

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4125 - L2 Version 3
Chandra X-Ray Center

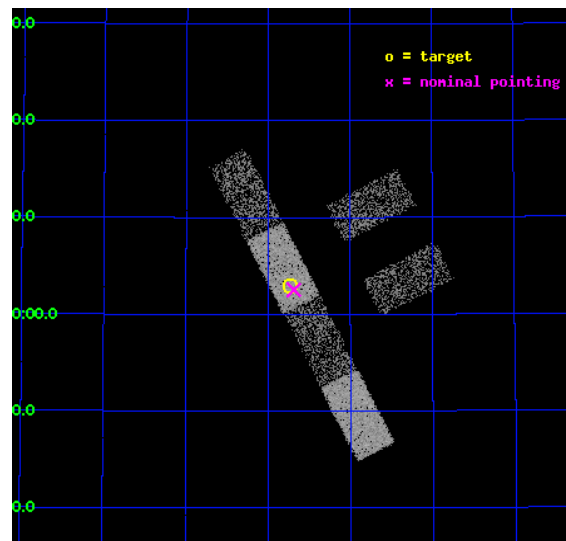
L2 Processing Date : Oct 31 2012

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1 Front

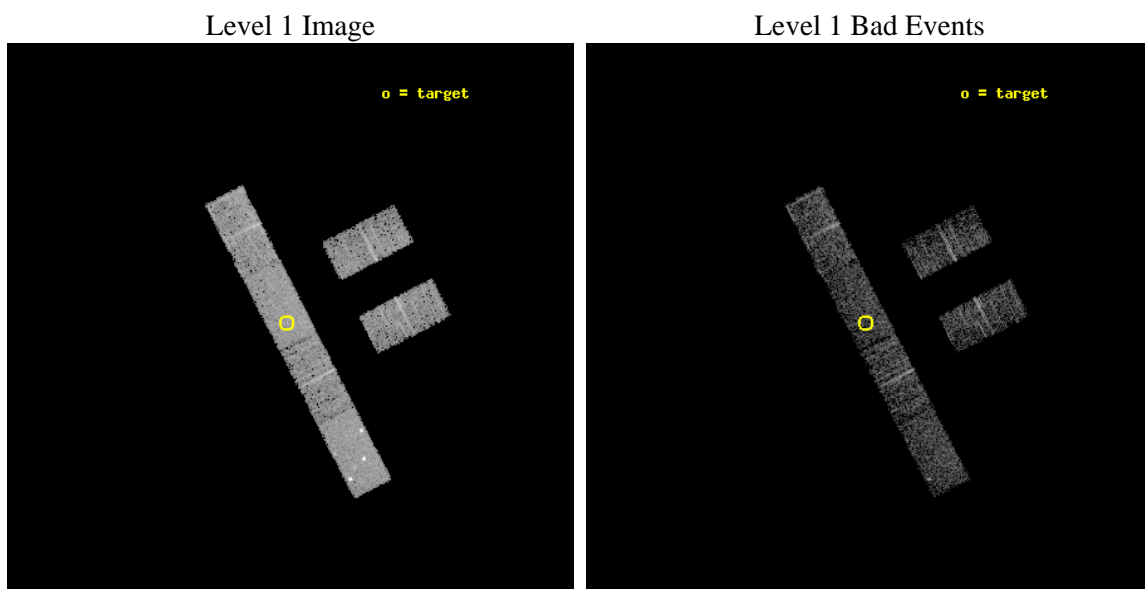
seq_num	700804	Sequence number
obs_id	4125	Observation id
title	WHAT KIND OF JETS DOES NATURE MAKE? X-RAY CHARACTERIZATION OF THE FIRST FLAT SPECTRUM SAMPLE	Proposal title
observer	Dr. Giovanni Fossati	Principal investigator
object	87GB 1342+5518	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.182083	Observer's specified target RA [deg]
dec_targ	55.050167	Observer's specified target Dec [deg]
ra_nom	206.17178657661	Nominal RA [deg]
dec_nom	55.042447523824	Nominal Dec [deg]
roll_nom	242.78163382315	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3904.2000258565	Sum of GTIs [s]
livetime	3817.1685821827	Livetime [s]
ontime2	3904.2000258565	Sum of GTIs [s]
ontime3	3904.2000258565	Sum of GTIs [s]
ontime5	3904.2000258565	Sum of GTIs [s]
ontime6	3904.2000258565	Sum of GTIs [s]
ontime7	3904.2000258565	Sum of GTIs [s]
ontime8	3904.2000258565	Sum of GTIs [s]
l2events	19220	Number of level 2 events



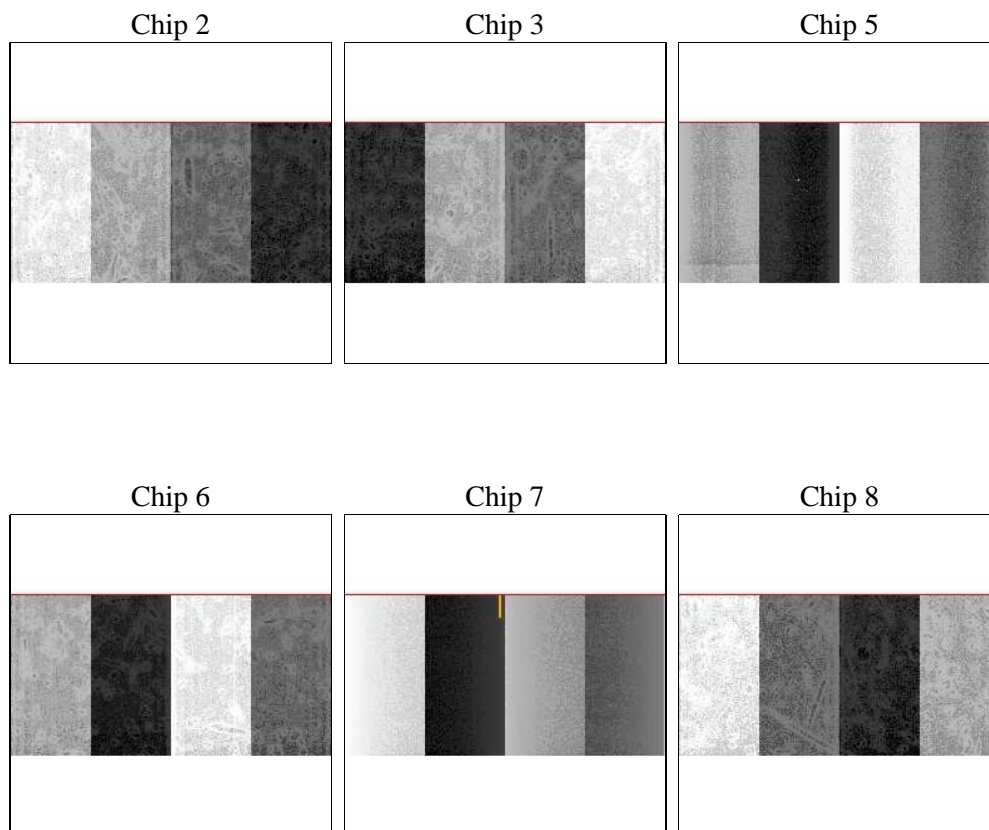
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3904.2000258565	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3904.2000258565	Sum of GTIs [s]
date	2012-10-31T03:47:08	Date and time of file creation	ontime3	3904.2000258565	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3904.2000258565	Sum of GTIs [s]
			ontime6	3904.2000258565	Sum of GTIs [s]
			ontime7	3904.2000258565	Sum of GTIs [s]
			ontime8	3904.2000258565	Sum of GTIs [s]
			l1events	88689	Number of level 1 events

2.1.4 Events

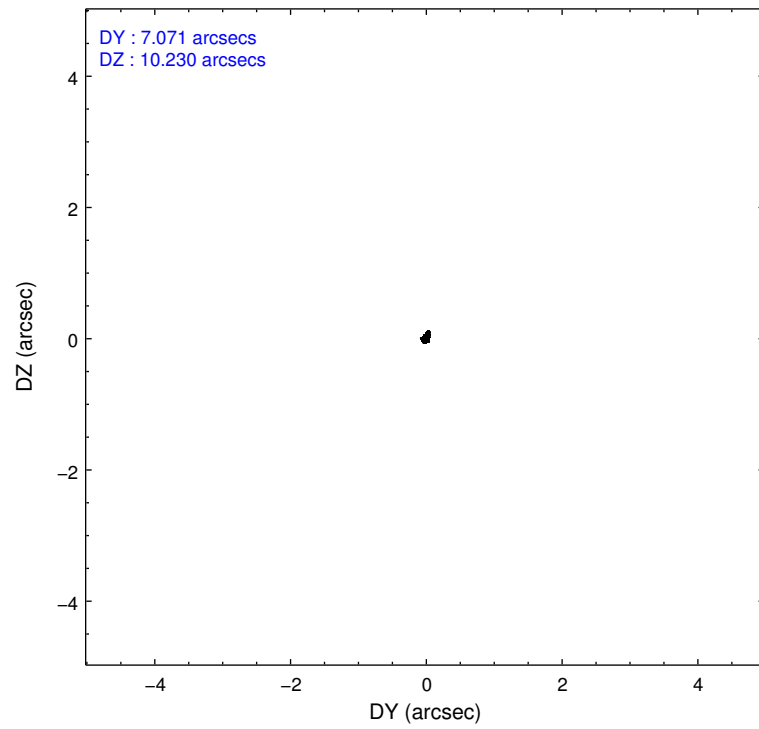
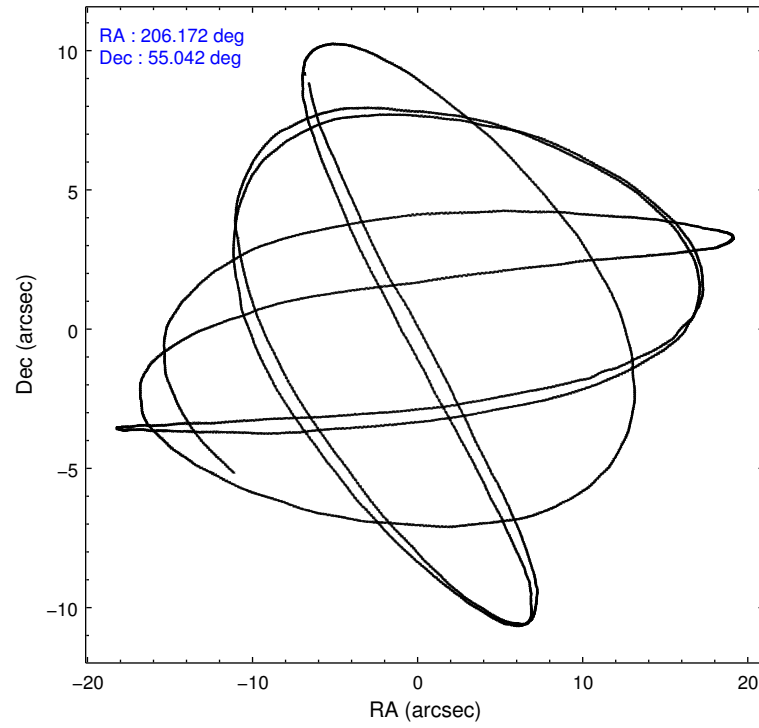
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	12278	11733	20154	12292	16264	15968
rejected events	10817	10260	9255	10824	9367	12559
rejected %	88%	87%	45%	88%	57%	78%

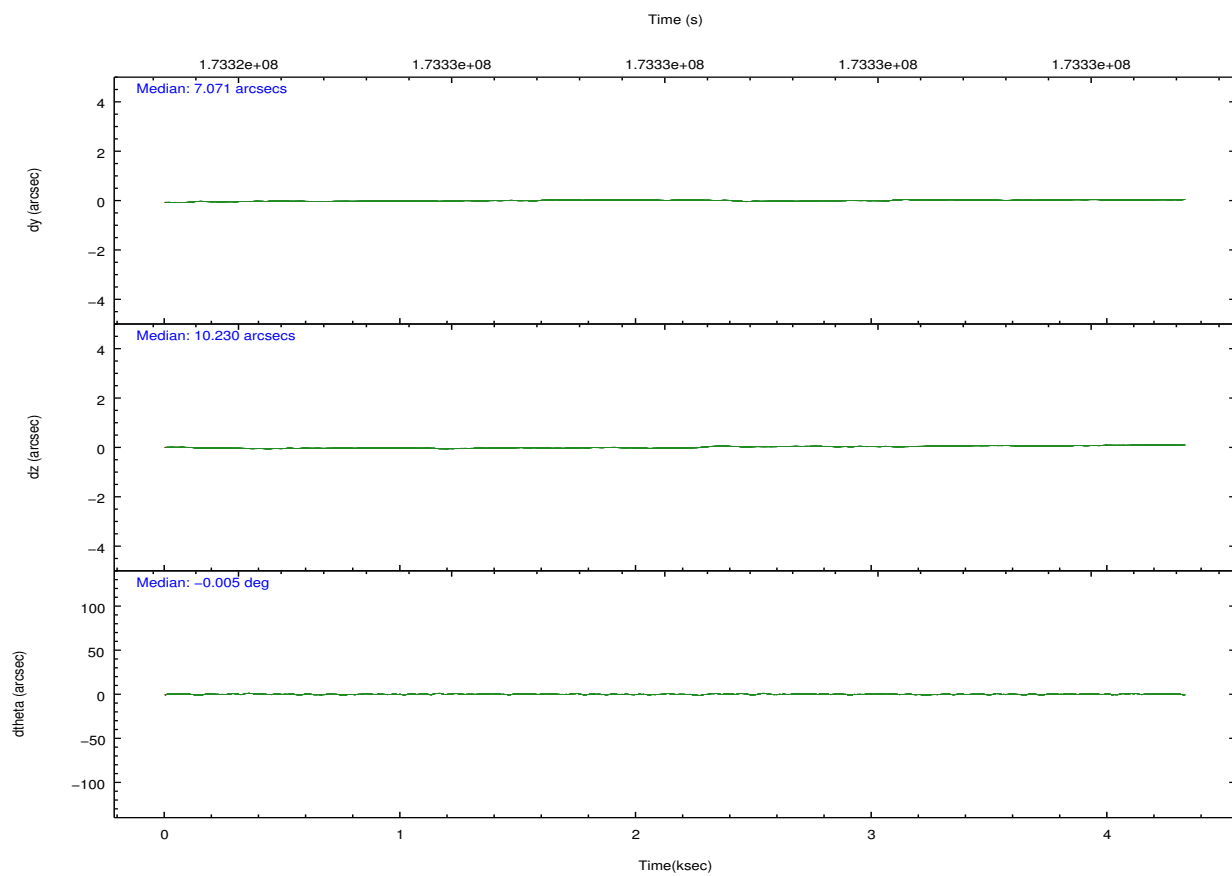
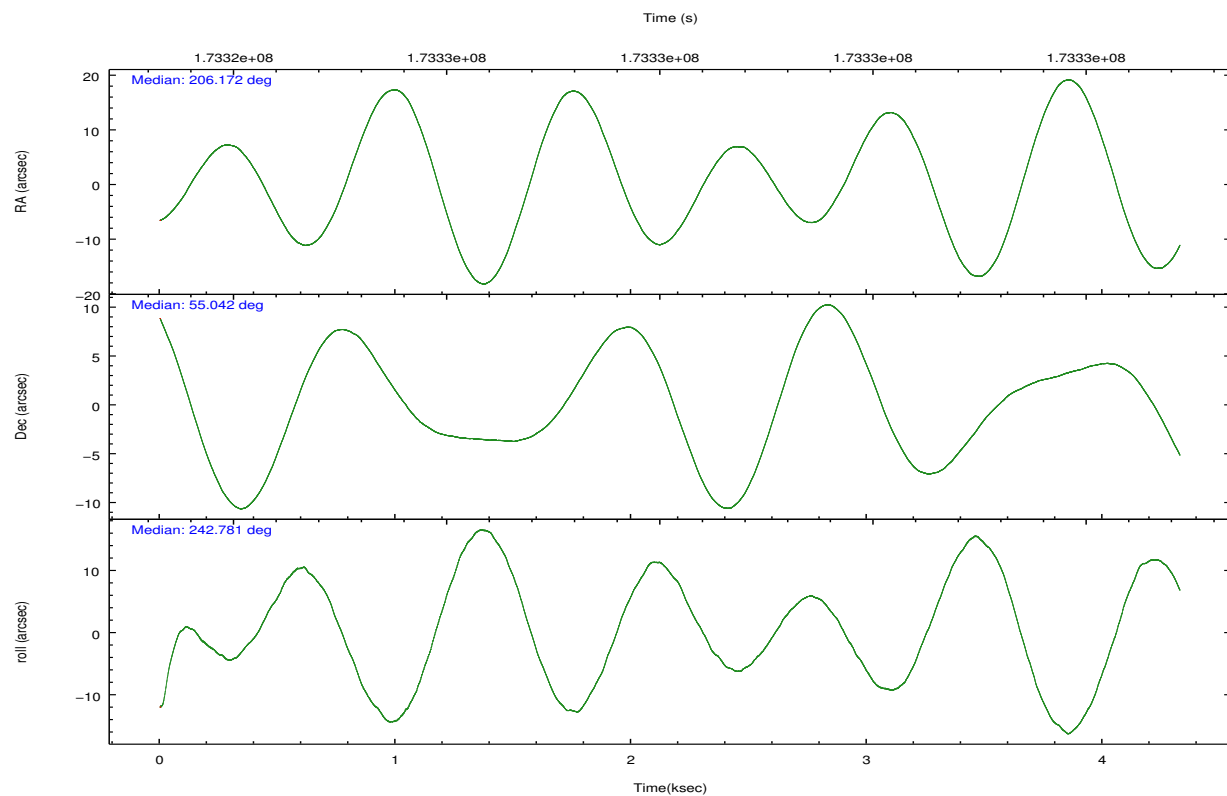
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	649	645	3711	523	702	1015
	5%	5%	18%	4%	4%	6%
grade 1 events	4	4	150	3	16	10
	0%	0%	0%	0%	0%	0%
grade 2 events	299	263	2531	279	1433	759
	2%	2%	12%	2%	8%	4%
grade 3 events	147	168	396	187	647	356
	1%	1%	1%	1%	3%	2%
grade 4 events	152	163	385	184	664	329
	1%	1%	1%	1%	4%	2%
grade 5 events	437	498	1353	506	1587	720
	3%	4%	6%	4%	9%	4%
grade 6 events	215	236	3880	295	3454	951
	1%	2%	19%	2%	21%	5%
grade 7 events	10375	9756	7748	10315	7761	11828
	84%	83%	38%	83%	47%	74%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	206.168909	206.1717865766101	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	55.069658	55.04244752382385	Subarray start row	257	257
[deg] Pointing Roll	242.627389	242.7816338231544	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	173325713.184000	173324430.43596			
Observation start date	2003-06-30T02:00:49	2003-06-30T01:40:30			
[s] Observation end time (MET)	173329213.184000	173330056.14869			
Observation end date	2003-06-30T02:59:09	2003-06-30T03:14:16			
Read mode	TIMED	TIMED			

2.3 Aspect



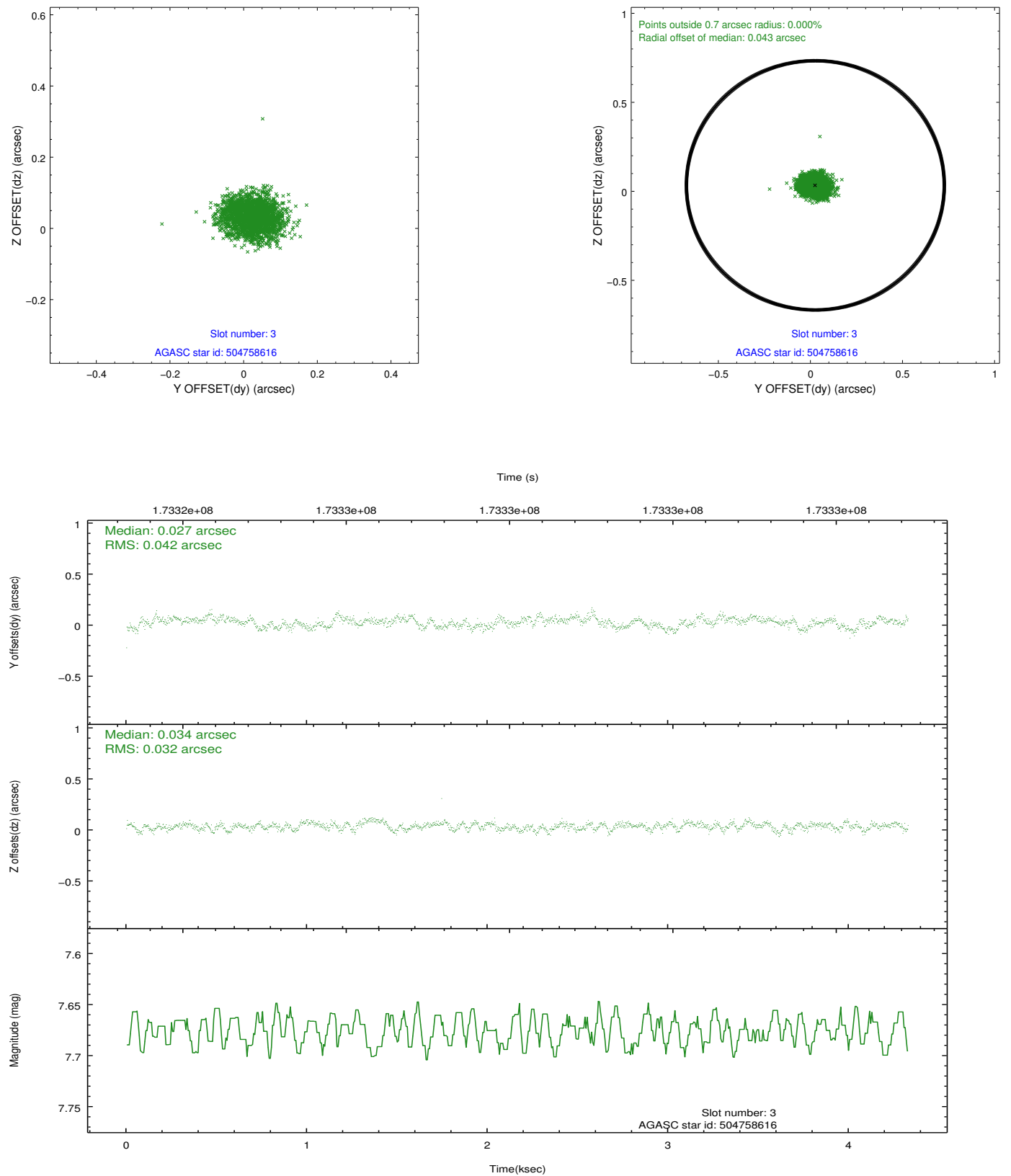


Slot Statistics

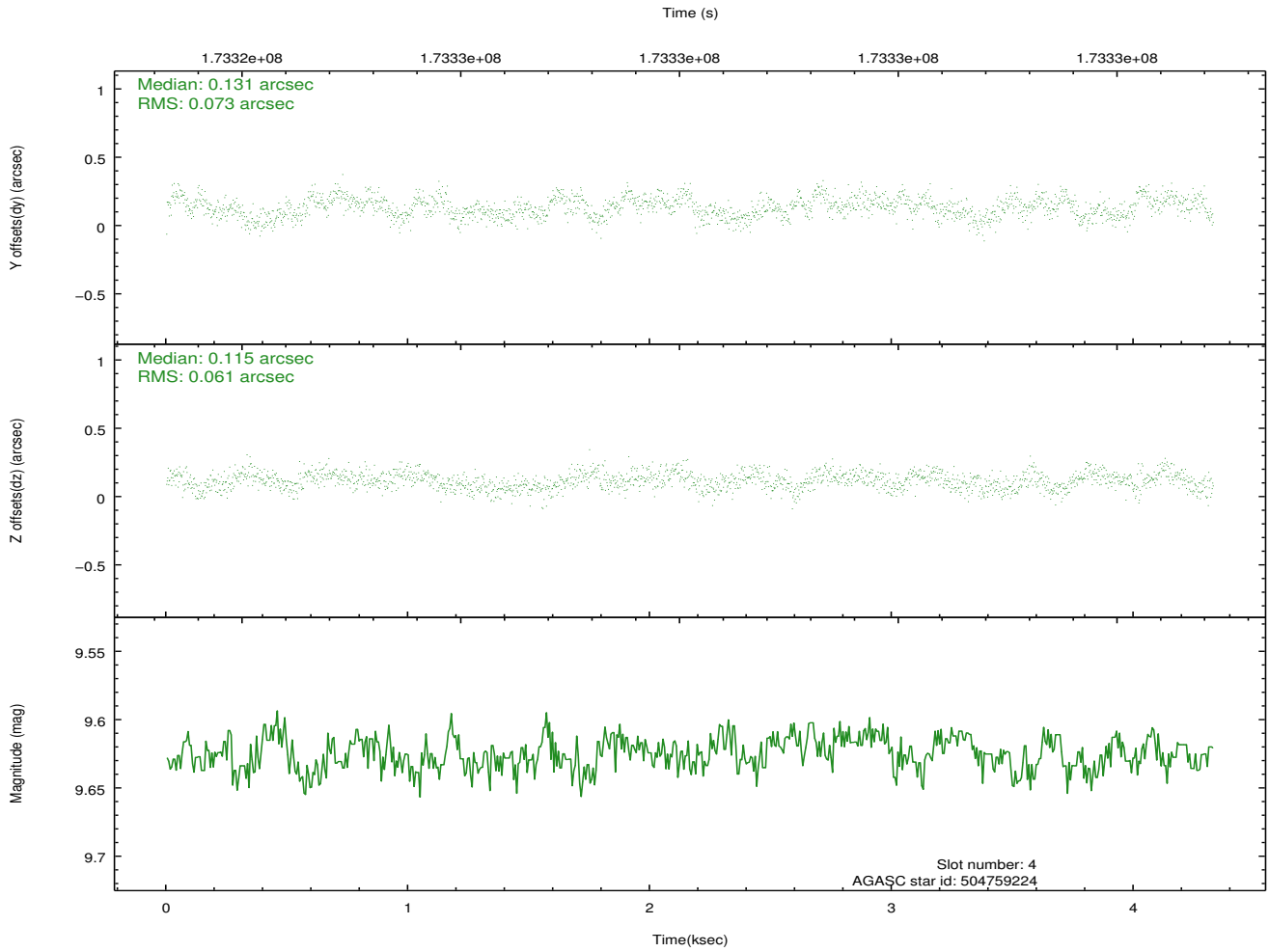
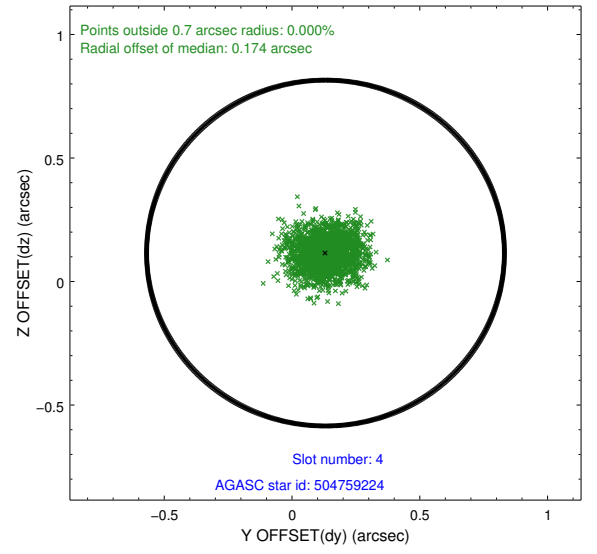
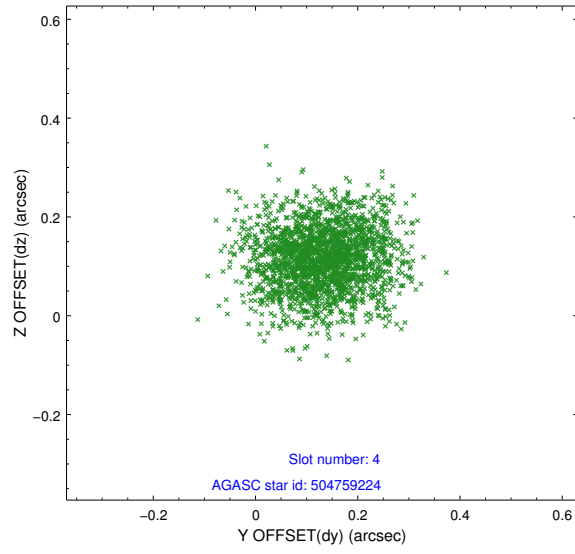
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1056	-0.045	-0.003	0.006	0.010	0.000000	0.000000	-759.83	-1731.51
1	FID	ACIS-S-4	7.20	1056	0.053	0.023	0.005	0.009	0.000000	0.000000	2152.86	175.57
2	FID	ACIS-S-5	7.23	1056	-0.039	-0.010	0.006	0.010	0.000000	0.000000	-1810.87	170.76
3	GUIDE	504758616	7.68	2110	0.027	0.034	0.057	0.090	206.022332	54.501599	1956.59	668.10
4	GUIDE	504759224	9.63	2111	0.131	0.115	0.102	0.165	206.509960	54.382342	1868.03	1772.42
5	GUIDE	504770328	6.17	2112	0.025	-0.014	0.066	0.104	206.648581	54.432687	1572.37	1945.68
6	GUIDE	505160968	9.59	2110	-0.038	-0.126	0.102	0.165	206.688279	55.414175	-1592.23	371.33
7	GUIDE	505163040	6.94	2111	-0.150	-0.013	0.054	0.083	206.025637	55.634983	-1674.67	-1194.18

2.4 Star Slots

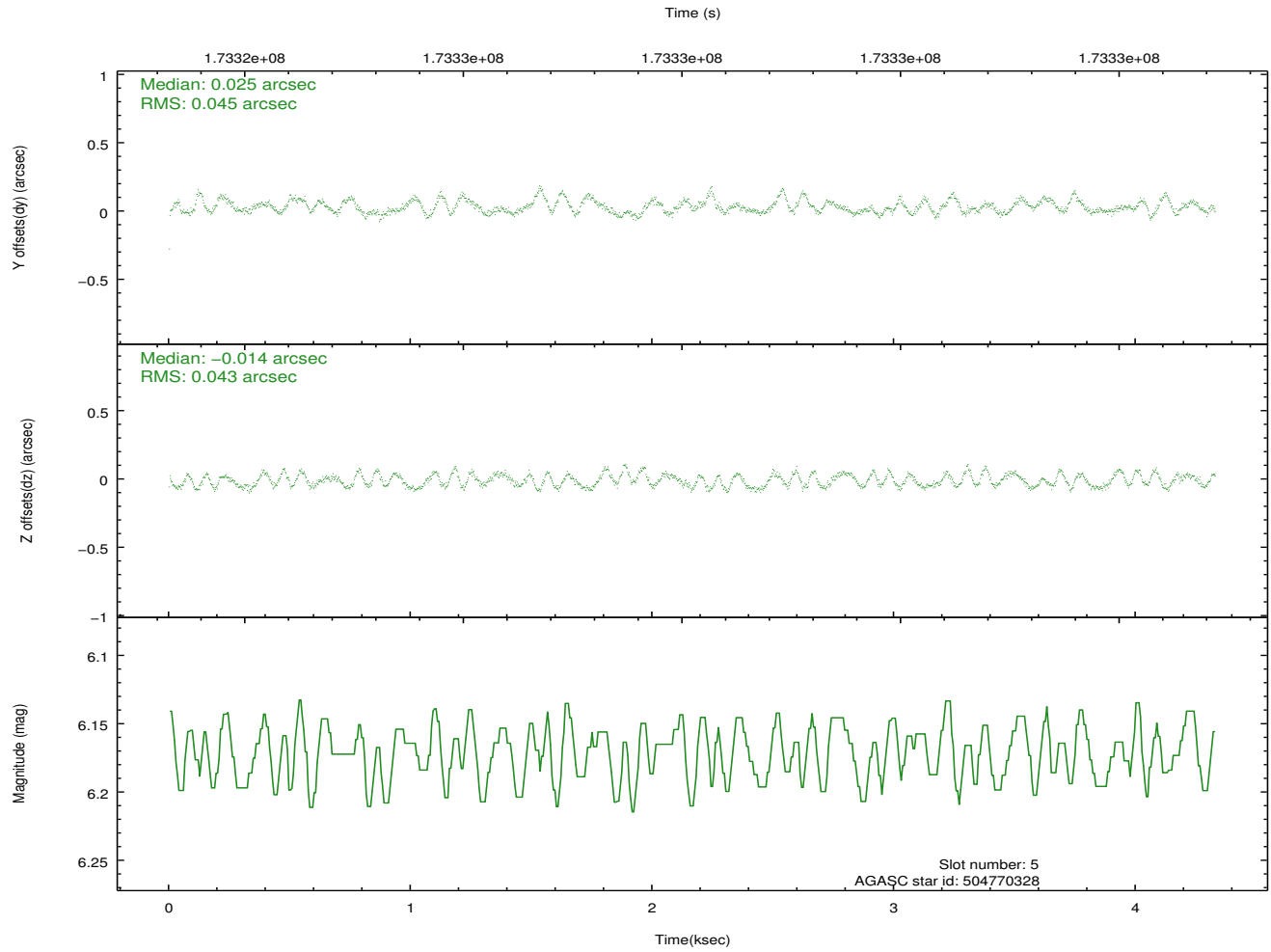
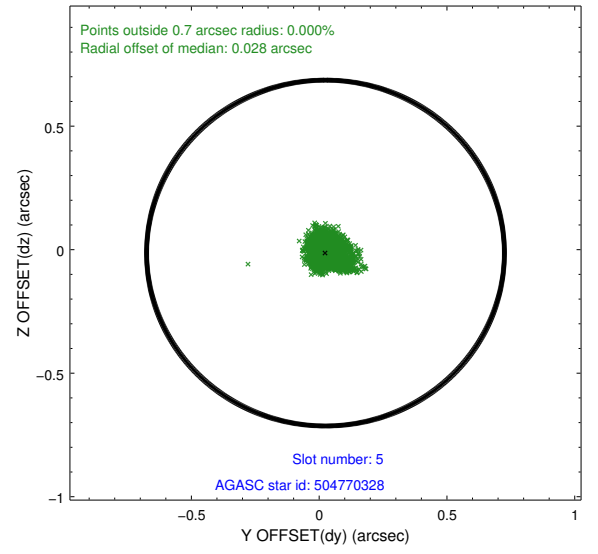
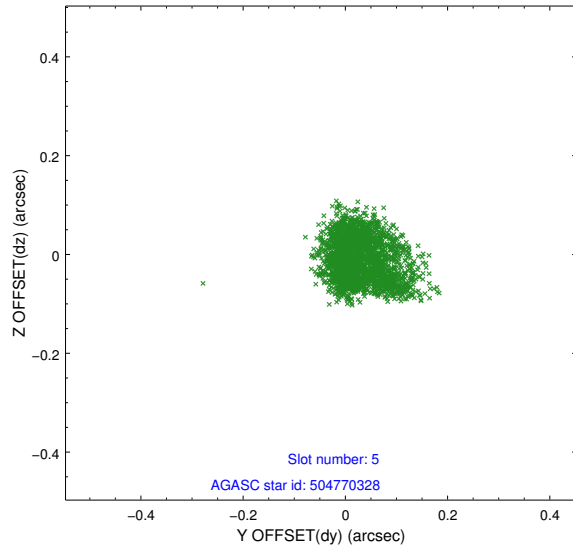
2.4.1 Slot 3



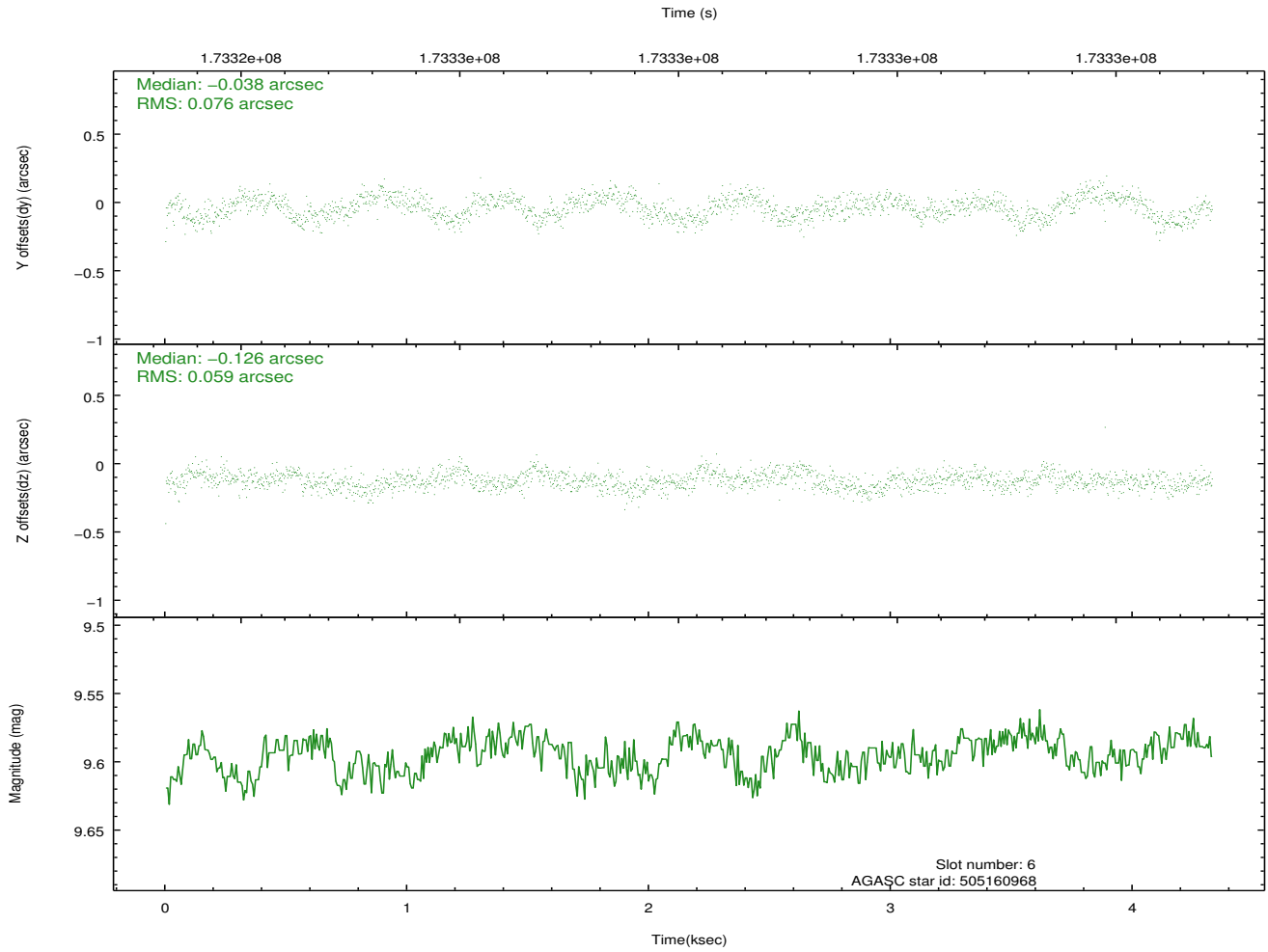
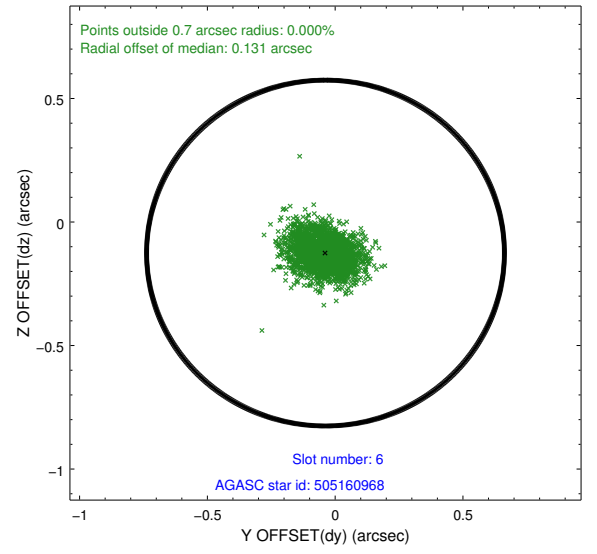
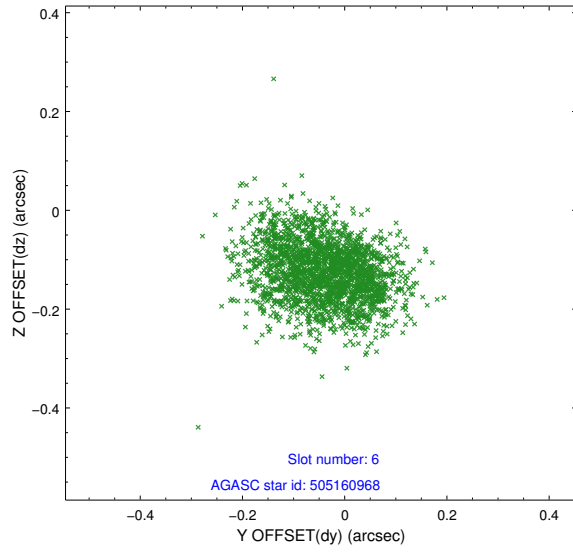
2.4.2 Slot 4



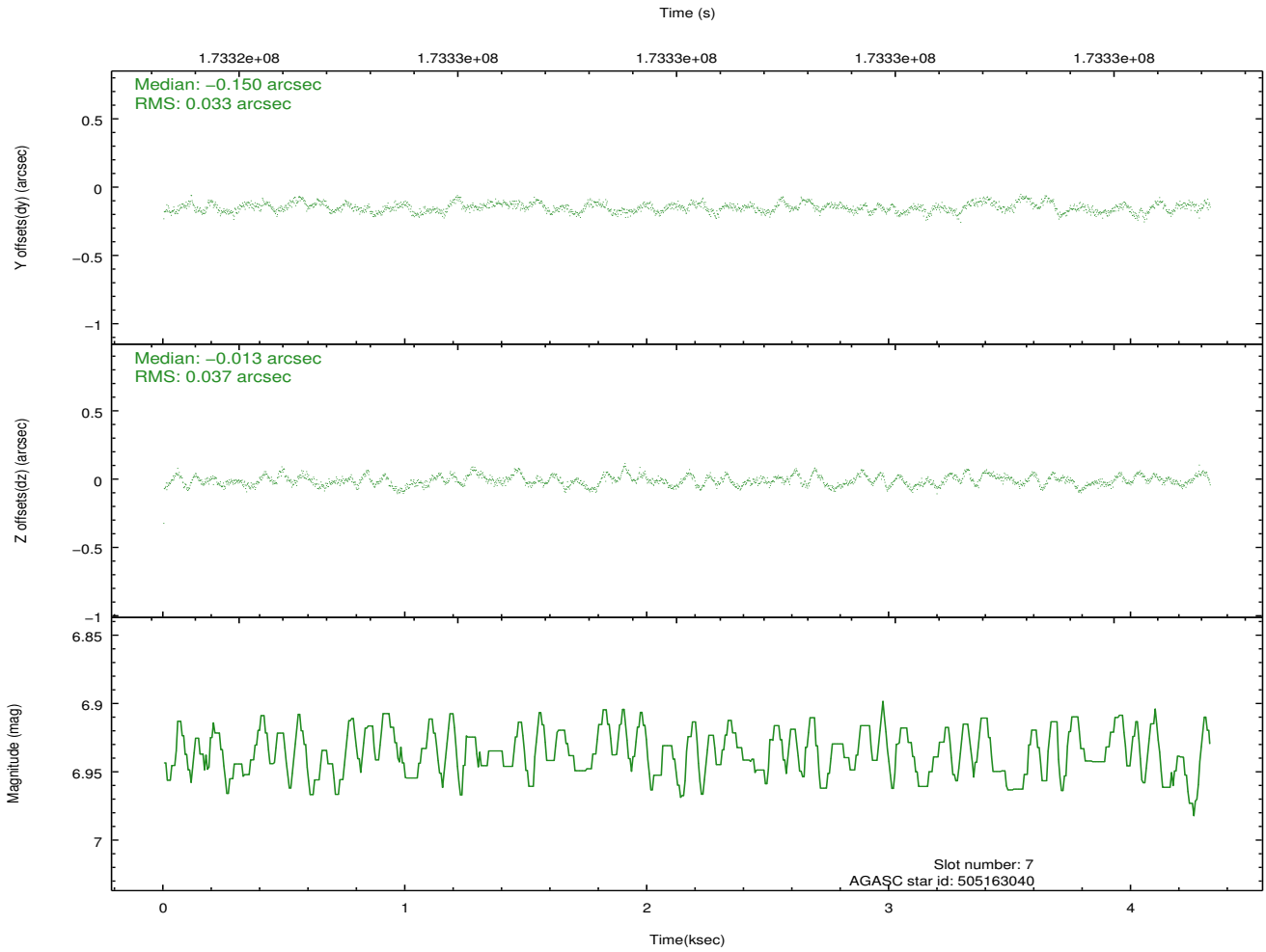
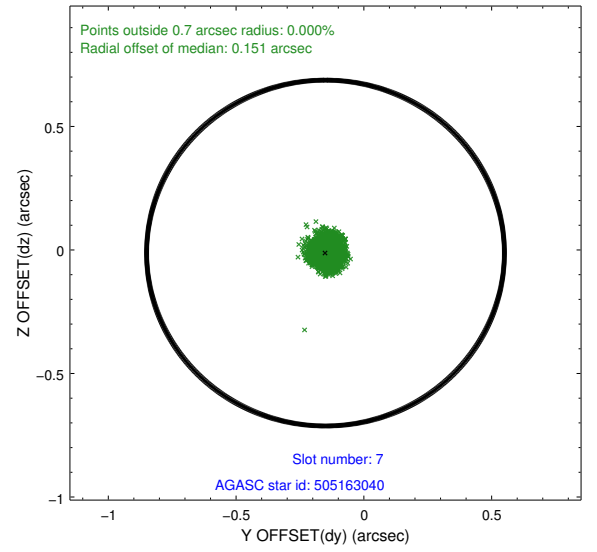
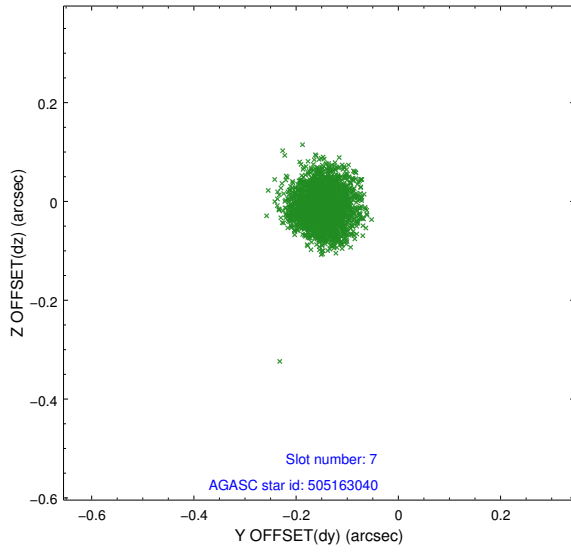
2.4.3 Slot 5



2.4.4 Slot 6

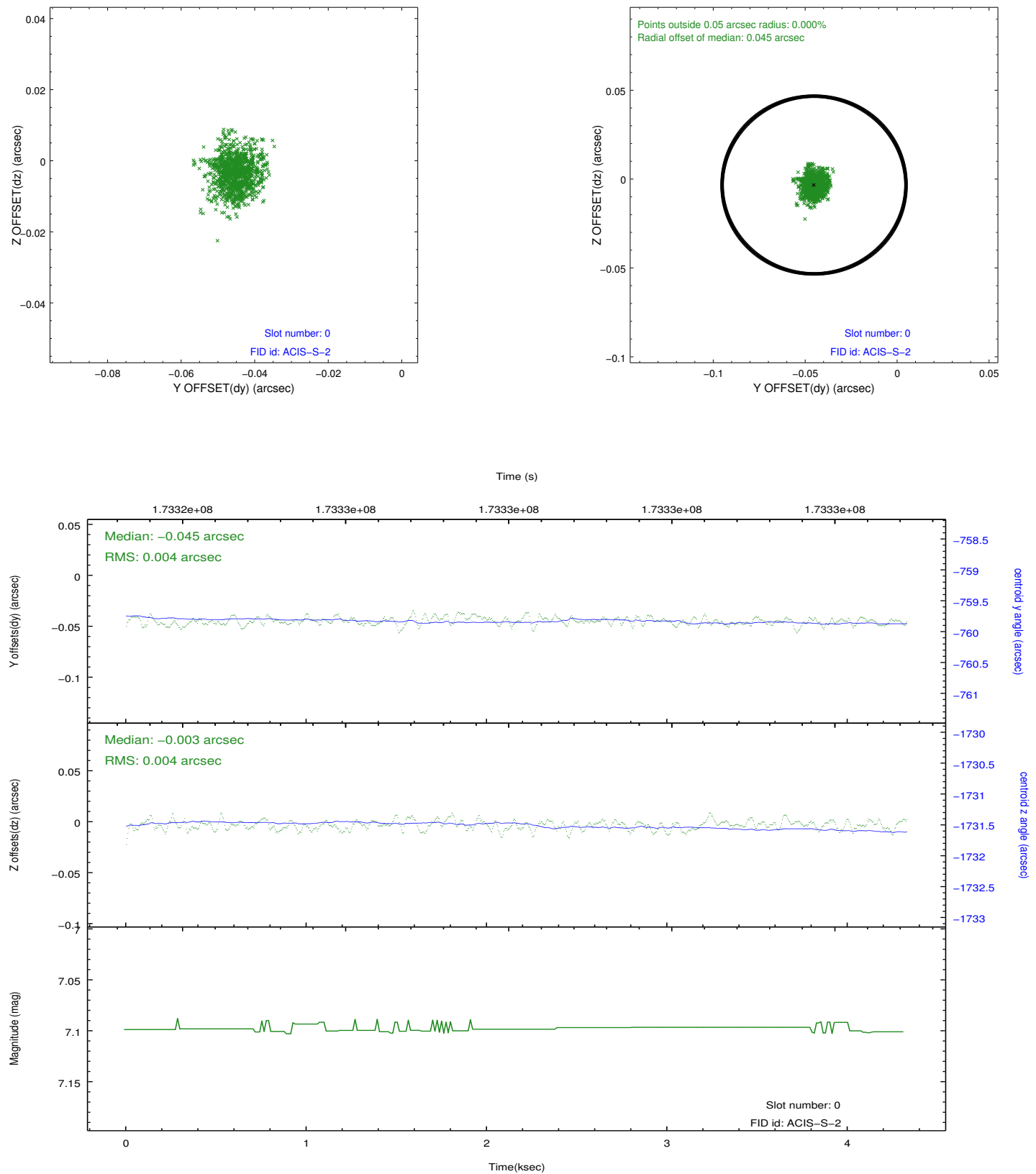


2.4.5 Slot 7

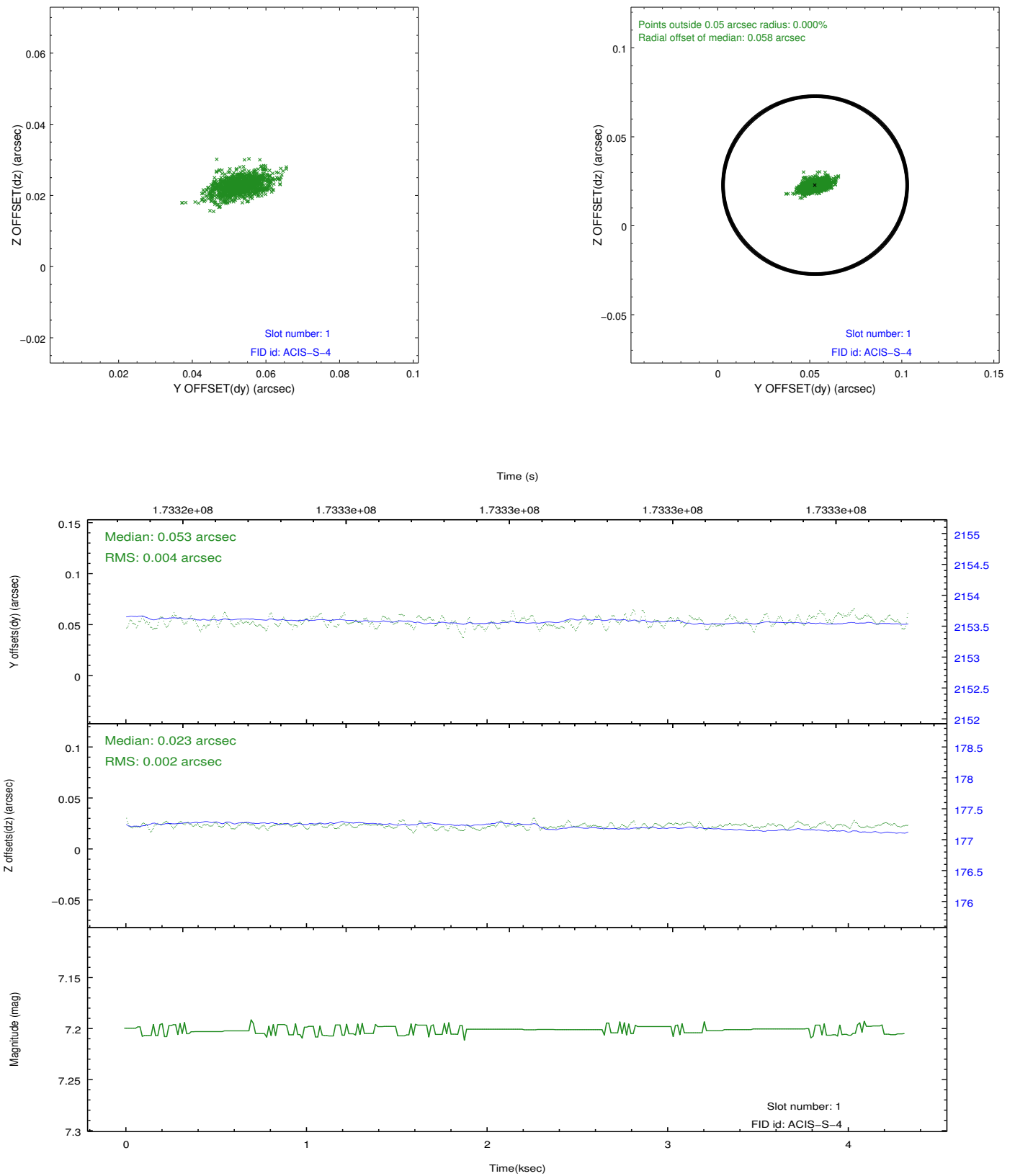


2.5 FID Slots

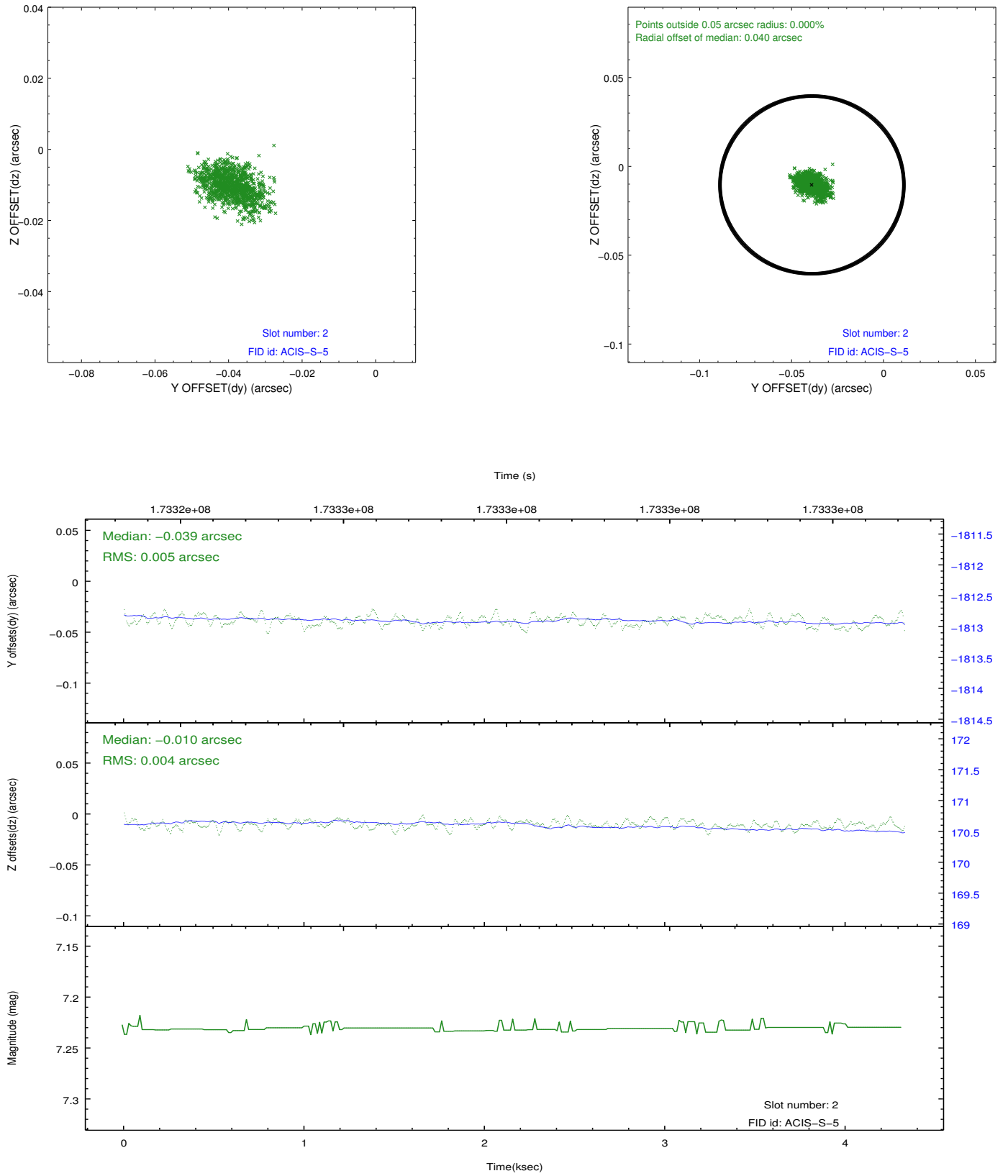
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.906

A.2 Comments