

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4120 - L2 Version 001
Chandra X-Ray Center

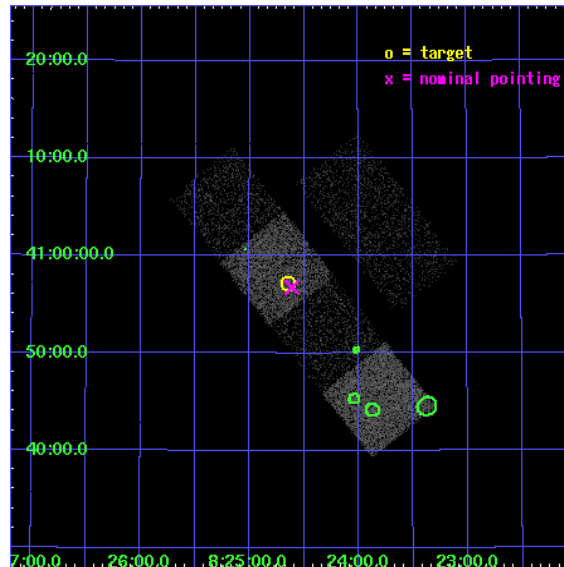
L2 Processing Date : Jul 28 2006

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

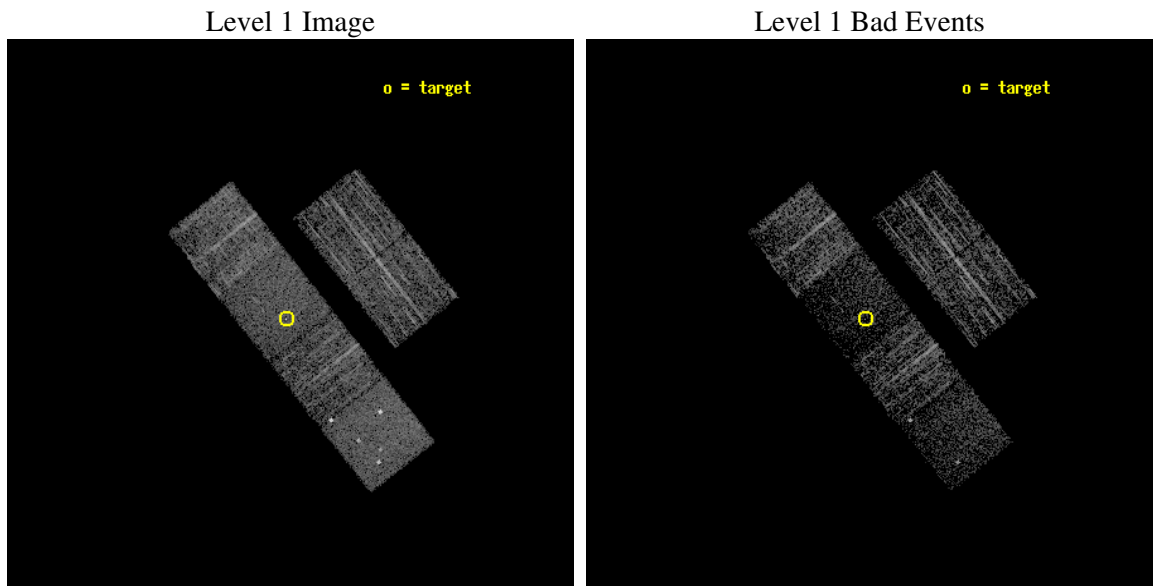
seq_num	700799
obs_id	4120
title	WHAT KIND OF JETS DOES NATURE MAKE? X-RAY CHARACTERIZATION OF THE FIRST FLAT SPECTRUM SAMPLE
observer	Dr. Giovanni Fossati
object	TXS 0821+411
dtcycle	0
cycle	P
ra_targ	126.1625
dec_targ	40.952278
ra_nom	126.15290515867
dec_nom	40.945888843912
roll_nom	231.61675344066
revision	2
ontime	2716.7999898791
livetime	2682.3982325467
ontime2	2716.7999898791
ontime3	2716.7999898791
ontime5	2716.7999898791
ontime6	2716.7999898791
ontime7	2716.7999898791
ontime8	2713.5590096116
l2events	21772



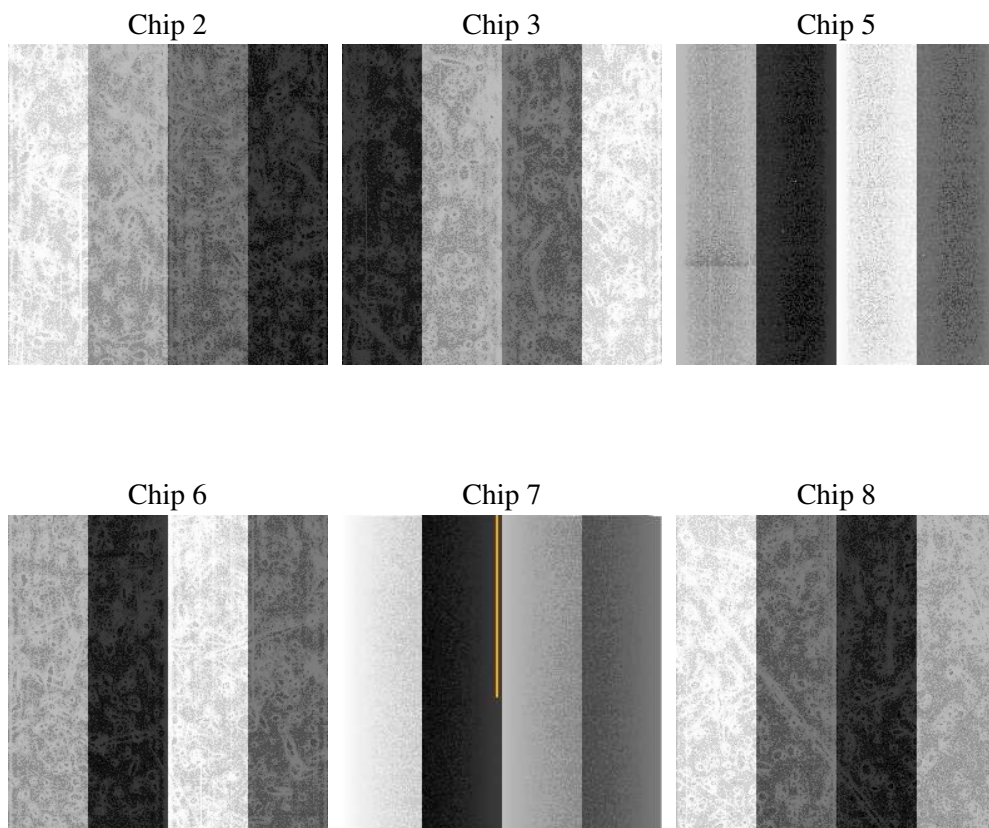
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-28T03:24:12
revision	2

sched_exp_time	2962.000000
ontime	2722.4480145872
ontime2	2722.4480145872
ontime3	2722.4480145872
ontime5	2722.4480145872
ontime6	2722.4480145872
ontime7	2722.4480145872
ontime8	2719.2070343196
l1events	99486

2.1.4 Events

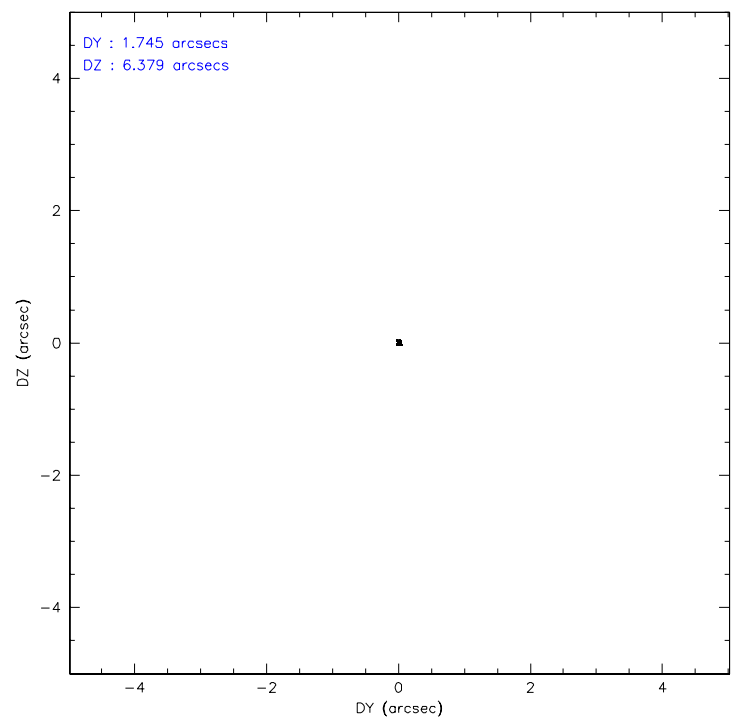
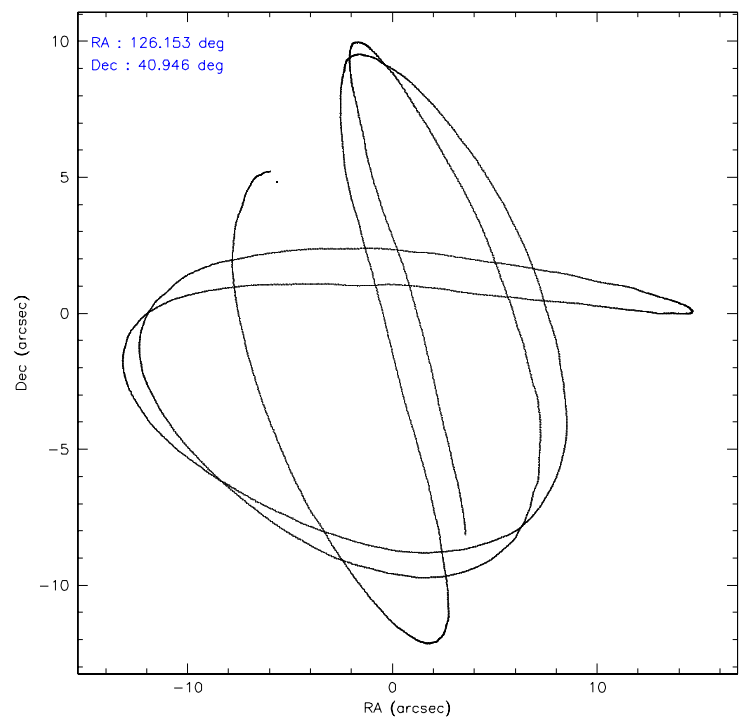
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15450	14869	20032	14451	14849	19835
rejected events	14151	13591	8321	12908	7044	16012
rejected %	91%	91%	41%	89%	47%	80%

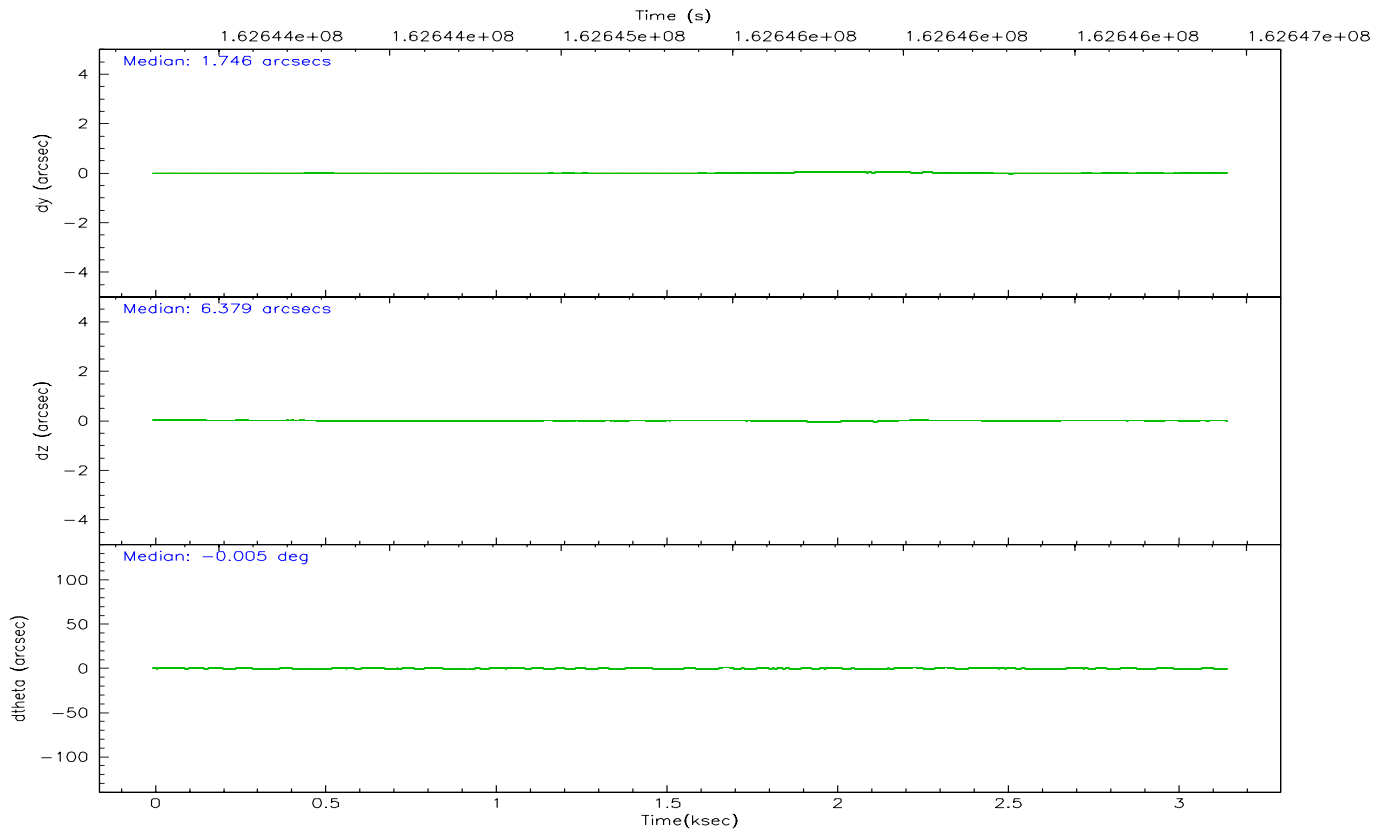
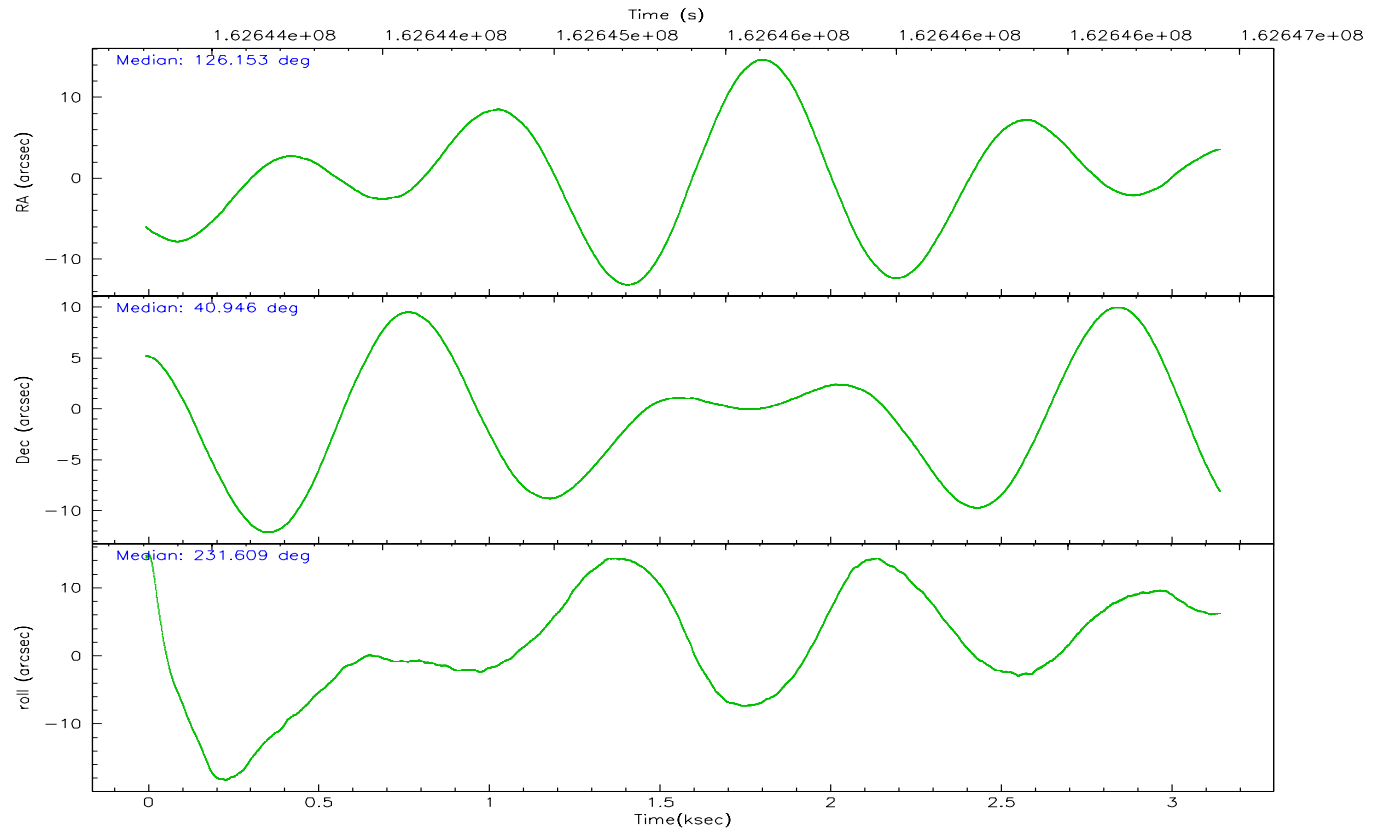
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	483	471	1908	642	768	1117
	3%	3%	9%	4%	5%	5%
grade 1 events	3	11	47	7	12	20
	0%	0%	0%	0%	0%	0%
grade 2 events	287	257	3556	285	1882	843
	1%	1%	17%	1%	12%	4%
grade 3 events	141	159	338	167	551	415
	0%	1%	1%	1%	3%	2%
grade 4 events	157	149	286	165	499	384
	1%	1%	1%	1%	3%	1%
grade 5 events	363	428	1092	462	987	662
	2%	2%	5%	3%	6%	3%
grade 6 events	235	246	5661	292	4126	1069
	1%	1%	28%	2%	27%	5%
grade 7 events	13781	13148	7144	12431	6024	15325
	89%	88%	35%	86%	40%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	126.157692	126.1529051586672	Alternating exposures requested	N	N
Pointing Dec	40.972852	40.94588884391244	Primary exposure time	0.000000	3.2
Pointing Roll	231.456993	231.6167534406614			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
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	162643987.184000	162643477.95927			
Observation start date	2003-02-26T10:52:03	2003-02-26T10:44:37			
Observation end time	162646949.184000	162647872.64695			
Observation end date	2003-02-26T11:41:25	2003-02-26T11:57:52			
Read mode	TIMED	TIMED			

2.3 Aspect



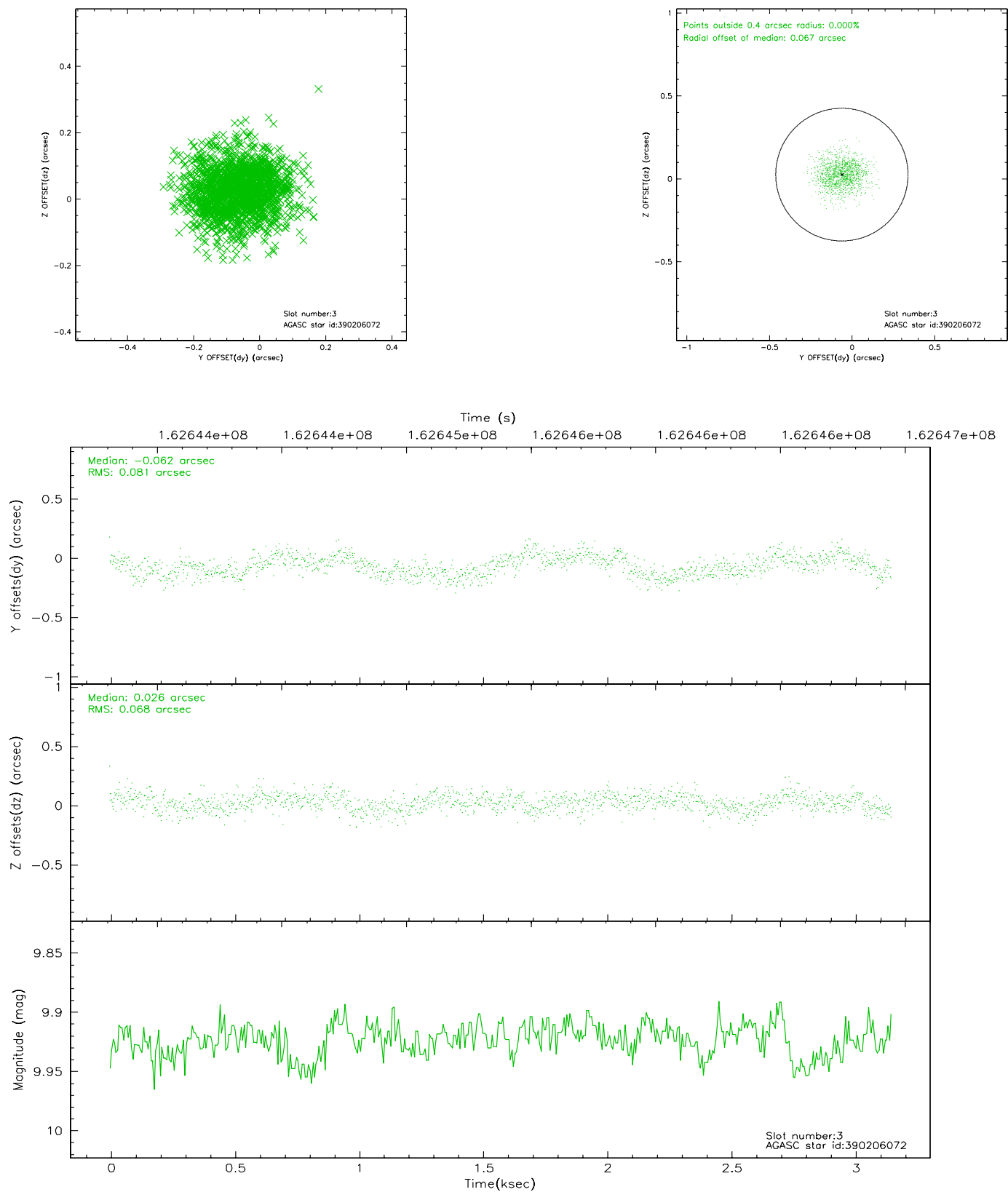


Slot Statistics

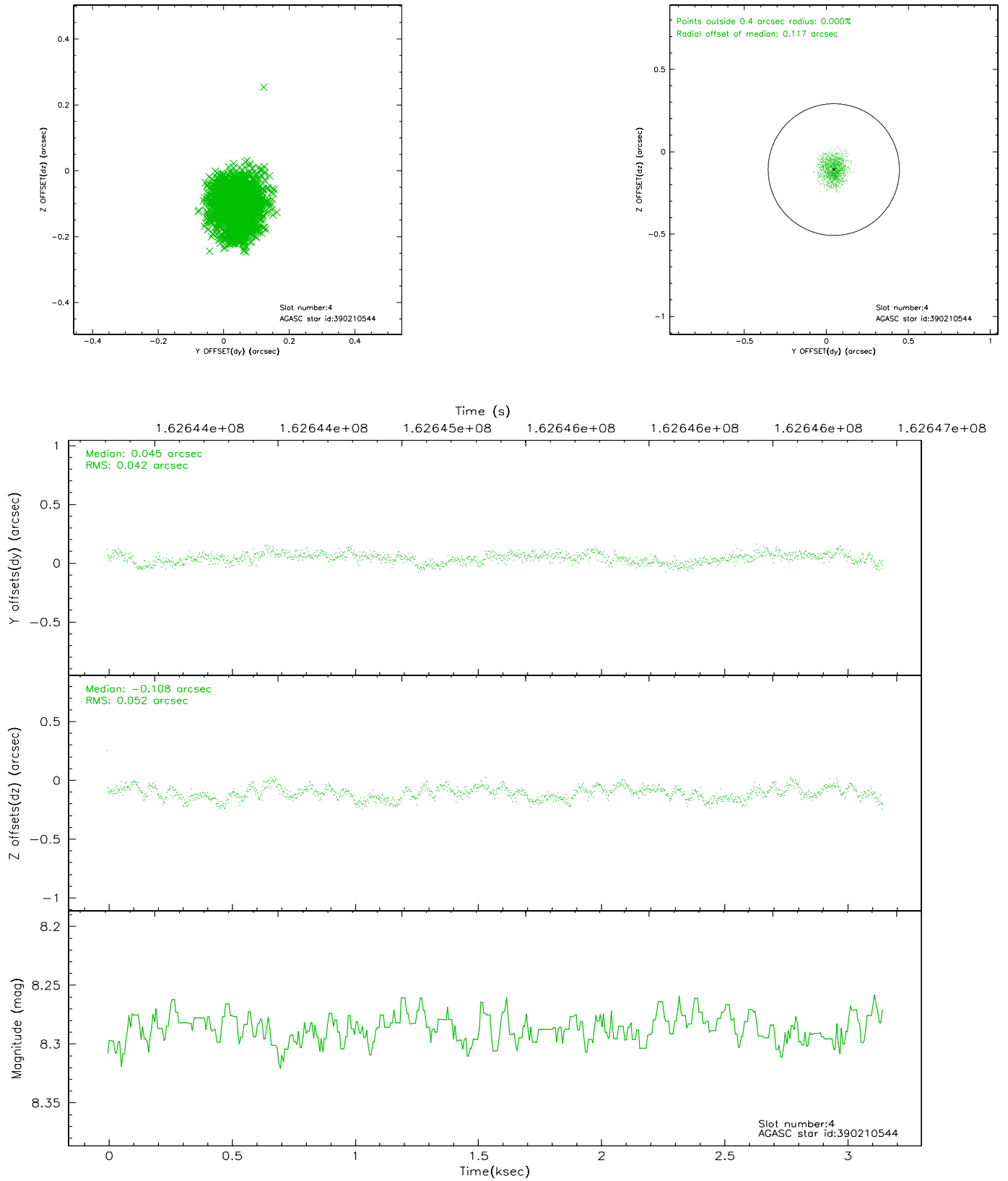
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	768	-0.050	0.010	0.007	0.011	0.000000	0.000000	-754.37	-1727.53
1	FID	ACIS-S-4	7.21	768	-0.018	0.021	0.005	0.010	0.000000	0.000000	2157.99	178.93
2	FID	ACIS-S-5	7.24	768	0.037	-0.023	0.006	0.010	0.000000	0.000000	-1804.56	174.78
3	GUIDE	390206072	9.92	1535	-0.062	0.026	0.114	0.181	126.079424	41.554588	-1506.37	-1469.86
4	GUIDE	390210544	8.29	1536	0.045	-0.108	0.073	0.111	125.909695	40.675004	1259.12	137.26
5	GUIDE	390210672	9.55	1536	0.074	-0.087	0.215	0.288	125.971005	41.444900	-1014.35	-1453.16
6	GUIDE	390215616	7.44	1537	0.008	0.018	0.058	0.100	125.662312	40.443823	2331.98	122.41
7	GUIDE	390341168	9.80	1532	-0.047	0.144	0.099	0.164	126.755299	40.712814	-286.79	1855.74

2.4 Star Slots

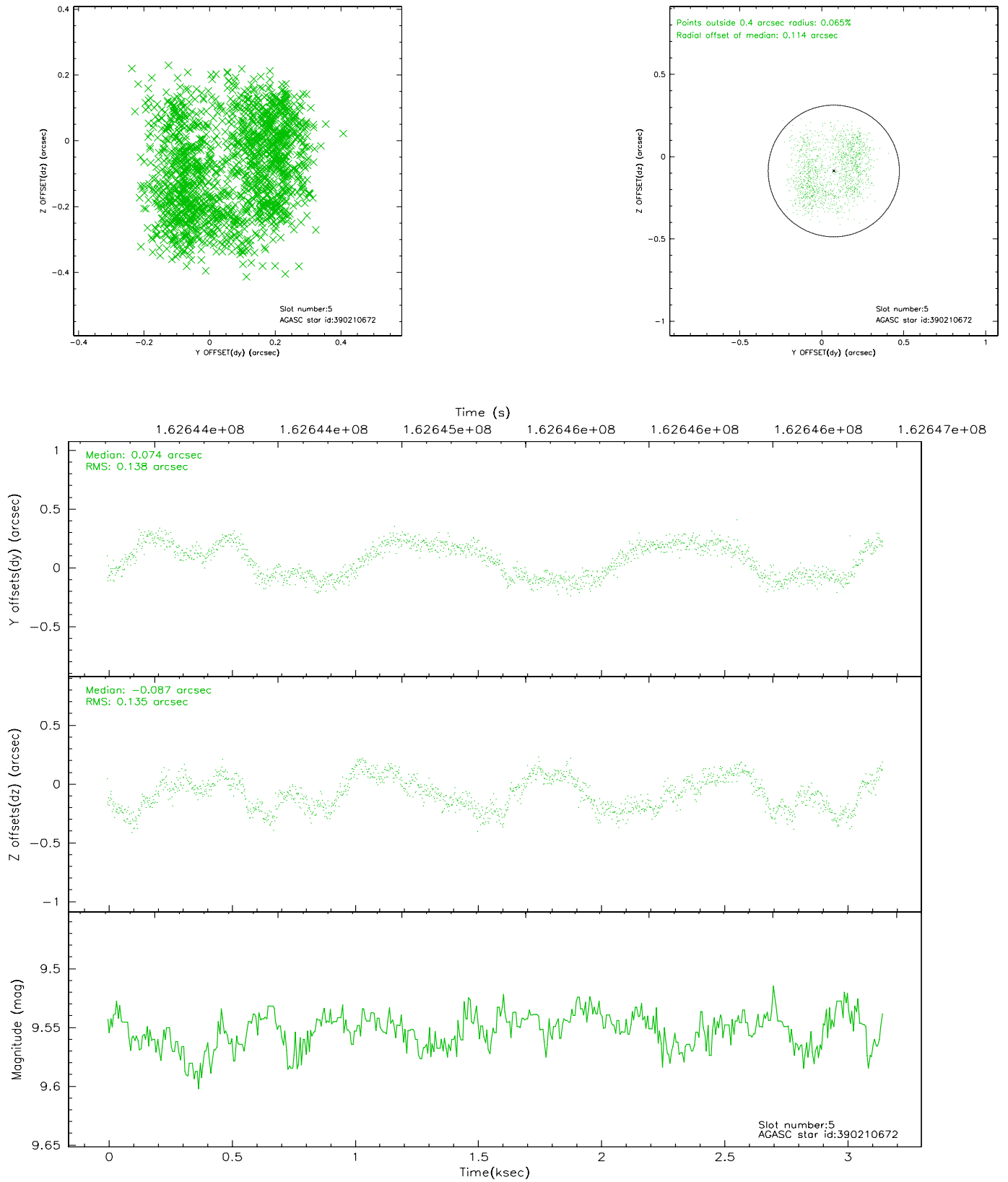
2.4.1 Slot 3



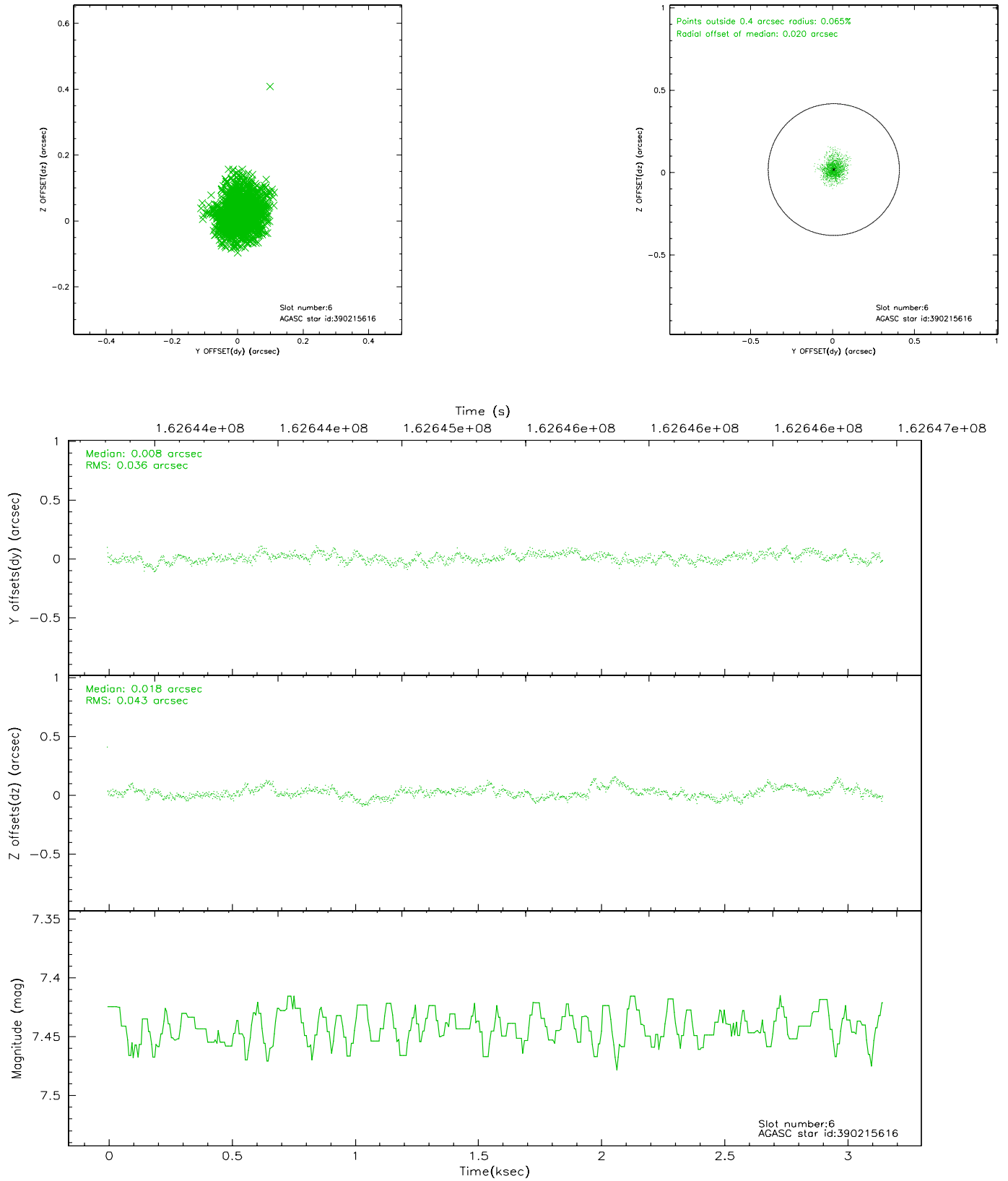
2.4.2 Slot 4



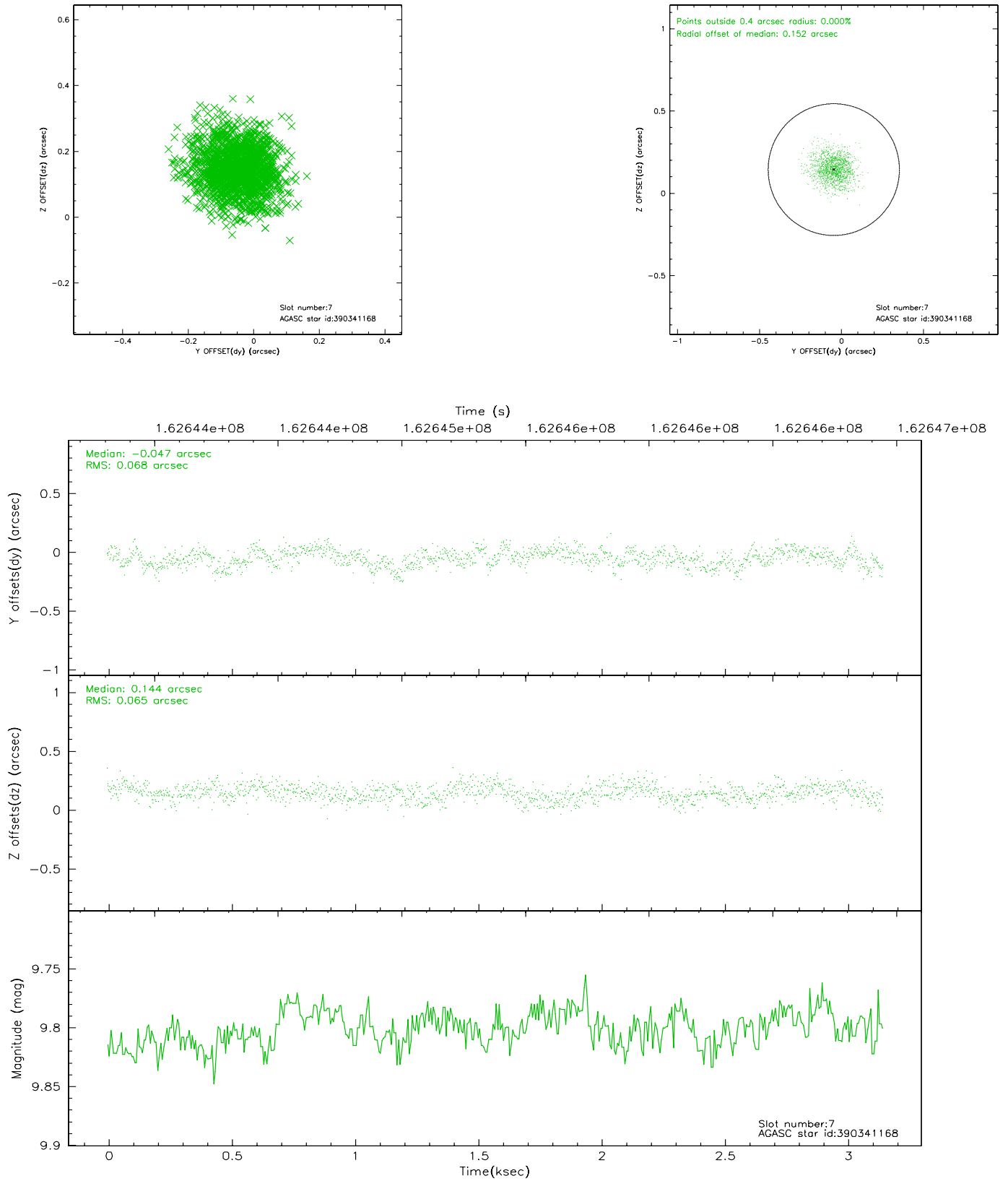
2.4.3 Slot 5



2.4.4 Slot 6

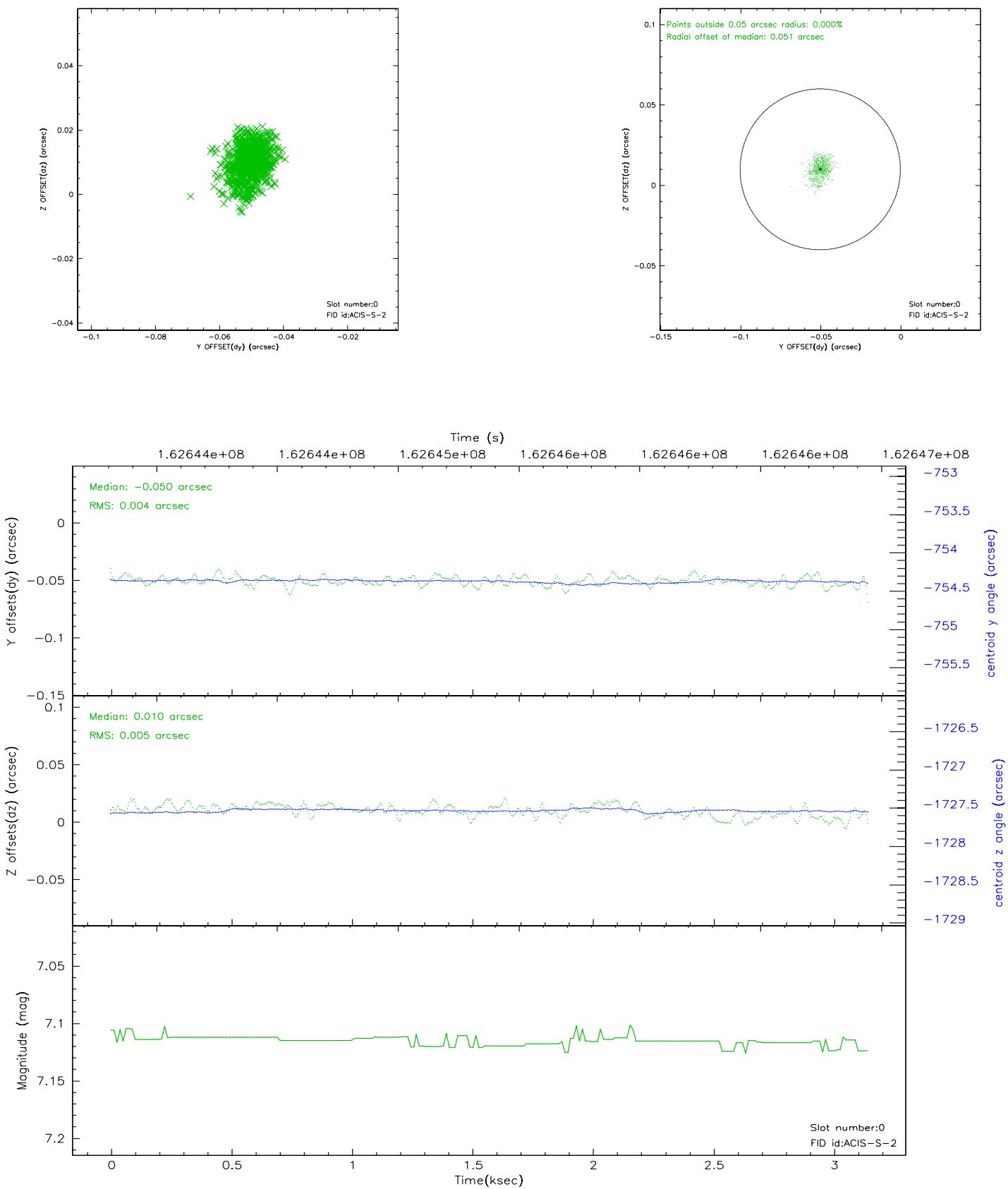


2.4.5 Slot 7

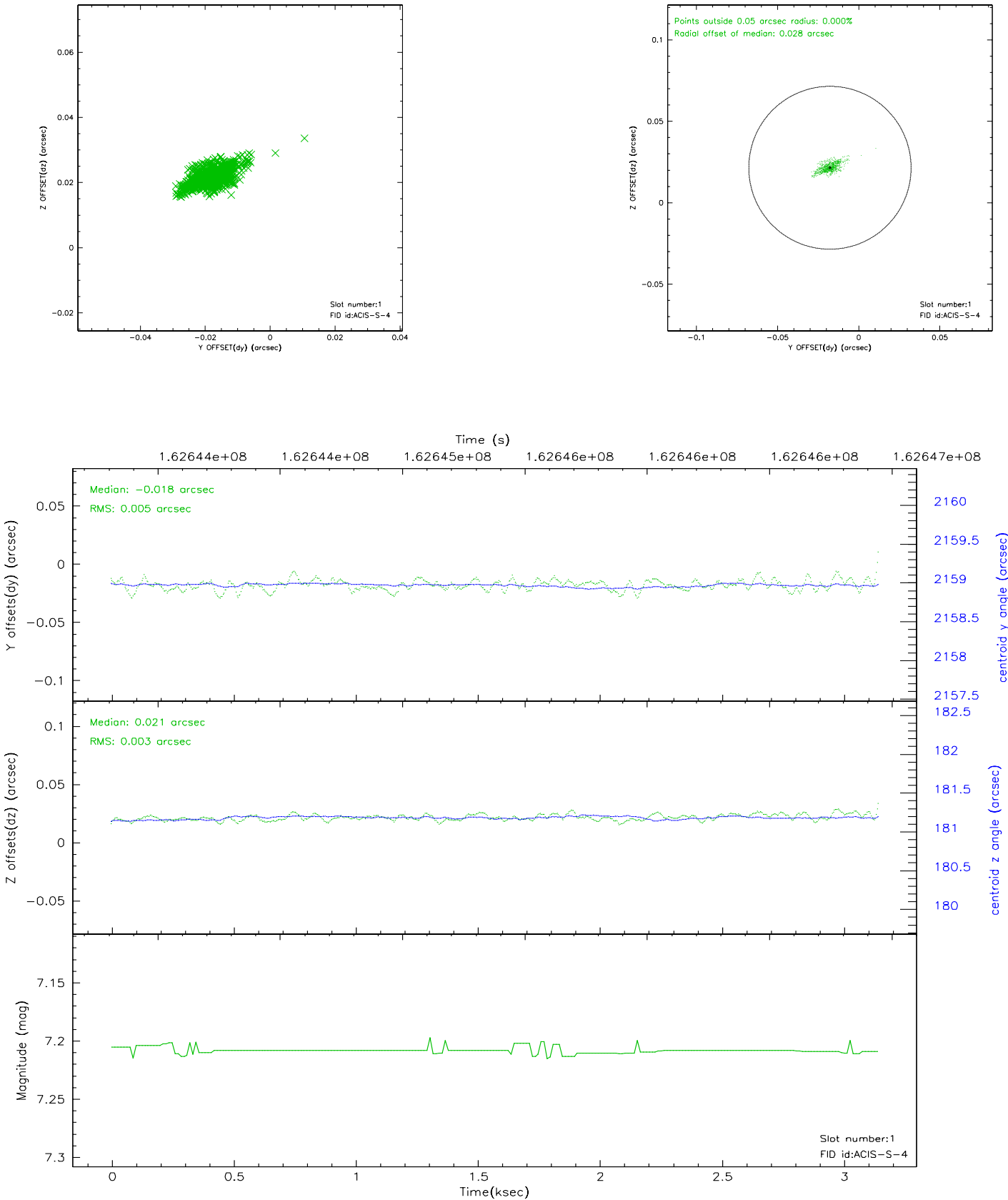


2.5 FID Slots

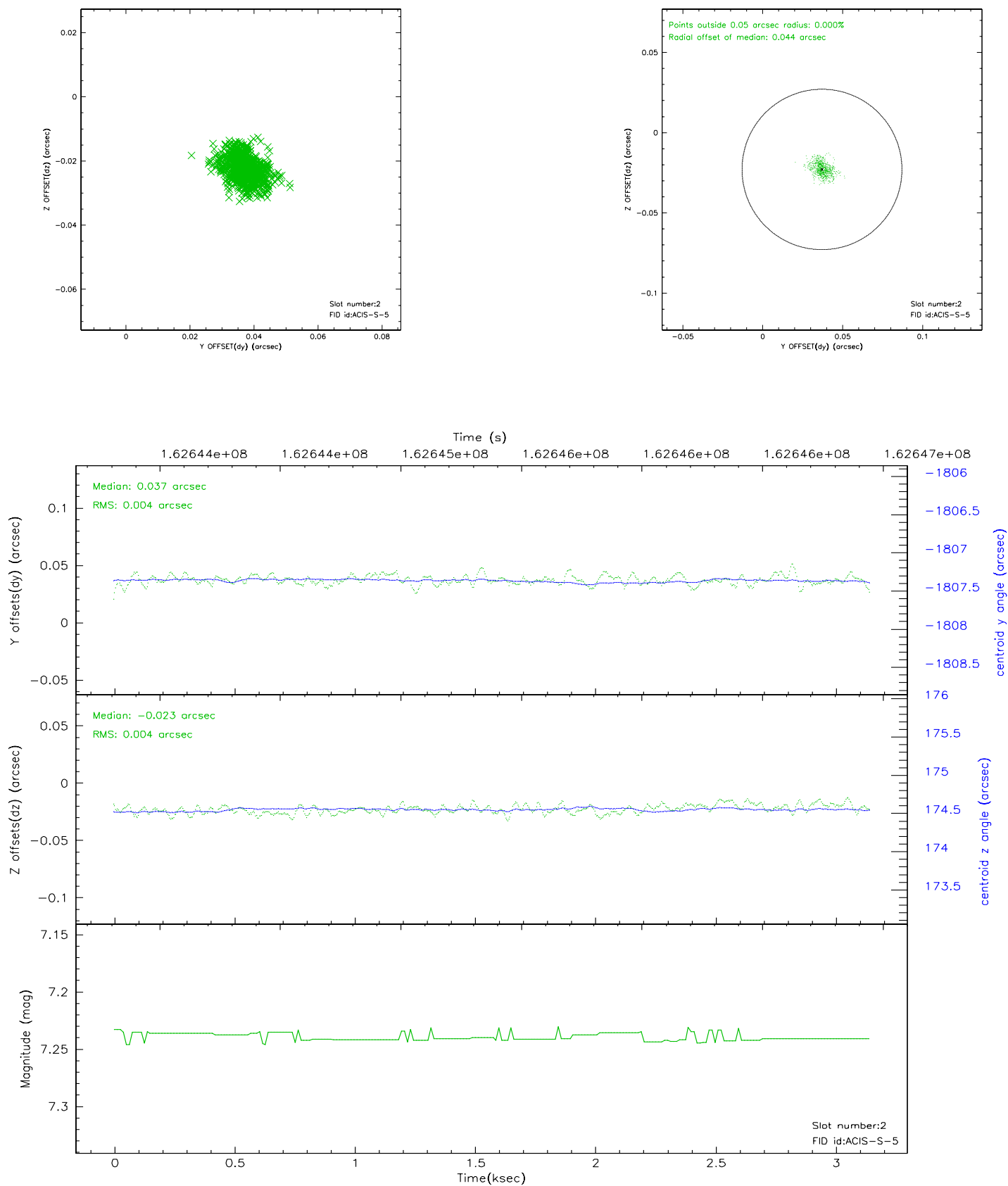
2.5.1 Slot 0



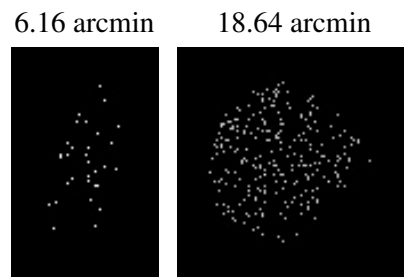
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.72

A.2 Comments