

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5842 - L2 Version 002
Chandra X-Ray Center

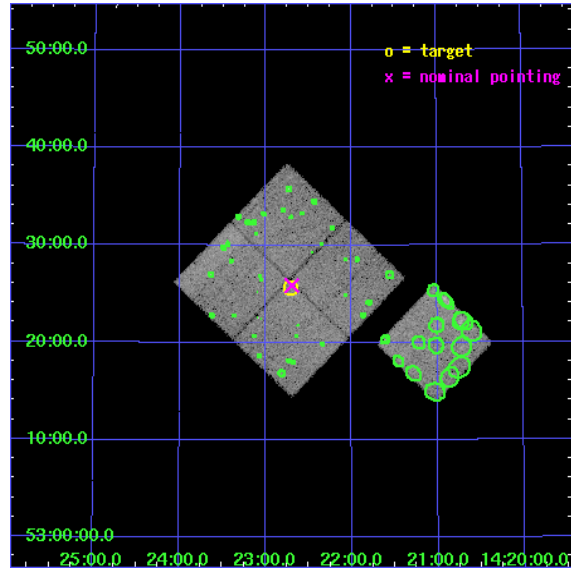
L2 Processing Date: Feb 27 2006

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

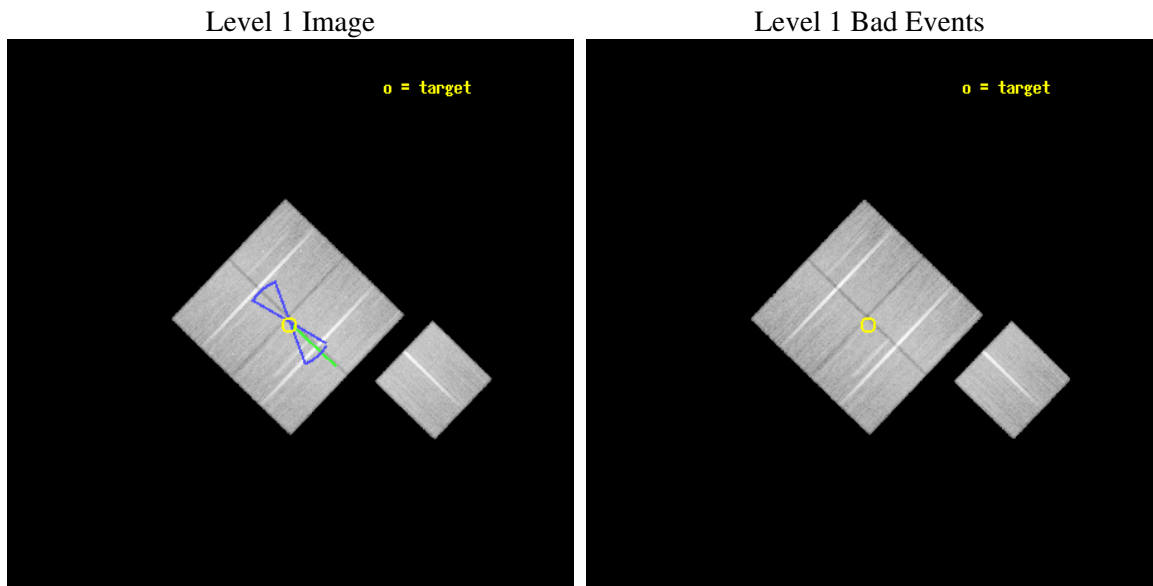
seq_num	900348
obs_id	5842
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Dr Kirpal Nandra
object	EGS-1
dtcycle	0
cycle	P
ra_targ	215.676254
dec_targ	53.427086
ra_nom	215.67347934764
dec_nom	53.431413349901
roll_nom	133.91505950739
revision	2
ontime	47039.236087978
livetime	46424.633838707
ontime0	47051.799909532
ontime1	47042.376958877
ontime2	47051.799909532
ontime3	47039.236087978
ontime6	47051.799909532
l2events	123946



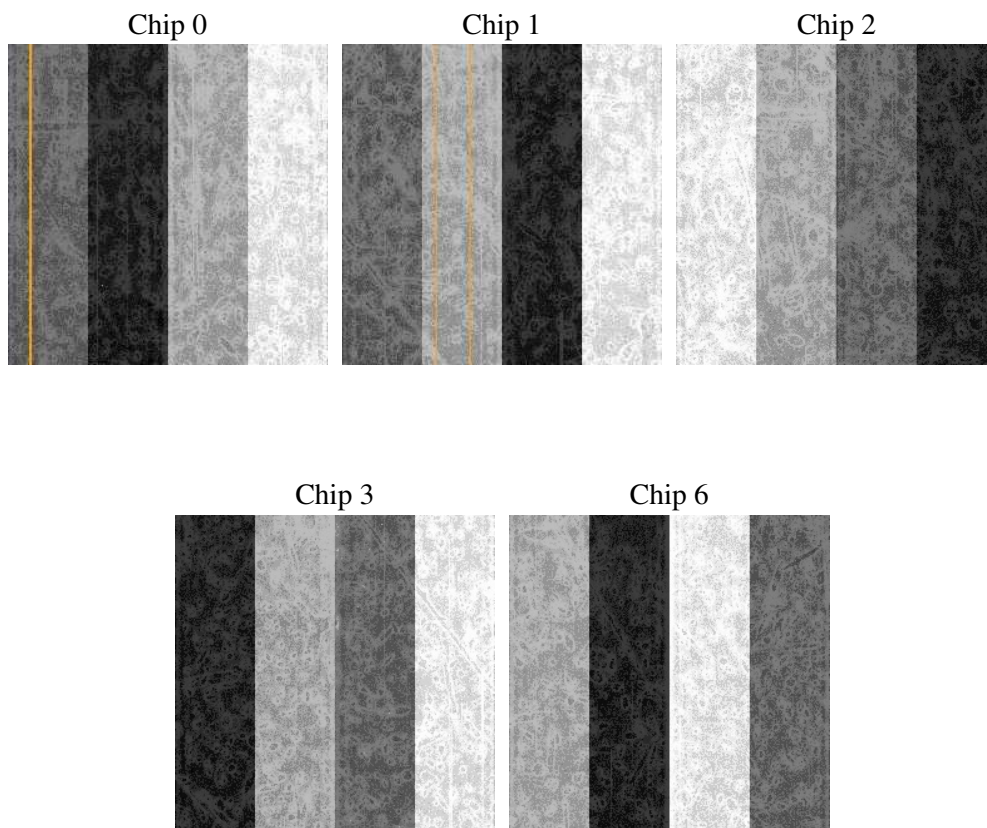
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-27T12:28:27
revision	2

sched_exp_time	47000.000000
ontime	47042.895143002
ontime0	47055.458964556
ontime1	47046.036013901
ontime2	47055.458964556
ontime3	47042.895143002
ontime6	47055.458964556
l1events	1441036

2.1.4 Events

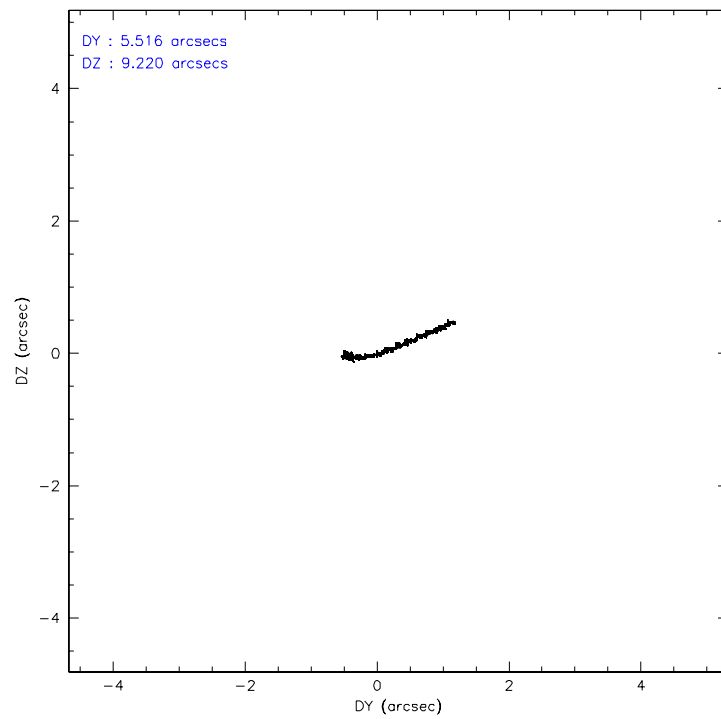
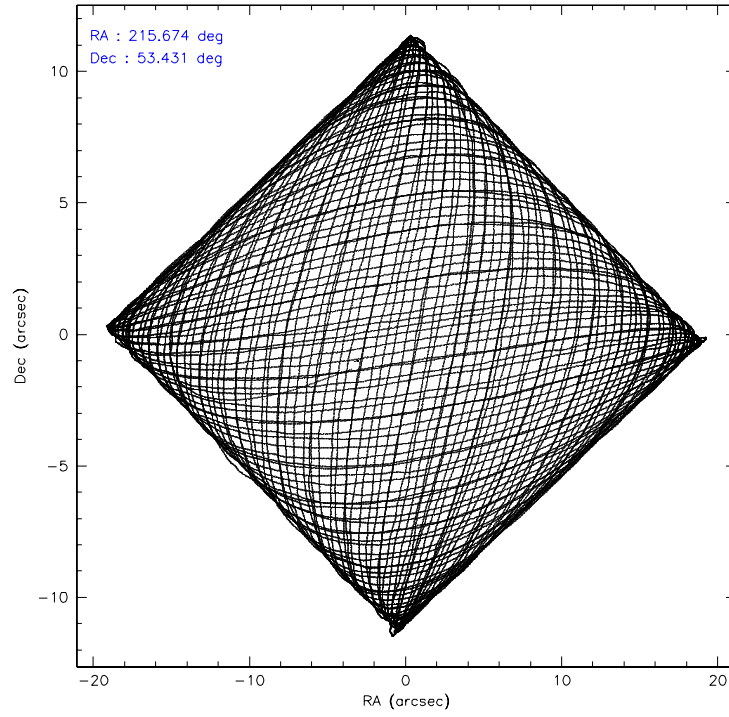
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	271777	274099	305920	291777	297463
rejected events	242012	241475	277431	264273	267081
rejected %	89%	88%	90%	90%	89%

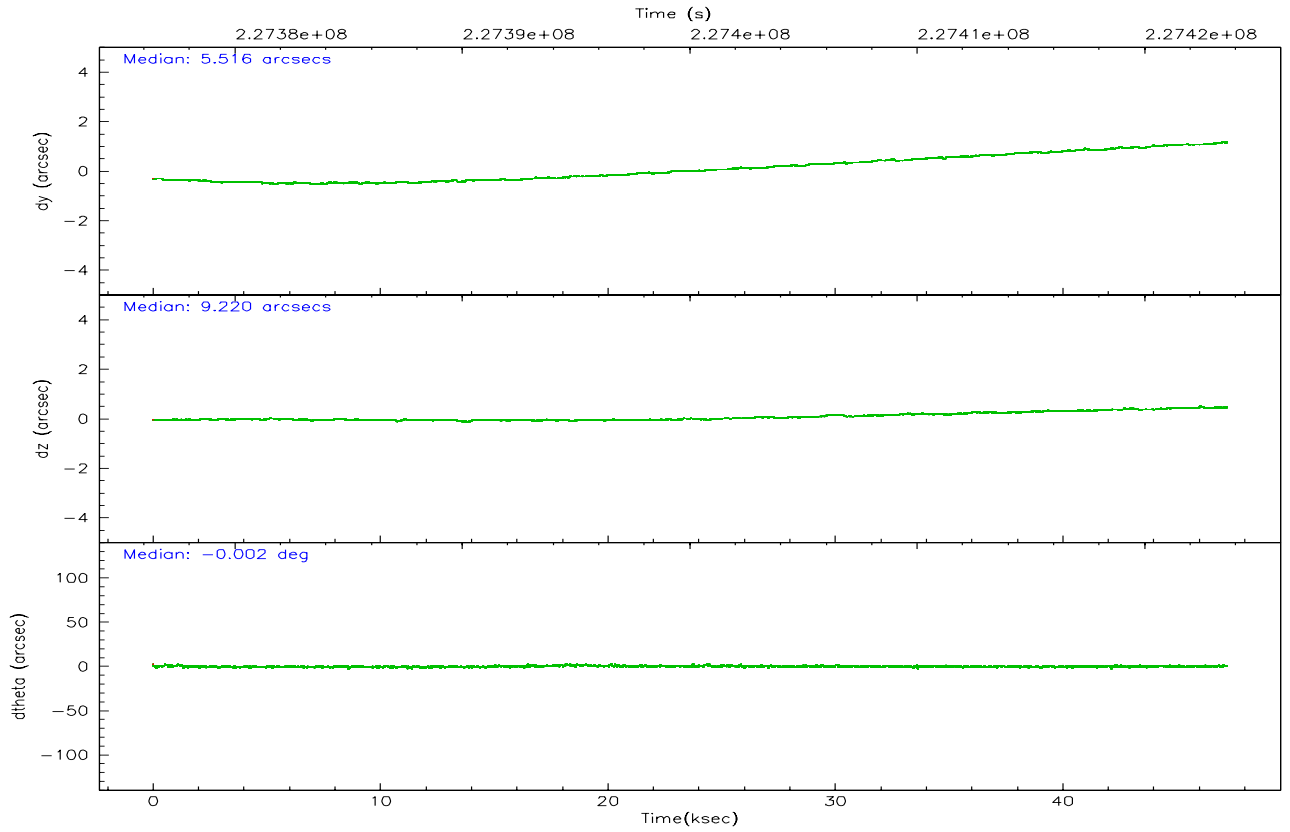
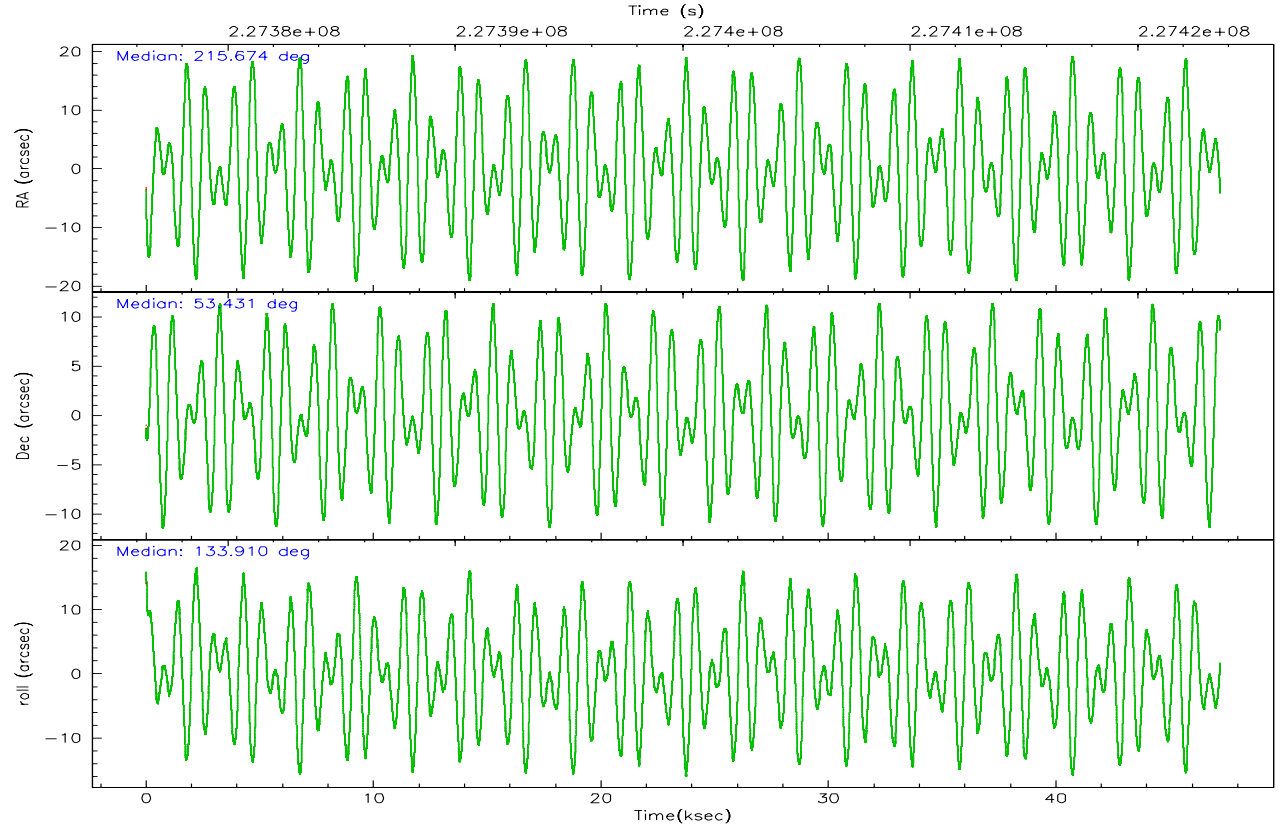
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10614	11798	10233	9618	10664
	3%	4%	3%	3%	3%
grade 1 events	145	125	140	163	137
	0%	0%	0%	0%	0%
grade 2 events	6904	7030	6720	5872	6619
	2%	2%	2%	2%	2%
grade 3 events	3491	3623	3137	3244	3526
	1%	1%	1%	1%	1%
grade 4 events	3186	3711	3125	3307	3308
	1%	1%	1%	1%	1%
grade 5 events	10537	11321	10056	11643	11758
	3%	4%	3%	3%	3%
grade 6 events	5570	6463	5276	5465	6265
	2%	2%	1%	1%	2%
grade 7 events	231330	230028	267233	252465	255186
	85%	83%	87%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	215.717675	215.6734793476395	Alternating exposures requested	N	N
Pointing Dec	53.423929	53.43141334990145	Primary exposure time	0.000000	3.1
Pointing Roll	133.670881	133.9150595073877			
Roll angle	50.756000	50.756000			
Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	Y	Y			
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	227376627.184000	227375674.79114			
Observation start date	2005-03-16T16:09:23	2005-03-16T15:54:34			
Observation end time	227423627.184000	227424313.09335			
Observation end date	2005-03-17T05:12:43	2005-03-17T05:25:13			
Read mode	TIMED	TIMED			

2.3 Aspect



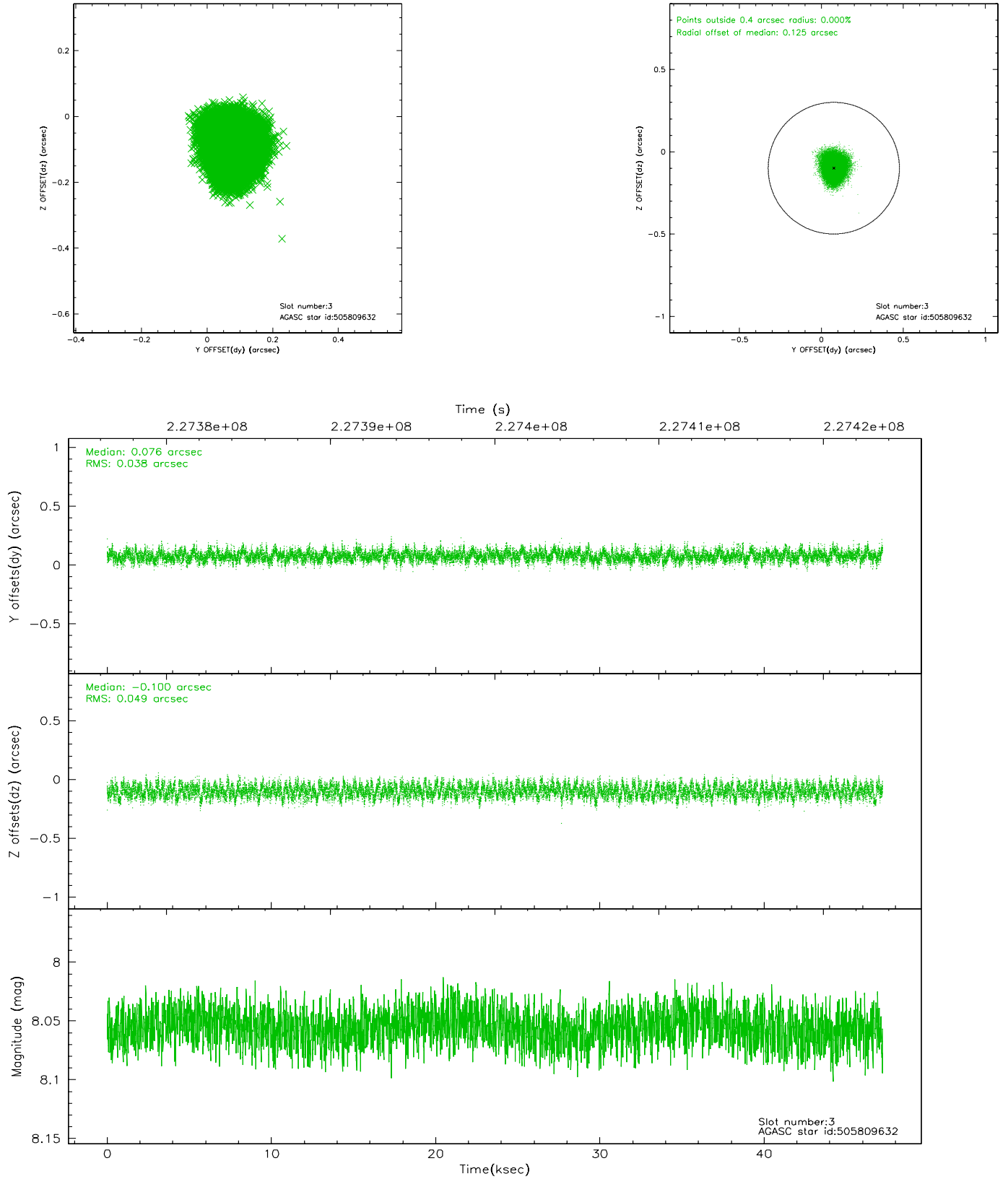


Slot Statistics

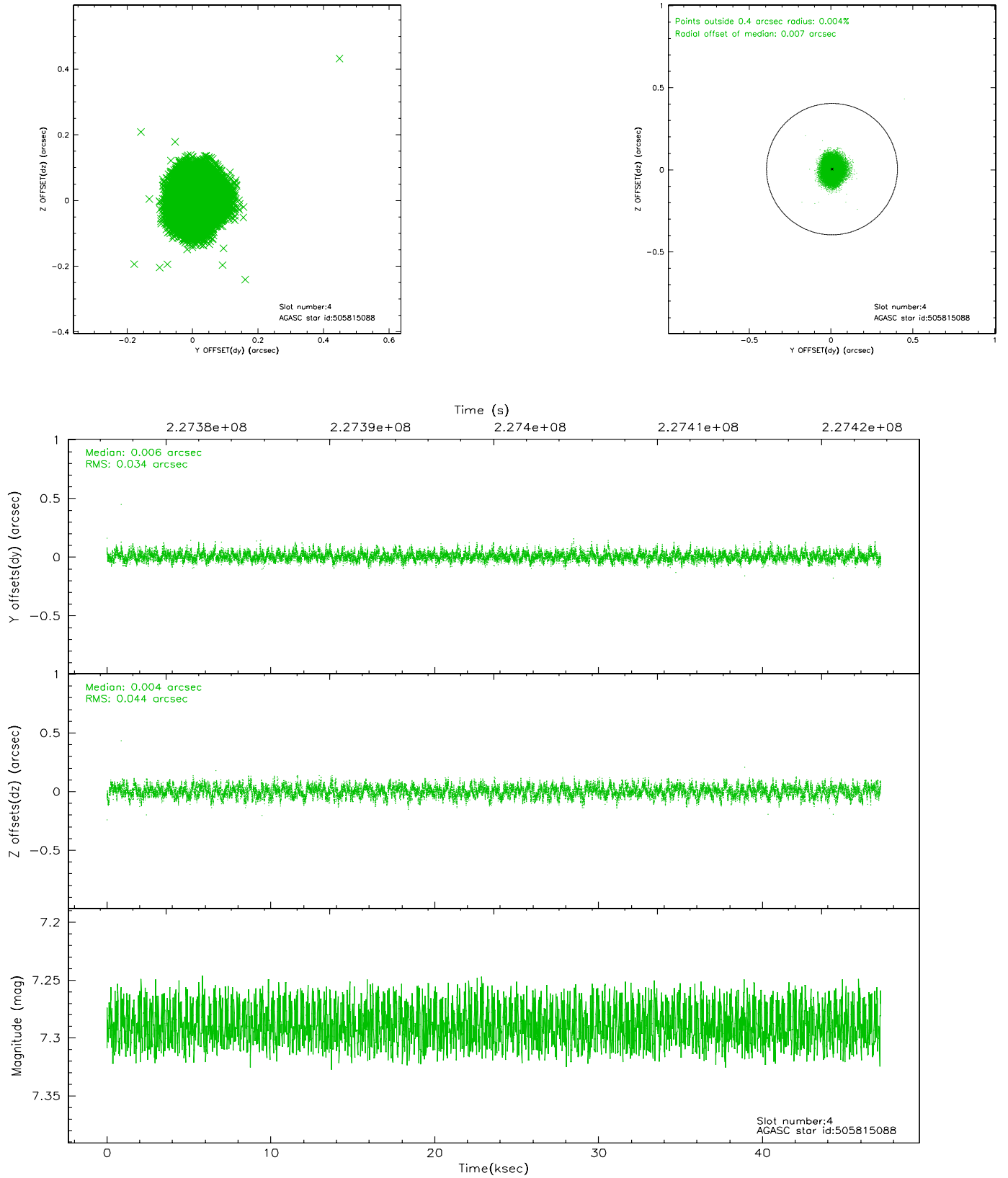
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	11520	-0.045	-0.033	0.012	0.019	0.000000	0.000000	-760.14	-839.15
1	FID	ACIS-I-4	7.18	11519	0.090	0.042	0.013	0.029	0.000000	0.000000	2154.07	1067.08
2	FID	ACIS-I-5	7.22	11519	-0.143	0.060	0.014	0.022	0.000000	0.000000	-1814.06	1064.96
3	GUIDE	505809632	8.05	23035	0.076	-0.100	0.067	0.105	215.499426	53.521185	576.65	95.83
4	GUIDE	505815088	7.29	23039	0.006	0.004	0.060	0.096	216.315963	53.584954	-459.88	-1328.62
5	GUIDE	505815928	8.29	23035	-0.092	-0.104	0.067	0.108	216.234742	53.074559	-1678.88	56.77
6	GUIDE	505817176	8.26	23032	0.054	0.139	0.058	0.092	216.408138	53.717379	-245.82	-1797.90
7	GUIDE	505817384	8.07	23036	-0.045	0.069	0.055	0.087	216.827424	53.311152	-1927.28	-1459.06

2.4 Star Slots

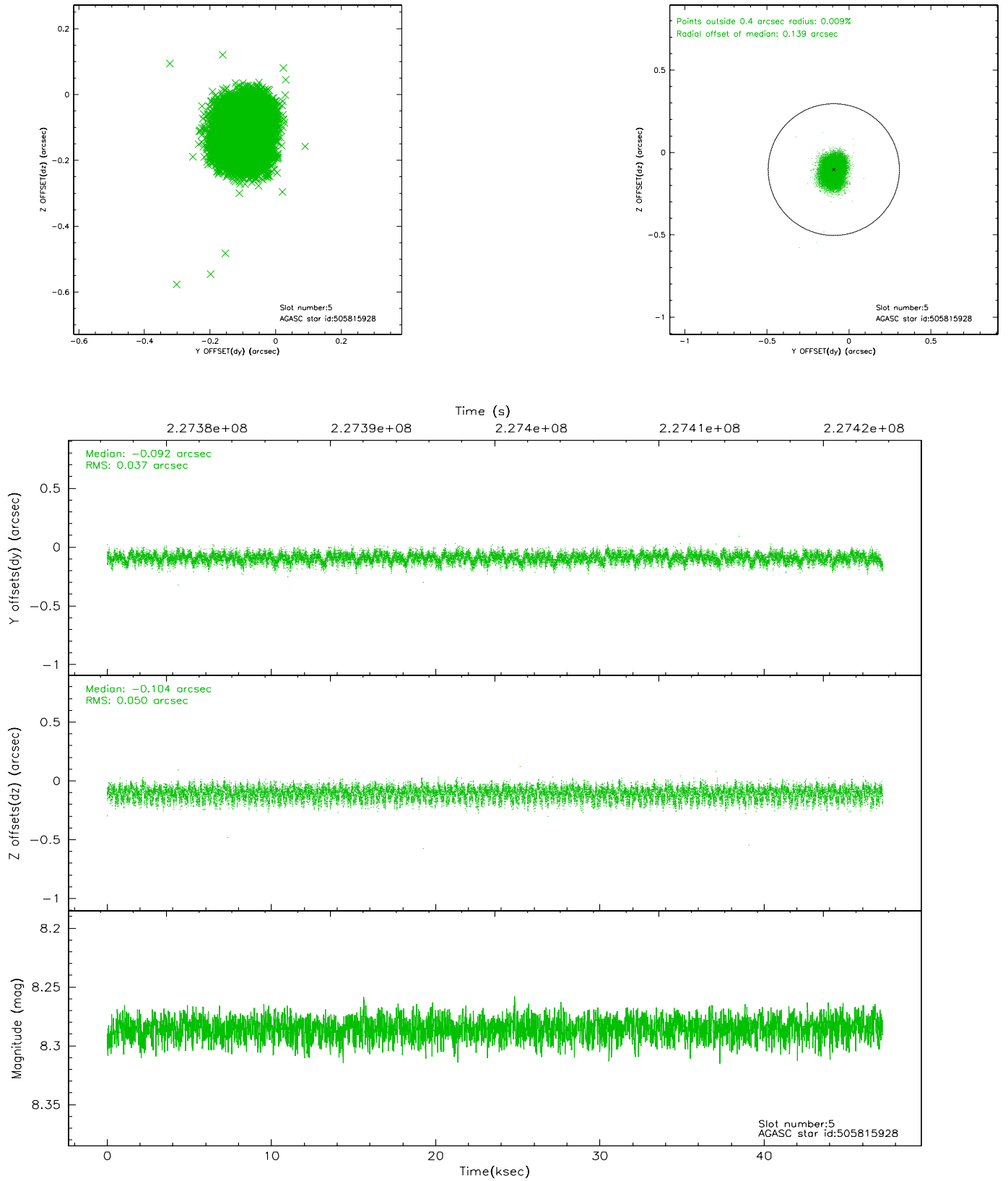
2.4.1 Slot 3



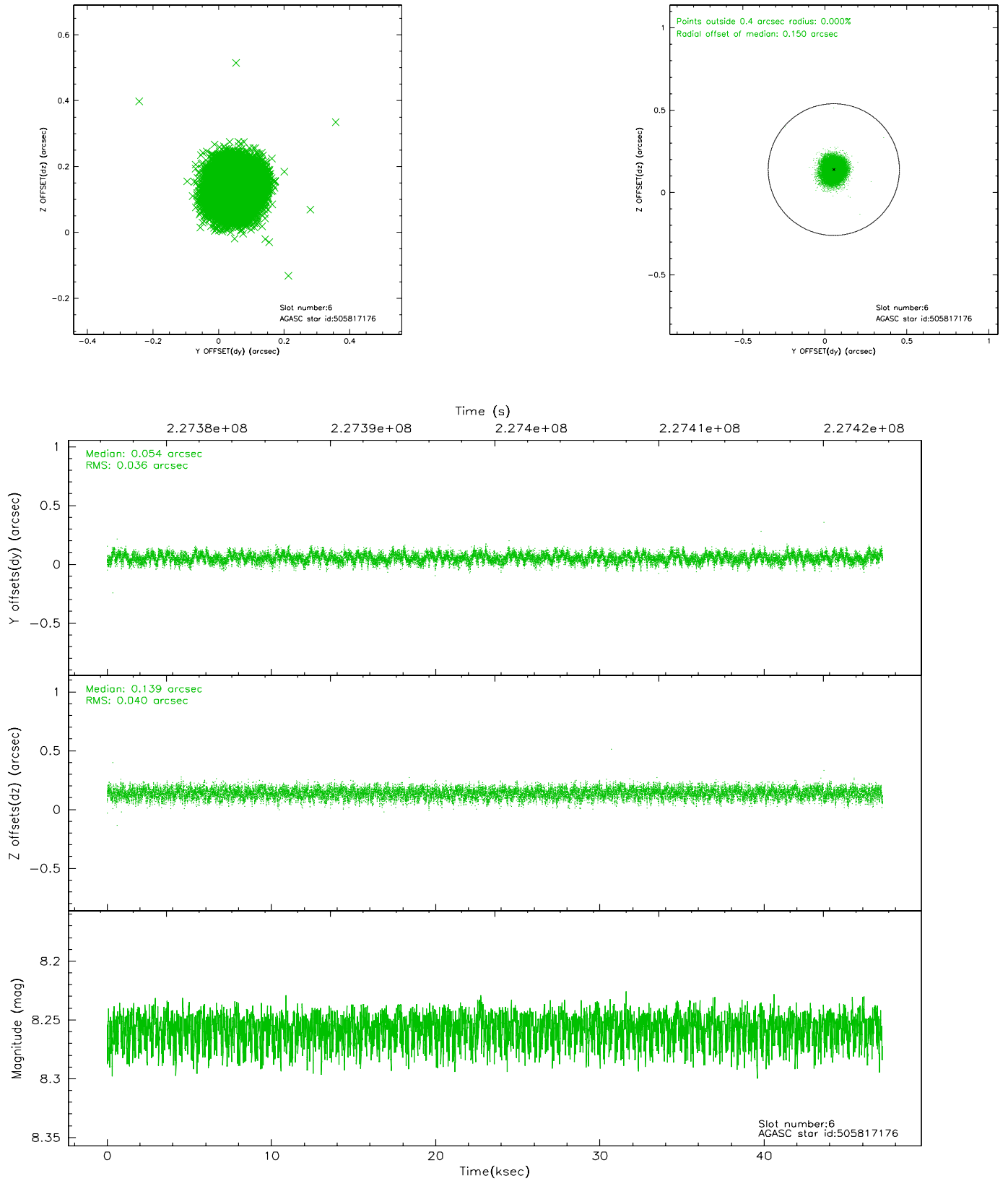
2.4.2 Slot 4



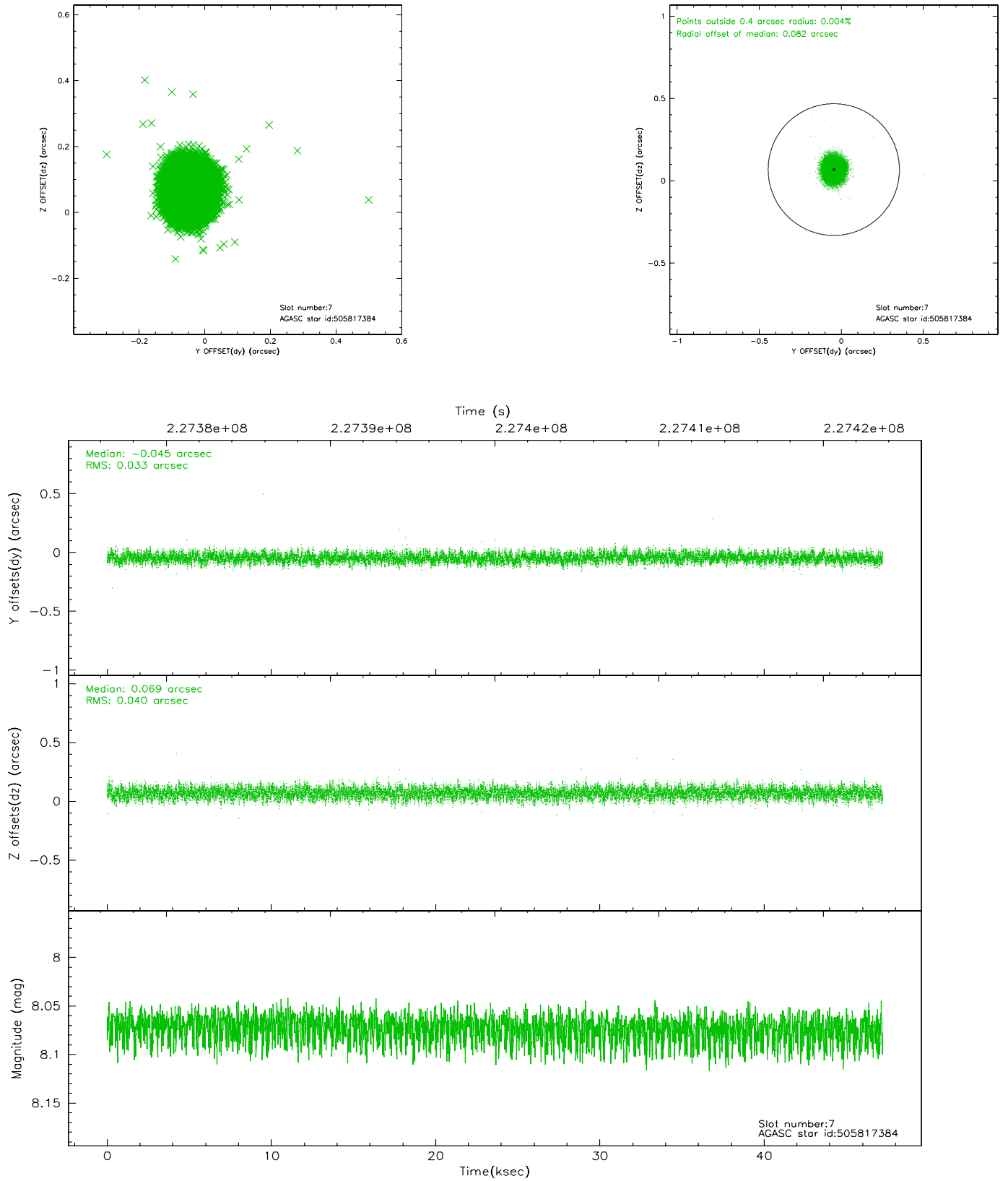
2.4.3 Slot 5



2.4.4 Slot 6

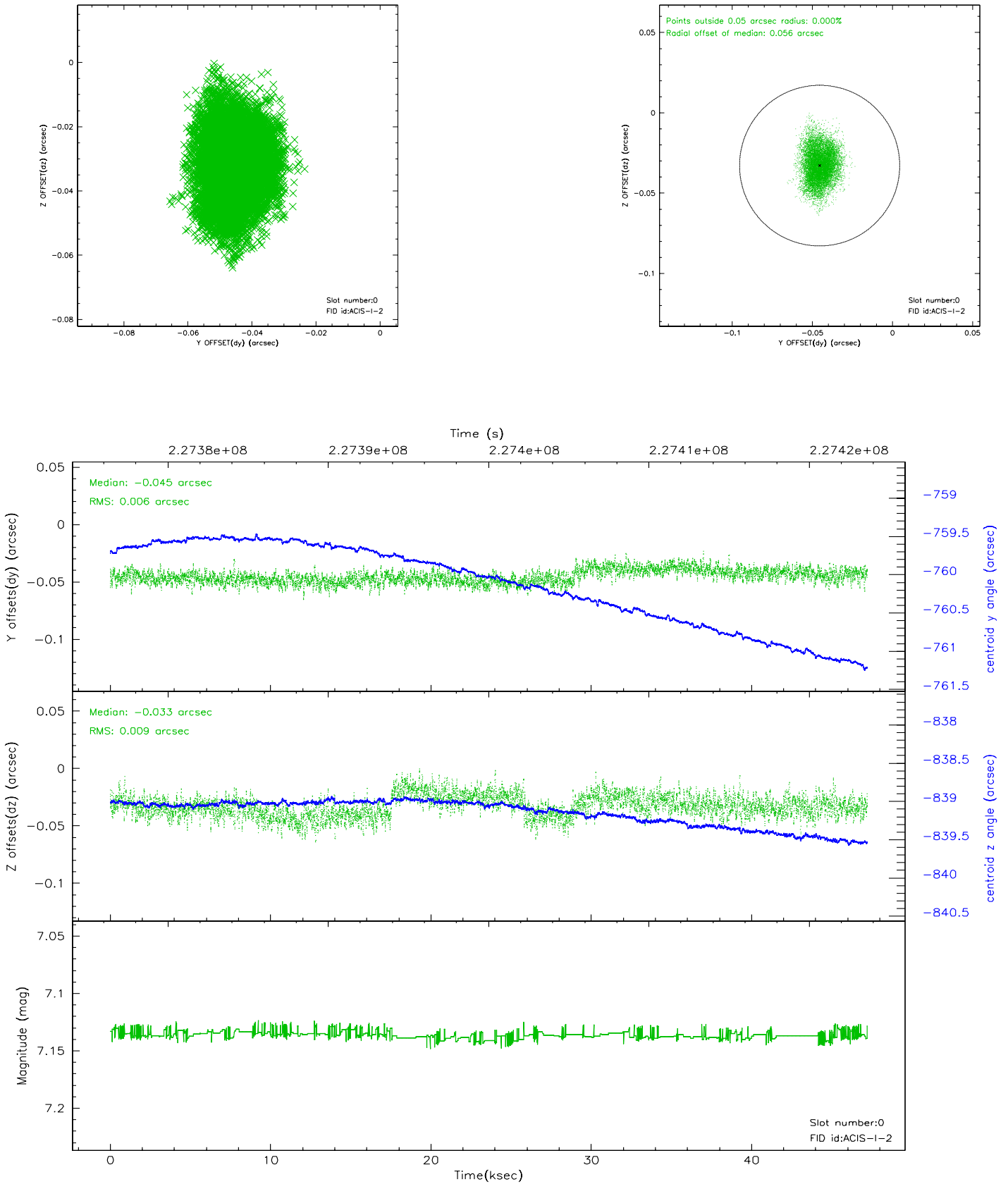


2.4.5 Slot 7

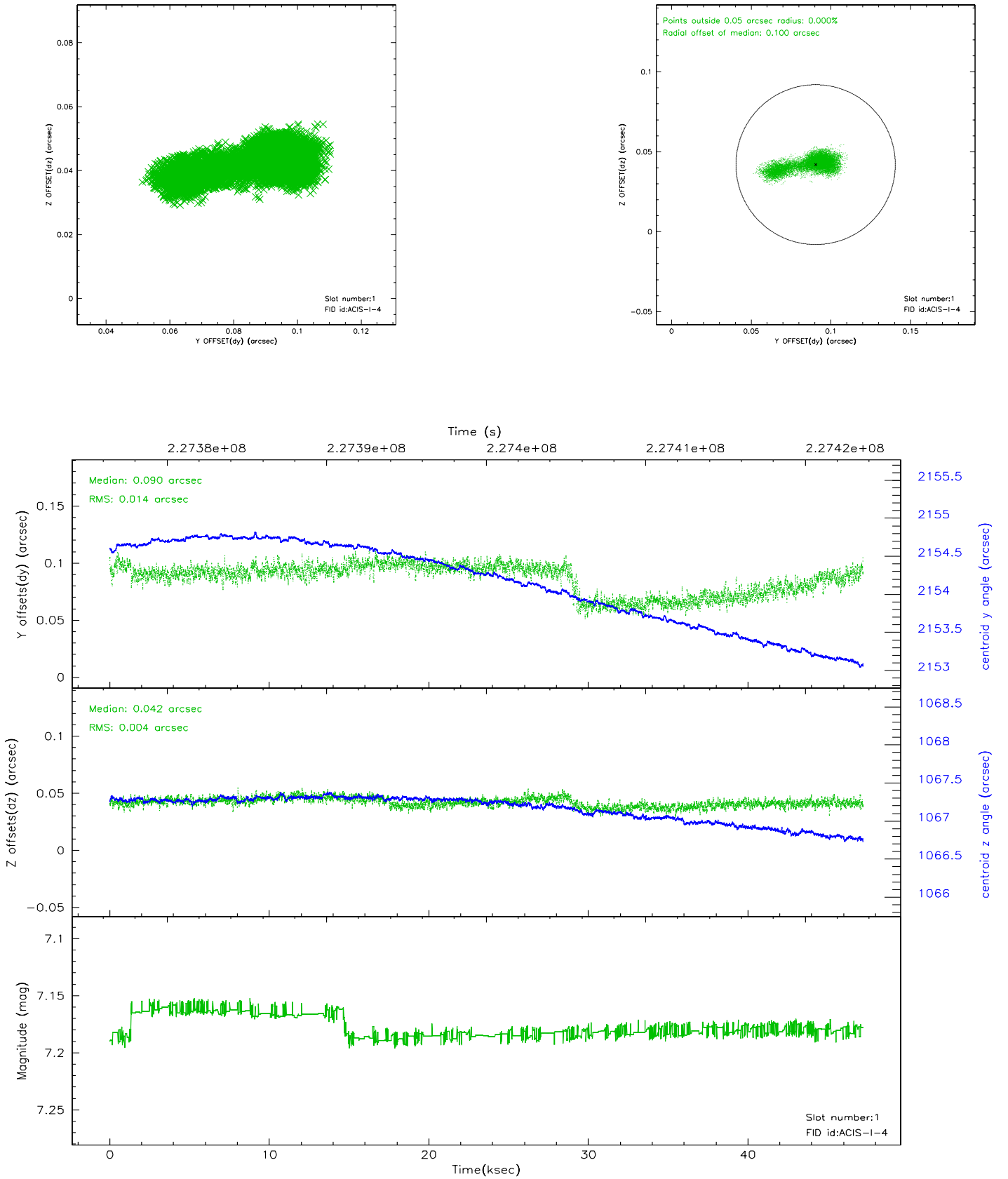


2.5 FID Slots

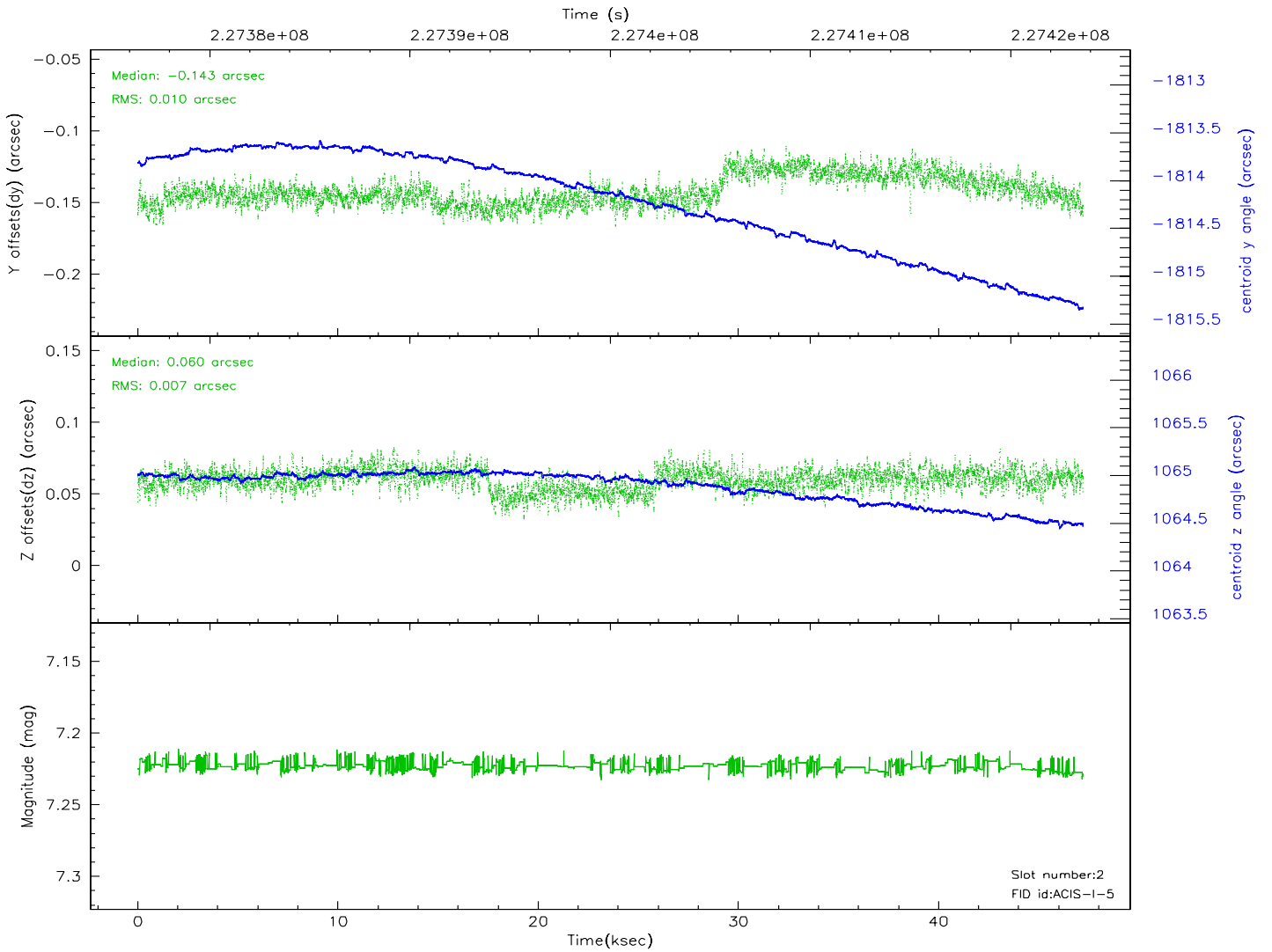
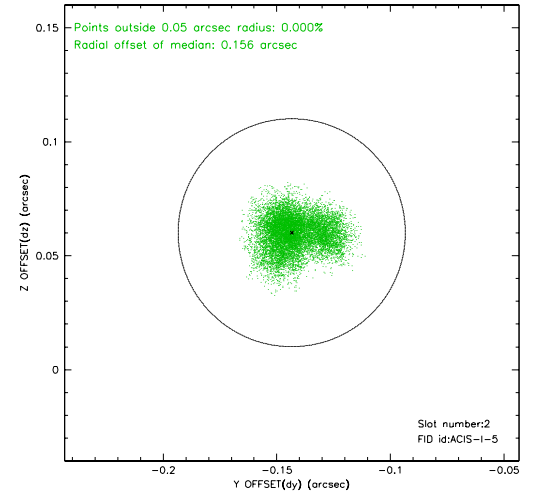
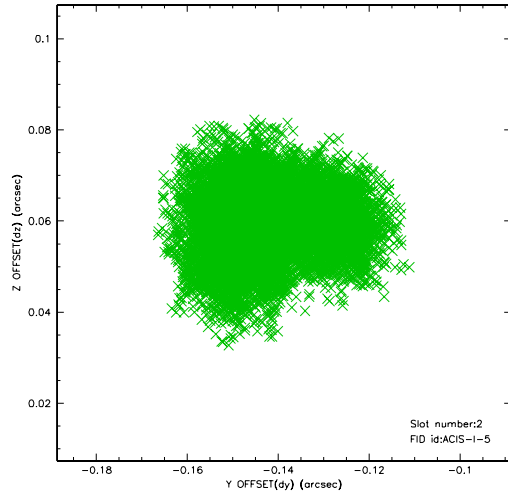
2.5.1 Slot 0



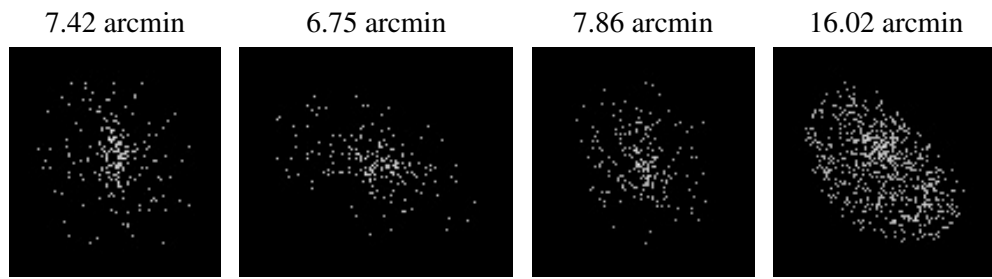
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.03923

A.2 Comments

Roll constraint met.