

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 1271 - L2 Version 2

Chandra X-Ray Center

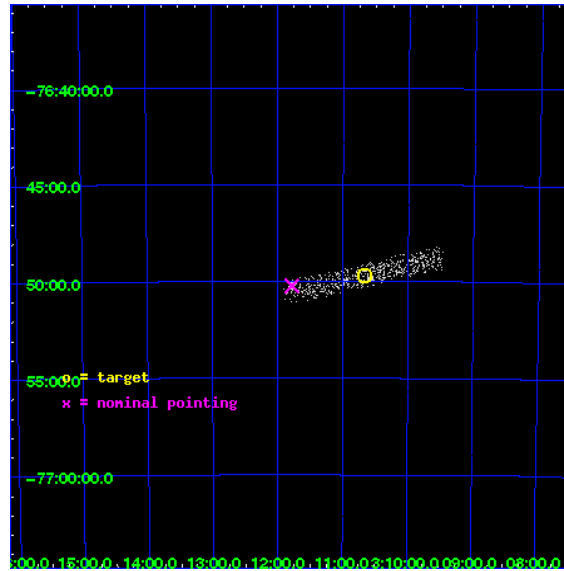
L2 Processing Date : Dec 17 2009

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1 Front

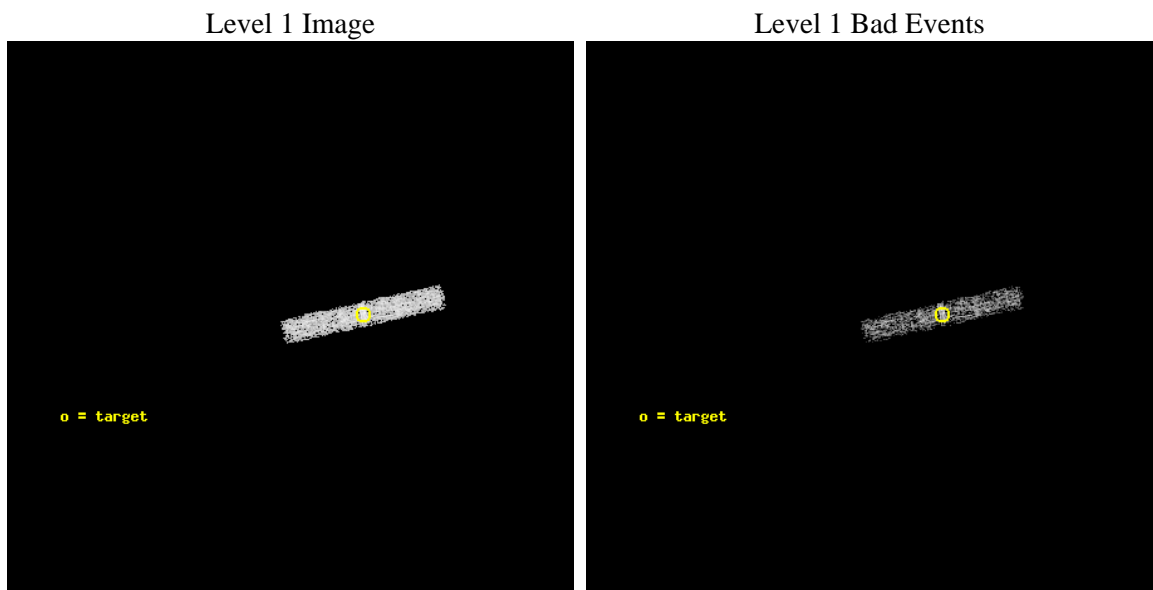
seq_num	780221	Sequence number
obs_id	1271	Observation id
title	Blank sky; mispointed calibration	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Blank Sky	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	47.6659	Observer's specified target RA
dec_targ	-76.8284	Observer's specified target Dec
ra_nom	47.945674810732	Nominal RA
dec_nom	-76.83725859072	Nominal Dec
roll_nom	77.846683591173	Nominal Roll
revision	2	Processing version of data
ontime	4856.5	Sum of GTIs [s]
livetime	4488.1154812953	Livetime [s]
ontime3	4856.5	Sum of GTIs [s]
l2events	602	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	Scheduled observation exposure time
ascdsver	8.1.2	ASCDS version number	ontime	4856.5	Sum of GTIs [s]
caldbver	4.1.4	 	ontime3	4856.5	Sum of GTIs [s]
date	2009-12-17T06:48:35	Date and time of file creation	l1events	10481	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

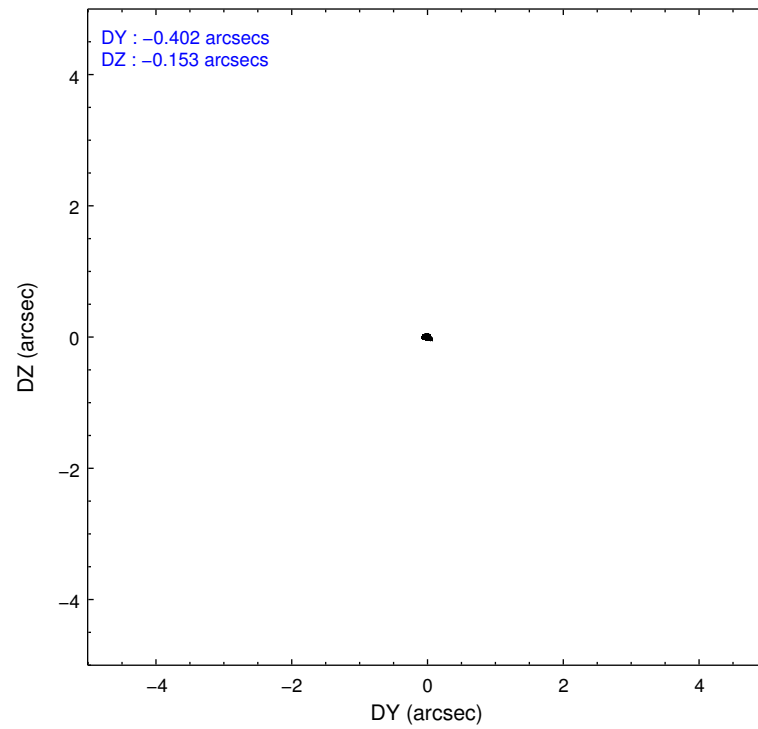
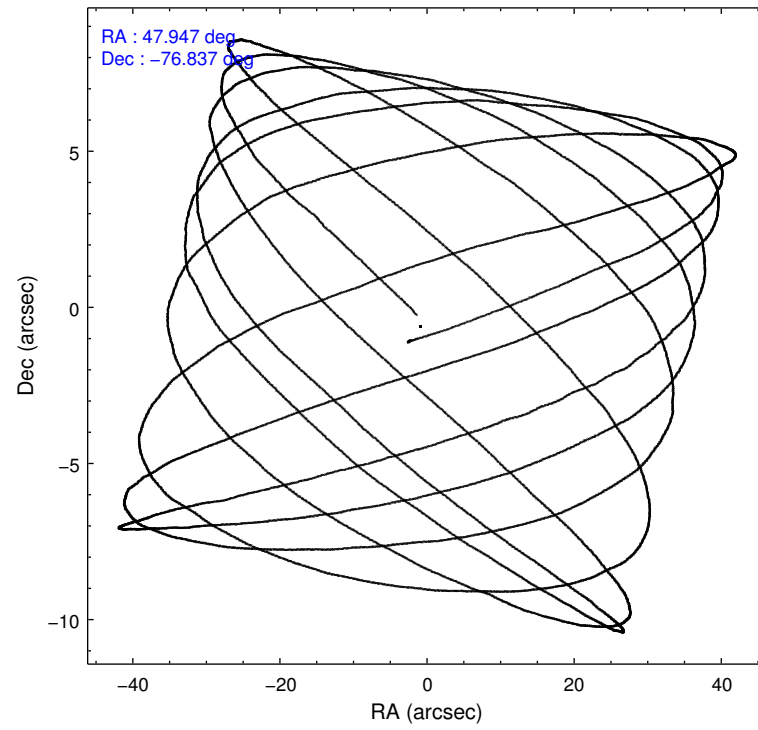
	ccd 3
level 1 events	10481
rejected events	9662
rejected %	92%

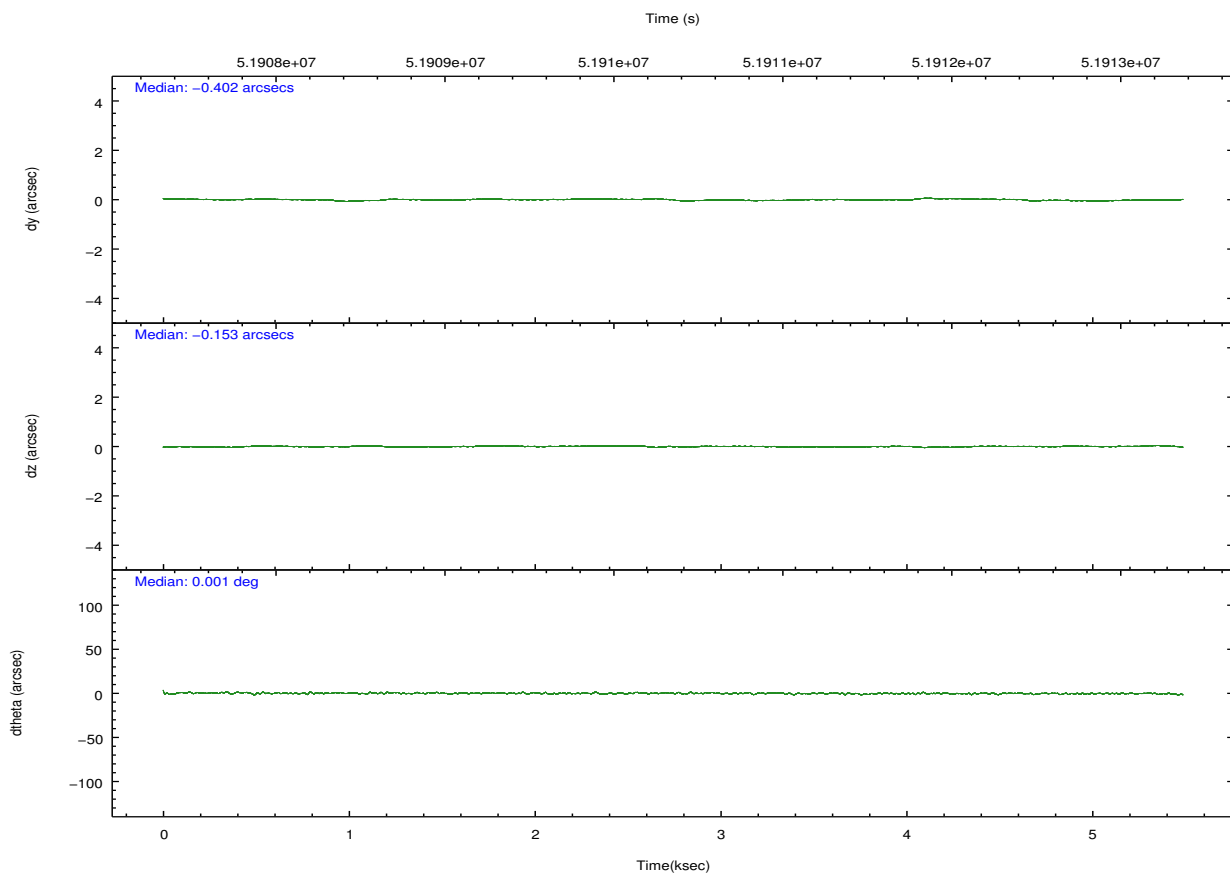
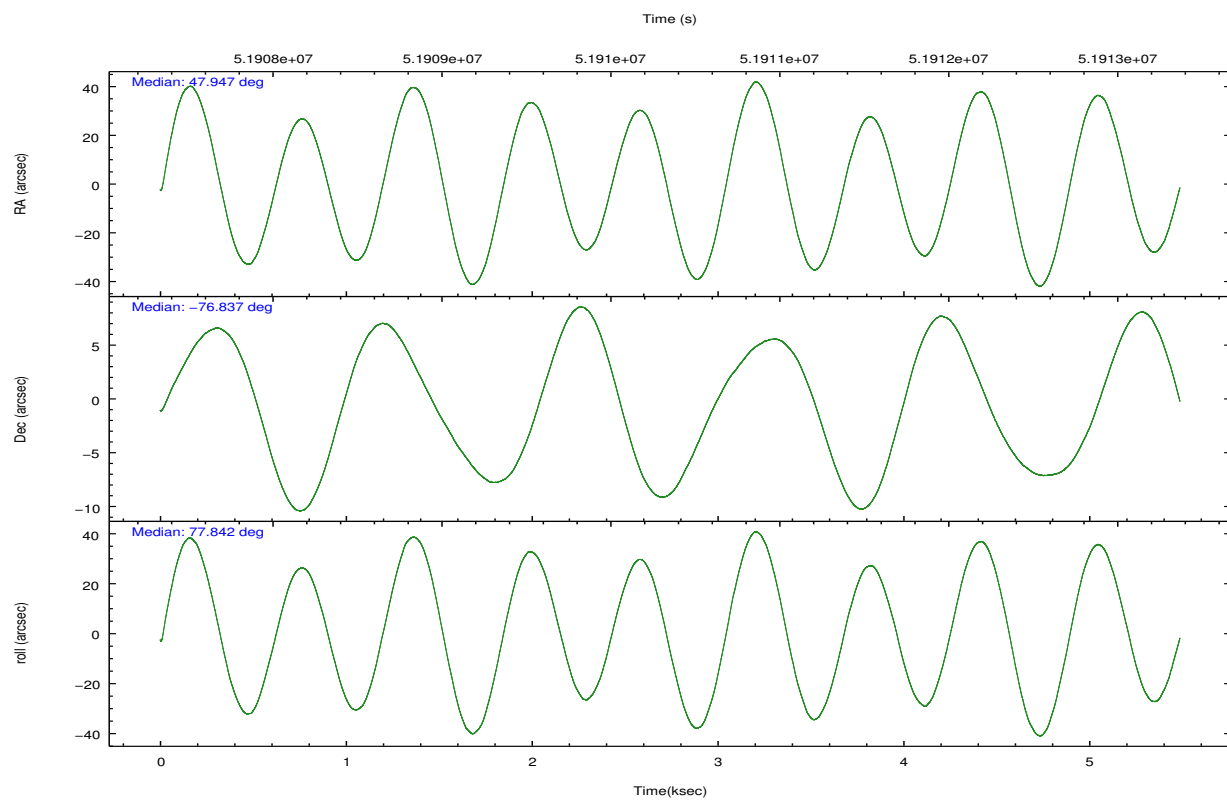
	ccd 3
grade 0 events	178
	1%
grade 1 events	0
	0%
grade 2 events	196
	1%
grade 3 events	173
	1%
grade 4 events	123
	1%
grade 5 events	149
	1%
grade 6 events	149
	1%
grade 7 events	9513
	90%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-3	ACIS-3	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	47.979984	47.94567481073238	Subarray requested	CUSTOM	1/8
Pointing Dec	-76.864165	-76.8372585907198	Subarray start row	896	896
Pointing Roll	77.671407	77.84668359117337	Subarray row count	128	128
SIM focus pos (mm)	-1.282348	-1.21938489376697	Alternating exposures requested	N	N
SIM defocus (mm)	-0.5	-0.4370366781869839	Primary exposure time	0.000000	0.5
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	51908094.184000	51907421.264904			
Observation start date	1999-08-24T18:53:50	1999-08-24T18:43:41			
Observation end time	51913094.184000	51913692.215129			
Observation end date	1999-08-24T20:17:10	1999-08-24T20:28:12			
Read mode	TIMED	TIMED			

2.3 Aspect



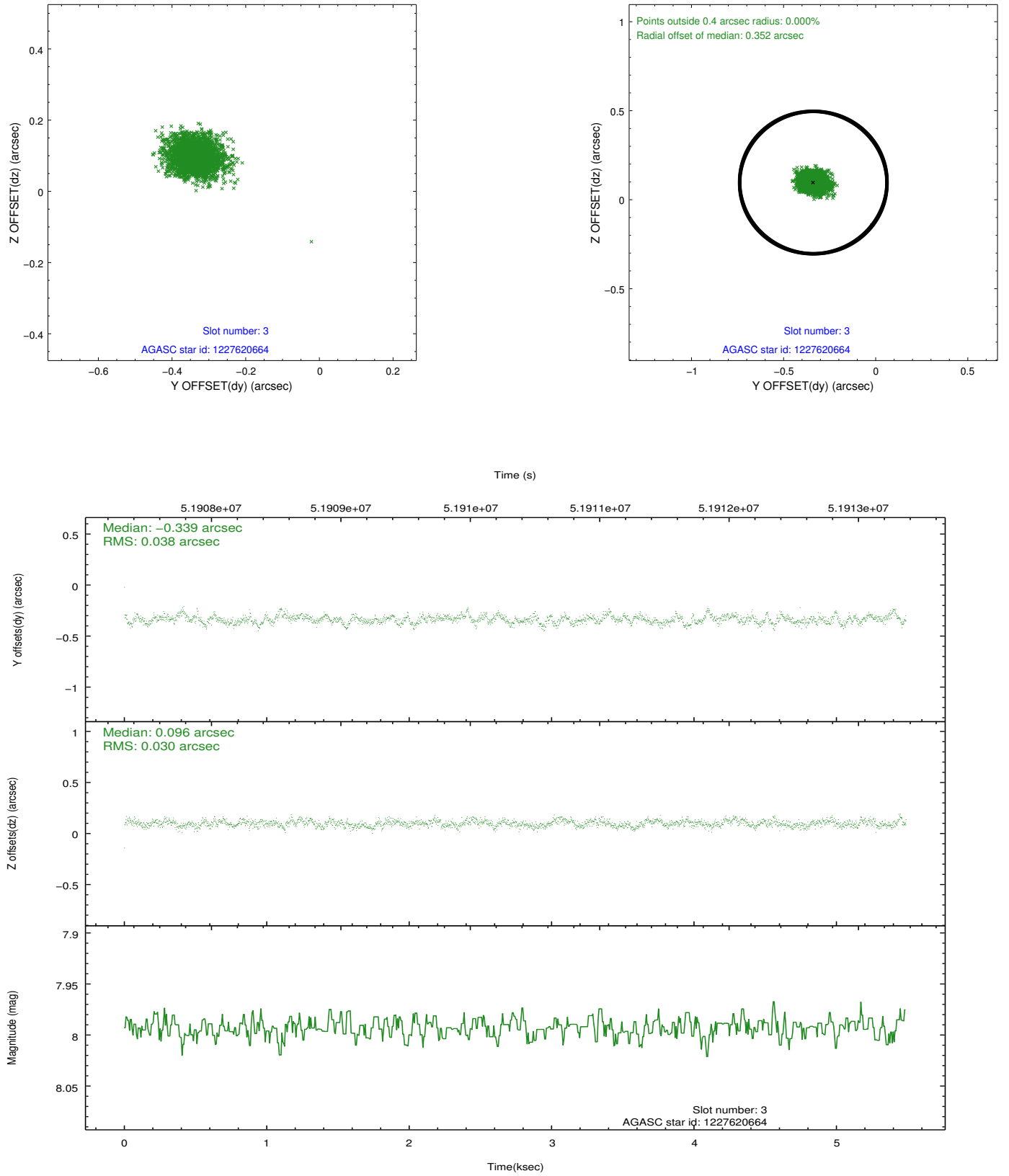


Slot Statistics

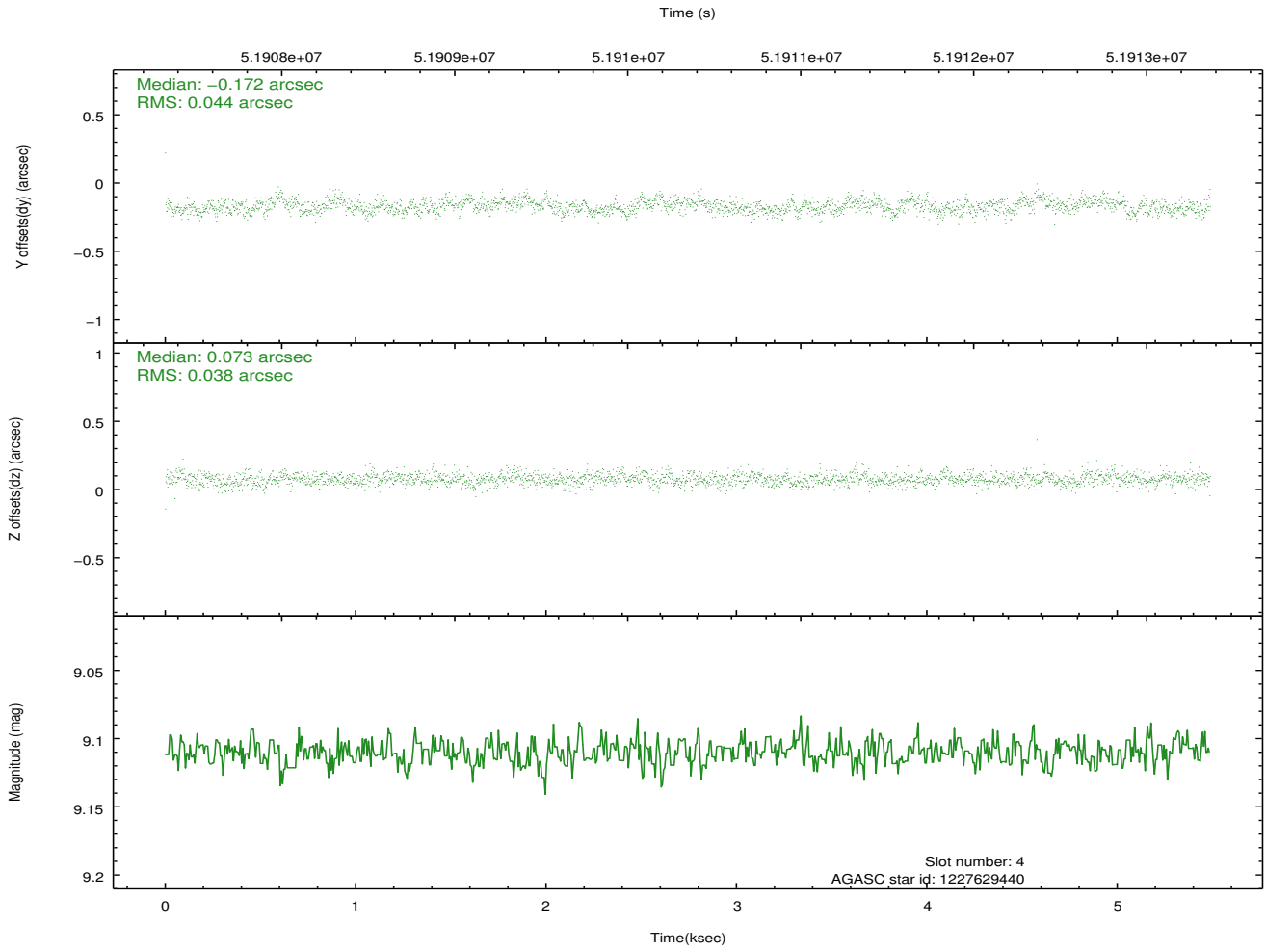
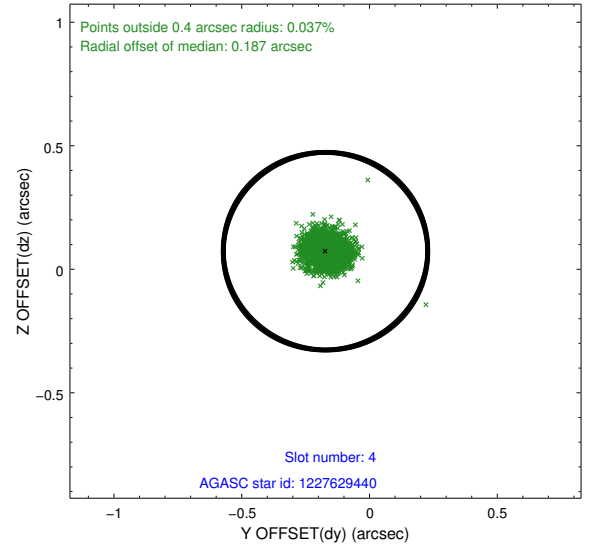
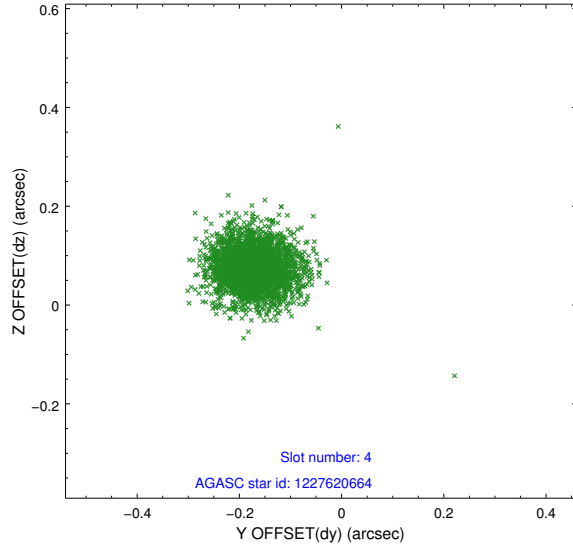
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.20	2678	-0.038	0.044	0.010	0.016	0.000000	0.000000	-753.93	-829.28
1	FID	ACIS-I-4	7.24	2678	0.156	0.018	0.007	0.012	0.000000	0.000000	2160.09	1076.38
2	FID	ACIS-I-5	7.23	2678	-0.220	0.007	0.008	0.014	0.000000	0.000000	-1807.18	1074.98
3	GUIDE	1227620664	7.99	2678	-0.339	0.096	0.049	0.084	46.150563	-77.166043	-1397.75	1192.87
4	GUIDE	1227629440	9.11	2675	-0.172	0.073	0.060	0.101	48.268116	-77.028500	-530.54	-352.61
5	GUIDE	1227104240	9.79	2677	-0.080	0.032	0.101	0.159	48.955462	-76.524572	1361.15	-538.96
6	GUIDE	1227097864	9.92	2674	0.978	-0.280	0.089	0.148	46.669937	-76.763312	112.73	1130.20
7	GUIDE	1227098648	9.62	2677	-0.392	0.080	0.083	0.136	45.933257	-76.269428	1687.07	2160.47

2.4 Star Slots

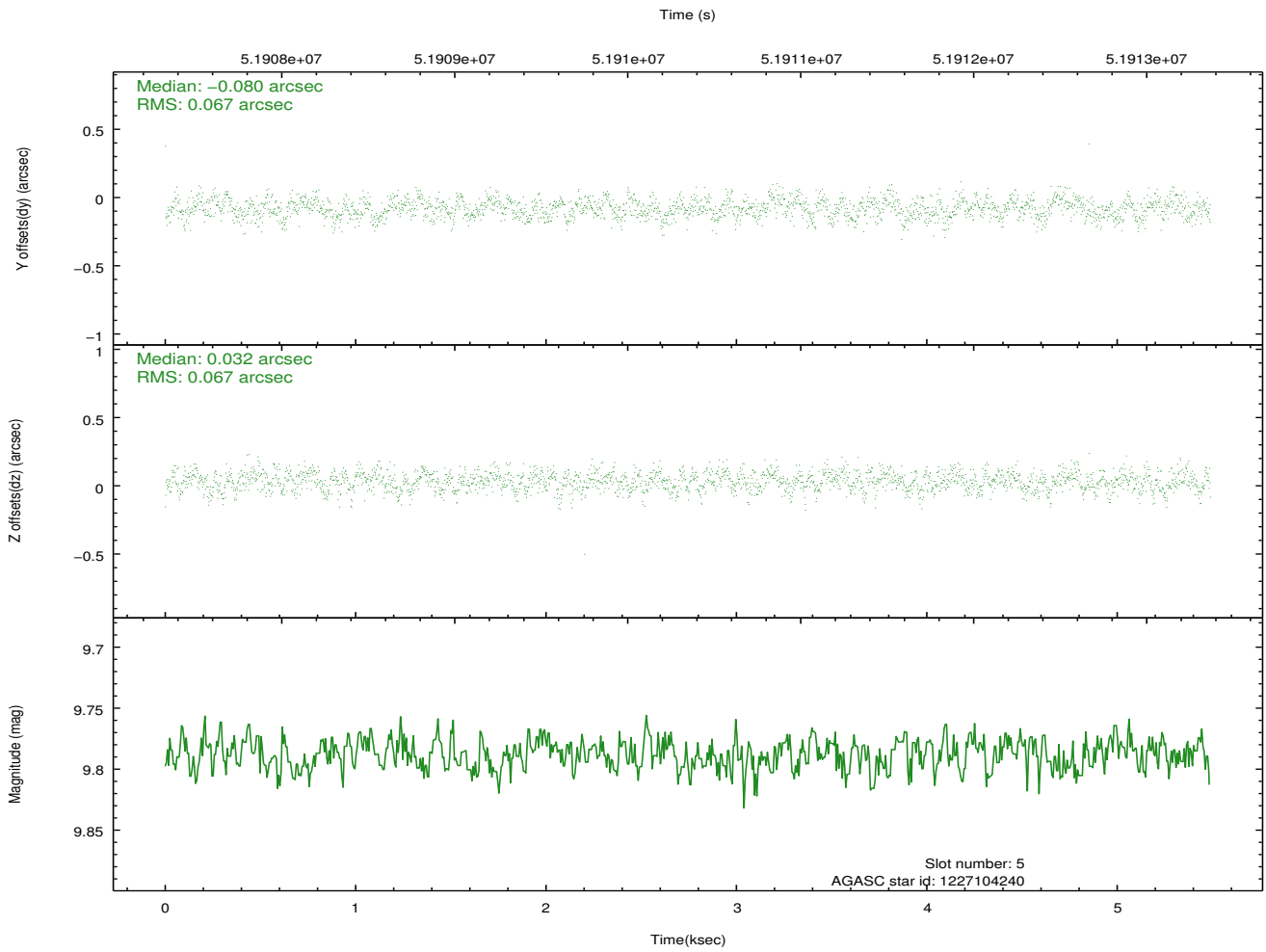
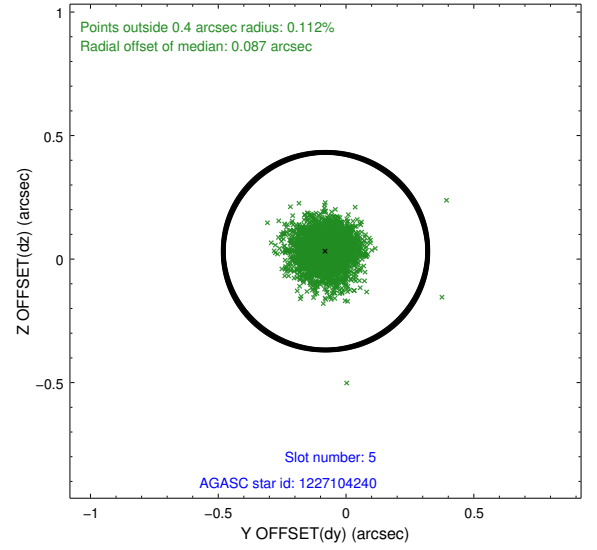
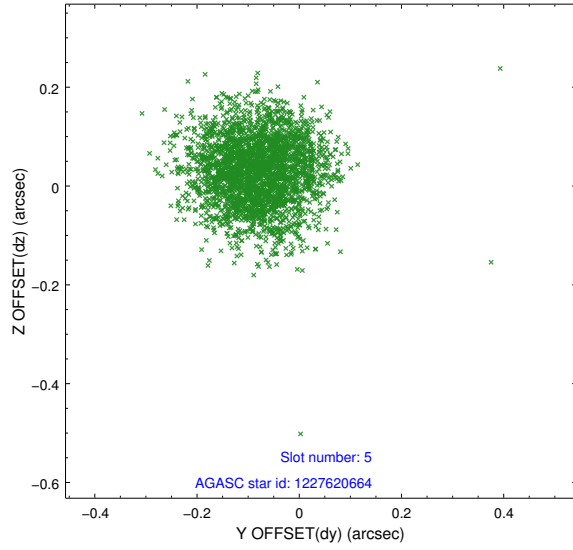
2.4.1 Slot 3



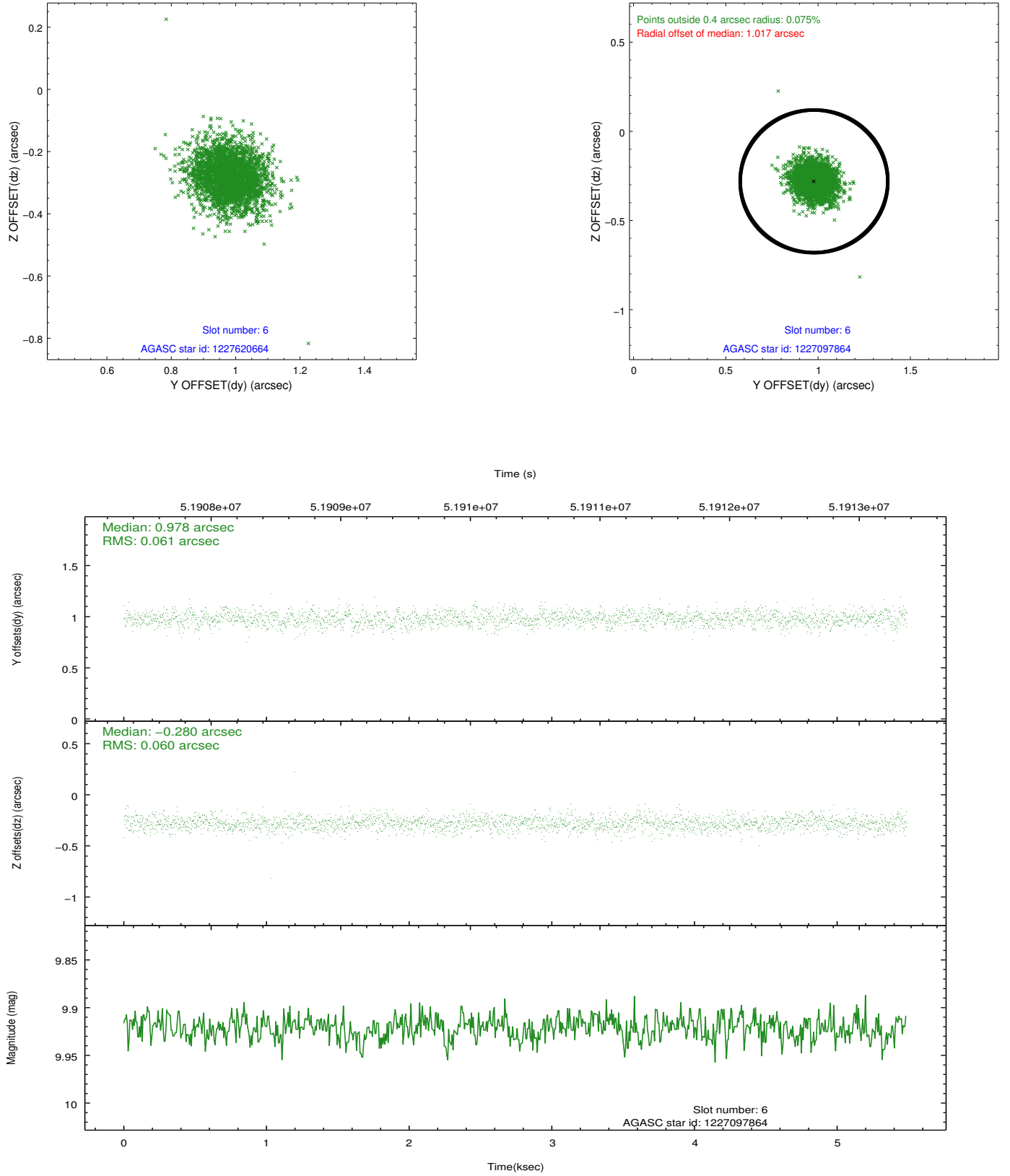
2.4.2 Slot 4



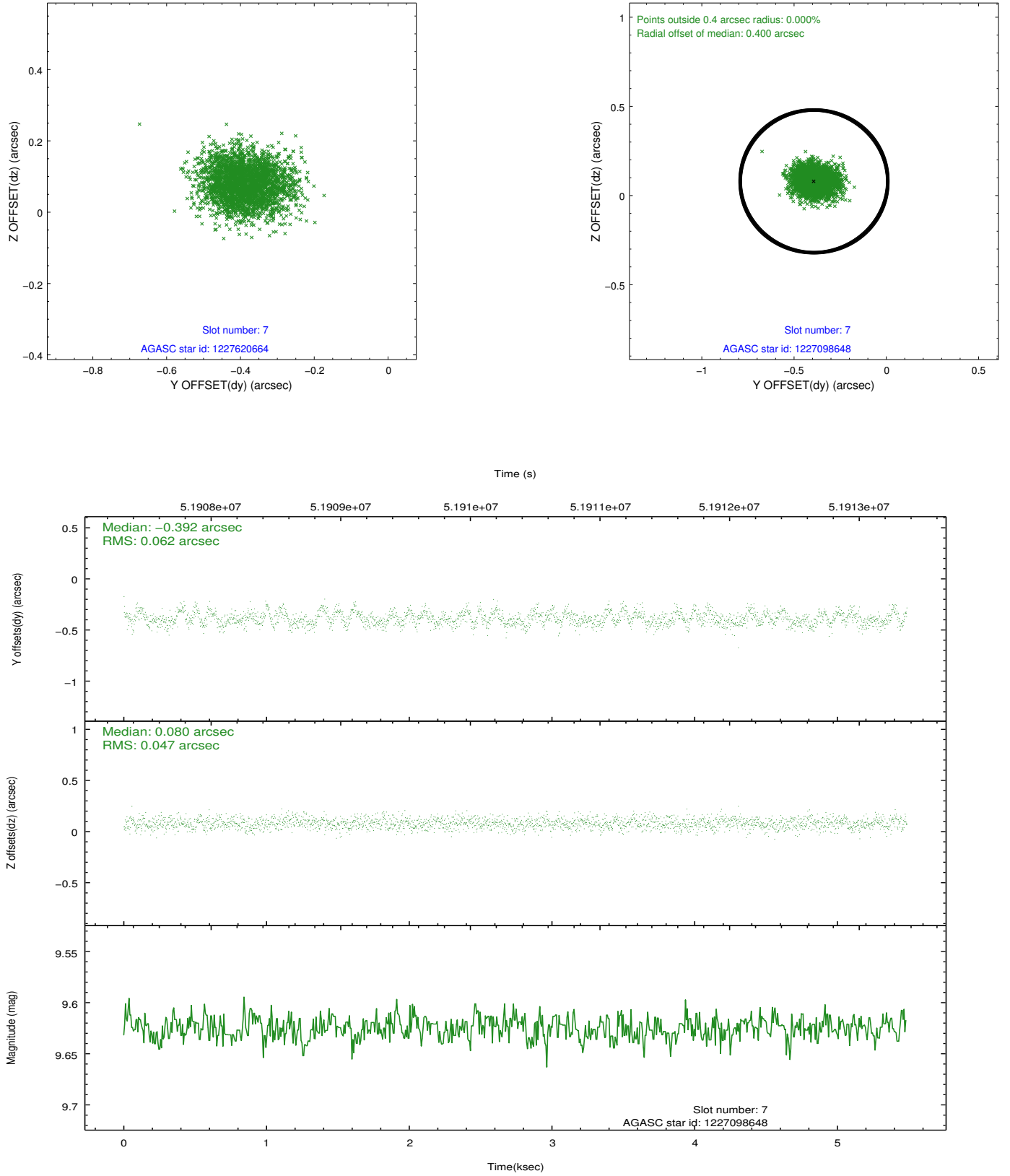
2.4.3 Slot 5



2.4.4 Slot 6

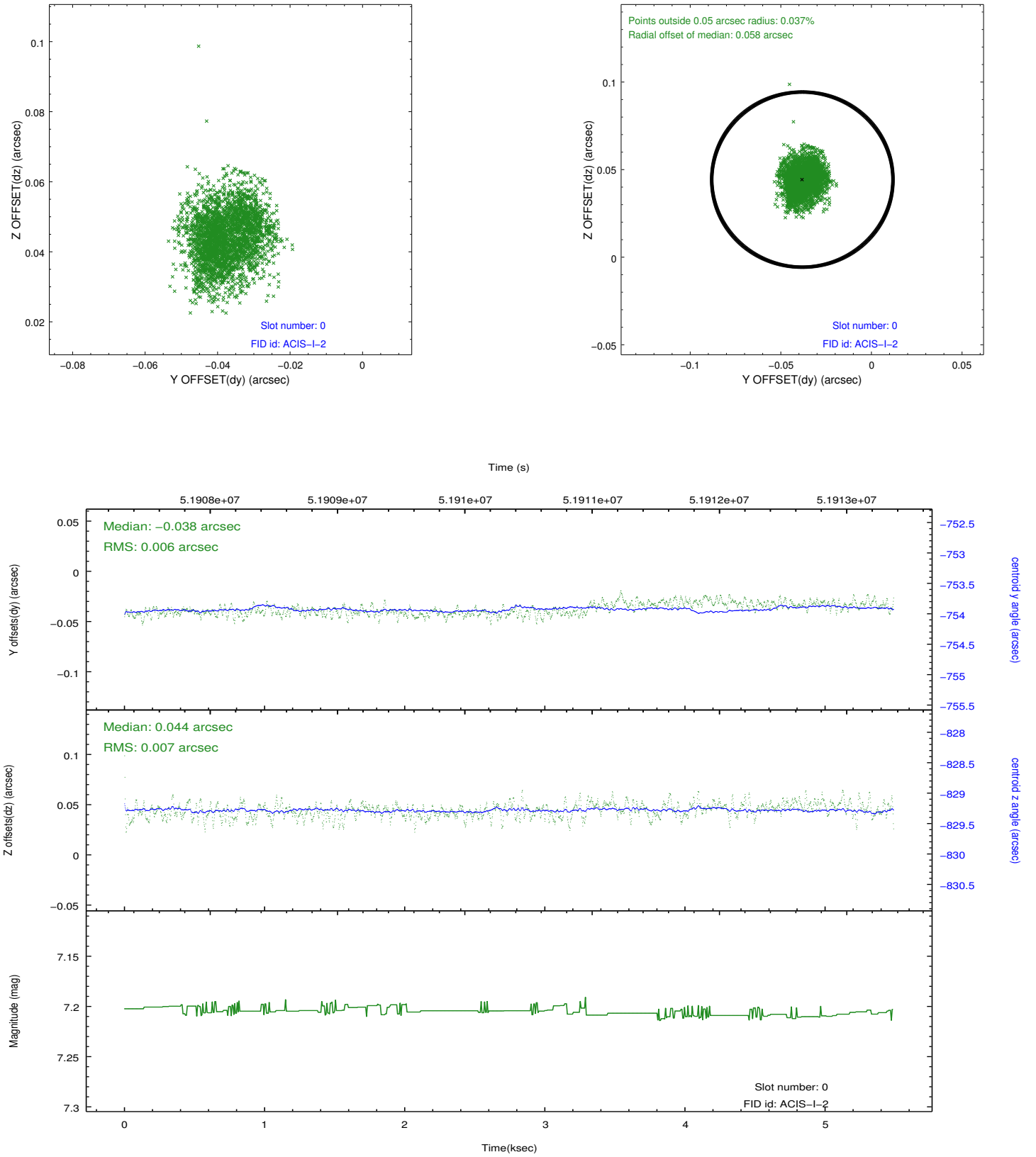


2.4.5 Slot 7

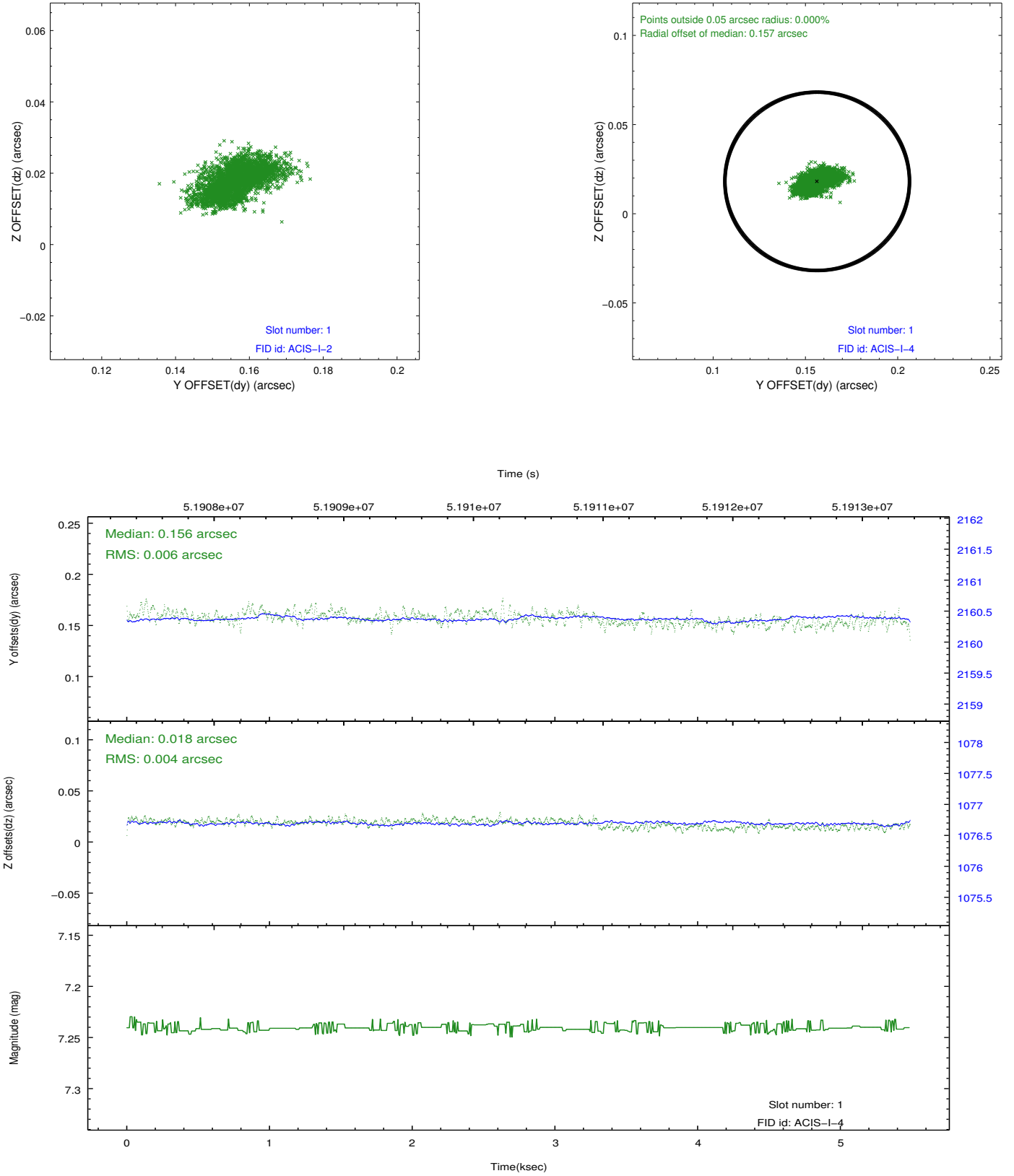


2.5 FID Slots

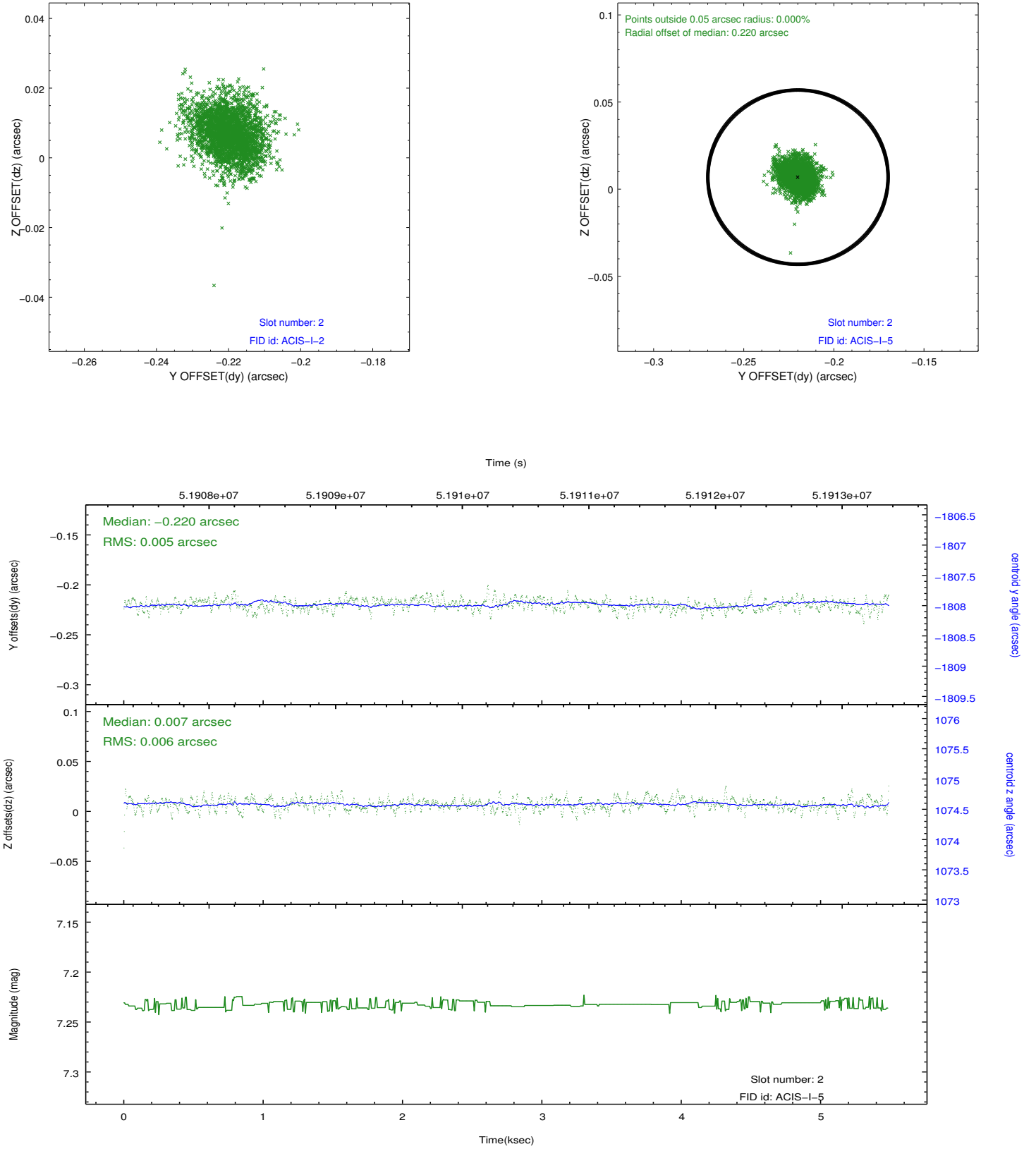
2.5.1 Slot 0



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)	2010.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.27

A.2 Comments

There was an incorrect boresight alignment calculation for this obsid.
The pointing is therefore inaccurate and not of the intended field.

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Charge time remains at previous value of 6.27 ksec, although with the
current

processing the charge time would have been 4.85 ksec.

====

Focal plane temperature is approximately -100 C degrees during this
observation. ACIS has not been calibrated at this temperature, because
the focal plan temperature of -119.7 C degrees became the standard
shortly

after the start of the mission. Both front and back illuminated chips
are affected.

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 this temperature.