

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 4357 - L2 Version 001
Chandra X-Ray Center

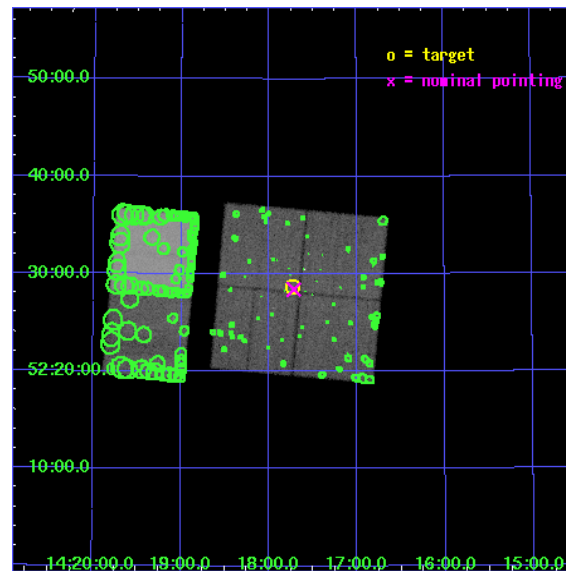
L2 Processing Date : Sep 30 2006

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1 Front

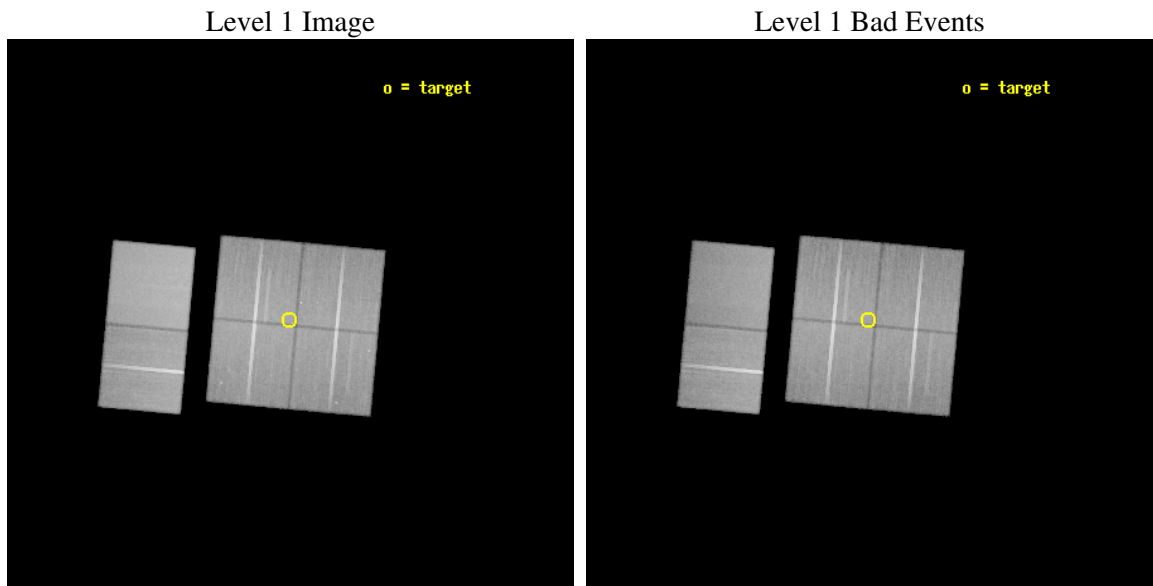
seq_num	900144
obs_id	4357
title	THE X-RAY UNIVERSE AT HIGH REDSHIFT
observer	Professor Kirpal Nandra
object	GROTH-WESTPHAL FIELD
dtcycle	0
cycle	P
ra_targ	214.431667
dec_targ	52.478111
ra_nom	214.429321096
dec_nom	52.473667776365
roll_nom	275.25626902101
revision	2
ontime	85443.199681699
livetime	84361.266439611
ontime0	85443.199681699
ontime1	85443.199681699
ontime2	85443.199681699
ontime3	85443.199681699
ontime6	85443.199681699
ontime7	85443.199681699
l2events	546317



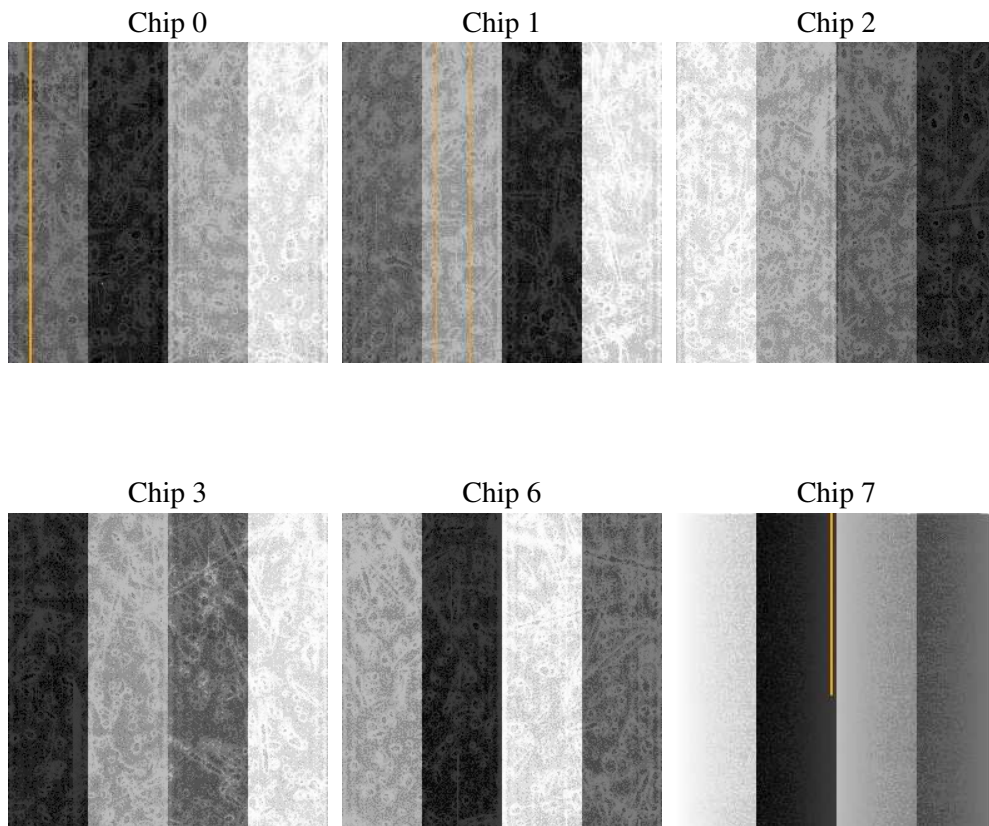
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T14:33:03
revision	2

sched_exp_time	166967.826000
ontime	87225.019073606
ontime0	87225.019073606
ontime1	87225.019073606
ontime2	87225.019073606
ontime3	87225.019073606
ontime6	87225.019073606
ontime7	87225.019073606
l1events	3407689

2.1.4 Events

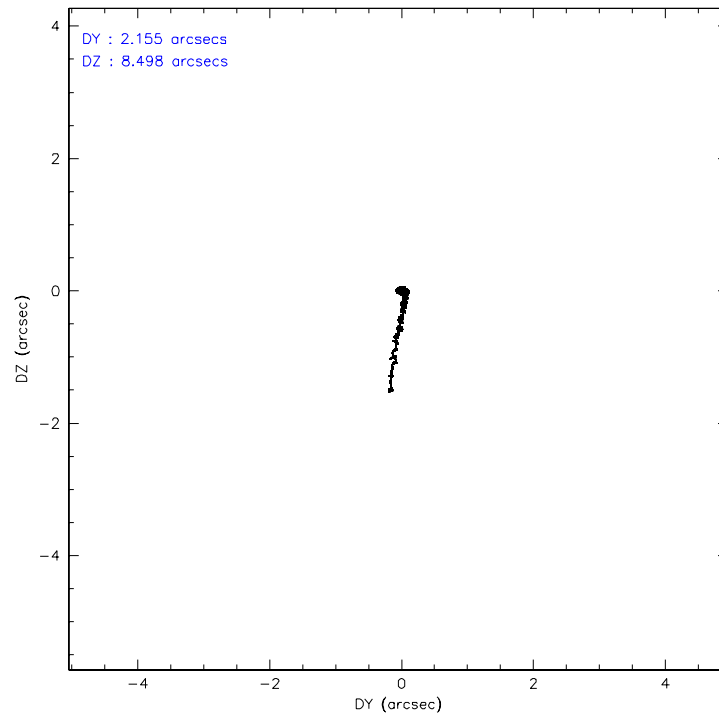
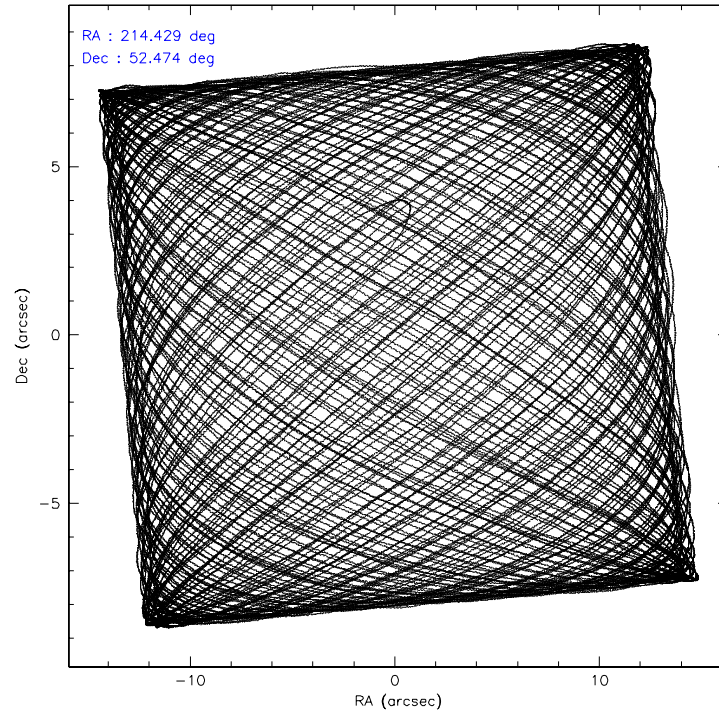
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	504033	509760	546320	541957	578351	727268
rejected events	439182	441086	482903	479780	514648	452051
rejected %	87%	86%	88%	88%	88%	62%

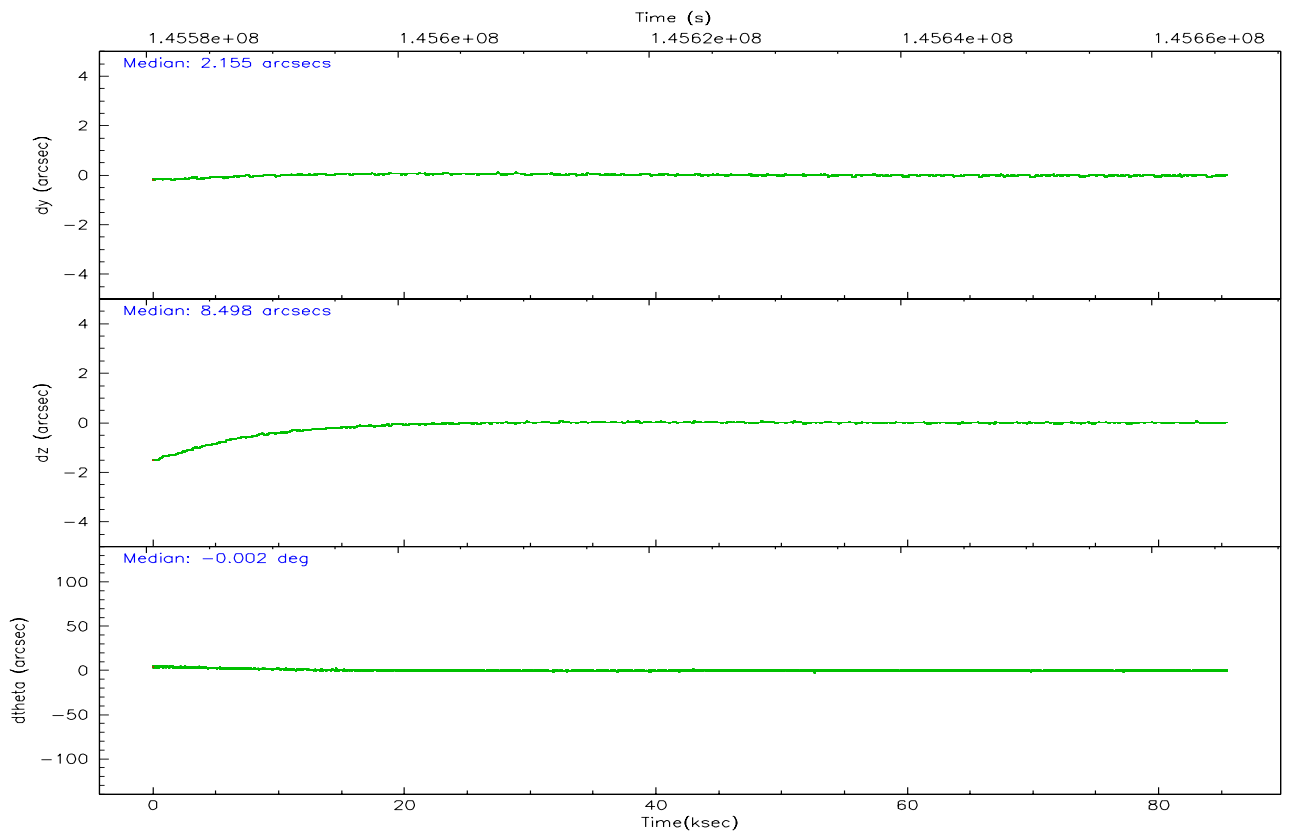
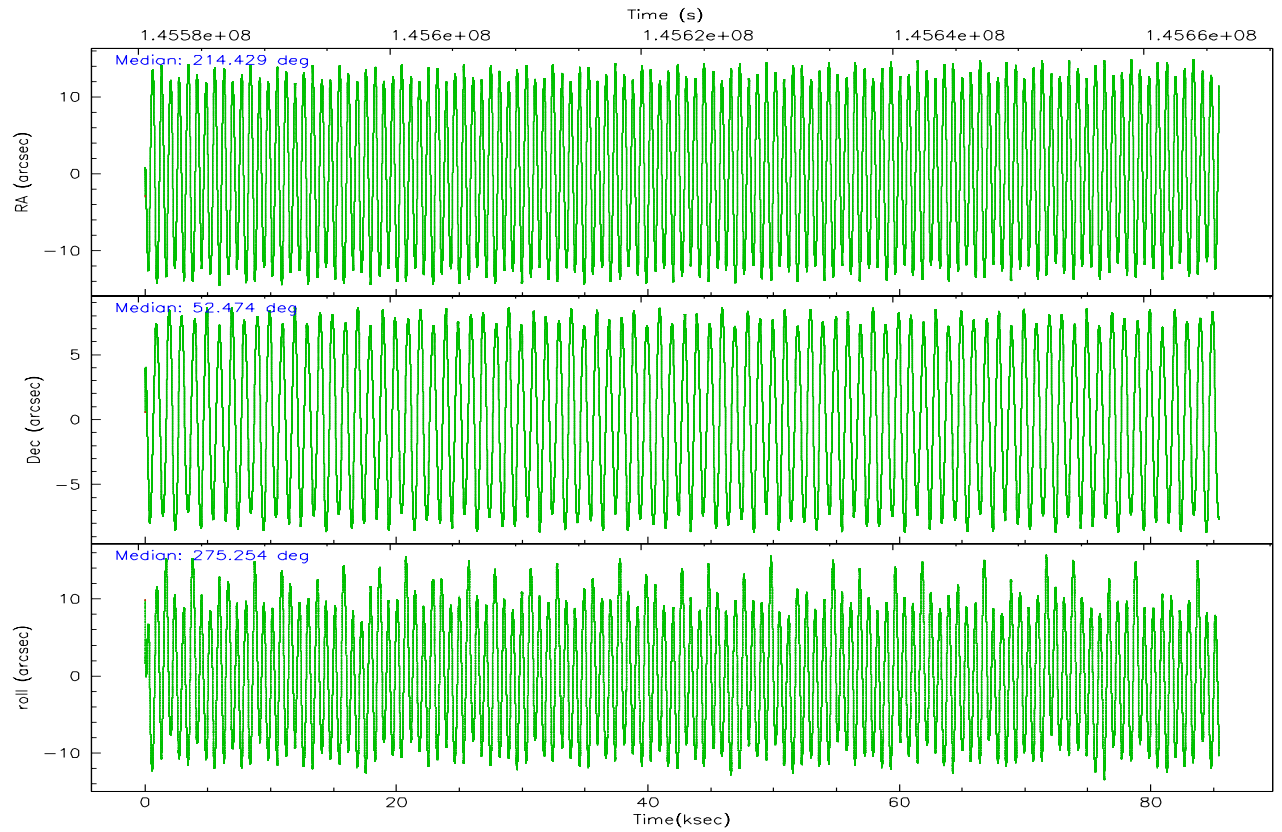
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	28922	28253	29247	27776	25791	17183
	5%	5%	5%	5%	4%	2%
grade 1 events	310	257	329	325	285	434
	0%	0%	0%	0%	0%	0%
grade 2 events	13432	14561	12880	11962	13203	68452
	2%	2%	2%	2%	2%	9%
grade 3 events	6680	6933	6104	6381	6497	14793
	1%	1%	1%	1%	1%	2%
grade 4 events	6074	6930	6032	6252	6294	14645
	1%	1%	1%	1%	1%	2%
grade 5 events	21224	22214	20580	23081	25733	49330
	4%	4%	3%	4%	4%	6%
grade 6 events	11113	13318	10482	11054	13298	165808
	2%	2%	1%	2%	2%	22%
grade 7 events	416278	417294	460666	455126	487250	396623
	82%	81%	84%	83%	84%	54%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	214.403240	214.4293210959952	Subarray requested	NONE	NONE
Pointing Dec	52.495987	52.47366777636493	Alternating exposures requested	N	N
Pointing Roll	275.068273	275.2562690210122	Primary exposure time	0.000000	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	145580659.184000	145578720.67394			
Observation start date	2002-08-12T23:03:15	2002-08-12T22:32:00			
Observation end time	145747627.184000	145666849.15257			
Observation end date	2002-08-14T21:26:03	2002-08-13T23:00:49			
Read mode	TIMED	TIMED			

2.3 Aspect



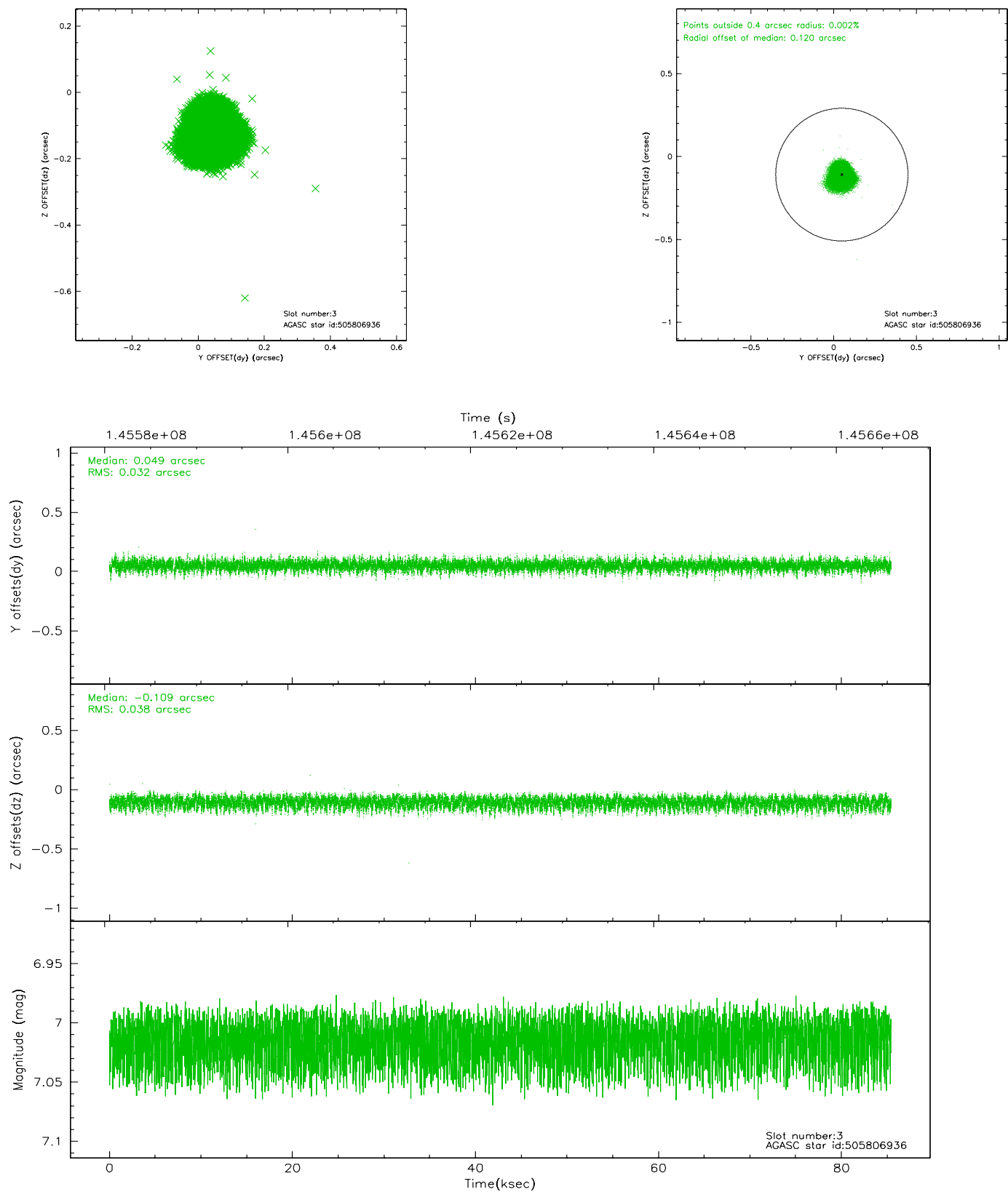


Slot Statistics

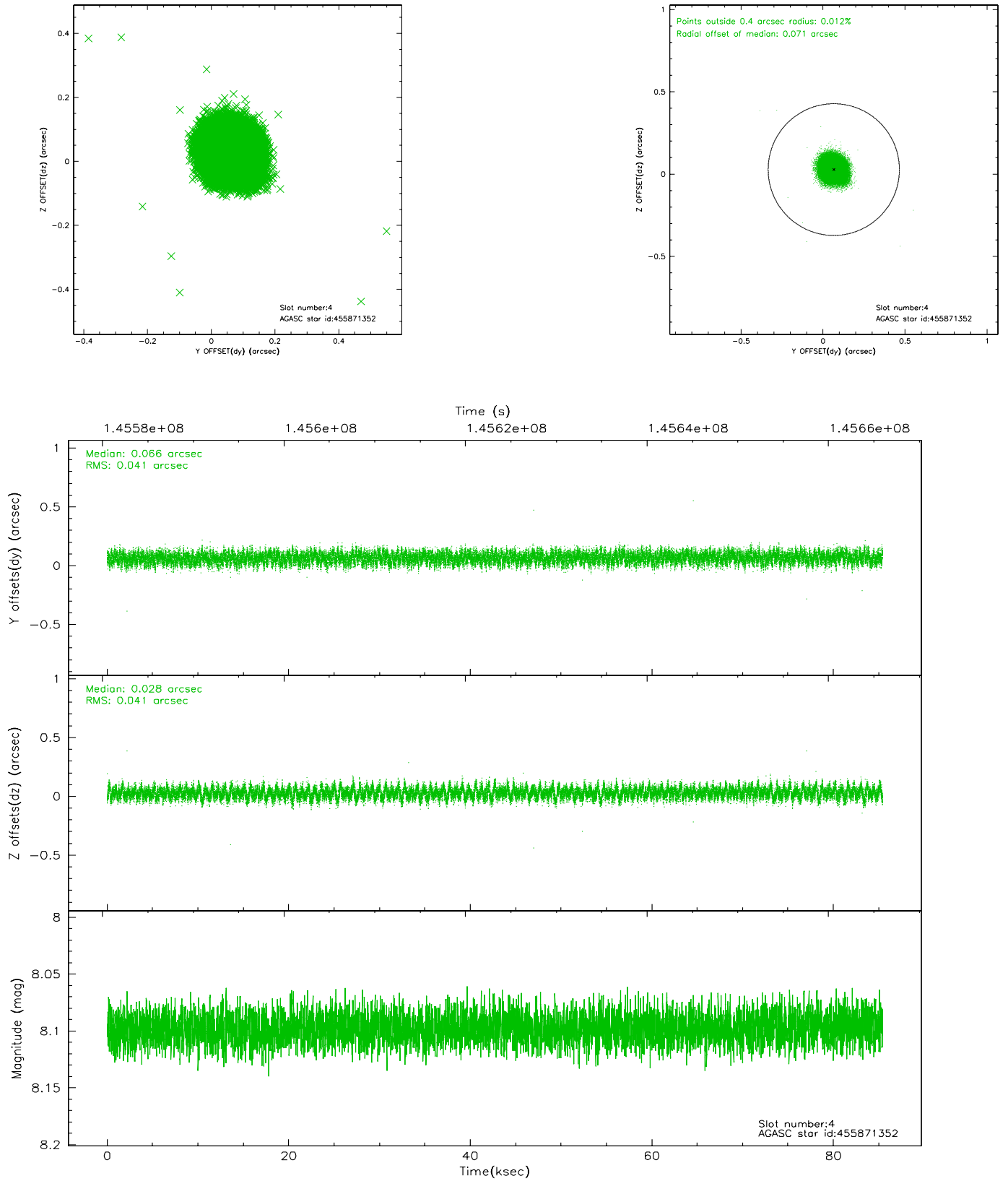
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	20840	-0.063	0.105	0.008	0.042	0.000000	0.000000	937.60	-831.71
1	FID	ACIS-I-5	7.24	20840	-0.001	0.016	0.008	0.023	0.000000	0.000000	-1810.48	1065.75
2	FID	ACIS-I-6	7.26	20841	-0.029	-0.051	0.008	0.020	0.000000	0.000000	403.27	1710.08
3	GUIDE	505806936	7.01	41554	0.049	-0.109	0.052	0.087	213.820815	52.535927	-260.50	-1256.40
4	GUIDE	455871352	8.10	41672	0.066	0.028	0.062	0.097	215.099961	52.172669	1288.35	1431.01
5	GUIDE	505812376	7.60	41676	-0.141	0.021	0.055	0.089	214.039537	52.937930	-1656.14	-644.41
6	GUIDE	505808024	9.05	41672	0.015	0.012	0.067	0.108	213.832794	52.669095	-735.24	-1184.10
7	GUIDE	455872024	9.34	41648	0.014	0.055	0.093	0.150	215.329595	52.026605	1851.76	1896.82

2.4 Star Slots

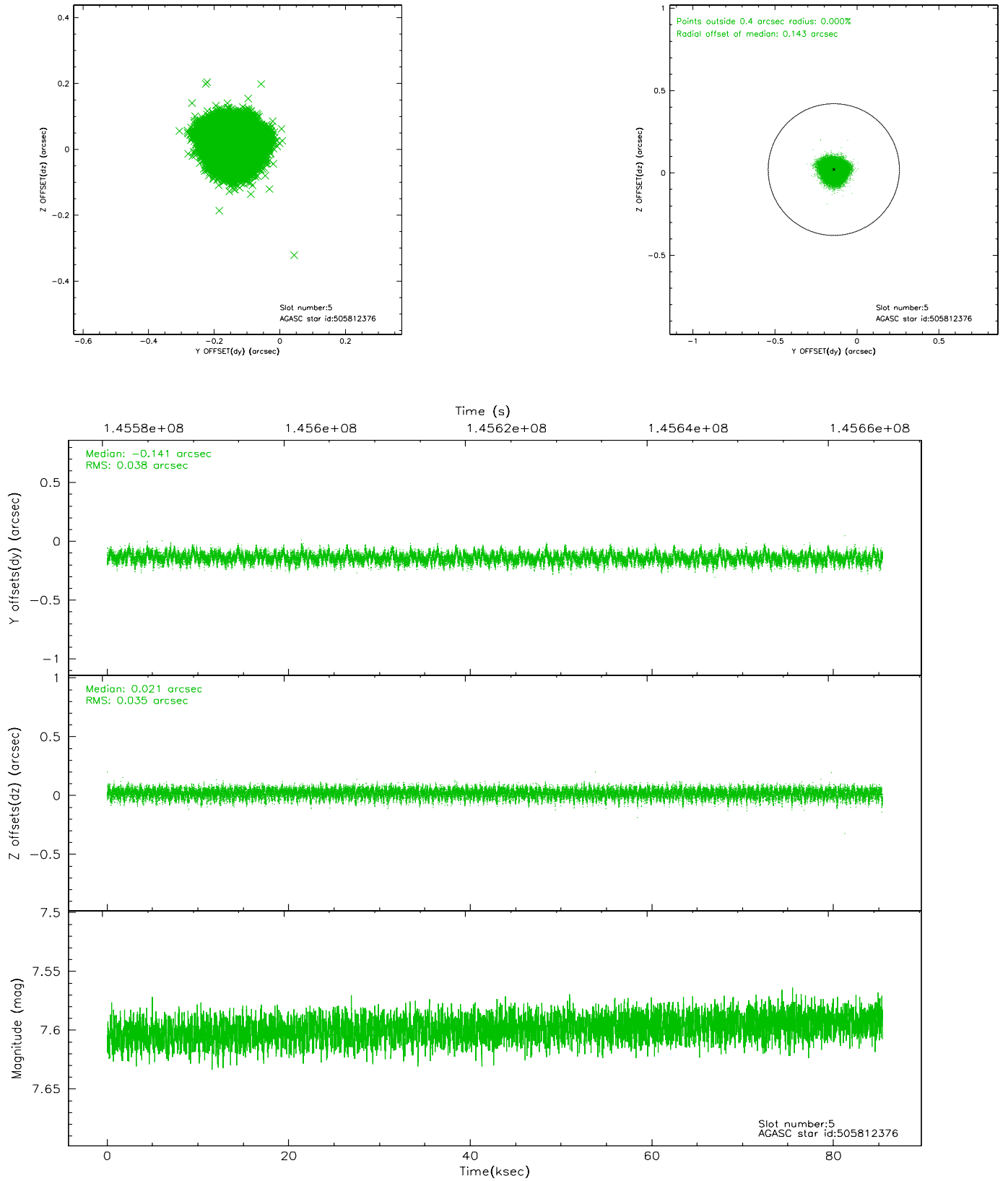
2.4.1 Slot 3



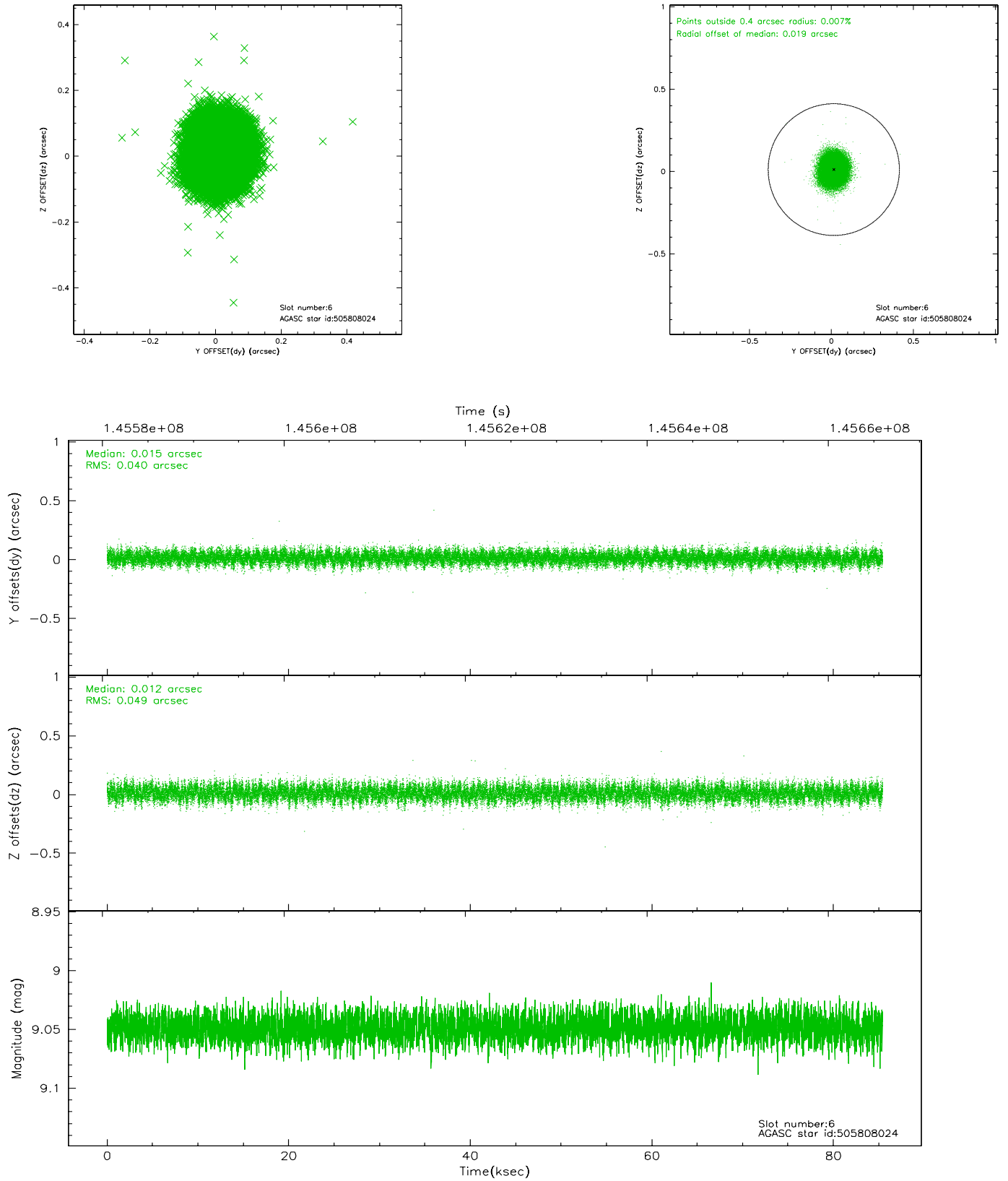
2.4.2 Slot 4



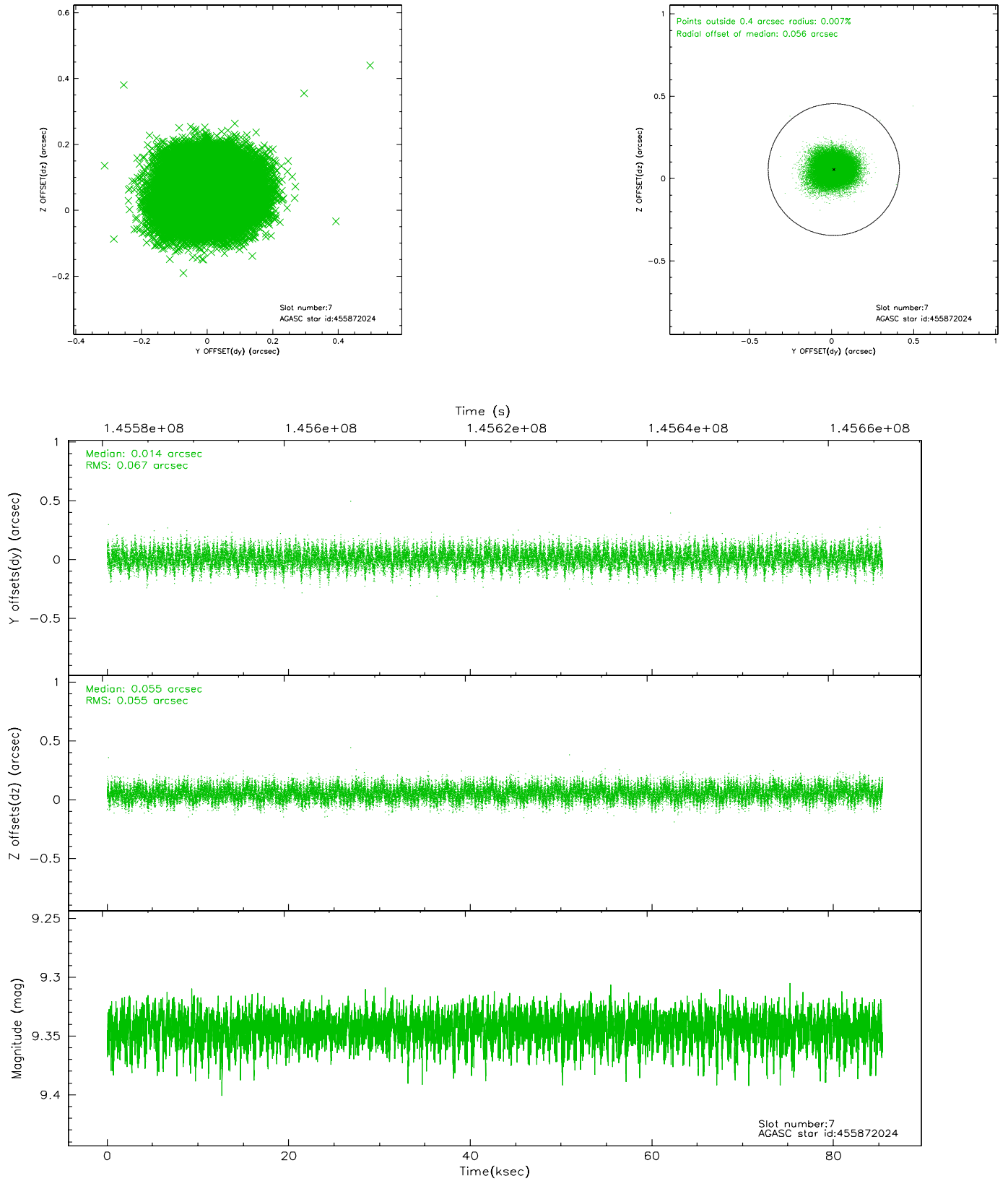
2.4.3 Slot 5



2.4.4 Slot 6

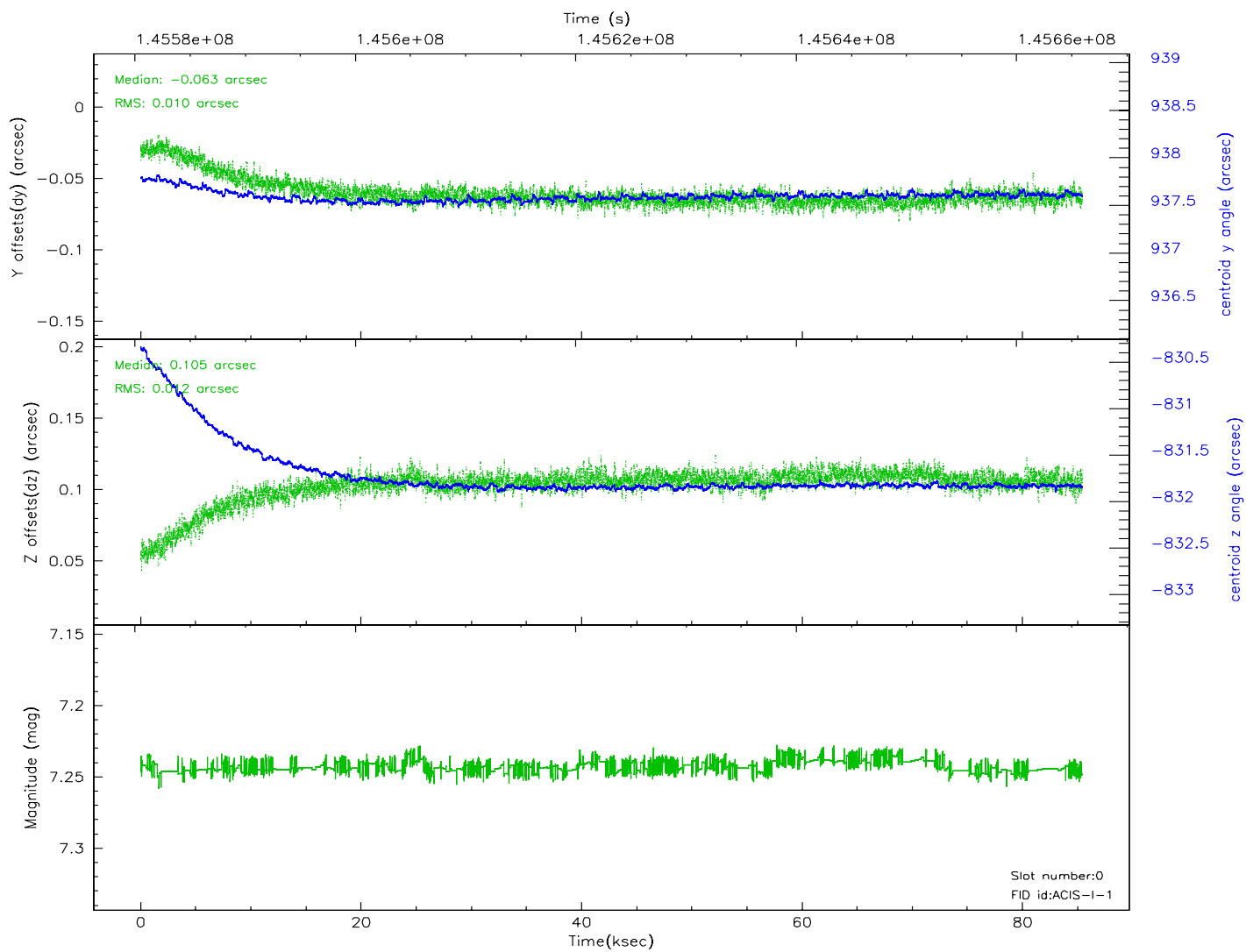
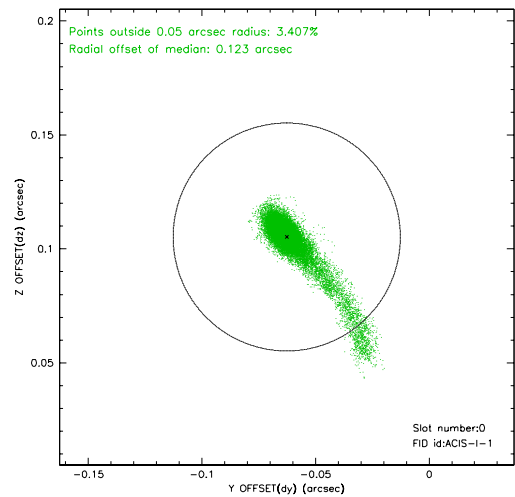
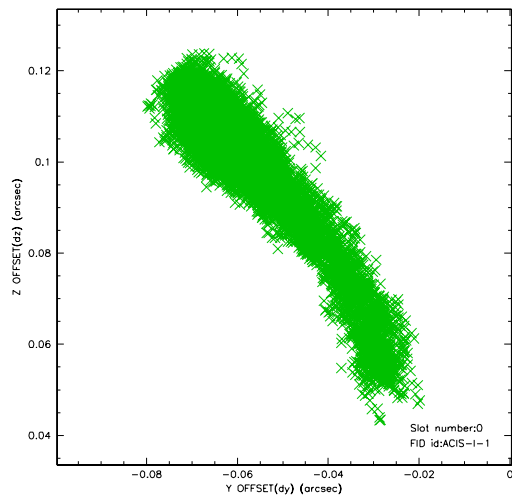


2.4.5 Slot 7

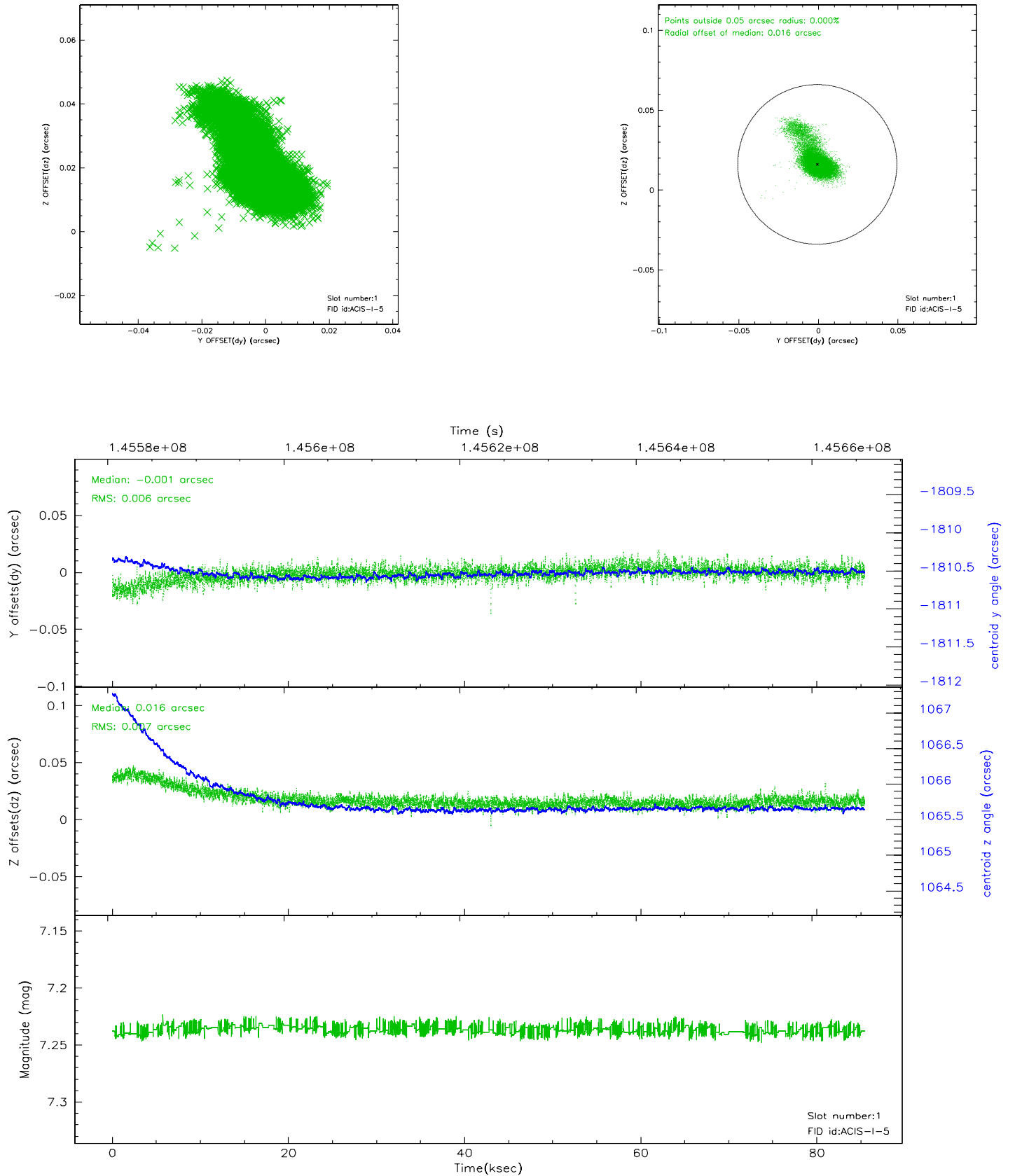


2.5 FID Slots

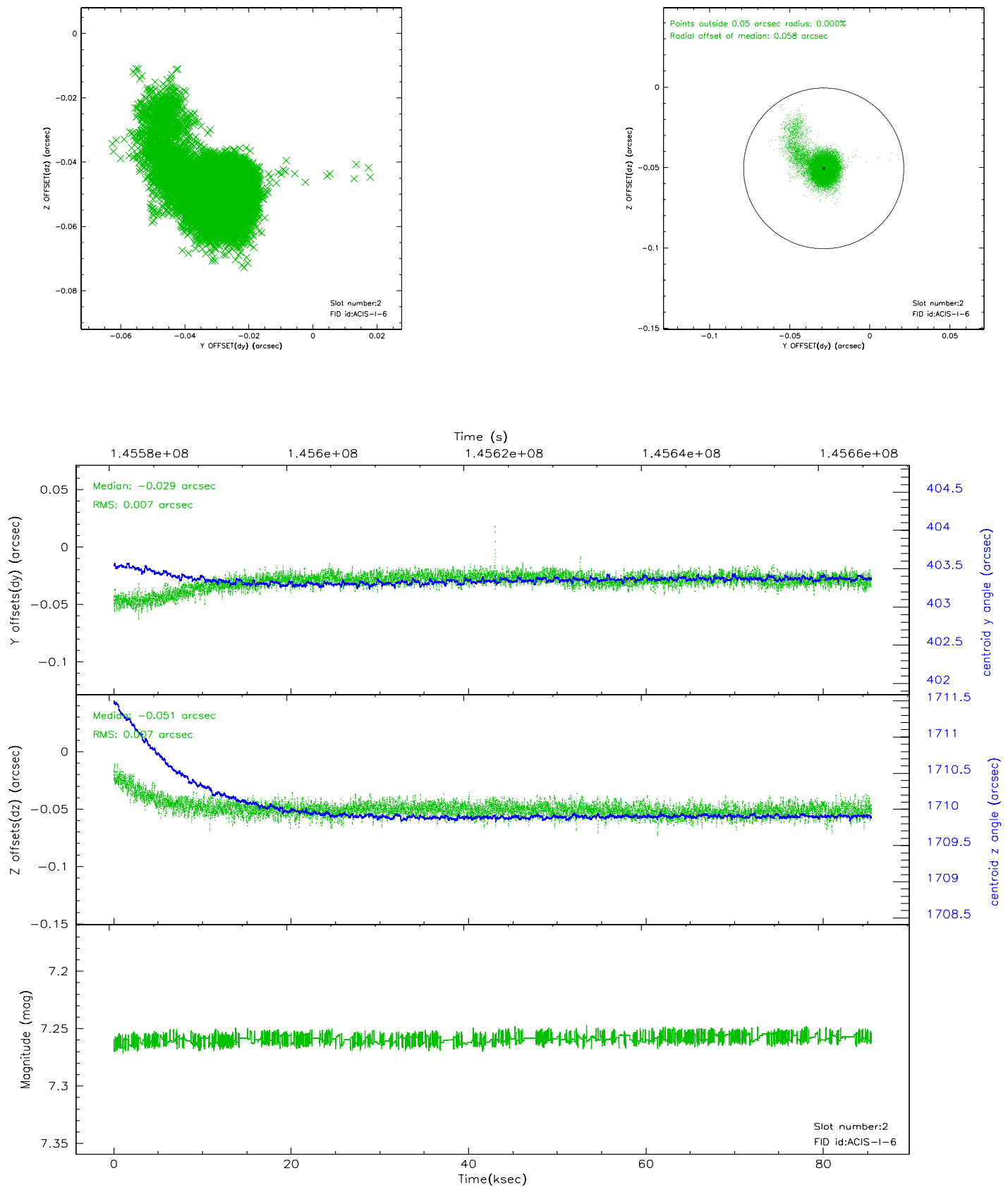
2.5.1 Slot 0



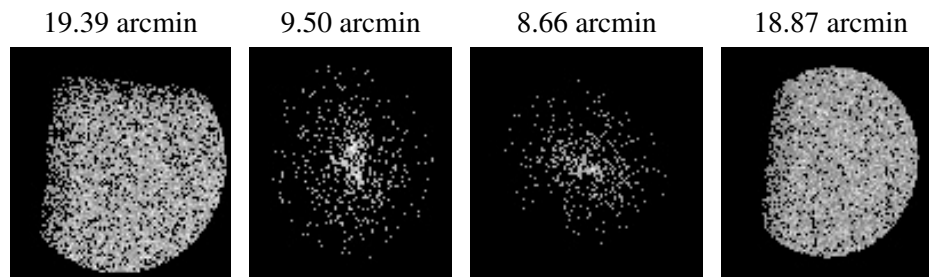
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	85.443

A.2 Comments

The observation was interrupted for a T00; the remainder of the observing time was scheduled under a different obsid.

Focal plane temperature is warmer than -118.7 C degrees during the first 5 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.