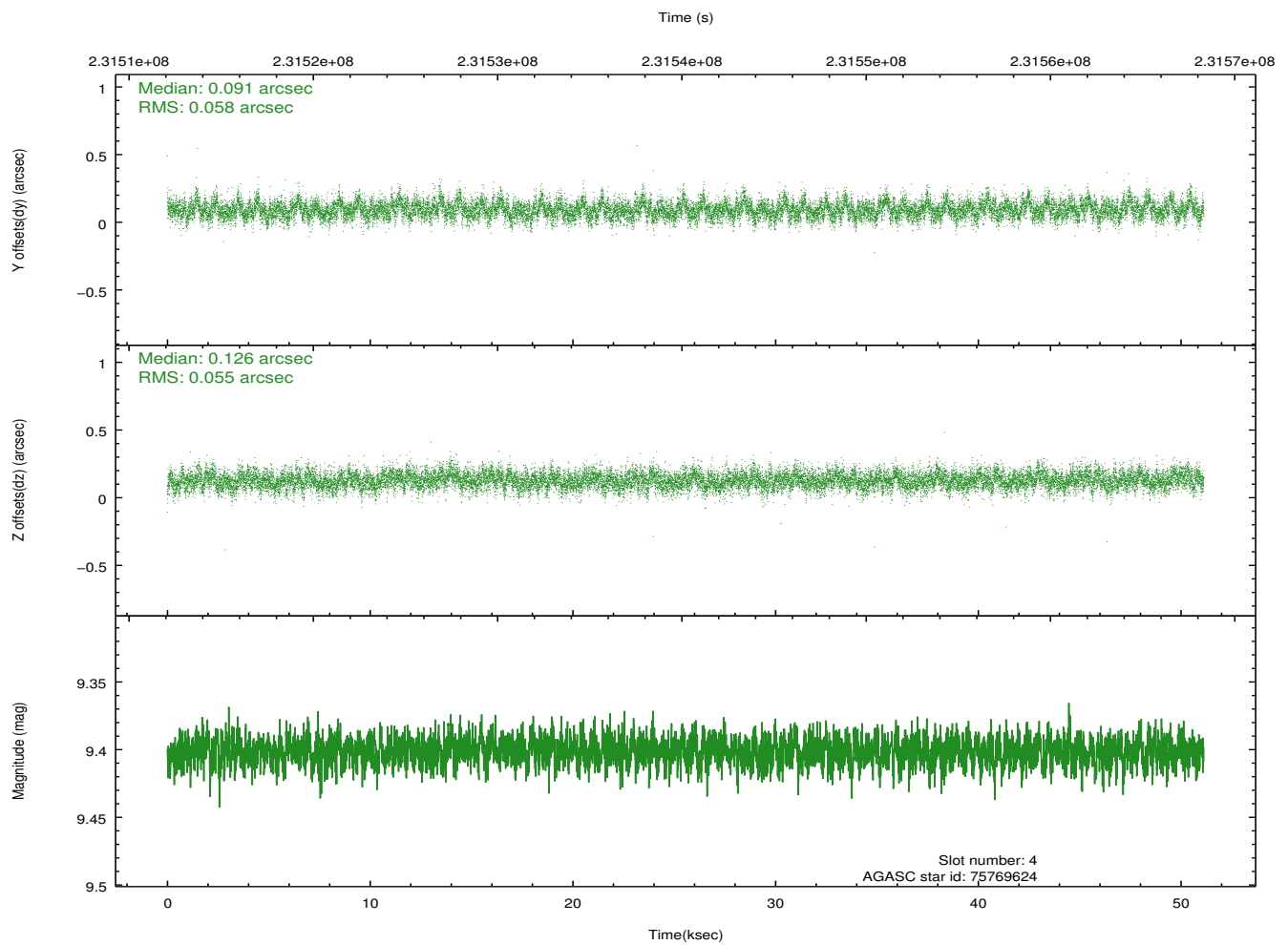
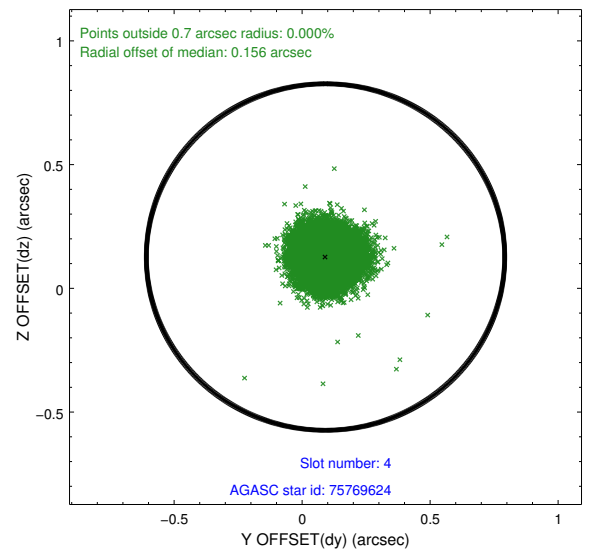
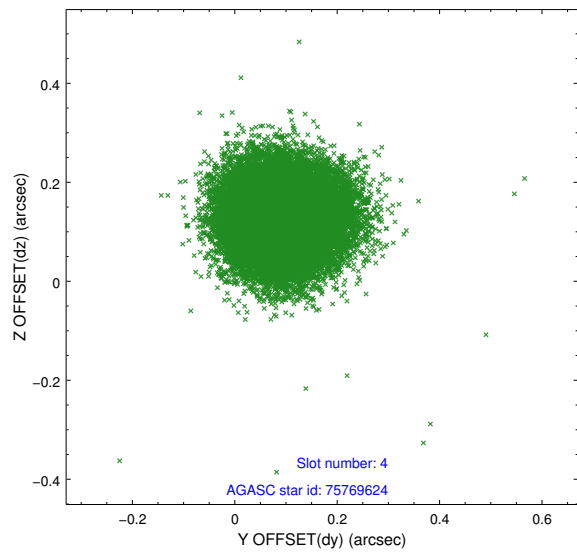
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12471	-0.021	-0.026	0.011	0.027	0.000000	0.000000	-760.21	-1733.17
1	FID	ACIS-S-4	7.20	12470	0.076	0.017	0.014	0.024	0.000000	0.000000	2153.17	175.39
2	FID	ACIS-S-5	7.23	12471	-0.086	0.017	0.014	0.022	0.000000	0.000000	-1813.15	169.02
3	GUIDE	75634760	9.00	24932	-0.030	0.044	0.095	0.145	349.528153	0.494791	-186.18	498.04
4	GUIDE	75769624	9.40	24920	0.091	0.126	0.085	0.138	350.180830	0.159527	-2108.27	-1313.69
5	GUIDE	687220280	9.36	24924	0.130	0.035	0.082	0.133	349.573474	-0.035729	-2040.85	981.96
6	GUIDE	75636968	9.29	24920	0.043	-0.055	0.124	0.202	349.584767	0.524969	-151.83	269.52
7	GUIDE	75633944	9.62	24906	-0.239	-0.149	0.112	0.182	348.993380	0.669916	1050.86	2101.72

2.4 Star Slots

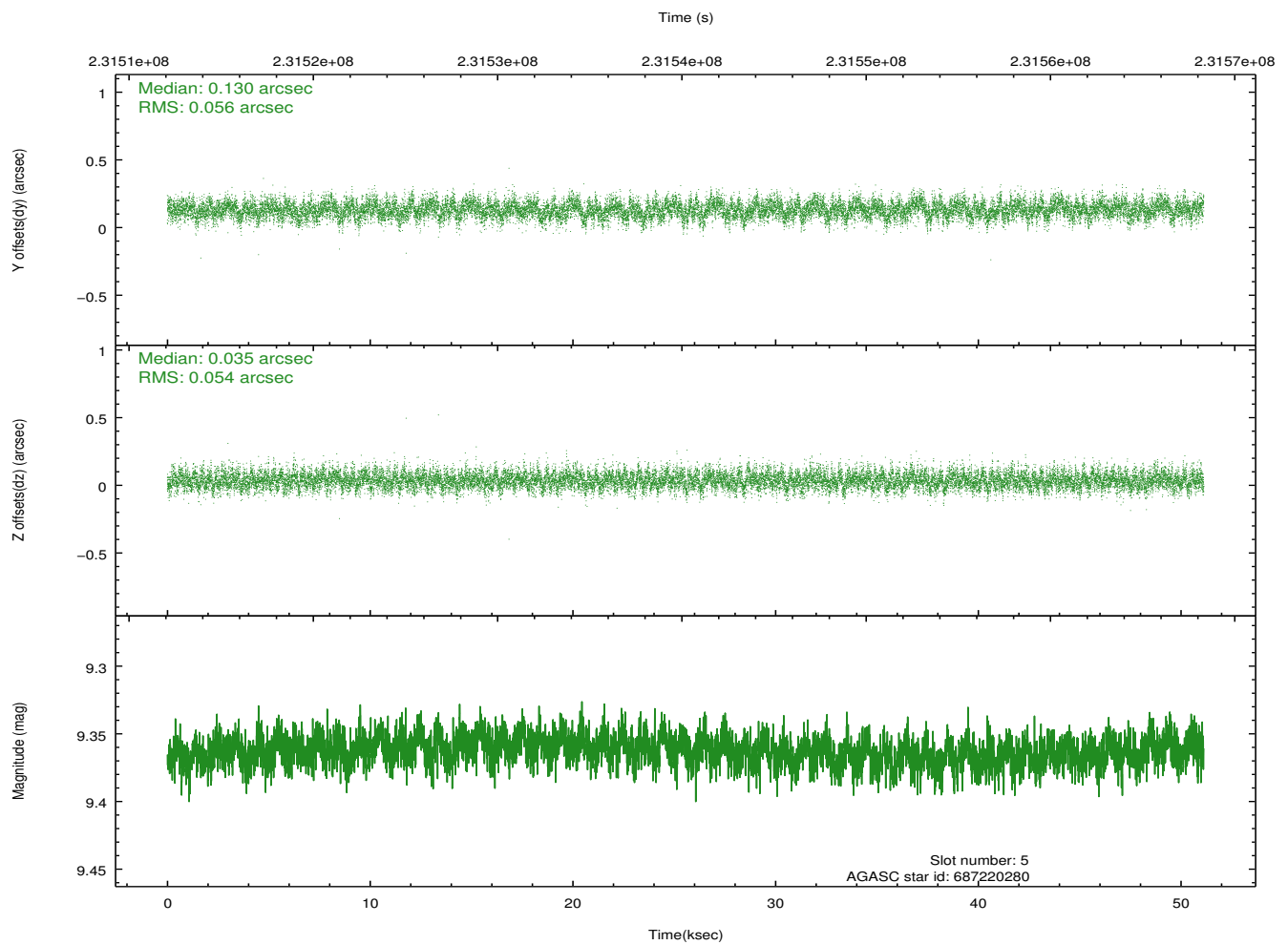
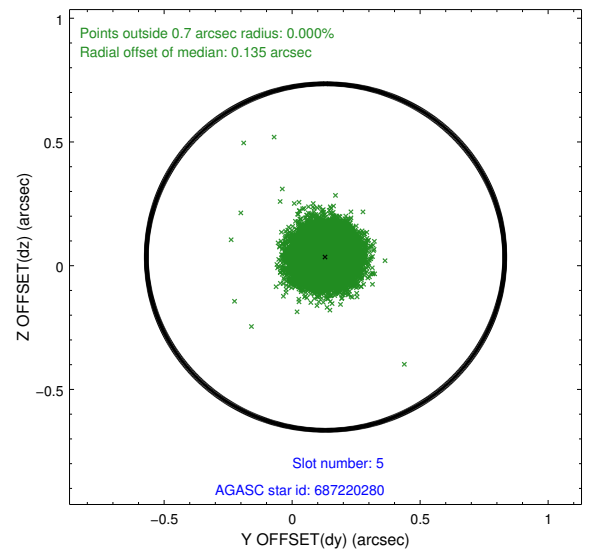
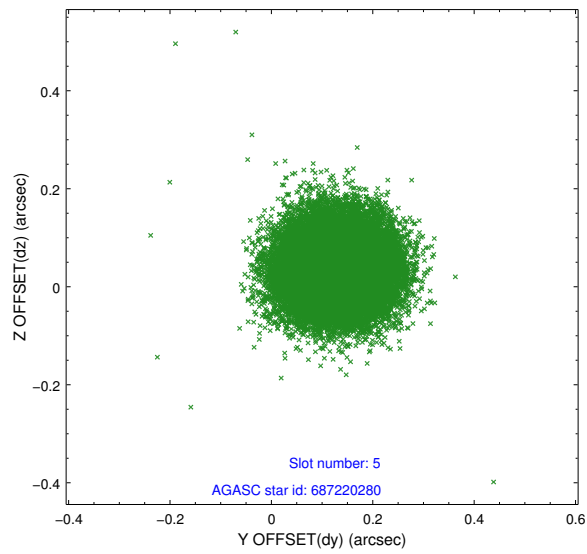
2.4.1 Slot 3



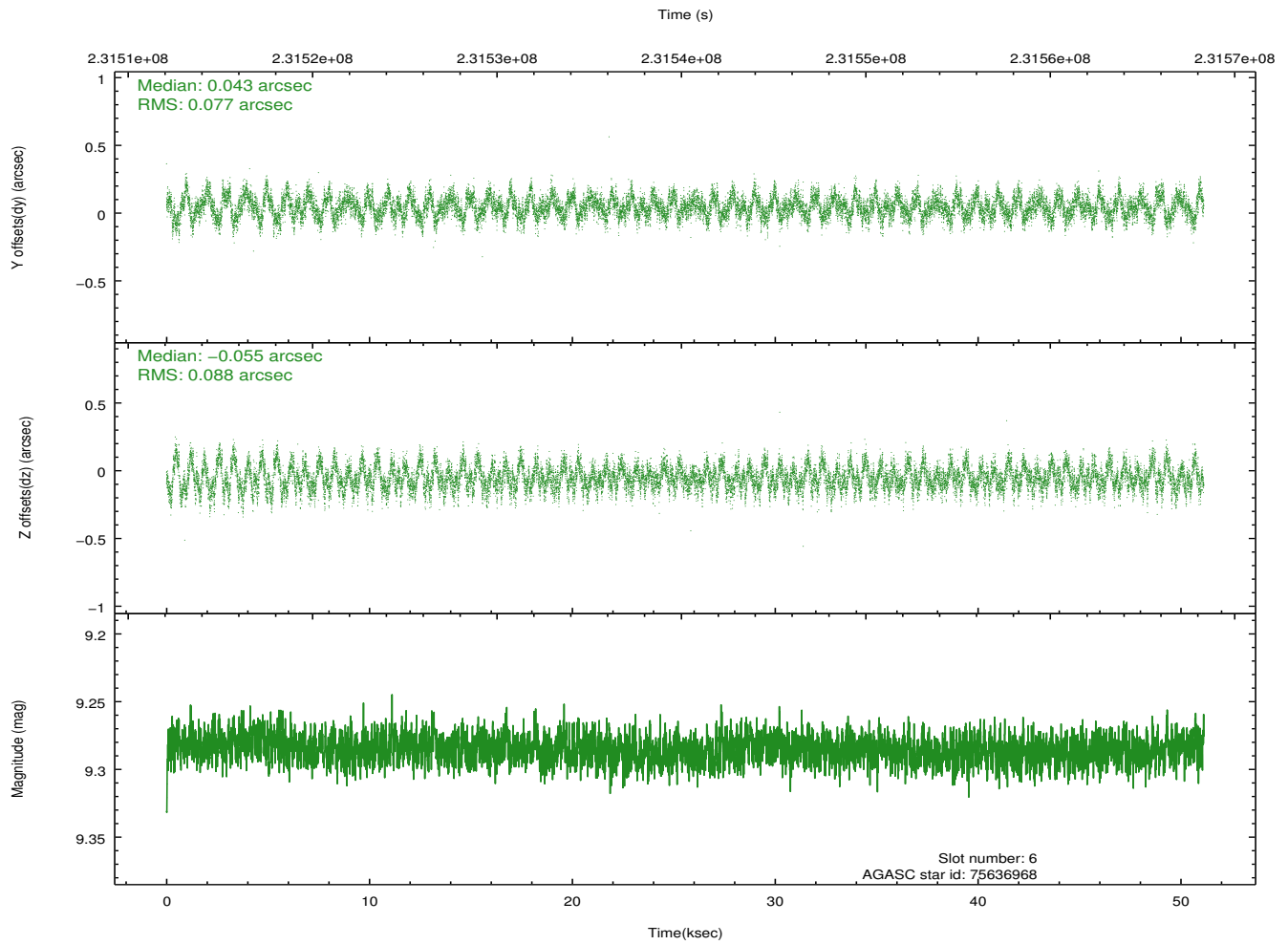
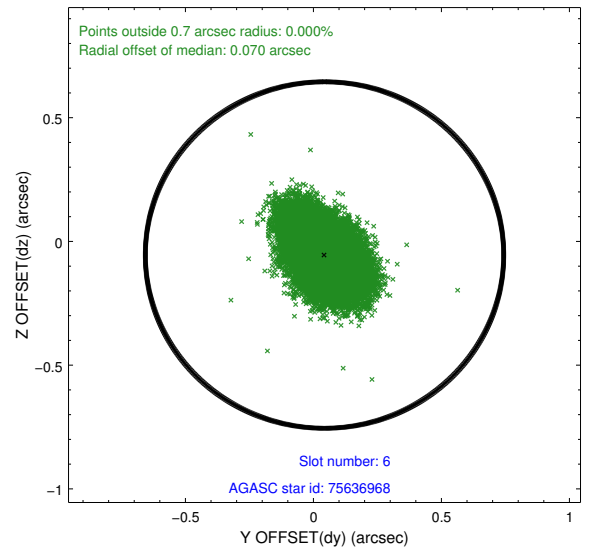
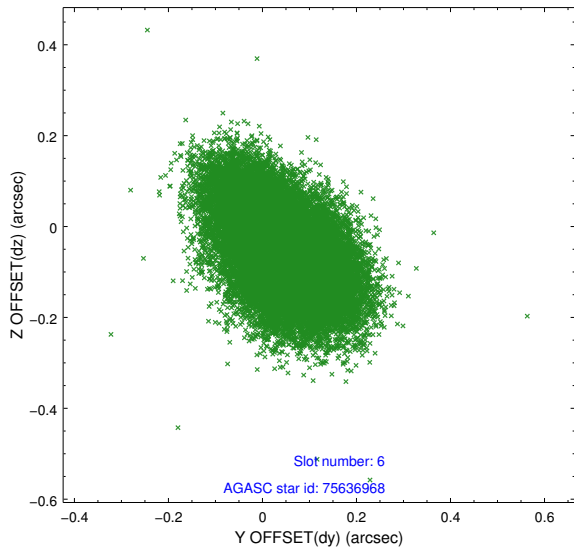
2.4.2 Slot 4



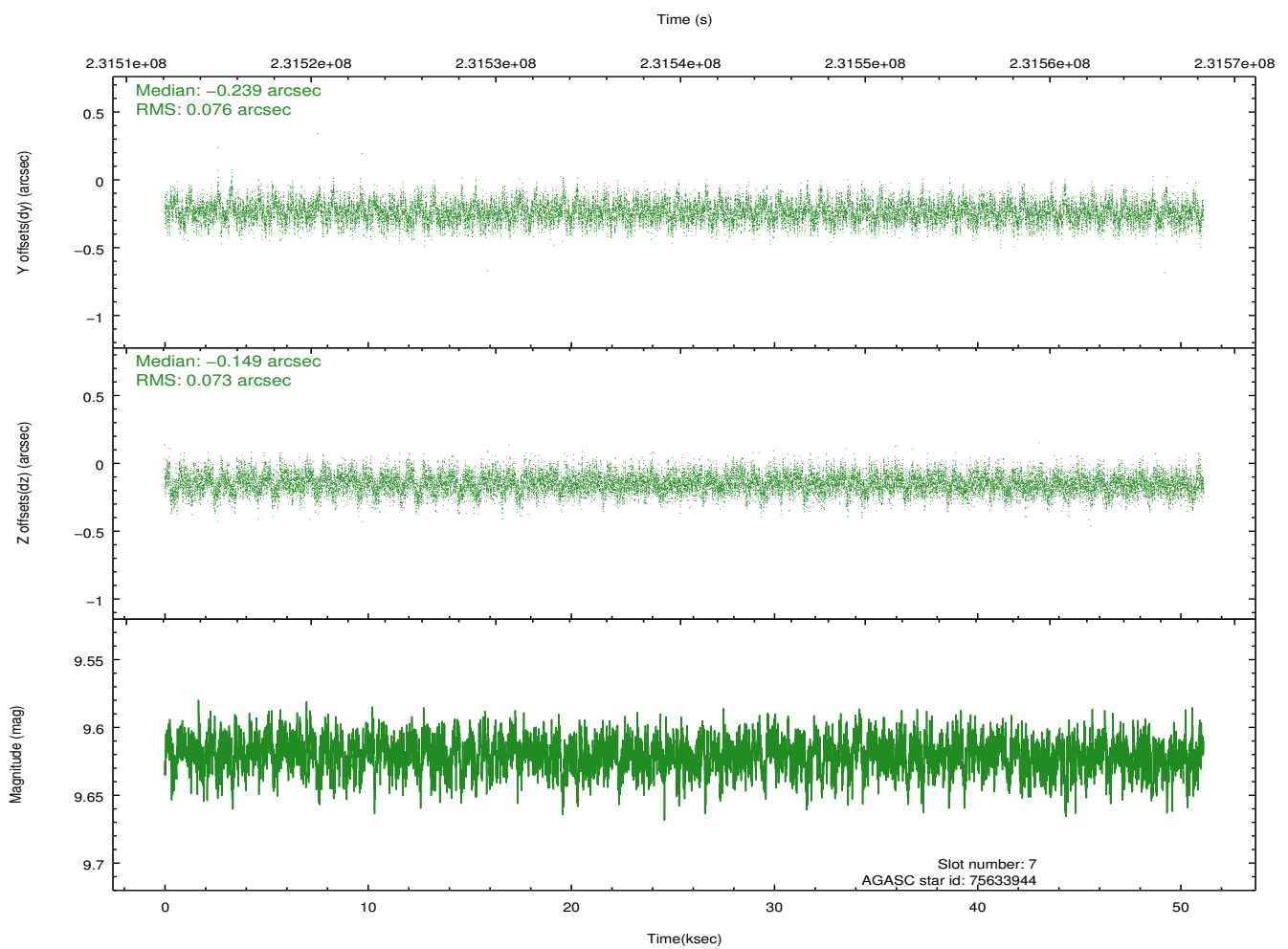
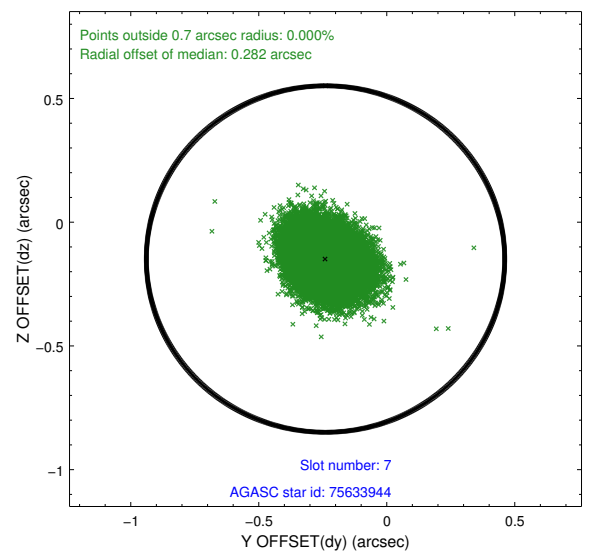
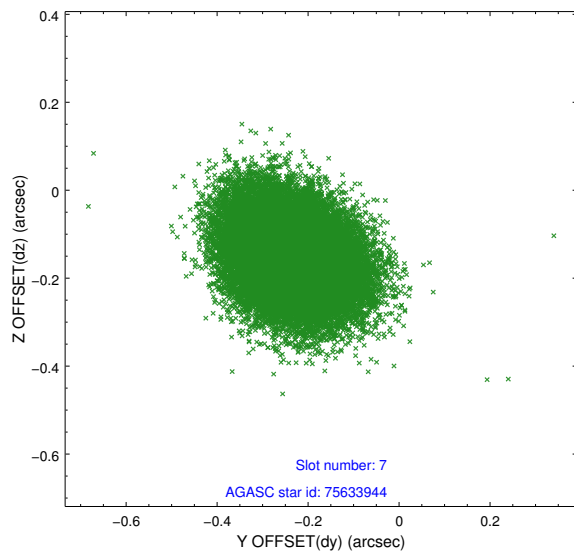
2.4.3 Slot 5



2.4.4 Slot 6

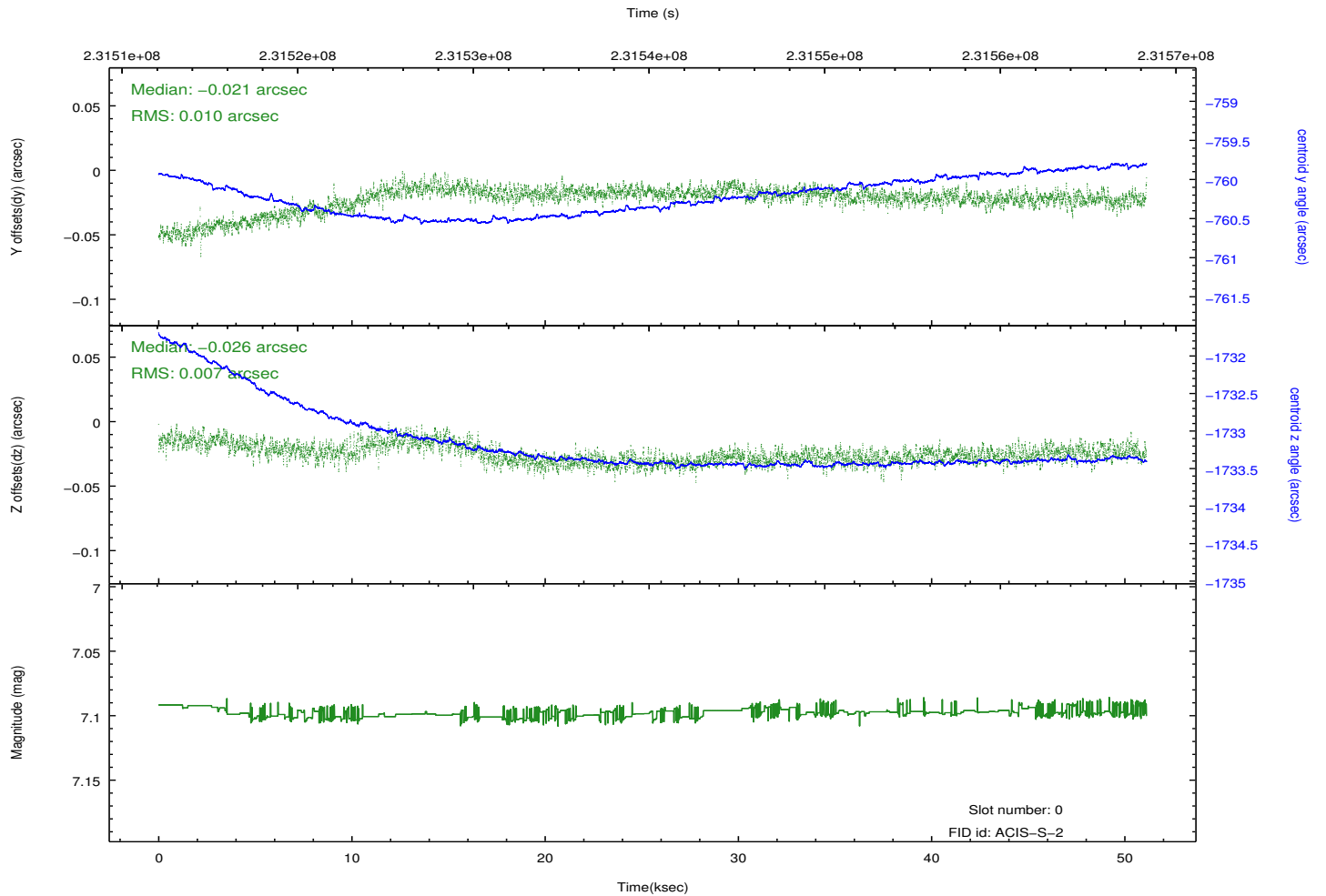
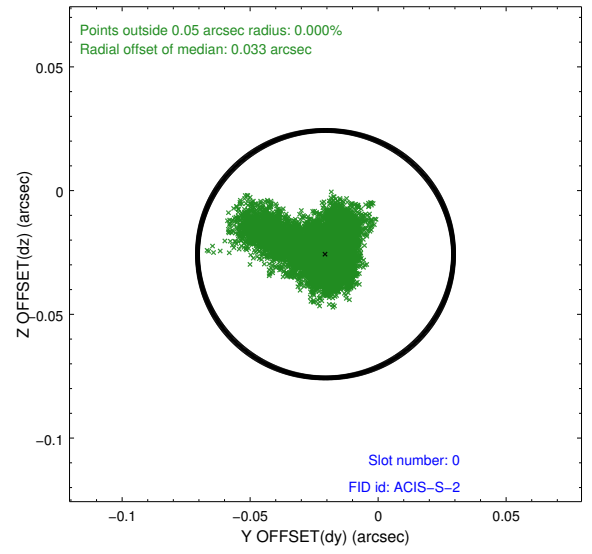
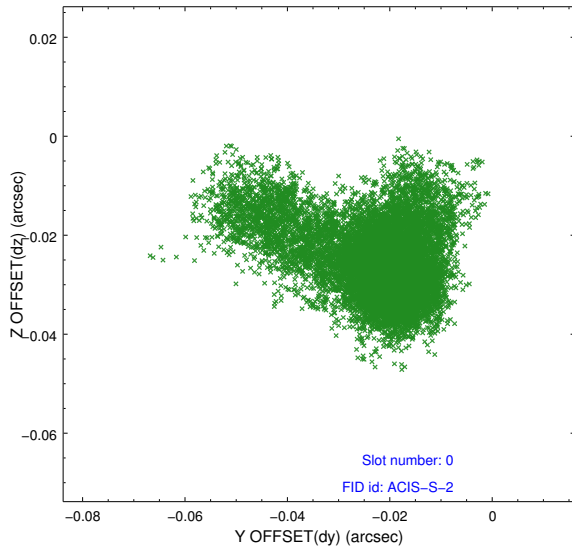


2.4.5 Slot 7

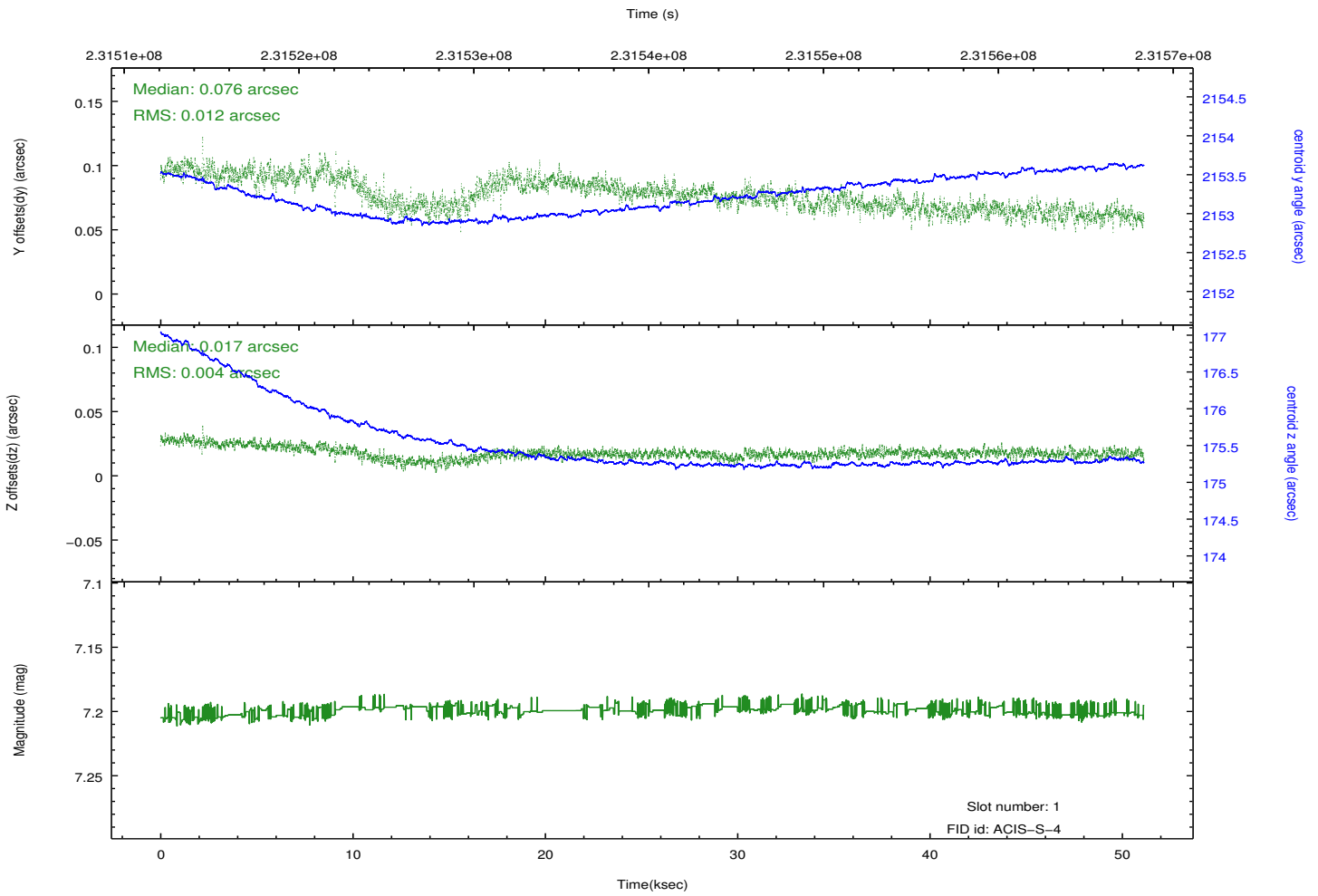
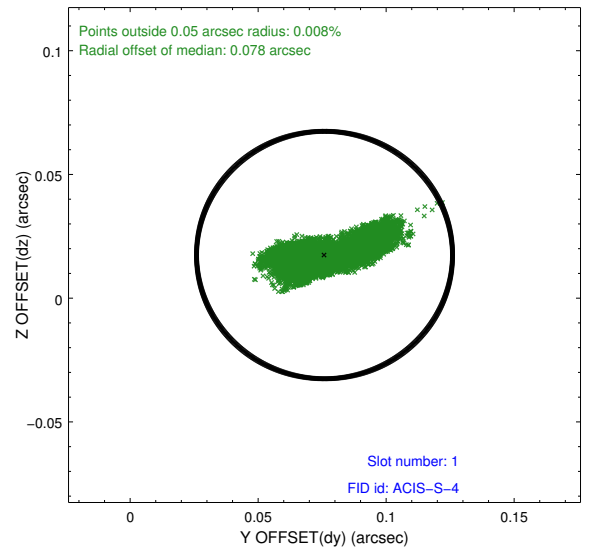
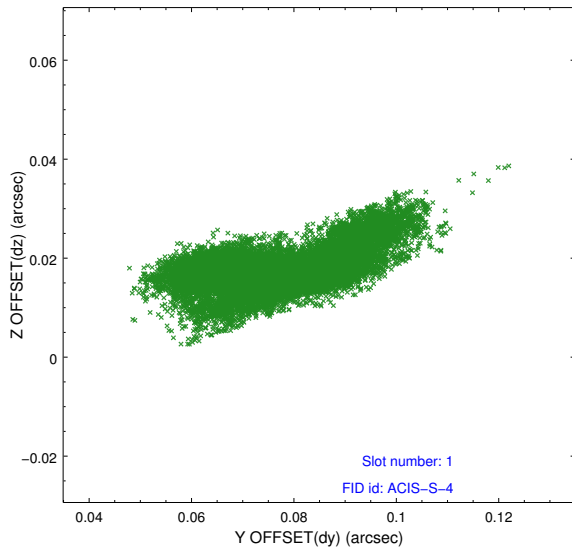


2.5 FID Slots

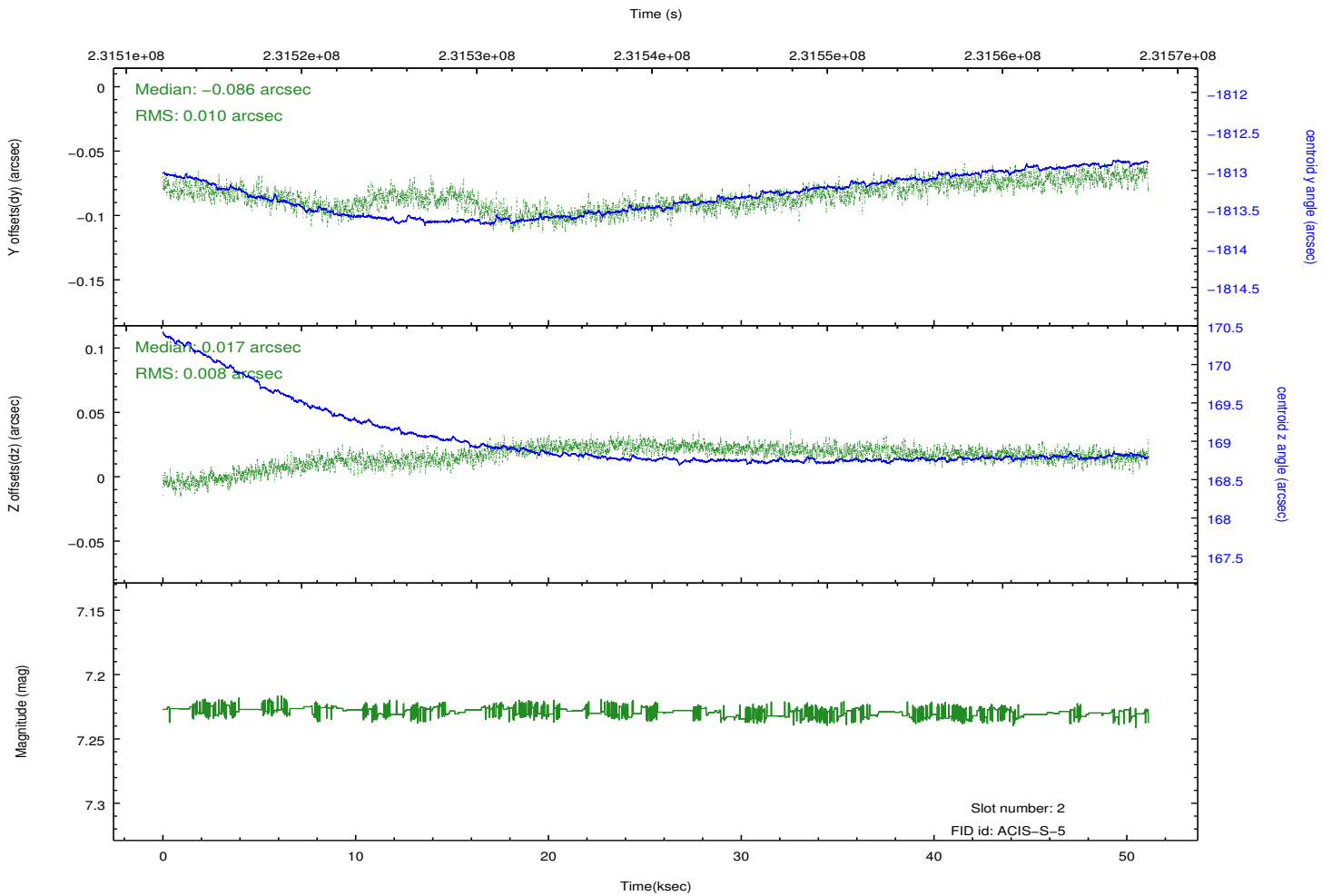
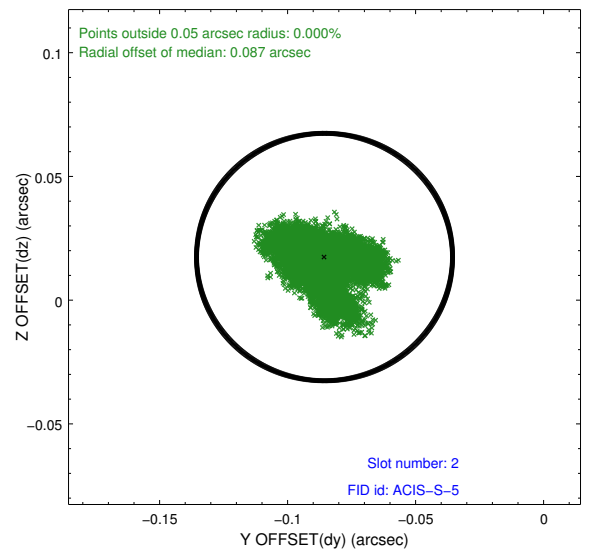
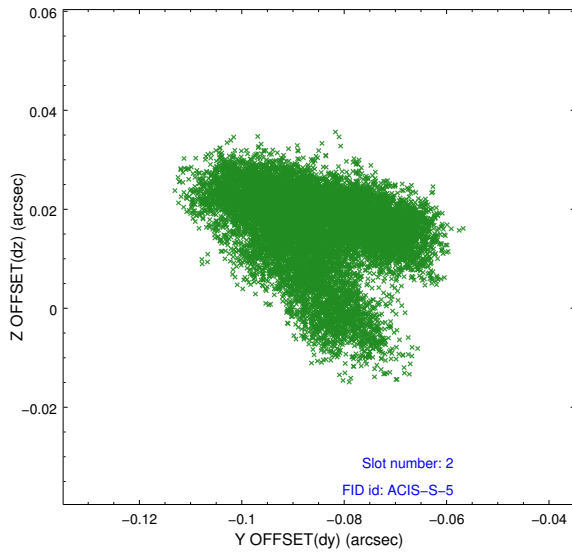
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.12209

A.2 Comments