

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1668 - L2 Version 001
Chandra X-Ray Center

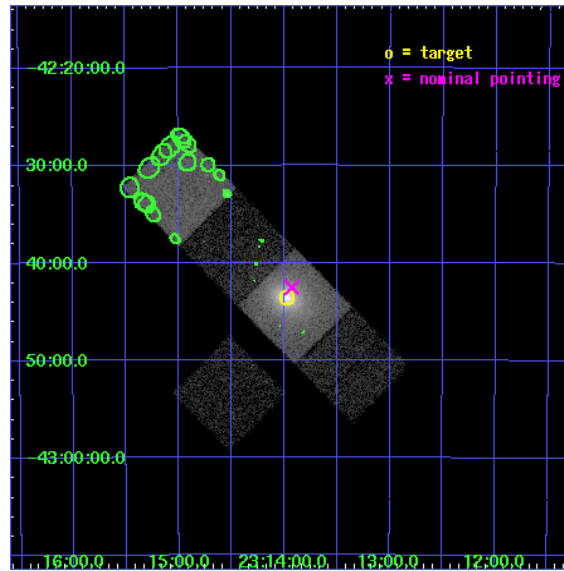
L2 Processing Date : Dec 19 2006

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

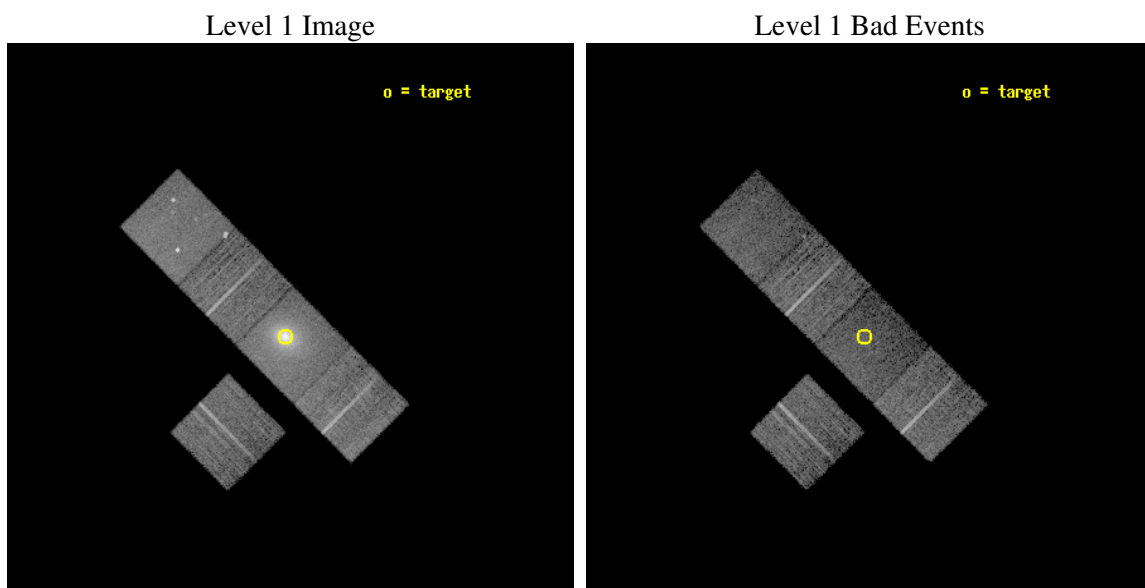
seq_num	800136
obs_id	1668
title	THE COOLING FLOW IN SERSIC 159-03
observer	Prof Andrew Fabian
object	SERSIC 159-03
dtcycle	0
cycle	P
ra_targ	348.492917
dec_targ	-42.726389
ra_nom	348.48208550418
dec_nom	-42.708916174791
roll_nom	45.219423454341
revision	2
ontime	10077.936089635
livetime	9946.2604353552
ontime3	10087.358990446
ontime5	10087.359010354
ontime6	10087.359010354
ontime7	10077.936089635
ontime8	10087.359030277
l2events	130318



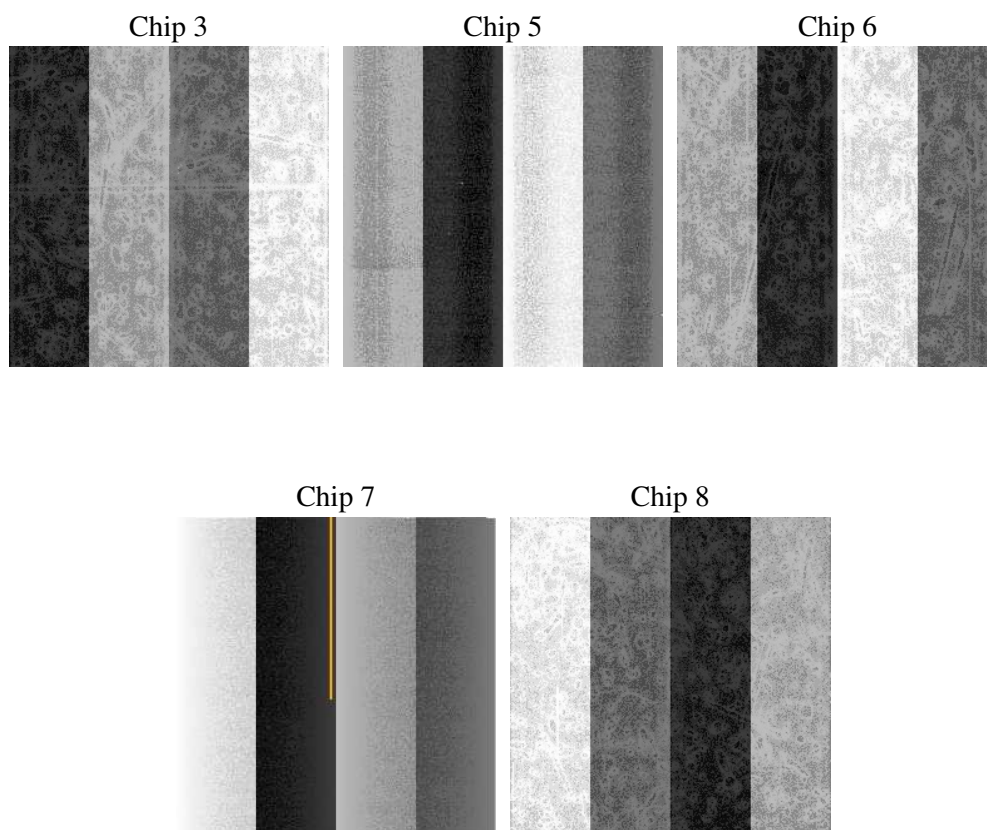
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-19T14:23:34
revision	2

sched_exp_time	10000.000000
ontime	10082.628556833
ontime3	10092.051437736
ontime5	10092.051477551
ontime6	10092.051477551
ontime7	10082.628556833
ontime8	10092.051477566
llevents	382662

2.1.4 Events

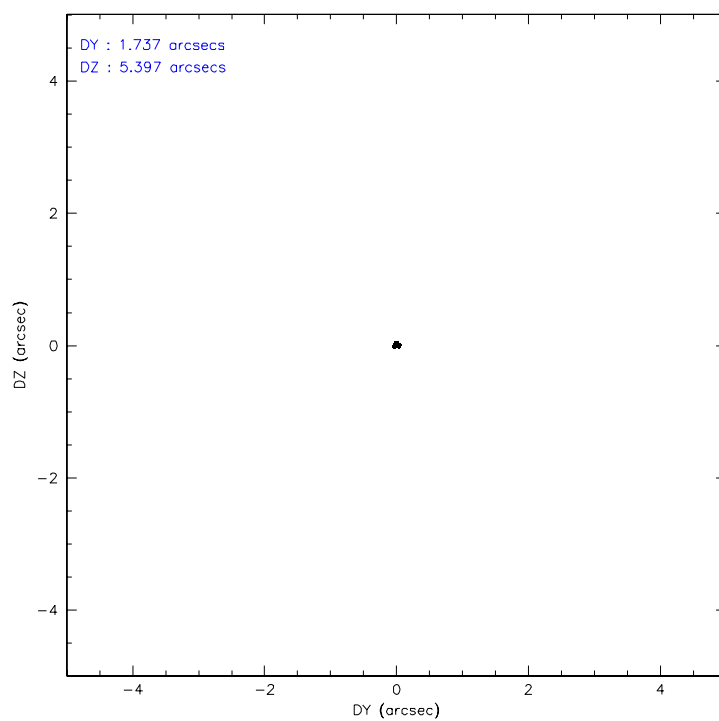
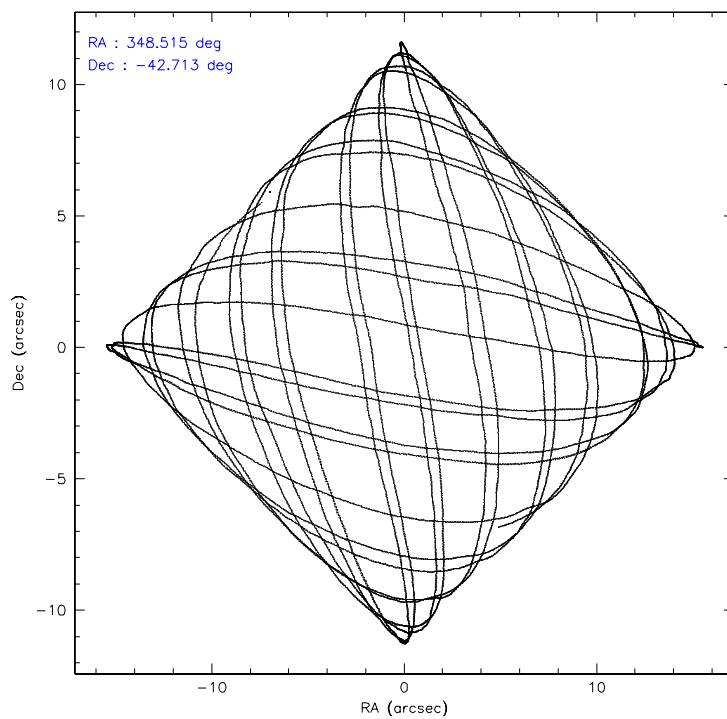
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	57229	74630	60773	117006	73024
rejected events	52132	37794	53440	35105	56705
rejected %	91%	50%	87%	30%	77%

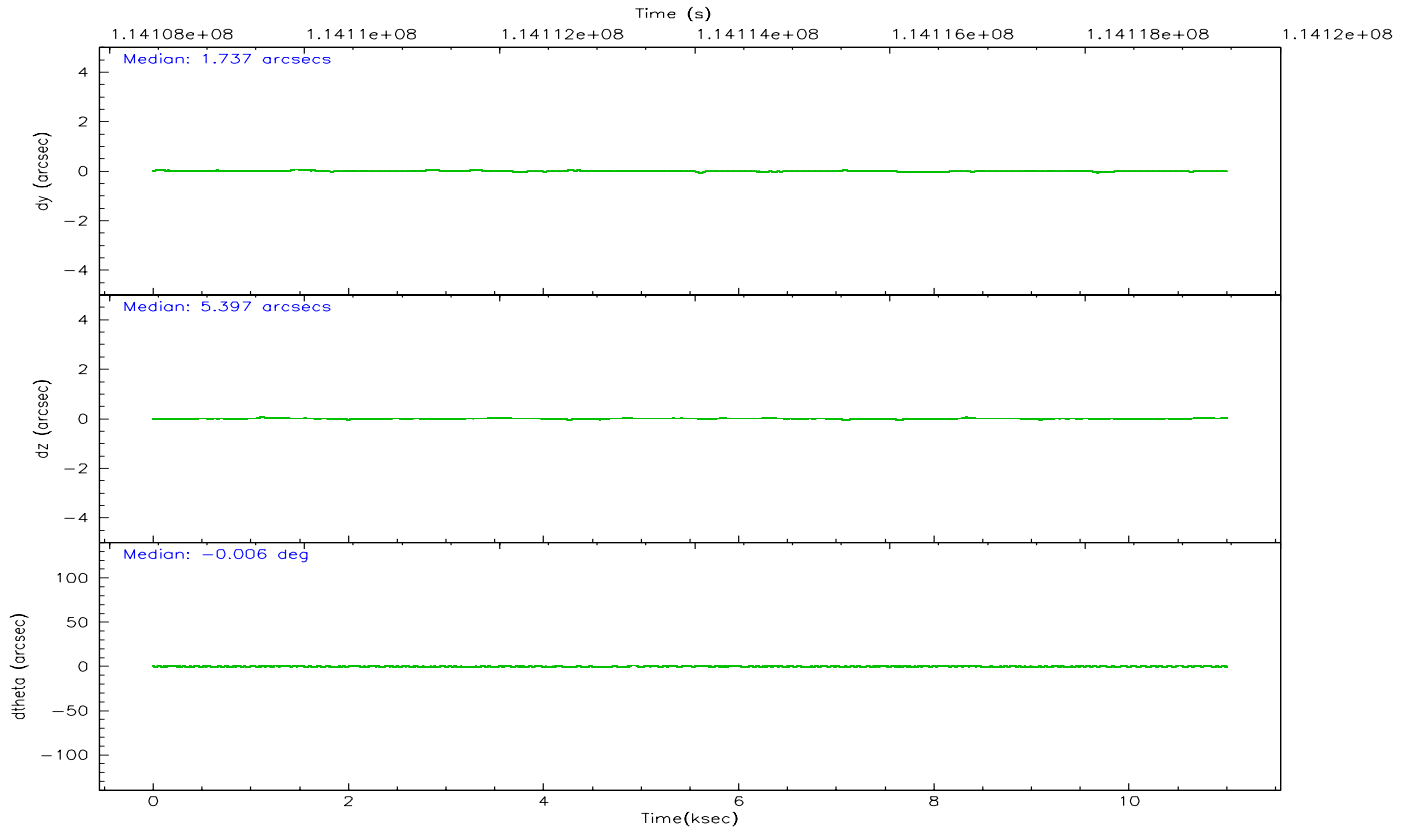
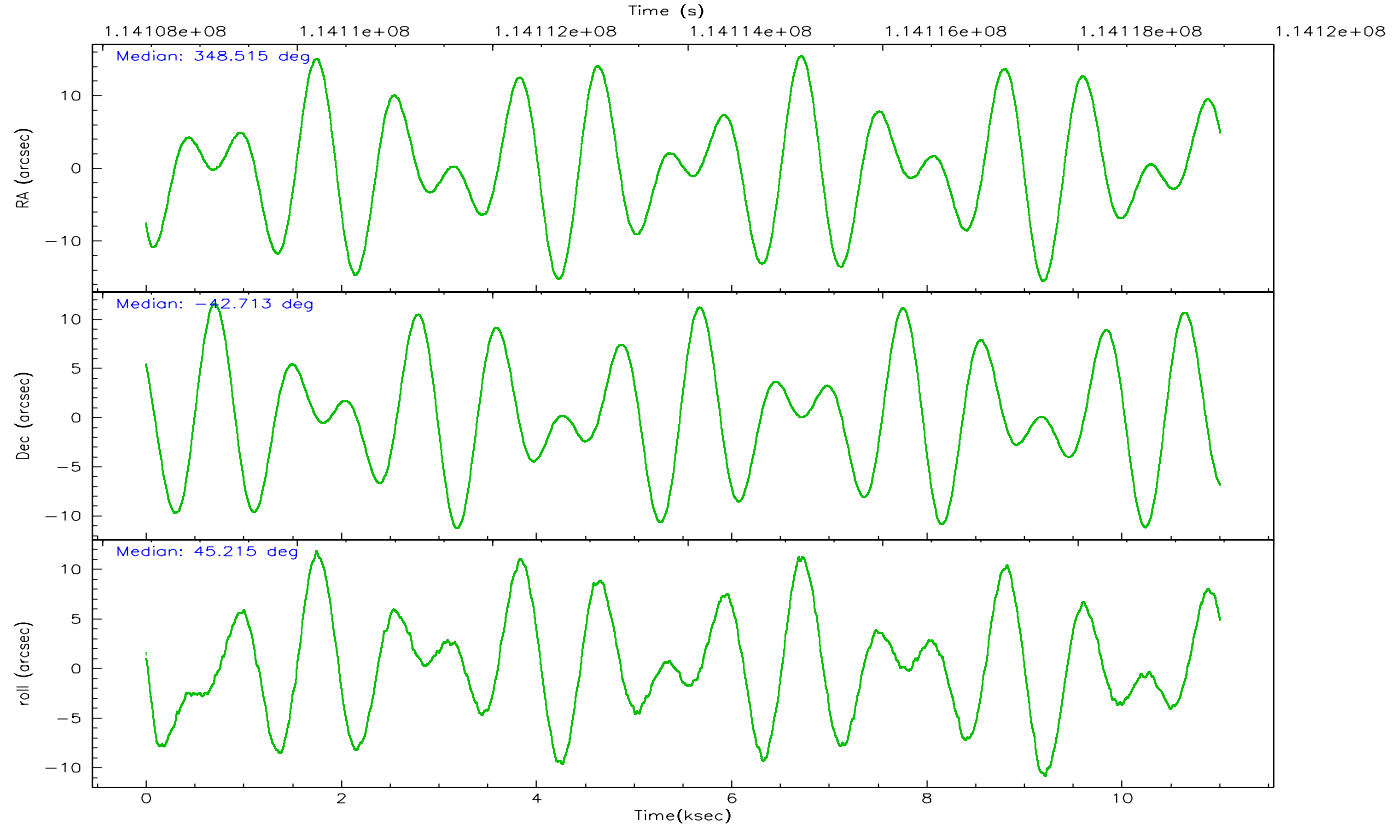
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1859	4873	3507	20494	5136
	3%	6%	5%	17%	7%
grade 1 events	23	188	27	31	42
	0%	0%	0%	0%	0%
grade 2 events	1014	10851	1281	21721	3287
	1%	14%	2%	18%	4%
grade 3 events	605	991	708	7953	1992
	1%	1%	1%	6%	2%
grade 4 events	604	999	663	7740	1836
	1%	1%	1%	6%	2%
grade 5 events	1878	3904	2080	4919	2791
	3%	5%	3%	4%	3%
grade 6 events	1022	19144	1179	24046	4071
	1%	25%	1%	20%	5%
grade 7 events	50224	33680	51328	30102	53869
	87%	45%	84%	25%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	348.505448	348.4820855041826	Subarray requested	NONE	NONE
Pointing Dec	-42.739341	-42.70891617479074	Alternating exposures requested	N	N
Pointing Roll	45.060854	45.21942345434132	Primary exposure time	0.000000	3.1
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	114109454.184000	114108080.85475			
Observation start date	2001-08-13T17:03:10	2001-08-13T16:41:20			
Observation end time	114119454.184000	114120152.79273			
Observation end date	2001-08-13T19:49:50	2001-08-13T20:02:32			
Read mode	TIMED	TIMED			

2.3 Aspect



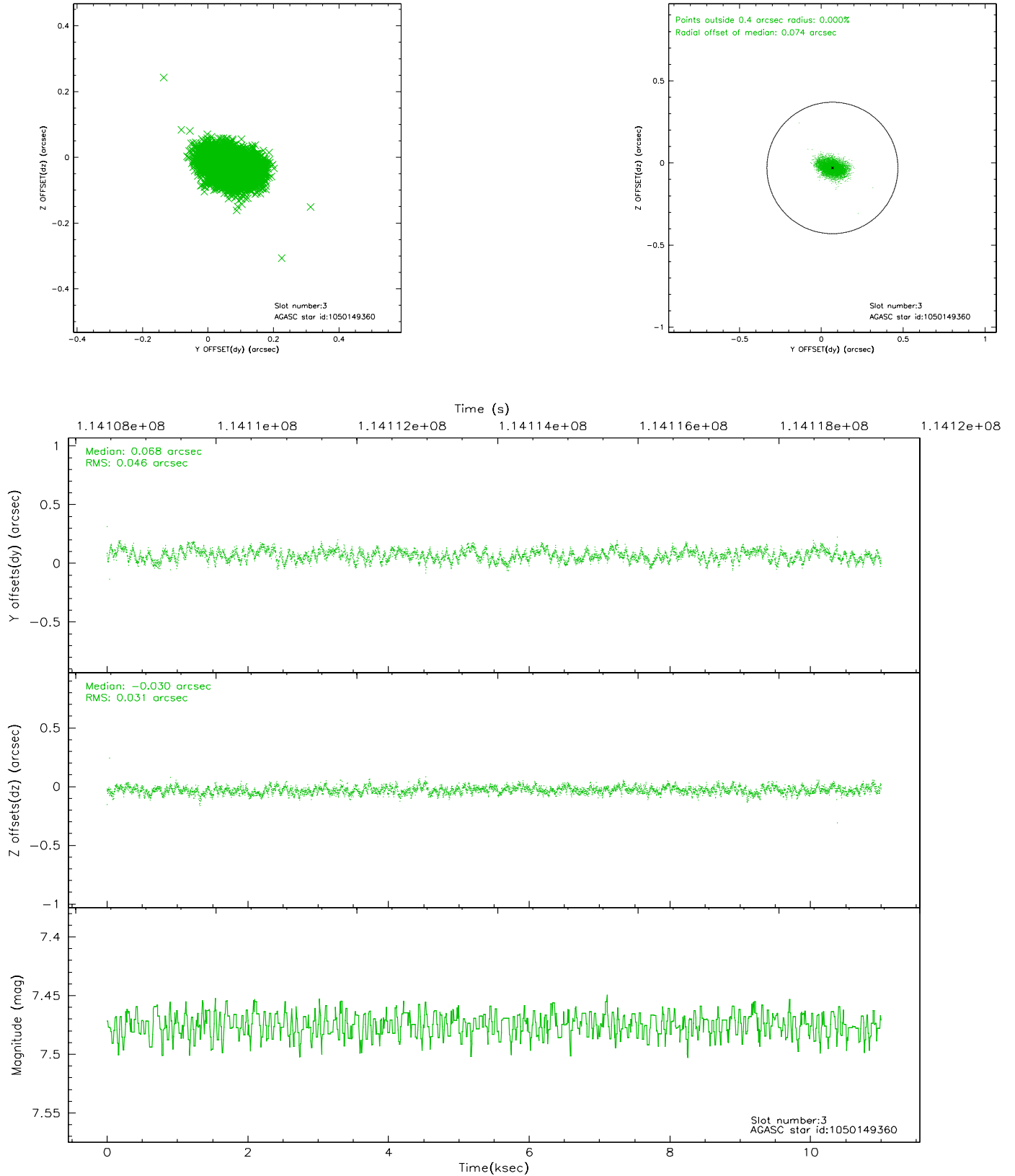


Slot Statistics

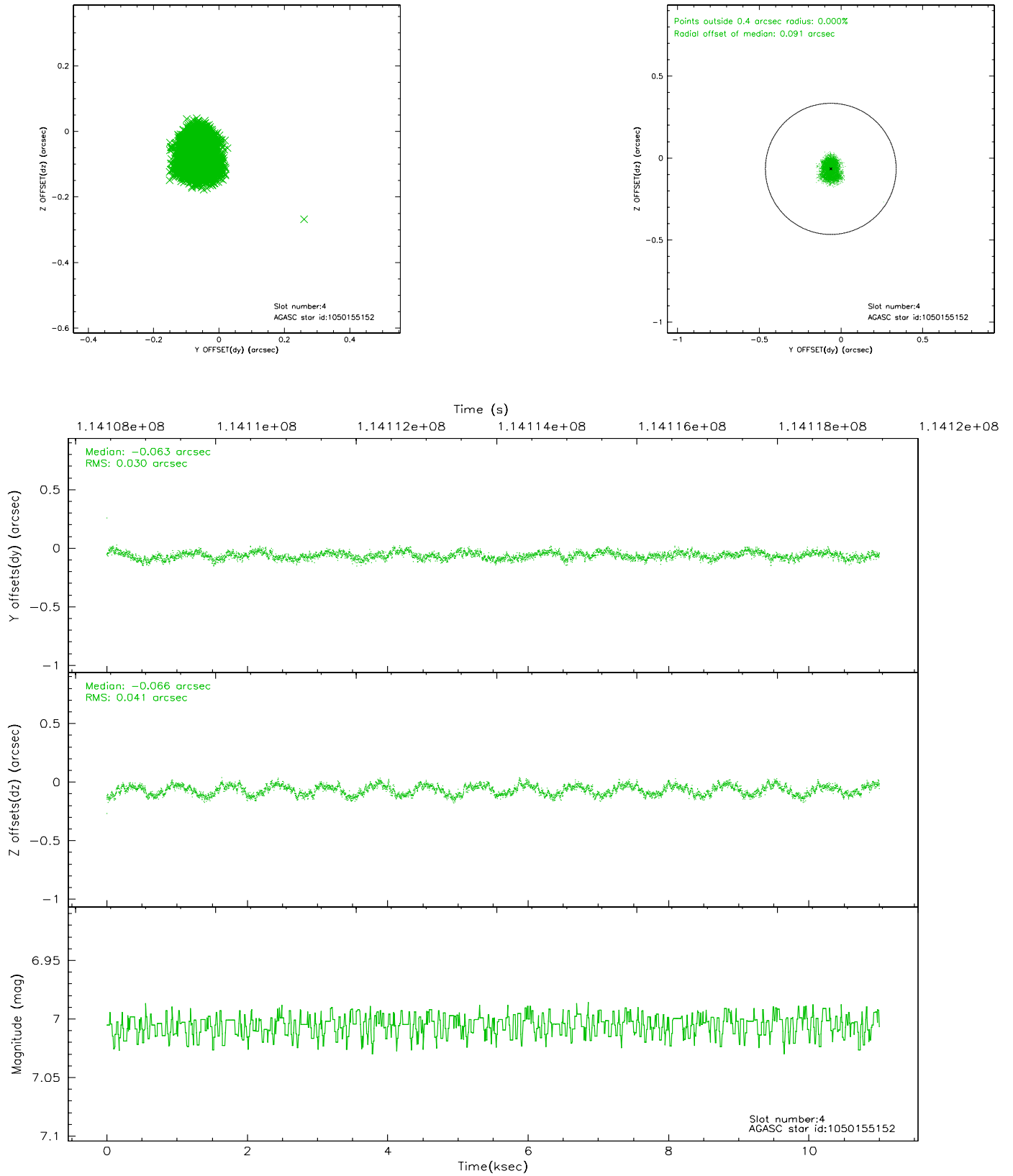
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	2684	-0.039	0.024	0.006	0.011	0.000000	0.000000	941.67	-1722.12
1	FID	ACIS-S-5	7.24	2682	0.044	-0.012	0.006	0.010	0.000000	0.000000	-1807.00	174.90
2	FID	ACIS-S-6	7.35	2683	-0.027	0.000	0.007	0.011	0.000000	0.000000	406.71	819.42
3	GUIDE	1050149360	7.47	5368	0.068	-0.030	0.058	0.095	347.580087	-42.753657	-1773.86	1685.95
4	GUIDE	1050155152	7.00	5370	-0.063	-0.066	0.056	0.082	347.838008	-42.977731	-1854.48	633.82
5	GUIDE	1050149120	9.14	5368	0.013	0.026	0.077	0.123	348.946168	-42.587694	1209.23	-442.46
6	GUIDE	1050152160	9.31	5371	-0.050	0.057	0.156	0.227	348.746192	-43.299080	-980.91	-1870.03
7	GUIDE	1050158072	9.11	5370	0.041	0.015	0.069	0.110	348.738453	-42.733577	449.34	-421.70

2.4 Star Slots

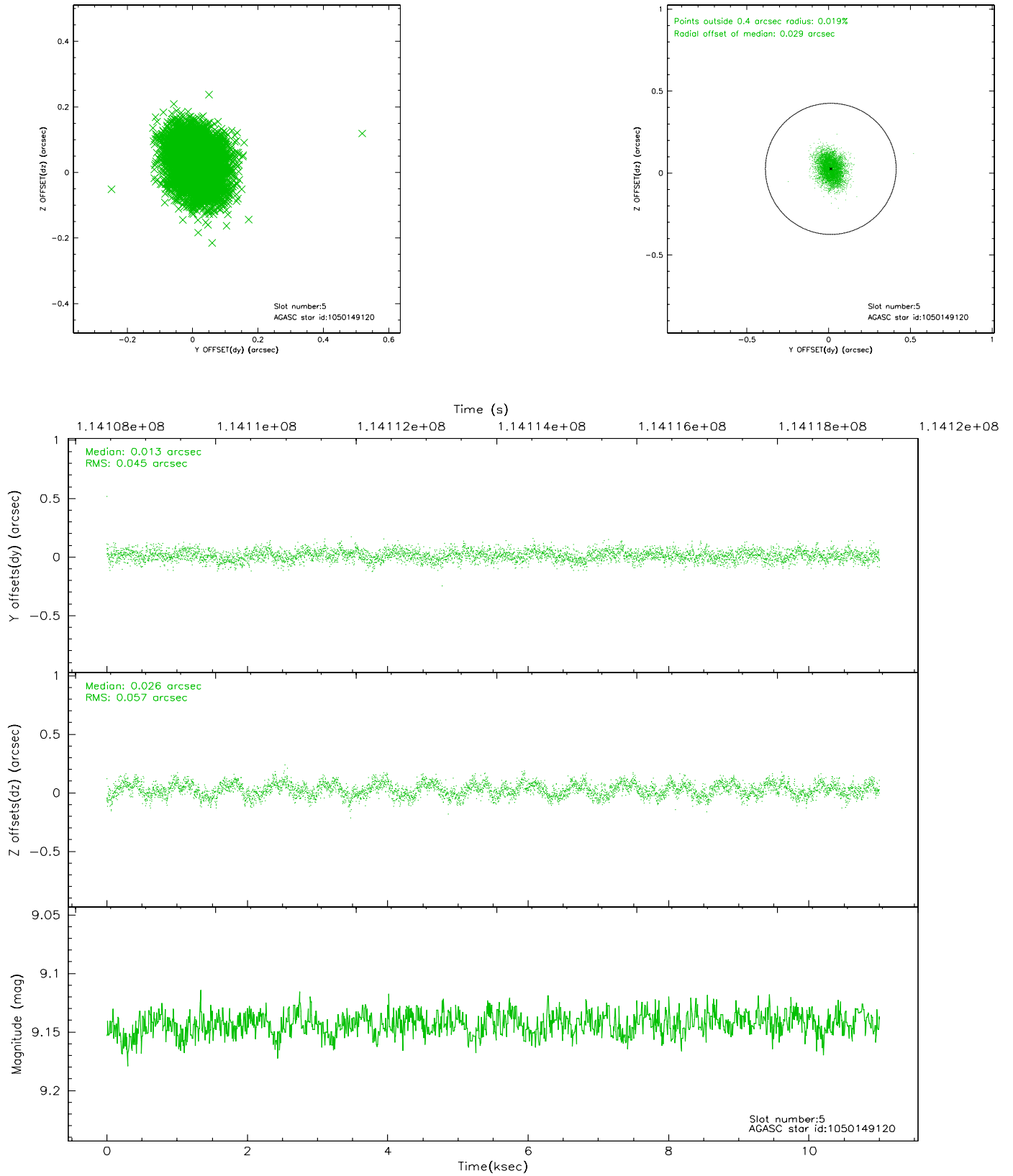
2.4.1 Slot 3



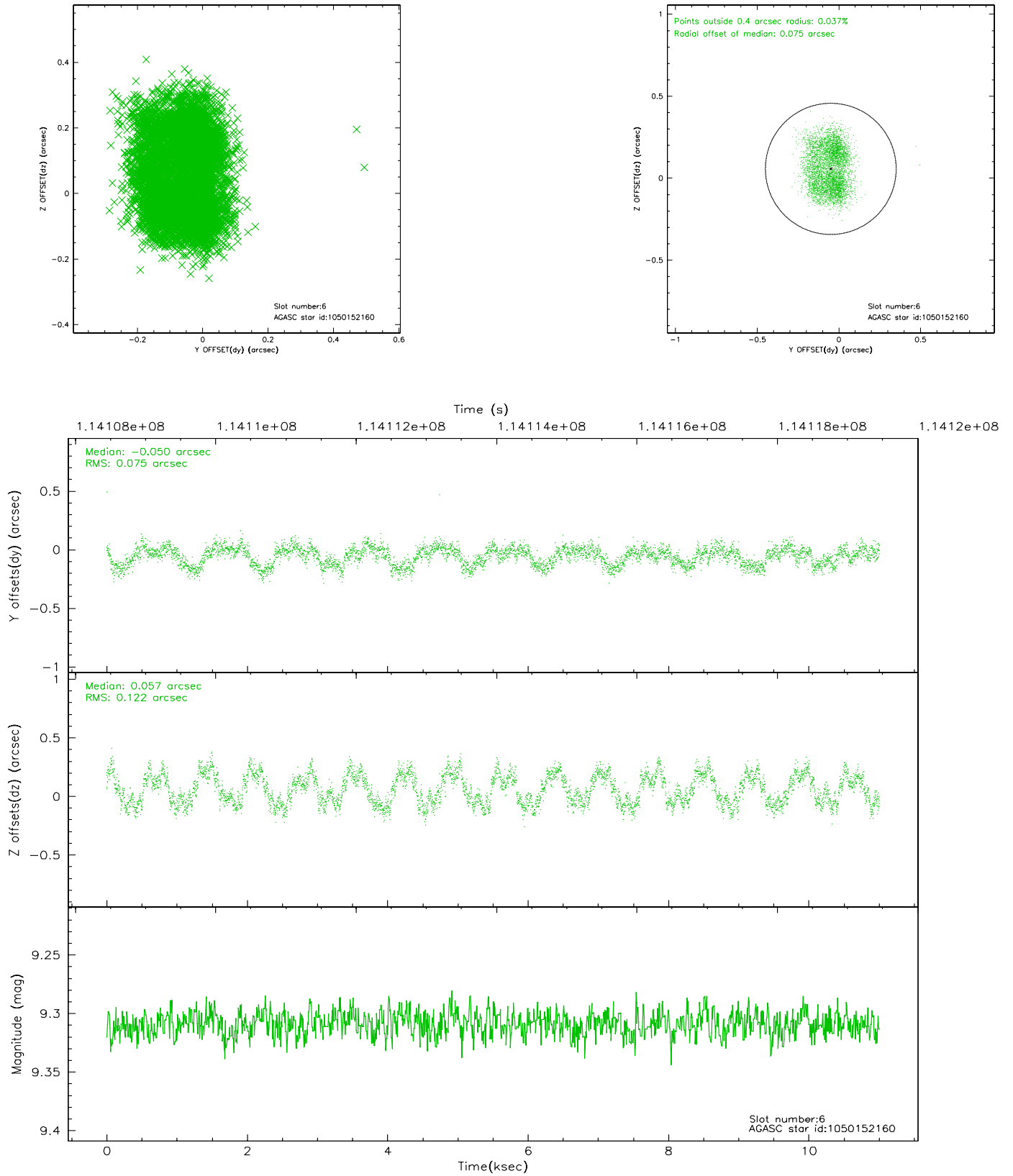
2.4.2 Slot 4



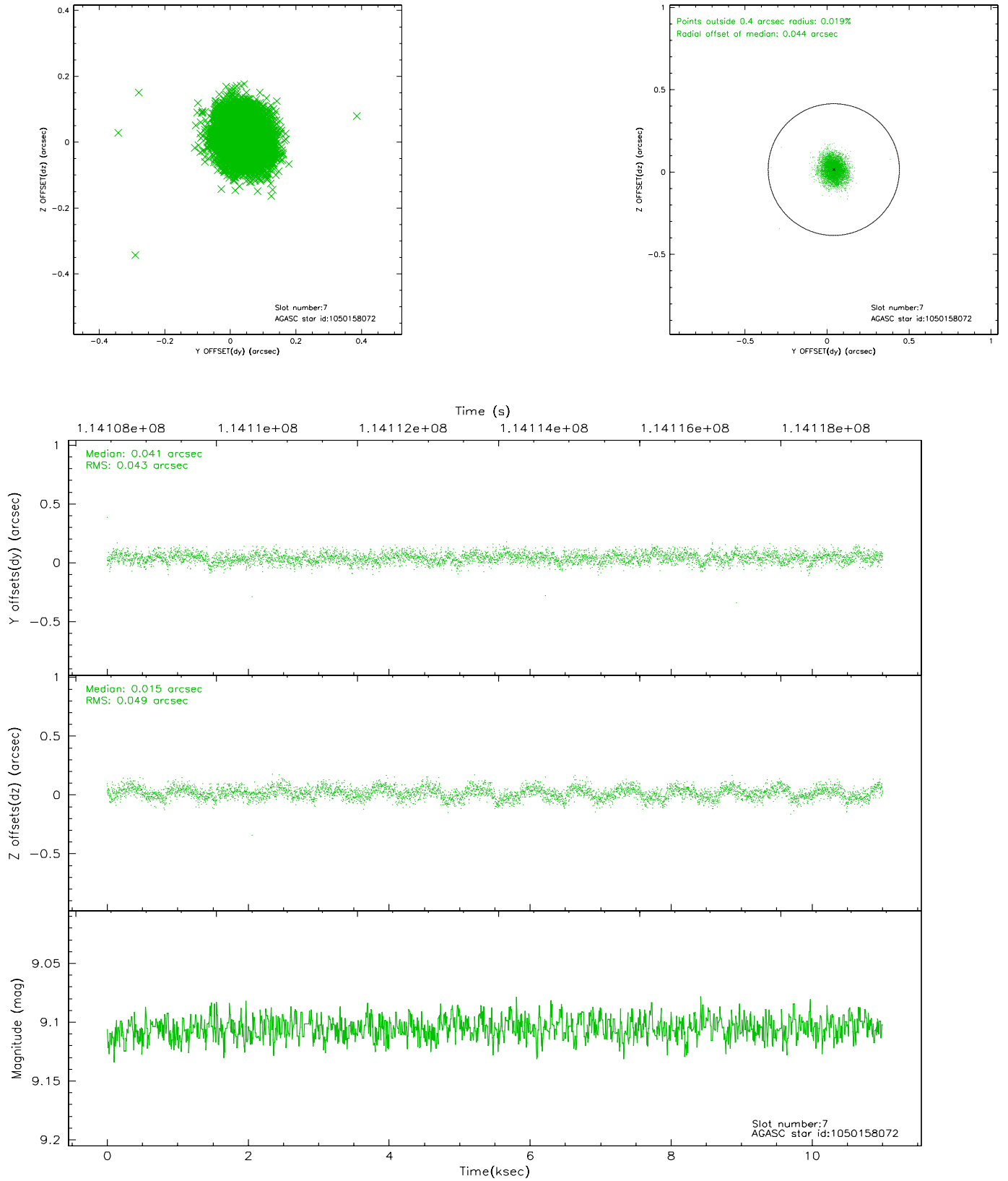
2.4.3 Slot 5



2.4.4 Slot 6

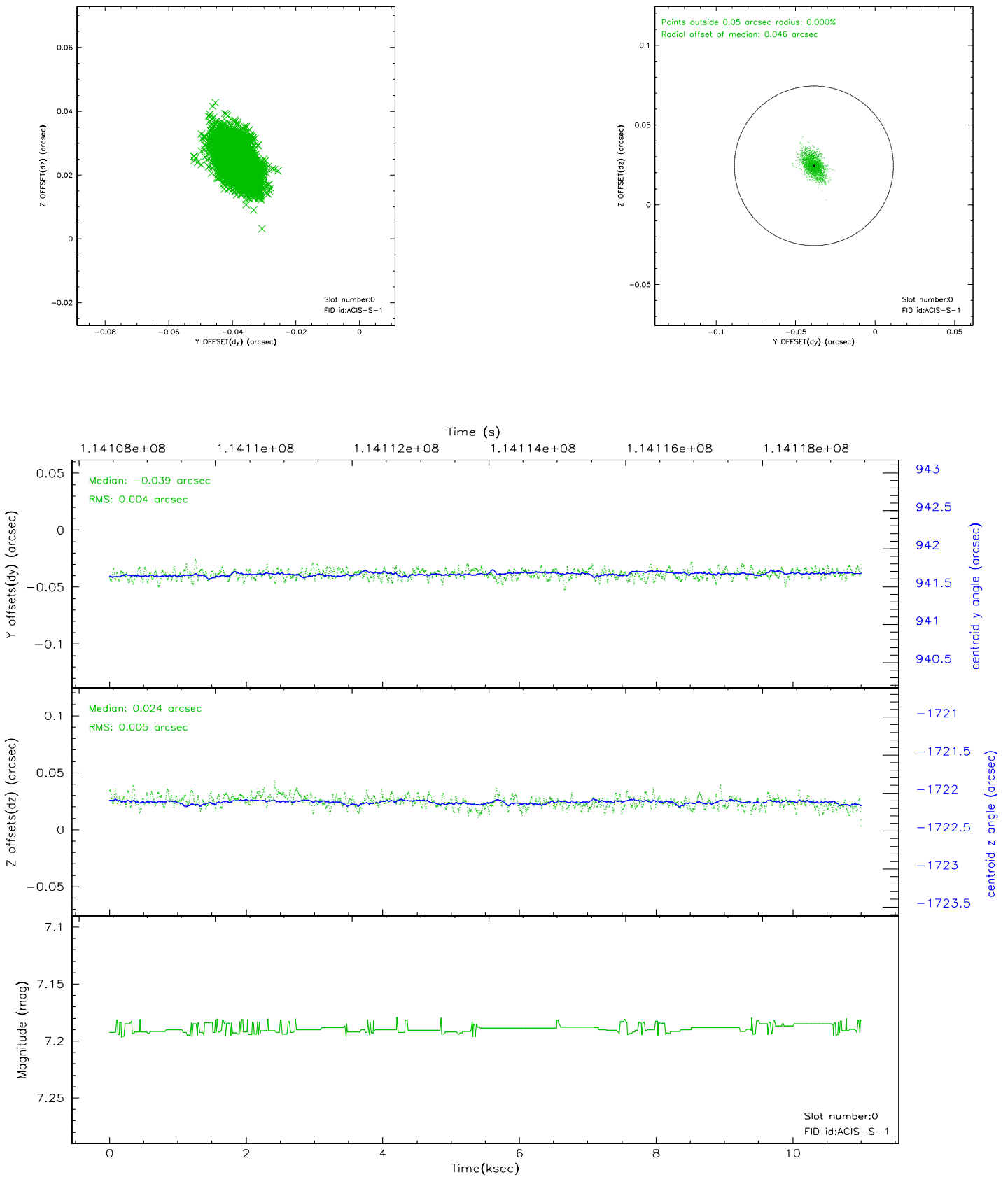


2.4.5 Slot 7

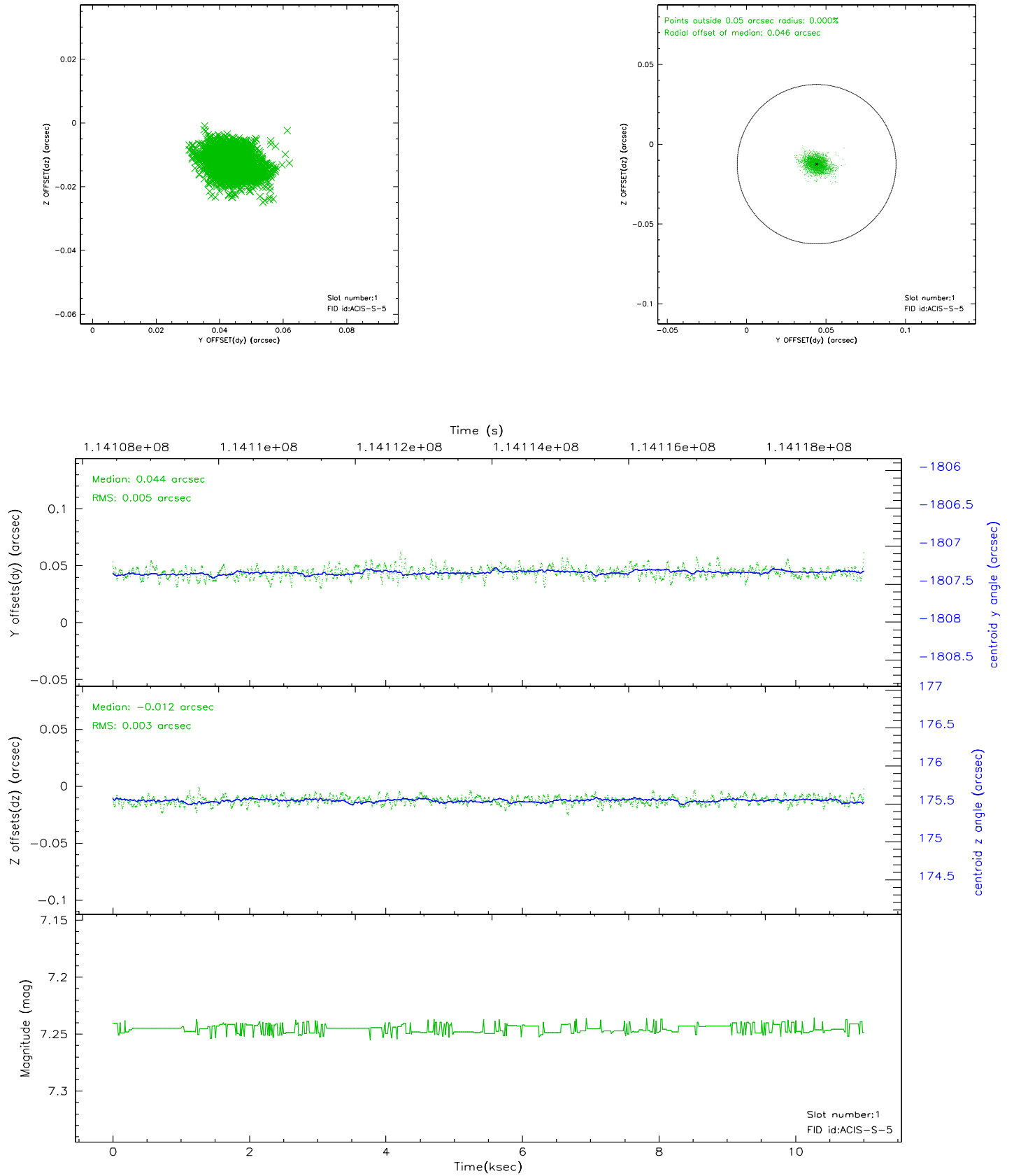


2.5 FID Slots

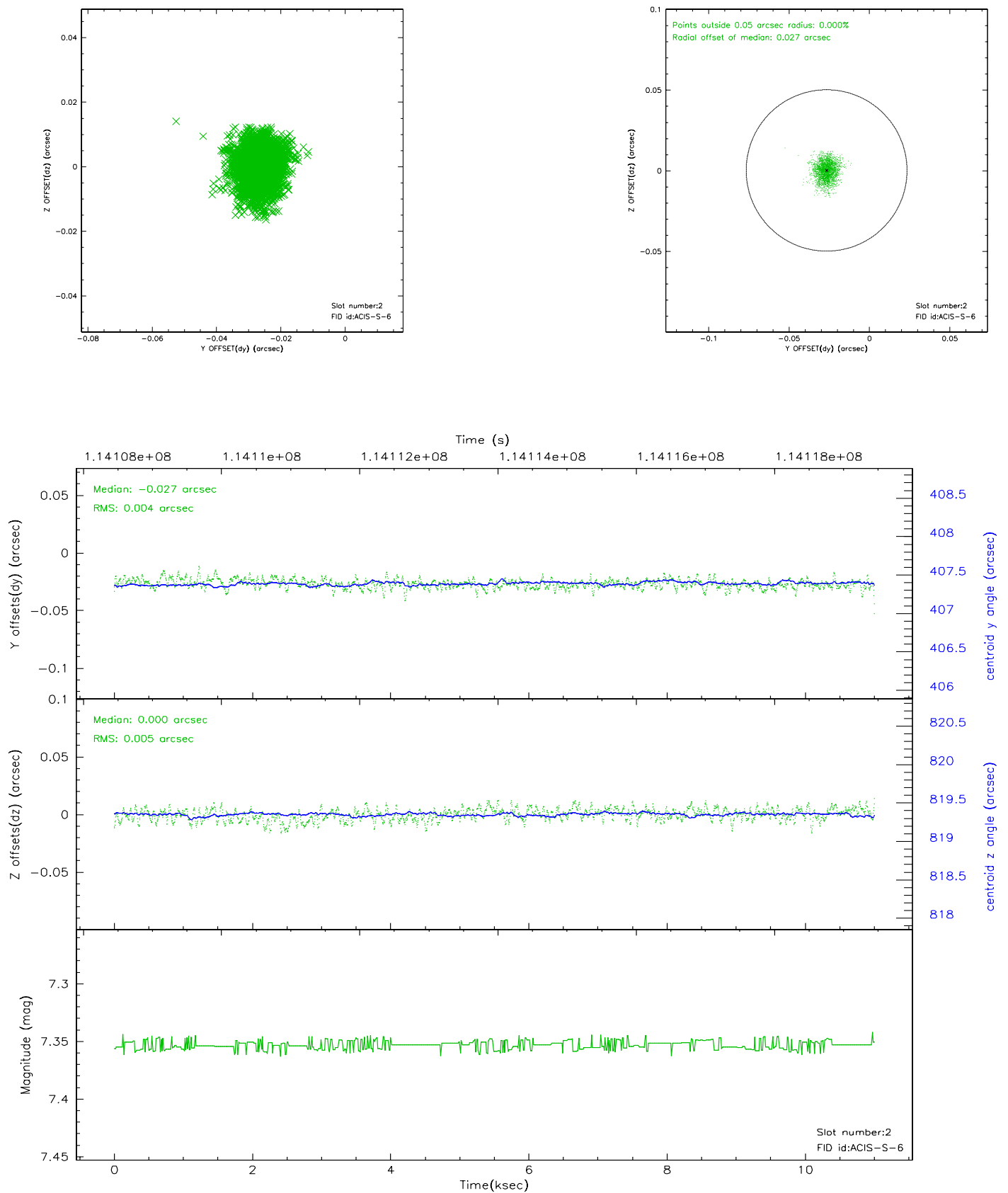
2.5.1 Slot 0



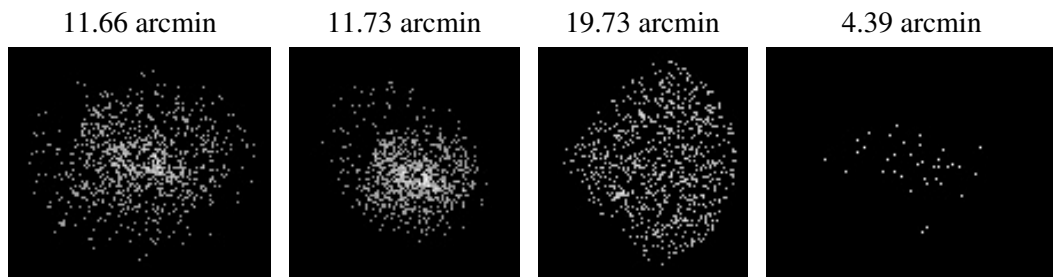
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2008.06.06
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	10.081

A.2 Comments