

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5381 - L2 Version 002
Chandra X-Ray Center

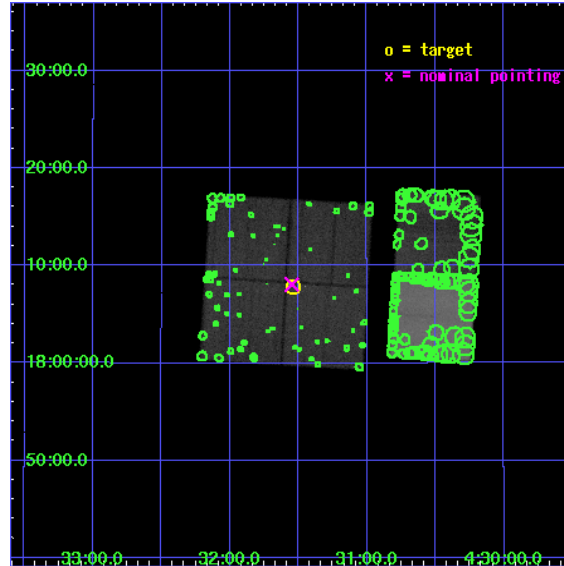
L2 Processing Date : Apr 2 2006

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1 Front

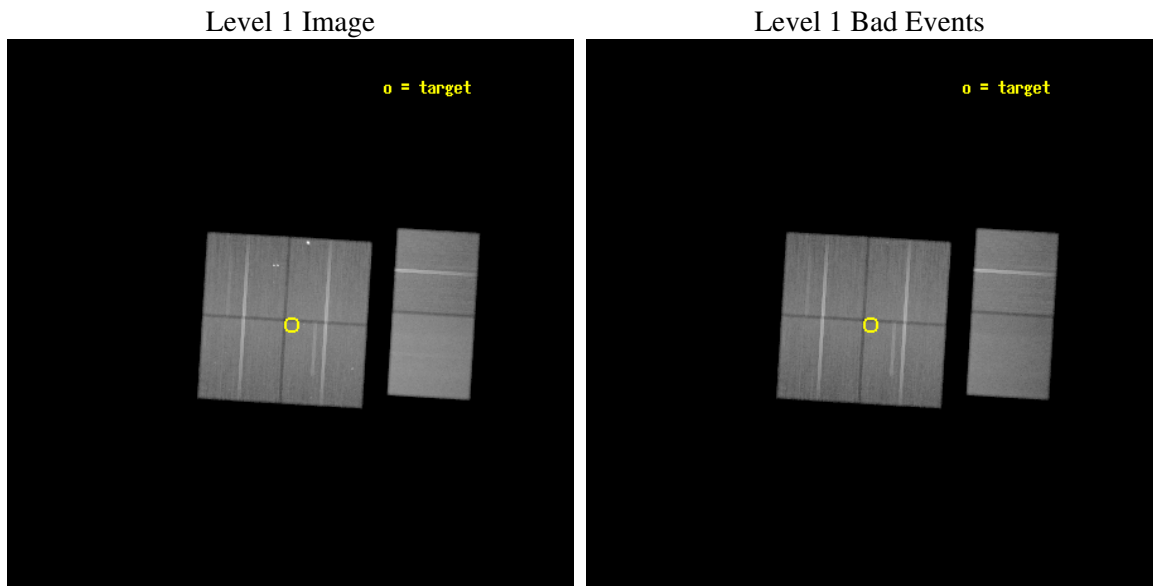
seq_num	200316
obs_id	5381
title	X-ray emission from fast moving shocks in the protostellar jet HH 154: a binding diagnostic of the emission mechanism
observer	Dr. Fabio Favata
object	HH 154
dtcycle	0
cycle	P
ra_targ	67.885417
dec_targ	18.130278
ra_nom	67.887049119027
dec_nom	18.134635914236
roll_nom	93.482593149019
revision	2
ontime	98172.758633941
livetime	96929.63605158
ontime0	98172.758633971
ontime1	98172.758633941
ontime2	98175.999634266
ontime3	98172.758633941
ontime6	98169.517623782
ontime7	98175.999634266
l2events	787042



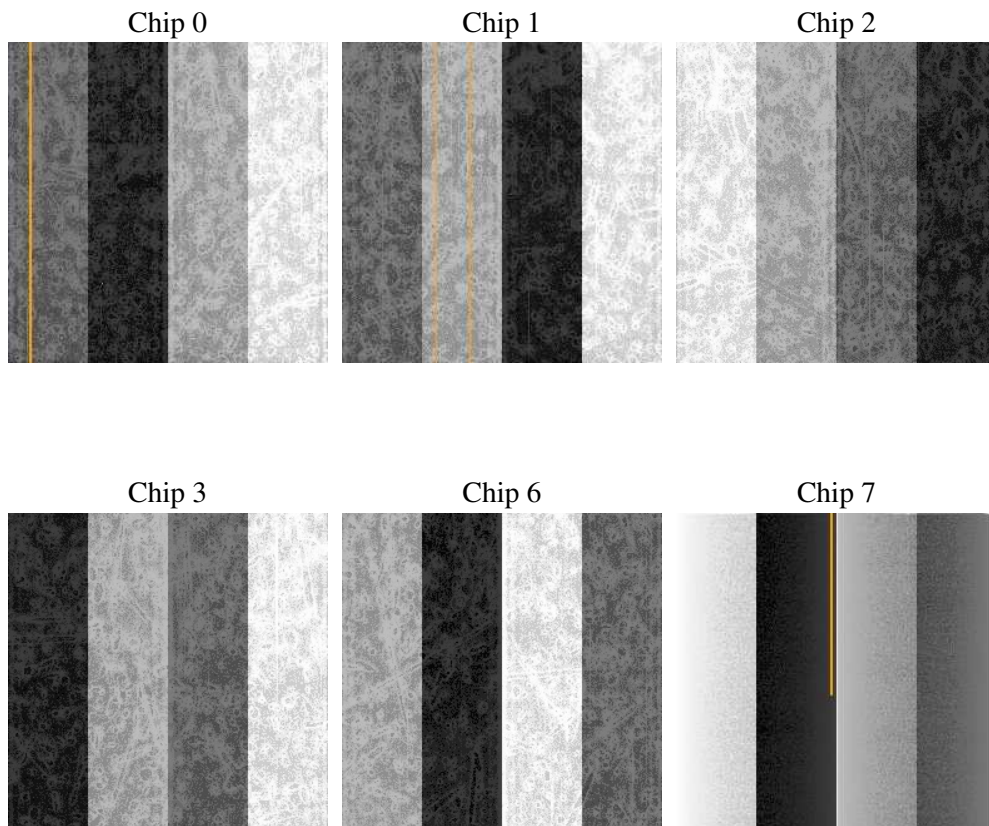
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-02T22:13:16
revision	2

sched_exp_time	98000.000000
ontime	98238.484657824
ontime0	98238.484657854
ontime1	98238.484657824
ontime2	98241.725658149
ontime3	98238.484657824
ontime6	98235.243647665
ontime7	98241.725658149
l1events	4792302

2.1.4 Events

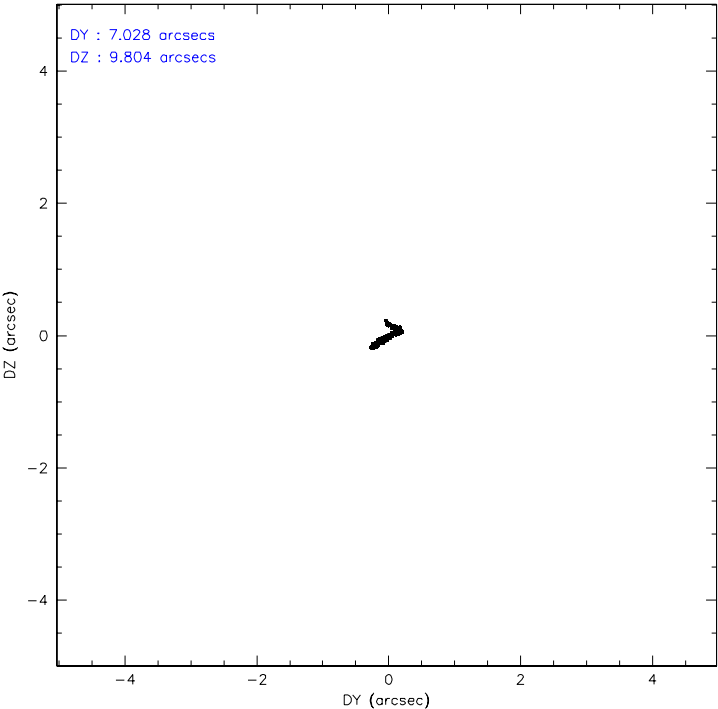
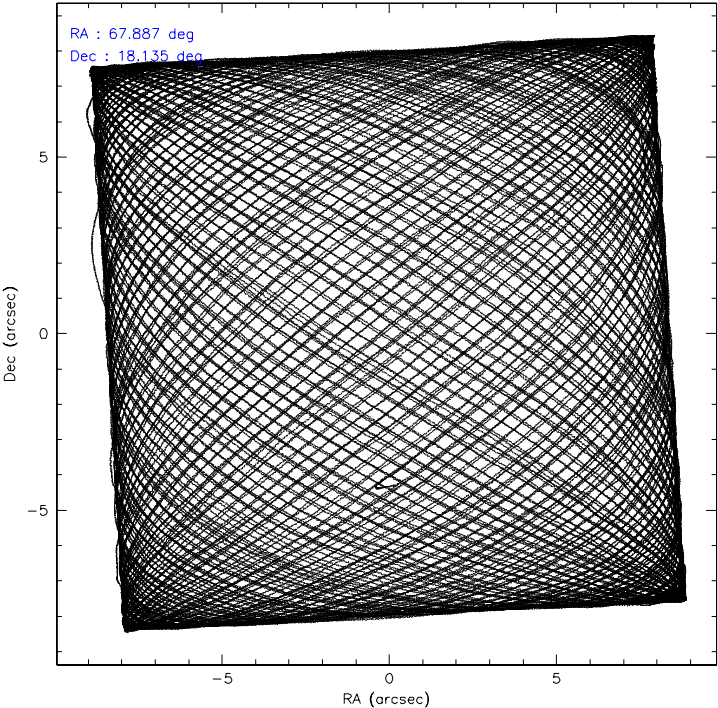
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	712035	707604	783847	754766	797711	1036339
rejected events	616196	612893	682002	665683	708183	649370
rejected %	86%	86%	87%	88%	88%	62%

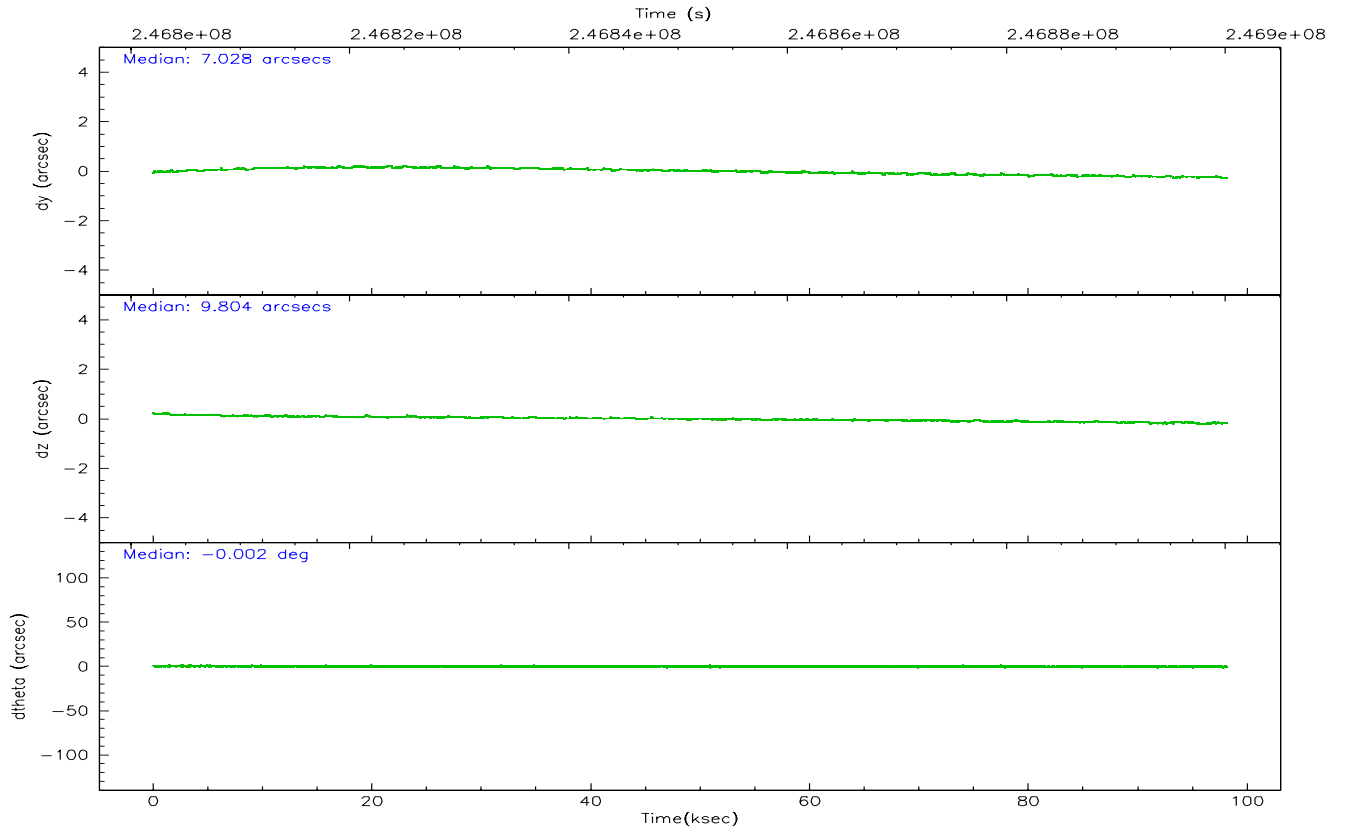
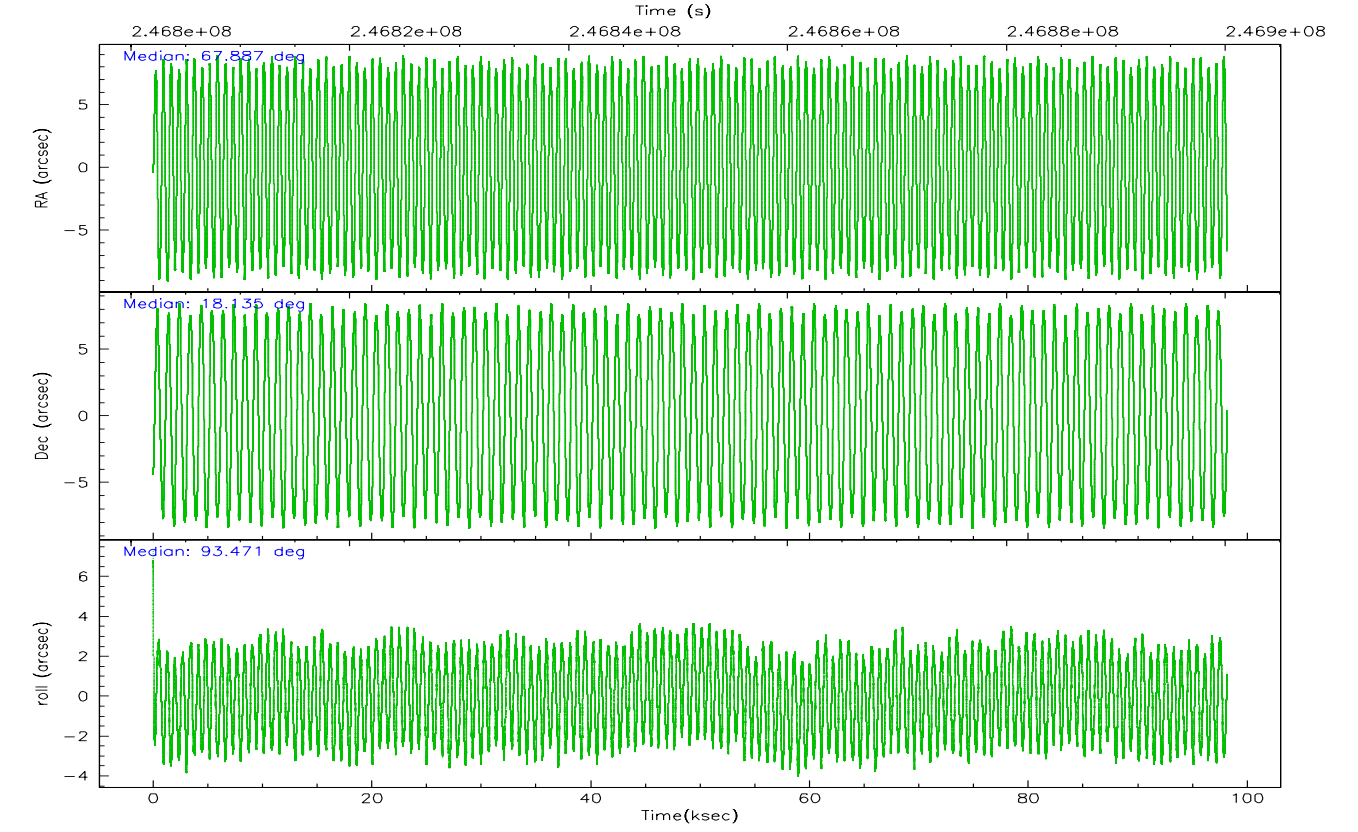
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	42340	35561	50381	38754	33514	19078
	5%	5%	6%	5%	4%	1%
grade 1 events	466	396	532	445	369	601
	0%	0%	0%	0%	0%	0%
grade 2 events	20057	21853	19391	17338	19849	95925
	2%	3%	2%	2%	2%	9%
grade 3 events	8960	9424	8691	8712	8643	17944
	1%	1%	1%	1%	1%	1%
grade 4 events	8340	9053	8643	8504	8579	17218
	1%	1%	1%	1%	1%	1%
grade 5 events	30198	32668	29137	35096	35933	65147
	4%	4%	3%	4%	4%	6%
grade 6 events	16212	18873	14813	15839	19001	237057
	2%	2%	1%	2%	2%	22%
grade 7 events	585462	579776	652259	630078	671823	583369
	82%	81%	83%	83%	84%	56%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	67.903033	67.88704911902714	Alternating exposures requested	N	N
Pointing Dec	18.111871	18.13463591423587	Primary exposure time	0.000000	3.2
Pointing Roll	93.268938	93.48259314901861			
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	246802198.184000	246801098.47941			
Observation start date	2005-10-27T12:08:54	2005-10-27T11:51:38			
Observation end time	246900198.184000	246901099.53401			
Observation end date	2005-10-28T15:22:14	2005-10-28T15:38:19			
Read mode	TIMED	TIMED			

2.3 Aspect



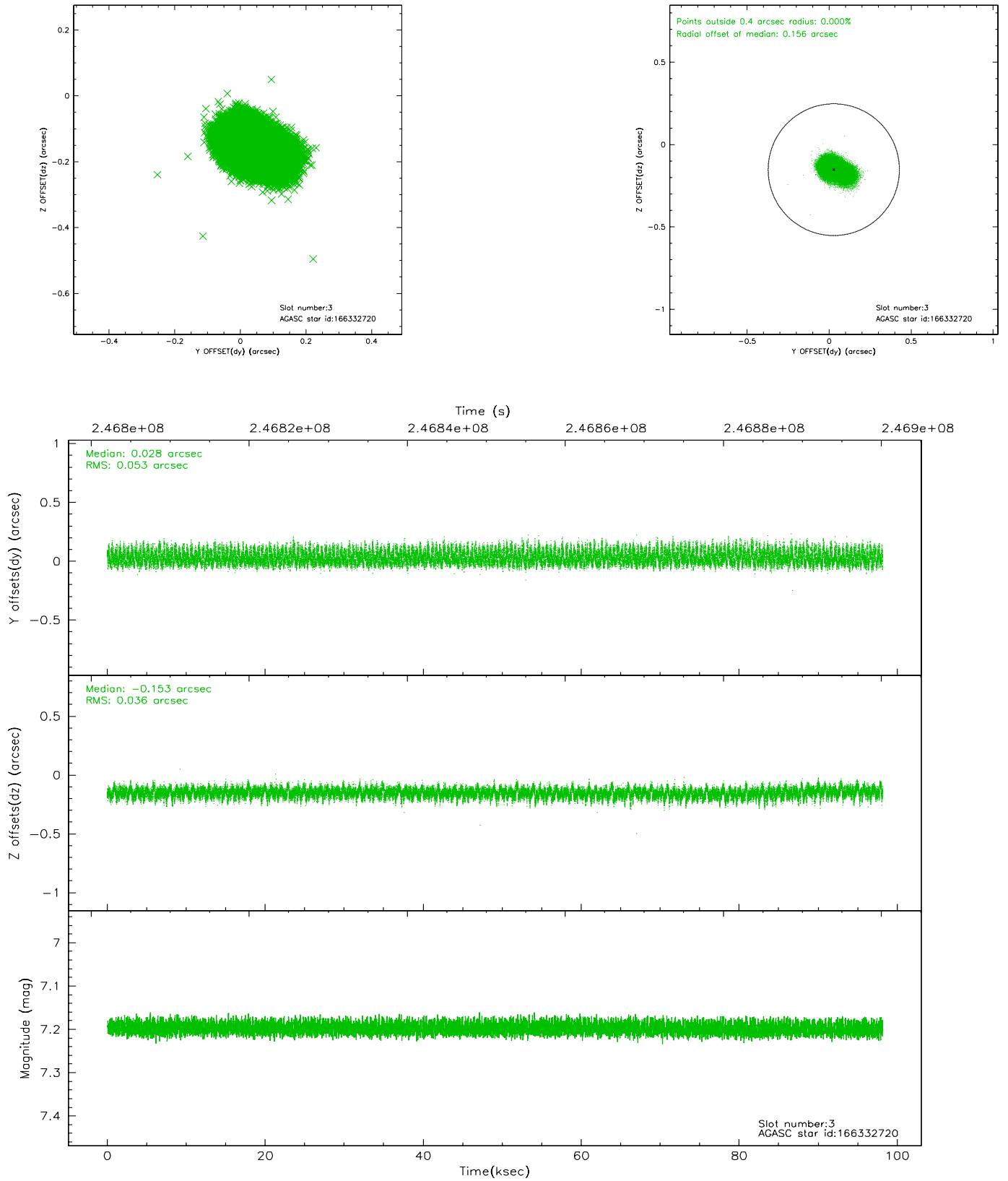


Slot Statistics

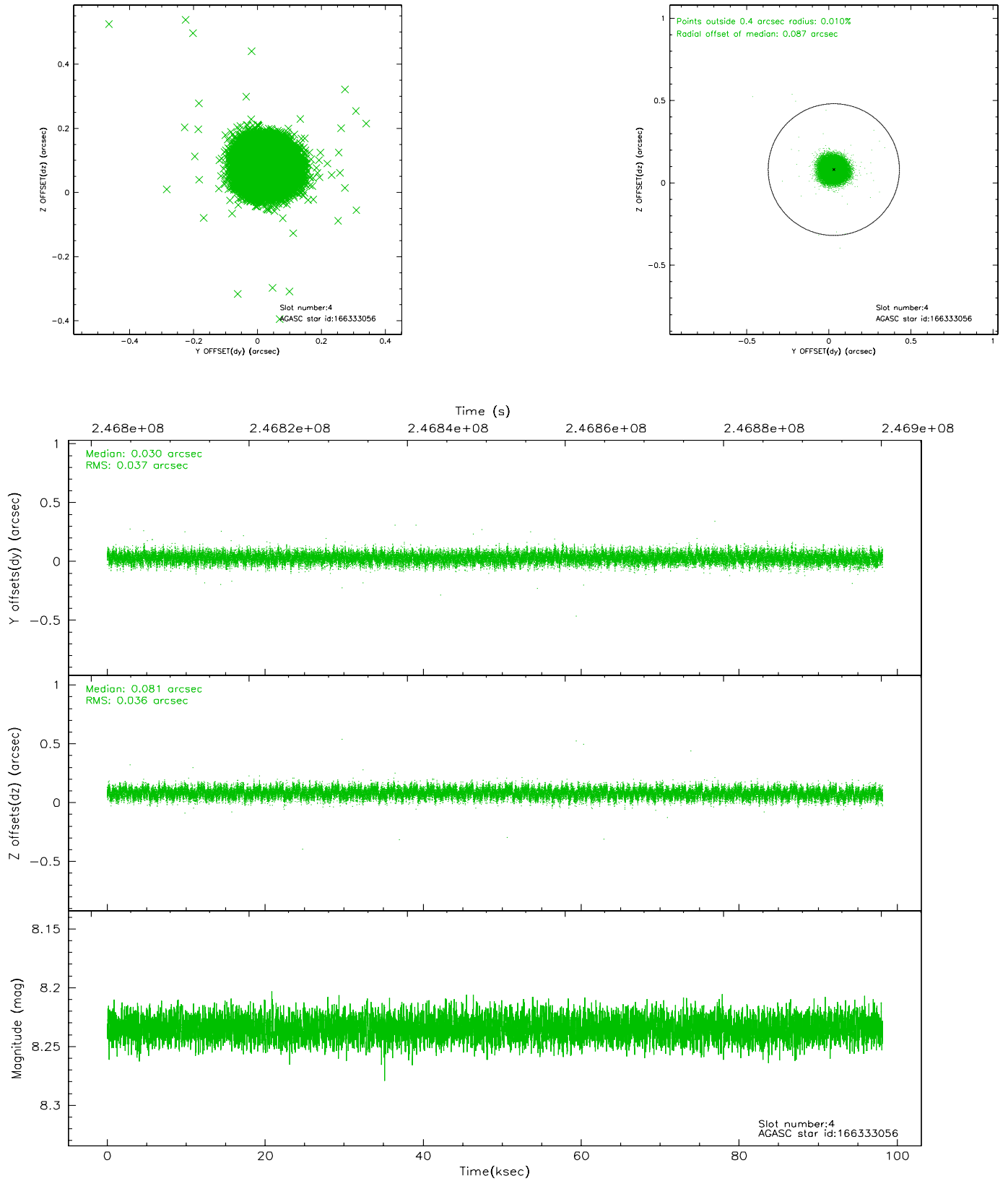
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	23946	-0.017	0.045	0.008	0.015	0.000000	0.000000	932.65	-833.22
1	FID	ACIS-I-5	7.23	23946	-0.121	0.019	0.007	0.015	0.000000	0.000000	-1815.62	1064.28
2	FID	ACIS-I-6	7.26	23945	0.047	0.007	0.008	0.013	0.000000	0.000000	398.34	1708.68
3	GUIDE	166332720	7.20	47894	0.028	-0.153	0.067	0.111	67.335629	17.544937	-1924.16	2060.15
4	GUIDE	166333056	8.23	47889	0.030	0.081	0.055	0.089	67.813257	17.557208	-1975.87	421.76
5	GUIDE	166334824	7.10	47890	-0.036	-0.150	0.058	0.096	67.376458	17.863163	-789.02	1851.89
6	GUIDE	166338584	9.35	47859	-0.006	0.013	0.094	0.157	67.904616	17.709782	-1445.61	76.78
7	GUIDE	166468240	9.07	47793	-0.024	0.215	0.103	0.199	68.167699	17.861525	-950.70	-853.49

2.4 Star Slots

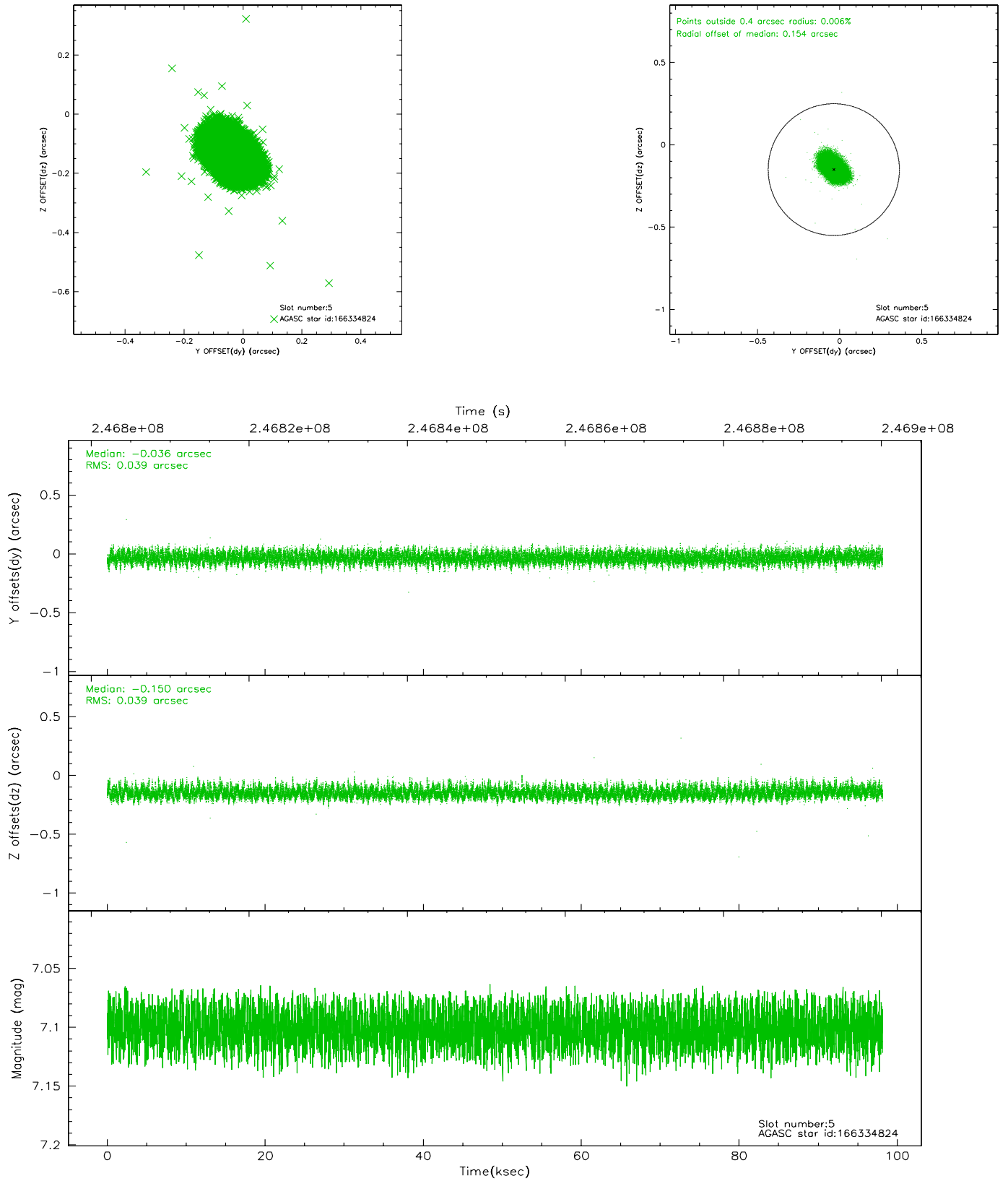
2.4.1 Slot 3



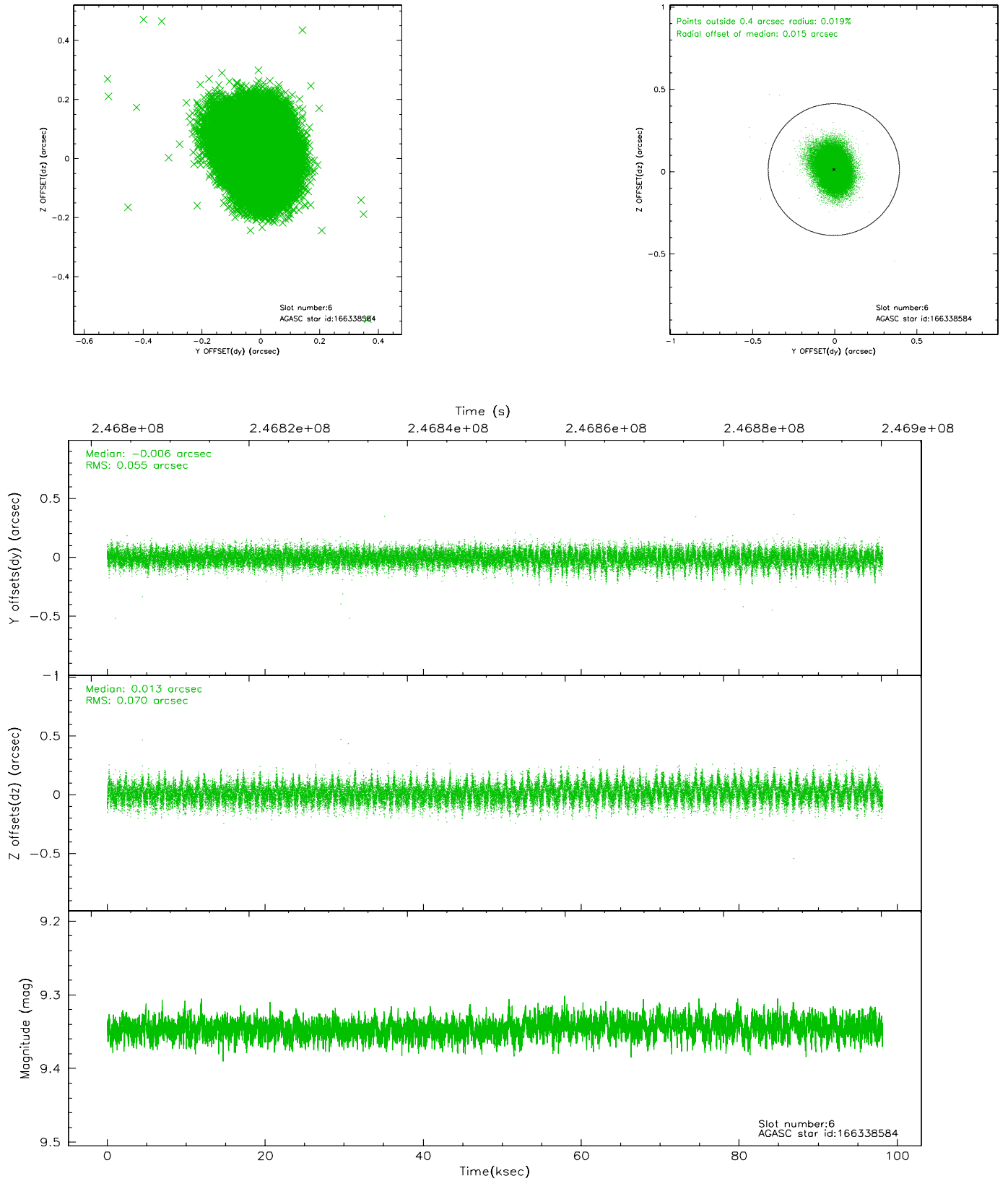
2.4.2 Slot 4



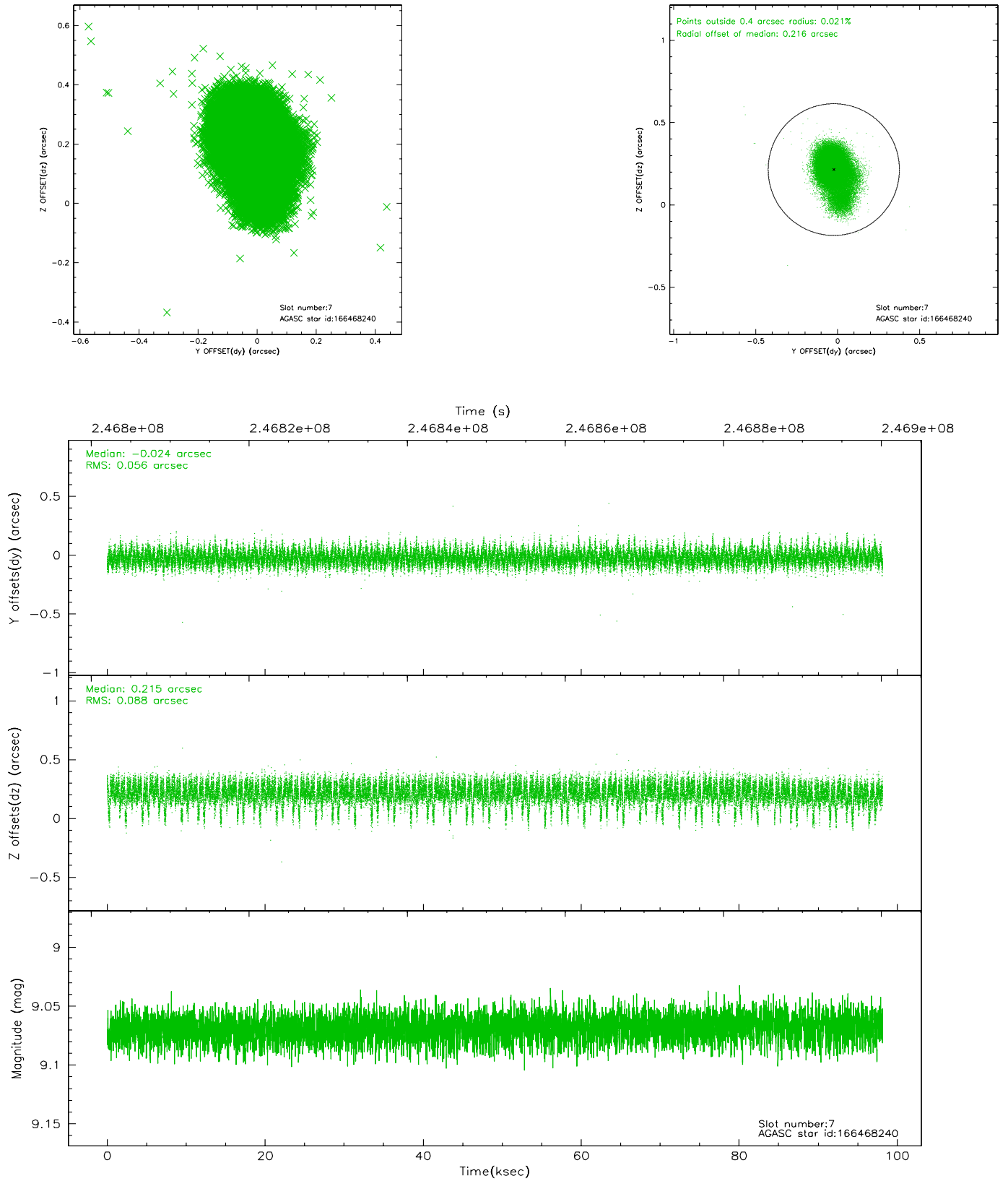
2.4.3 Slot 5



2.4.4 Slot 6

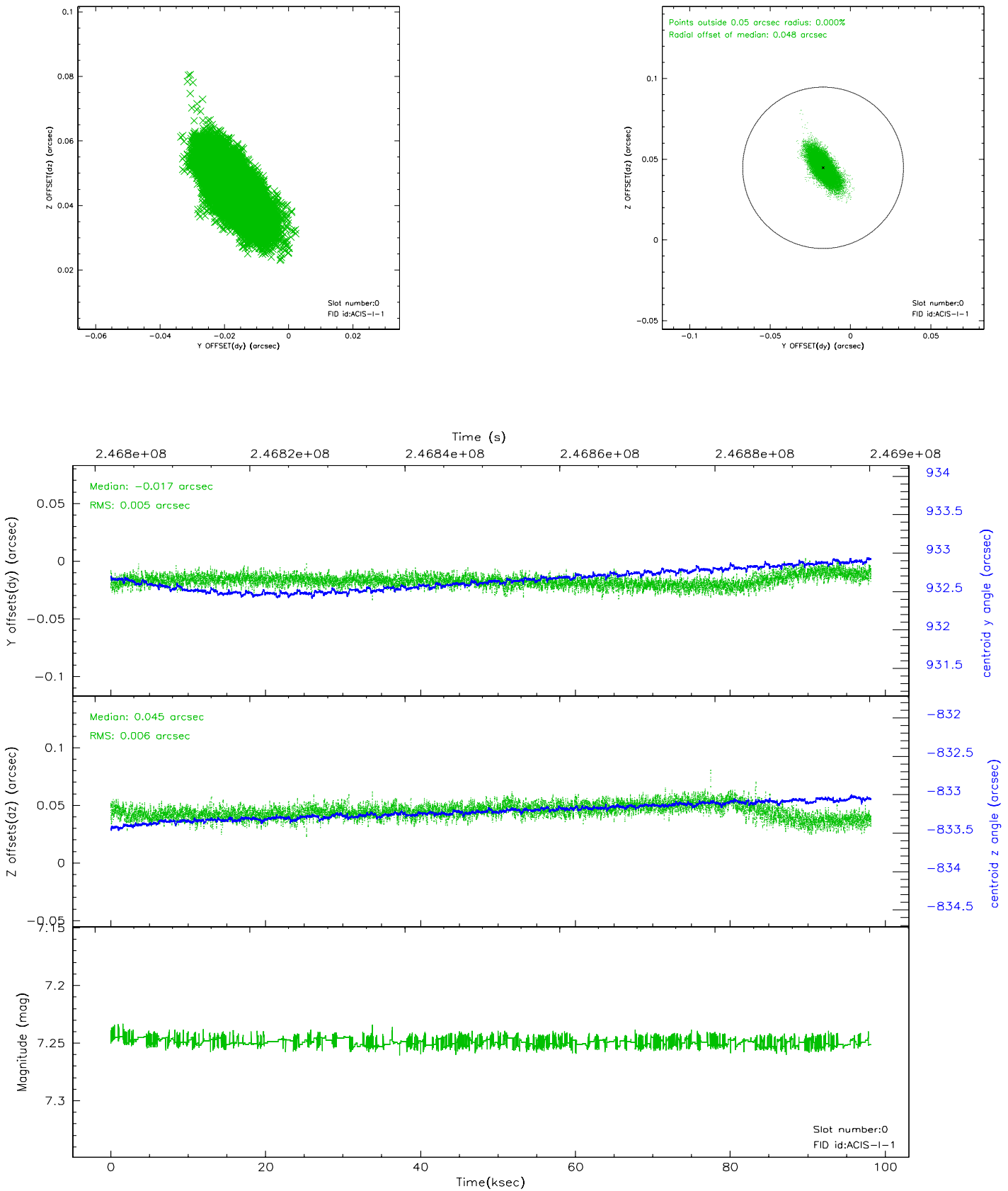


2.4.5 Slot 7

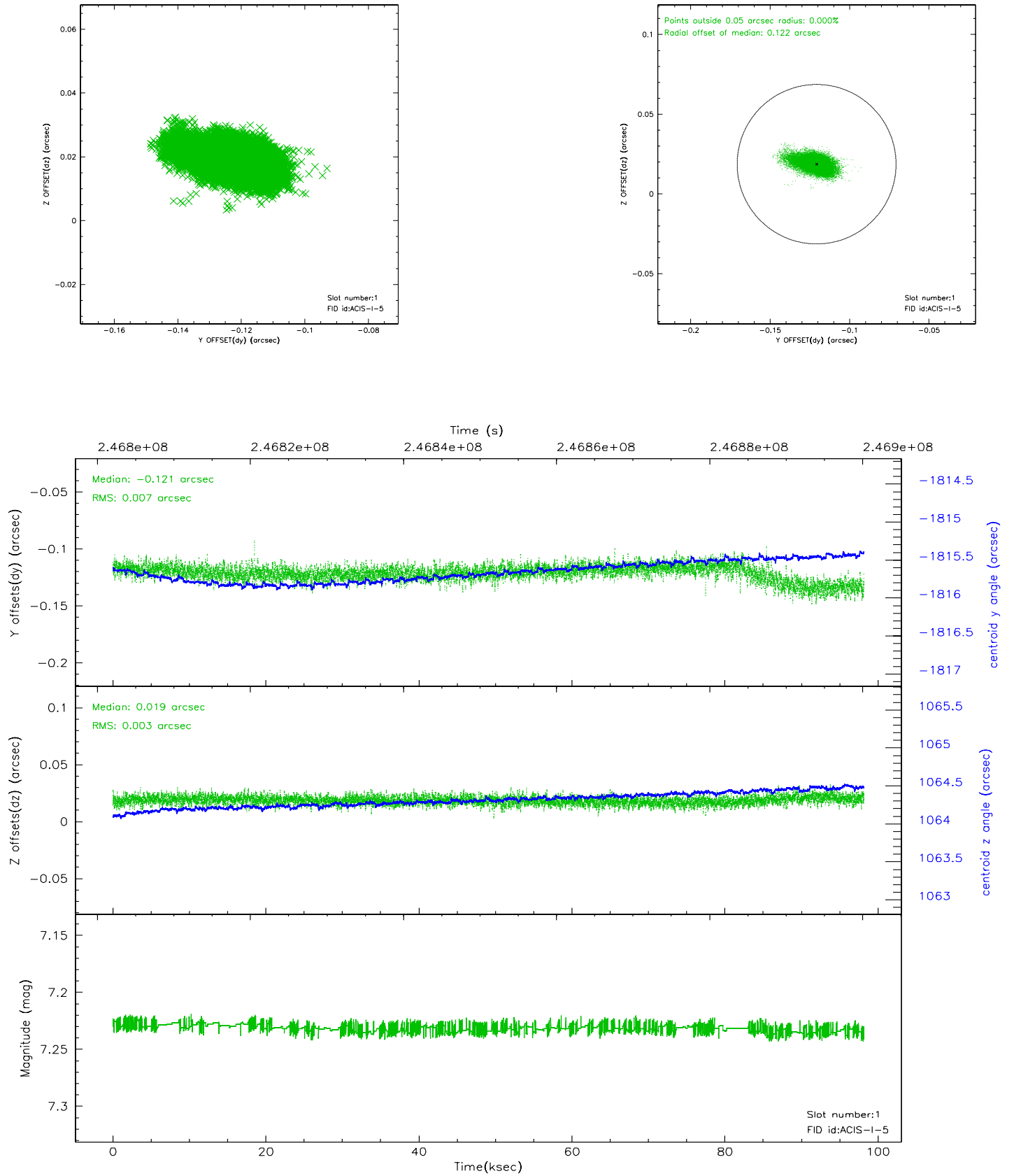


2.5 FID Slots

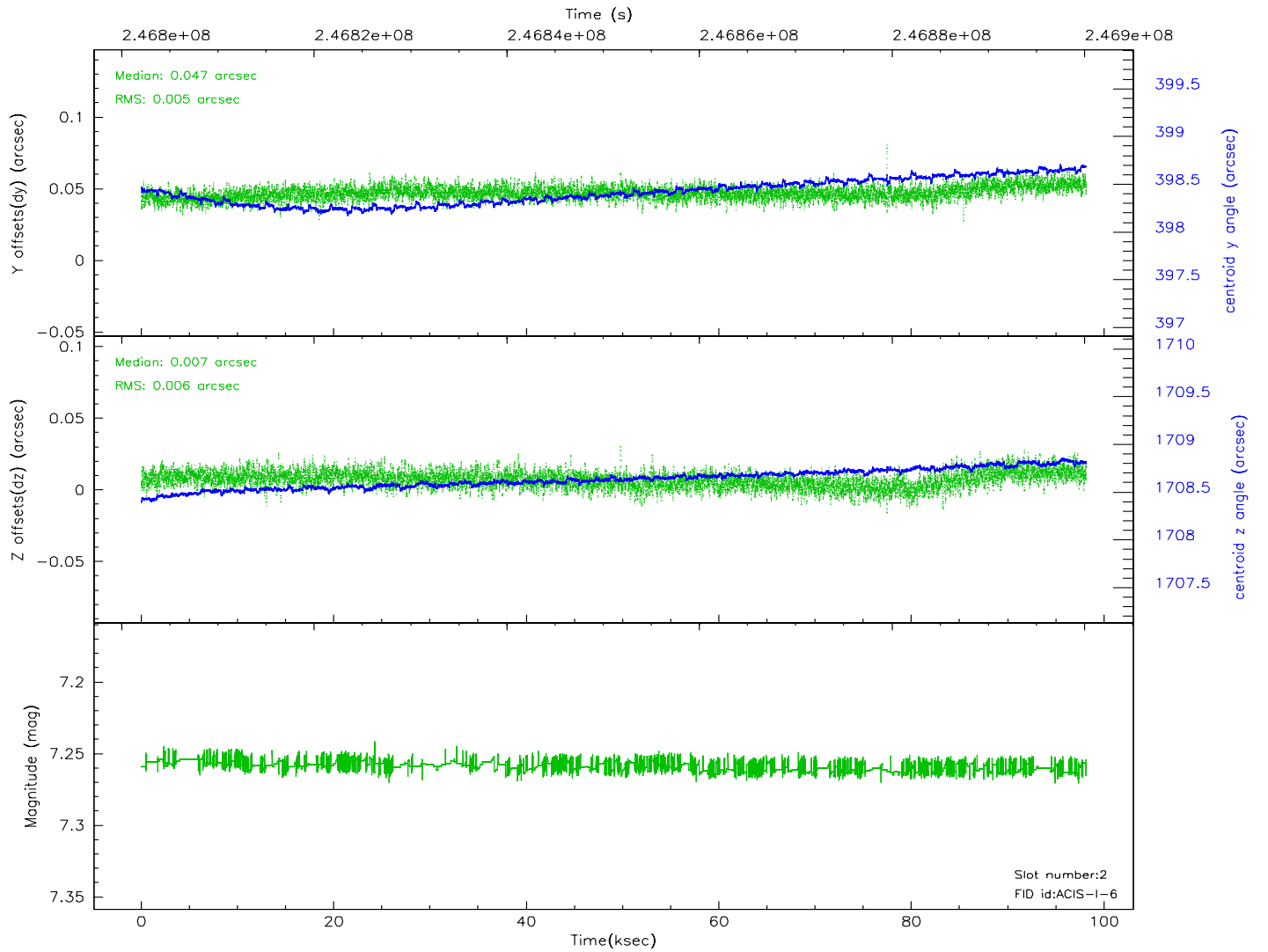
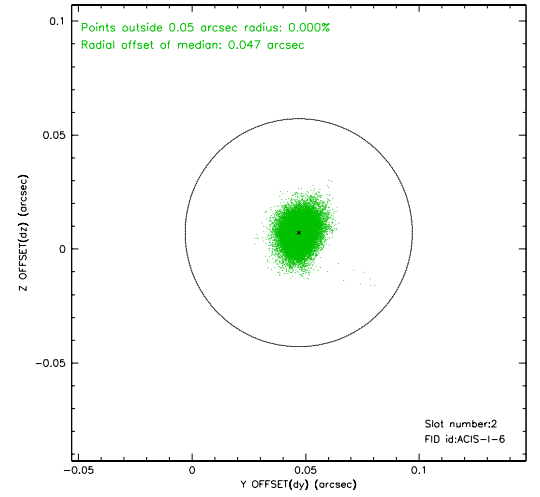
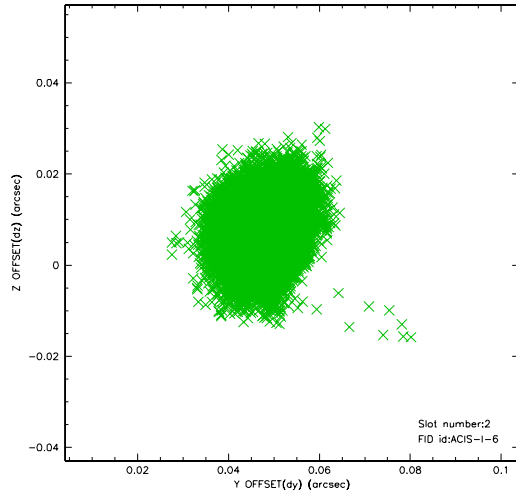
2.5.1 Slot 0



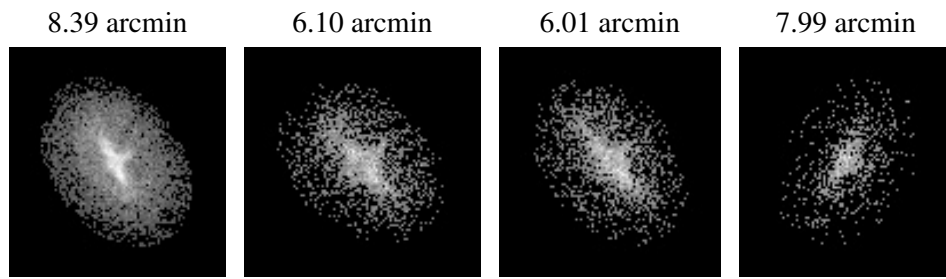
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	98.17275

A.2 Comments

No source at requested position. There is a source at ra=67.89201, dec=18.13416, which is the SIMBAD 2000 position for HH154. The source is very close to the chip boundary.

Roll preference not met. The ACIS focal plane temperature increases by 1 degree over the course of the observation.