

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12563 - L2 Version 2
Chandra X-Ray Center

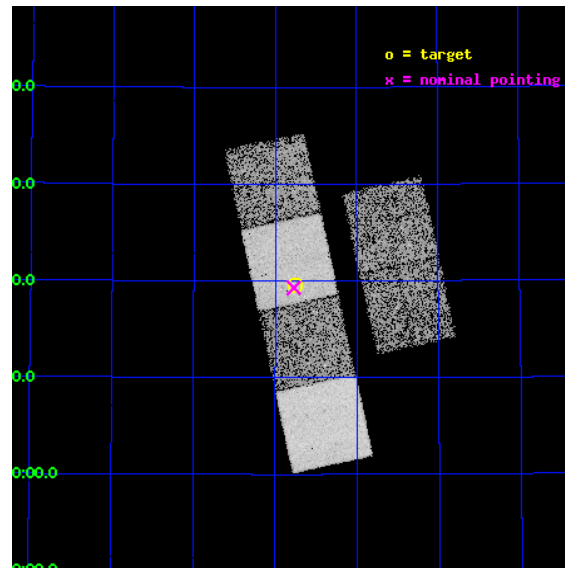
L2 Processing Date : Feb 13 2012

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1 Front

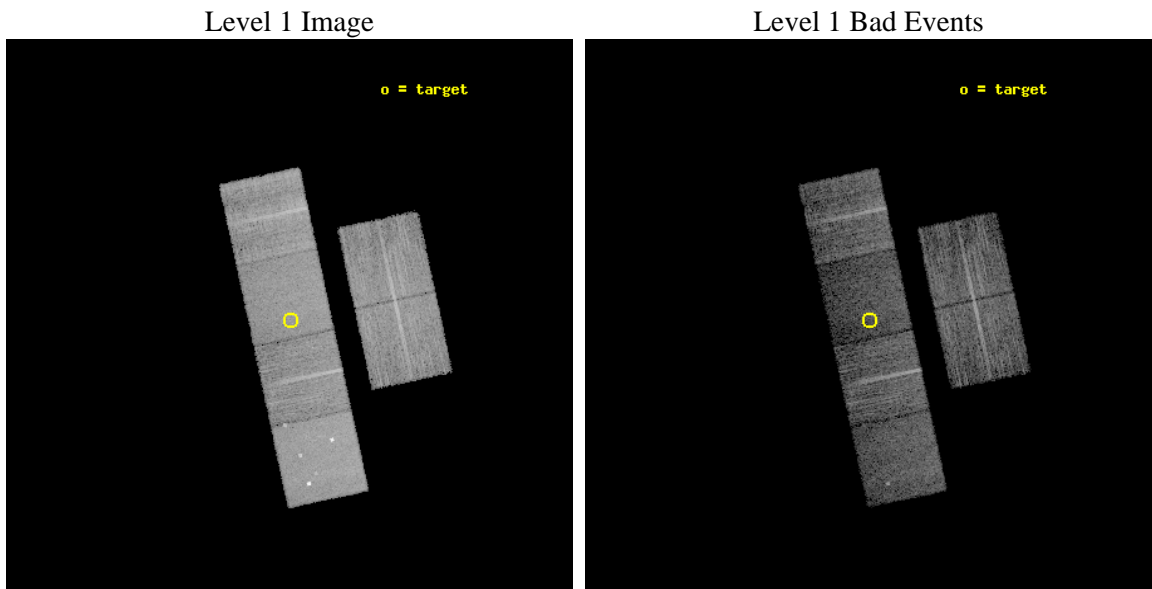
seq_num	501396	Sequence number
obs_id	12563	Observation id
title	Chandra Observations of New X-ray Supernovae	Proposal title
observer	David Pooley	Principal investigator
object	SN 2011by	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.939833	Observer's specified target RA [deg]
dec_targ	55.326061	Observer's specified target Dec [deg]
ra_nom	178.94262512509	Nominal RA [deg]
dec_nom	55.321456767297	Nominal Dec [deg]
roll_nom	257.77892657159	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10056.539003193	Sum of GTIs [s]
livetime	9929.1970510141	Livetime [s]
ontime2	10056.580043197	Sum of GTIs [s]
ontime3	10056.415883183	Sum of GTIs [s]
ontime5	10056.49796319	Sum of GTIs [s]
ontime6	10056.456923187	Sum of GTIs [s]
ontime7	10056.539003193	Sum of GTIs [s]
ontime8	10056.37484318	Sum of GTIs [s]
l2events	89759	Number of level 2 events



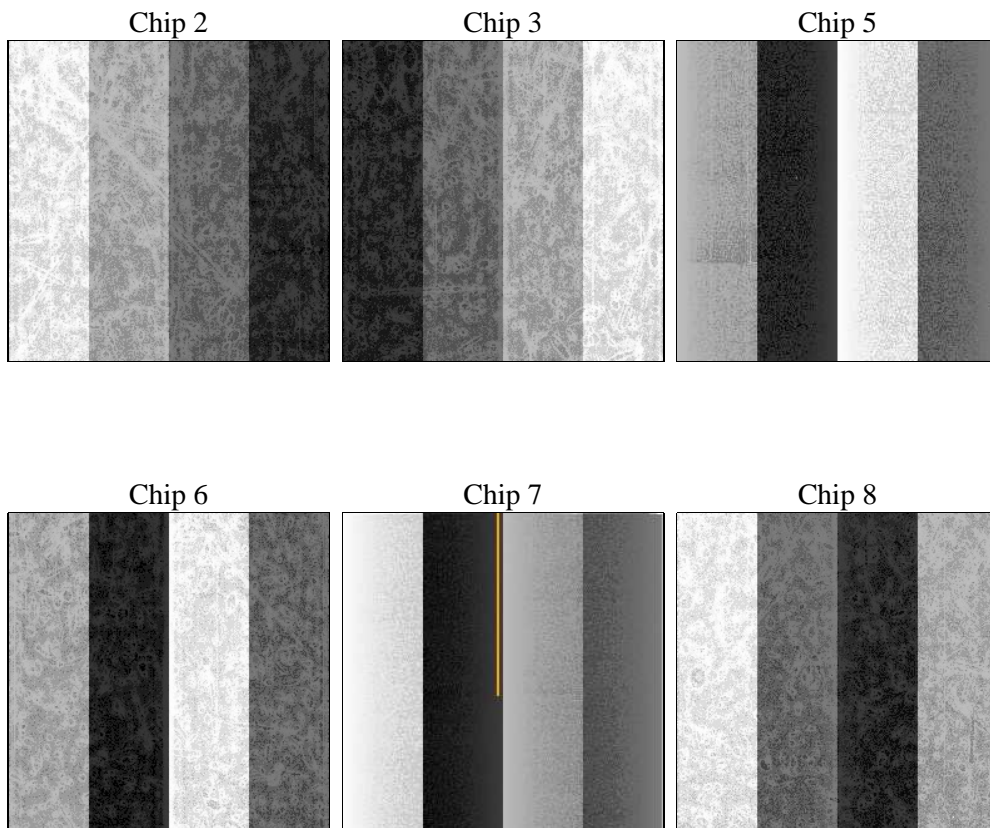
2 OBI

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	Processing system revision	ontime	10056.539003193	Sum of GTIs [s]
caldsver	4.4.7	 	ontime2	10056.580043197	Sum of GTIs [s]
date	2012-02-13T11:09:33	Date and time of file creation	ontime3	10056.415883183	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10056.49796319	Sum of GTIs [s]
			ontime6	10056.456923187	Sum of GTIs [s]
			ontime7	10056.539003193	Sum of GTIs [s]
			ontime8	10056.37484318	Sum of GTIs [s]
			l1events	381405	Number of level 1 events

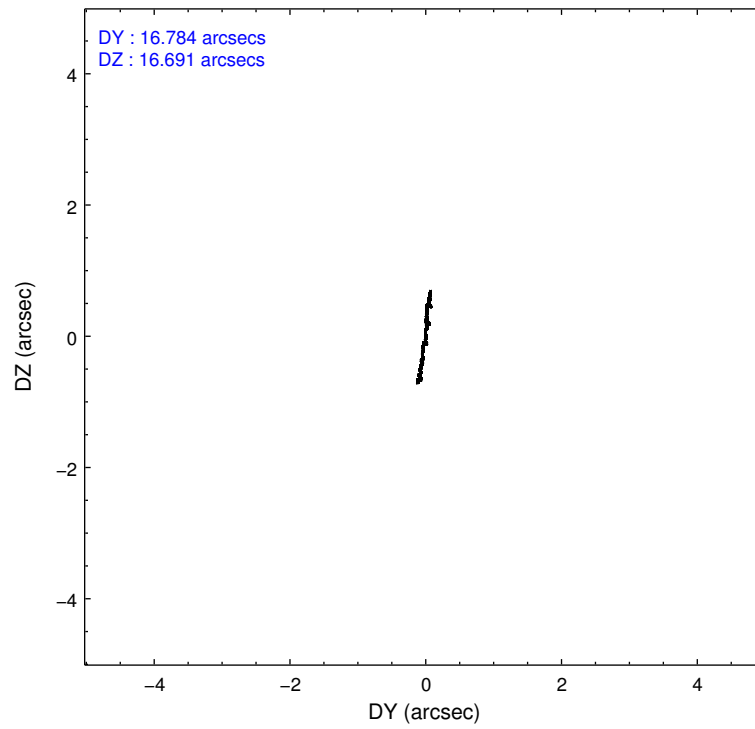
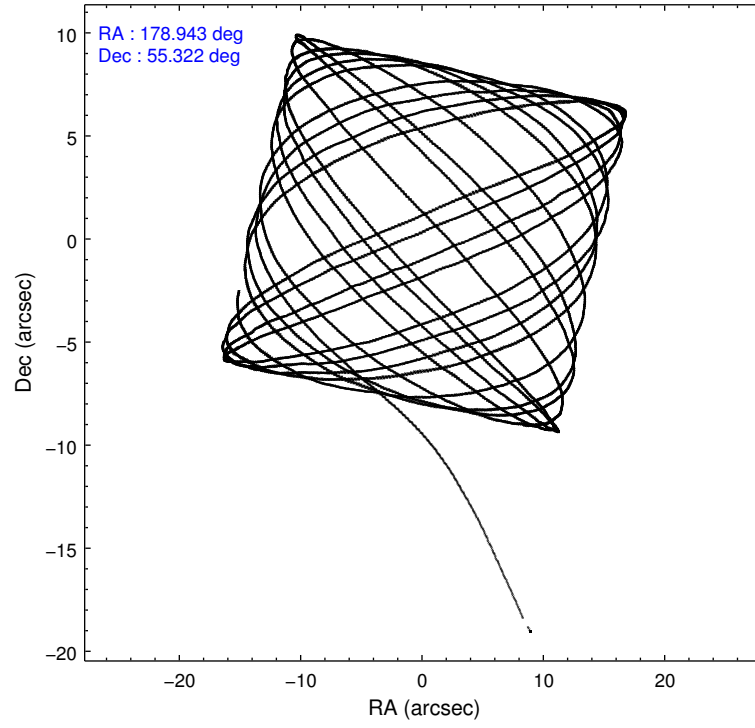
2.1.4 Events

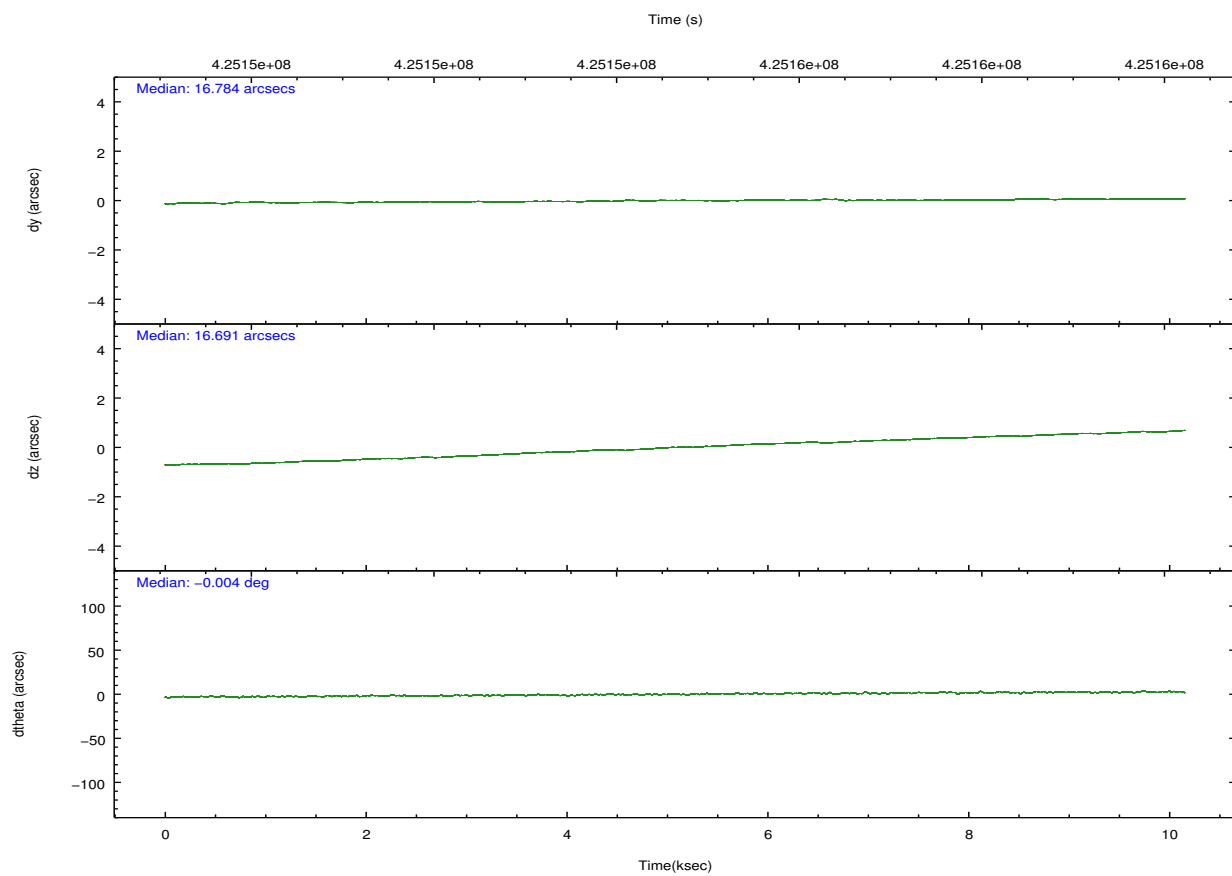
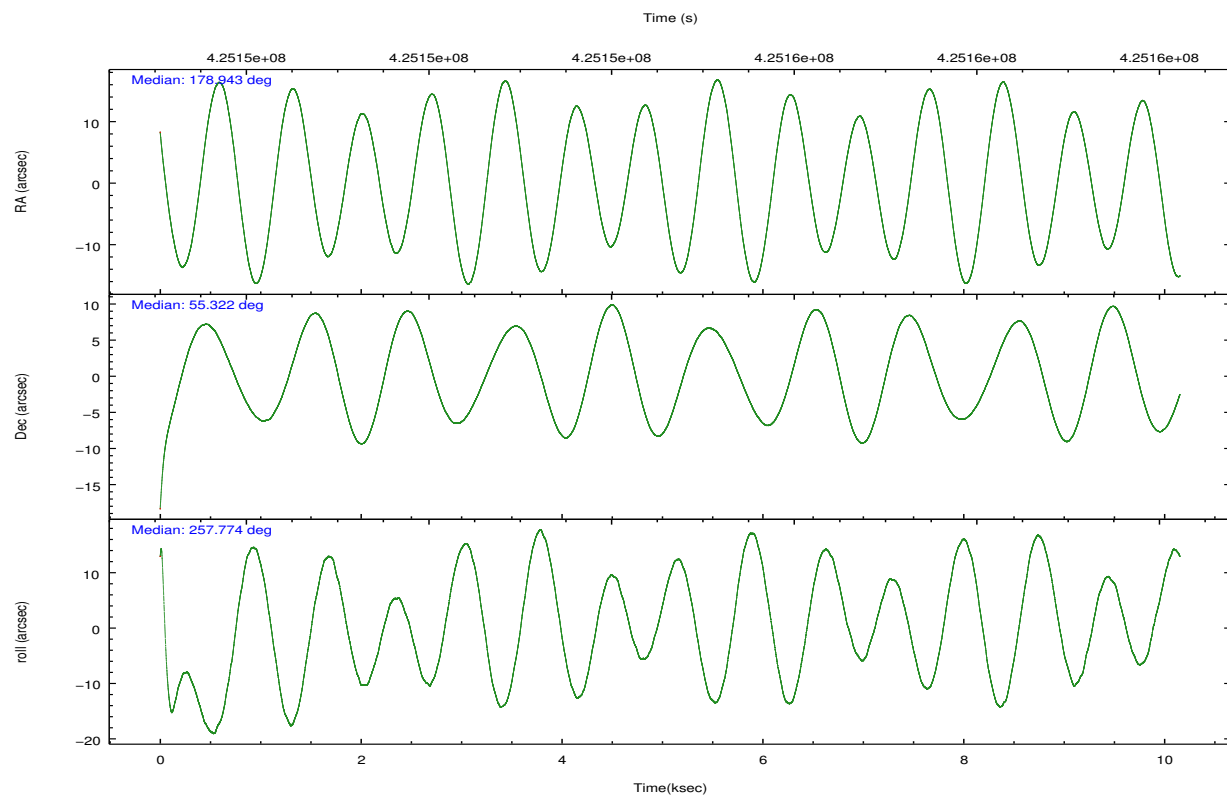
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	56248	54717	85008	54694	61131	69607	grade 0 events	2206	2176	6765	2426	3044	5596
rejected events	50220	48797	38960	48213	31604	50178		3%	3%	7%	4%	4%	8%
rejected %	89%	89%	45%	88%	51%	72%	grade 1 events	35	32	441	47	77	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1489	1326	14411	1428	6306	4545
								2%	2%	16%	2%	10%	6%
							grade 3 events	600	630	1733	645	2684	2165
								1%	1%	2%	1%	4%	3%
							grade 4 events	628	625	1647	644	2595	2034
								1%	1%	1%	1%	4%	2%
							grade 5 events	1957	2236	6277	2311	6583	3492
								3%	4%	7%	4%	10%	5%
							grade 6 events	1105	1164	21508	1342	14909	5092
								1%	2%	25%	2%	24%	7%
							grade 7 events	48228	46528	32226	45851	24933	46635
								85%	85%	37%	83%	40%	66%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	178.927354	178.942625125094	CCD I2 on	O1	Y
[deg] Pointing Dec	55.347412	55.3214567672965	CCD I3 on	O2	Y
[deg] Pointing Roll	257.634798	257.7789265715875	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	Y	Y
[s] Observation start time (MET)	425149719.184000	425148392.80861	CCD S5 on	N	N
Observation start date	2011-06-22T17:07:33	2011-06-22T16:46:32	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	425159719.184000	425160734.83425	On-chip summing requested	N	N
Observation end date	2011-06-22T19:54:13	2011-06-22T20:12:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



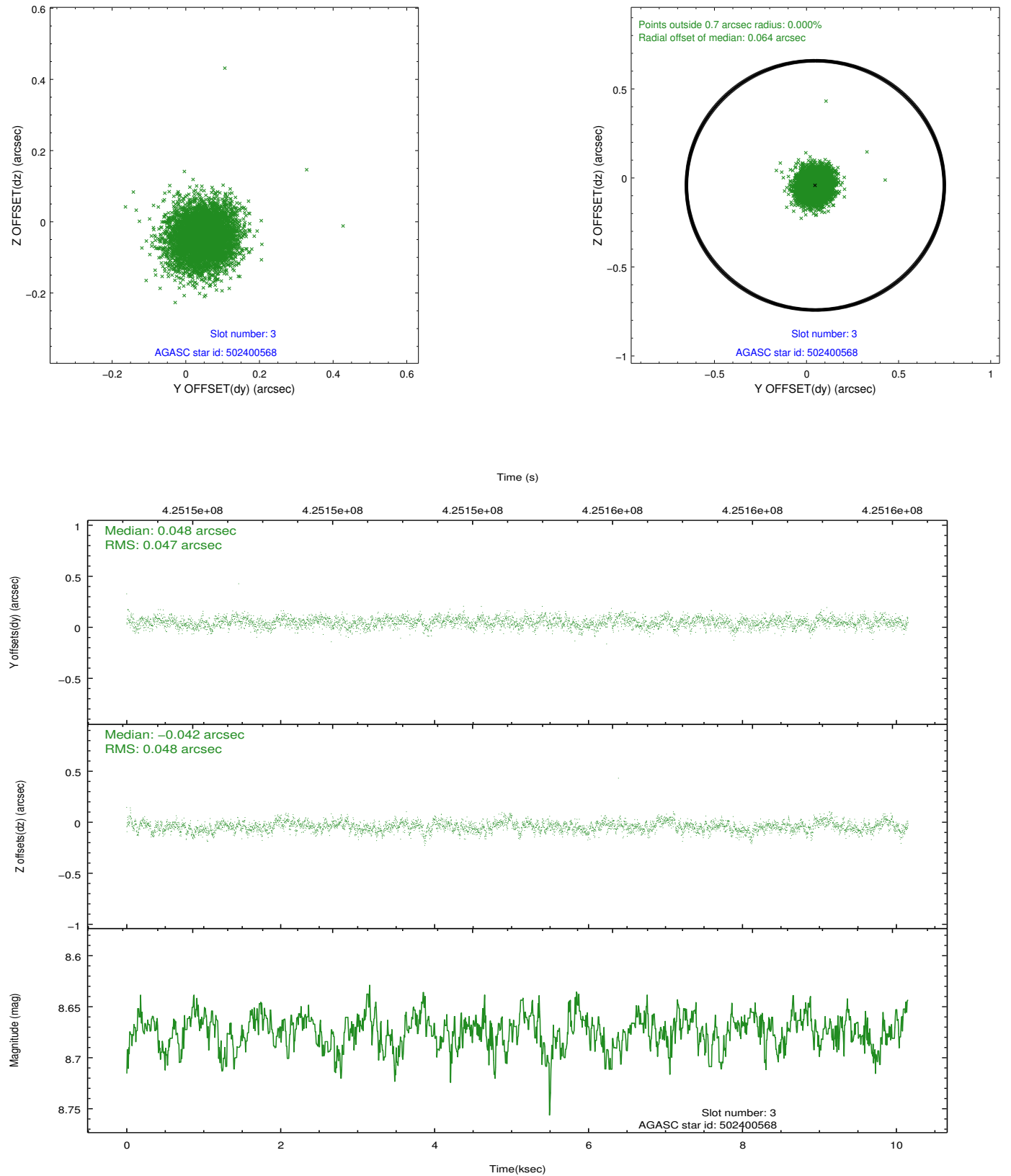


Slot Statistics

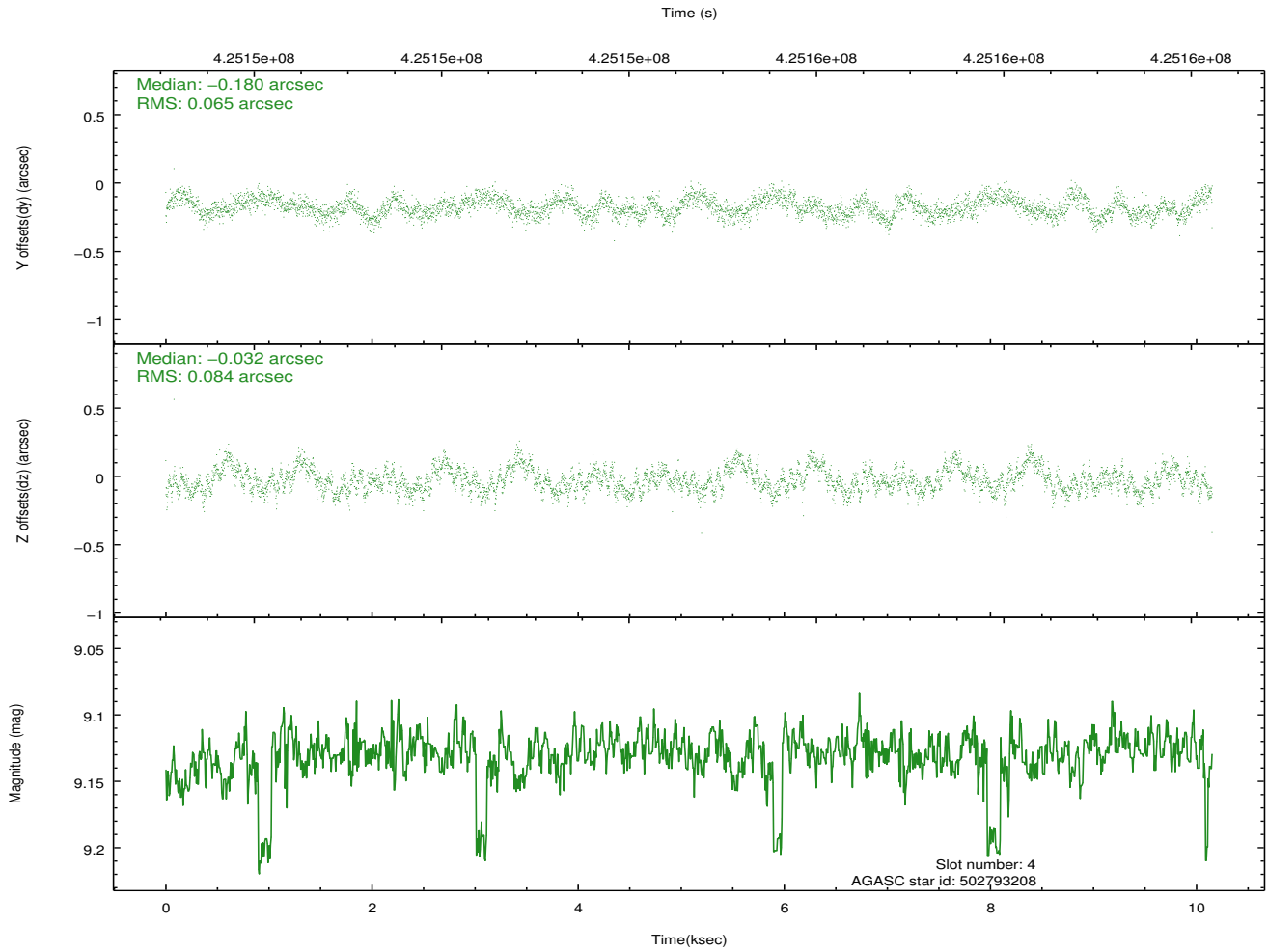
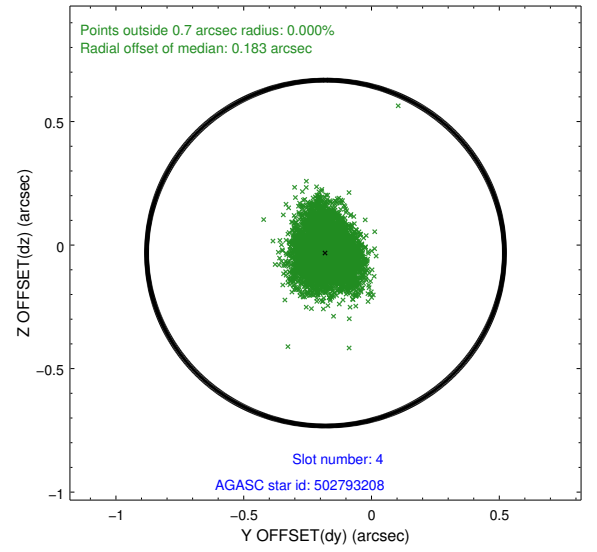
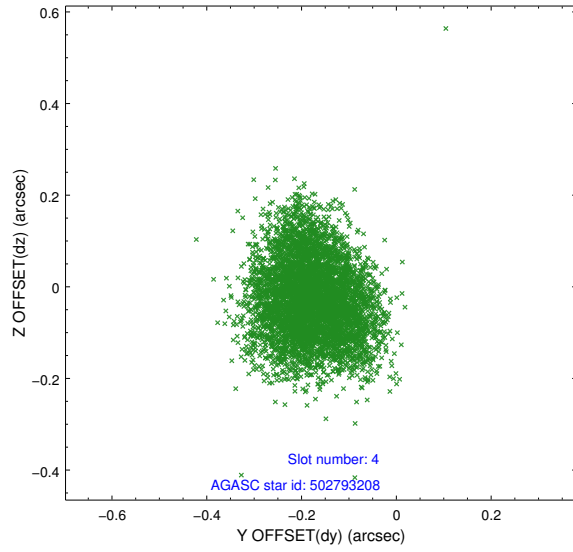
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	2477	-0.019	-0.024	0.015	0.021	0.000000	0.000000	-769.80	-1738.12
1	FID	ACIS-S-5	7.07	2477	-0.037	-0.003	0.018	0.025	0.000000	0.000000	-1823.18	163.34
2	FID	ACIS-S-6	7.17	2477	0.031	0.034	0.012	0.019	0.000000	0.000000	391.29	807.87
3	GUIDE	502400568	8.67	4952	0.048	-0.042	0.071	0.116	178.868651	54.779372	2023.82	318.98
4	GUIDE	502793208	9.13	4947	-0.180	-0.032	0.113	0.178	177.980338	55.276529	652.97	-1844.69
5	GUIDE	502793960	9.57	4951	-0.087	0.097	0.114	0.186	179.393376	55.531414	-853.26	784.72
6	GUIDE	502794304	9.88	4948	0.220	-0.083	0.177	0.287	177.861749	55.580199	-369.91	-2300.72
7	GUIDE	502796064	9.73	4943	-0.006	0.054	0.142	0.226	178.783977	55.701683	-1183.49	-557.55

2.4 Star Slots

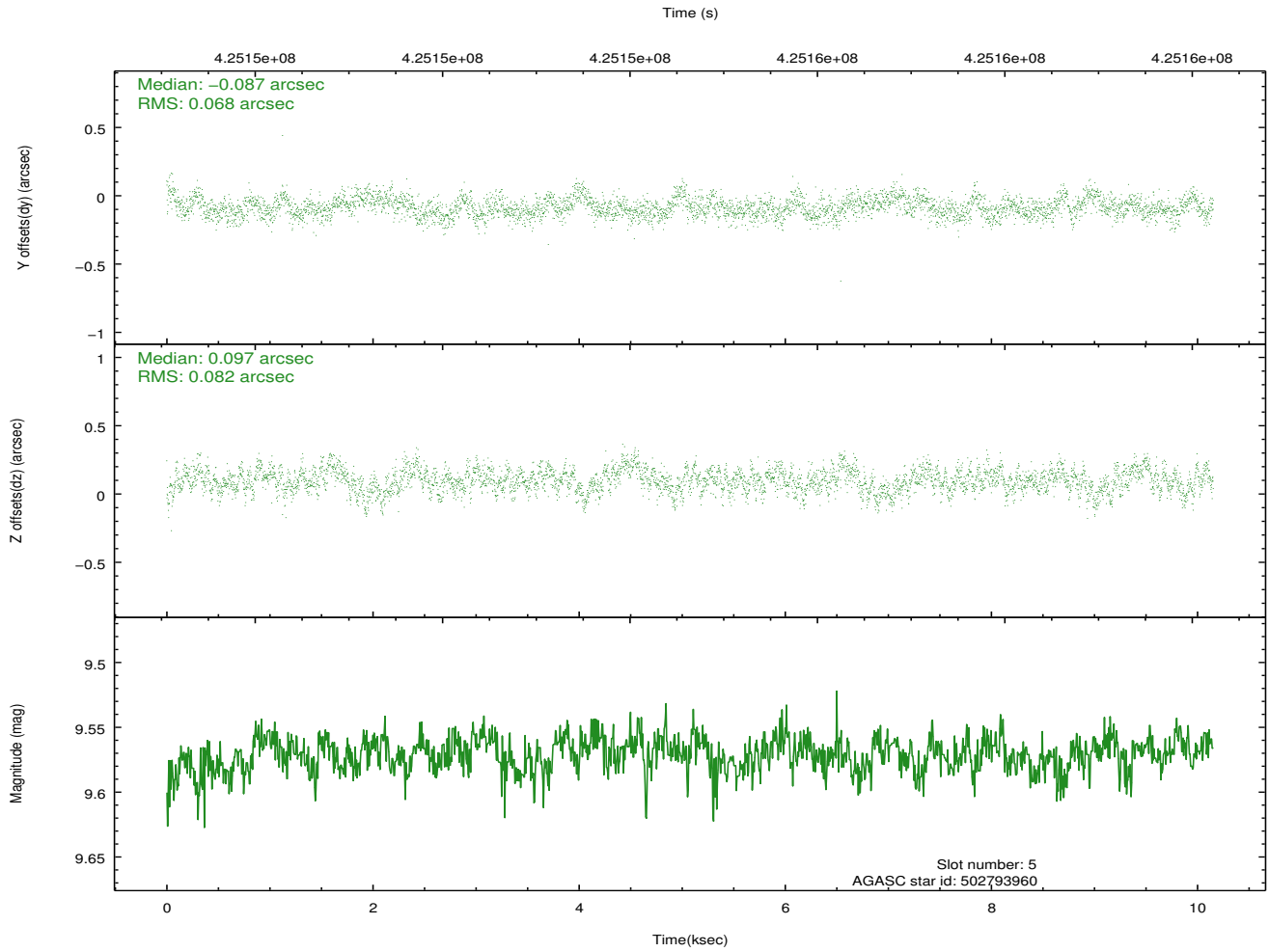
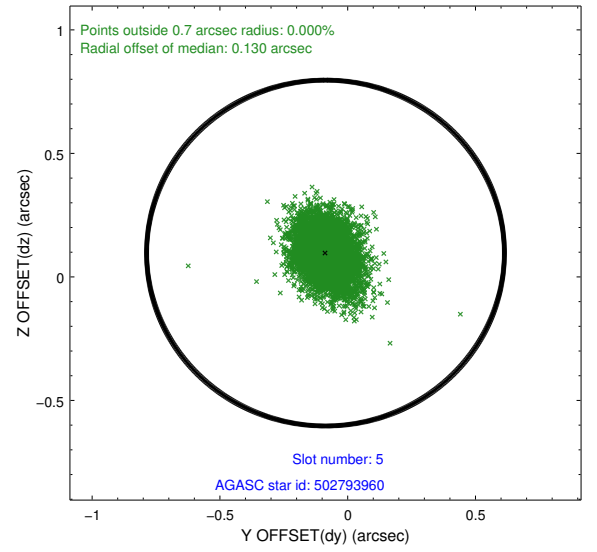
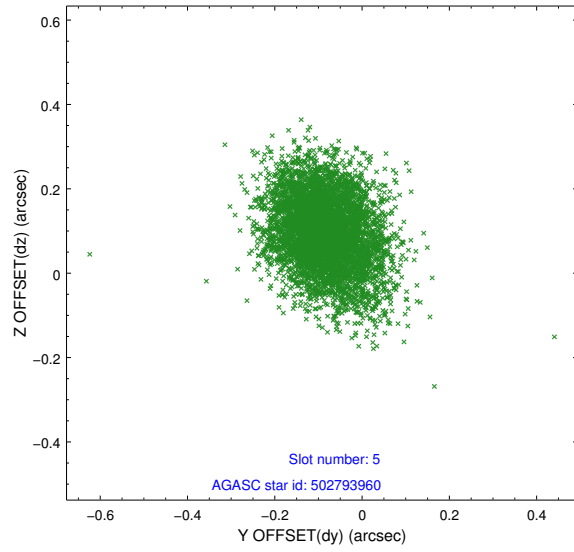
2.4.1 Slot 3



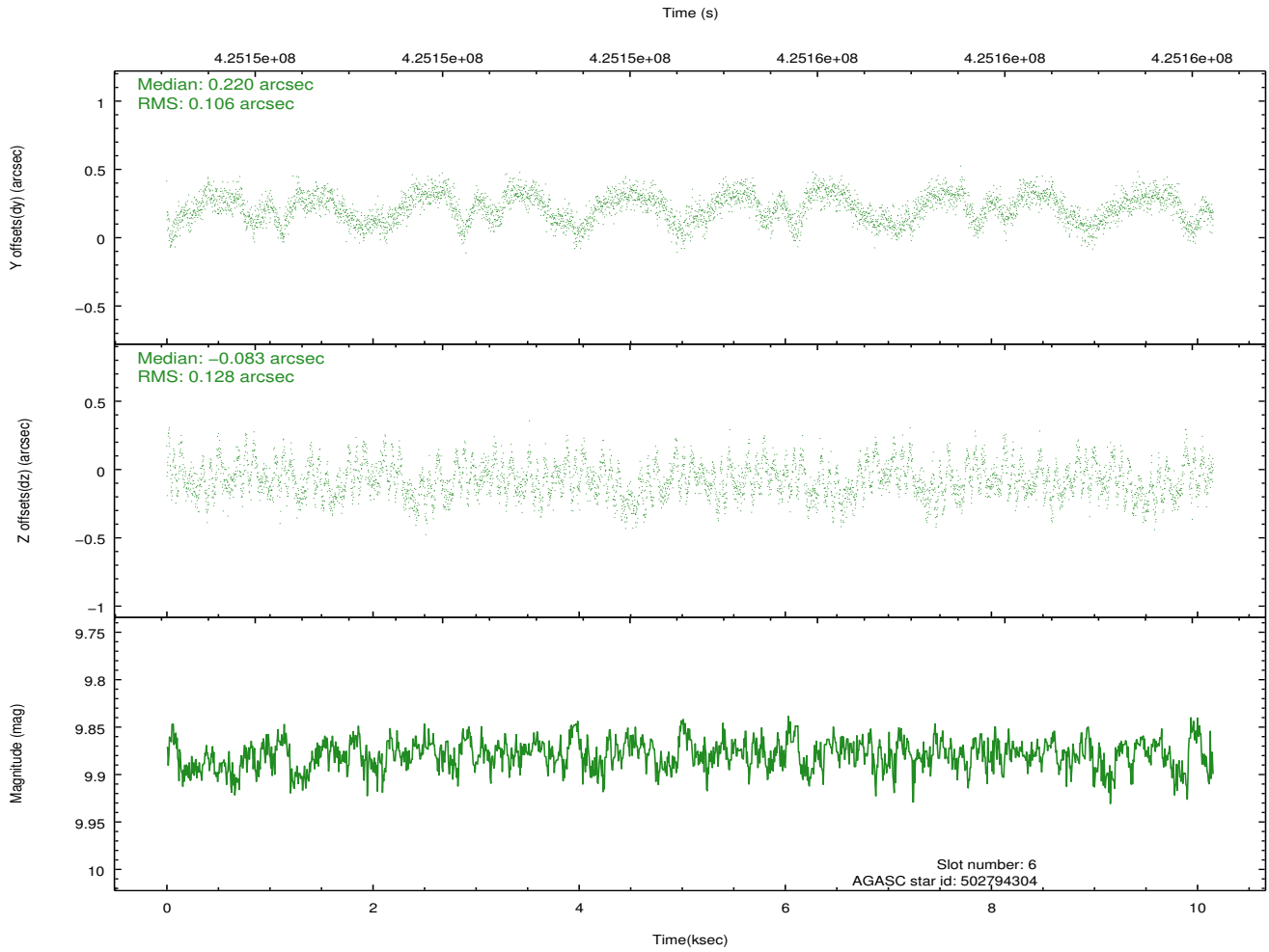
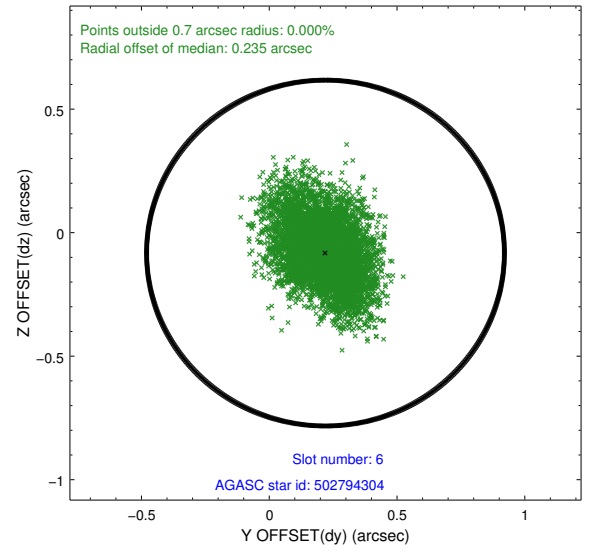
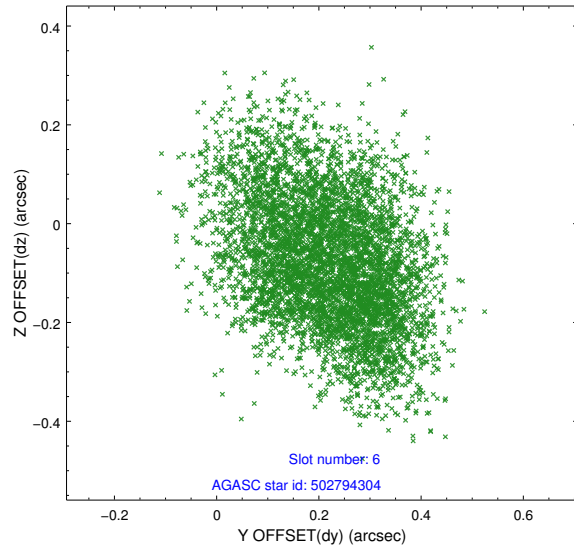
2.4.2 Slot 4



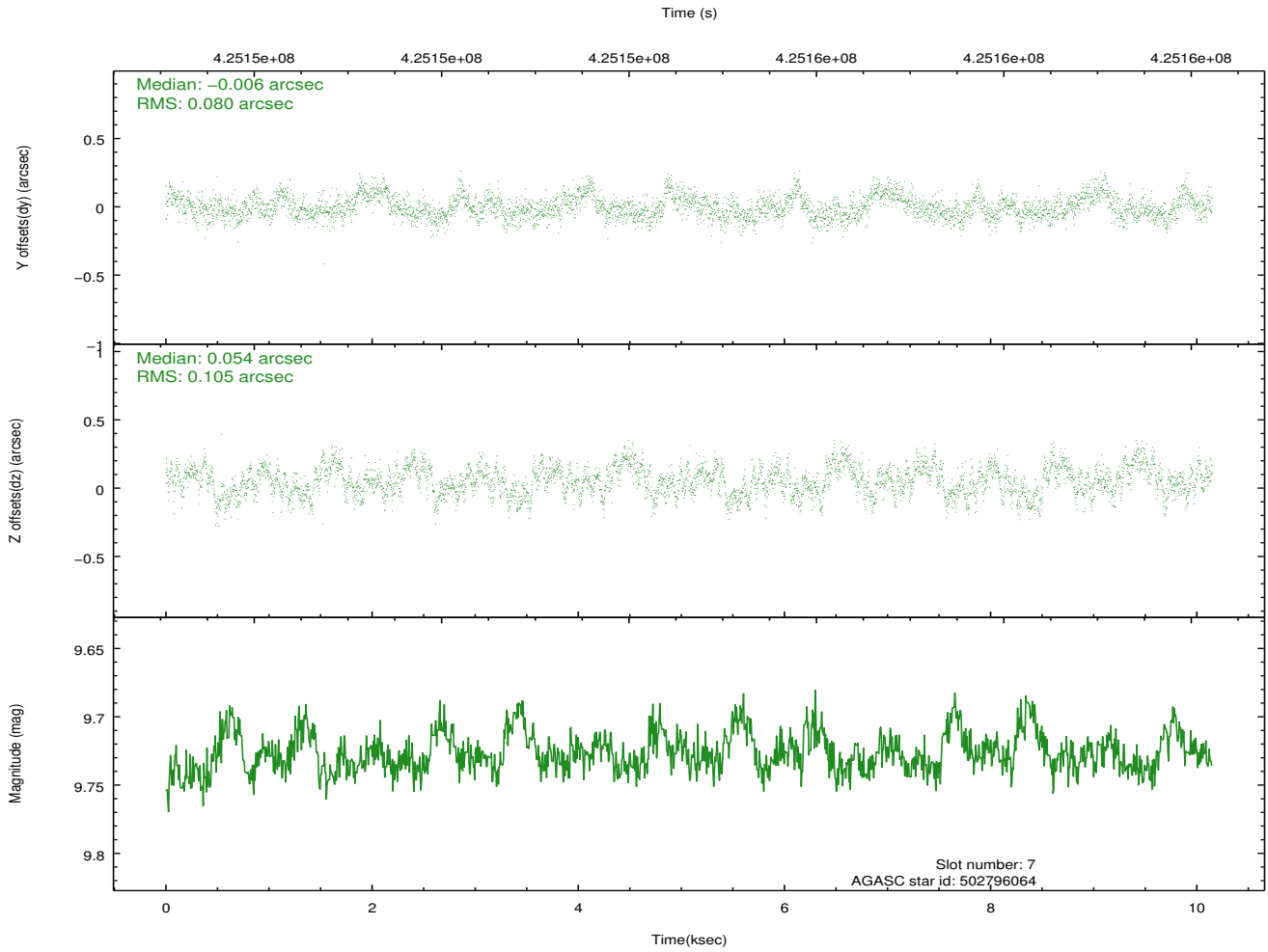
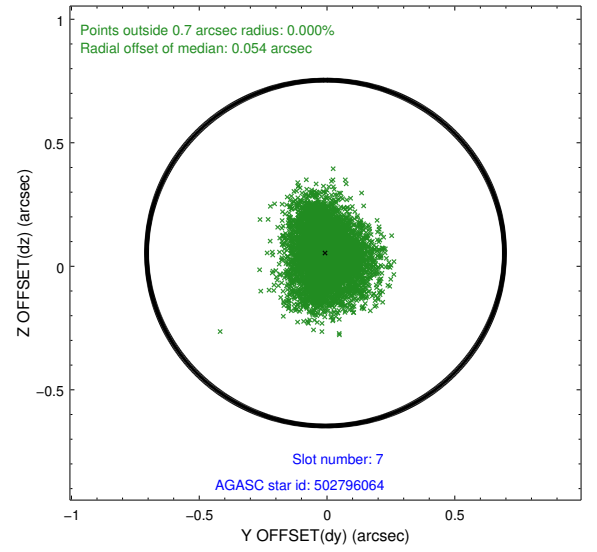
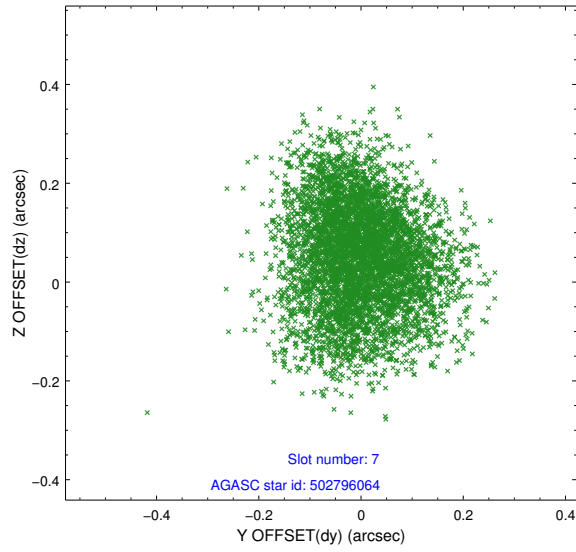
2.4.3 Slot 5



2.4.4 Slot 6

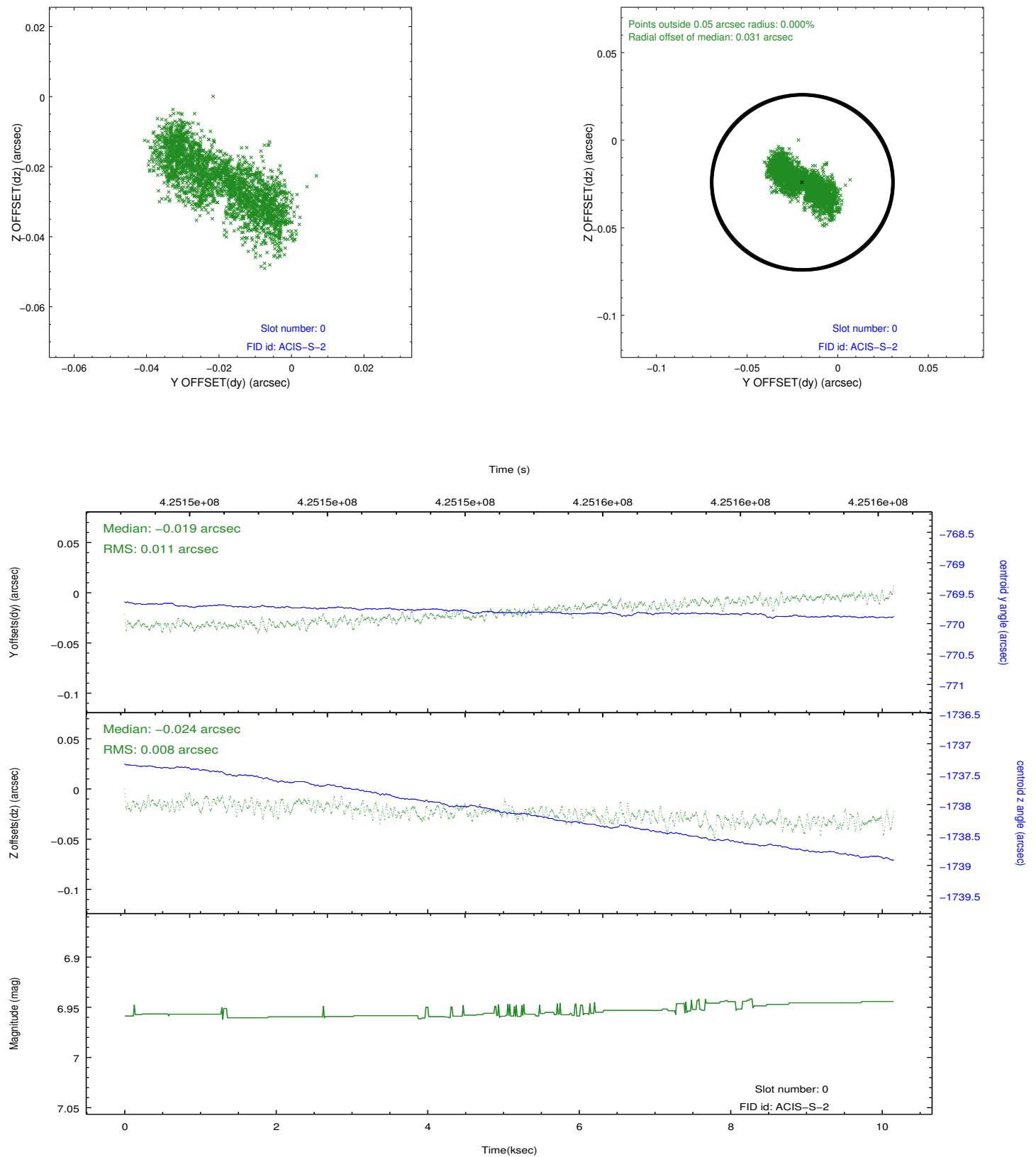


2.4.5 Slot 7

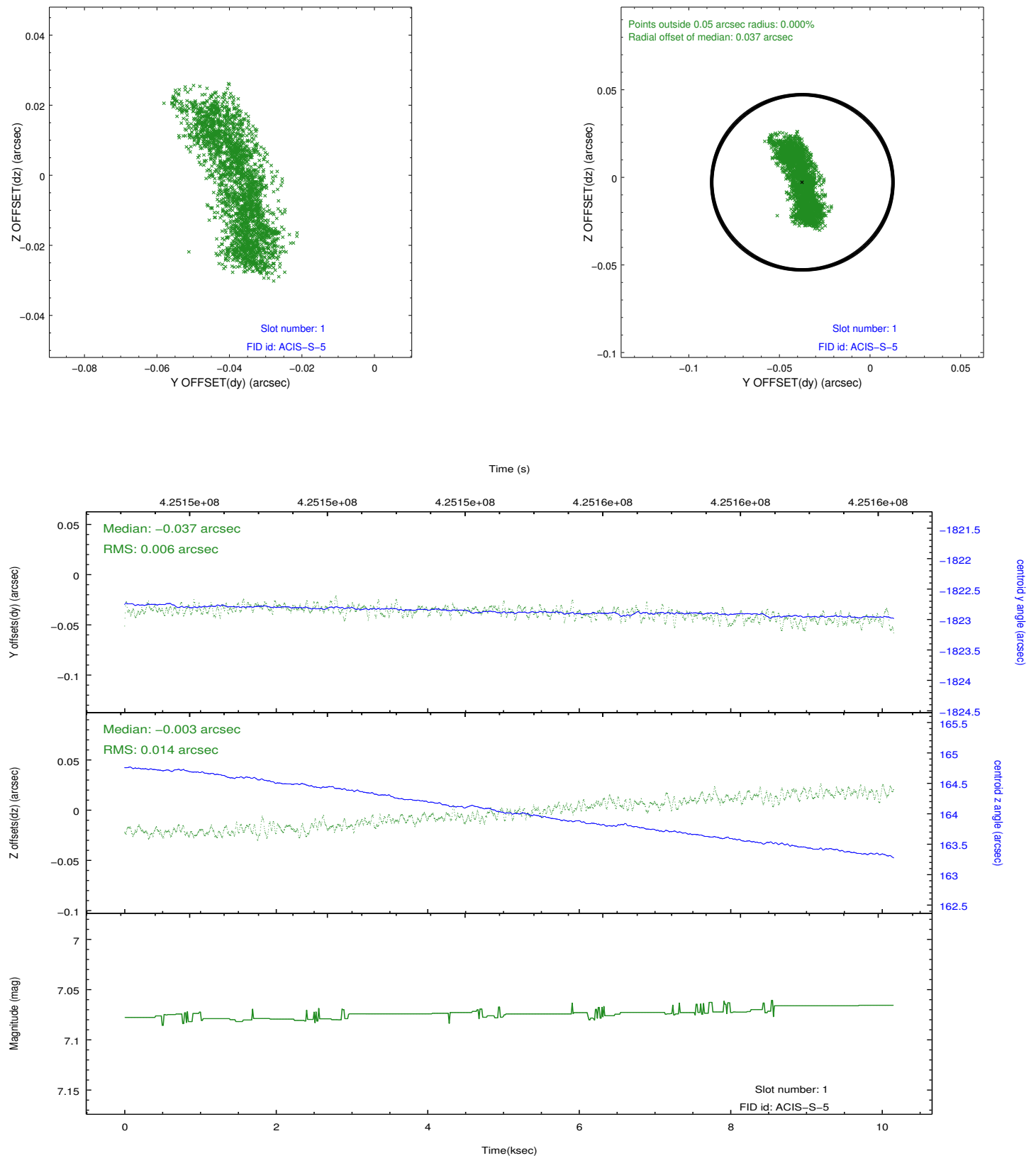


2.5 FID Slots

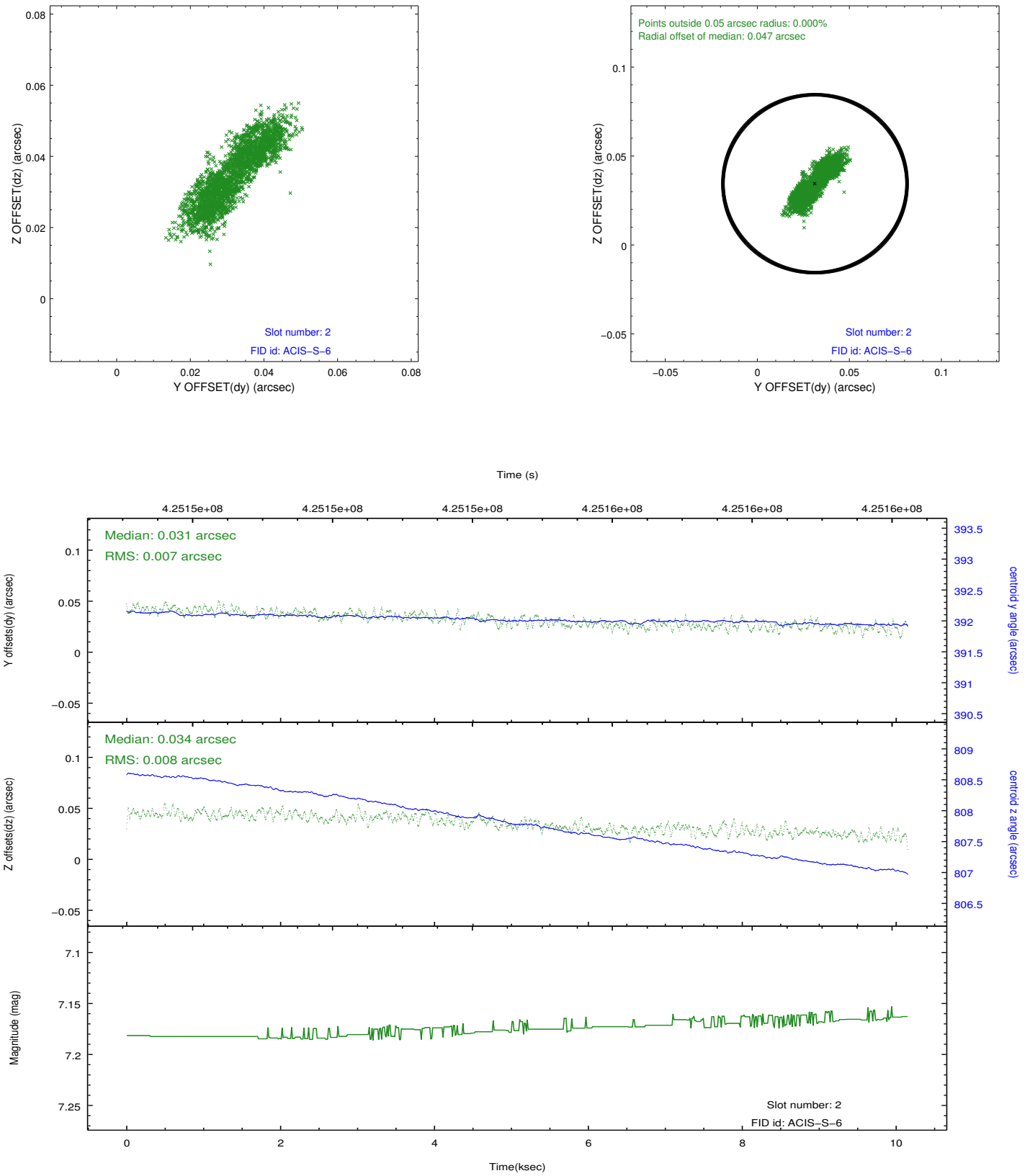
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.056539003909

A.2 Comments