

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5921 - L2 Version 3
Chandra X-Ray Center

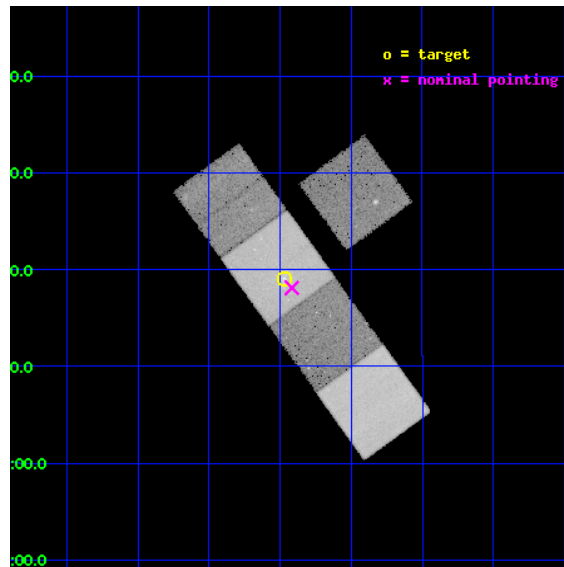
L2 Processing Date : Dec 22 2012

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1 Front

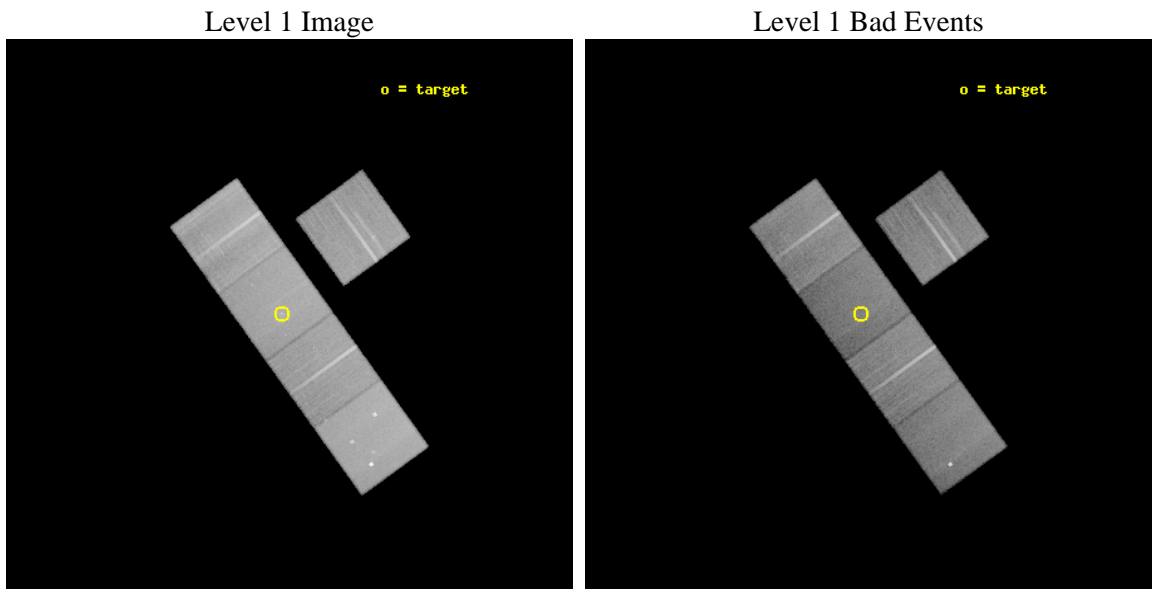
seq_num	600440	Sequence number
obs_id	5921	Observation id
title	Low Mass X-ray Binaries and Globular Clusters in the Early-Type Galaxy NGC 4365	Proposal title
observer	Prof. Gregory Sivakoff	Principal investigator
object	NGC4365	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.117917	Observer's specified target RA [deg]
dec_targ	7.317722	Observer's specified target Dec [deg]
ra_nom	186.10428132116	Nominal RA [deg]
dec_nom	7.3019641937644	Nominal Dec [deg]
roll_nom	234.12844450778	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40033.399922997	Sum of GTIs [s]
livetime	39510.334080843	Livetime [s]
ontime3	40027.117942512	Sum of GTIs [s]
ontime5	40033.399922997	Sum of GTIs [s]
ontime6	40030.25893271	Sum of GTIs [s]
ontime7	40033.399922997	Sum of GTIs [s]
ontime8	40030.258932739	Sum of GTIs [s]
l2events	370709	Number of level 2 events



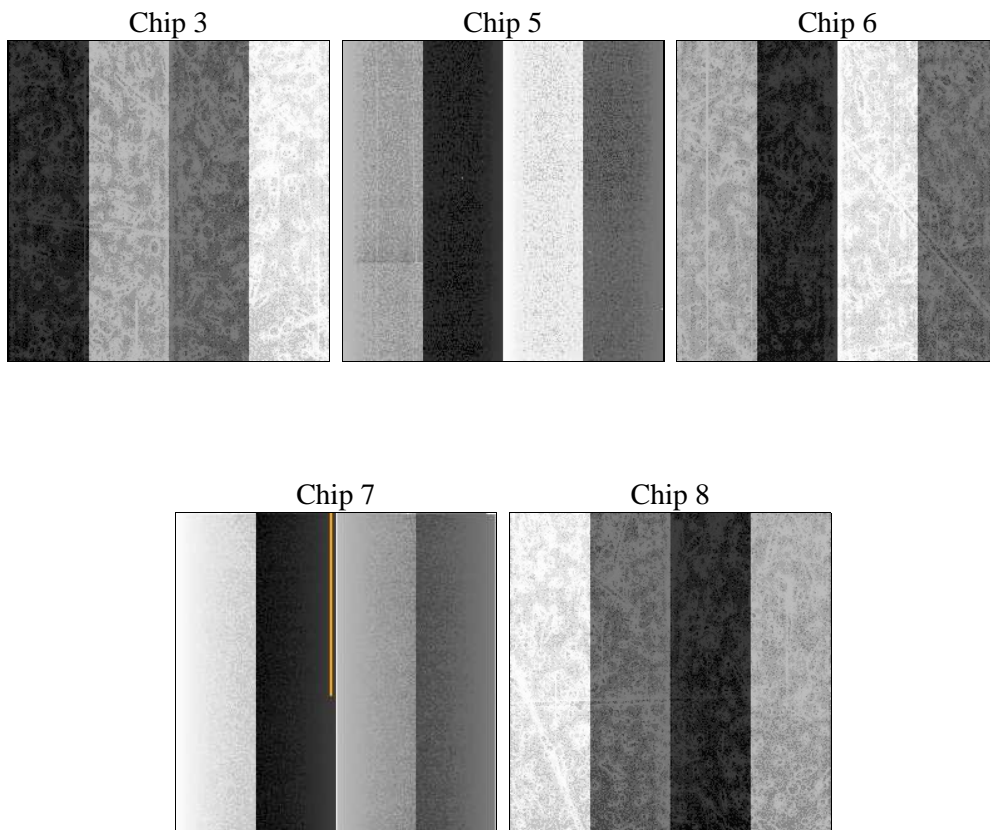
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	40033.399922997	Sum of GTIs [s]
caldbver	4.5.5	 	ontime3	40027.117942512	Sum of GTIs [s]
date	2012-12-22T17:42:17	Date and time of file creation	ontime5	40033.399922997	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	40030.25893271	Sum of GTIs [s]
			ontime7	40033.399922997	Sum of GTIs [s]
			ontime8	40030.258932739	Sum of GTIs [s]
			l1events	1499642	Number of level 1 events

2.1.4 Events

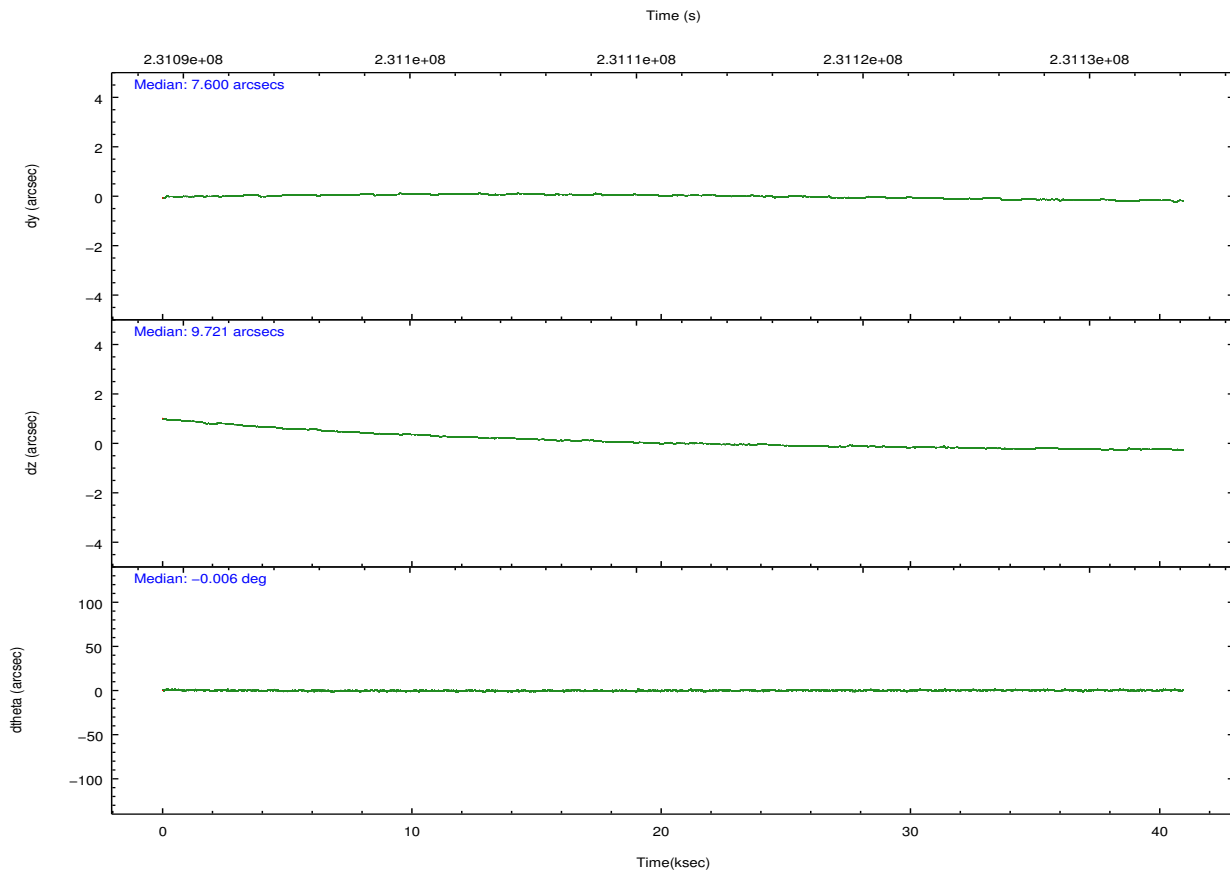
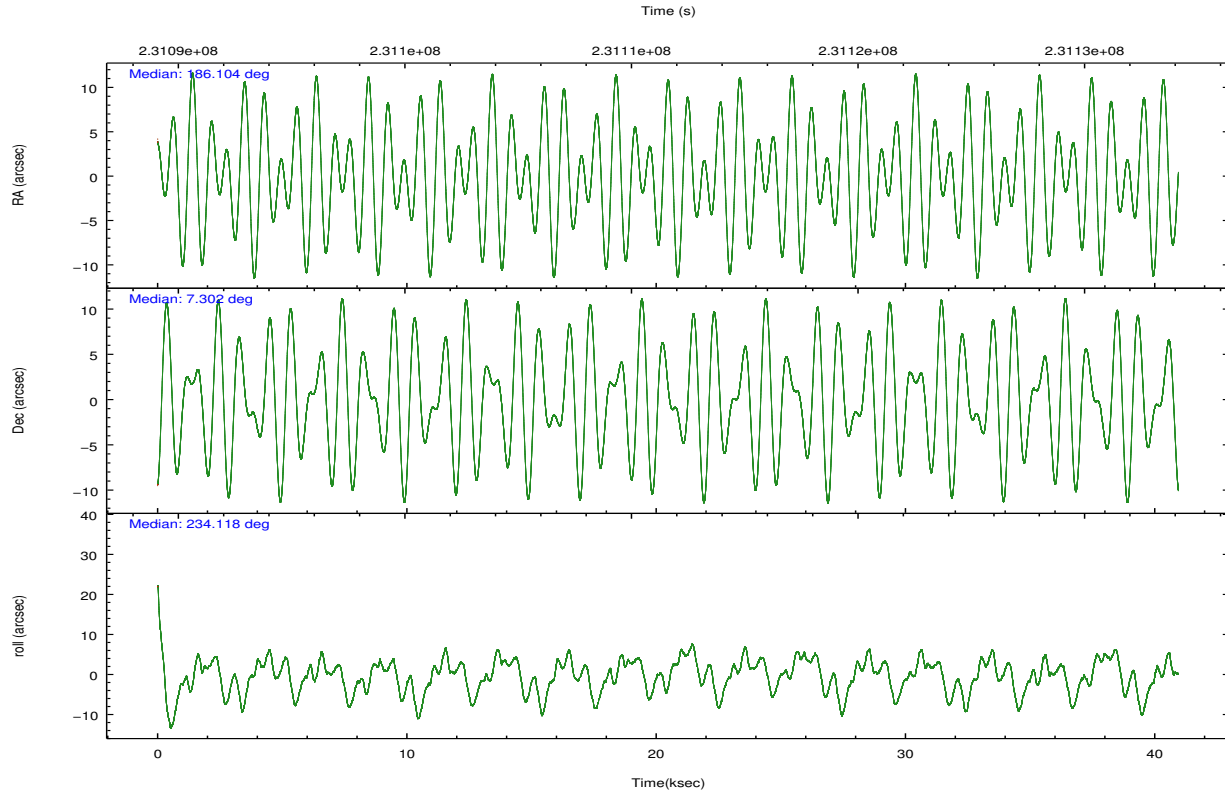
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	255084	359816	259729	295906	329107
rejected events	230641	182324	232040	158295	252888
rejected %	90%	50%	89%	53%	76%

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9168	18262	10328	14243	23572
	3%	5%	3%	4%	7%
grade 1 events	136	355	117	247	250
	0%	0%	0%	0%	0%
grade 2 events	5072	53558	5707	27874	17259
	1%	14%	2%	9%	5%
grade 3 events	2762	8071	3031	13310	7849
	1%	2%	1%	4%	2%
grade 4 events	2701	7654	2859	13170	7388
	1%	2%	1%	4%	2%
grade 5 events	9991	29482	10337	30918	14812
	3%	8%	3%	10%	4%
grade 6 events	4741	89957	5767	69020	20153
	1%	25%	2%	23%	6%
grade 7 events	220513	152477	221583	127124	237824
	86%	42%	85%	42%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	186.106726	186.1042813211617	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.329091	7.301964193764366	Alternating exposures requested	N	N
[deg] Pointing Roll	233.971511	234.128444507785	[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)	231092090.184000	231090778.23491			
Observation start date	2005-04-28T16:13:46	2005-04-28T15:52:58			
[s] Observation end time (MET)	231132090.184000	231133318.29935			
Observation end date	2005-04-29T03:20:26	2005-04-29T03:41:58			
Read mode	TIMED	TIMED			

2.3 Aspect



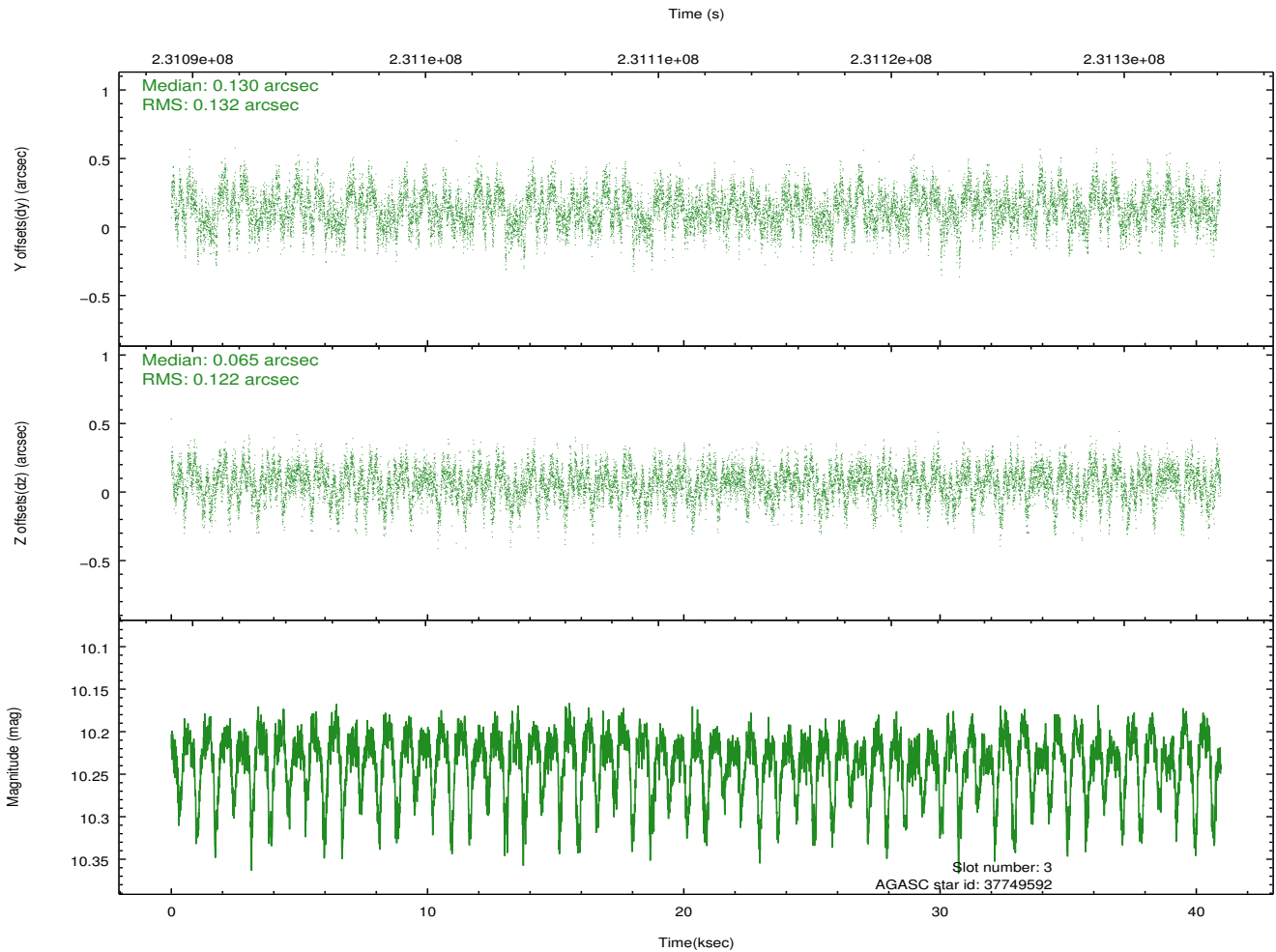
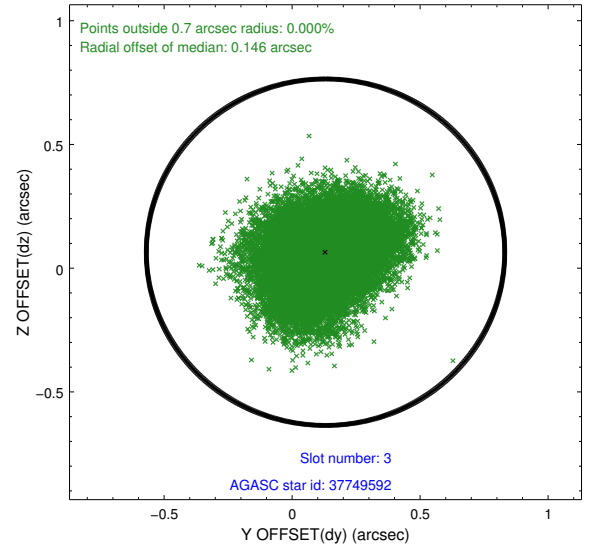
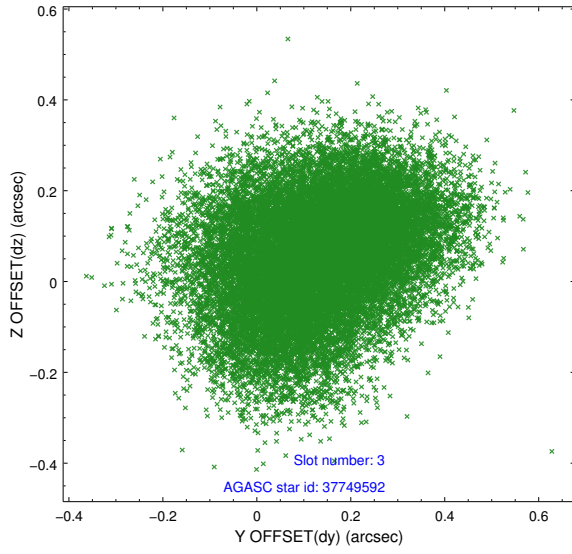
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	9988	0.039	-0.023	0.013	0.052	0.000000	0.000000	935.74	-1726.73
1	FID	ACIS-S-5	7.24	9988	-0.076	0.029	0.009	0.015	0.000000	0.000000	-1813.38	170.85
2	FID	ACIS-S-6	7.35	9988	0.016	0.006	0.016	0.054	0.000000	0.000000	401.24	814.82
3	GUIDE	37749592	10.23	19889	0.130	0.065	0.194	0.307	186.177253	6.631115	1884.25	1681.63
4	GUIDE	37751880	9.66	19947	0.087	-0.024	0.162	0.251	185.771871	6.844190	2115.83	59.33
5	GUIDE	37753024	8.01	19967	-0.091	-0.082	0.095	0.153	186.830113	7.241612	-1266.72	2273.07
6	GUIDE	114434008	8.76	19972	-0.072	0.038	0.101	0.156	185.534773	7.569663	499.69	-2160.39
7	GUIDE	114565080	10.16	19953	-0.029	0.012	0.249	0.369	186.537681	7.759404	-2157.50	331.43

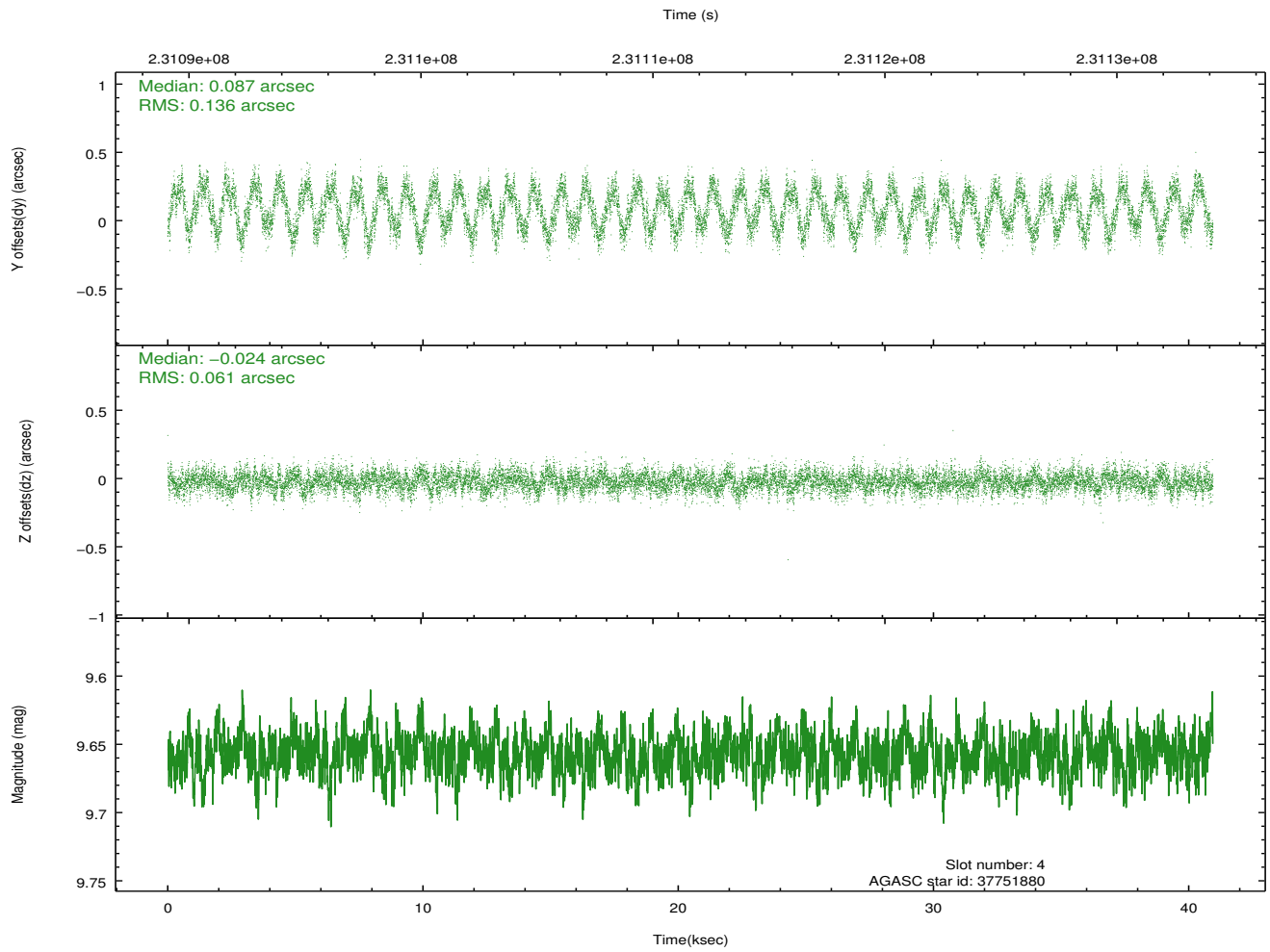
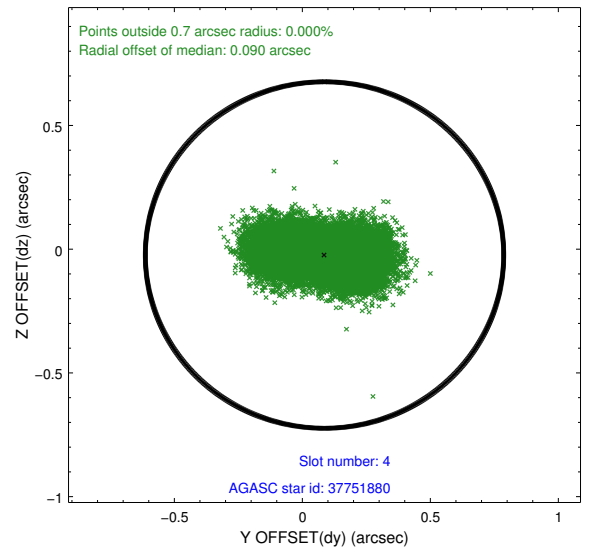
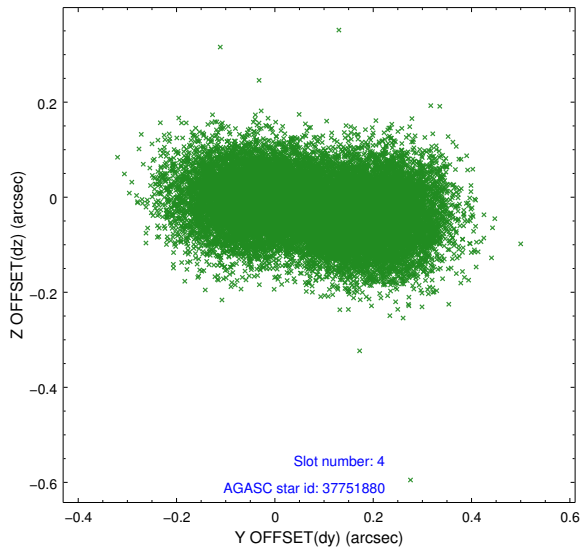
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2.4 Star Slots

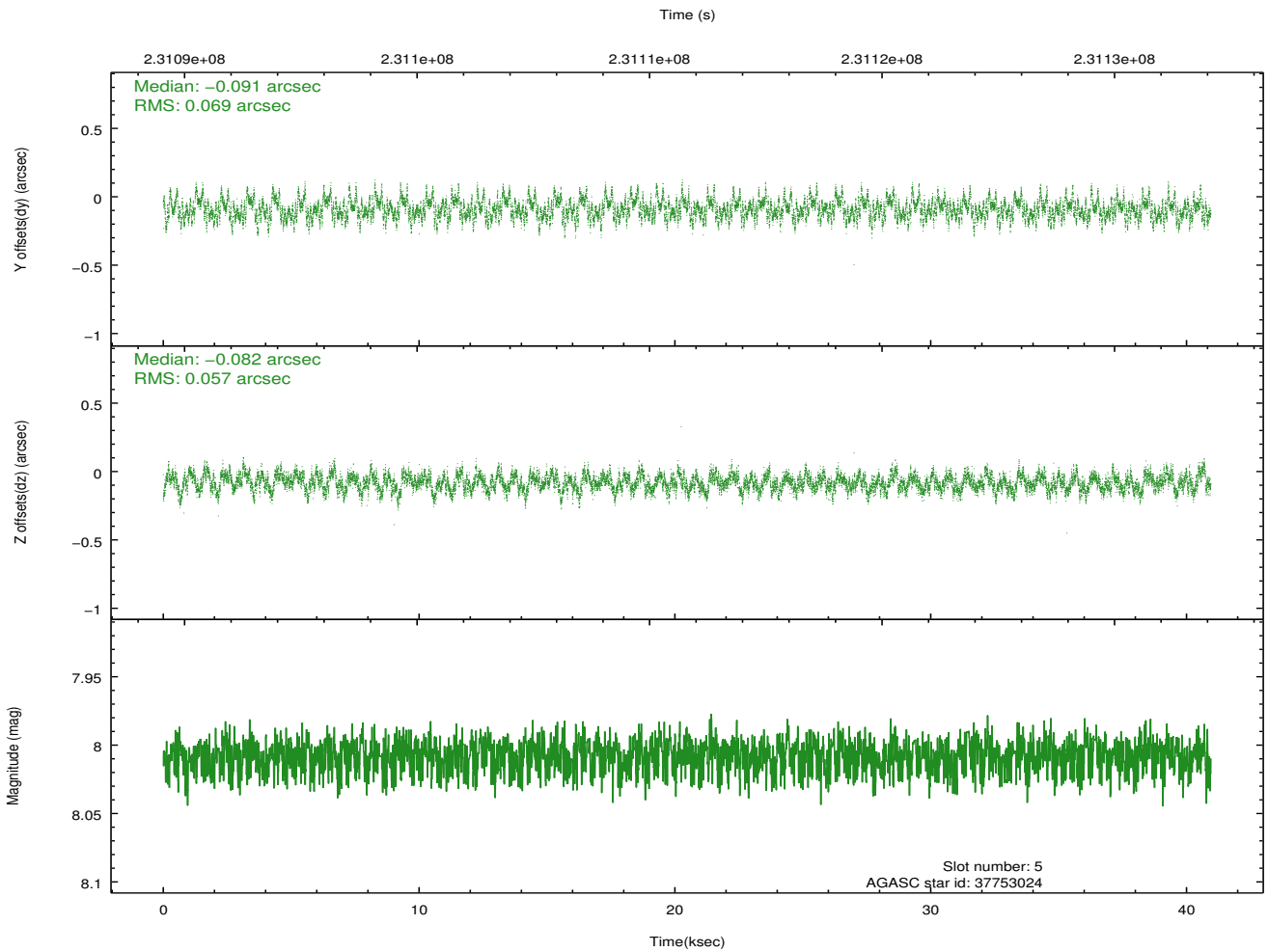
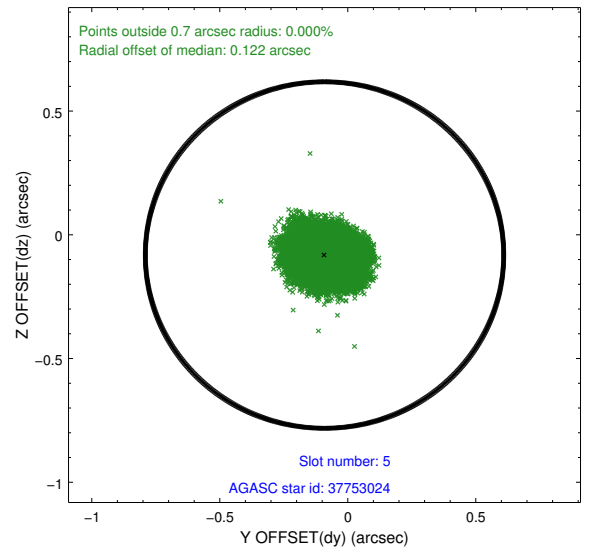
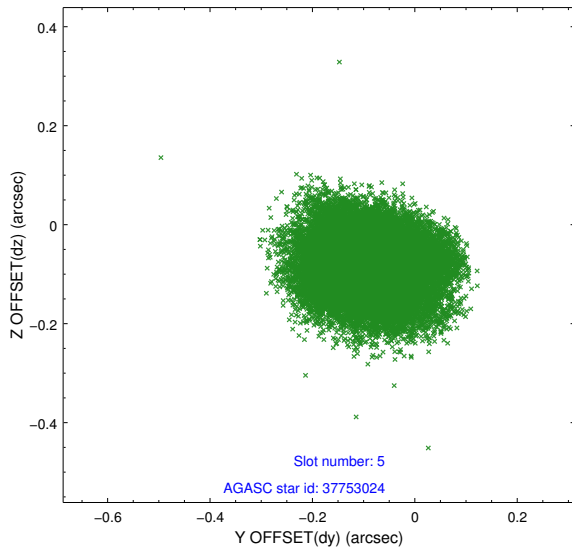
2.4.1 Slot 3



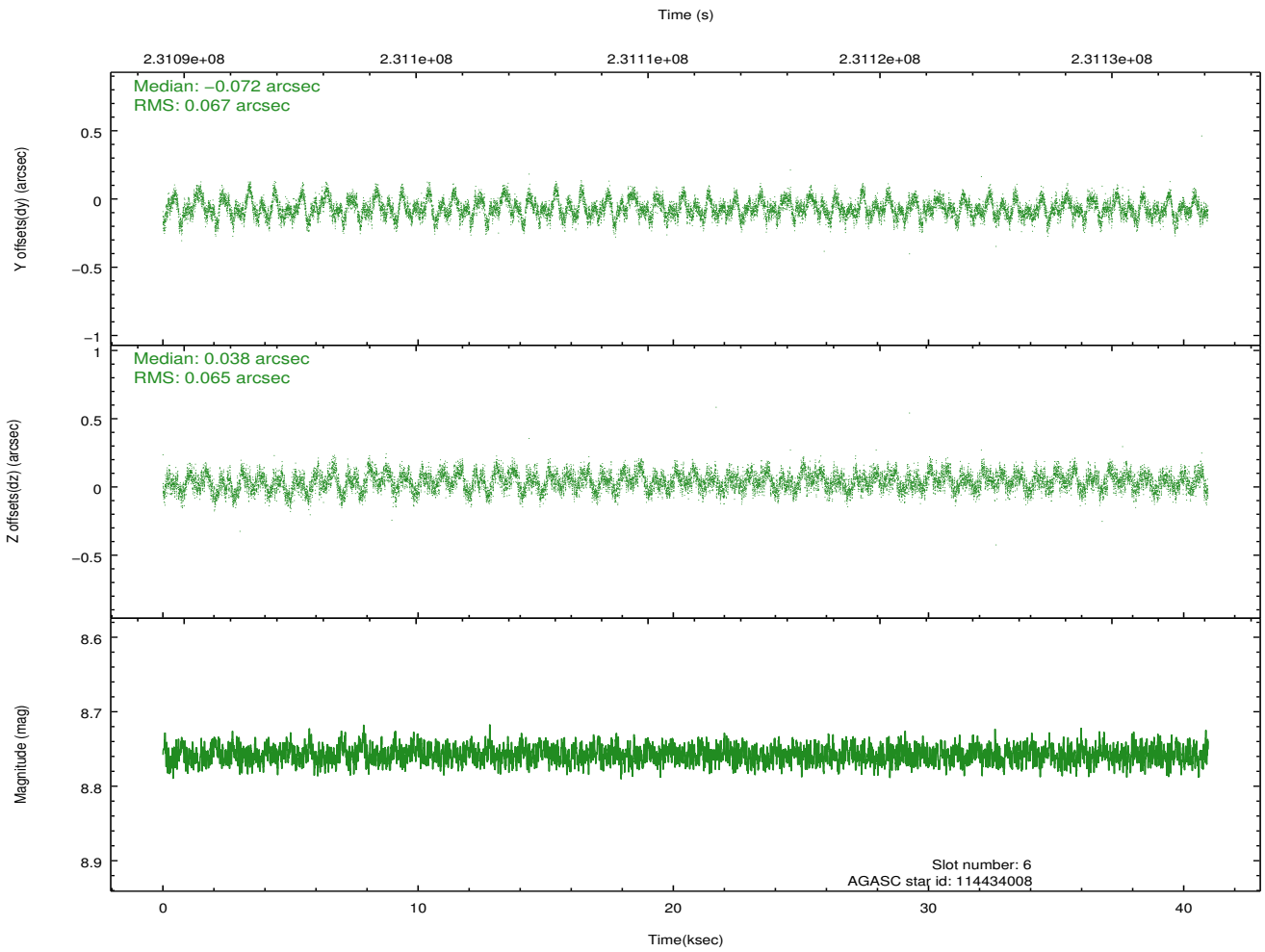
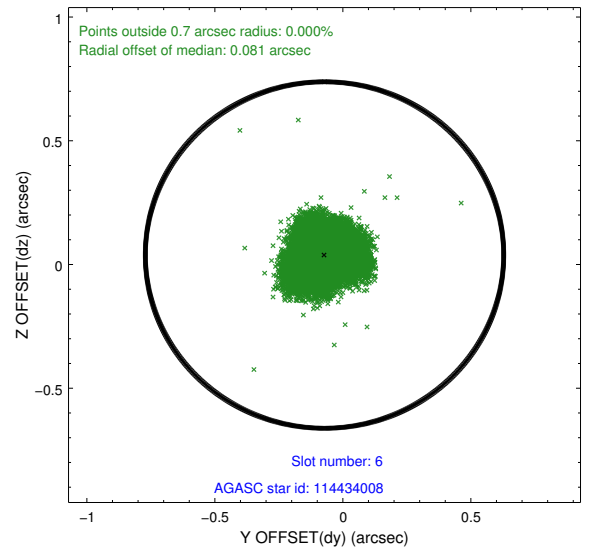
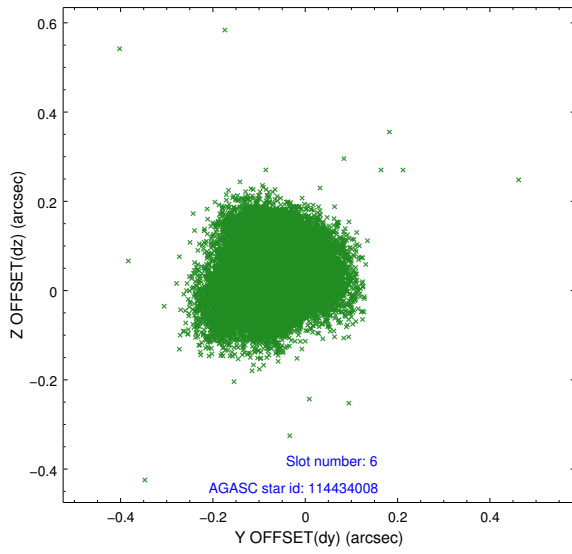
2.4.2 Slot 4



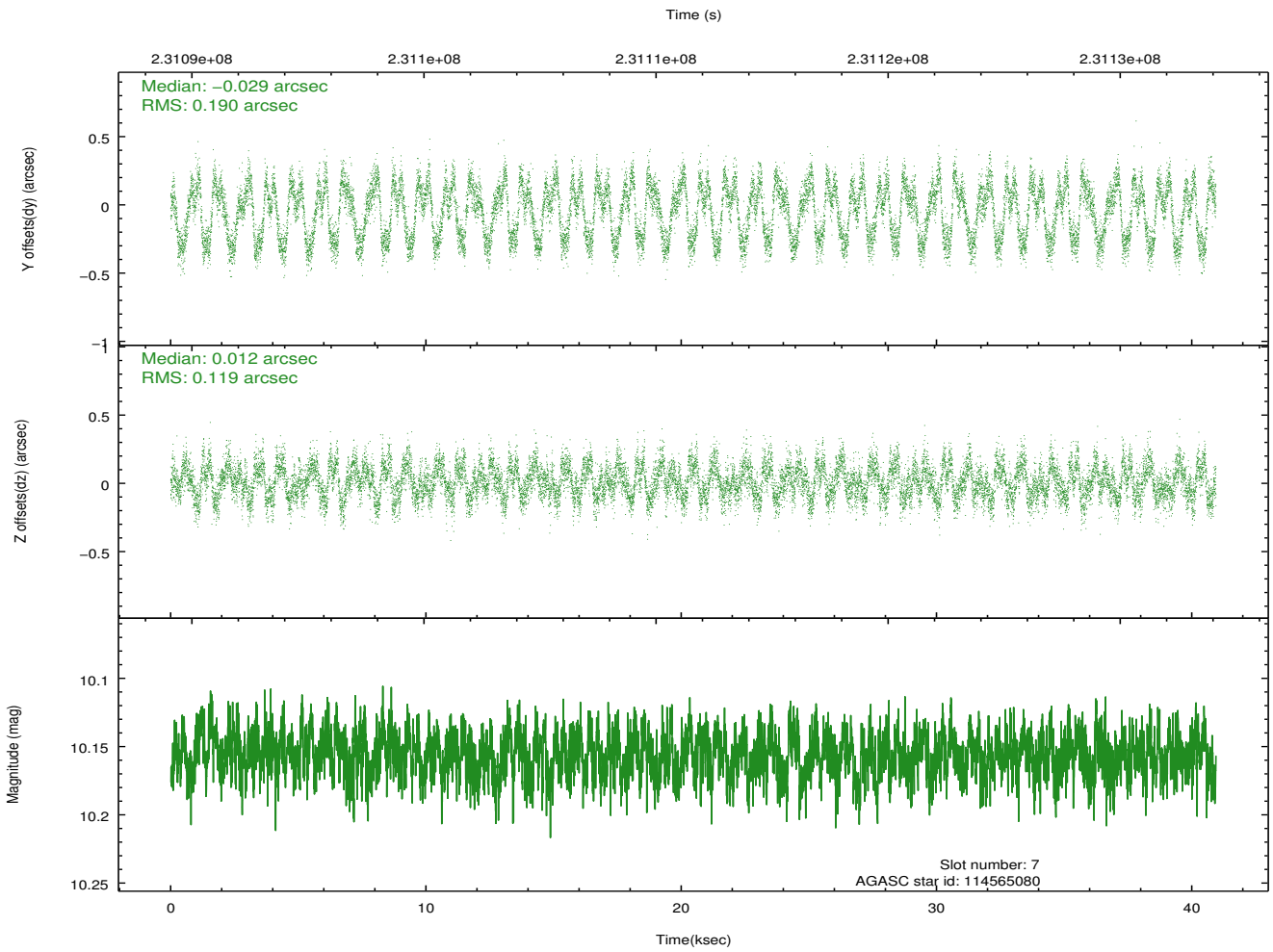
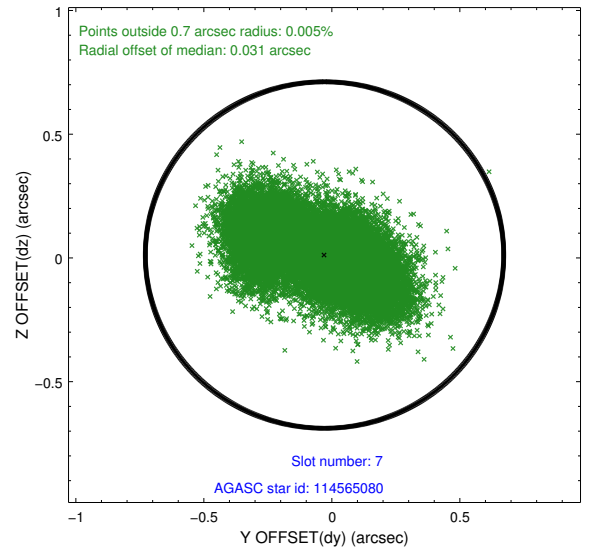
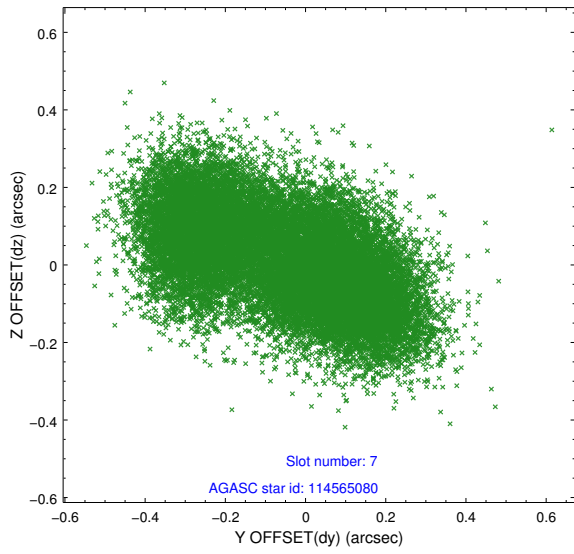
2.4.3 Slot 5



2.4.4 Slot 6

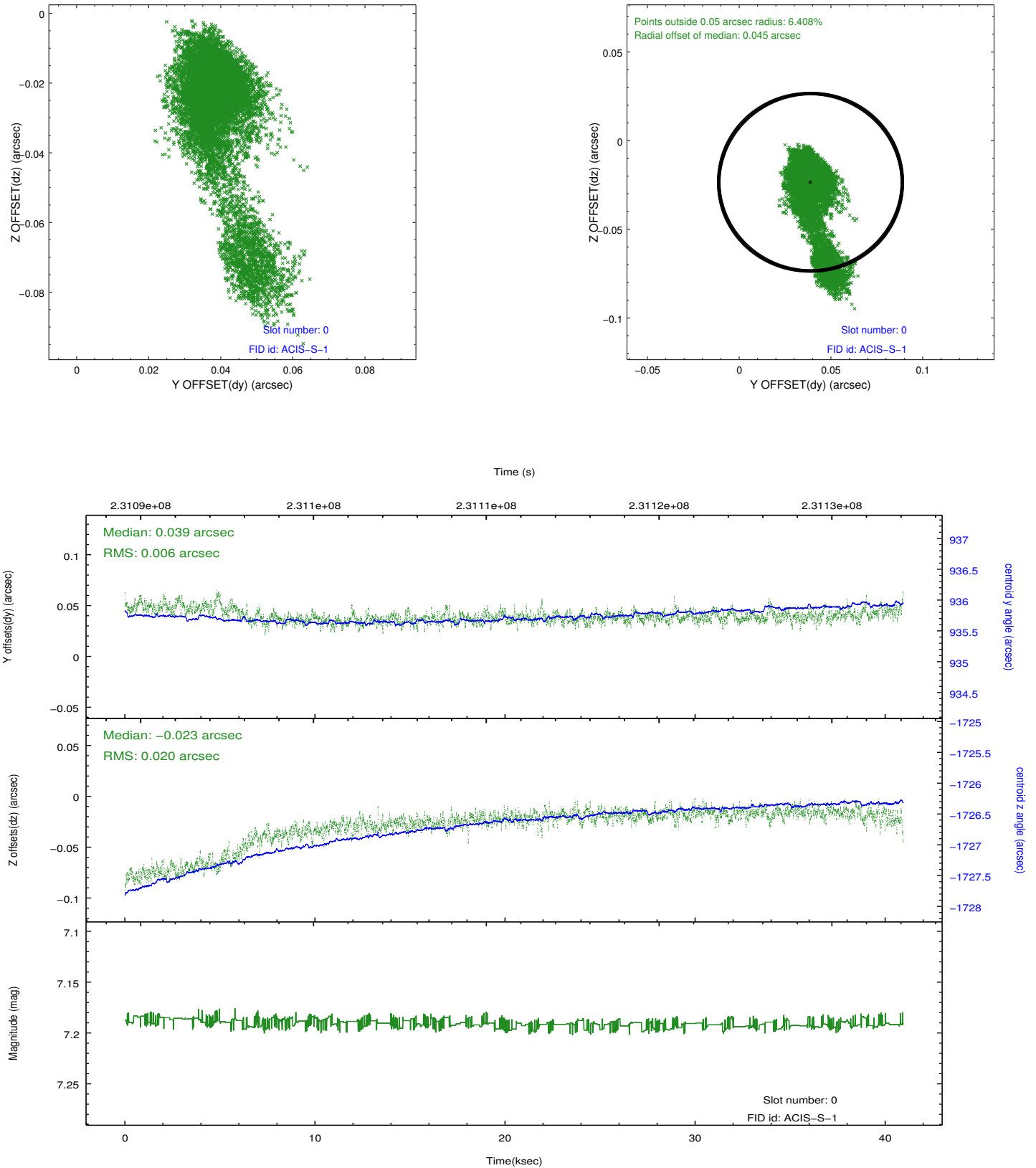


2.4.5 Slot 7

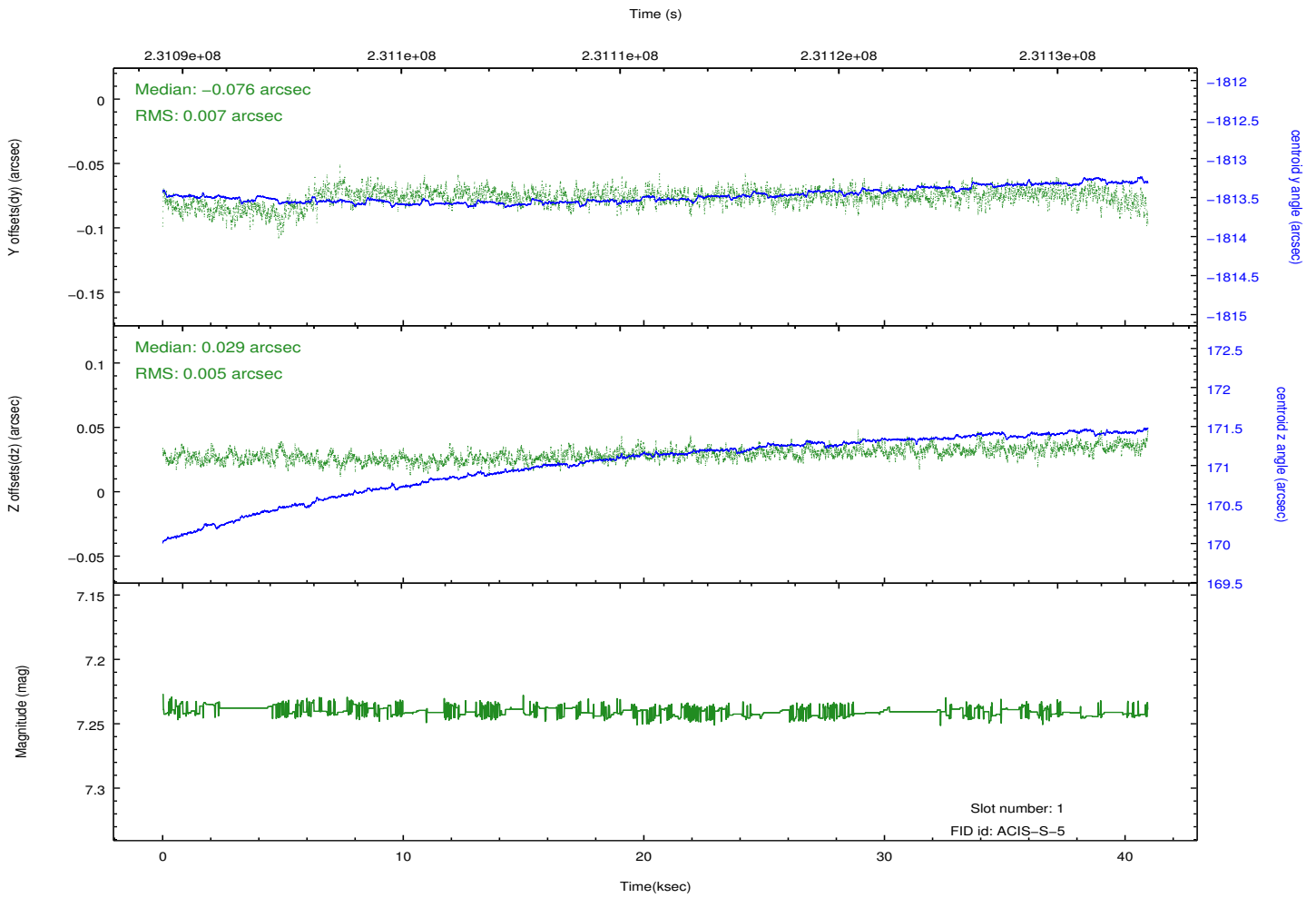
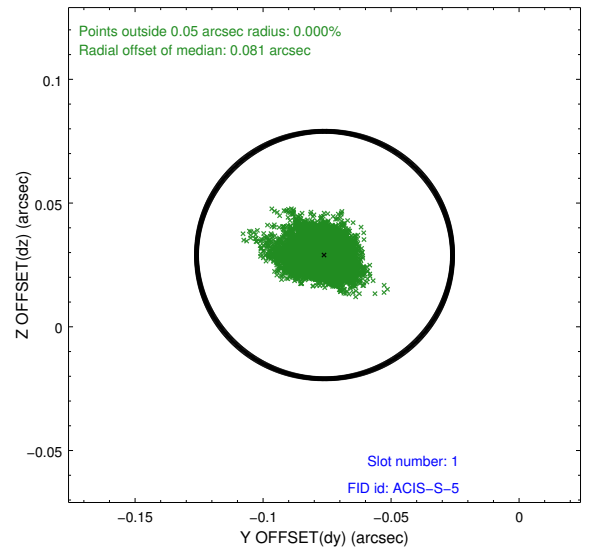
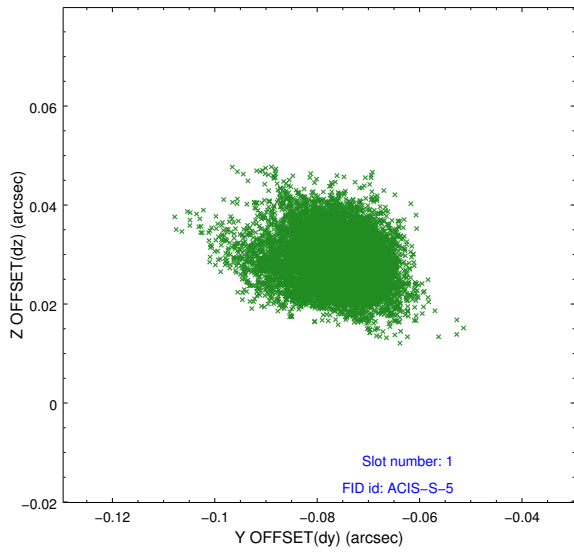


2.5 FID Slots

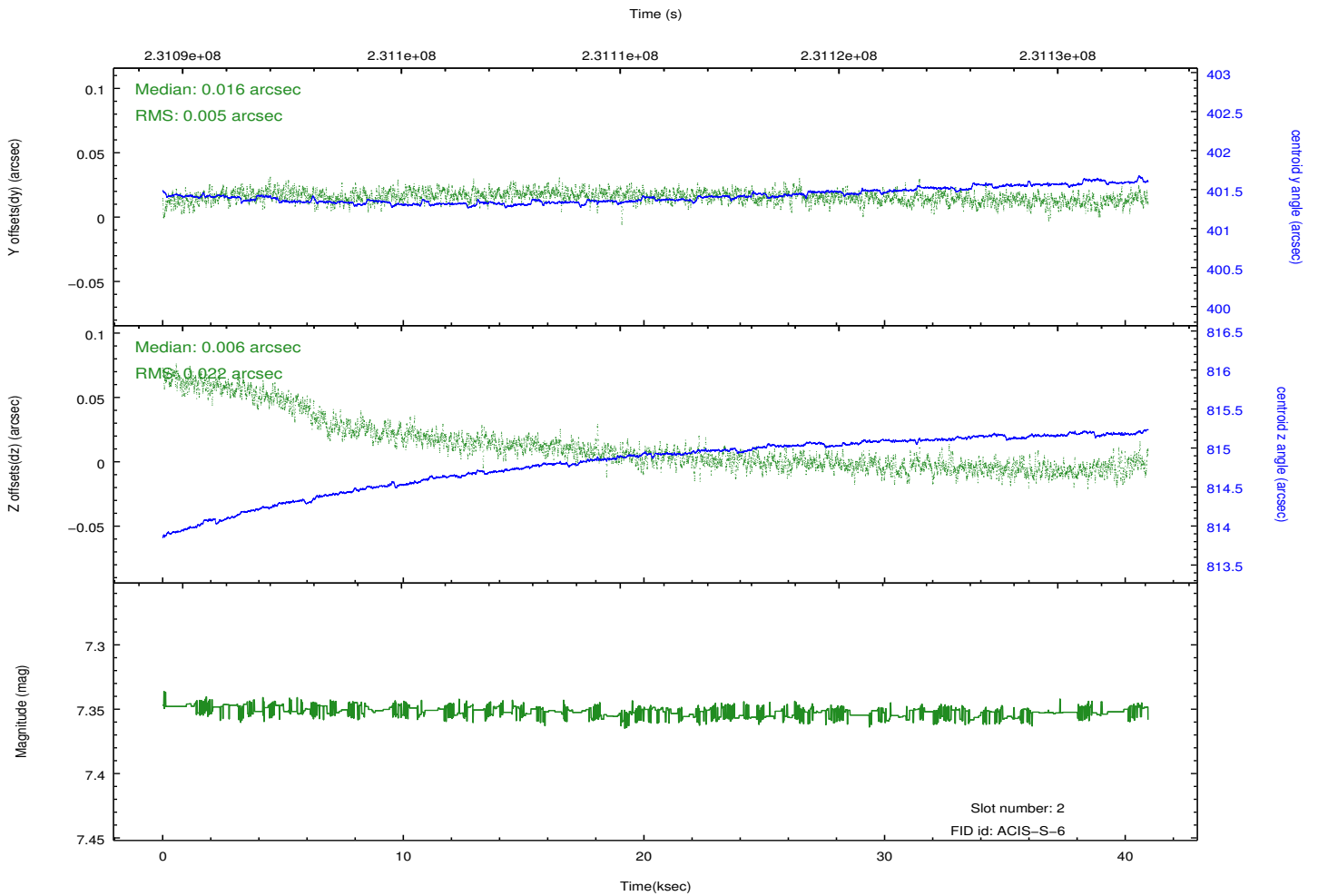
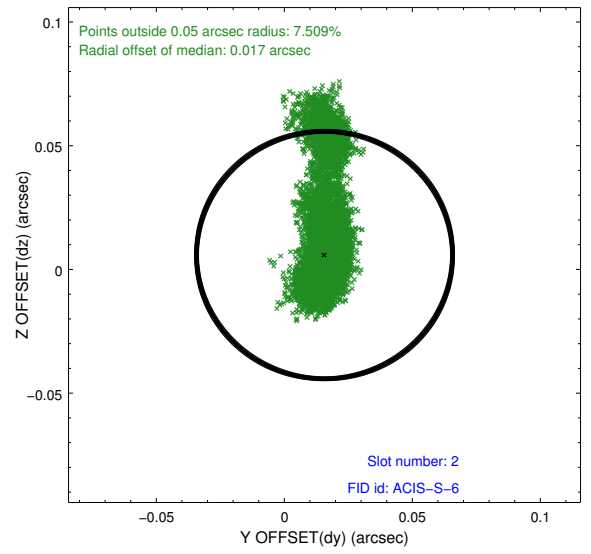
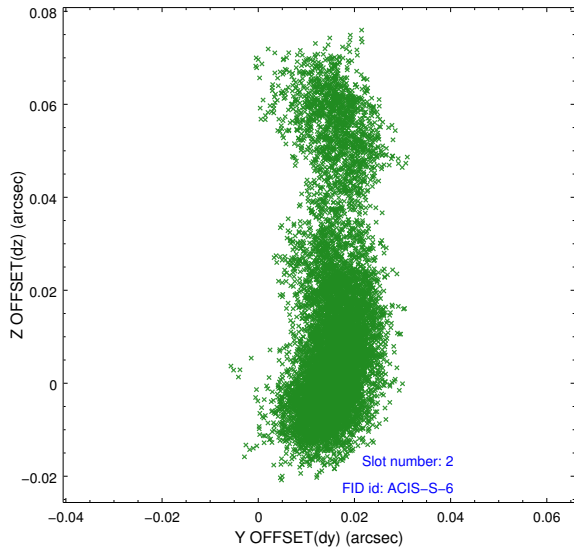
2.5.1 Slot 0



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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.03339

A.2 Comments