

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10560 - L2 Version 2
Chandra X-Ray Center

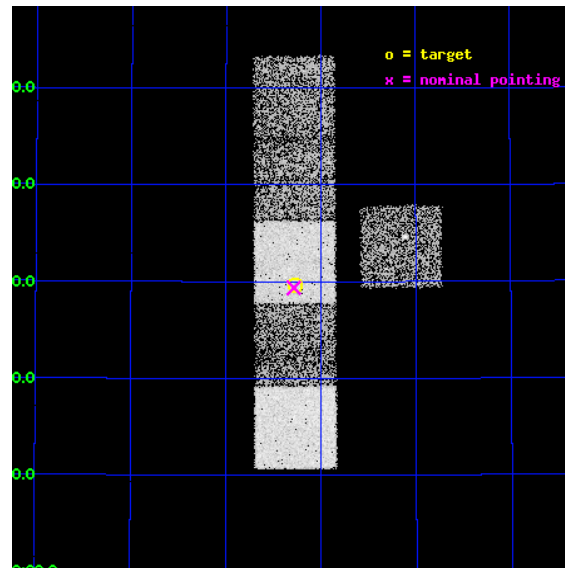
L2 Processing Date : Jun 10 2012

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1 Front

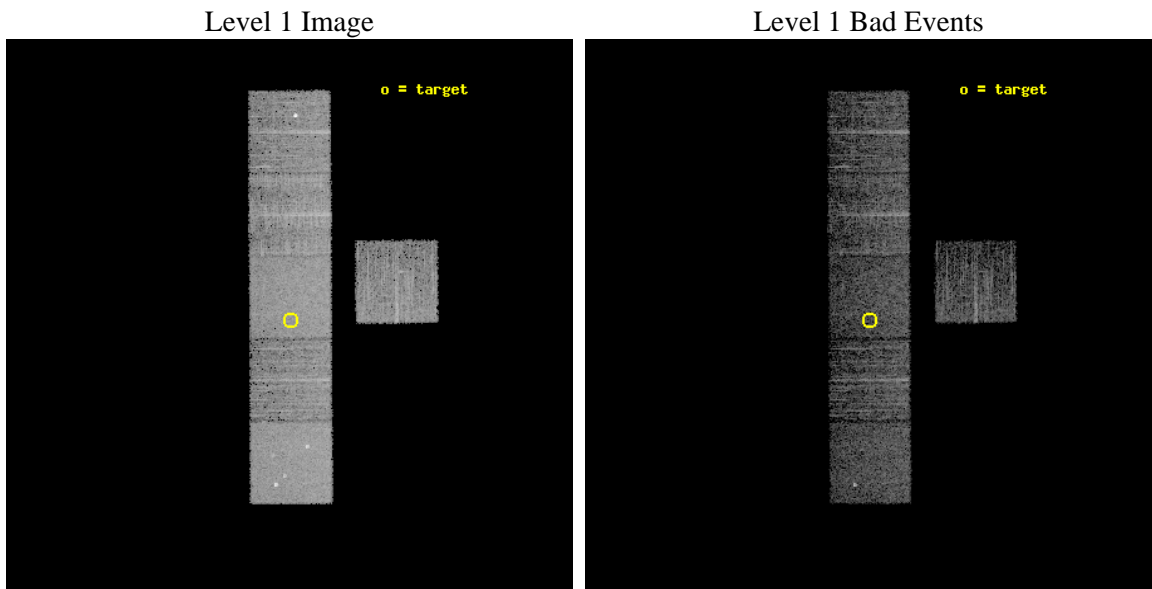
seq_num	600753	Sequence number
obs_id	10560	Observation id
title	X-Rays from Blue Compact Dwarf Galaxies	Proposal title
observer	Prof. Philip Kaaret	Principal investigator
object	Mrk 209	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.566667	Observer's specified target RA [deg]
dec_targ	48.4935	Observer's specified target Dec [deg]
ra_nom	186.57075003047	Nominal RA [deg]
dec_nom	48.489299201192	Nominal Dec [deg]
roll_nom	269.68098133061	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3148.7999883294	Sum of GTIs [s]
livetime	3108.9279868975	Livetime [s]
ontime3	3148.7999883294	Sum of GTIs [s]
ontime5	3148.7999883294	Sum of GTIs [s]
ontime6	3148.7999883294	Sum of GTIs [s]
ontime7	3148.7999883294	Sum of GTIs [s]
ontime8	3148.7999883294	Sum of GTIs [s]
ontime9	3148.7999883294	Sum of GTIs [s]
l2events	56906	Number of level 2 events



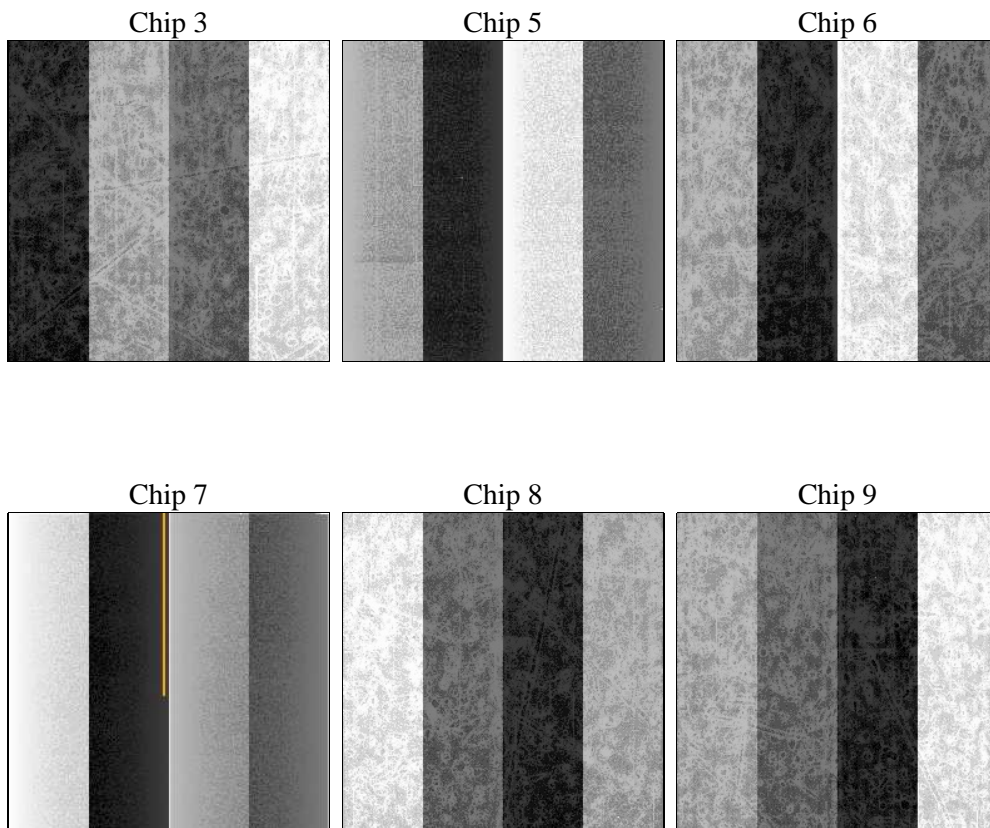
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3148.7999883294	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	3148.7999883294	Sum of GTIs [s]
date	2012-06-10T11:31:38	Date and time of file creation	ontime5	3148.7999883294	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3148.7999883294	Sum of GTIs [s]
			ontime7	3148.7999883294	Sum of GTIs [s]
			ontime8	3148.7999883294	Sum of GTIs [s]
			ontime9	3148.7999883294	Sum of GTIs [s]
			l1events	279578	Number of level 1 events

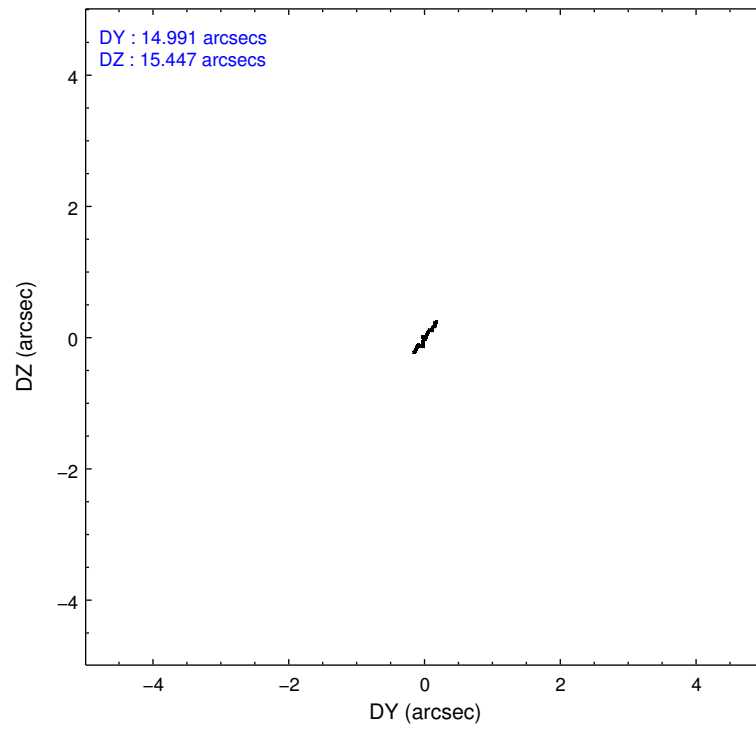
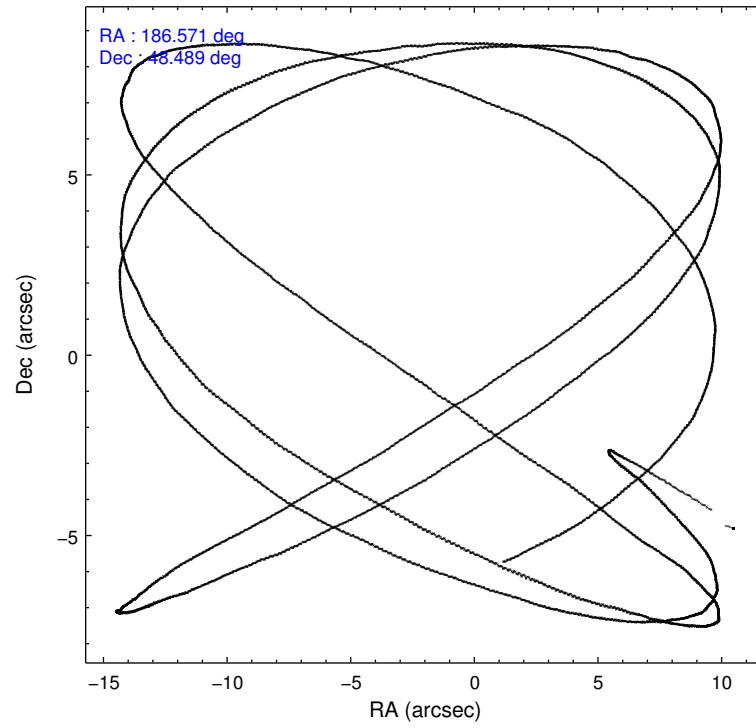
2.1.4 Events

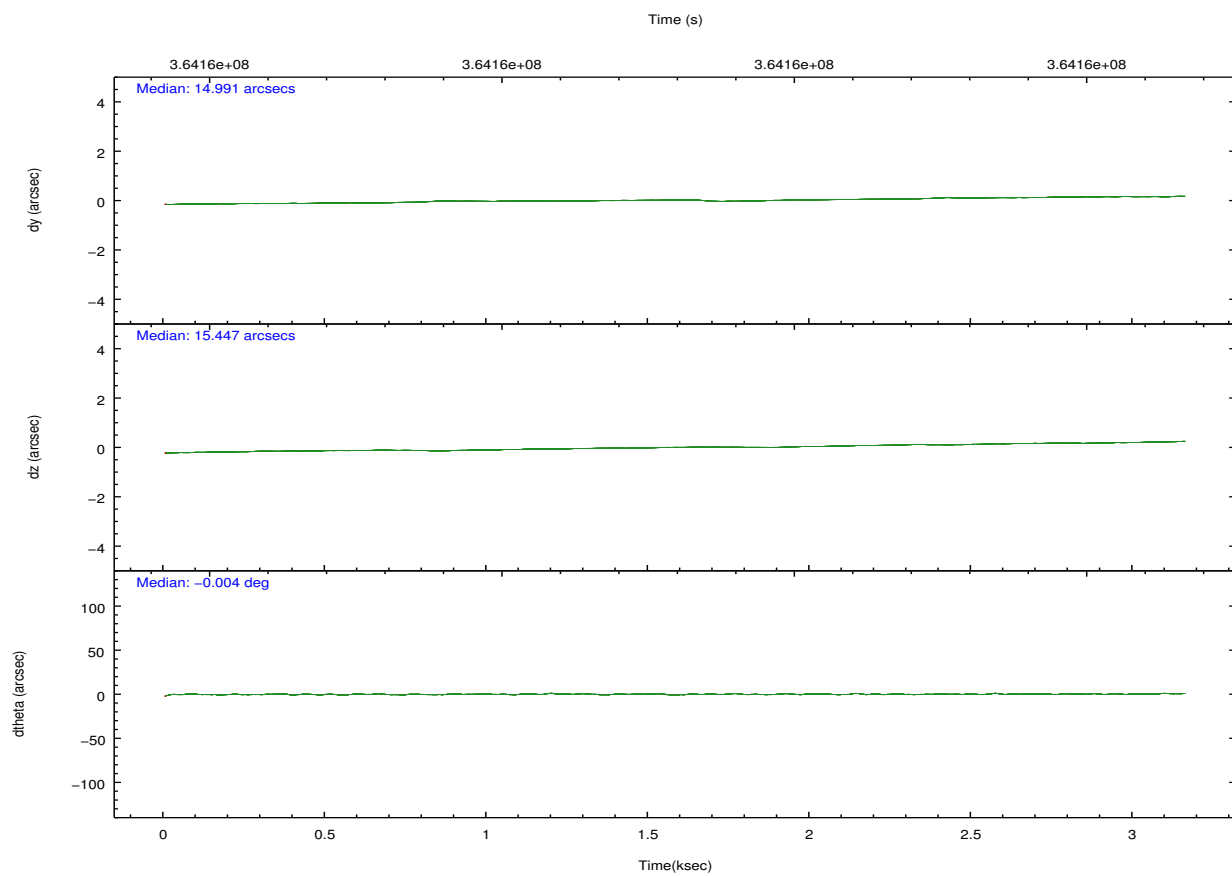
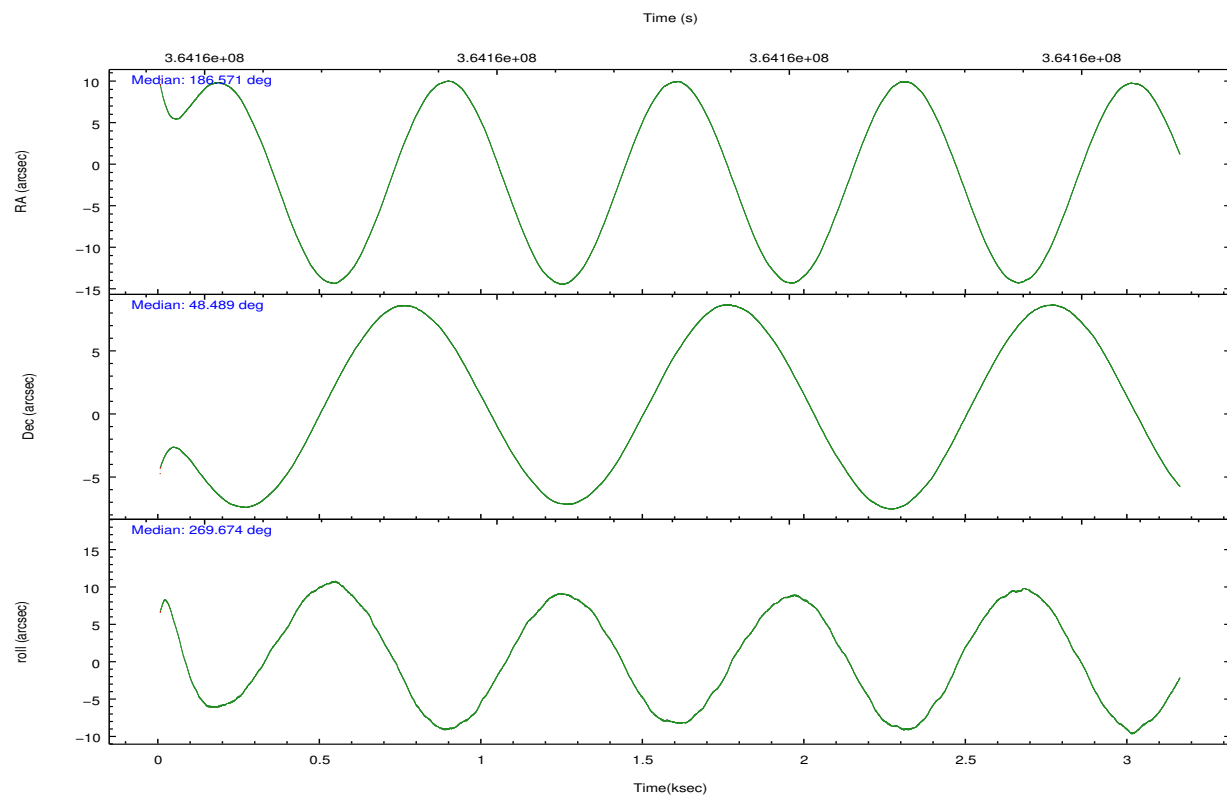
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	37652	60986	38168	53047	48662	41063	grade 0 events	2013	2696	1792	1881	3521	2145
rejected events	33613	36304	34099	33831	38708	35146		5%	4%	4%	3%	7%	5%
rejected %	89%	59%	89%	63%	79%	85%	grade 1 events	23	127	20	61	46	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	955	9018	1043	4487	2671	2732
								2%	14%	2%	8%	5%	6%
							grade 3 events	410	930	409	1902	1196	447
								1%	1%	1%	3%	2%	1%
							grade 4 events	416	924	385	1760	1054	436
								1%	1%	1%	3%	2%	1%
							grade 5 events	1821	4295	1844	5112	2444	2084
								4%	7%	4%	9%	5%	5%
							grade 6 events	811	14755	1008	11953	3021	1039
								2%	24%	2%	22%	6%	2%
							grade 7 events	31203	28241	31667	25891	34709	32160
								82%	46%	82%	48%	71%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-356789	ACIS-356789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	186.549552	186.5707500304688	CCD I2 on	N	N
[deg] Pointing Dec	48.512915	48.48929920119167	CCD I3 on	O3	Y
[deg] Pointing Roll	269.540203	269.6809813306051	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	364155172.184000	364153893.04323	CCD S5 on	O1	Y
Observation start date	2009-07-16T18:11:46	2009-07-16T17:51:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	364158172.184000	364159259.9435	On-chip summing requested	N	N
Observation end date	2009-07-16T19:01:46	2009-07-16T19:20:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



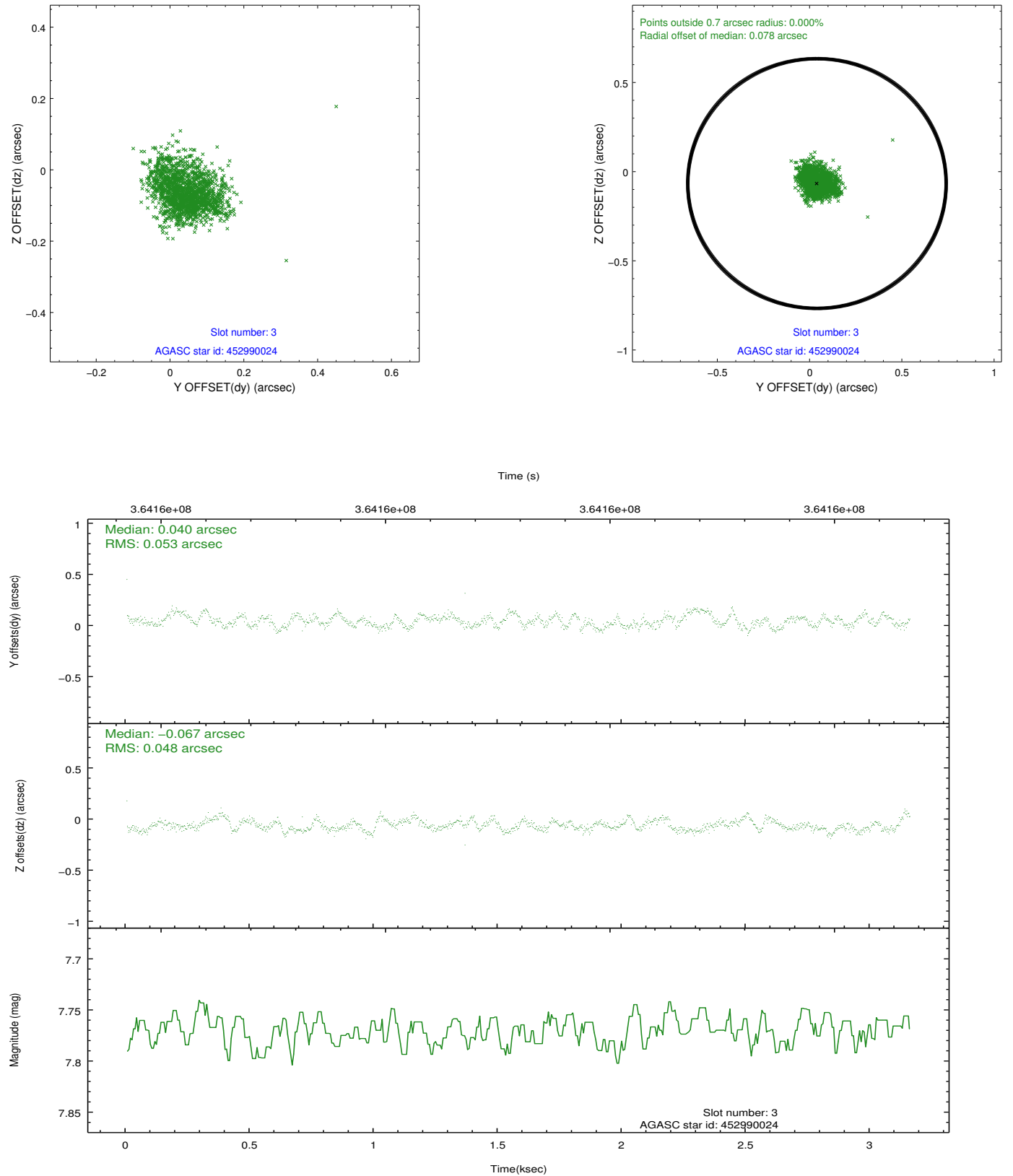


Slot Statistics

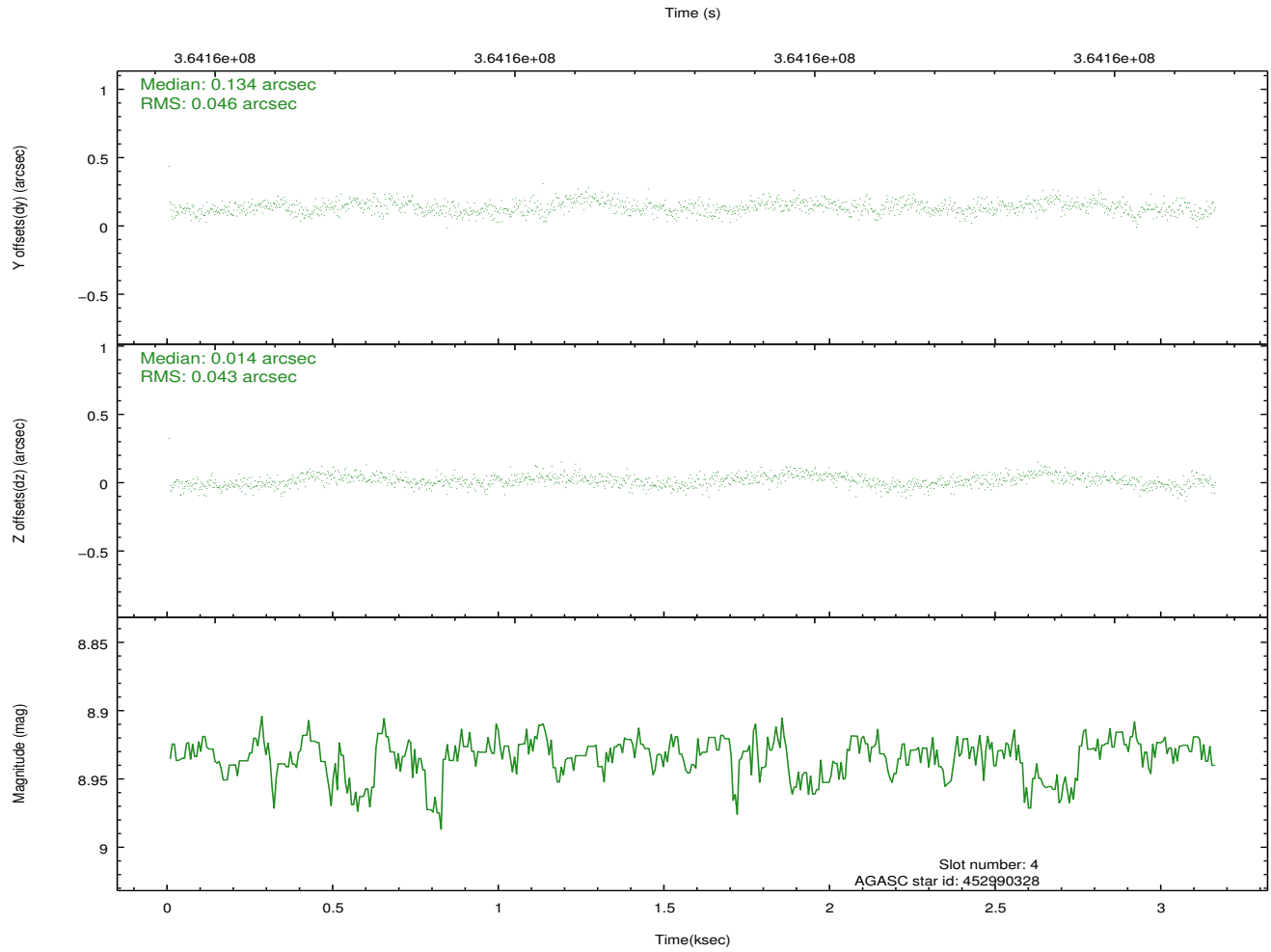
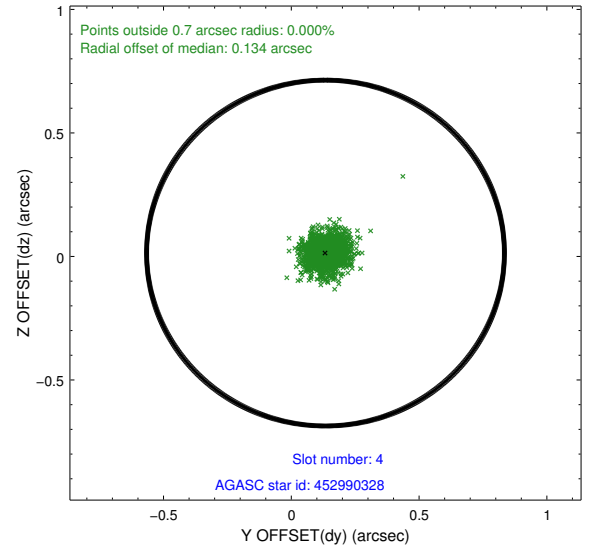
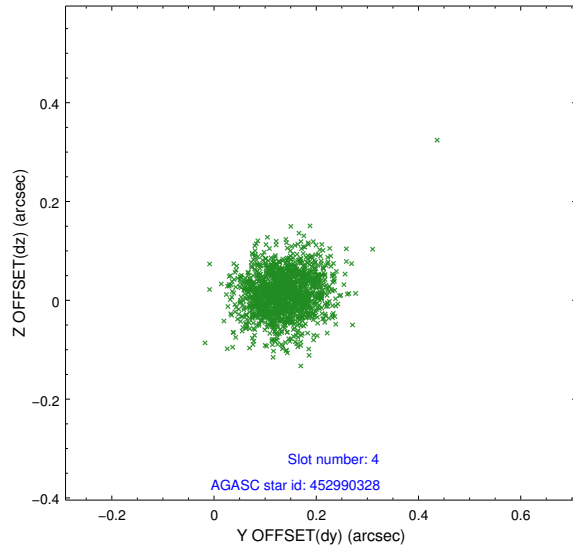
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	771	-0.096	-0.026	0.006	0.010	0.000000	0.000000	-768.05	-1736.81
1	FID	ACIS-S-4	6.98	771	0.212	0.053	0.005	0.010	0.000000	0.000000	2144.59	169.67
2	FID	ACIS-S-5	7.01	771	-0.148	-0.018	0.007	0.012	0.000000	0.000000	-1818.38	165.54
3	GUIDE	452990024	7.77	1541	0.040	-0.067	0.075	0.120	185.637809	48.352861	581.01	-2177.16
4	GUIDE	452990328	8.93	1540	0.134	0.014	0.065	0.109	187.139482	47.966878	1948.72	1436.17
5	GUIDE	453251032	9.22	1538	-0.037	0.020	0.087	0.138	187.329981	49.029146	-1881.46	1827.28
6	GUIDE	453251808	7.74	1541	-0.107	-0.021	0.052	0.081	187.260218	48.920029	-1488.26	1670.18
7	GUIDE	453252256	8.23	1540	-0.036	0.049	0.066	0.104	185.768794	48.854866	-1226.18	-1858.78

2.4 Star Slots

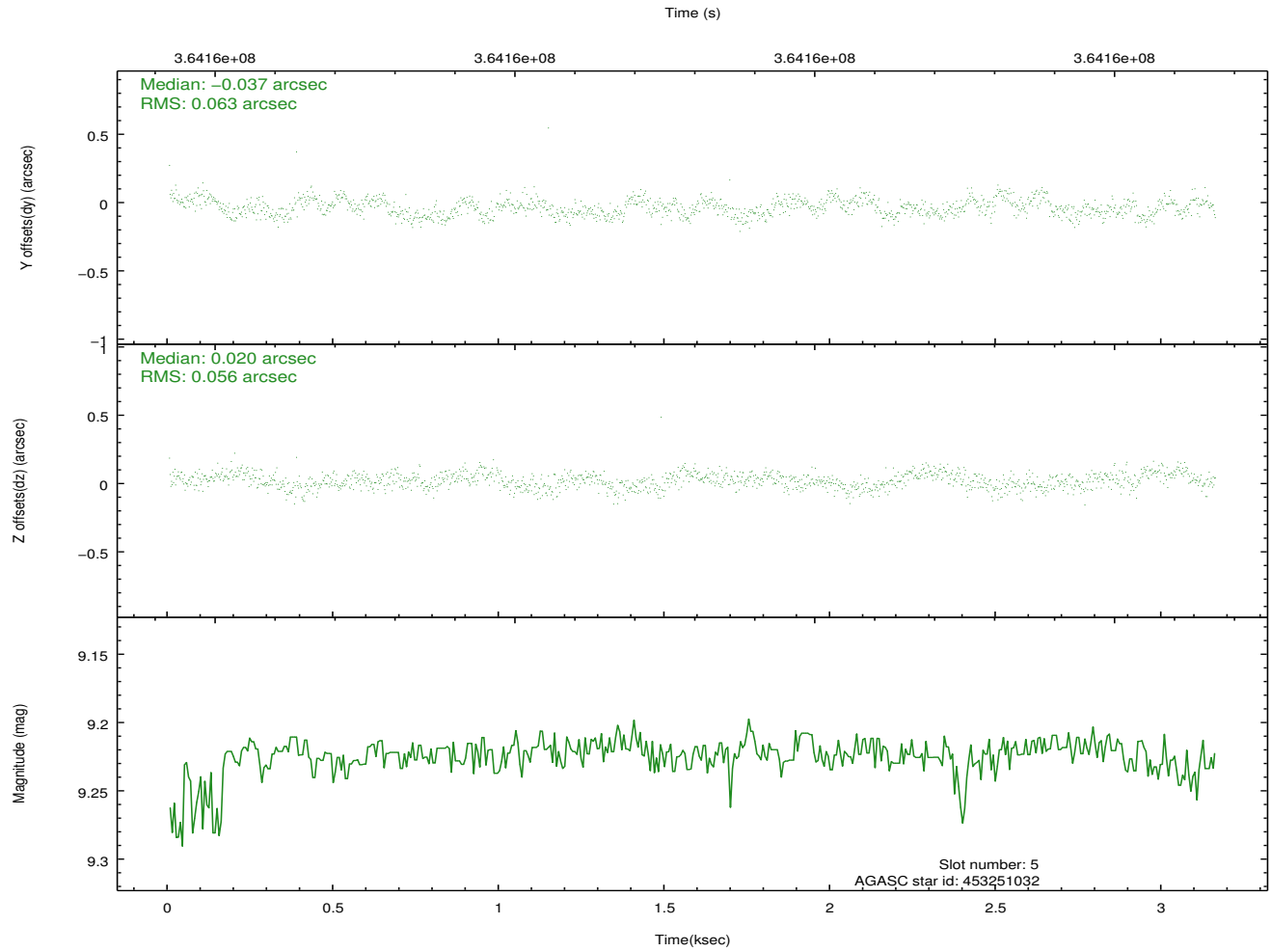
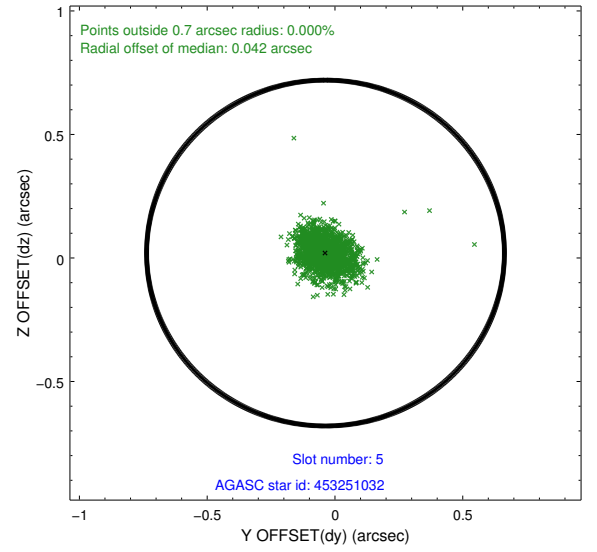
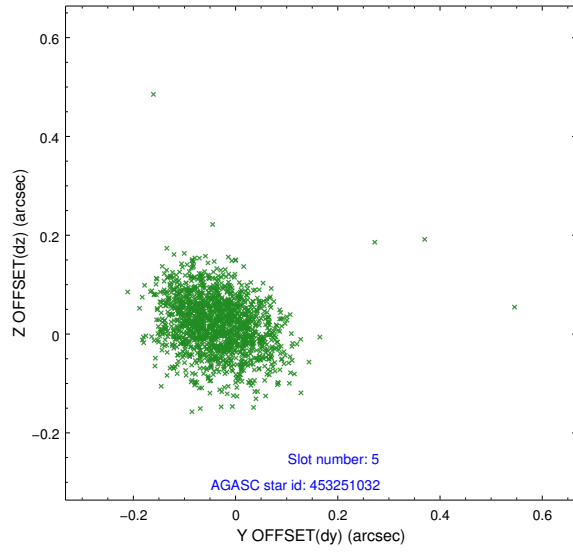
2.4.1 Slot 3



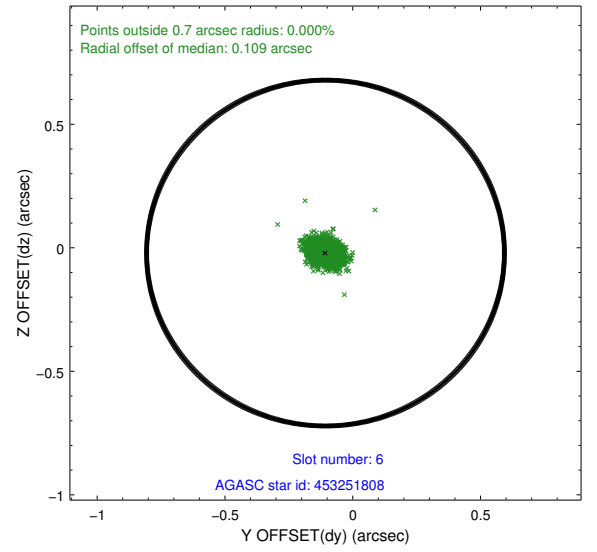
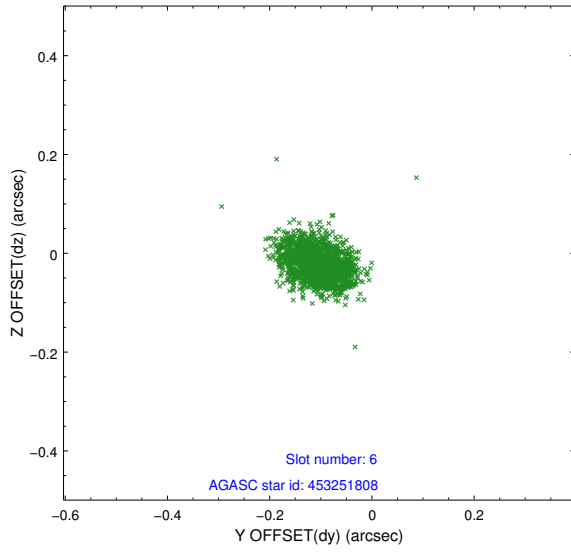
2.4.2 Slot 4



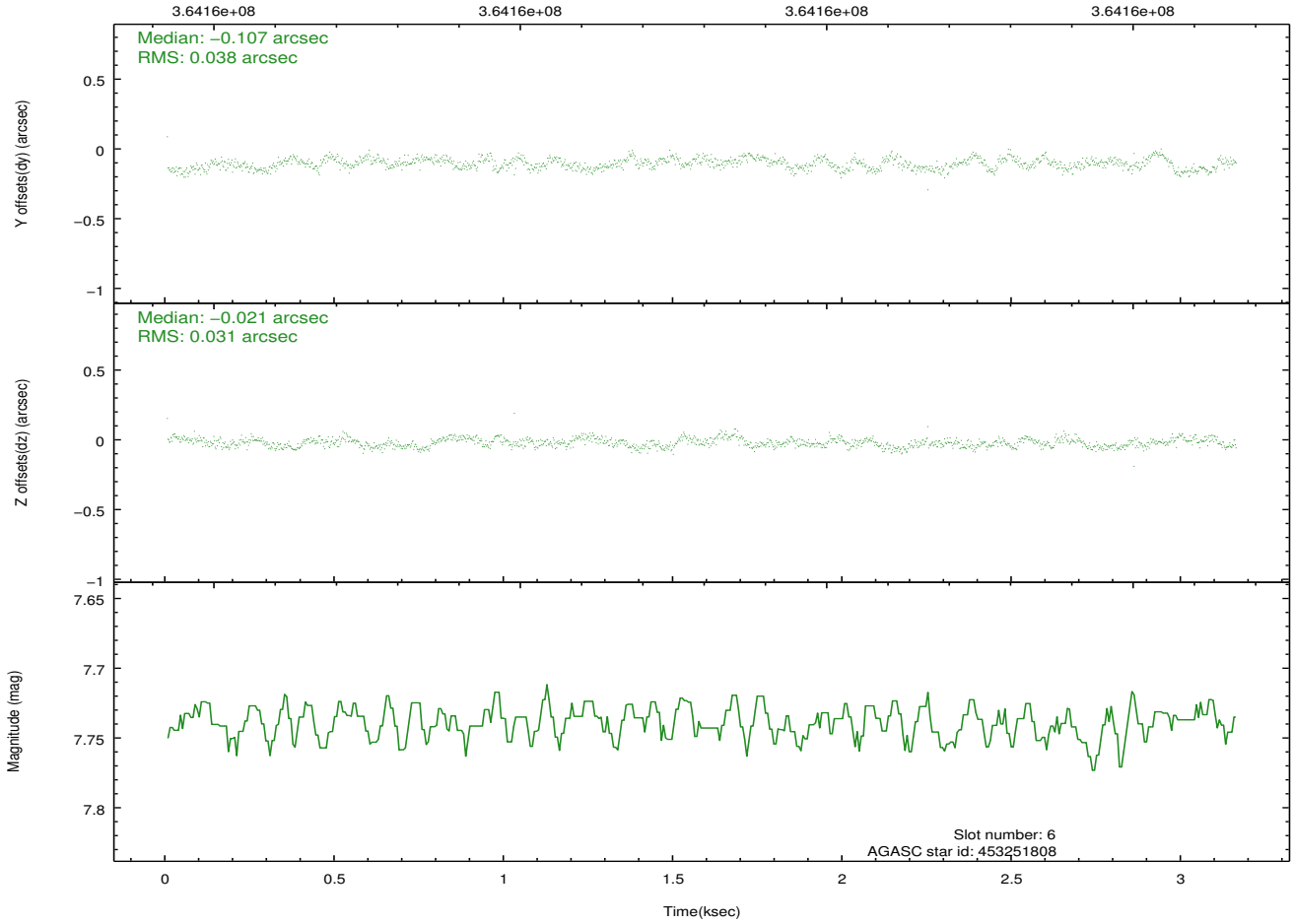
2.4.3 Slot 5



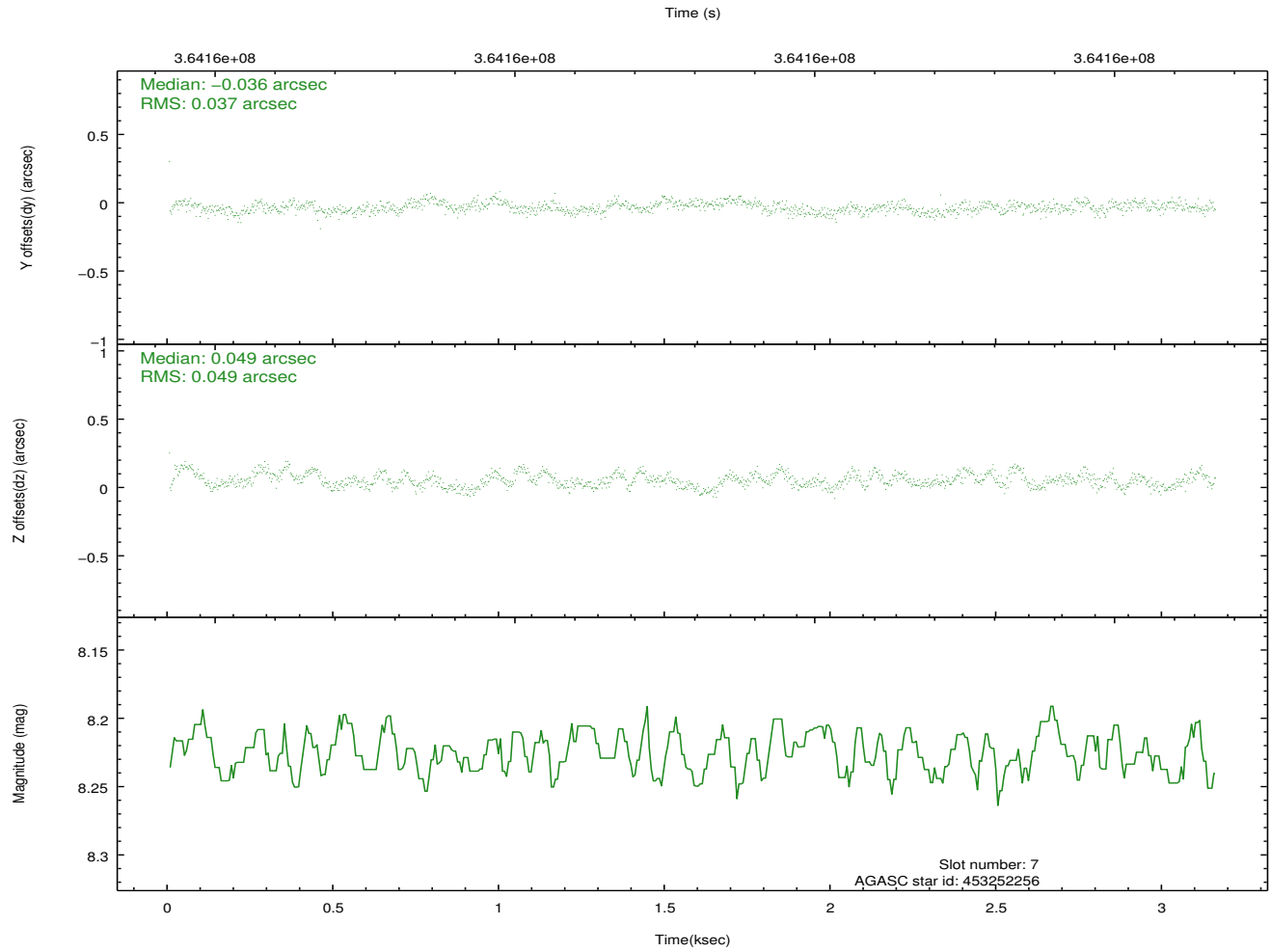
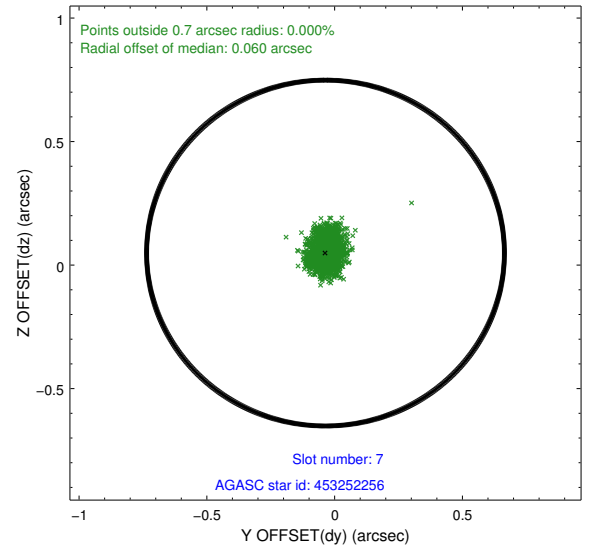
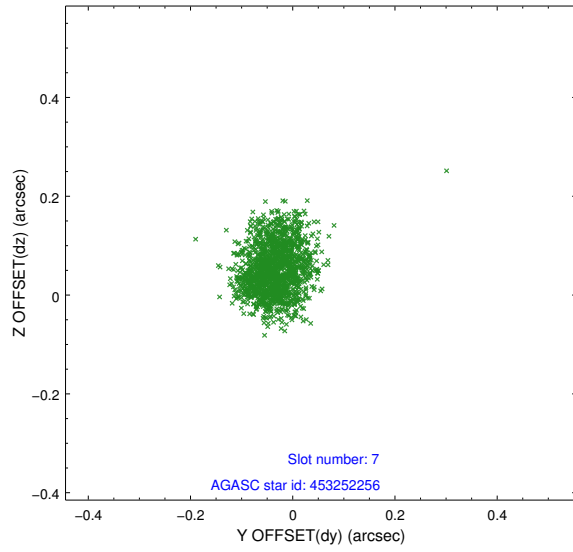
2.4.4 Slot 6



Time (s)

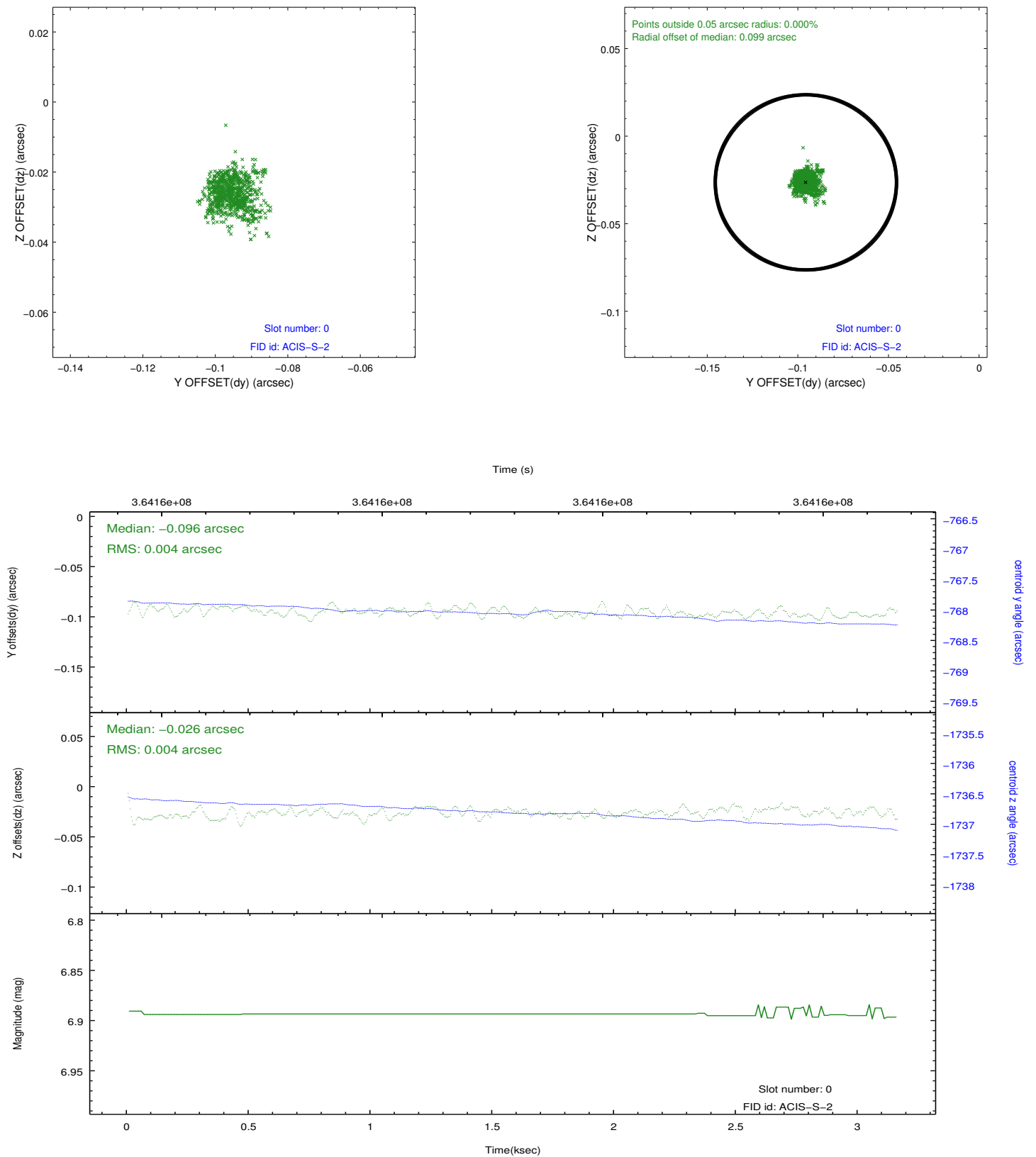


2.4.5 Slot 7

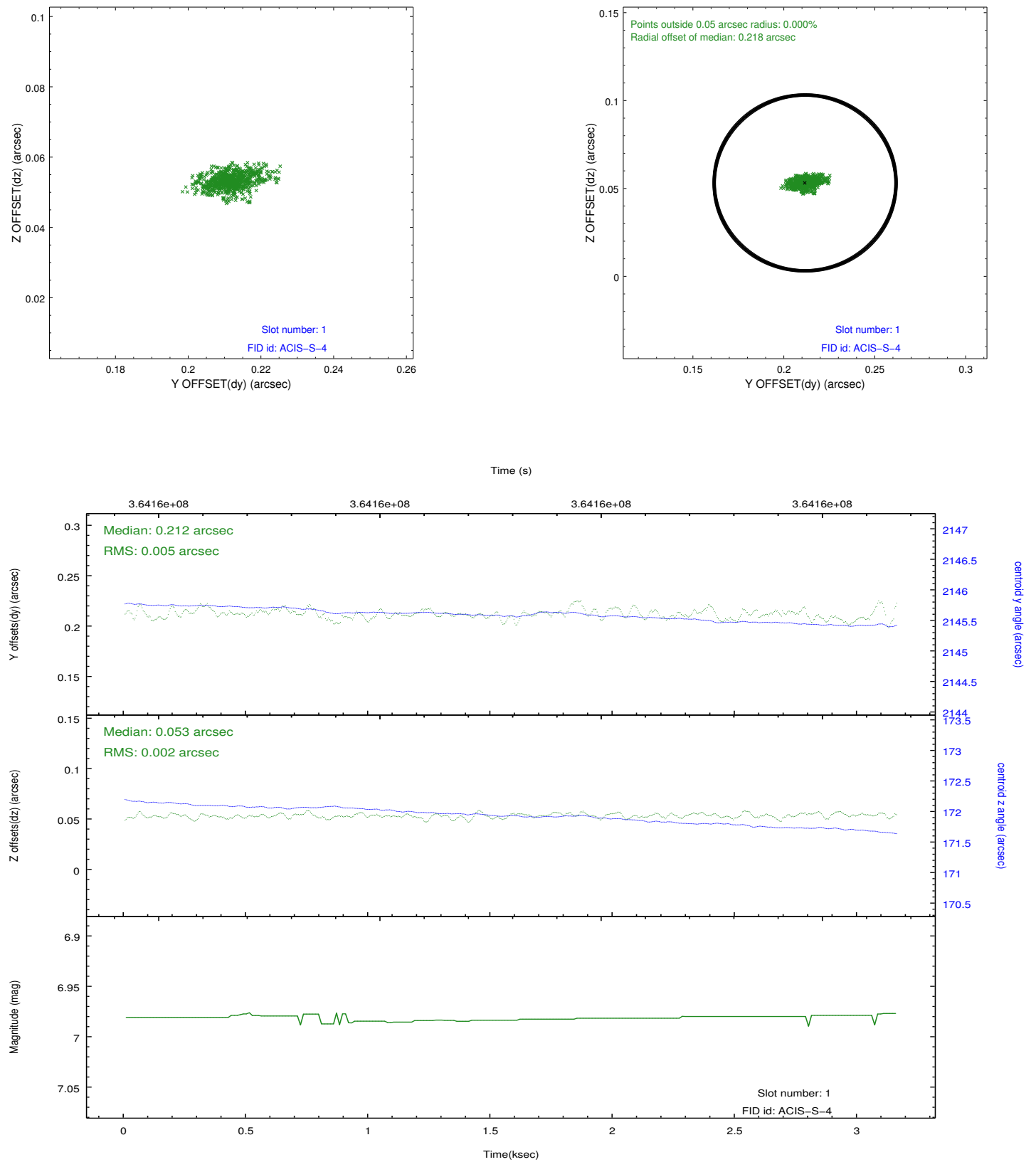


2.5 FID Slots

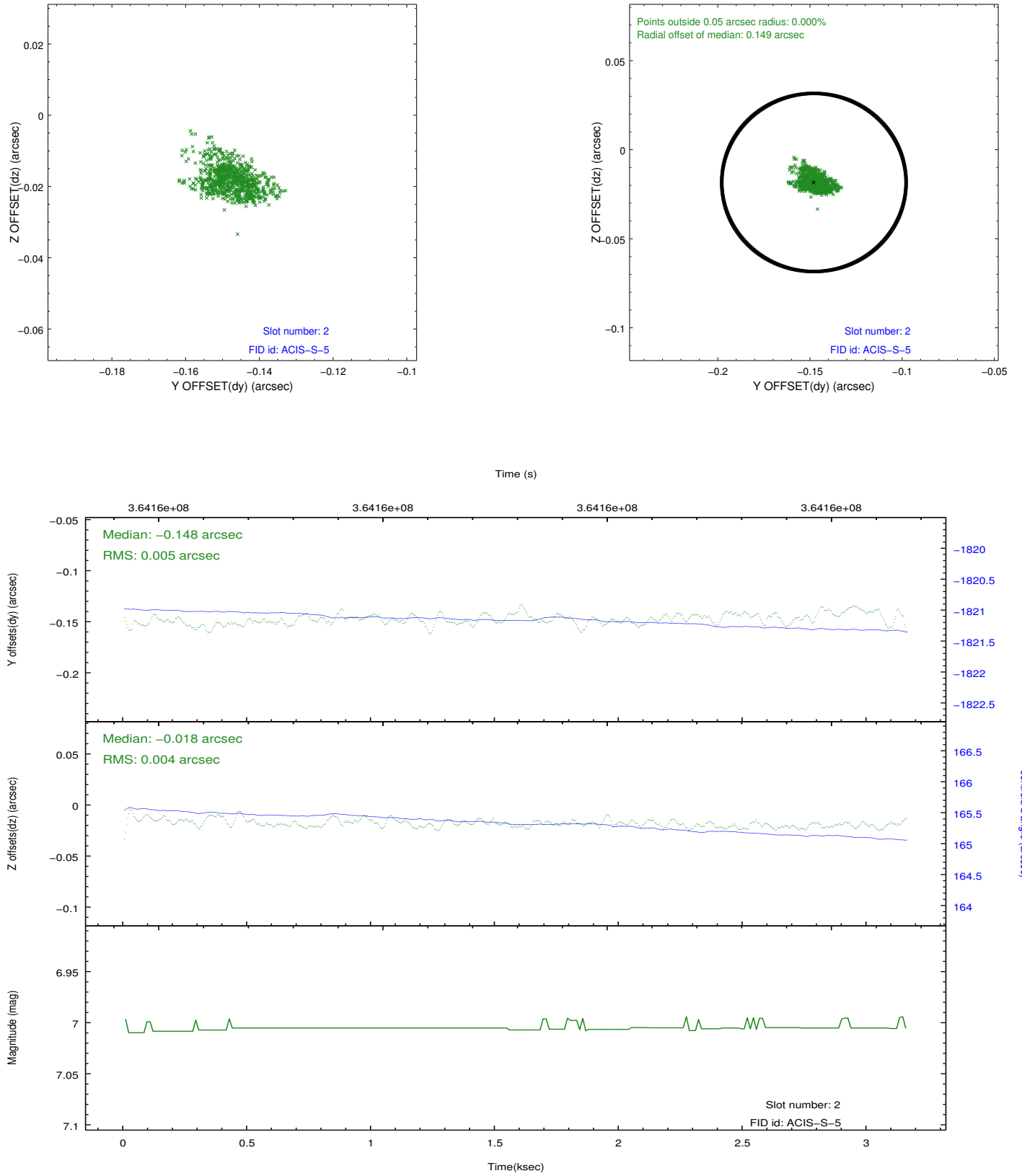
2.5.1 Slot 0



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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1487999883294

A.2 Comments