

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1637 - L2 Version 3
Chandra X-Ray Center

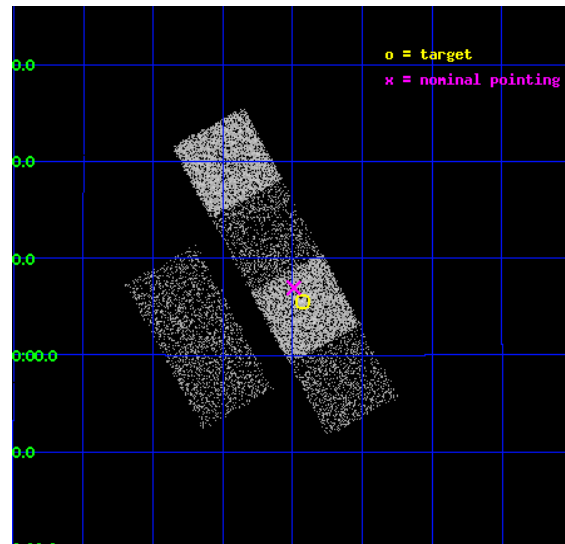
L2 Processing Date : Sep 2 2012

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1 Front

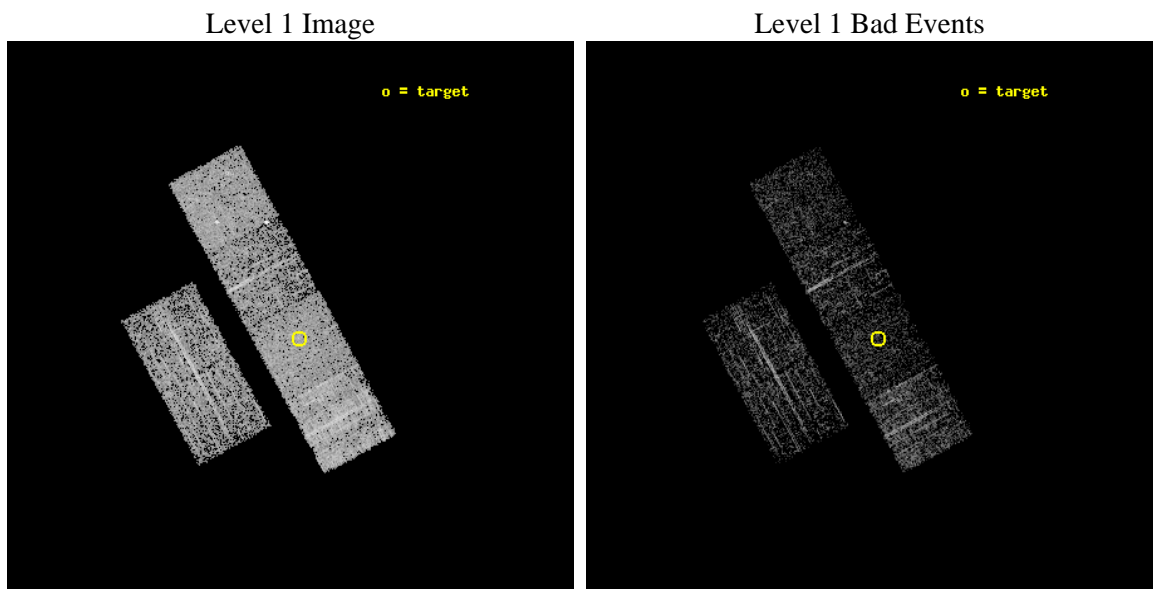
seq_num	700253	Sequence number
obs_id	1637	Observation id
title	THE X-RAY PROPERTIES OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	NGC 3623	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.731667	Observer's specified target RA [deg]
dec_targ	13.091361	Observer's specified target Dec [deg]
ra_nom	169.74759842769	Nominal RA [deg]
dec_nom	13.115925626007	Nominal Dec [deg]
roll_nom	61.435580763789	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1753.6000016183	Sum of GTIs [s]
livetime	1731.3948625066	Livetime [s]
ontime2	1753.6000016183	Sum of GTIs [s]
ontime3	1753.6000016183	Sum of GTIs [s]
ontime5	1753.6000016183	Sum of GTIs [s]
ontime6	1753.6000016183	Sum of GTIs [s]
ontime7	1753.6000016183	Sum of GTIs [s]
ontime8	1750.3591809869	Sum of GTIs [s]
l2events	17171	Number of level 2 events



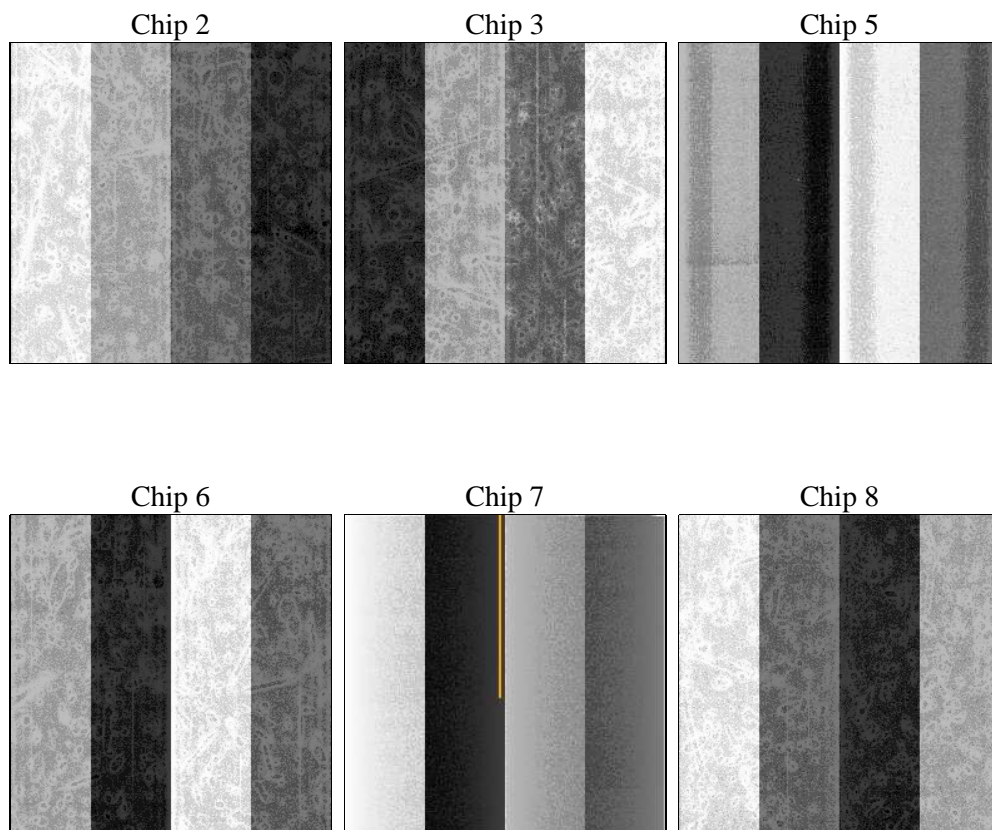
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1753.6000016183	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1753.6000016183	Sum of GTIs [s]
date	2012-09-03T01:00:12	Date and time of file creation	ontime3	1753.6000016183	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1753.6000016183	Sum of GTIs [s]
			ontime6	1753.6000016183	Sum of GTIs [s]
			ontime7	1753.6000016183	Sum of GTIs [s]
			ontime8	1750.3591809869	Sum of GTIs [s]
			l1events	85202	Number of level 1 events

2.1.4 Events

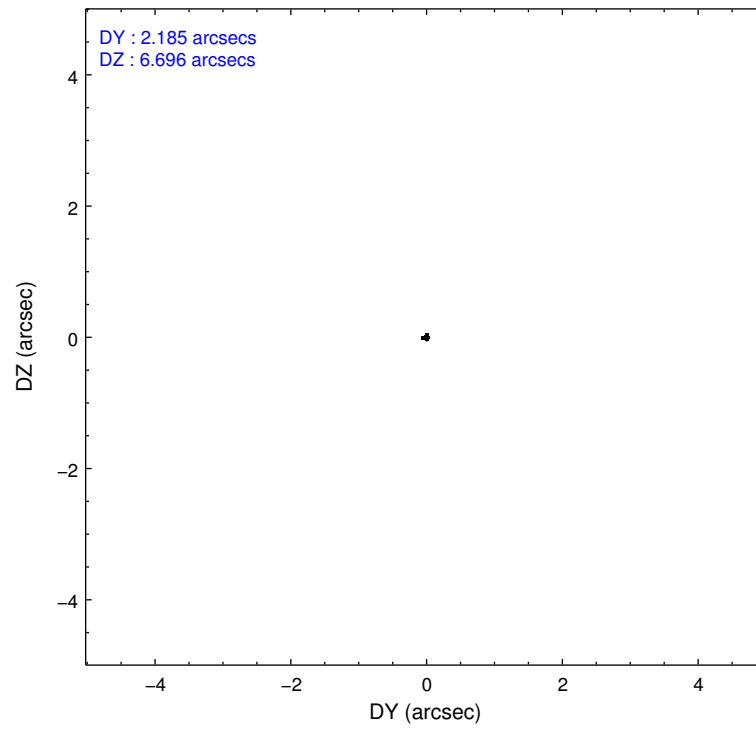
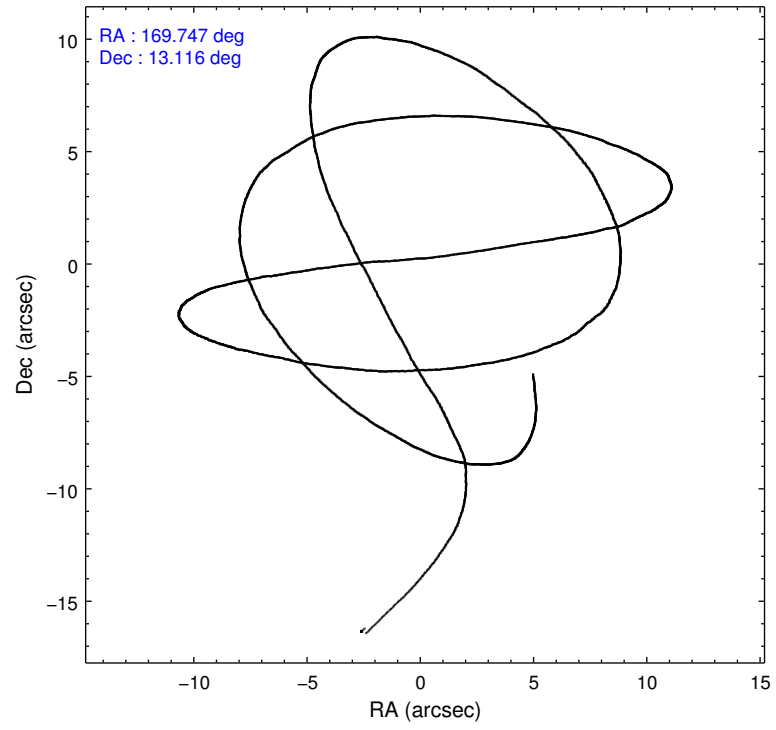
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	12266	11014	15423	11491	13803	21205
rejected events	10727	9611	8191	9993	7775	14792
rejected %	87%	87%	53%	86%	56%	69%

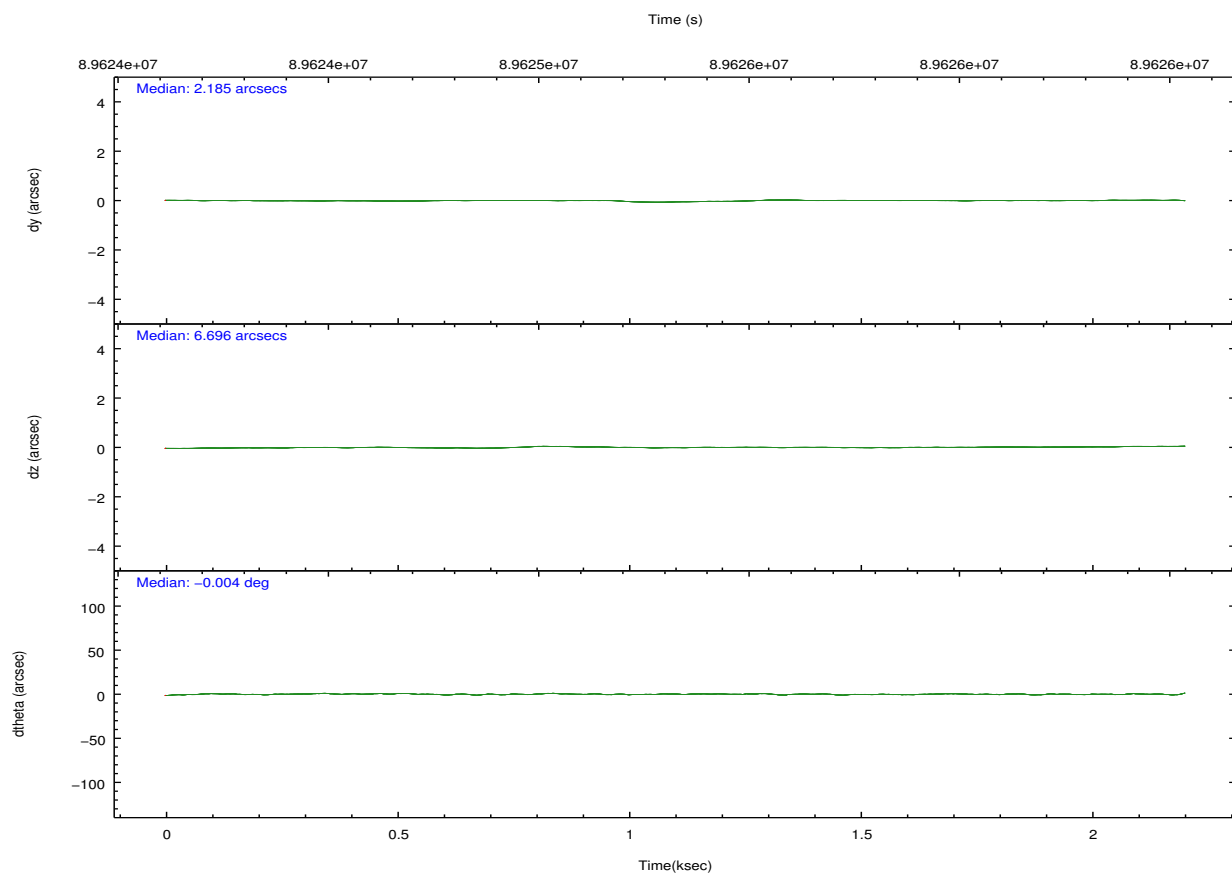
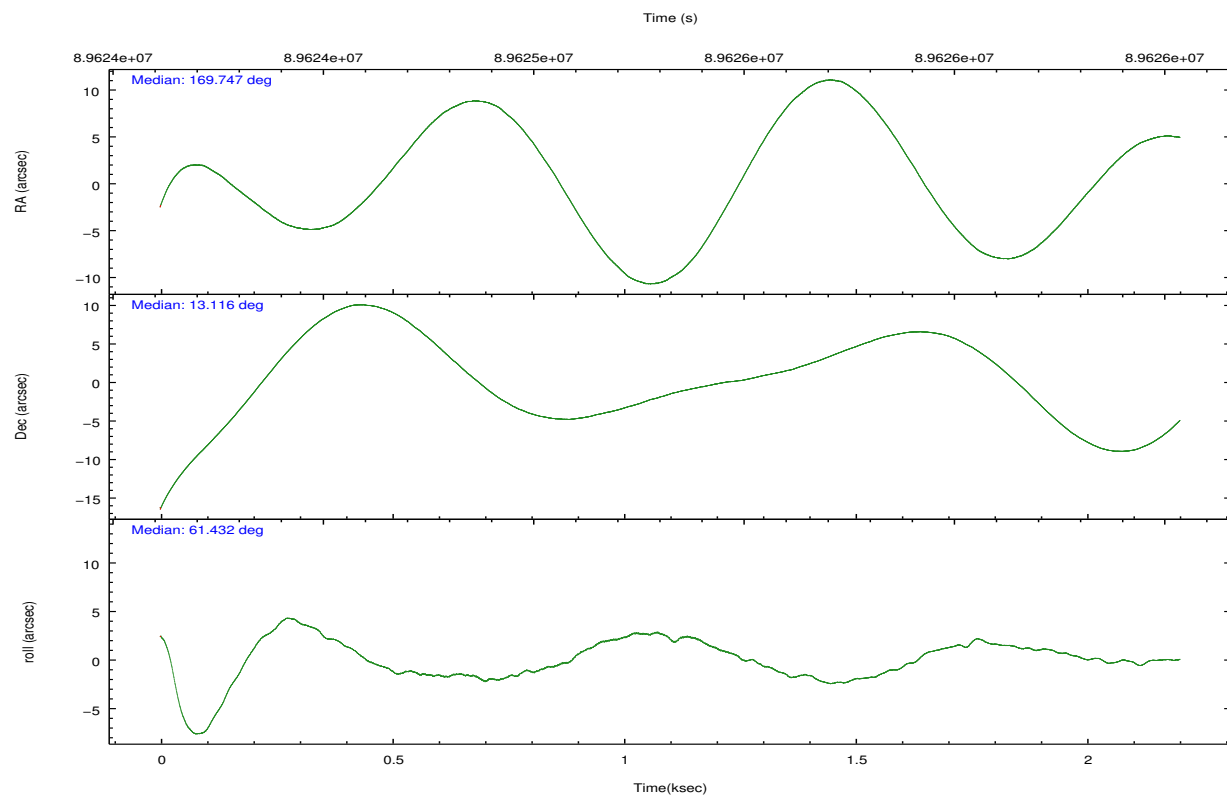
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	641	559	1109	620	680	2261
	5%	5%	7%	5%	4%	10%
grade 1 events	8	9	69	6	16	30
	0%	0%	0%	0%	0%	0%
grade 2 events	352	314	2035	344	1291	763
	2%	2%	13%	2%	9%	3%
grade 3 events	118	109	319	122	589	1213
	0%	0%	2%	1%	4%	5%
grade 4 events	130	117	365	133	530	1049
	1%	1%	2%	1%	3%	4%
grade 5 events	356	413	1129	441	1211	522
	2%	3%	7%	3%	8%	2%
grade 6 events	299	308	3417	281	2950	1181
	2%	2%	22%	2%	21%	5%
grade 7 events	10362	9185	6980	9544	6536	14186
	84%	83%	45%	83%	47%	66%

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	169.748567	169.7475984276869	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.088799	13.11592562600703	Alternating exposures requested	N	N
[deg] Pointing Roll	61.278695	61.43558076378935	[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)	89624423.184000	89623588.182777			
Observation start date	2000-11-03T07:39:19	2000-11-03T07:26:28			
[s] Observation end time (MET)	89626423.184000	89626694.44539399			
Observation end date	2000-11-03T08:12:39	2000-11-03T08:18:14			
Read mode	TIMED	TIMED			

2.3 Aspect



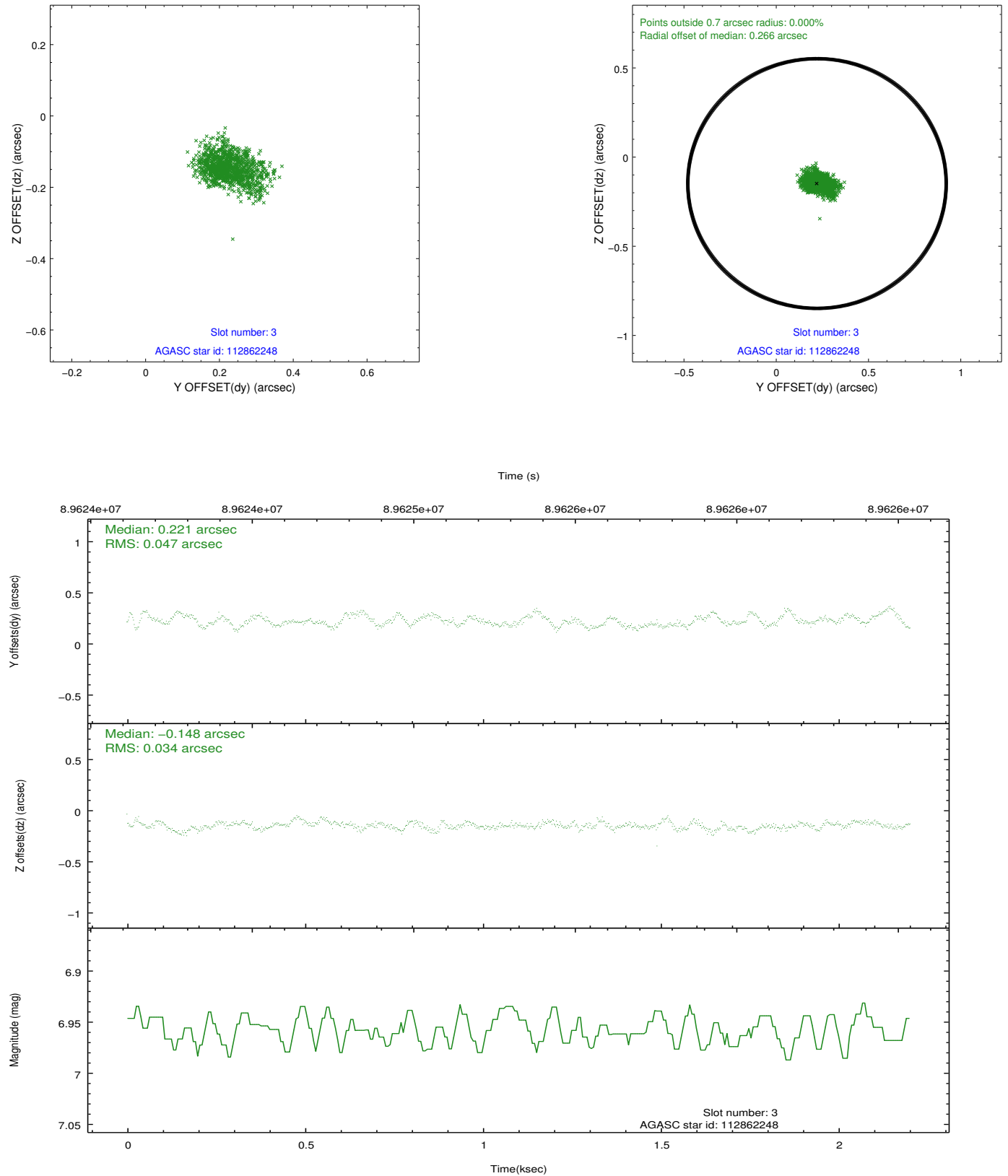


Slot Statistics

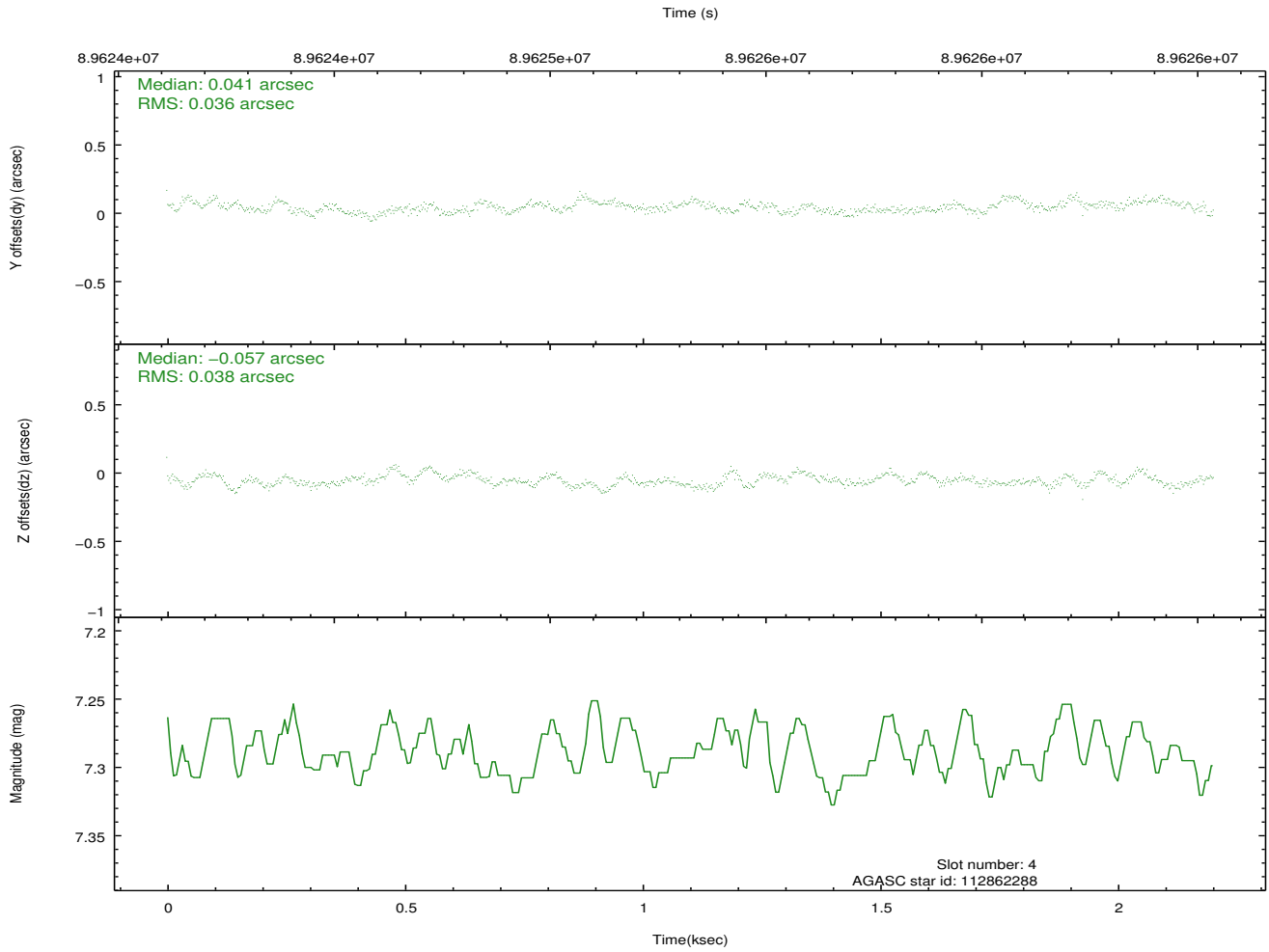
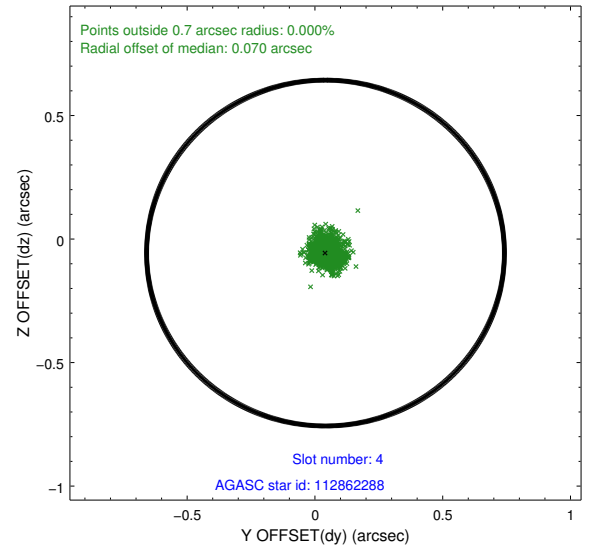
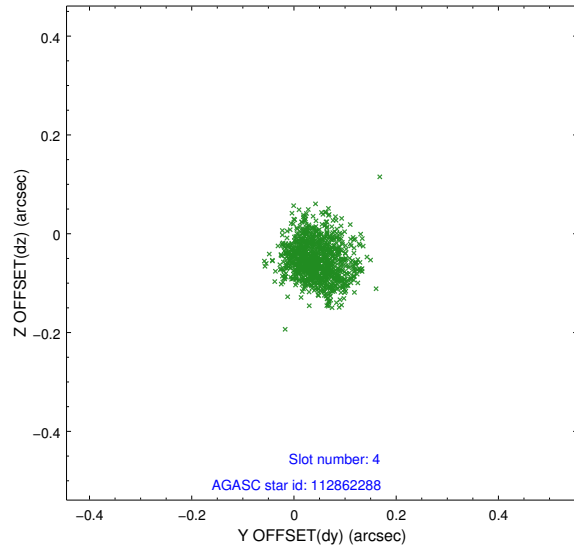
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	538	-0.026	0.002	0.006	0.012	0.000000	0.000000	-754.82	-1727.85
1	FID	ACIS-S-4	7.20	538	-0.029	0.012	0.006	0.012	0.000000	0.000000	2157.12	177.60
2	FID	ACIS-S-5	7.24	538	0.024	-0.005	0.007	0.012	0.000000	0.000000	-1803.81	174.60
3	GUIDE	112862248	6.96	1075	0.221	-0.148	0.061	0.104	168.990845	12.844801	-2043.19	1911.79
4	GUIDE	112862288	7.29	1075	0.041	-0.057	0.056	0.091	169.777560	13.390753	1001.91	434.99
5	GUIDE	112862424	9.44	1075	-0.239	0.190	0.108	0.178	170.459633	13.475243	2421.93	-1512.34
6	GUIDE	112857720	9.40	1075	-0.119	-0.031	0.087	0.141	169.841312	13.775016	2326.11	901.38
7	GUIDE	112862568	9.60	1074	0.086	0.051	0.086	0.143	170.030630	13.021719	268.13	-982.61

2.4 Star Slots

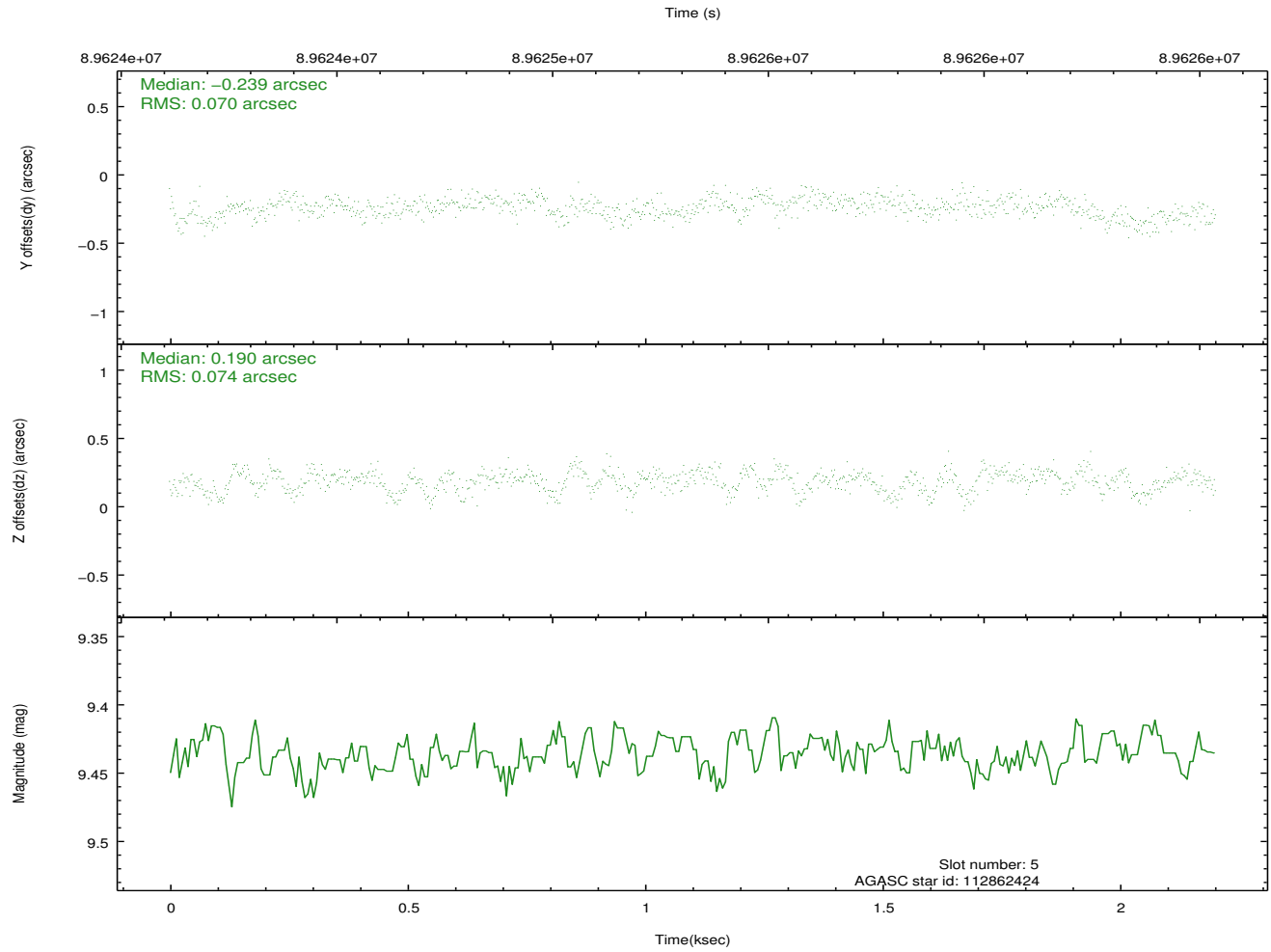
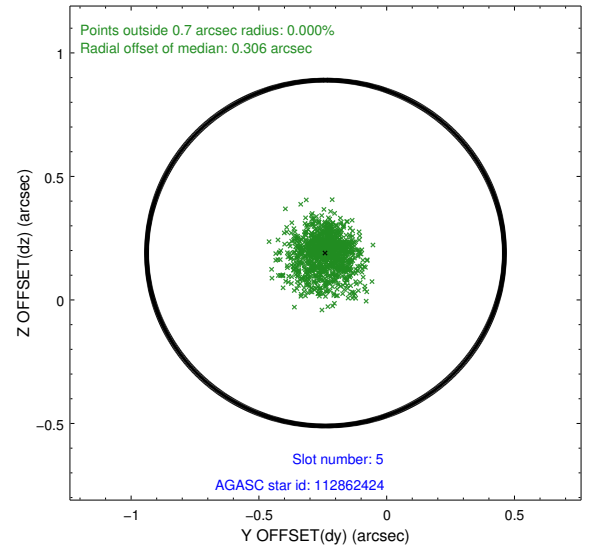
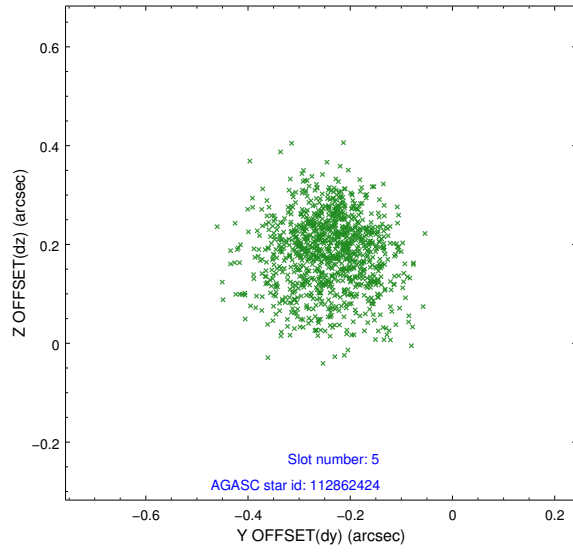
2.4.1 Slot 3



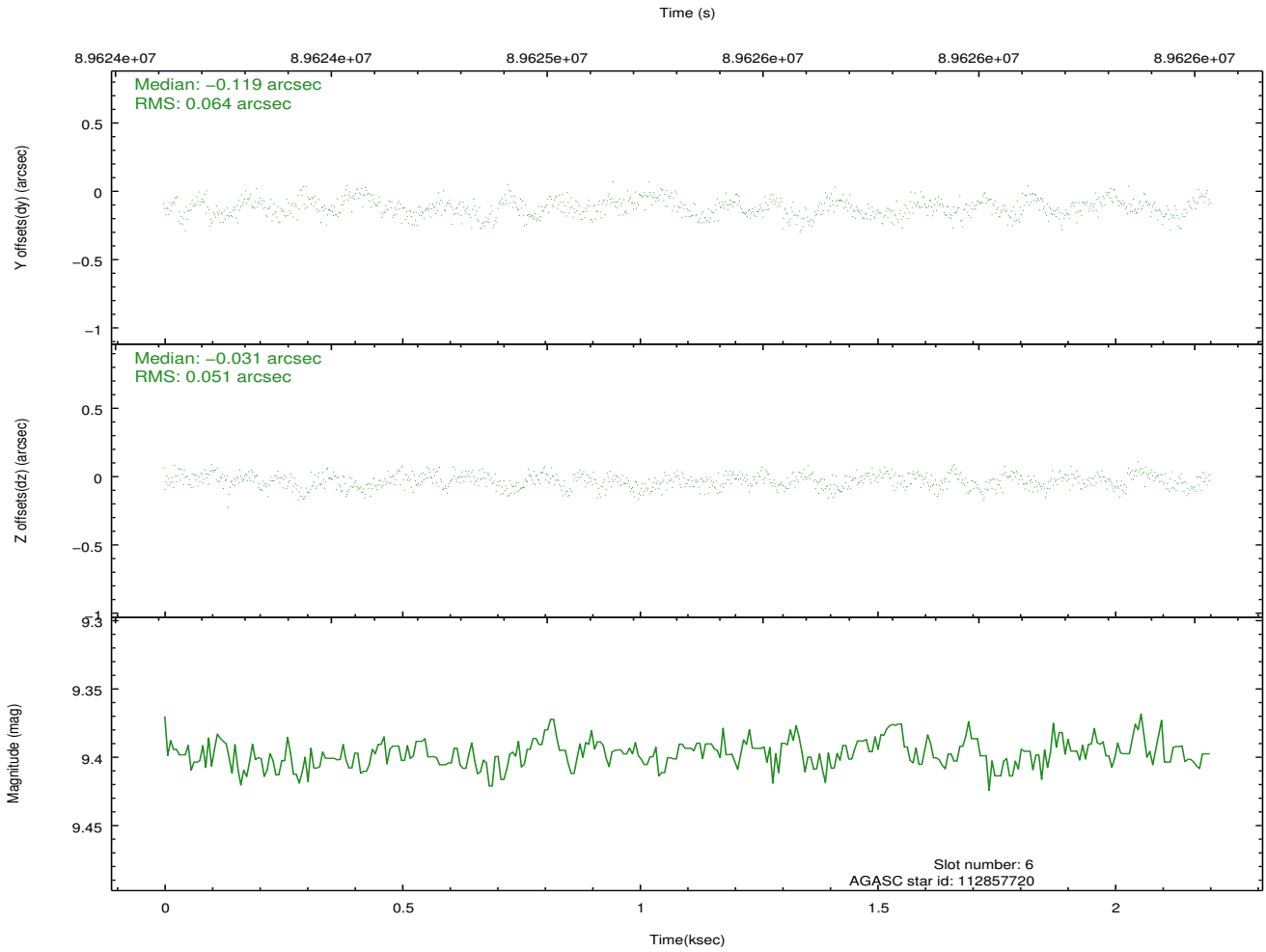
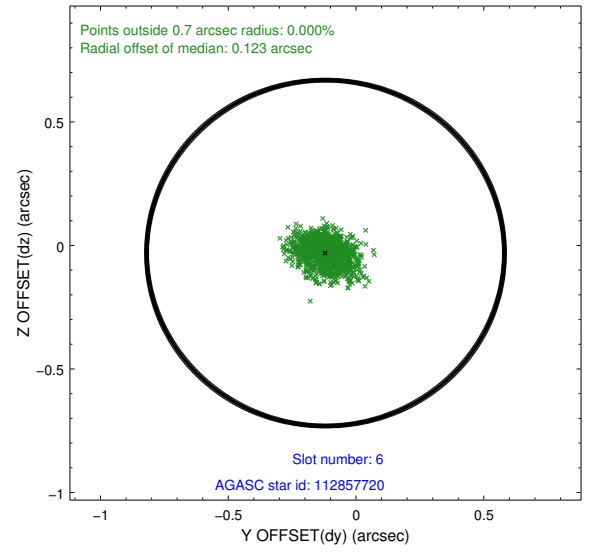
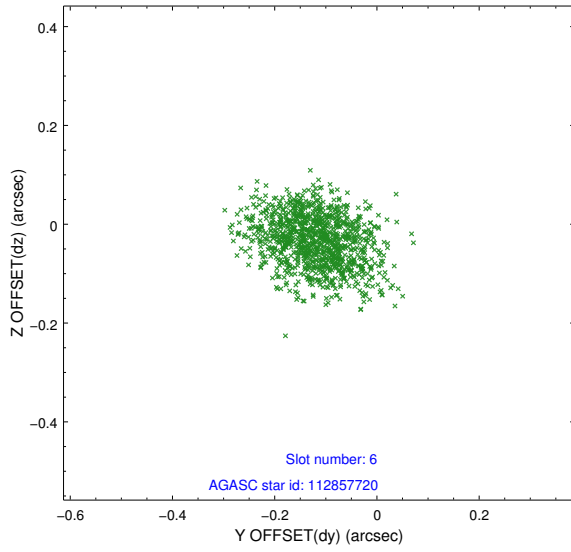
2.4.2 Slot 4



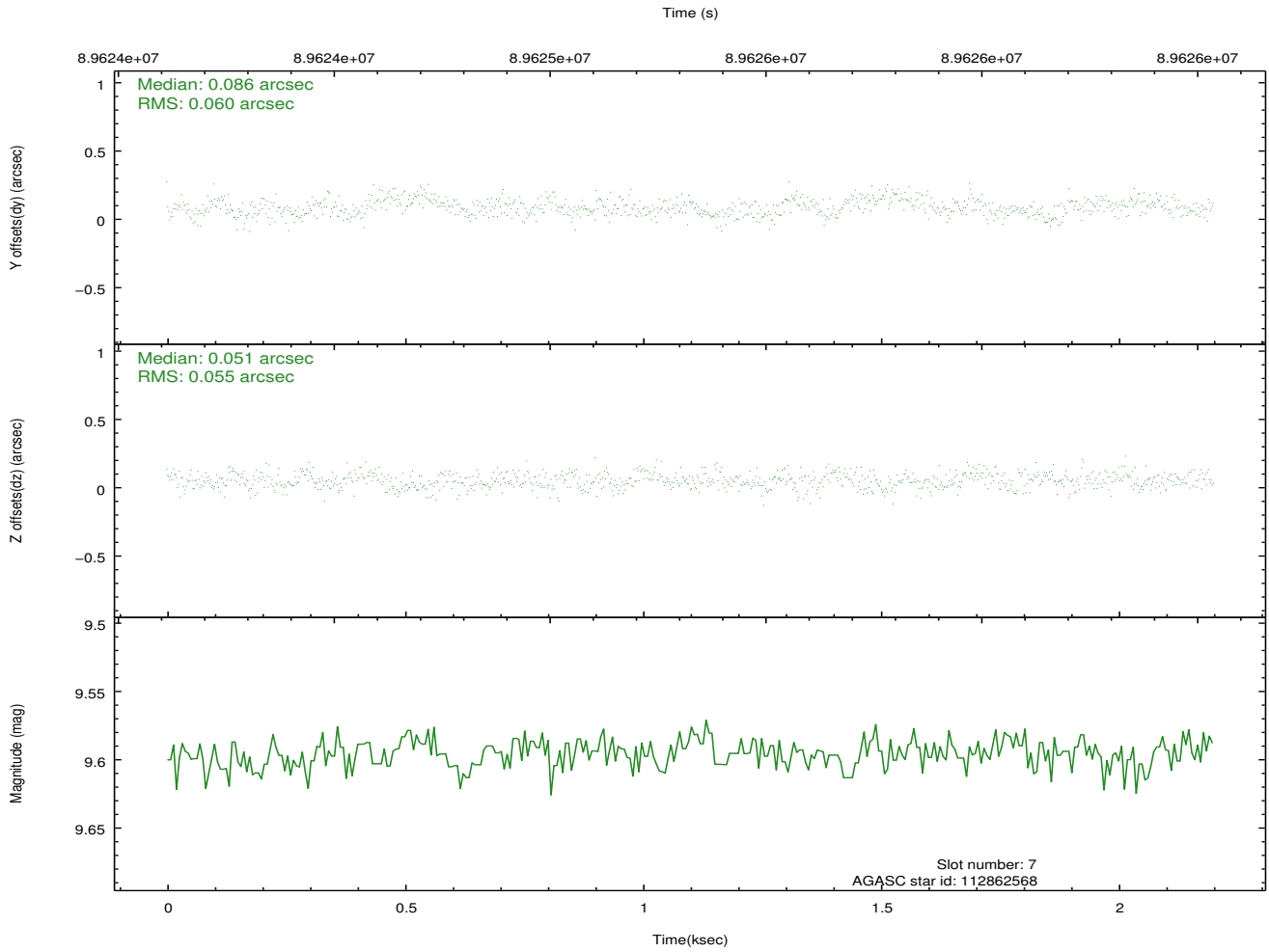
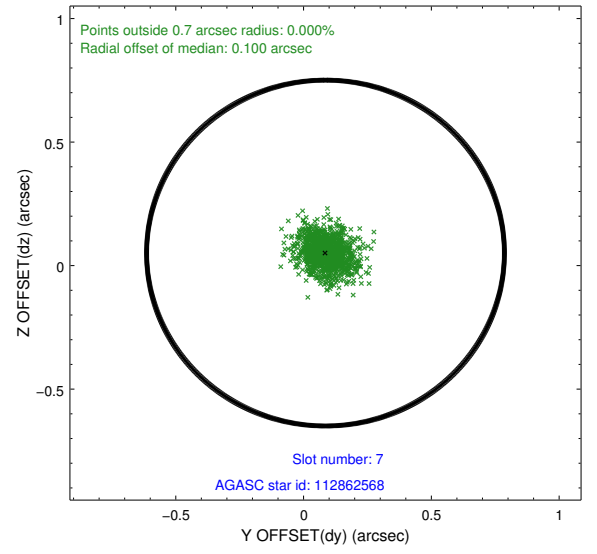
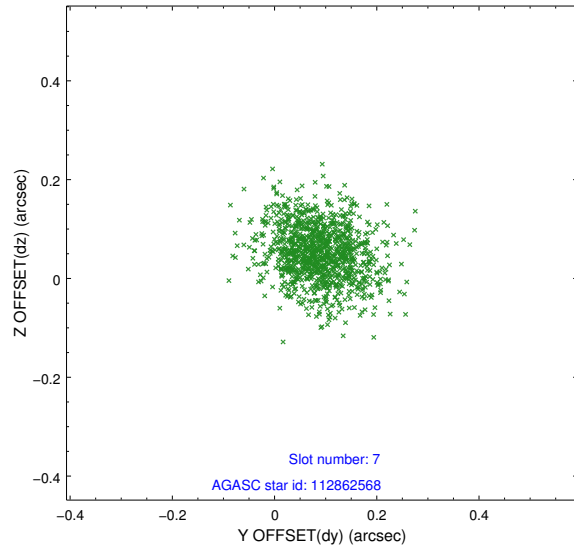
2.4.3 Slot 5



2.4.4 Slot 6

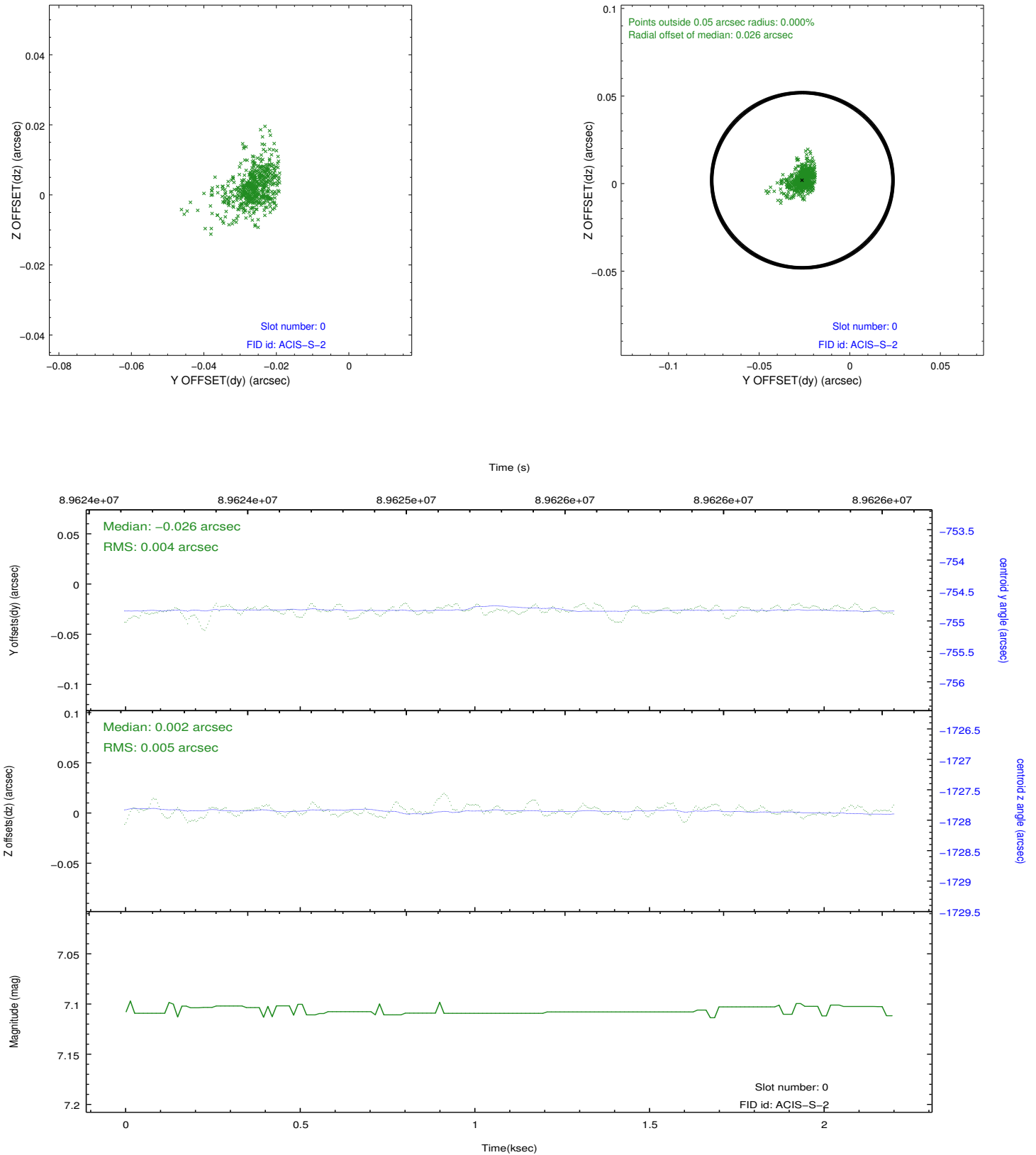


2.4.5 Slot 7

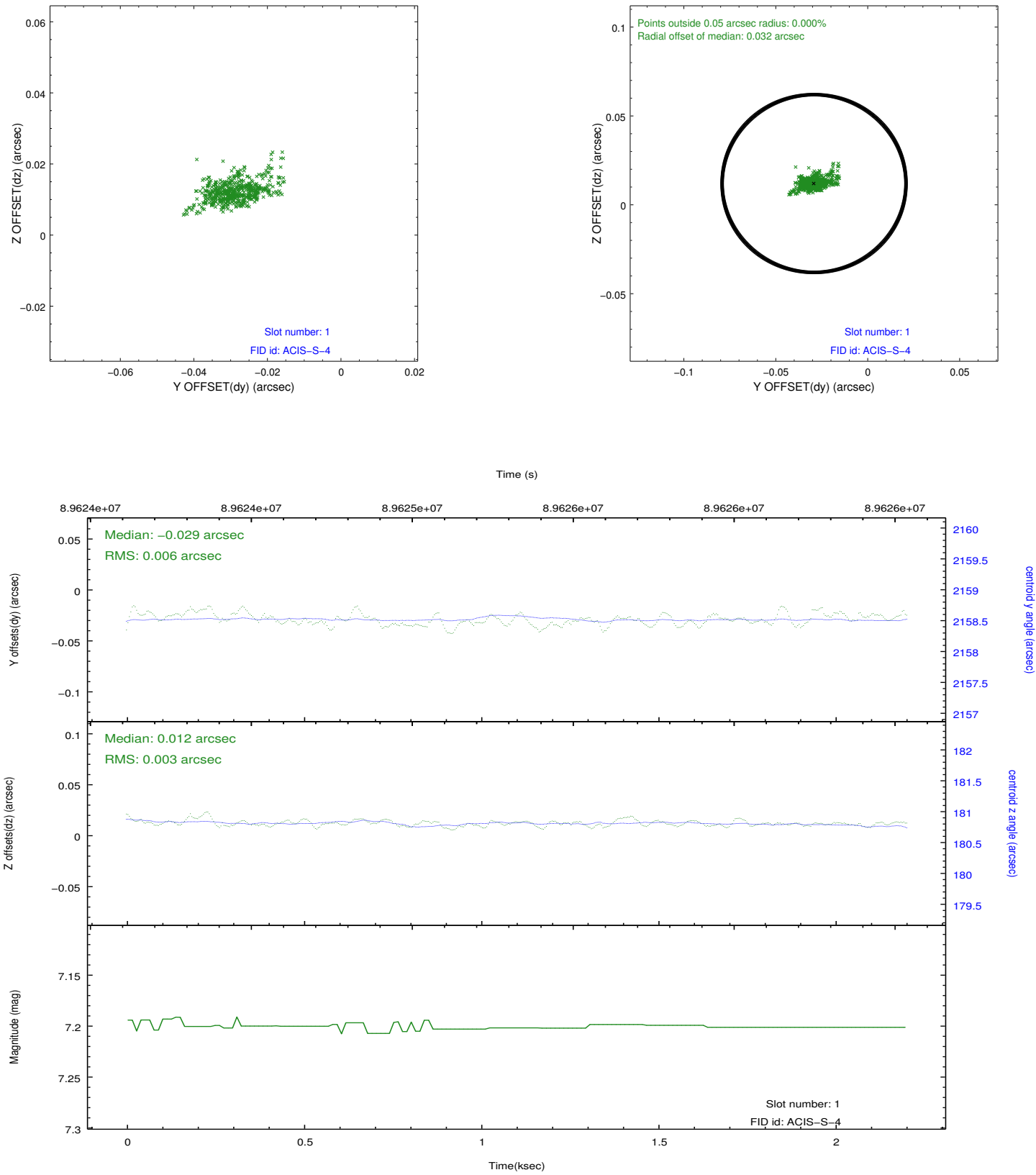


2.5 FID Slots

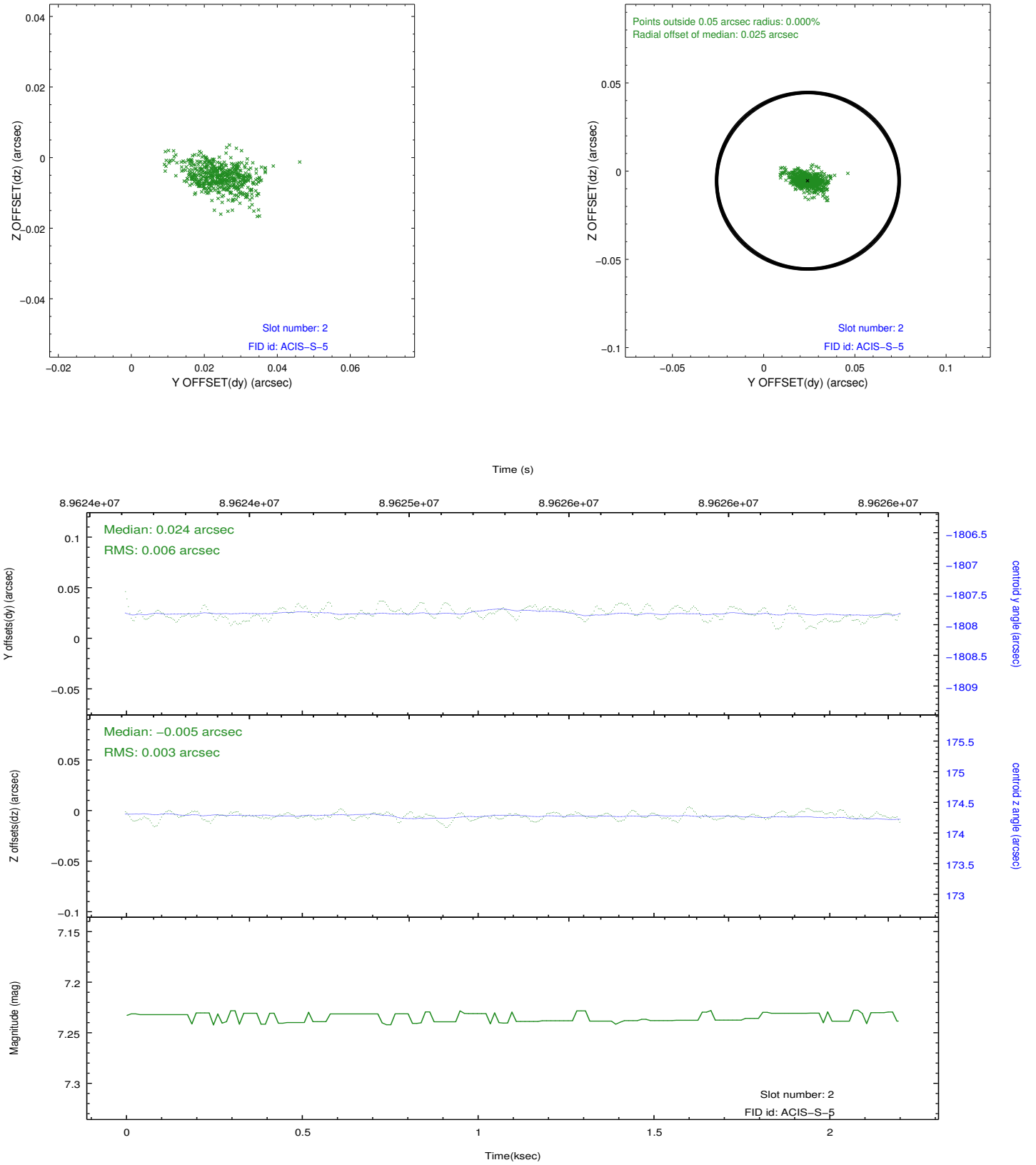
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.756

A.2 Comments

Charge time for this ObsId remains at previous value of 1.756 ks although with the current processing the charge time would have been 1.753 ksec.