

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10328 - L2 Version 2
Chandra X-Ray Center

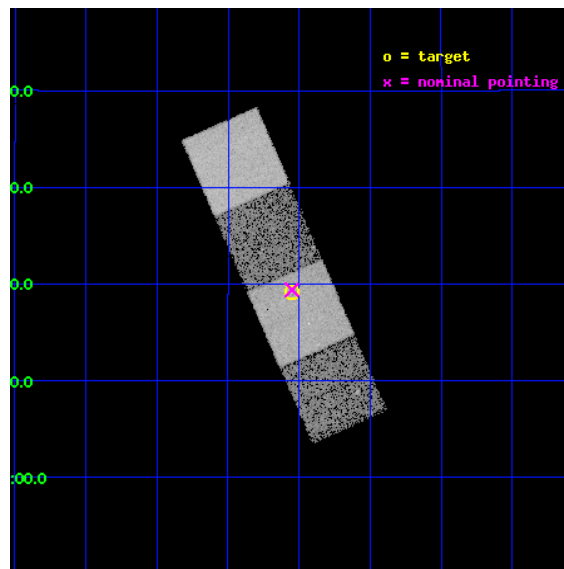
L2 Processing Date : Jun 1 2012

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1 Front

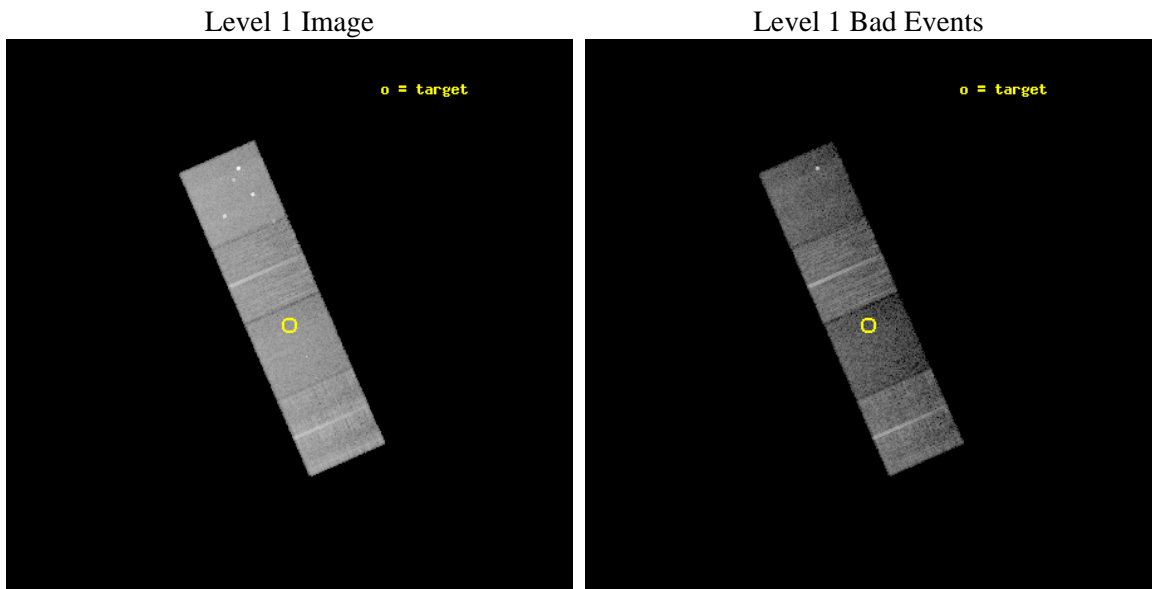
seq_num	701871	Sequence number
obs_id	10328	Observation id
title	Luminous Compton-thick QSOs at z~1	Proposal title
observer	Dr. Roberto Gilli	Principal investigator
object	SDSS J104603.17+071907.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.513333	Observer's specified target RA [deg]
dec_targ	7.318667	Observer's specified target Dec [deg]
ra_nom	161.51264476599	Nominal RA [deg]
dec_nom	7.3234776126215	Nominal Dec [deg]
roll_nom	66.391386064347	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10124.600077868	Sum of GTIs [s]
livetime	9992.314724228	Livetime [s]
ontime5	10124.600077868	Sum of GTIs [s]
ontime6	10124.600077868	Sum of GTIs [s]
ontime7	10124.600077868	Sum of GTIs [s]
ontime8	10124.600077868	Sum of GTIs [s]
l2events	103840	Number of level 2 events



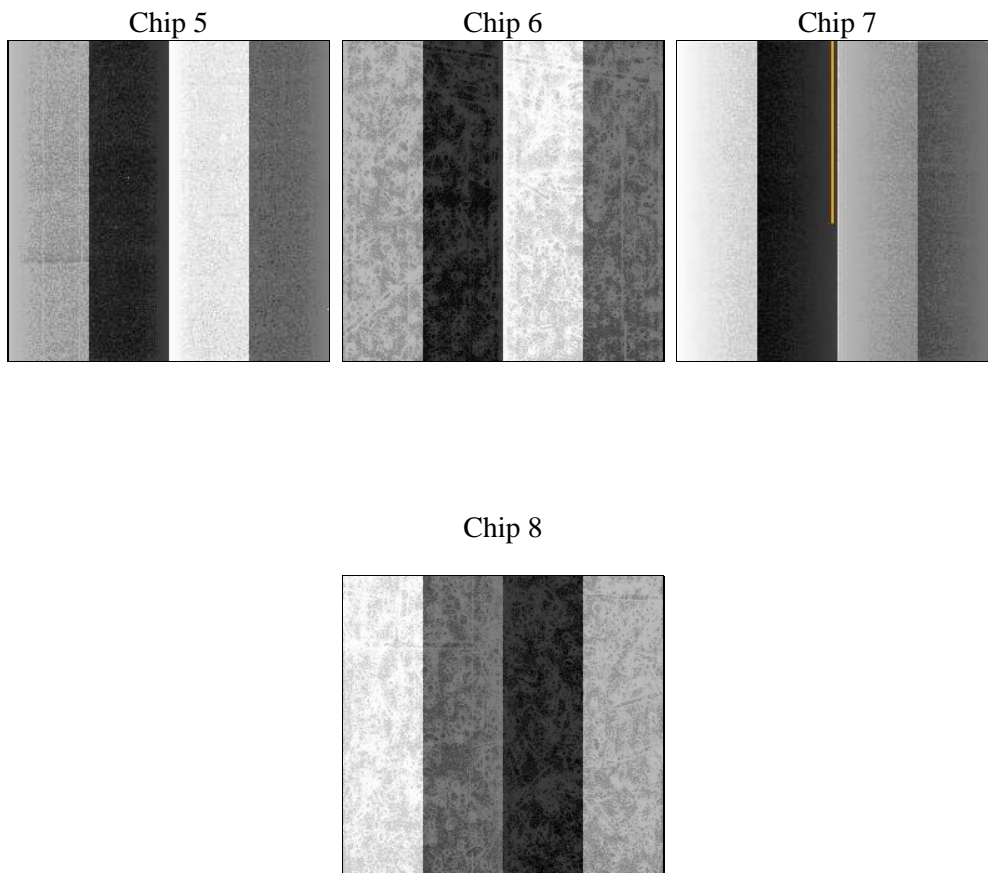
2 OBI

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	8.4.4	Processing system revision	ontime	10124.600077868	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	10124.600077868	Sum of GTIs [s]
date	2012-06-01T10:20:04	Date and time of file creation	ontime6	10124.600077868	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10124.600077868	Sum of GTIs [s]
			ontime8	10124.600077868	Sum of GTIs [s]
			l1events	406185	Number of level 1 events

2.1.4 Events

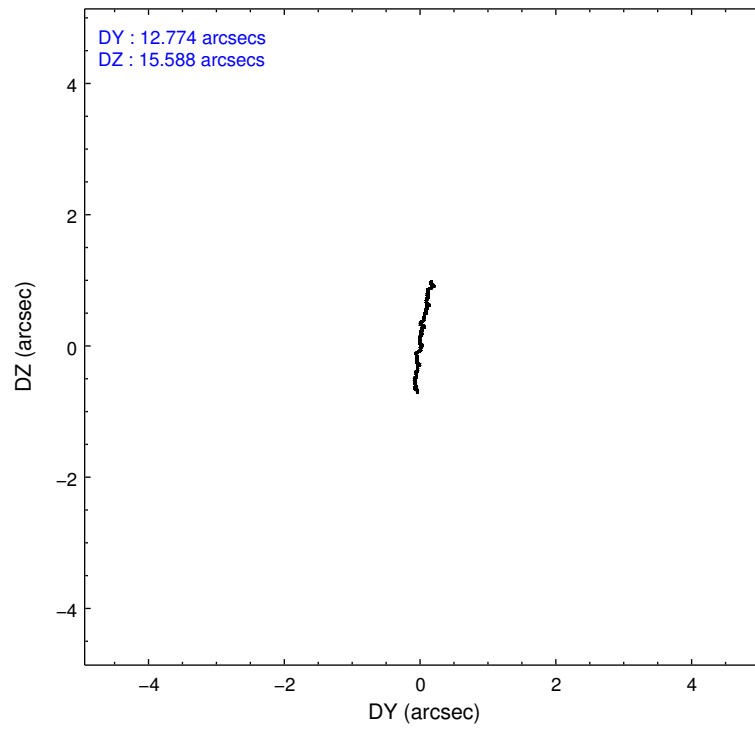
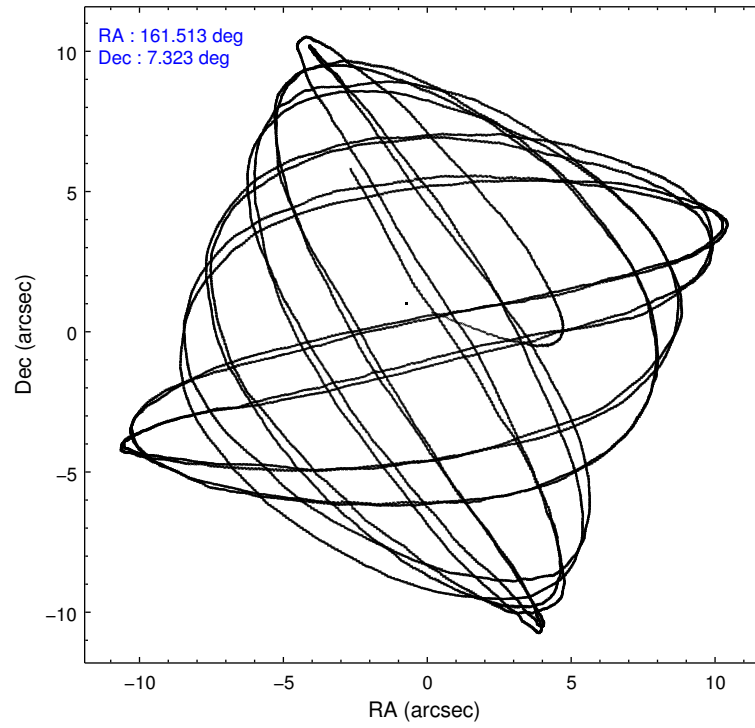
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	118846	91538	85290	110511
rejected events	59039	83022	46087	83322
rejected %	49%	90%	54%	75%

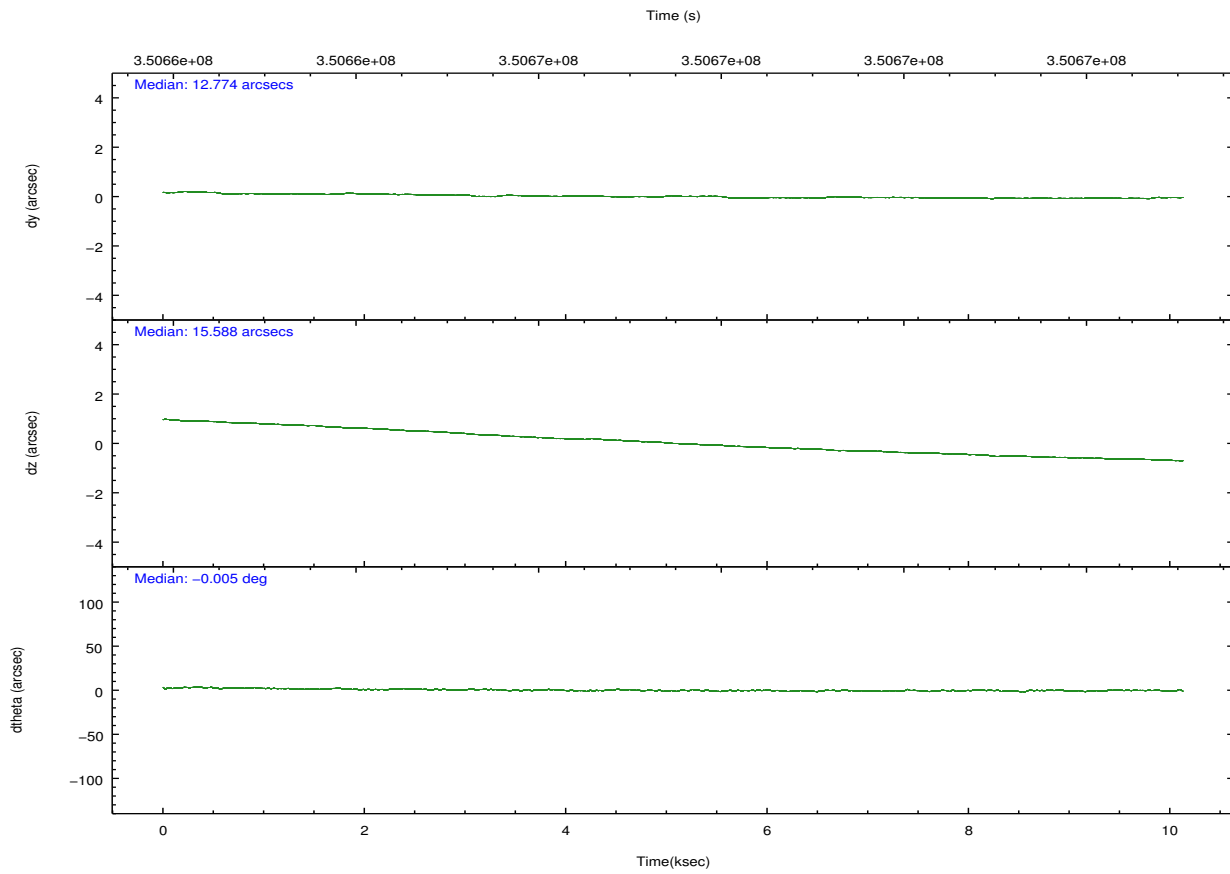
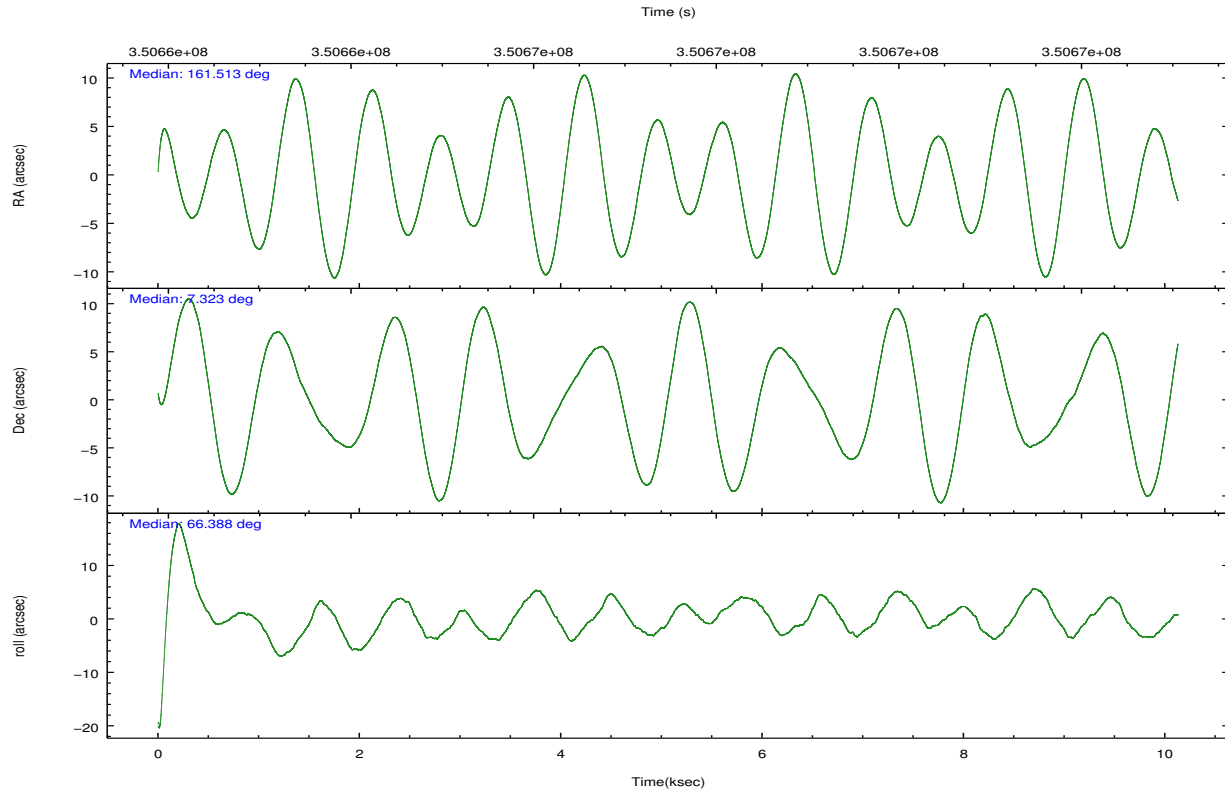
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9757	3376	4495	8279
	8%	3%	5%	7%
grade 1 events	264	62	138	102
	0%	0%	0%	0%
grade 2 events	20481	2000	9042	6721
	17%	2%	10%	6%
grade 3 events	2457	1015	4104	3459
	2%	1%	4%	3%
grade 4 events	2408	952	3993	3139
	2%	1%	4%	2%
grade 5 events	9012	3163	9110	4710
	7%	3%	10%	4%
grade 6 events	29932	1847	20906	7847
	25%	2%	24%	7%
grade 7 events	44535	79123	33502	76254
	37%	86%	39%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	161.516094	161.5126447659853	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.296339	7.323477612621461	Alternating exposures requested	N	N
[deg] Pointing Roll	66.234362	66.3913860643469	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	350662531.184000	350661196.73378			
Observation start date	2009-02-10T14:14:25	2009-02-10T13:53:16			
[s] Observation end time (MET)	350672531.184000	350673445.48439			
Observation end date	2009-02-10T17:01:05	2009-02-10T17:17:25			
Read mode	TIMED	TIMED			

2.3 Aspect



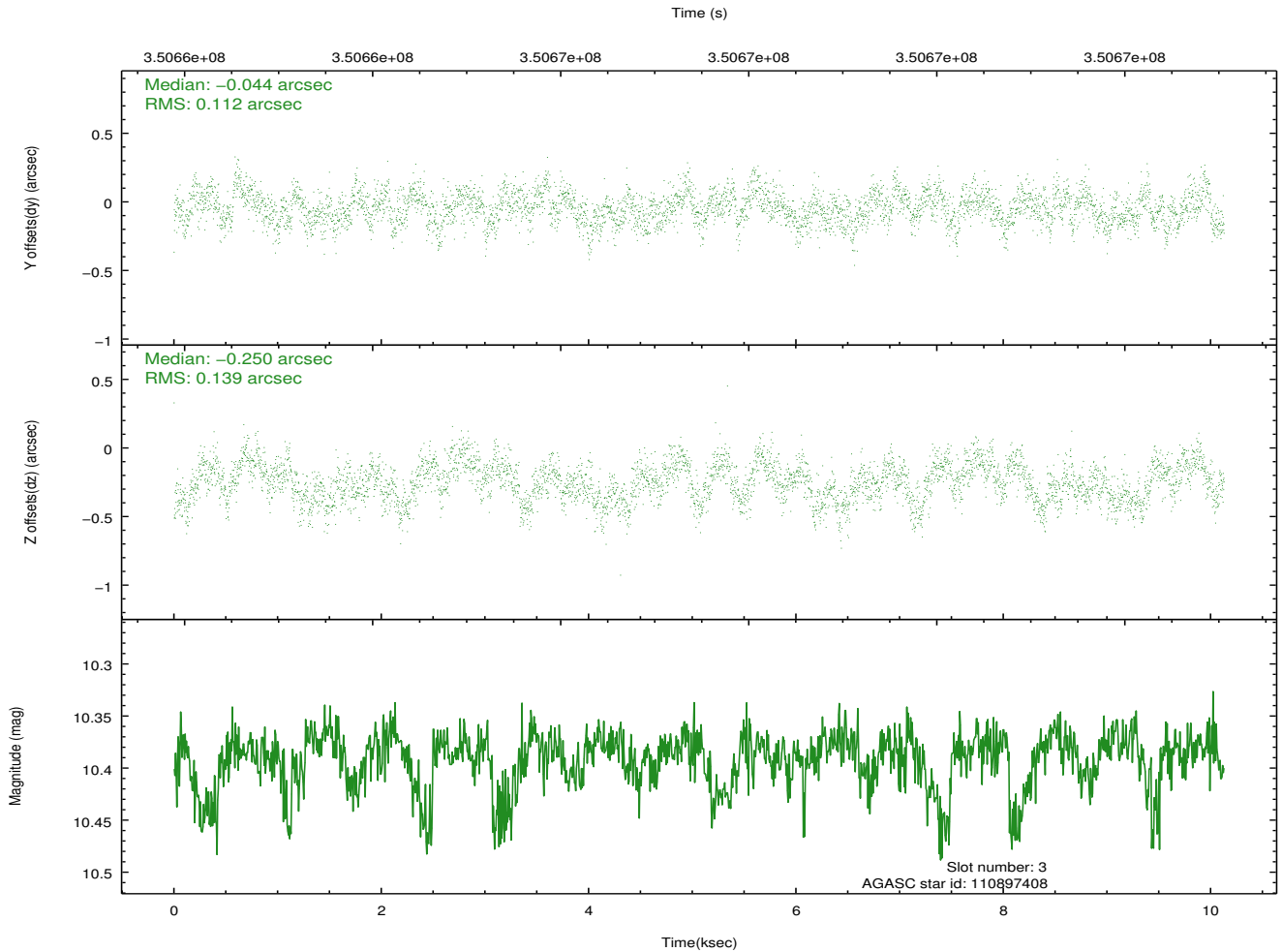
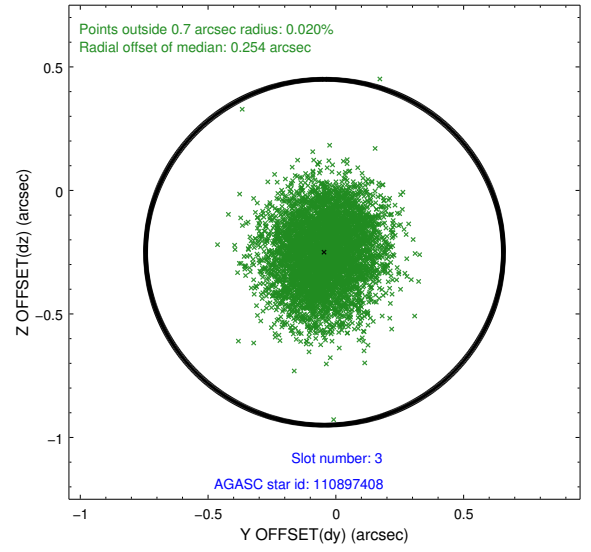
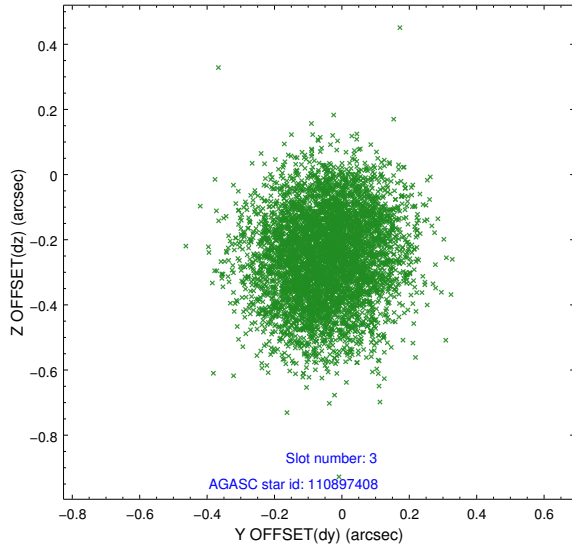


Slot Statistics

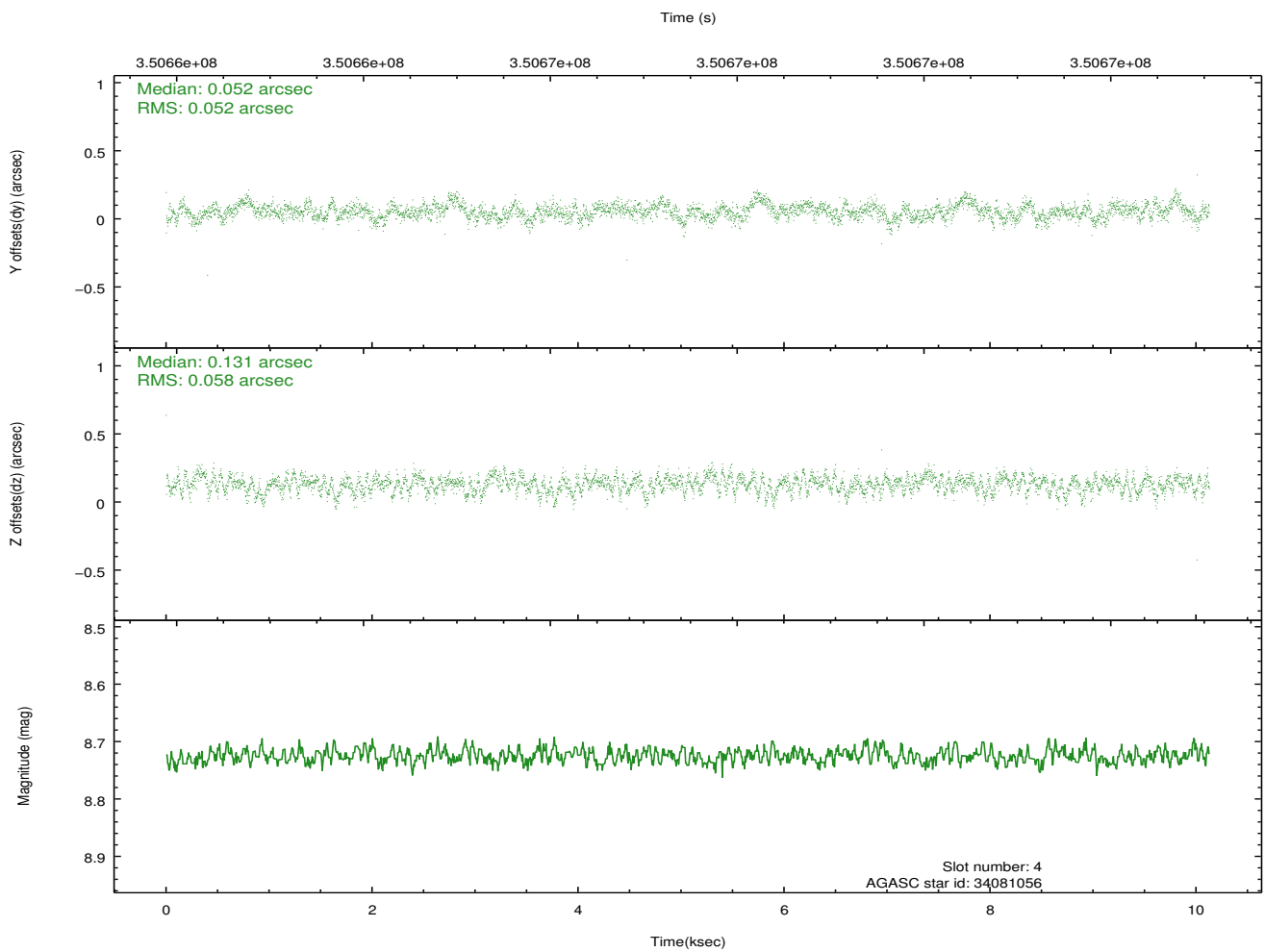
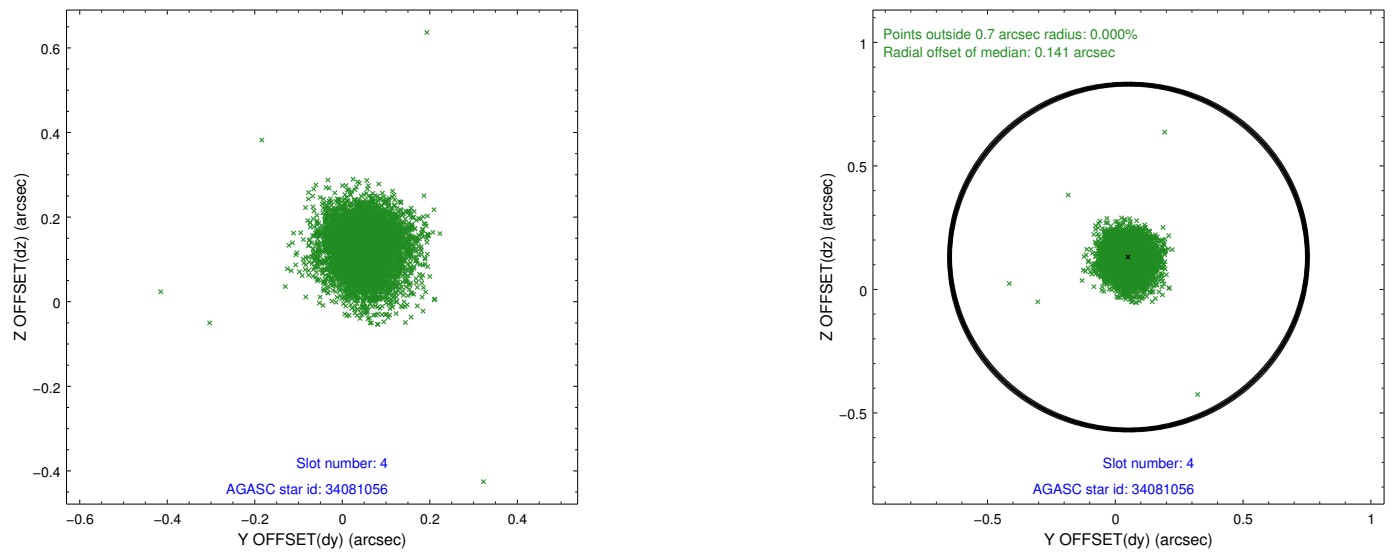
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	2471	-0.045	-0.010	0.010	0.017	0.000000	0.000000	-765.71	-1736.96
1	FID	ACIS-S-4	6.97	2471	0.150	0.024	0.008	0.014	0.000000	0.000000	2147.49	171.06
2	FID	ACIS-S-5	6.99	2471	-0.136	-0.006	0.012	0.022	0.000000	0.000000	-1818.01	165.23
3	GUIDE	110897408	10.39	4929	-0.044	-0.250	0.192	0.300	161.293297	7.675200	928.28	1276.97
4	GUIDE	34081056	8.73	4939	0.052	0.131	0.082	0.130	162.119383	7.010257	-71.96	-2387.12
5	GUIDE	34079848	10.02	4928	-0.022	0.203	0.158	0.263	162.053232	6.853205	-684.87	-2399.93
6	GUIDE	110896480	10.07	4931	-0.106	-0.208	0.162	0.258	160.991093	7.602085	253.08	2157.54
7	GUIDE	110892088	10.20	4934	0.122	0.128	0.192	0.306	161.269584	8.140499	2427.55	2029.57

2.4 Star Slots

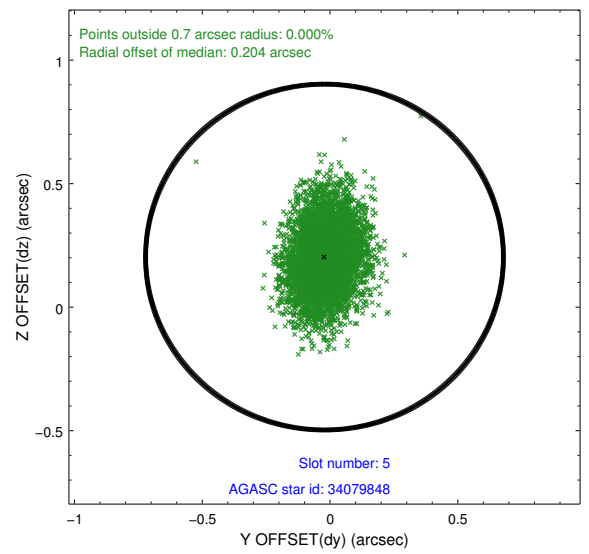
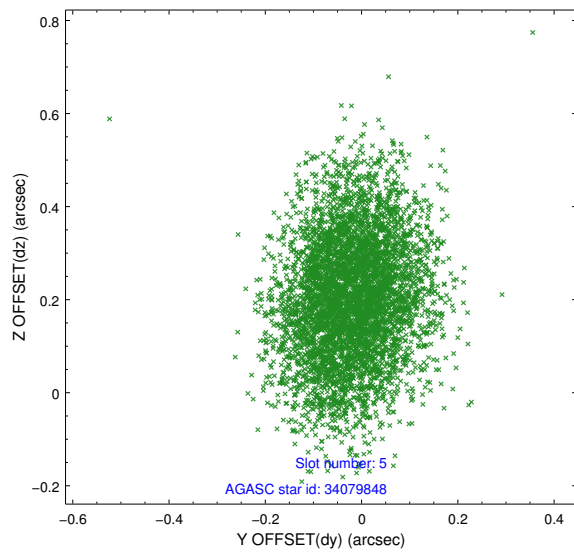
2.4.1 Slot 3



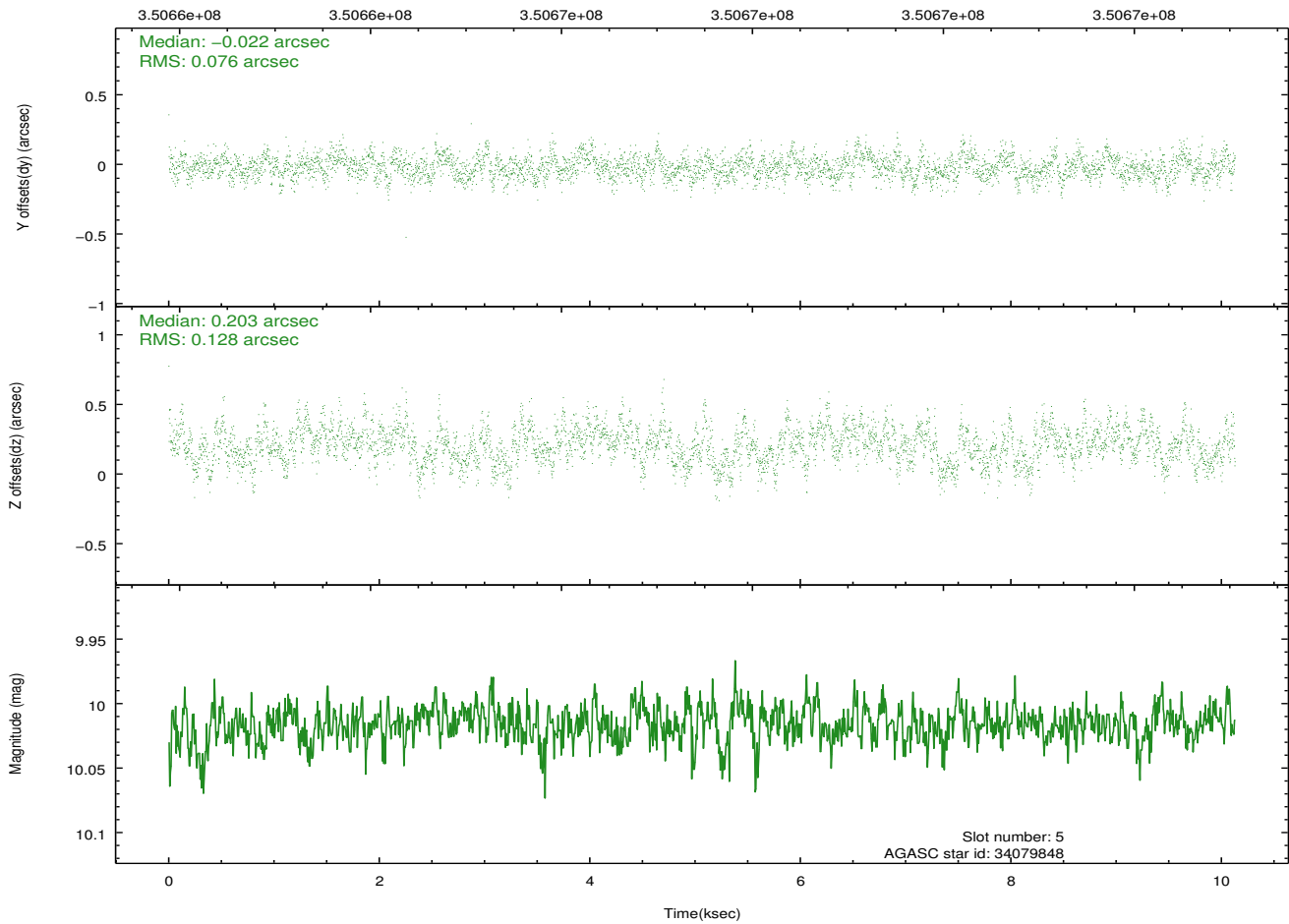
2.4.2 Slot 4



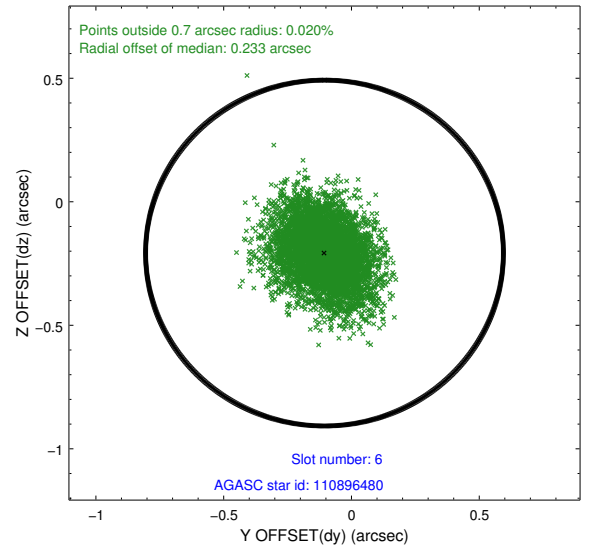
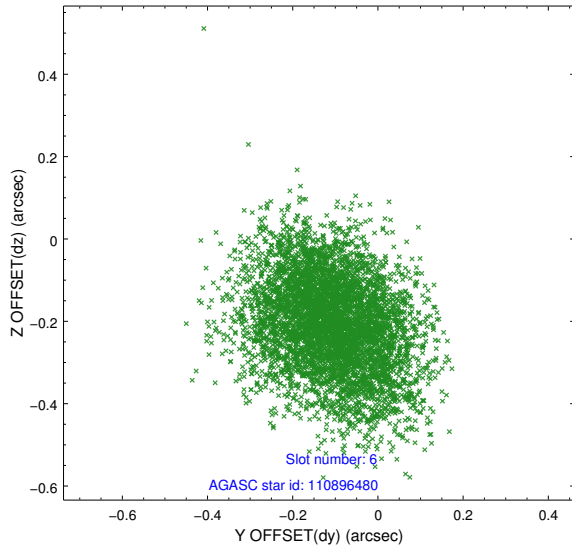
2.4.3 Slot 5



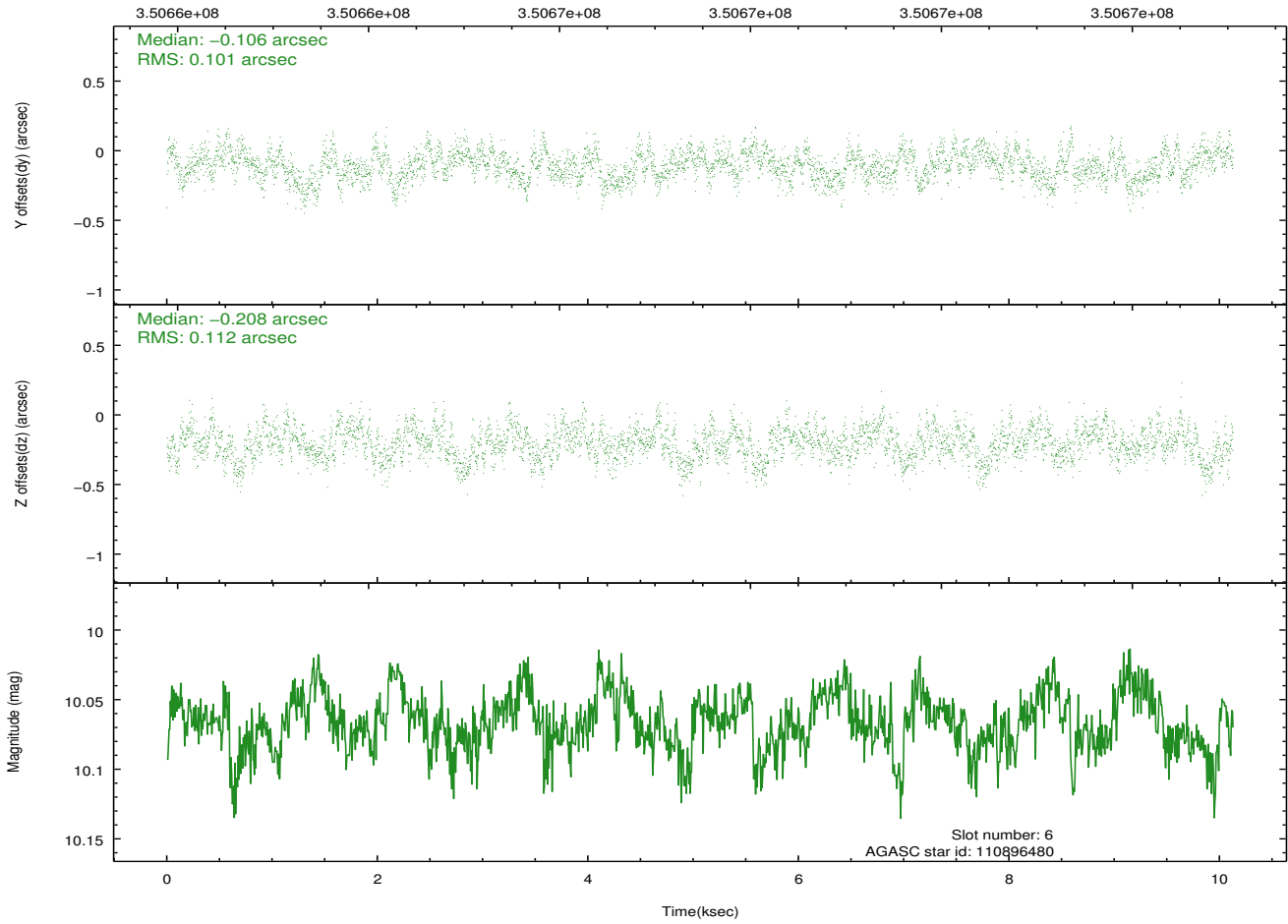
Time (s)



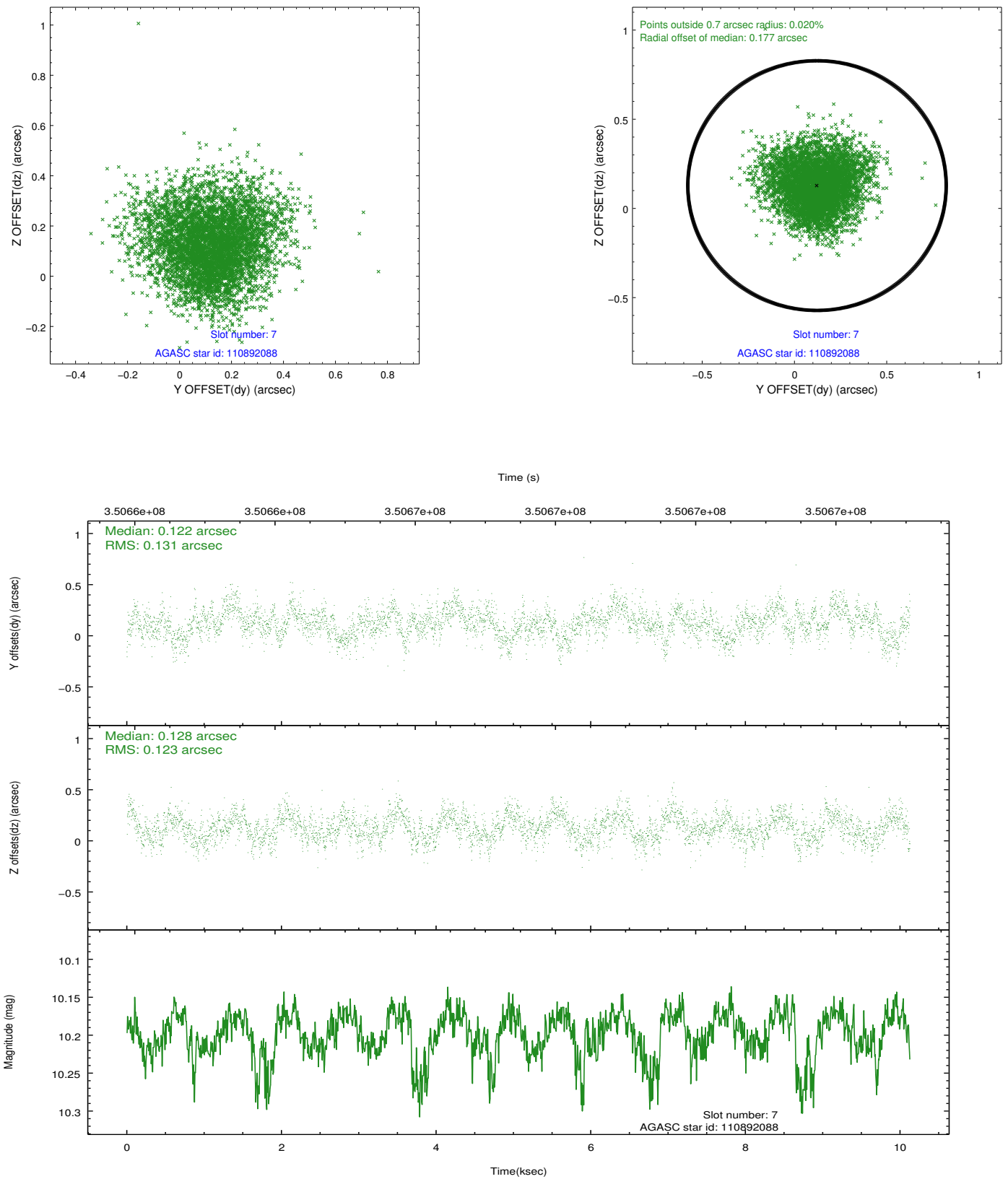
2.4.4 Slot 6



Time (s)

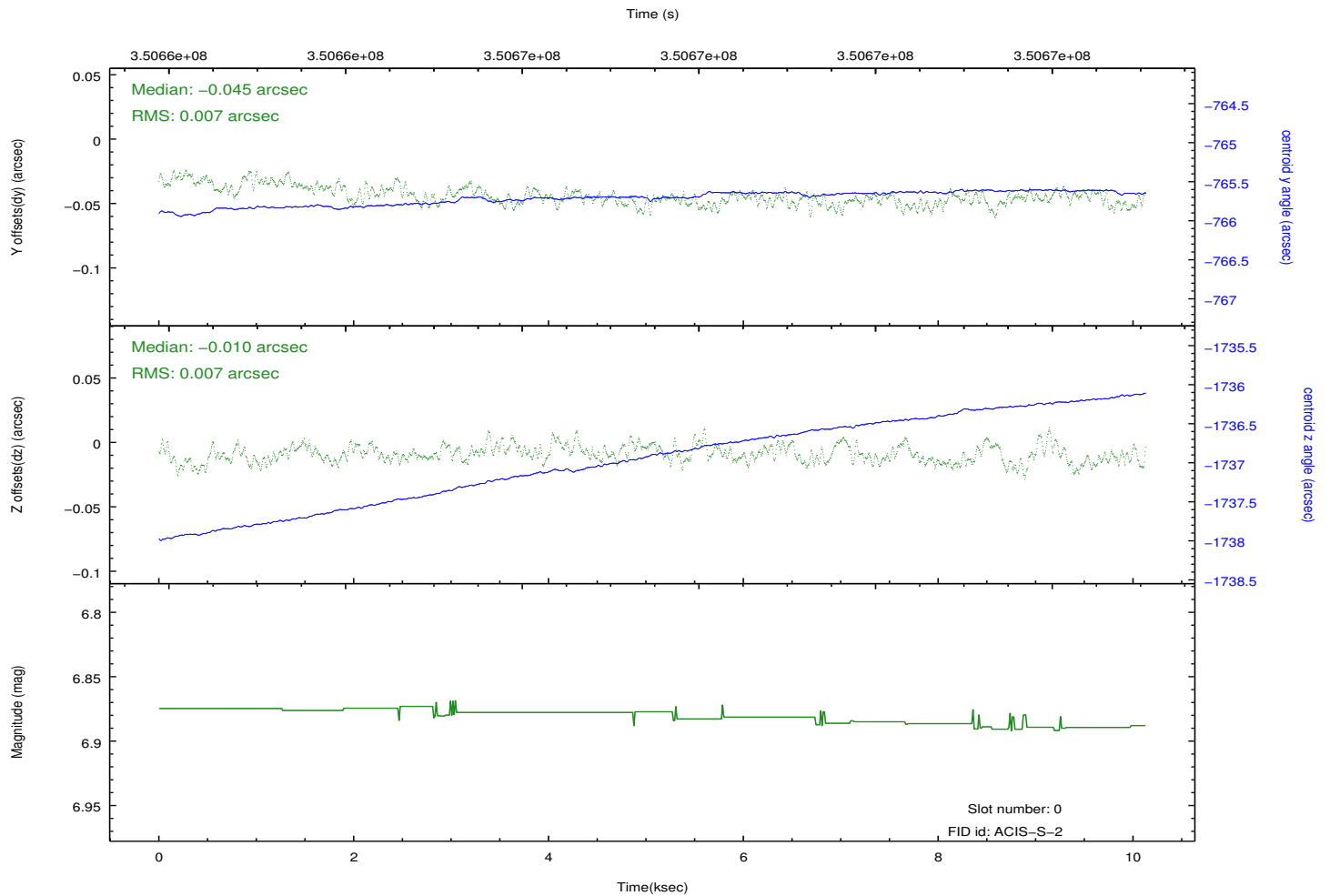
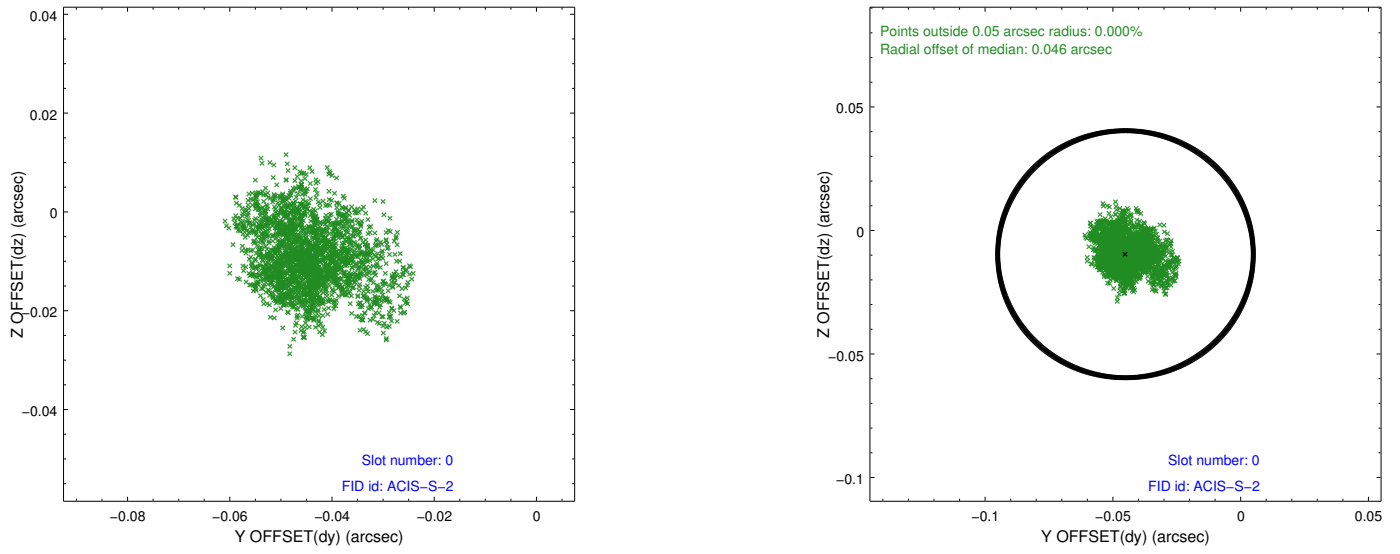


2.4.5 Slot 7

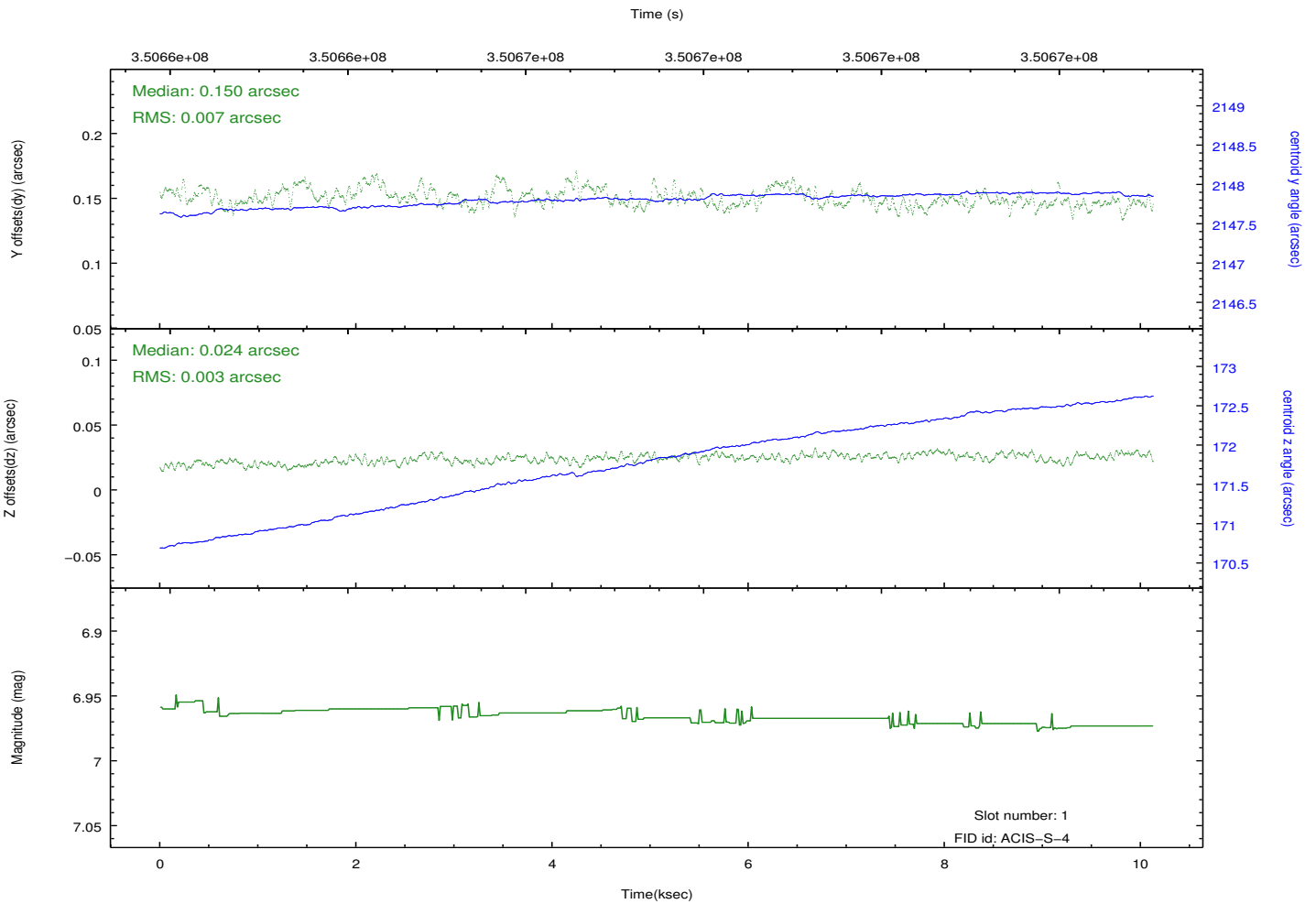
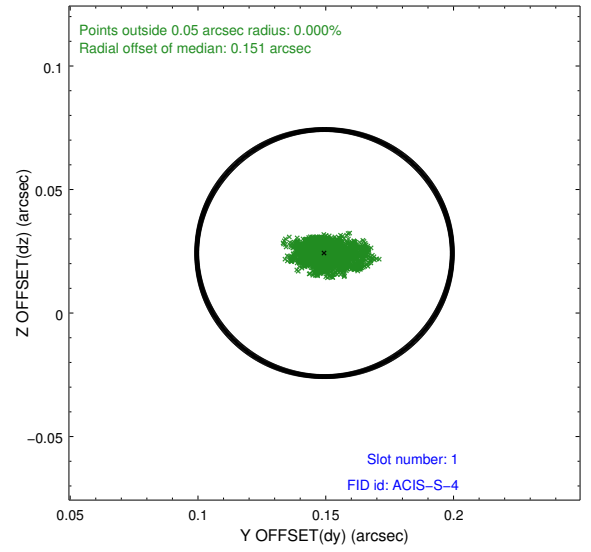
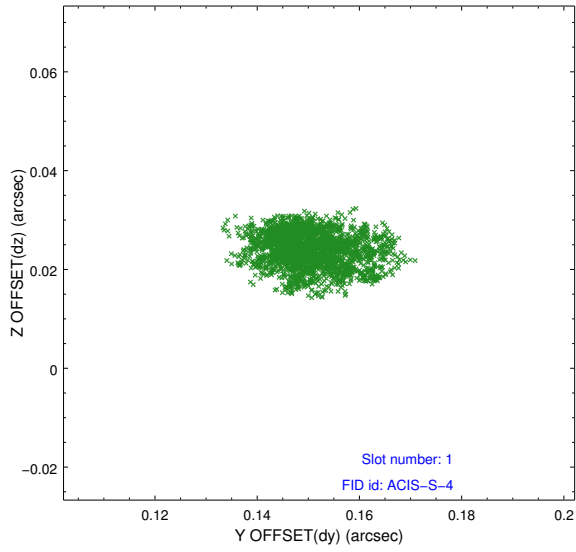


2.5 FID Slots

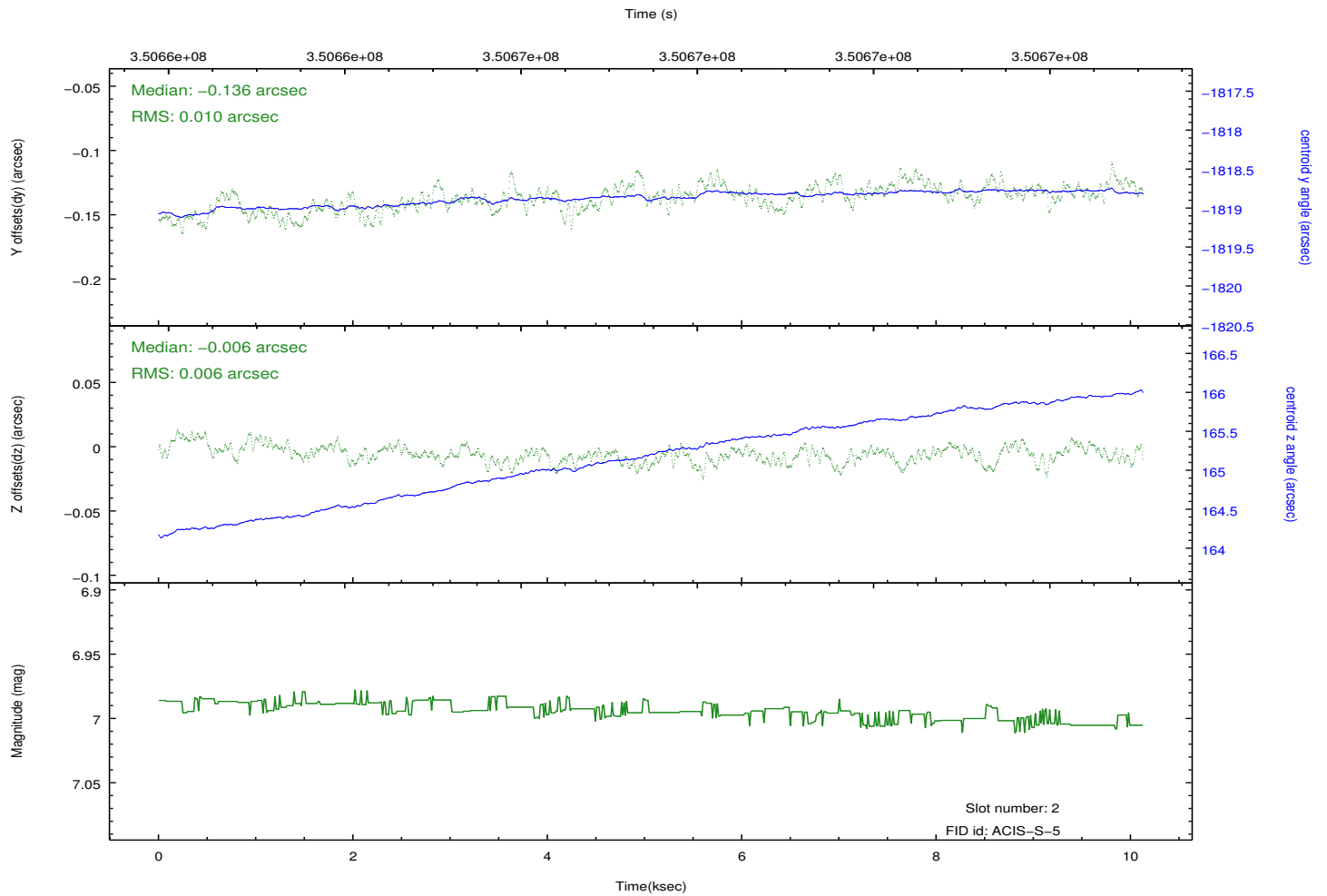
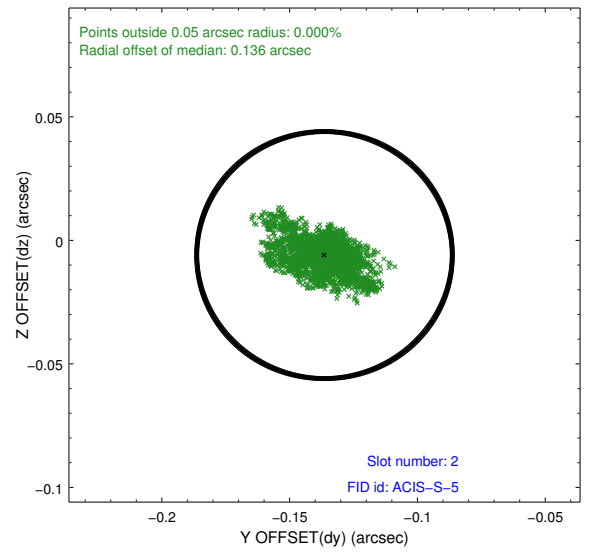
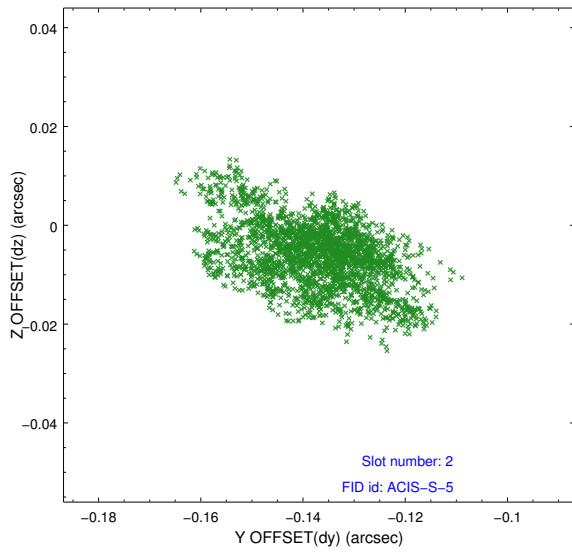
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1246

A.2 Comments