

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 728 - L2 Version 001
Chandra X-Ray Center

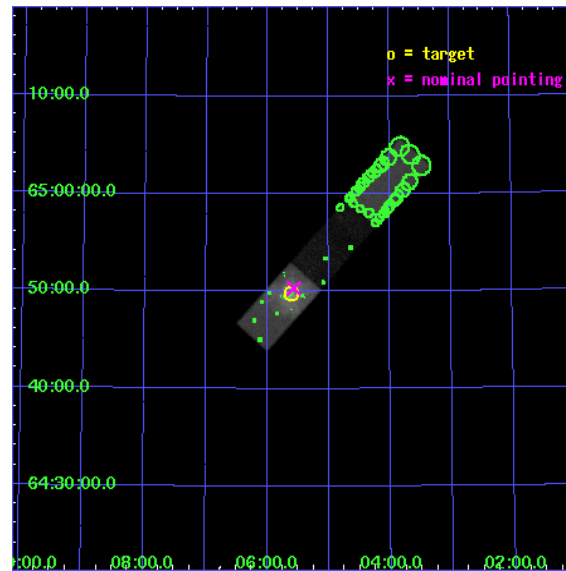
L2 Processing Date : Jun 6 2007

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

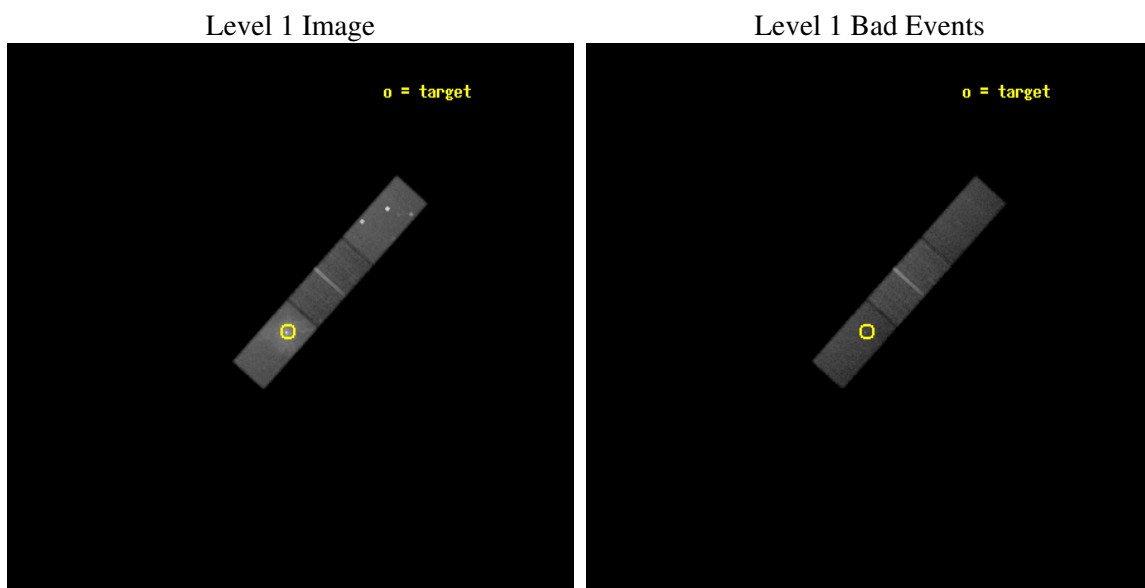
seq_num	500024
obs_id	728
title	GETTING TO THE HEART OF 3C 58
observer	Dr. Patrick Slane
object	3C 58
dtcycle	0
cycle	P
ra_targ	31.404167
dec_targ	64.83
ra_nom	31.392066423435
dec_nom	64.838447894452
roll_nom	131.7561687464
revision	2
ontime	51231.999809146
livetime	49950.762744743
ontime5	51231.999809146
ontime6	51231.999809146
ontime7	51231.999809146
l2events	320445



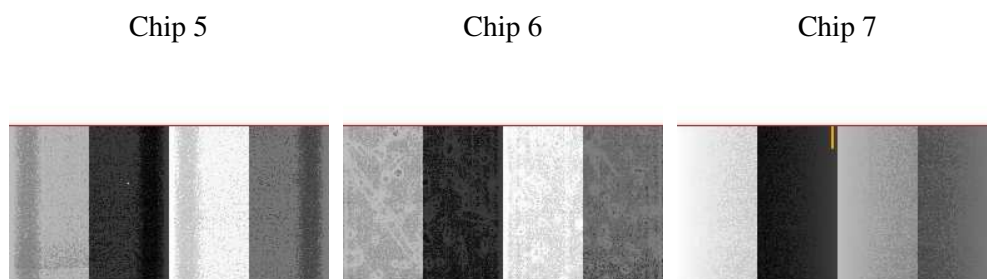
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-06T19:44:49
revision	2

sched_exp_time	51000.000000
ontime	51231.999809146
ontime5	51231.999809146
ontime6	51231.999809146
ontime7	51231.999809146
l1events	759447

2.1.4 Events

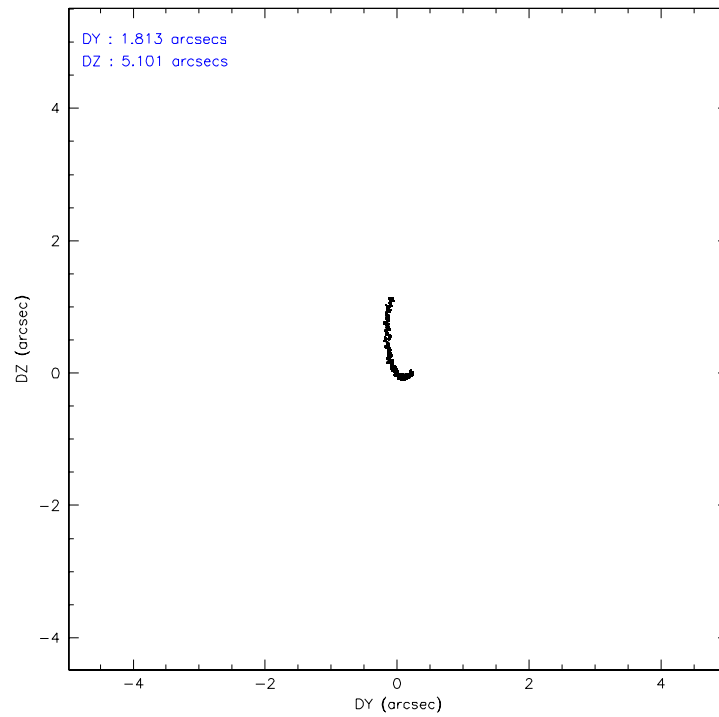
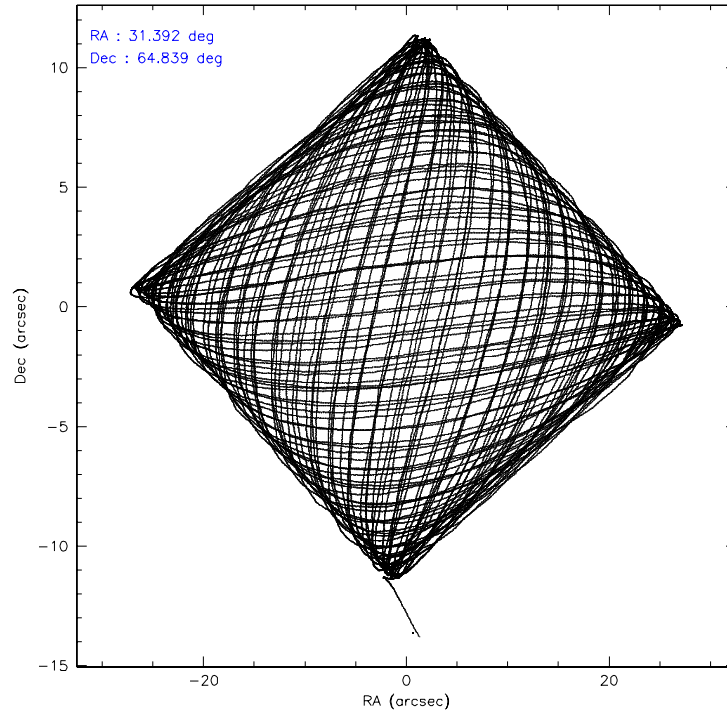
	ccd 5	ccd 6	ccd 7
level 1 events	266405	178582	314460
rejected events	115542	158090	112158
rejected %	43%	88%	35%

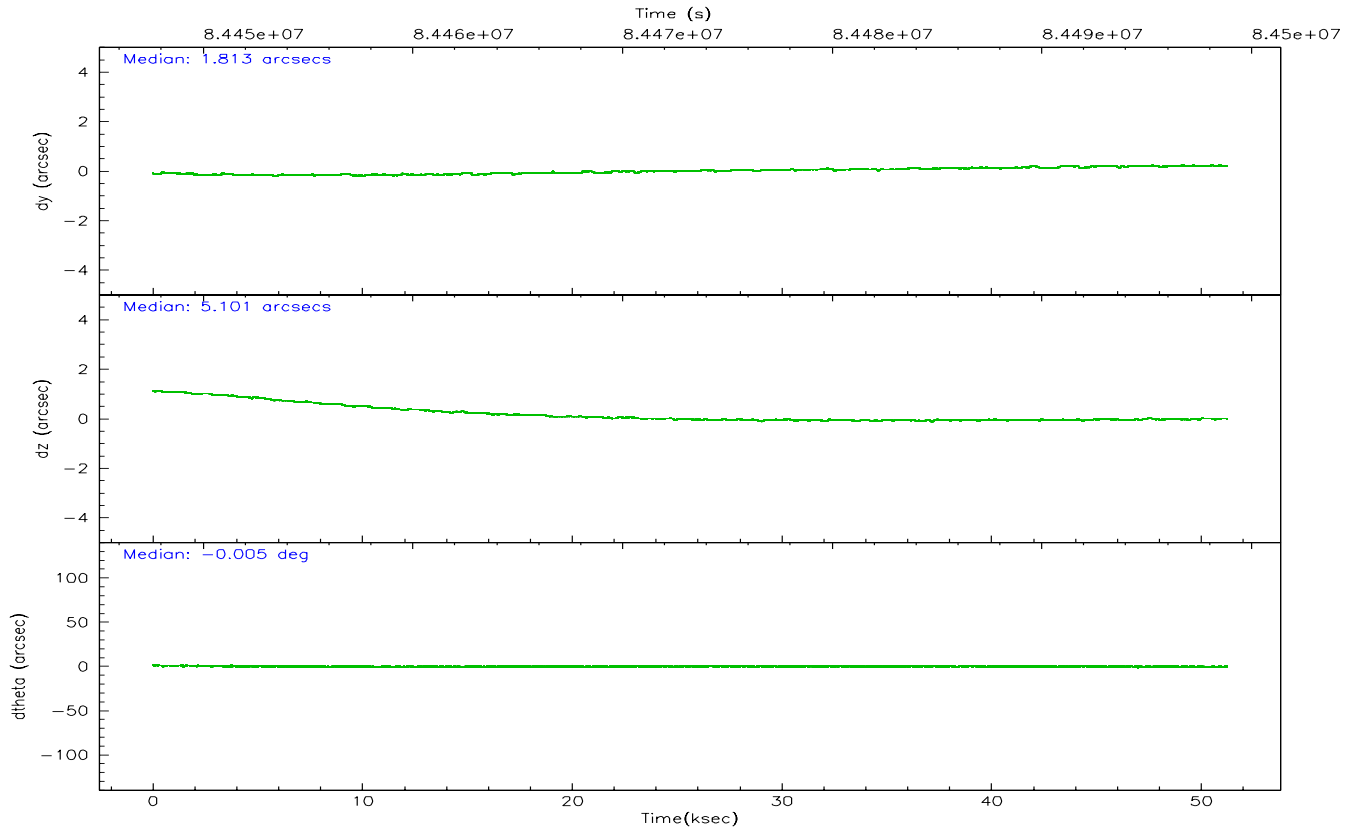
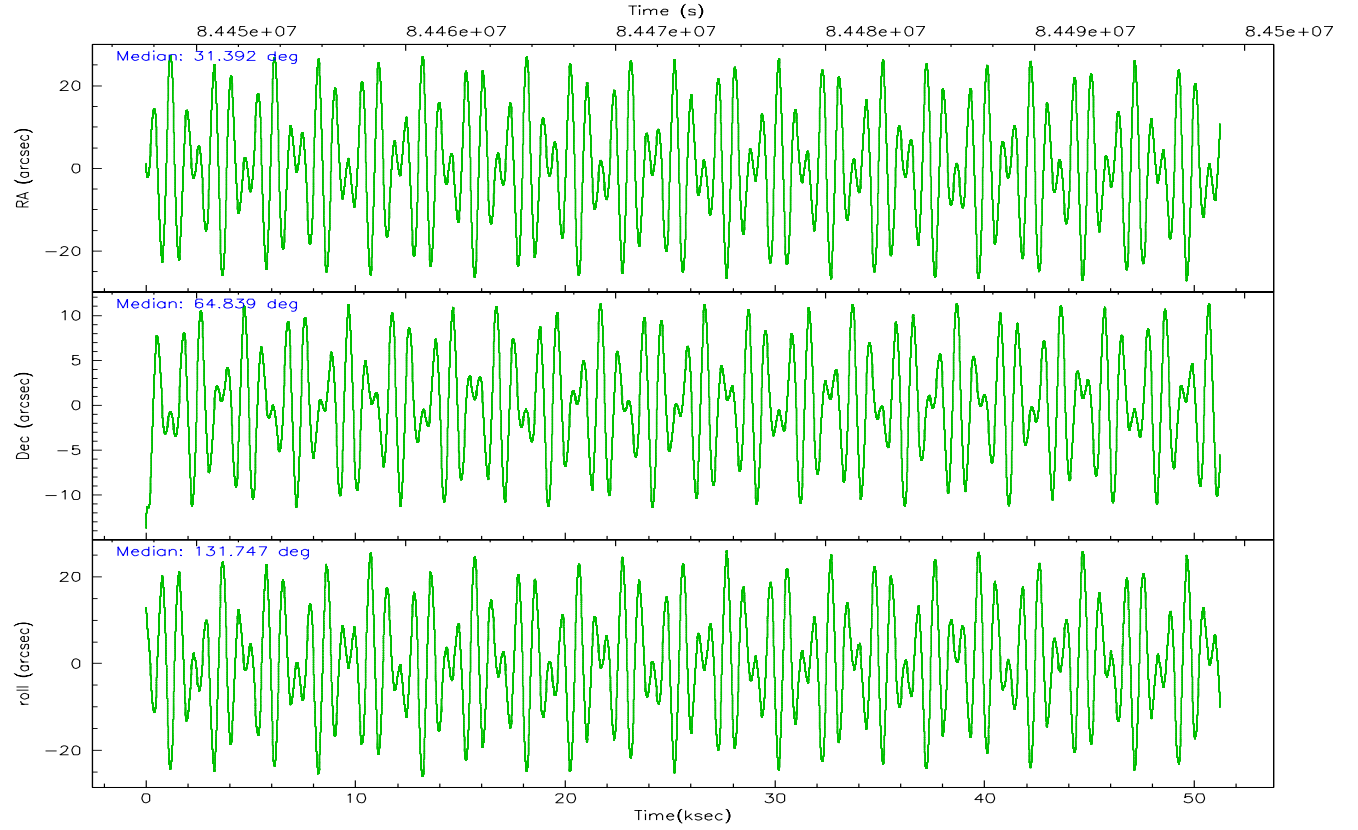
	ccd 5	ccd 6	ccd 7
grade 0 events	54712	8494	40763
	20%	4%	12%
grade 1 events	346	55	235
	0%	0%	0%
grade 2 events	30805	3582	47517
	11%	2%	15%
grade 3 events	6495	2511	22410
	2%	1%	7%
grade 4 events	6242	2399	21635
	2%	1%	6%
grade 5 events	17769	6449	19409
	6%	3%	6%
grade 6 events	53657	3653	70841
	20%	2%	22%
grade 7 events	96379	151439	91650
	36%	84%	29%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-567	ACIS-567	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	31.453301	31.39206642343522	Subarray requested	CUSTOM	1/2
Pointing Dec	64.830050	64.83844789445202	Subarray start row	257	257
Pointing Roll	131.544114	131.7561687464024	Subarray row count	512	512
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.6
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	84447844.184000	84446861.36261			
Observation start date	2000-09-04T09:43:00	2000-09-04T09:27:41			
Observation end time	84498844.184000	84499321.37707999			
Observation end date	2000-09-04T23:53:00	2000-09-05T00:02:01			
Read mode	TIMED	TIMED			

2.3 Aspect



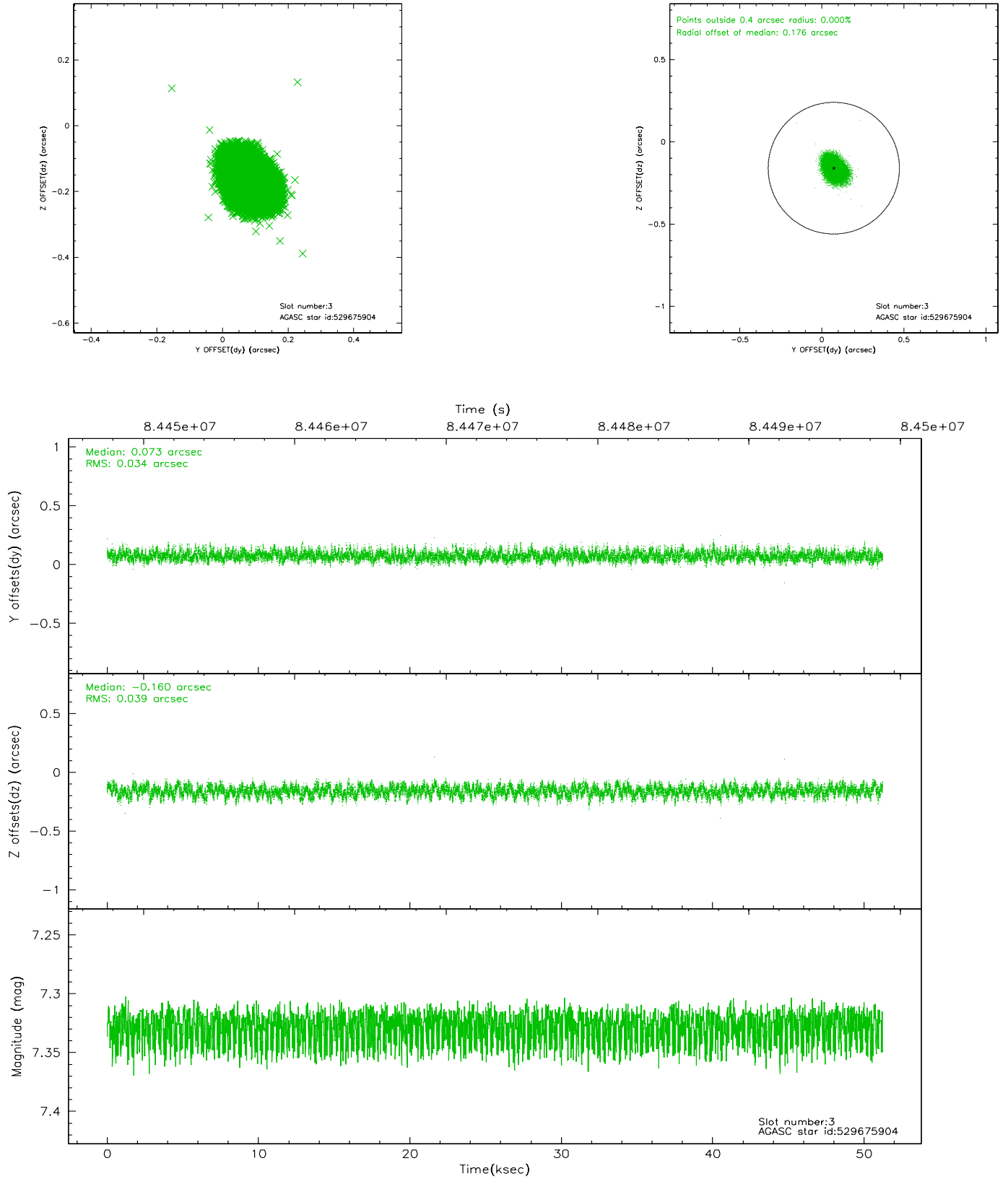


Slot Statistics

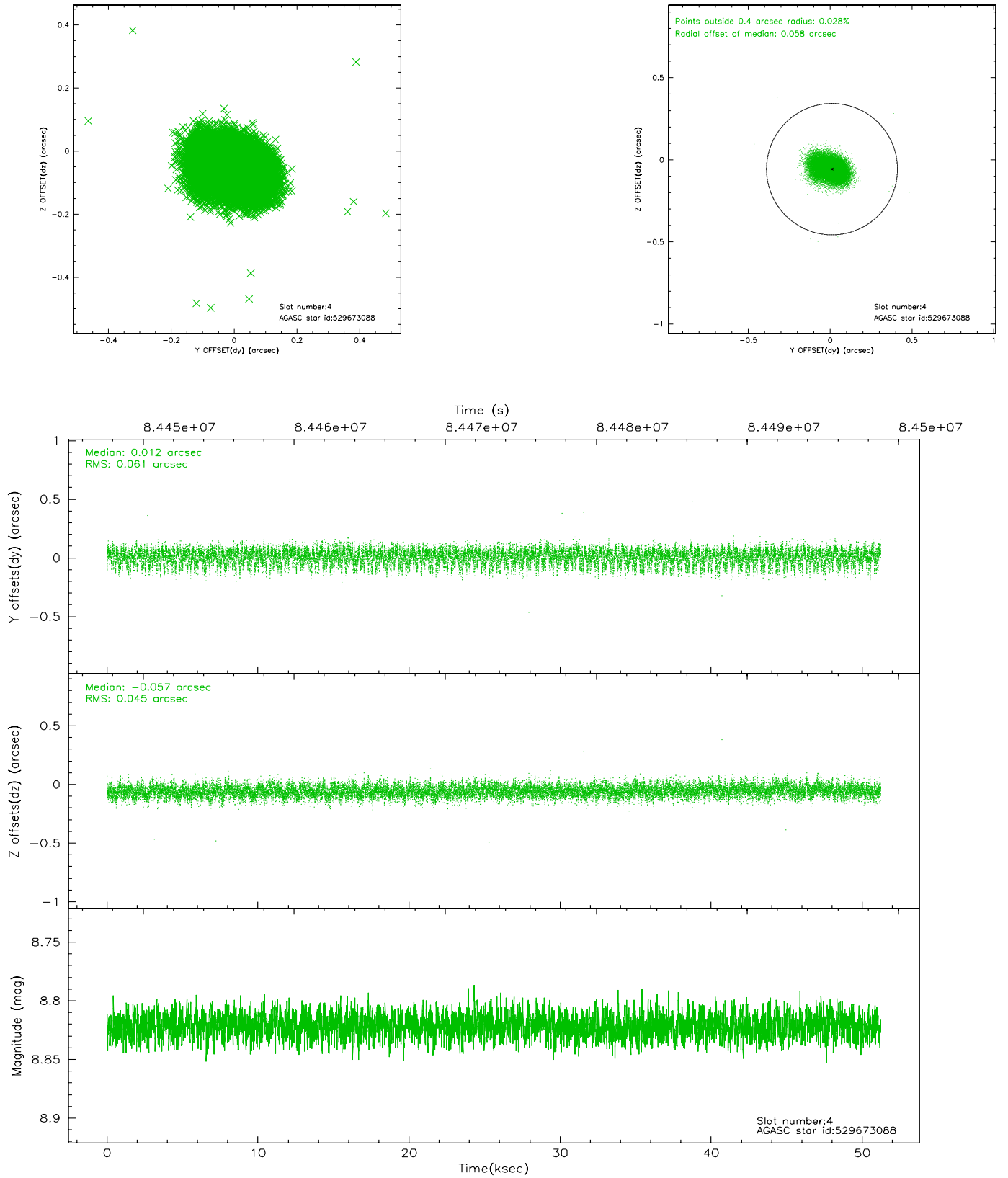
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12496	-0.025	0.025	0.008	0.013	0.000000	0.000000	-754.44	-1726.40
1	FID	ACIS-S-4	7.21	12496	-0.054	0.005	0.007	0.015	0.000000	0.000000	2158.80	182.12
2	FID	ACIS-S-5	7.24	12496	0.048	-0.021	0.009	0.016	0.000000	0.000000	-1807.25	175.70
3	GUIDE	529675904	7.33	24991	0.073	-0.160	0.056	0.090	31.256077	64.385587	-994.09	1290.43
4	GUIDE	529673088	8.82	24979	0.012	-0.057	0.080	0.133	30.560791	64.638256	402.59	1481.71
5	GUIDE	529667344	8.69	24985	-0.158	0.195	0.075	0.122	31.882421	65.482125	1333.37	-2037.48
6	GUIDE	529663800	9.32	24975	-0.030	-0.061	0.082	0.134	30.492887	64.812823	937.28	1135.16
7	GUIDE	529665672	9.39	24911	0.107	0.085	0.097	0.151	32.707839	64.829181	-1261.85	-1448.08

2.4 Star Slots

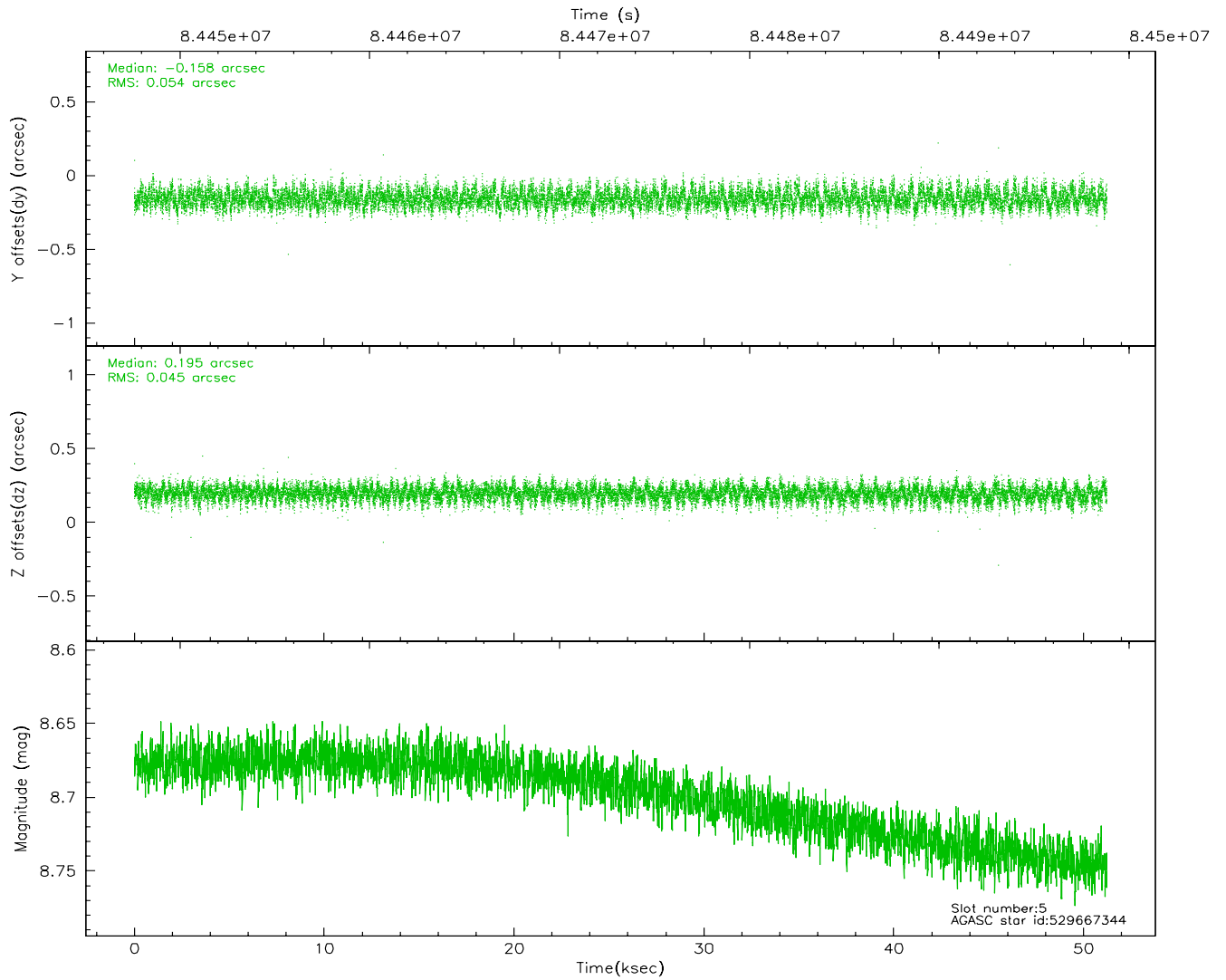
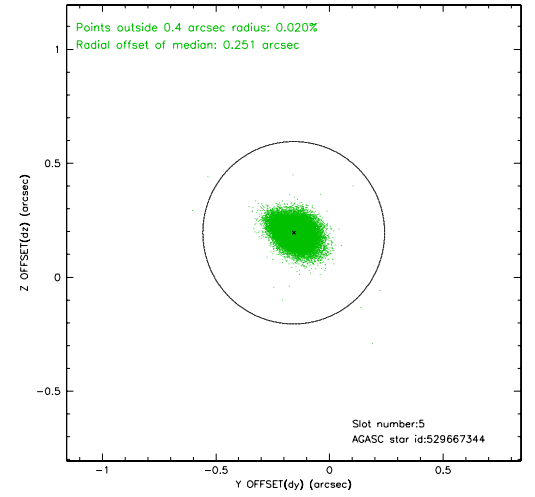
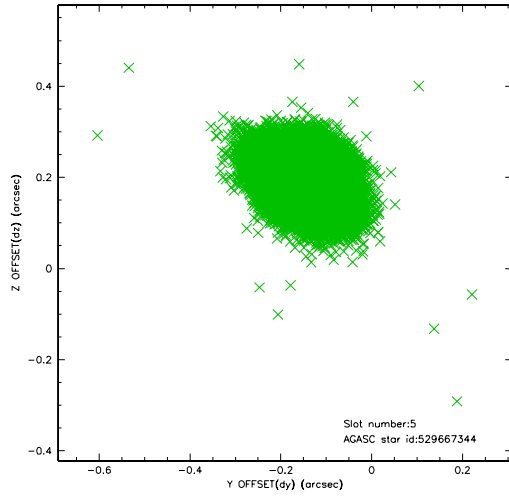
2.4.1 Slot 3



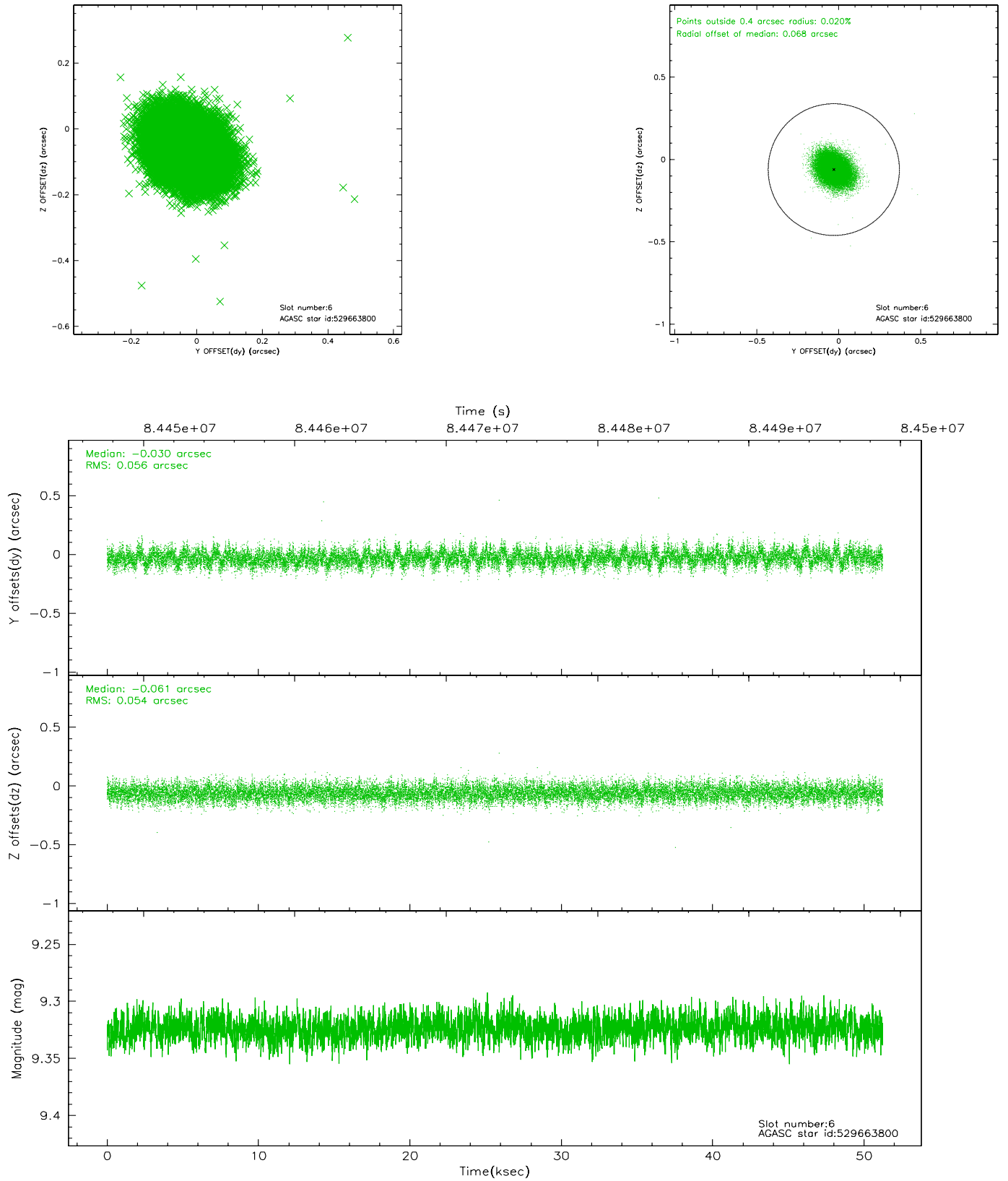
2.4.2 Slot 4



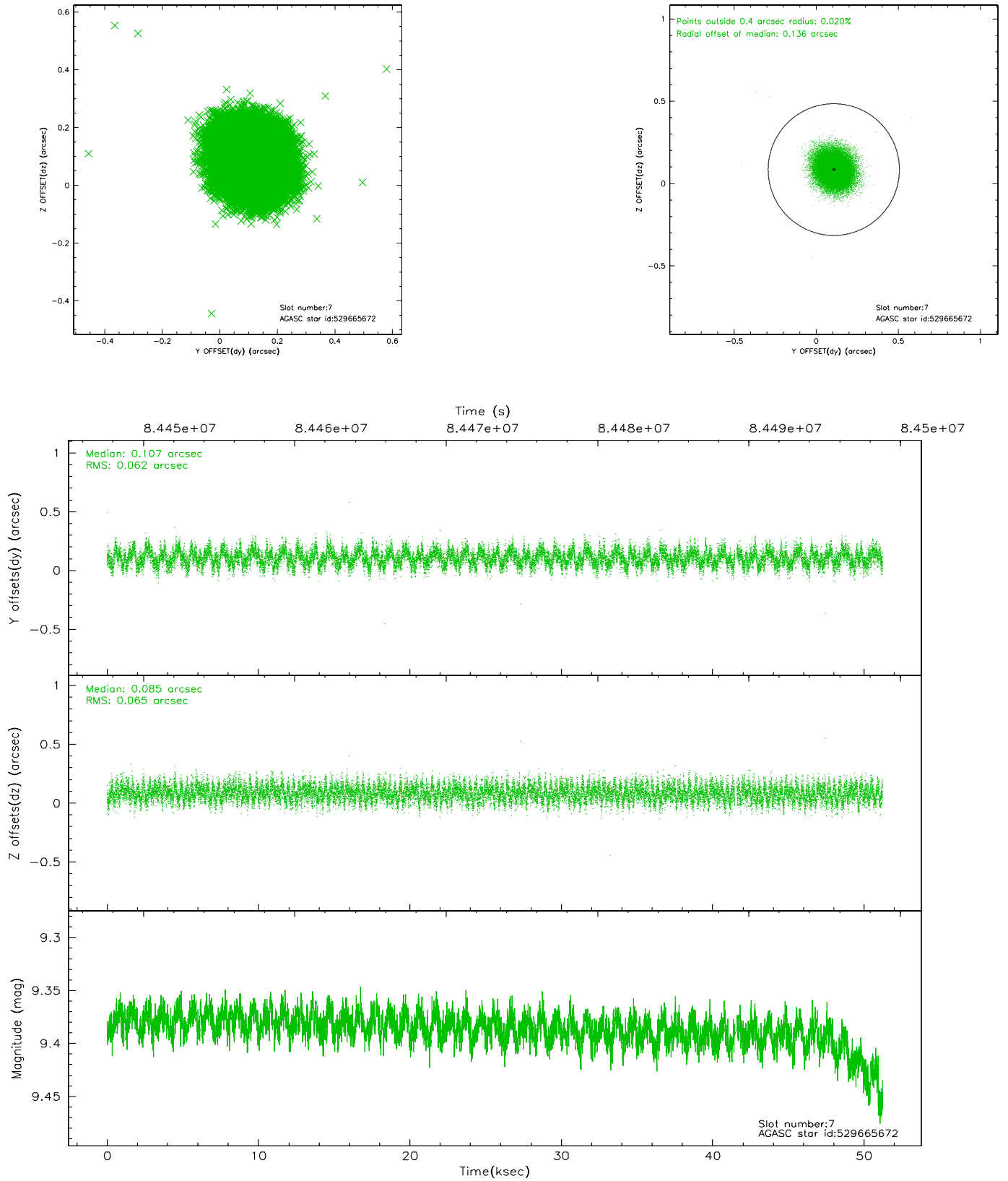
2.4.3 Slot 5



2.4.4 Slot 6

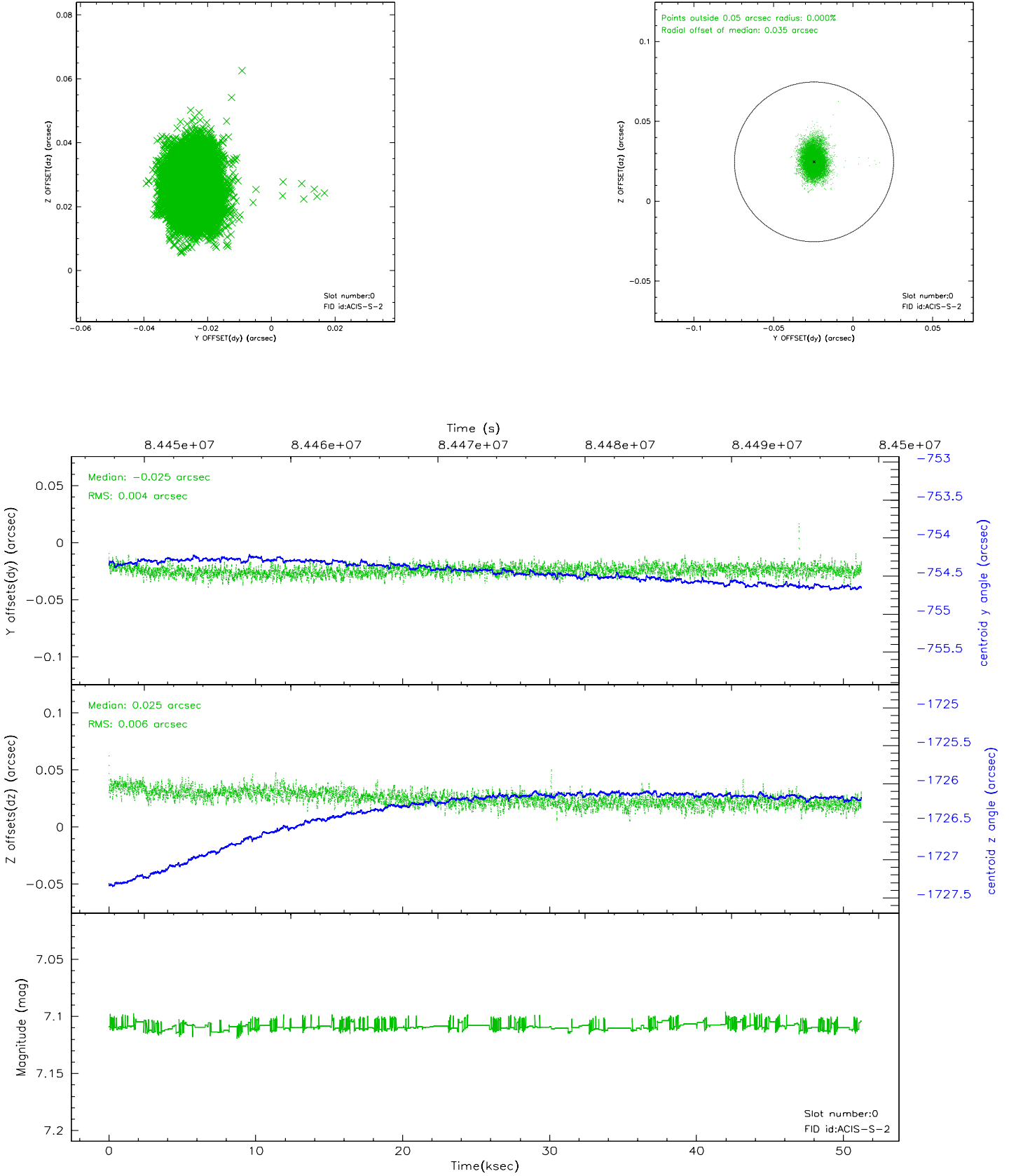


2.4.5 Slot 7

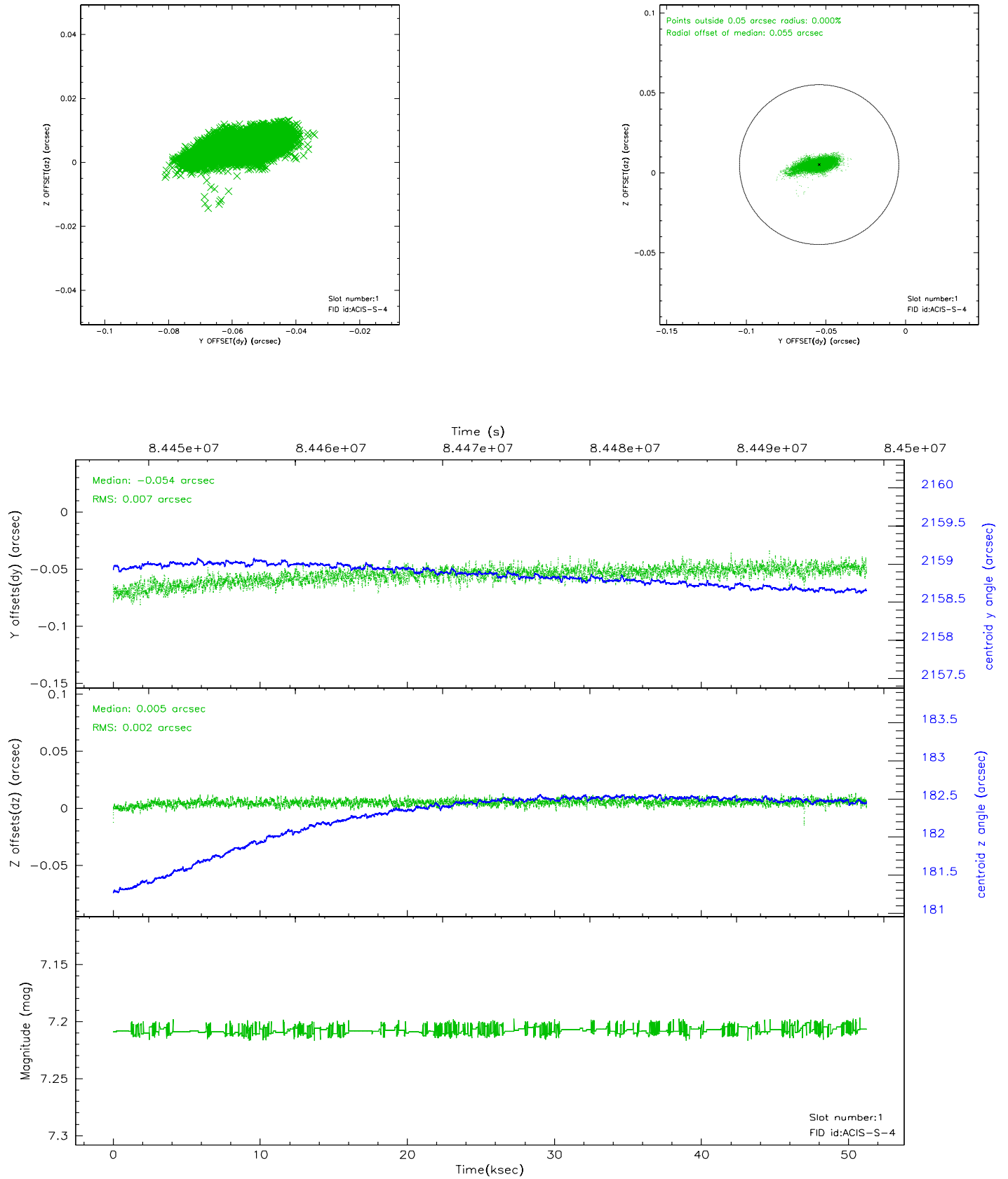


2.5 FID Slots

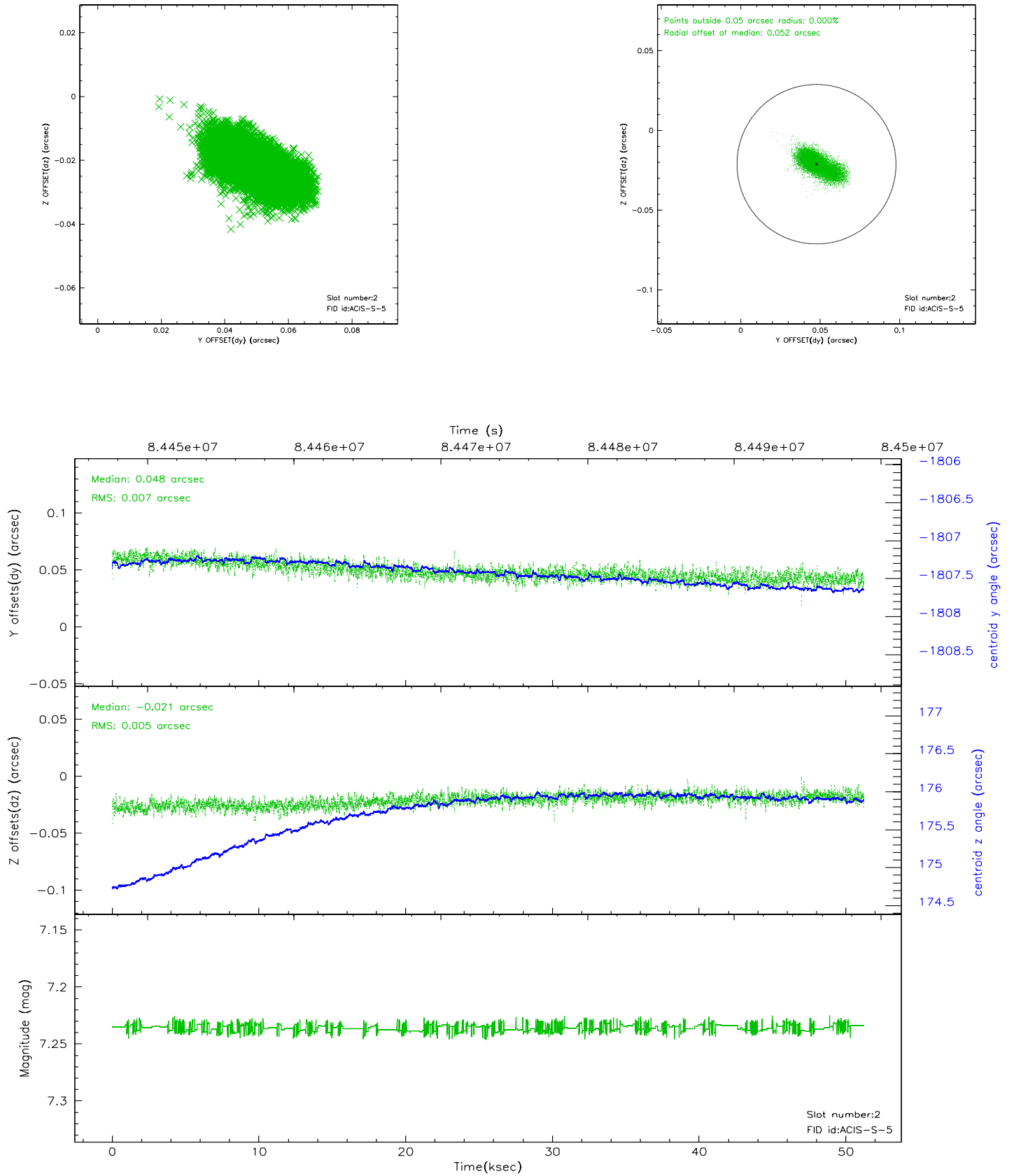
2.5.1 Slot 0



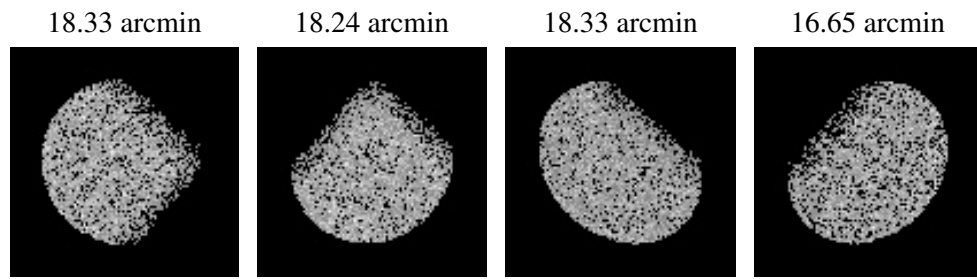
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.231

A.2 Comments