

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 606 - L2 Version 001
Chandra X-Ray Center

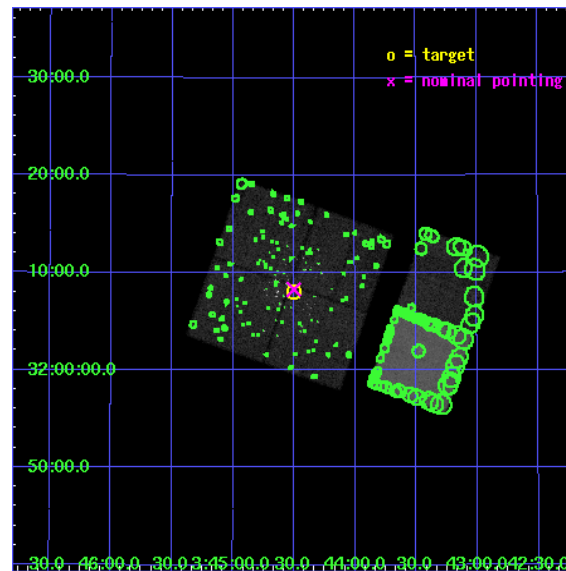
L2 Processing Date : Jun 8 2007

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1 Front

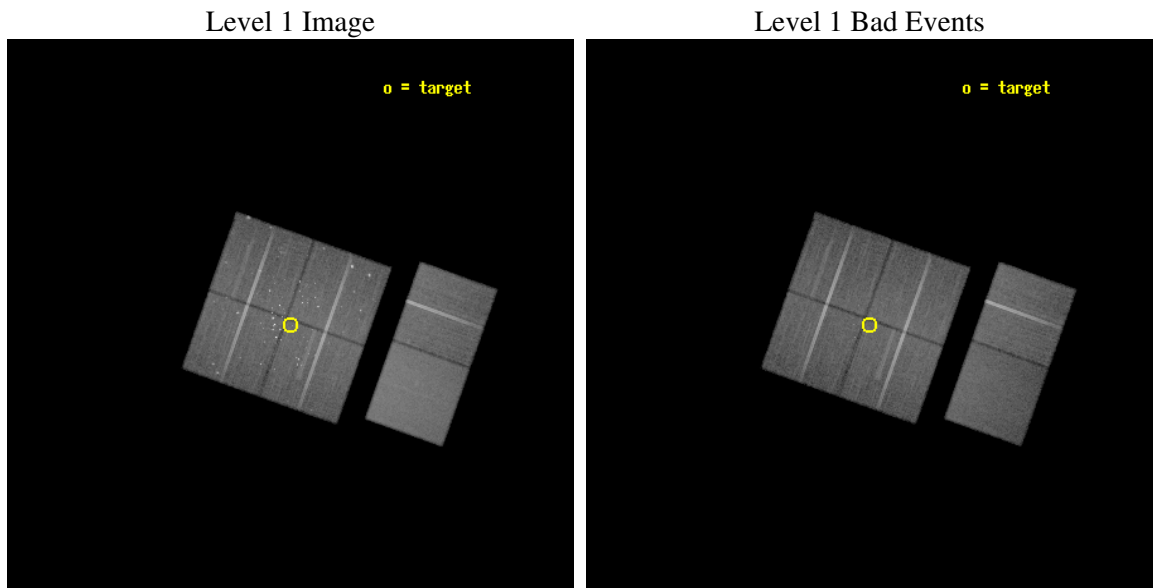
seq_num	200031
obs_id	606
title	THE FULL T TAURI STAR POPULATION OF THE YOUNG STELLAR CLUSTER IC 348
observer	Dr Thomas Preibisch
object	IC 348
dtcycle	0
cycle	P
ra_targ	56.125
dec_targ	32.133333
ra_nom	56.125343124337
dec_nom	32.138193911129
roll_nom	109.58206787963
revision	2
ontime	52956.80004932
livetime	52286.229160339
ontime0	52953.559089079
ontime1	52956.80004932
ontime2	52947.077348053
ontime3	52956.80004932
ontime6	52953.559069157
ontime7	52956.80004932
l2events	347817



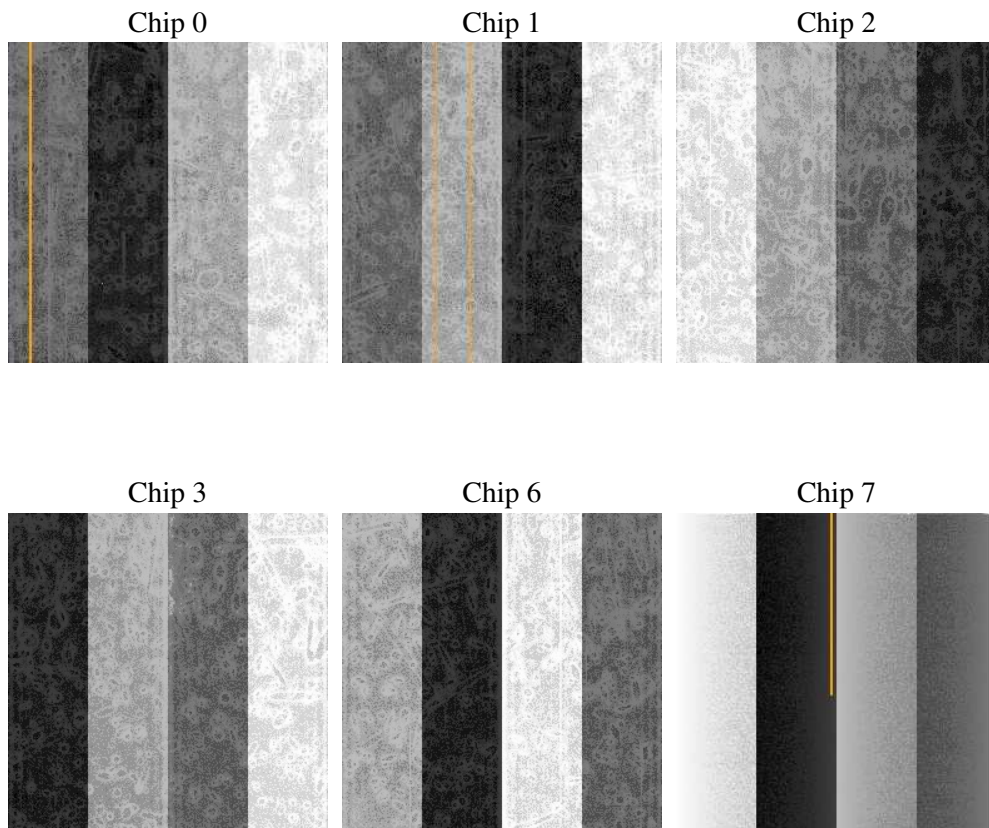
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-08T11:09:29
revision	2

sched_exp_time	53000.000000
ontime	52956.80004932
ontime0	52953.559089079
ontime1	52956.80004932
ontime2	52947.077348053
ontime3	52956.80004932
ontime6	52953.559069157
ontime7	52956.80004932
l1events	1893376

2.1.4 Events

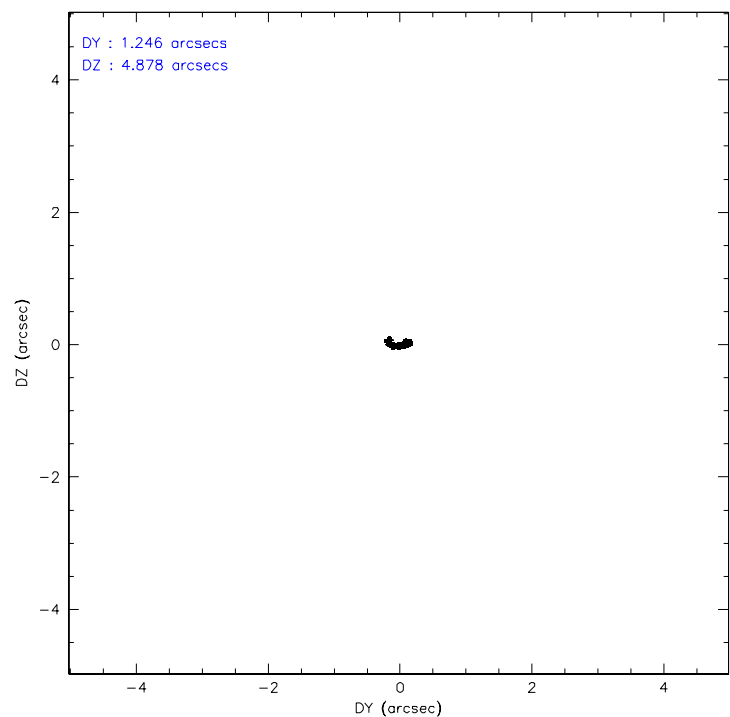
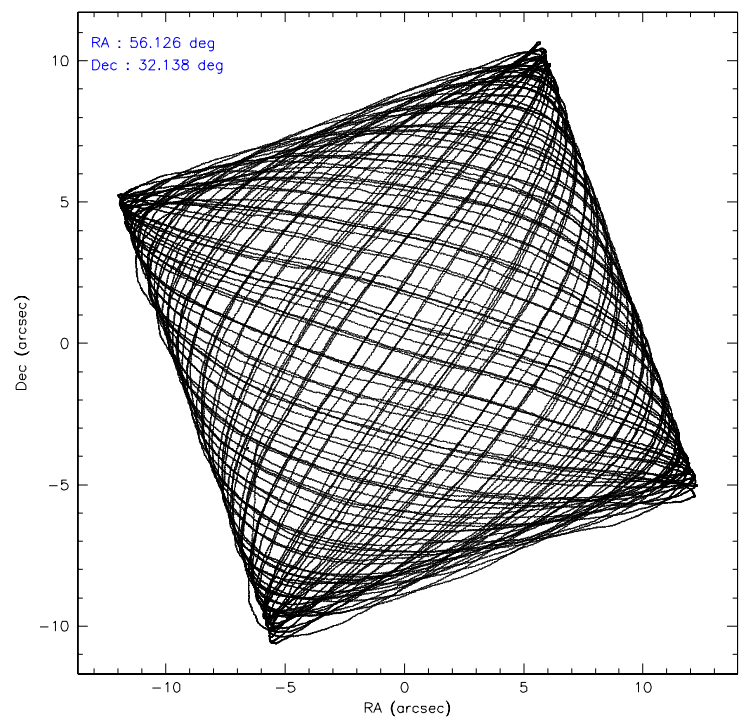
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	283925	296819	315234	308152	311359	377887
rejected events	238162	241787	269641	267895	277230	218523
rejected %	83%	81%	85%	86%	89%	57%

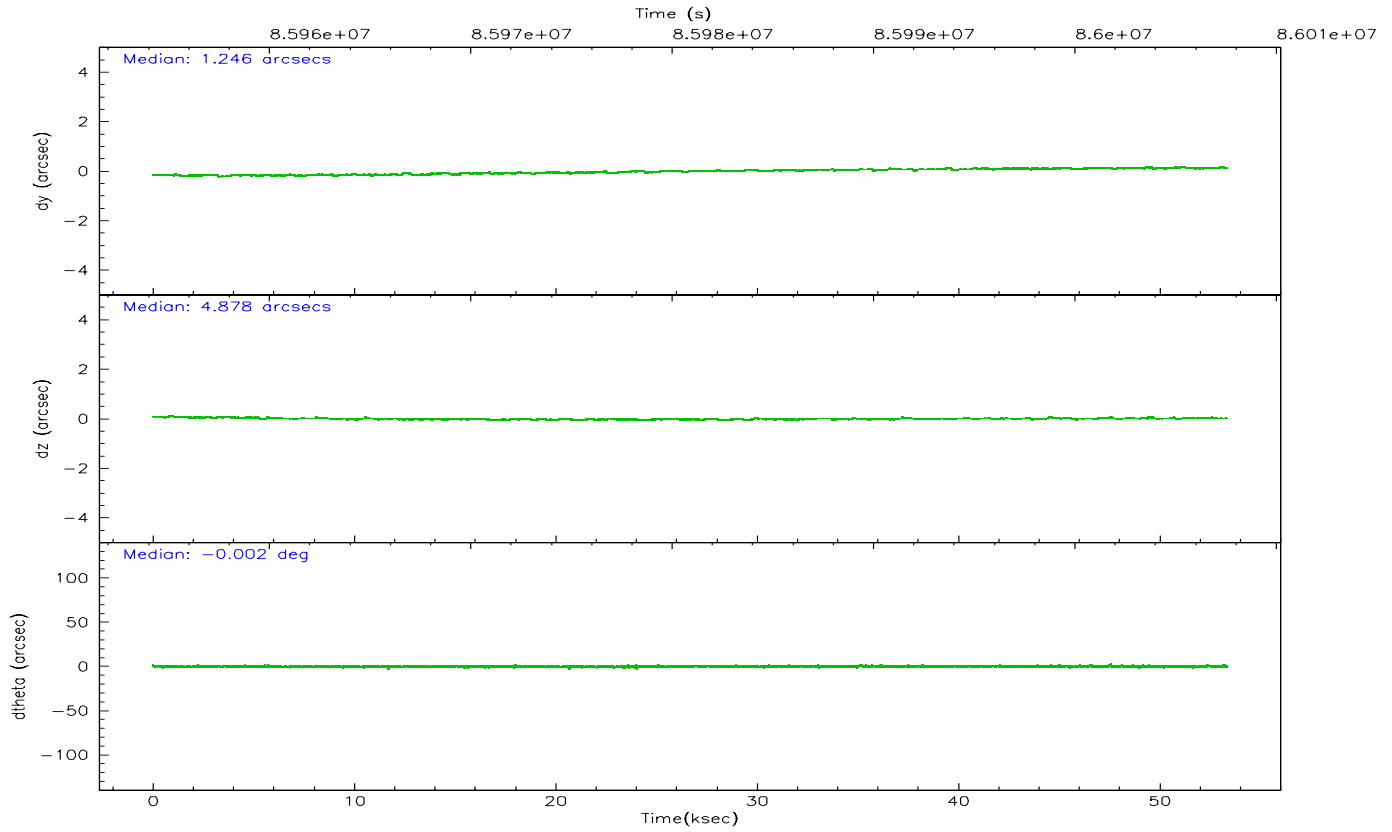
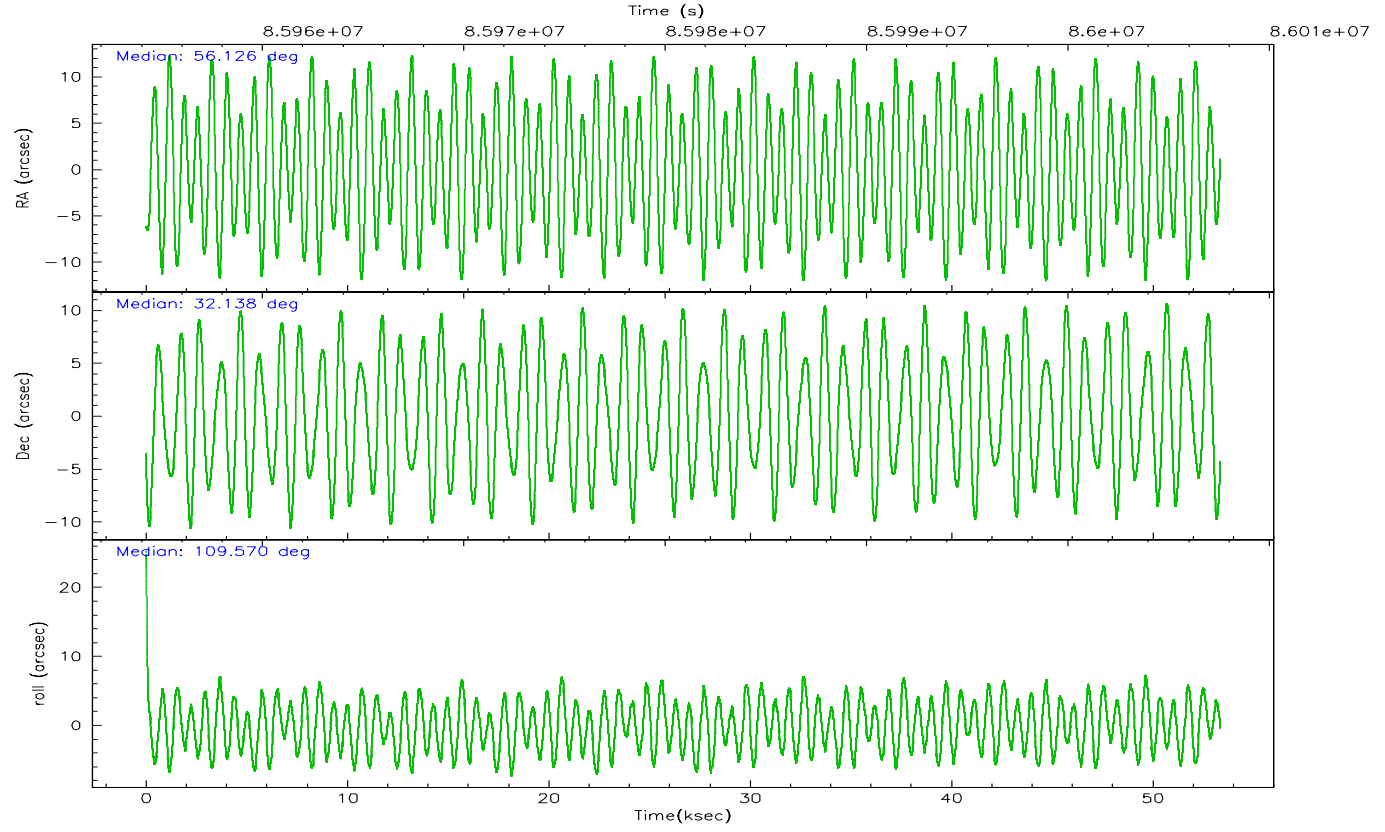
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	23904	30020	24275	20026	13770	14970
	8%	10%	7%	6%	4%	3%
grade 1 events	213	332	171	187	148	323
	0%	0%	0%	0%	0%	0%
grade 2 events	8287	9314	8367	7285	6819	31350
	2%	3%	2%	2%	2%	8%
grade 3 events	3808	4419	3485	3391	3337	14444
	1%	1%	1%	1%	1%	3%
grade 4 events	3541	4378	3467	3457	3342	14503
	1%	1%	1%	1%	1%	3%
grade 5 events	10414	11132	10058	11252	12293	36311
	3%	3%	3%	3%	3%	9%
grade 6 events	6225	6903	6001	6099	6862	84108
	2%	2%	1%	1%	2%	22%
grade 7 events	227533	230321	259410	256455	264788	181878
	80%	77%	82%	83%	85%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	56.150023	56.12534312433722	Subarray requested	NONE	NONE
Pointing Dec	32.120285	32.13819391112855	Alternating exposures requested	N	N
Pointing Roll	109.360255	109.582067879627	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	85954559.184000	85953522.244234			
Observation start date	2000-09-21T20:14:55	2000-09-21T19:58:42			
Observation end time	86007559.184000	86008169.09629101			
Observation end date	2000-09-22T10:58:15	2000-09-22T11:09:29			
Read mode	TIMED	TIMED			

2.3 Aspect



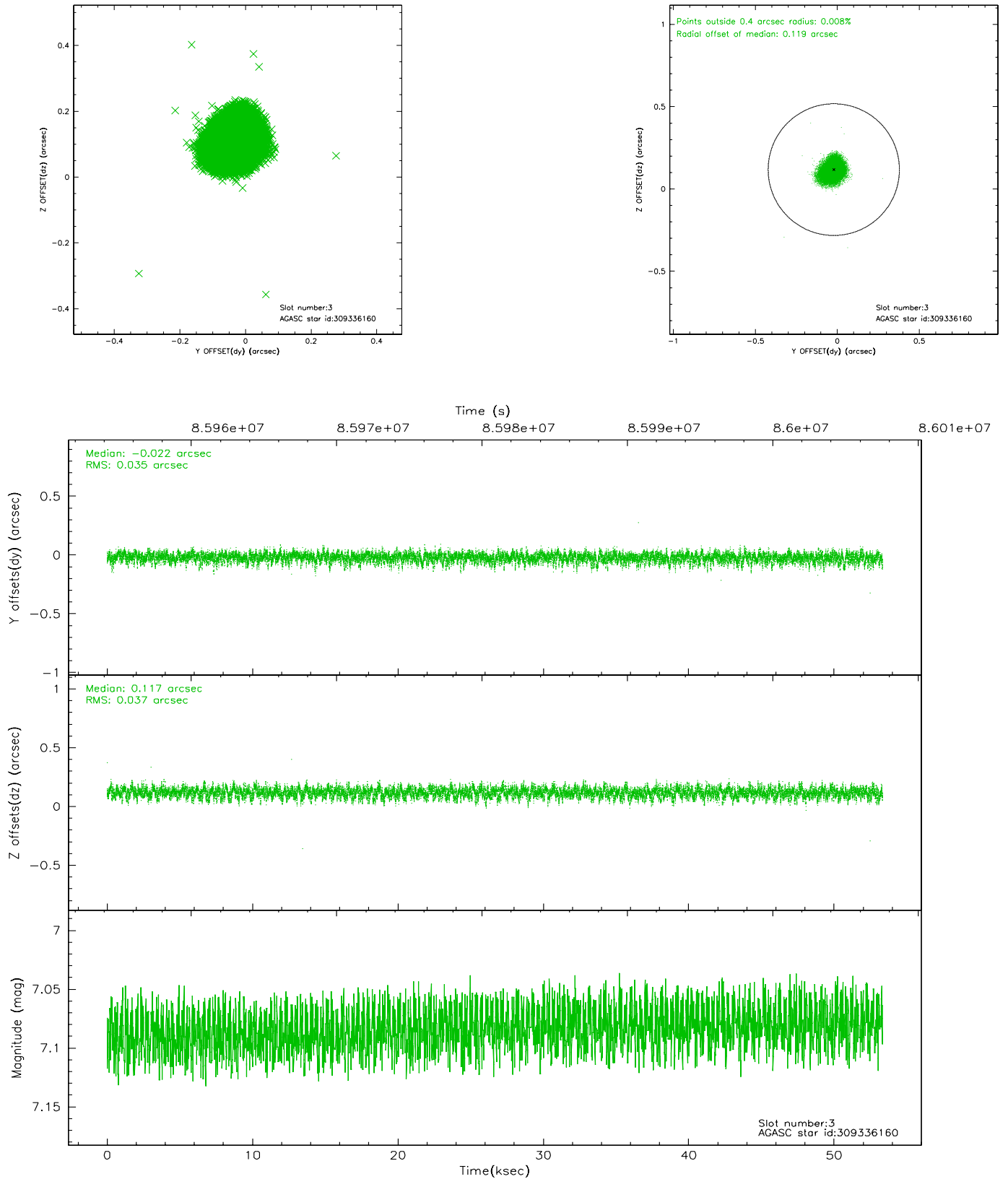


Slot Statistics

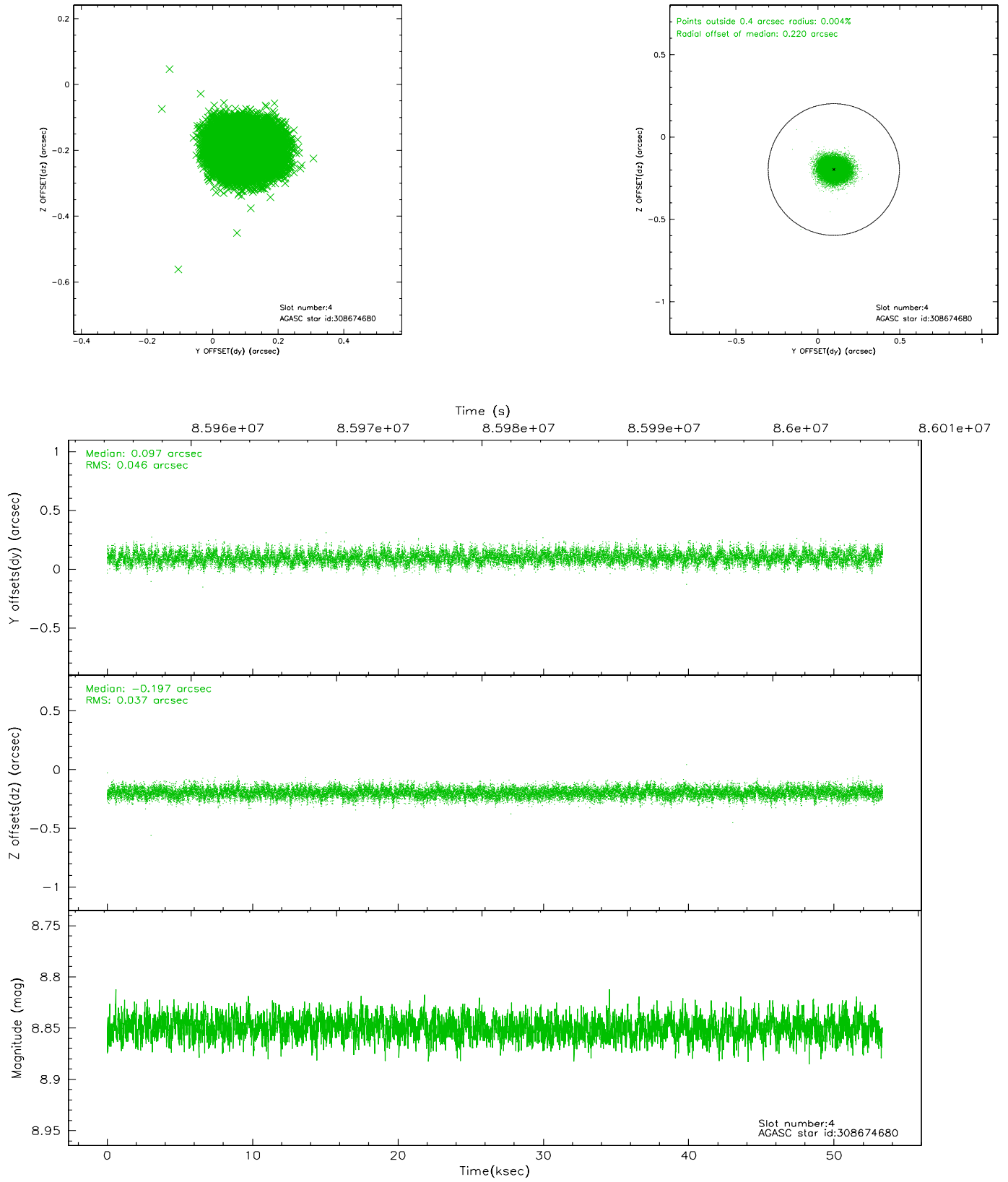
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.44	13012	0.004	0.204	0.008	0.014	0.000000	0.000000	56.03	-961.25
1	FID	ACIS-I-4	7.19	13008	-0.089	-0.082	0.007	0.011	0.000000	0.000000	2158.48	1071.52
2	FID	ACIS-I-5	7.23	13009	-0.014	-0.053	0.007	0.012	0.000000	0.000000	-1809.44	1069.36
3	GUIDE	309336160	7.08	26020	-0.022	0.117	0.053	0.089	56.670296	32.290187	57.00	-1696.85
4	GUIDE	308674680	8.85	26015	0.097	-0.197	0.063	0.102	55.747345	31.652644	-1176.46	1721.87
5	GUIDE	308676888	9.15	26015	0.131	-0.315	0.084	0.134	55.566279	31.676245	-910.29	2216.04
6	GUIDE	309334448	9.00	26006	-0.032	0.110	0.081	0.132	56.413175	32.440049	823.00	-1135.03
7	GUIDE	309330608	9.27	26006	-0.176	0.288	0.076	0.123	56.696267	32.605248	1103.19	-2141.74

2.4 Star Slots

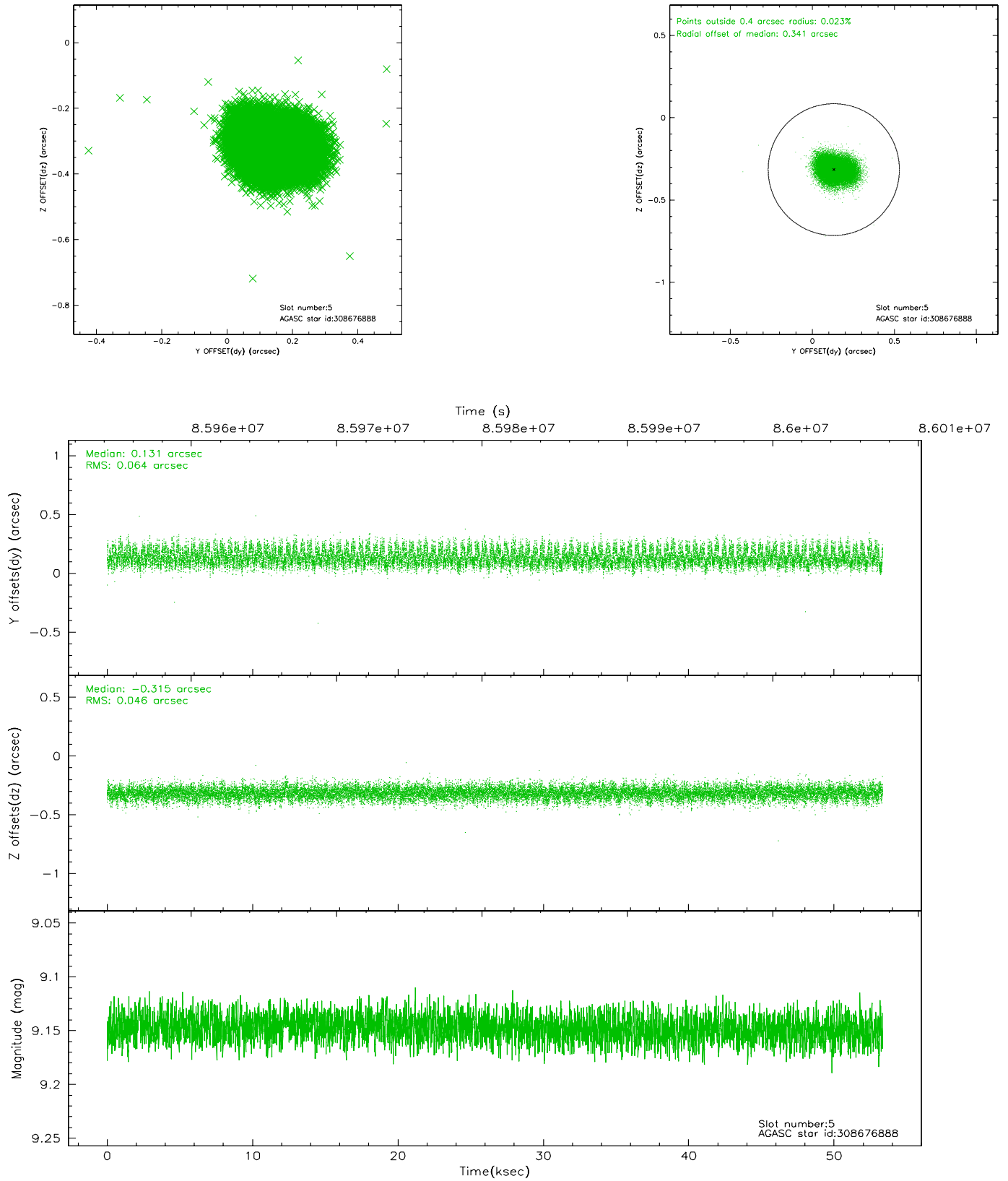
2.4.1 Slot 3



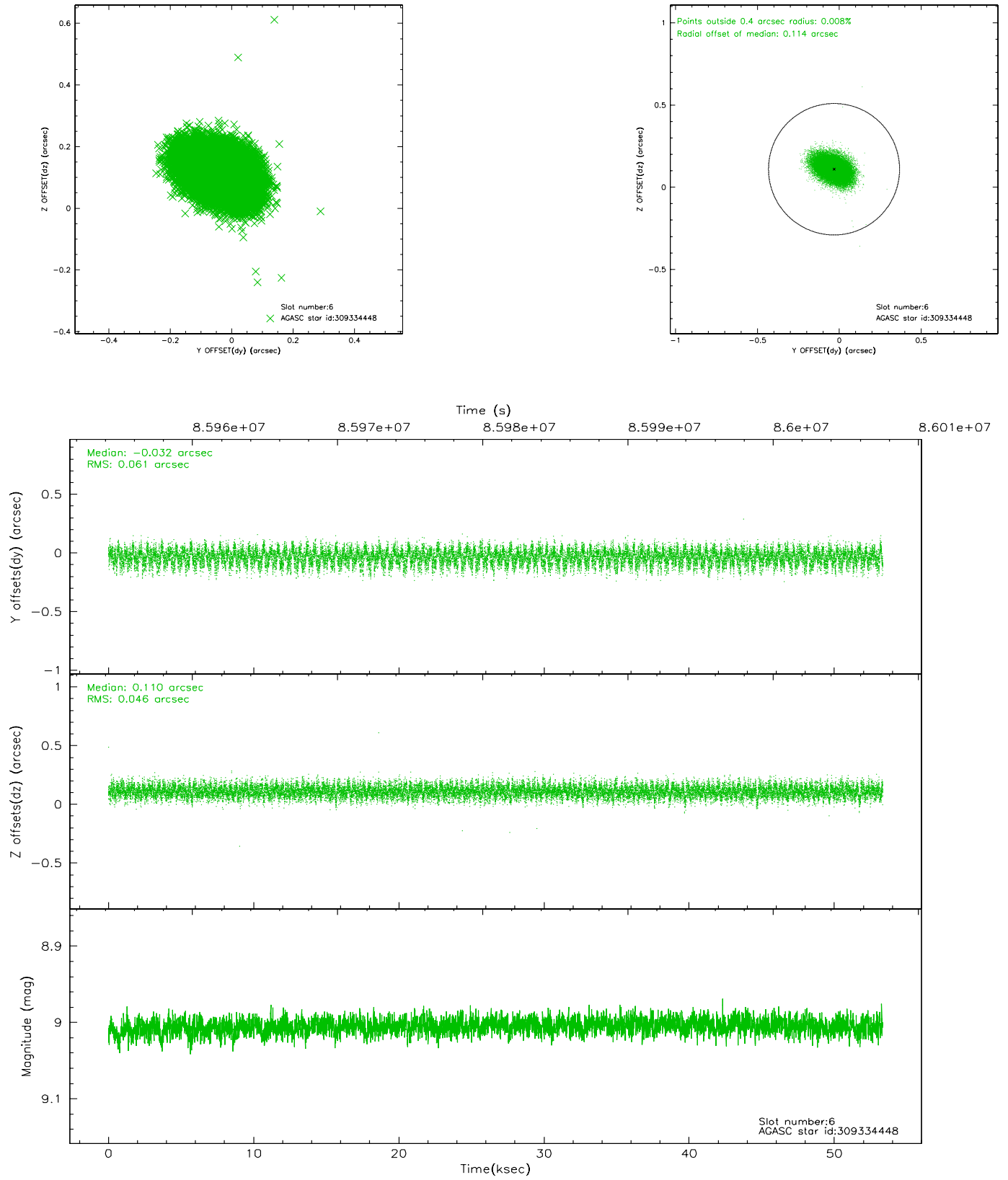
2.4.2 Slot 4



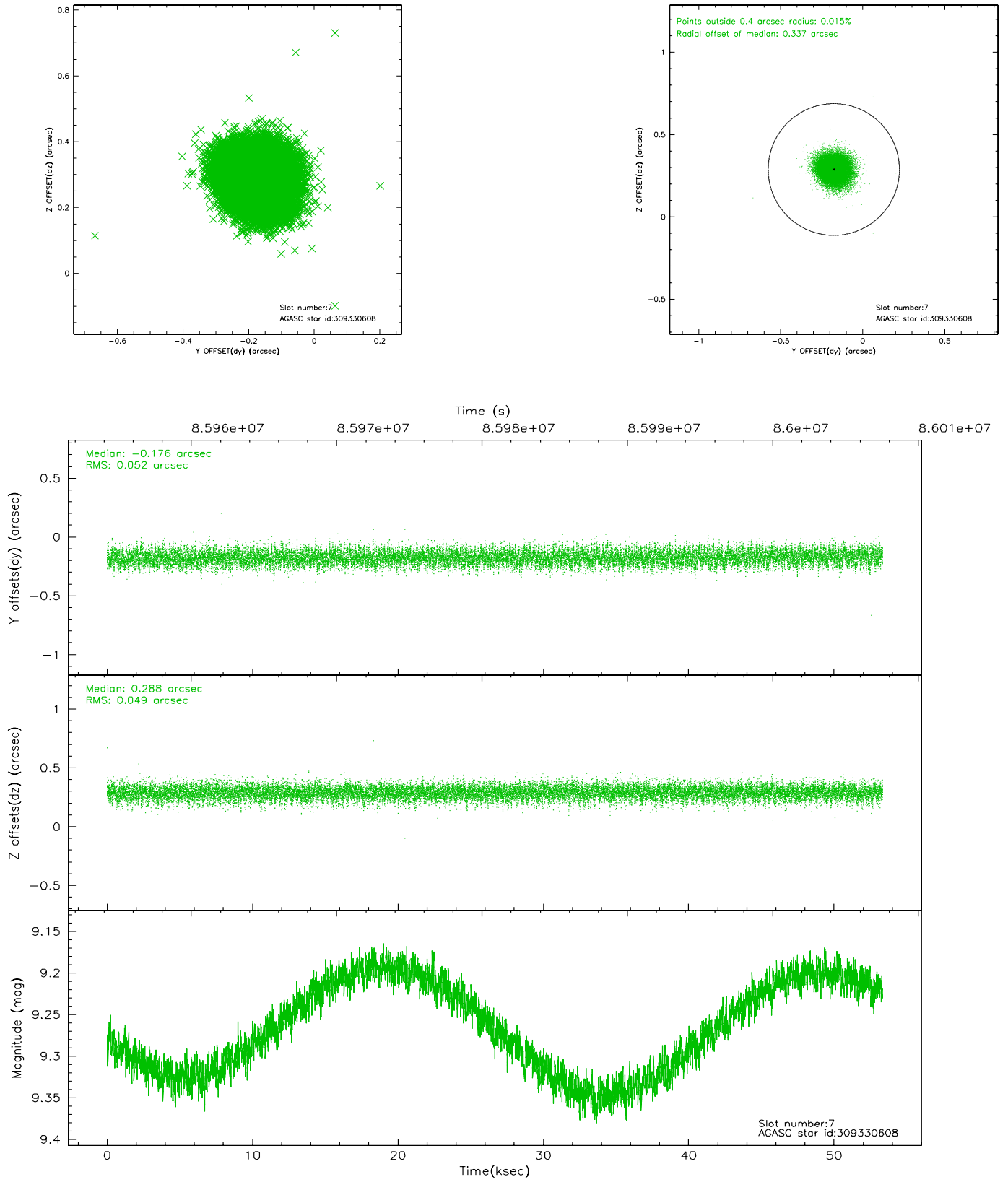
2.4.3 Slot 5



2.4.4 Slot 6

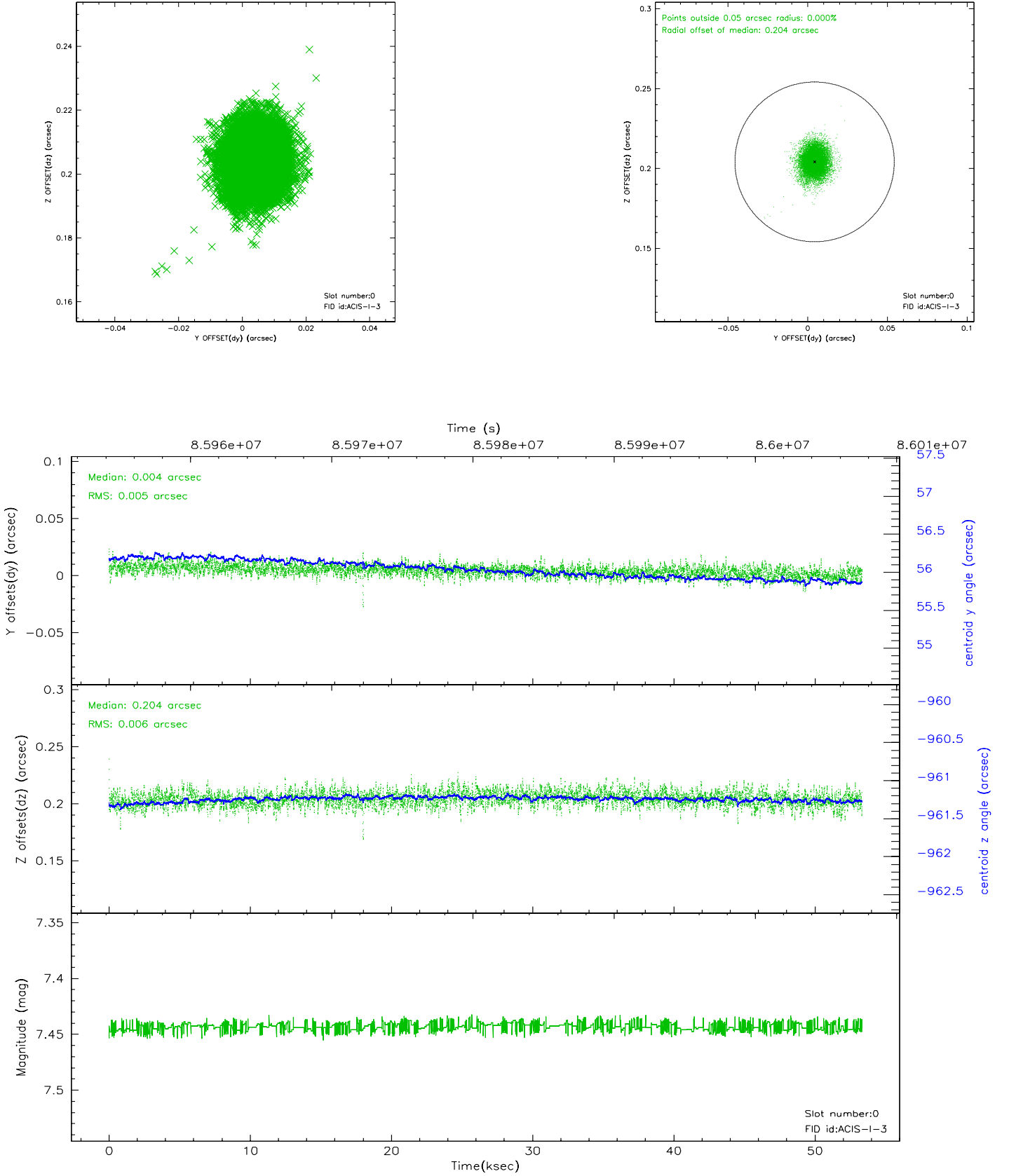


2.4.5 Slot 7

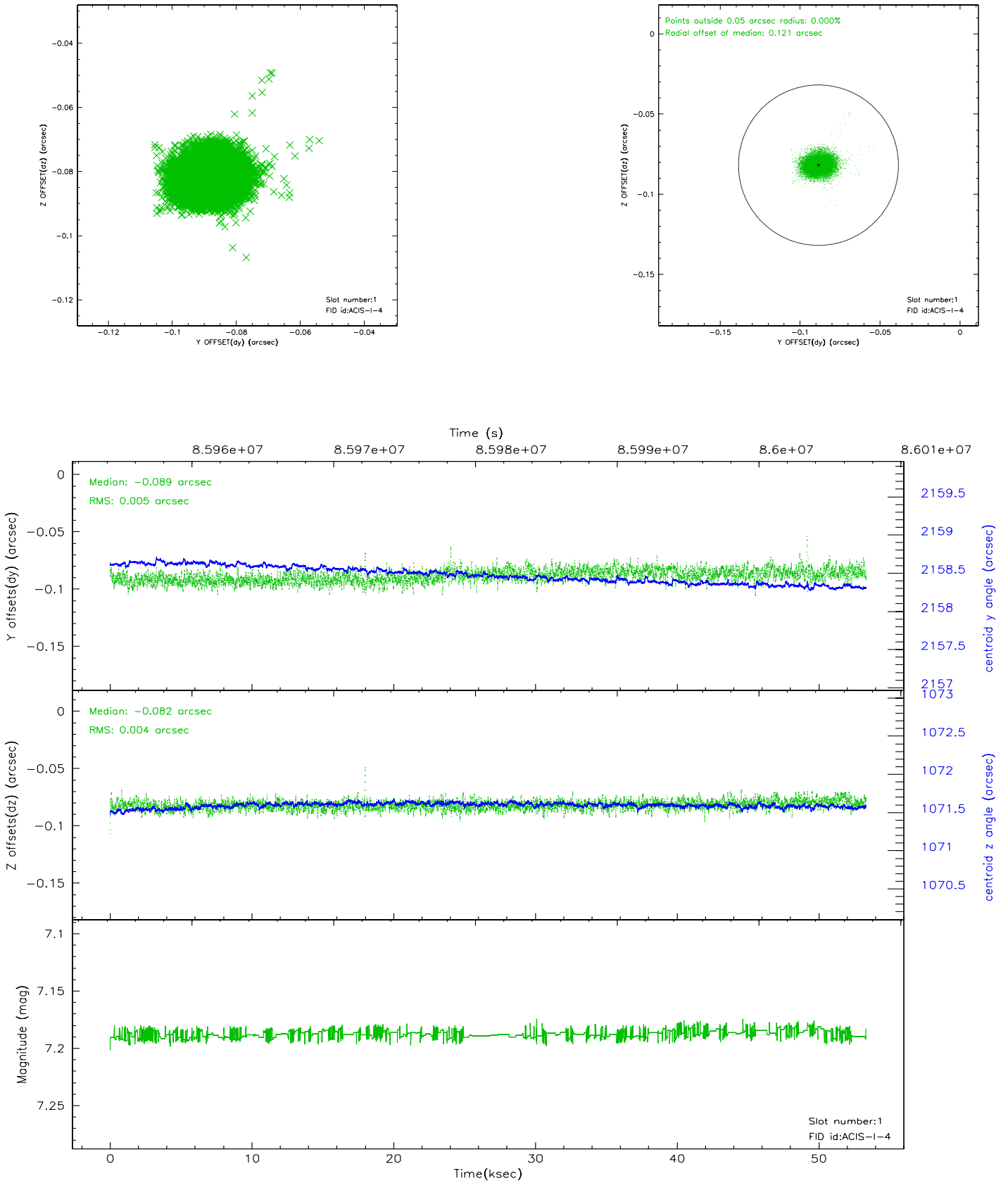


2.5 FID Slots

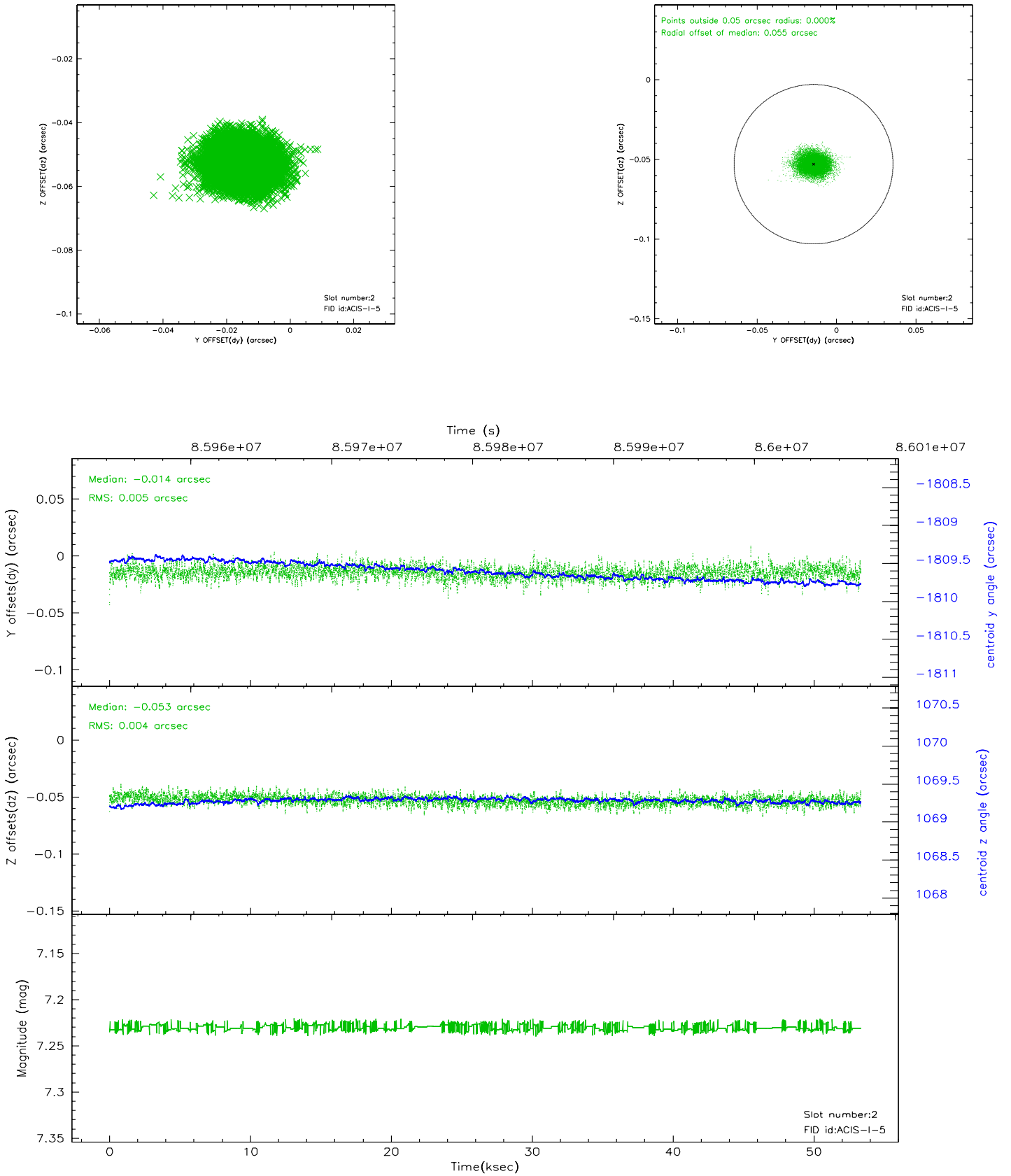
2.5.1 Slot 0



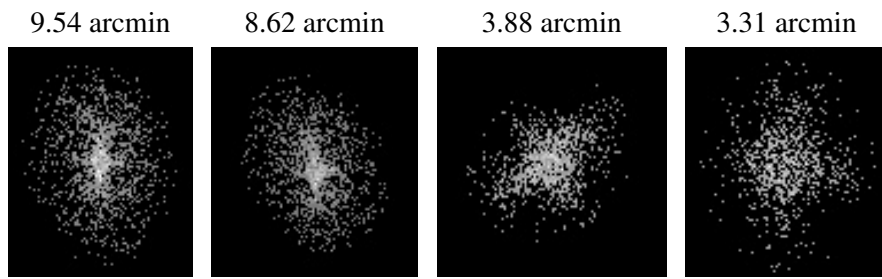
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	52.956

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the first 2 ksec of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: 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.