

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5670 - L2 Version 002
Chandra X-Ray Center

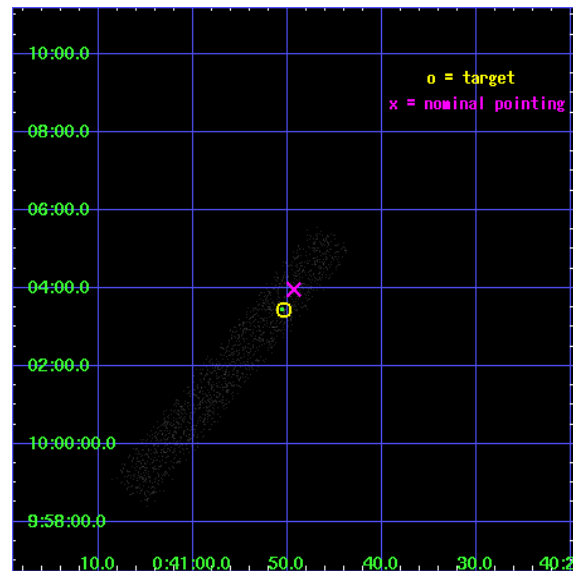
L2 Processing Date : Mar 25 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

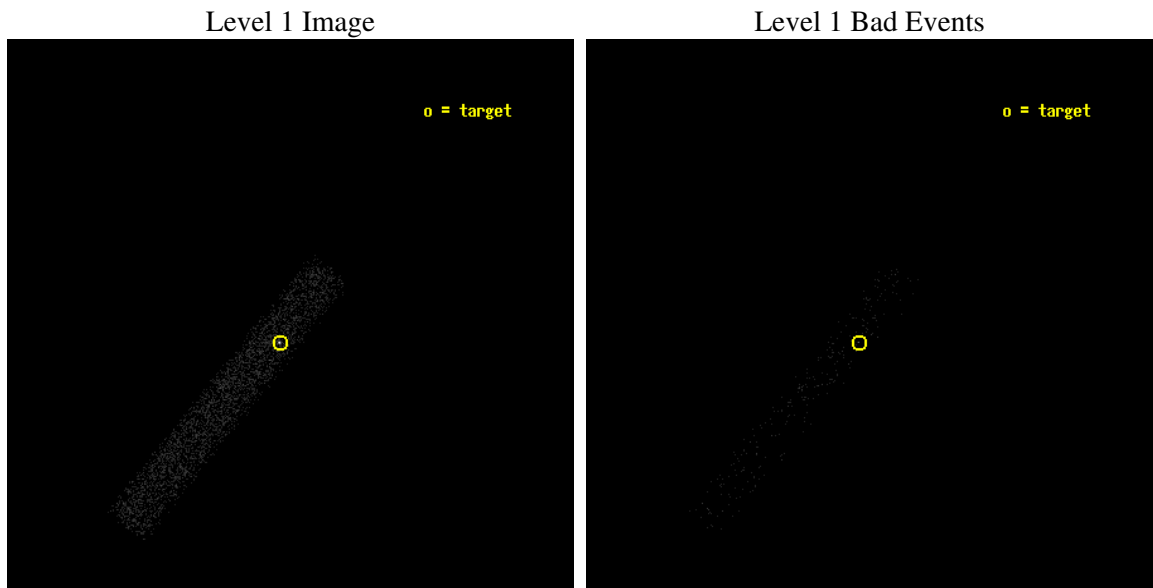
seq_num	701093
obs_id	5670
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)
observer	Dr. Sally Laurent-Muehleisen
object	RGB0040+100
dtcycle	0
cycle	P
ra_targ	10.210417
dec_targ	10.057417
ra_nom	10.20576934345
dec_nom	10.065966980915
roll_nom	128.84898336243
revision	2
ontime	3182.8000474274
livetime	2886.6316410552
ontime7	3182.8000474274
l2events	2483



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-25T18:53:58
revision	2

sched_exp_time	3000.000000
ontime	4135.5855600834
ontime7	4135.5855600834
l1events	5801

2.1.4 Events

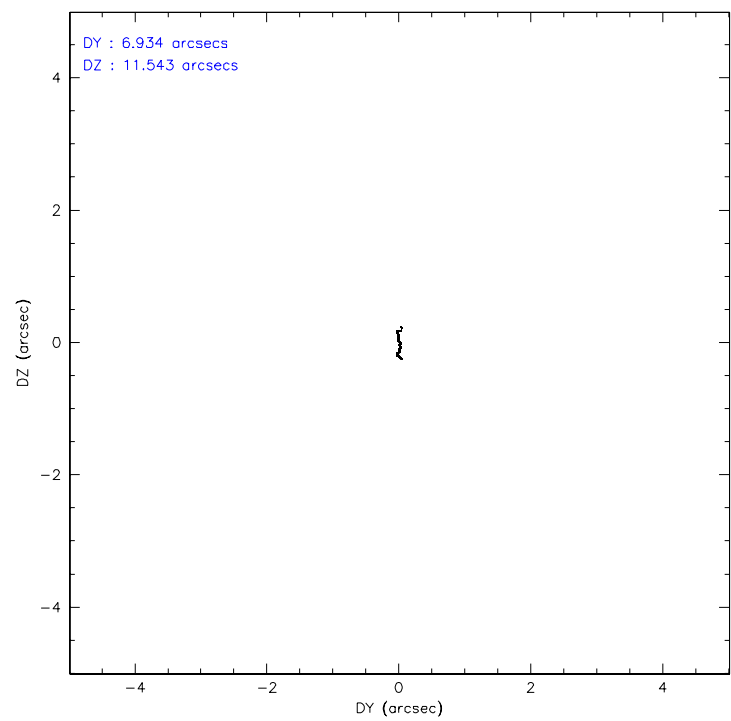
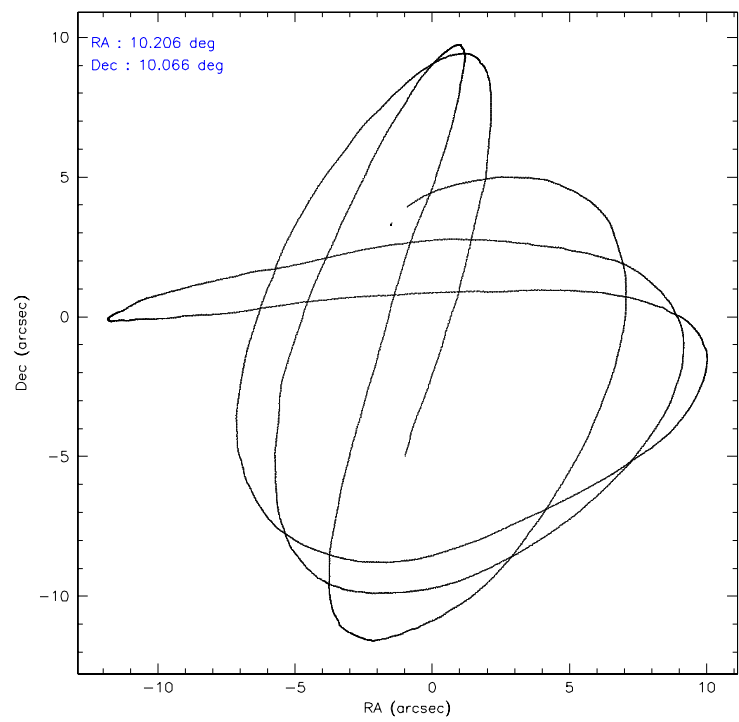
	ccd 7
level 1 events	5801
rejected events	3241
rejected %	55%

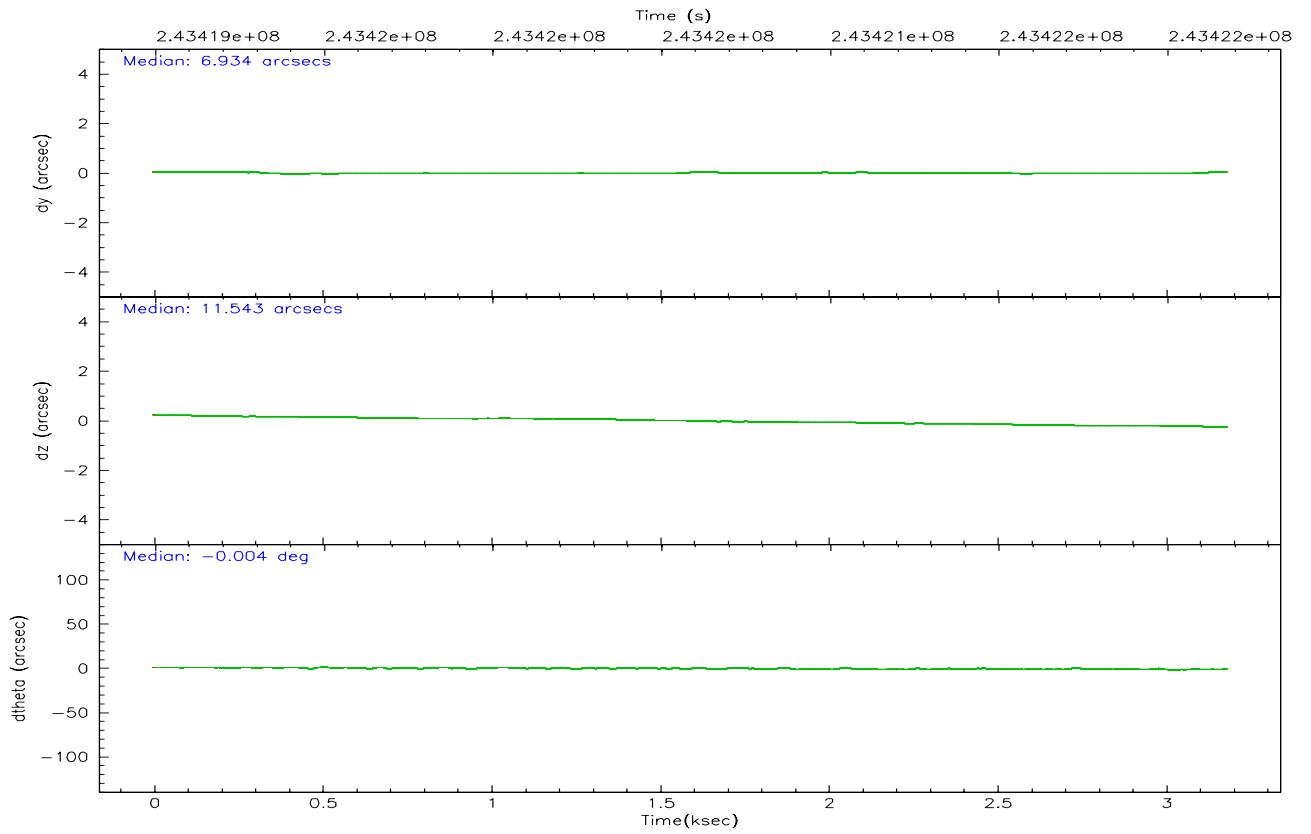
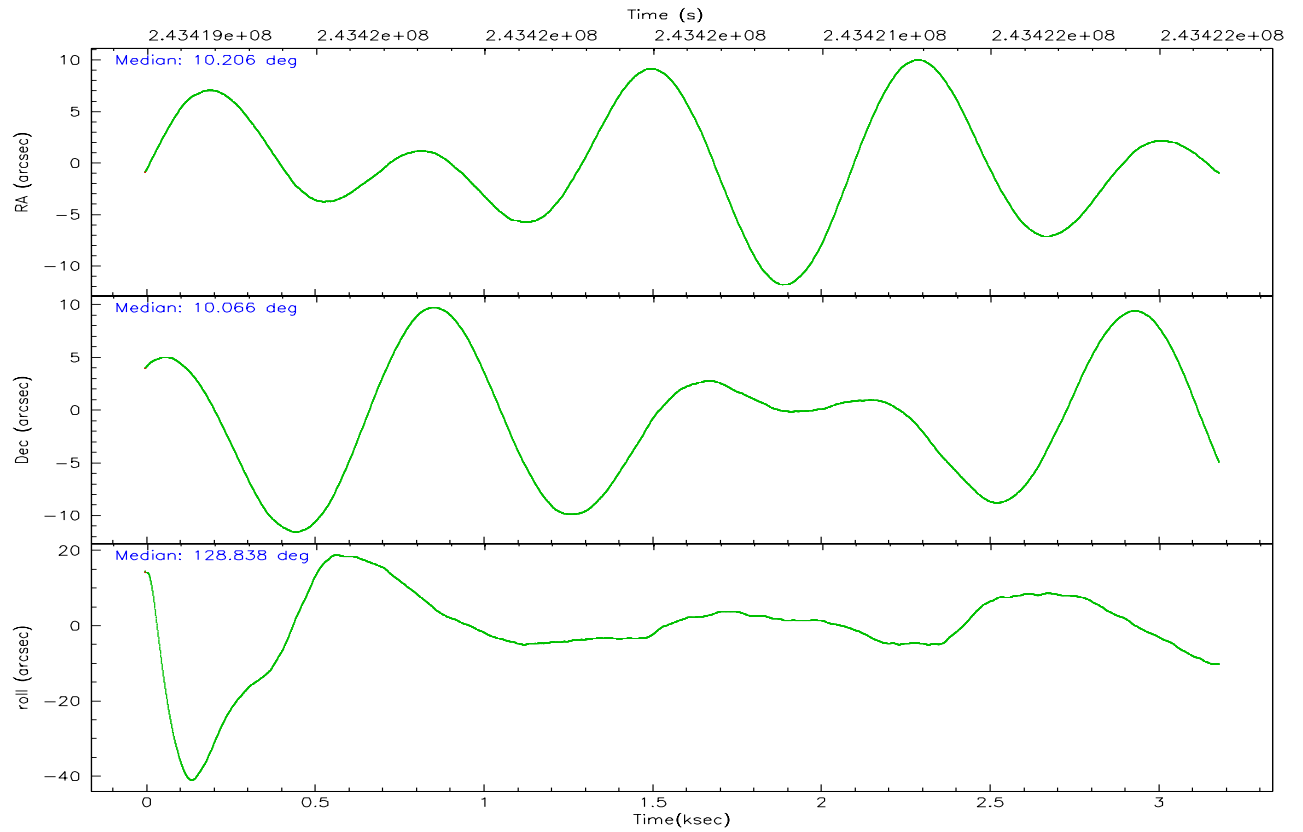
	ccd 7
grade 0 events	381
	6%
grade 1 events	3
	0%
grade 2 events	788
	13%
grade 3 events	339
	5%
grade 4 events	285
	4%
grade 5 events	359
	6%
grade 6 events	1303
	22%
grade 7 events	2343
	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	1/8	1/8
Pointing RA	10.231618	10.20576934344998	Subarray start row	0	449
Pointing Dec	10.056418	10.06596698091466	Subarray row count	1024	128
Pointing Roll	128.687553	128.8489833624337	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	243419171.184000	243418036.11117			
Observation start date	2005-09-18T08:25:07	2005-09-18T08:07:16			
Observation end time	243422171.184000	243422875.1364			
Observation end date	2005-09-18T09:15:07	2005-09-18T09:27:55			
Read mode	TIMED	TIMED			

2.3 Aspect



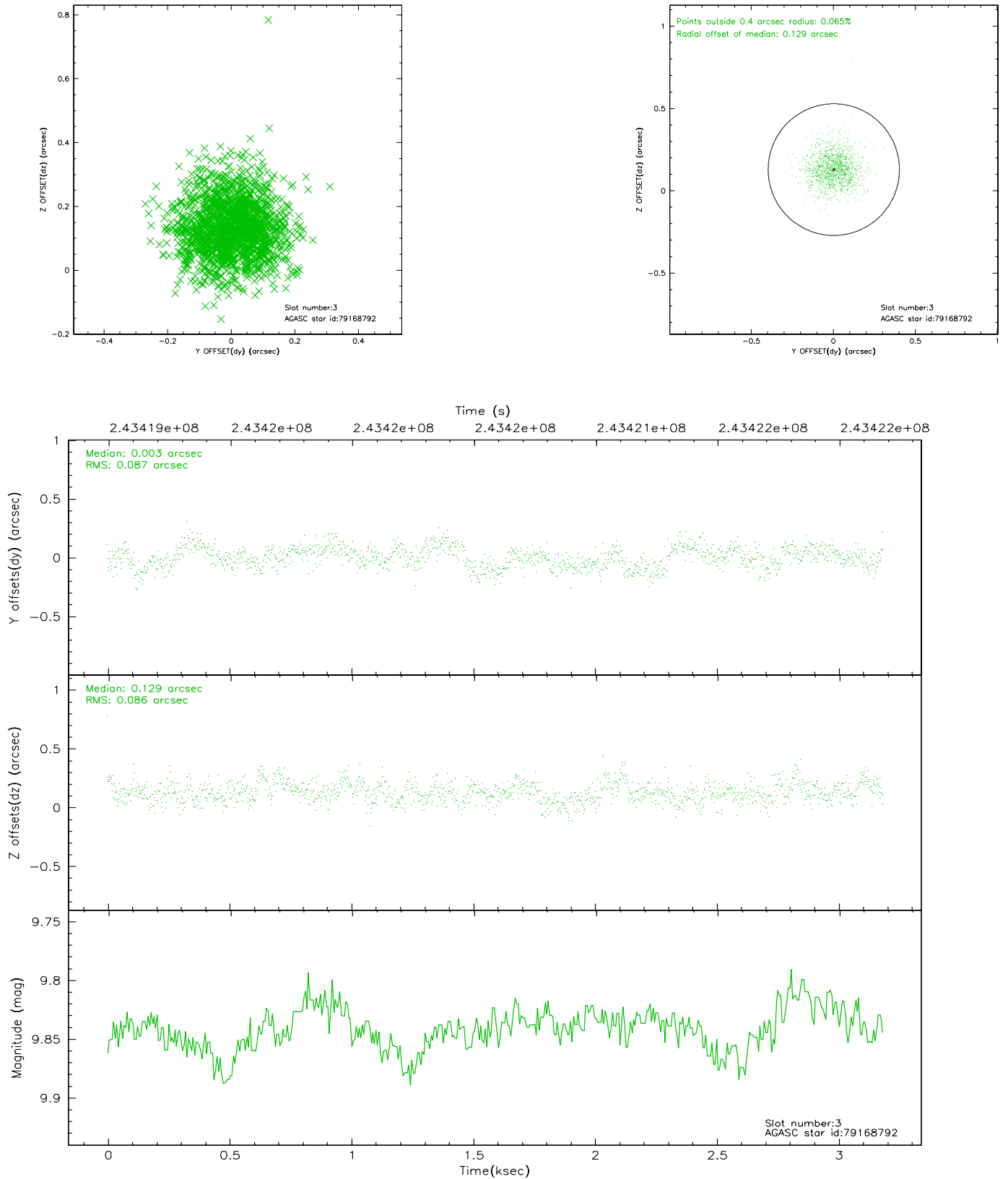


Slot Statistics

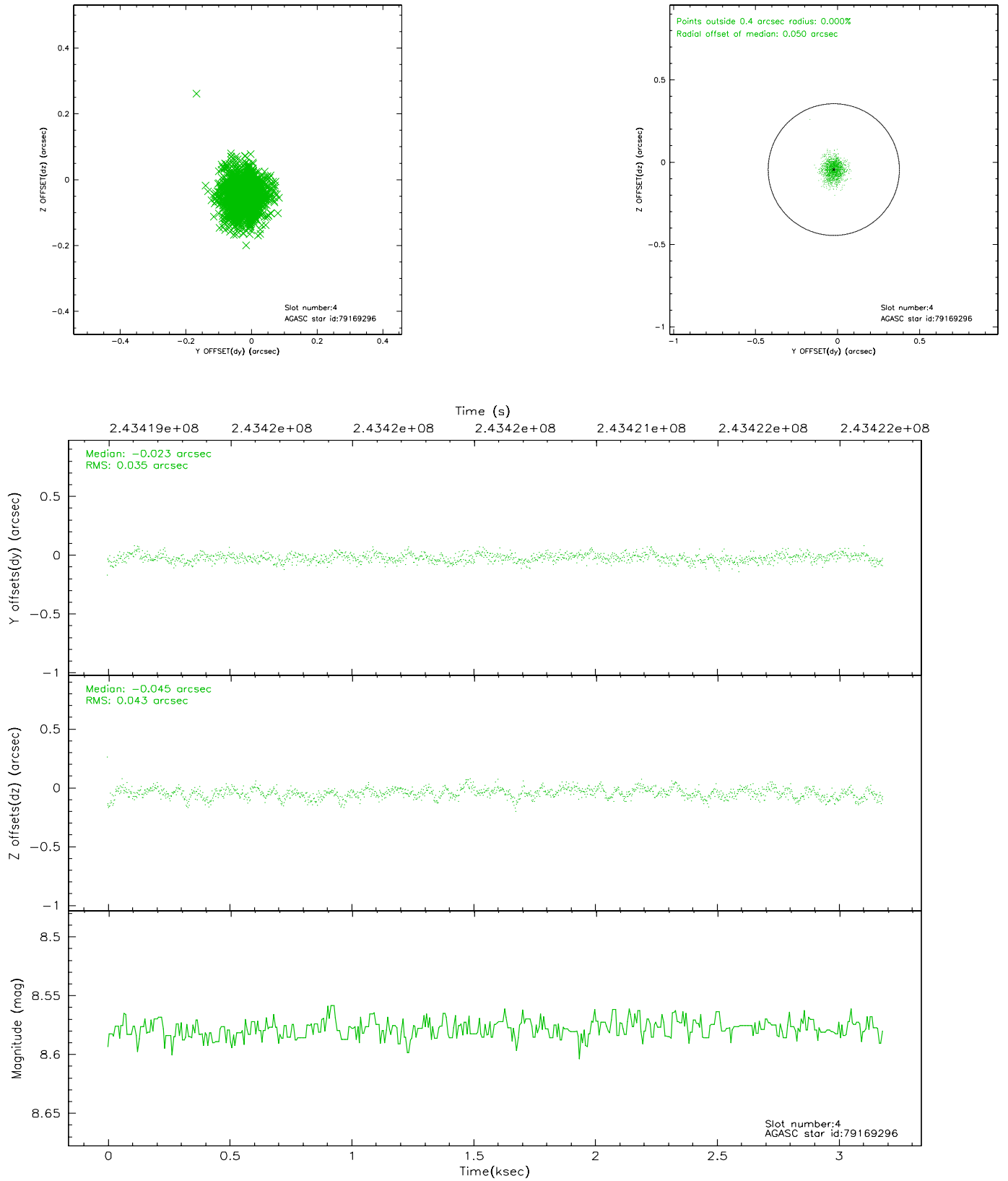
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	777	-0.025	0.005	0.007	0.011	0.000000	0.000000	-759.70	-1732.83
1	FID	ACIS-S-4	7.20	777	0.035	0.011	0.005	0.009	0.000000	0.000000	2152.71	173.62
2	FID	ACIS-S-5	7.23	777	-0.040	-0.007	0.007	0.011	0.000000	0.000000	-1810.00	169.51
3	GUIDE	79168792	9.84	1550	0.003	0.129	0.127	0.210	11.105705	9.952642	-2225.39	-2187.88
4	GUIDE	79169296	8.58	1554	-0.023	-0.045	0.058	0.097	10.381920	9.624208	-1549.46	555.18
5	GUIDE	79170792	8.53	1553	0.059	-0.073	0.069	0.116	10.219484	9.381228	-1871.65	1553.79
6	GUIDE	79177888	6.69	1554	0.002	-0.067	0.054	0.094	10.299477	9.355058	-2123.03	1392.38
7	GUIDE	79440720	9.20	1553	-0.046	0.054	0.079	0.128	10.142894	10.124563	386.64	93.92

2.4 Star Slots

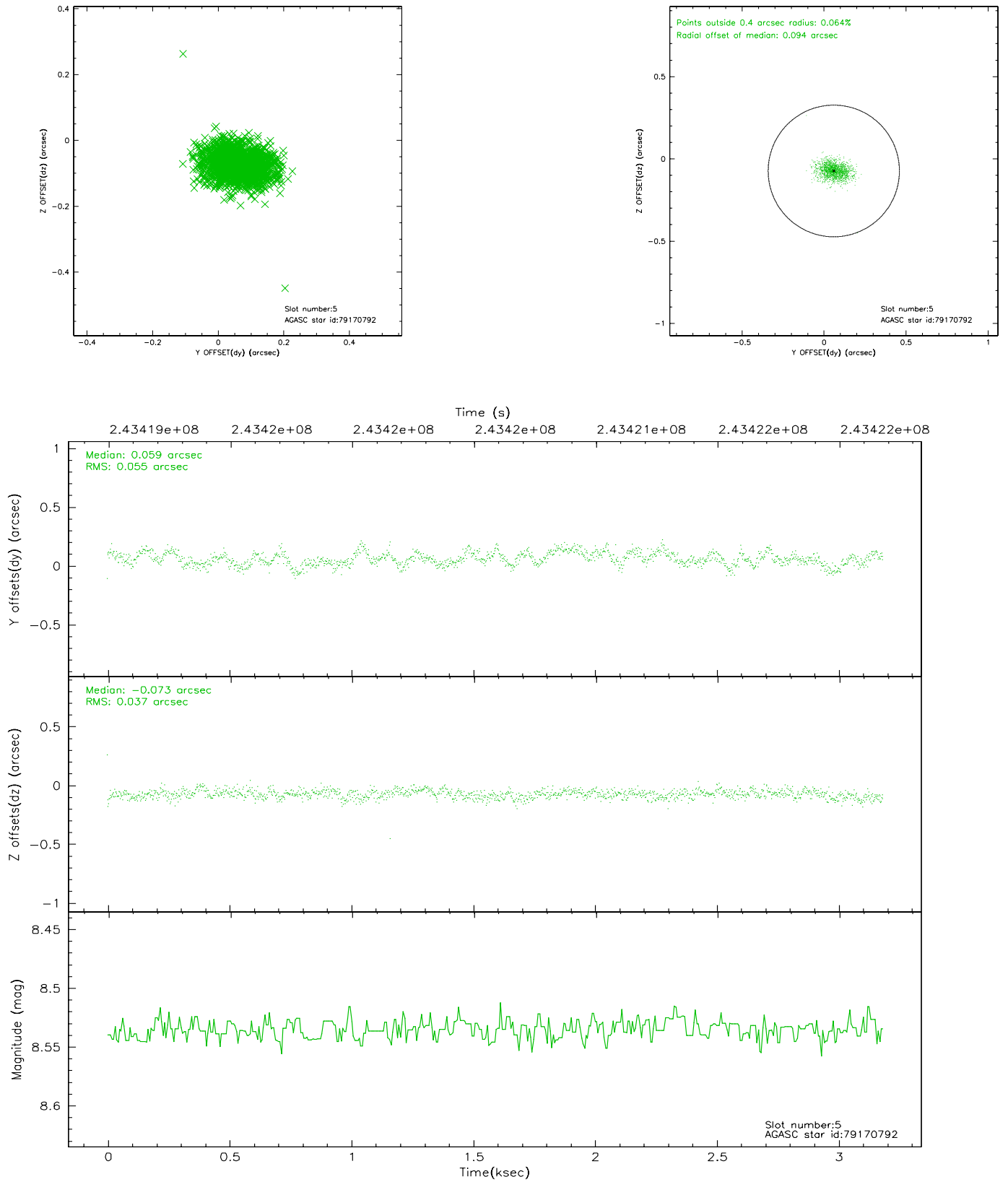
2.4.1 Slot 3



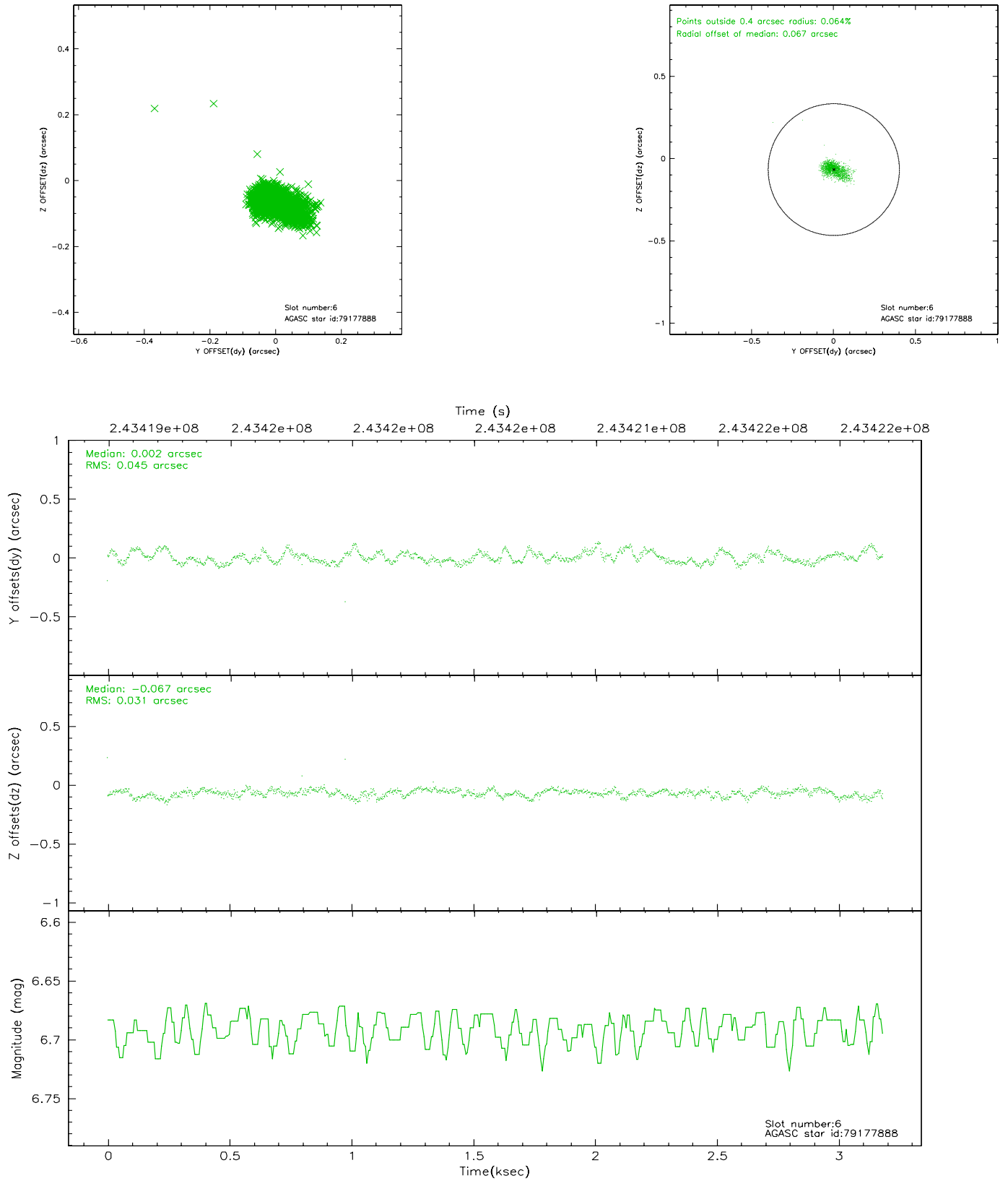
2.4.2 Slot 4



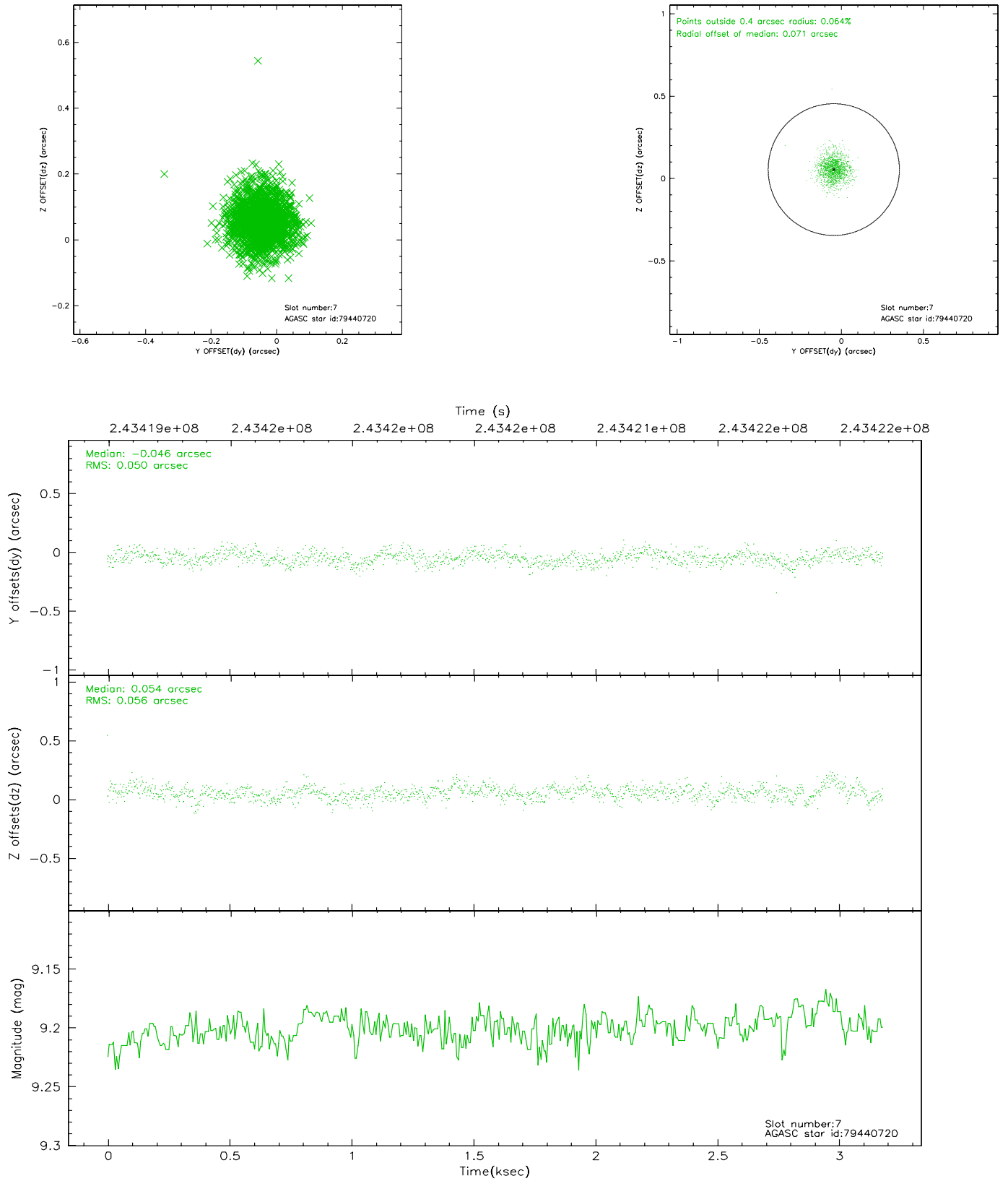
2.4.3 Slot 5



2.4.4 Slot 6

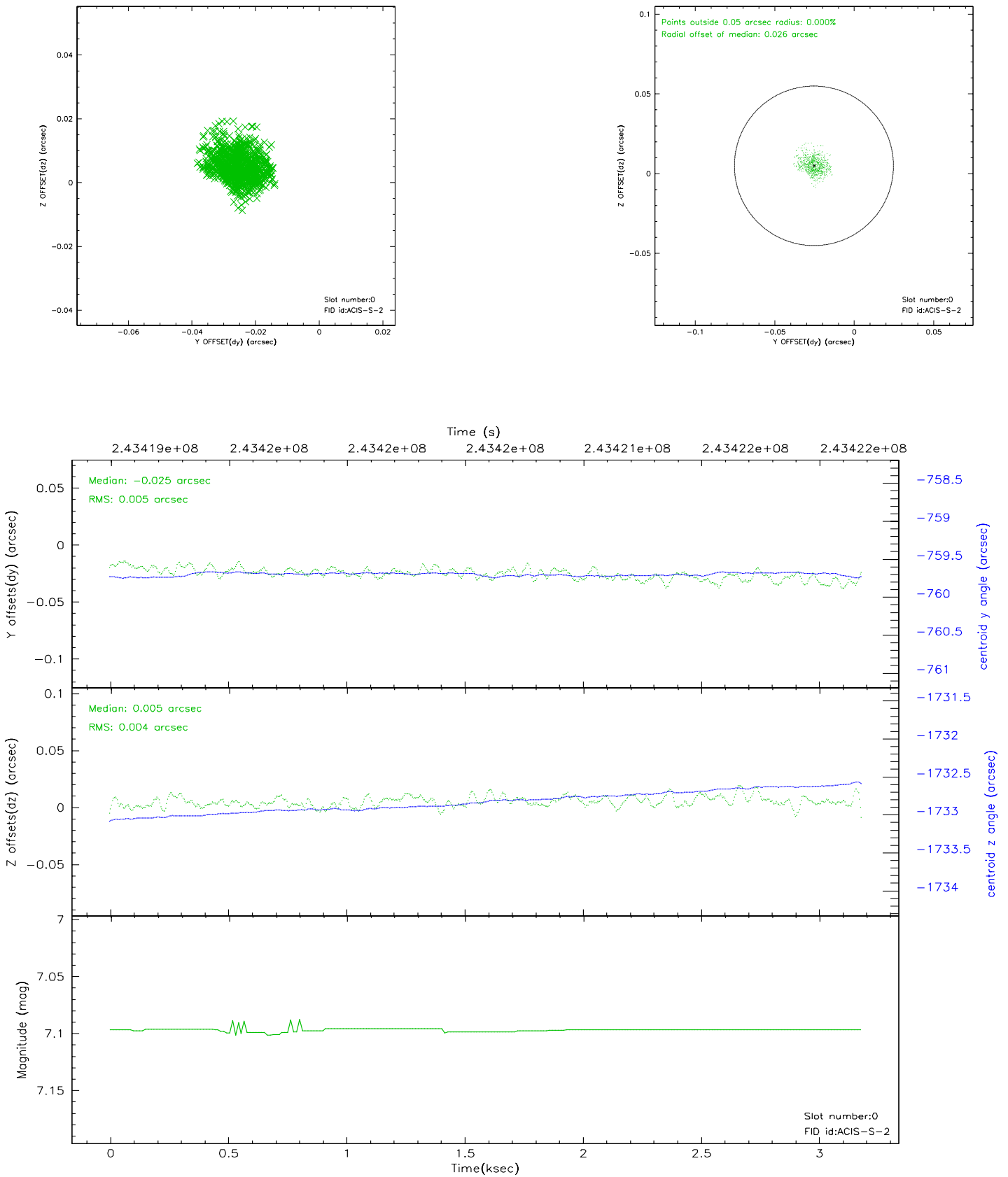


2.4.5 Slot 7

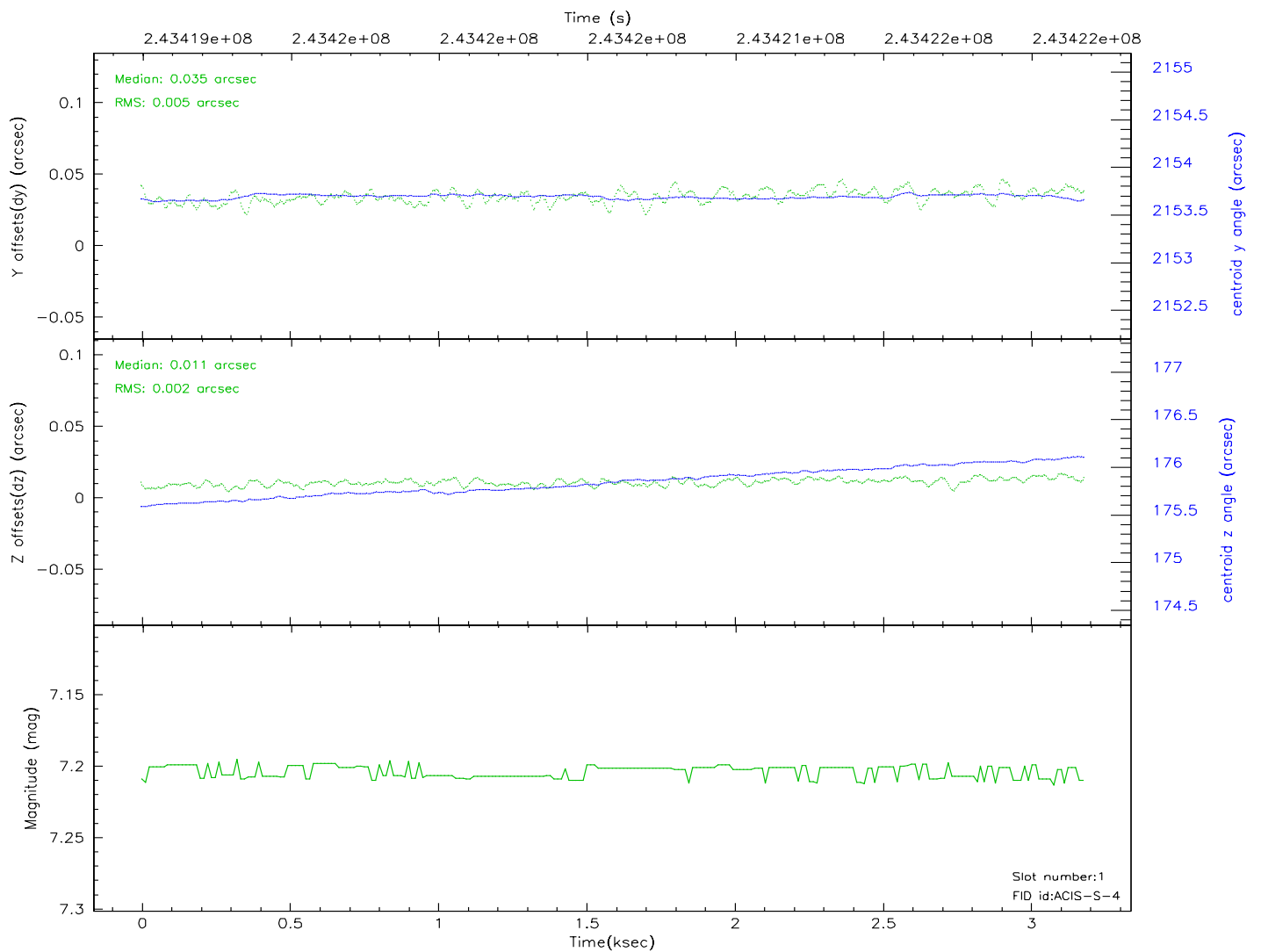
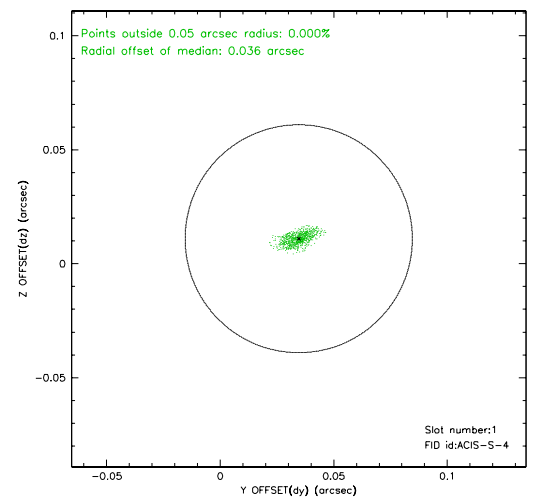
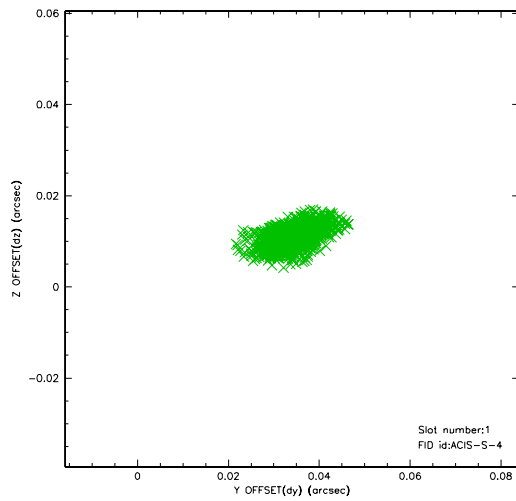


2.5 FID Slots

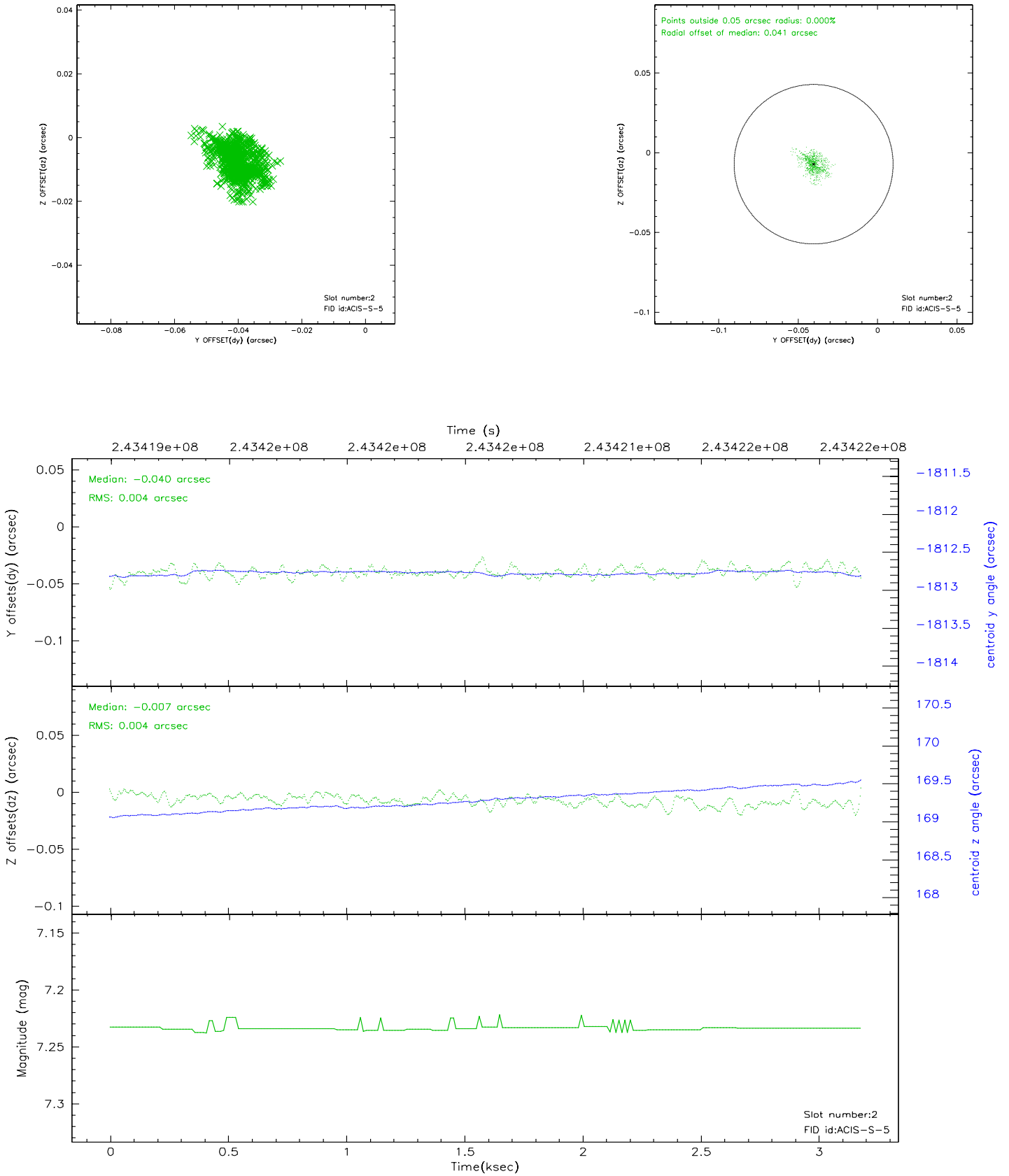
2.5.1 Slot 0



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)	2006.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1828

A.2 Comments

As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the the reported value of the ACIS FP temperature was ~1.3 degrees warmer than the actual temperature. GOs should subtract 1.3 degrees from the reported temperature to determine the true temperature. In addition the FP temperature was not regulating during this period. The FP temperature fluctuated between -121.3 C and -118.8 C during this time. For analysis of line-dominated spectra from the FI CCDs, GOs might notice a systematic gain shift by up to 0.5%, either towards higher/lower energies depending on if the FP temperature was colder/warmer than -119.7 C. Analysis of line-dominated spectra on S3 are mostly unaffected (where mostly unaffected means that the changes are smaller than the current uncertainties in the calibration). Analysis of continuum-dominated spectra on both the FI and BI CCDs are mostly unaffected. Imaging analysis on both the FI and BI CCDs are mostly unaffected.