

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 397 - L2 Version 4

Chandra X-Ray Center

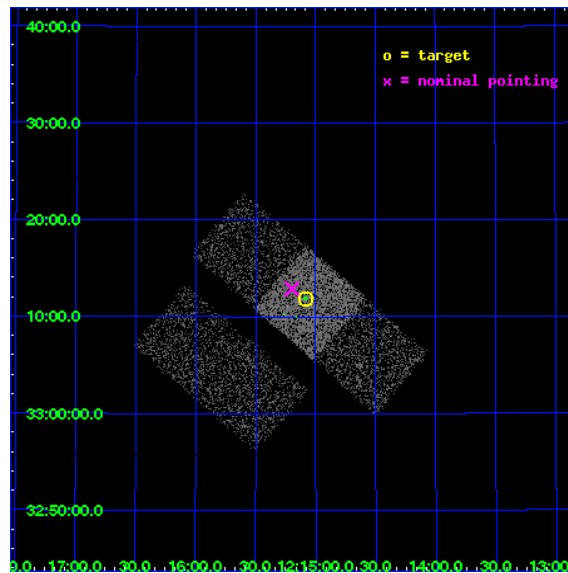
L2 Processing Date : Nov 21 2009

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1 Front

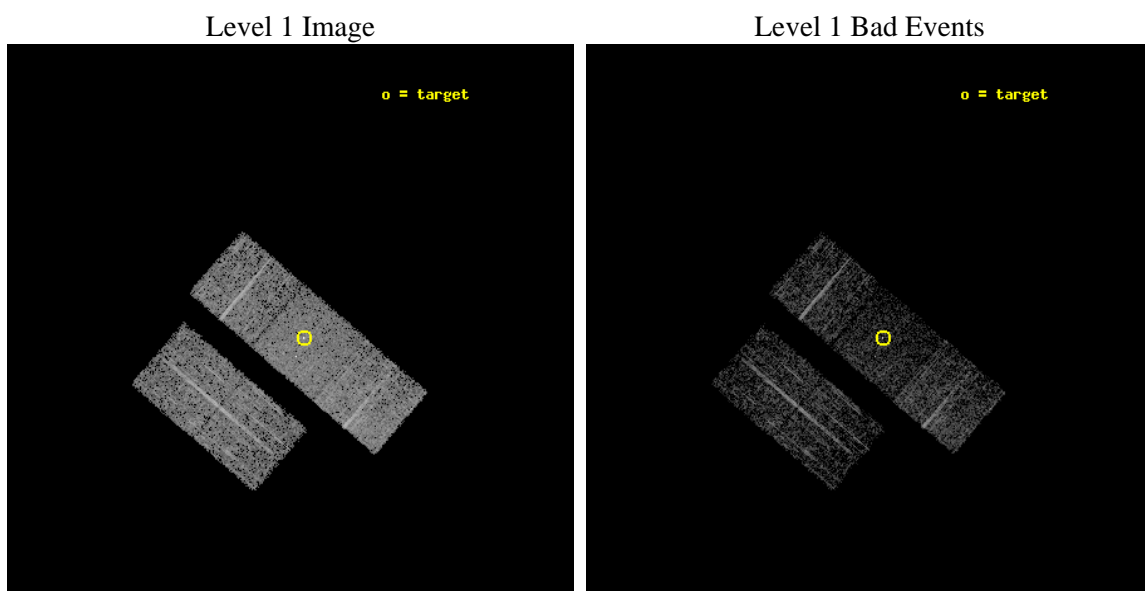
seq_num	700069	Sequence number
obs_id	397	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Prof Gordon Garmire	Principal investigator
object	NGC 4203	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.770833	Observer's specified target RA
dec_targ	33.196944	Observer's specified target Dec
ra_nom	183.79955737473	Nominal RA
dec_nom	33.214768385259	Nominal Dec
roll_nom	40.735415047245	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	13092	Number of level 2 events



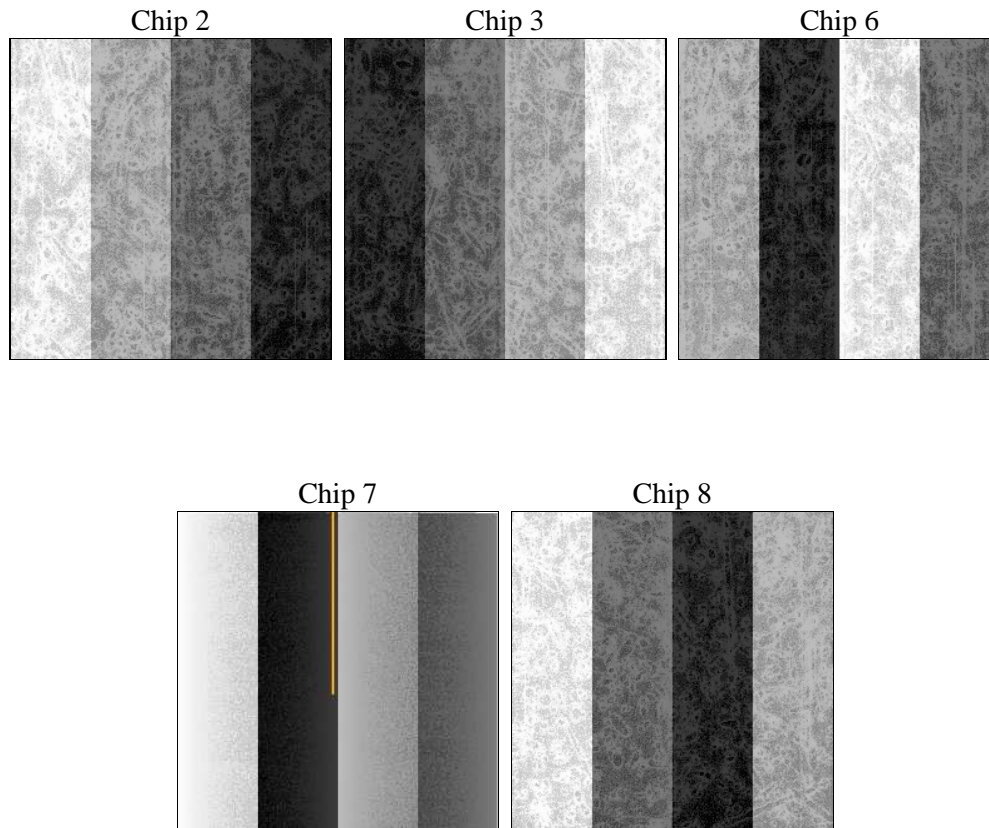
2 OBI

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]
caldbver	4.1.4	 	ontime2	1772.800001651	Sum of GTIs [s]
date	2009-11-21T09:58:01	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	90427	Number of level 1 events

2.1.4 Events

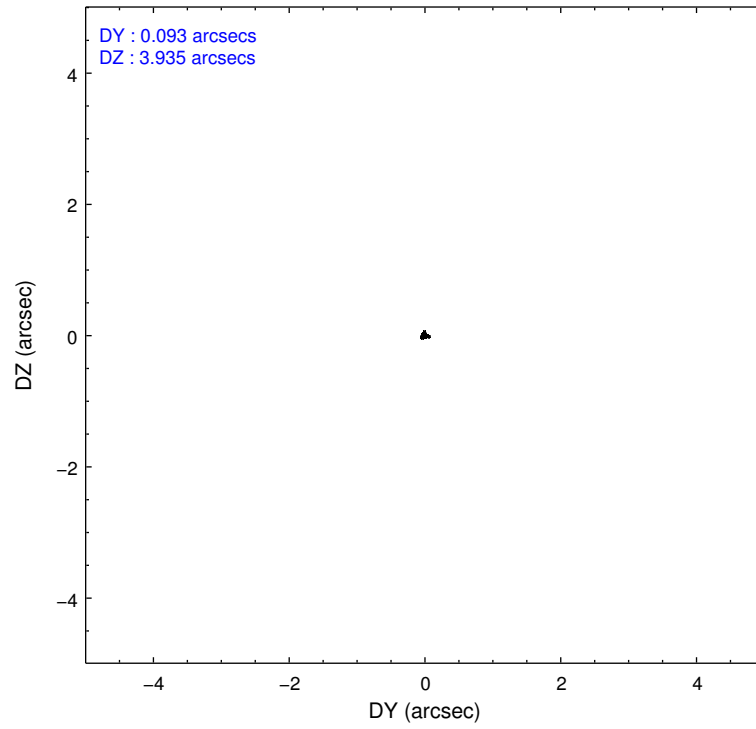
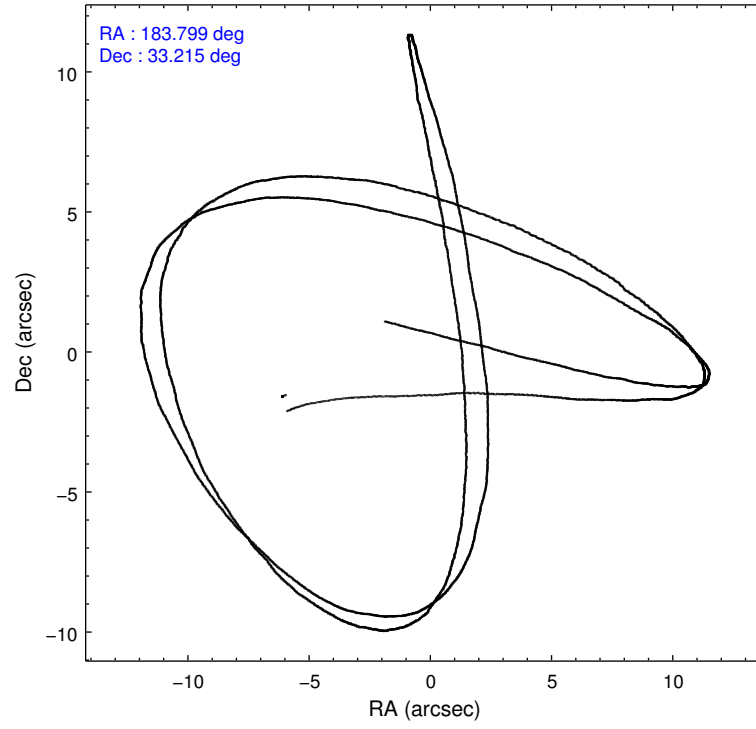
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	16642	16246	17267	18500	21772
rejected events	15211	14721	15727	10967	18745
rejected %	91%	90%	91%	59%	86%

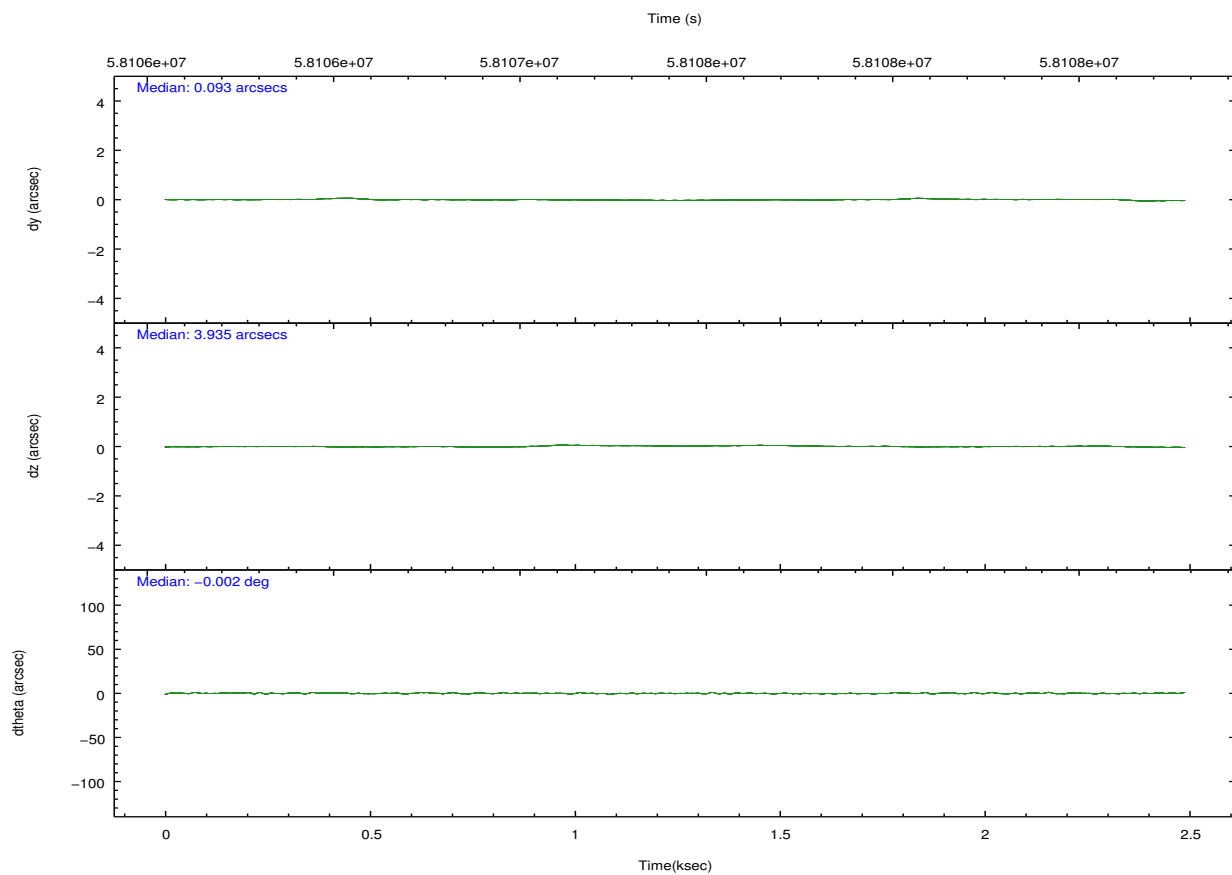
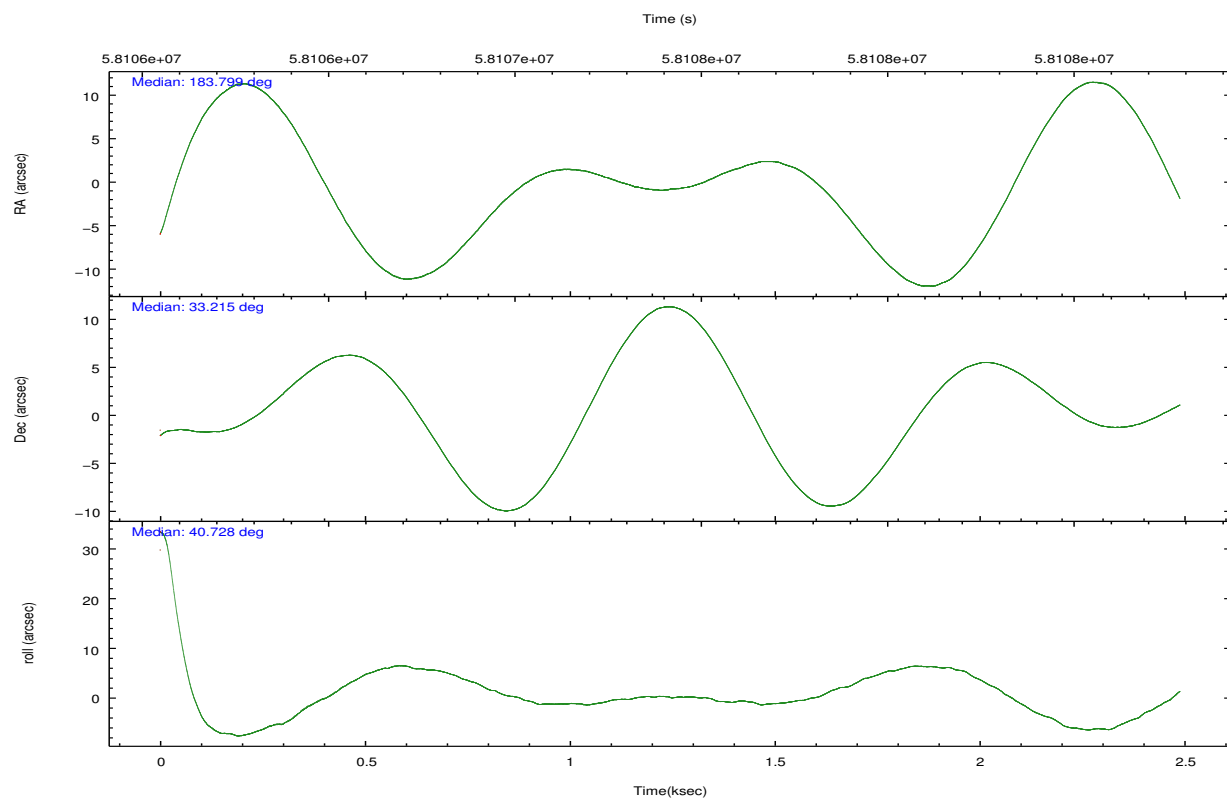
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	318	342	299	704	710
	1%	2%	1%	3%	3%
grade 1 events	1	2	3	31	6
	0%	0%	0%	0%	0%
grade 2 events	572	583	621	1614	918
	3%	3%	3%	8%	4%
grade 3 events	105	90	110	486	269
	0%	0%	0%	2%	1%
grade 4 events	85	101	99	436	245
	0%	0%	0%	2%	1%
grade 5 events	271	316	340	1137	378
	1%	1%	1%	6%	1%
grade 6 events	357	413	418	4313	910
	2%	2%	2%	23%	4%
grade 7 events	14933	14399	15377	9779	18336
	89%	88%	89%	52%	84%

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	183.788159	183.7995573747334	Subarray requested	NONE	NONE
Pointing Dec	33.188729	33.21476838525945	Alternating exposures requested	N	N
Pointing Roll	40.584883	40.73541504724469	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	58106659.184000	58105778.943253			
Observation start date	1999-11-04T12:43:15	1999-11-04T12:29:38			
Observation end time	58108659.184000	58109007.69337			
Observation end date	1999-11-04T13:16:35	1999-11-04T13:23:27			
Read mode	TIMED	TIMED			

2.3 Aspect



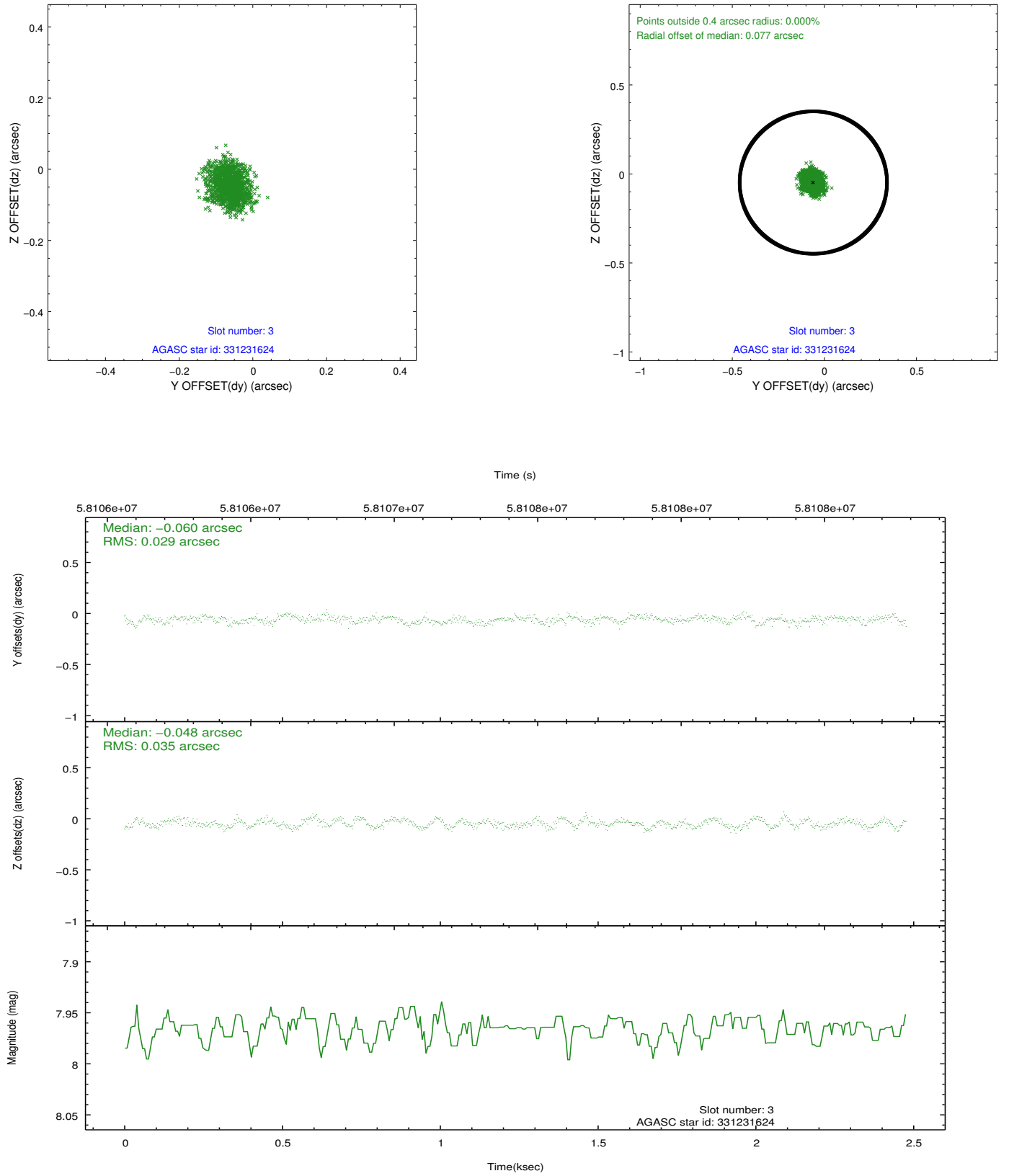


Slot Statistics

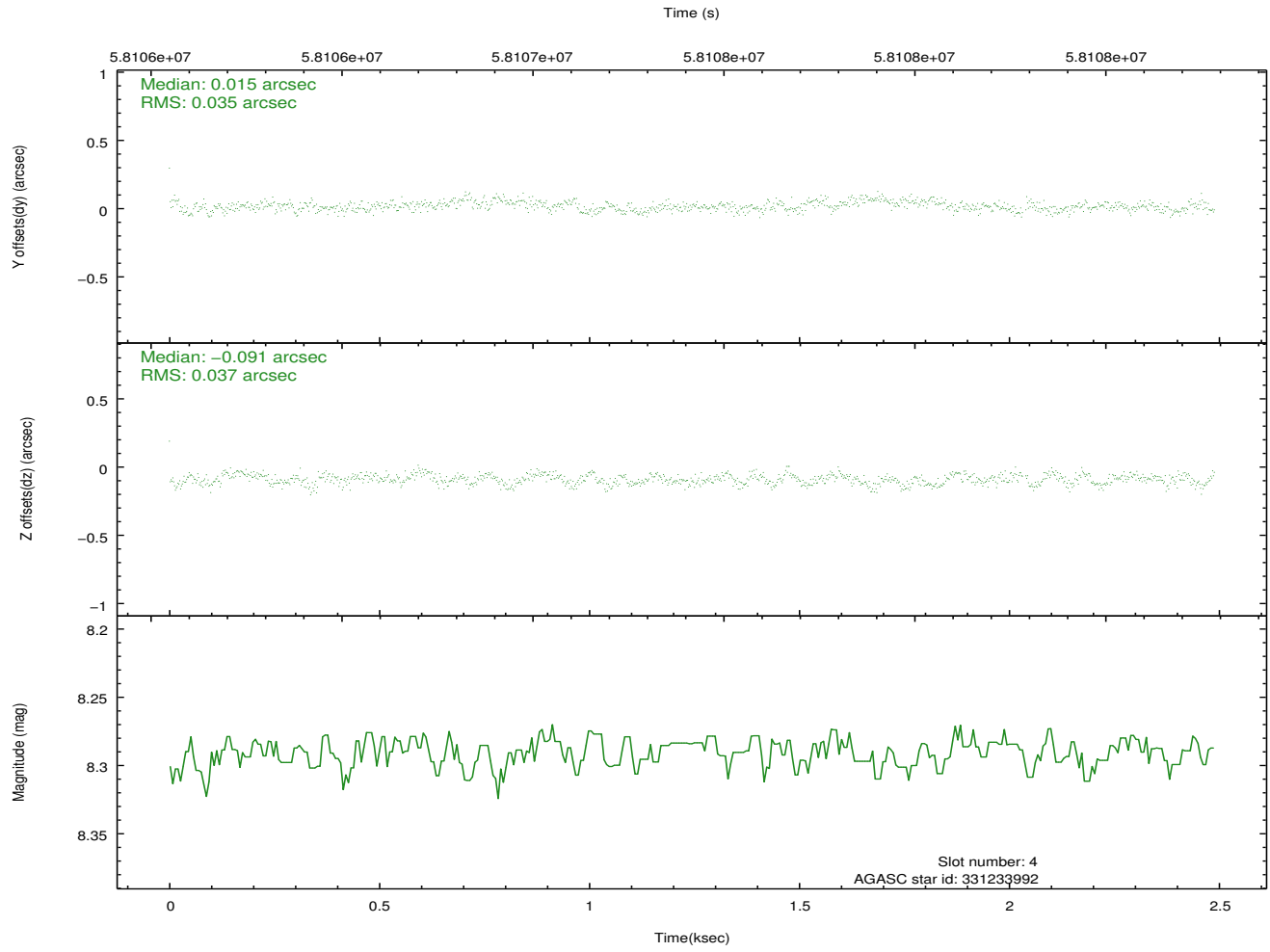
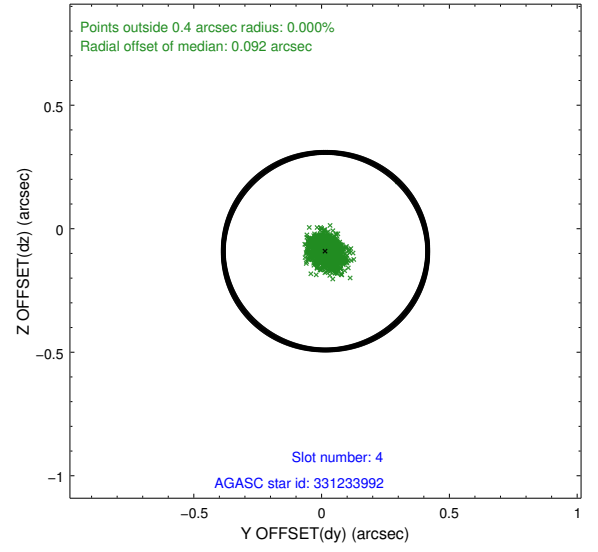
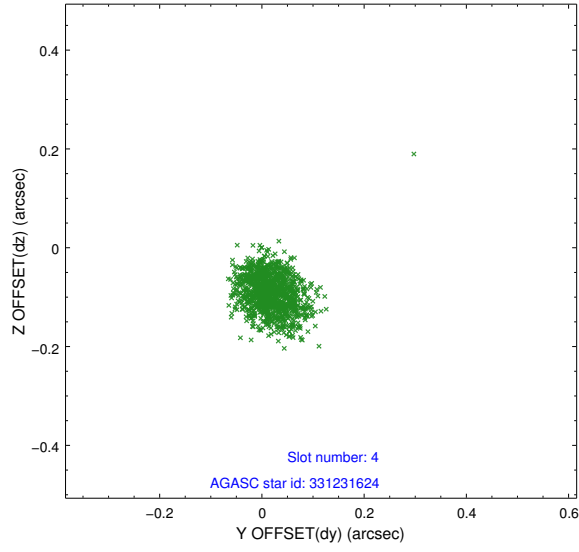
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1215	0.003	-0.015	0.006	0.010	0.000000	0.000000	-752.71	-1725.01
1	FID	ACIS-S-4	7.21	1215	0.039	0.003	0.005	0.010	0.000000	0.000000	2160.12	182.14
2	FID	ACIS-S-5	7.24	1215	-0.073	0.021	0.006	0.010	0.000000	0.000000	-1803.99	177.34
3	GUIDE	331231624	7.96	1209	-0.060	-0.048	0.049	0.077	183.558239	33.450173	88.12	1165.37
4	GUIDE	331233992	8.29	1212	0.015	-0.091	0.053	0.085	183.745951	33.256340	61.93	269.17
5	GUIDE	331235608	9.14	1215	0.016	0.109	0.074	0.117	183.835580	32.650973	-1150.01	-1562.80
6	GUIDE	331233128	9.27	1188	-0.027	-0.057	0.072	0.117	183.552740	33.490773	169.96	1285.62
7	GUIDE	331232512	9.37	1152	0.057	0.090	0.077	0.124	183.921245	32.791183	-624.30	-1347.19

2.4 Star Slots

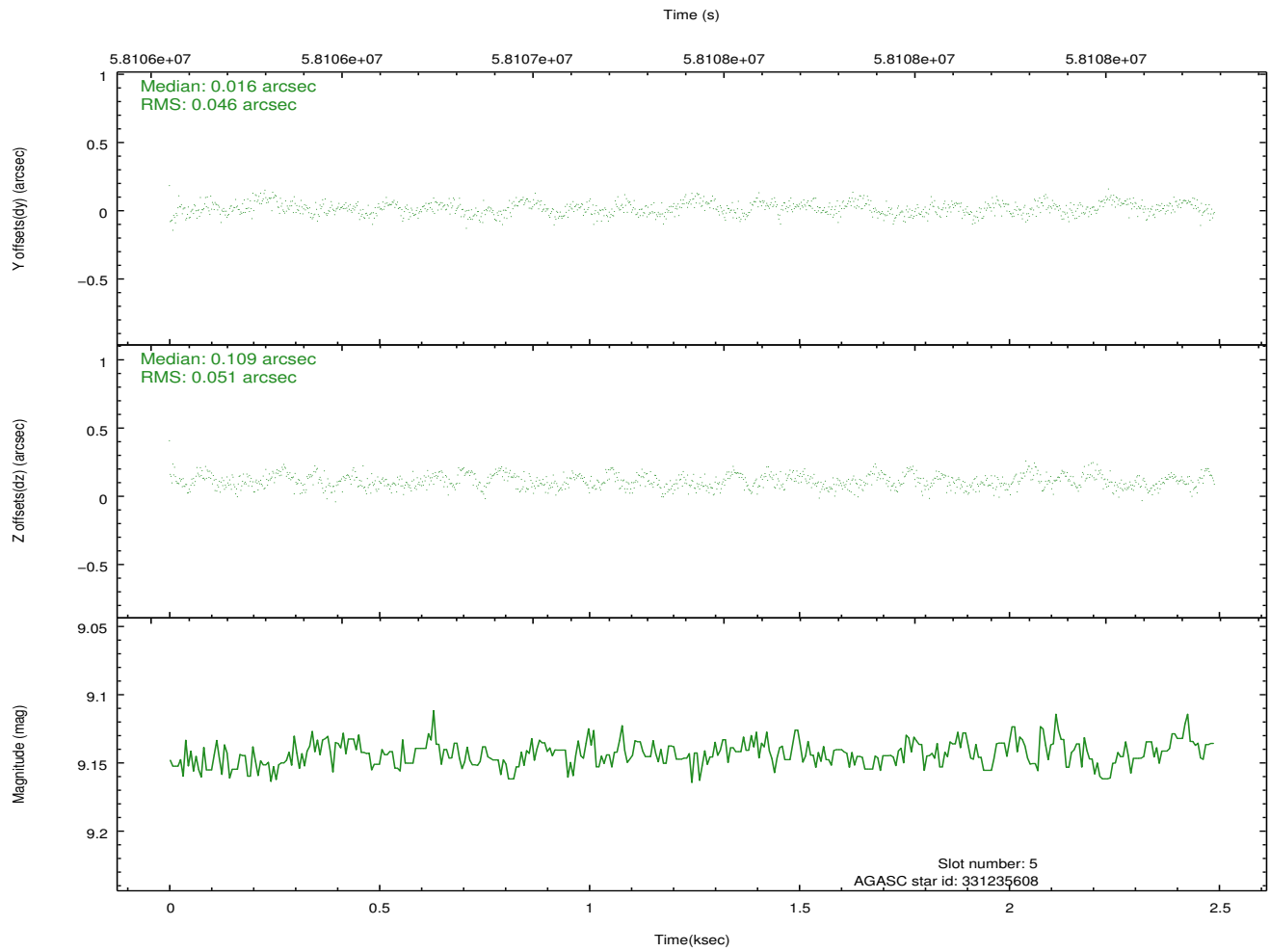
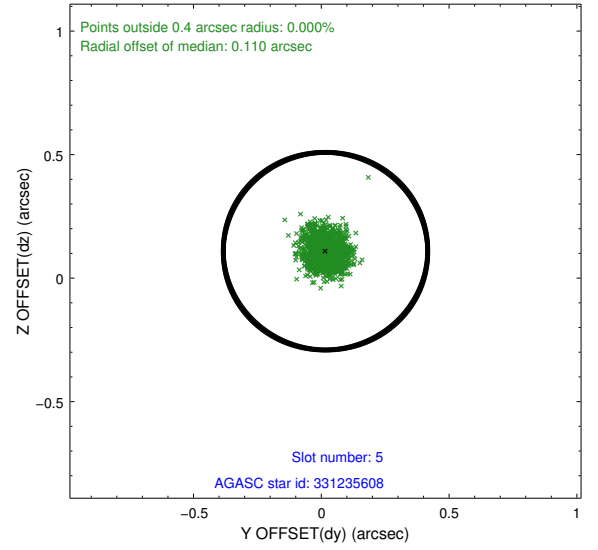
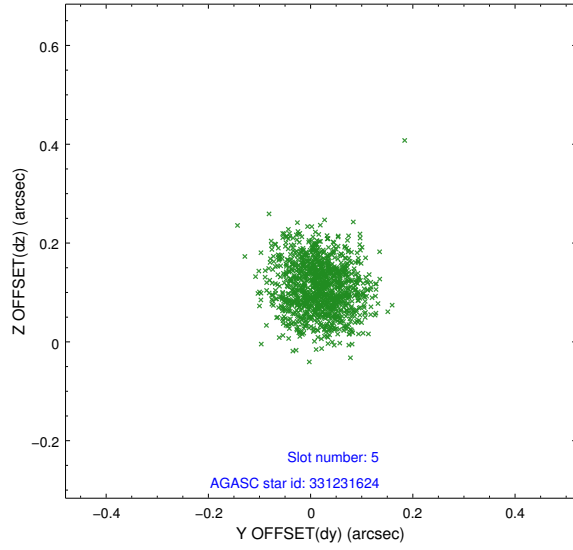
2.4.1 Slot 3



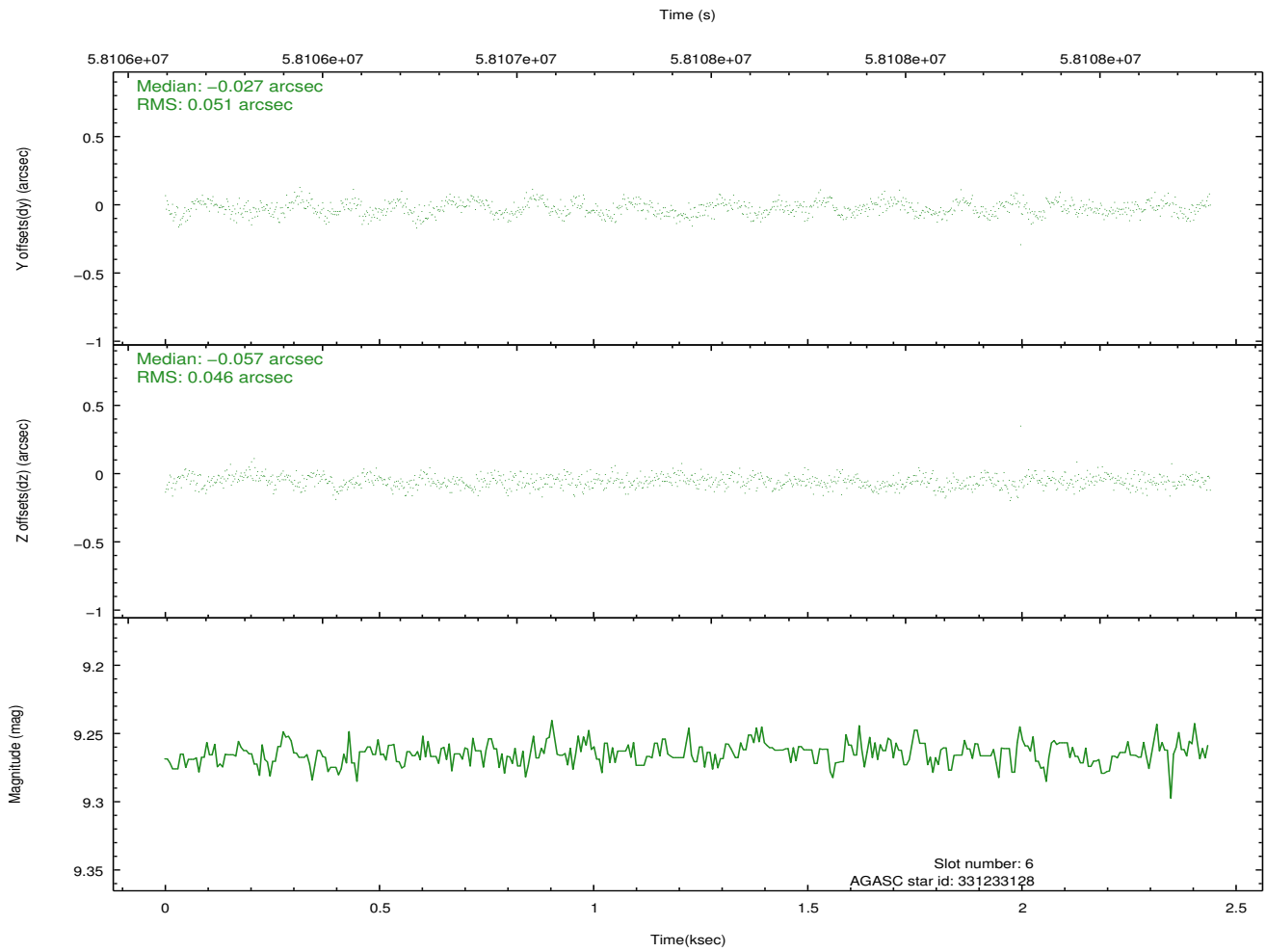
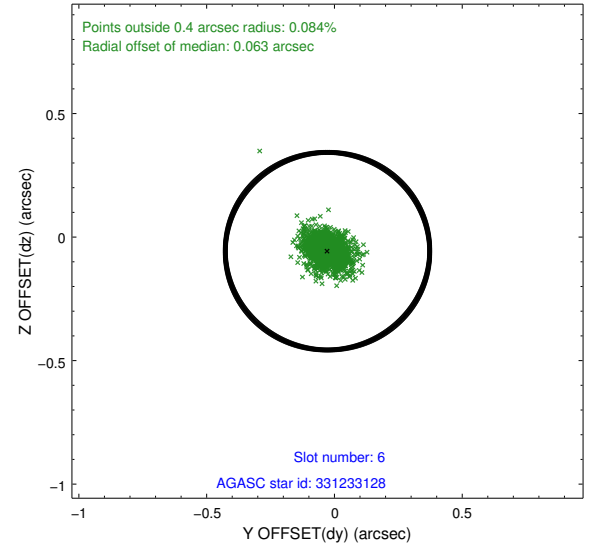
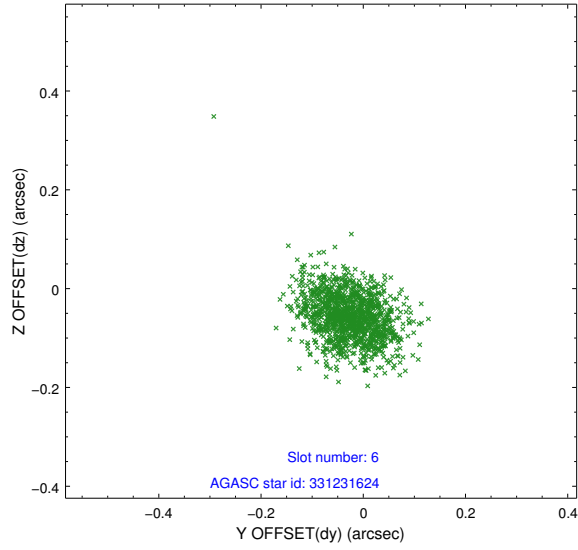
2.4.2 Slot 4



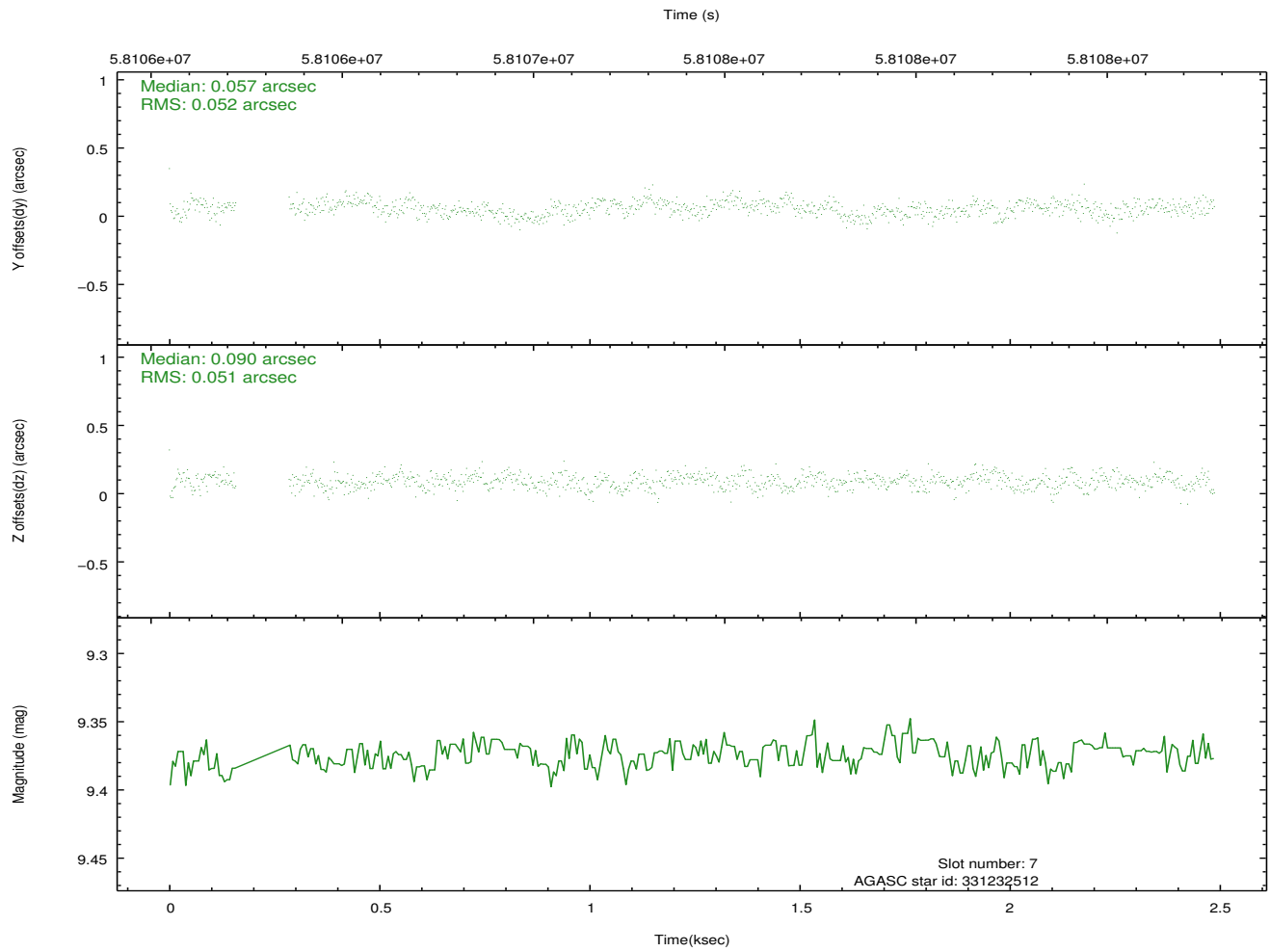
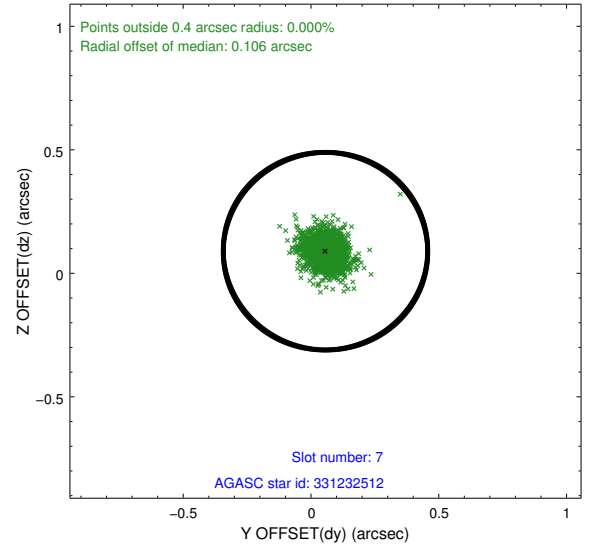
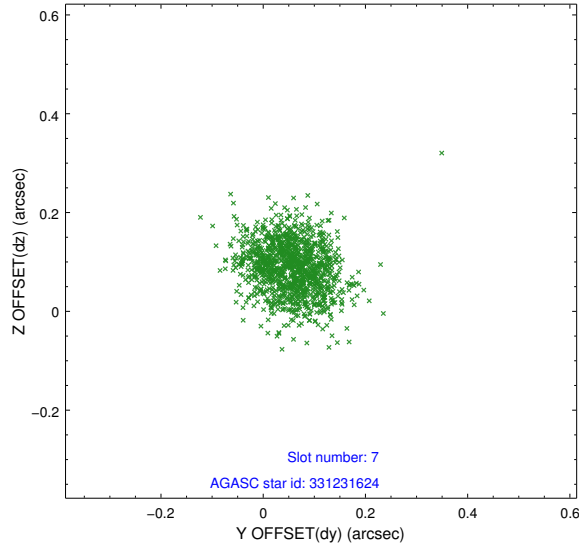
2.4.3 Slot 5



2.4.4 Slot 6

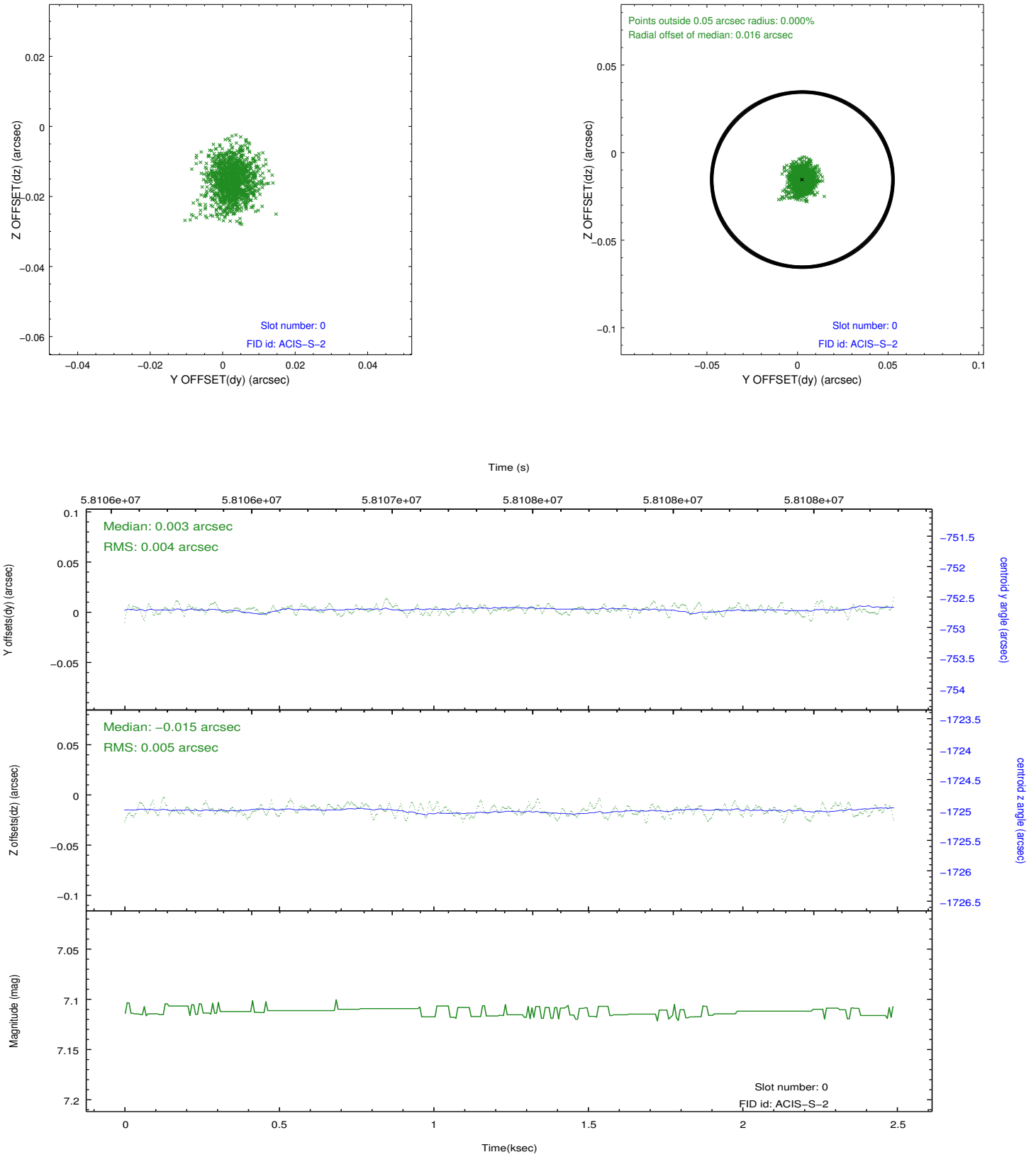


2.4.5 Slot 7

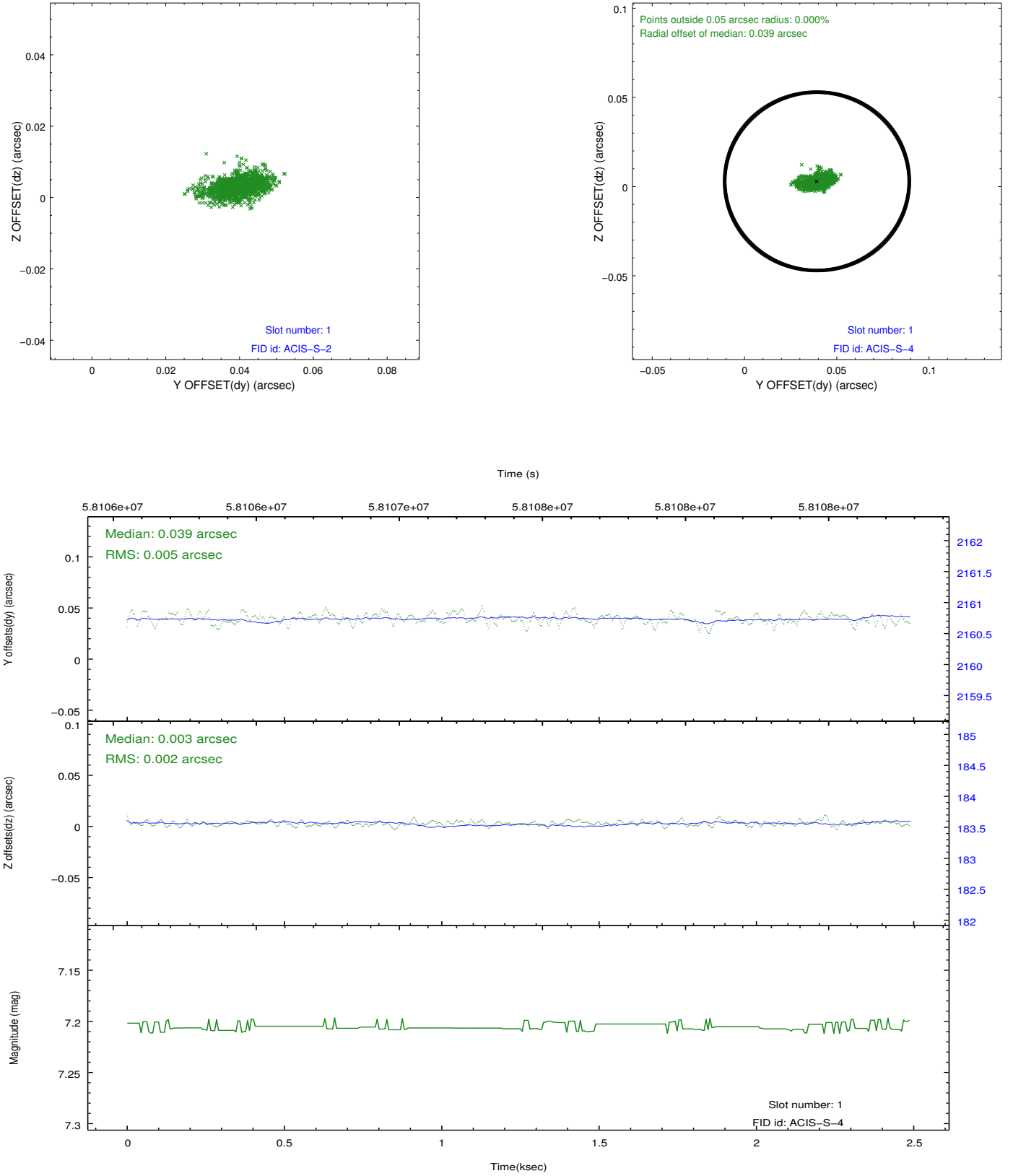


2.5 FID Slots

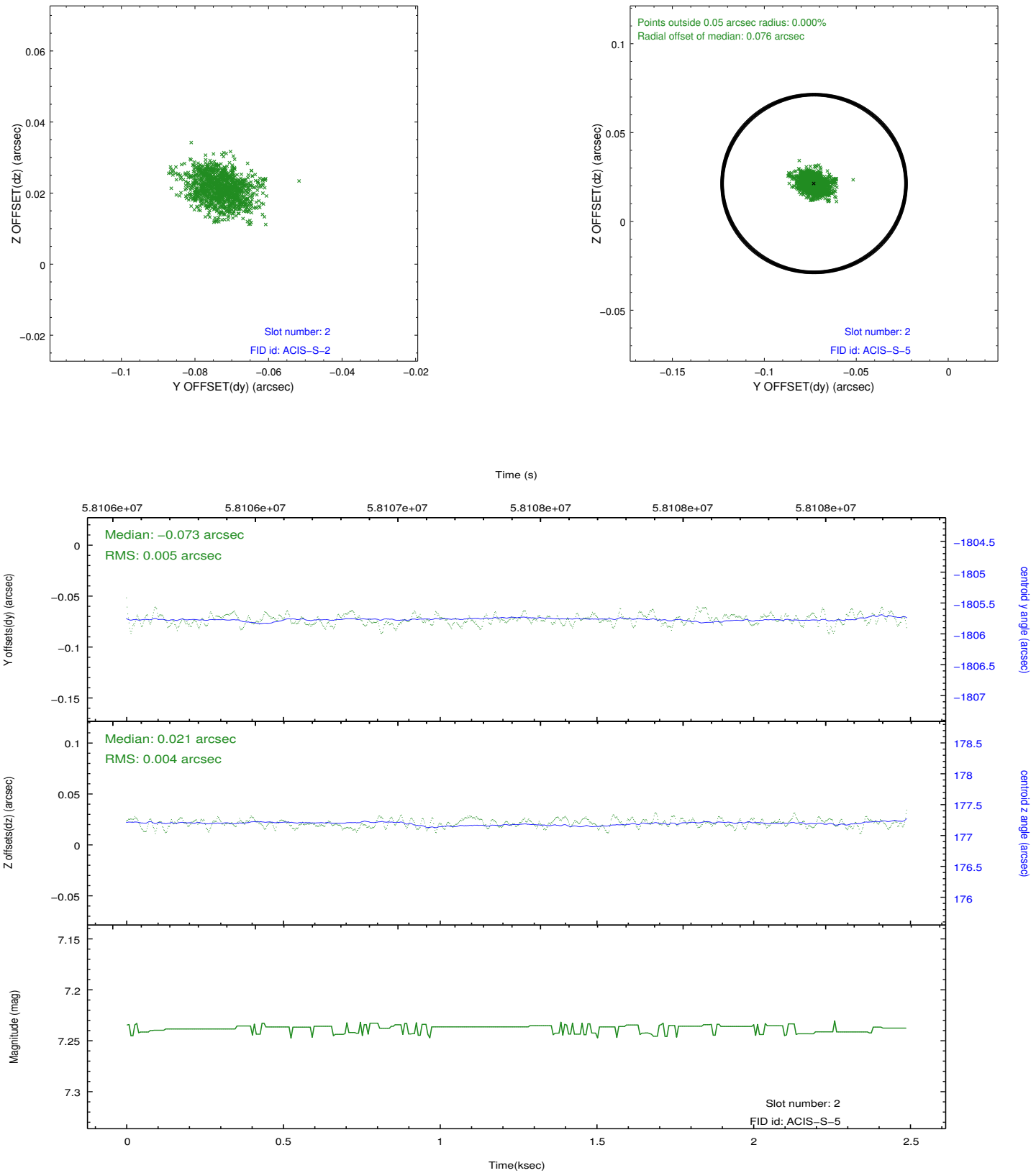
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

3.14 arcmin



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.