

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1846 - L2 Version 4
Chandra X-Ray Center

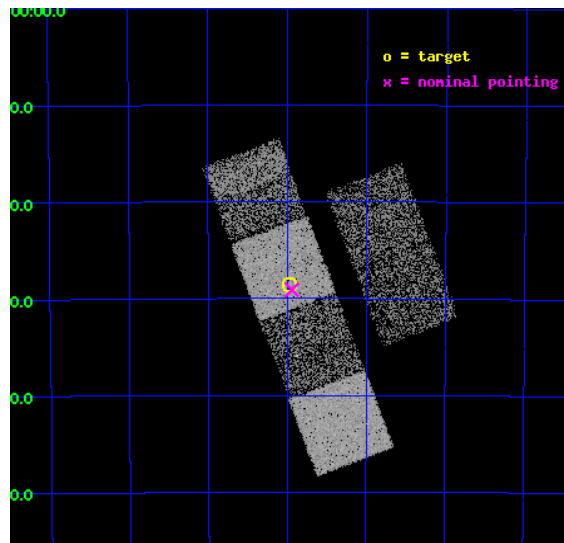
L2 Processing Date : Sep 1 2012

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1 Front

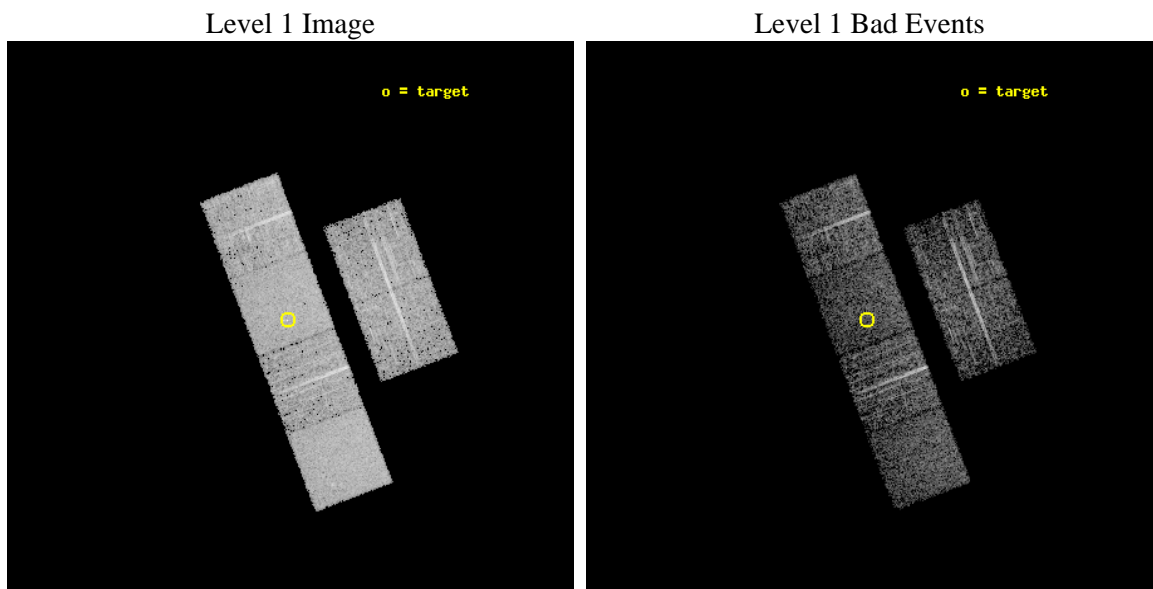
seq_num	400112	Sequence number
obs_id	1846	Observation id
title	OBSERVATIONS OF A BLACK HOLE CANDIDATE X-RAY TRANSIENT DURING OUTBURST DECAY	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	XTE J1550-564	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	237.745	Observer's specified target RA [deg]
dec_targ	-56.476389	Observer's specified target Dec [deg]
ra_nom	237.73586112976	Nominal RA [deg]
dec_nom	-56.484863623832	Nominal Dec [deg]
roll_nom	249.28621133596	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4627.2000042945	Sum of GTIs [s]
livetime	4568.6076116748	Livetime [s]
ontime2	4627.2000042945	Sum of GTIs [s]
ontime3	4627.2000042945	Sum of GTIs [s]
ontime5	4627.2000042945	Sum of GTIs [s]
ontime6	4627.2000042945	Sum of GTIs [s]
ontime7	4627.2000042945	Sum of GTIs [s]
ontime8	4627.2000042945	Sum of GTIs [s]
l2events	43851	Number of level 2 events



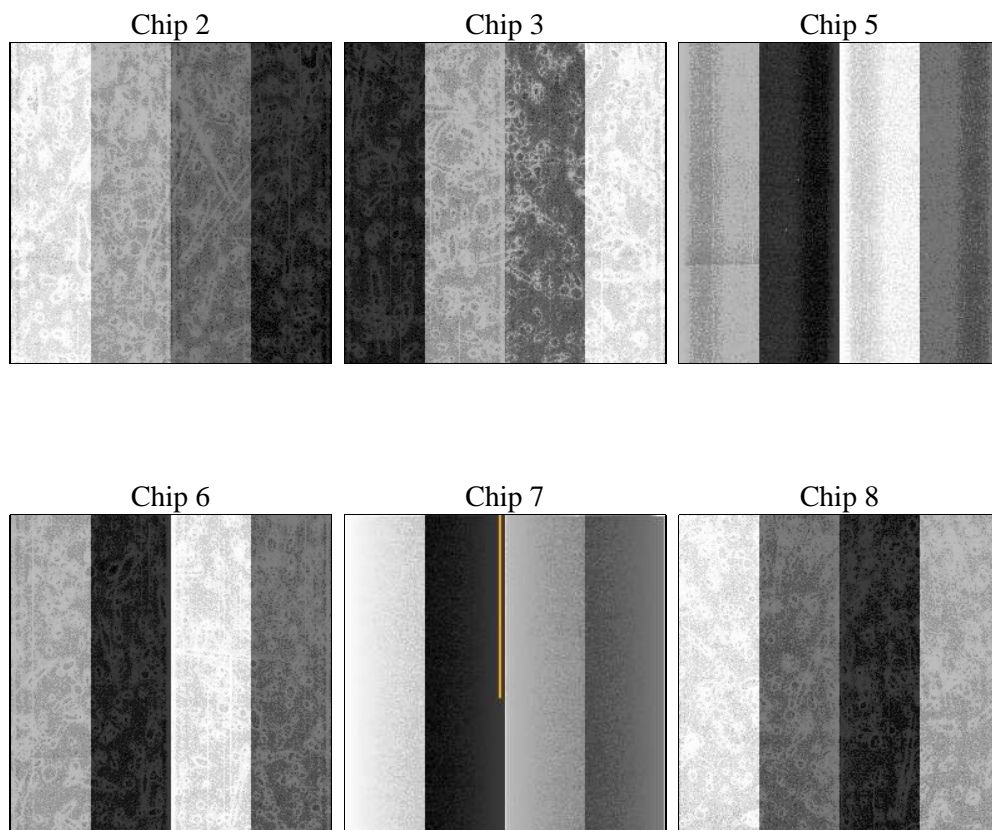
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4675.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4627.2000042945	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4627.2000042945	Sum of GTIs [s]
date	2012-09-01T15:44:07	Date and time of file creation	ontime3	4627.2000042945	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4627.2000042945	Sum of GTIs [s]
			ontime6	4627.2000042945	Sum of GTIs [s]
			ontime7	4627.2000042945	Sum of GTIs [s]
			ontime8	4627.2000042945	Sum of GTIs [s]
			l1events	186924	Number of level 1 events

2.1.4 Events

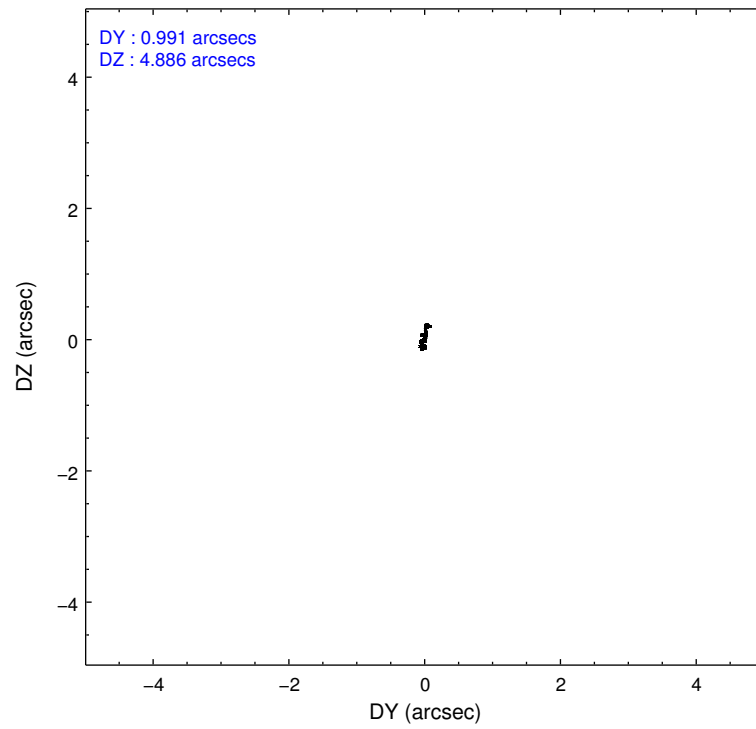
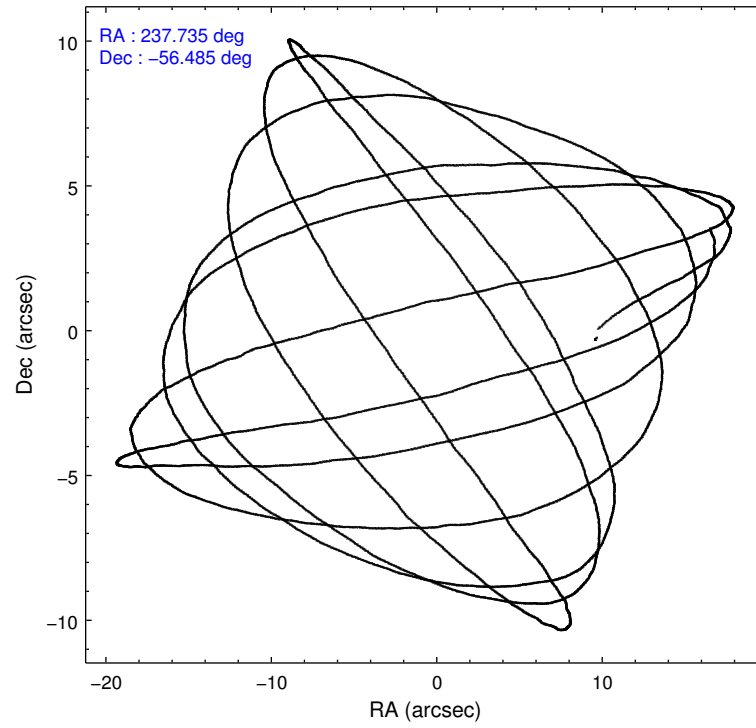
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26210	27266	36919	28256	34259	34014	grade 0 events	1400	1556	1419	1562	1561	3494
rejected events	23189	23995	20077	24822	19378	26027		5%	5%	3%	5%	4%	10%
rejected %	88%	88%	54%	87%	56%	76%	grade 1 events	18	9	38	15	30	21
								0%	0%	0%	0%	0%	0%
							grade 2 events	602	649	4832	628	2976	1462
								2%	2%	13%	2%	8%	4%
							grade 3 events	272	285	778	342	1331	732
								1%	1%	2%	1%	3%	2%
							grade 4 events	265	264	781	290	1374	673
								1%	0%	2%	1%	4%	1%
							grade 5 events	903	964	2776	1098	3254	1403
								3%	3%	7%	3%	9%	4%
							grade 6 events	483	522	9046	615	7649	1626
								1%	1%	24%	2%	22%	4%
							grade 7 events	22267	23017	17249	23706	16084	24603
								84%	84%	46%	83%	46%	72%

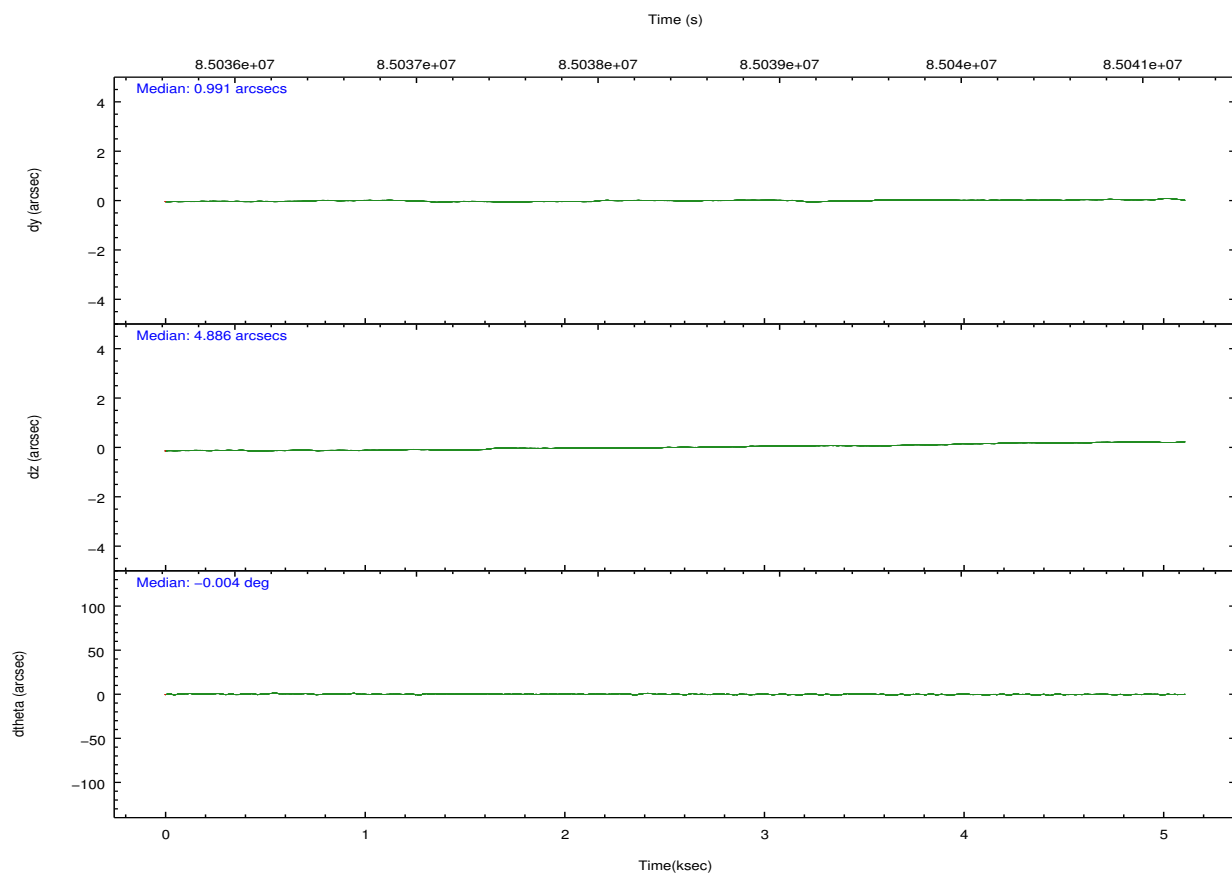
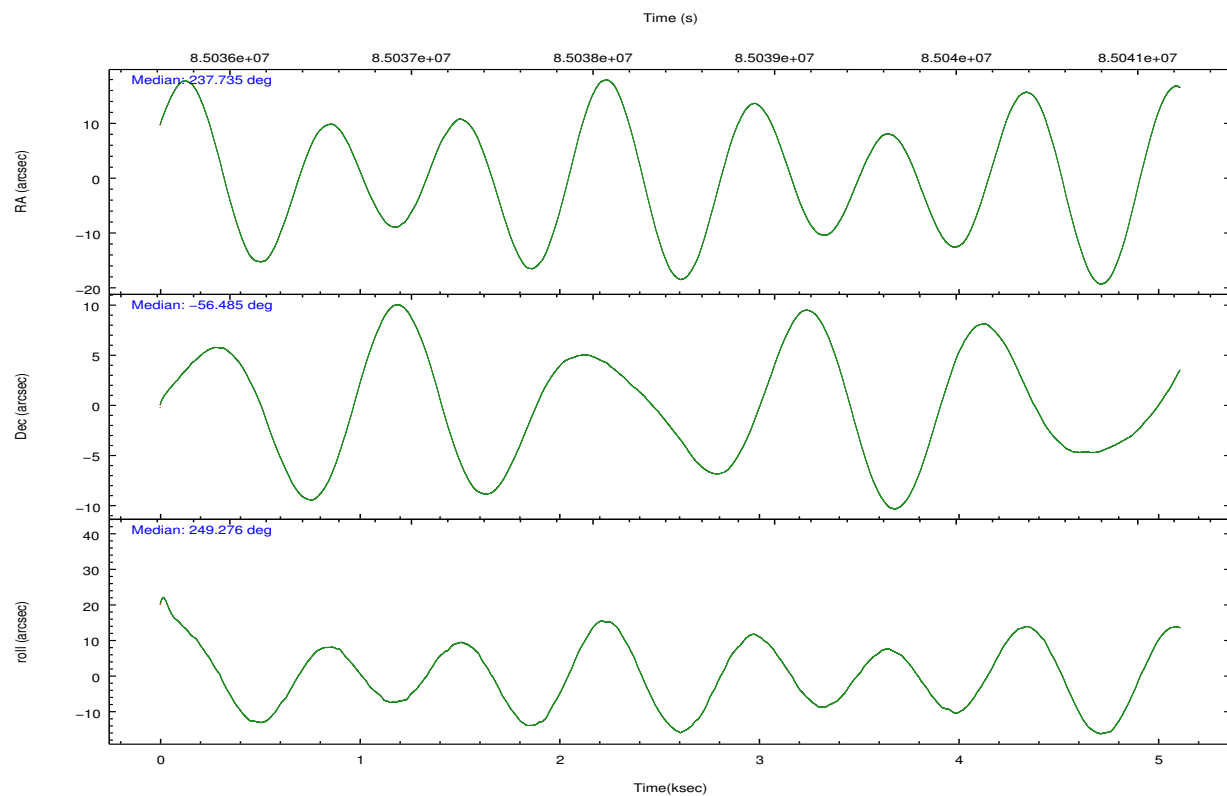
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	237.727425	237.7358611297643
[deg] Pointing Dec	-56.457885	-56.48486362383245
[deg] Pointing Roll	249.122530	249.2862113359631
[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)	85036303.184000	85035224.19720501
Observation start date	2000-09-11T05:10:39	2000-09-11T04:53:44
[s] Observation end time (MET)	85040978.184000	85042265.947469
Observation end date	2000-09-11T06:28:34	2000-09-11T06:51:05
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



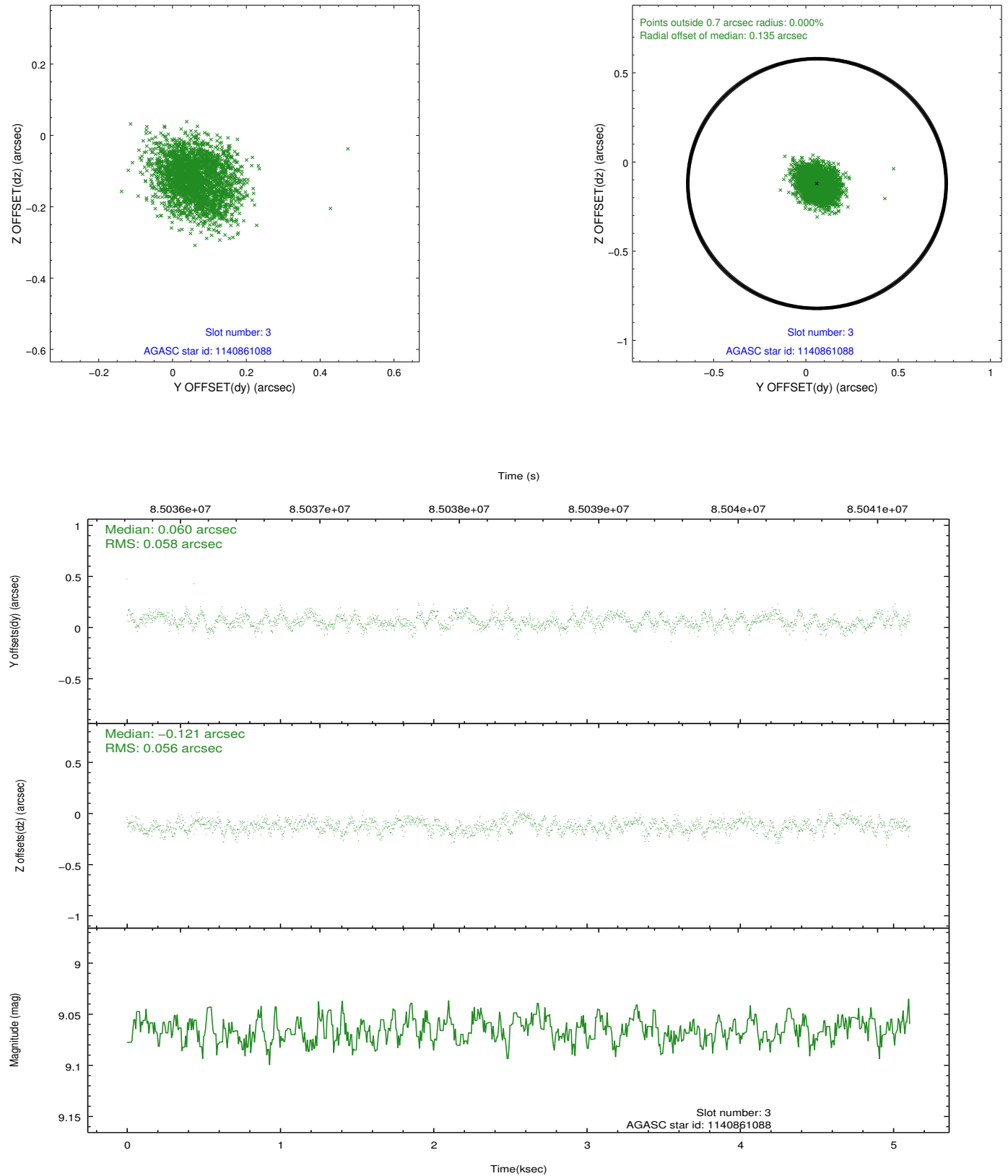


Slot Statistics

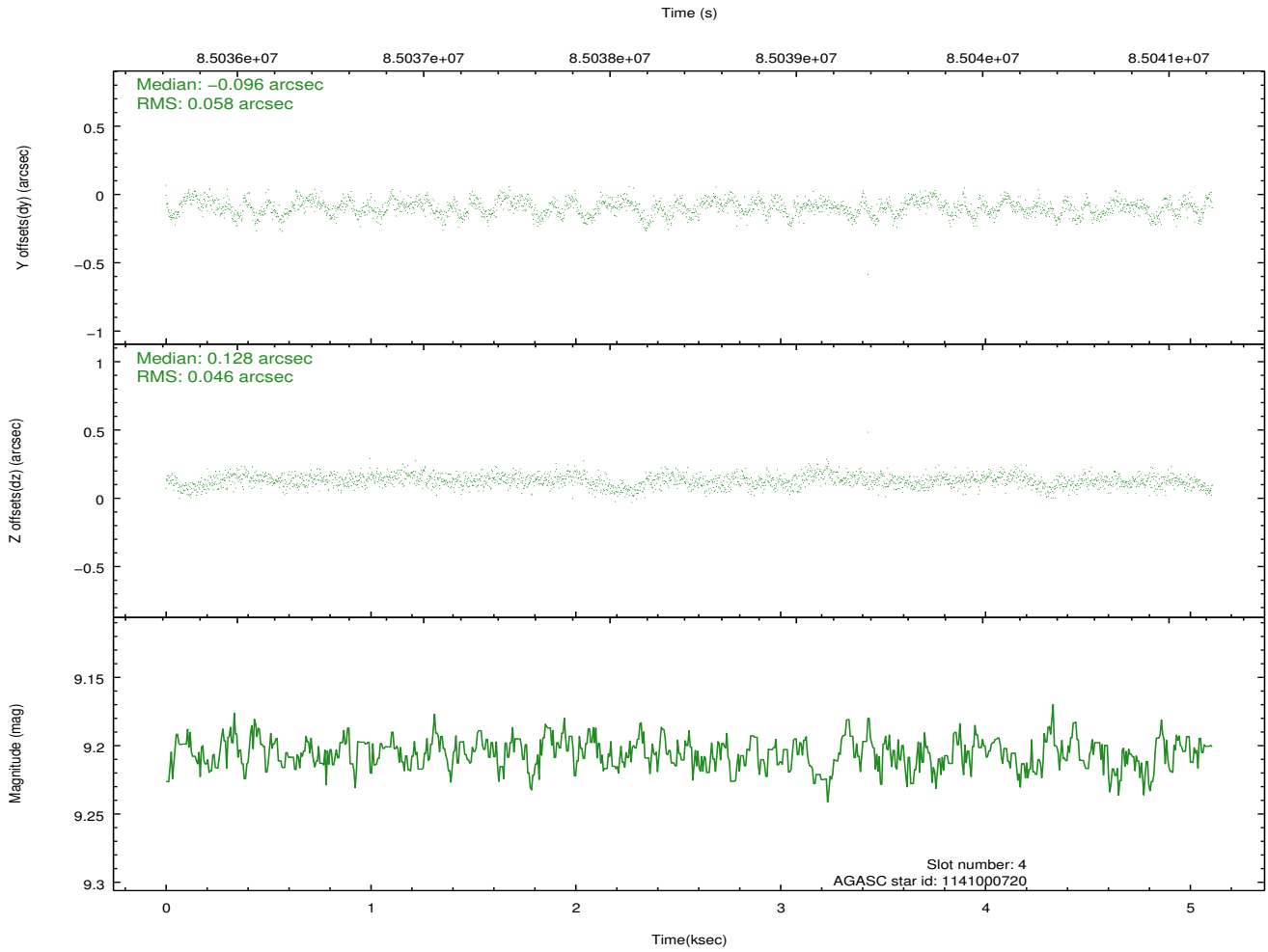
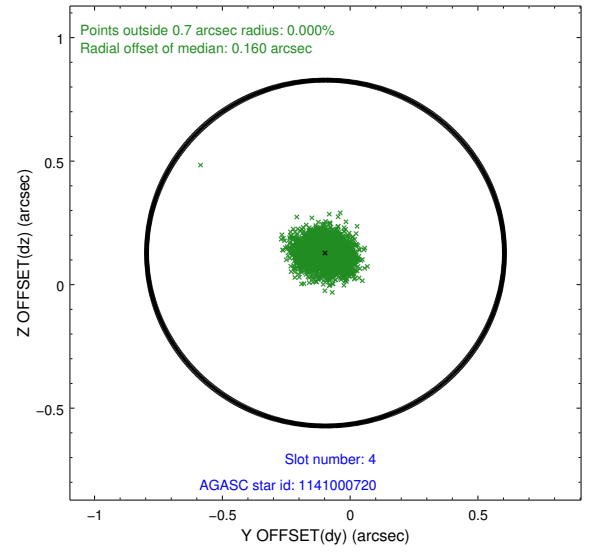
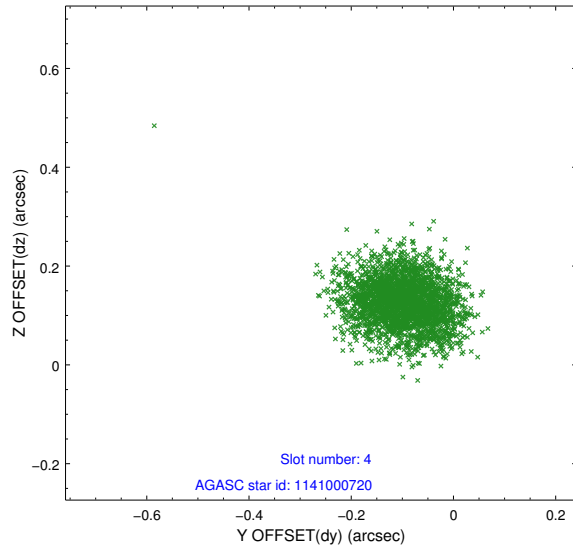
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1247	-0.044	-0.020	0.007	0.012	0.000000	0.000000	-753.60	-1726.04
1	FID	ACIS-S-4	7.21	1247	0.025	0.027	0.006	0.010	0.000000	0.000000	2159.19	181.29
2	FID	ACIS-S-5	7.23	1247	-0.011	0.002	0.007	0.012	0.000000	0.000000	-1804.90	176.26
3	GUIDE	1140861088	9.07	2493	0.060	-0.121	0.086	0.136	236.443591	-56.463656	951.10	-2369.33
4	GUIDE	1141000720	9.21	2493	-0.096	0.128	0.080	0.126	238.678440	-56.280404	-1263.00	1552.04
5	GUIDE	1141008368	9.62	2490	-0.025	-0.016	0.081	0.134	237.932994	-56.629432	430.88	601.68
6	GUIDE	1140984088	9.46	2492	0.061	-0.001	0.079	0.129	237.763213	-56.698871	784.56	376.00
7	GUIDE	1140998992	9.51	2492	-0.001	0.011	0.087	0.141	238.012836	-56.351628	-559.95	396.46

2.4 Star Slots

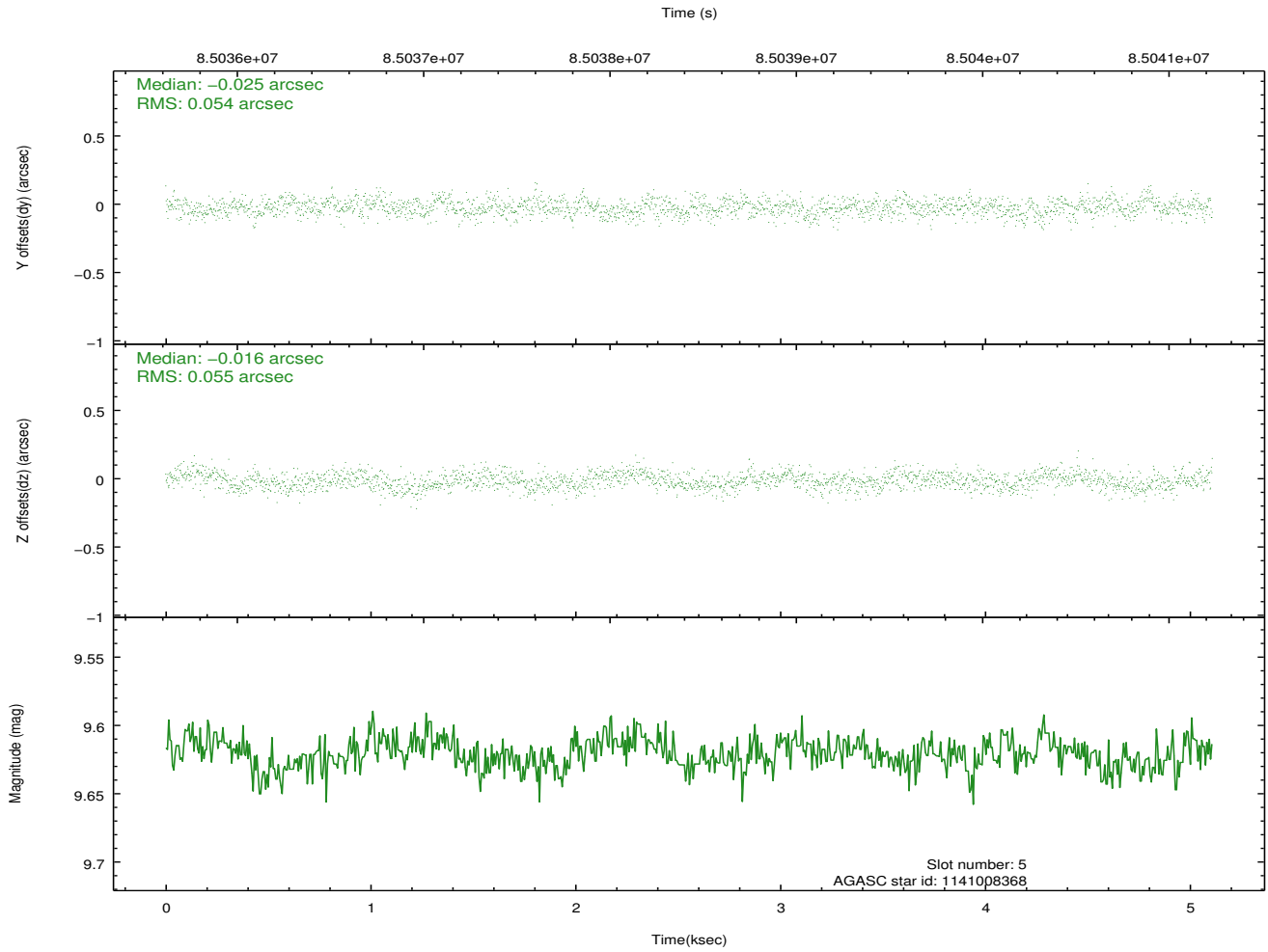
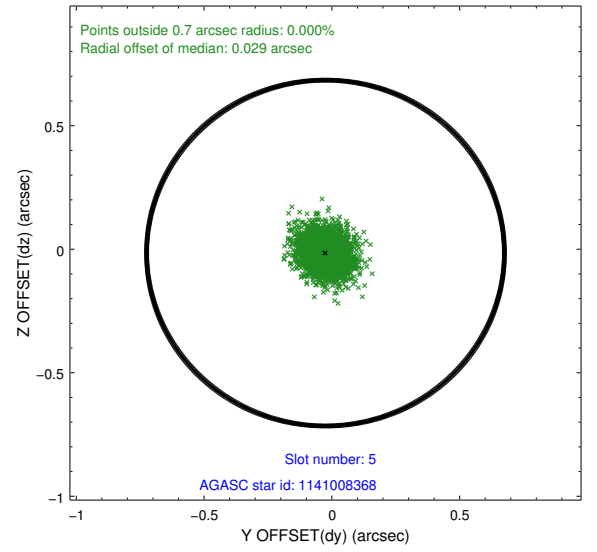
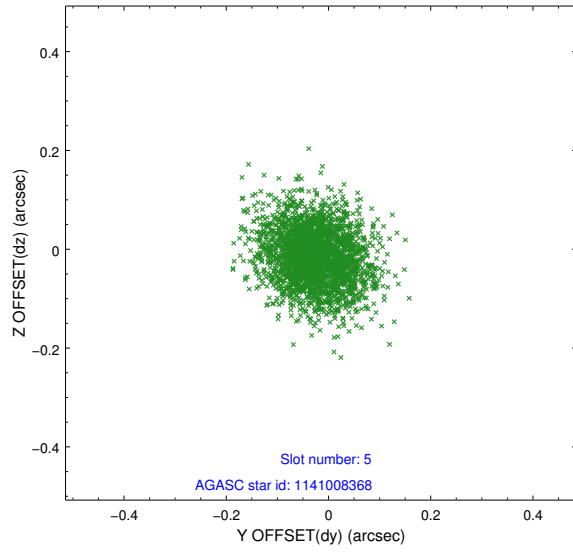
2.4.1 Slot 3



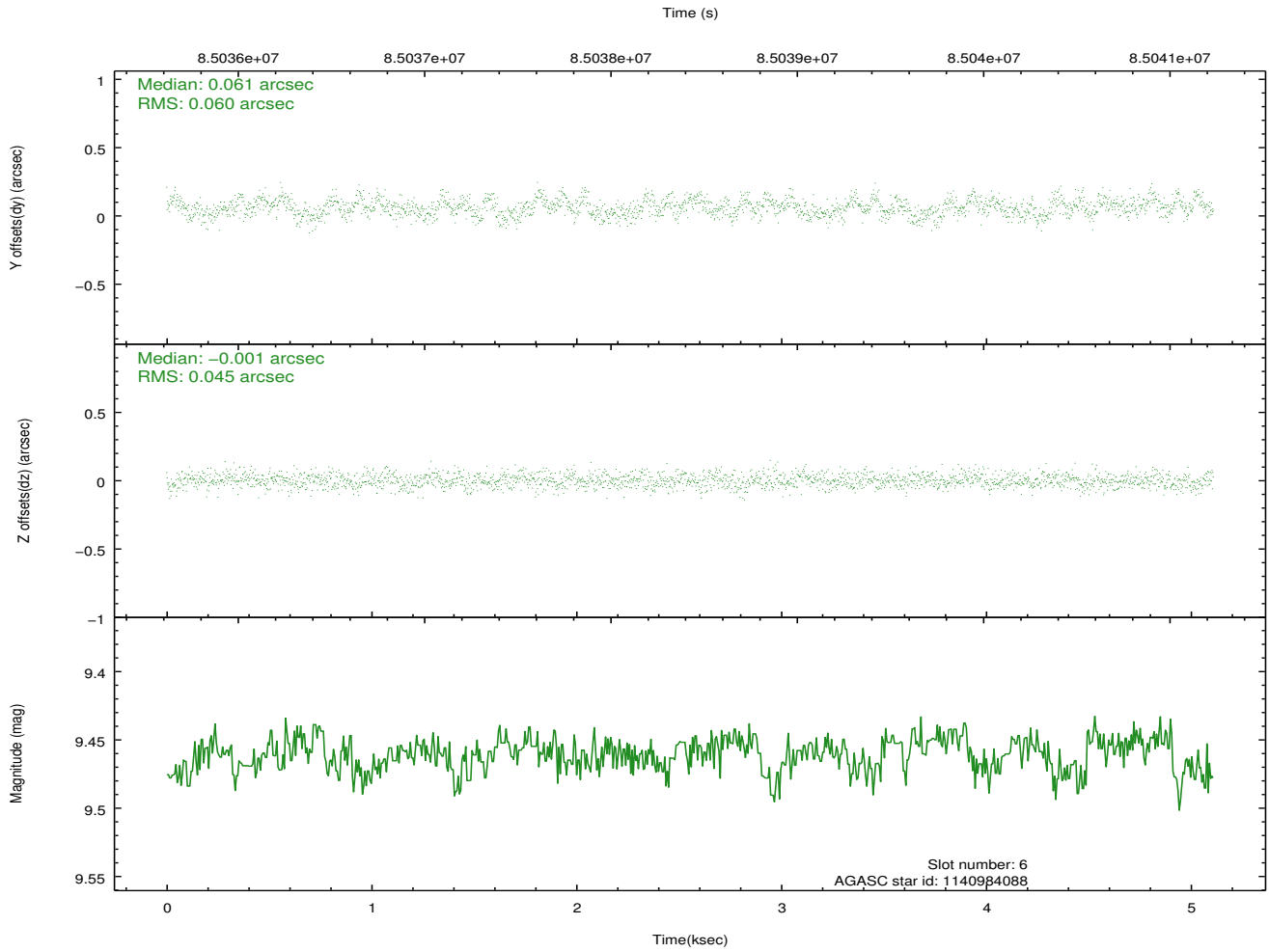
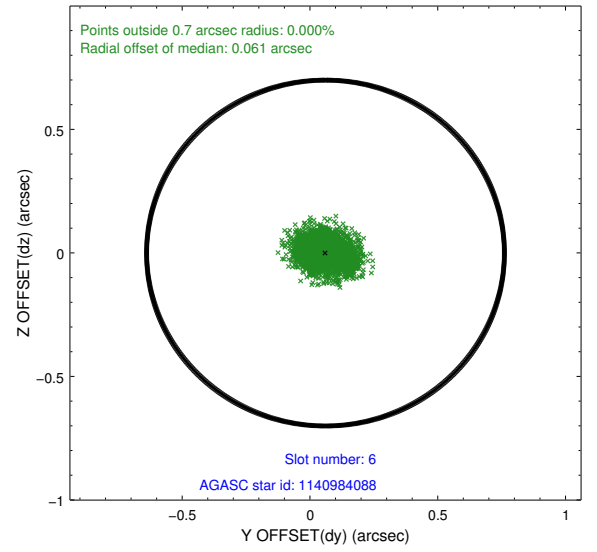
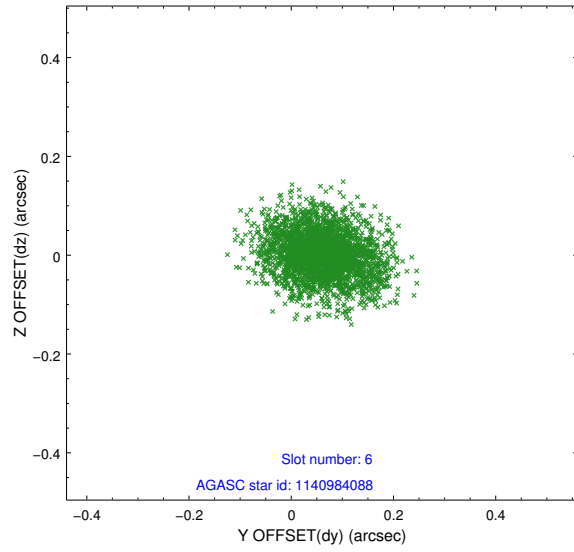
2.4.2 Slot 4



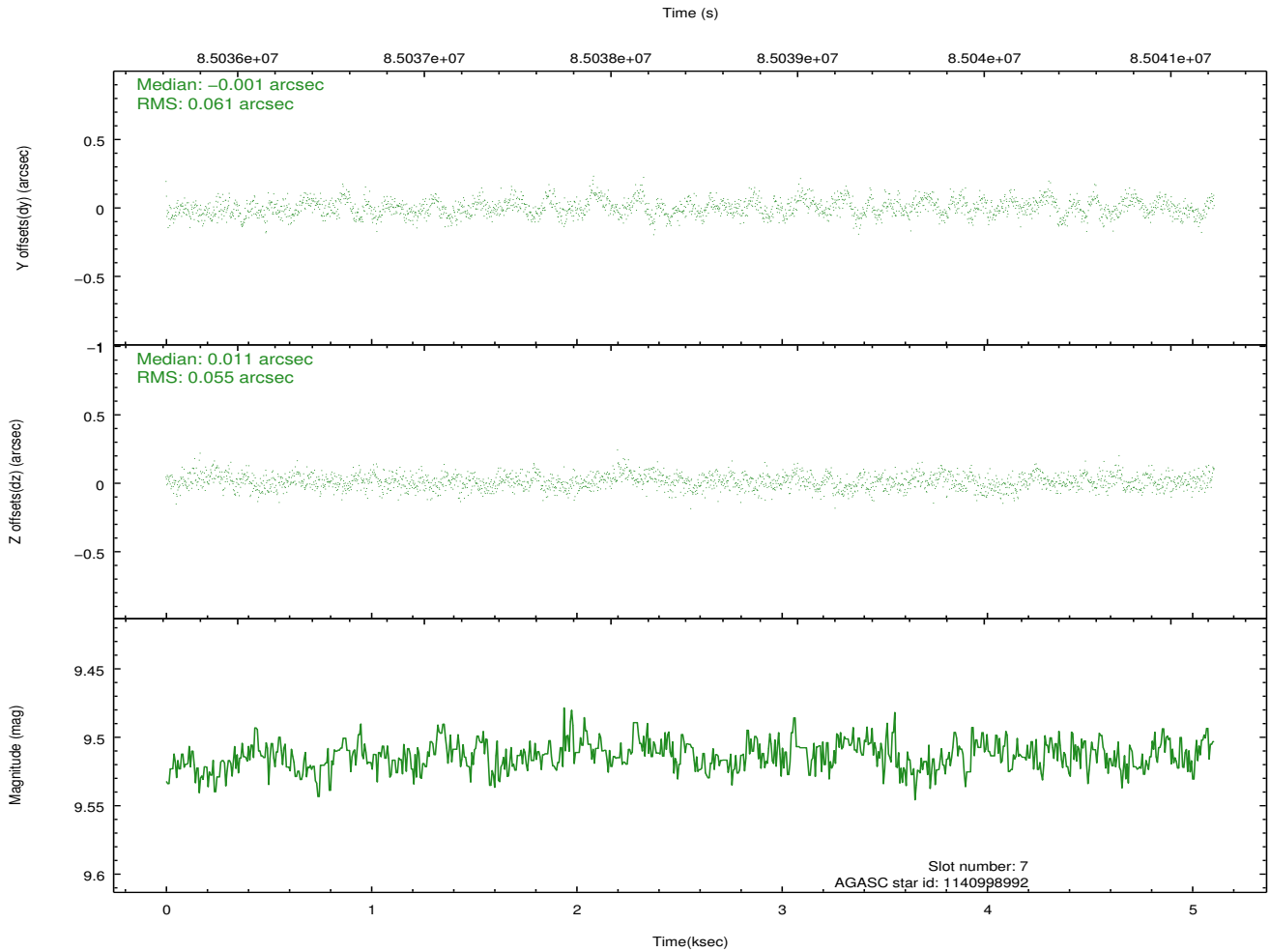
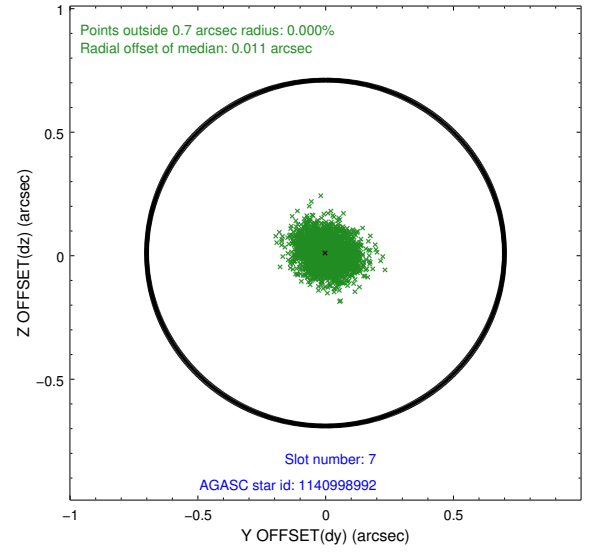
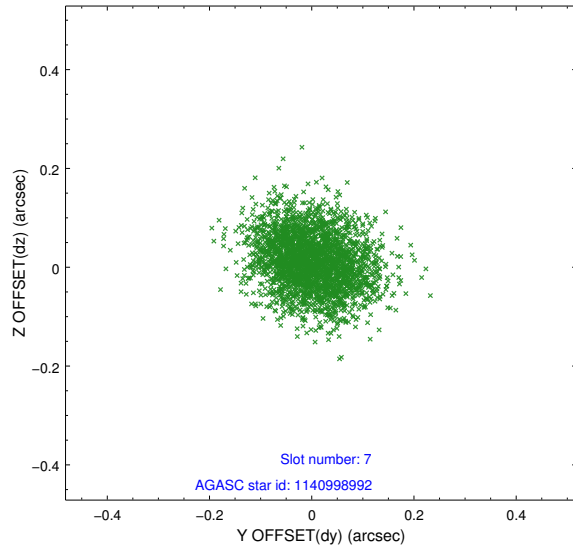
2.4.3 Slot 5



2.4.4 Slot 6

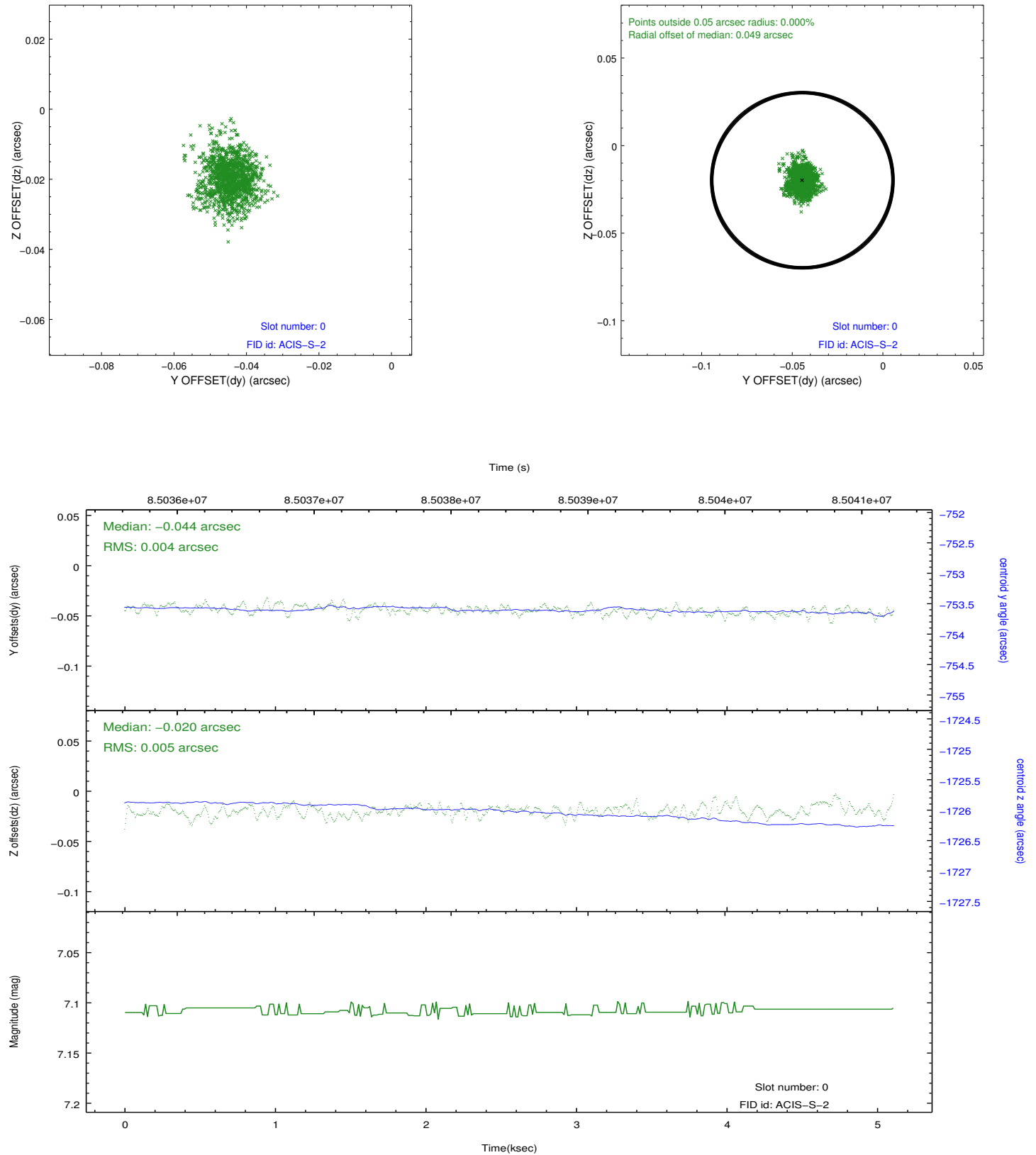


2.4.5 Slot 7

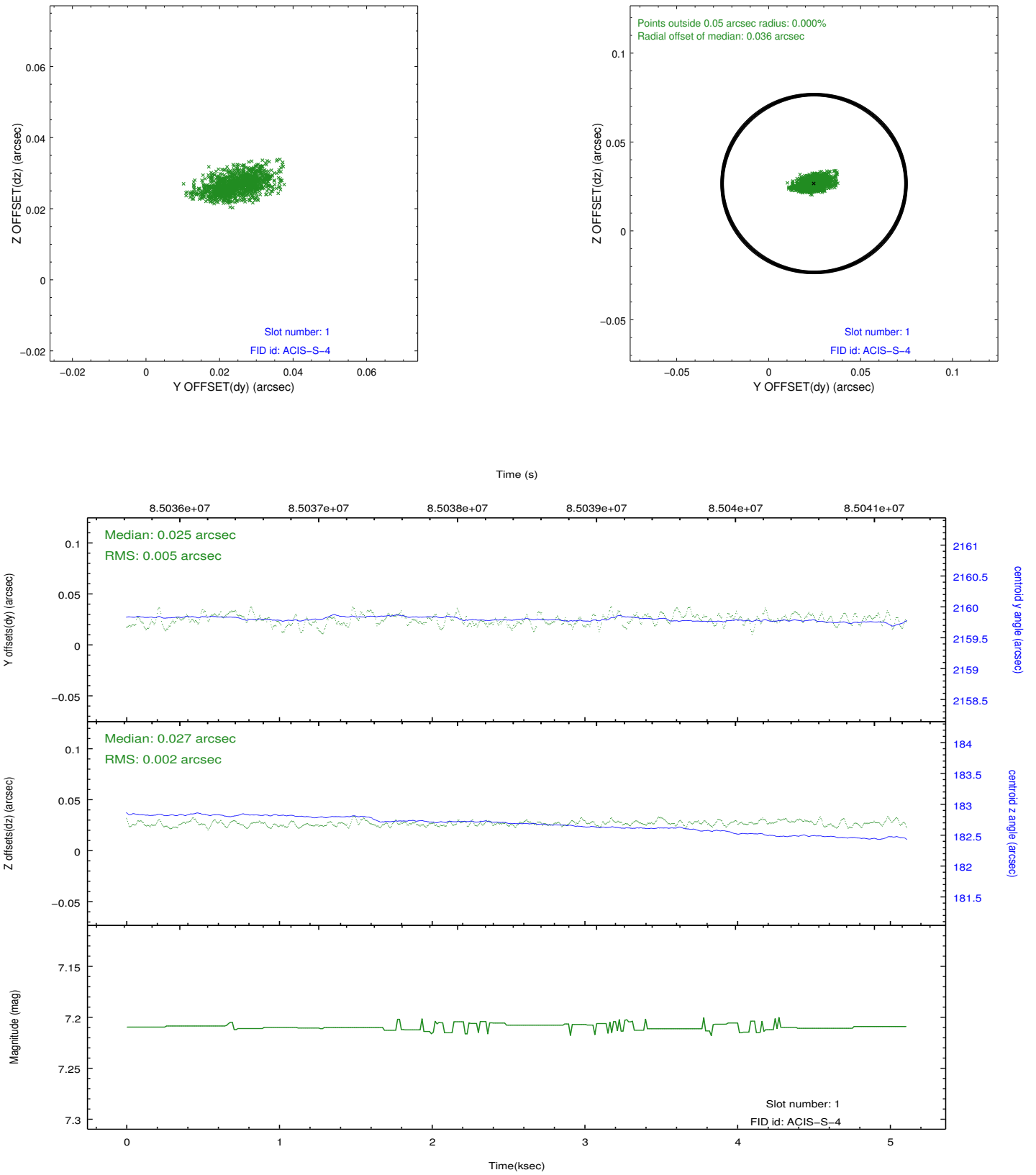


2.5 FID Slots

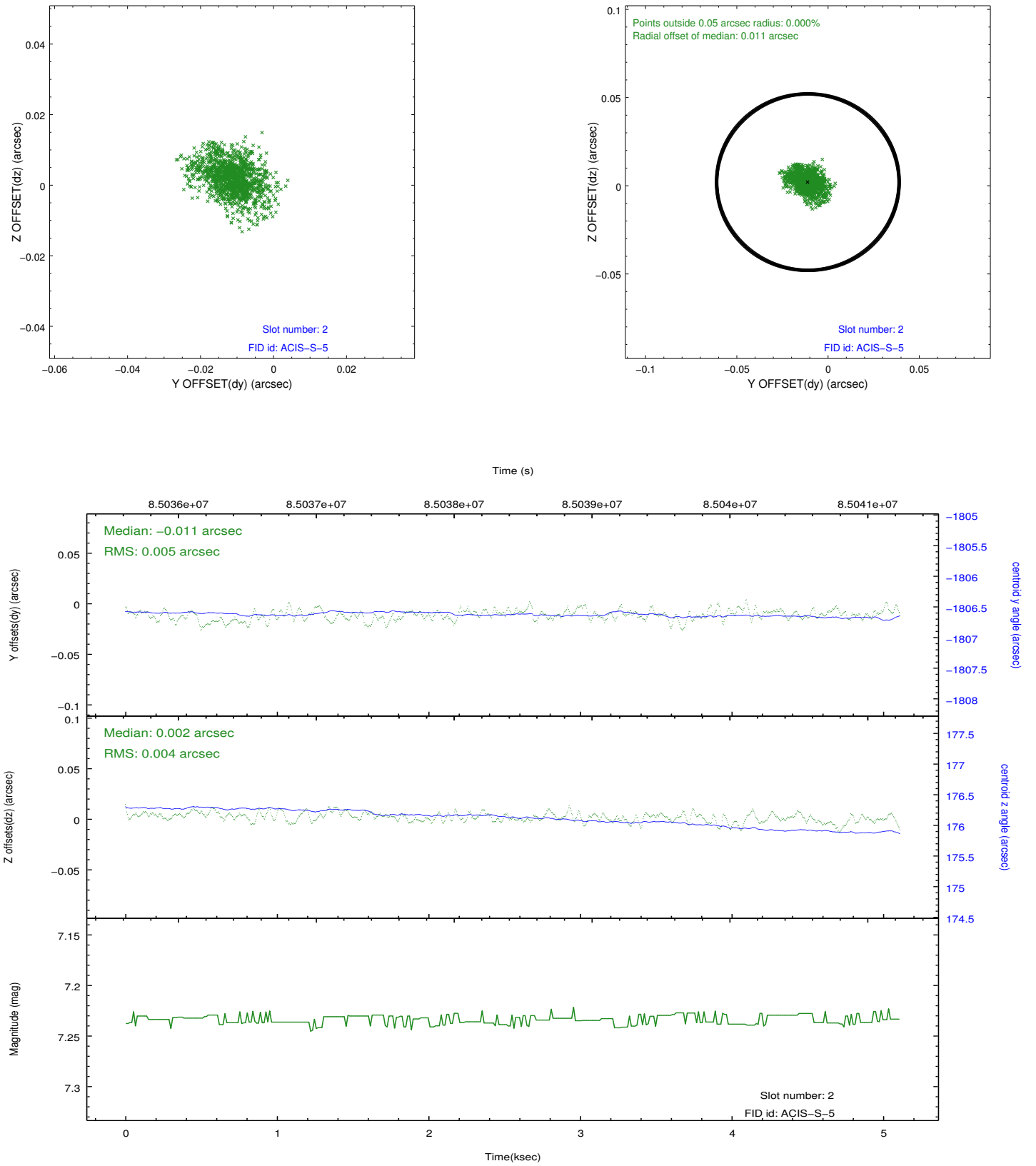
2.5.1 Slot 0



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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.63

A.2 Comments

Monitor constraint met.