

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6691 - L2 Version 2
Chandra X-Ray Center

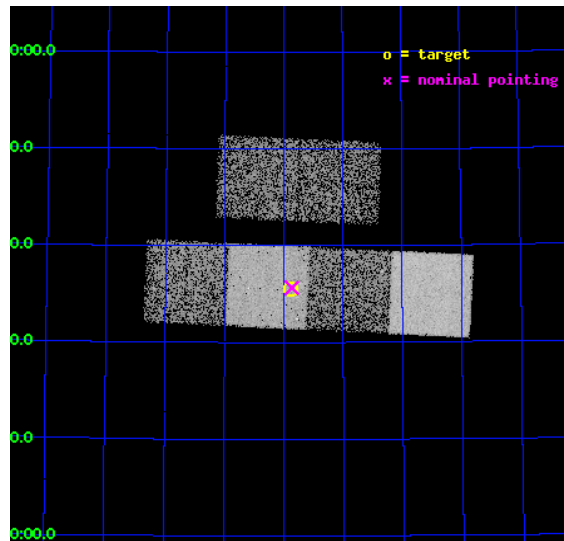
L2 Processing Date : Apr 7 2012

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1 Front

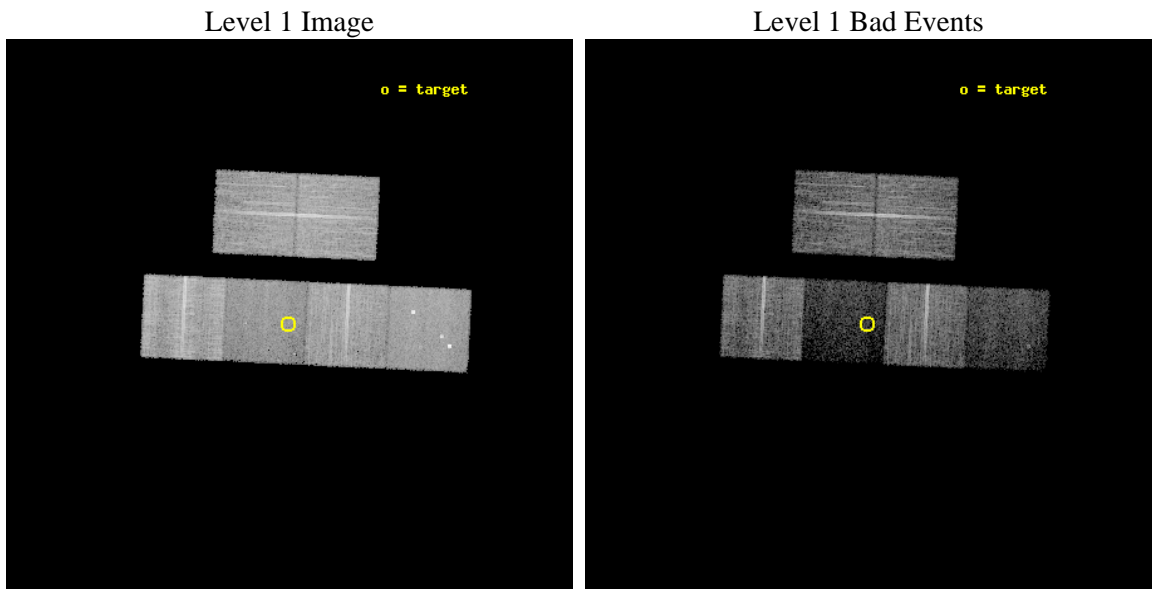
seq_num	500642	Sequence number
obs_id	6691	Observation id
title	The Guitar Nebula: A Bow Shock that Traces ISM Turbulence and Accelerates Relativistic Particles	Proposal title
observer	Dr. Shami Chatterjee	Principal investigator
object	B2224+65	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	336.469167	Observer's specified target RA [deg]
dec_targ	65.592583	Observer's specified target Dec [deg]
ra_nom	336.46598270044	Nominal RA [deg]
dec_nom	65.594218741159	Nominal Dec [deg]
roll_nom	182.6595208273	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10099.199962437	Sum of GTIs [s]
livetime	9971.3178115046	Livetime [s]
ontime2	10095.958992124	Sum of GTIs [s]
ontime3	10095.95898217	Sum of GTIs [s]
ontime5	10099.199962437	Sum of GTIs [s]
ontime6	10099.199962437	Sum of GTIs [s]
ontime7	10099.199962437	Sum of GTIs [s]
ontime8	10095.959061742	Sum of GTIs [s]
l2events	70054	Number of level 2 events



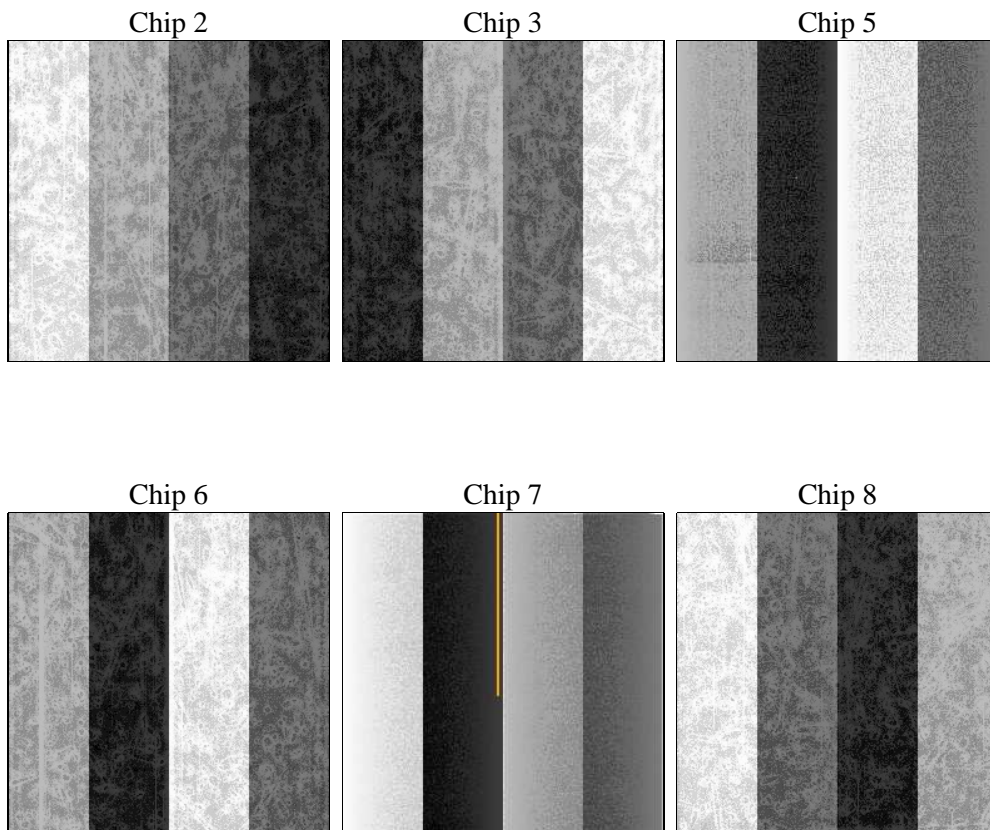
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	10099.199962437	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	10095.958992124	Sum of GTIs [s]
date	2012-04-08T01:23:48	Date and time of file creation	ontime3	10095.95898217	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10099.199962437	Sum of GTIs [s]
			ontime6	10099.199962437	Sum of GTIs [s]
			ontime7	10099.199962437	Sum of GTIs [s]
			ontime8	10095.959061742	Sum of GTIs [s]
			l1events	417572	Number of level 1 events

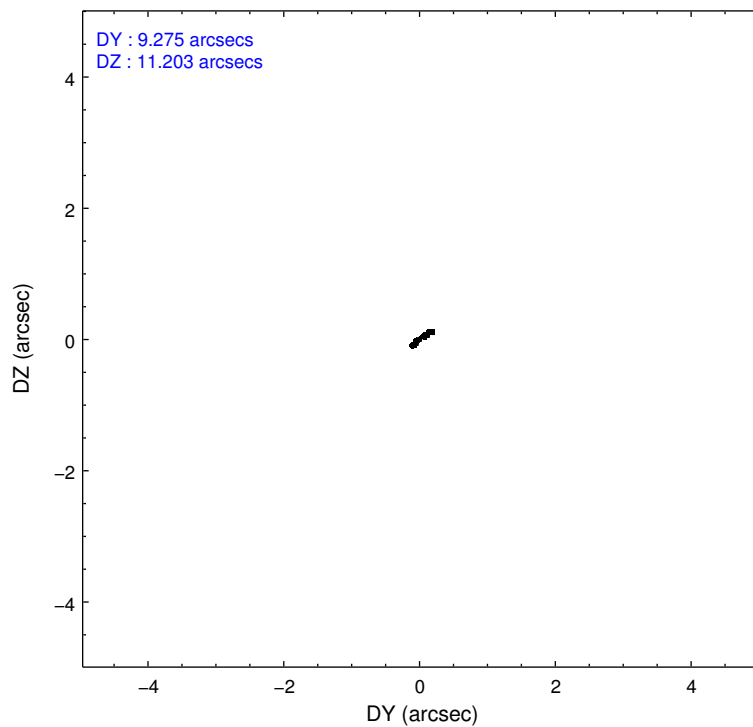
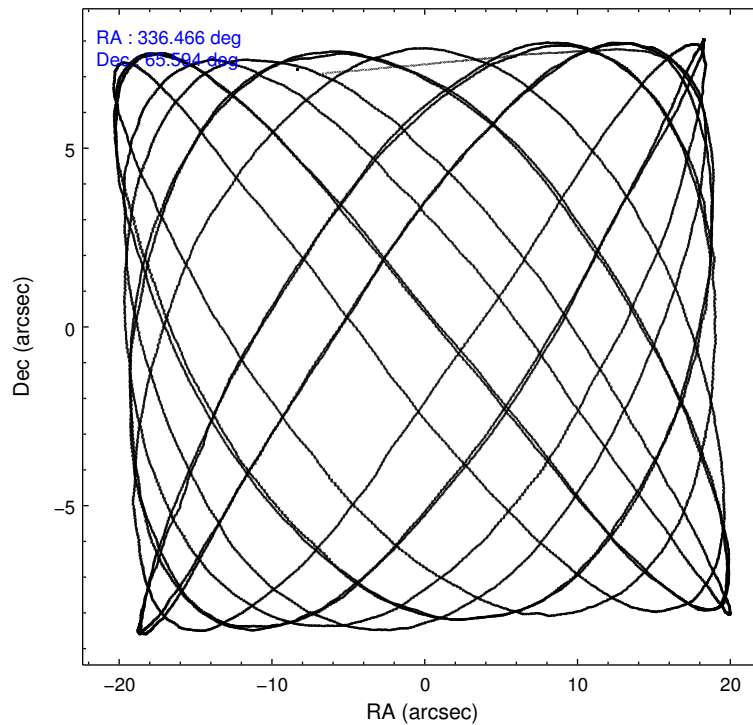
2.1.4 Events

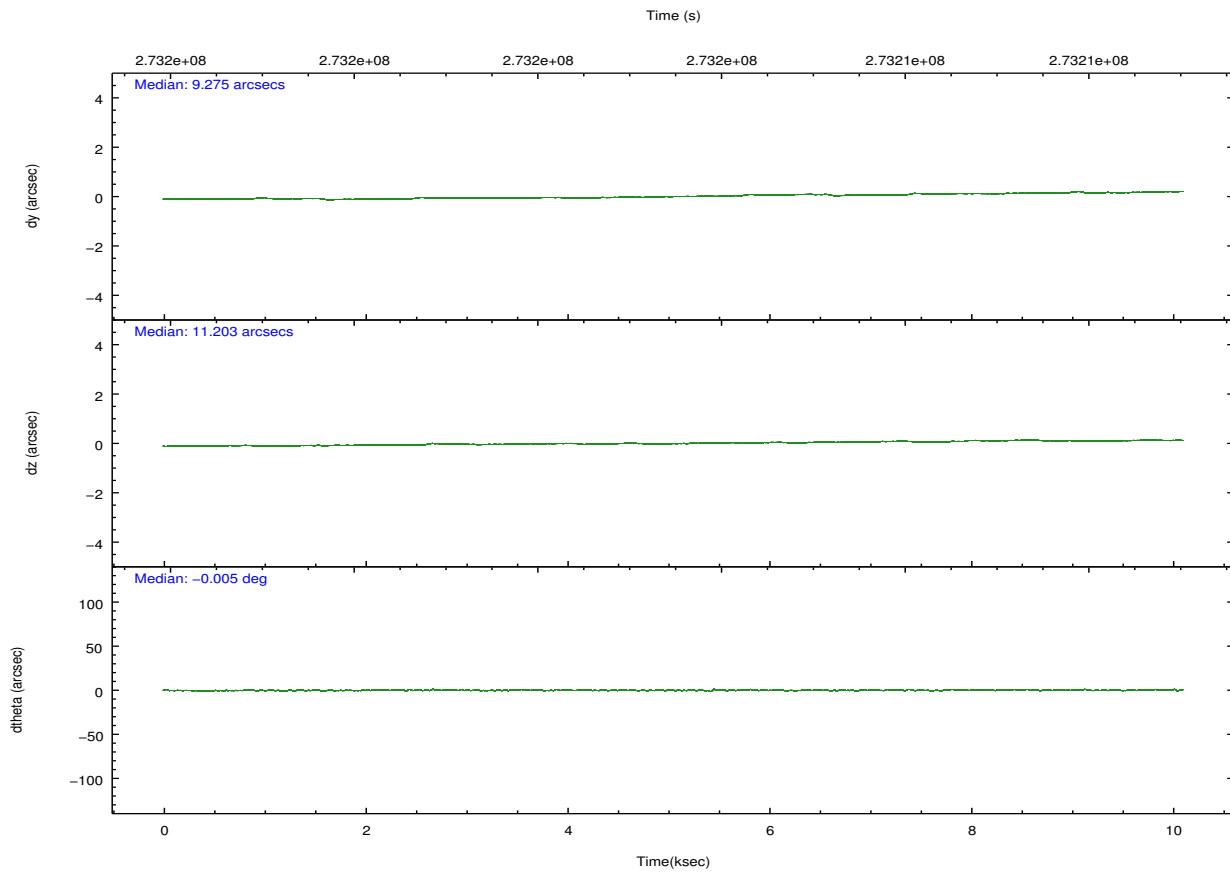
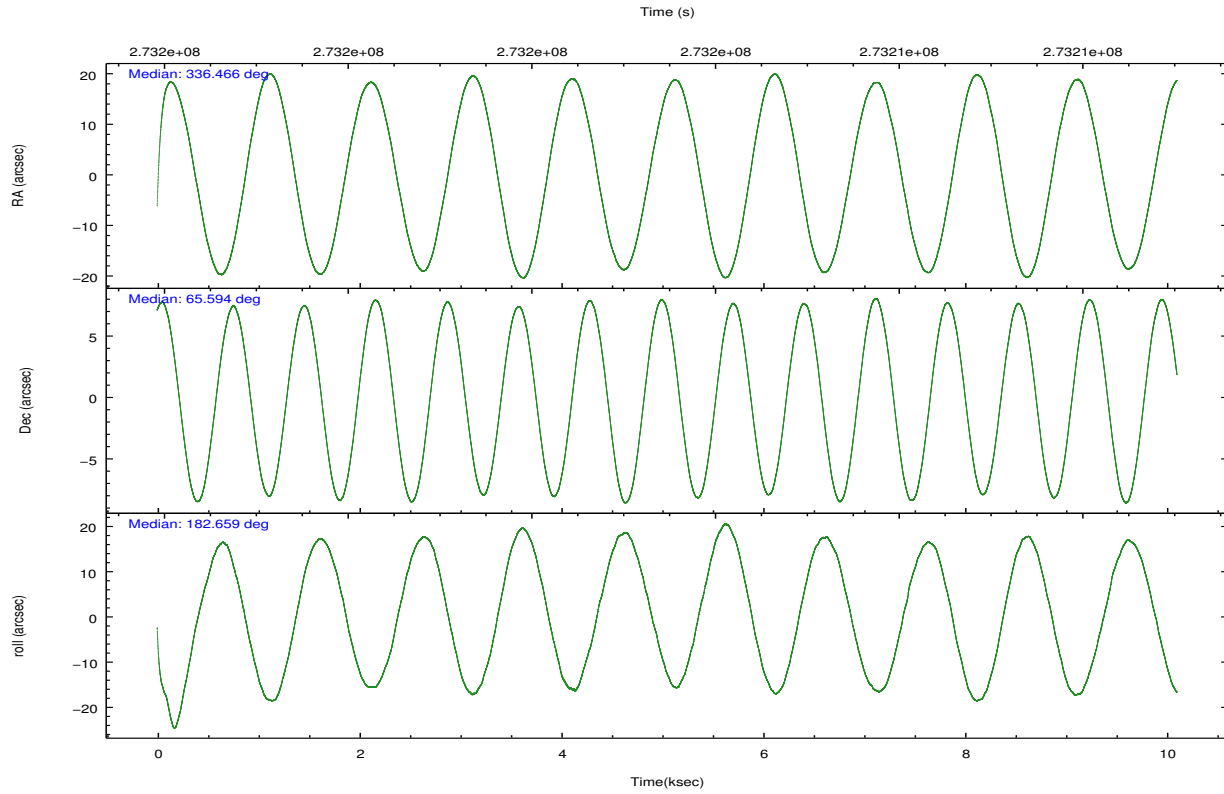
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	80650	68813	65663	71915	42339	88192	grade 0 events	2390	2174	6208	2675	2943	6544
rejected events	75382	63920	29894	66174	20716	68207		2%	3%	9%	3%	6%	7%
rejected %	93%	92%	45%	92%	48%	77%	grade 1 events	45	31	214	39	76	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	1497	1143	13378	1422	5957	5056
								1%	1%	20%	1%	14%	5%
							grade 3 events	646	681	2050	694	2567	2706
								0%	0%	3%	0%	6%	3%
							grade 4 events	660	675	1994	696	2599	2472
								0%	0%	3%	0%	6%	2%
							grade 5 events	1089	1430	5397	1509	4565	2515
								1%	2%	8%	2%	10%	2%
							grade 6 events	848	882	16958	1032	10352	5954
								1%	1%	25%	1%	24%	6%
							grade 7 events	73475	61797	19464	63848	13280	62859
								91%	89%	29%	88%	31%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	336.521003	336.4659827004378	Subarray requested	NONE	NONE
[deg] Pointing Dec	65.609186	65.59421874115931	Alternating exposures requested	N	N
[deg] Pointing Roll	182.452796	182.6595208272951	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	273198525.184000	273196830.52059			
Observation start date	2006-08-29T00:27:40	2006-08-29T00:00:30			
[s] Observation end time (MET)	273208525.184000	273209359.09618			
Observation end date	2006-08-29T03:14:20	2006-08-29T03:29:19			
Read mode	TIMED	TIMED			

2.3 Aspect



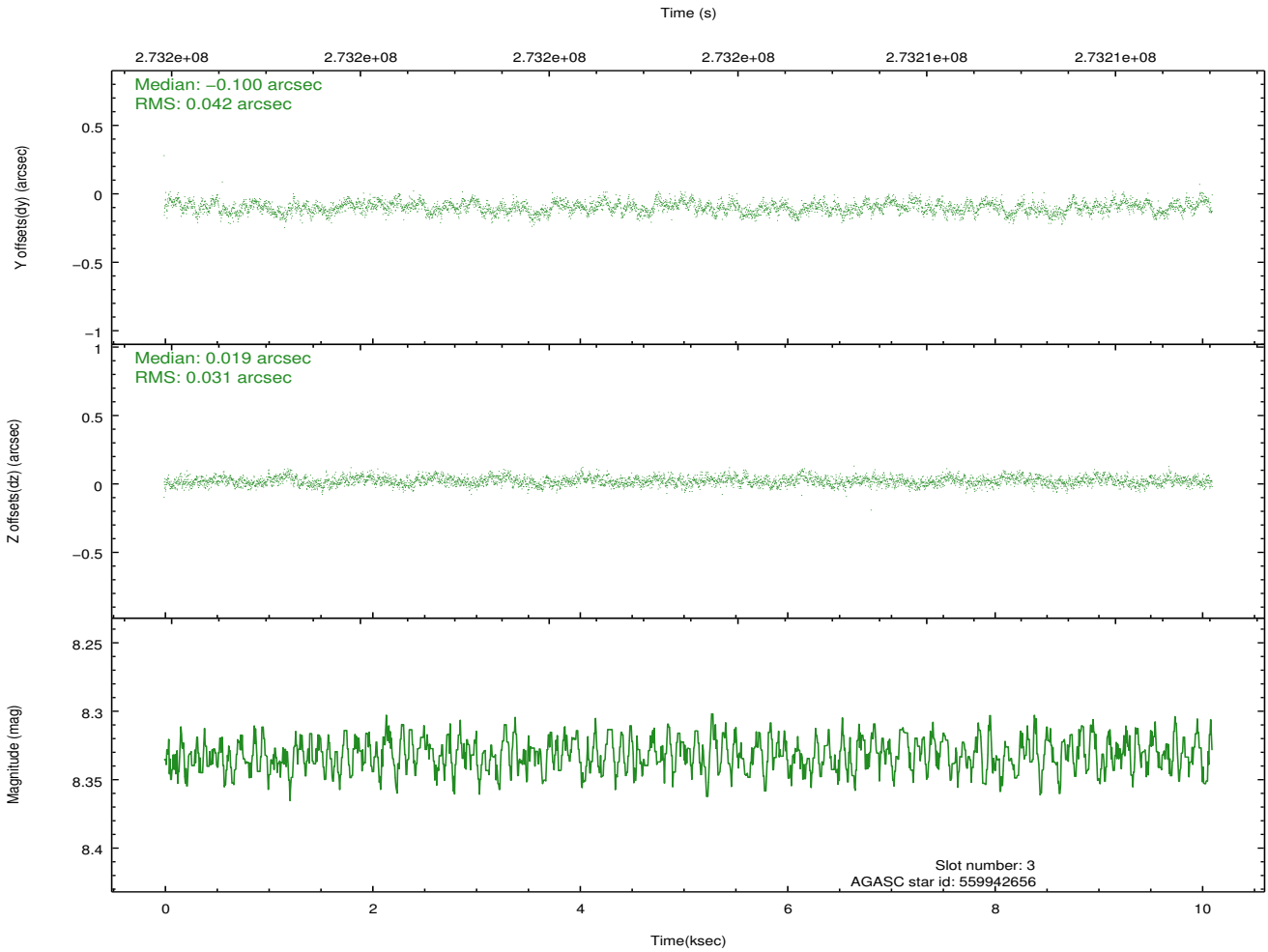
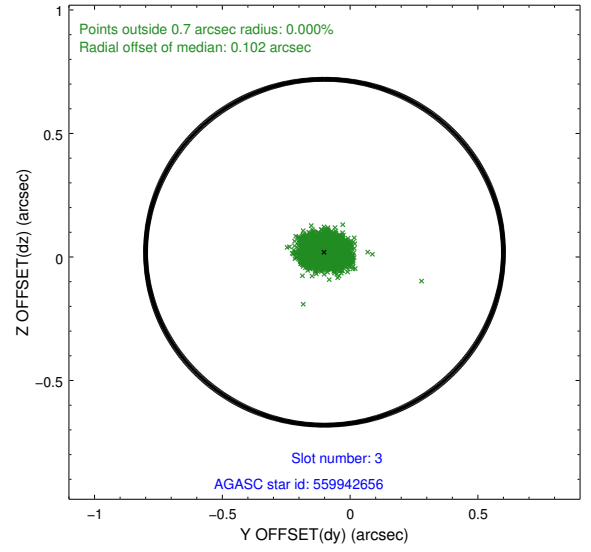
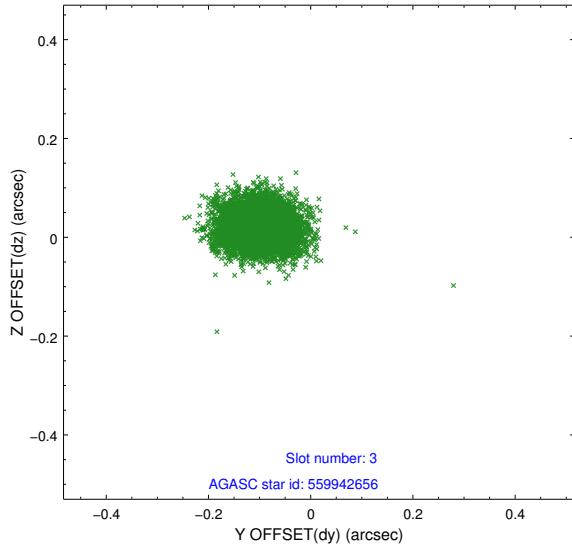


Slot Statistics

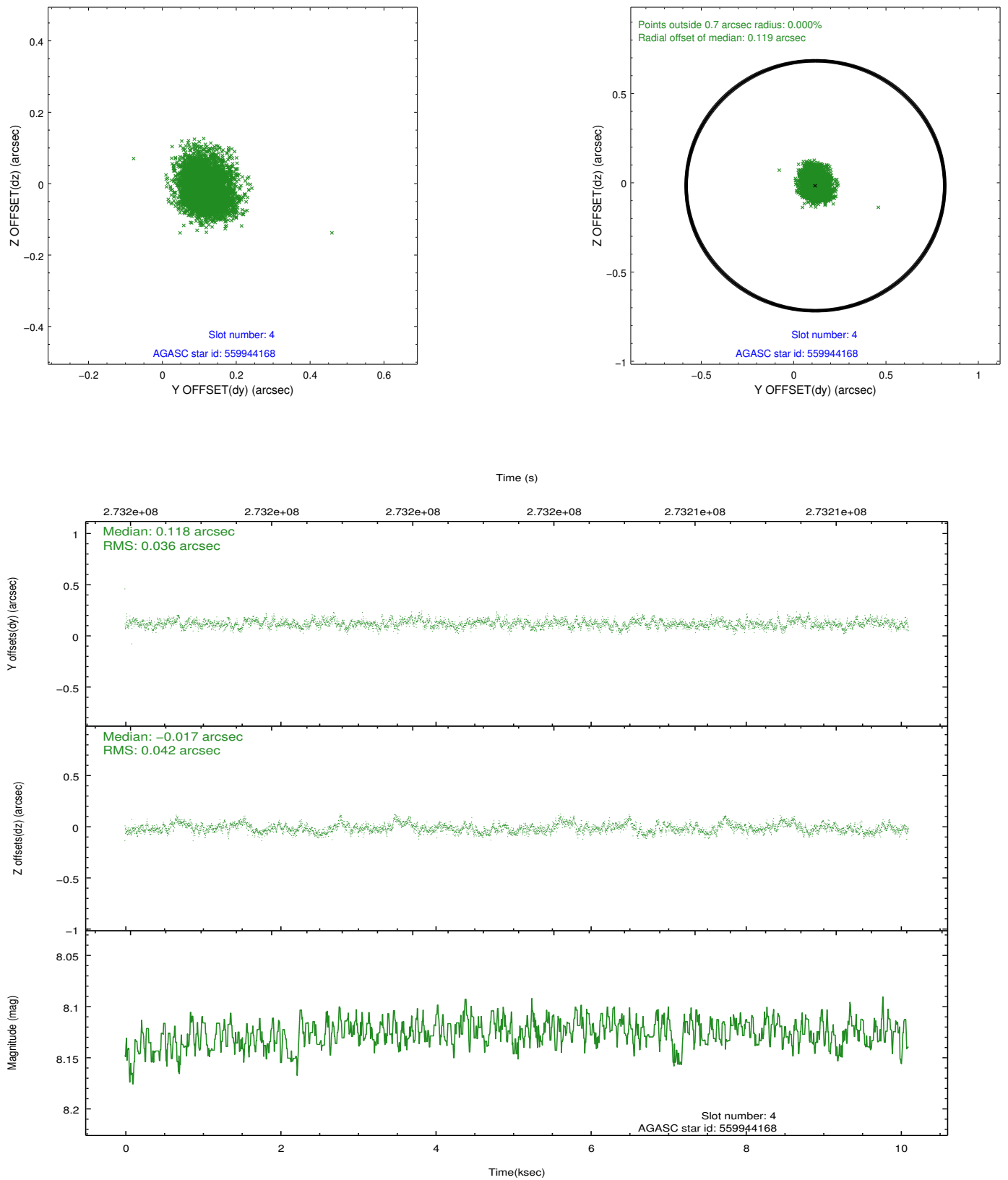
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2465	-0.041	-0.015	0.007	0.011	0.000000	0.000000	-762.12	-1732.46
1	FID	ACIS-S-4	7.21	2465	0.153	0.024	0.006	0.010	0.000000	0.000000	2151.09	175.55
2	FID	ACIS-S-5	7.23	2464	-0.143	-0.001	0.006	0.010	0.000000	0.000000	-1814.42	169.75
3	GUIDE	559942656	8.33	4929	-0.100	0.019	0.055	0.090	335.233249	65.304591	1981.04	993.29
4	GUIDE	559944168	8.13	4930	0.118	-0.017	0.058	0.096	337.323055	65.113328	-1137.41	1828.13
5	GUIDE	559945784	9.08	4891	0.072	-0.049	0.075	0.122	337.878738	65.093988	-1978.16	1919.49
6	GUIDE	559942720	8.89	4926	-0.056	0.032	0.082	0.132	335.954957	65.313508	895.23	1023.86
7	GUIDE	559941872	7.74	4929	-0.036	0.011	0.062	0.100	336.770906	65.466155	-351.21	530.21

2.4 Star Slots

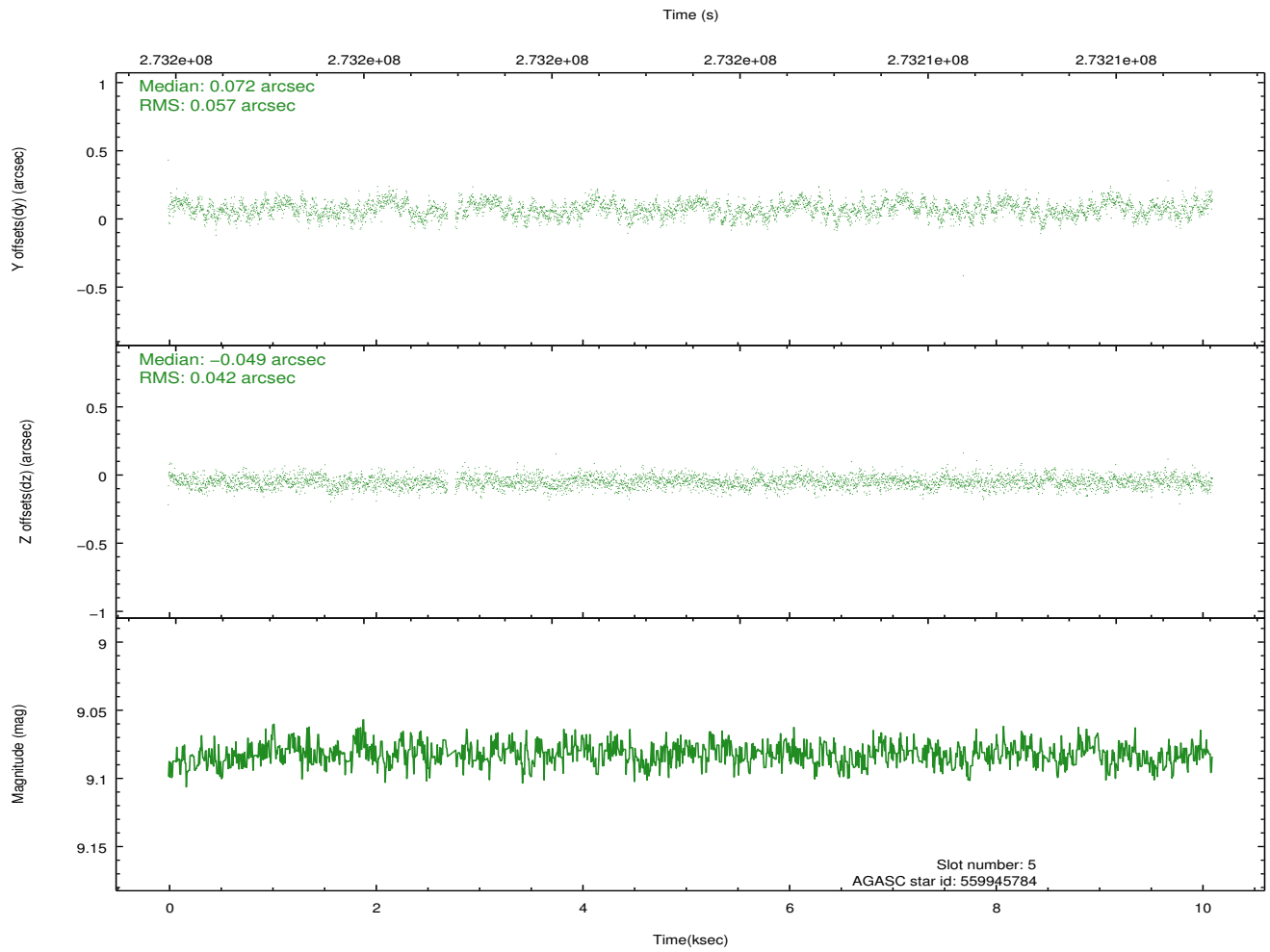
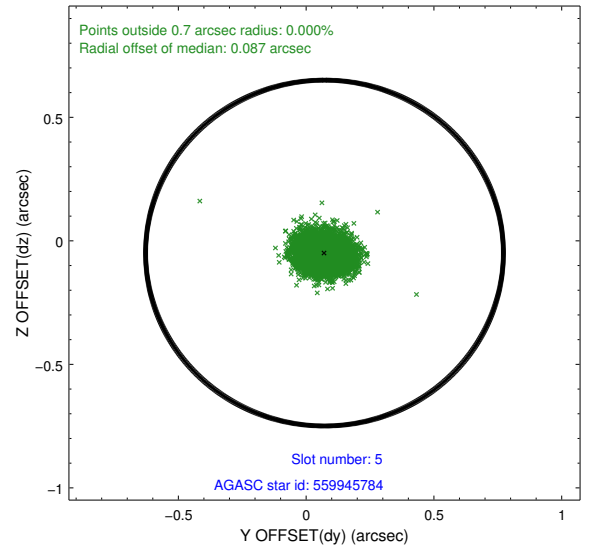
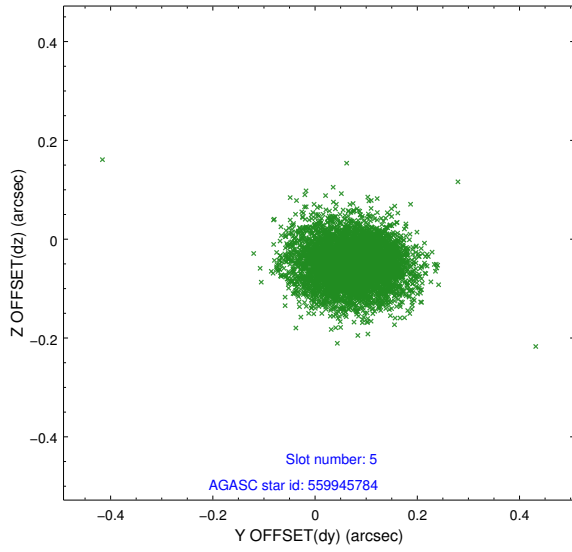
2.4.1 Slot 3



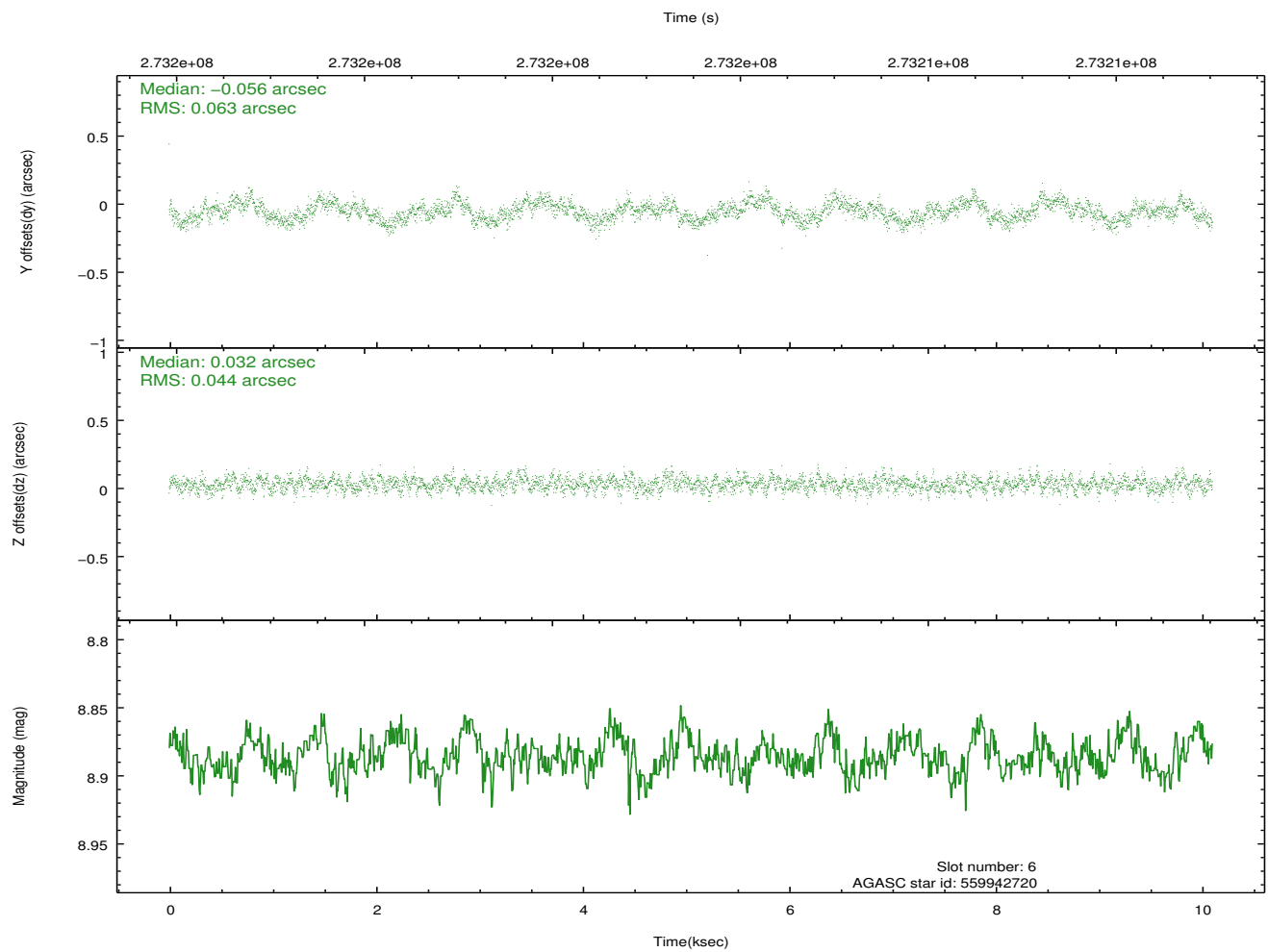
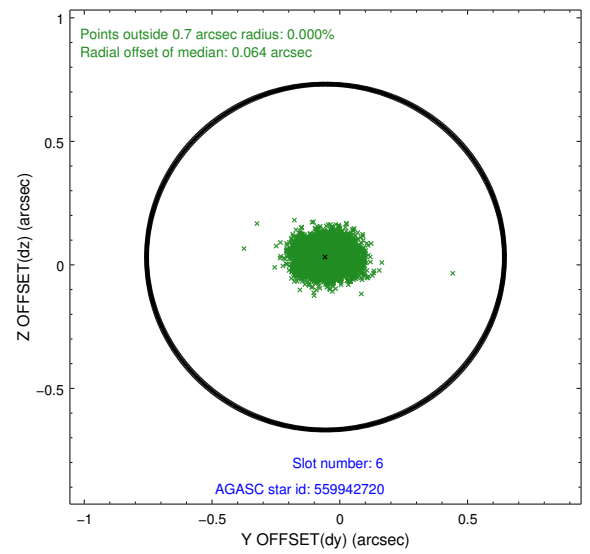
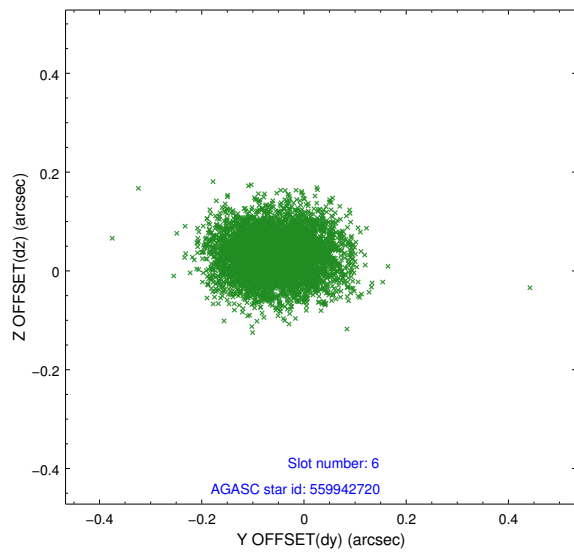
2.4.2 Slot 4



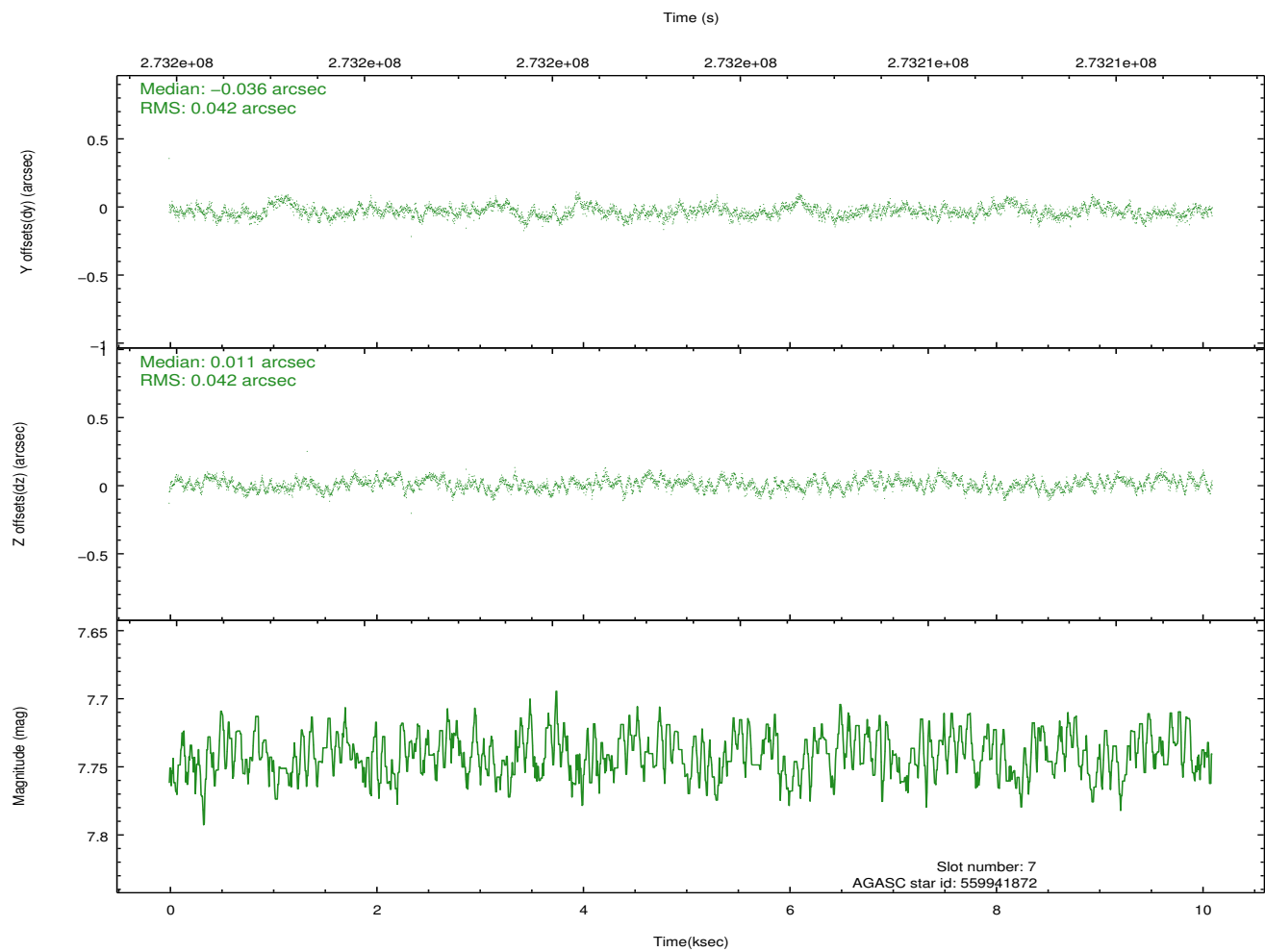
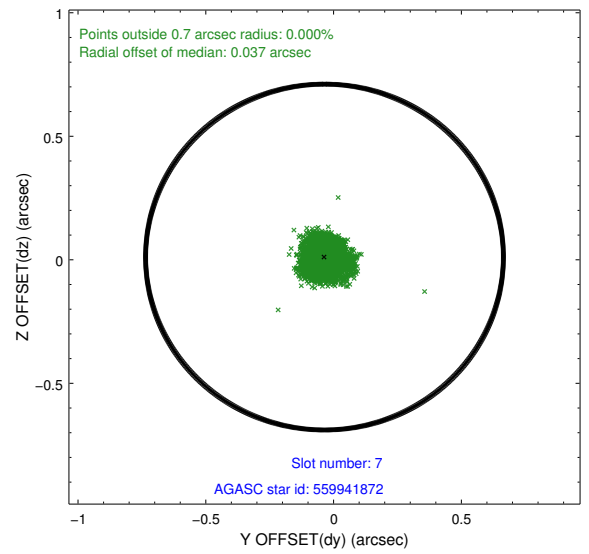
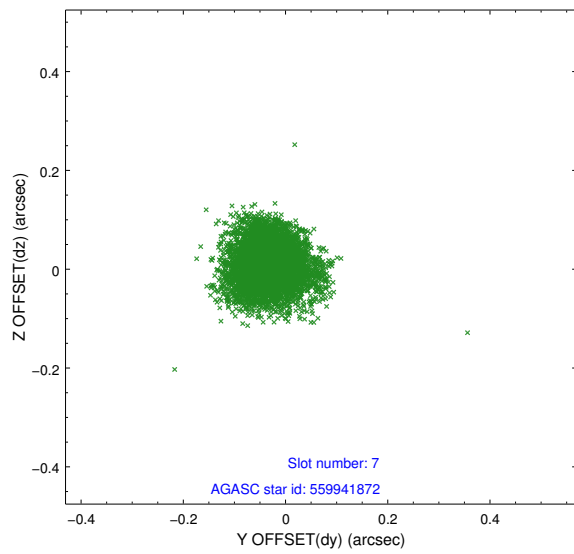
2.4.3 Slot 5



2.4.4 Slot 6

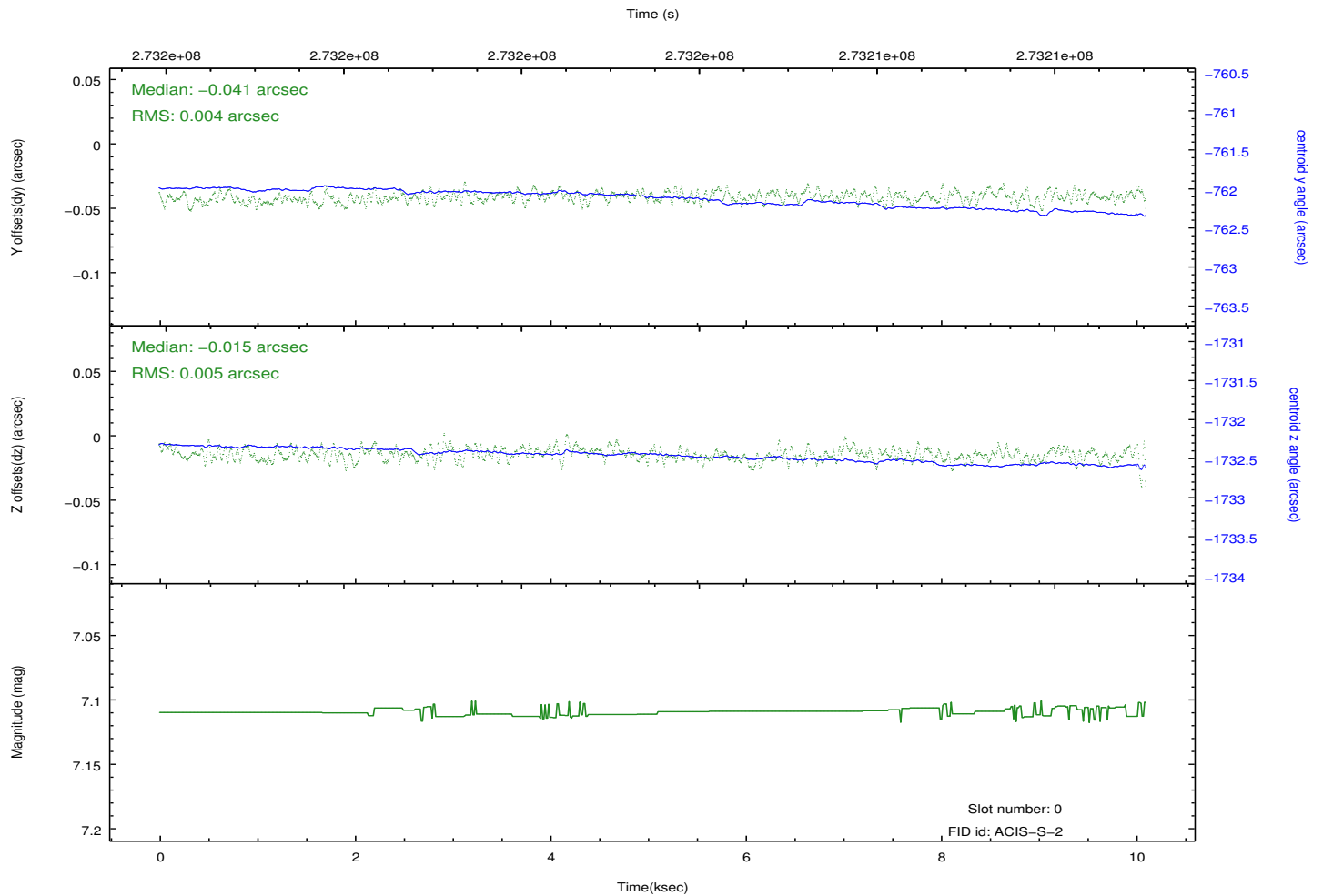
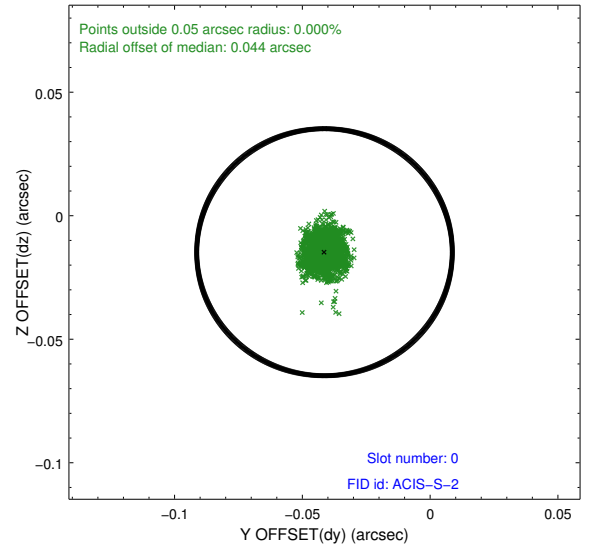
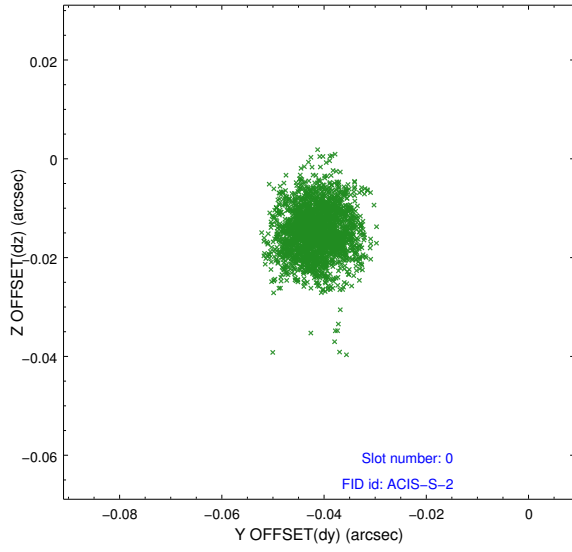


2.4.5 Slot 7

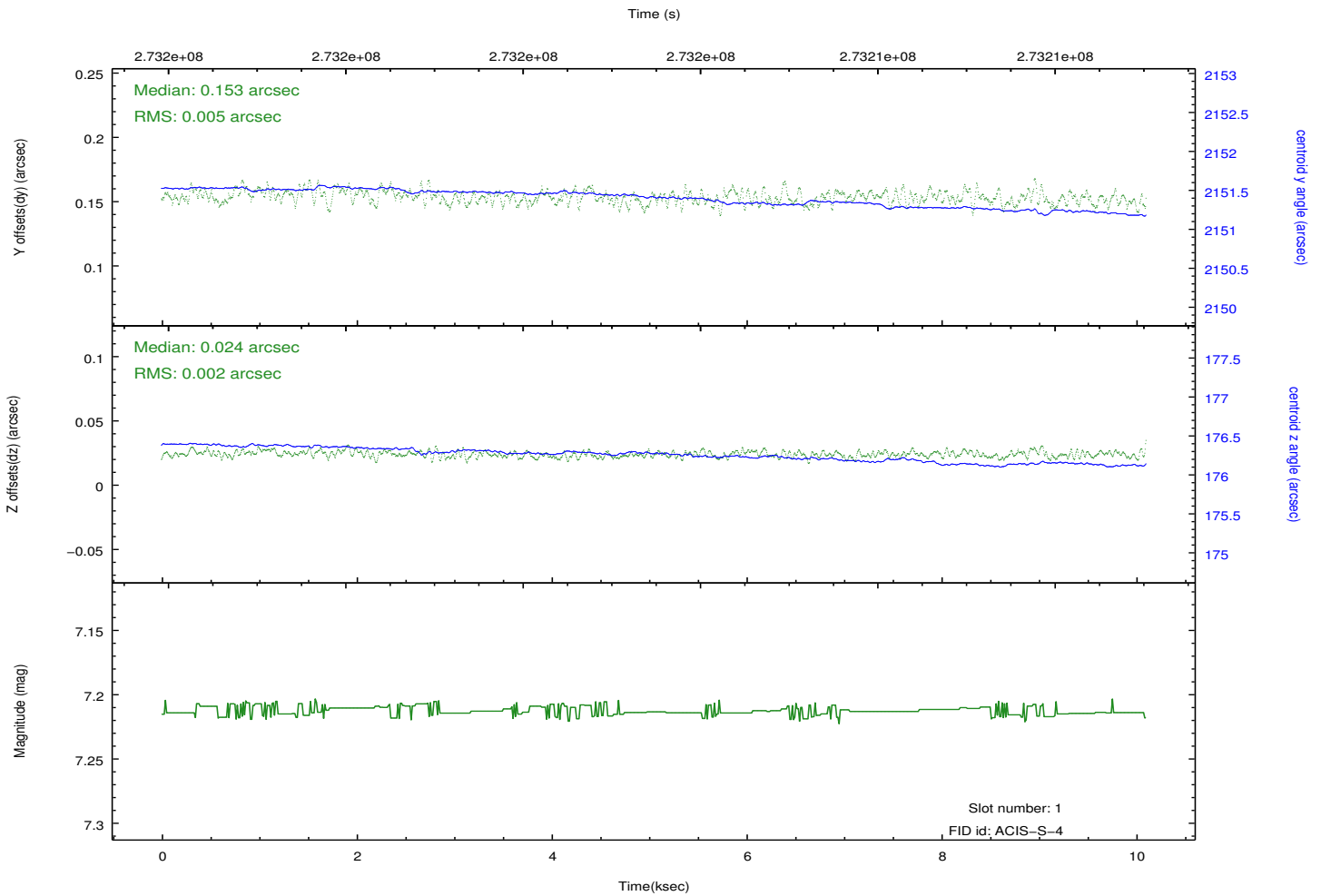
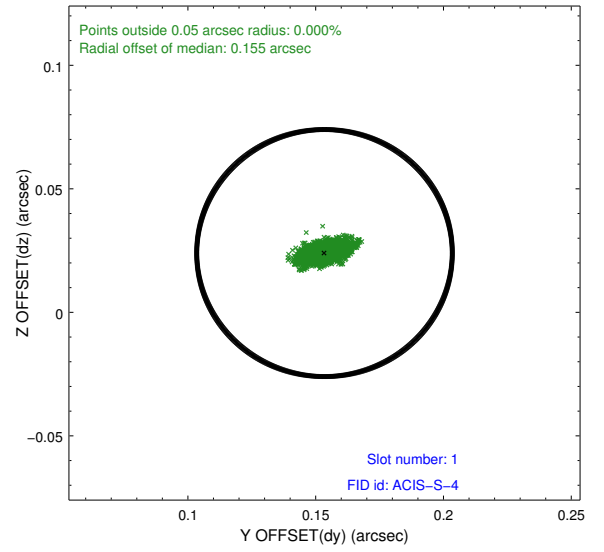
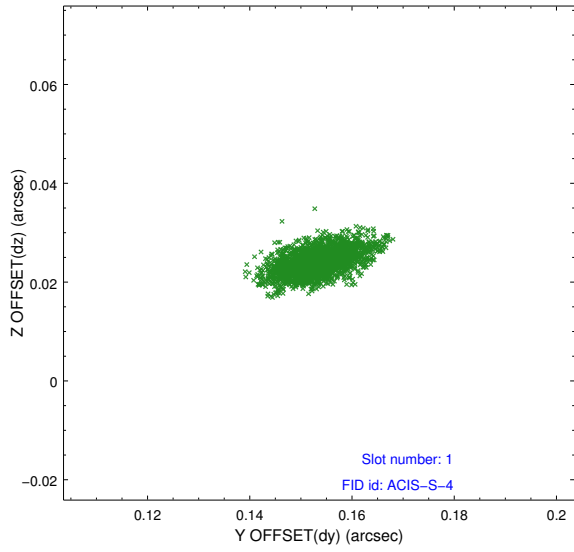


2.5 FID Slots

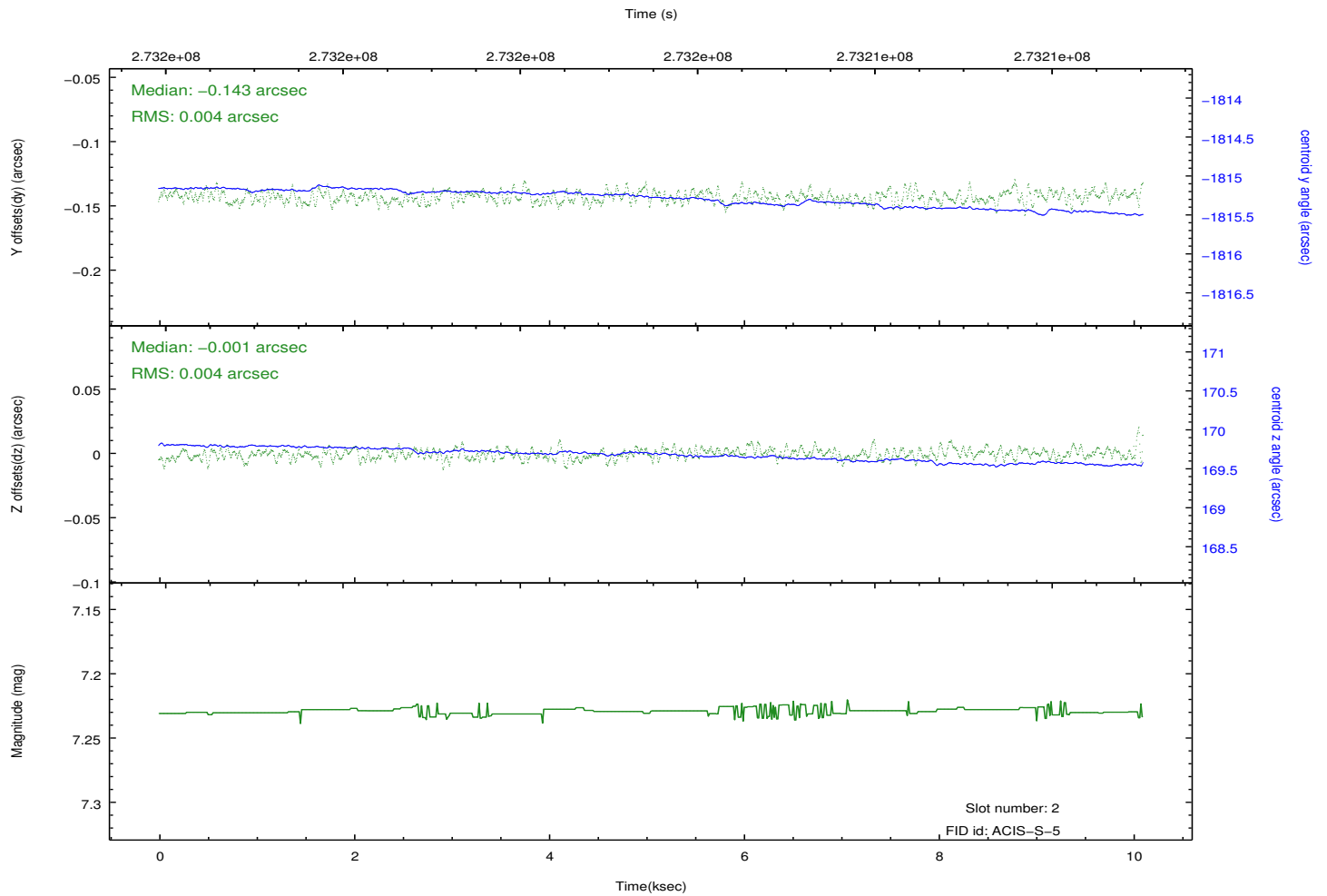
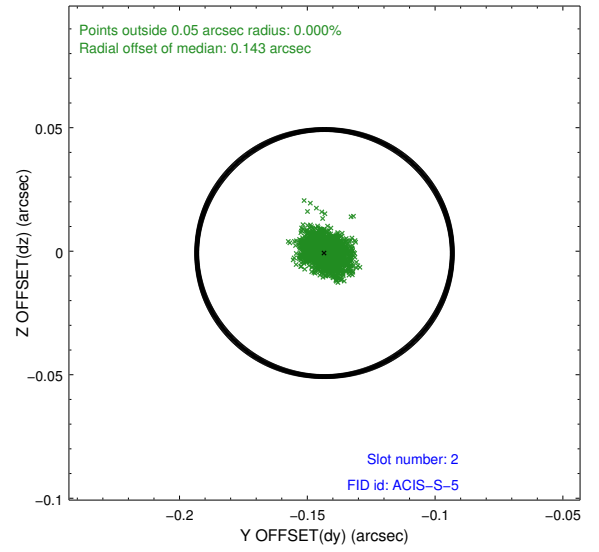
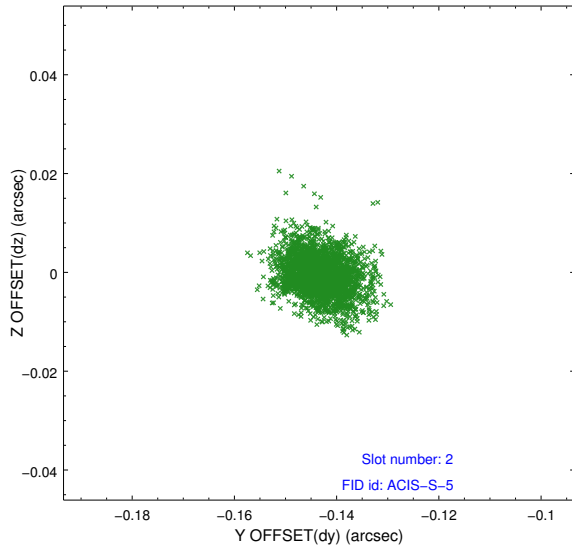
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0991999

A.2 Comments