

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3038 - L2 Version 3
Chandra X-Ray Center

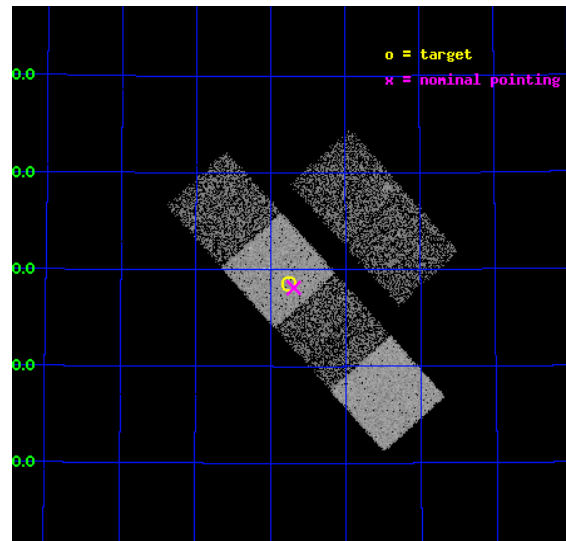
L2 Processing Date : Oct 11 2012

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1 Front

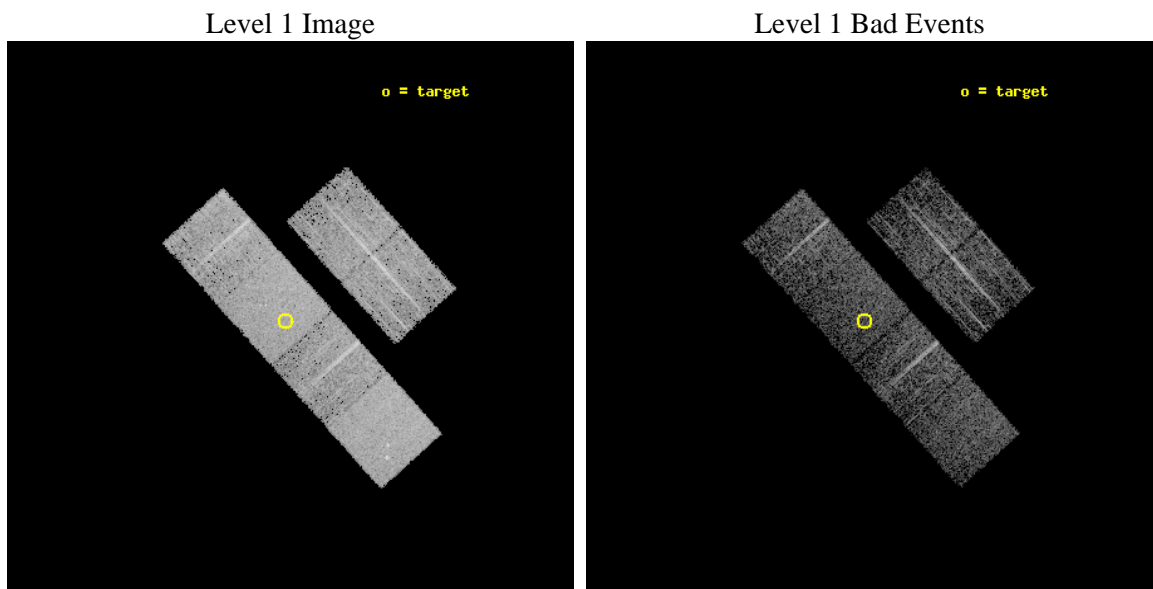
seq_num	700477	Sequence number
obs_id	3038	Observation id
title	A CHANDRA AND XMM-NEWTON STUDY OF THE MOST DISTANT QUASARS: X-RAYING THE FIRST MASSIVE BLACK HOLES	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS173744+582829	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.437083	Observer's specified target RA [deg]
dec_targ	58.474861	Observer's specified target Dec [deg]
ra_nom	264.422233257	Nominal RA [deg]
dec_nom	58.46888722528	Nominal Dec [deg]
roll_nom	227.97672710132	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4675.1999825835	Sum of GTIs [s]
livetime	4615.9997853366	Livetime [s]
ontime2	4675.1999825835	Sum of GTIs [s]
ontime3	4675.1999825835	Sum of GTIs [s]
ontime5	4675.1999825835	Sum of GTIs [s]
ontime6	4675.1999825835	Sum of GTIs [s]
ontime7	4675.1999825835	Sum of GTIs [s]
ontime8	4675.1999825835	Sum of GTIs [s]
l2events	44450	Number of level 2 events



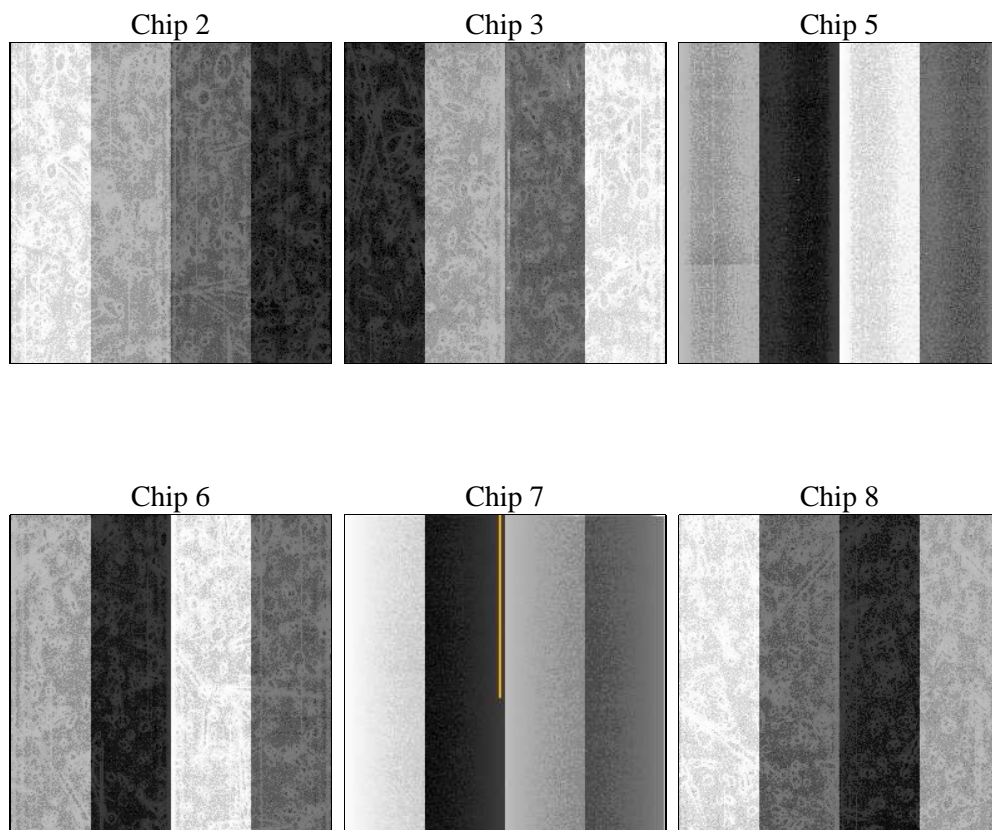
2 OBI

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	4675.1999825835	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4675.1999825835	Sum of GTIs [s]
date	2012-10-11T21:19:52	Date and time of file creation	ontime3	4675.1999825835	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4675.1999825835	Sum of GTIs [s]
			ontime6	4675.1999825835	Sum of GTIs [s]
			ontime7	4675.1999825835	Sum of GTIs [s]
			ontime8	4675.1999825835	Sum of GTIs [s]
			l1events	255031	Number of level 1 events

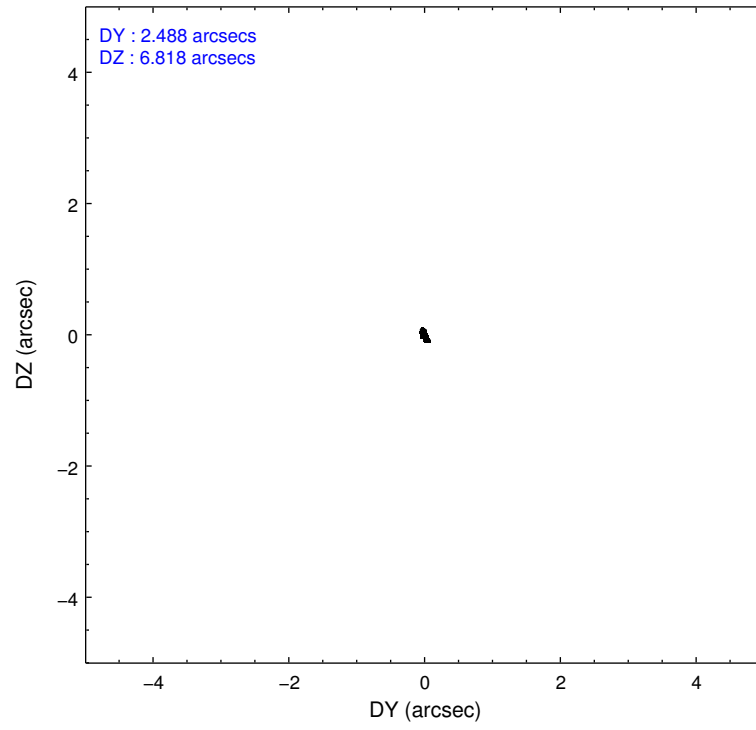
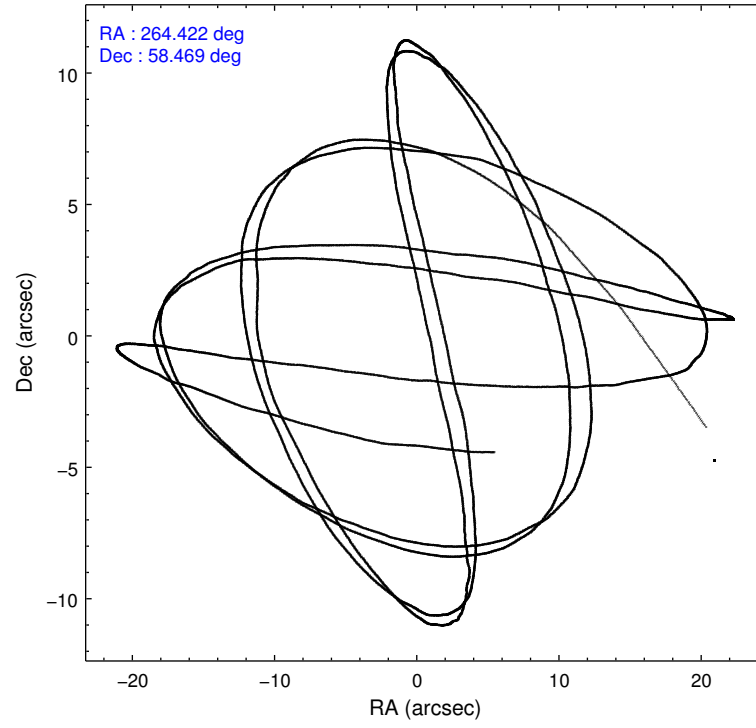
2.1.4 Events

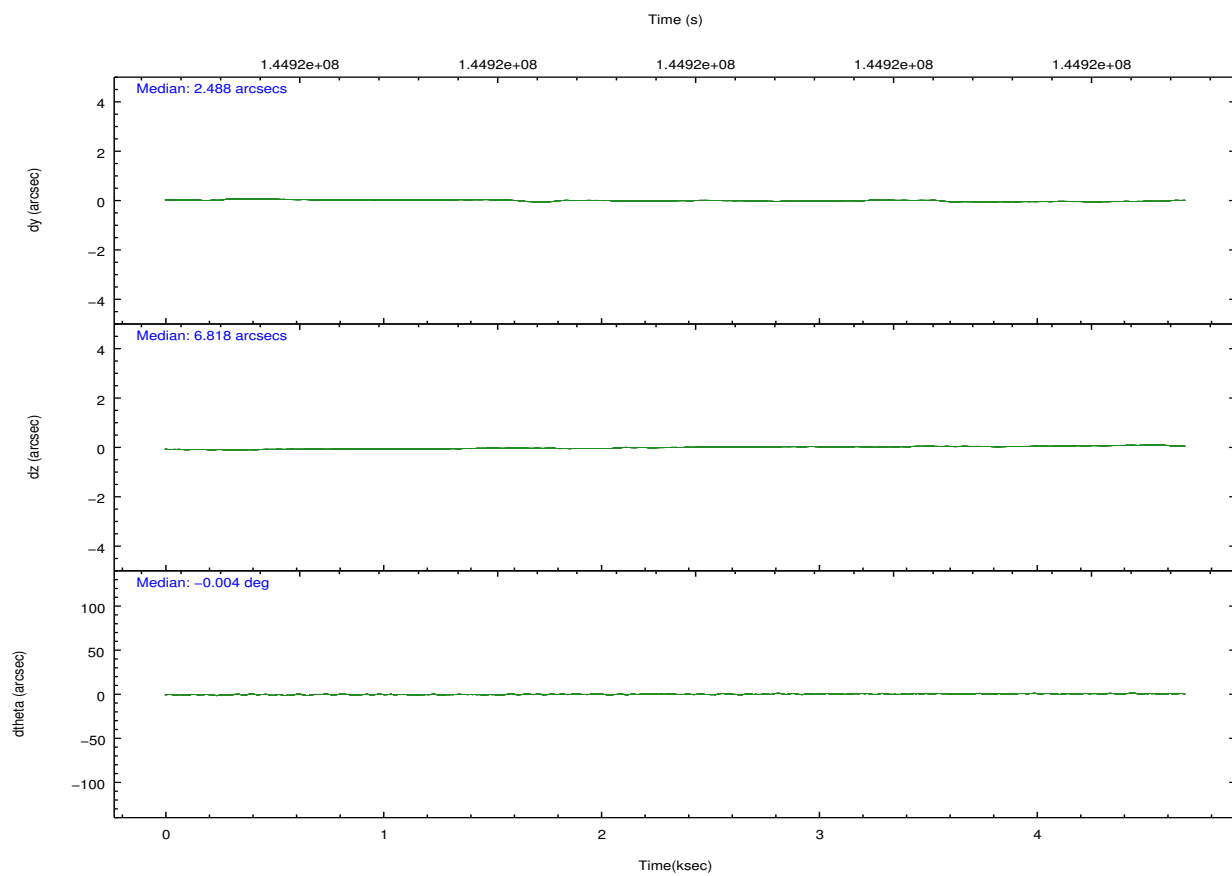
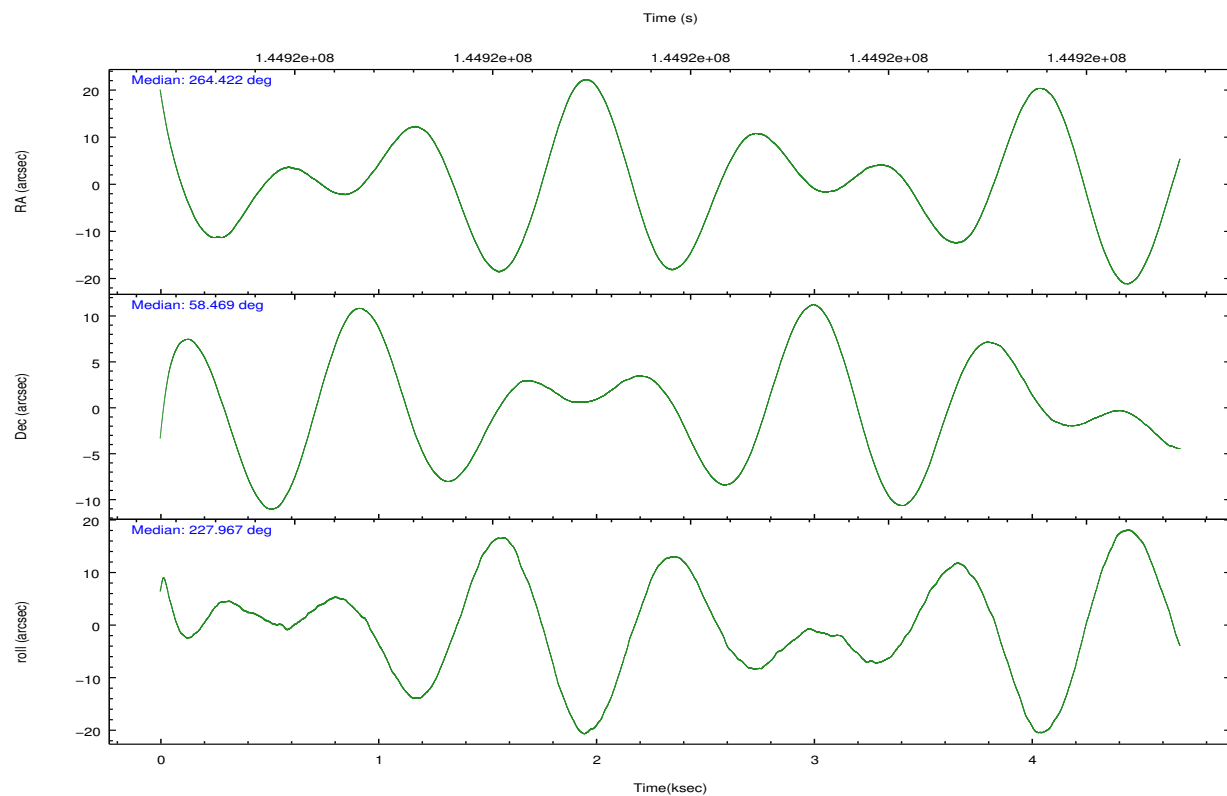
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	37322	35583	52319	36758	48028	45021	grade 0 events	2141	2047	2453	1924	1974	3631
rejected events	33770	32180	34572	33279	32762	37307		5%	5%	4%	5%	4%	8%
rejected %	90%	90%	66%	90%	68%	82%	grade 1 events	16	20	122	15	36	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	935	878	6901	1001	4068	2142
								2%	2%	13%	2%	8%	4%
							grade 3 events	431	425	1004	434	1872	1176
								1%	1%	1%	1%	3%	2%
							grade 4 events	398	448	968	436	1811	1115
								1%	1%	1%	1%	3%	2%
							grade 5 events	1332	1505	3993	1610	4536	2058
								3%	4%	7%	4%	9%	4%
							grade 6 events	827	778	12490	932	10615	2464
								2%	2%	23%	2%	22%	5%
							grade 7 events	31242	29482	24388	30406	23116	32401
								83%	82%	46%	82%	48%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.432660	264.4222332570032	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.495622	58.46888722528016	Alternating exposures requested	N	N
[deg] Pointing Roll	227.811146	227.9767271013193	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	144916737.184000	144914877.34661			
Observation start date	2002-08-05T06:37:53	2002-08-05T06:07:57			
[s] Observation end time (MET)	144921237.184000	144921589.55939			
Observation end date	2002-08-05T07:52:53	2002-08-05T07:59:49			
Read mode	TIMED	TIMED			

2.3 Aspect



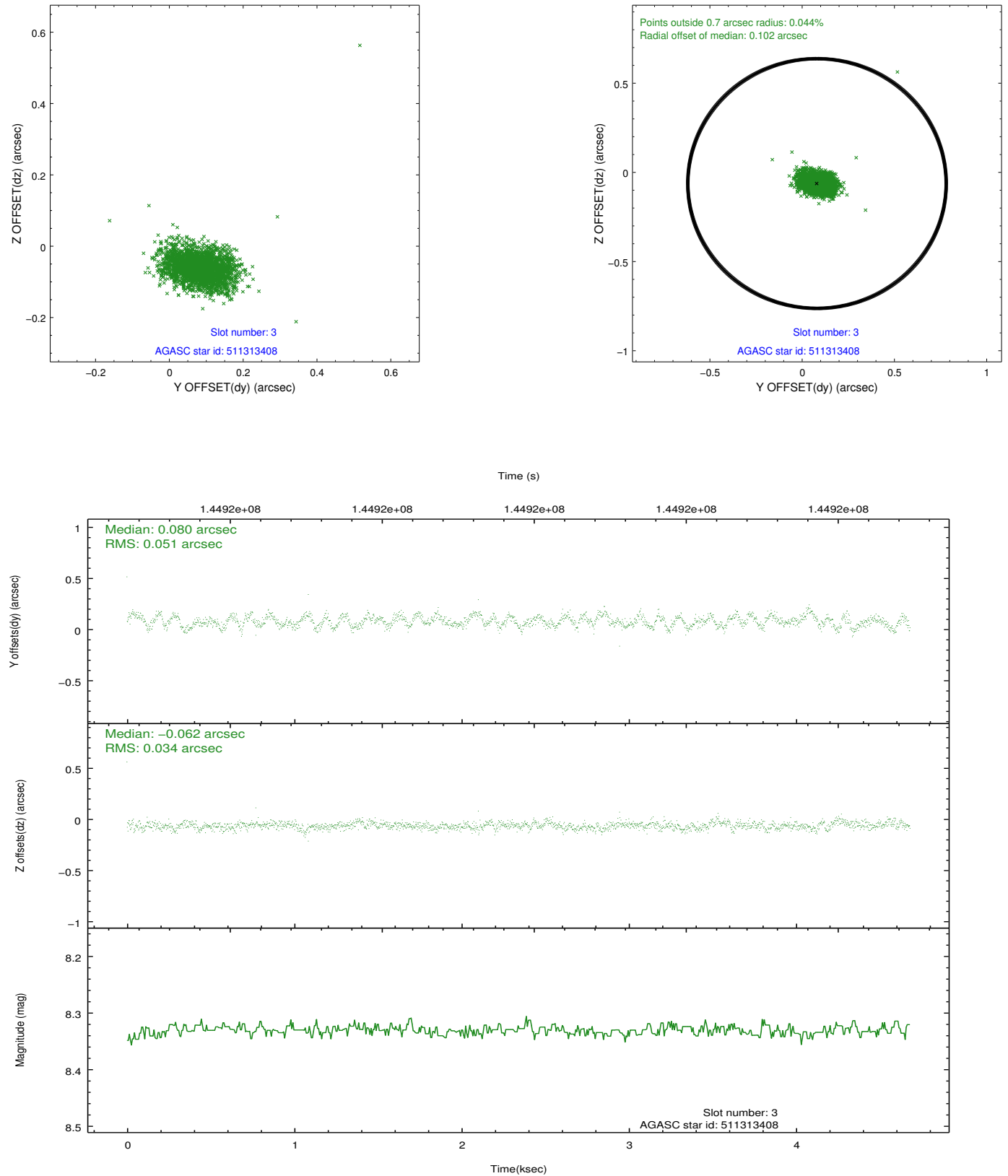


Slot Statistics

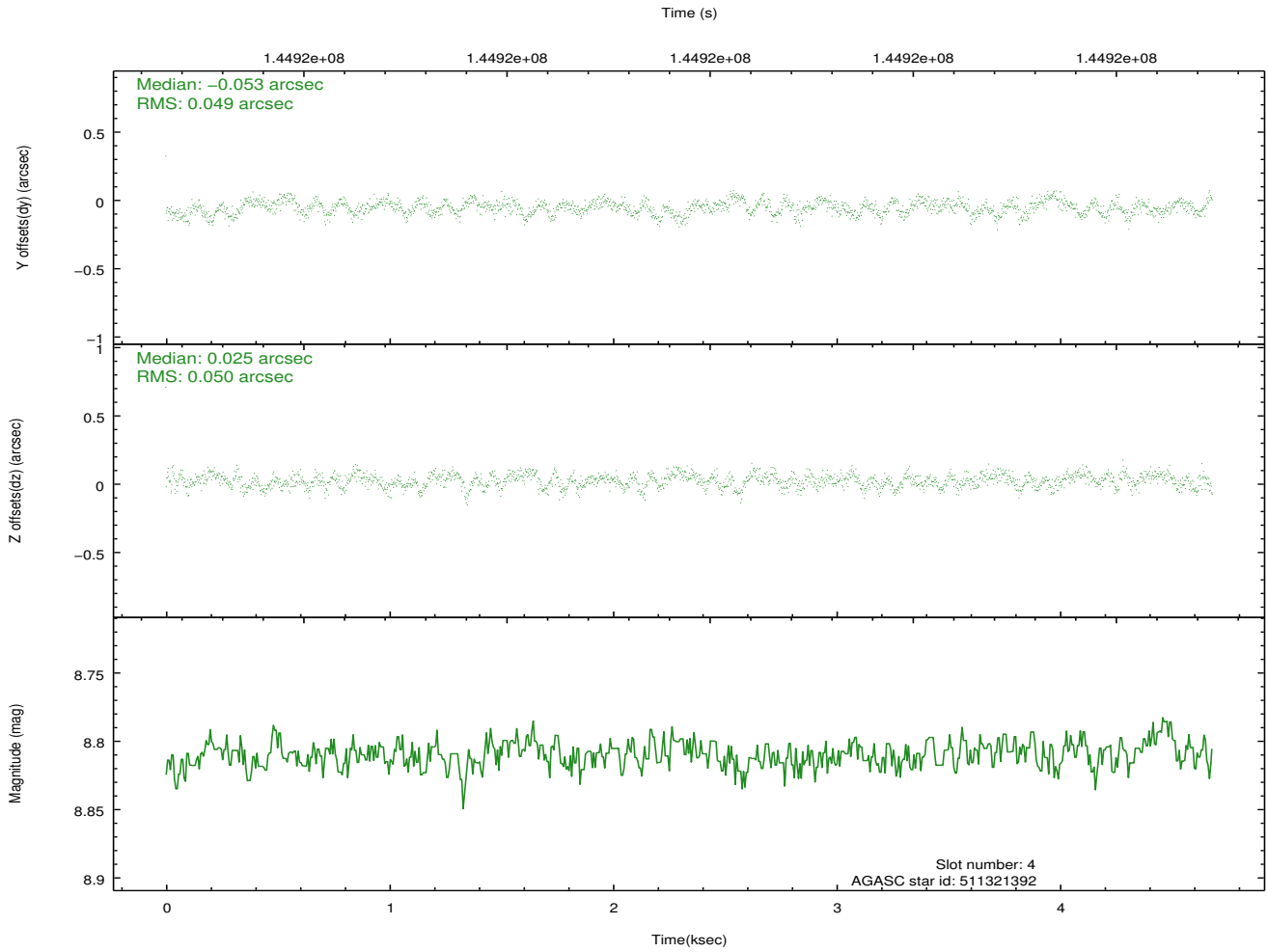
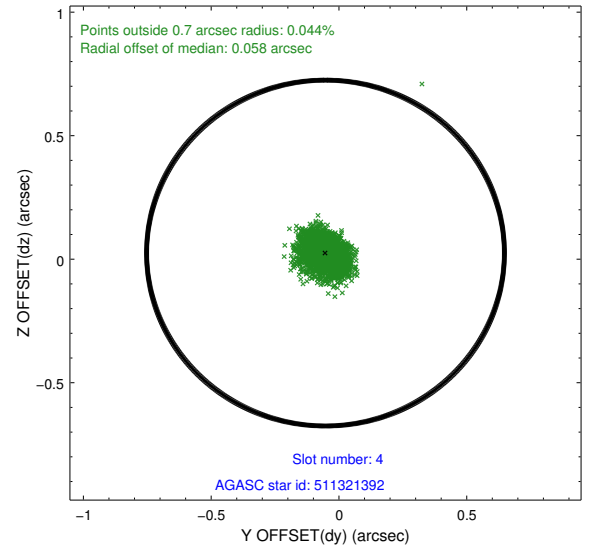
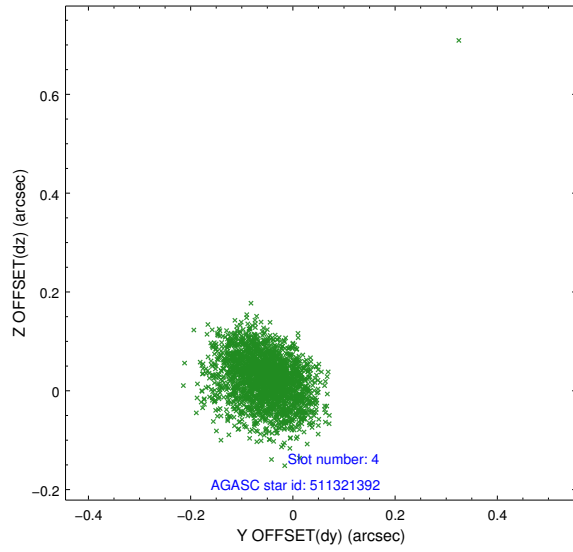
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1142	-0.026	0.011	0.006	0.010	0.000000	0.000000	-755.13	-1727.96
1	FID	ACIS-S-4	7.20	1142	-0.025	0.010	0.006	0.010	0.000000	0.000000	2157.55	179.19
2	FID	ACIS-S-5	7.24	1142	0.020	-0.012	0.006	0.010	0.000000	0.000000	-1806.25	174.30
3	GUIDE	511313408	8.33	2284	0.080	-0.062	0.063	0.103	265.715436	58.685119	-2134.16	1305.84
4	GUIDE	511321392	8.81	2285	-0.053	0.025	0.073	0.115	265.016349	58.167353	126.65	1613.39
5	GUIDE	511319096	9.15	2285	0.062	0.043	0.078	0.122	264.423108	59.135941	-1695.59	-1559.56
6	GUIDE	511314128	9.32	2285	-0.004	-0.014	0.092	0.149	263.451193	58.779394	462.88	-2051.37
7	GUIDE	511189344	9.51	2283	-0.083	0.006	0.086	0.143	263.131545	58.437038	1785.76	-1690.23

2.4 Star Slots

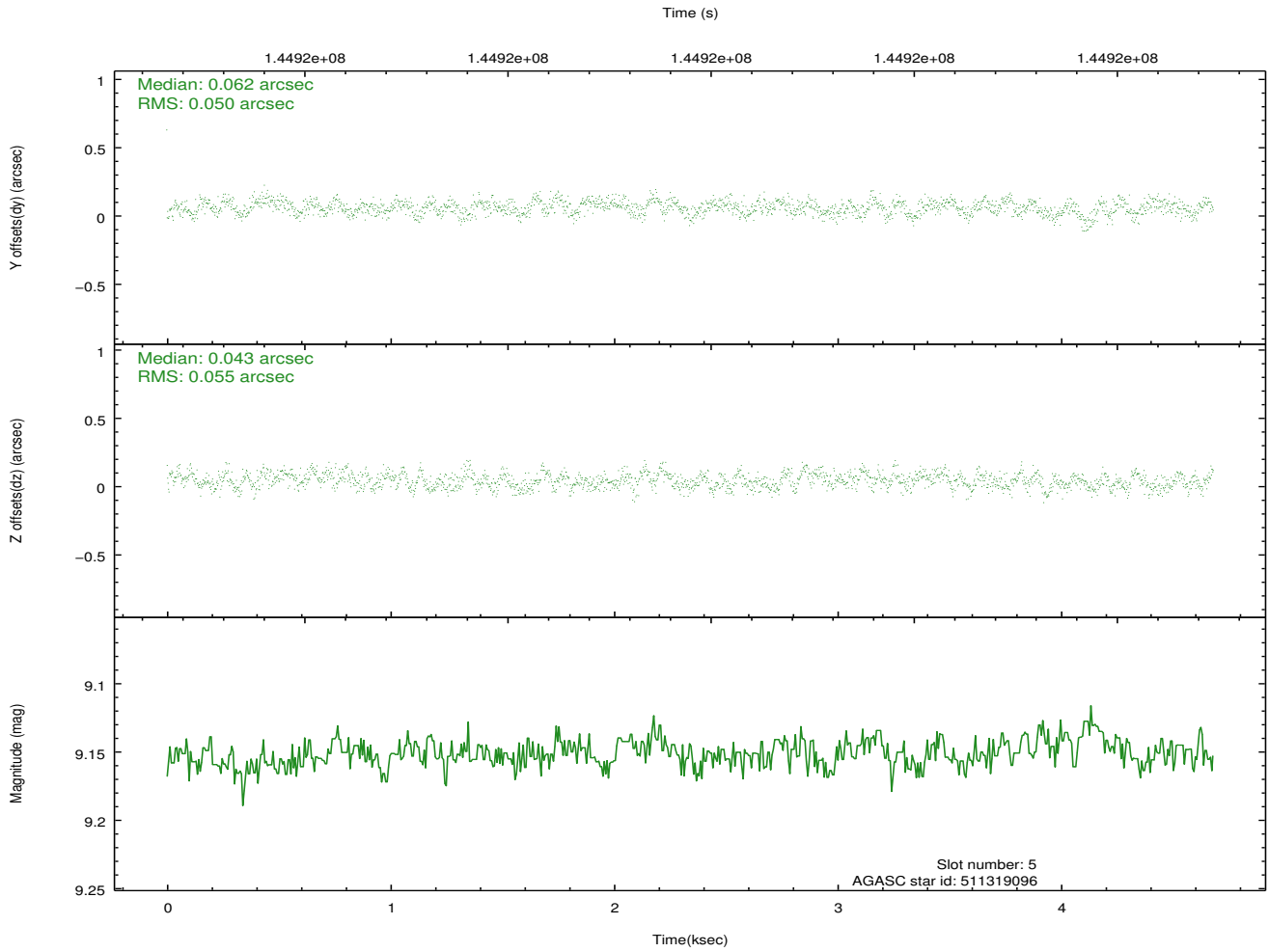
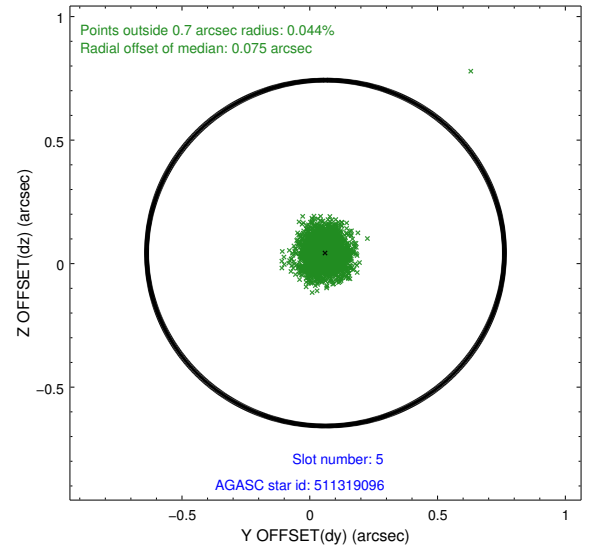
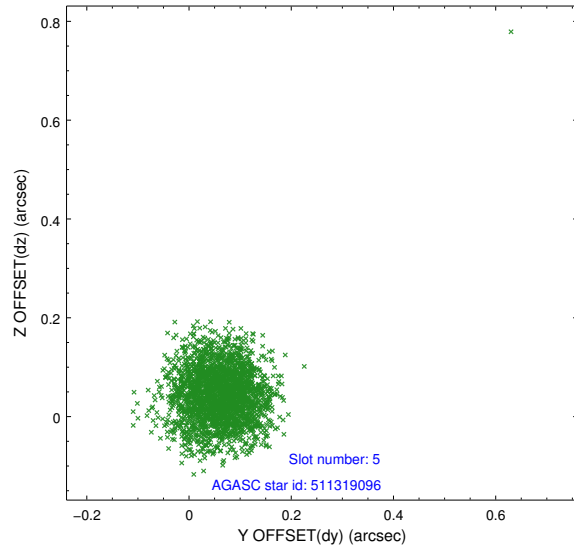
2.4.1 Slot 3



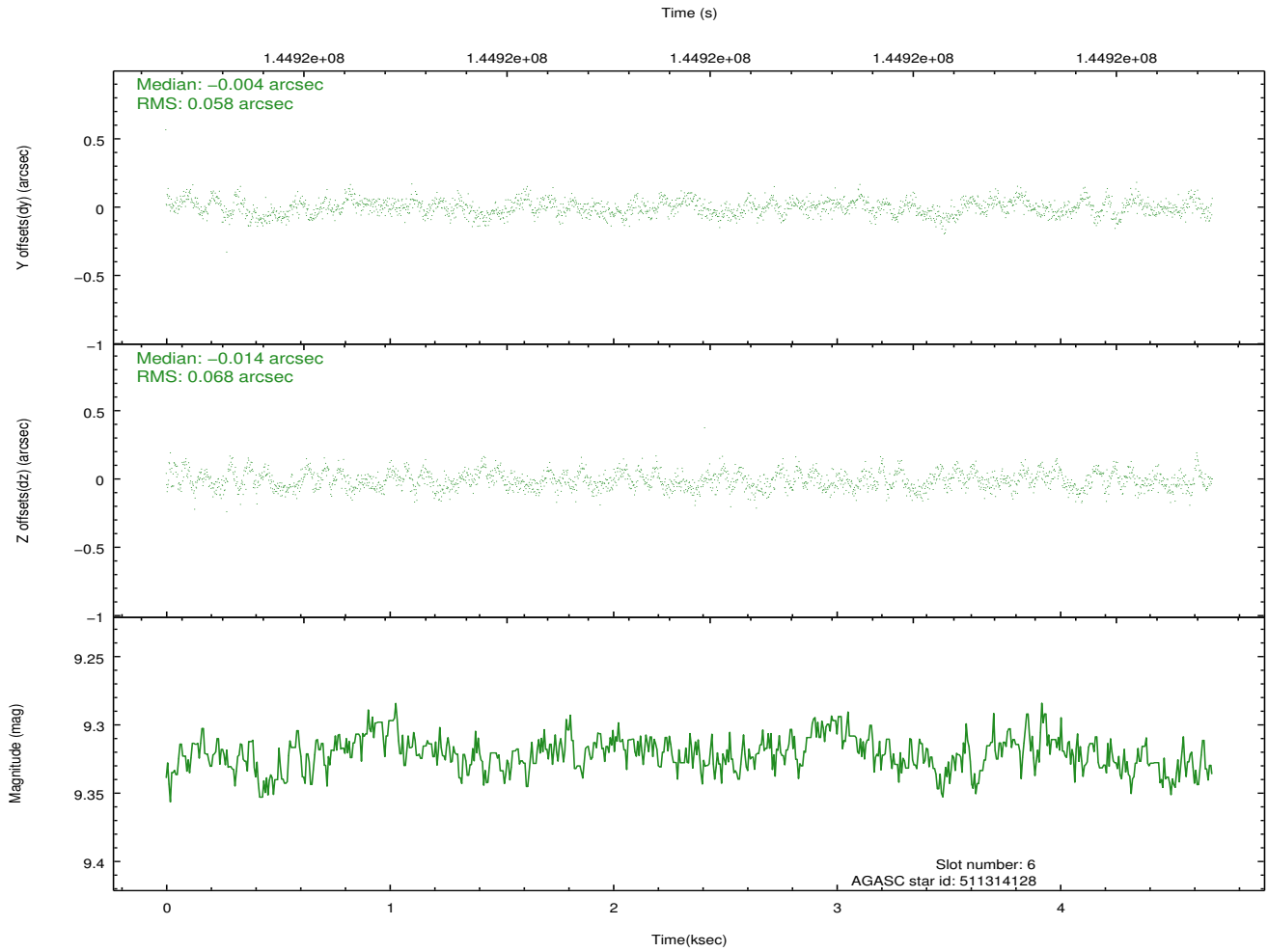
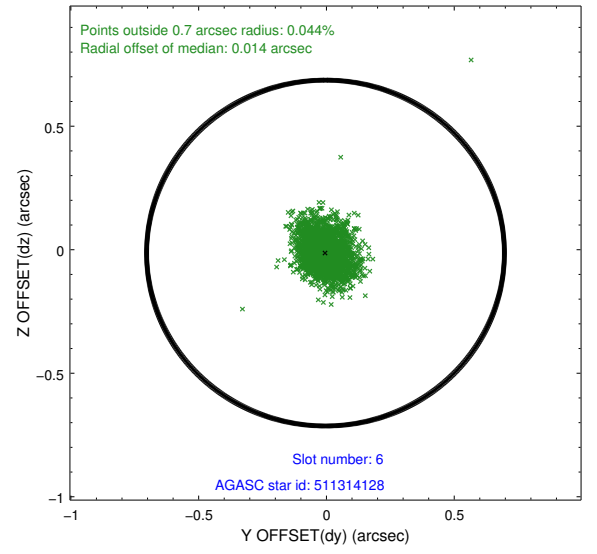
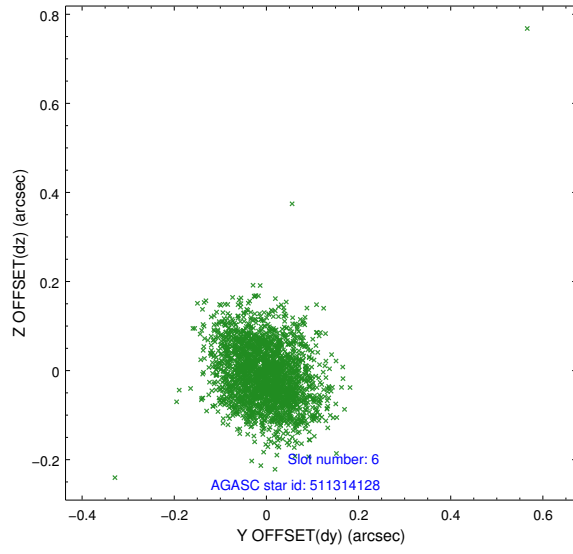
2.4.2 Slot 4



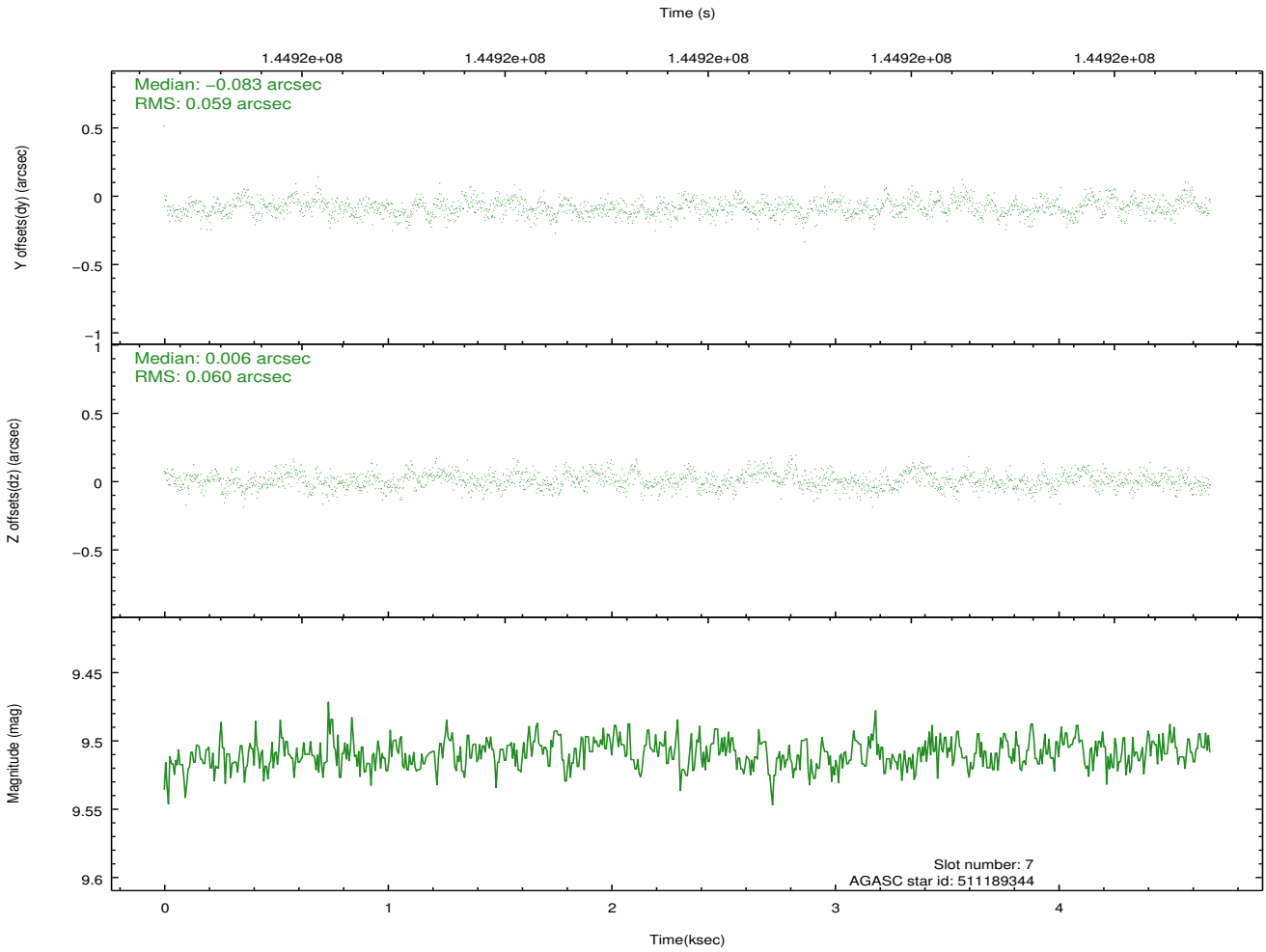
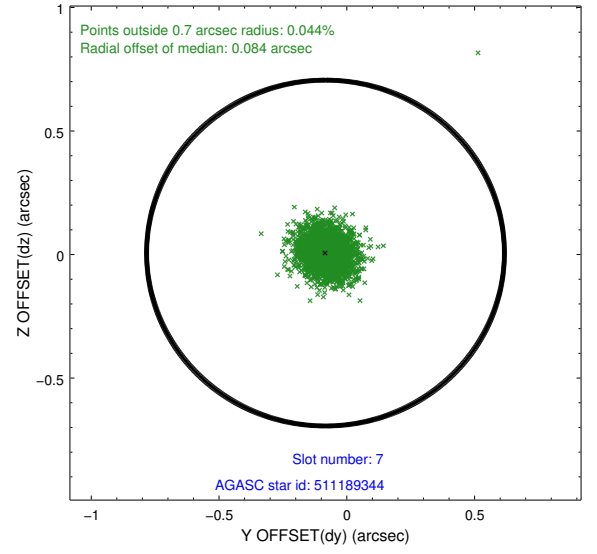
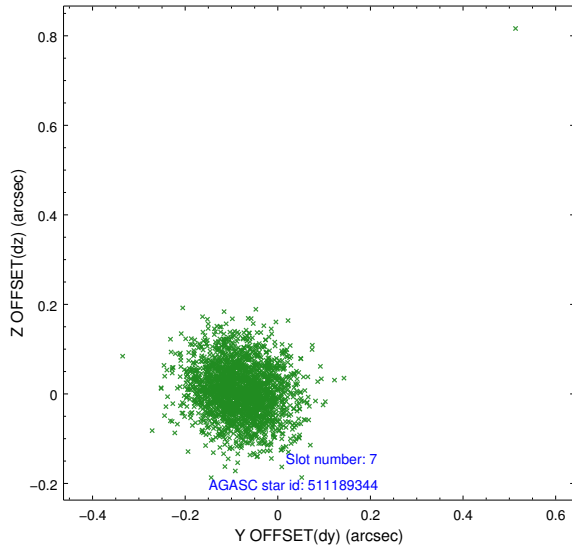
2.4.3 Slot 5



2.4.4 Slot 6

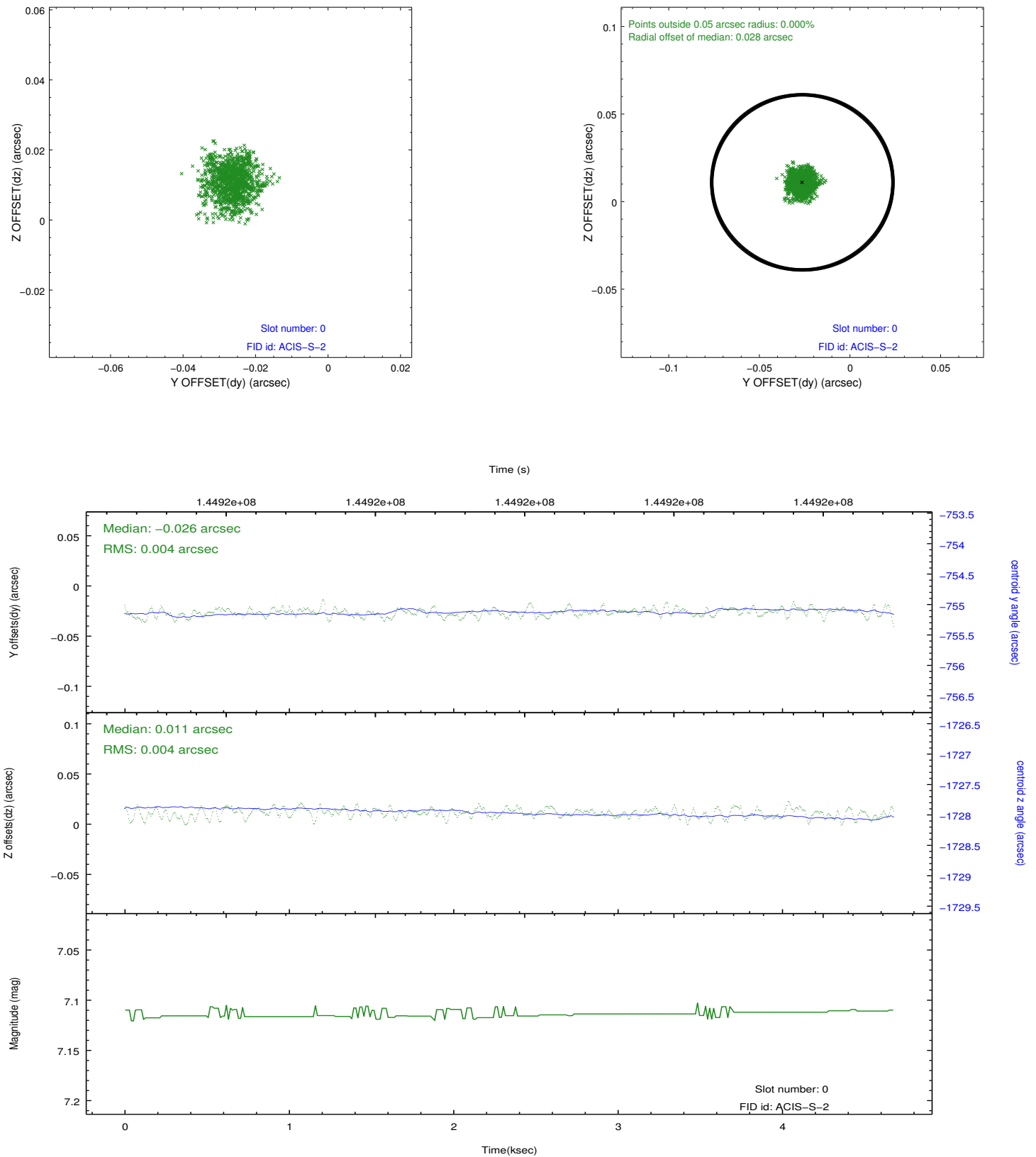


2.4.5 Slot 7

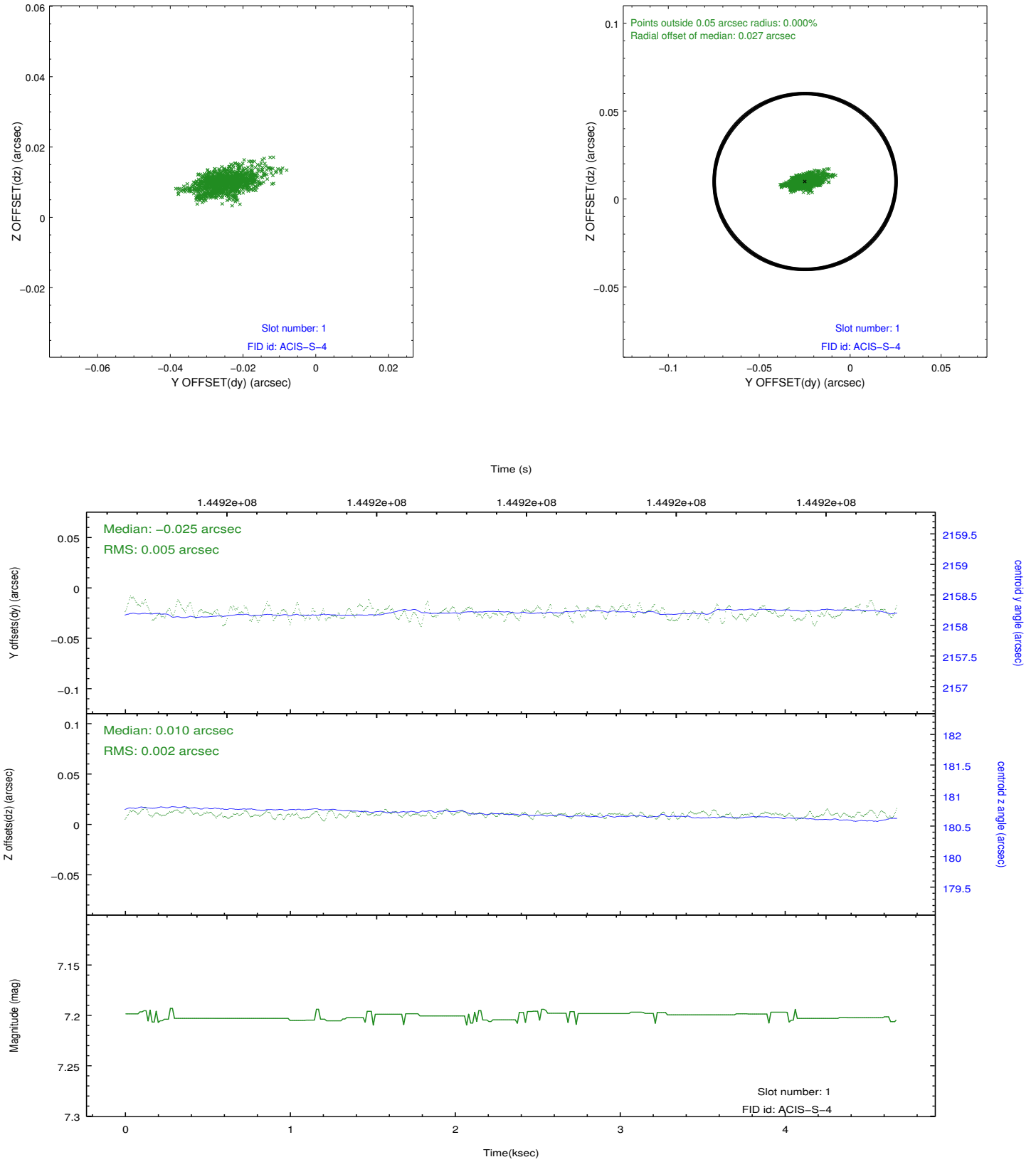


2.5 FID Slots

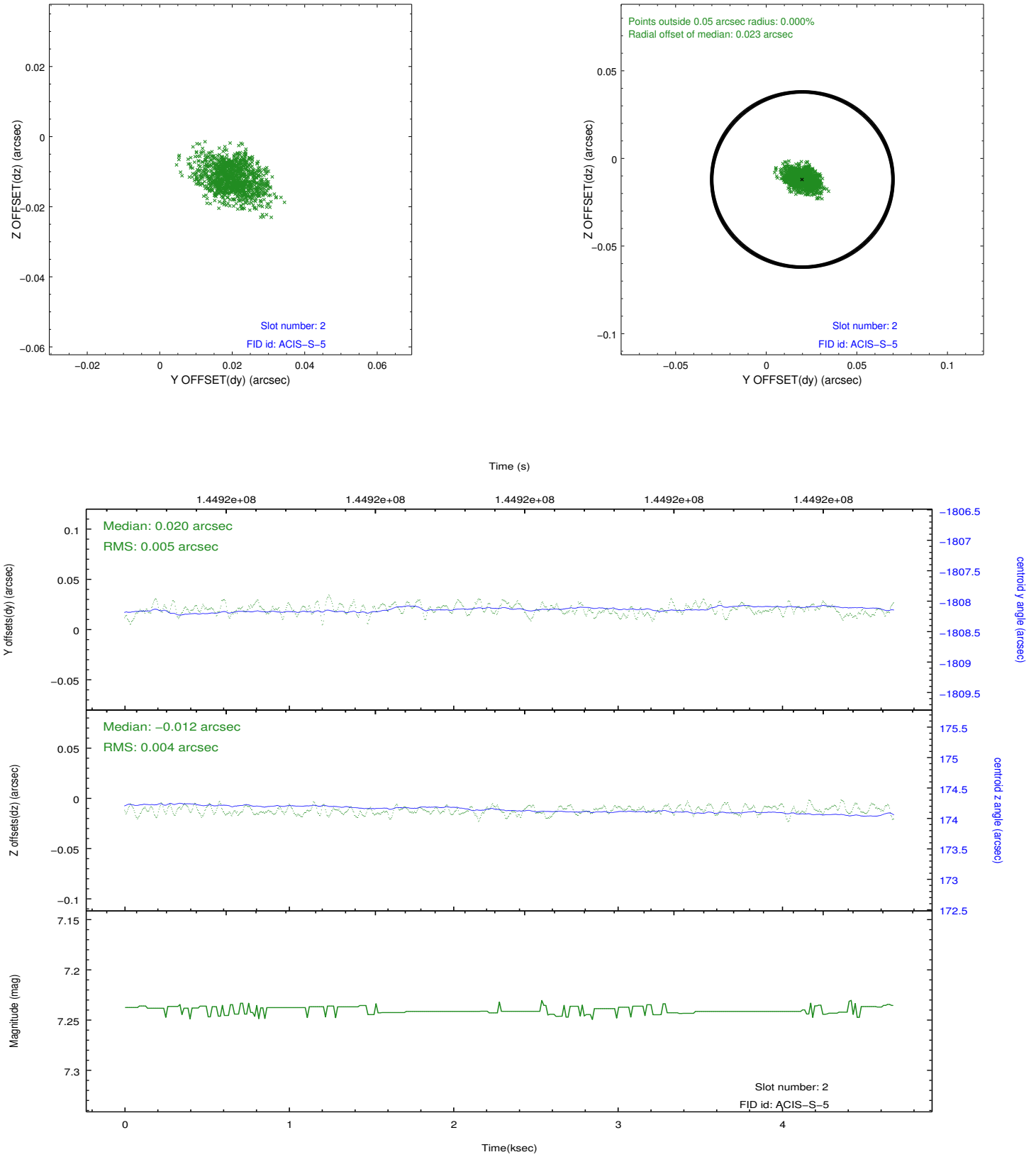
2.5.1 Slot 0



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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.675

A.2 Comments