

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10757 - L2 Version 2
Chandra X-Ray Center

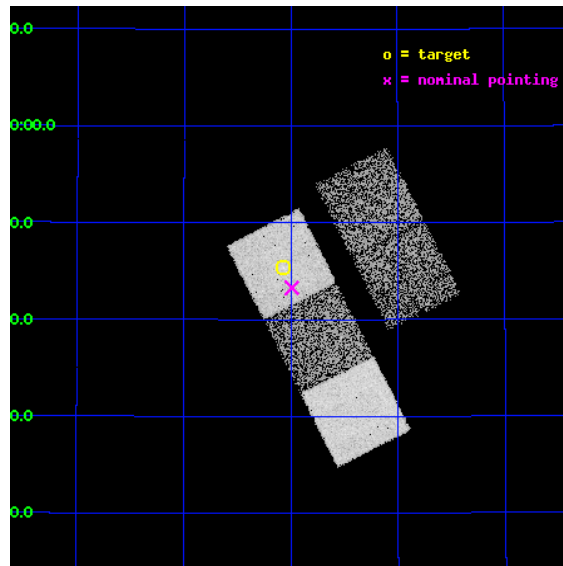
L2 Processing Date : Jun 9 2012

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1 Front

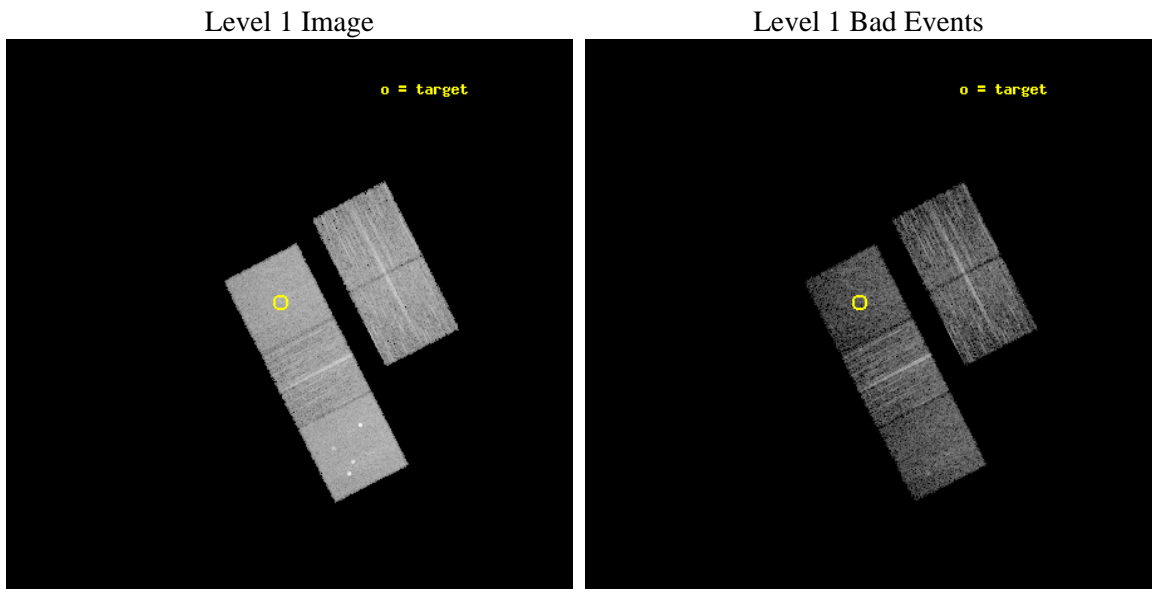
seq_num	900904	Sequence number
obs_id	10757	Observation id
title	The Origin and Evolution of Fossil Groups	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1410+4145	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	212.5175	Observer's specified target RA [deg]
dec_targ	41.755806	Observer's specified target Dec [deg]
ra_nom	212.4974937044	Nominal RA [deg]
dec_nom	41.721331492427	Nominal Dec [deg]
roll_nom	242.93369333668	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5155.300039649	Sum of GTIs [s]
livetime	5087.9422493543	Livetime [s]
ontime2	5155.300039649	Sum of GTIs [s]
ontime3	5152.1590493917	Sum of GTIs [s]
ontime5	5155.300039649	Sum of GTIs [s]
ontime6	5155.300039649	Sum of GTIs [s]
ontime7	5155.300039649	Sum of GTIs [s]
l2events	63808	Number of level 2 events



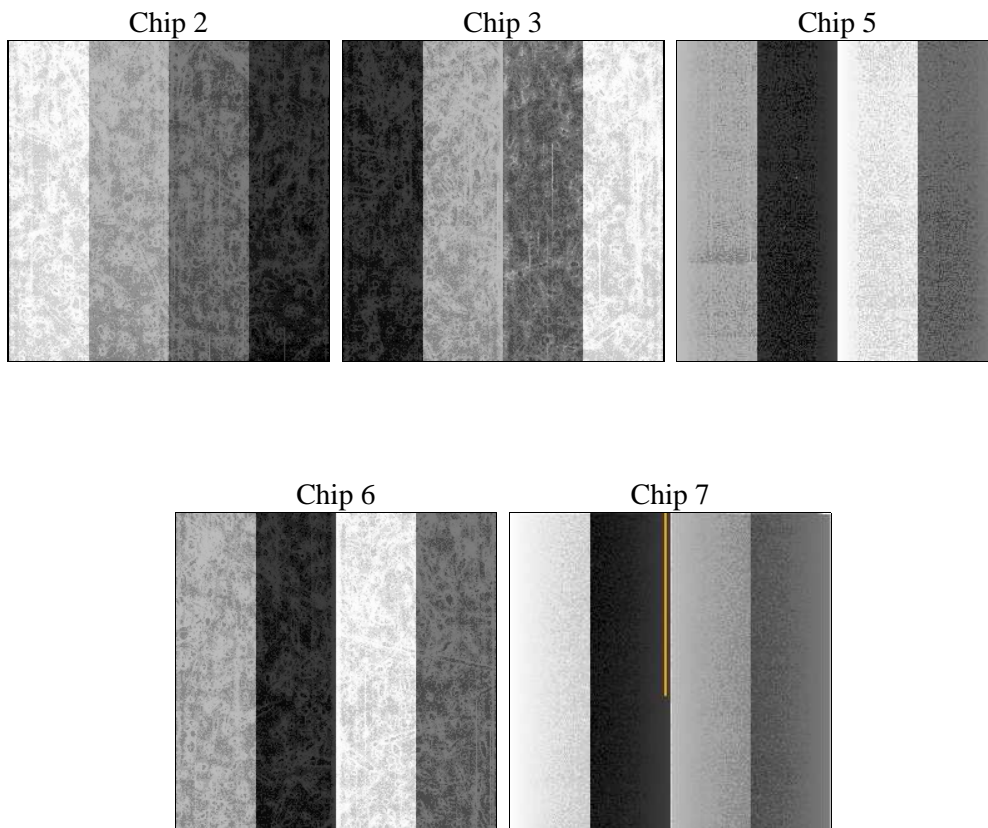
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5155.300039649	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	5155.300039649	Sum of GTIs [s]
date	2012-06-09T22:08:39	Date and time of file creation	ontime3	5152.1590493917	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5155.300039649	Sum of GTIs [s]
			ontime6	5155.300039649	Sum of GTIs [s]
			ontime7	5155.300039649	Sum of GTIs [s]
			l1events	291553	Number of level 1 events

2.1.4 Events

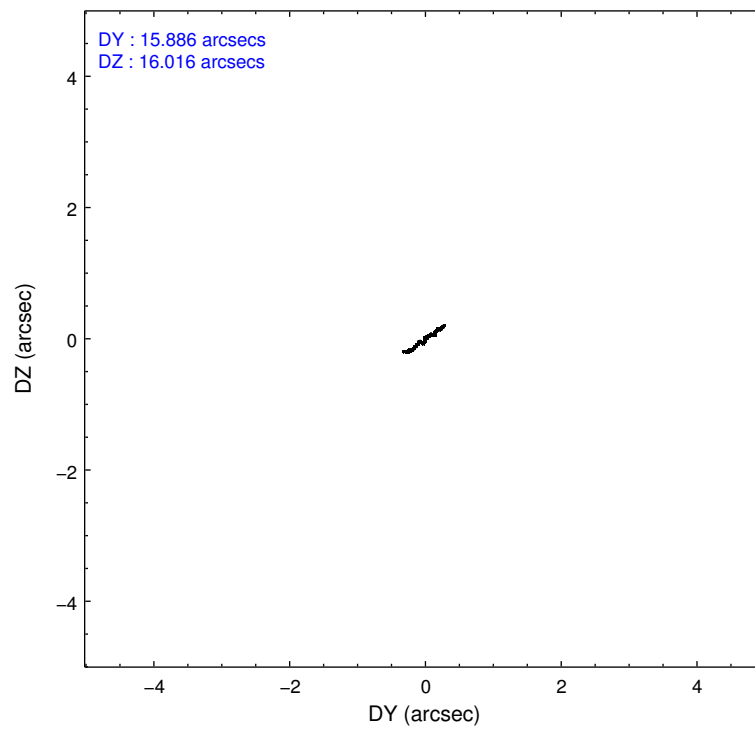
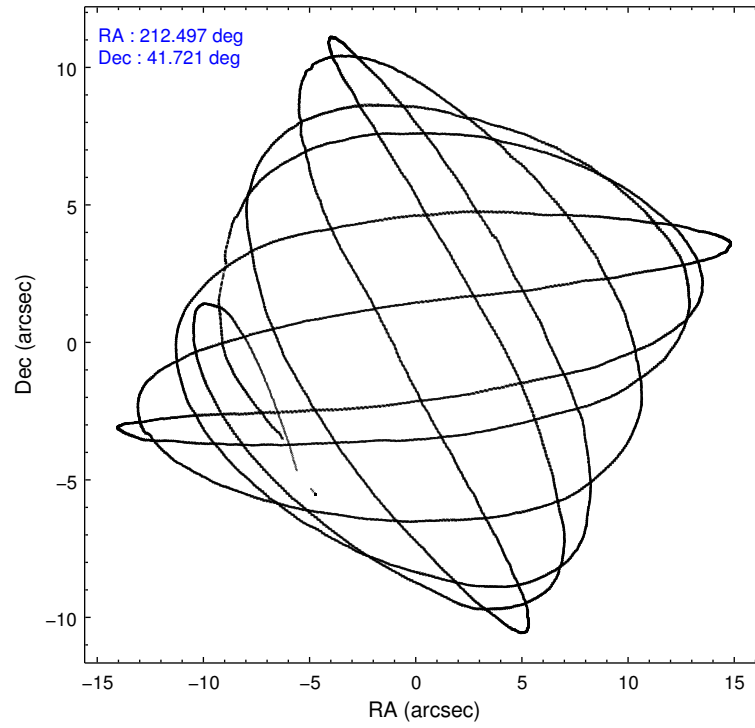
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	52841	50852	74951	54112	58797
rejected events	48457	46728	41387	49439	34934
rejected %	91%	91%	55%	91%	59%

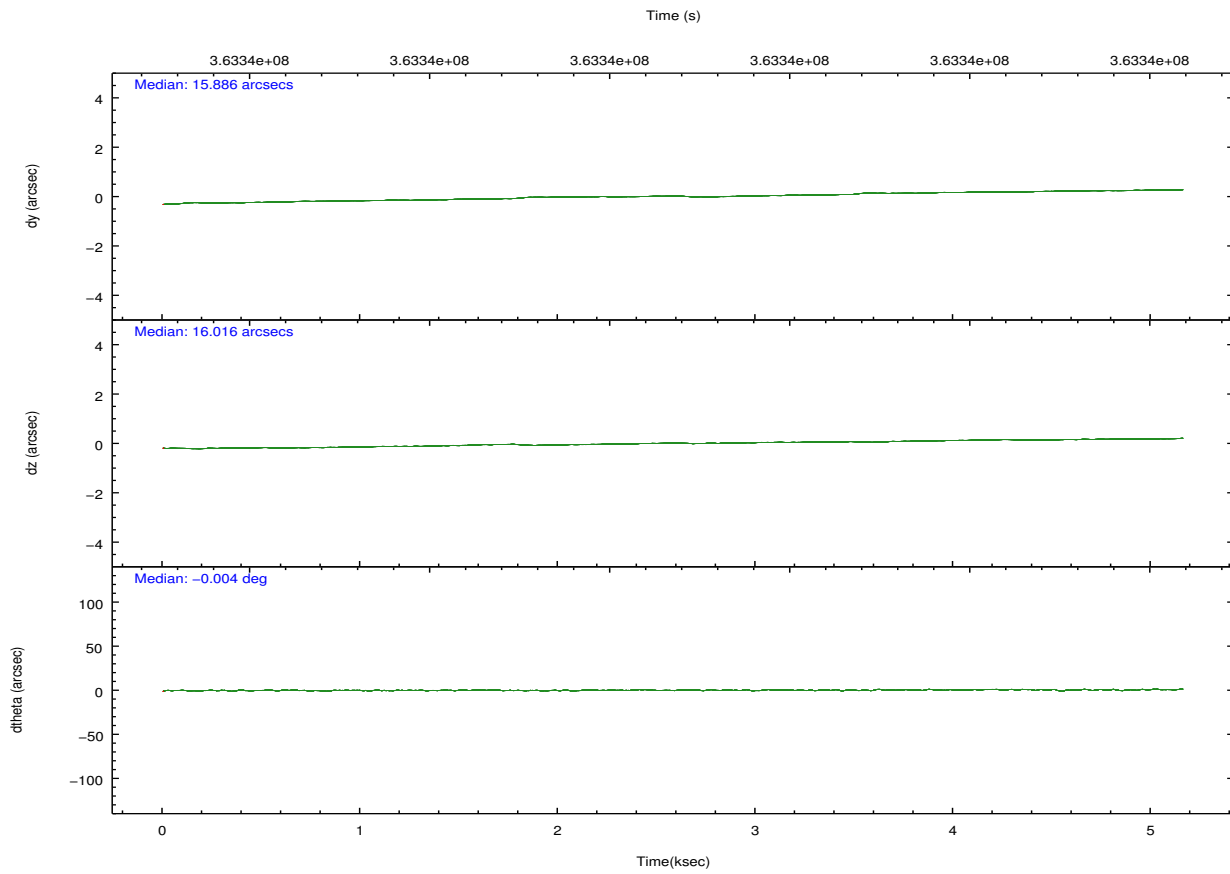
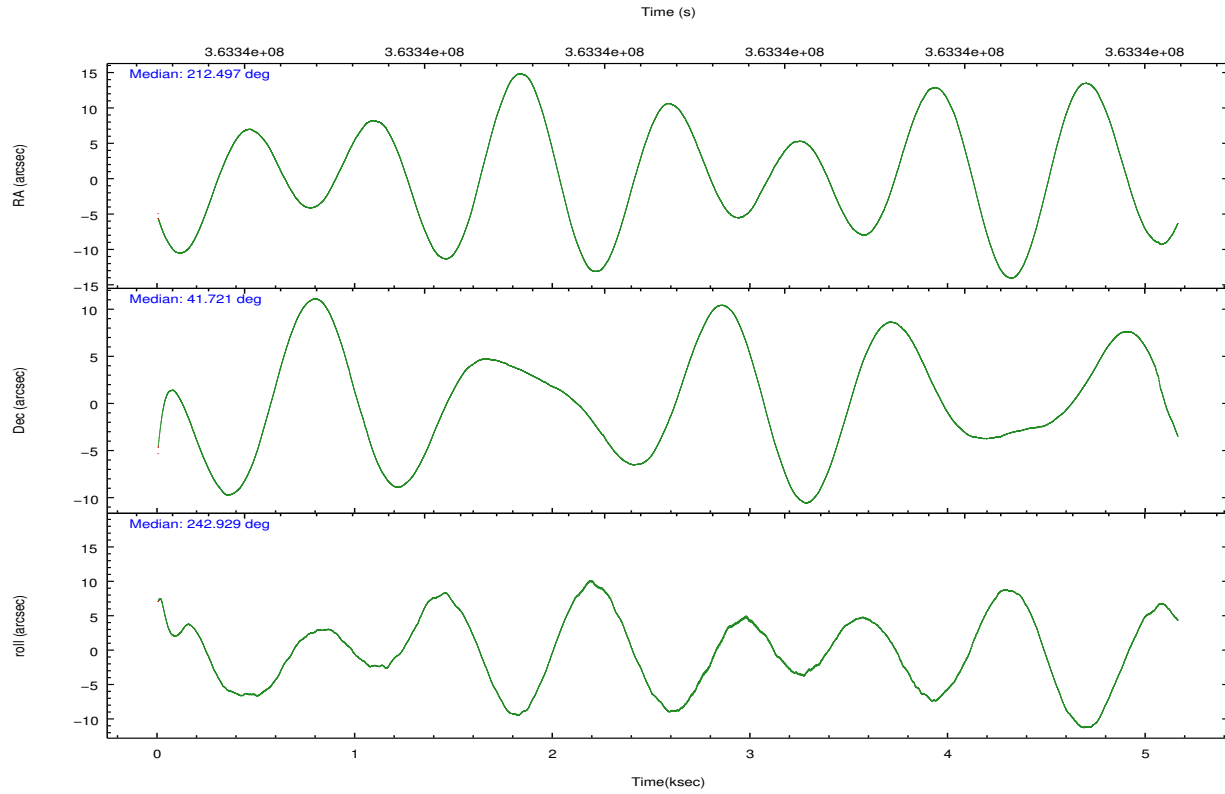
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1779	1655	5790	1895	2729
	3%	3%	7%	3%	4%
grade 1 events	33	33	194	28	83
	0%	0%	0%	0%	0%
grade 2 events	1224	1082	11435	1190	5602
	2%	2%	15%	2%	9%
grade 3 events	520	565	1474	533	2445
	0%	1%	1%	0%	4%
grade 4 events	551	580	1488	534	2536
	1%	1%	1%	0%	4%
grade 5 events	1704	2068	5708	2126	6206
	3%	4%	7%	3%	10%
grade 6 events	960	951	18736	1214	14059
	1%	1%	24%	2%	23%
grade 7 events	46070	43918	30126	46592	25137
	87%	86%	40%	86%	42%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	212.495200	212.497493704401	CCD I2 on	O1	Y
[deg] Pointing Dec	41.748623	41.72133149242669	CCD I3 on	O2	Y
[deg] Pointing Roll	242.778577	242.9336933366781	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	363335942.184000	363334410.11471	CCD S5 on	N	N
Observation start date	2009-07-07T06:37:56	2009-07-07T06:13:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	363340942.184000	363341581.01507	On-chip summing requested	N	N
Observation end date	2009-07-07T08:01:16	2009-07-07T08:13:01	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



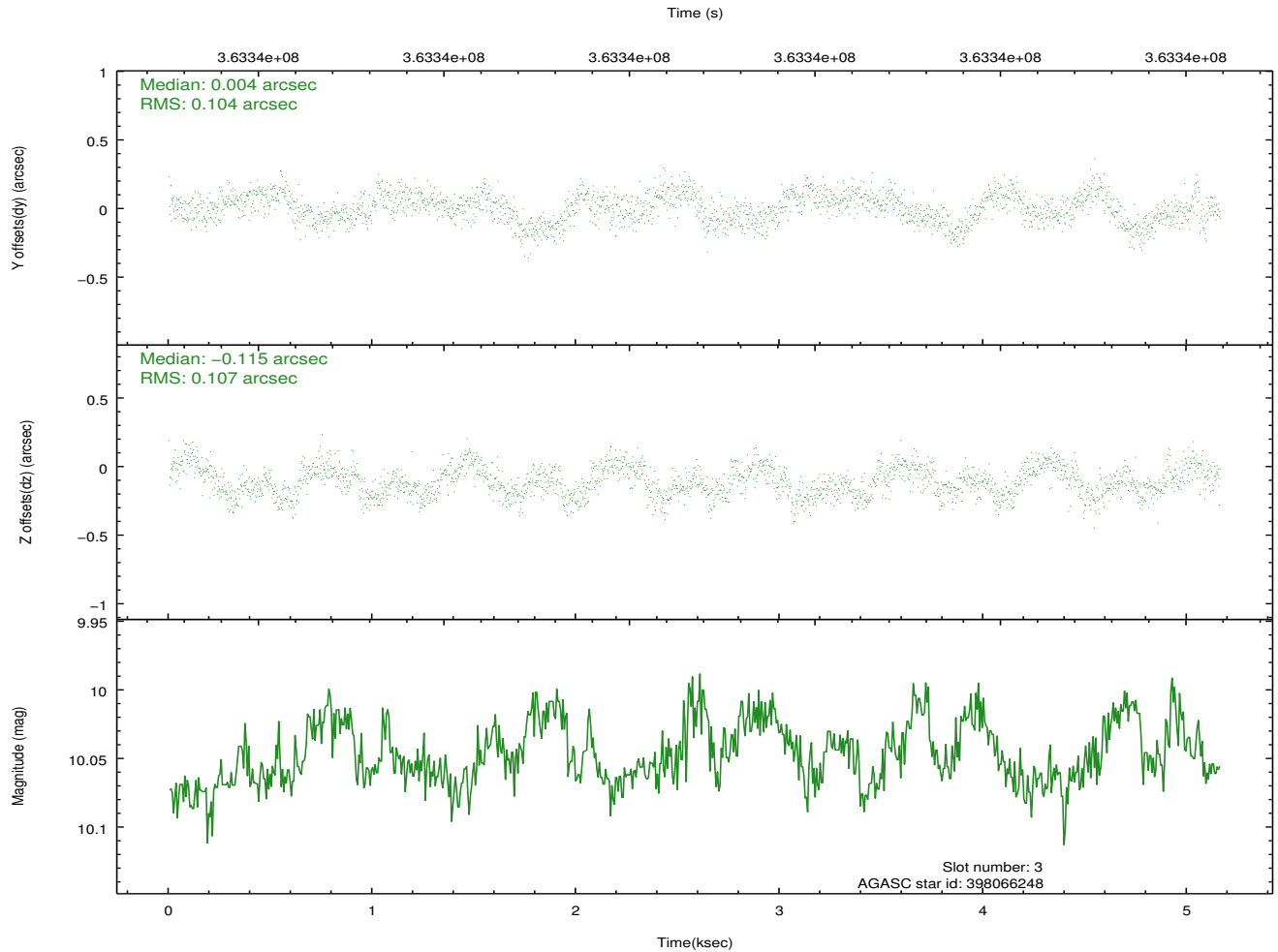
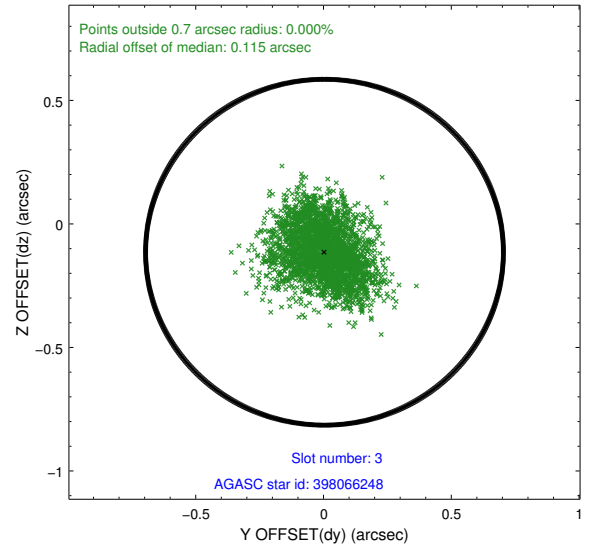
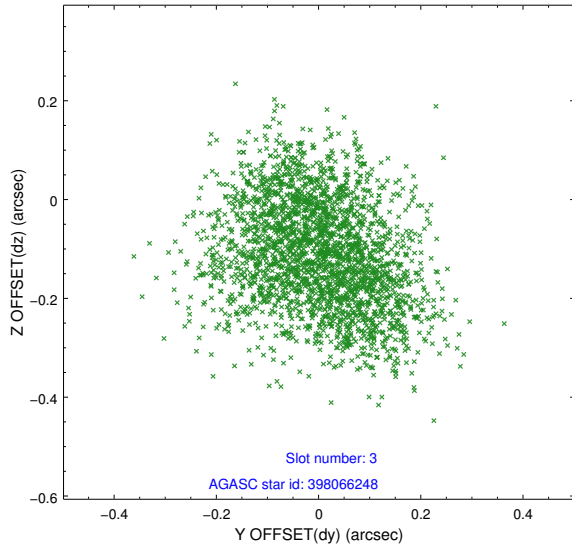


Slot Statistics

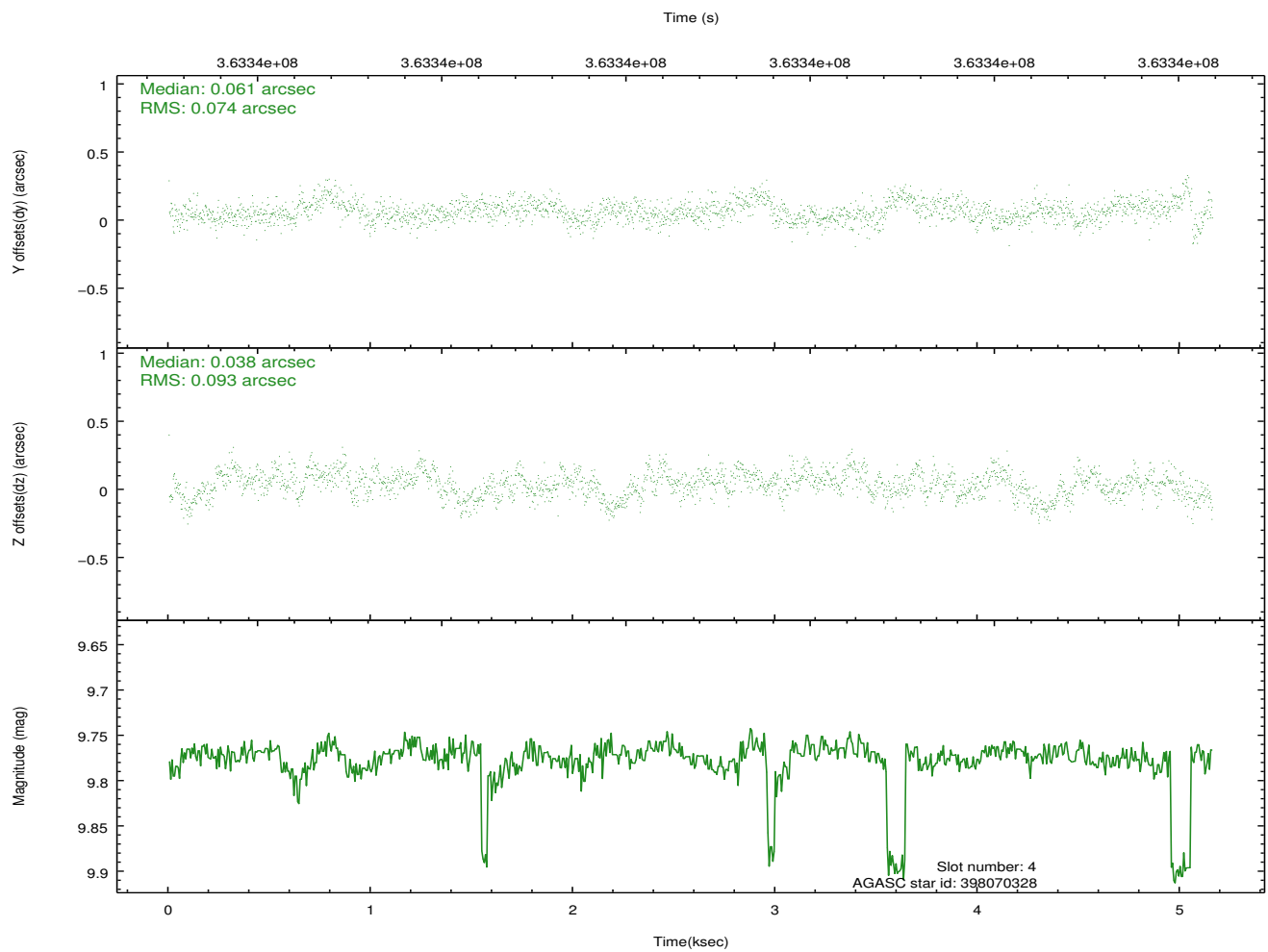
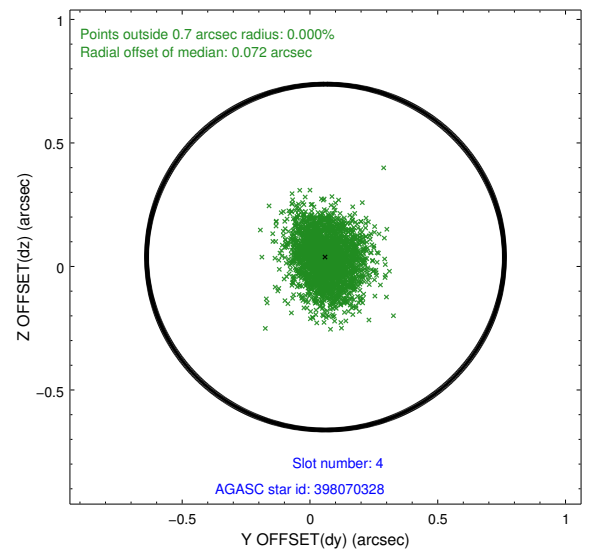
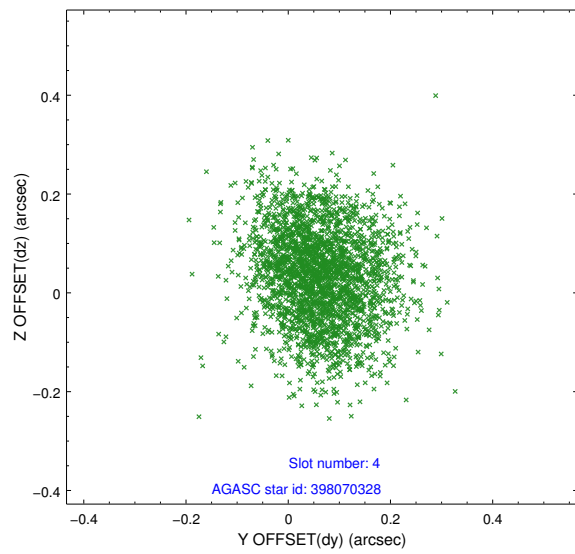
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1259	-0.085	-0.001	0.007	0.012	0.000000	0.000000	-768.97	-1737.42
1	FID	ACIS-S-4	6.96	1259	0.158	0.041	0.006	0.019	0.000000	0.000000	2144.01	169.89
2	FID	ACIS-S-5	6.99	1259	-0.106	-0.031	0.007	0.014	0.000000	0.000000	-1820.33	164.82
3	GUIDE	398066248	10.05	2514	0.004	-0.115	0.162	0.247	213.049841	41.976919	-1413.52	942.46
4	GUIDE	398070328	9.77	2511	0.061	0.038	0.127	0.205	212.416880	42.114431	-1075.34	-788.19
5	GUIDE	398070736	7.10	2516	-0.017	-0.126	0.126	0.196	211.837836	42.098508	-322.83	-2140.54
6	GUIDE	398070848	8.97	2517	-0.022	0.189	0.134	0.198	212.718398	42.166740	-1611.56	-160.04
7	GUIDE	398072688	9.50	2515	-0.031	0.025	0.121	0.190	212.851658	41.156335	1452.11	1834.30

2.4 Star Slots

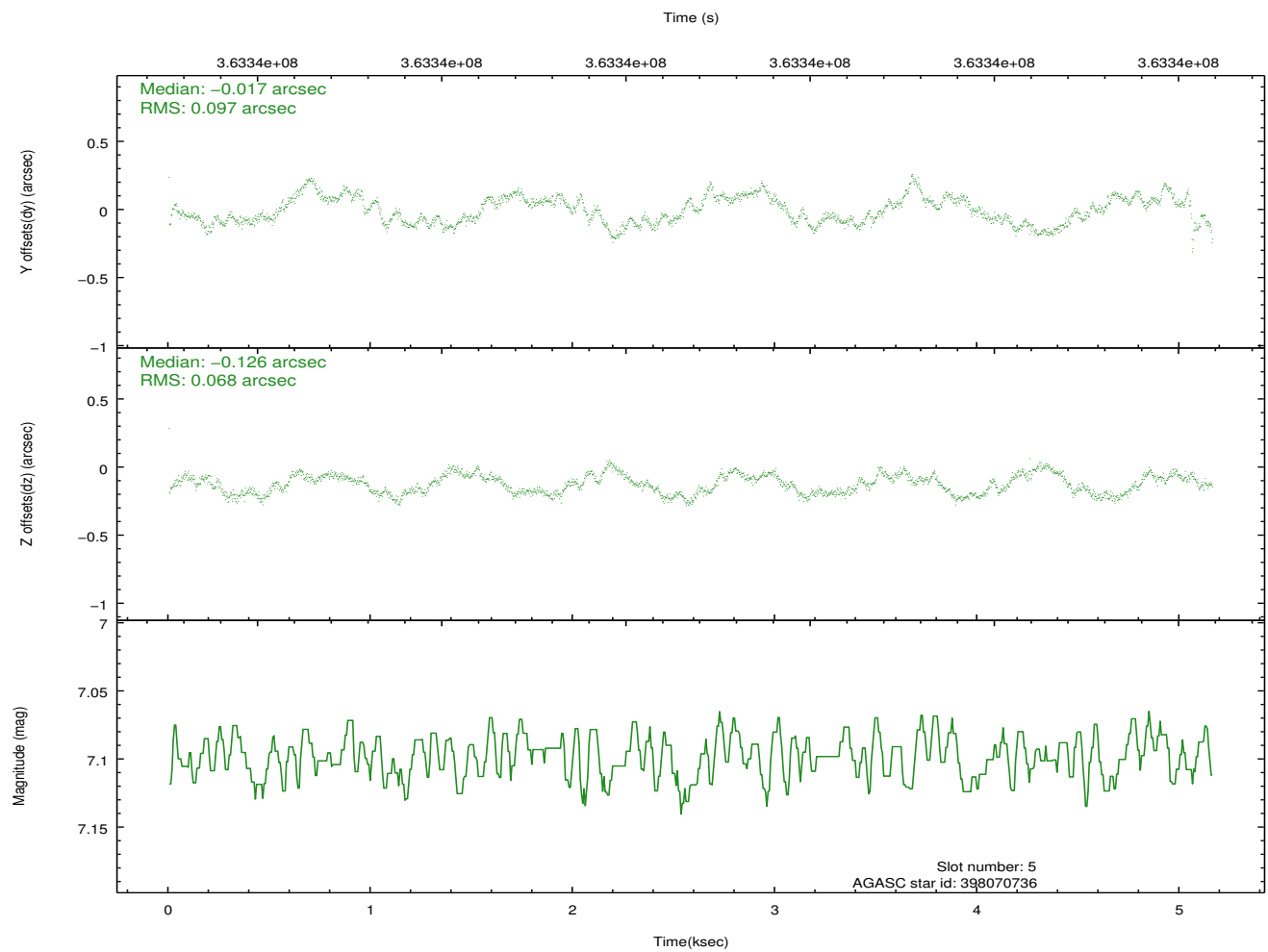
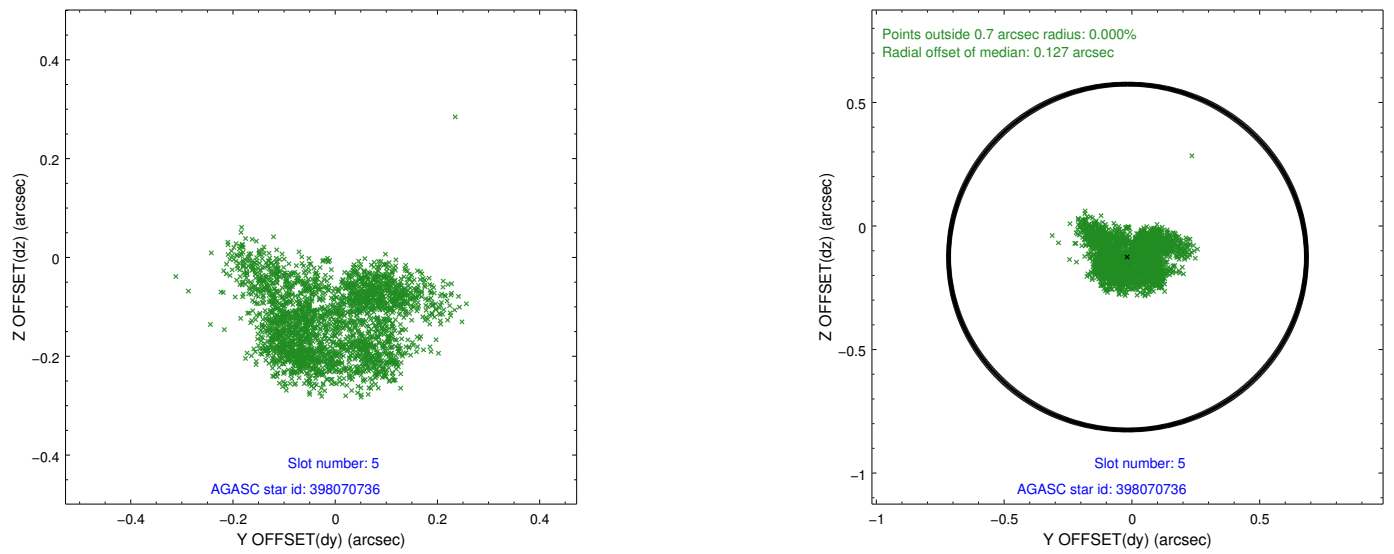
2.4.1 Slot 3



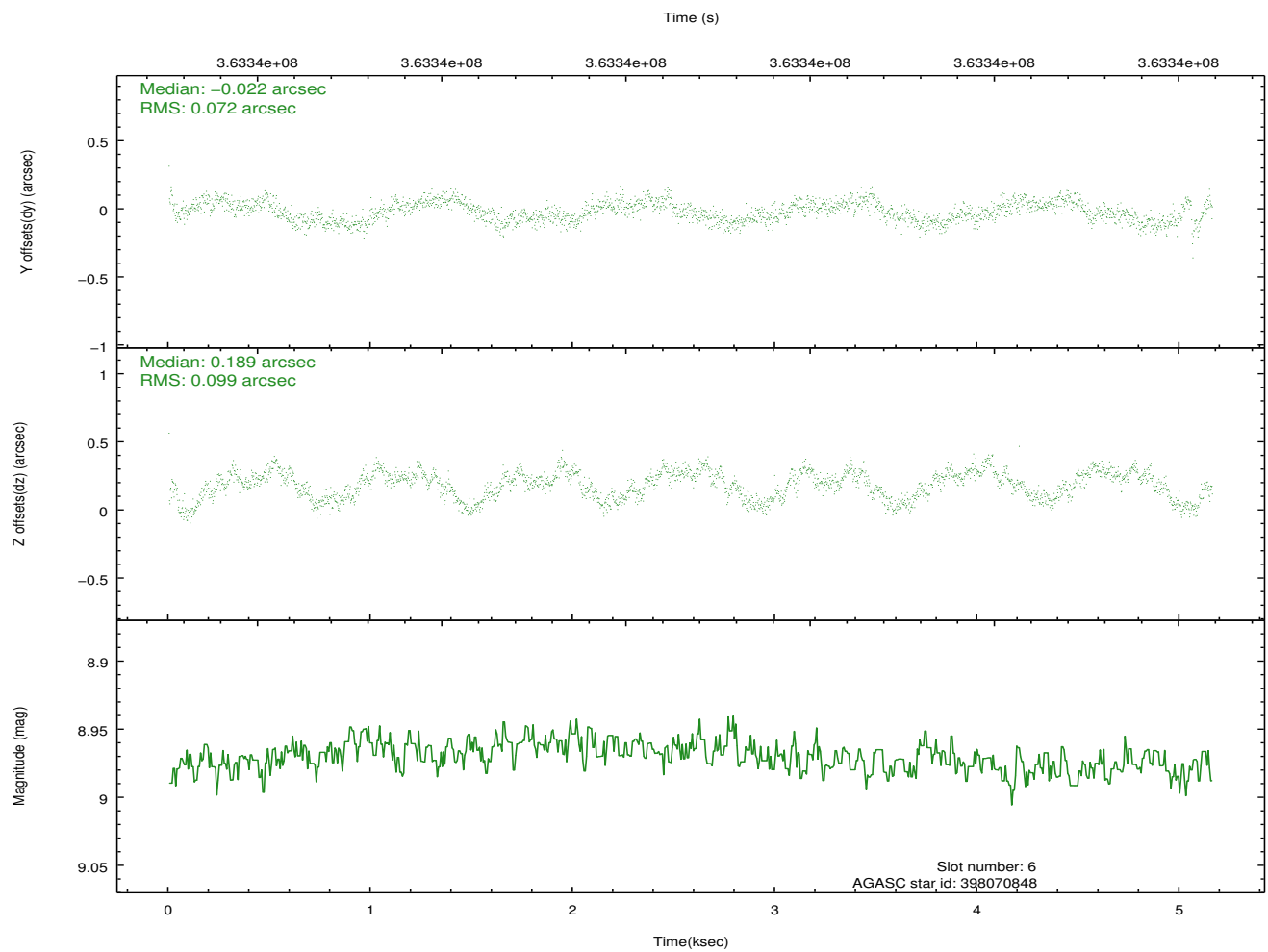
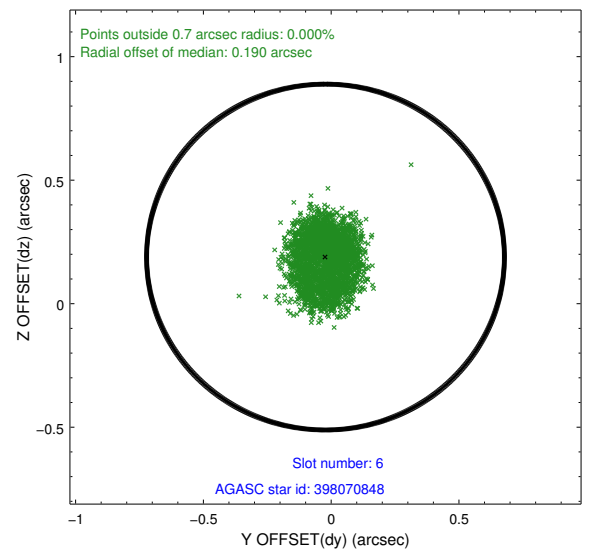
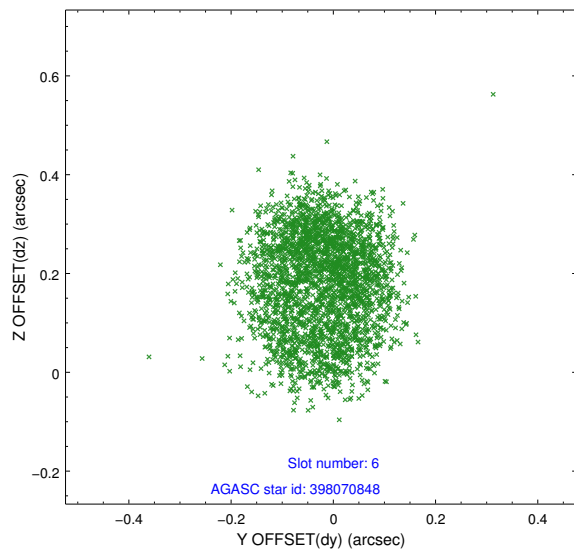
2.4.2 Slot 4



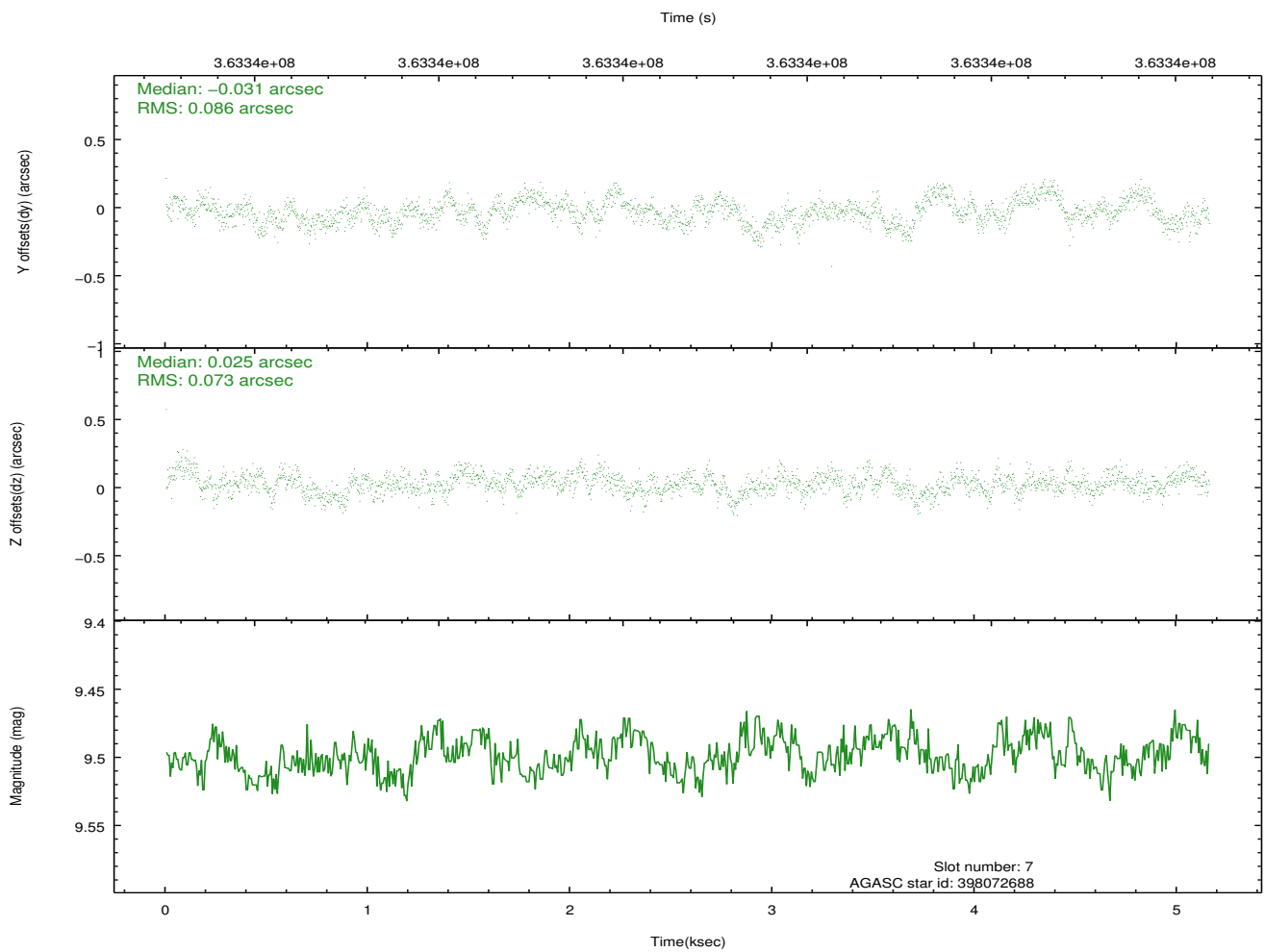
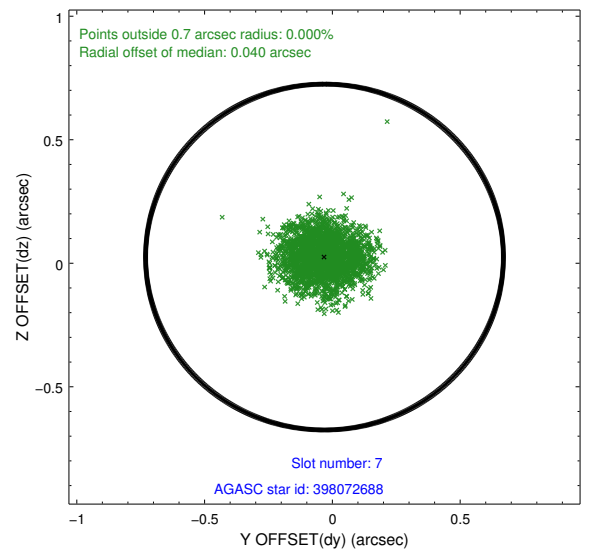
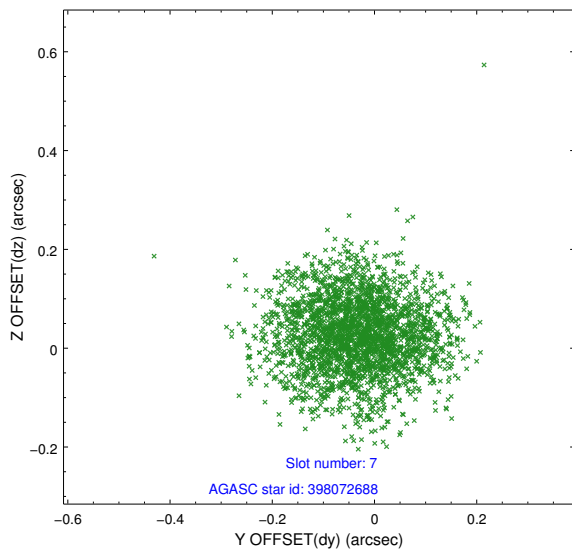
2.4.3 Slot 5



2.4.4 Slot 6

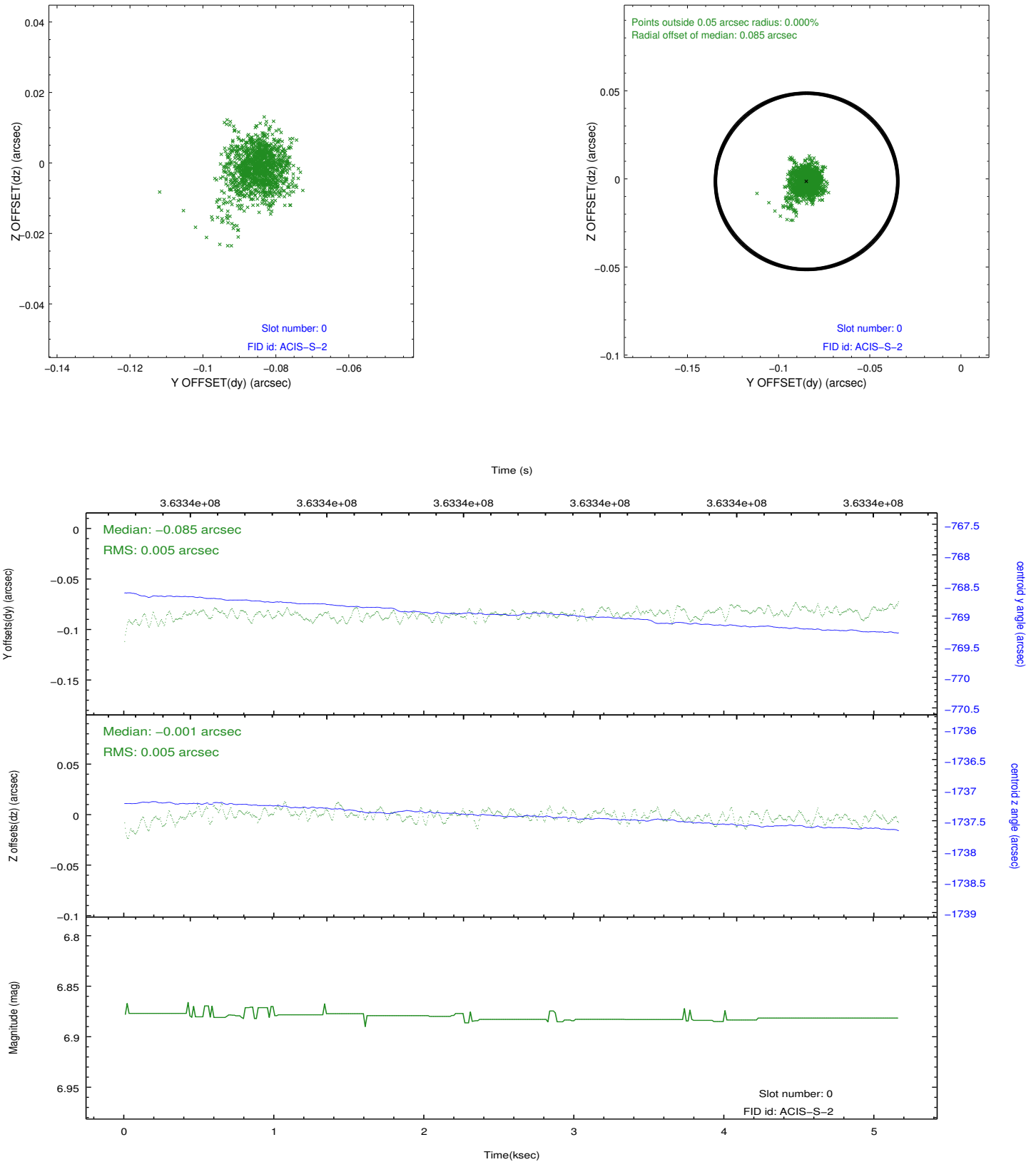


2.4.5 Slot 7

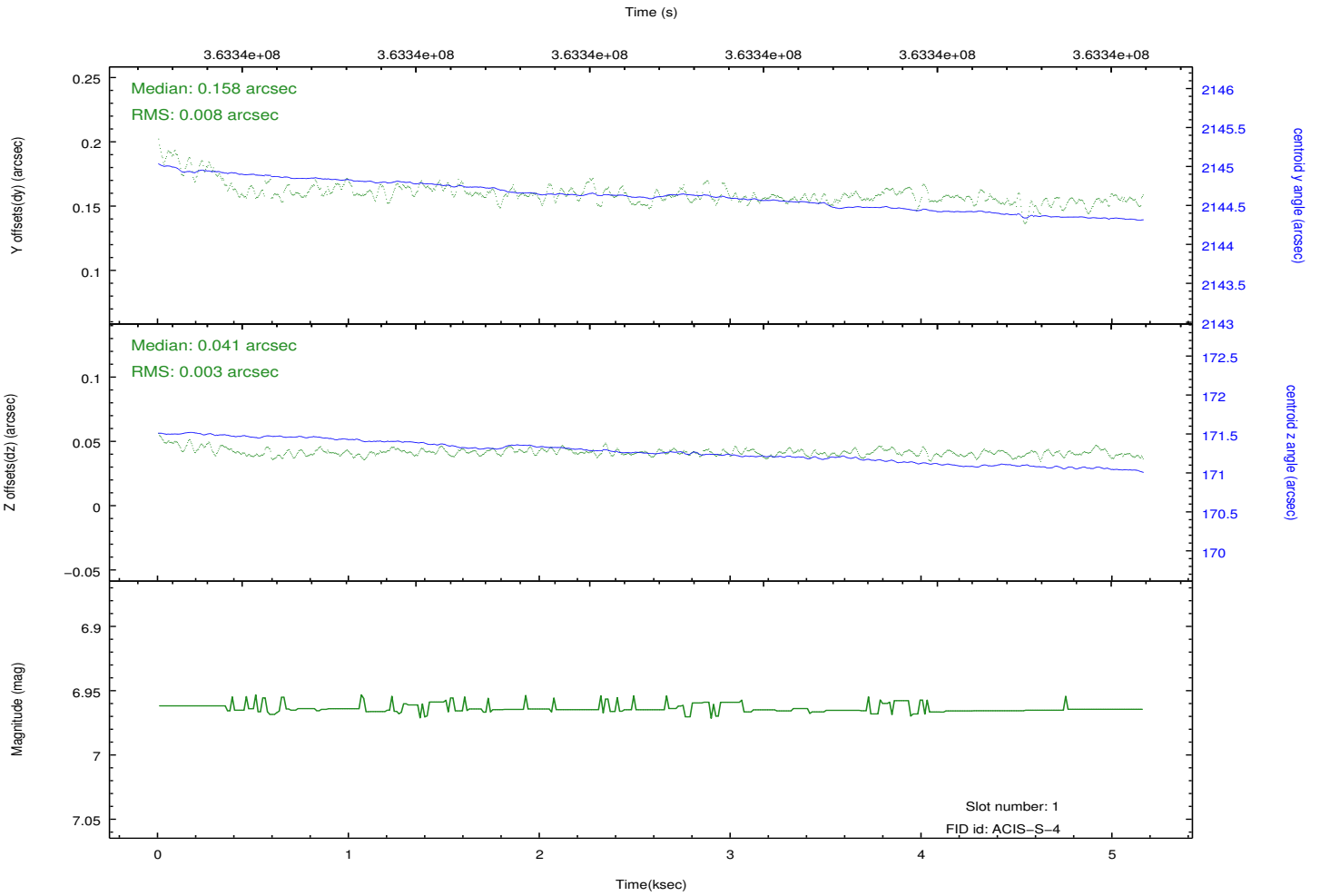
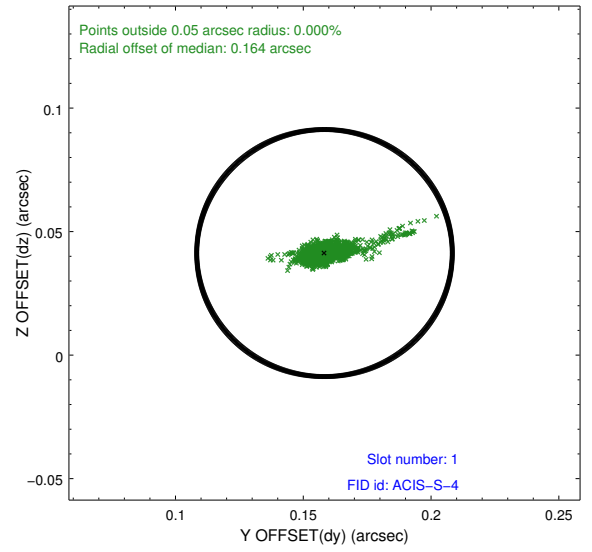
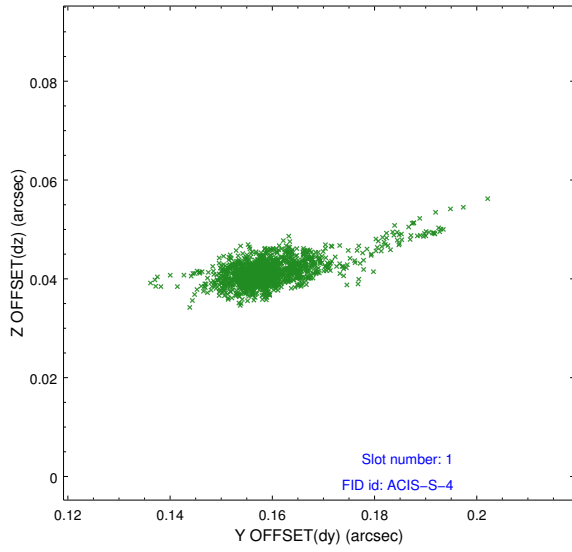


2.5 FID Slots

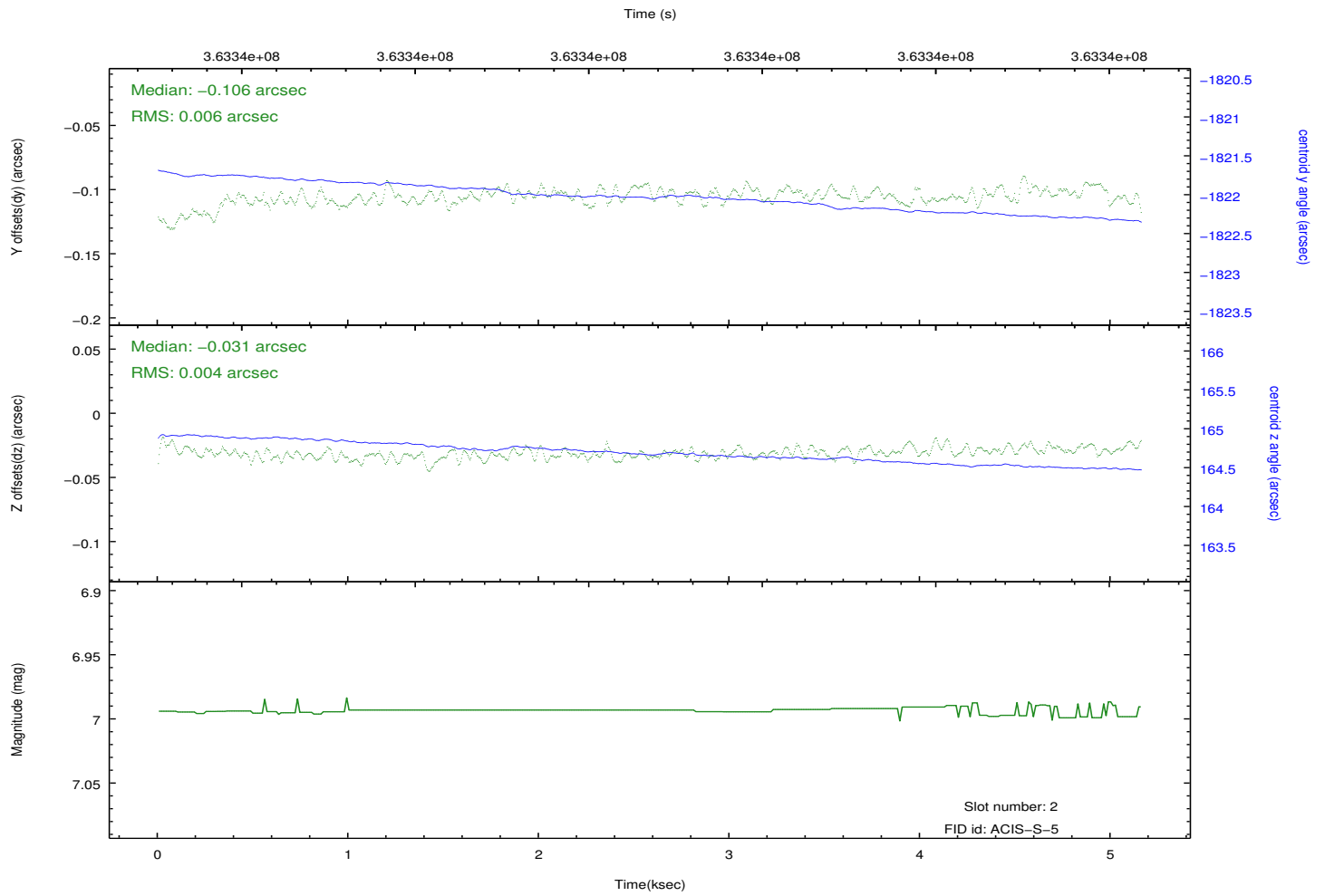
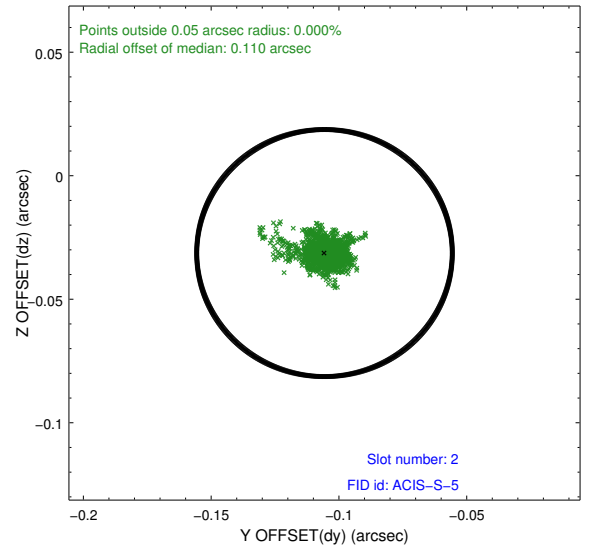
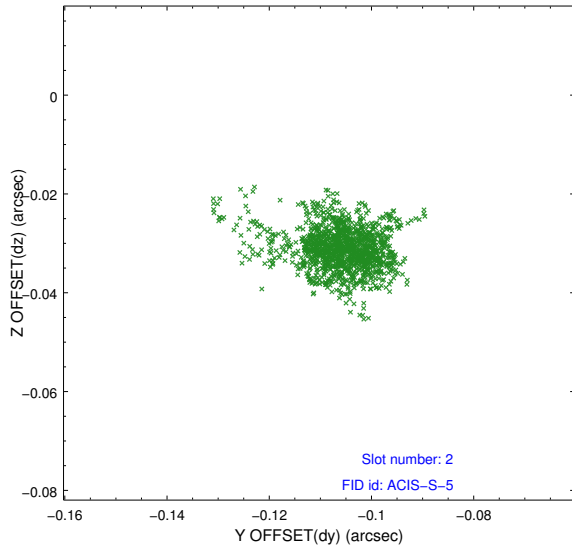
2.5.1 Slot 0



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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15530003

A.2 Comments