

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 421 - L2 Version 3
Chandra X-Ray Center

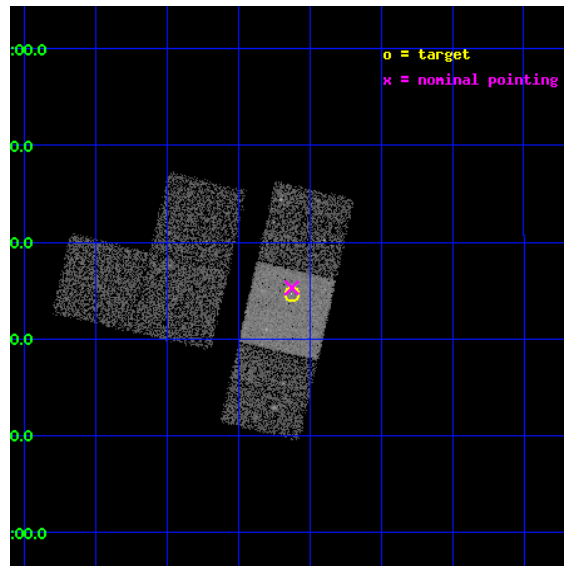
L2 Processing Date : Aug 31 2012

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1 Front

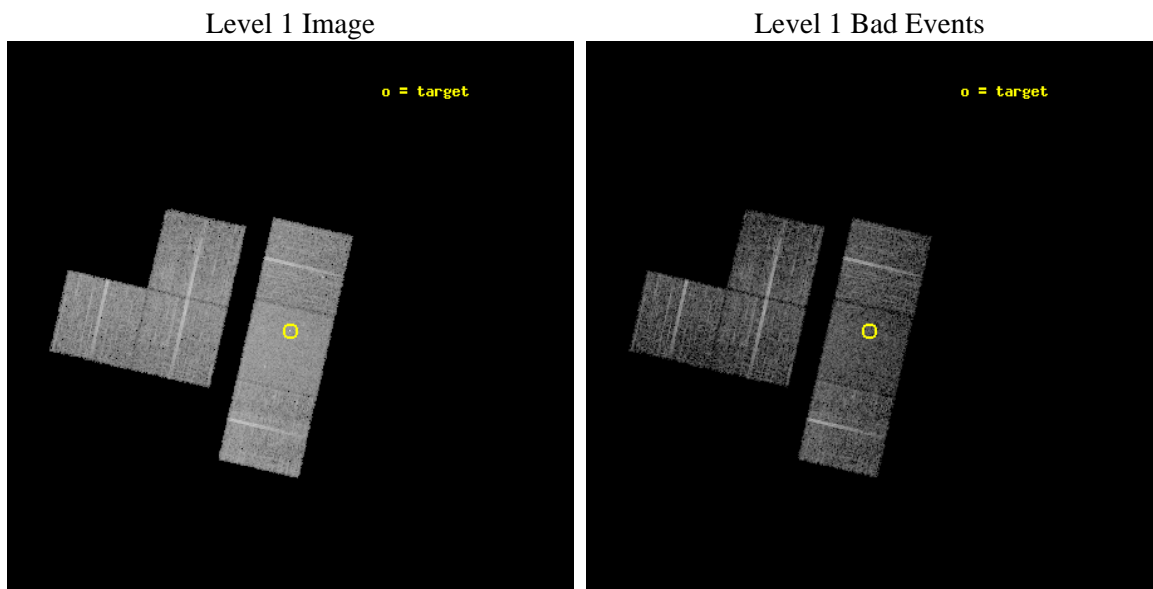
seq_num	700093	Sequence number
obs_id	421	Observation id
title	A SURVEY OF GRAVITATIONALLY LENSED QUASARS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	MITG J0414+0534	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	63.657083	Observer's specified target RA [deg]
dec_targ	5.578333	Observer's specified target Dec [deg]
ra_nom	63.656621898353	Nominal RA [deg]
dec_nom	5.5882114178822	Nominal Dec [deg]
roll_nom	102.92554849623	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7340.8000068218	Sum of GTIs [s]
livetime	7247.8463770363	Livetime [s]
ontime1	7340.8000068218	Sum of GTIs [s]
ontime2	7340.7630953044	Sum of GTIs [s]
ontime3	7340.8000068218	Sum of GTIs [s]
ontime6	7340.8000068218	Sum of GTIs [s]
ontime7	7340.8000068218	Sum of GTIs [s]
ontime8	7340.8000068218	Sum of GTIs [s]
l2events	43679	Number of level 2 events



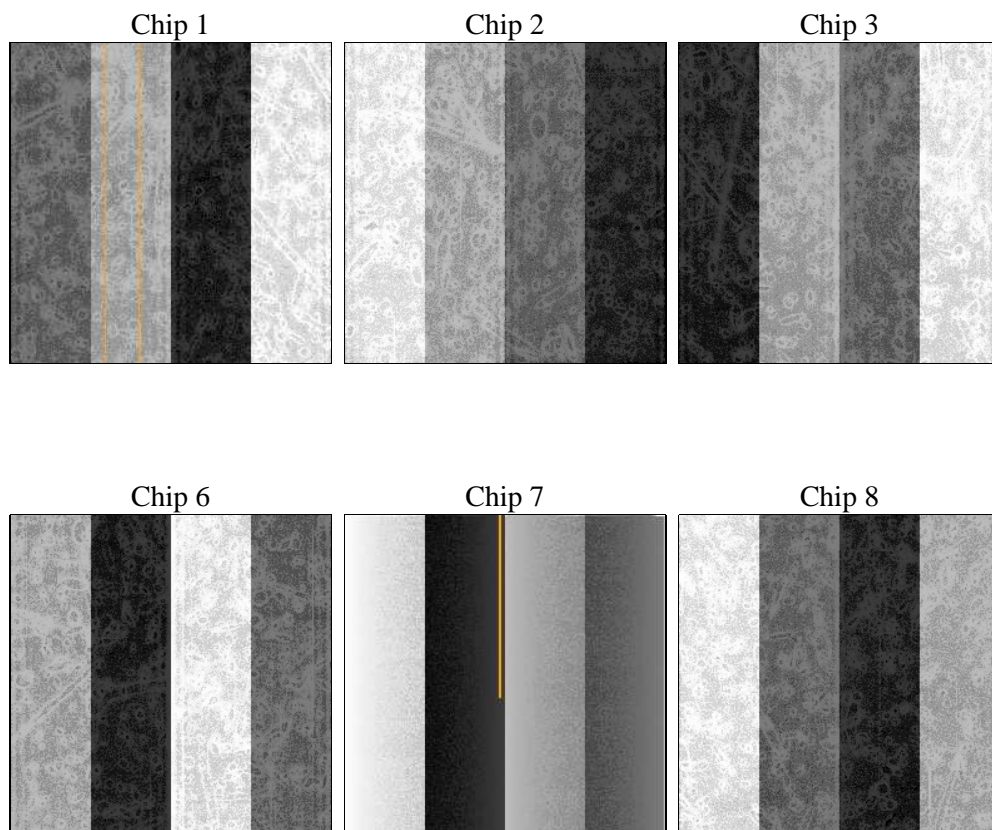
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	7390.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7340.8000068218	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime1	7340.8000068218	Sum of GTIs [s]
date	2012-08-31T12:35:07	Date and time of file creation	ontime2	7340.7630953044	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	7340.8000068218	Sum of GTIs [s]
			ontime6	7340.8000068218	Sum of GTIs [s]
			ontime7	7340.8000068218	Sum of GTIs [s]
			ontime8	7340.8000068218	Sum of GTIs [s]
			l1events	268439	Number of level 1 events

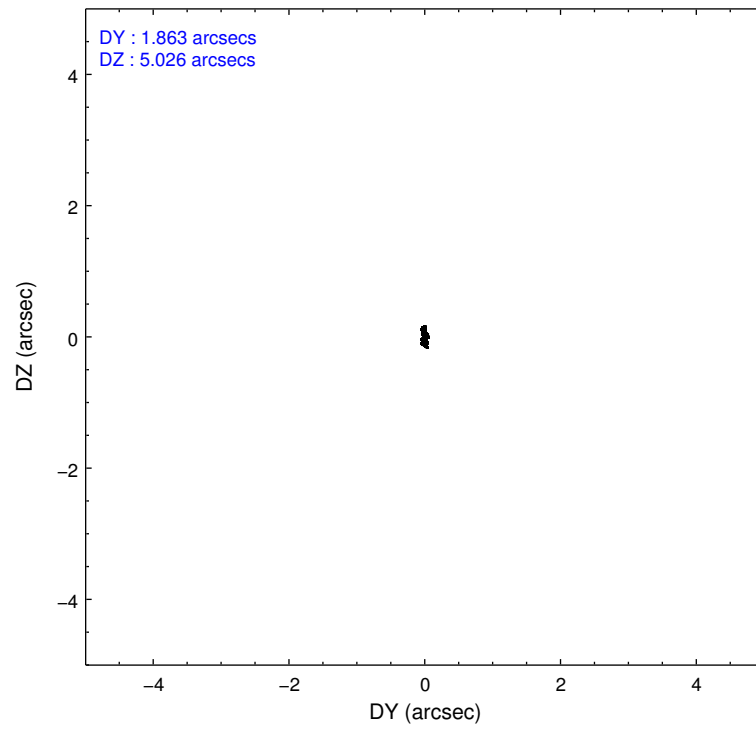
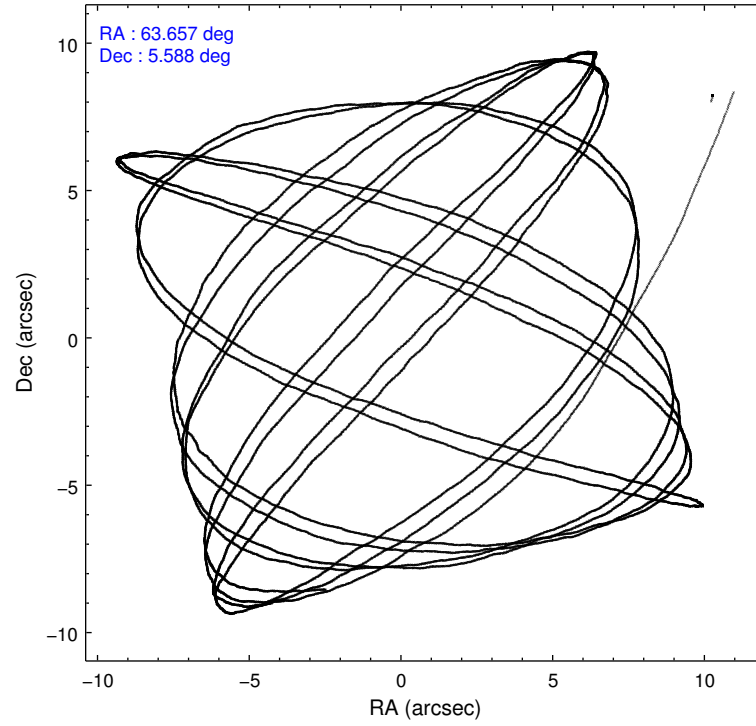
2.1.4 Events

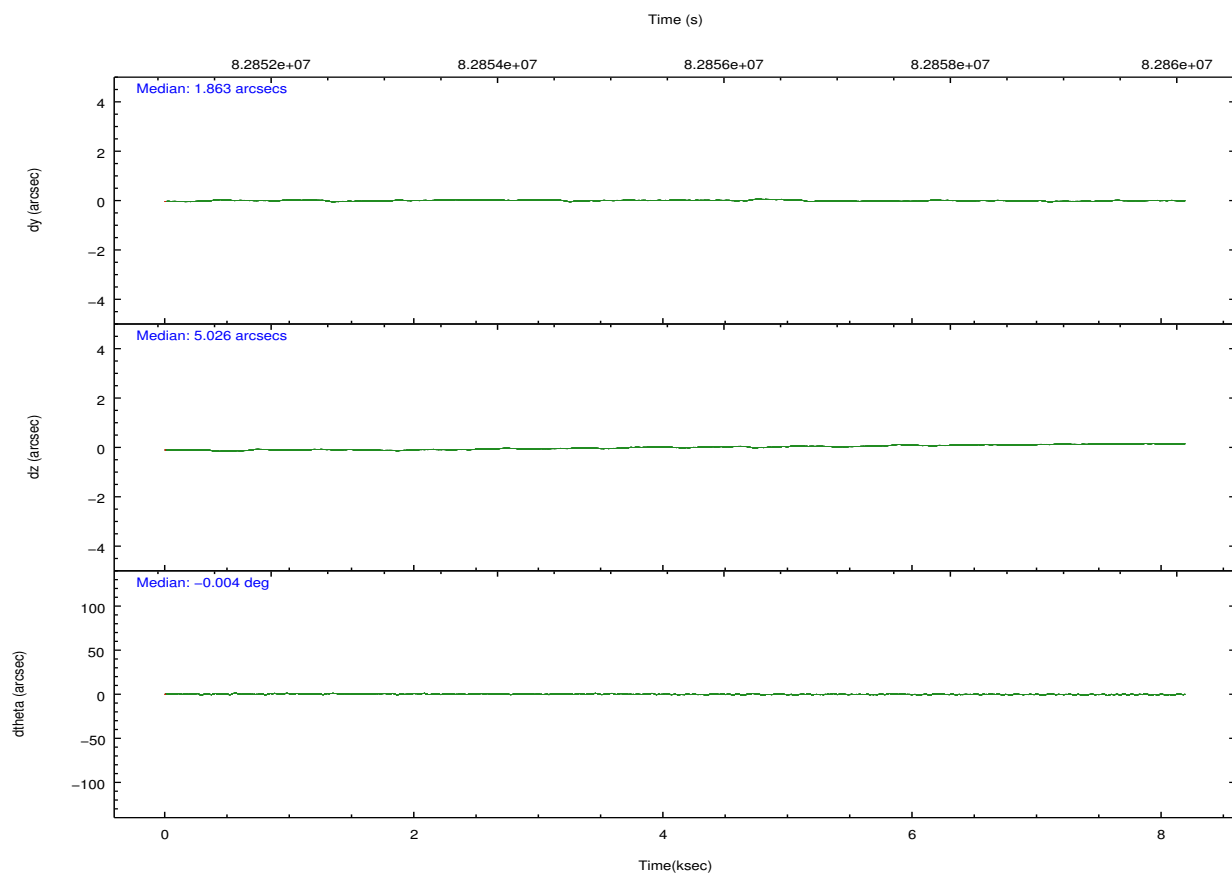
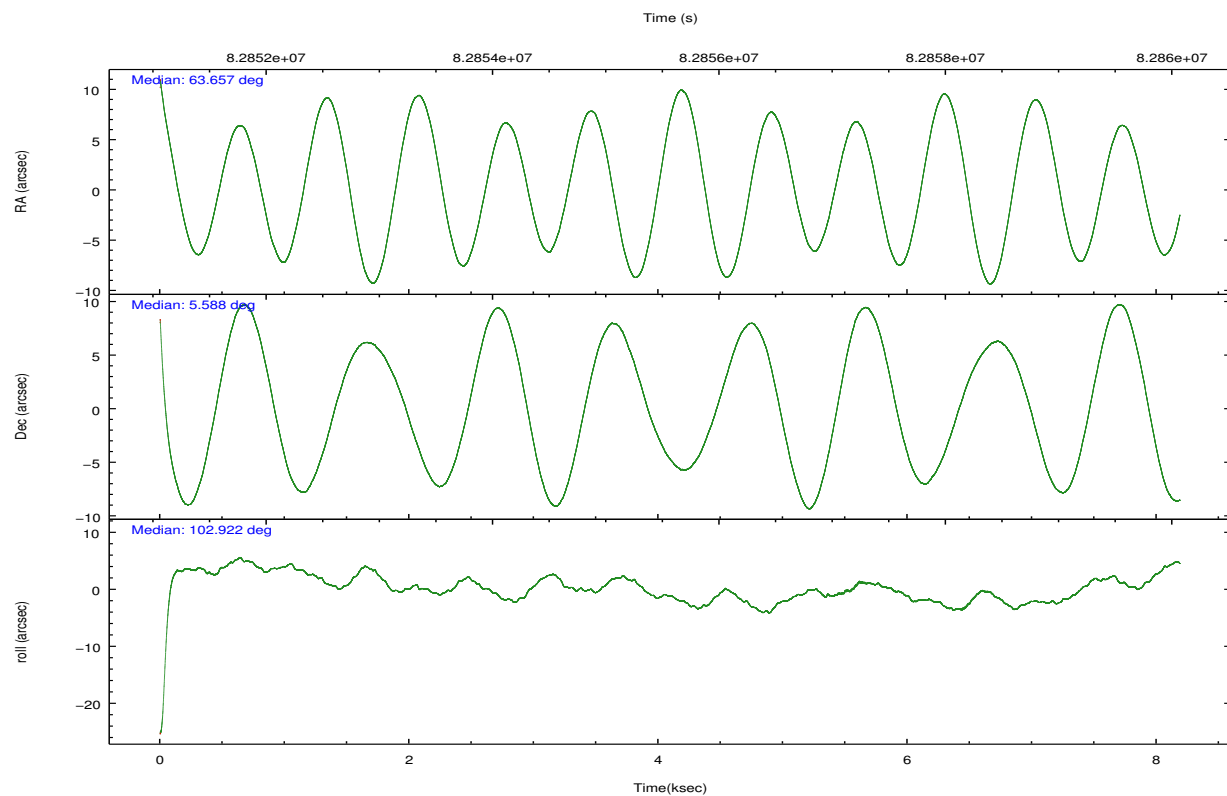
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	39985	40362	40879	41800	52473	52940	grade 0 events	2015	1914	2129	2159	2334	3643
rejected events	34892	35750	36011	36747	29902	42074		5%	4%	5%	5%	4%	6%
rejected %	87%	88%	88%	87%	56%	79%	grade 1 events	19	14	17	17	45	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	1063	991	1003	997	4492	2194
								2%	2%	2%	2%	8%	4%
							grade 3 events	520	461	440	491	2061	1321
								1%	1%	1%	1%	3%	2%
							grade 4 events	517	435	427	470	2155	1196
								1%	1%	1%	1%	4%	2%
							grade 5 events	1612	1327	1532	1644	4984	2126
								4%	3%	3%	3%	9%	4%
							grade 6 events	984	816	874	938	11547	2519
								2%	2%	2%	2%	22%	4%
							grade 7 events	33255	34404	34457	35084	24855	39901
								83%	85%	84%	83%	47%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	63.675507	63.65662189835296	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.568309	5.588211417882247	Alternating exposures requested	N	N
[deg] Pointing Roll	102.767134	102.9255484962265	[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)	82852275.184000	82850912.72774			
Observation start date	2000-08-16T22:30:11	2000-08-16T22:08:32			
[s] Observation end time (MET)	82859665.184000	82860145.928086			
Observation end date	2000-08-17T00:33:21	2000-08-17T00:42:25			
Read mode	TIMED	TIMED			

2.3 Aspect



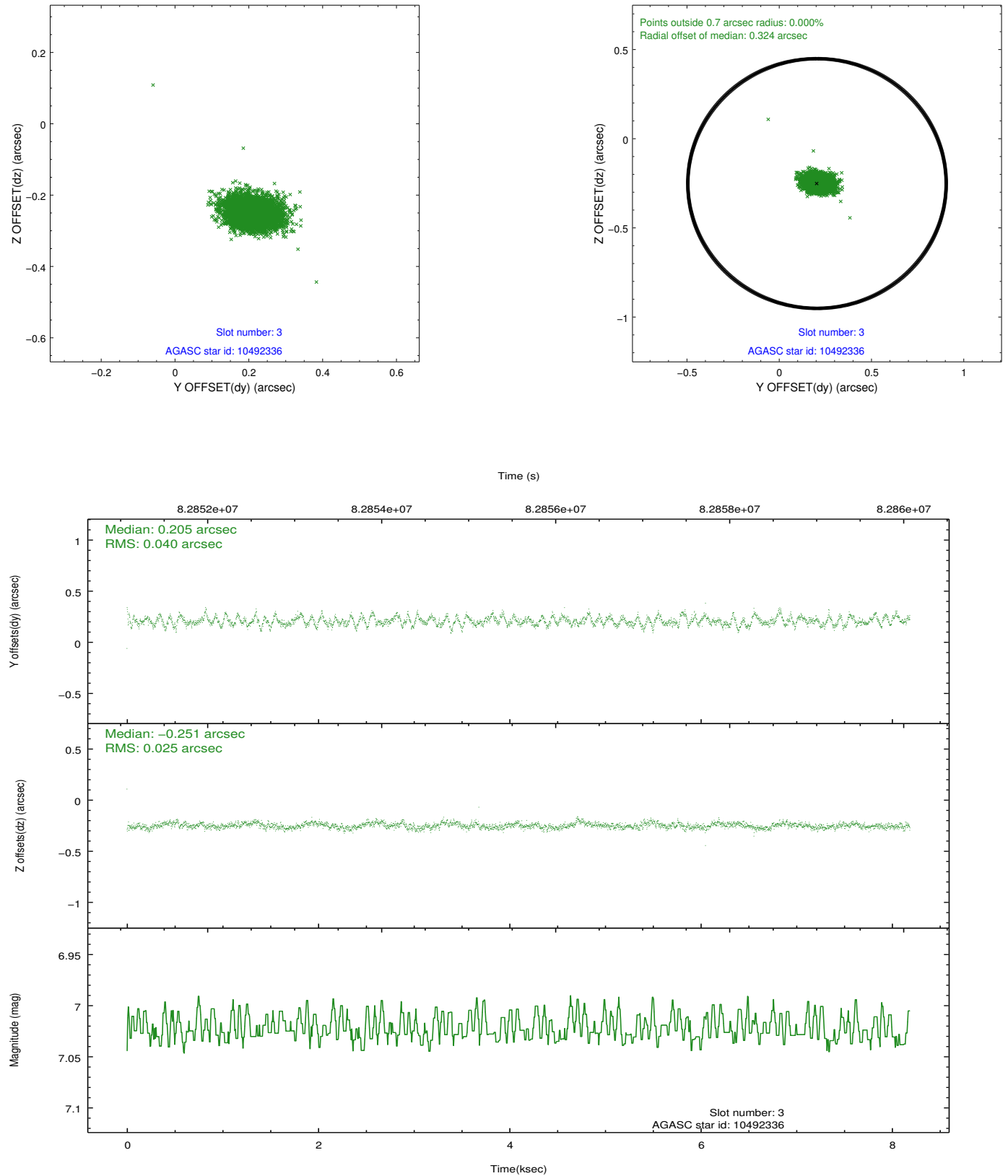


Slot Statistics

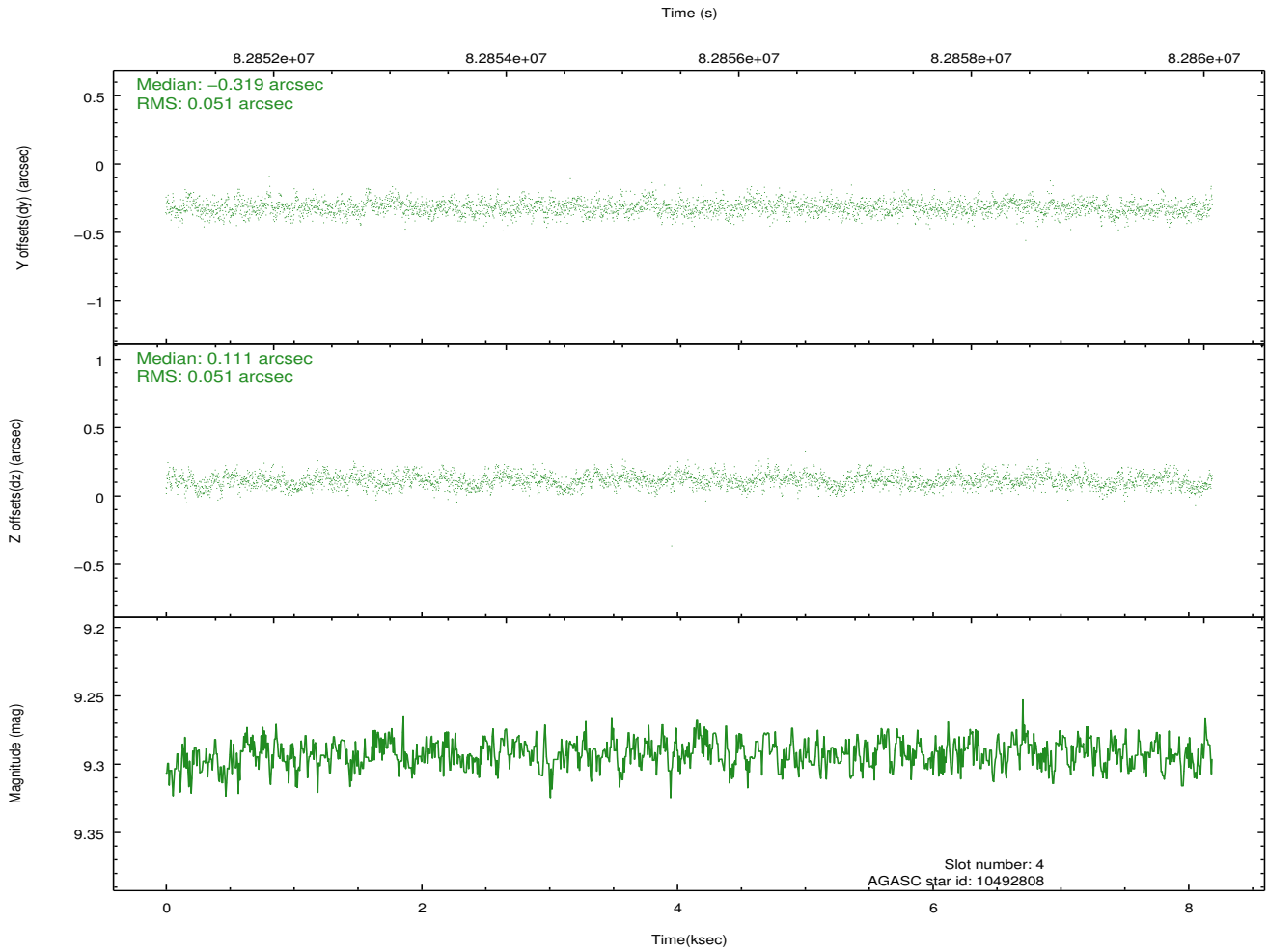
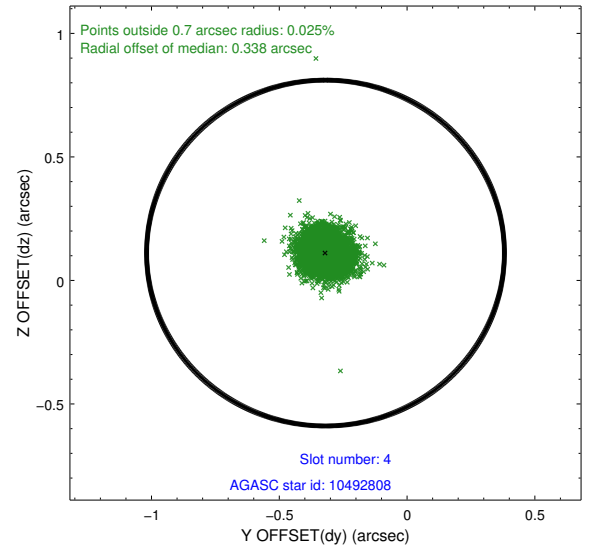
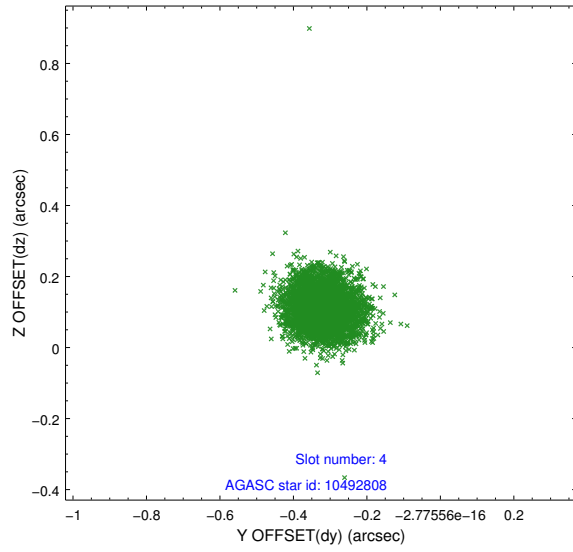
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1998	-0.033	-0.001	0.006	0.011	0.000000	0.000000	-754.49	-1726.09
1	FID	ACIS-S-4	7.21	1998	-0.011	0.016	0.006	0.010	0.000000	0.000000	2158.49	181.73
2	FID	ACIS-S-5	7.23	1997	0.013	-0.006	0.007	0.012	0.000000	0.000000	-1806.42	176.12
3	GUIDE	10492336	7.02	3995	0.205	-0.251	0.049	0.083	63.181049	5.030869	-1494.27	2156.70
4	GUIDE	10492808	9.29	3995	-0.319	0.111	0.075	0.121	63.555055	6.190155	2278.02	-73.28
5	GUIDE	10493912	9.38	3993	0.175	-0.021	0.092	0.148	63.610162	5.180568	-1308.77	537.01
6	GUIDE	10493872	9.41	3995	0.180	-0.036	0.084	0.135	63.703184	5.387990	-655.07	46.99
7	GUIDE	10493112	10.01	3992	-0.245	0.194	0.139	0.219	64.100101	6.243602	2035.56	-2018.81

2.4 Star Slots

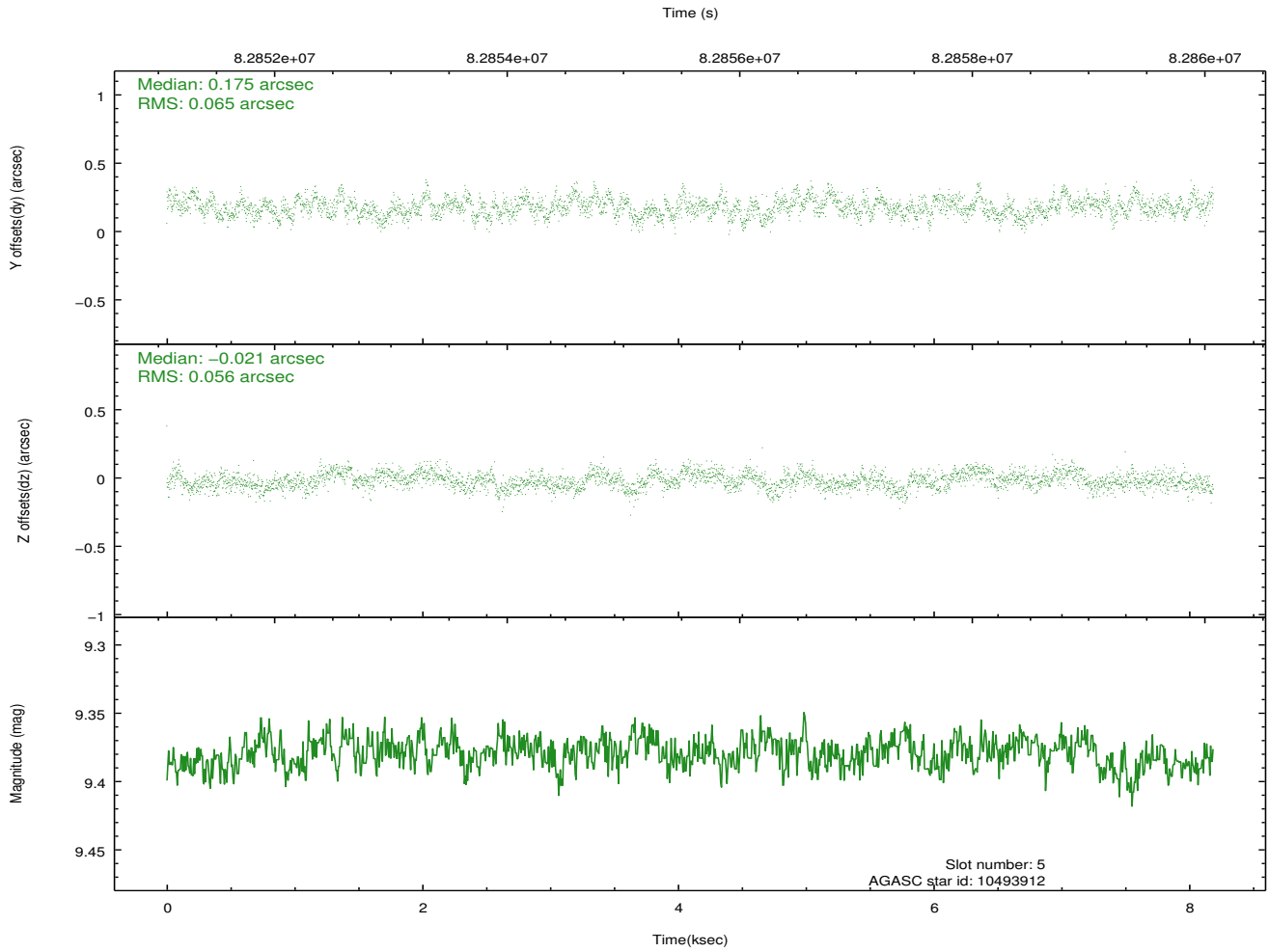
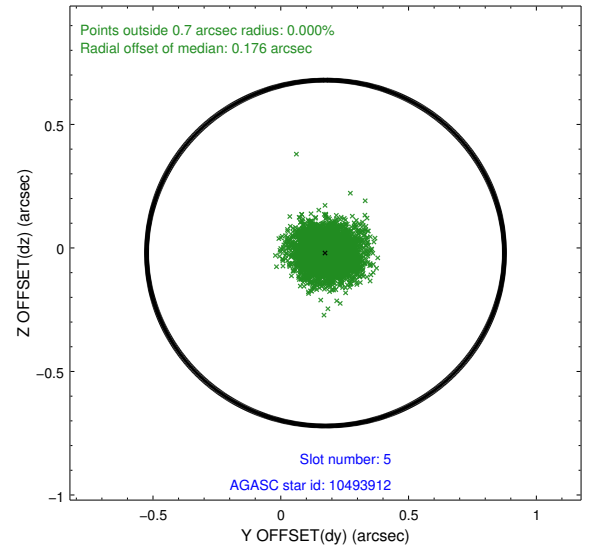
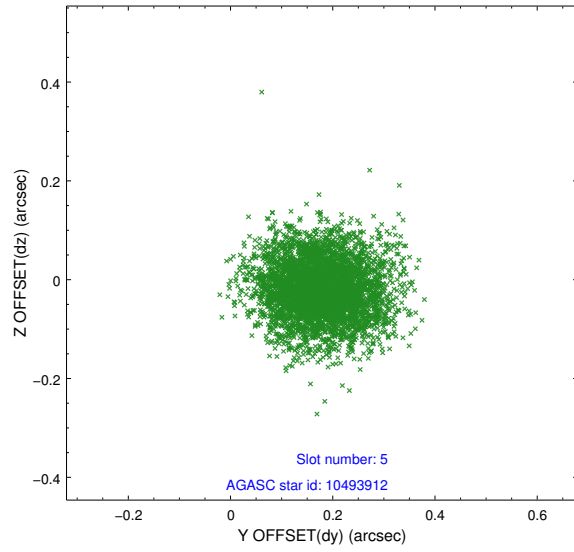
2.4.1 Slot 3



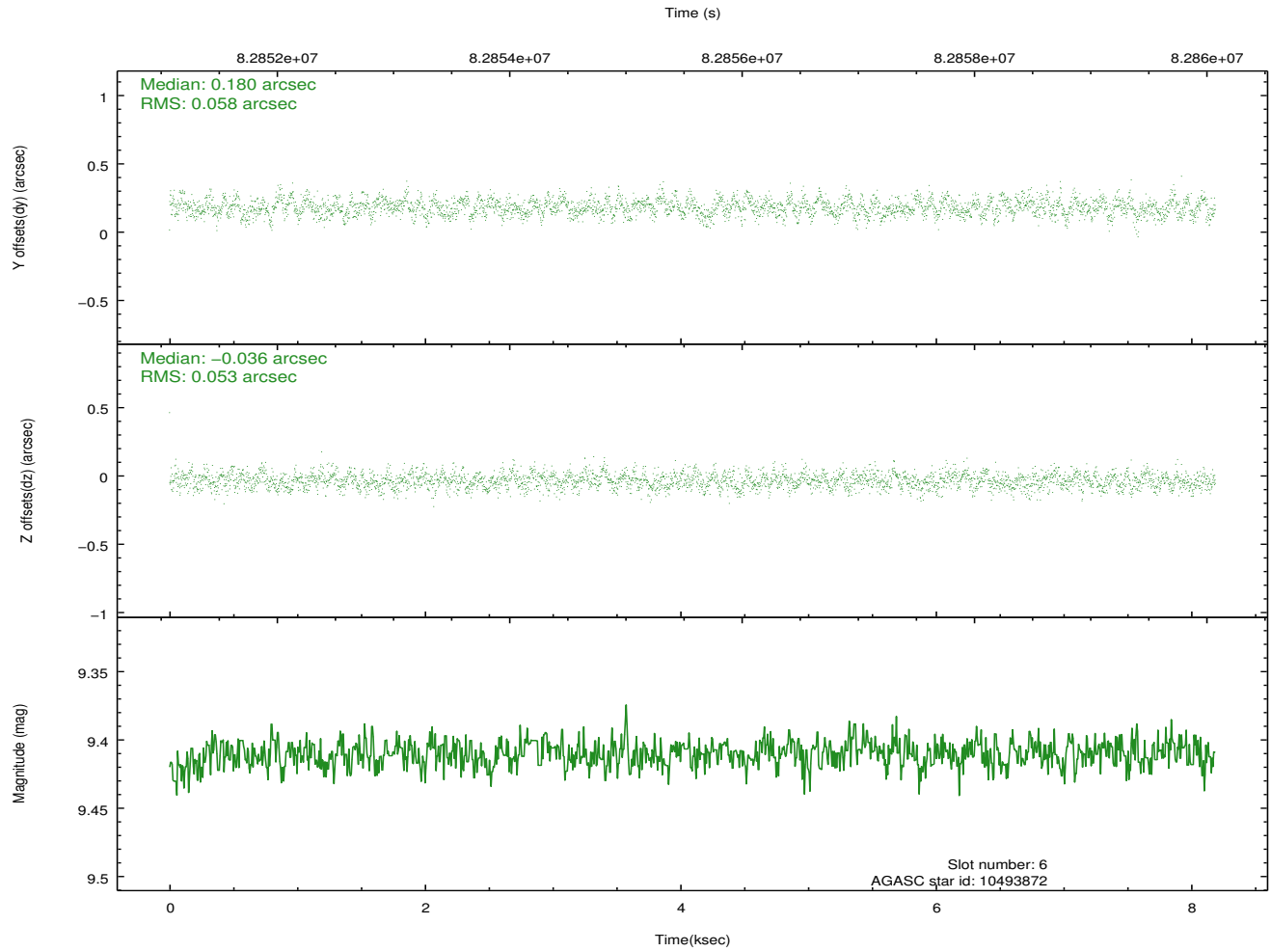
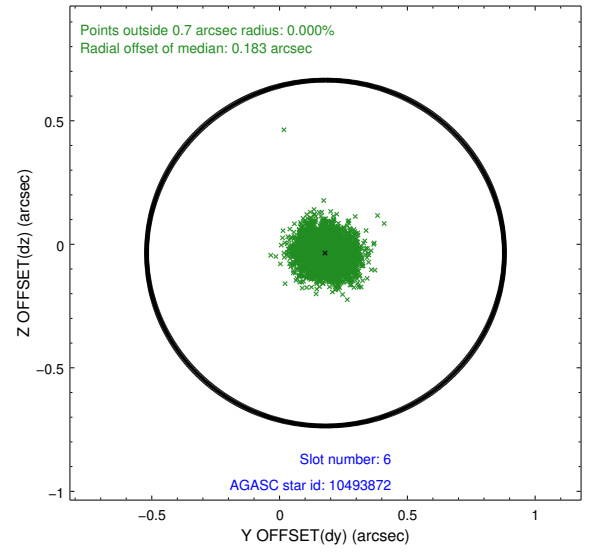
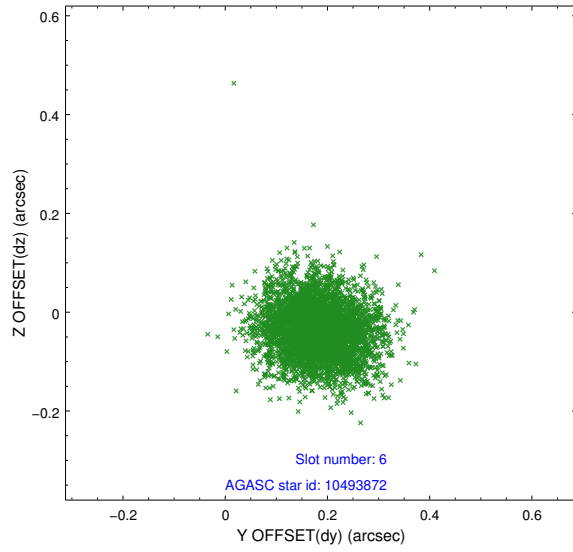
2.4.2 Slot 4



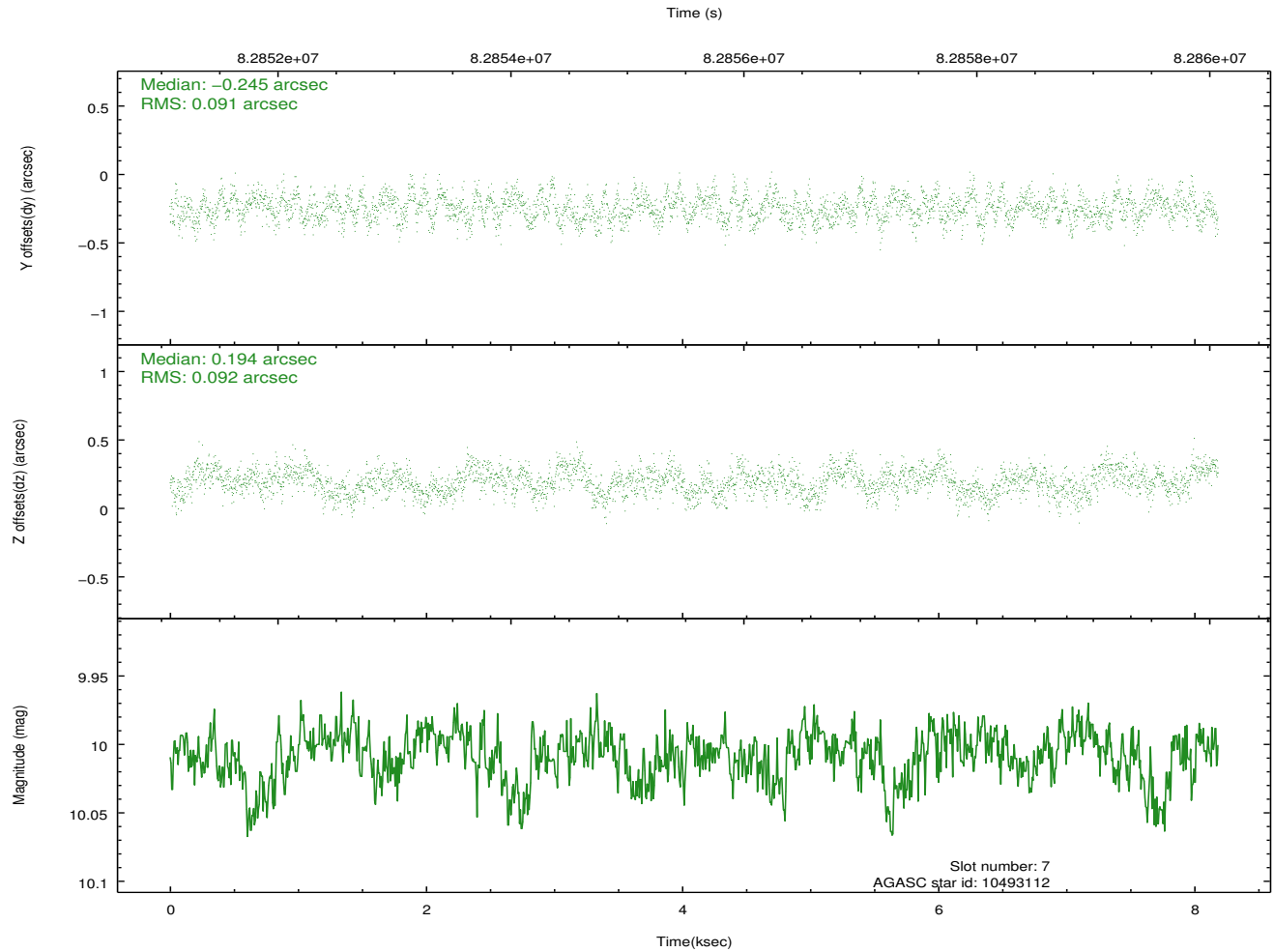
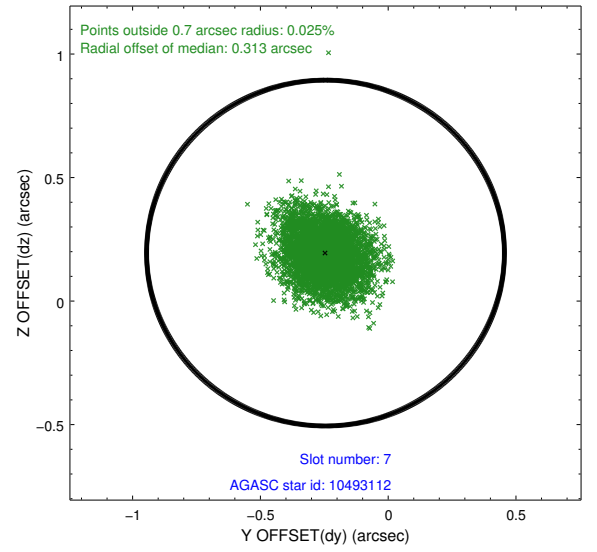
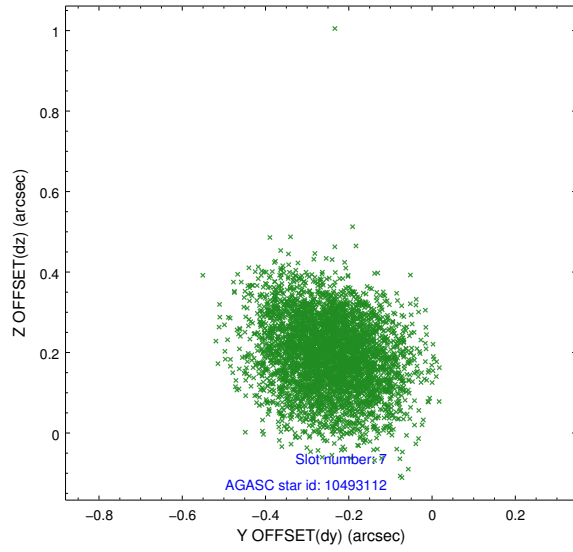
2.4.3 Slot 5



2.4.4 Slot 6

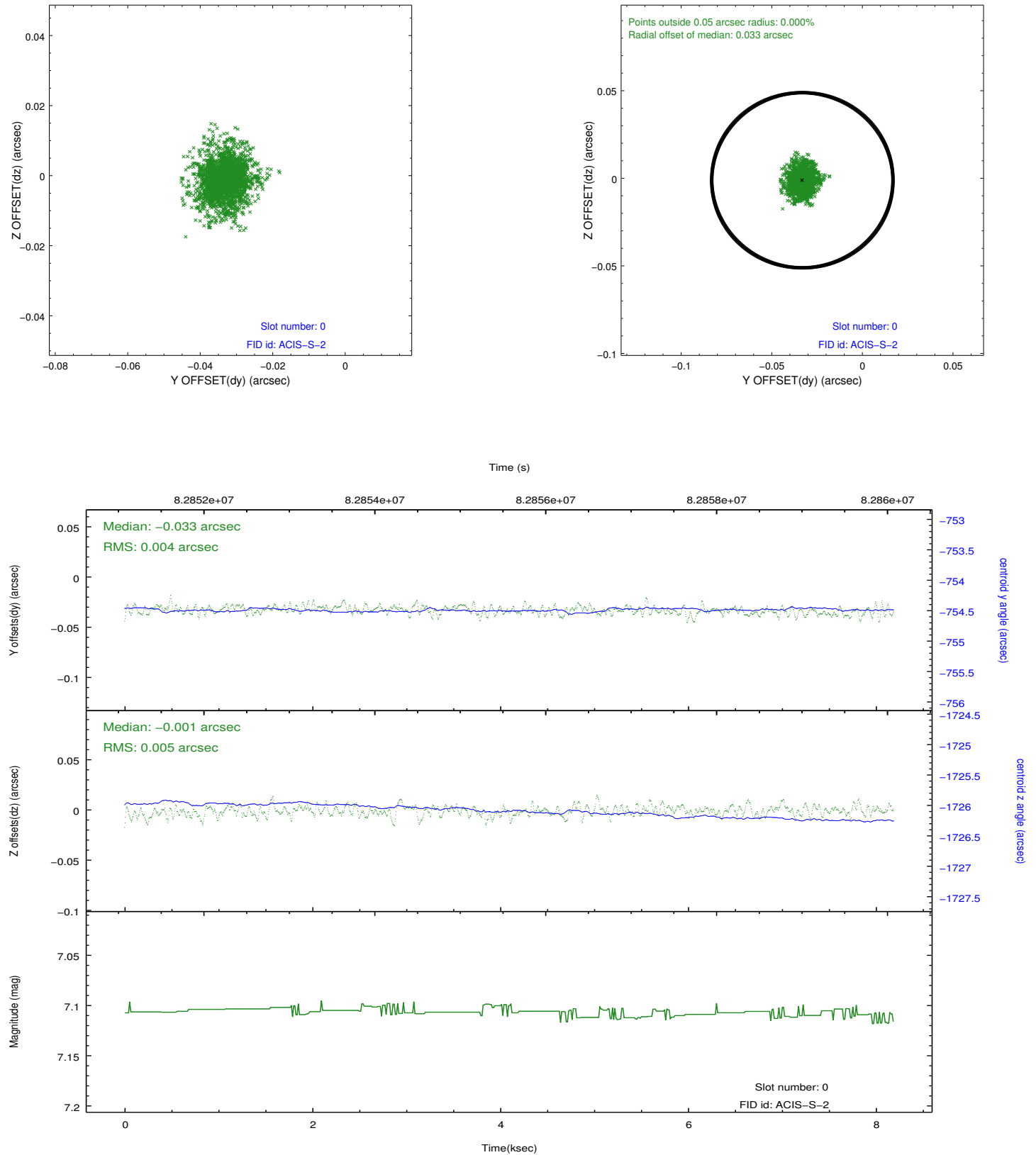


2.4.5 Slot 7

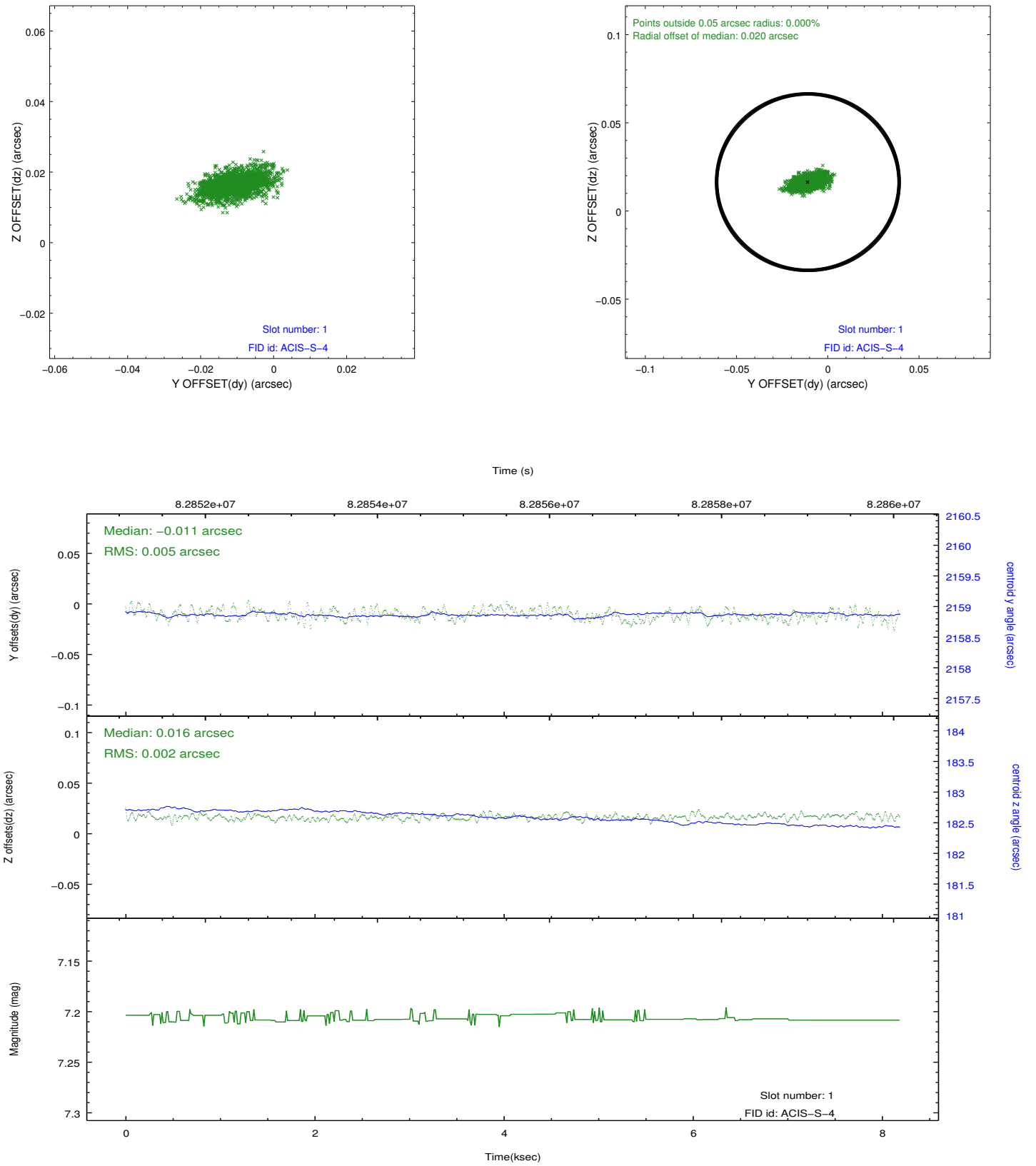


2.5 FID Slots

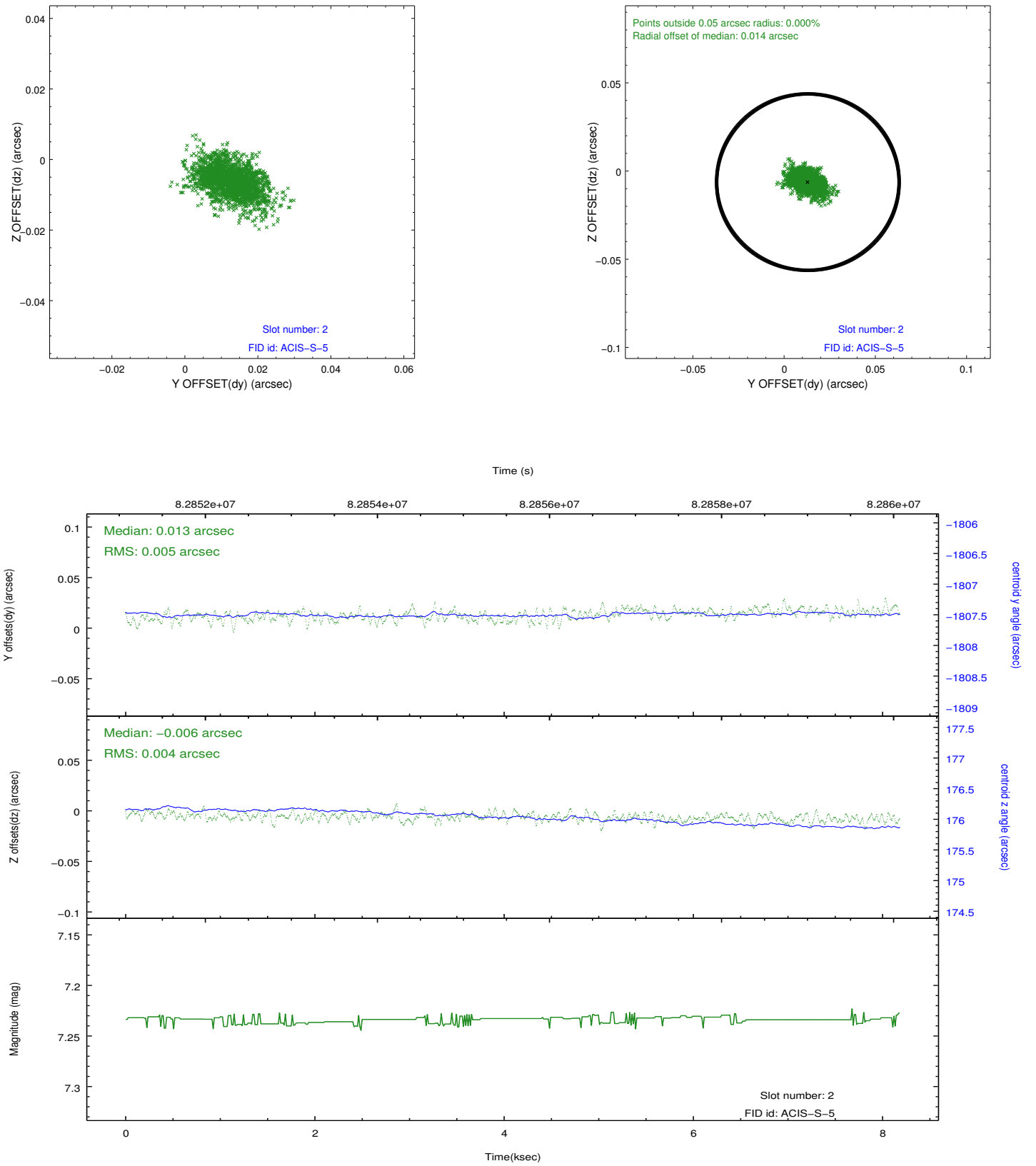
2.5.1 Slot 0



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)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.344

A.2 Comments

Monitor constraint not met due to solar activity: was supposed to follow obs418 by 80 - 100 days, instead follows by 136 days.