

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2039 - L2 Version 001
Chandra X-Ray Center

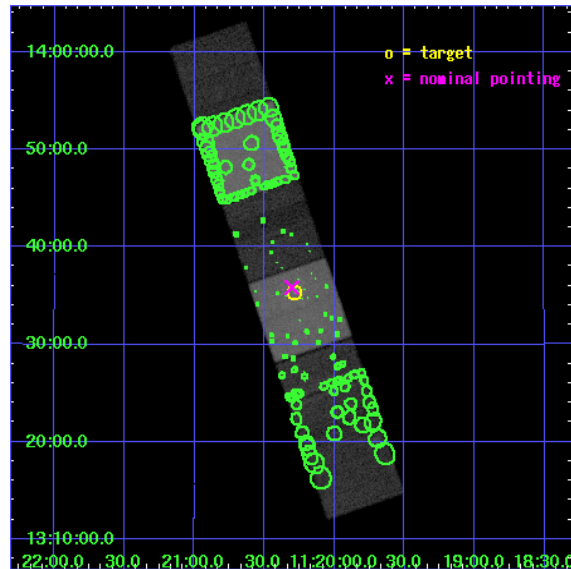
L2 Processing Date : Jun 18 2007

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

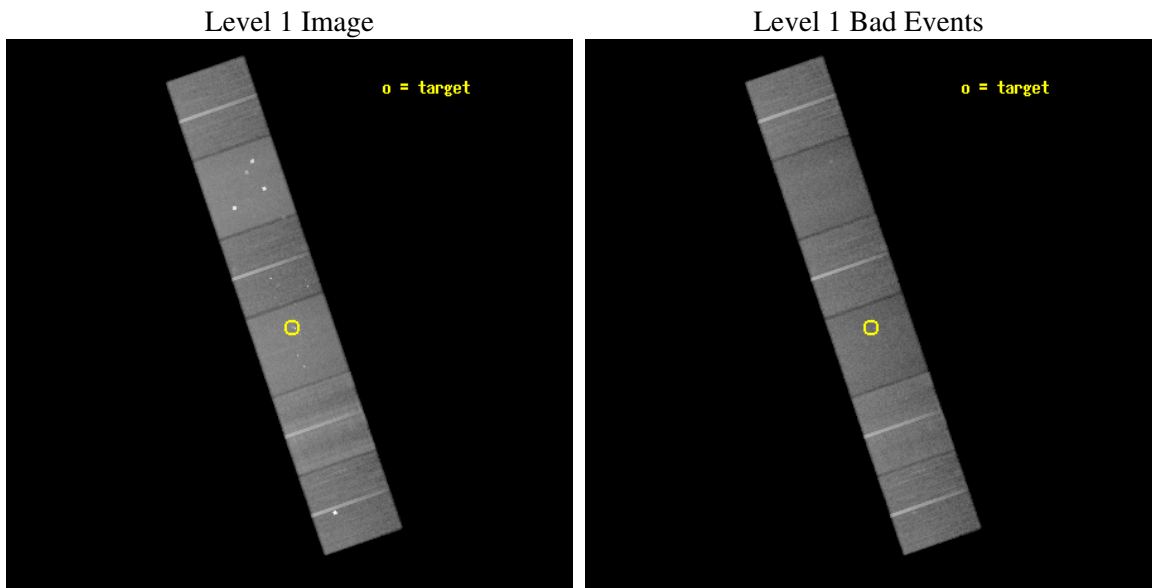
seq_num	600173
obs_id	2039
title	STARBURST-NUCLEUS OUTFLOW CONES: UNDERSTANDING THE ORIGIN OF X-RAY EMISSION IN GALACTIC SUPERWINDS
observer	Dr David Strickland
object	NGC 3628
dtcycle	0
cycle	P
ra_targ	170.070833
dec_targ	13.588917
ra_nom	170.07601606652
dec_nom	13.597672627091
roll_nom	71.155451167828
revision	2
ontime	58704.000054672
livetime	57960.654658675
ontime4	58700.759094417
ontime5	58704.000054672
ontime6	58700.759094432
ontime7	58704.000054672
ontime8	58704.000054672
ontime9	58700.759094432
l2events	548760



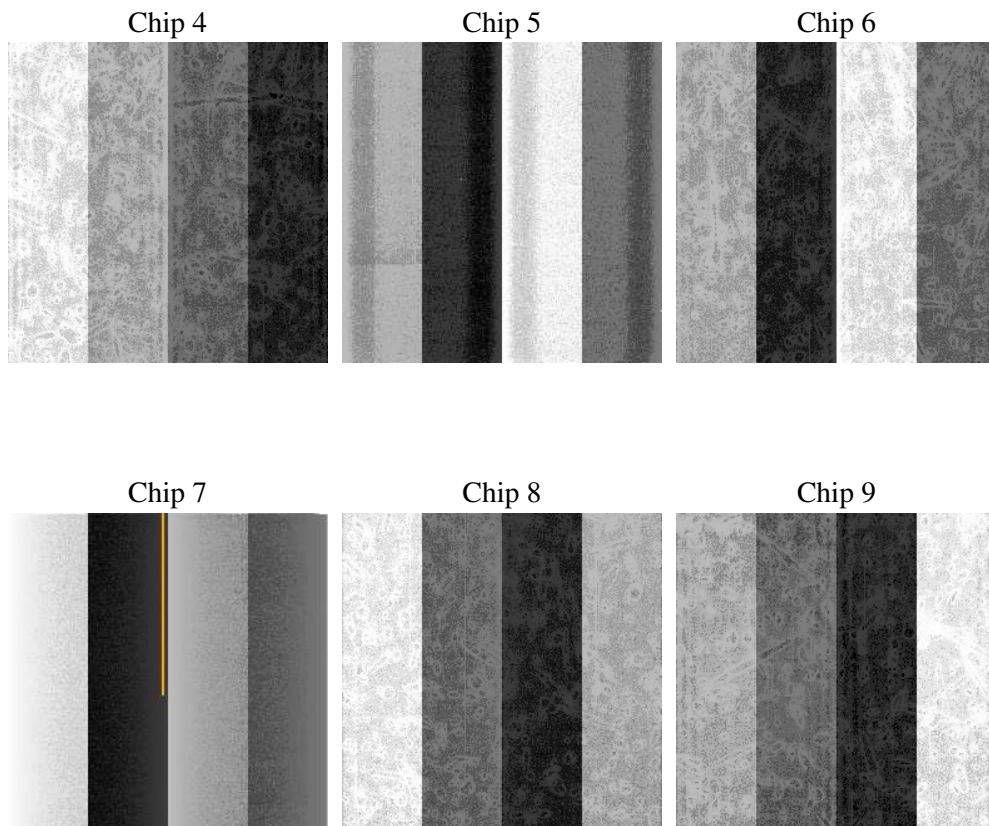
2 OBI

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	2007-06-18T14:35:51
revision	2

sched_exp_time	58750.000000
ontime	58704.000054672
ontime4	58700.759094417
ontime5	58704.000054672
ontime6	58700.759094432
ontime7	58704.000054672
ontime8	58704.000054672
ontime9	58700.759094432
l1events	2446196

2.1.4 Events

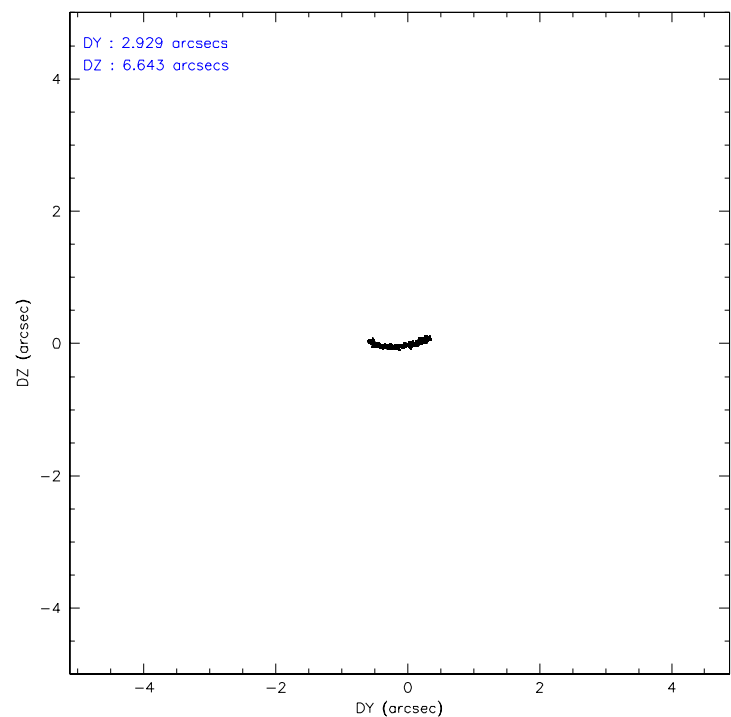
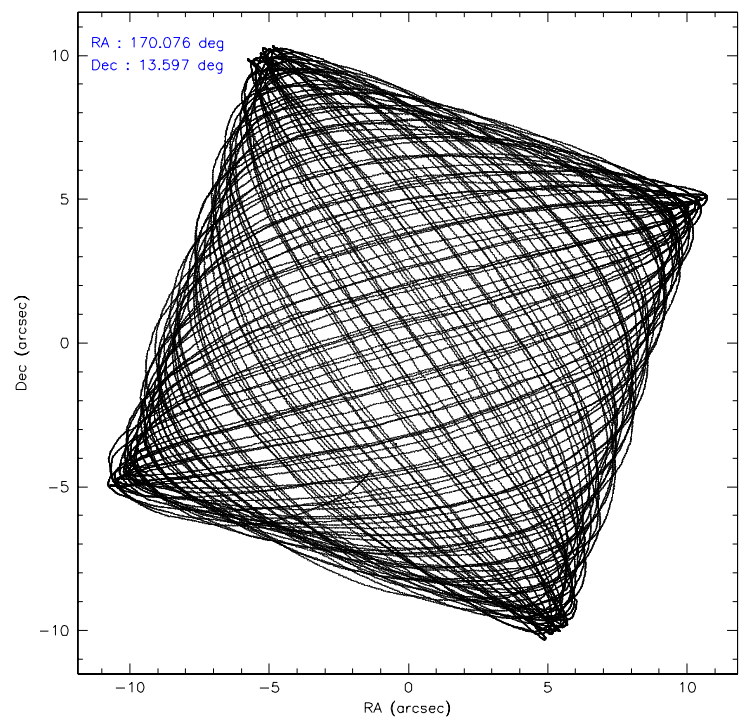
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	369988	490107	339565	435230	458702	352604
rejected events	324627	246087	294790	242277	337205	291686
rejected %	87%	50%	86%	55%	73%	82%

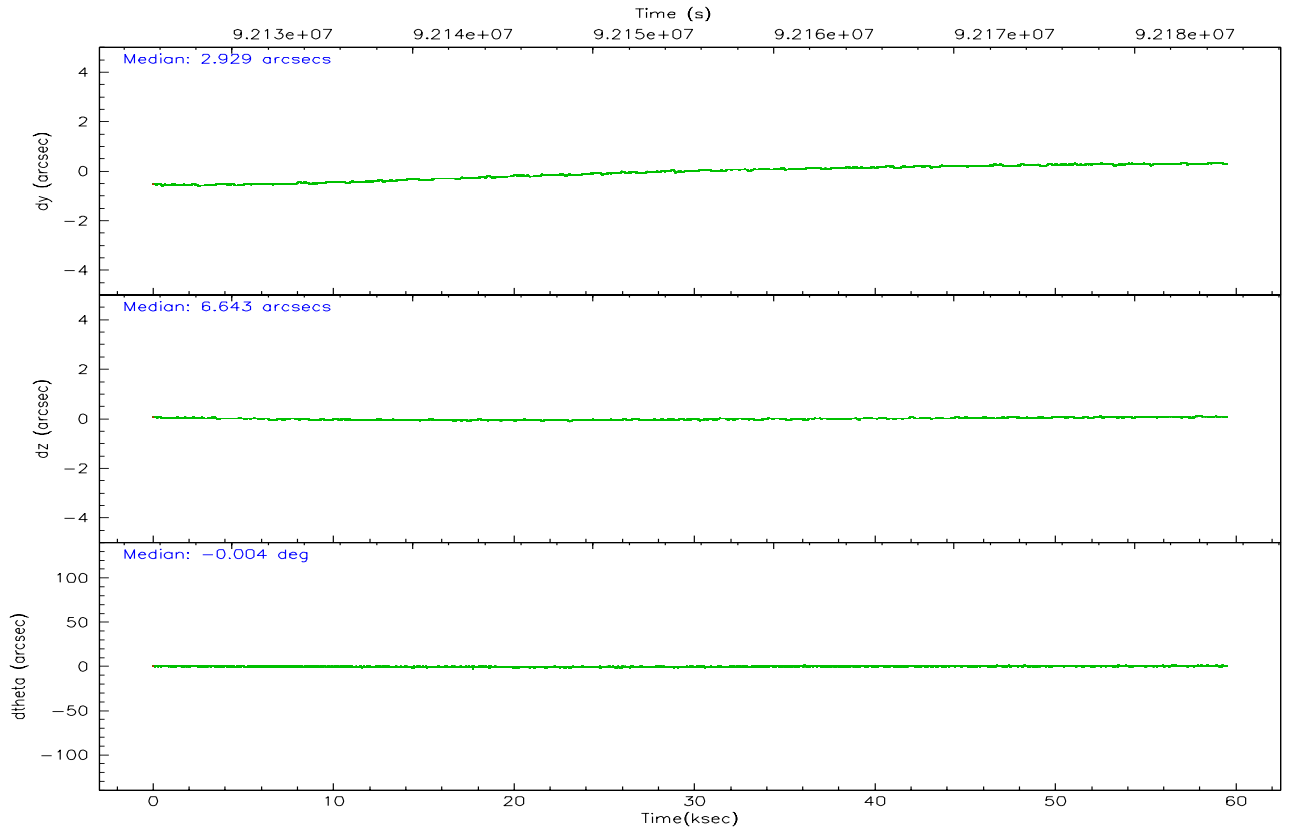
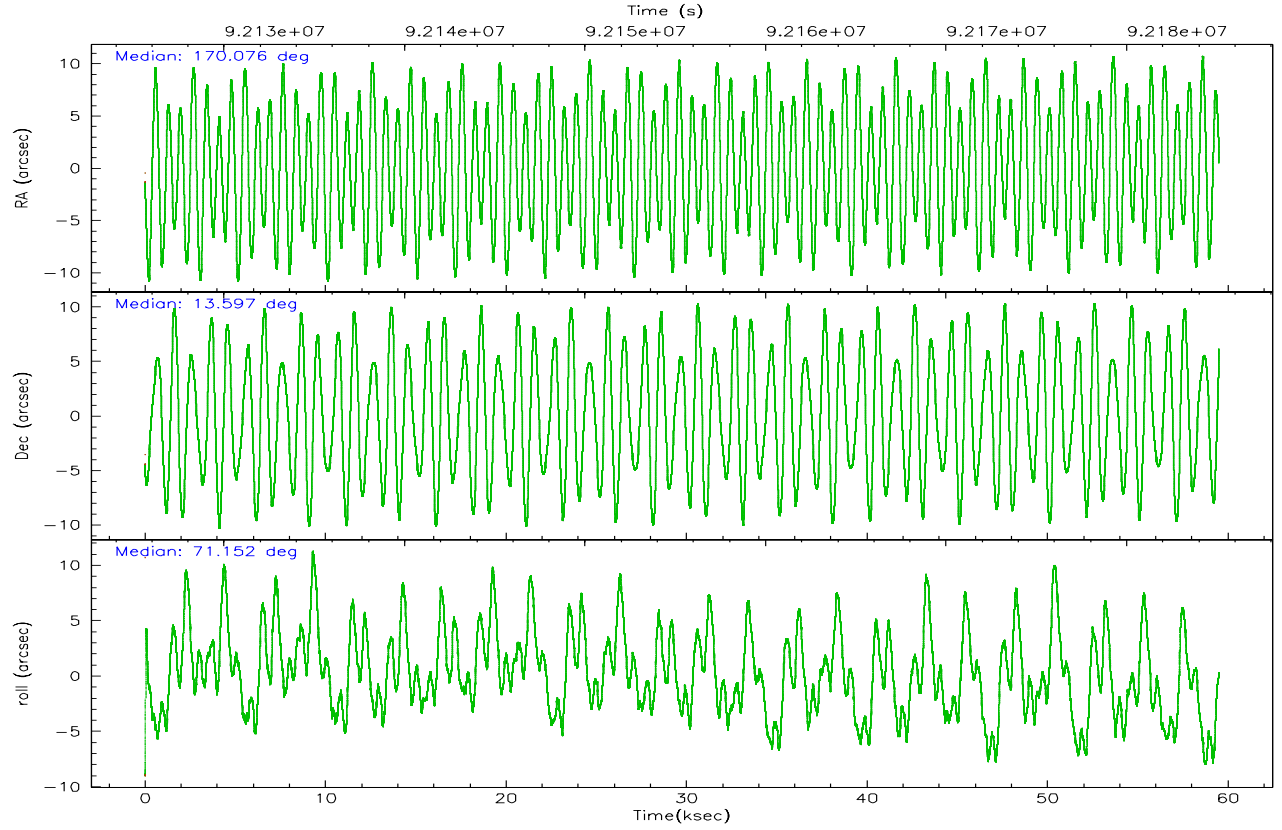
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	19202	51494	19954	22030	38570	35710
	5%	10%	5%	5%	8%	10%
grade 1 events	168	815	173	439	331	212
	0%	0%	0%	0%	0%	0%
grade 2 events	11125	63369	8905	38486	23076	9191
	3%	12%	2%	8%	5%	2%
grade 3 events	3793	10277	3928	17675	15958	3982
	1%	2%	1%	4%	3%	1%
grade 4 events	3747	9764	3860	17523	14483	3739
	1%	1%	1%	4%	3%	1%
grade 5 events	11368	34876	13766	39739	17863	13800
	3%	7%	4%	9%	3%	3%
grade 6 events	7497	109132	8131	97252	29415	8298
	2%	22%	2%	22%	6%	2%
grade 7 events	313088	210380	280848	202086	319006	277672
	84%	42%	82%	46%	69%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	170.081439	170.0760160665237	Subarray requested	NONE	NONE
Pointing Dec	13.570740	13.59767262709143	Alternating exposures requested	N	N
Pointing Roll	70.997515	71.15545116782762	Primary exposure time	0.000000	3.2
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	92126379.184000	92125136.653017			
Observation start date	2000-12-02T06:38:35	2000-12-02T06:18:56			
Observation end time	92185129.184000	92186059.58034299			
Observation end date	2000-12-02T22:57:45	2000-12-02T23:14:19			
Read mode	TIMED	TIMED			

2.3 Aspect



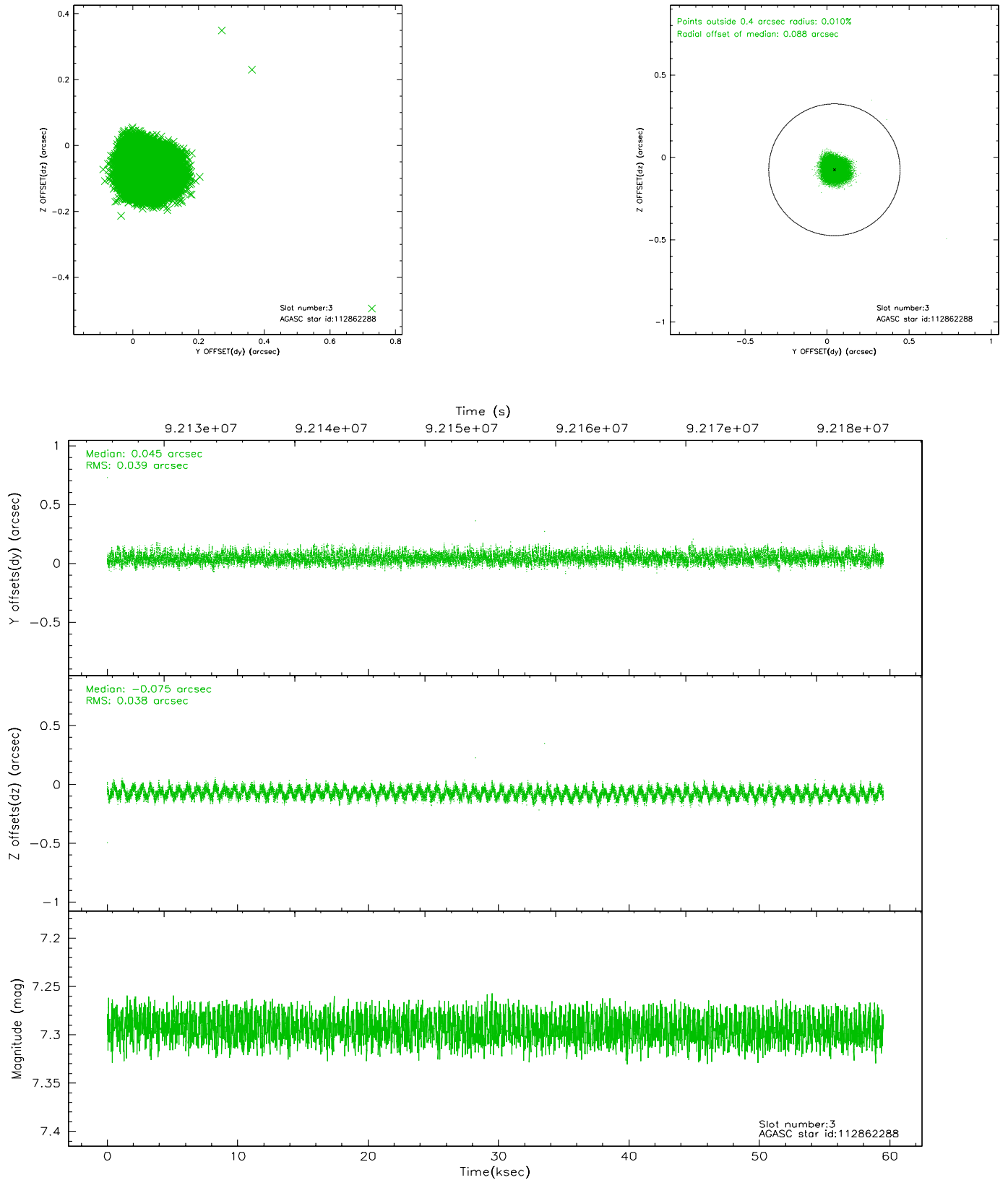


Slot Statistics

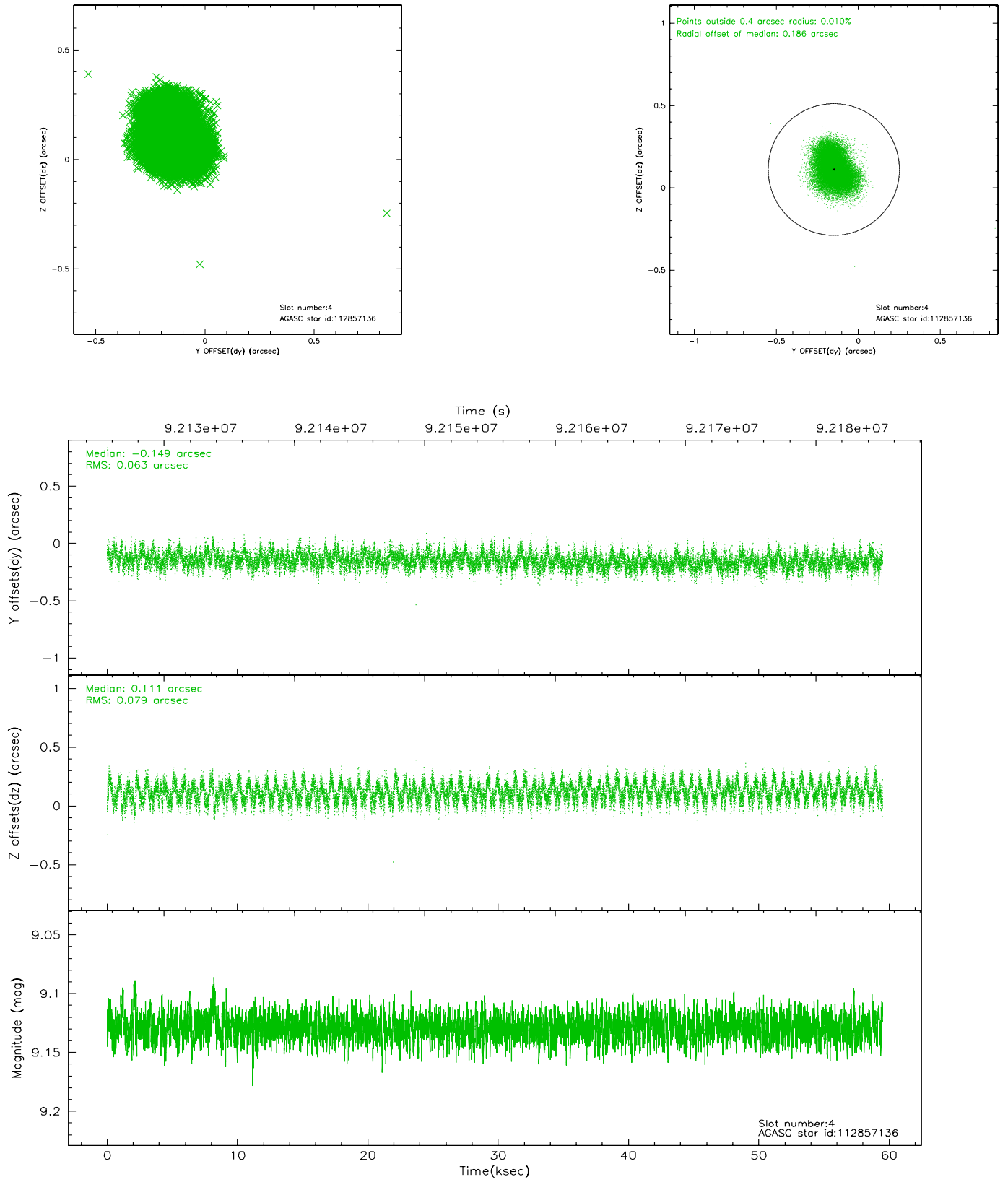
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	14514	-0.008	0.030	0.014	0.021	0.000000	0.000000	-755.51	-1727.77
1	FID	ACIS-S-4	7.20	14511	-0.068	-0.003	0.013	0.020	0.000000	0.000000	2157.72	180.72
2	FID	ACIS-S-5	7.23	14513	0.043	-0.018	0.009	0.015	0.000000	0.000000	-1808.36	174.33
3	GUIDE	112862288	7.29	29027	0.045	-0.075	0.059	0.091	169.777560	13.390753	-957.79	795.01
4	GUIDE	112857136	9.13	29024	-0.149	0.111	0.109	0.171	170.586186	13.944462	1848.70	-1228.90
5	GUIDE	112862424	9.42	29018	-0.123	0.104	0.090	0.145	170.459633	13.475243	107.79	-1363.74
6	GUIDE	112857720	9.37	29022	-0.031	-0.150	0.079	0.129	169.841312	13.775016	422.98	1032.93
7	GUIDE	112862568	9.60	29005	0.255	0.001	0.093	0.151	170.030630	13.021719	-1925.74	-475.46

2.4 Star Slots

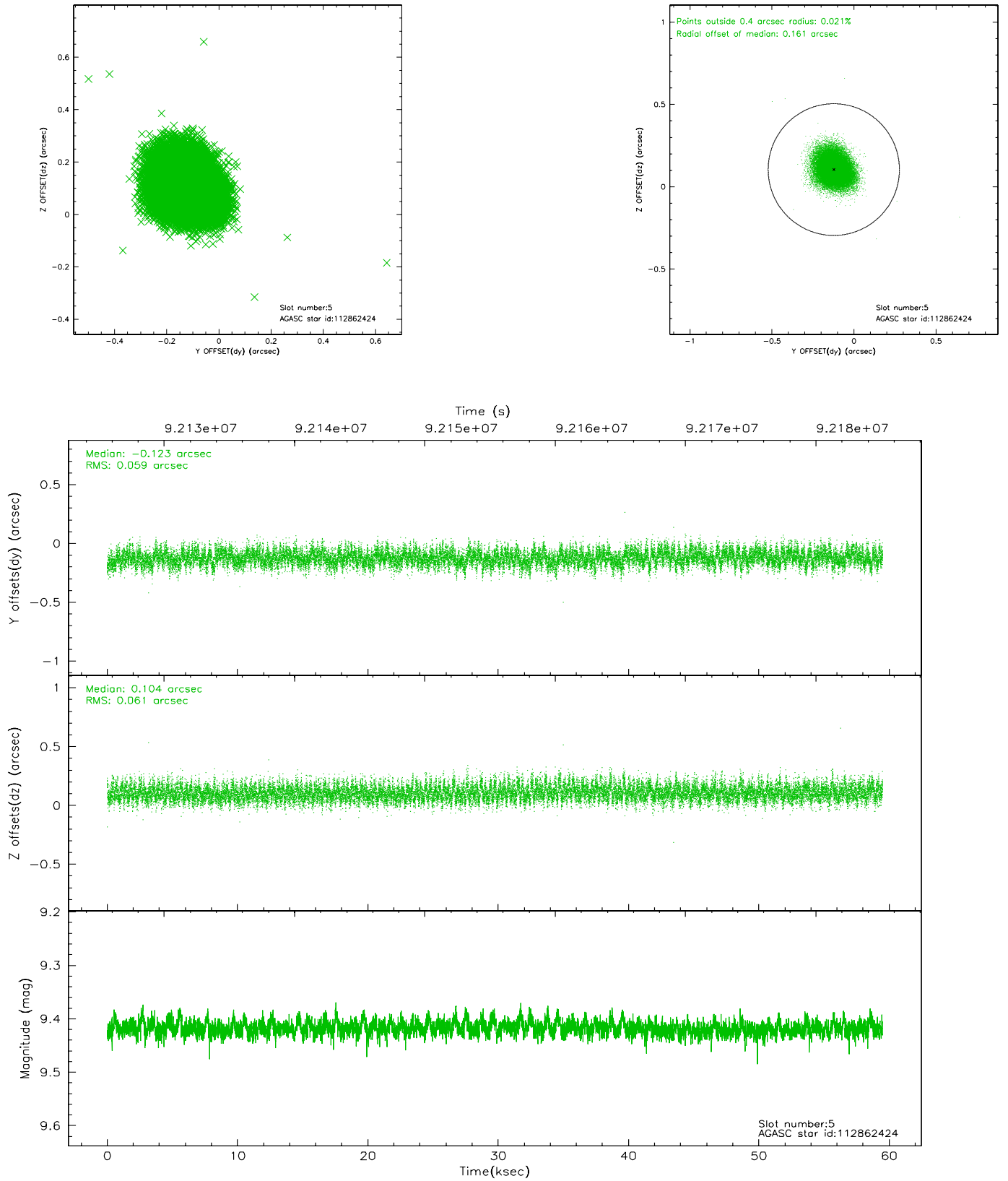
2.4.1 Slot 3



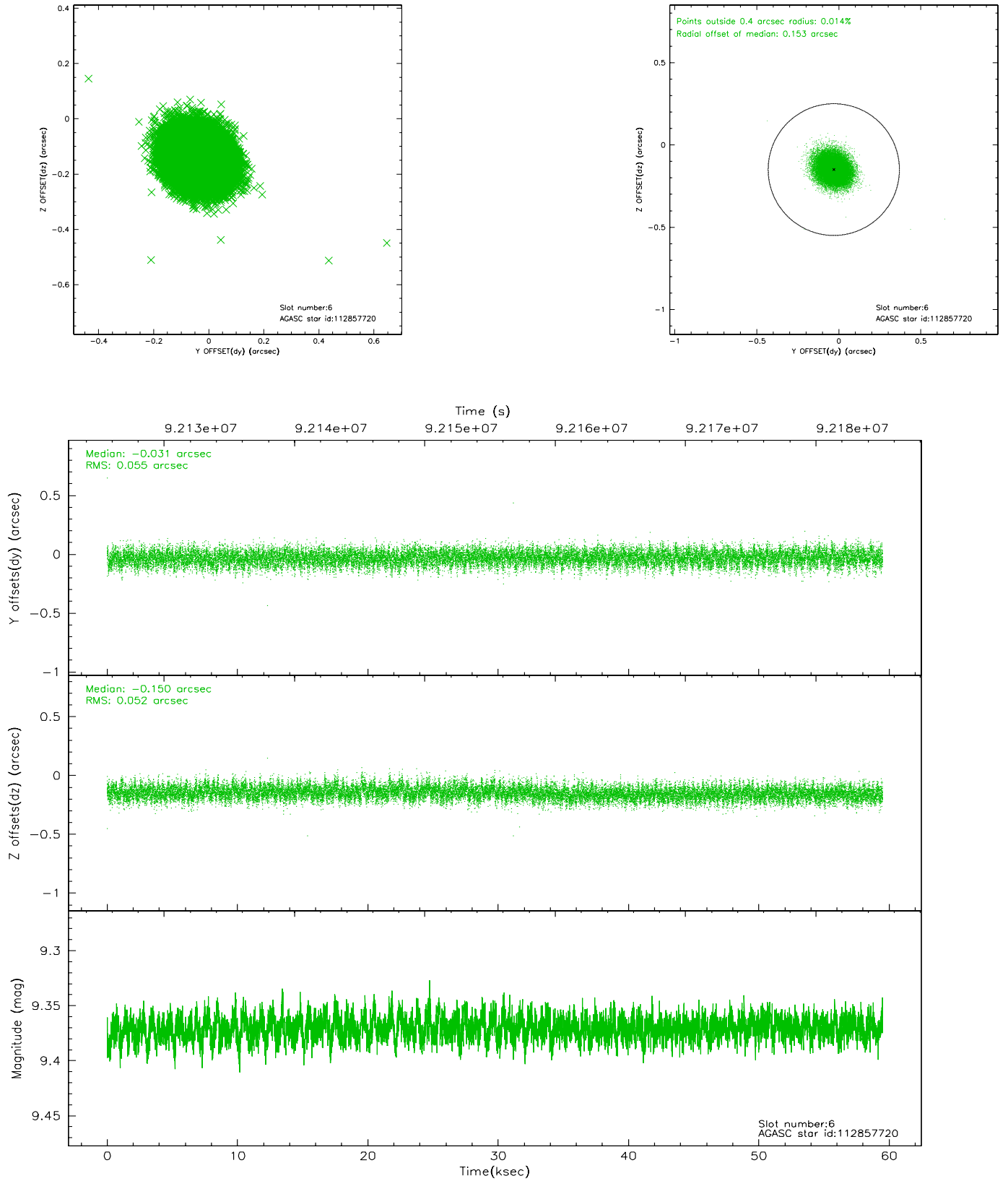
2.4.2 Slot 4



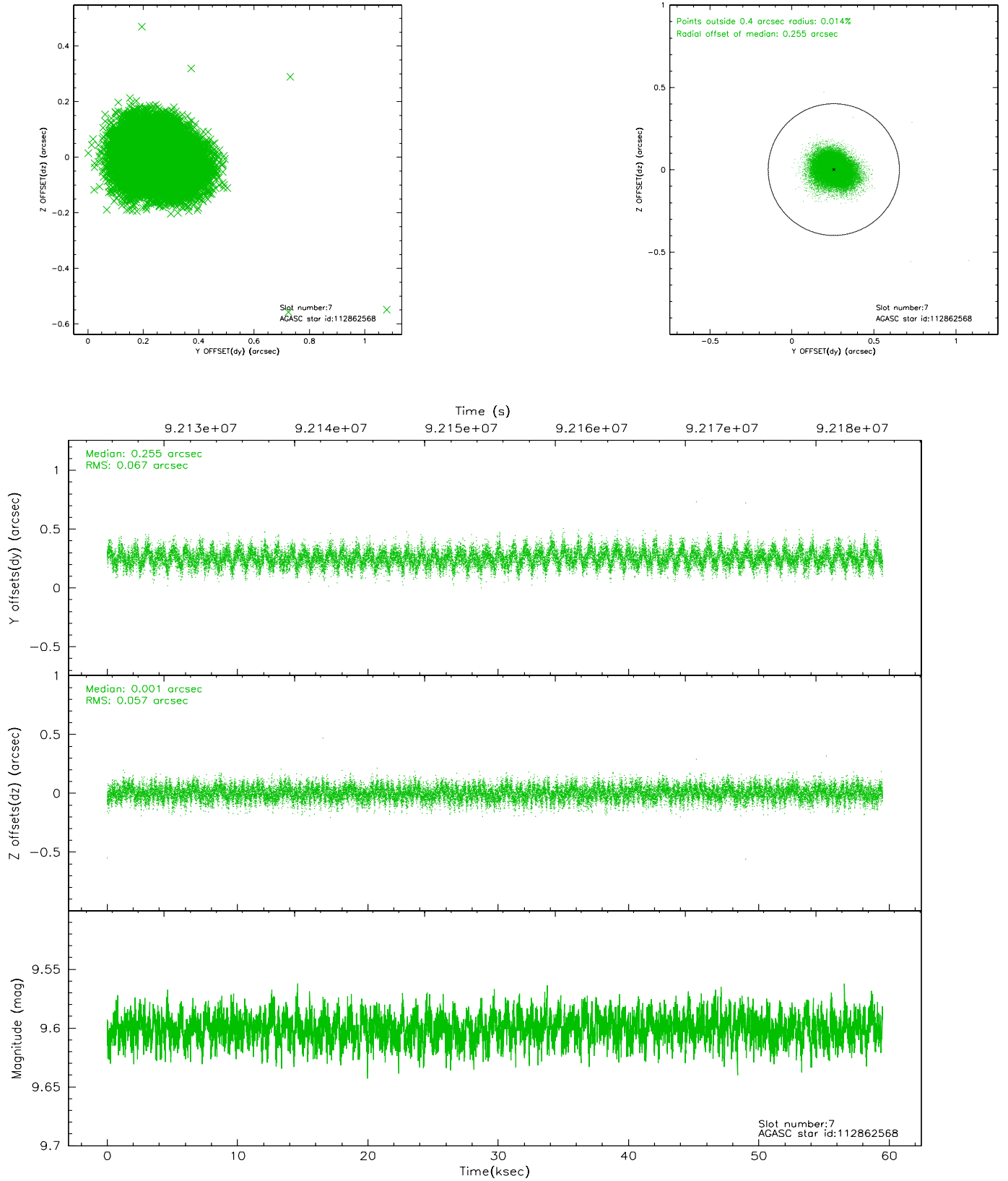
2.4.3 Slot 5



2.4.4 Slot 6

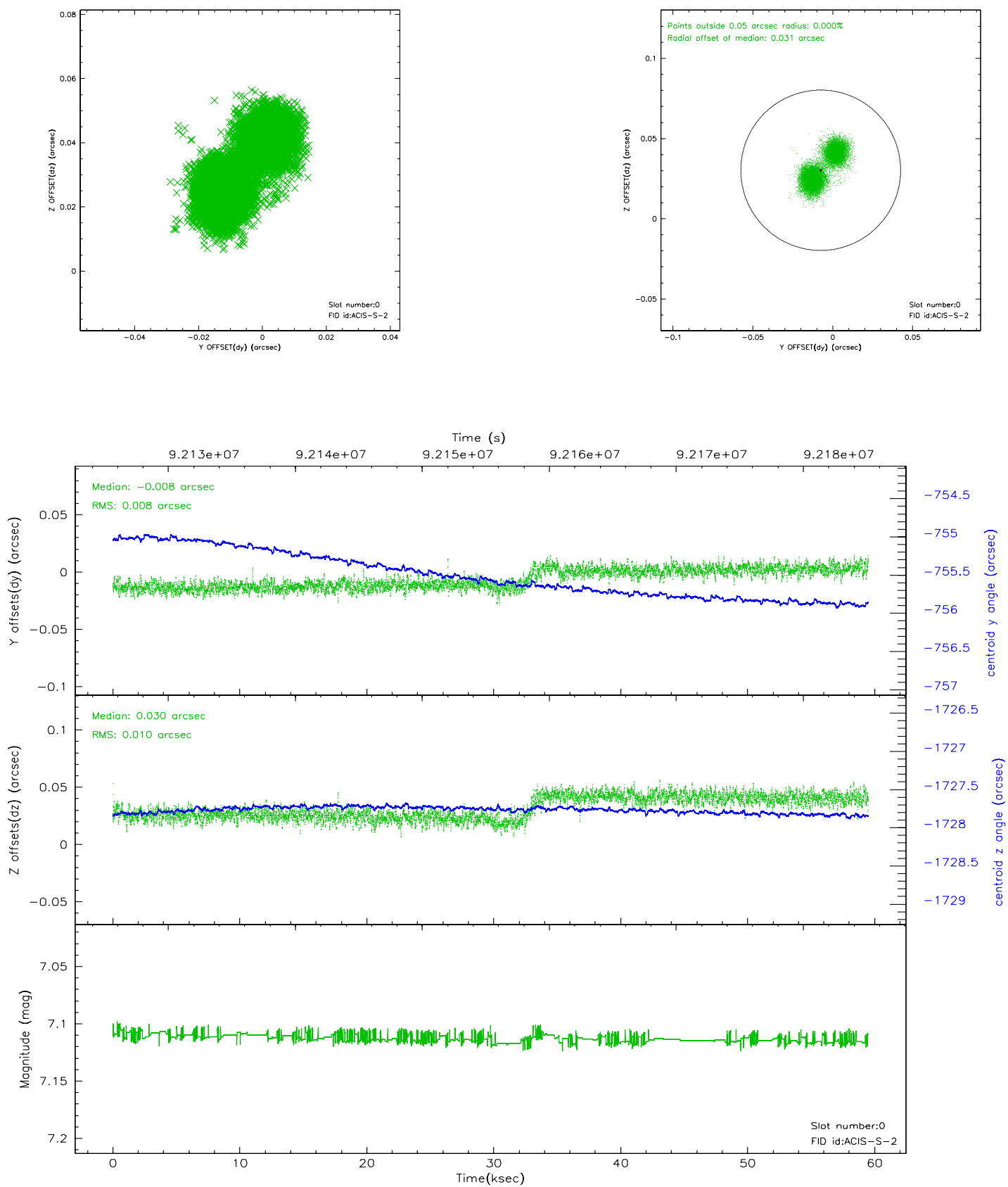


2.4.5 Slot 7

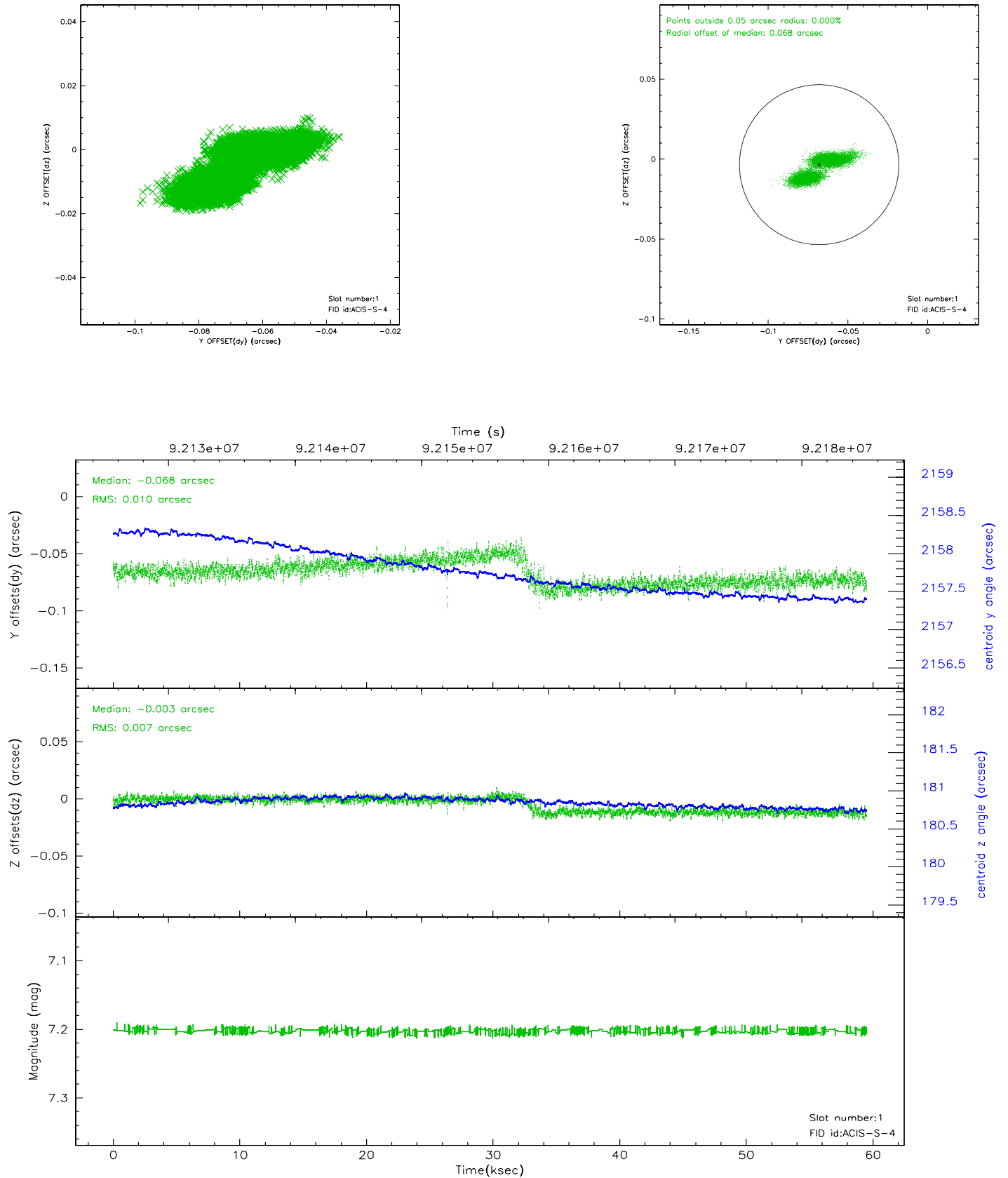


2.5 FID Slots

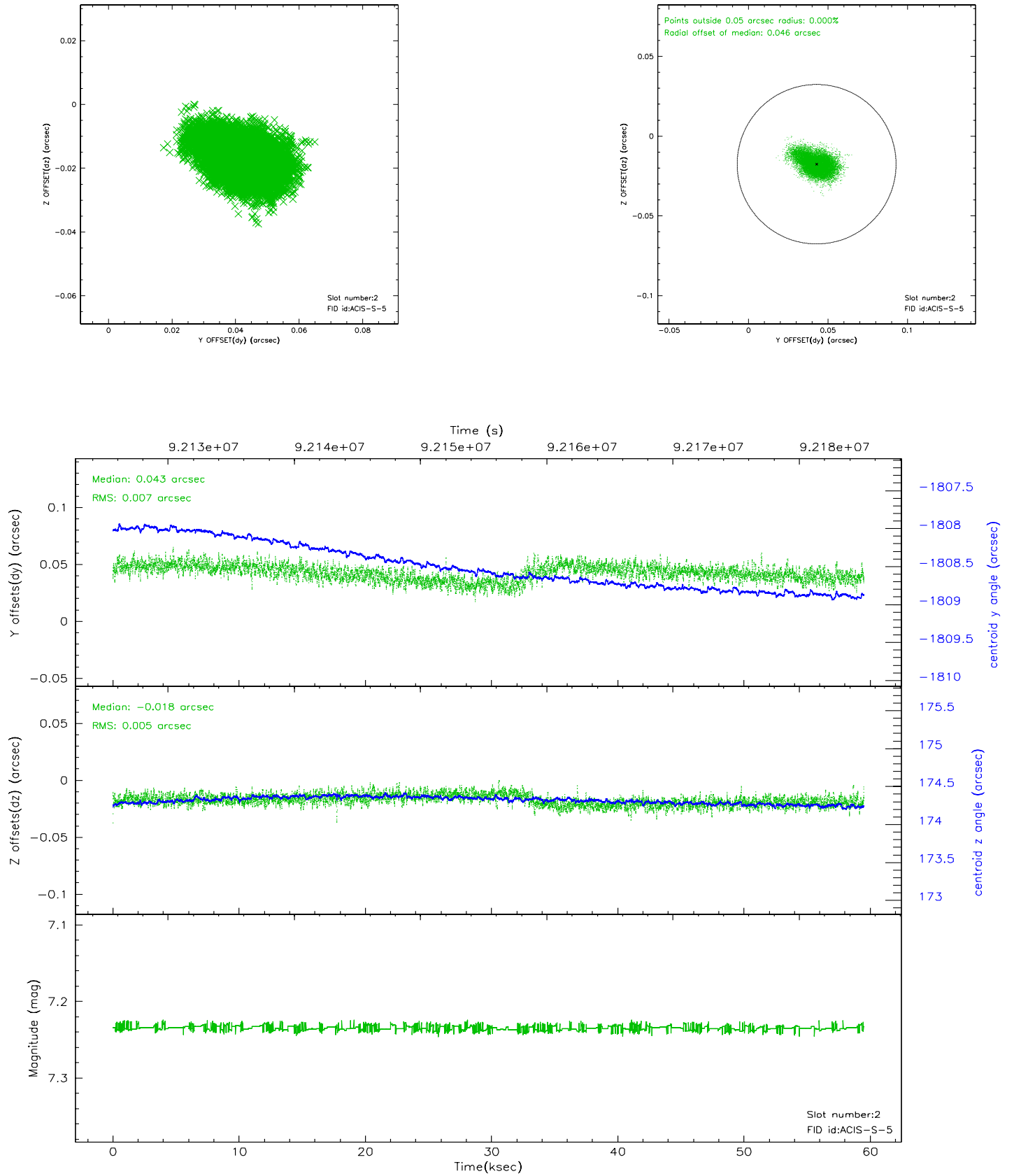
2.5.1 Slot 0



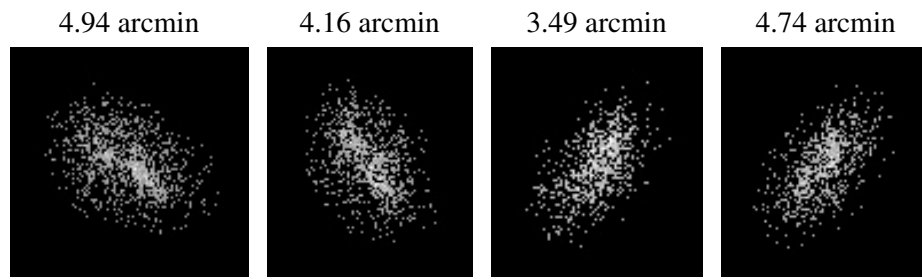
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	58.704

A.2 Comments

Roll constraint met.