

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9789 - L2 Version 2
Chandra X-Ray Center

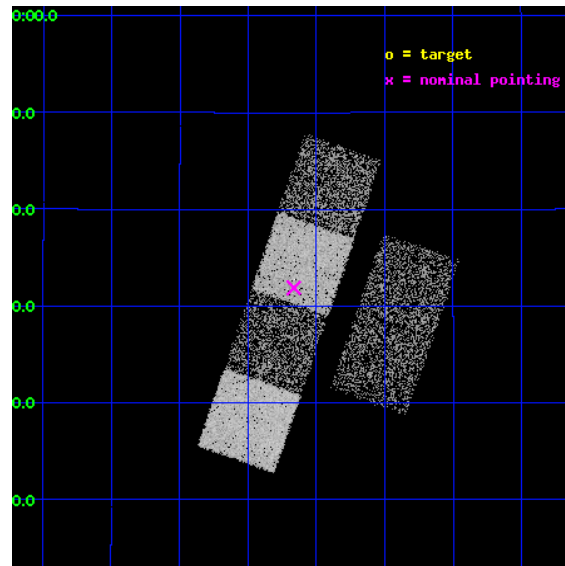
L2 Processing Date : May 7 2012

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1 Front

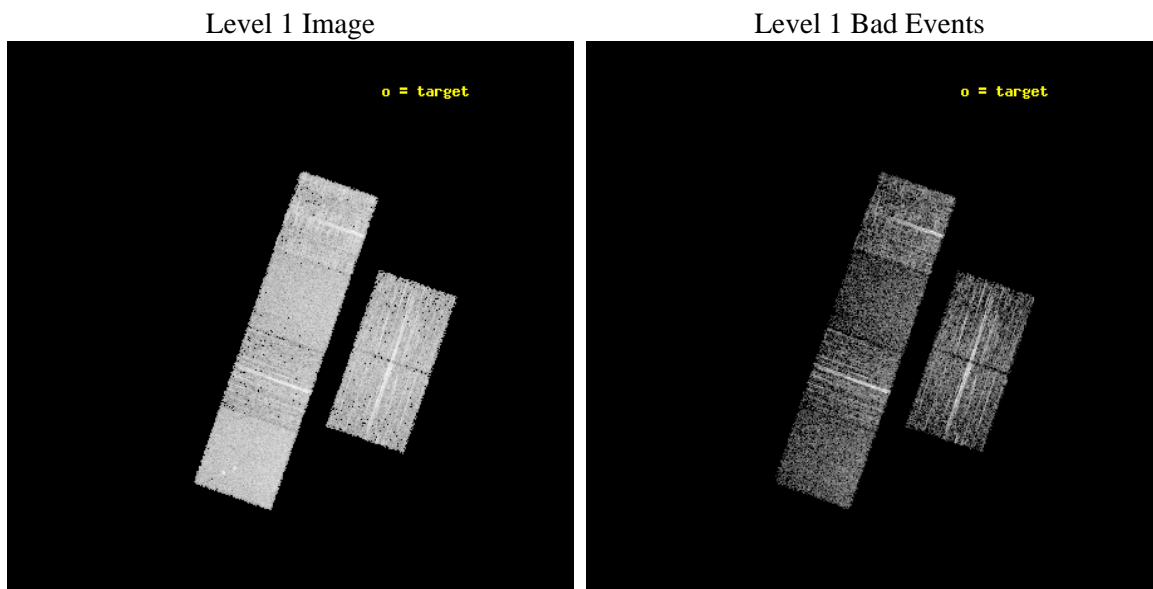
seq_num	100070	Sequence number
obs_id	9789	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	26.041174031333	Nominal RA [deg]
dec_nom	17.531547158968	Nominal Dec [deg]
roll_nom	289.15222915277	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3174.399988234	Sum of GTIs [s]
liveltime	3134.2038241888	Livetime [s]
ontime2	3171.1589979529	Sum of GTIs [s]
ontime3	3171.158987999	Sum of GTIs [s]
ontime5	3174.399988234	Sum of GTIs [s]
ontime6	3174.399988234	Sum of GTIs [s]
ontime7	3174.399988234	Sum of GTIs [s]
ontime8	3174.399988234	Sum of GTIs [s]
l2events	39850	Number of level 2 events



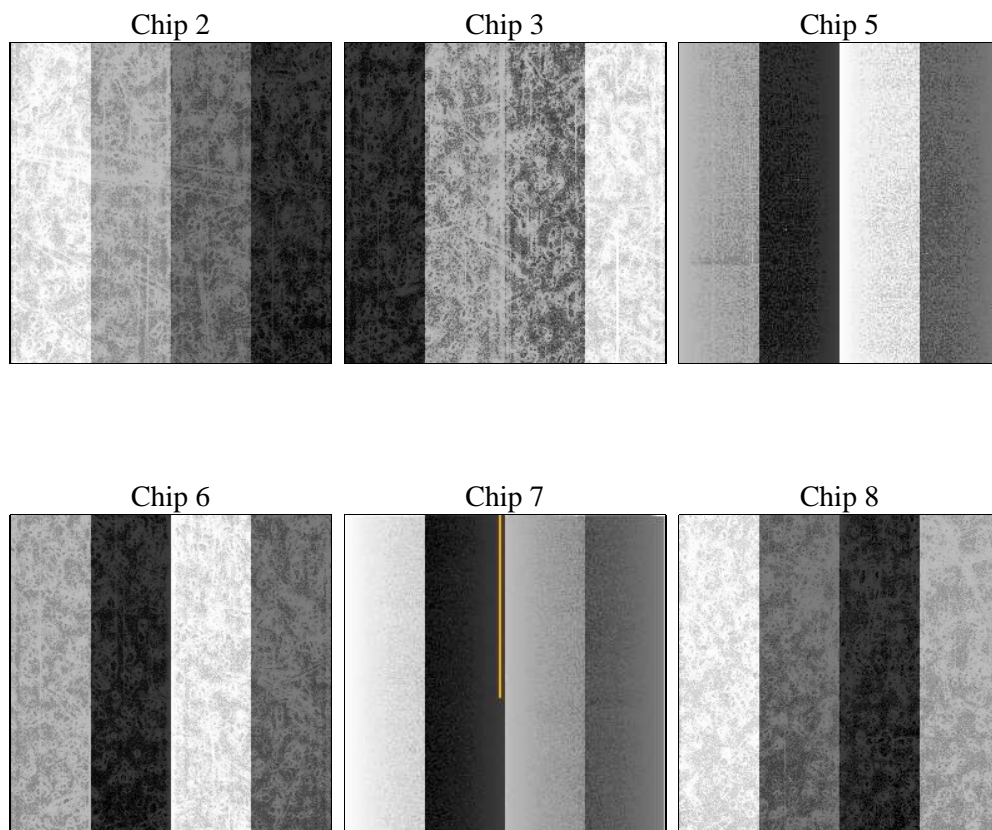
2 OBI

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	3174.399988234	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3171.1589979529	Sum of GTIs [s]
date	2012-05-07T14:23:42	Date and time of file creation	ontime3	3171.158987999	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3174.399988234	Sum of GTIs [s]
			ontime6	3174.399988234	Sum of GTIs [s]
			ontime7	3174.399988234	Sum of GTIs [s]
			ontime8	3174.399988234	Sum of GTIs [s]
			l1events	193145	Number of level 1 events

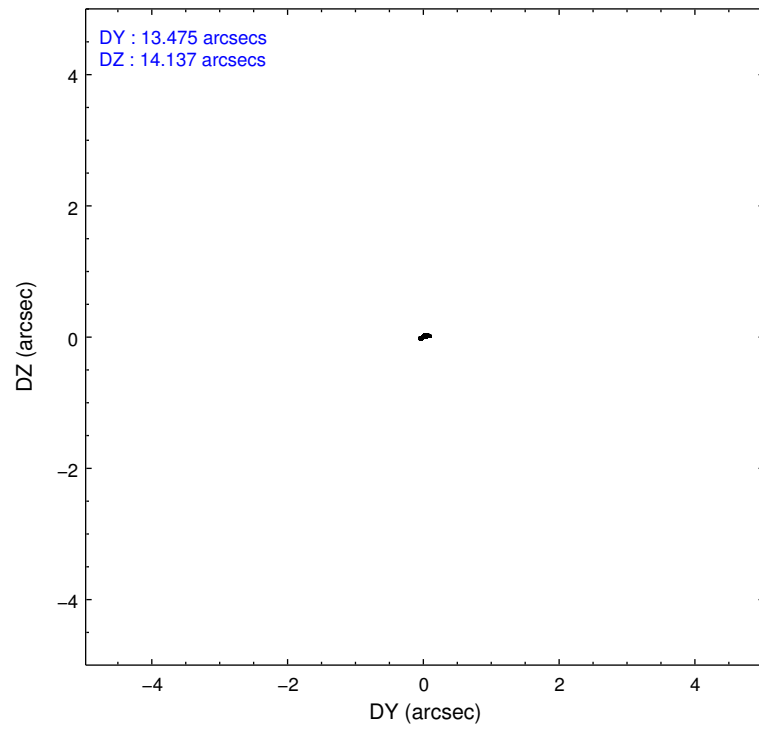
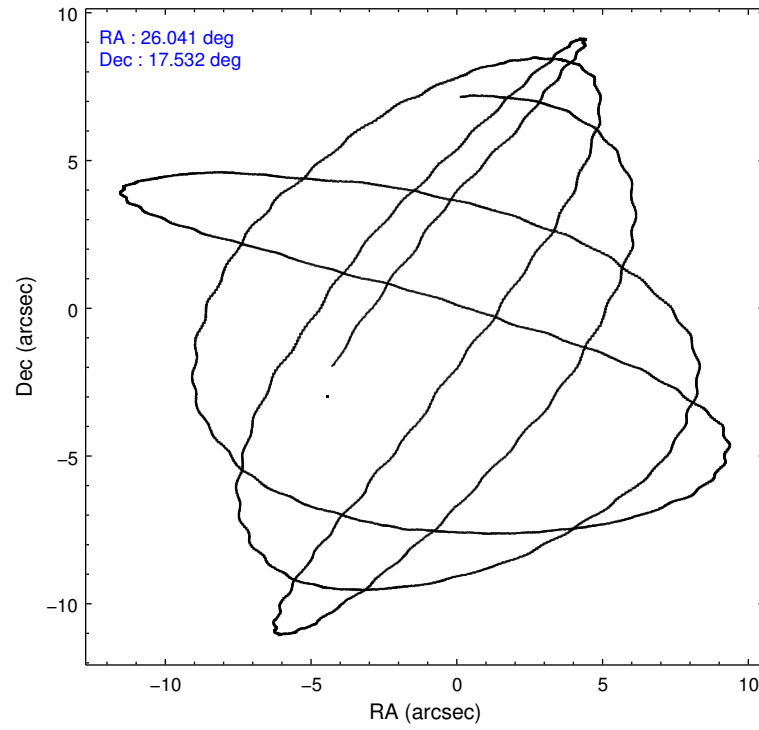
2.1.4 Events

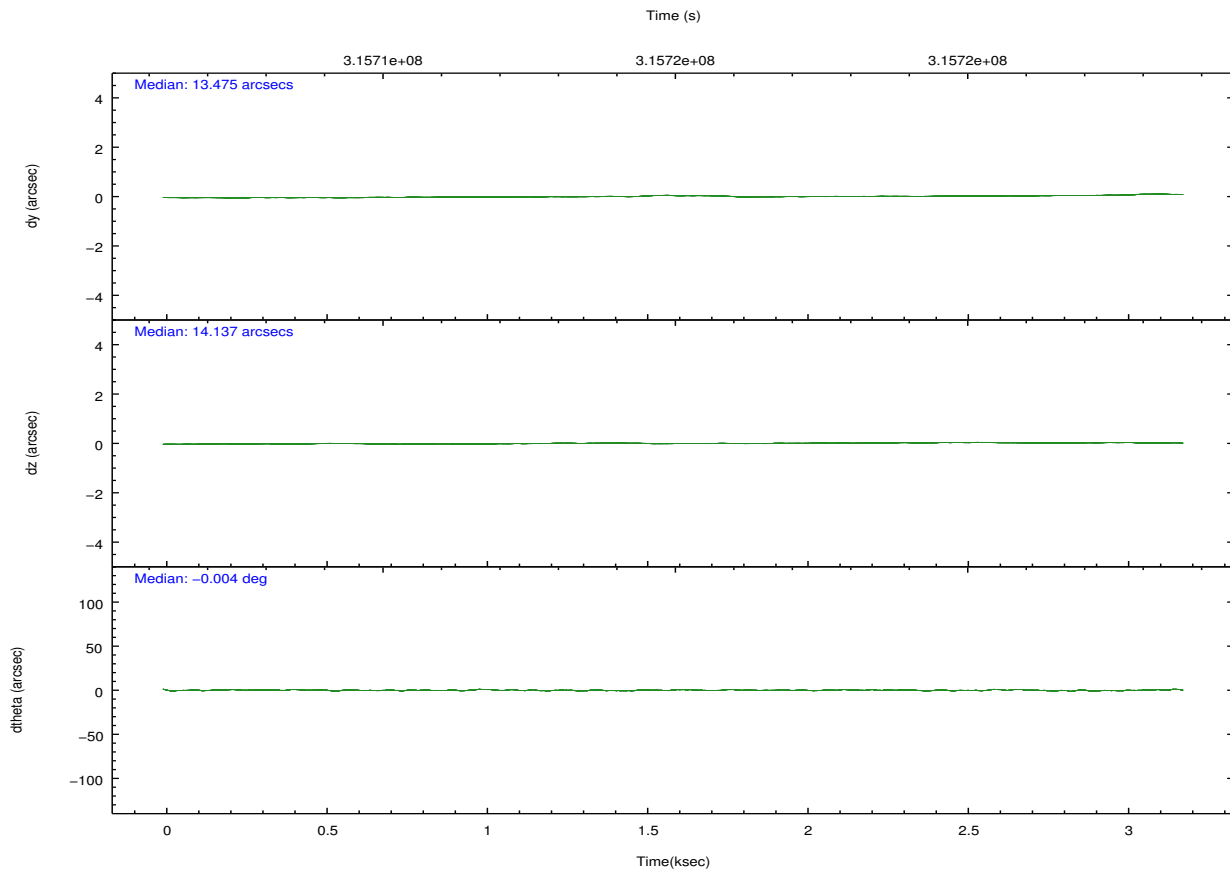
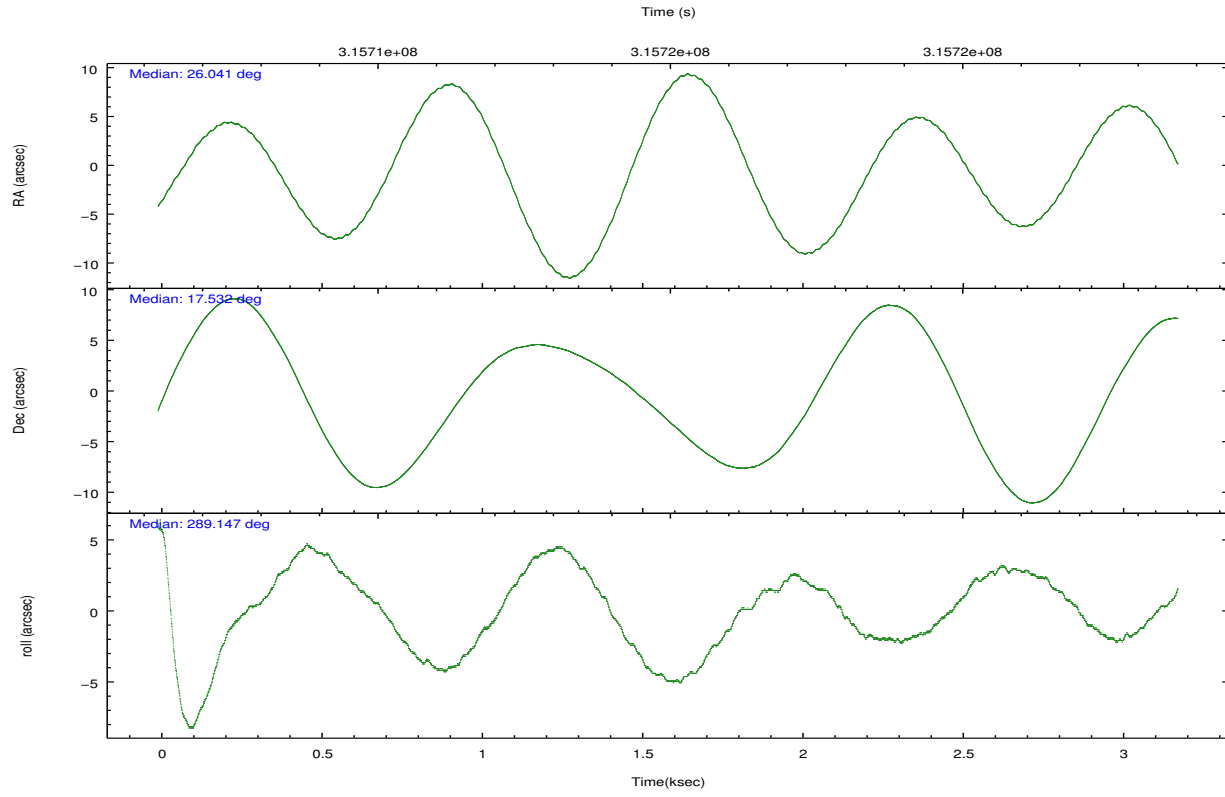
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29330	28133	38304	28996	31846	36536	grade 0 events	995	907	1558	1075	1535	2621
rejected events	26733	25717	20672	26192	18046	28073		3%	3%	4%	3%	4%	7%
rejected %	91%	91%	53%	90%	56%	76%	grade 1 events	12	22	76	15	42	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	631	543	5665	637	2921	2016
								2%	1%	14%	2%	9%	5%
							grade 3 events	335	299	734	297	1316	851
								1%	1%	1%	1%	4%	2%
							grade 4 events	292	335	705	329	1247	916
								0%	1%	1%	1%	3%	2%
							grade 5 events	935	1148	2927	1131	3288	1645
								3%	4%	7%	3%	10%	4%
							grade 6 events	536	481	10076	633	7625	2542
								1%	1%	26%	2%	23%	6%
							grade 7 events	25594	24398	16563	24879	13872	25918
								87%	86%	43%	85%	43%	70%

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	26.019083	26.04117403133253	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.549032	17.53154715896763	Alternating exposures requested	N	N
[deg] Pointing Roll	289.002254	289.1522291527722	[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)	315713577.184000	315713201.14911			
Observation start date	2008-01-03T02:11:52	2008-01-03T02:06:41			
[s] Observation end time (MET)	315716577.184000	315717311.39931			
Observation end date	2008-01-03T03:01:52	2008-01-03T03:15:11			
Read mode	TIMED	TIMED			

2.3 Aspect



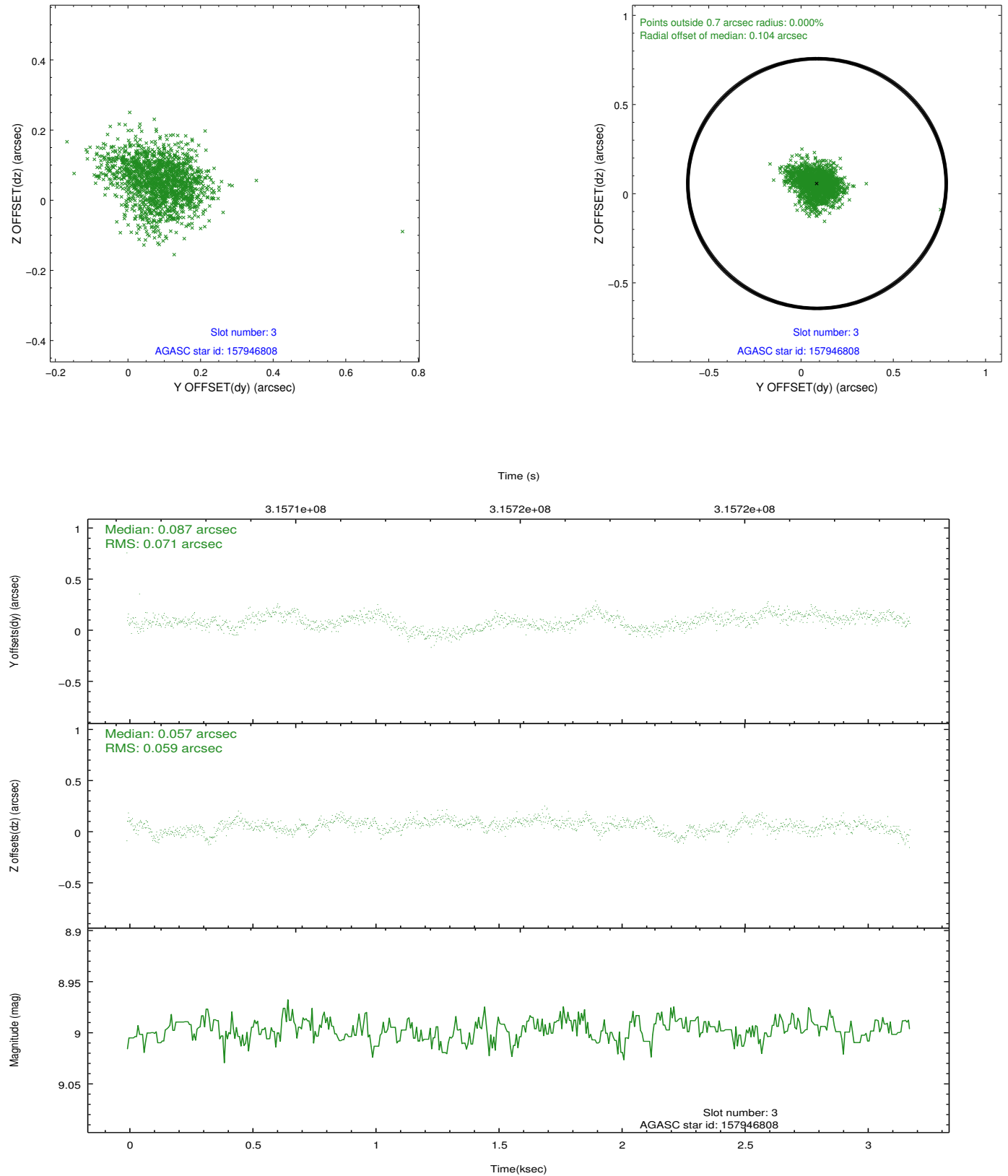


Slot Statistics

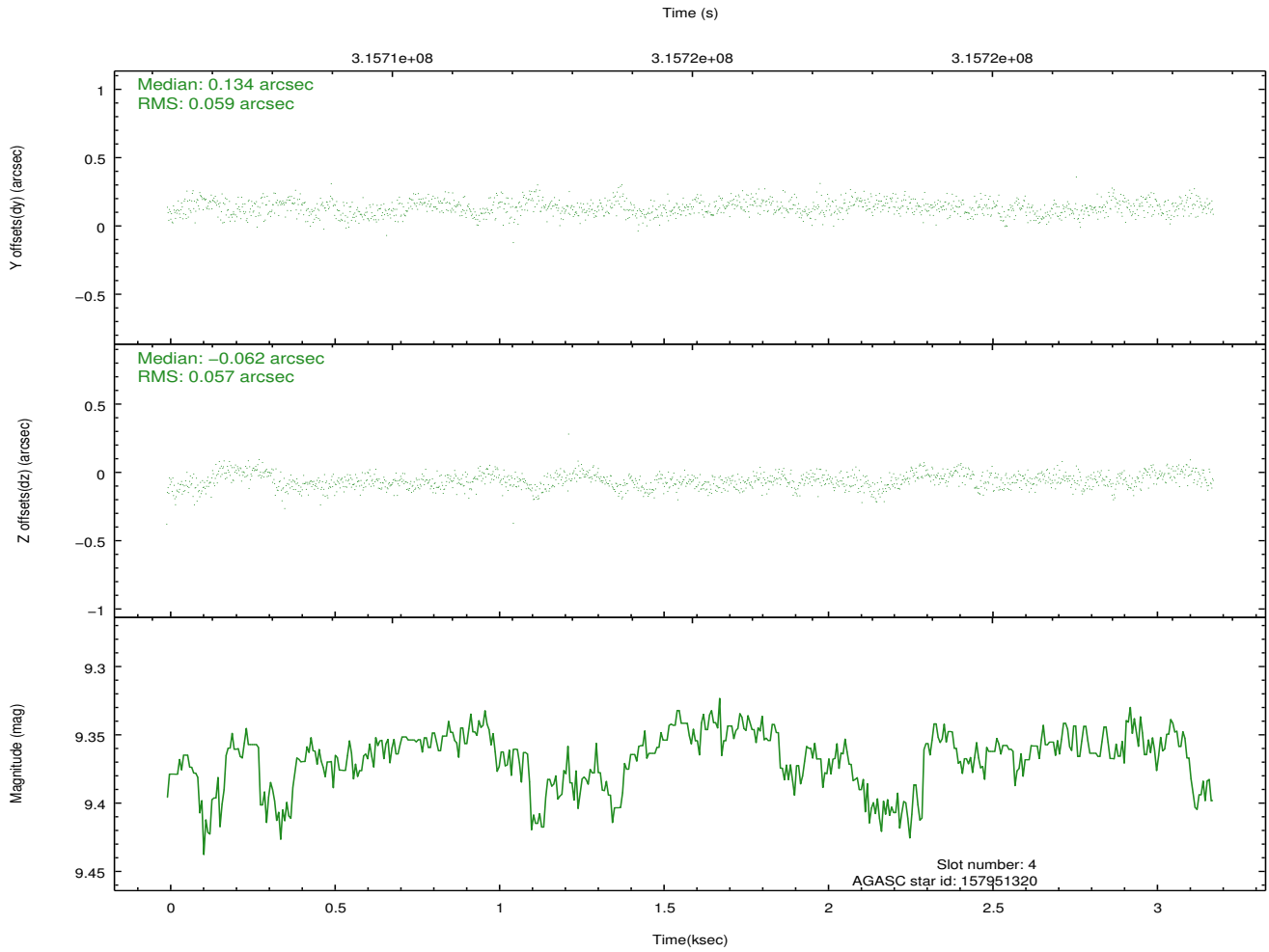
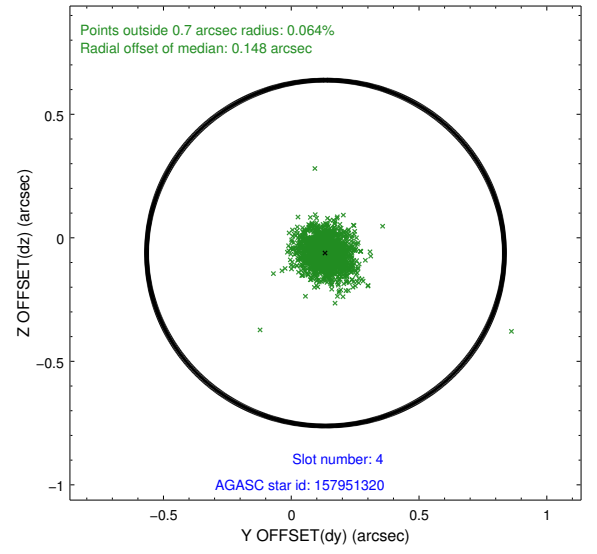
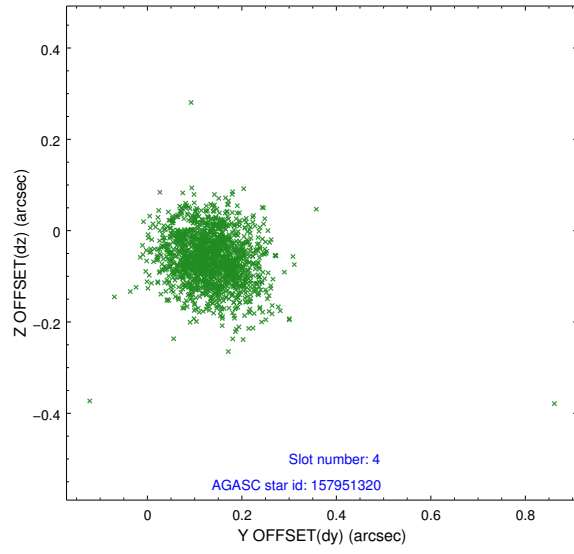
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	776	-0.048	-0.048	0.007	0.011	0.000000	0.000000	-766.44	-1735.49
1	FID	ACIS-S-4	7.19	776	0.169	0.036	0.005	0.009	0.000000	0.000000	2146.13	171.01
2	FID	ACIS-S-5	7.22	776	-0.152	0.020	0.006	0.011	0.000000	0.000000	-1816.83	166.92
3	GUIDE	157946808	9.00	1553	0.087	0.057	0.097	0.159	25.945545	17.122189	1371.20	-739.93
4	GUIDE	157951320	9.36	1553	0.134	-0.062	0.084	0.136	26.101194	17.063795	1745.35	-302.46
5	GUIDE	157955000	6.85	1553	-0.027	0.232	0.085	0.139	26.647080	17.412697	1164.59	1880.58
6	GUIDE	158074360	8.94	1550	0.009	-0.109	0.107	0.155	26.791552	17.288165	1748.61	2207.28
7	GUIDE	158346592	10.15	1548	-0.200	-0.122	0.205	0.309	25.285861	17.873815	-1926.40	-1992.66

2.4 Star Slots

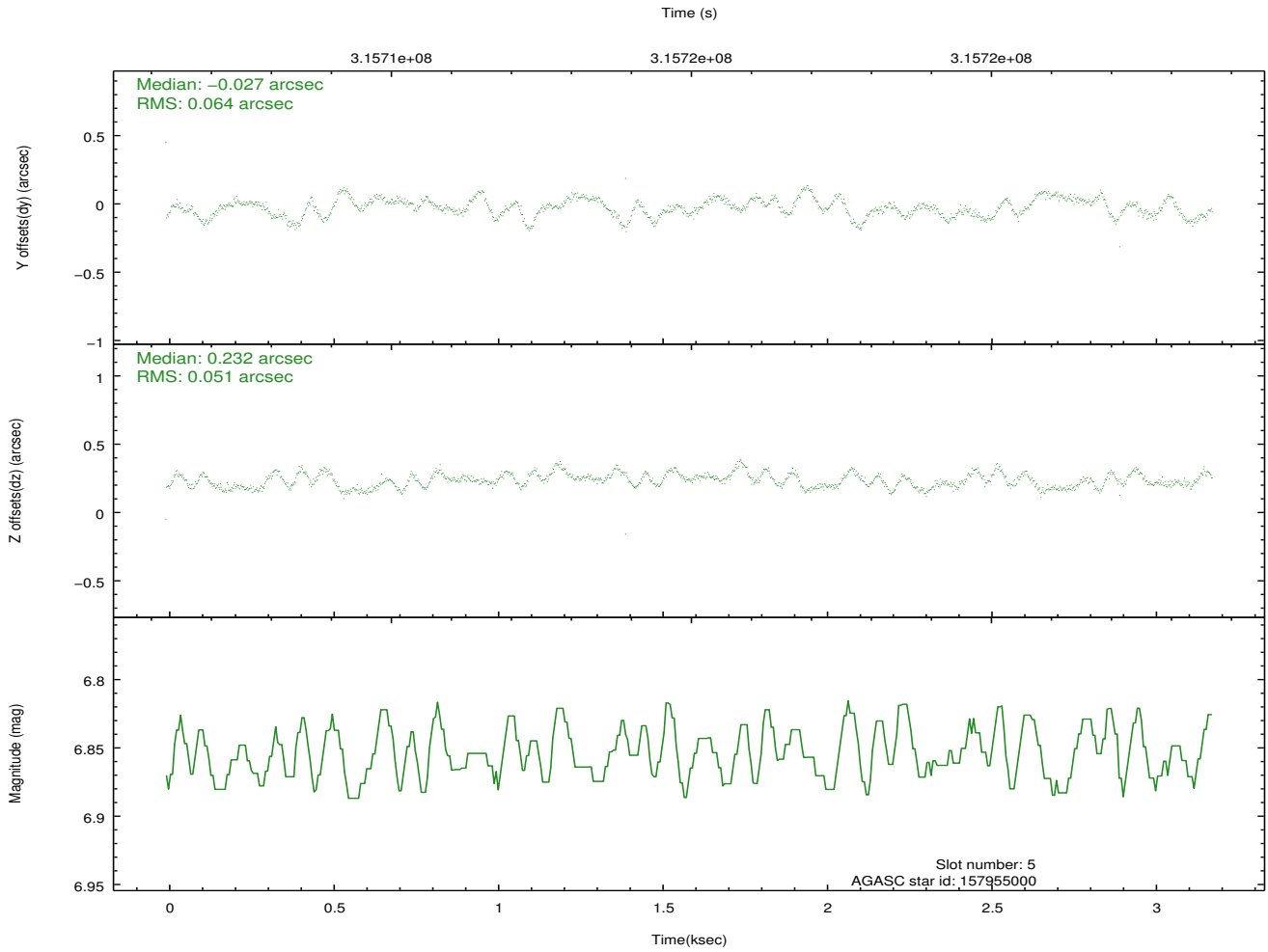
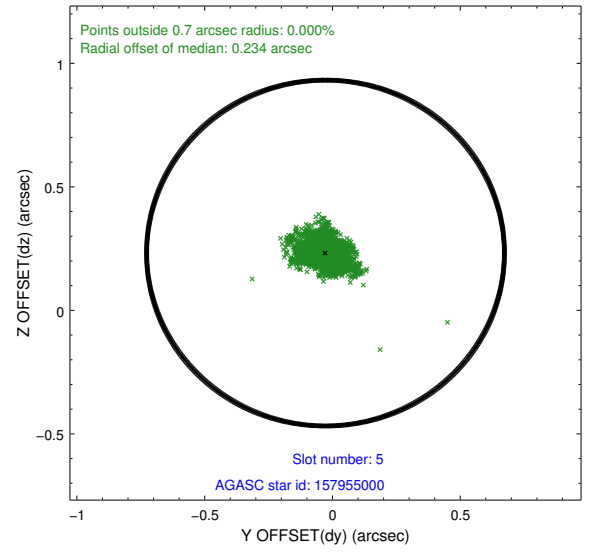
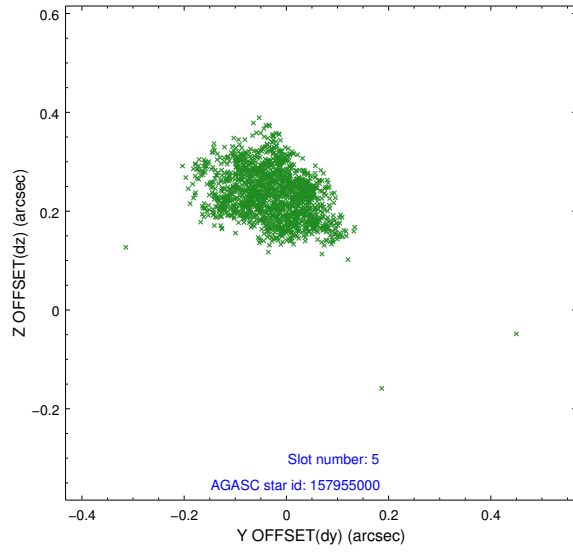
2.4.1 Slot 3



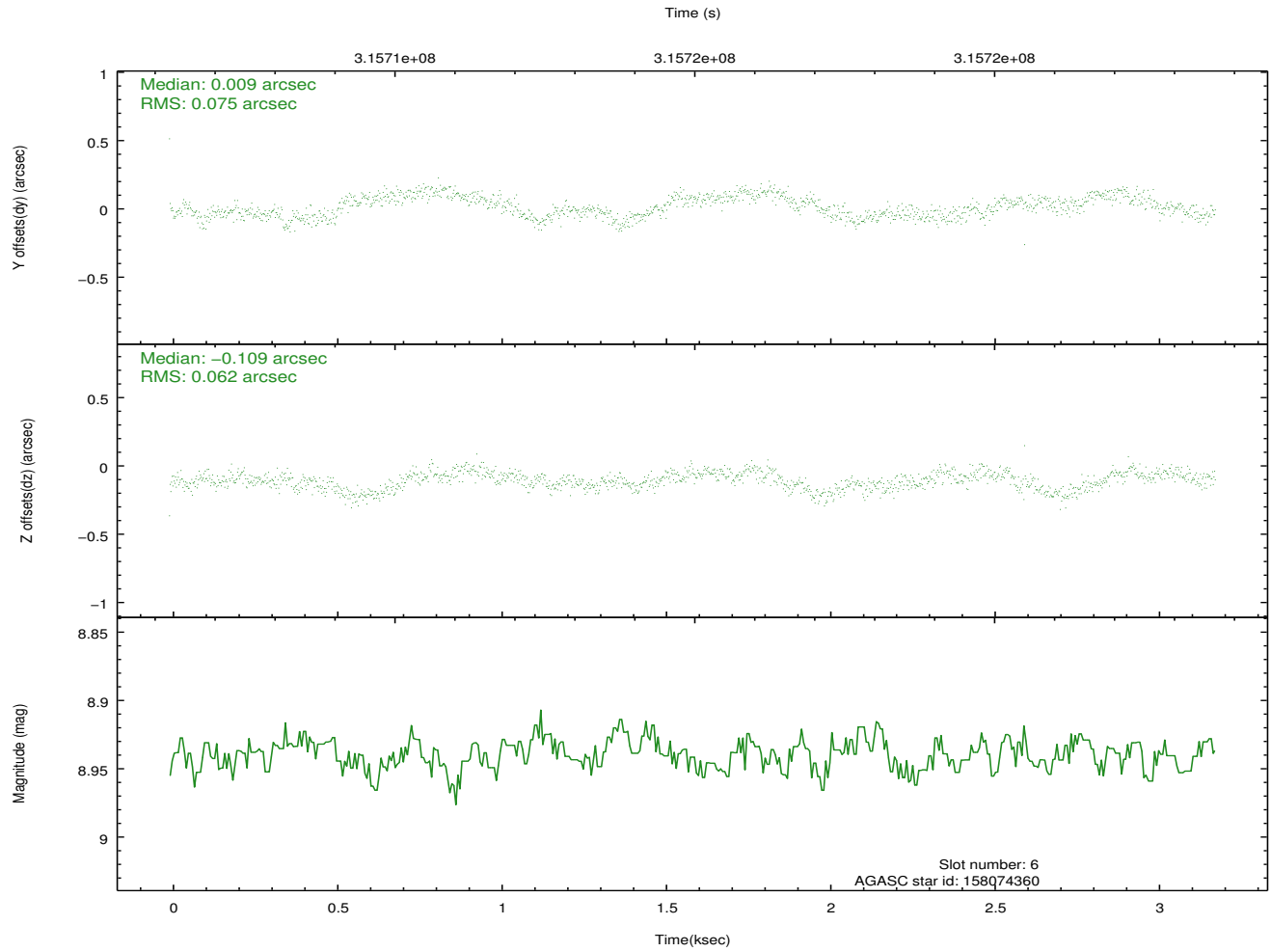
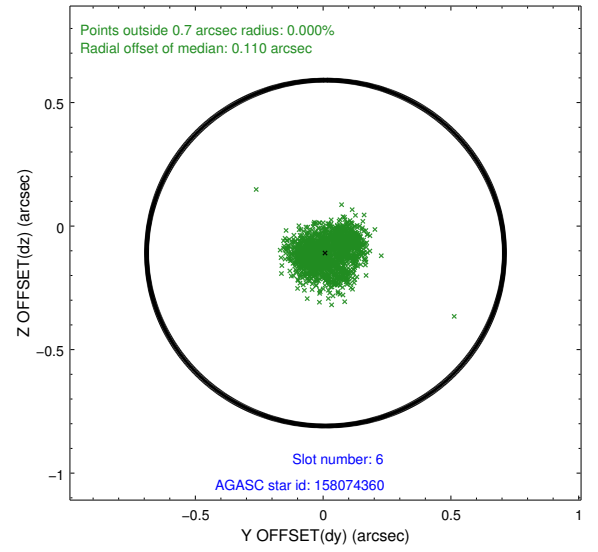
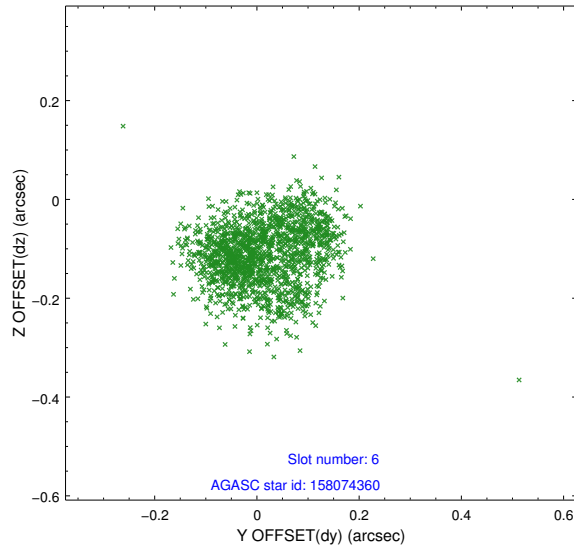
2.4.2 Slot 4



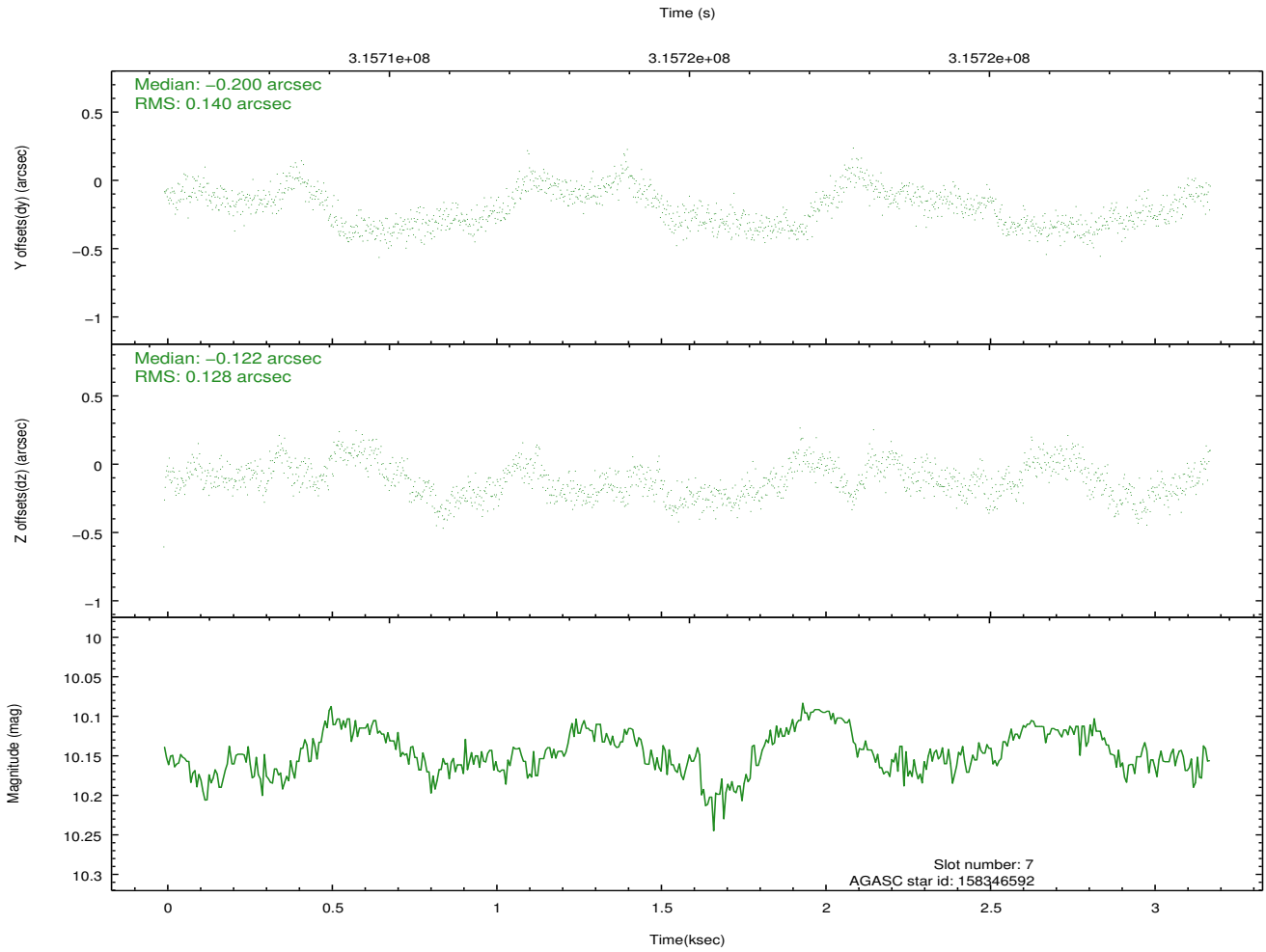
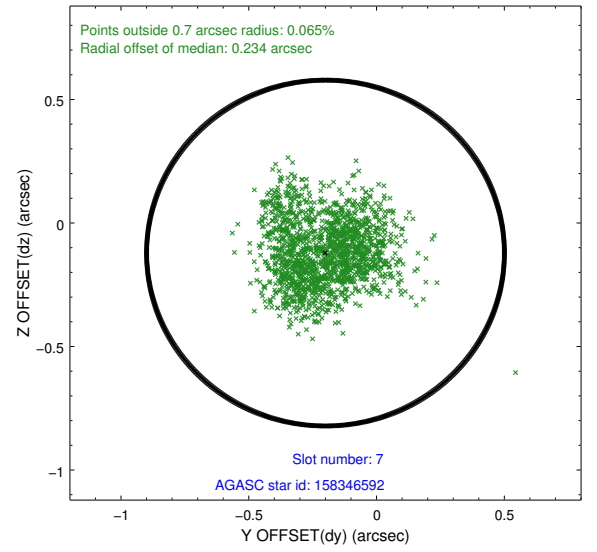
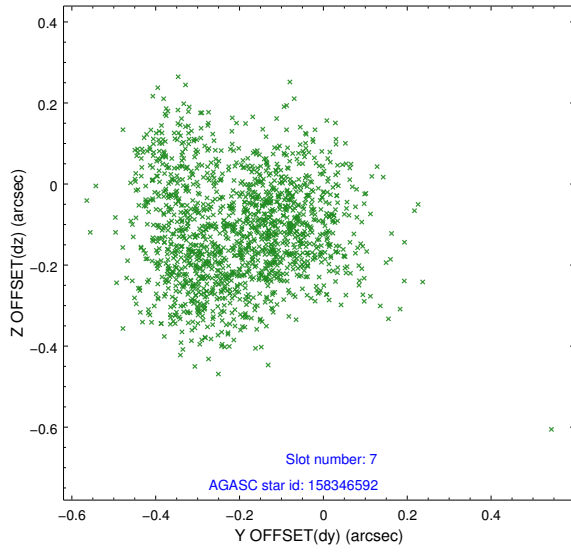
2.4.3 Slot 5



2.4.4 Slot 6

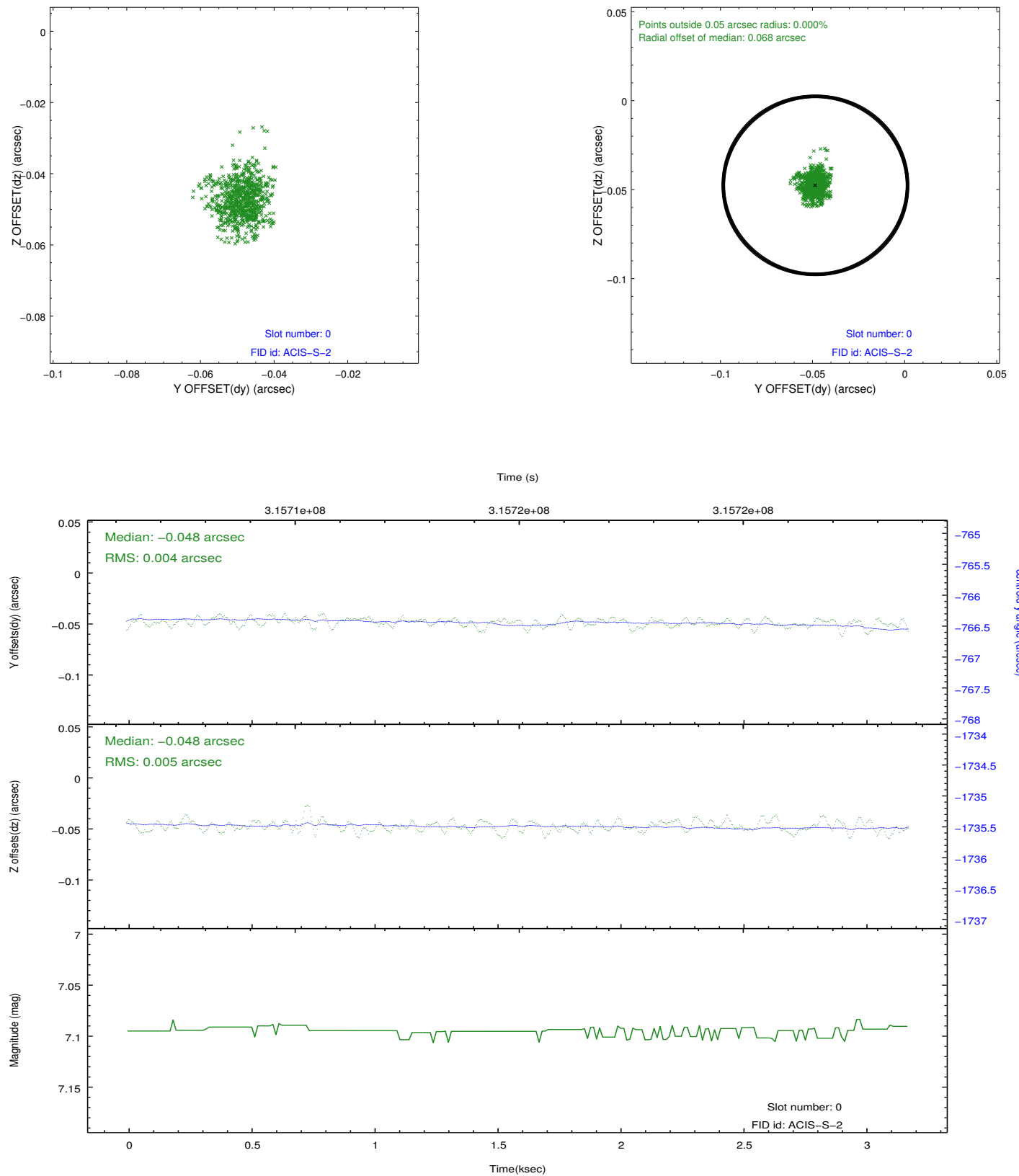


2.4.5 Slot 7

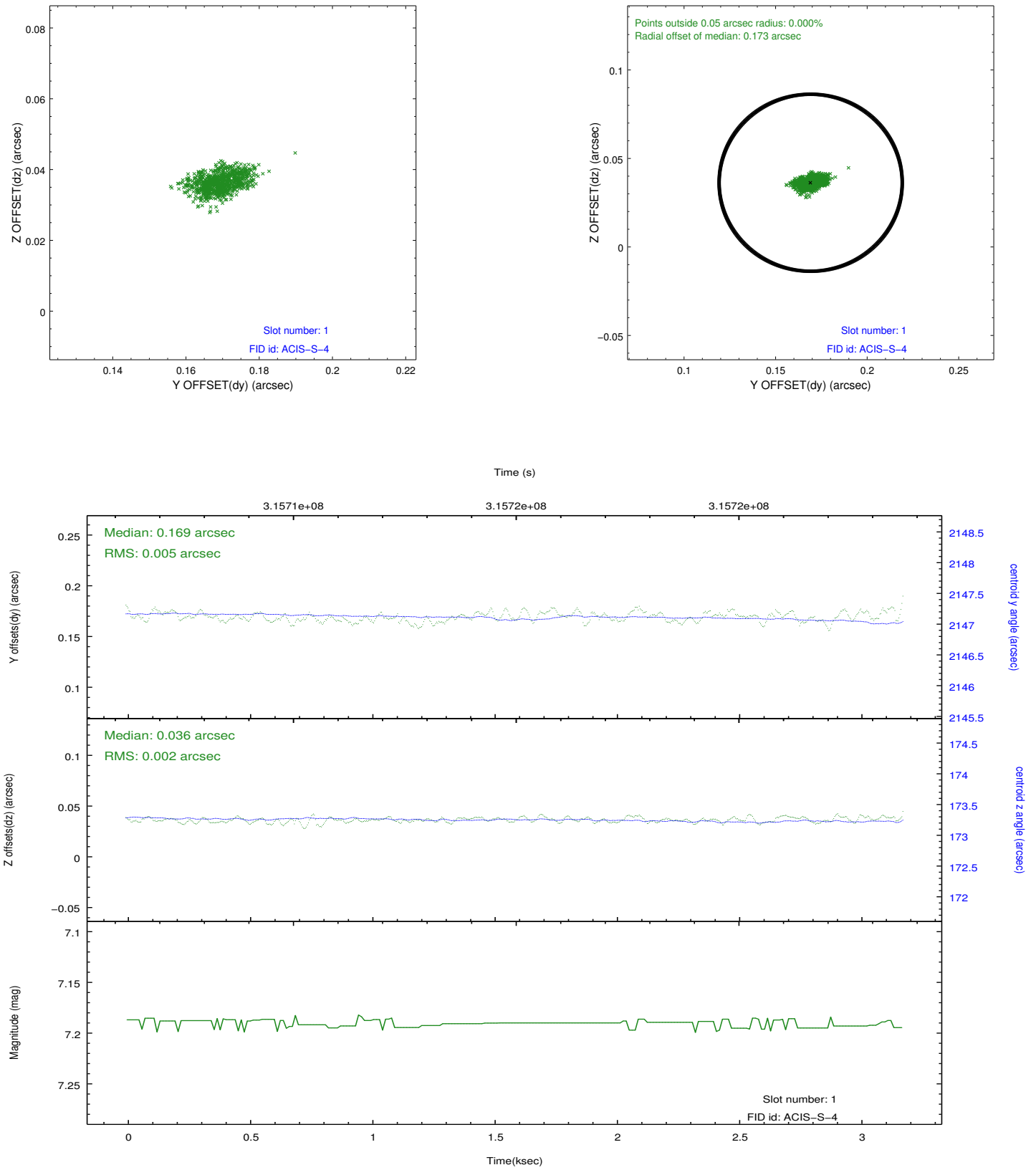


2.5 FID Slots

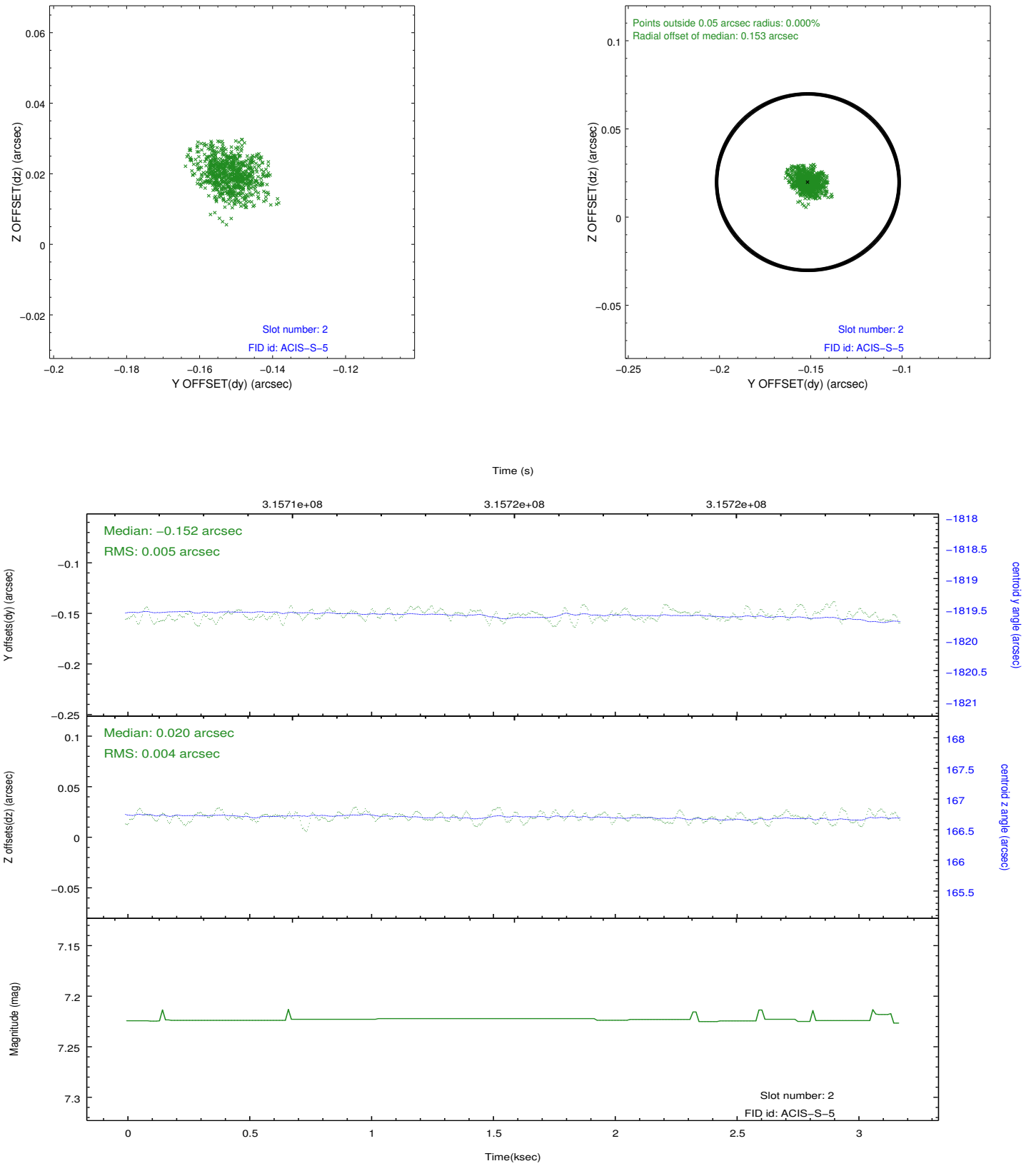
2.5.1 Slot 0



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	3.17439998

A.2 Comments

Time constraint met.