

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 750 - L2 Version 4

Chandra X-Ray Center

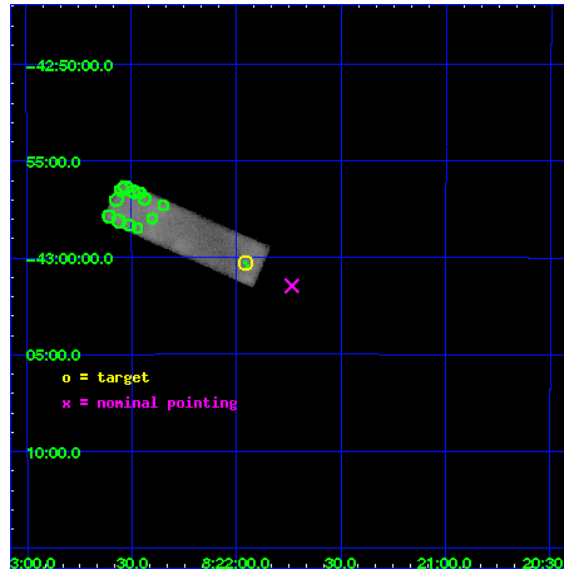
L2 Processing Date : Nov 29 2009

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1 Front

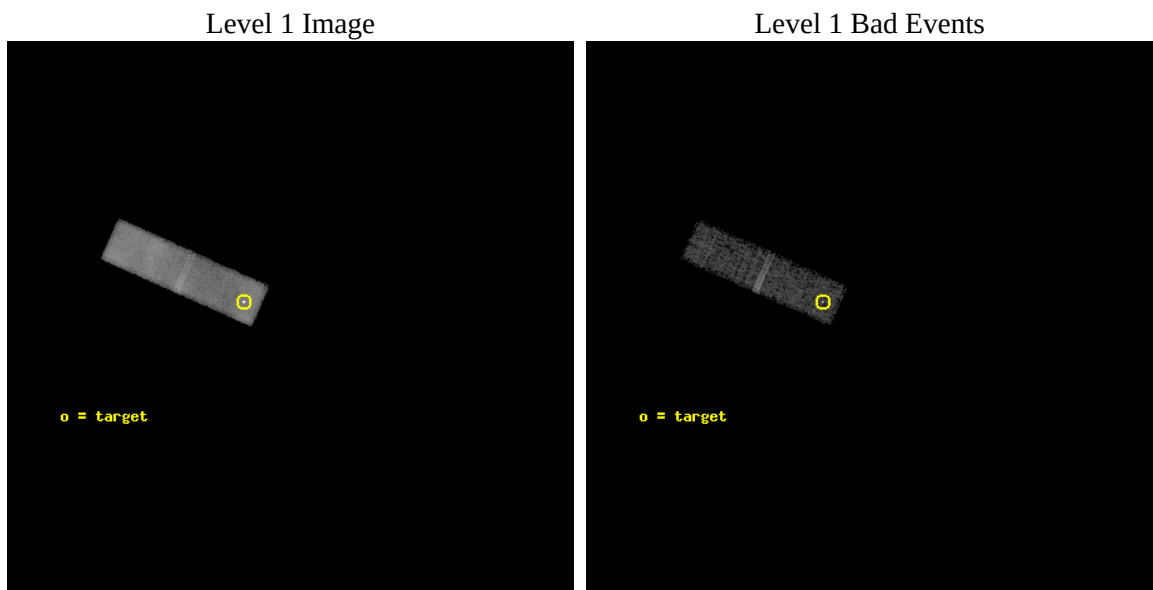
seq_num	500046	Sequence number
obs_id	750	Observation id
title	RADIO-SILENT NEUTRON STARS IN SUPERNOVA REMNANTS	Proposal title
observer	Dr. George Pavlov	Principal investigator
object	RX J0822-4300	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	125.489583	Observer's specified target RA
dec_targ	-43.004361	Observer's specified target Dec
ra_nom	125.43371682733	Nominal RA
dec_nom	-43.024420472317	Nominal Dec
roll_nom	23.907189245027	Nominal Roll
revision	4	Processing version of data
ontime	11938.399955526	Sum of GTIs [s]
livetime	11355.845101804	Livetime [s]
ontime6	11938.399955526	Sum of GTIs [s]
l2events	97465	Number of level 2 events



2 OBI

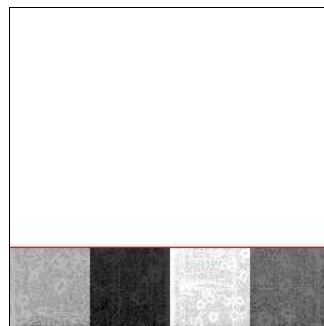
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 6



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	11938.399955526	Sum of GTIs [s]
caldbver	4.1.4	 	ontime6	11938.399955526	Sum of GTIs [s]
date	2009-11-29T20:53:11	Date and time of file creation	l1events	133043	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

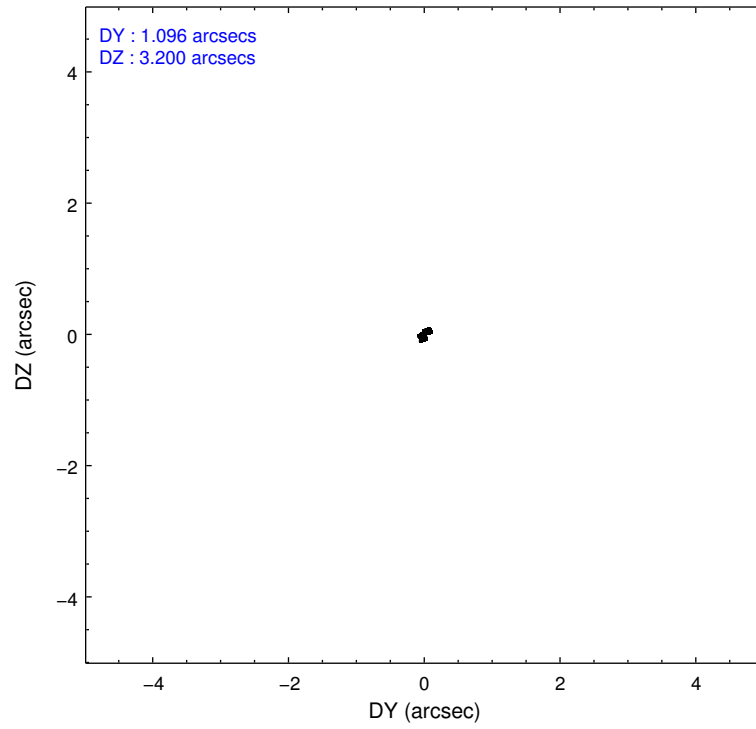
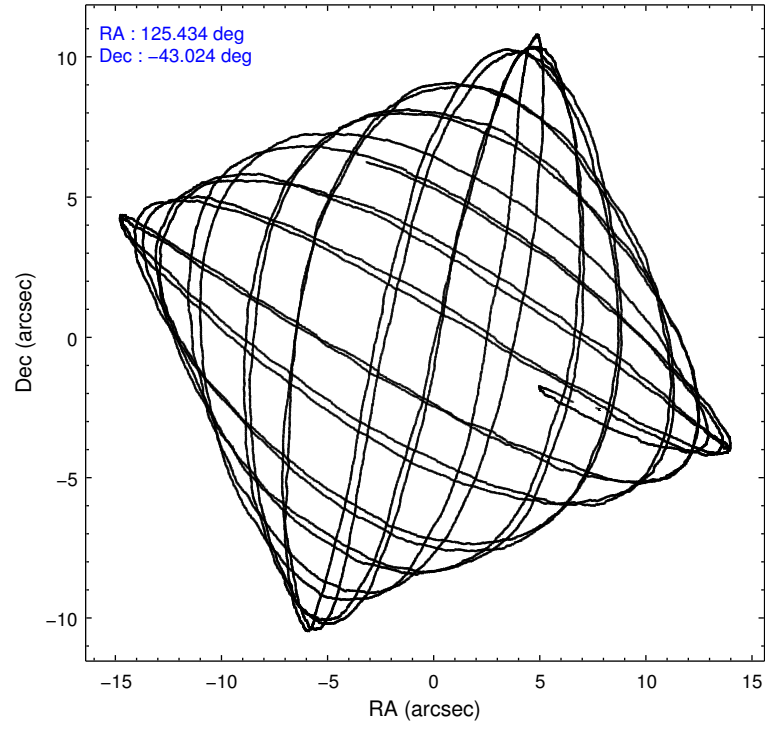
	ccd 6
level 1 events	133043
rejected events	33837
rejected %	25%

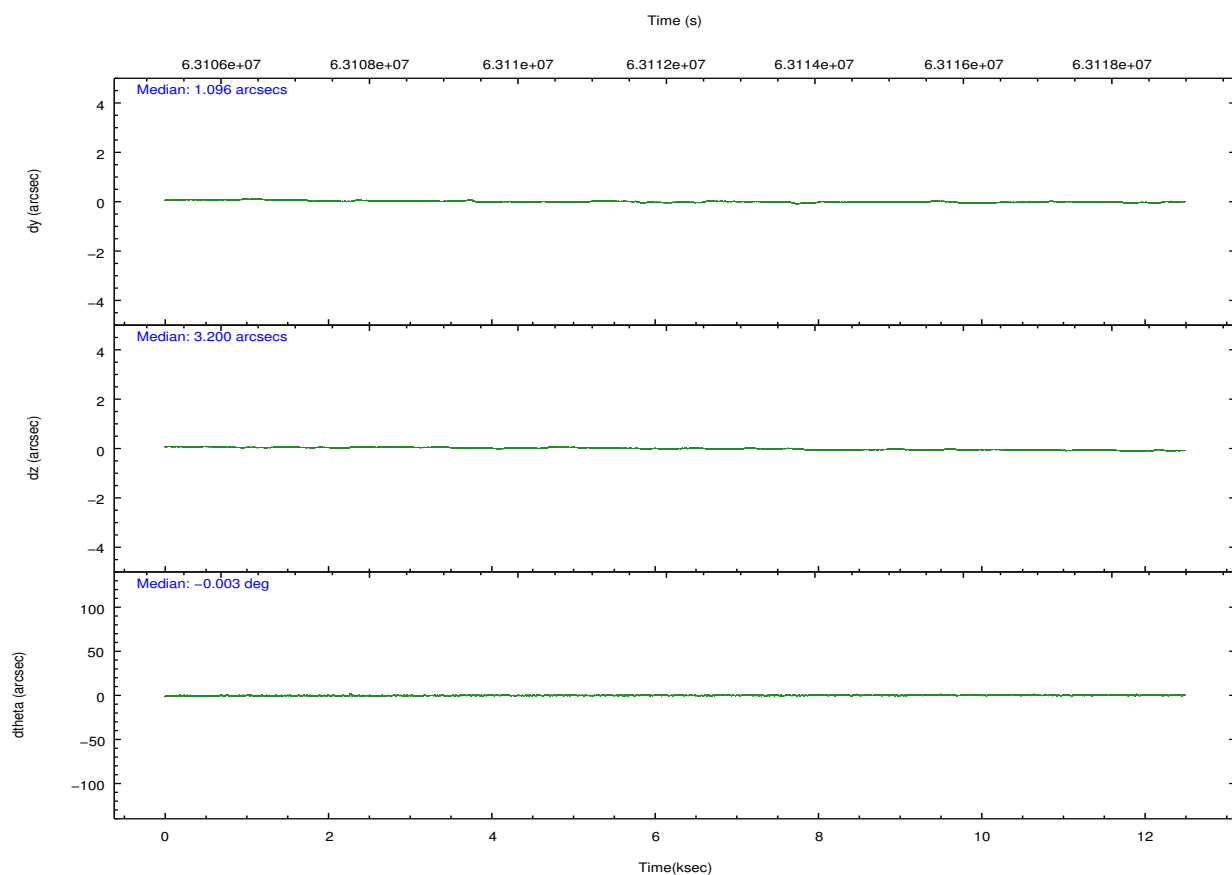
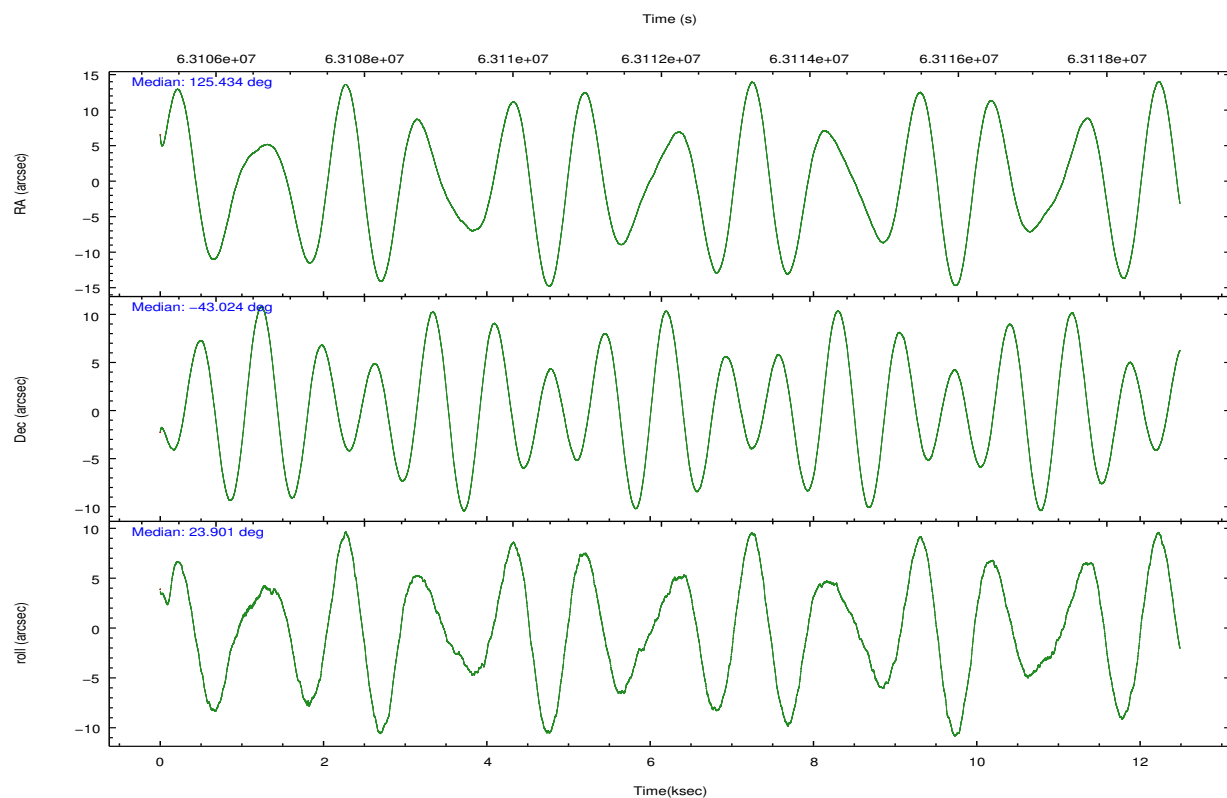
	ccd 6
grade 0 events	84152
	63%
grade 1 events	448
	0%
grade 2 events	8705
	6%
grade 3 events	2460
	1%
grade 4 events	2404
	1%
grade 5 events	943
	0%
grade 6 events	1499
	1%
grade 7 events	32432
	24%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-6	ACIS-6	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	125.411416	125.433716827332	Subarray requested	CUSTOM	1/4
Pointing Dec	-43.046640	-43.02442047231701	Subarray start row	1	1
Pointing Roll	23.735345	23.90718924502668	Subarray row count	256	256
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.8
SIM translation stage pos (mm)	-181.332523	-181.3299052332056			
SIM translation stage offset (mm)	-8.800000000000001	-8.802617349802176			
Observation start time	63106360.184000	63105286.836592			
Observation start date	2000-01-01T09:31:36	2000-01-01T09:14:46			
Observation end time	63118360.184000	63119123.824594			
Observation end date	2000-01-01T12:51:36	2000-01-01T13:05:23			
Read mode	TIMED	TIMED			

2.3 Aspect



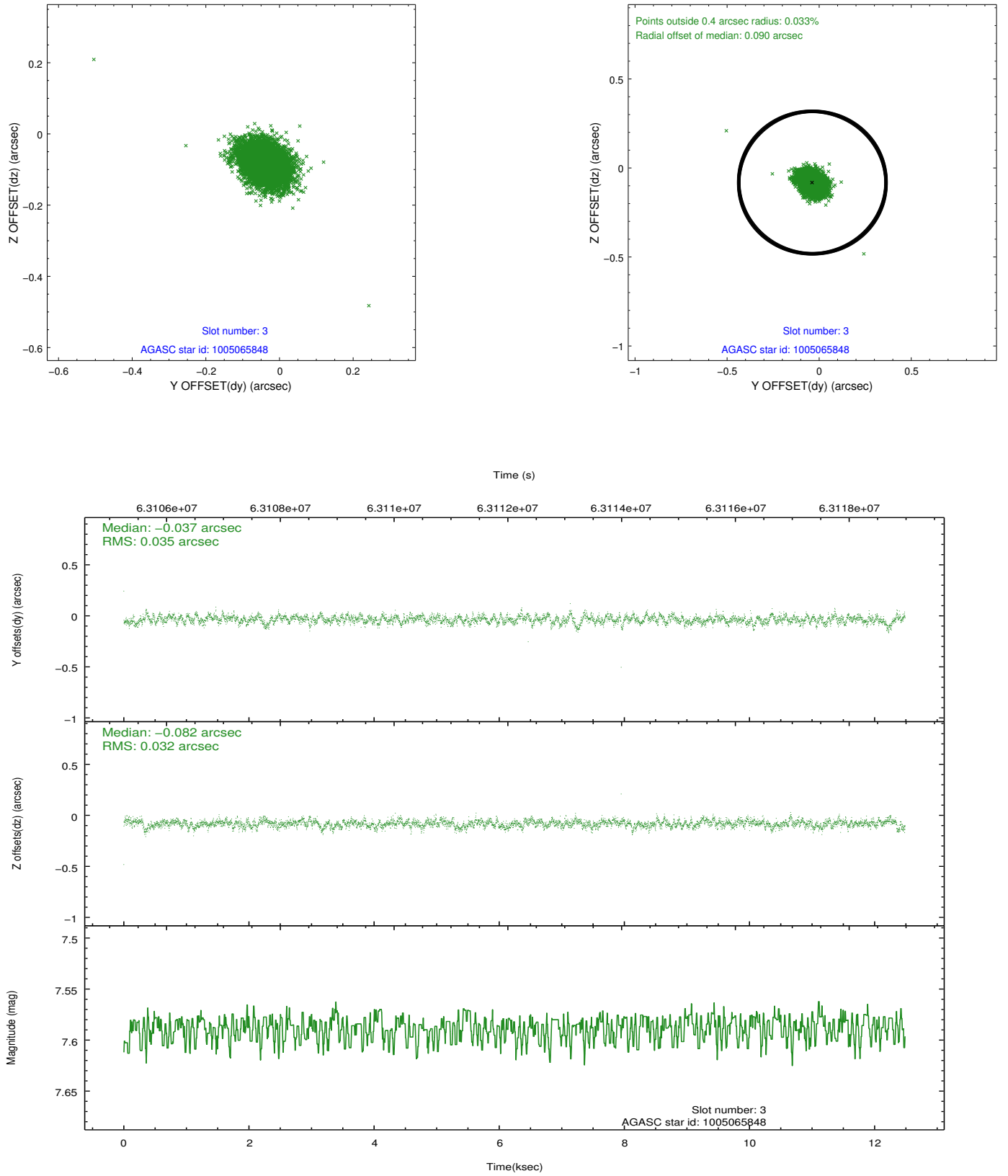


Slot Statistics

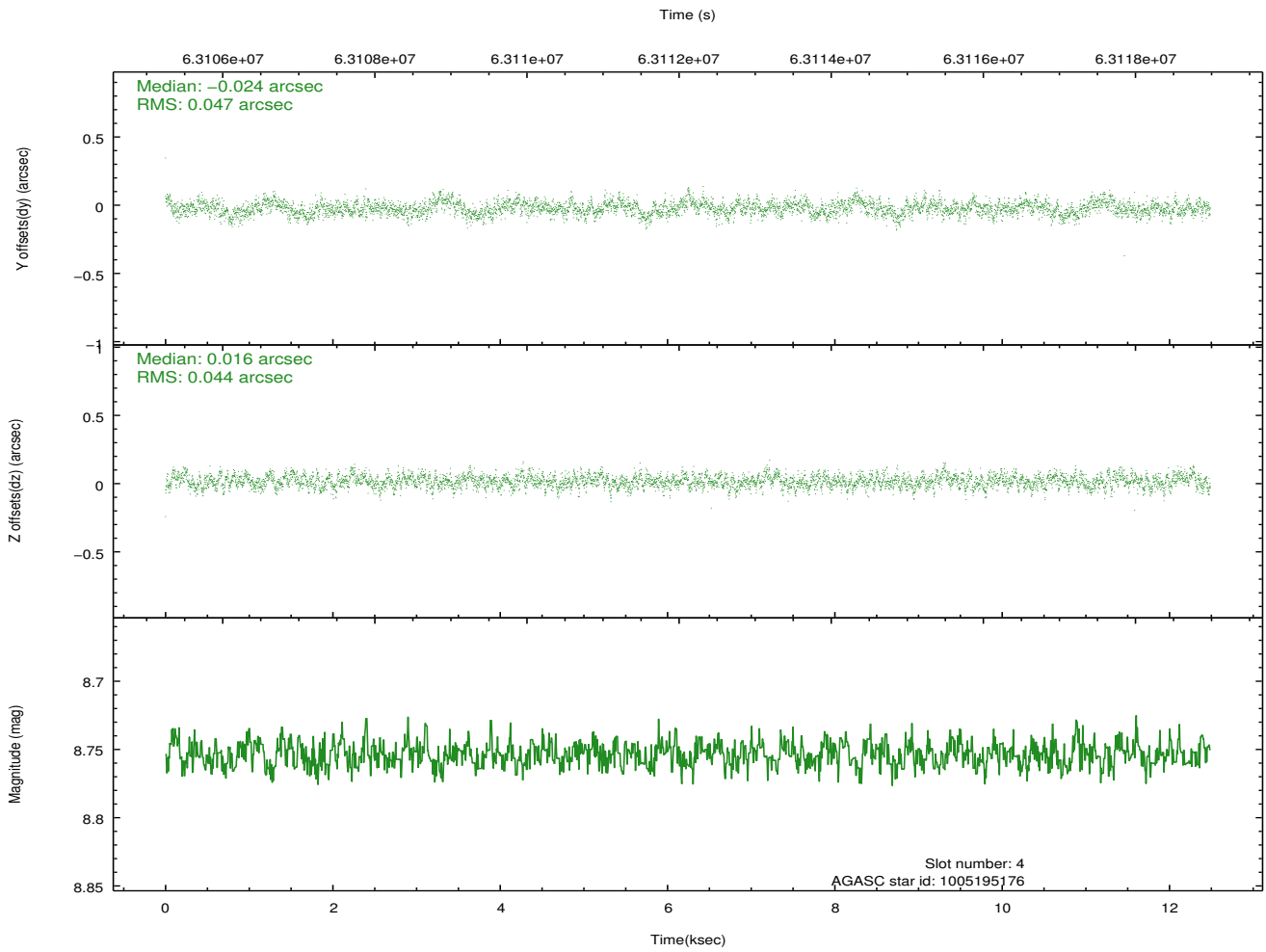
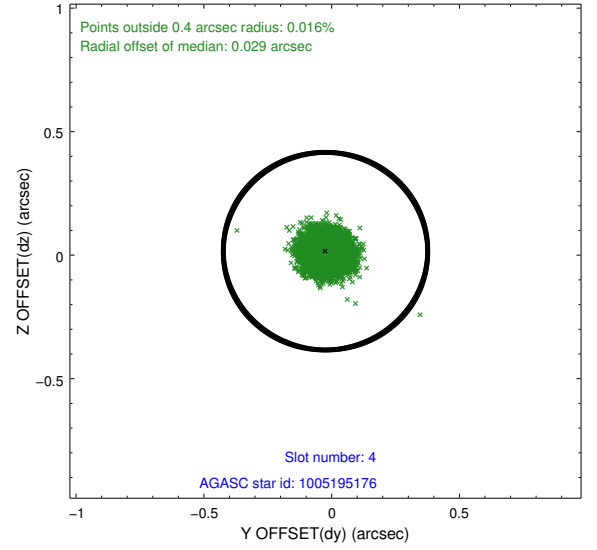
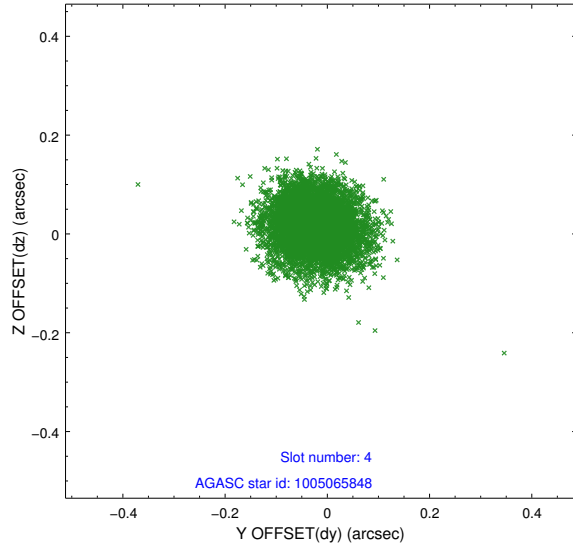
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6093	-0.043	-0.074	0.007	0.011	0.000000	0.000000	-753.12	-1905.63
1	FID	ACIS-S-4	7.18	6093	0.078	0.041	0.005	0.010	0.000000	0.000000	2160.25	2.77
2	FID	ACIS-S-5	7.22	6092	-0.066	0.041	0.007	0.011	0.000000	0.000000	-1805.81	-3.38
3	GUIDE	1005065848	7.59	6093	-0.037	-0.082	0.048	0.082	124.947854	-42.722303	-653.75	1558.82
4	GUIDE	1005195176	8.75	6092	-0.024	0.016	0.068	0.110	125.977053	-42.554964	2083.48	1012.20
5	GUIDE	1005721520	9.19	6083	-0.056	0.101	0.096	0.158	126.456840	-43.301208	2132.17	-1956.84
6	GUIDE	1005082096	9.84	6090	0.136	-0.172	0.139	0.222	124.508989	-42.672724	-1649.54	2181.04
7	GUIDE	1005730720	9.85	6081	-0.008	0.137	0.104	0.167	125.072000	-43.882384	-2017.95	-2401.40

2.4 Star Slots

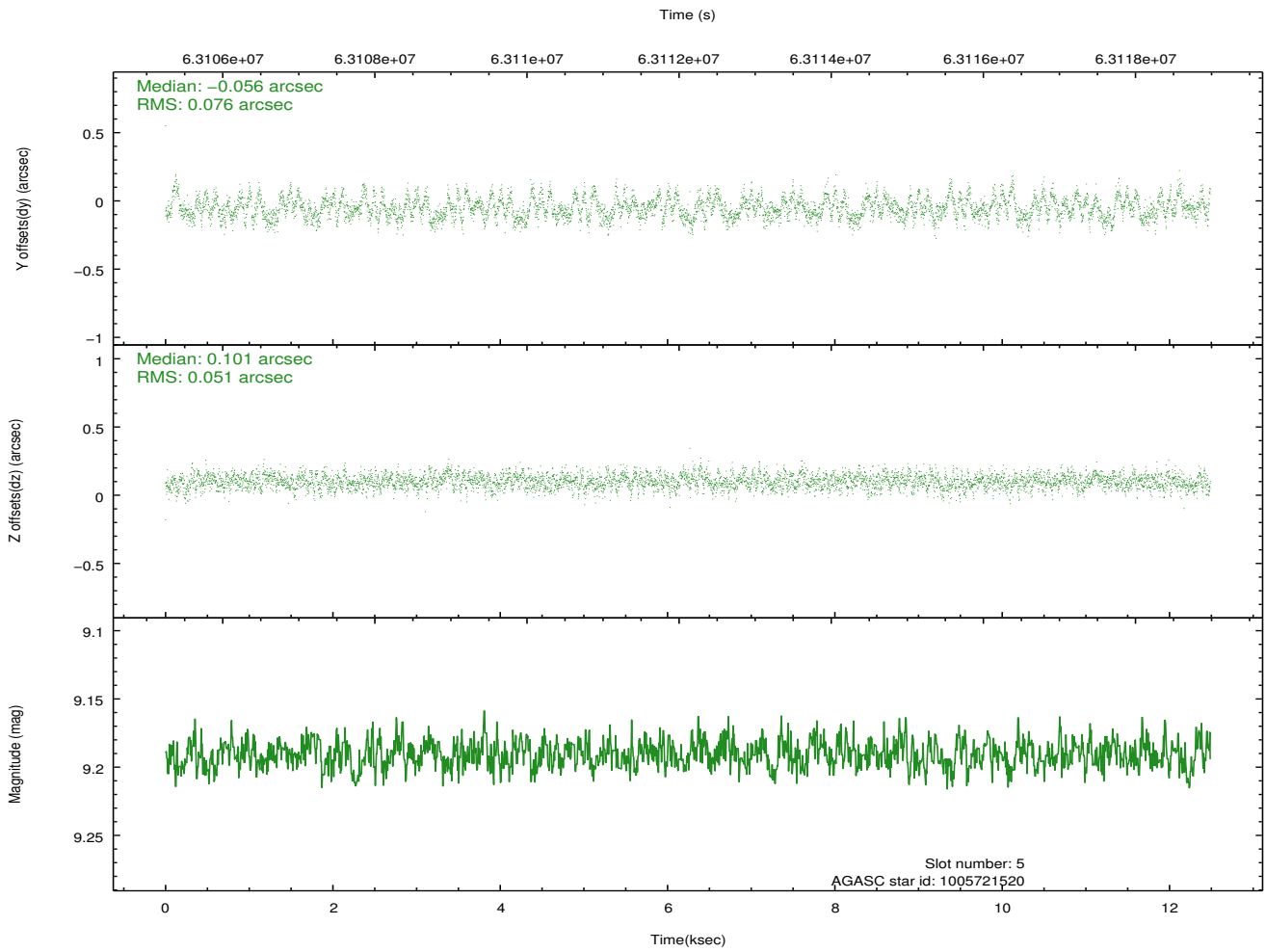
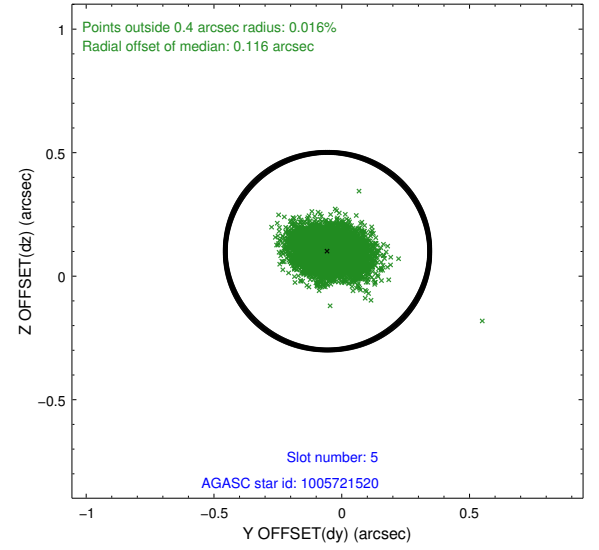
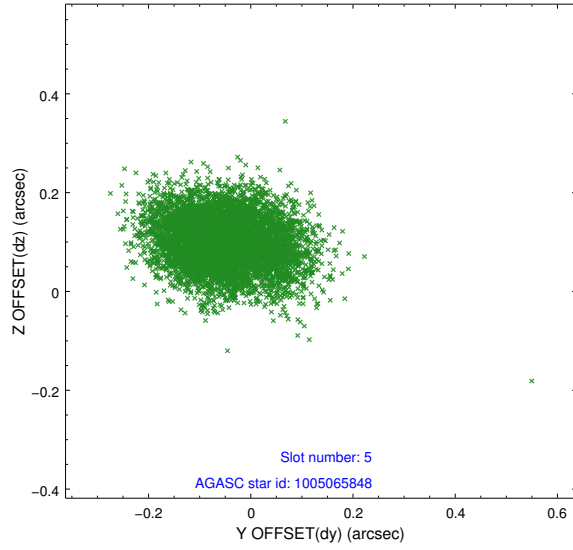
2.4.1 Slot 3



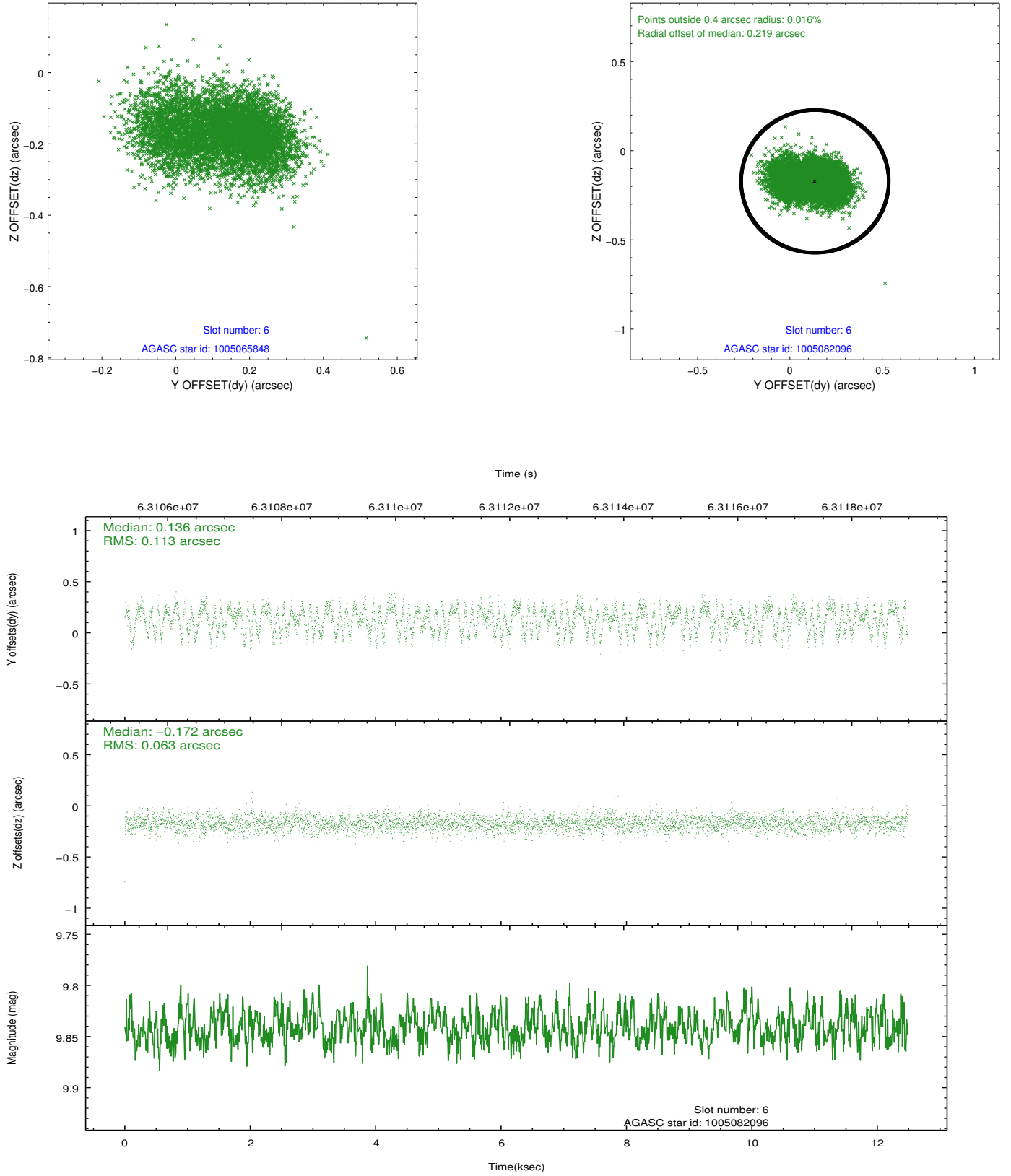
2.4.2 Slot 4



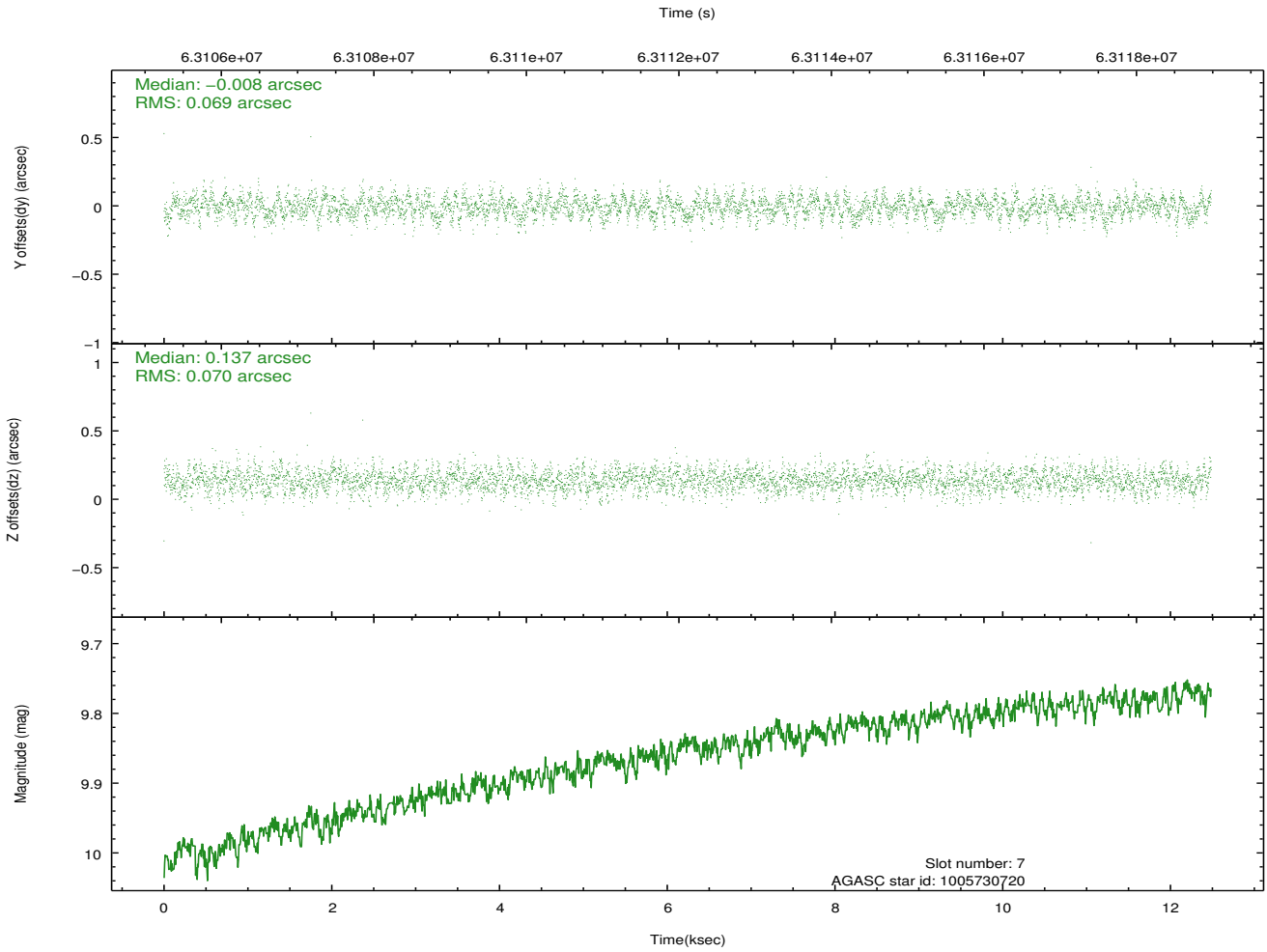
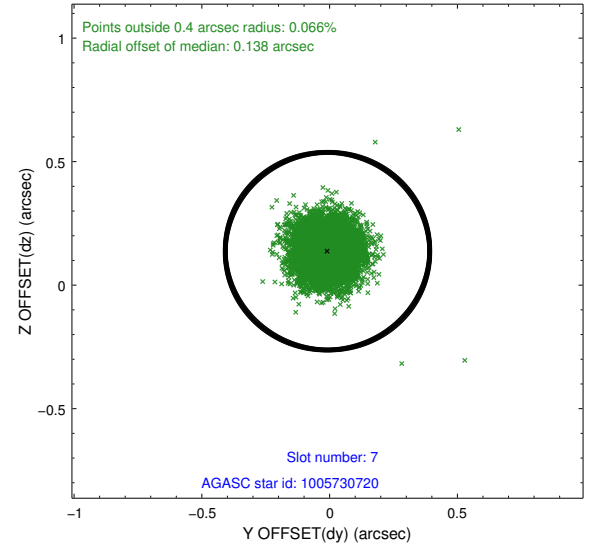
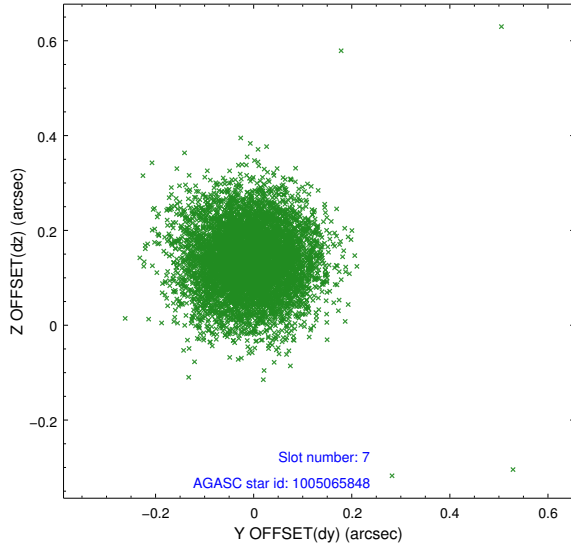
2.4.3 Slot 5



2.4.4 Slot 6

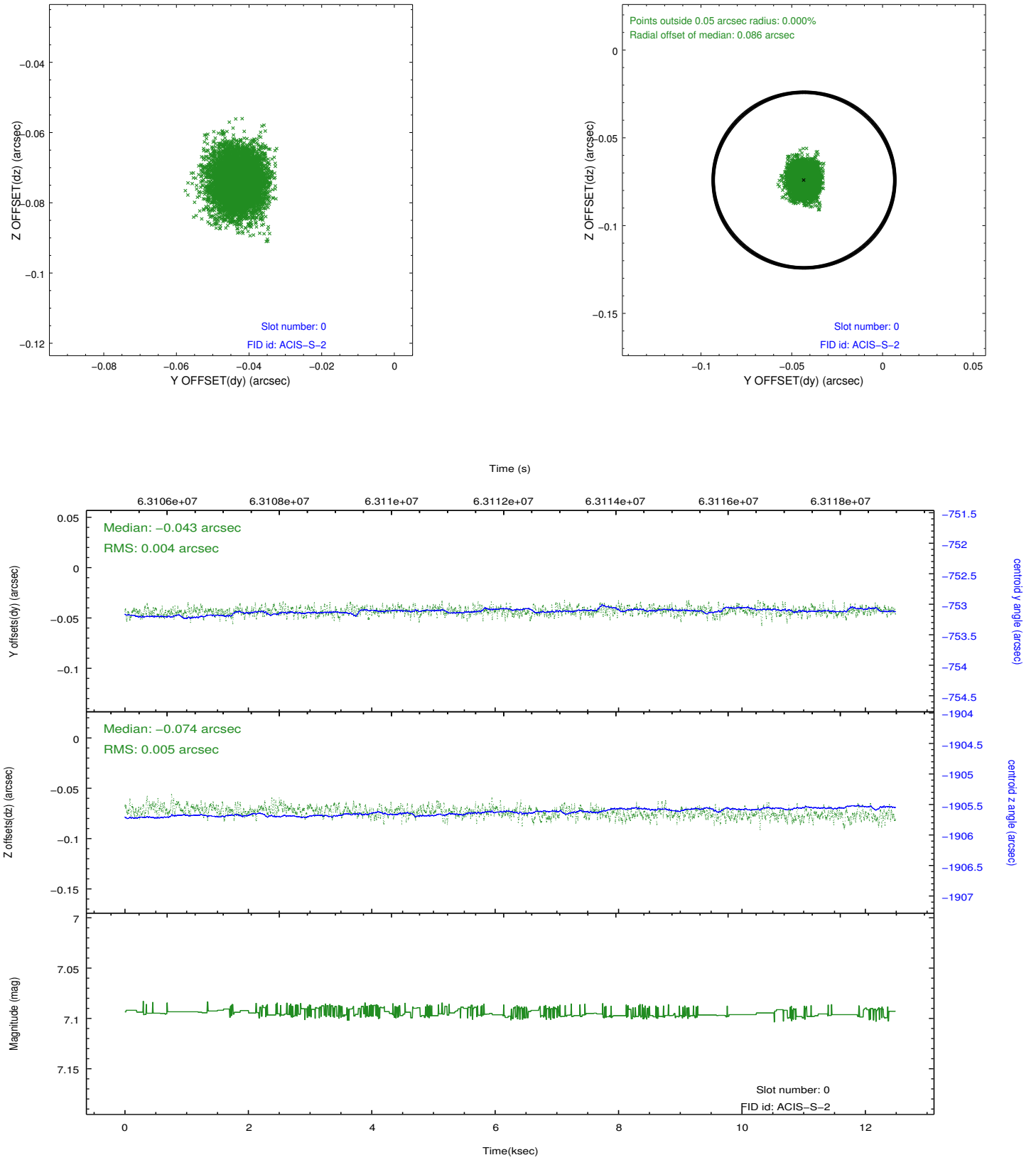


2.4.5 Slot 7

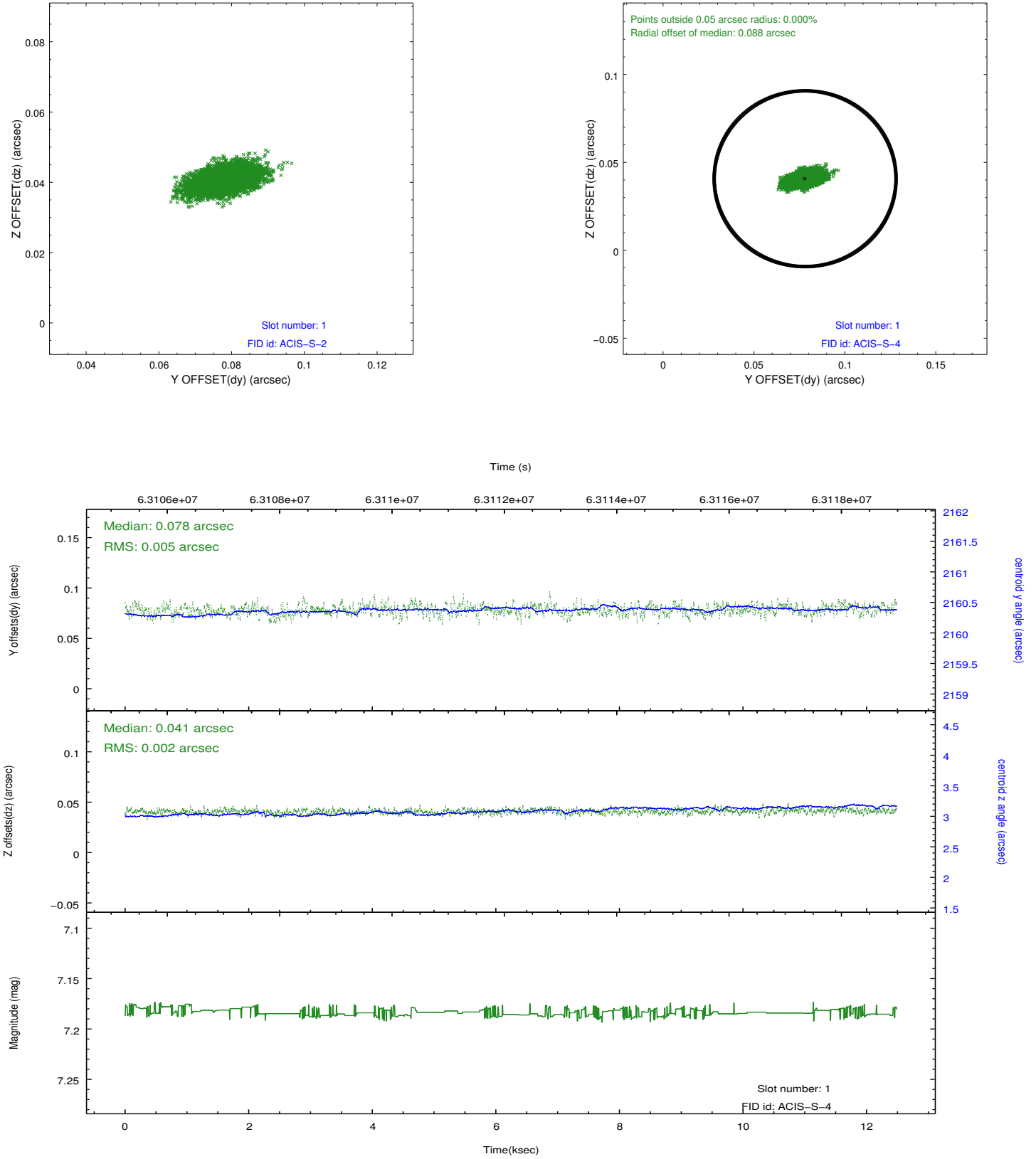


2.5 FID Slots

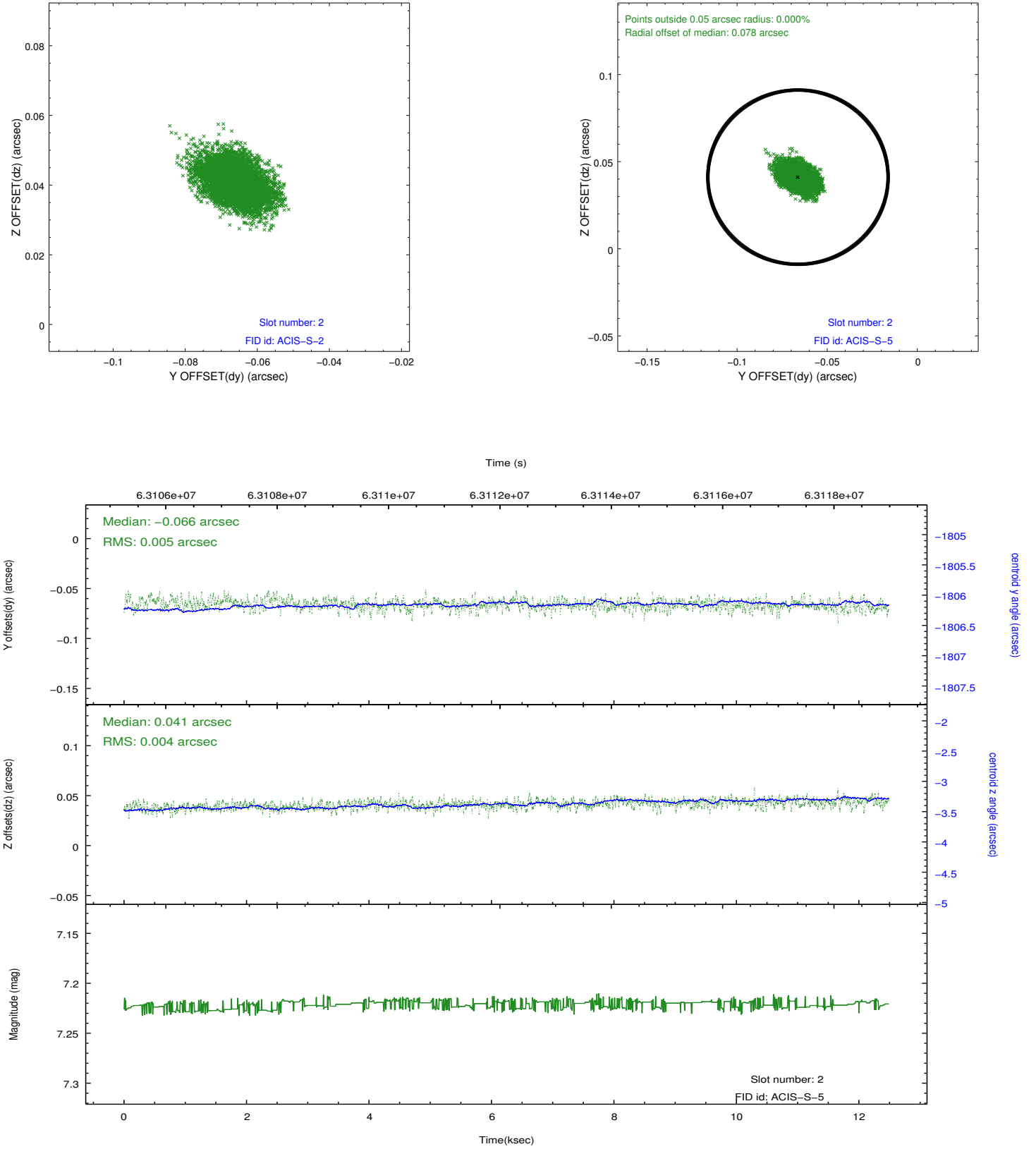
2.5.1 Slot 0



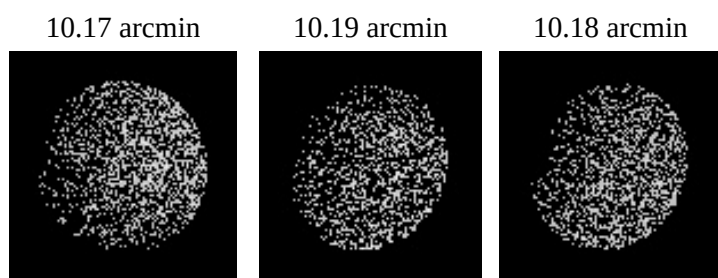
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.939

A.2 Comments

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 also 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.