

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3030 - L2 Version 3
Chandra X-Ray Center

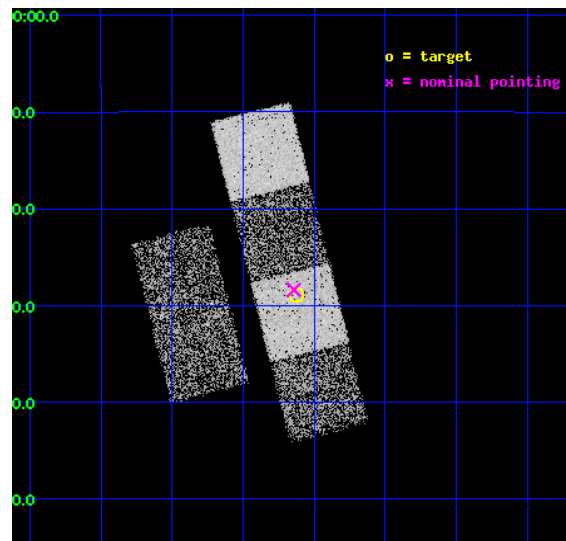
L2 Processing Date : Oct 14 2012

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1 Front

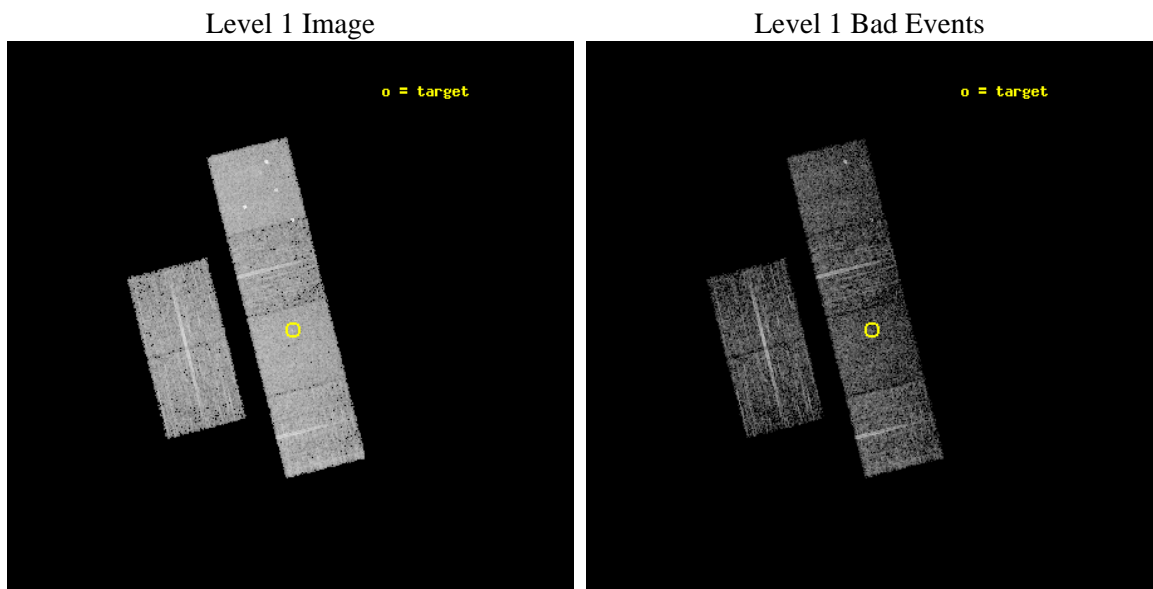
seq_num	700469	Sequence number
obs_id	3030	Observation id
title	A CHANDRA AND XMM-NEWTON STUDY OF THE MOST DISTANT QUASARS: X-RAYING THE FIRST MASSIVE BLACK HOLES	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSSJ023137-072854	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.906667	Observer's specified target RA [deg]
dec_targ	-7.481806	Observer's specified target Dec [deg]
ra_nom	37.910670030661	Nominal RA [deg]
dec_nom	-7.4729969340434	Nominal Dec [deg]
roll_nom	75.939981182597	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4252.7999841571	Sum of GTIs [s]
livetime	4198.948470029	Livetime [s]
ontime2	4252.7999841571	Sum of GTIs [s]
ontime3	4252.7999841571	Sum of GTIs [s]
ontime5	4252.7999841571	Sum of GTIs [s]
ontime6	4252.7999841571	Sum of GTIs [s]
ontime7	4252.7999841571	Sum of GTIs [s]
ontime8	4249.5591134727	Sum of GTIs [s]
l2events	40978	Number of level 2 events



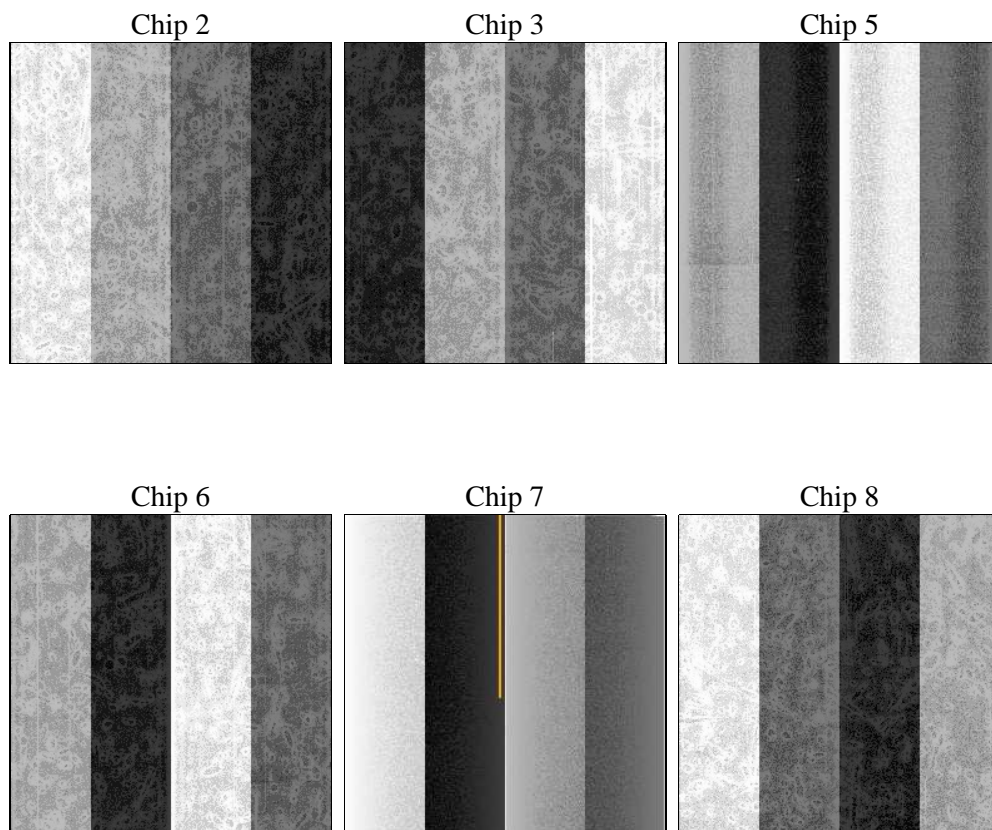
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4252.7999841571	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4252.7999841571	Sum of GTIs [s]
date	2012-10-14T20:11:44	Date and time of file creation	ontime3	4252.7999841571	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4252.7999841571	Sum of GTIs [s]
			ontime6	4252.7999841571	Sum of GTIs [s]
			ontime7	4252.7999841571	Sum of GTIs [s]
			ontime8	4249.5591134727	Sum of GTIs [s]
			l1events	188700	Number of level 1 events

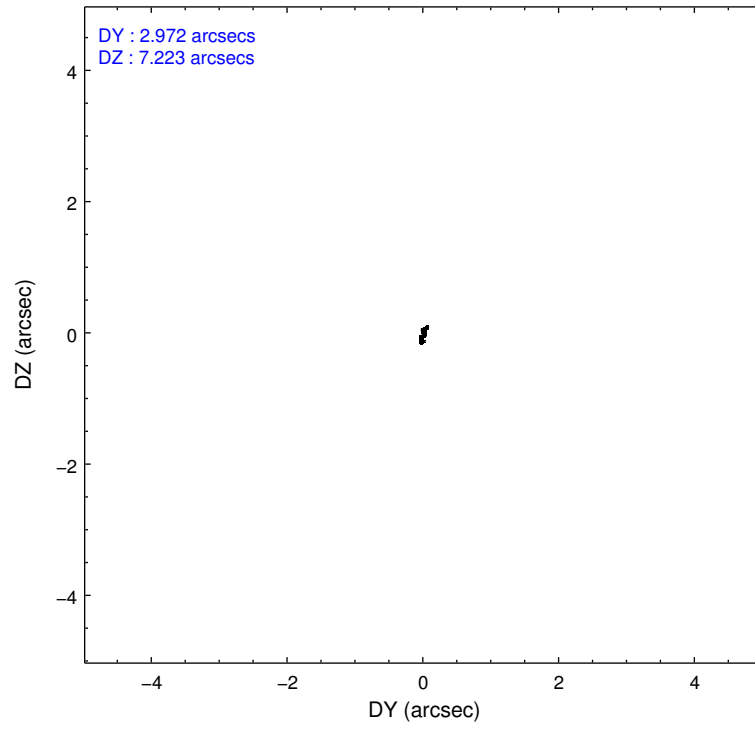
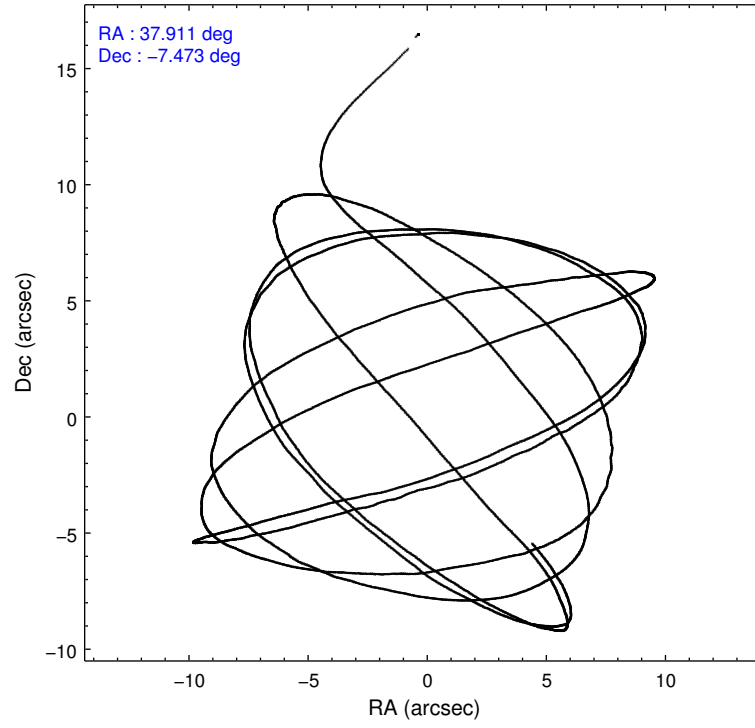
2.1.4 Events

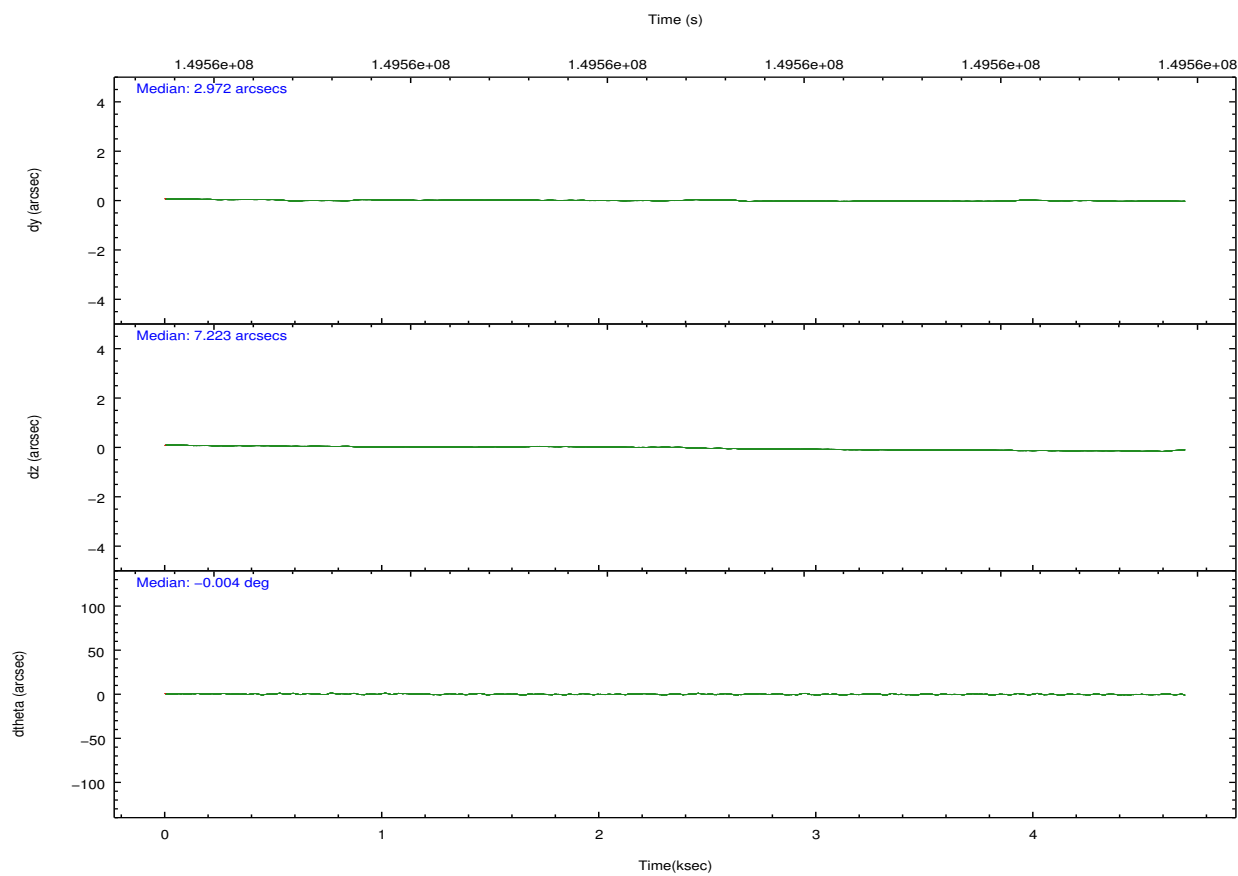
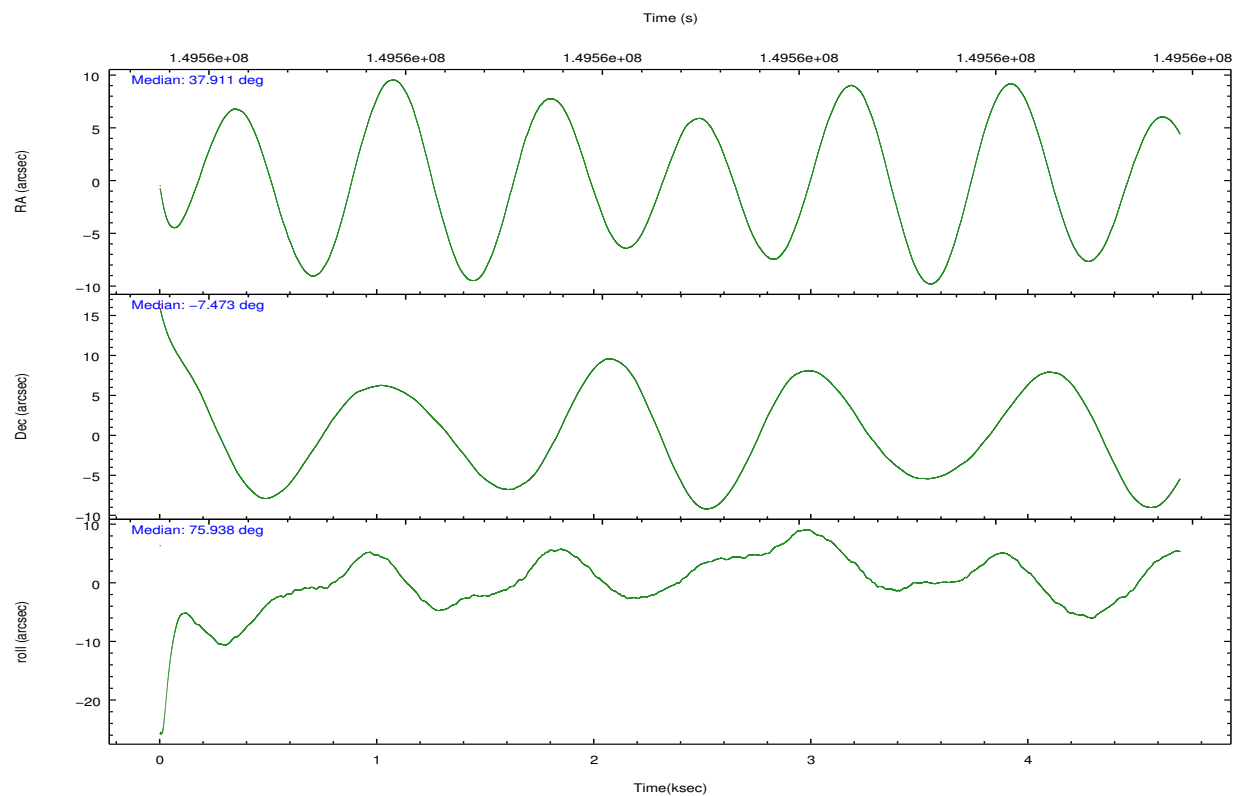
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26708	25902	39021	26747	34718	35604	grade 0 events	1370	1358	2232	1237	1329	2092
rejected events	23590	22911	21090	23616	20400	28929		5%	5%	5%	4%	3%	5%
rejected %	88%	88%	54%	88%	58%	81%	grade 1 events	14	13	80	21	25	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	632	540	5094	655	2777	1362
								2%	2%	13%	2%	7%	3%
							grade 3 events	290	287	864	331	1329	732
								1%	1%	2%	1%	3%	2%
							grade 4 events	292	315	691	297	1299	698
								1%	1%	1%	1%	3%	1%
							grade 5 events	1020	1064	3080	1195	3223	1436
								3%	4%	7%	4%	9%	4%
							grade 6 events	536	496	9061	613	7592	1806
								2%	1%	23%	2%	21%	5%
							grade 7 events	22554	21829	17919	22398	17144	27455
								84%	84%	45%	83%	49%	77%

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	37.918564	37.91067003066142	Subarray requested	NONE	NONE
[deg] Pointing Dec	-7.499062	-7.472996934043372	Alternating exposures requested	N	N
[deg] Pointing Roll	75.784444	75.93998118259684	[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)	149557193.184000	149555912.51317			
Observation start date	2002-09-27T23:38:49	2002-09-27T23:18:32			
[s] Observation end time (MET)	149561693.184000	149562649.83845			
Observation end date	2002-09-28T00:53:49	2002-09-28T01:10:49			
Read mode	TIMED	TIMED			

2.3 Aspect



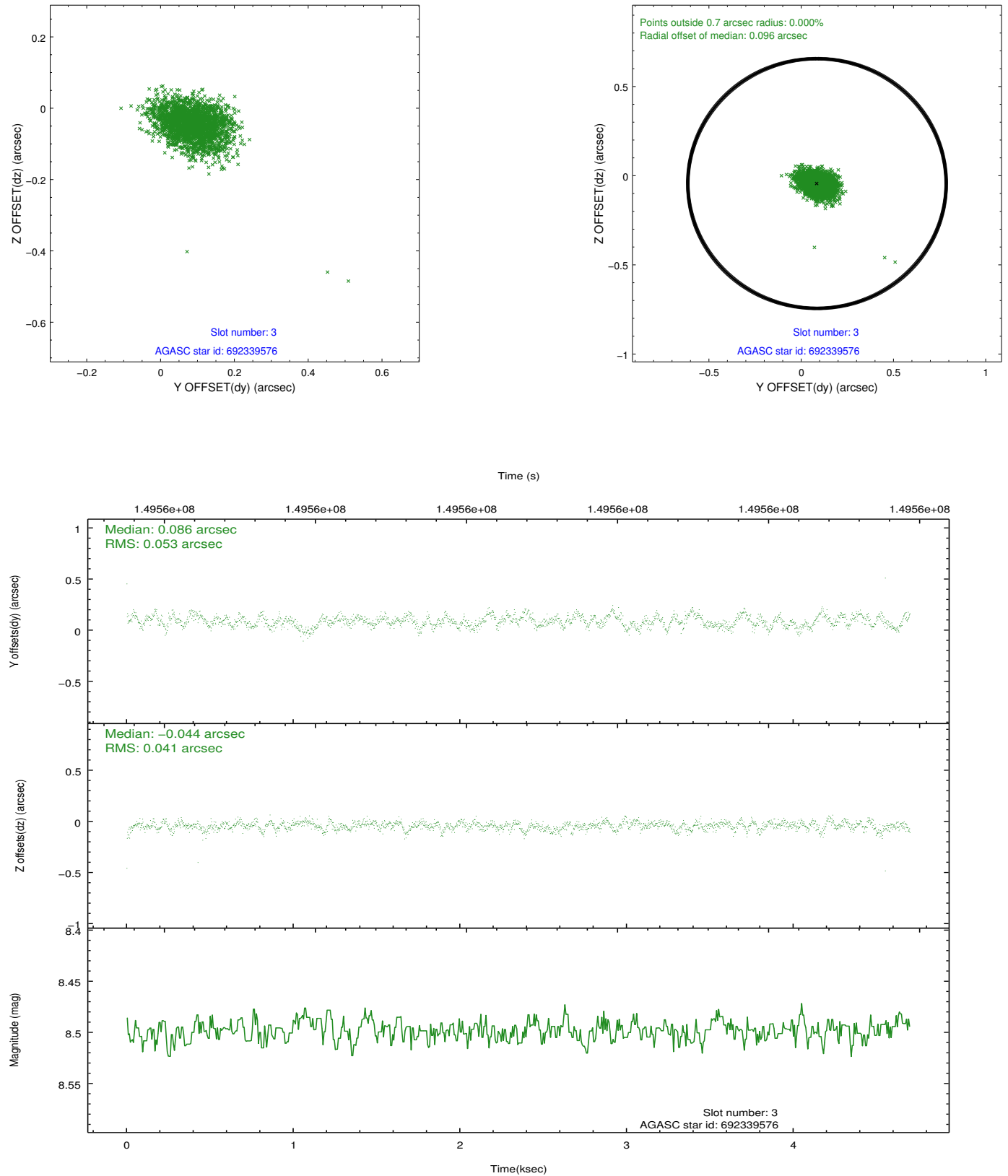


Slot Statistics

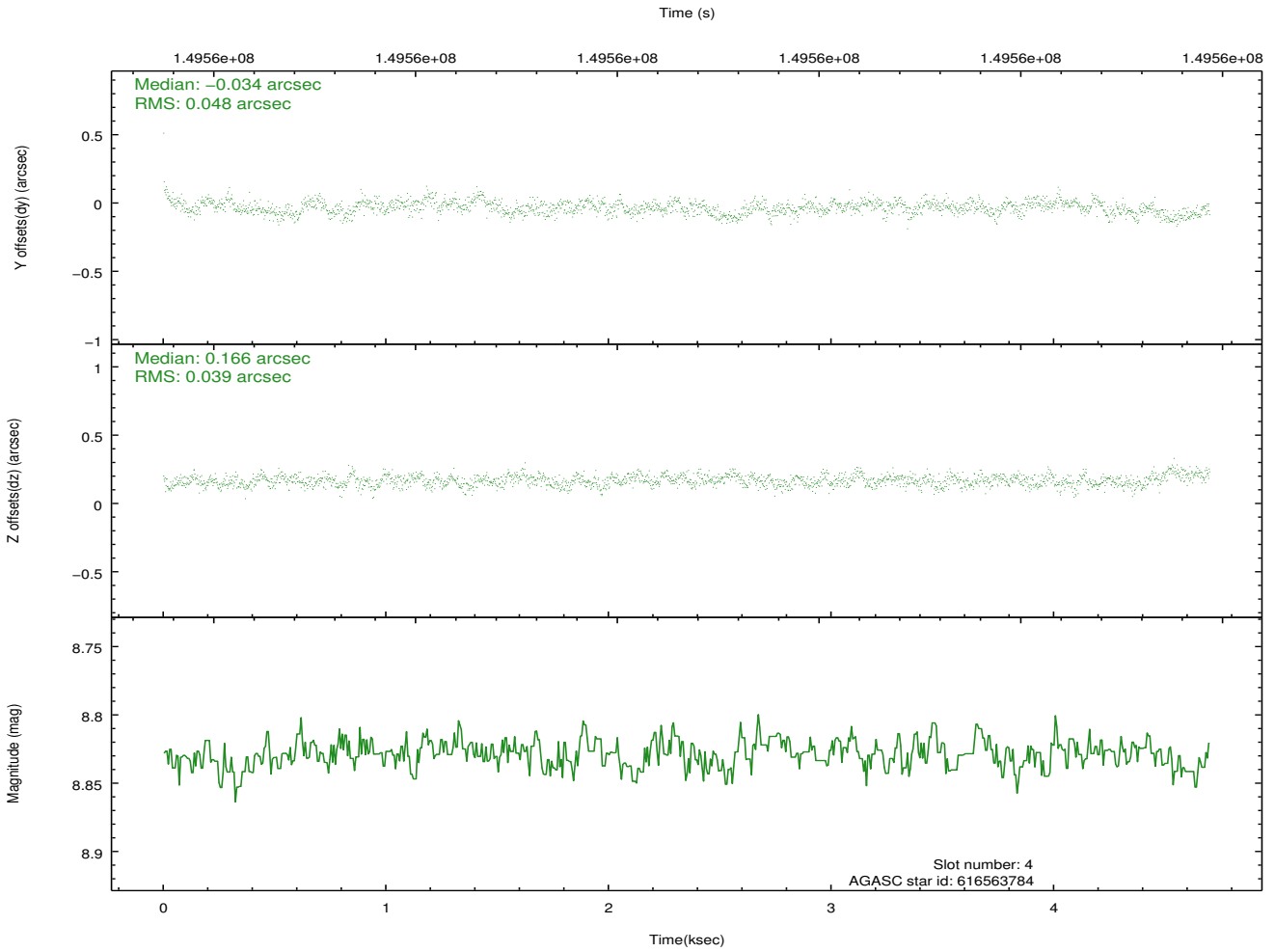
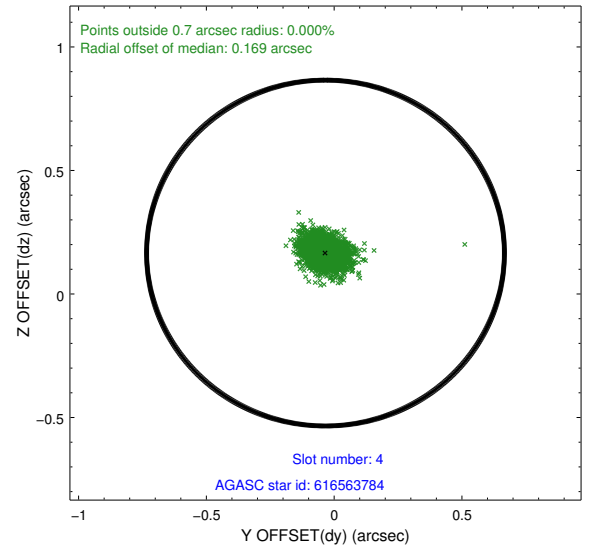
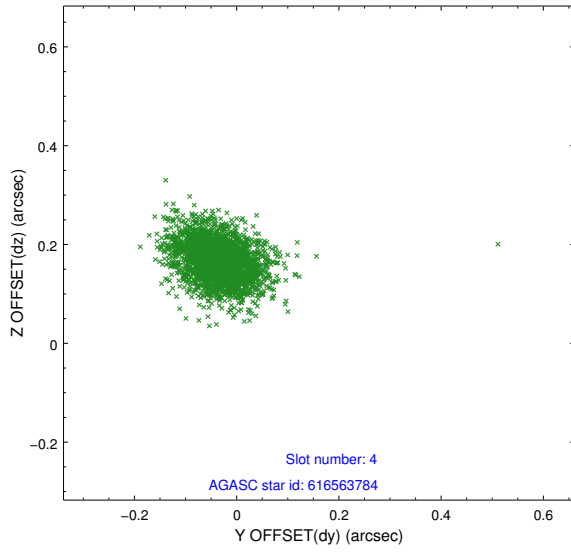
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1147	-0.012	-0.006	0.007	0.011	0.000000	0.000000	-755.63	-1728.32
1	FID	ACIS-S-4	7.20	1147	0.001	0.002	0.006	0.010	0.000000	0.000000	2157.07	178.83
2	FID	ACIS-S-6	7.35	1147	-0.017	0.011	0.007	0.012	0.000000	0.000000	408.03	817.72
3	GUIDE	692339576	8.50	2292	0.086	-0.044	0.068	0.113	37.731204	-7.997834	-1904.83	206.84
4	GUIDE	616563784	8.83	2293	-0.034	0.166	0.064	0.107	38.079280	-7.169362	1290.48	-264.31
5	GUIDE	616563144	9.46	2292	-0.191	-0.080	0.083	0.137	37.796938	-6.897974	1991.10	953.09
6	GUIDE	692333384	9.64	2281	0.100	0.135	0.100	0.163	38.093294	-7.792879	-871.76	-862.89
7	GUIDE	615646768	9.63	2292	0.048	-0.171	0.120	0.194	37.345986	-7.070331	992.07	2361.61

2.4 Star Slots

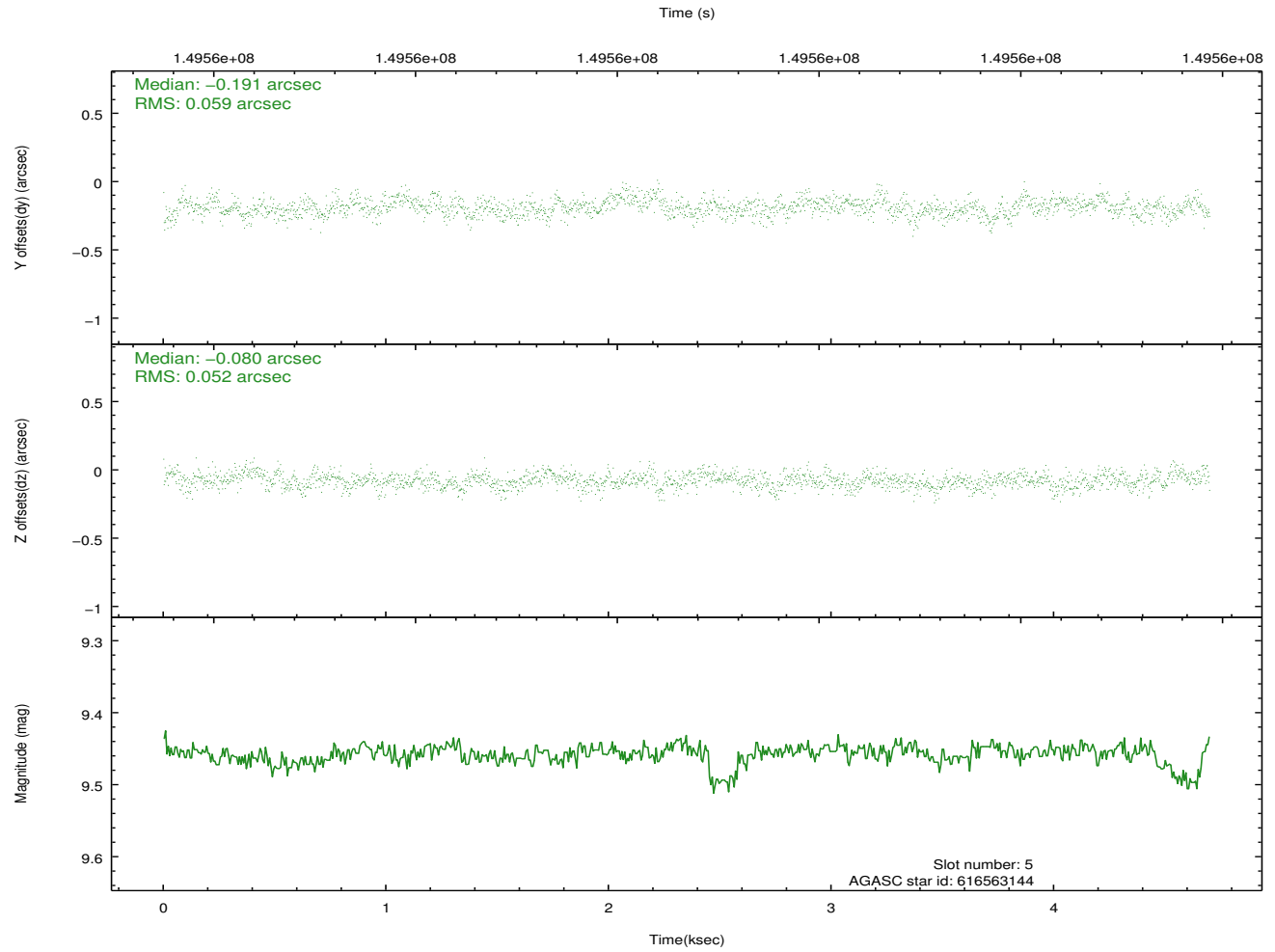
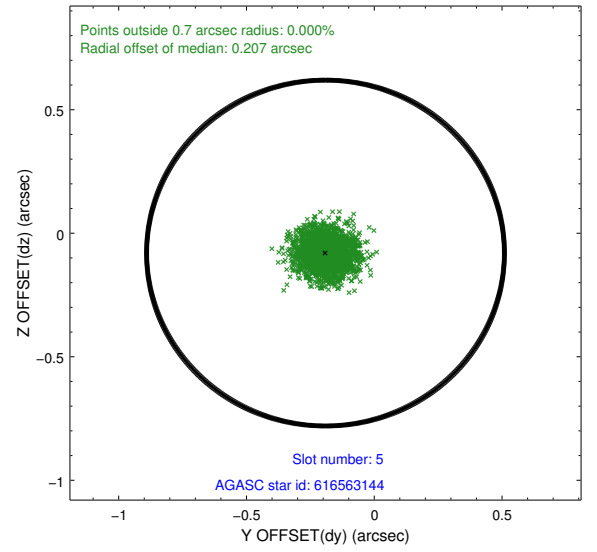
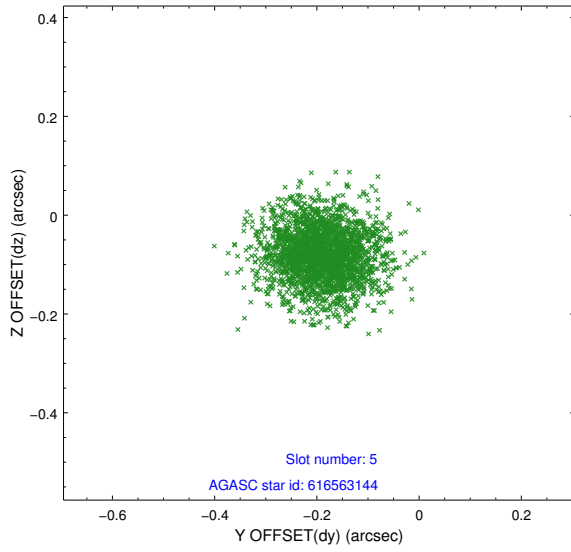
2.4.1 Slot 3



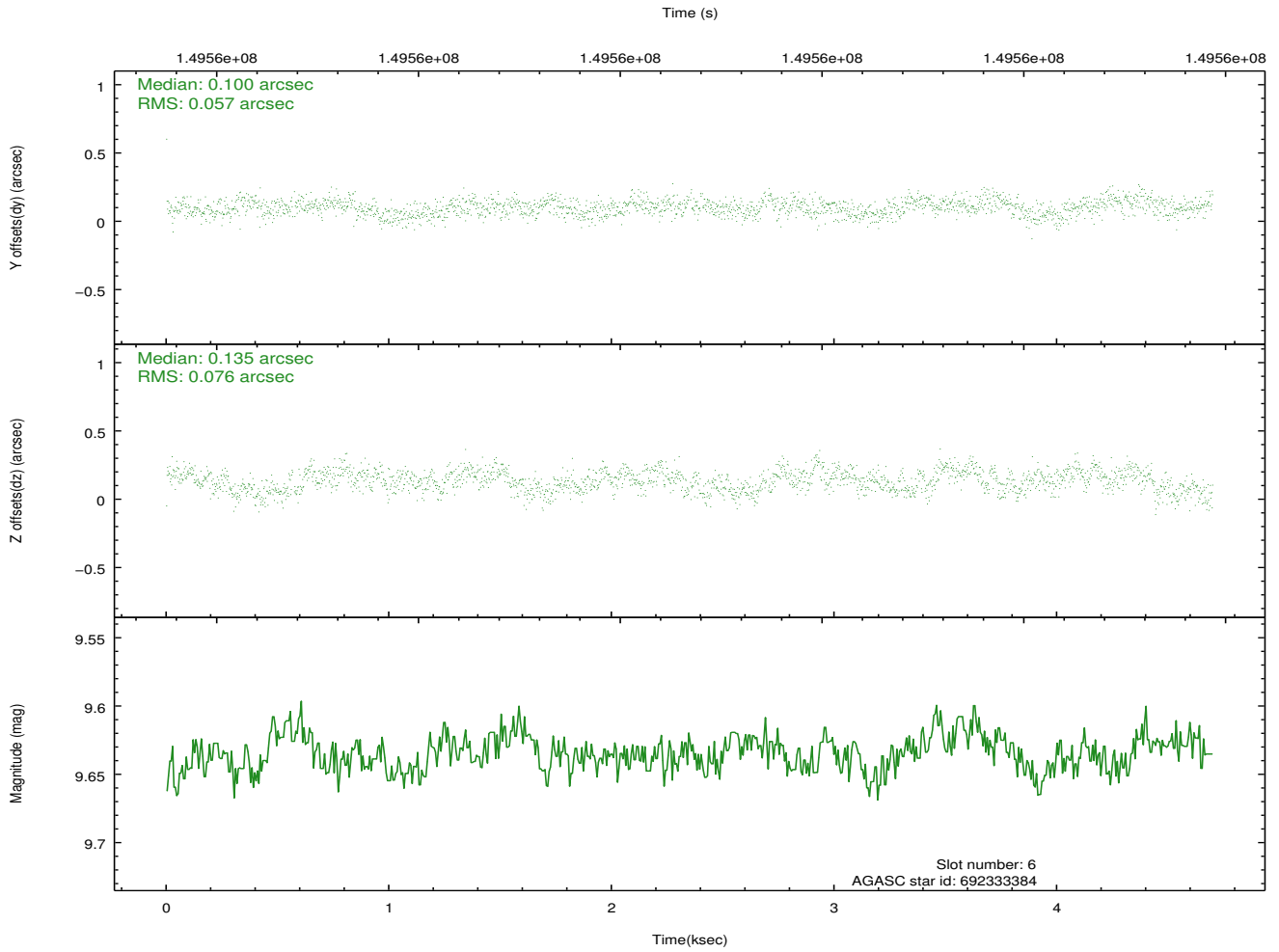
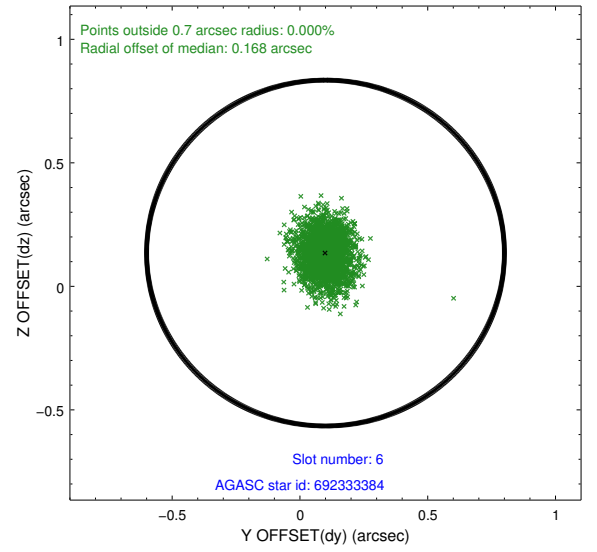
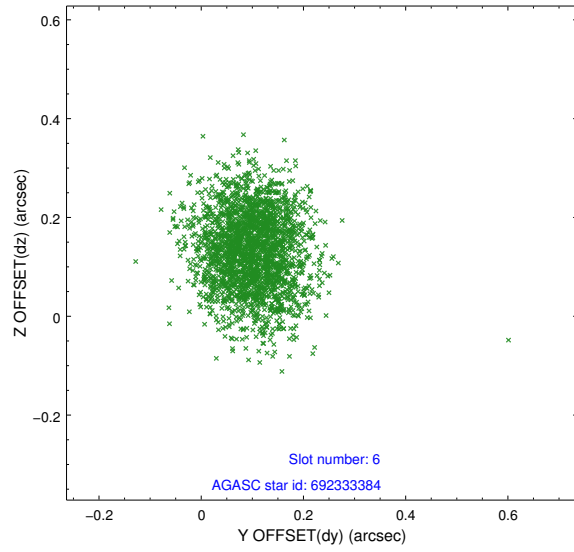
2.4.2 Slot 4



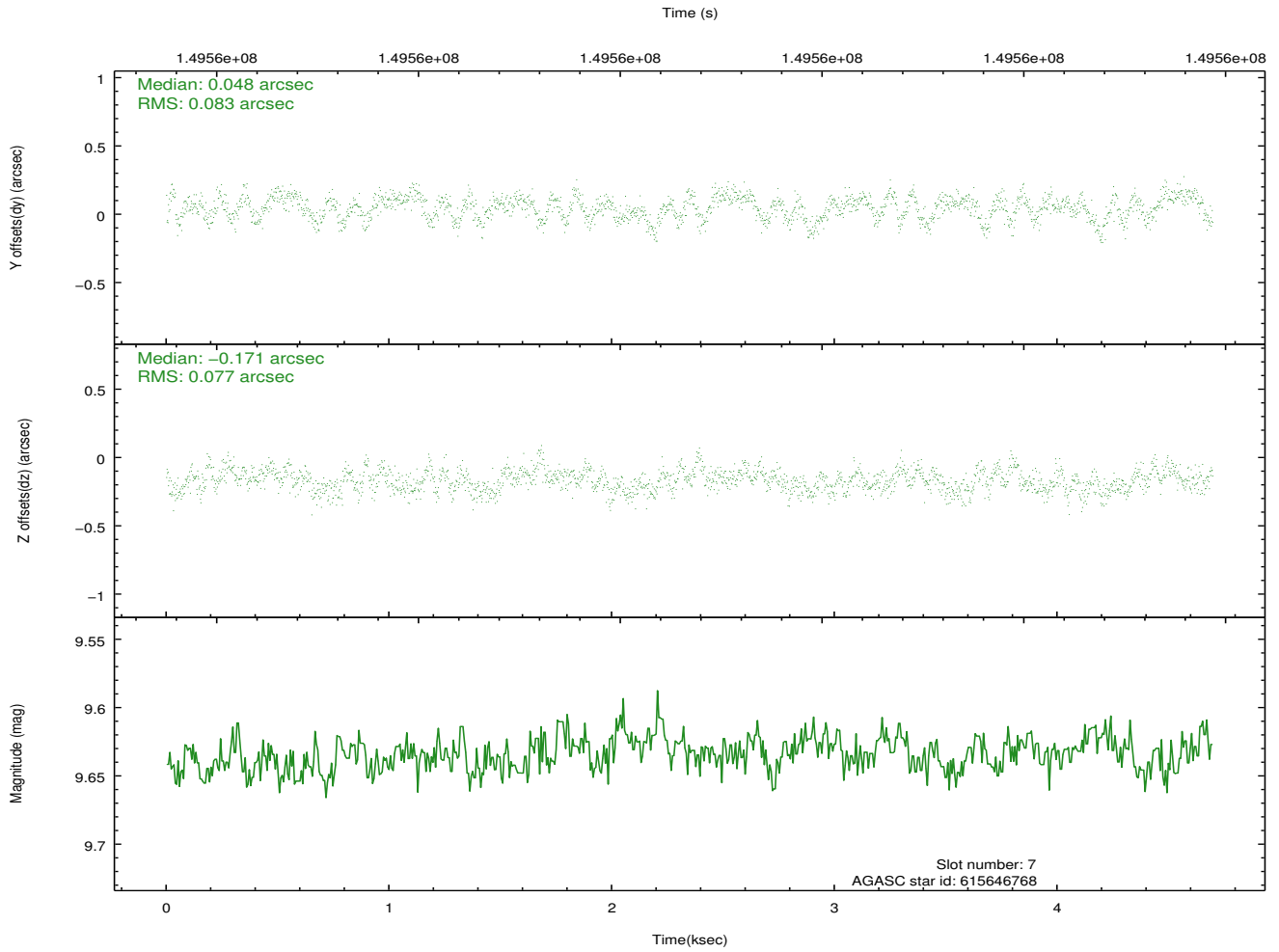
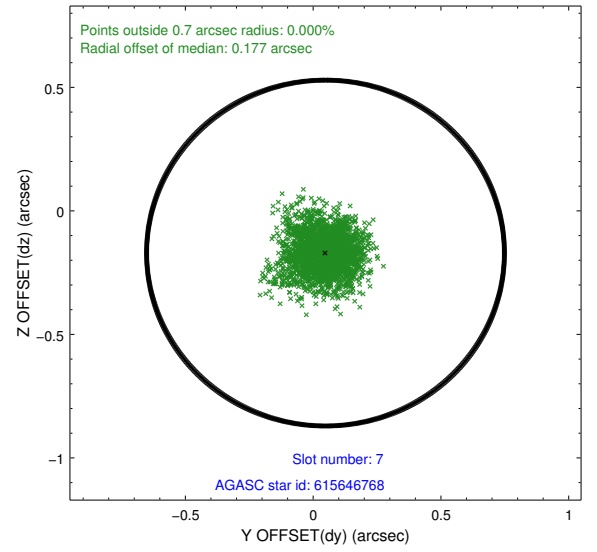
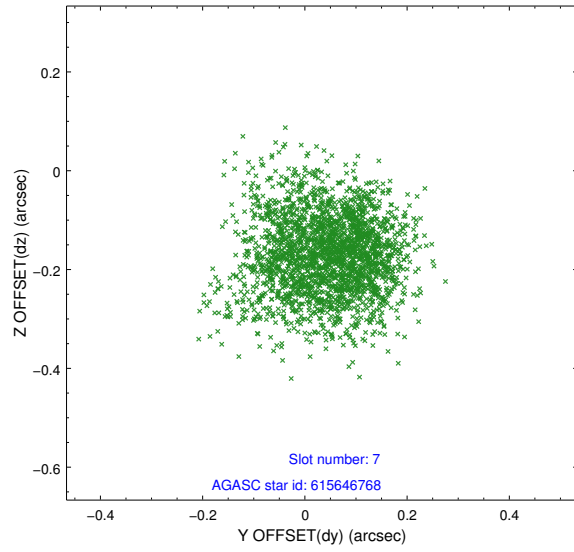
2.4.3 Slot 5



2.4.4 Slot 6

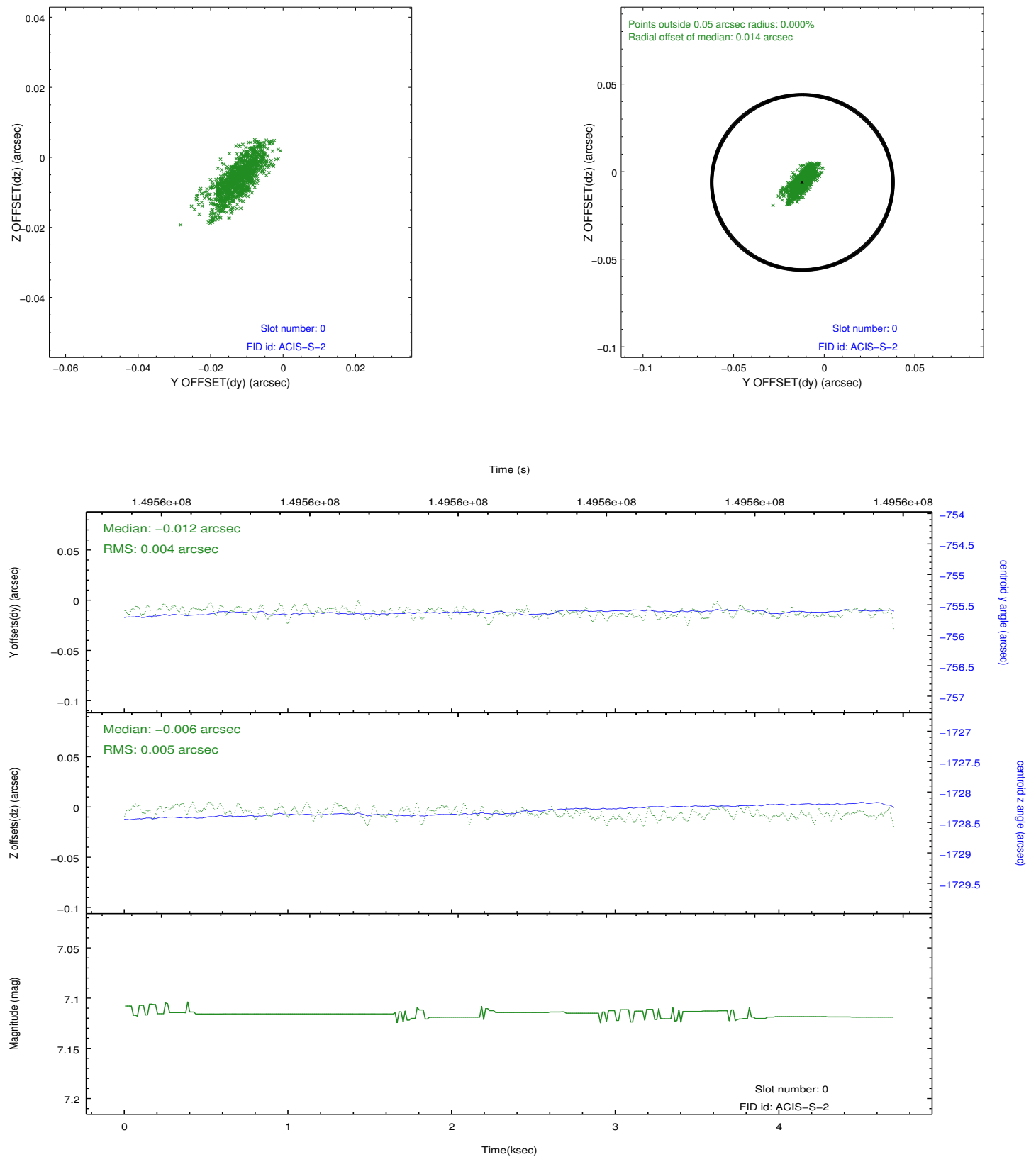


2.4.5 Slot 7

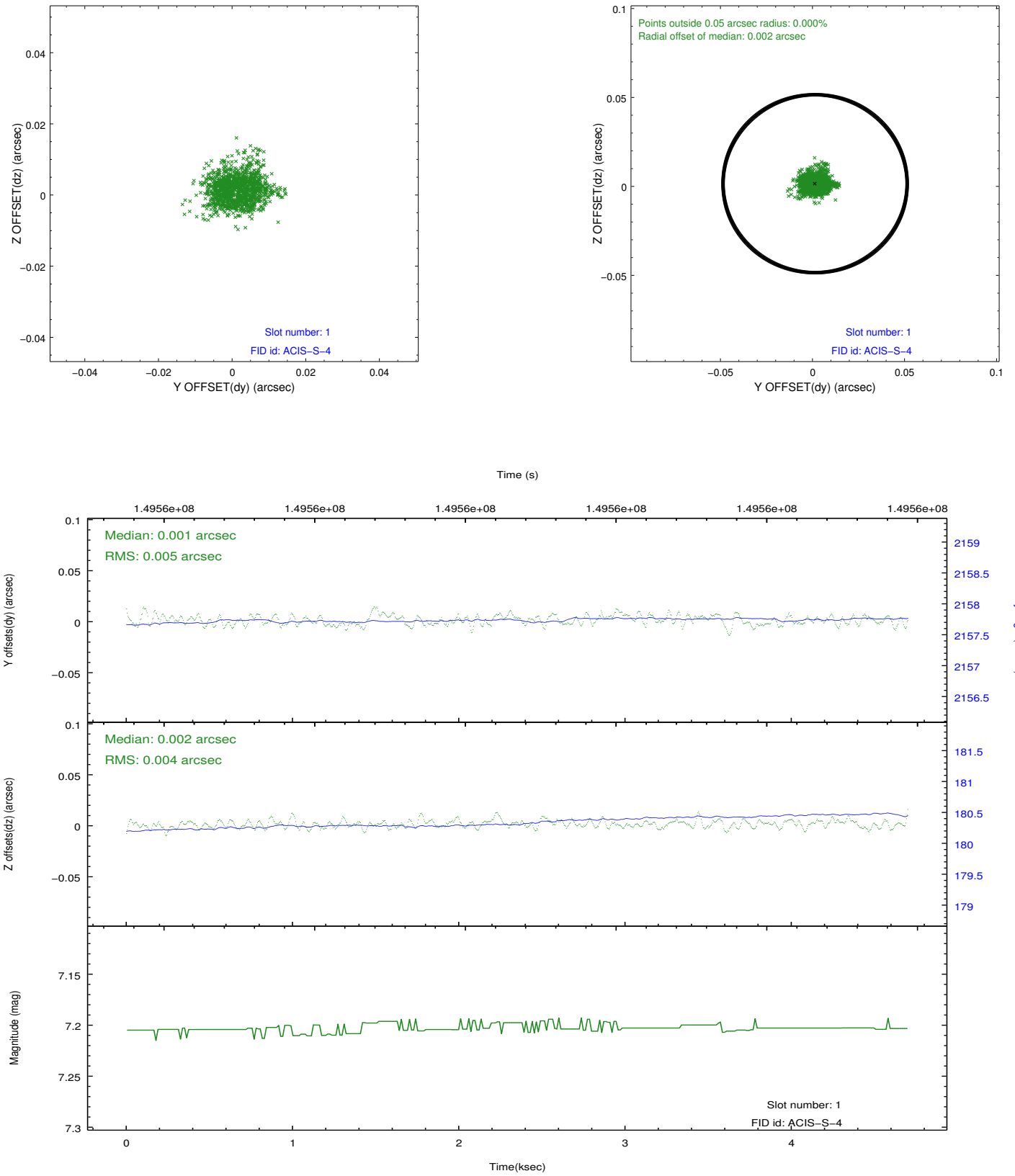


2.5 FID Slots

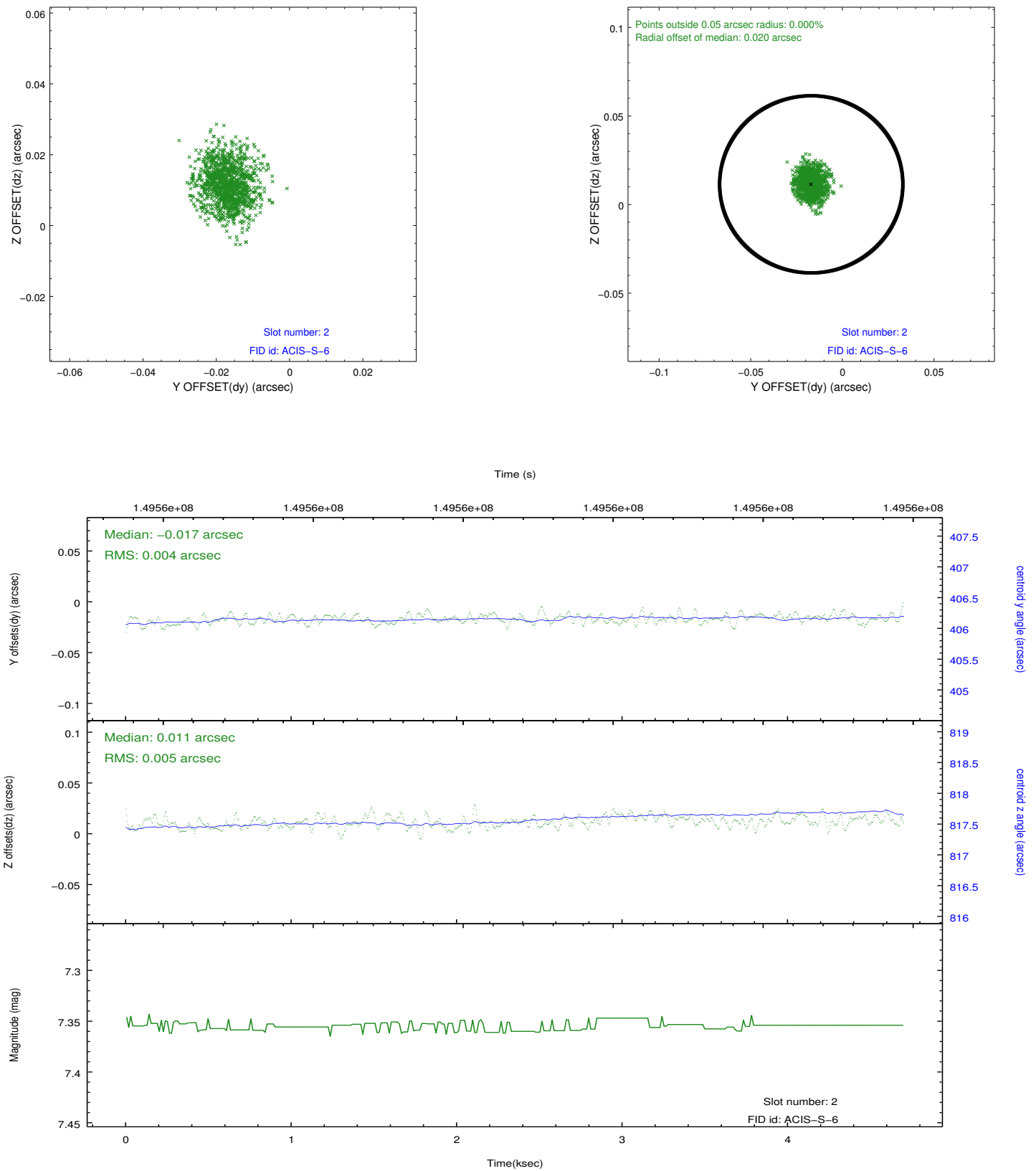
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.255

A.2 Comments