

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 395 - L2 Version 4

Chandra X-Ray Center

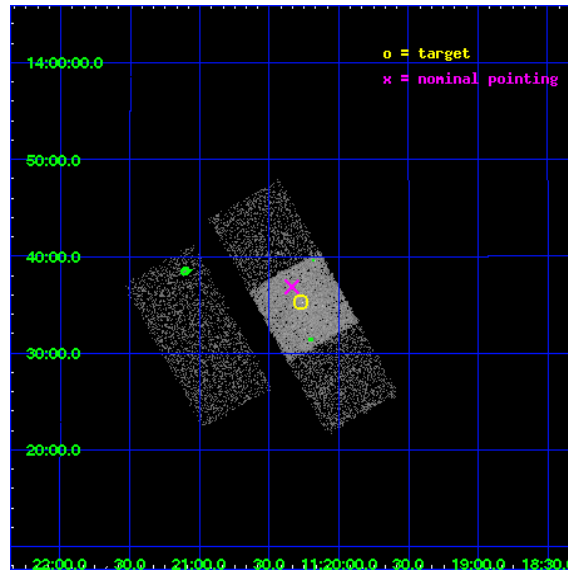
L2 Processing Date : Nov 21 2009

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1 Front

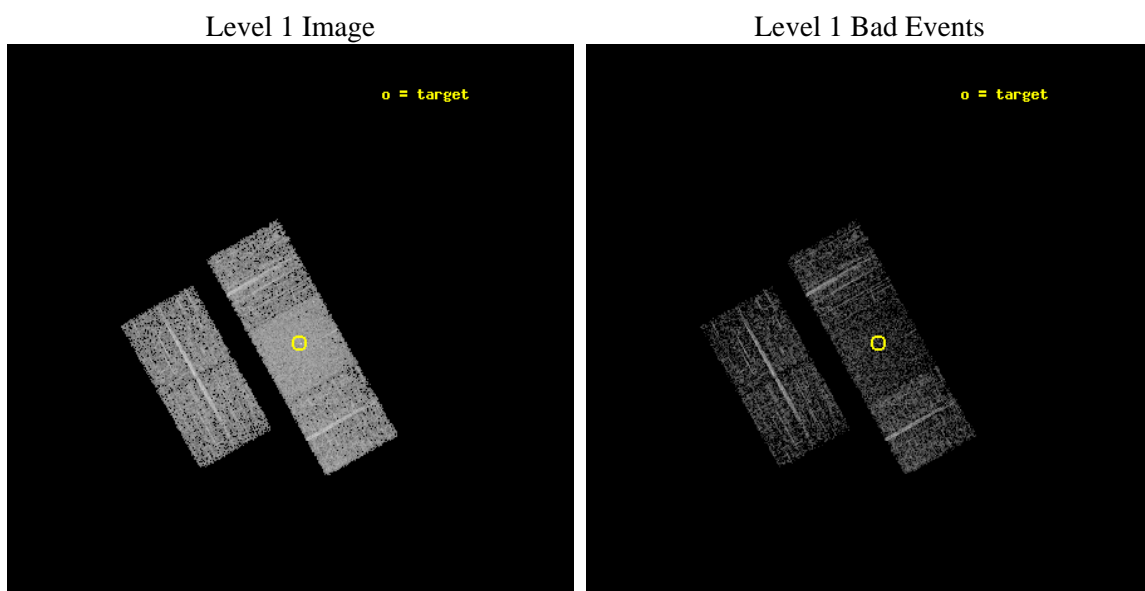
seq_num	700067	Sequence number
obs_id	395	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Prof Gordon Garmire	Principal investigator
object	NGC 3628	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.0675	Observer's specified target RA
dec_targ	13.589444	Observer's specified target Dec
ra_nom	170.08443440156	Nominal RA
dec_nom	13.6144470818	Nominal Dec
roll_nom	60.797225012757	Nominal Roll
revision	4	Processing version of data
ontime	1772.800001651	Sum of GTIs [s]
livetime	1750.3517405781	Livetime [s]
ontime2	1772.800001651	Sum of GTIs [s]
ontime3	1772.800001651	Sum of GTIs [s]
ontime6	1772.800001651	Sum of GTIs [s]
ontime7	1772.800001651	Sum of GTIs [s]
ontime8	1772.800001651	Sum of GTIs [s]
l2events	20354	Number of level 2 events



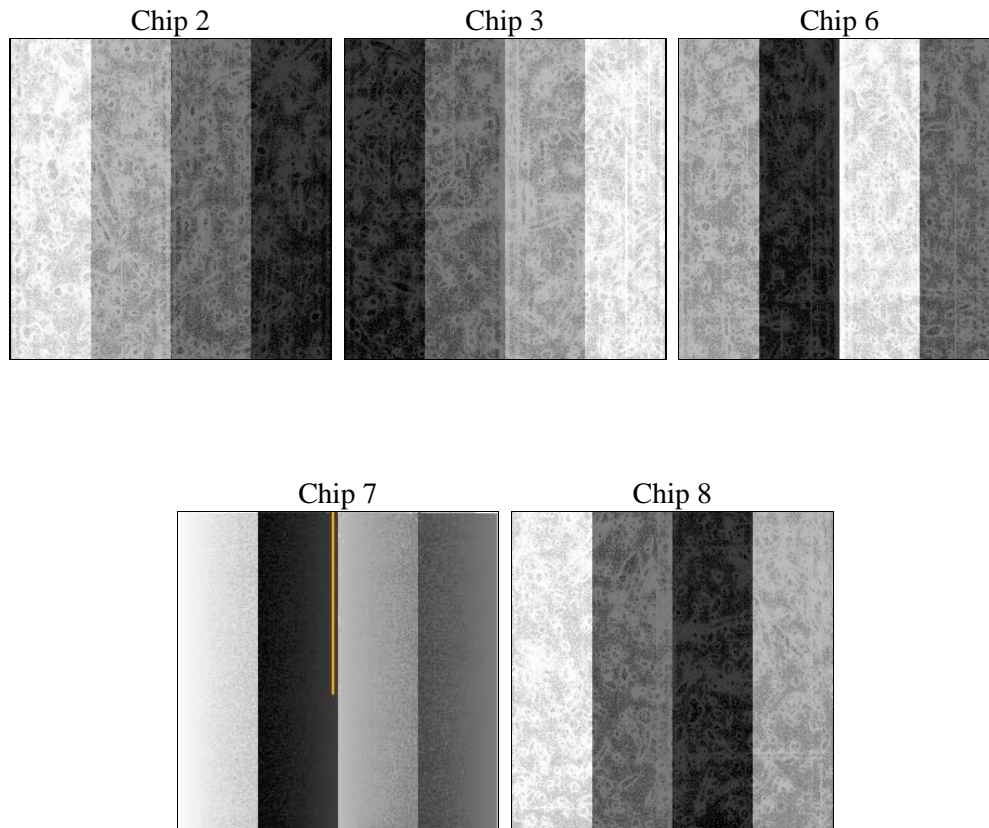
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	1772.800001651	Sum of GTIs [s]
caldsver	4.1.4	 	ontime2	1772.800001651	Sum of GTIs [s]
date	2009-11-21T09:48:46	Date and time of file creation	ontime3	1772.800001651	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	1772.800001651	Sum of GTIs [s]
			ontime7	1772.800001651	Sum of GTIs [s]
			ontime8	1772.800001651	Sum of GTIs [s]
			l1events	98706	Number of level 1 events

2.1.4 Events

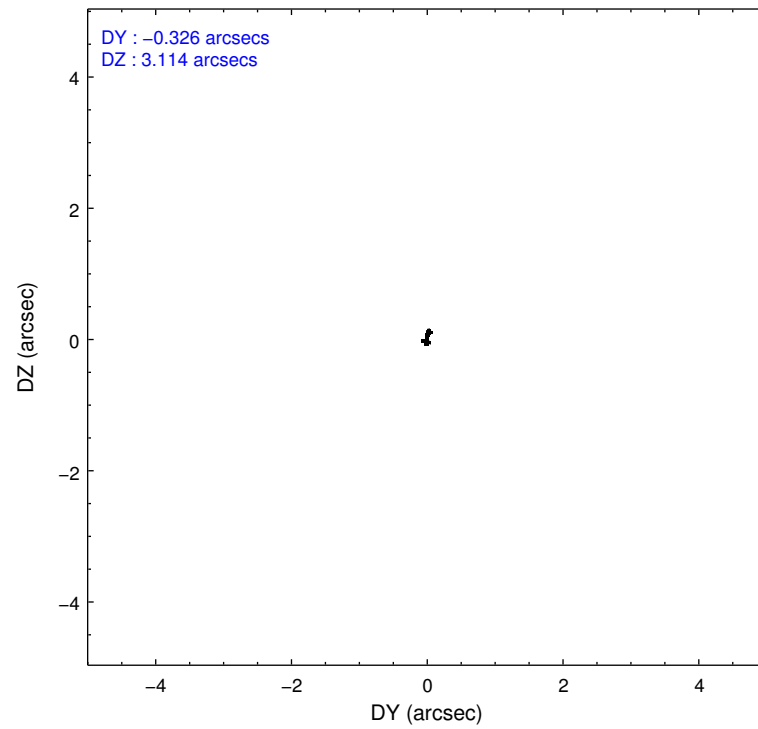
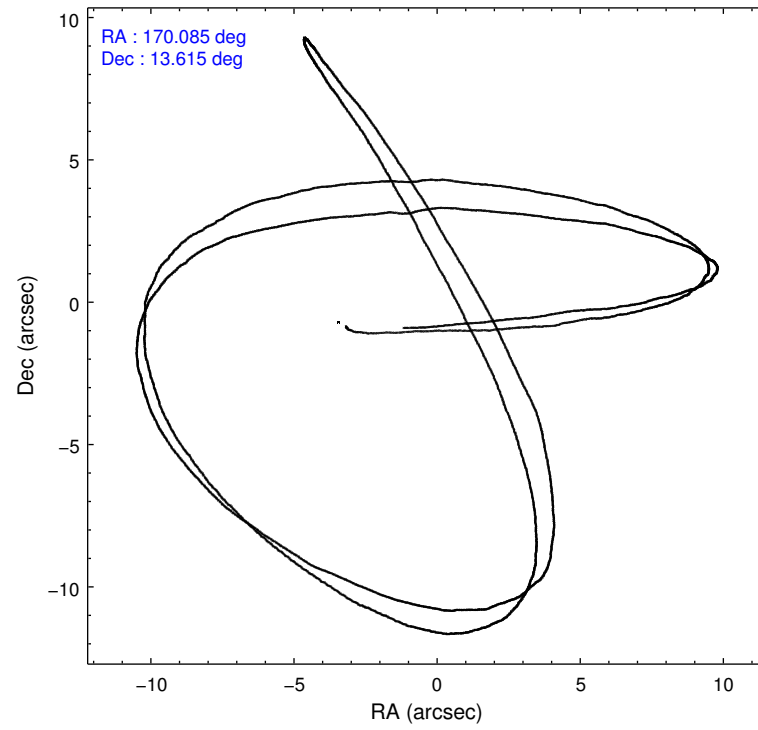
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	16573	17132	17613	25489	21899
rejected events	15033	15565	15943	10996	18745
rejected %	90%	90%	90%	43%	85%

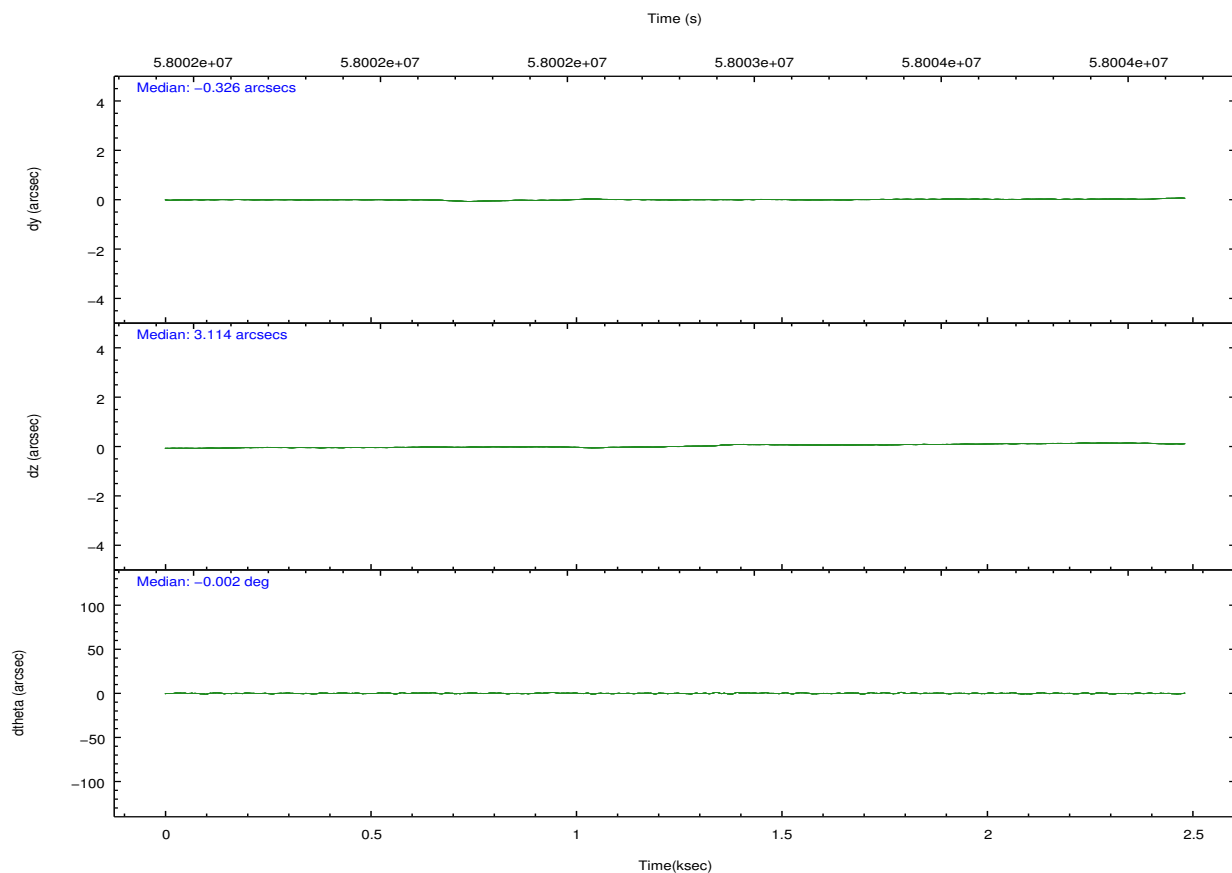
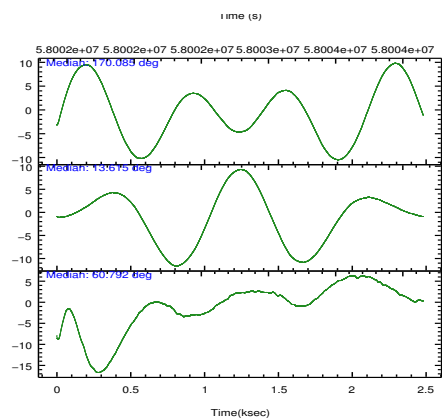
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	416	357	388	1853	767
	2%	2%	2%	7%	3%
grade 1 events	2	6	2	8	10
	0%	0%	0%	0%	0%
grade 2 events	612	622	663	3233	992
	3%	3%	3%	12%	4%
grade 3 events	73	112	101	1121	273
	0%	0%	0%	4%	1%
grade 4 events	90	98	92	1026	244
	0%	0%	0%	4%	1%
grade 5 events	242	299	341	1137	373
	1%	1%	1%	4%	1%
grade 6 events	355	383	433	7287	894
	2%	2%	2%	28%	4%
grade 7 events	14783	15255	15593	9824	18346
	89%	89%	88%	38%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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
Pointing RA	170.084405	170.0844344015562	Subarray requested	NONE	NONE
Pointing Dec	13.586705	13.61444708179991	Alternating exposures requested	N	N
Pointing Roll	60.640610	60.79722501275651	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	58002028.184000	58001081.339474			
Observation start date	1999-11-03T07:39:24	1999-11-03T07:24:41			
Observation end time	58004028.184000	58004275.239589			
Observation end date	1999-11-03T08:12:44	1999-11-03T08:17:55			
Read mode	TIMED	TIMED			

2.3 Aspect



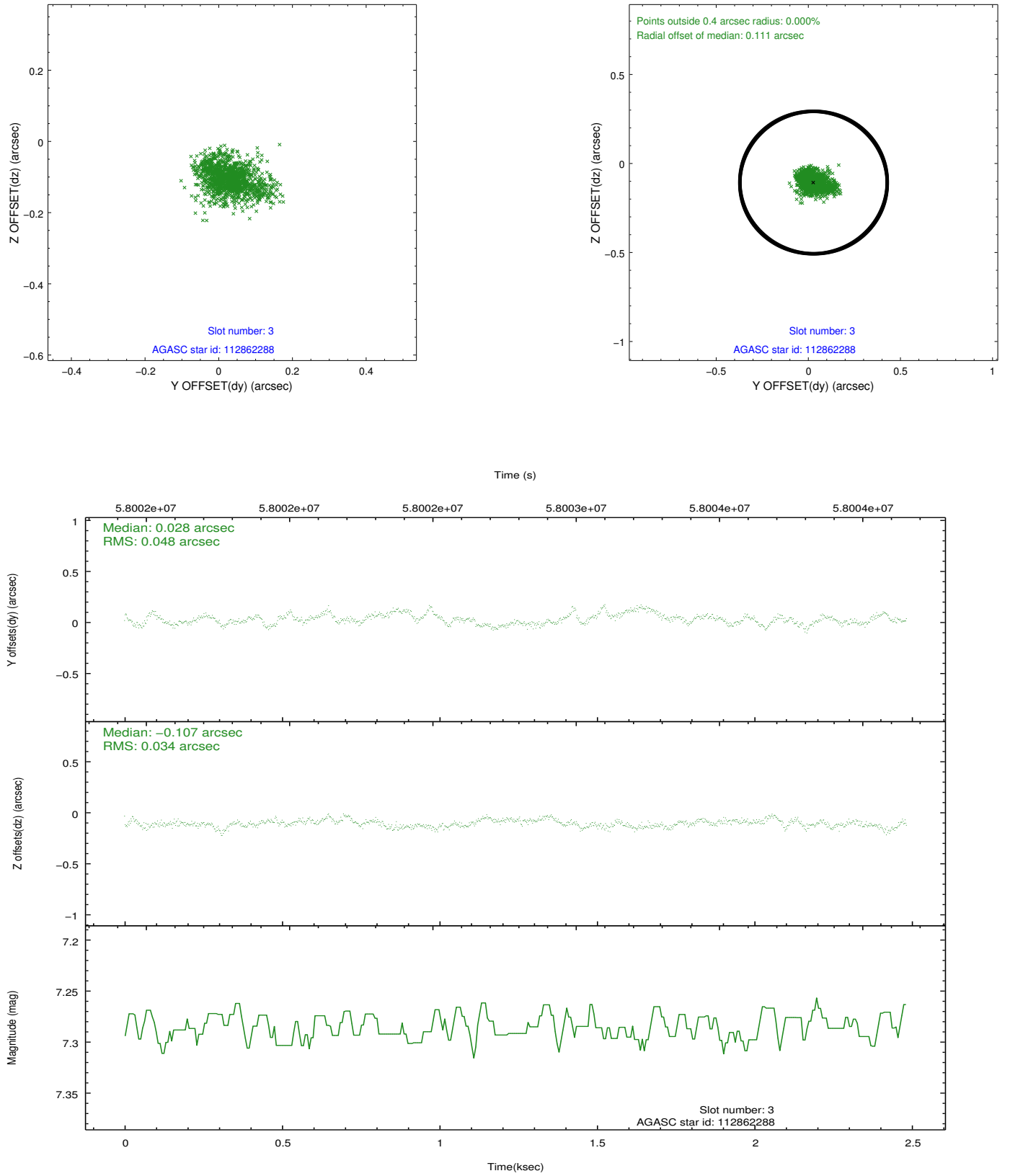


Slot Statistics

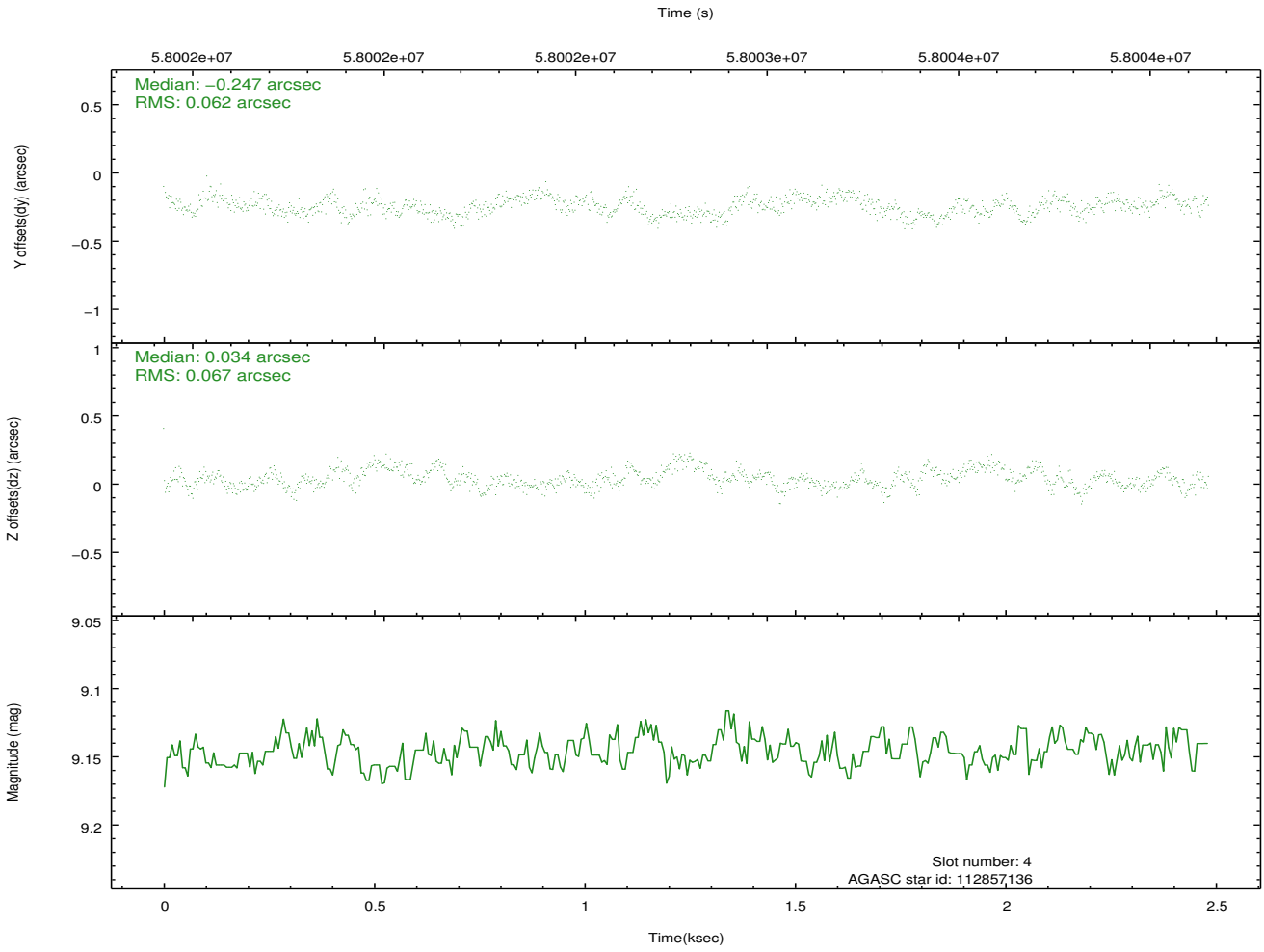
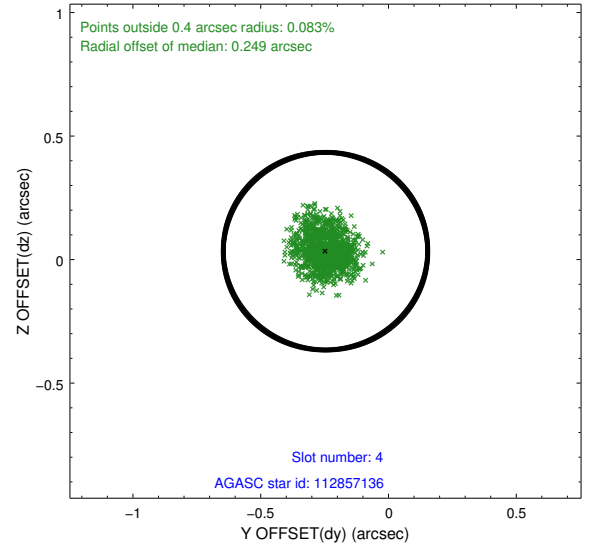
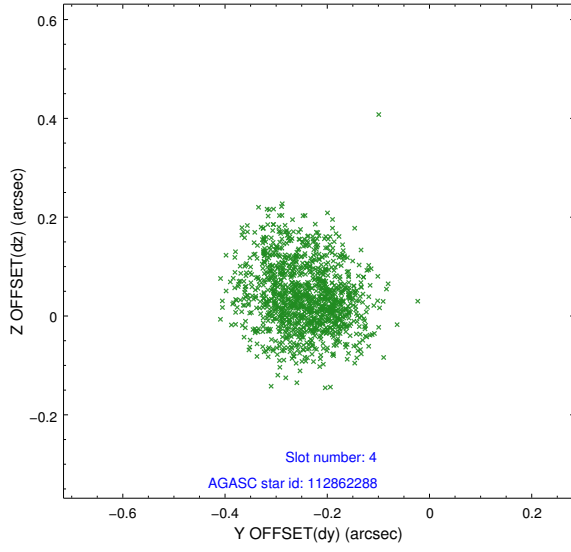
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.35	1211	0.002	-0.035	0.008	0.013	0.000000	0.000000	60.90	-1853.30
1	FID	ACIS-S-4	7.21	1212	0.047	0.017	0.006	0.011	0.000000	0.000000	2161.22	182.84
2	FID	ACIS-S-5	7.24	1212	-0.078	0.028	0.006	0.011	0.000000	0.000000	-1803.56	178.19
3	GUIDE	112862288	7.29	1212	0.028	-0.107	0.063	0.106	169.777560	13.390753	-1142.90	592.25
4	GUIDE	112857136	9.15	1212	-0.247	0.034	0.098	0.152	170.586186	13.944462	1980.80	-893.57
5	GUIDE	112857720	9.38	1212	-0.033	-0.079	0.079	0.128	169.841312	13.775016	174.22	1073.98
6	GUIDE	112862568	9.63	1211	0.326	0.145	0.196	0.271	170.030630	13.021719	-1866.42	-830.61
7	GUIDE	112860632	9.64	1203	-0.061	0.031	0.114	0.190	170.314401	13.695137	731.64	-508.72

2.4 Star Slots

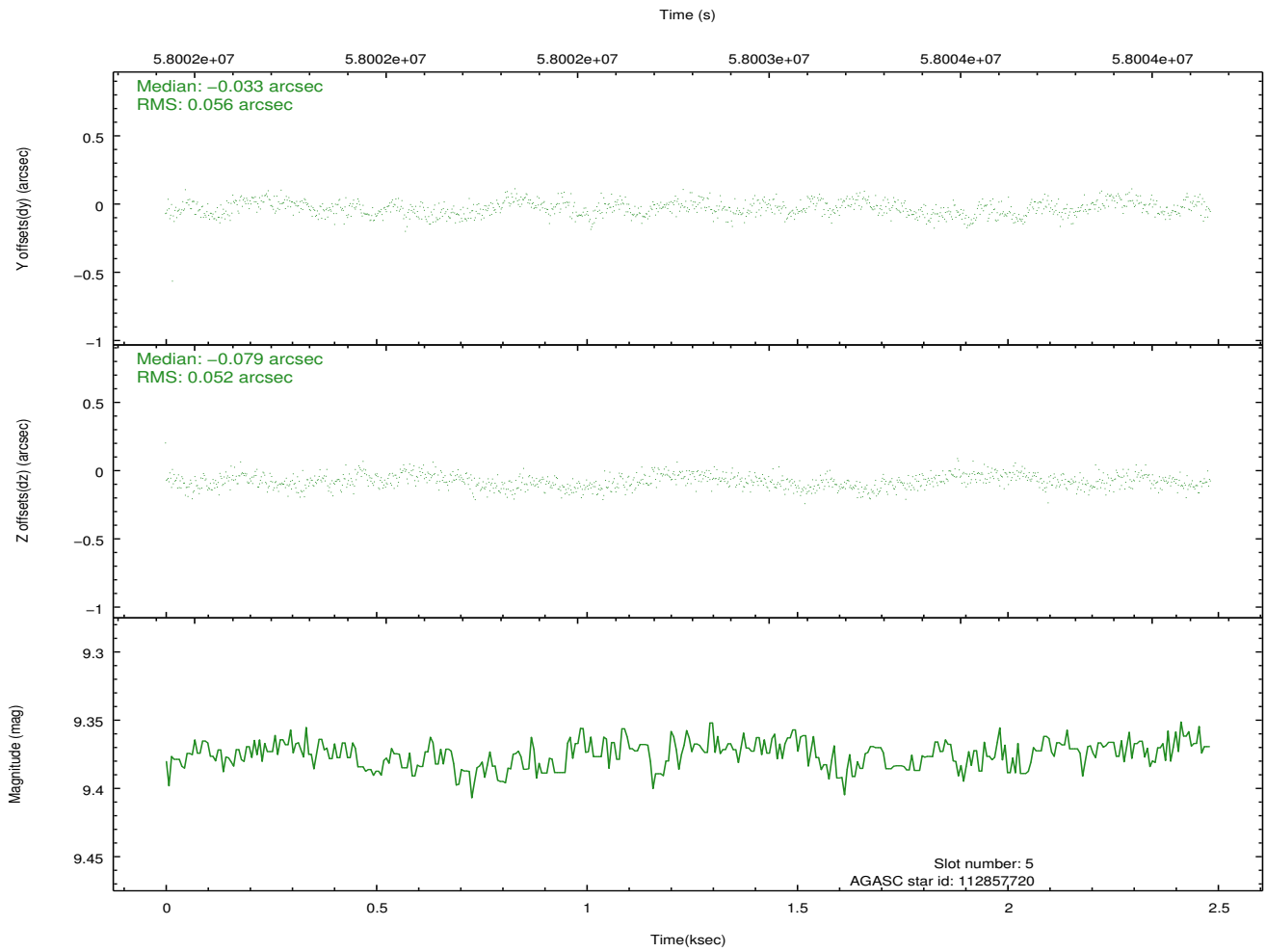
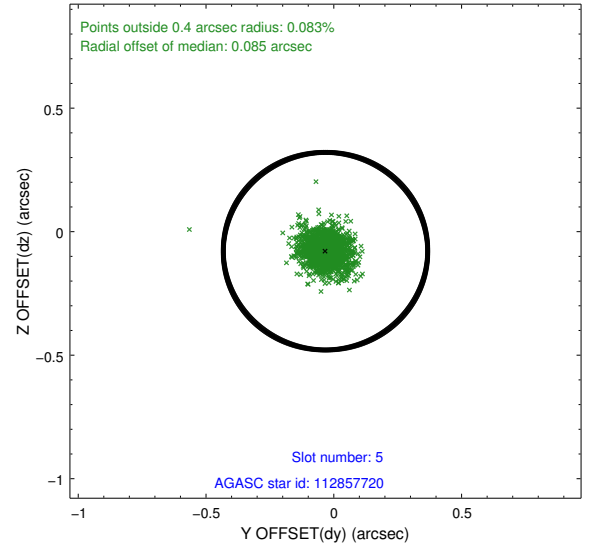
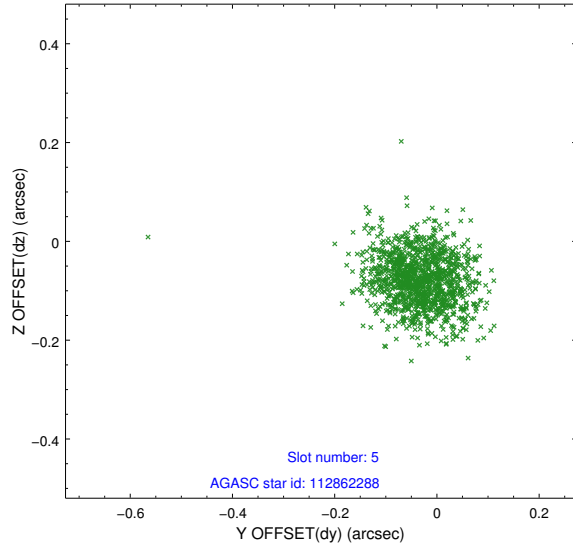
2.4.1 Slot 3



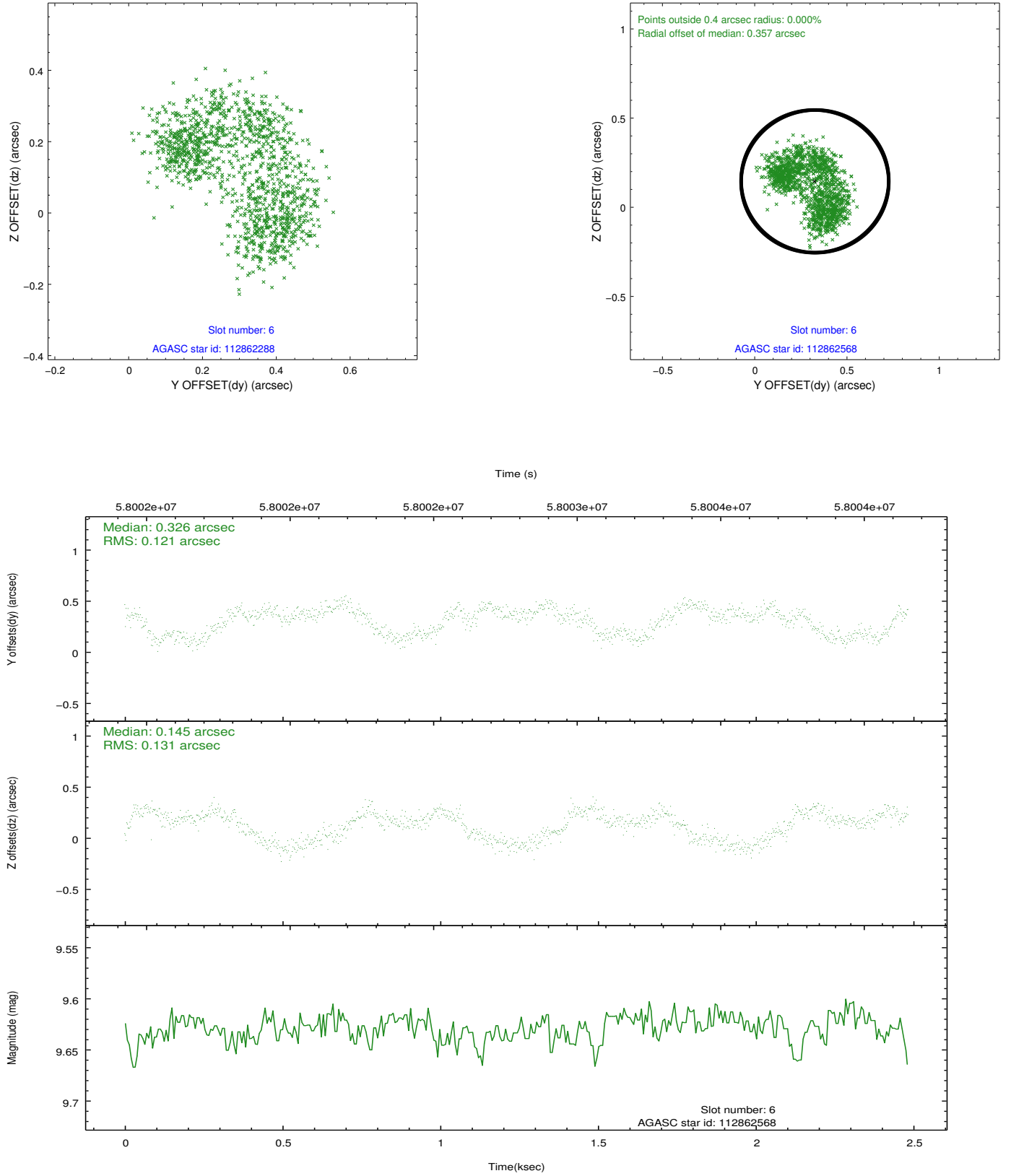
2.4.2 Slot 4



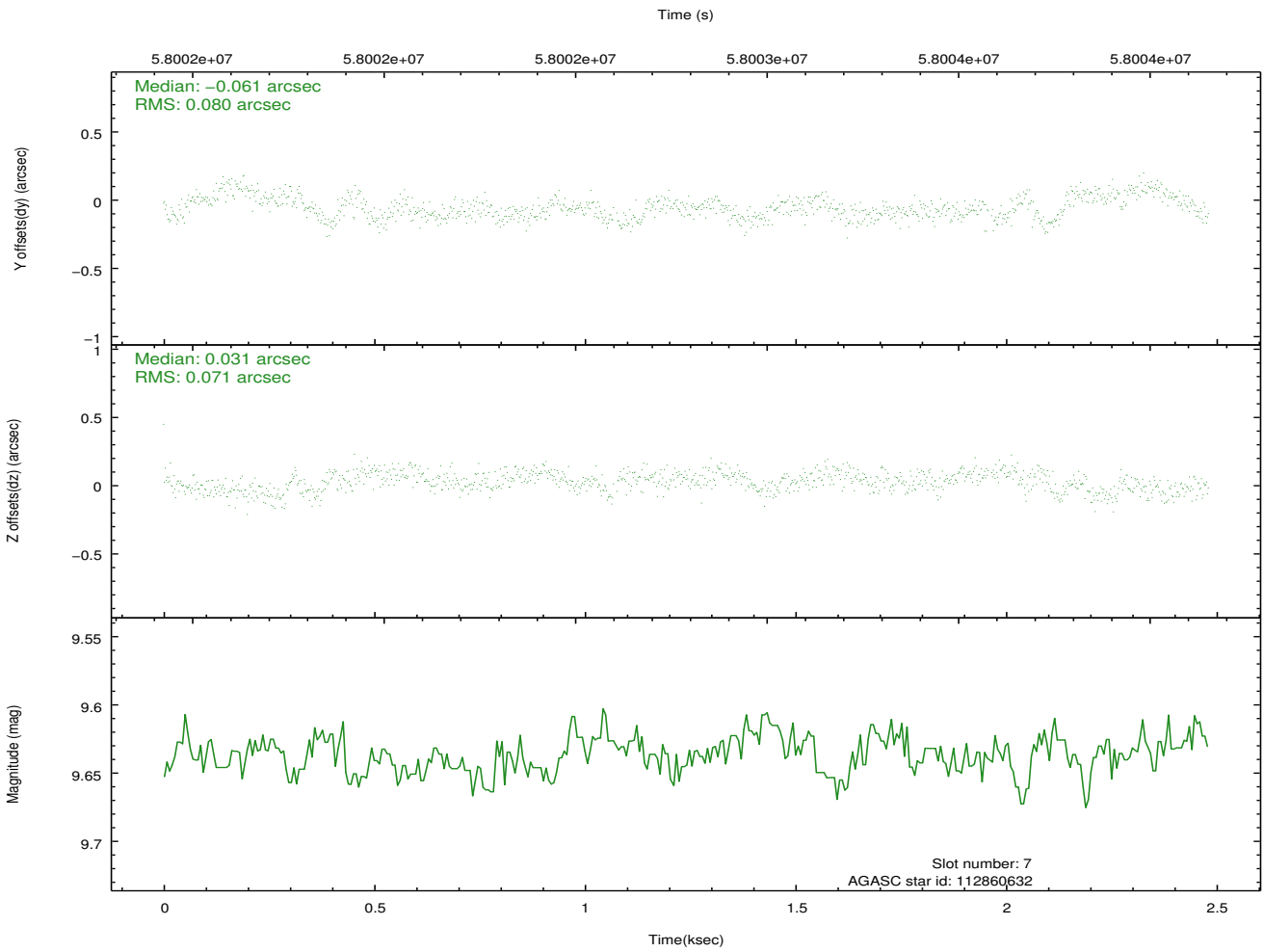
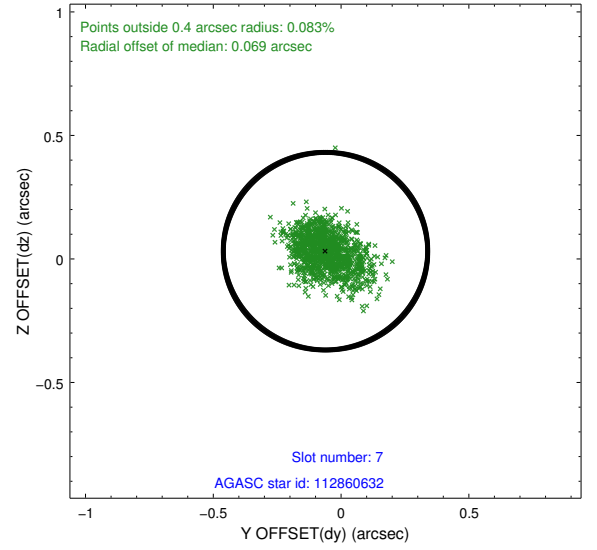
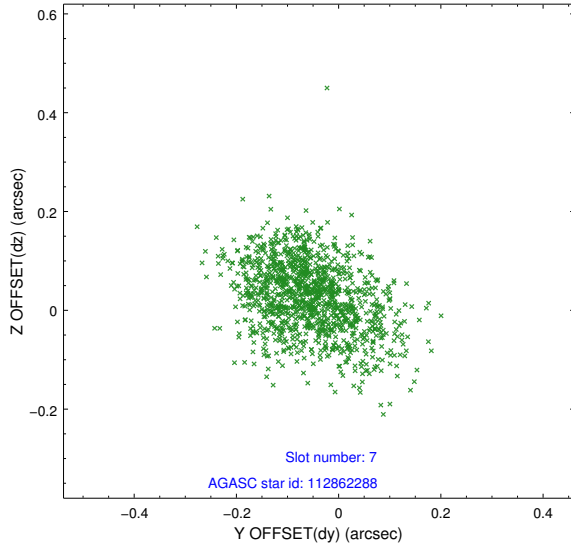
2.4.3 Slot 5



2.4.4 Slot 6

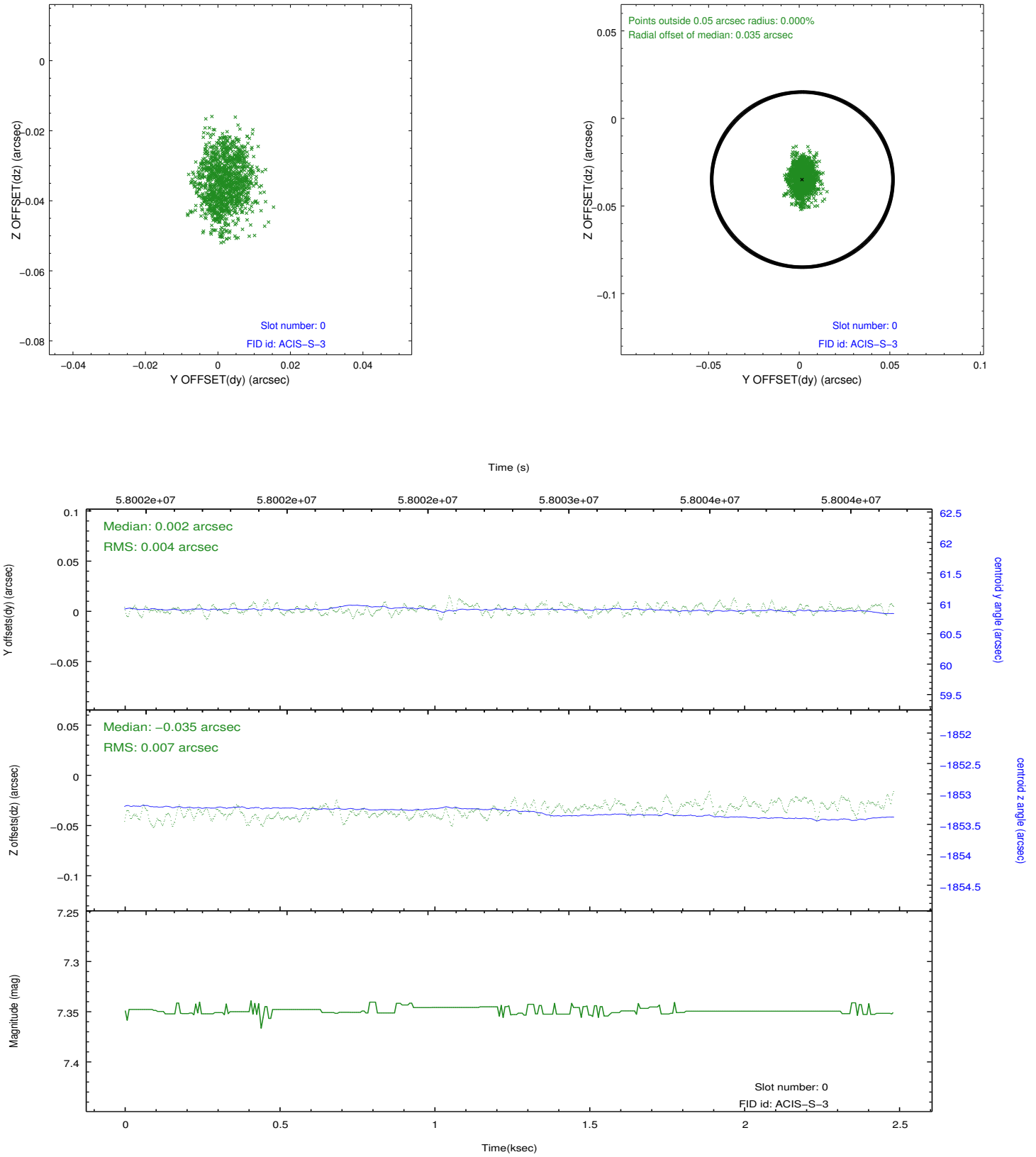


2.4.5 Slot 7

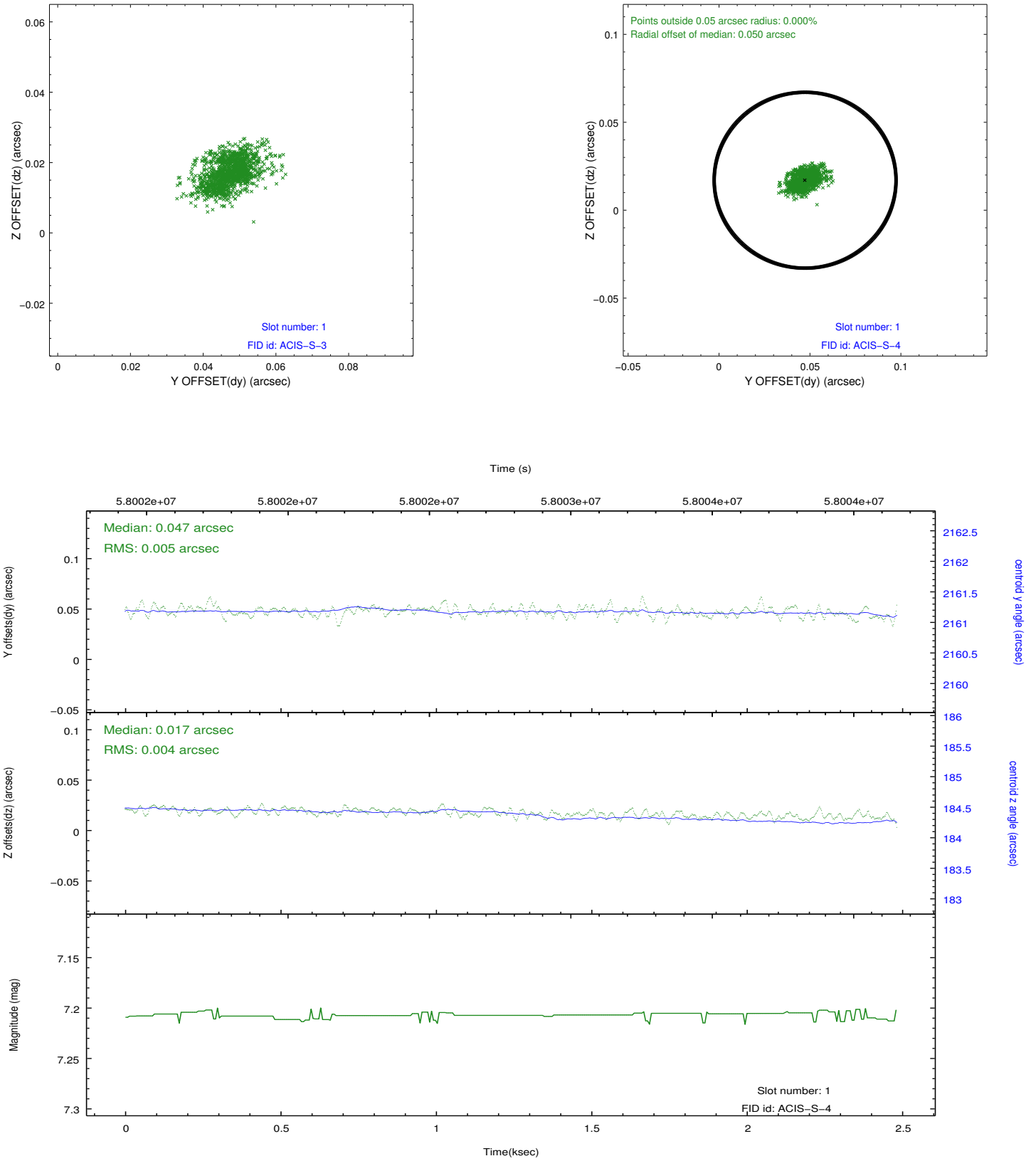


2.5 FID Slots

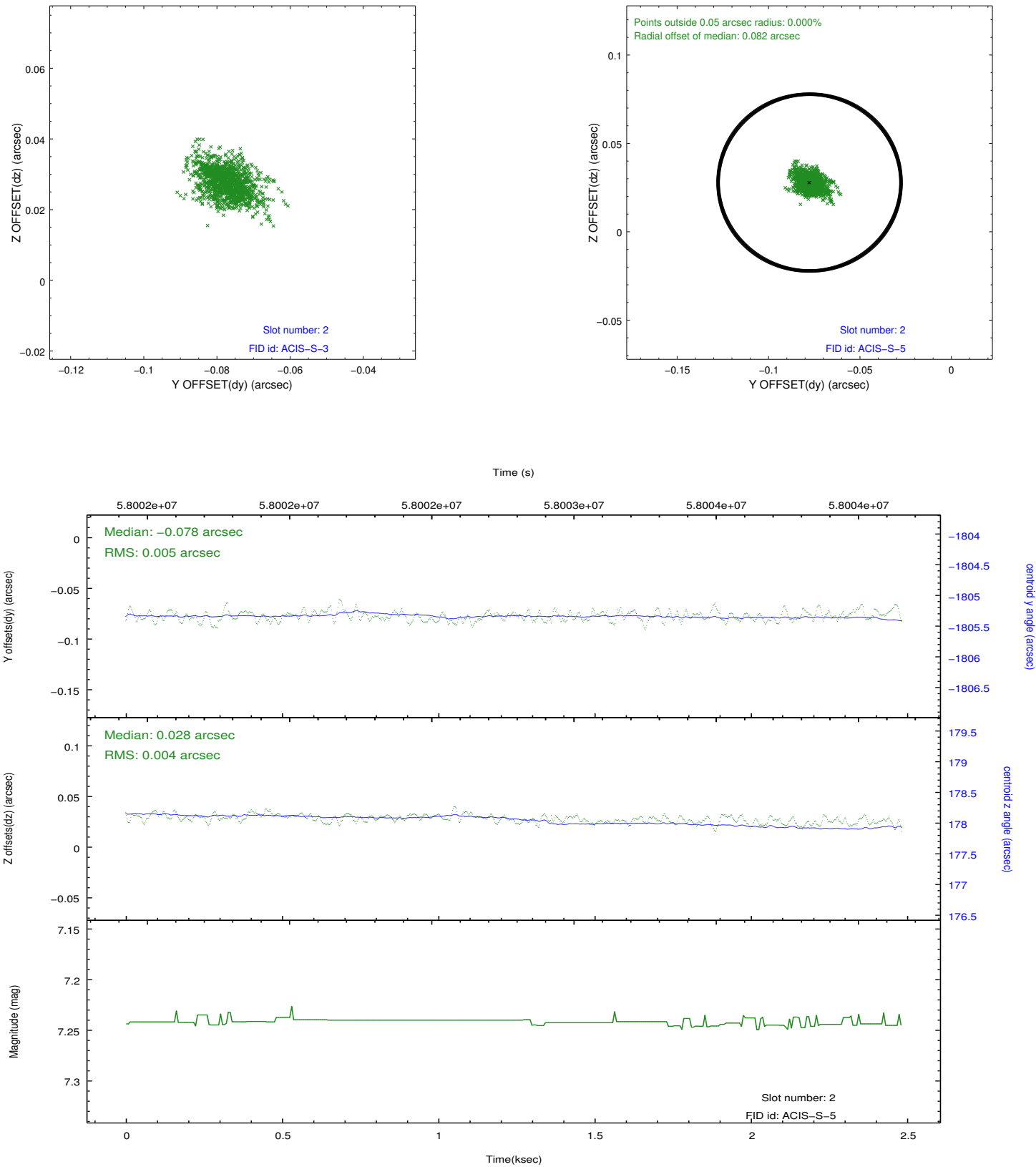
2.5.1 Slot 0



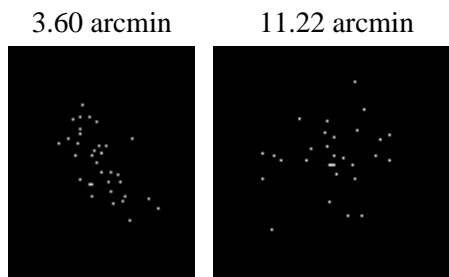
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.776

A.2 Comments

Charge time for this ObsId remains at previous value of 1.776 ksec, although with the current processing the charge time would have been 1.772 ksec.

=====

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is warmer than -116.7 degrees C for the entire observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect. This reprocessing of the data applies no CTI correction because none is available for that temperature.