

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 396 - L2 Version 4

Chandra X-Ray Center

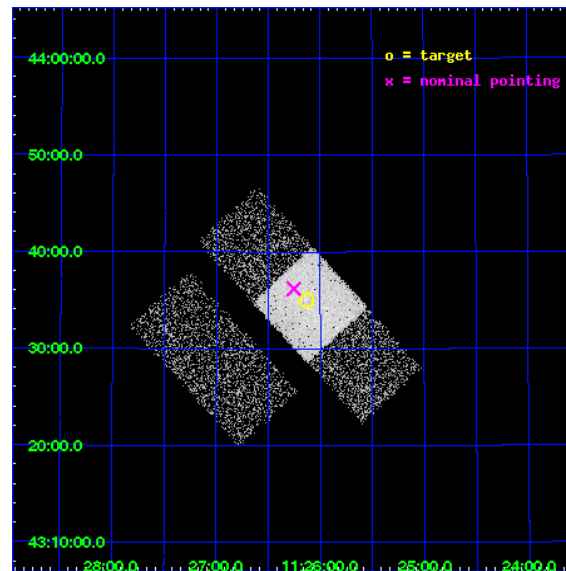
L2 Processing Date : Nov 21 2009

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1 Front

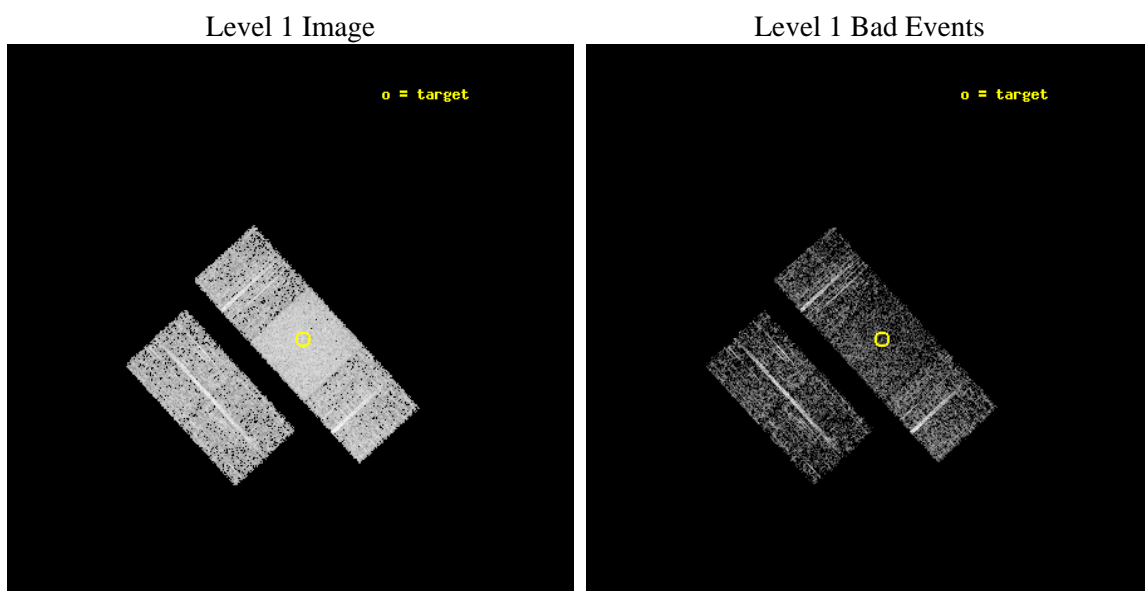
seq_num	700068	Sequence number
obs_id	396	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Prof Gordon Garmire	Principal investigator
object	NGC 3675	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.533333	Observer's specified target RA
dec_targ	43.582778	Observer's specified target Dec
ra_nom	171.5634976005	Nominal RA
dec_nom	43.60325856165	Nominal Dec
roll_nom	47.379434913621	Nominal Roll
revision	4	Processing version of data
ontime	1769.6000016481	Sum of GTIs [s]
livetime	1747.192260902	Livetime [s]
ontime2	1769.6000016481	Sum of GTIs [s]
ontime3	1769.6000016481	Sum of GTIs [s]
ontime6	1769.6000016481	Sum of GTIs [s]
ontime7	1769.6000016481	Sum of GTIs [s]
ontime8	1769.6000016481	Sum of GTIs [s]
l2events	24844	Number of level 2 events



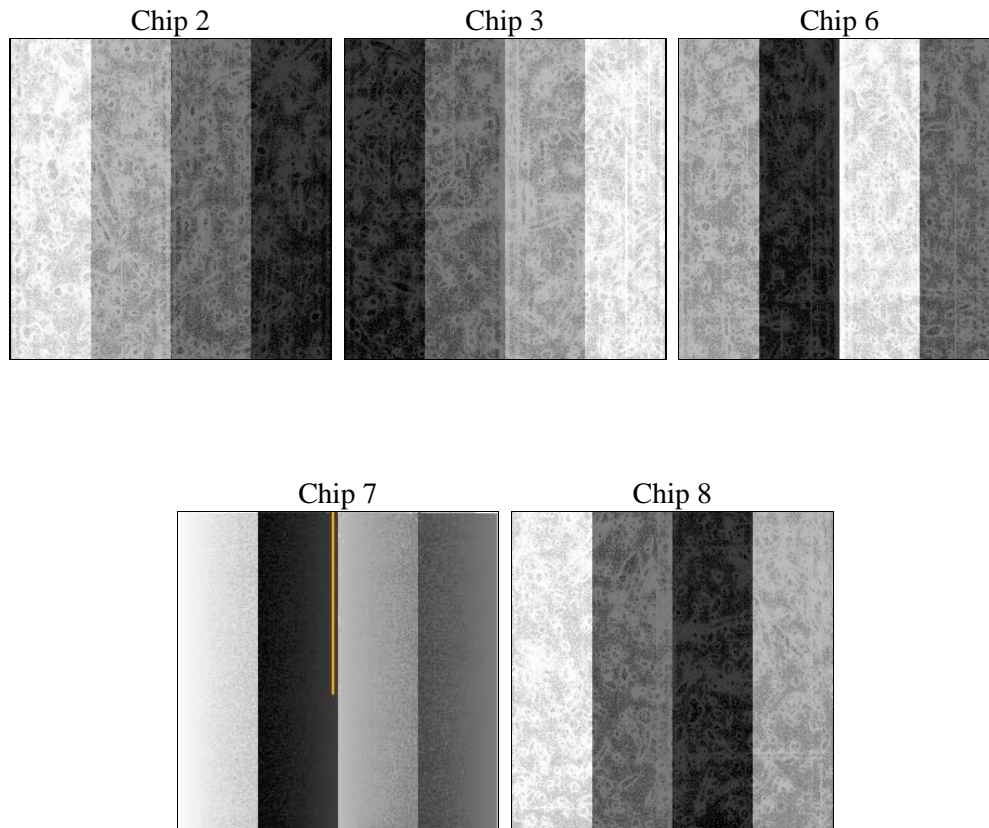
2 OBI

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	1769.6000016481	Sum of GTIs [s]
caldsver	4.1.4	 	ontime2	1769.6000016481	Sum of GTIs [s]
date	2009-11-21T09:48:16	Date and time of file creation	ontime3	1769.6000016481	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	1769.6000016481	Sum of GTIs [s]
			ontime7	1769.6000016481	Sum of GTIs [s]
			ontime8	1769.6000016481	Sum of GTIs [s]
			l1events	103738	Number of level 1 events

2.1.4 Events

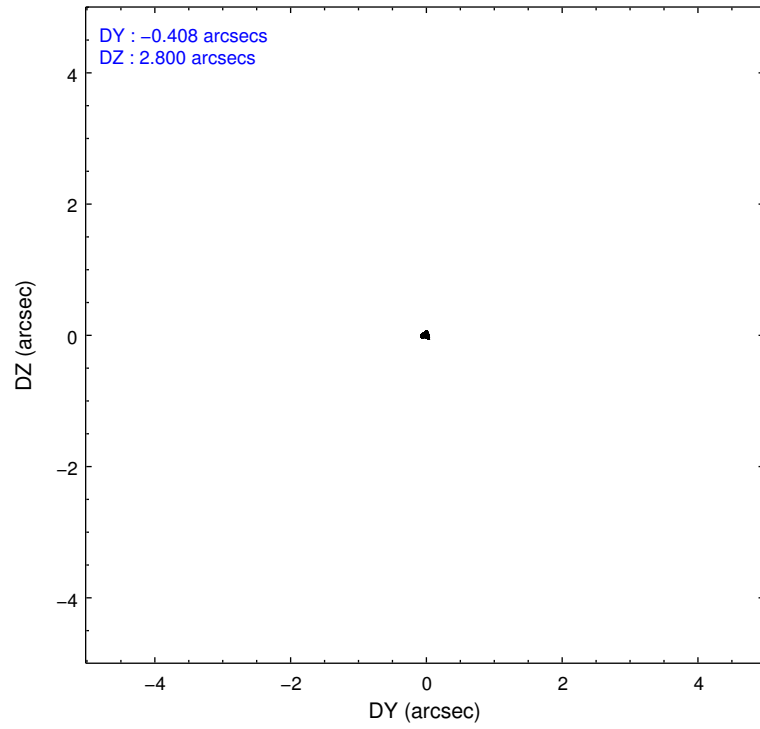
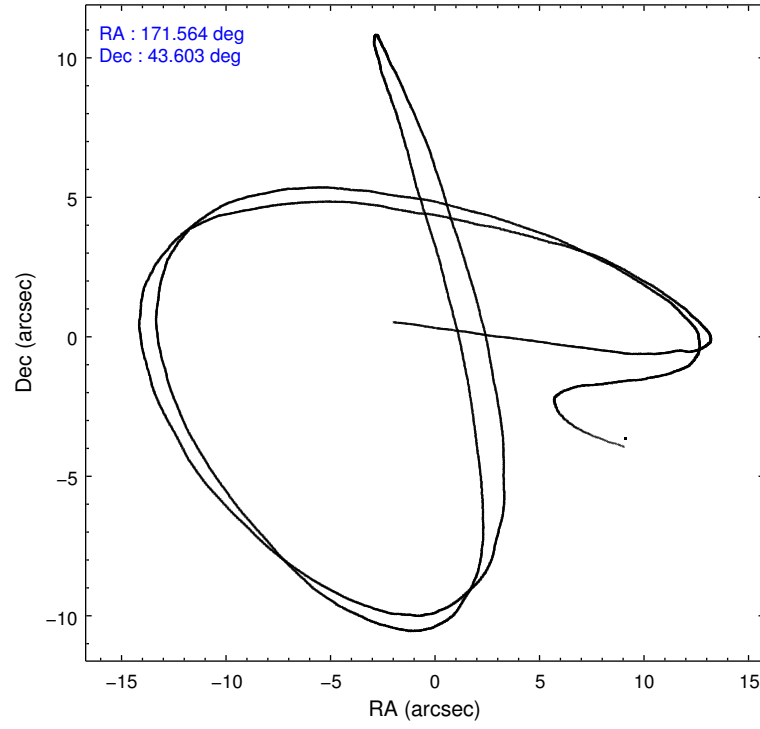
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	17881	15820	17102	30855	22080
rejected events	16335	14253	15429	11685	18937
rejected %	91%	90%	90%	37%	85%

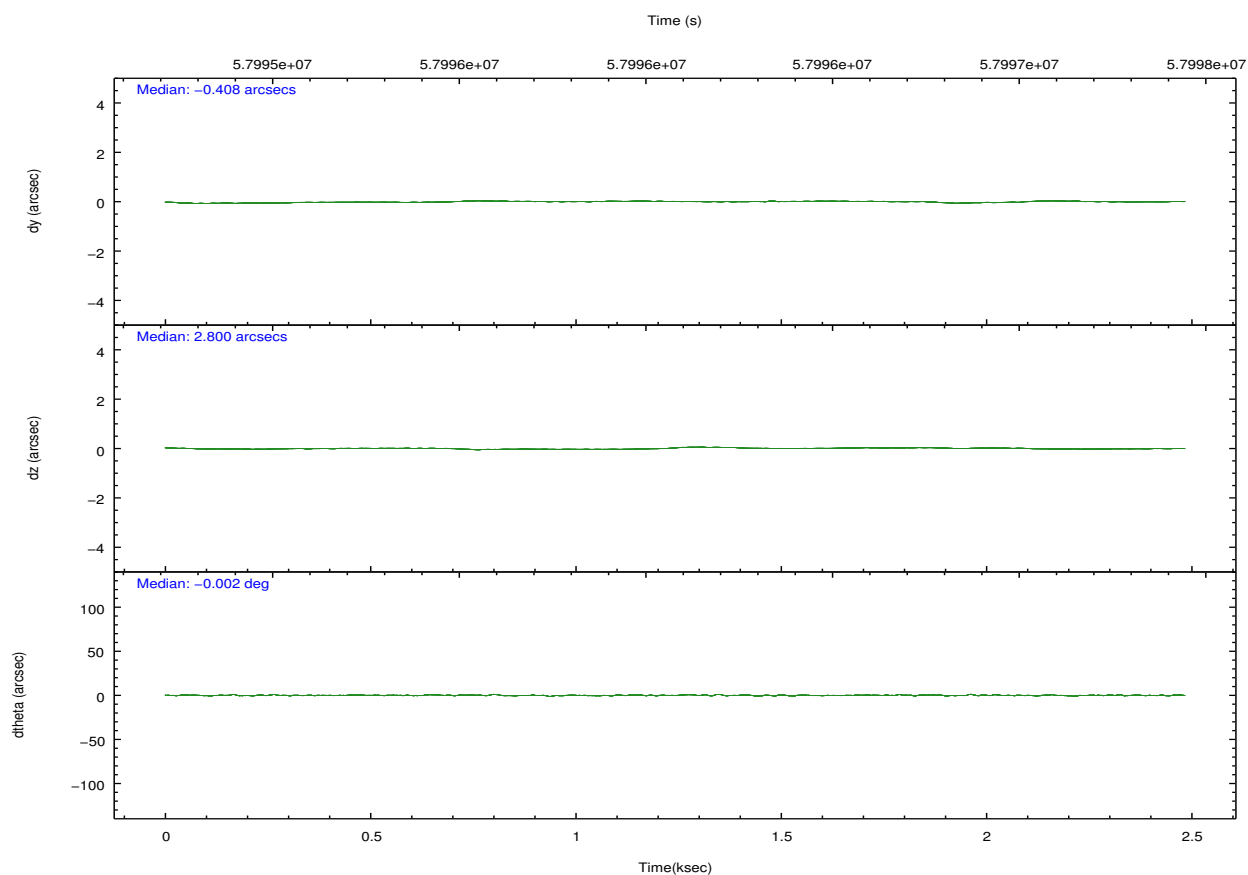
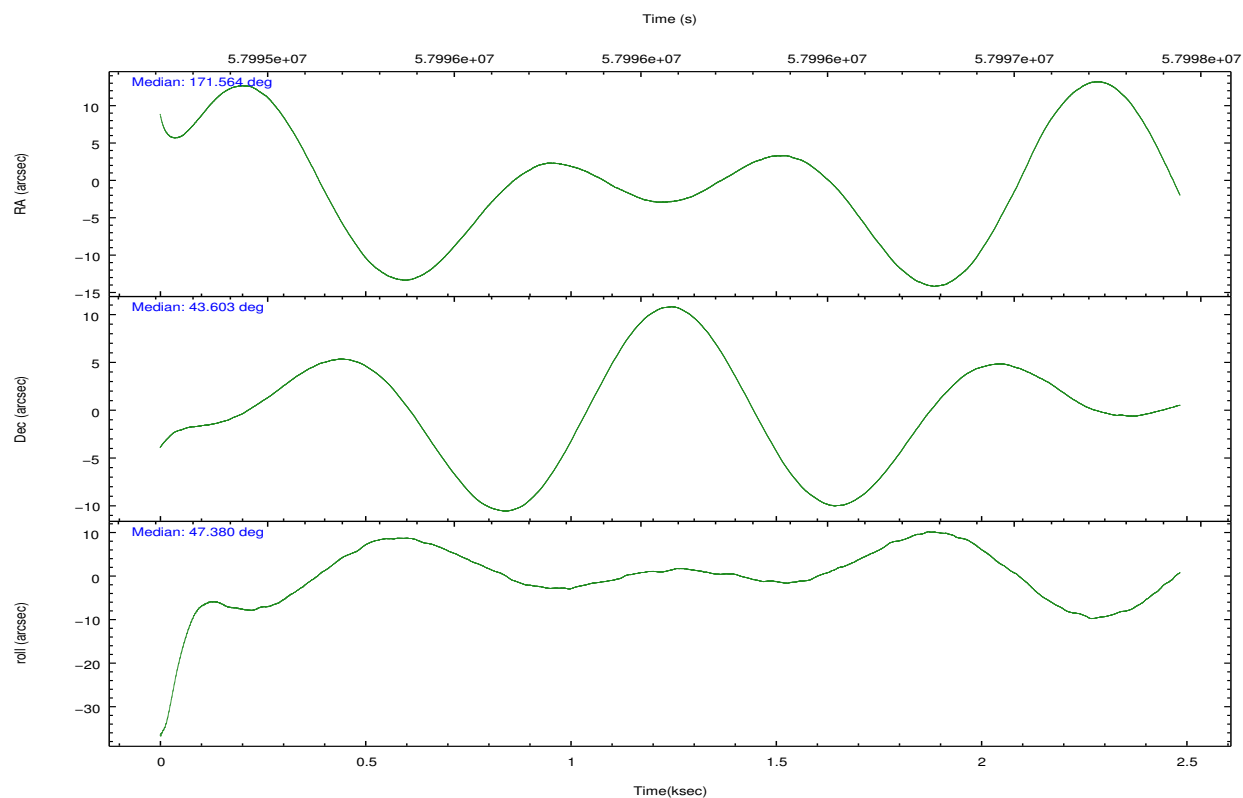
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	375	362	357	2319	825
	2%	2%	2%	7%	3%
grade 1 events	2	4	5	13	6
	0%	0%	0%	0%	0%
grade 2 events	571	611	647	4113	954
	3%	3%	3%	13%	4%
grade 3 events	96	108	106	1345	231
	0%	0%	0%	4%	1%
grade 4 events	111	98	113	1334	244
	0%	0%	0%	4%	1%
grade 5 events	247	289	289	1210	437
	1%	1%	1%	3%	1%
grade 6 events	398	391	455	10147	897
	2%	2%	2%	32%	4%
grade 7 events	16081	13957	15130	10374	18486
	89%	88%	88%	33%	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	171.554529	171.5634976004968	Subarray requested	NONE	NONE
Pointing Dec	43.576301	43.60325856165043	Alternating exposures requested	N	N
Pointing Roll	47.229152	47.37943491362063	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	57995319.184000	57994298.914229			
Observation start date	1999-11-03T05:47:35	1999-11-03T05:31:38			
Observation end time	57997319.184000	57997726.514353			
Observation end date	1999-11-03T06:20:55	1999-11-03T06:28:46			
Read mode	TIMED	TIMED			

2.3 Aspect



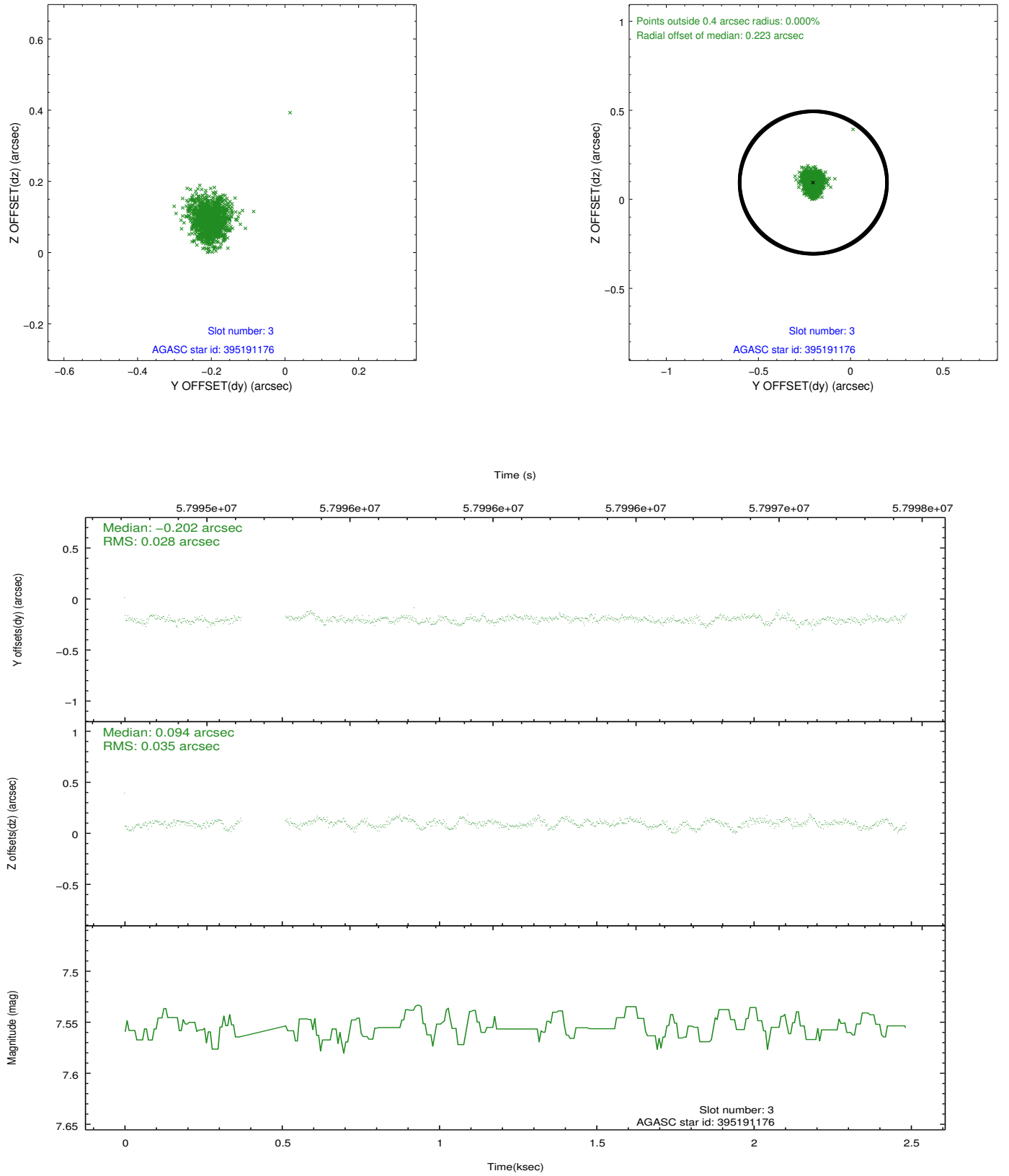


Slot Statistics

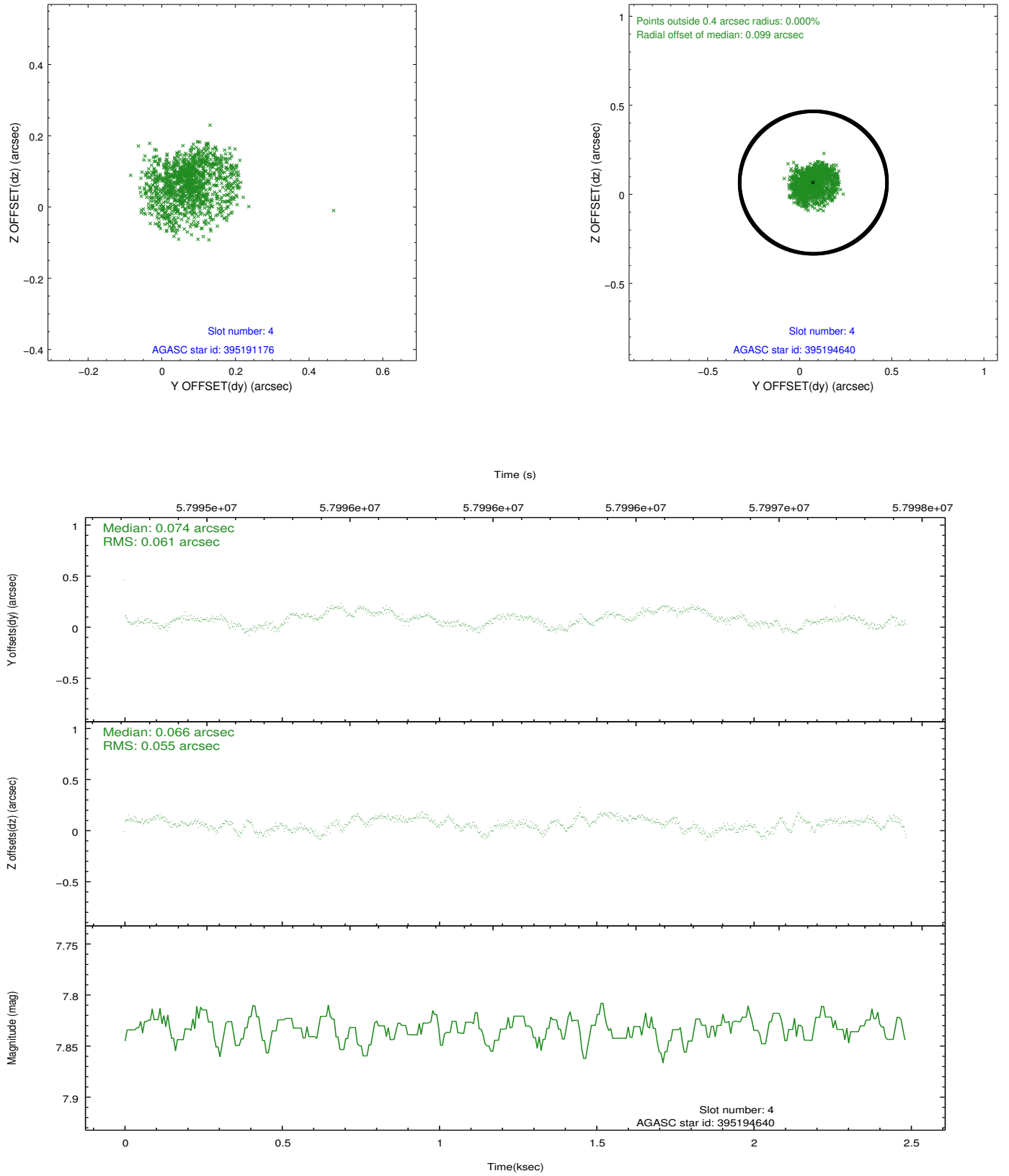
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1213	0.018	-0.001	0.007	0.011	0.000000	0.000000	-752.18	-1723.82
1	FID	ACIS-S-4	7.21	1213	0.039	-0.008	0.005	0.010	0.000000	0.000000	2160.64	183.29
2	FID	ACIS-S-5	7.24	1212	-0.088	0.019	0.006	0.011	0.000000	0.000000	-1803.48	178.52
3	GUIDE	395191176	7.56	1144	-0.202	0.094	0.047	0.075	172.125895	43.966583	2038.68	-127.45
4	GUIDE	395194640	7.83	1213	0.074	0.066	0.093	0.135	171.538291	42.732504	-2259.04	-2030.08
5	GUIDE	395196096	8.54	1213	-0.035	0.019	0.055	0.089	172.090975	43.864827	1707.71	-314.07
6	GUIDE	395186040	8.74	1213	0.119	0.013	0.063	0.096	171.276885	43.215973	-1446.14	-344.28
7	GUIDE	395195200	9.59	1211	0.032	-0.186	0.082	0.135	171.709098	43.871230	1049.26	427.60

2.4 Star Slots

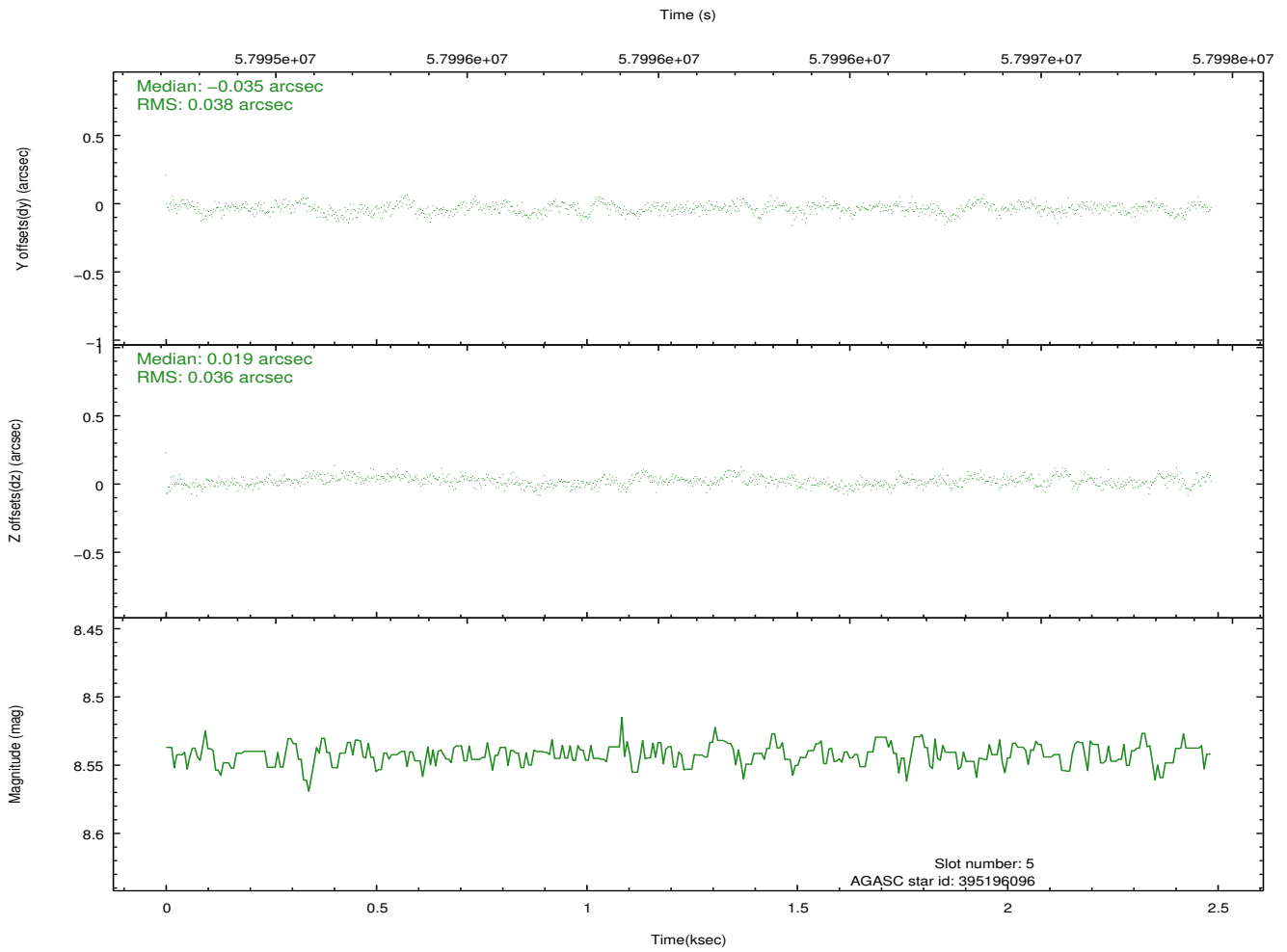
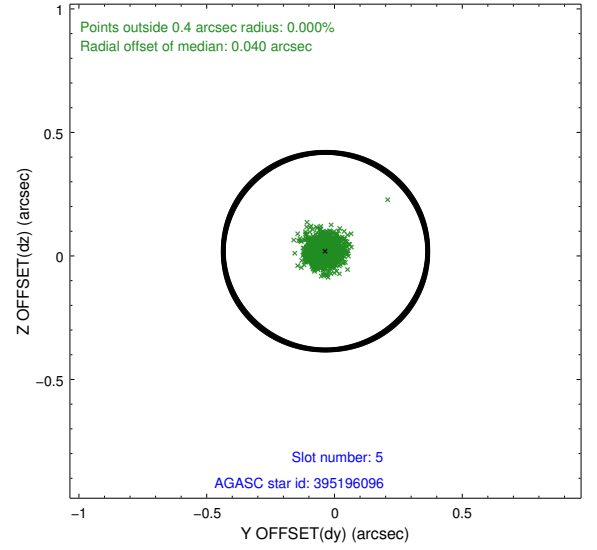
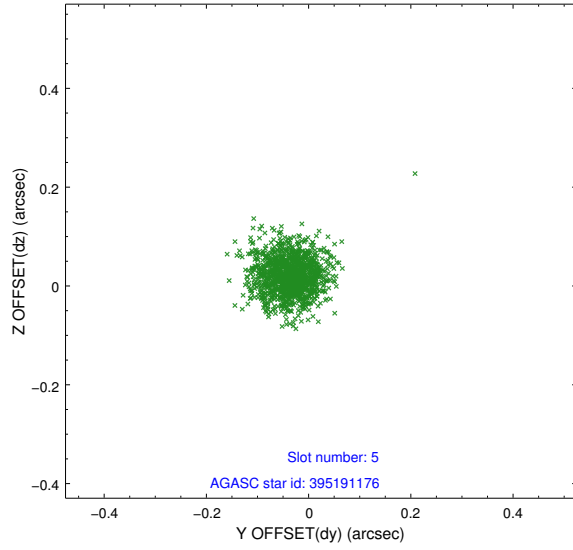
2.4.1 Slot 3



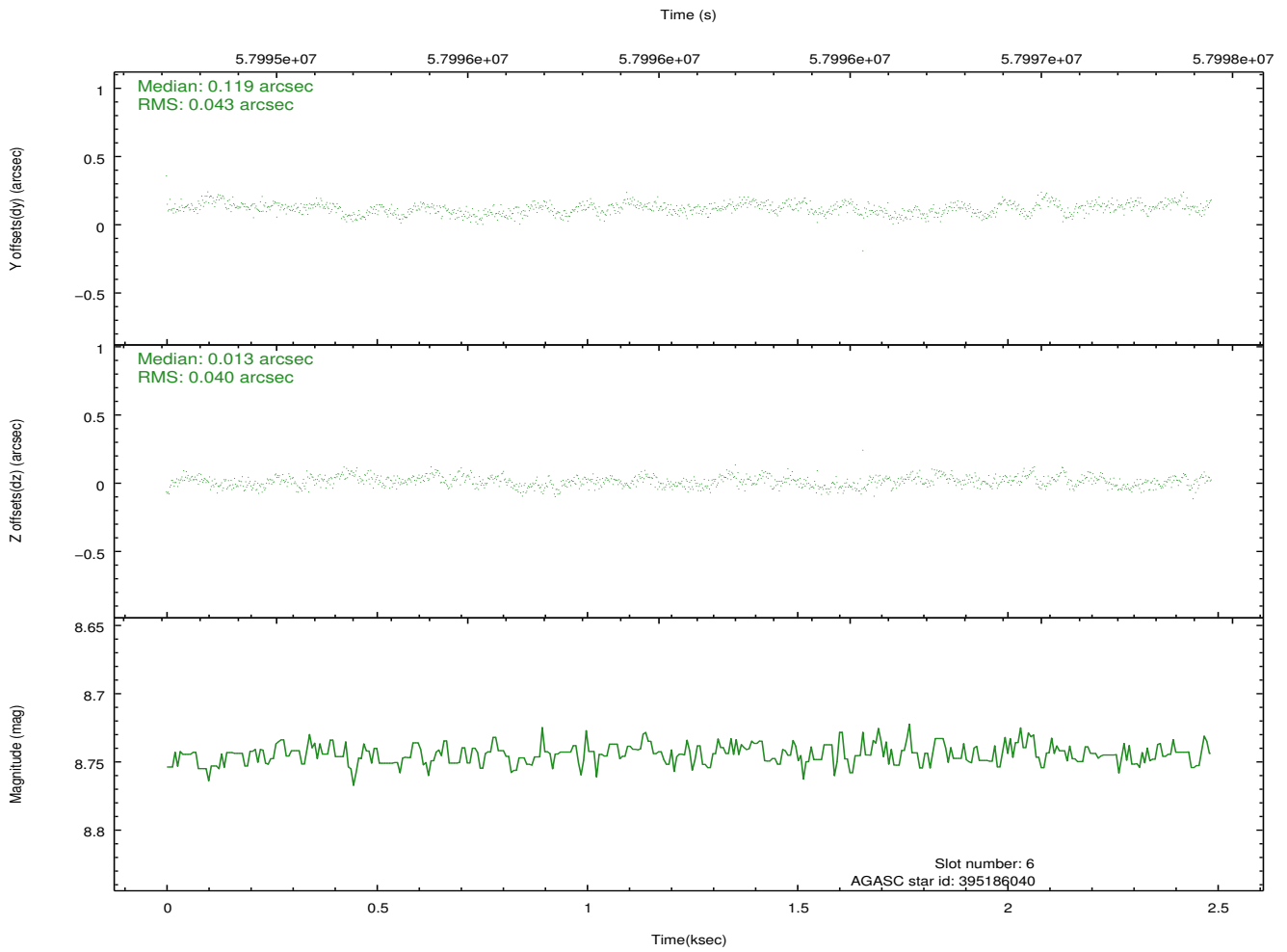
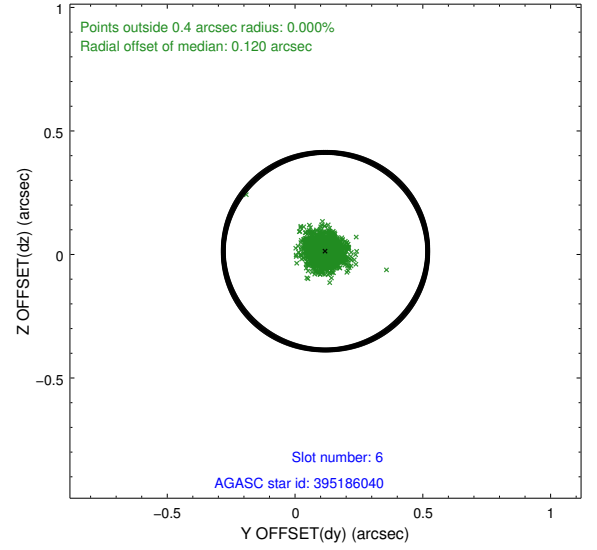
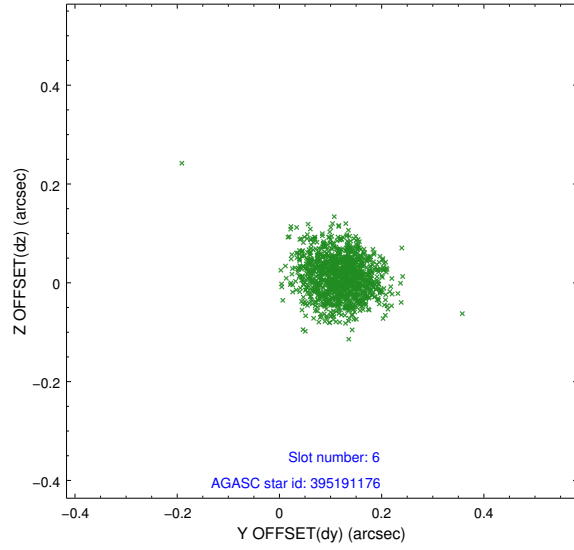
2.4.2 Slot 4



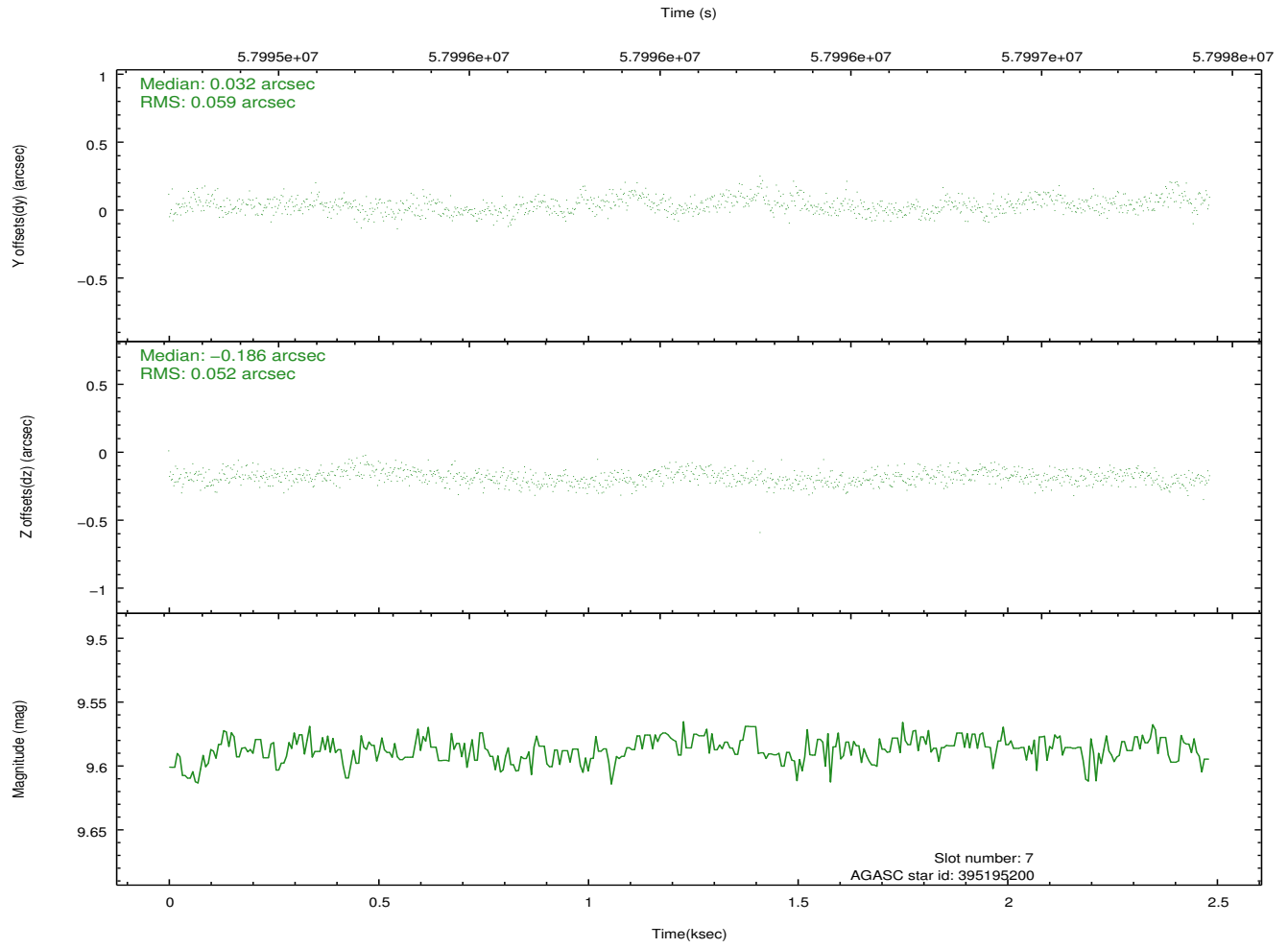
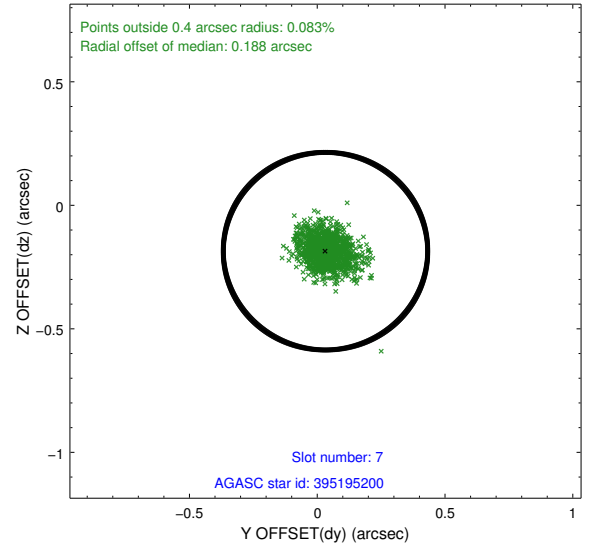
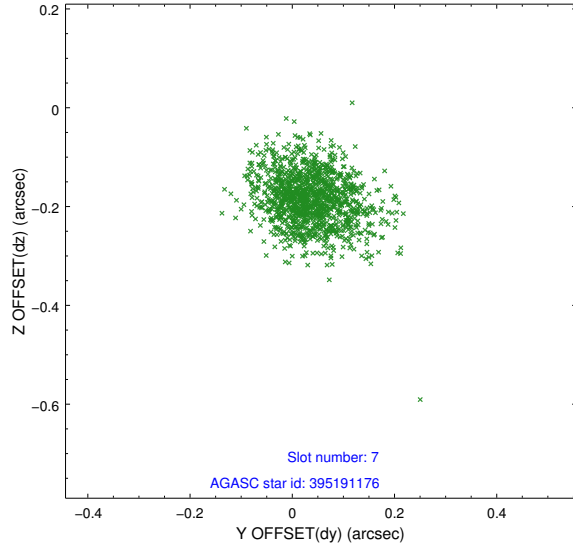
2.4.3 Slot 5



2.4.4 Slot 6

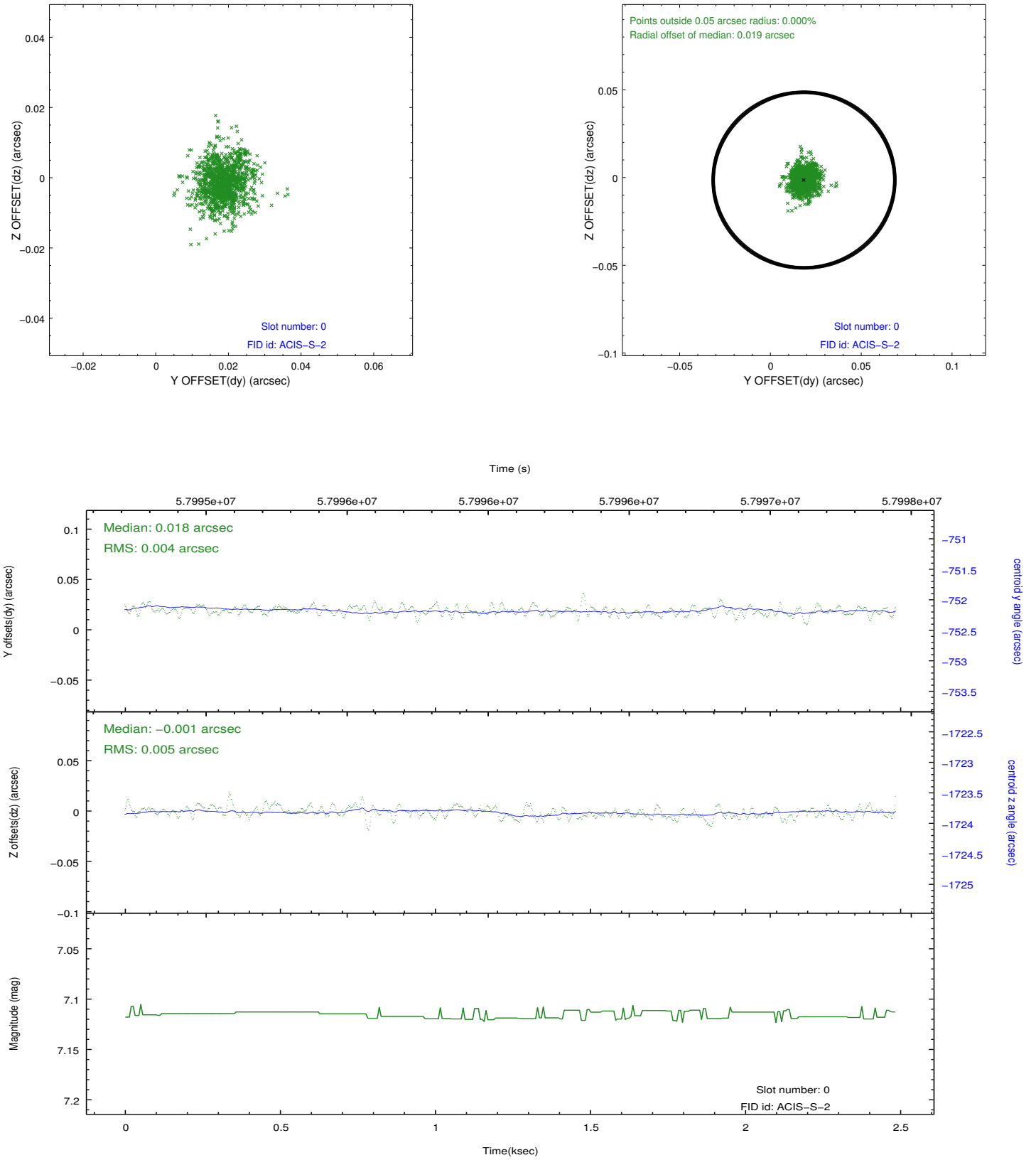


2.4.5 Slot 7

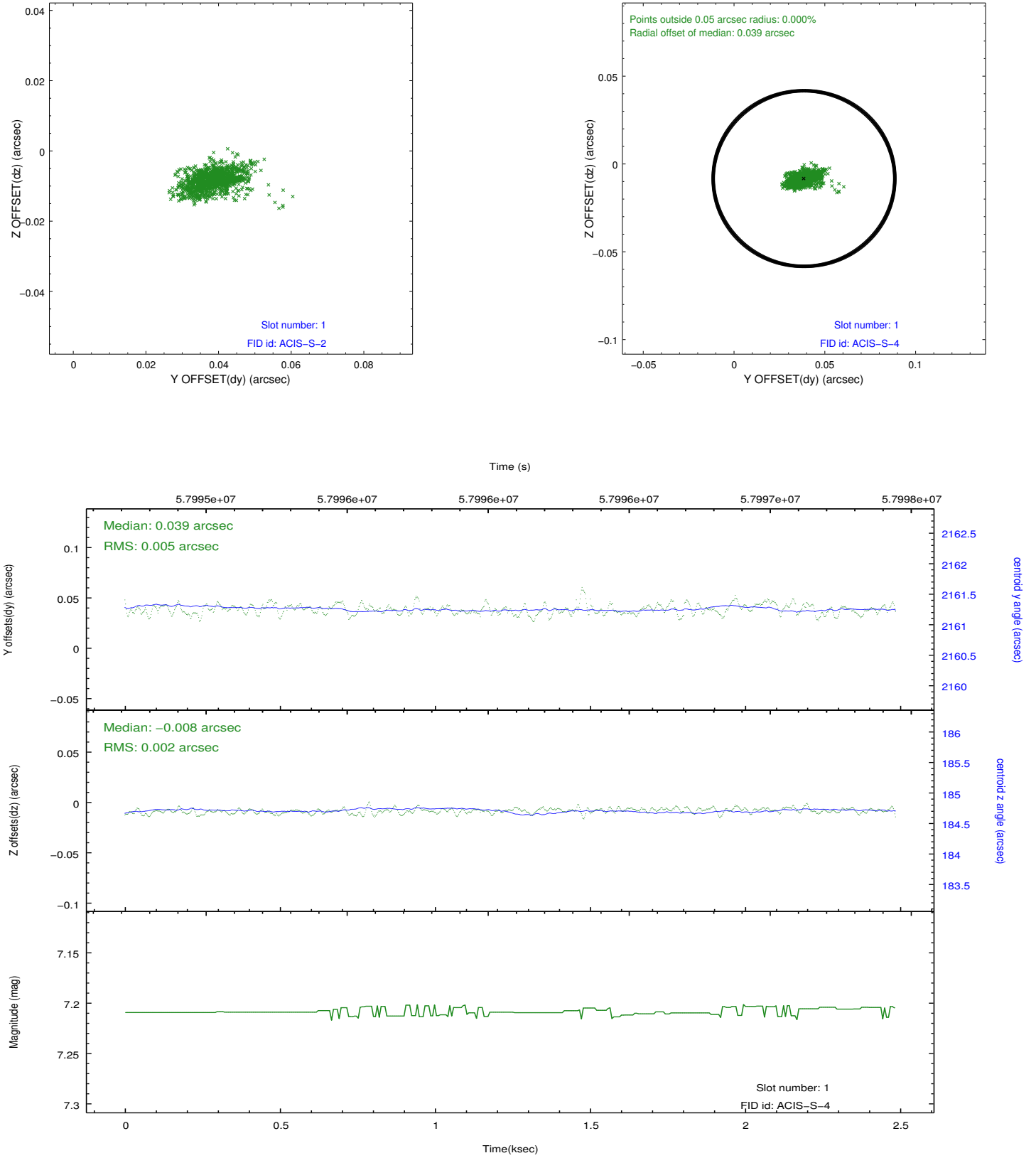


2.5 FID Slots

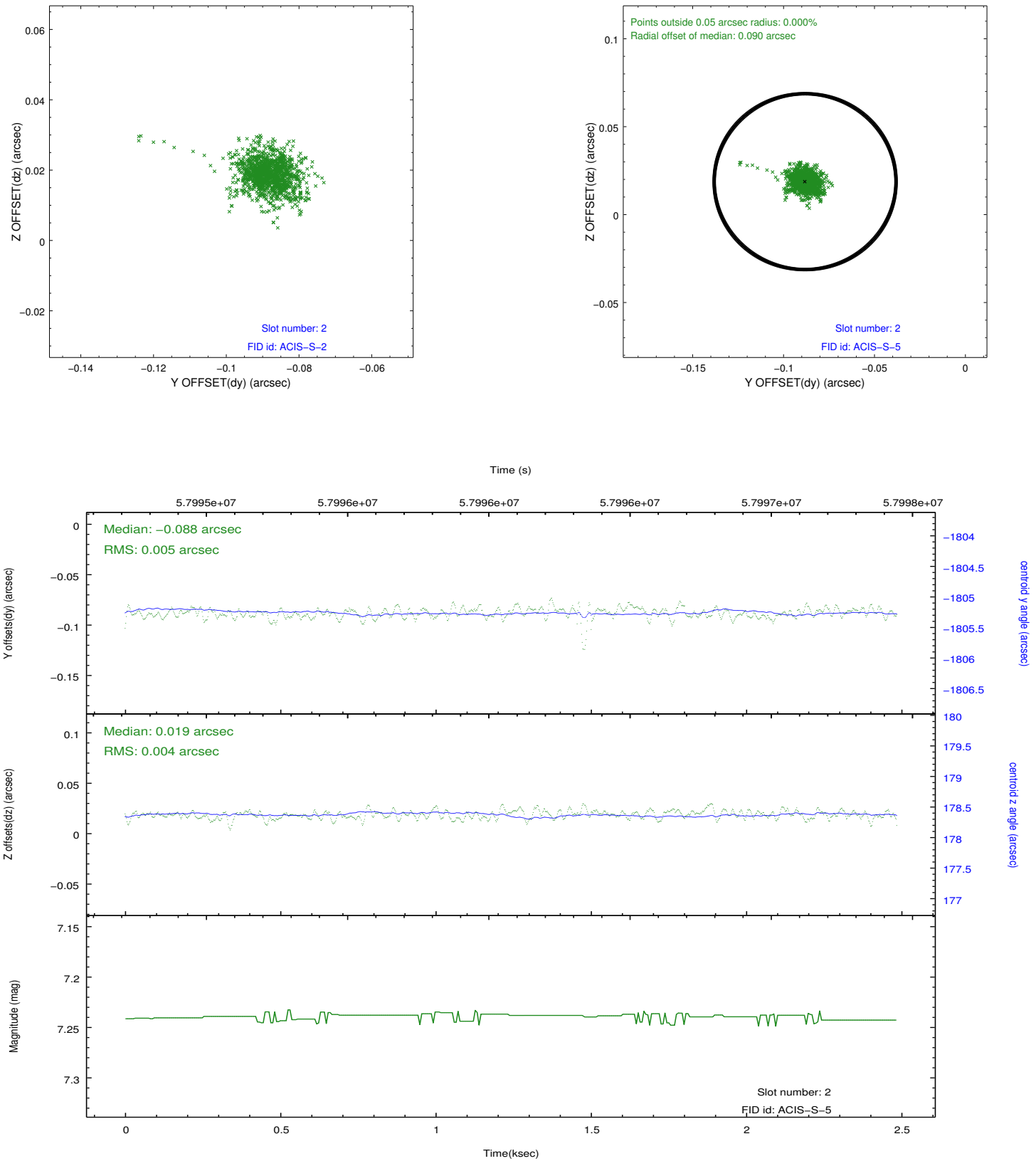
2.5.1 Slot 0



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	1.772

A.2 Comments

Slot 3 has a discontinuity lasting about a quarter of a ksec.

Charge time for this ObsId remains at previous value of 1.772 ksec, although with the current processing the charge time would have been 1.769 ksec.

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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.