

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13776 - L2 Version 1
Chandra X-Ray Center

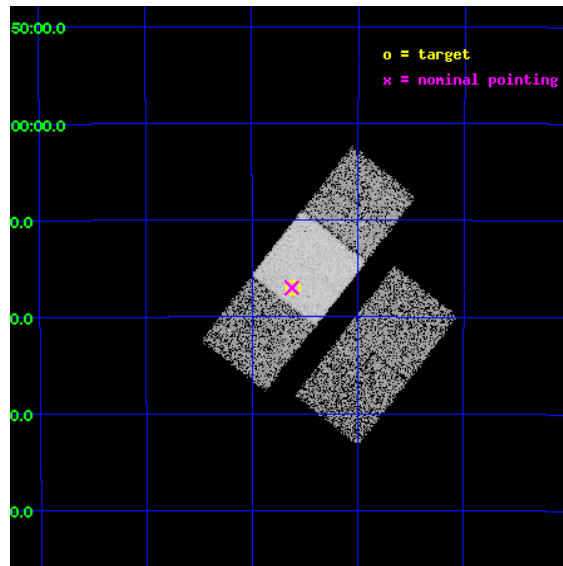
L2 Processing Date : Jun 24 2012

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1 Front

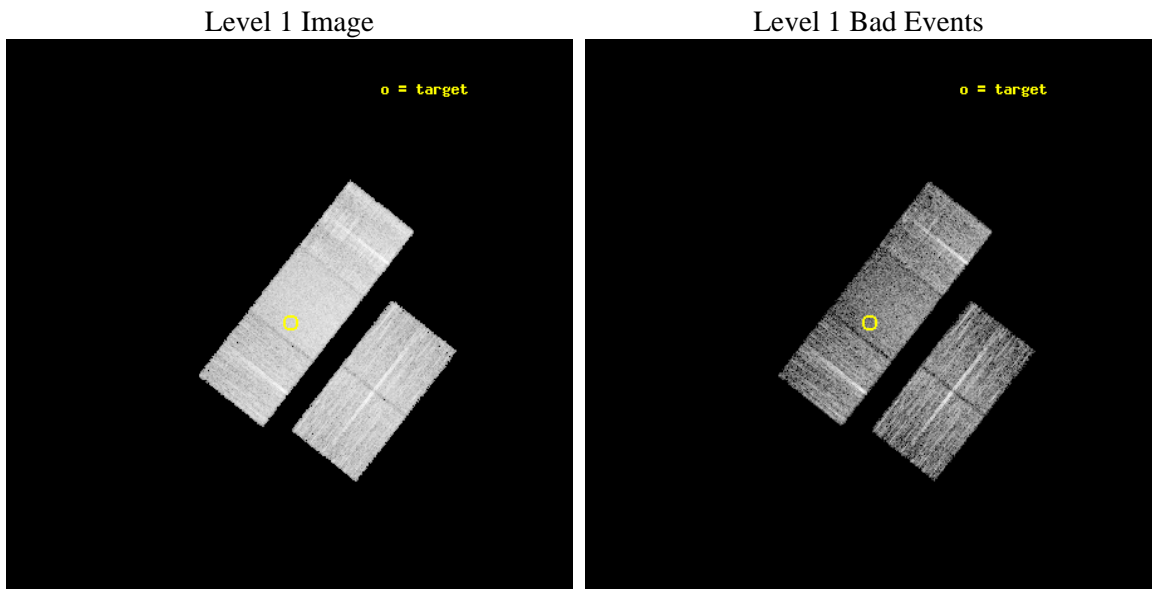
seq_num	501608	Sequence number
obs_id	13776	Observation id
title	Hunting for Anti-magnetars with Chandra	Proposal title
observer	Dr Chi-Yung Ng	Principal investigator
object	PSR J1702-4217	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.651667	Observer's specified target RA [deg]
dec_targ	-42.283667	Observer's specified target Dec [deg]
ra_nom	255.65580914818	Nominal RA [deg]
dec_nom	-42.283385515254	Nominal Dec [deg]
roll_nom	308.15938648138	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8664.500066638	Sum of GTIs [s]
livetime	8551.2919945552	Livetime [s]
ontime2	8664.500066638	Sum of GTIs [s]
ontime3	8664.500066638	Sum of GTIs [s]
ontime6	8664.500066638	Sum of GTIs [s]
ontime7	8664.500066638	Sum of GTIs [s]
ontime8	8664.500066638	Sum of GTIs [s]
l2events	51649	Number of level 2 events



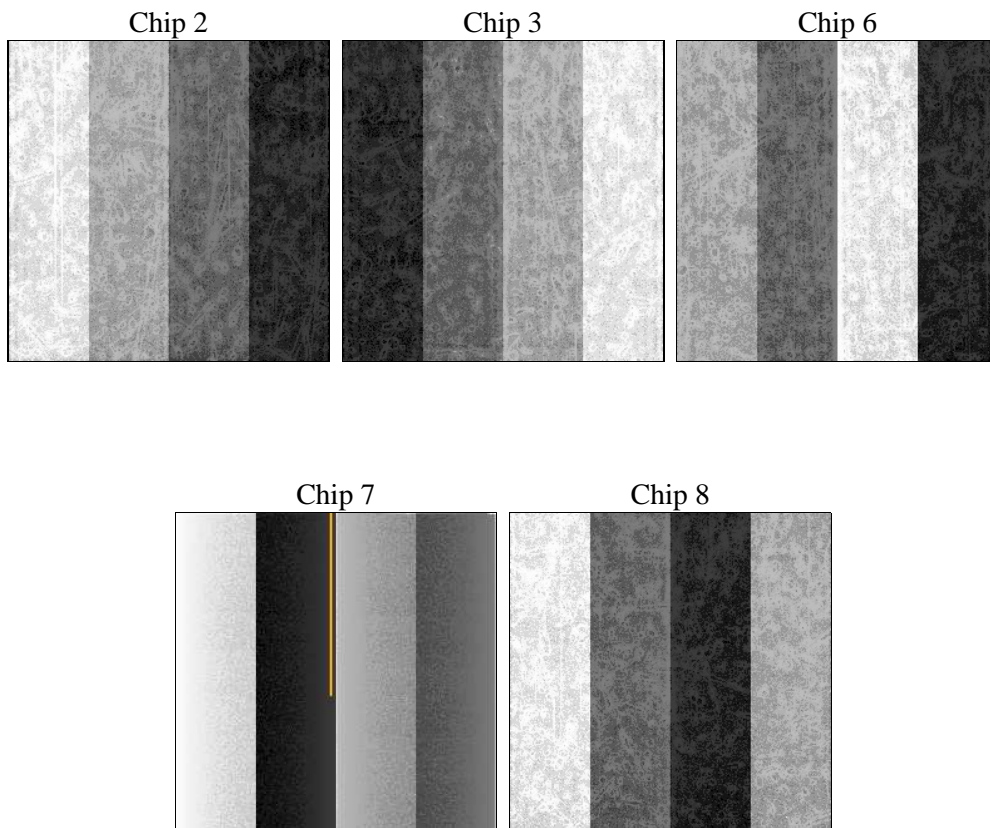
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8664.500066638	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	8664.500066638	Sum of GTIs [s]
date	2012-06-24T20:43:17	Date and time of file creation	ontime3	8664.500066638	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8664.500066638	Sum of GTIs [s]
			ontime7	8664.500066638	Sum of GTIs [s]
			ontime8	8664.500066638	Sum of GTIs [s]
			l1events	288924	Number of level 1 events

2.1.4 Events

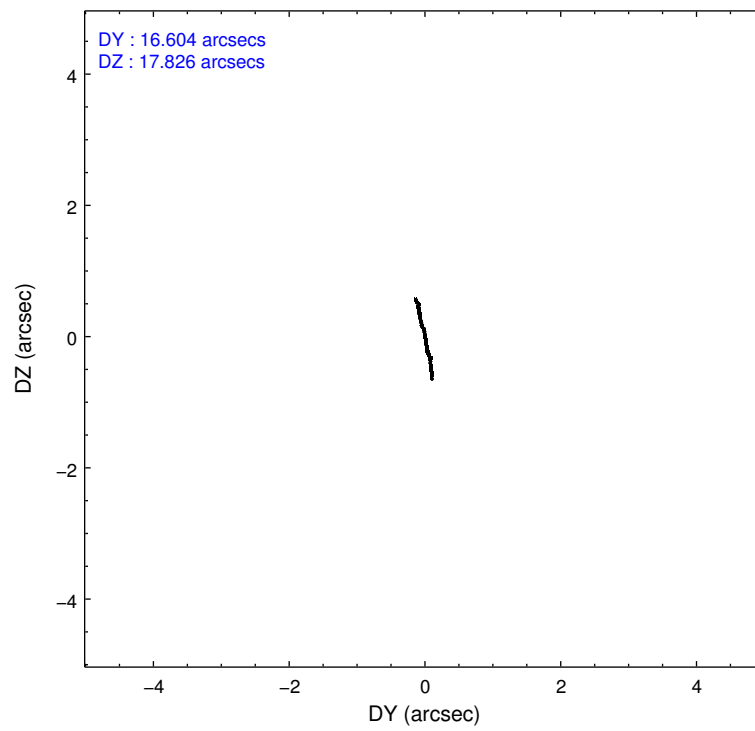
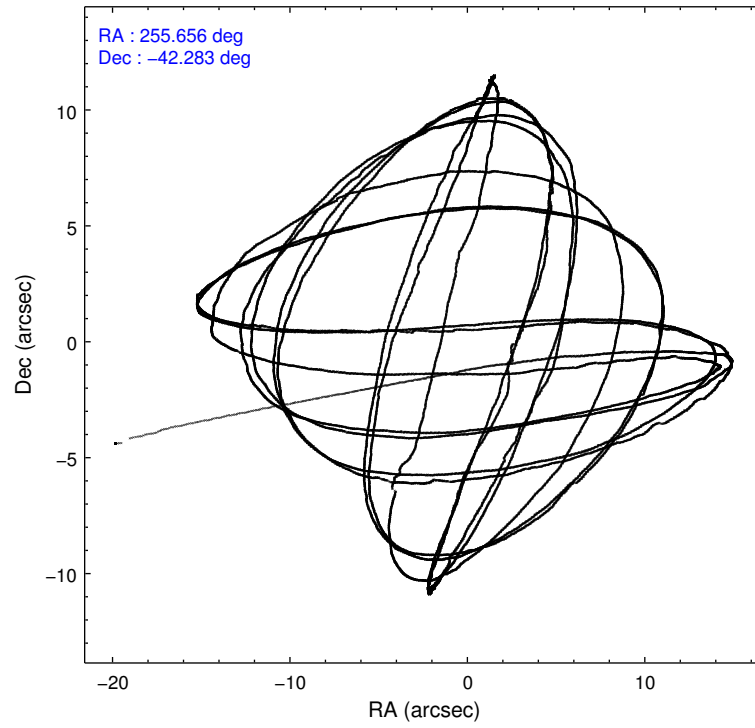
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	51370	49325	51521	67902	68806
rejected events	45608	43502	45174	37741	50146
rejected %	88%	88%	87%	55%	72%

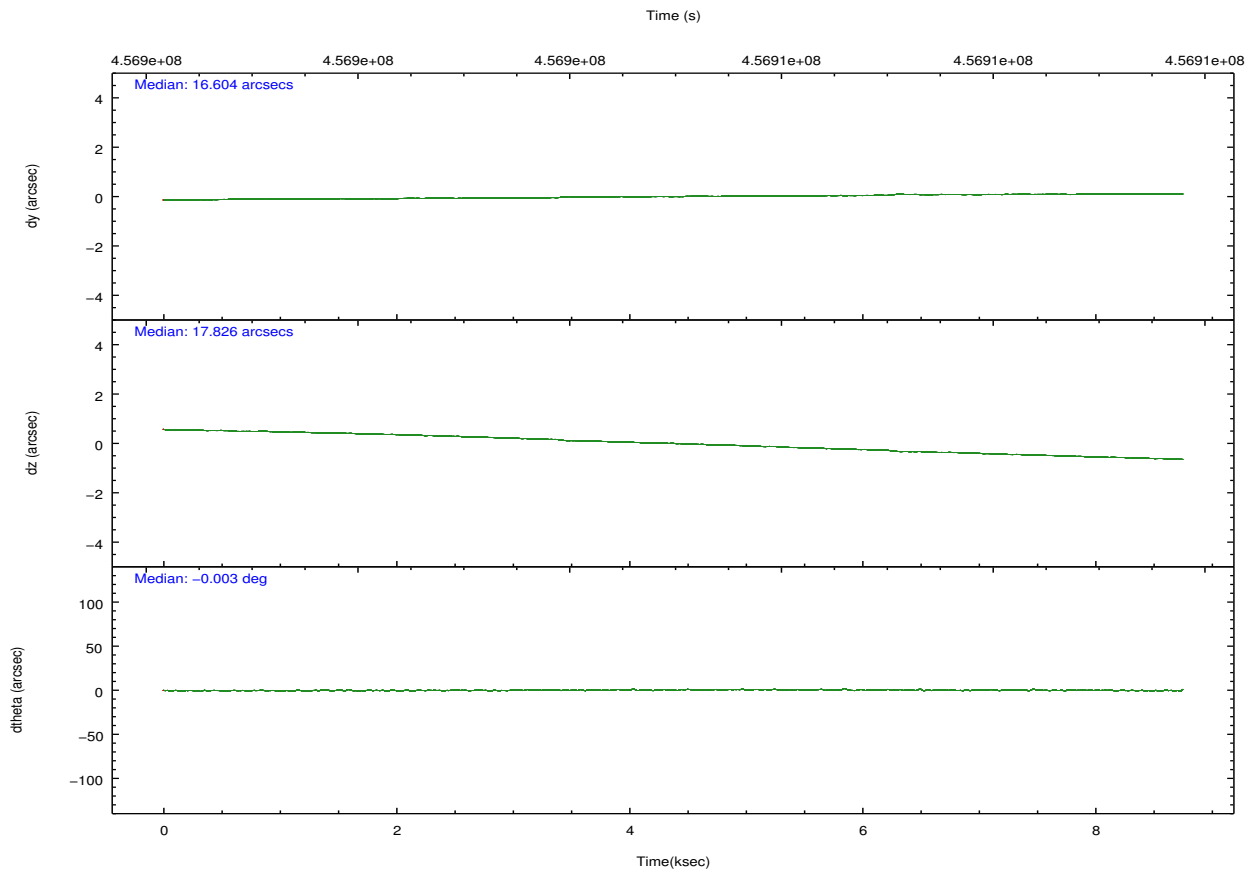
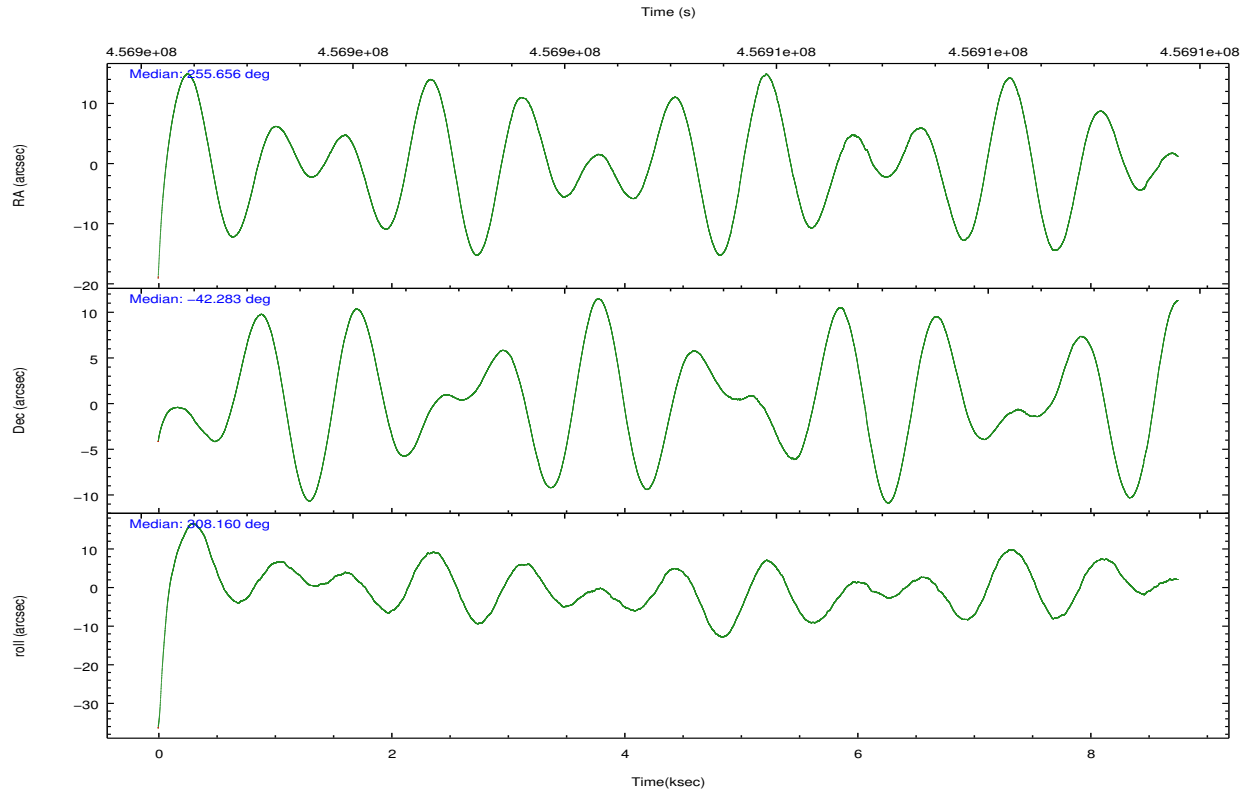
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2098	2156	2223	2736	5772
	4%	4%	4%	4%	8%
grade 1 events	28	31	29	88	58
	0%	0%	0%	0%	0%
grade 2 events	1364	1239	1488	6264	4229
	2%	2%	2%	9%	6%
grade 3 events	565	627	626	2713	1938
	1%	1%	1%	3%	2%
grade 4 events	585	642	620	2581	1844
	1%	1%	1%	3%	2%
grade 5 events	2198	2540	2610	7082	3783
	4%	5%	5%	10%	5%
grade 6 events	1152	1161	1395	15881	4902
	2%	2%	2%	23%	7%
grade 7 events	43380	40929	42530	30557	46280
	84%	82%	82%	45%	67%

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	255.621258	255.6558091481753	Subarray requested	NONE	NONE
[deg] Pointing Dec	-42.273541	-42.28338551525401	Alternating exposures requested	N	N
[deg] Pointing Roll	307.979543	308.1593864813838	[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)	456900755.184000	456899468.34493			
Observation start date	2012-06-24T04:51:29	2012-06-24T04:31:08			
[s] Observation end time (MET)	456909355.184000	456909660.43297			
Observation end date	2012-06-24T07:14:49	2012-06-24T07:21:00			
Read mode	TIMED	TIMED			

2.3 Aspect





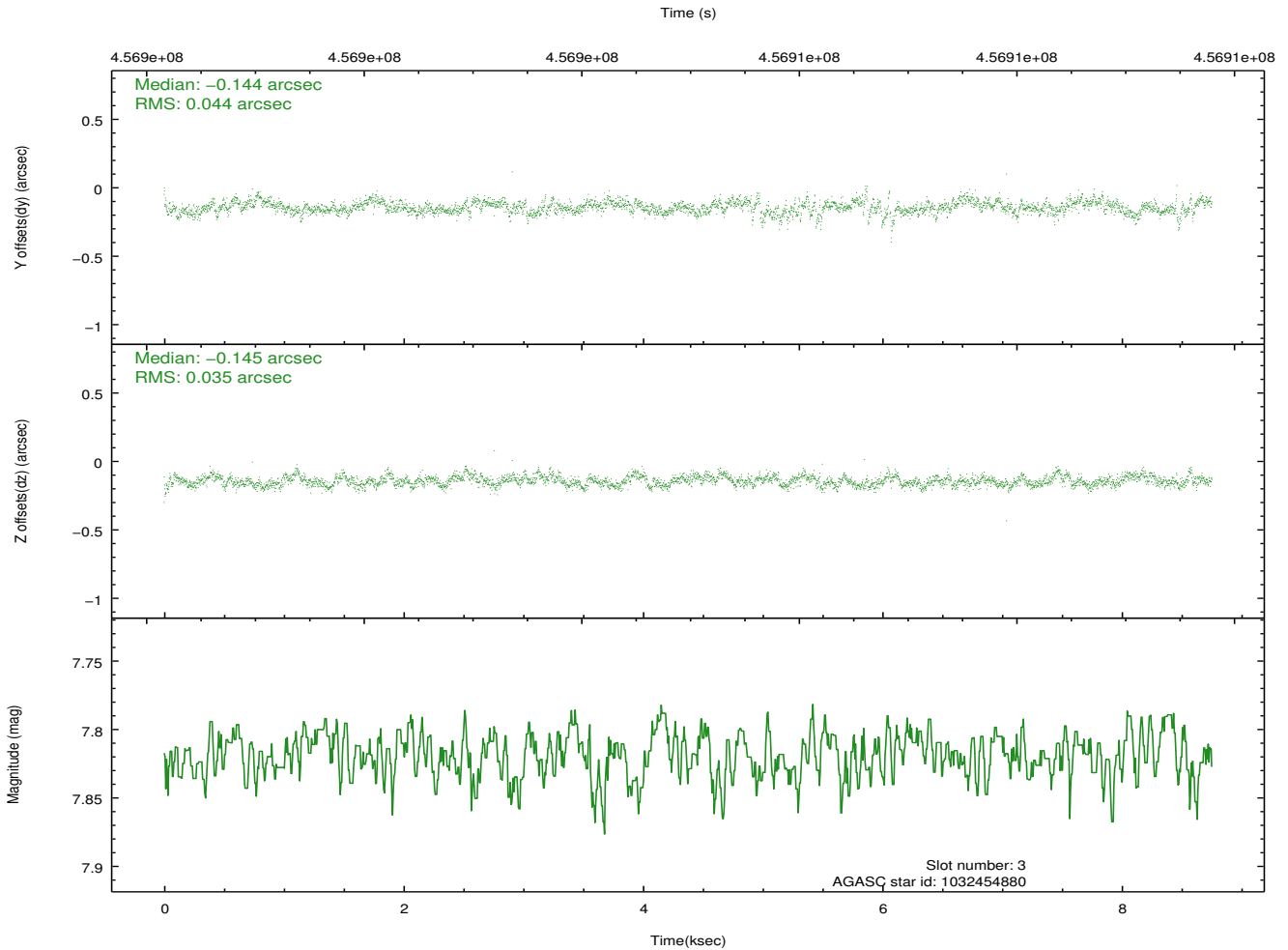
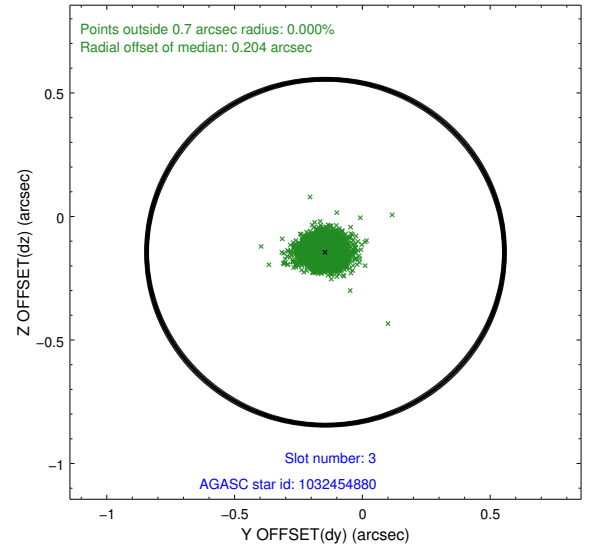
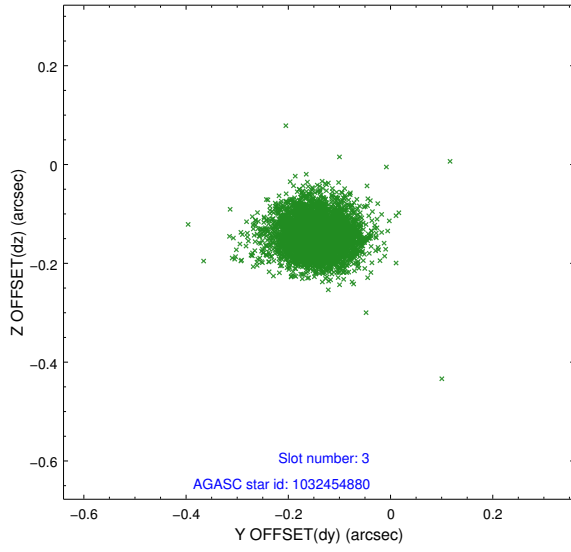
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	2136	-0.090	-0.044	0.009	0.013	0.000000	0.000000	-769.75	-1739.29
1	FID	ACIS-S-4	7.00	2136	0.205	0.055	0.006	0.010	0.000000	0.000000	2143.58	168.56
2	FID	ACIS-S-5	7.03	2135	-0.147	-0.003	0.008	0.013	0.000000	0.000000	-1821.80	162.99
3	GUIDE	1032454880	7.82	4271	-0.144	-0.145	0.058	0.096	255.805803	-42.215139	137.37	516.62
4	GUIDE	1032456032	8.36	4268	-0.090	0.001	0.071	0.115	256.011351	-42.138769	260.24	1117.91
5	GUIDE	1032456320	8.94	4269	-0.029	-0.136	0.079	0.127	256.394531	-42.552800	2061.79	992.00
6	GUIDE	1032456560	8.70	4264	-0.017	0.007	0.077	0.125	256.656029	-42.346936	1916.25	1997.36
7	GUIDE	1032458288	9.13	4269	0.287	0.273	0.101	0.165	255.516912	-42.294354	-111.05	-264.75

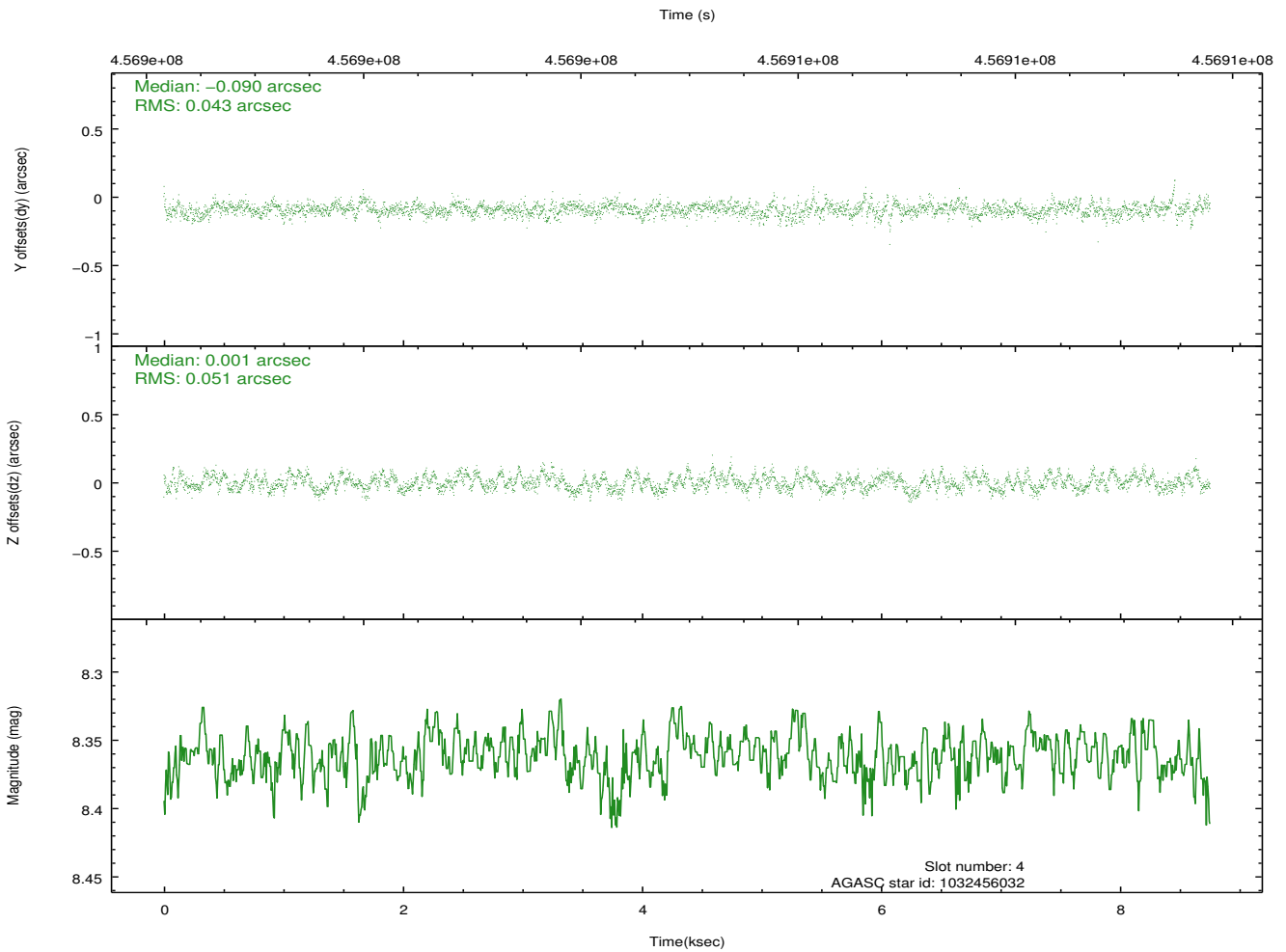
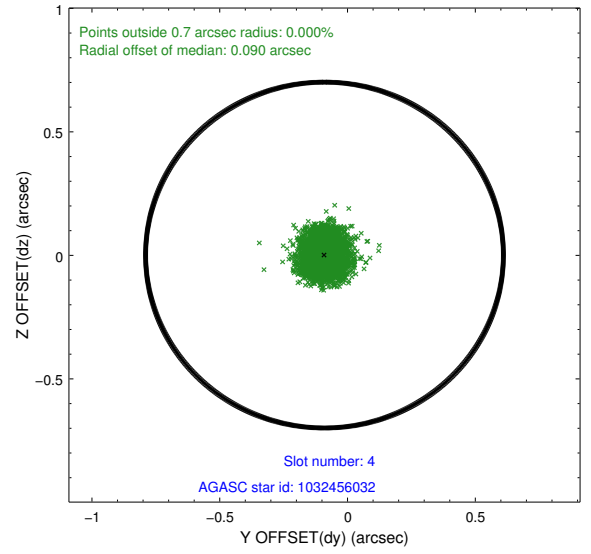
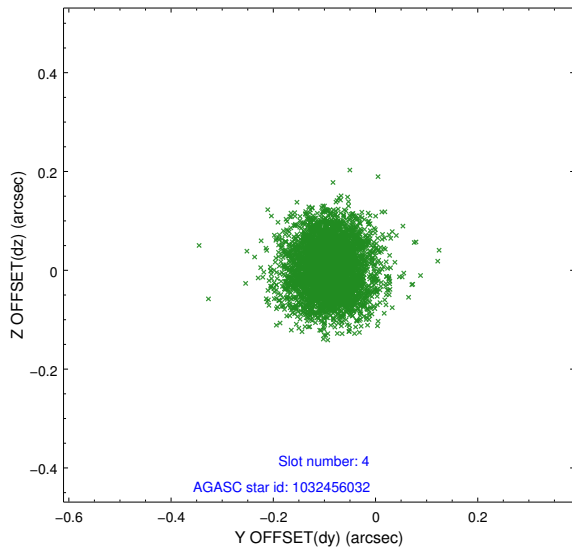
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2.4 Star Slots

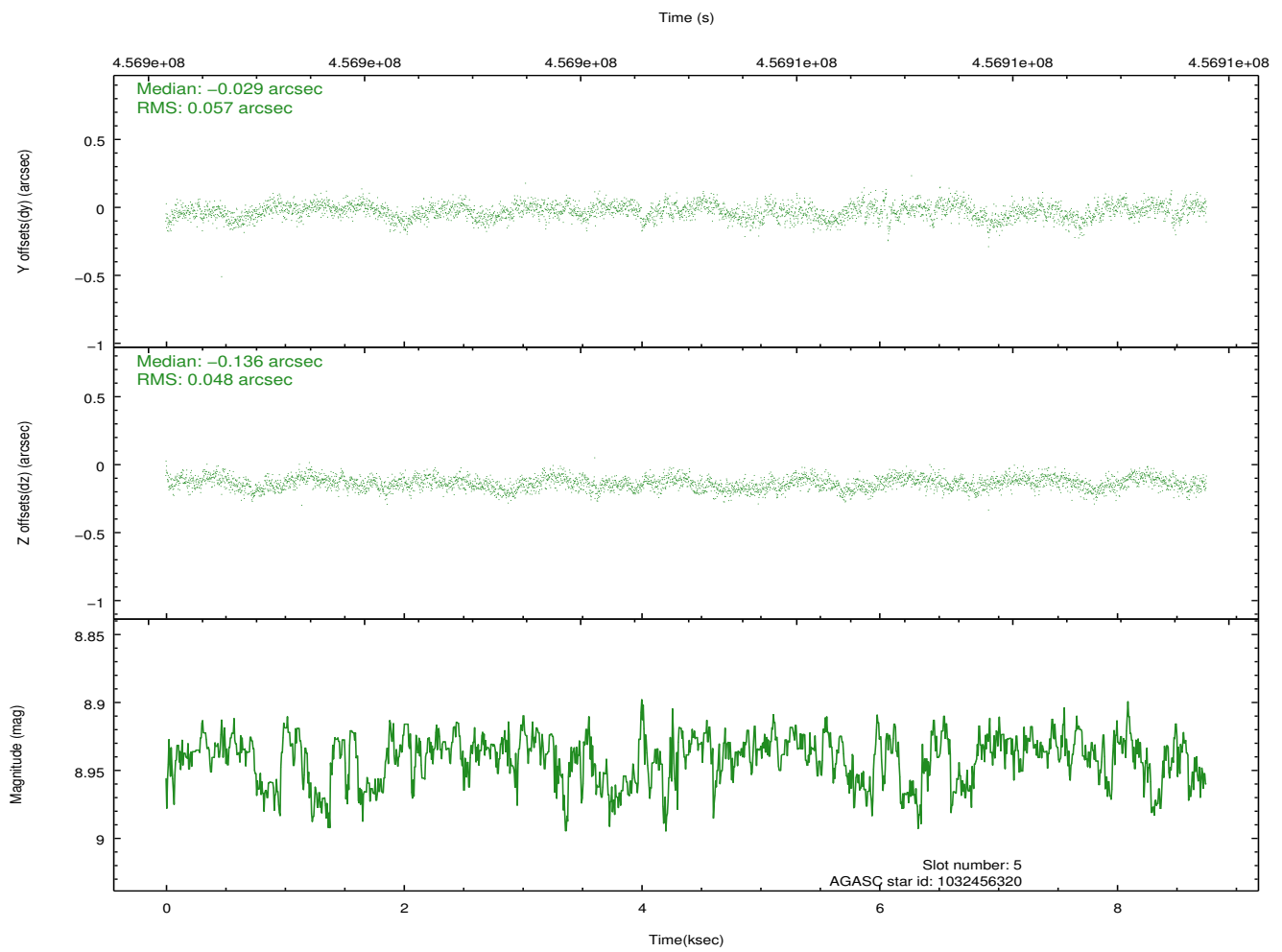
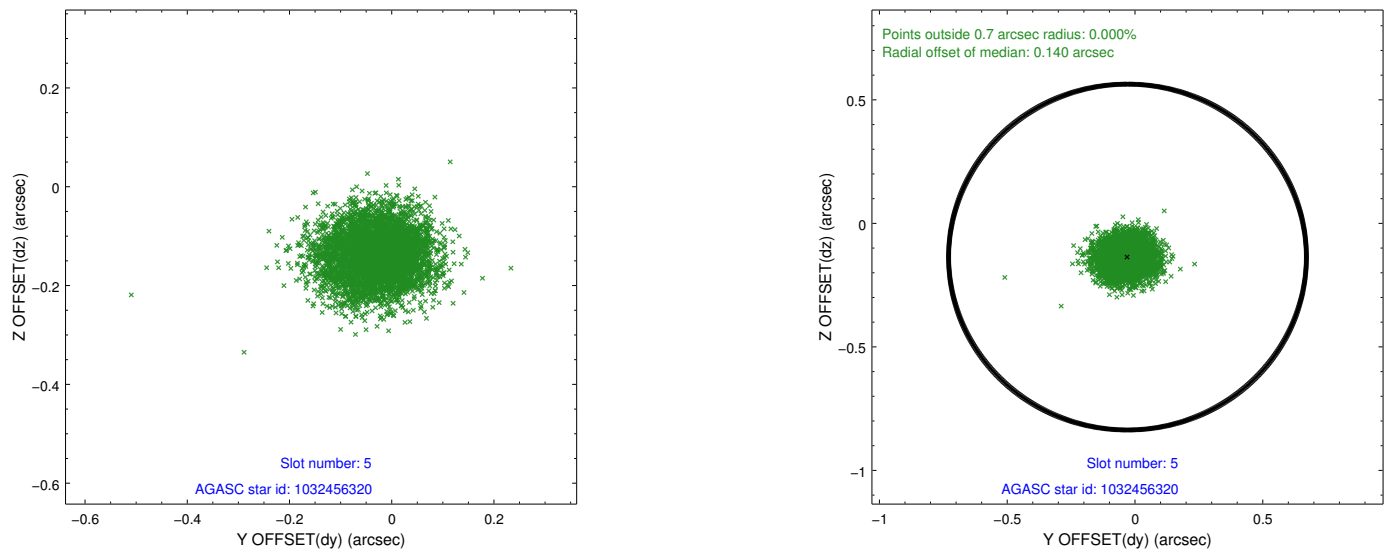
2.4.1 Slot 3



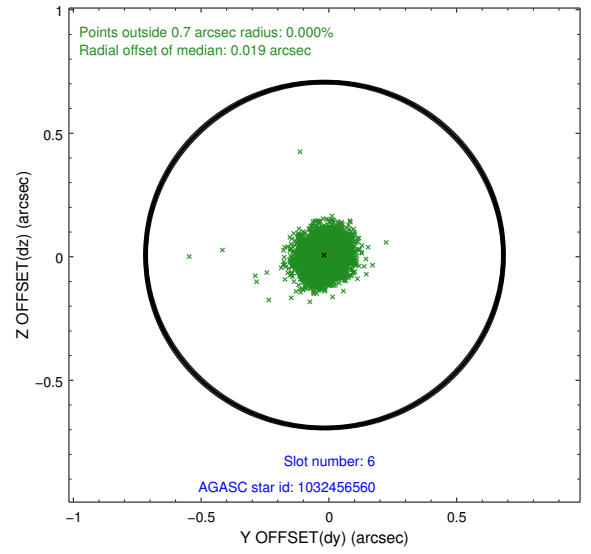
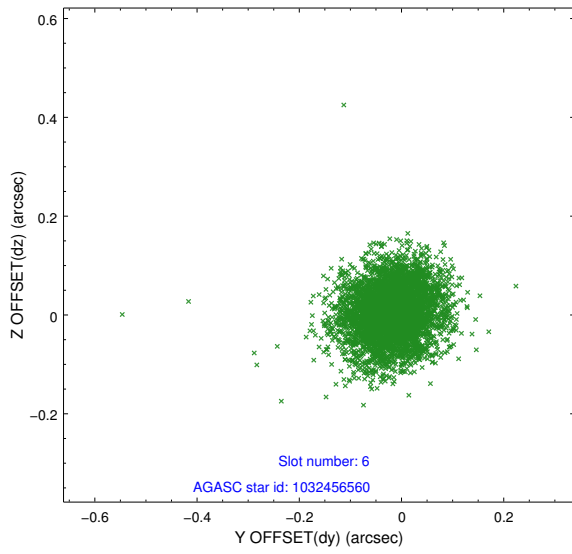
2.4.2 Slot 4



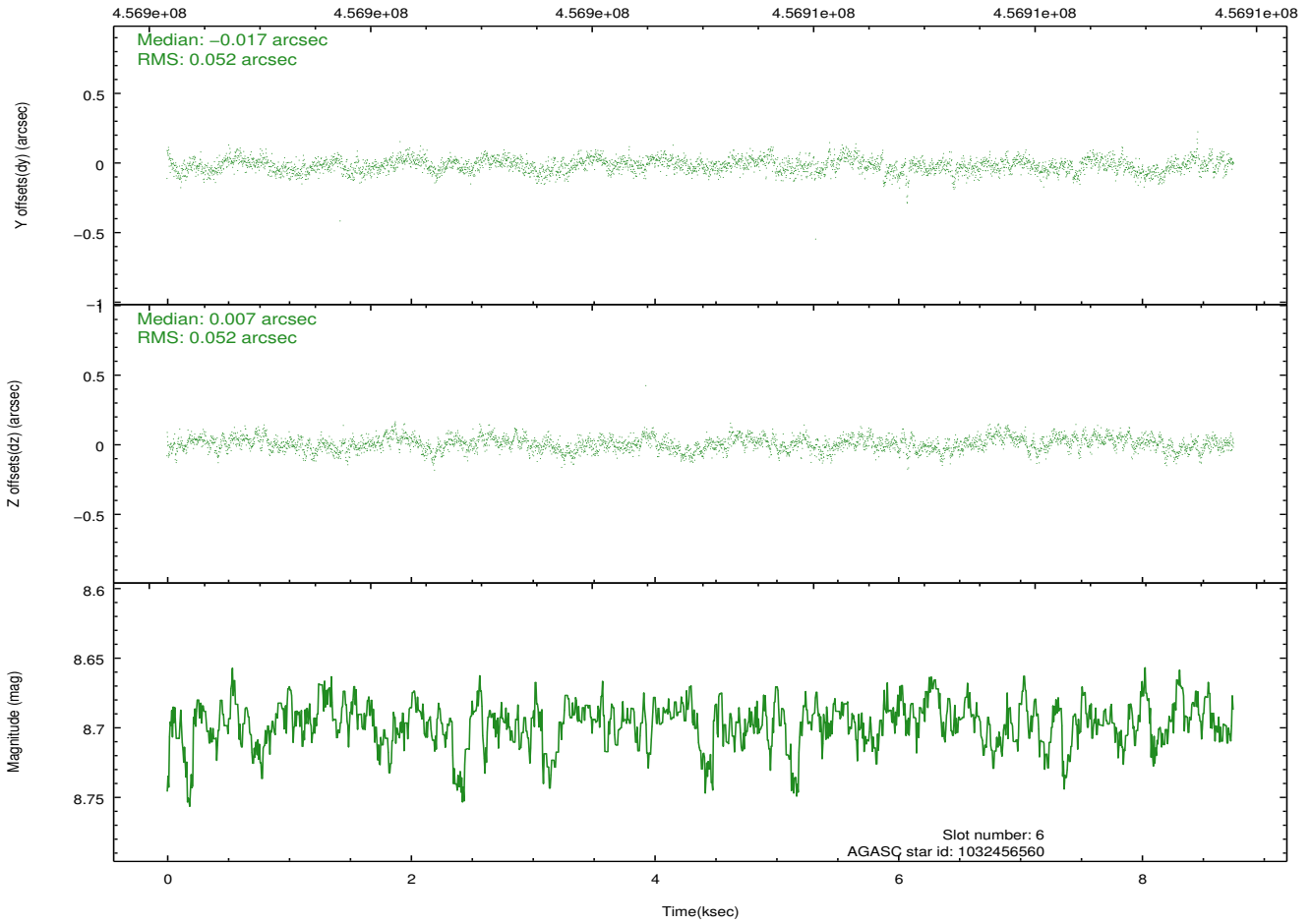
2.4.3 Slot 5



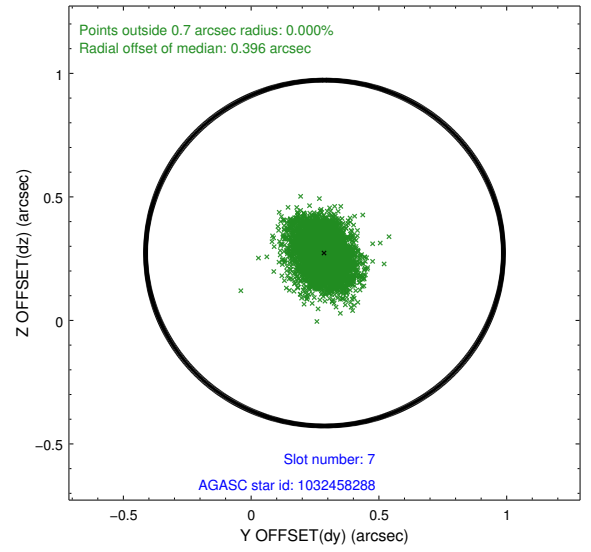
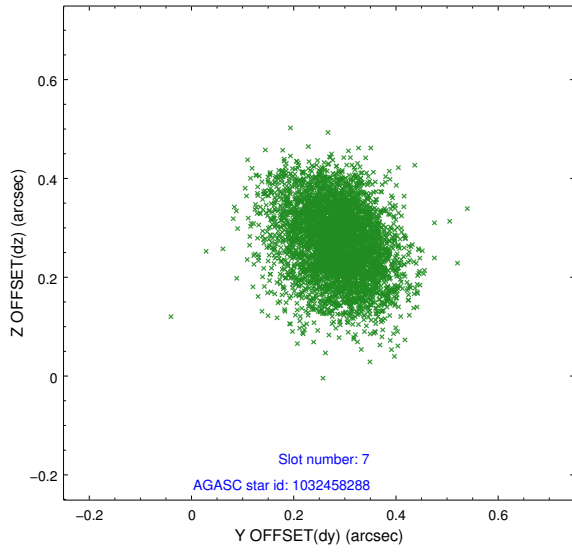
2.4.4 Slot 6



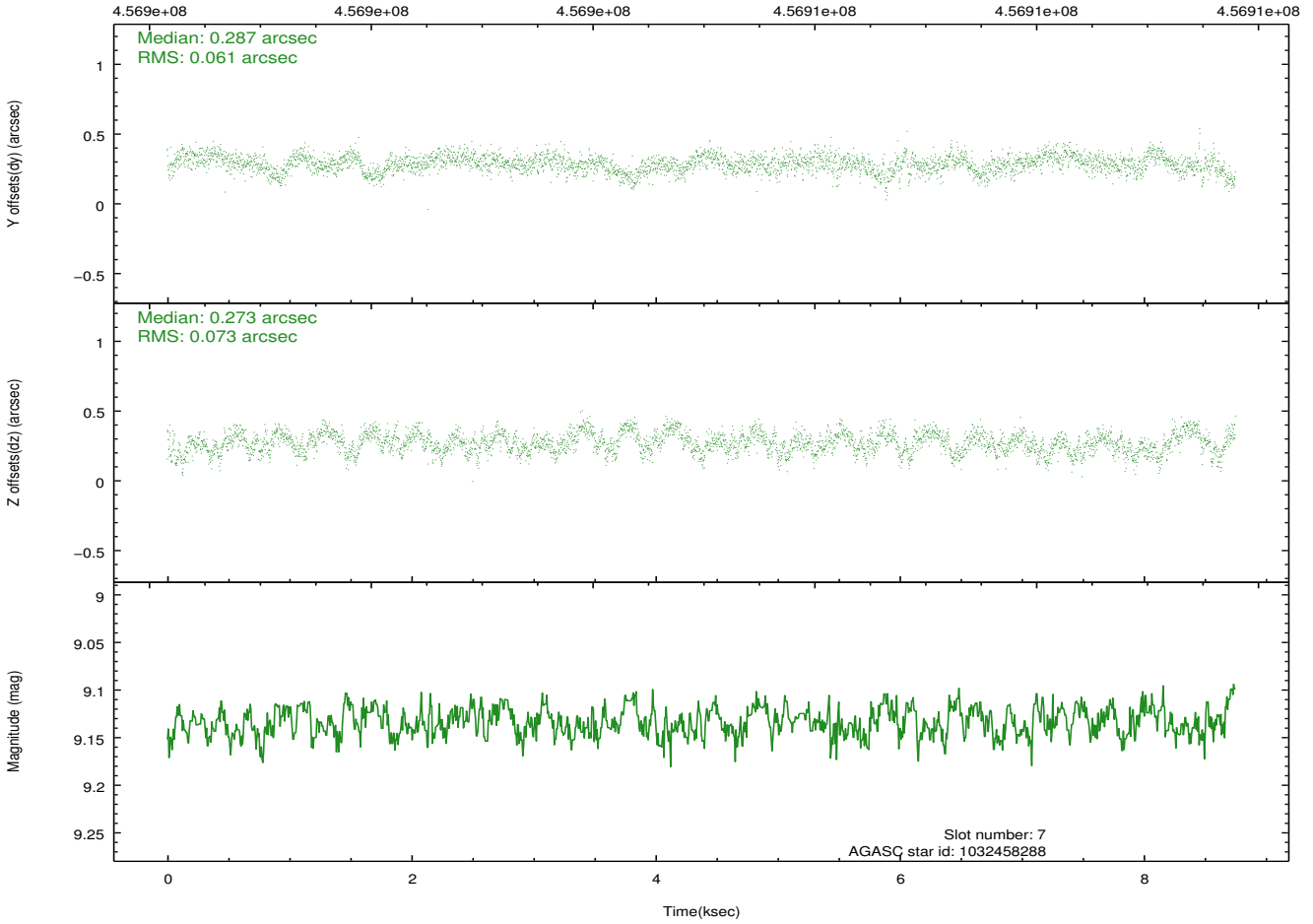
Time (s)



2.4.5 Slot 7

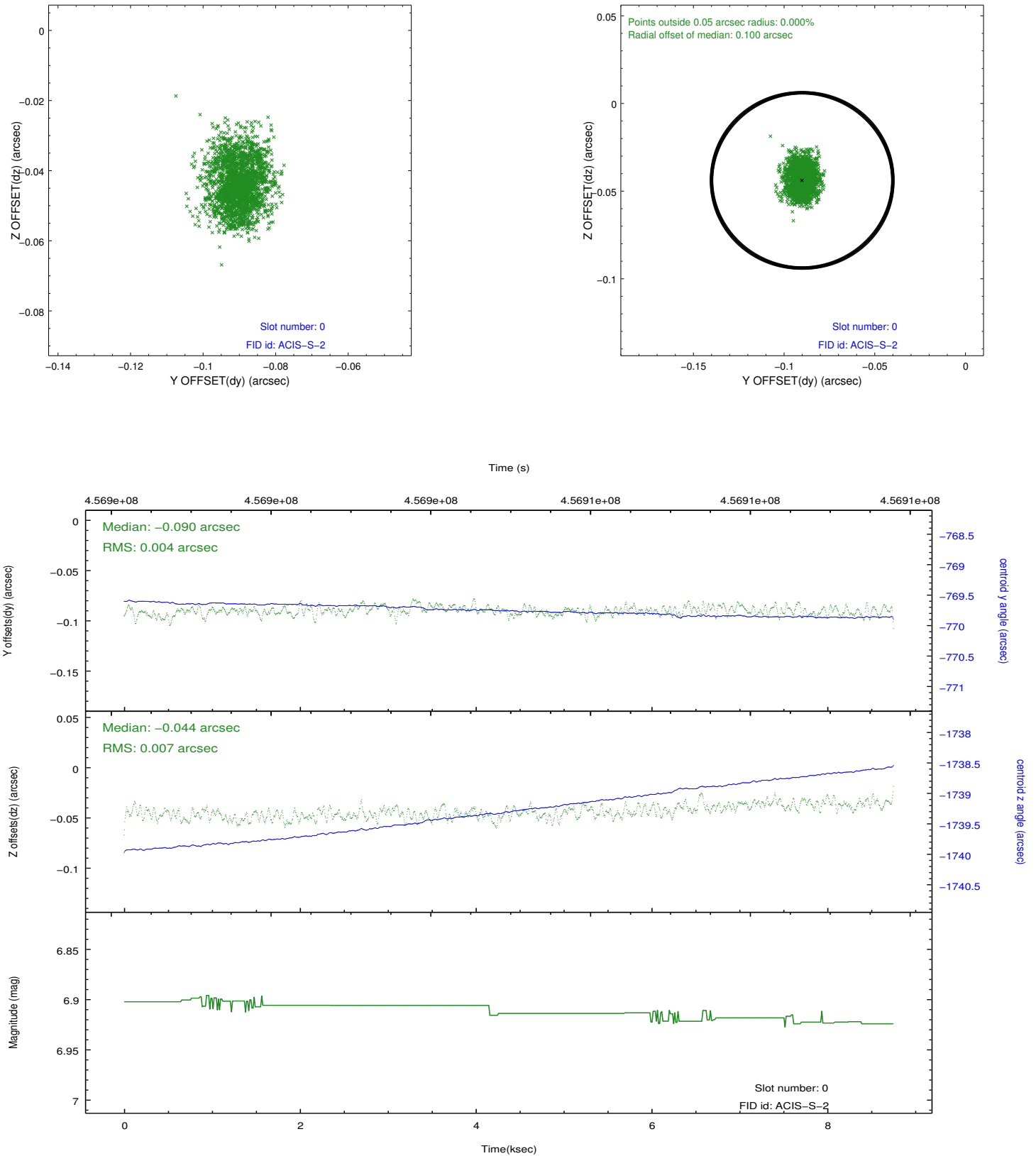


Time (s)

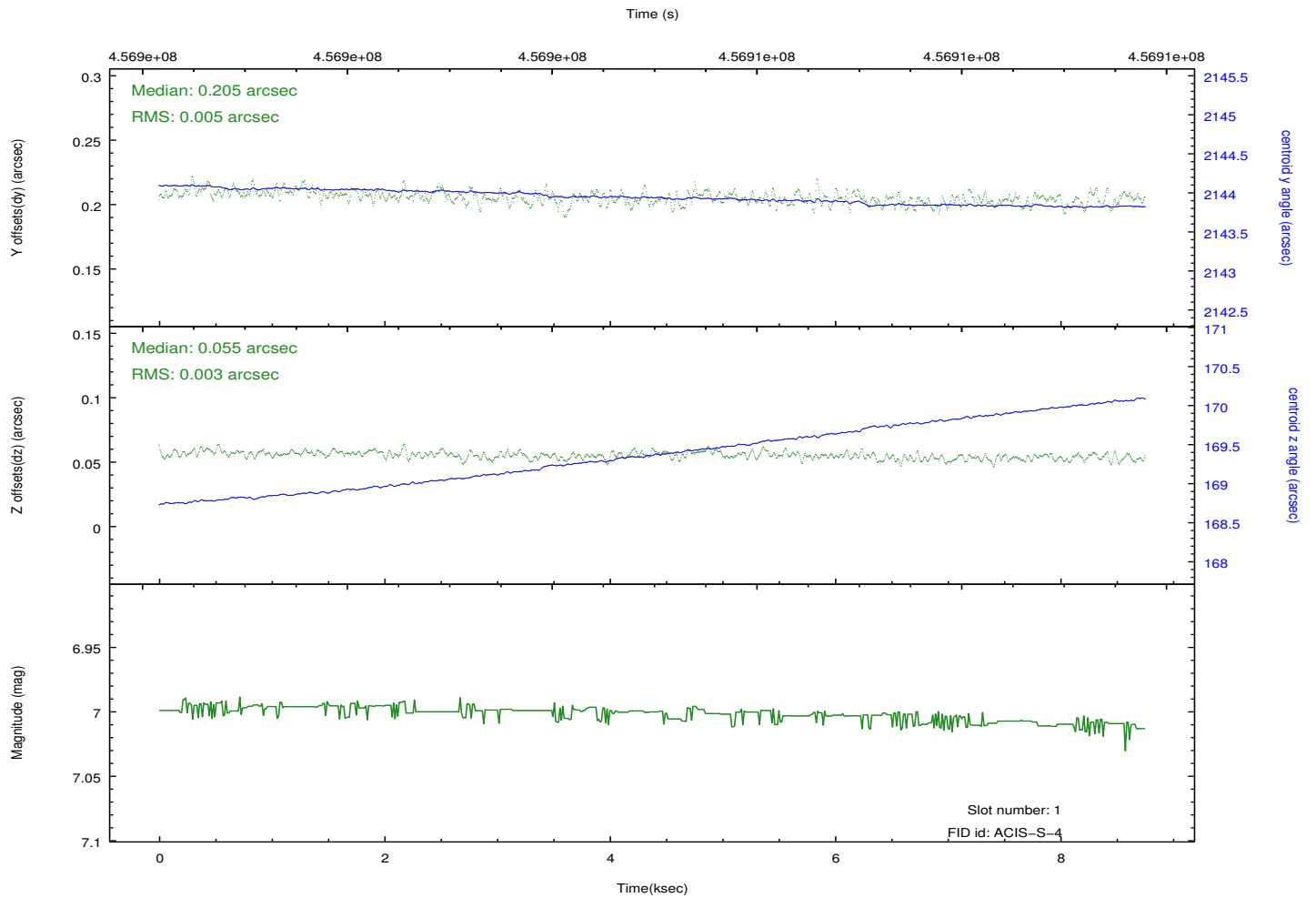
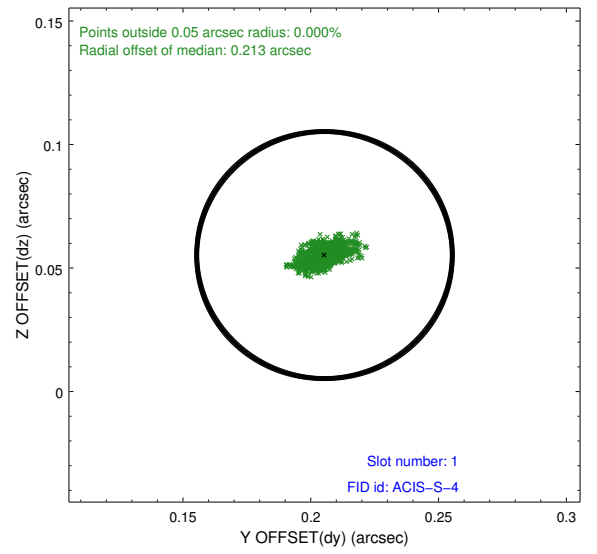
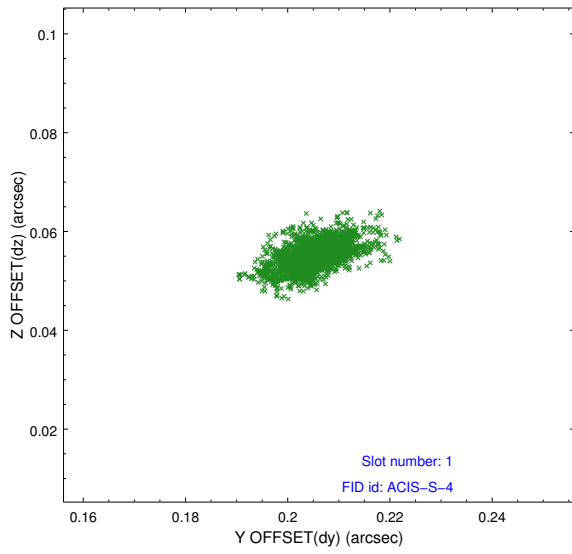


2.5 FID Slots

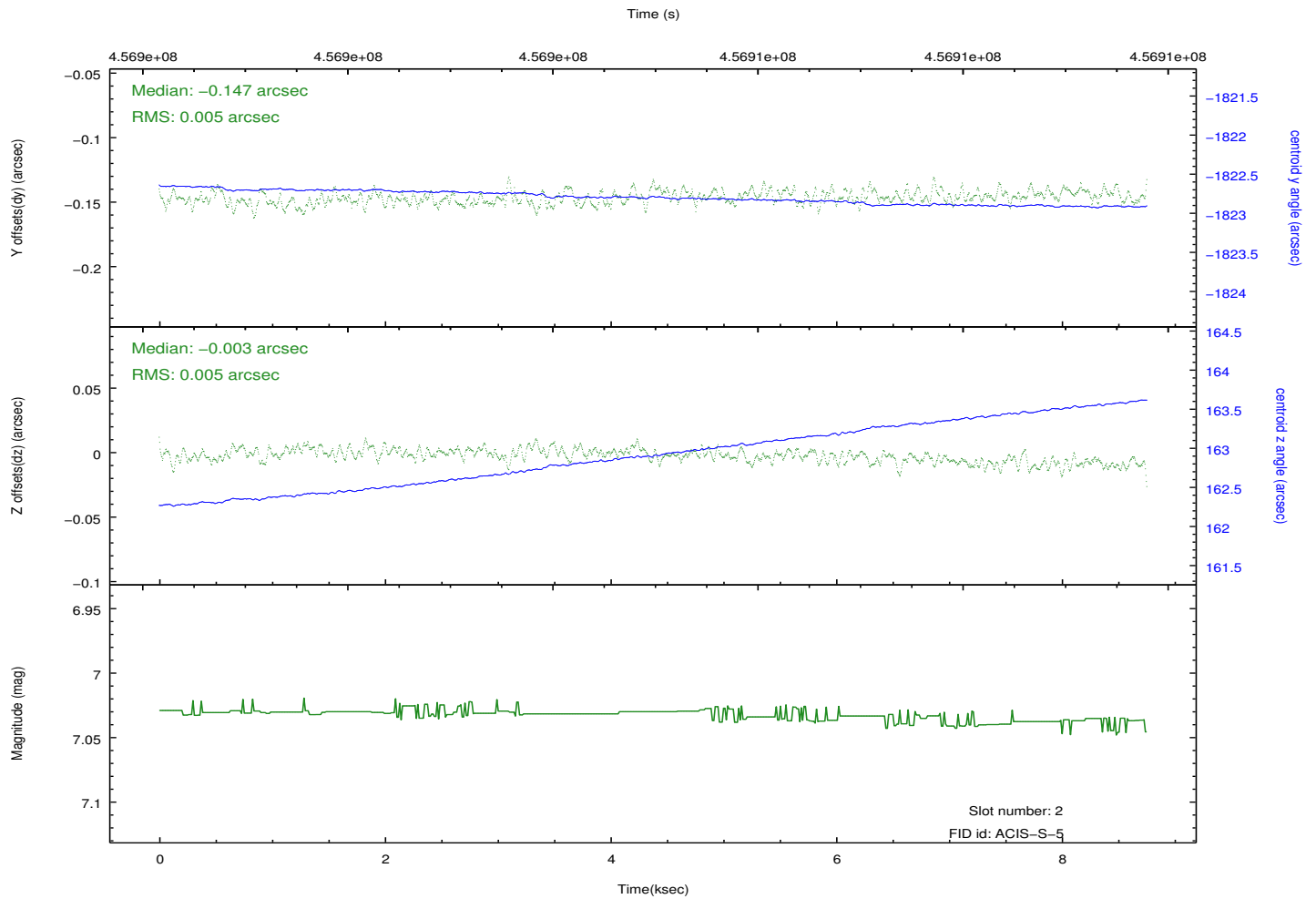
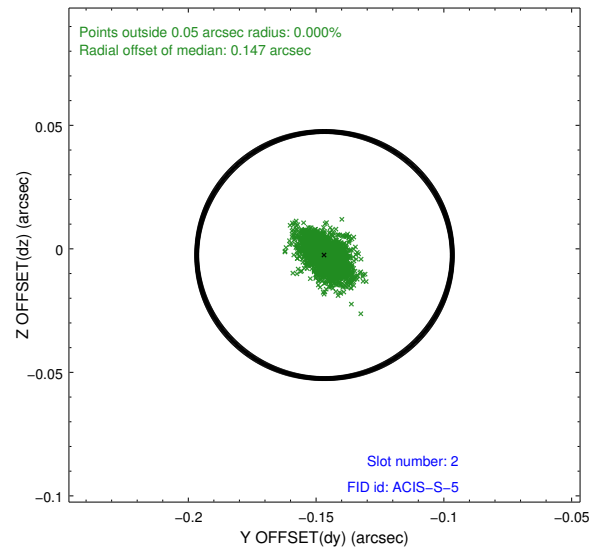
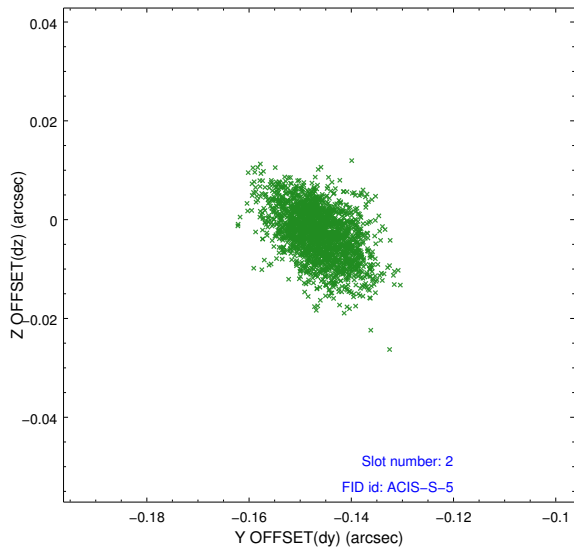
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.664500066638

A.2 Comments