

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13638 - L2 Version 1
Chandra X-Ray Center

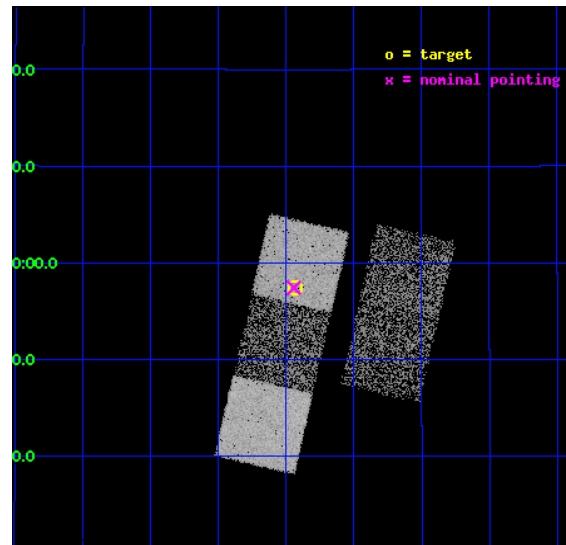
L2 Processing Date : Jan 5 2012

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1 Front

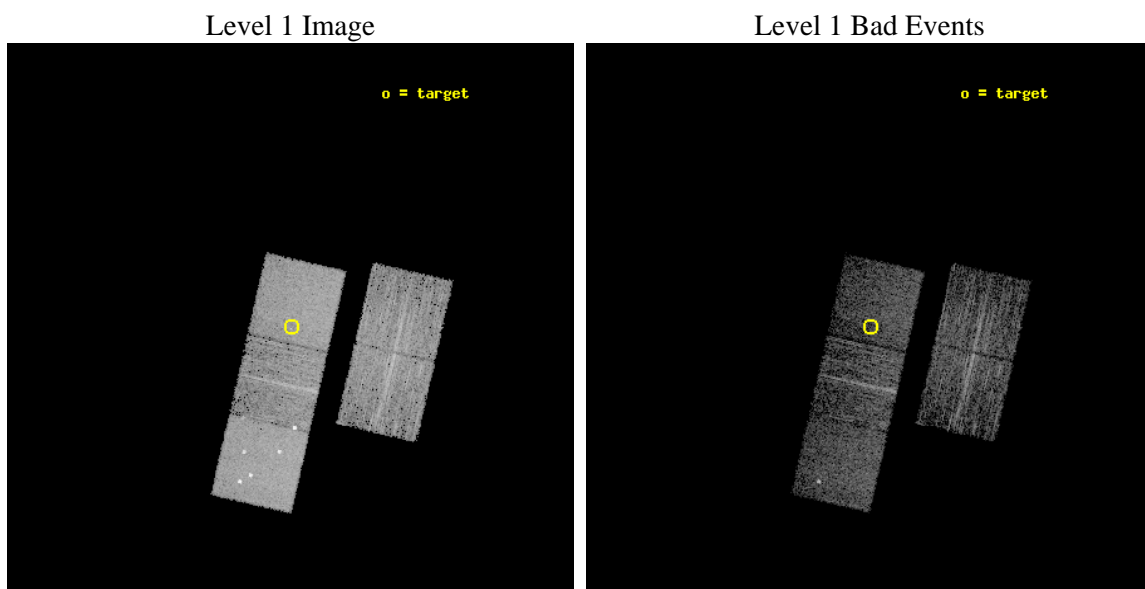
seq_num	200792	Sequence number
obs_id	13638	Observation id
title	LIVING WITH A RED DWARF: MAGNETIC ACTIVITY, XUV IRRADIANCES OF dM STARS - EXOPLANET ATMOSPHERES AND ENVIRONMENT IMPACTS	Proposal titl
observer	Dr. Edward Guinan	Principal investigator
object	GJ 176	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.7325	Observer's specified target RA [deg]
dec_targ	18.958167	Observer's specified target Dec [deg]
ra_nom	70.735561923793	Nominal RA [deg]
dec_nom	18.957219163226	Nominal Dec [deg]
roll_nom	282.97592052548	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5043.7000387907	Sum of GTIs [s]
livetime	4977.800384666	Livetime [s]
ontime2	5043.7000387907	Sum of GTIs [s]
ontime3	5043.7000387907	Sum of GTIs [s]
ontime5	5043.7000387907	Sum of GTIs [s]
ontime6	5043.7000387907	Sum of GTIs [s]
ontime7	5043.7000387907	Sum of GTIs [s]
l2events	49046	Number of level 2 events



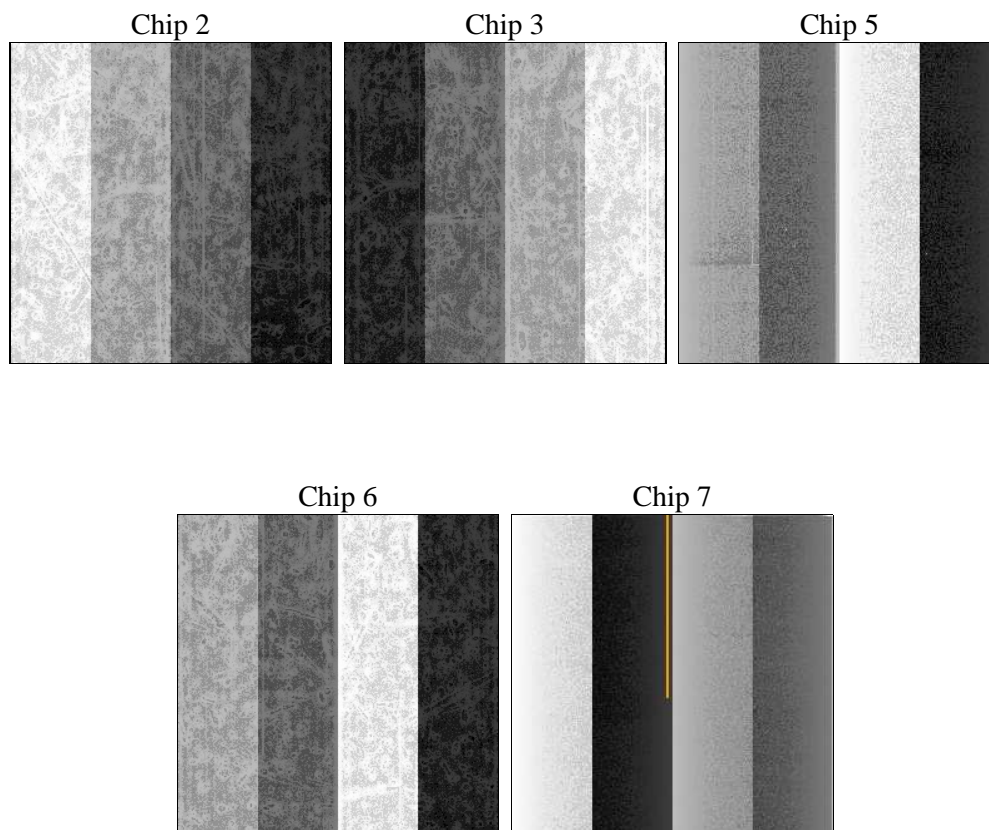
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.456000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5043.7000387907	Sum of GTIs [s]
caldsver	4.4.7	 	ontime2	5043.7000387907	Sum of GTIs [s]
date	2012-01-05T07:19:30	Date and time of file creation	ontime3	5043.7000387907	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	5043.7000387907	Sum of GTIs [s]
			ontime6	5043.7000387907	Sum of GTIs [s]
			ontime7	5043.7000387907	Sum of GTIs [s]
			l1events	183903	Number of level 1 events

2.1.4 Events

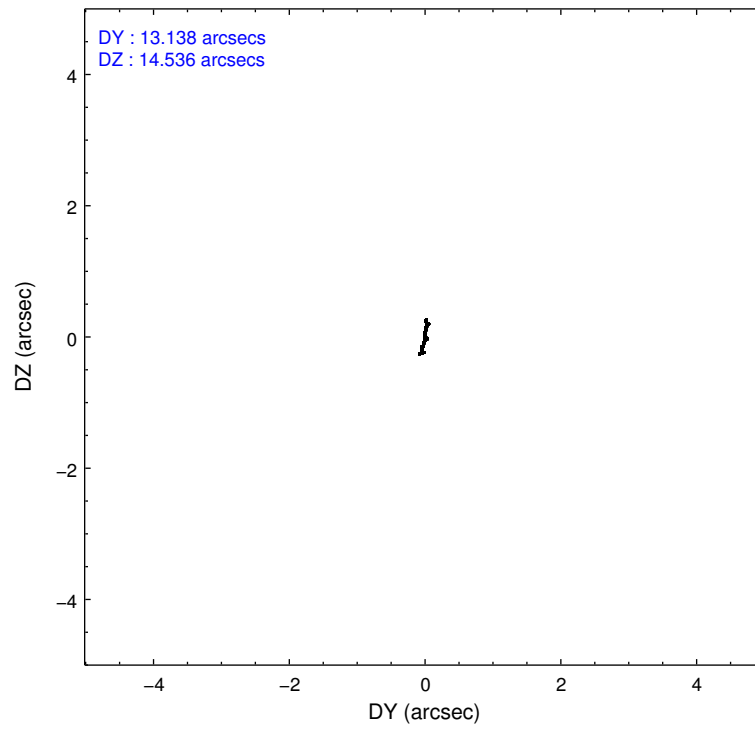
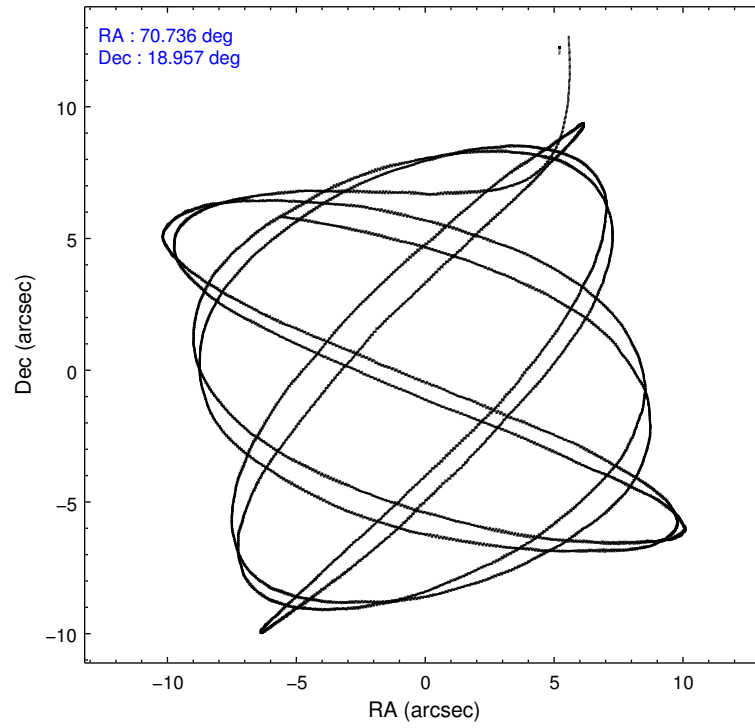
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	30555	29486	51843	31117	40902
rejected events	27264	26224	25025	26066	22848
rejected %	89%	88%	48%	83%	55%

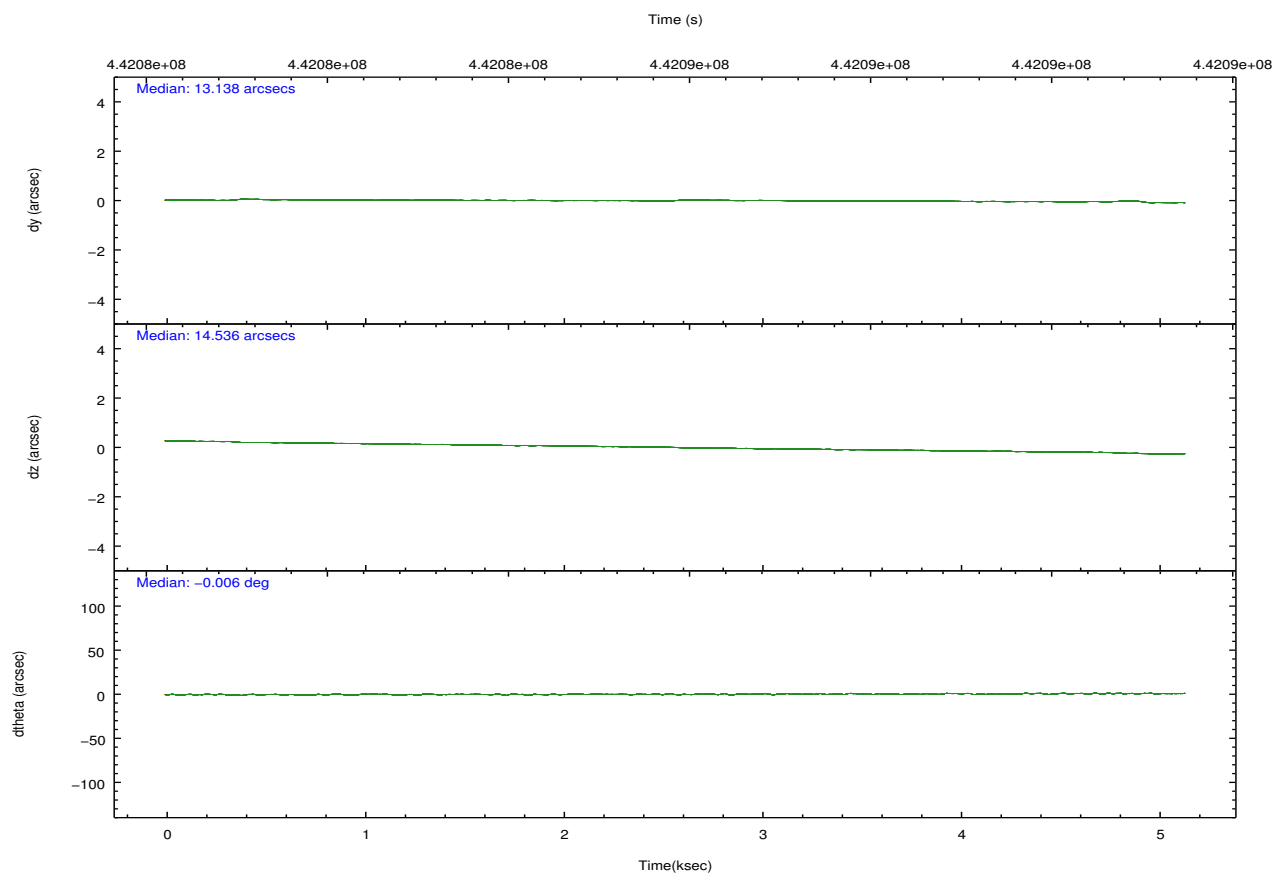
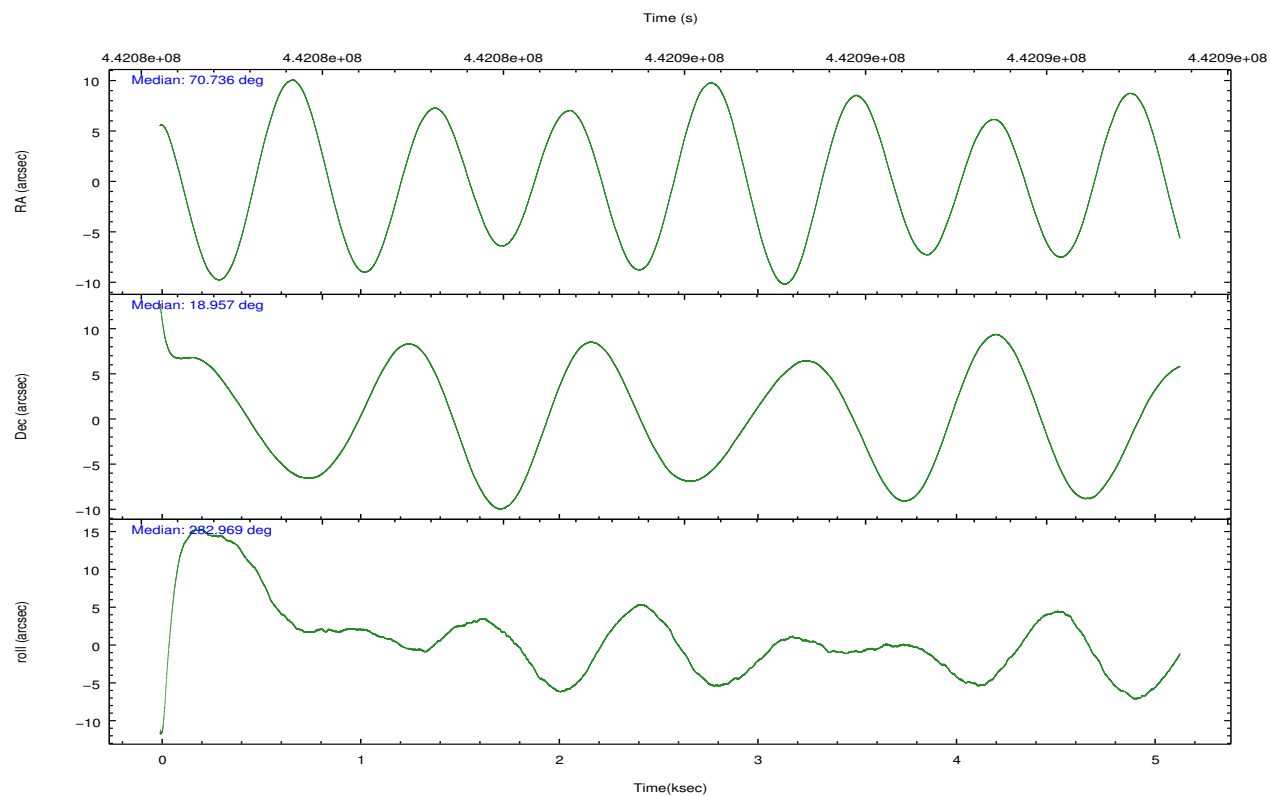
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1144	1158	4311	2755	1612
	3%	3%	8%	8%	3%
grade 1 events	19	21	73	27	59
	0%	0%	0%	0%	0%
grade 2 events	793	746	7799	769	3622
	2%	2%	15%	2%	8%
grade 3 events	332	341	888	364	1567
	1%	1%	1%	1%	3%
grade 4 events	369	368	805	384	1570
	1%	1%	1%	1%	3%
grade 5 events	1259	1482	3682	1517	4248
	4%	5%	7%	4%	10%
grade 6 events	657	651	13053	786	9702
	2%	2%	25%	2%	23%
grade 7 events	25982	24719	21232	24515	18522
	85%	83%	40%	78%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	70.715517	70.73556192379297	Subarray requested	NONE	NONE
[deg] Pointing Dec	18.976903	18.95721916322628	Alternating exposures requested	N	N
[deg] Pointing Roll	282.825860	282.9759205254774	[s] Primary exposure time	0.000000	3.1
[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)	442083485.184000	442082098.82517			
Observation start date	2012-01-04T16:56:59	2012-01-04T16:34:58			
[s] Observation end time (MET)	442088485.184000	442088712.12552			
Observation end date	2012-01-04T18:20:19	2012-01-04T18:25:12			
Read mode	TIMED	TIMED			

2.3 Aspect



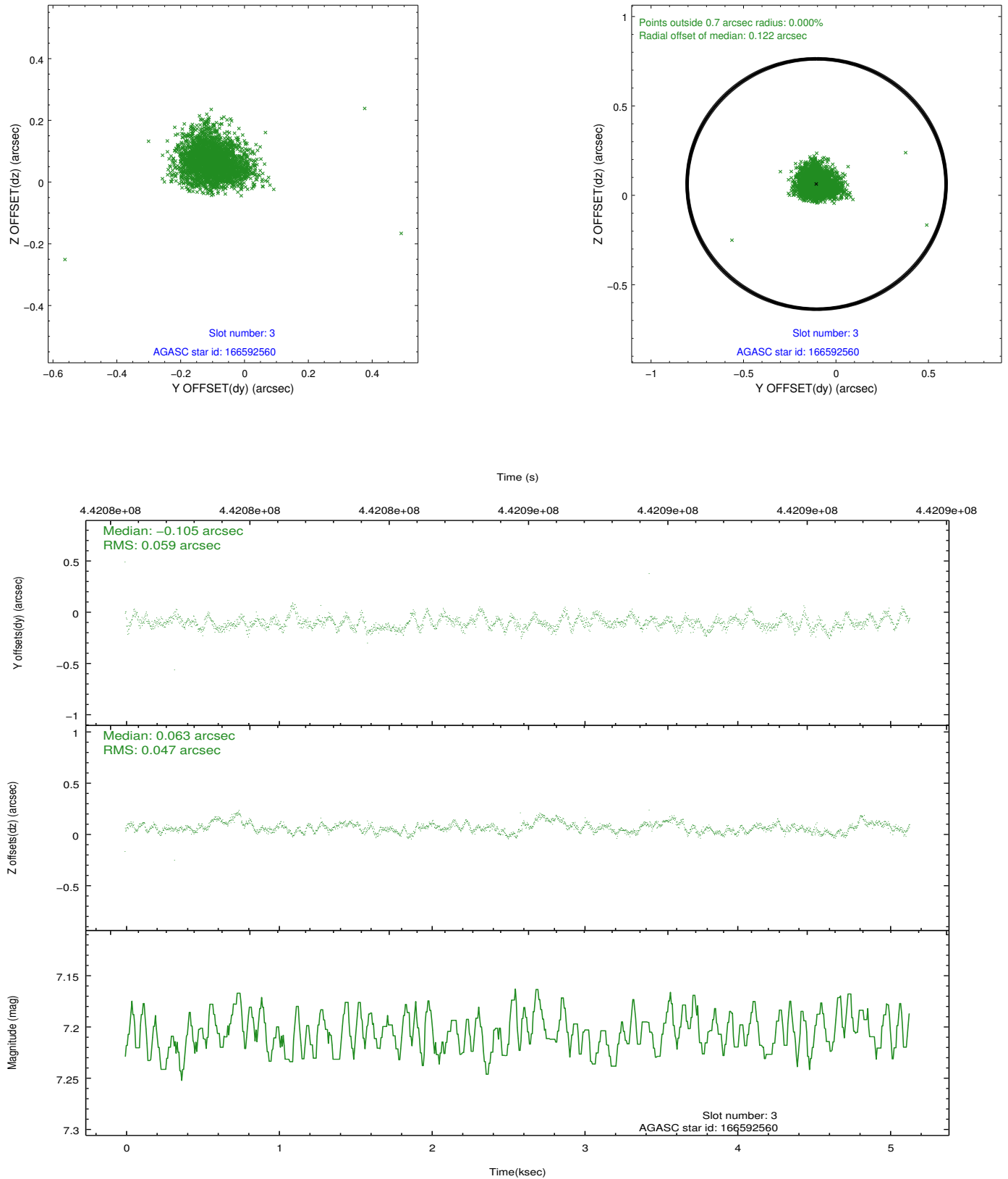


Slot Statistics

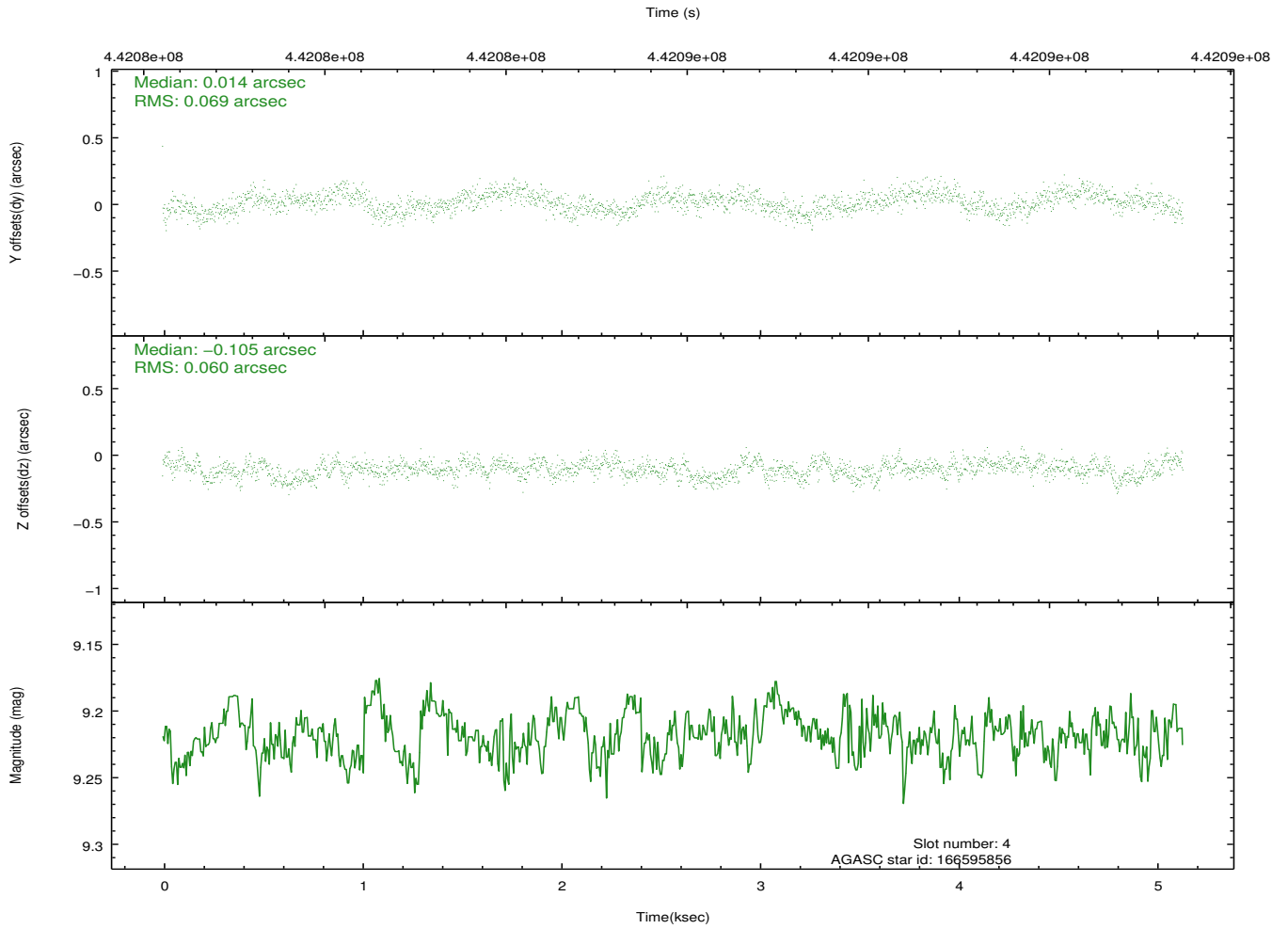
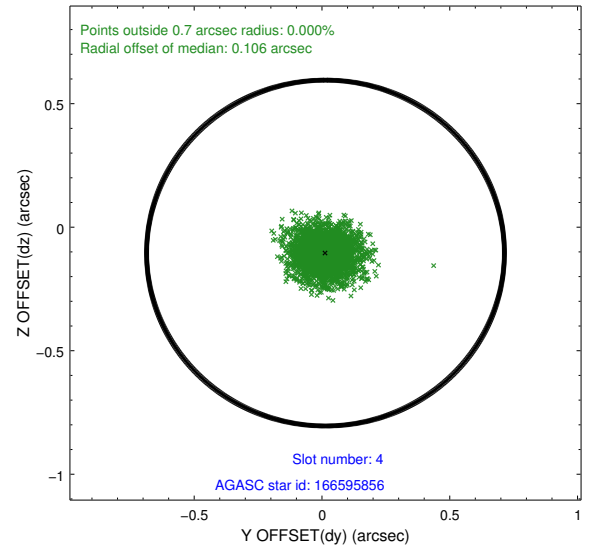
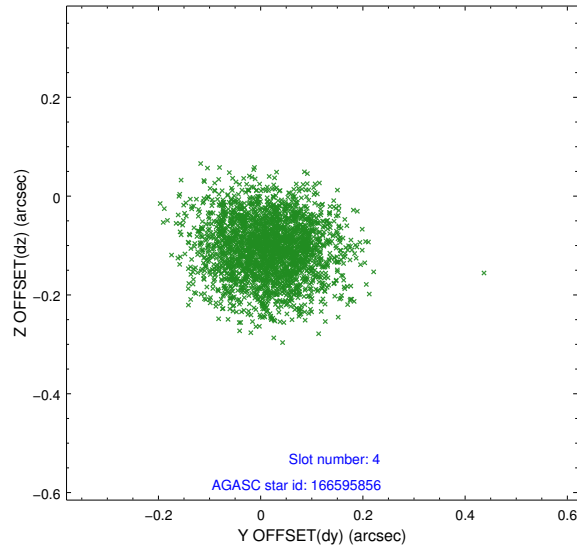
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.02	1252	0.048	0.001	0.008	0.015	0.000000	0.000000	930.04	-1731.48
1	FID	ACIS-S-4	7.01	1253	0.140	-0.019	0.008	0.014	0.000000	0.000000	2148.18	171.45
2	FID	ACIS-S-5	7.04	1253	-0.216	0.031	0.006	0.013	0.000000	0.000000	-1817.60	166.41
3	GUIDE	166592560	7.21	2506	-0.105	0.063	0.077	0.126	70.715443	18.720435	902.05	-204.14
4	GUIDE	166595856	9.22	2506	0.014	-0.105	0.097	0.156	71.008413	18.491510	1926.09	587.49
5	GUIDE	166595992	8.95	2488	-0.038	-0.094	0.083	0.135	70.557540	18.346981	2092.53	-1029.41
6	GUIDE	167119624	8.87	2506	-0.082	0.066	0.074	0.124	71.128044	19.593356	-1853.83	1856.62
7	GUIDE	167126616	9.07	2504	0.205	0.062	0.090	0.148	70.032978	19.091113	-920.47	-2171.20

2.4 Star Slots

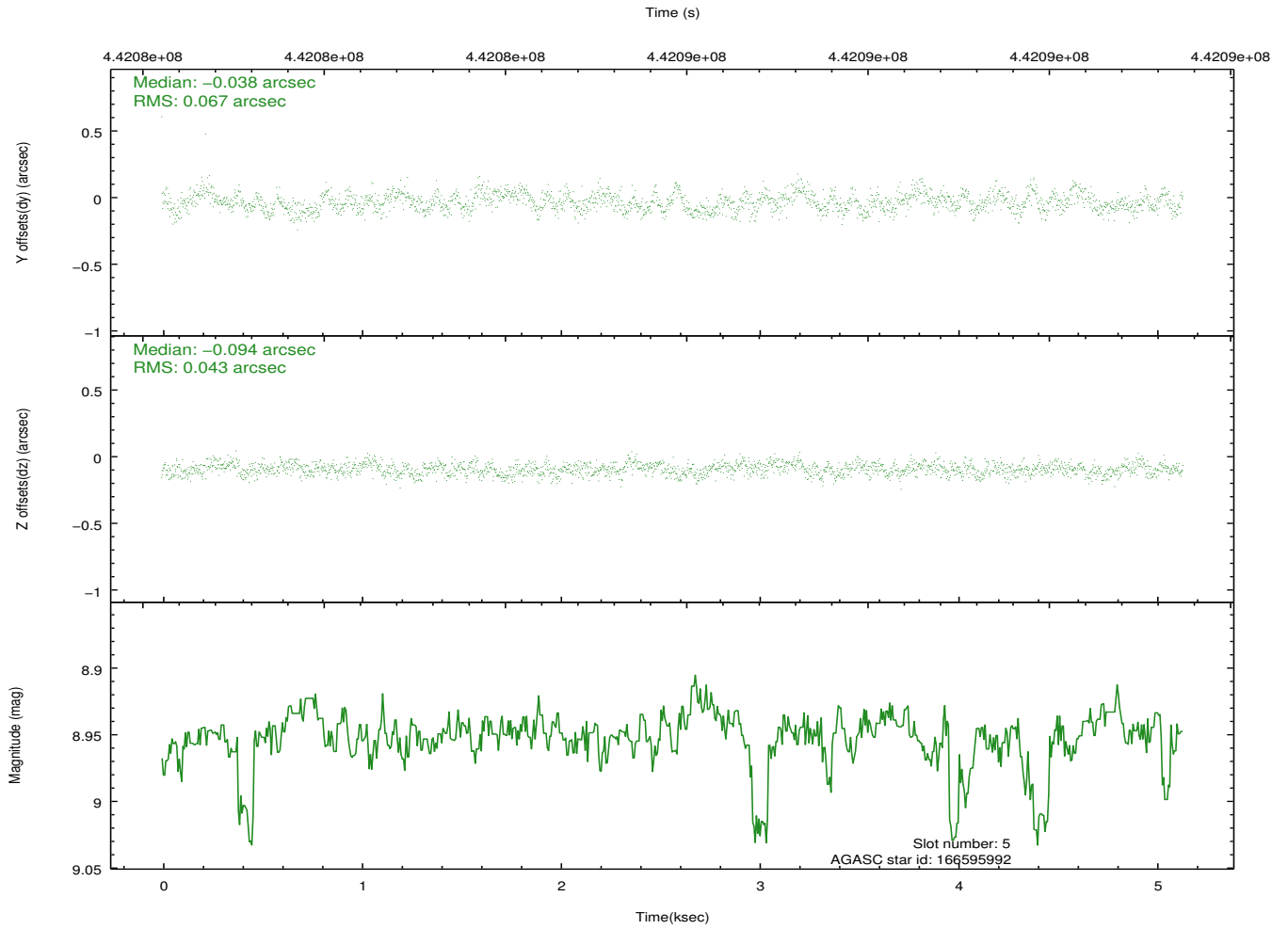
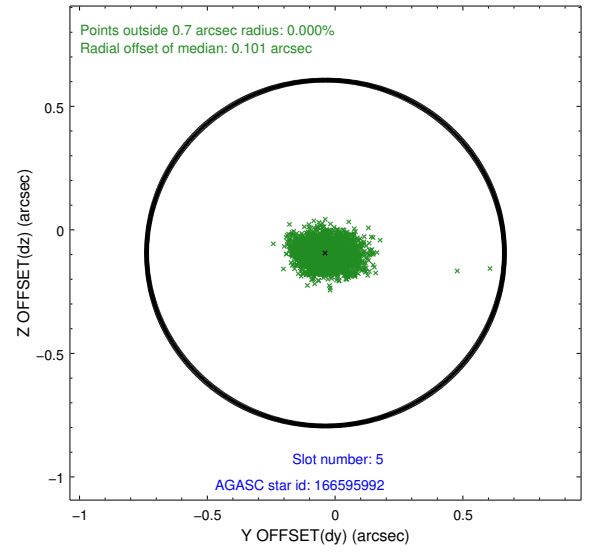
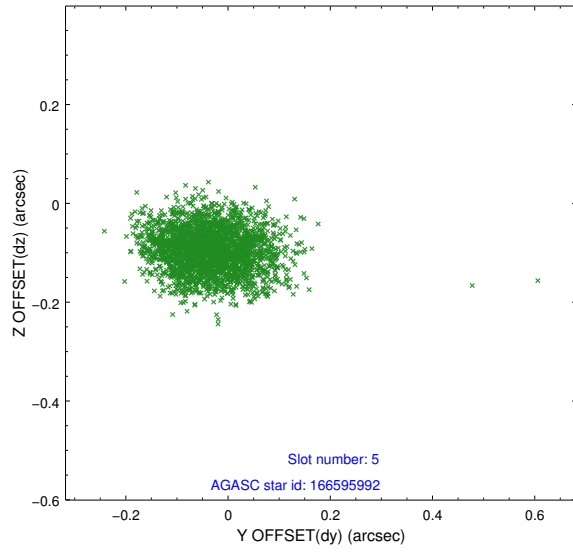
2.4.1 Slot 3



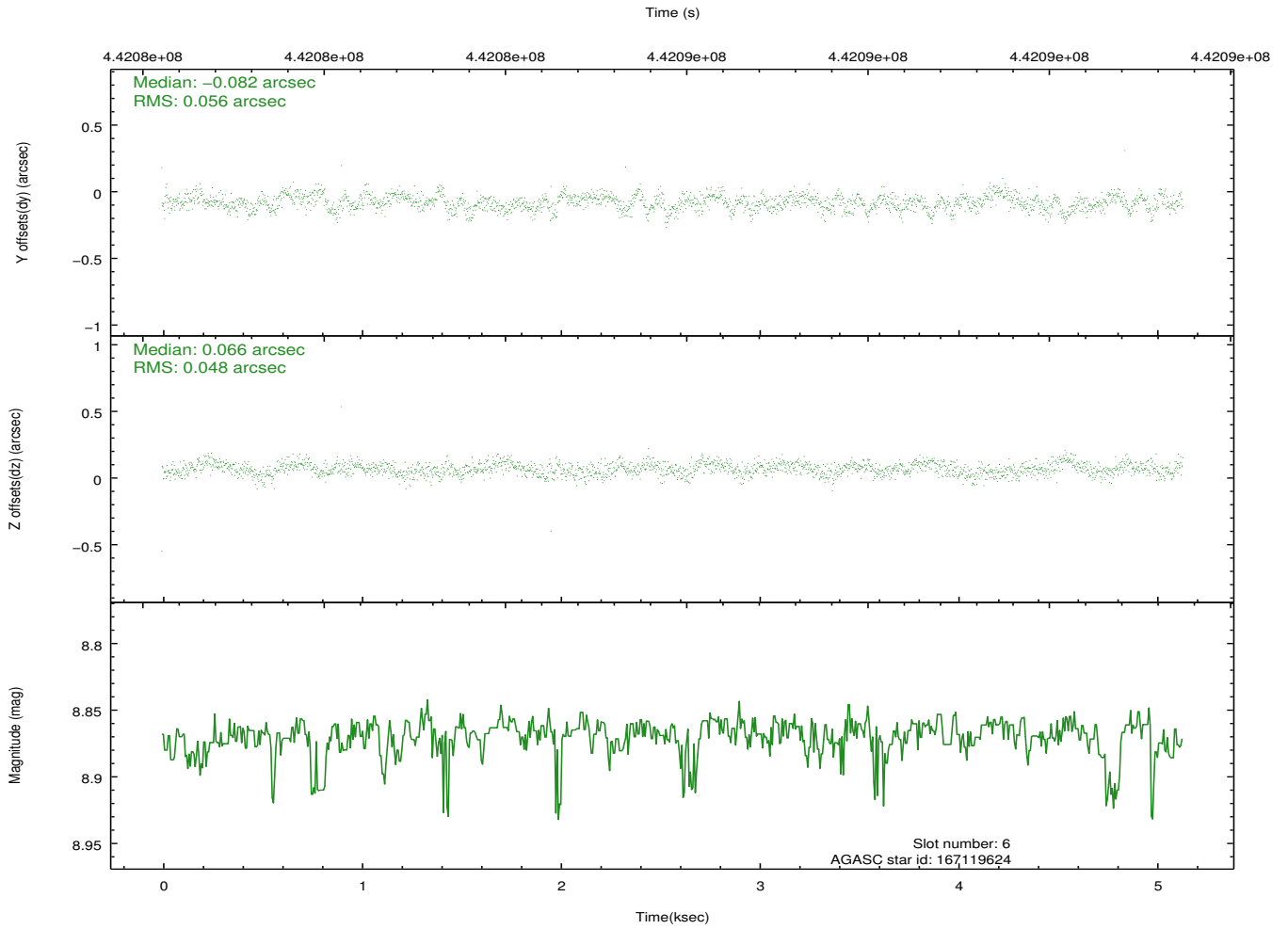
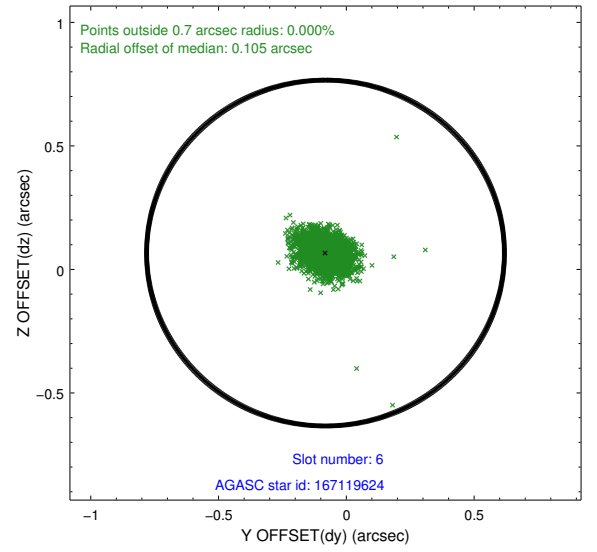
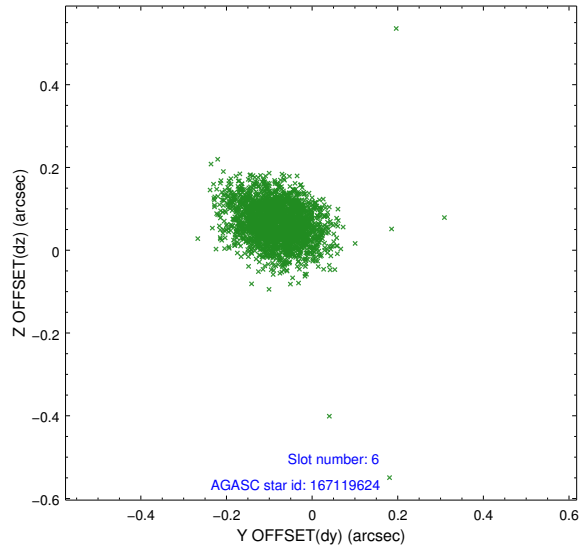
2.4.2 Slot 4



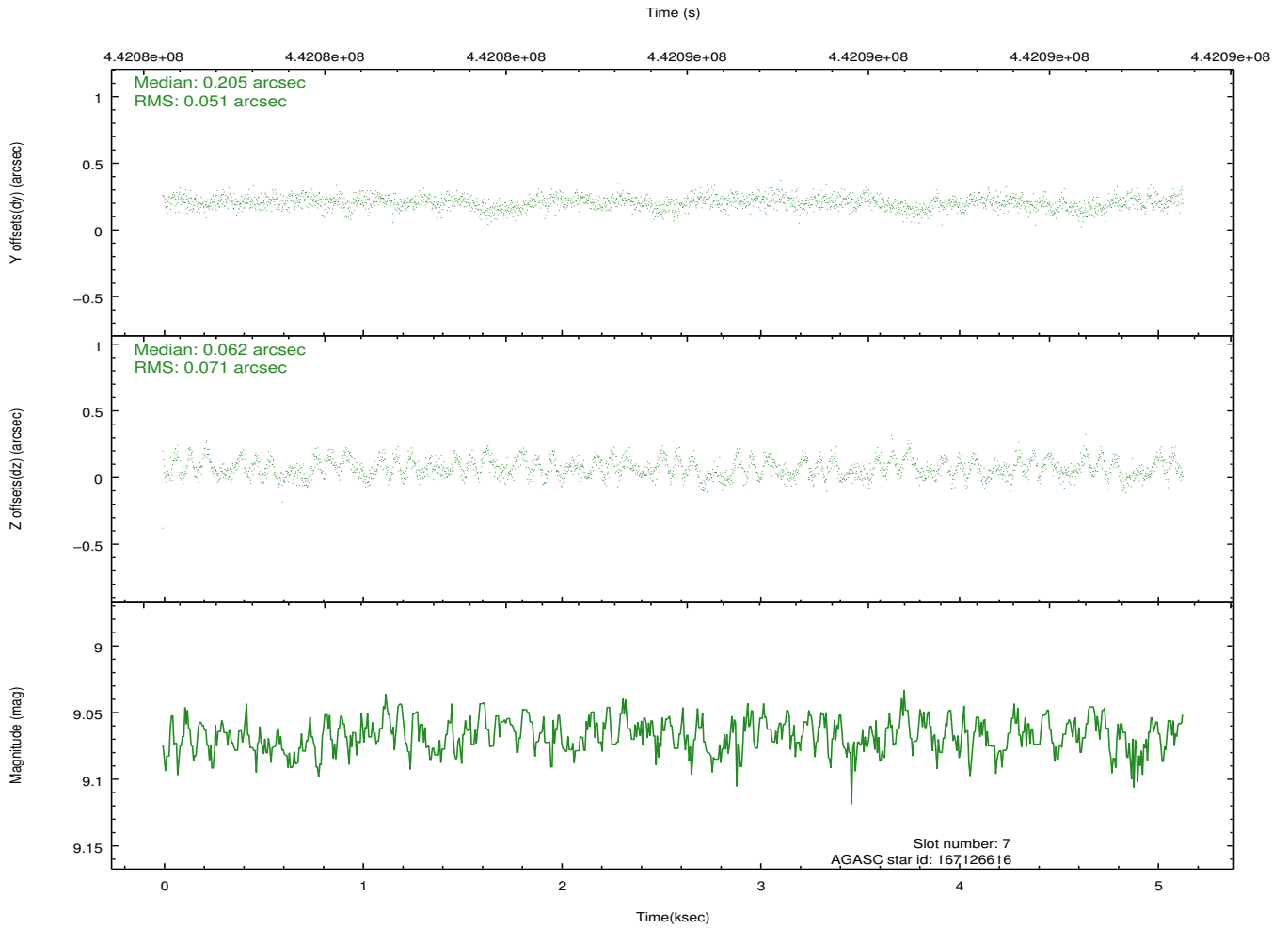
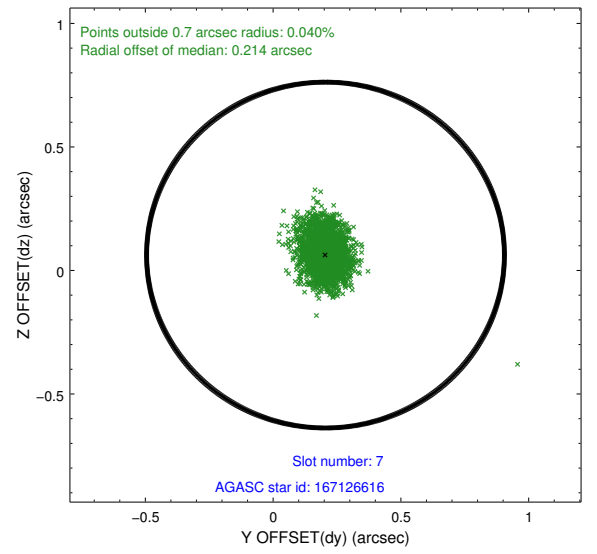
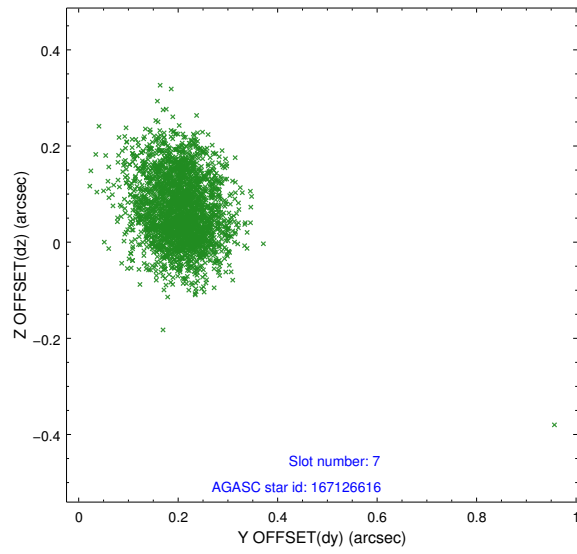
2.4.3 Slot 5



2.4.4 Slot 6

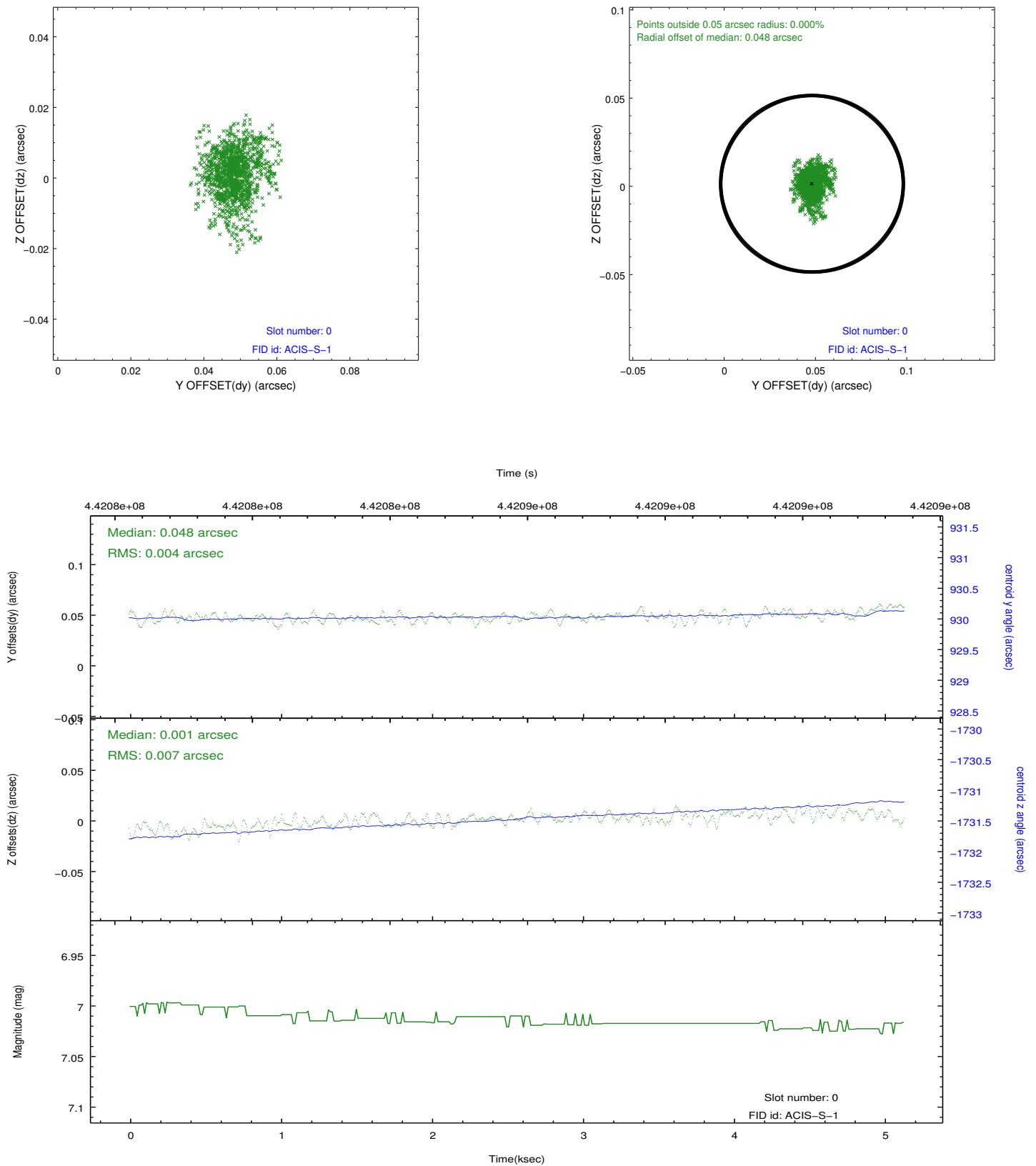


2.4.5 Slot 7

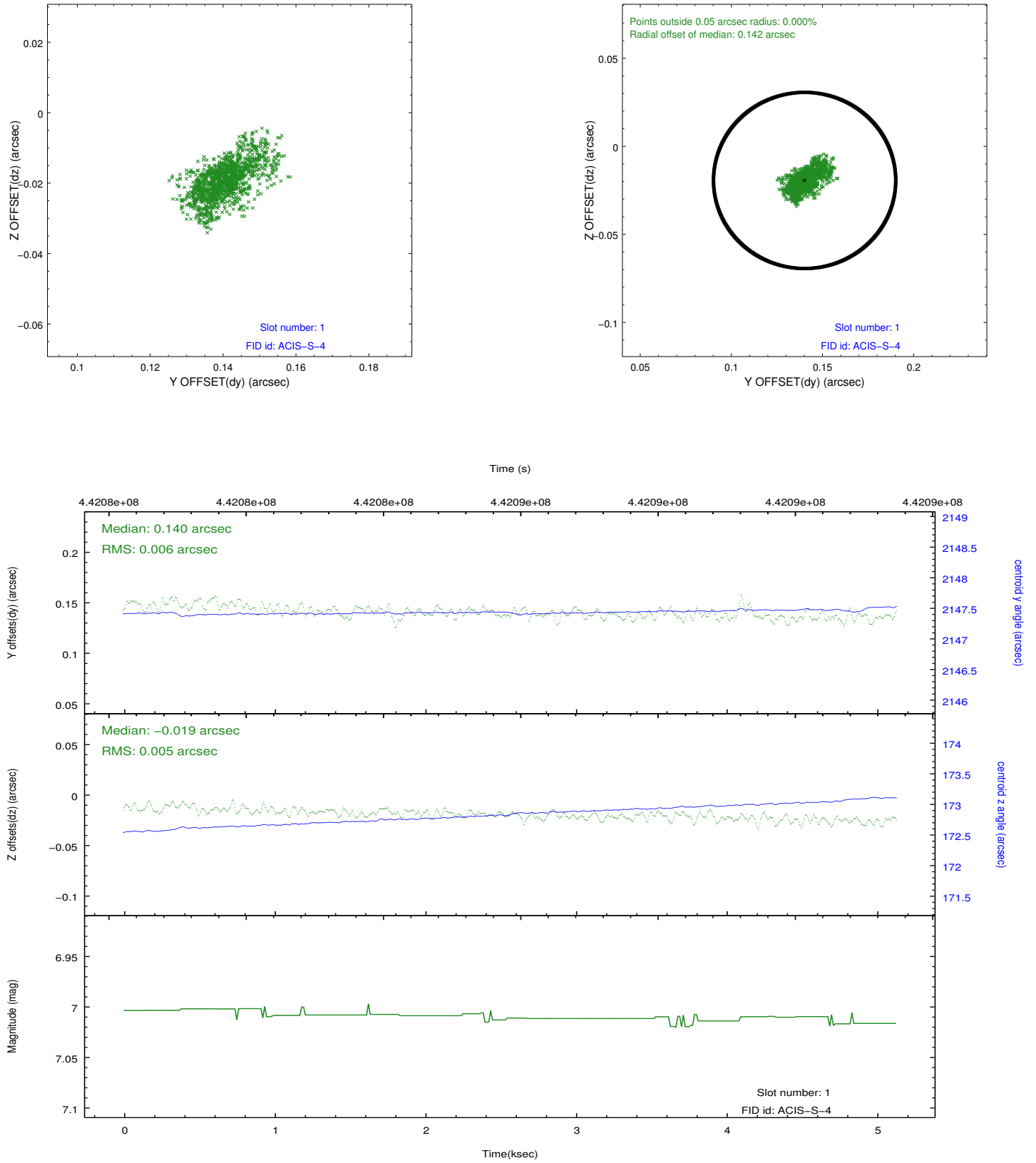


2.5 FID Slots

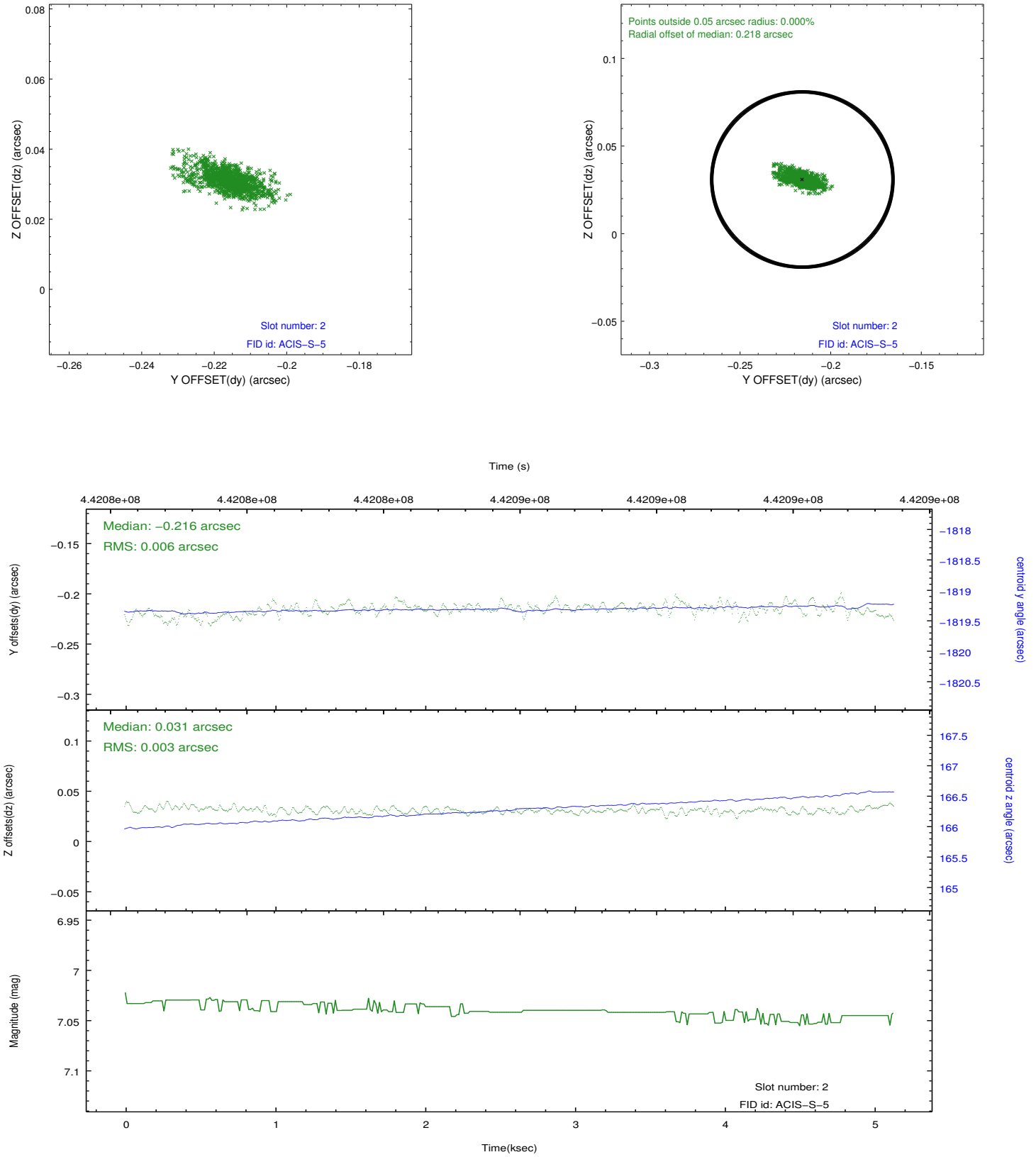
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0437000387907

A.2 Comments