

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9787 - L2 Version 2
Chandra X-Ray Center

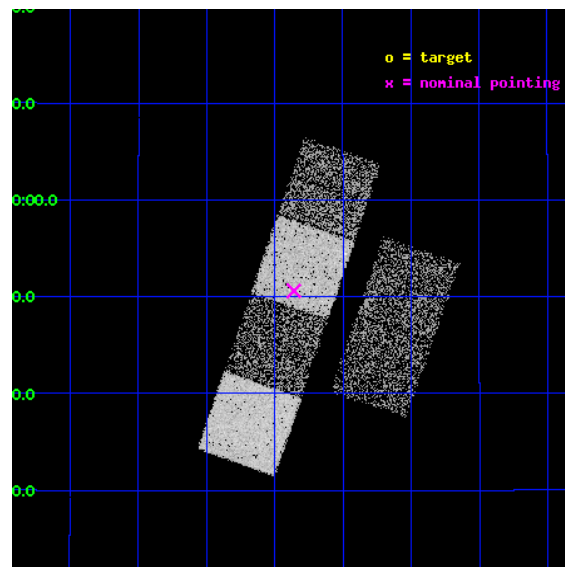
L2 Processing Date : May 7 2012

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1 Front

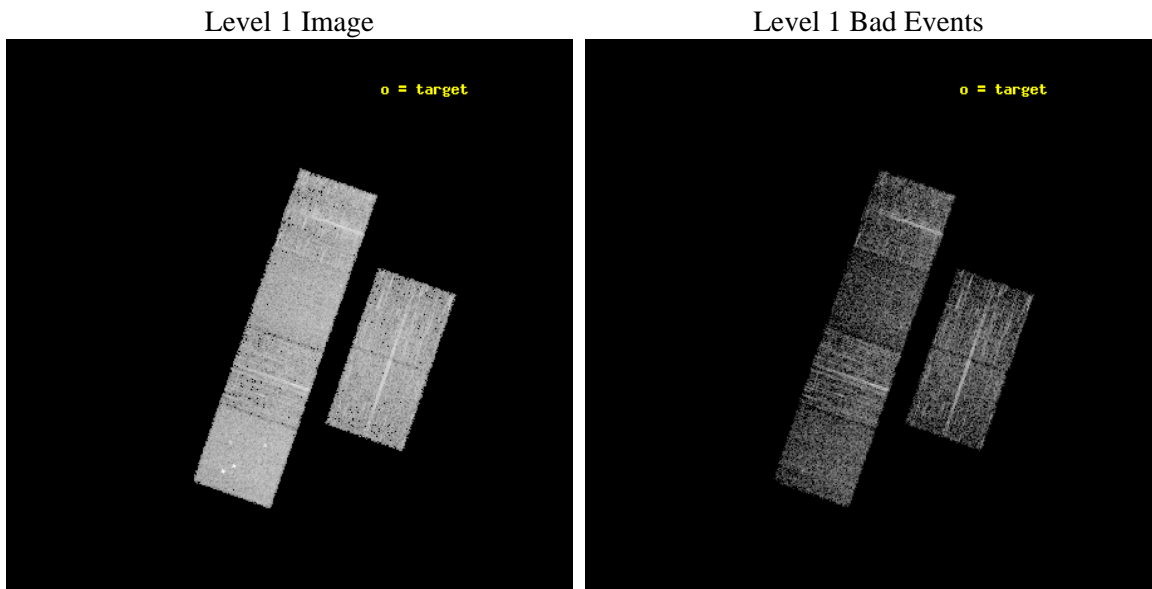
seq_num	100070	Sequence number
obs_id	9787	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	25.964808950387	Nominal RA [deg]
dec_nom	17.843699885405	Nominal Dec [deg]
roll_nom	289.06278200009	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3174.3589978814	Sum of GTIs [s]
livetime	3134.1633528807	Livetime [s]
ontime2	3177.5999882221	Sum of GTIs [s]
ontime3	3177.5999882221	Sum of GTIs [s]
ontime5	3177.5999882221	Sum of GTIs [s]
ontime6	3177.5999882221	Sum of GTIs [s]
ontime7	3174.3589978814	Sum of GTIs [s]
ontime8	3177.5999882221	Sum of GTIs [s]
l2events	39500	Number of level 2 events



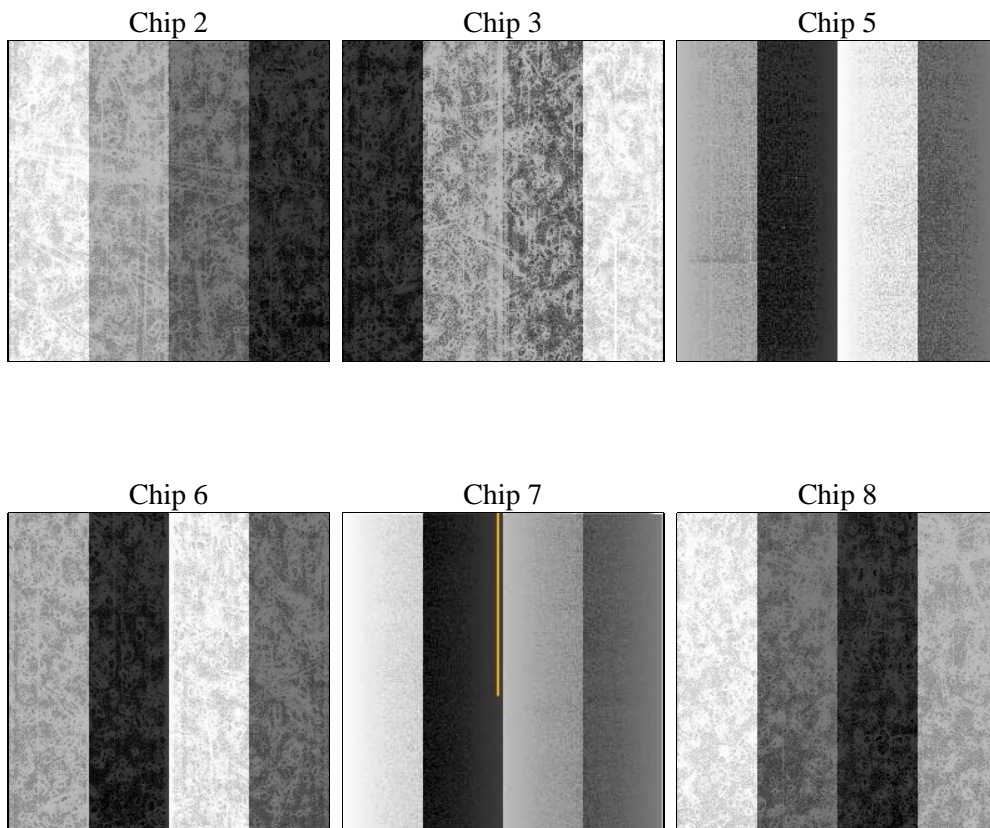
2 OBI

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	8.4.4	Processing system revision	ontime	3174.3589978814	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3177.5999882221	Sum of GTIs [s]
date	2012-05-07T14:23:29	Date and time of file creation	ontime3	3177.5999882221	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3177.5999882221	Sum of GTIs [s]
			ontime6	3177.5999882221	Sum of GTIs [s]
			ontime7	3174.3589978814	Sum of GTIs [s]
			ontime8	3177.5999882221	Sum of GTIs [s]
			l1events	197944	Number of level 1 events

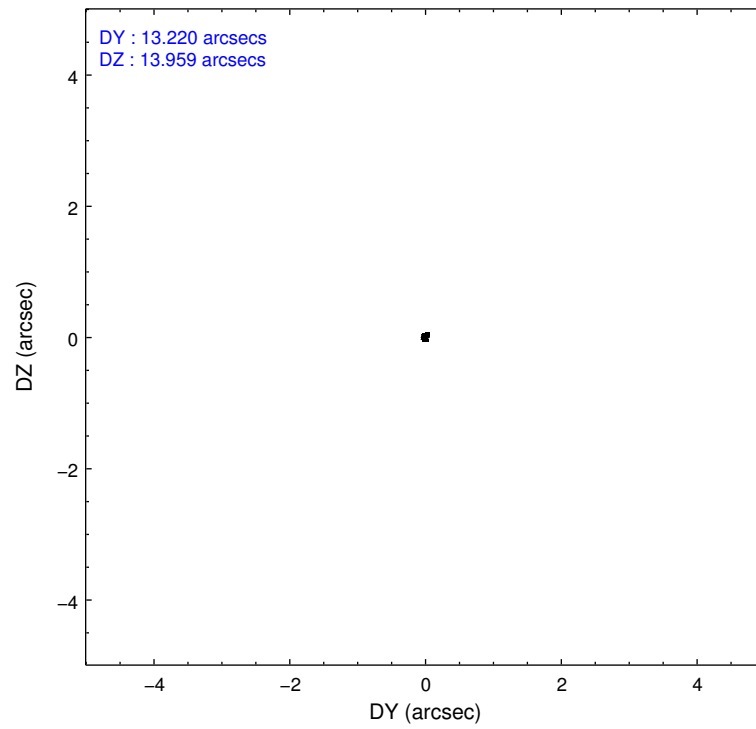
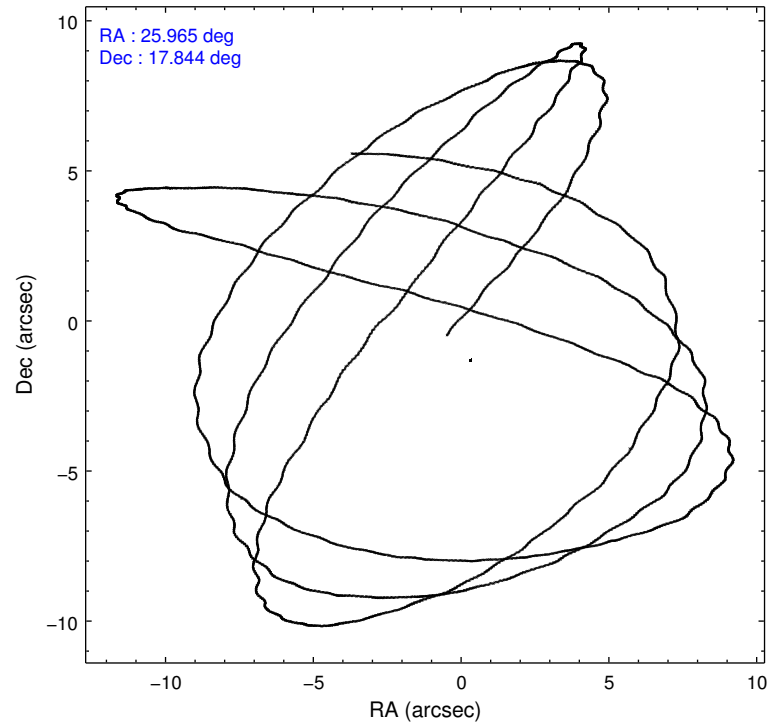
2.1.4 Events

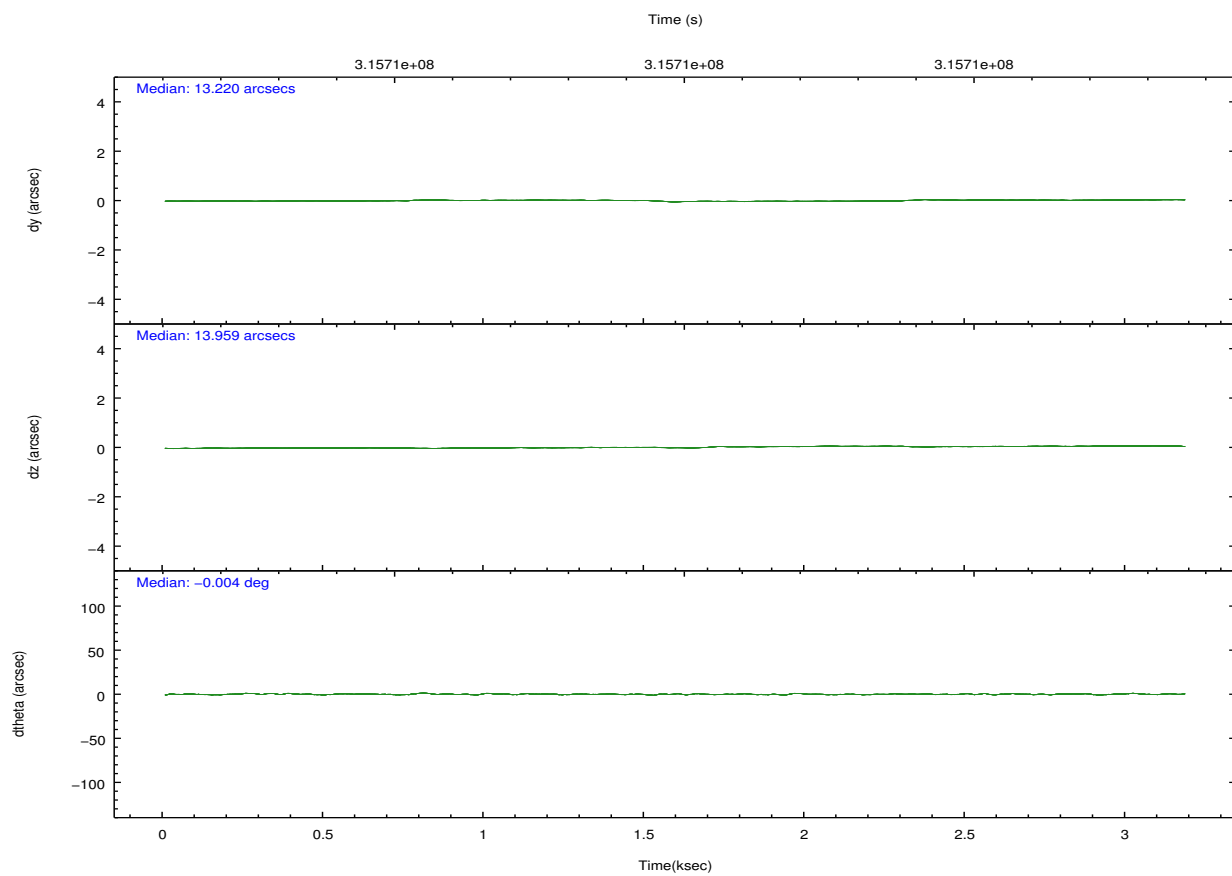
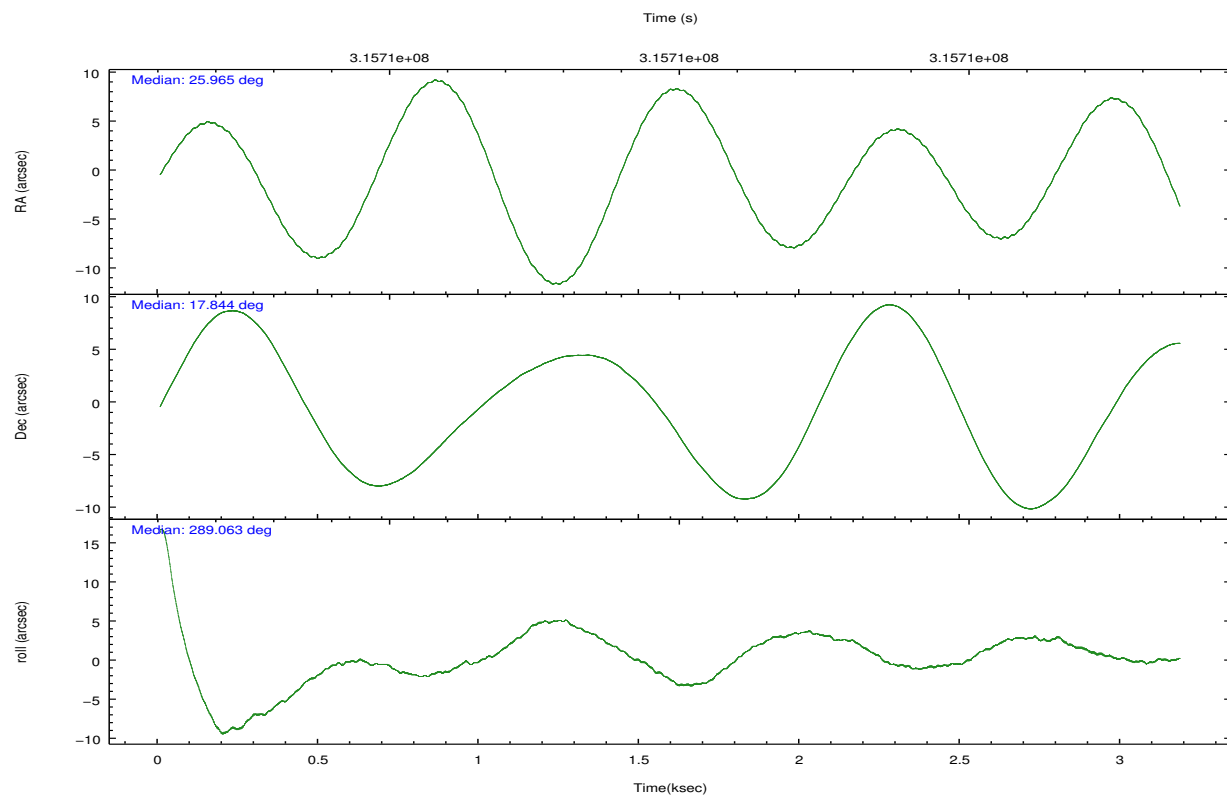
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28586	29460	41069	30239	33147	35443	grade 0 events	968	921	2599	1108	1640	2565
rejected events	26141	27038	22567	27479	19411	27674		3%	3%	6%	3%	4%	7%
rejected %	91%	91%	54%	90%	58%	78%	grade 1 events	21	14	114	25	34	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	671	596	5883	660	2989	1846
								2%	2%	14%	2%	9%	5%
							grade 3 events	281	330	763	317	1409	938
								0%	1%	1%	1%	4%	2%
							grade 4 events	299	282	723	297	1386	876
								1%	0%	1%	0%	4%	2%
							grade 5 events	955	1148	2979	1118	3284	1643
								3%	3%	7%	3%	9%	4%
							grade 6 events	493	551	10565	667	7767	2292
								1%	1%	25%	2%	23%	6%
							grade 7 events	24898	25618	17443	26047	14638	25246
								87%	86%	42%	86%	44%	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	25.942678	25.96480895038667	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.861217	17.84369988540456	Alternating exposures requested	N	N
[deg] Pointing Roll	288.912917	289.0627820000858	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	314928065.184000	314928065.184000			
[s] Window stop time (MET)	316828805.184000	316828805.184000			
[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)	315706557.184000	315706181.43627			
Observation start date	2008-01-03T00:14:52	2008-01-03T00:09:41			
[s] Observation end time (MET)	315709557.184000	315709691.03644			
Observation end date	2008-01-03T01:04:52	2008-01-03T01:08:11			
Read mode	TIMED	TIMED			

2.3 Aspect



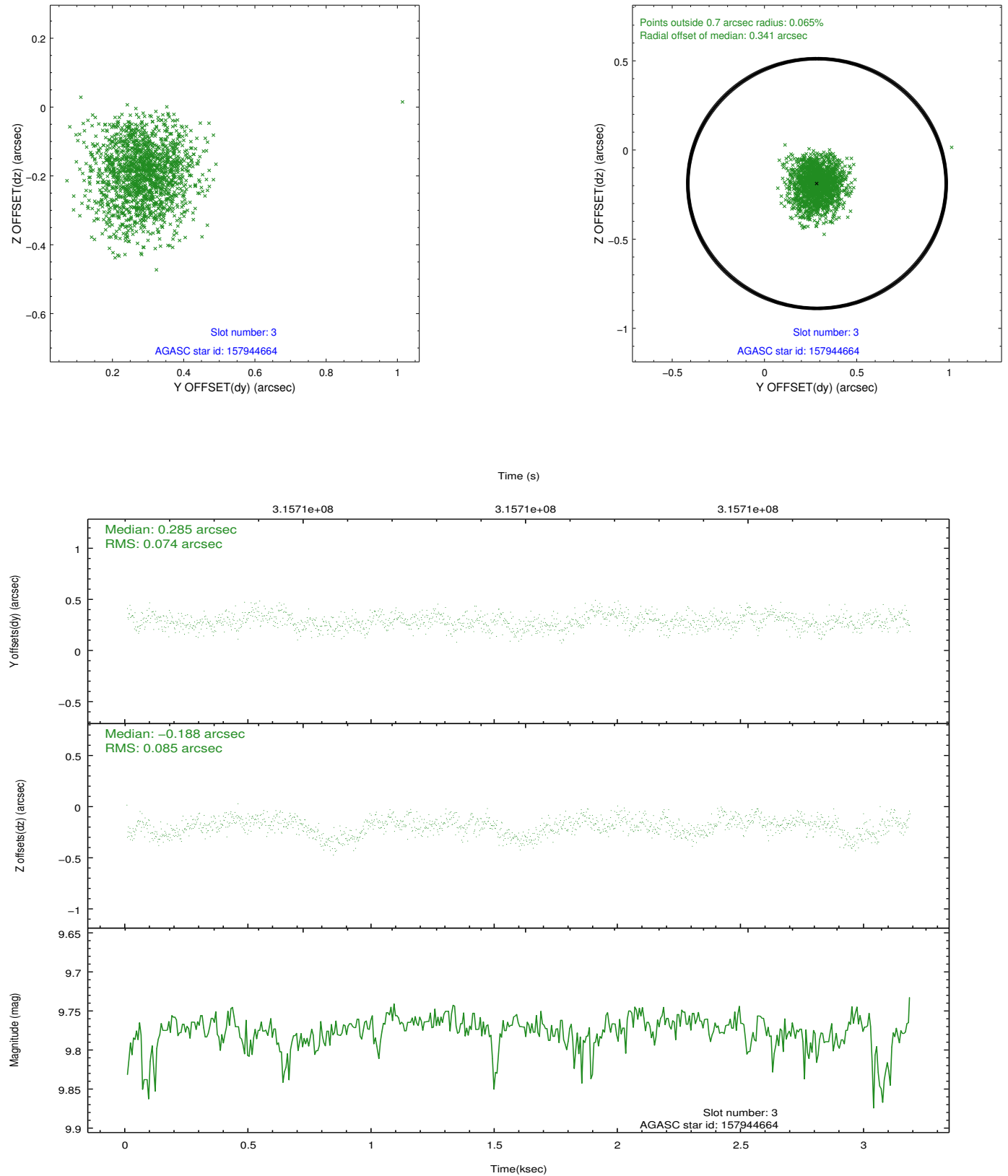


Slot Statistics

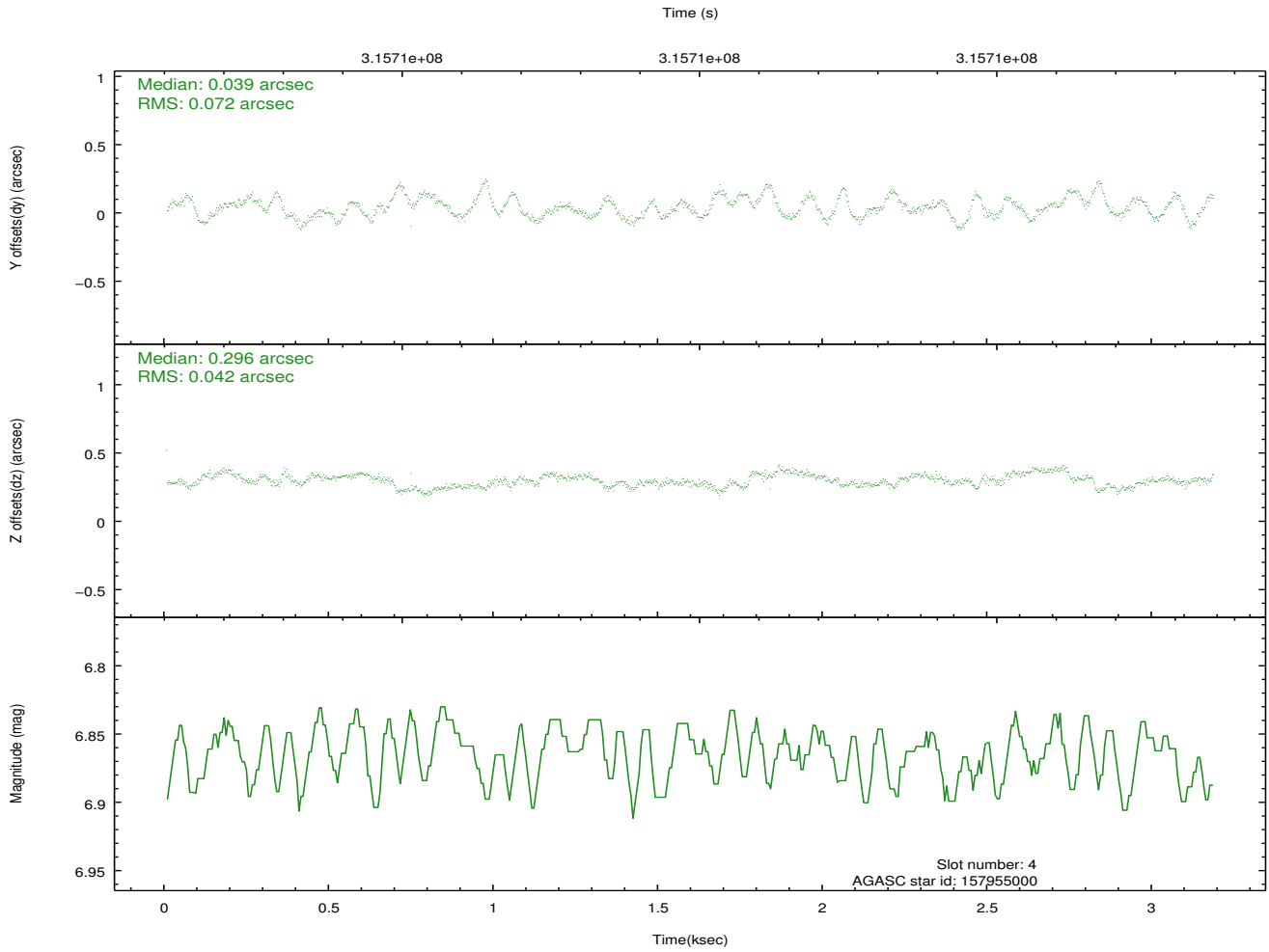
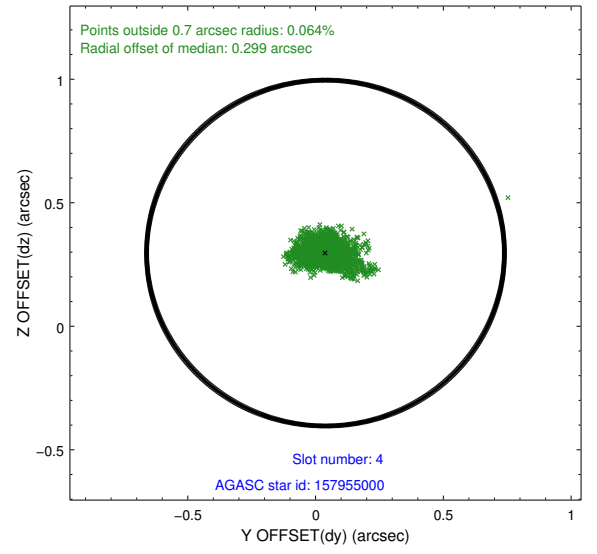
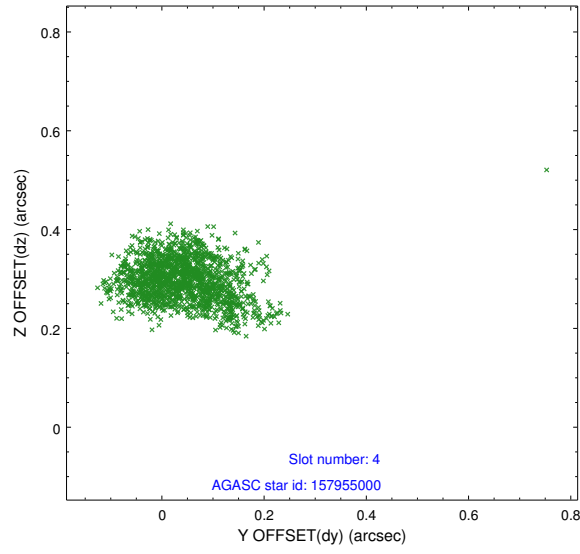
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	776	-0.101	-0.068	0.005	0.010	0.000000	0.000000	-766.24	-1735.33
1	FID	ACIS-S-4	7.19	774	0.117	0.047	0.006	0.010	0.000000	0.000000	2146.34	171.18
2	FID	ACIS-S-6	7.33	774	-0.044	0.028	0.006	0.010	0.000000	0.000000	398.37	810.84
3	GUIDE	157944664	9.77	1547	0.285	-0.188	0.120	0.188	25.972675	17.418757	1541.01	-419.39
4	GUIDE	157955000	6.86	1552	0.039	0.296	0.084	0.142	26.647080	17.412697	2309.06	1766.85
5	GUIDE	158073456	9.31	1551	0.158	0.064	0.088	0.141	26.679512	17.496778	2058.88	1970.81
6	GUIDE	158346000	9.59	1548	-0.453	-0.073	0.153	0.240	25.430156	18.257004	-1916.29	-1193.56
7	GUIDE	158346992	9.13	1550	-0.029	-0.093	0.096	0.155	25.273166	18.276827	-2162.01	-1680.11

2.4 Star Slots

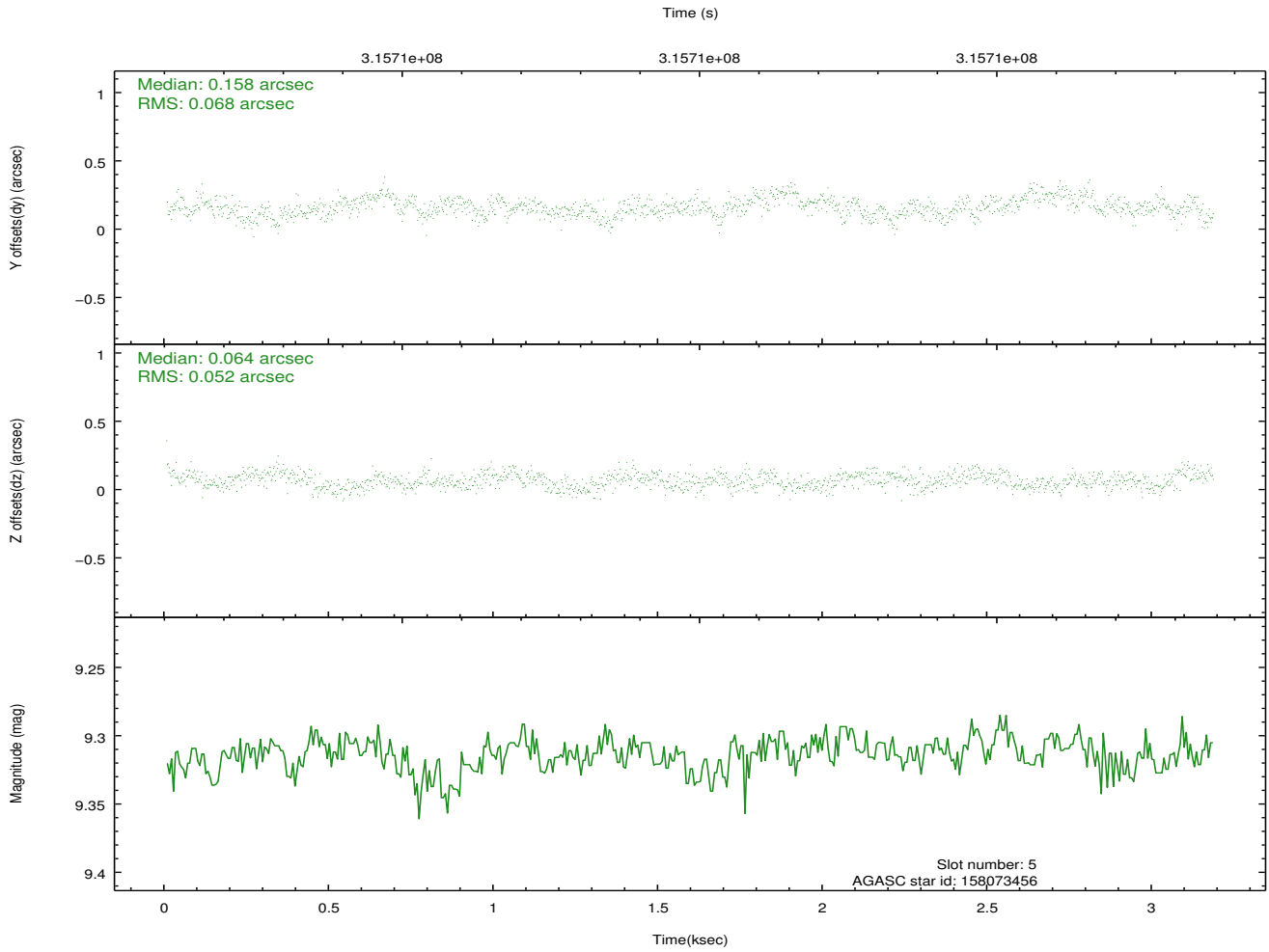
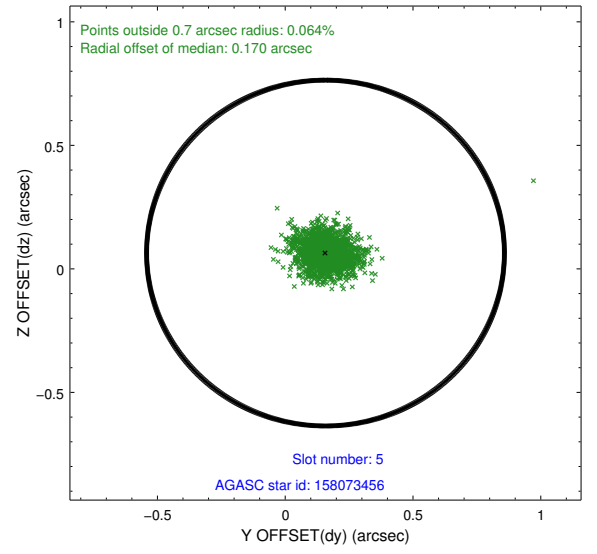
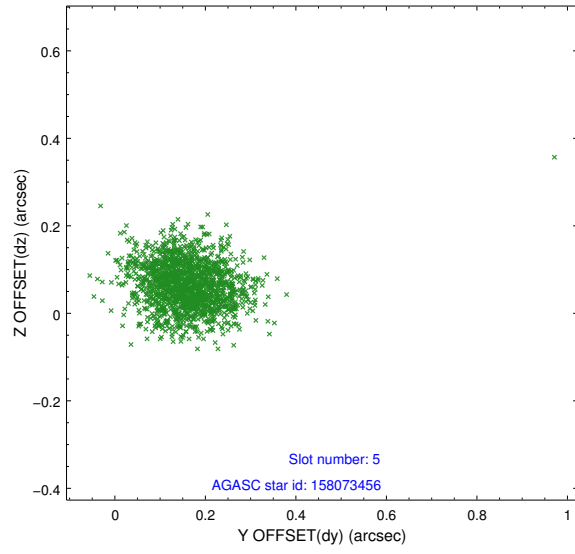
2.4.1 Slot 3



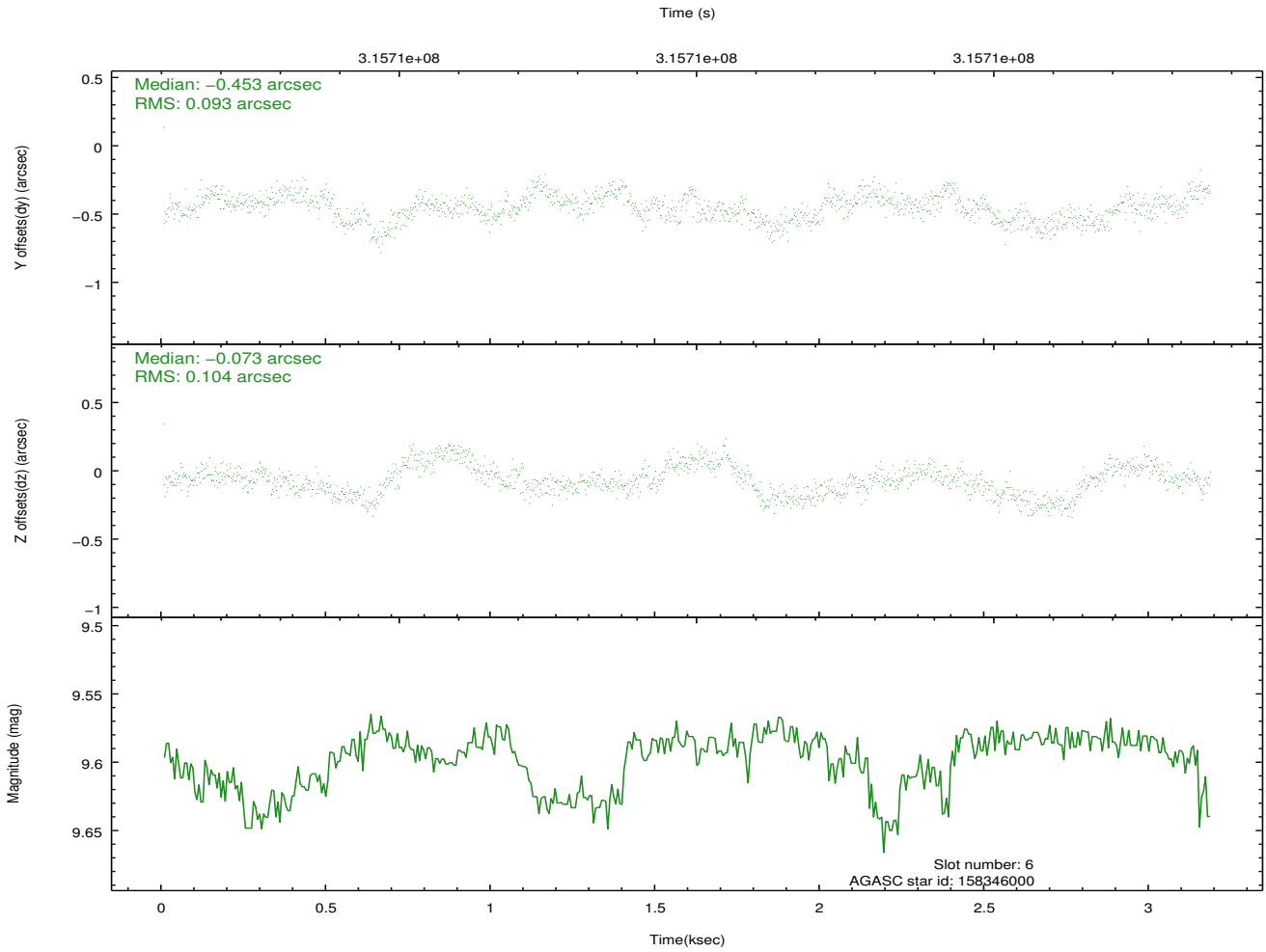
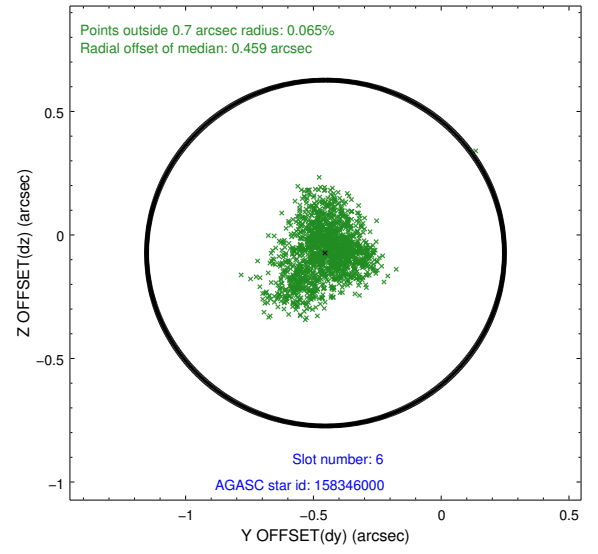
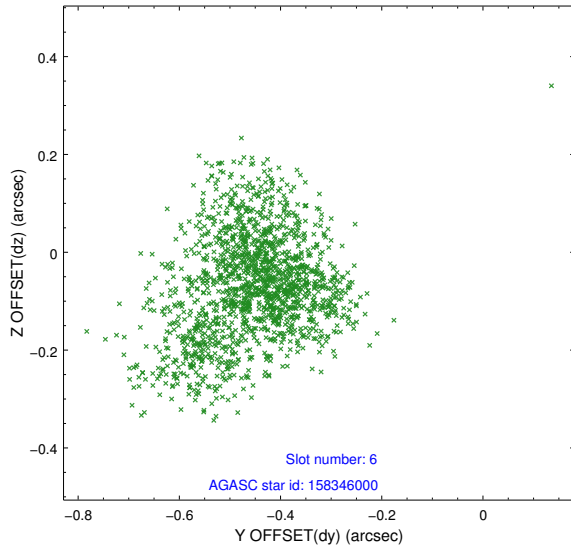
2.4.2 Slot 4



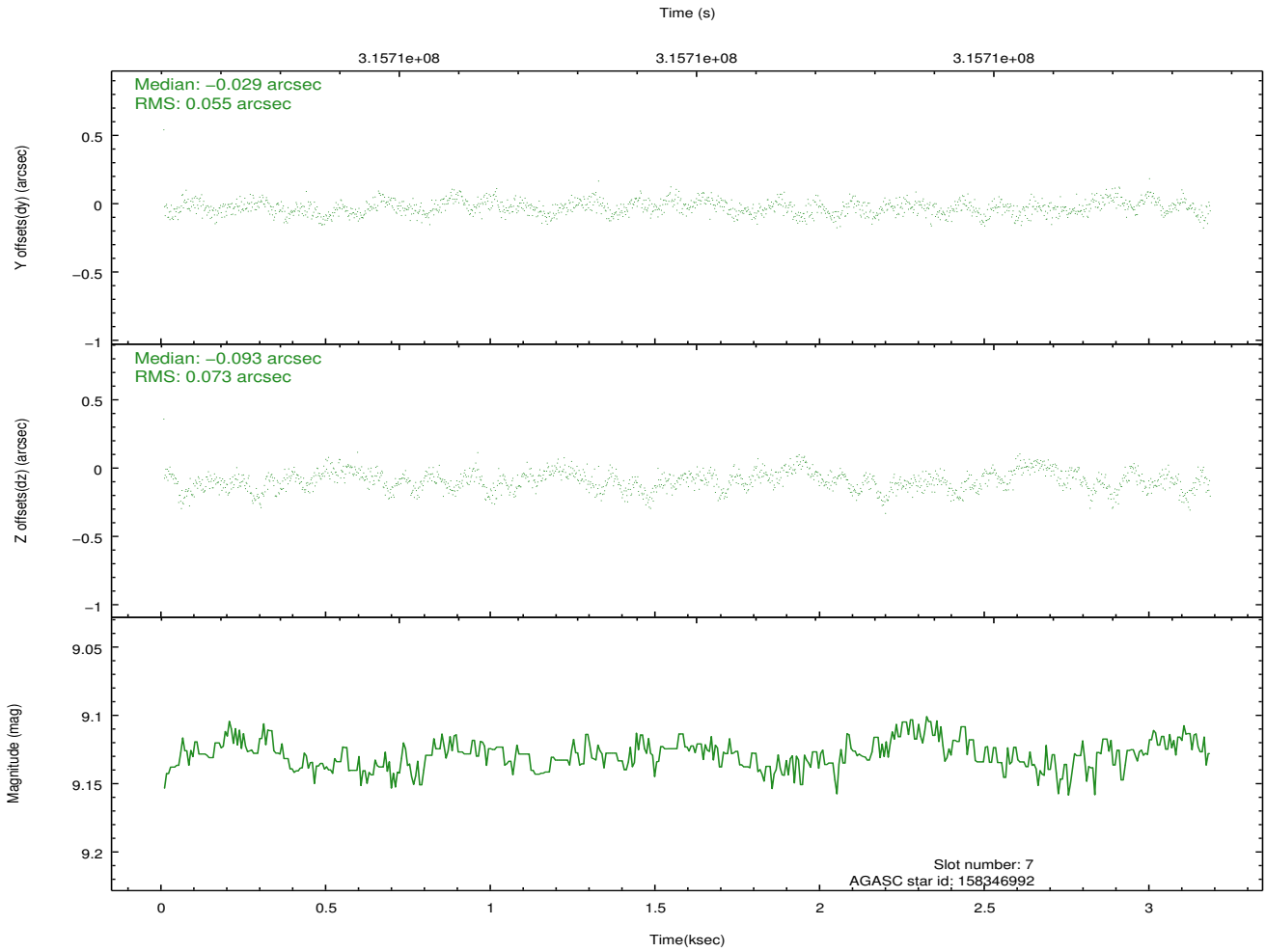
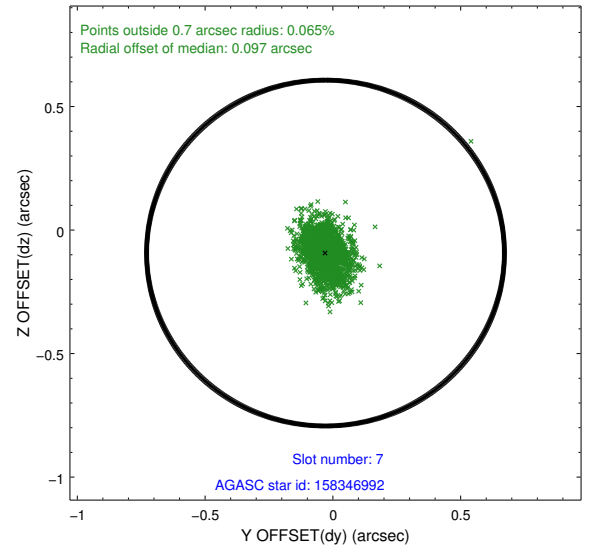
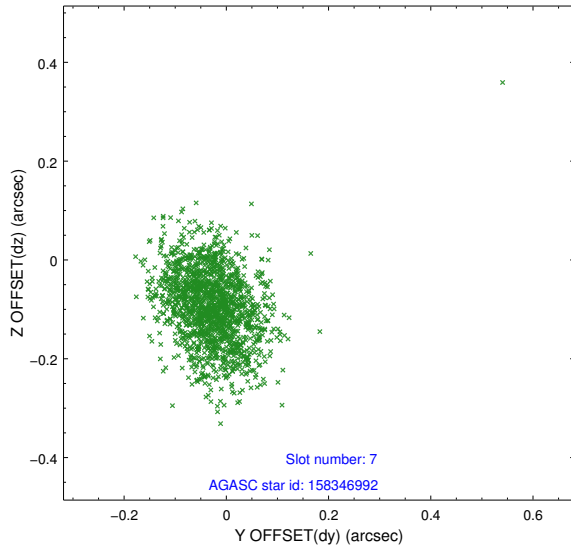
2.4.3 Slot 5



2.4.4 Slot 6

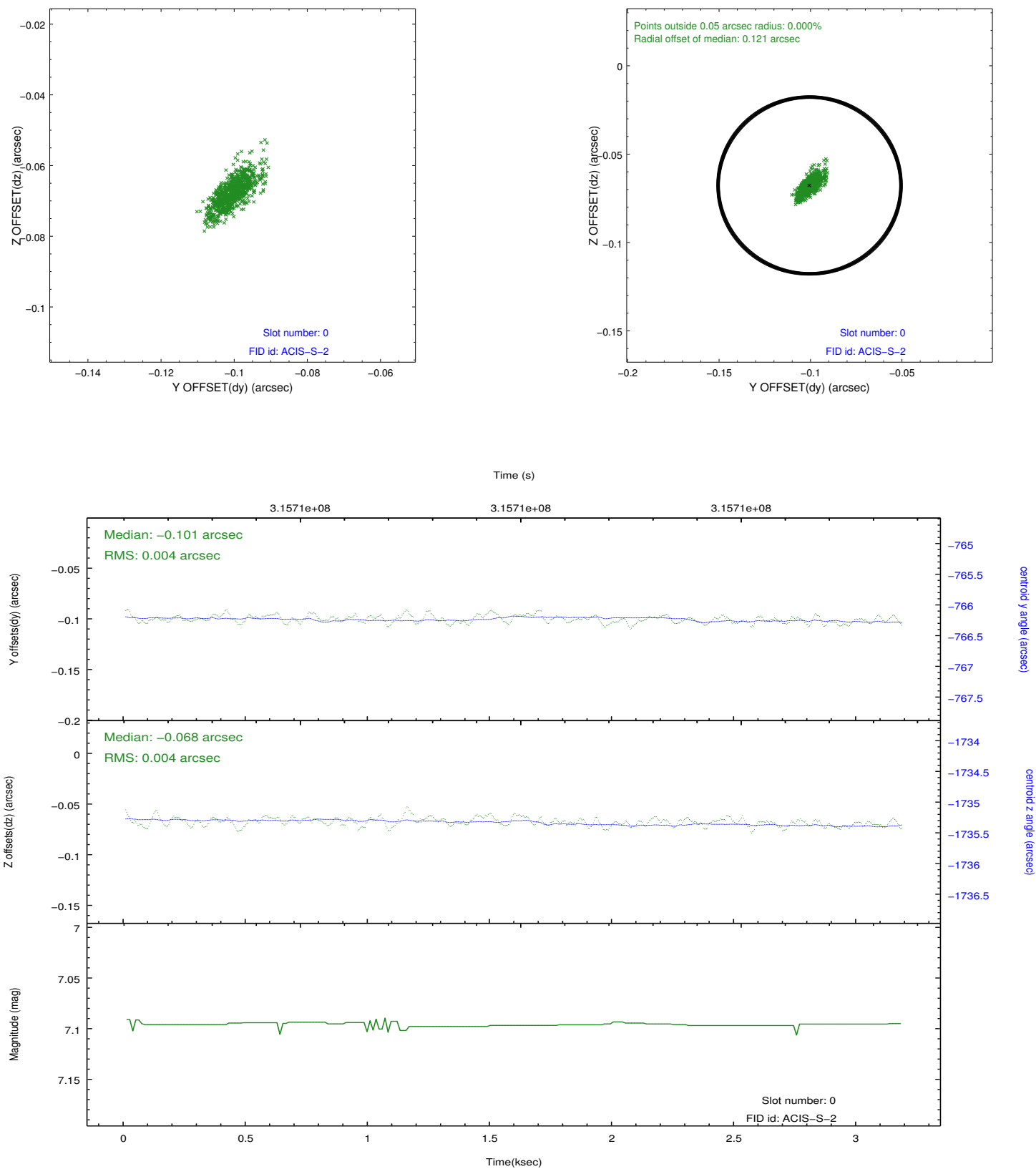


2.4.5 Slot 7

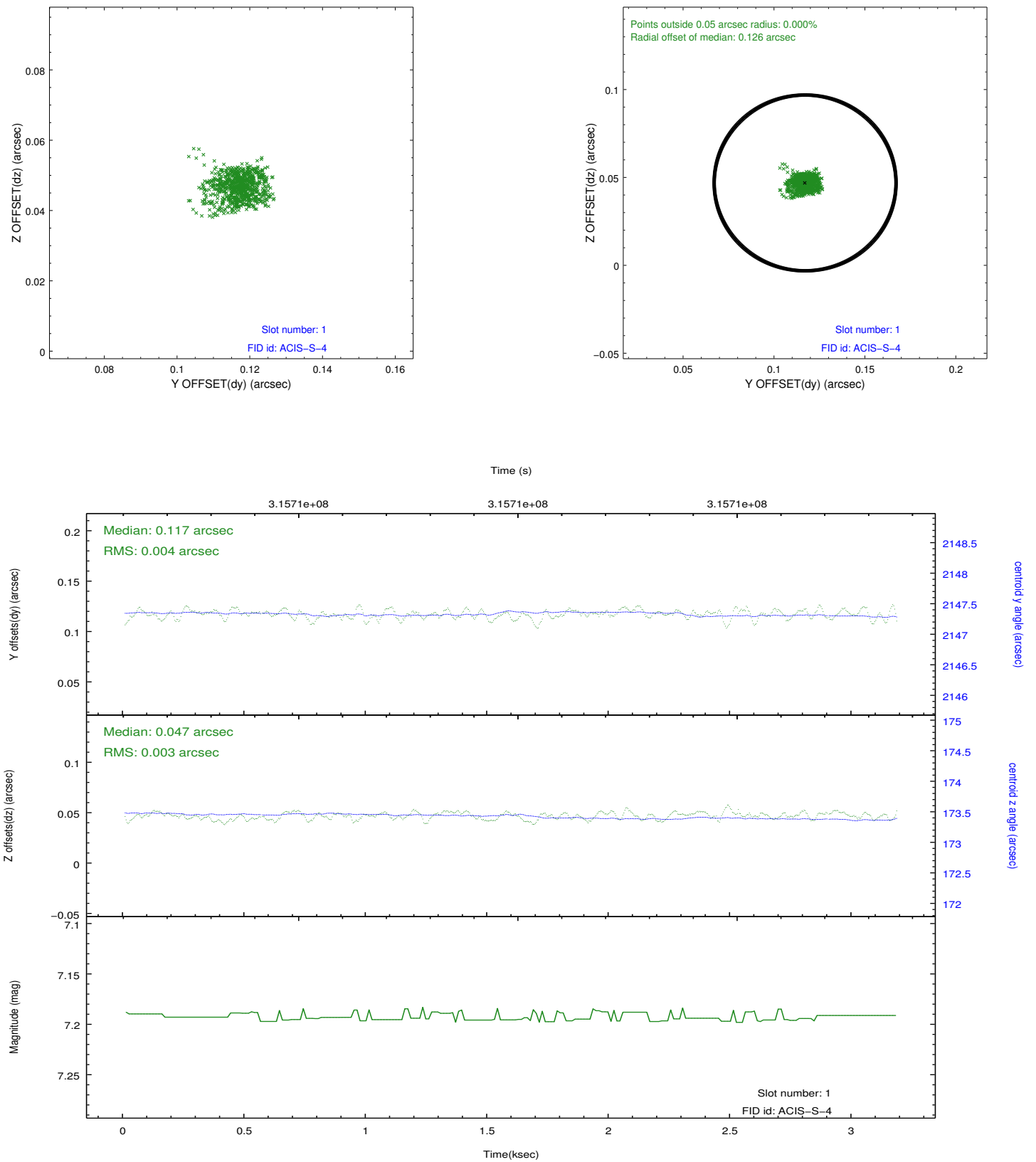


2.5 FID Slots

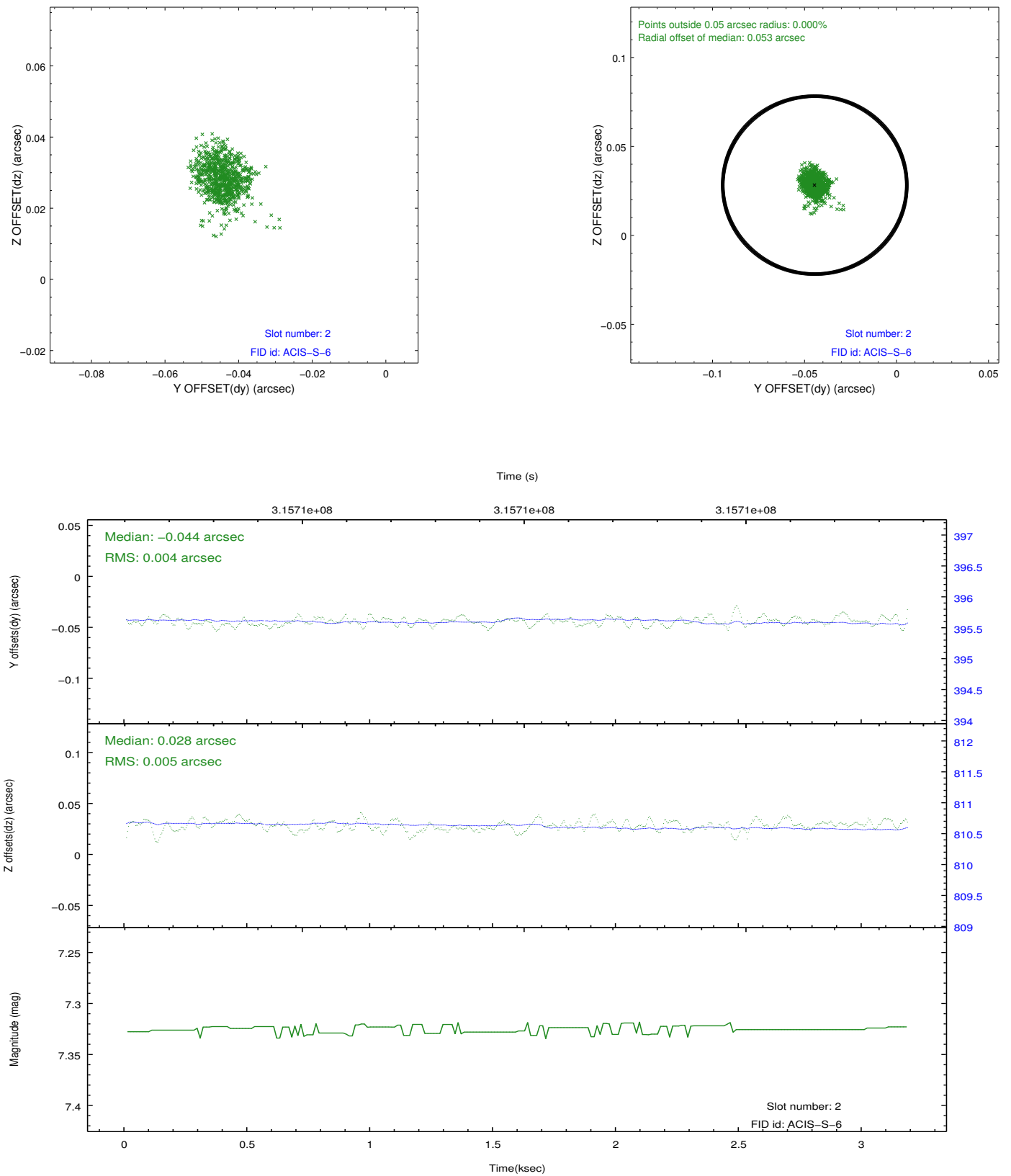
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.17435899

A.2 Comments

Window constraint met.