

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6139 - L2 Version 001
Chandra X-Ray Center

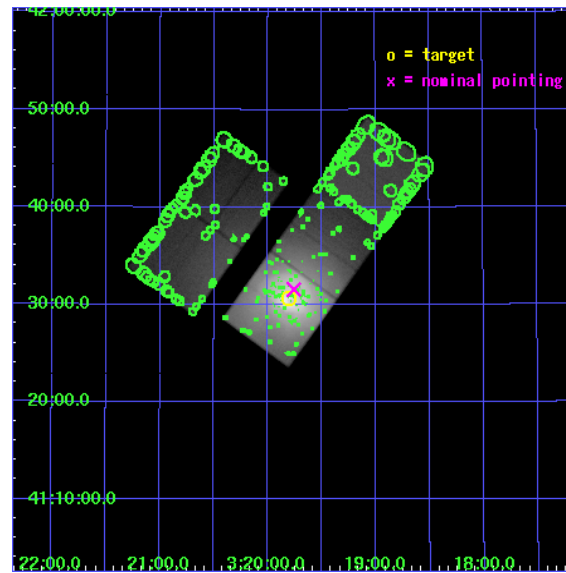
L2 Processing Date : Apr 17 2006

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

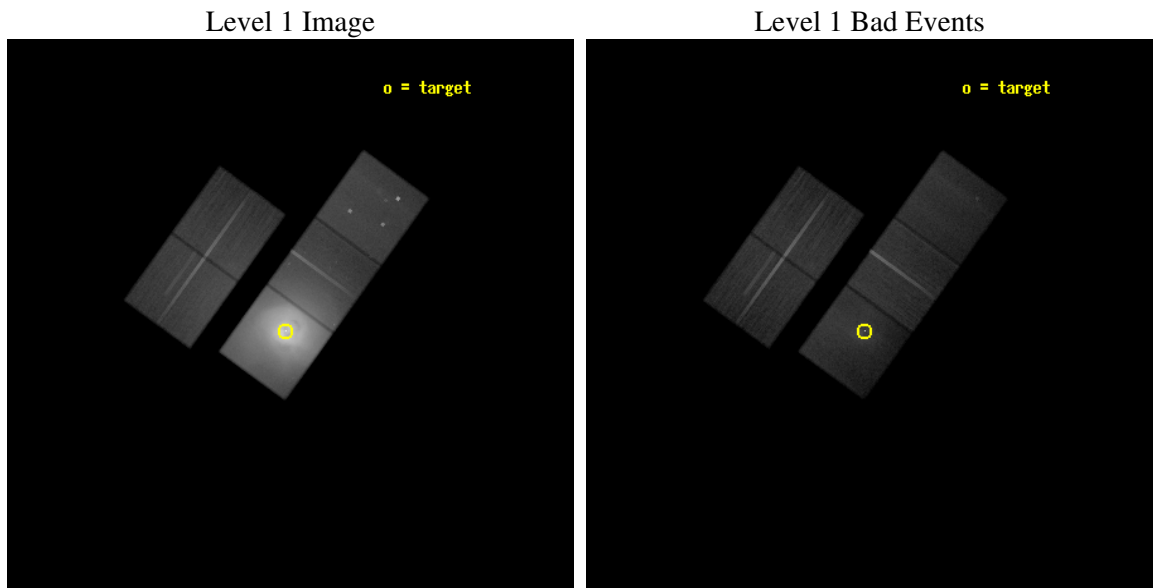
seq_num	800397
obs_id	6139
title	A Megasecond Image of the Core of the Perseus Cluster
observer	Prof Andrew Fabian
object	Abell 426
dtcycle	0
cycle	P
ra_targ	49.950833
dec_targ	41.511722
ra_nom	49.939764226305
dec_nom	41.52608106926
roll_nom	125.90768761917
revision	2
ontime	57173.176909477
livetime	56426.167262874
ontime2	57179.45890981
ontime3	57166.894958794
ontime5	57179.45890981
ontime6	57176.317909658
ontime7	57173.176909477
l2events	5601462



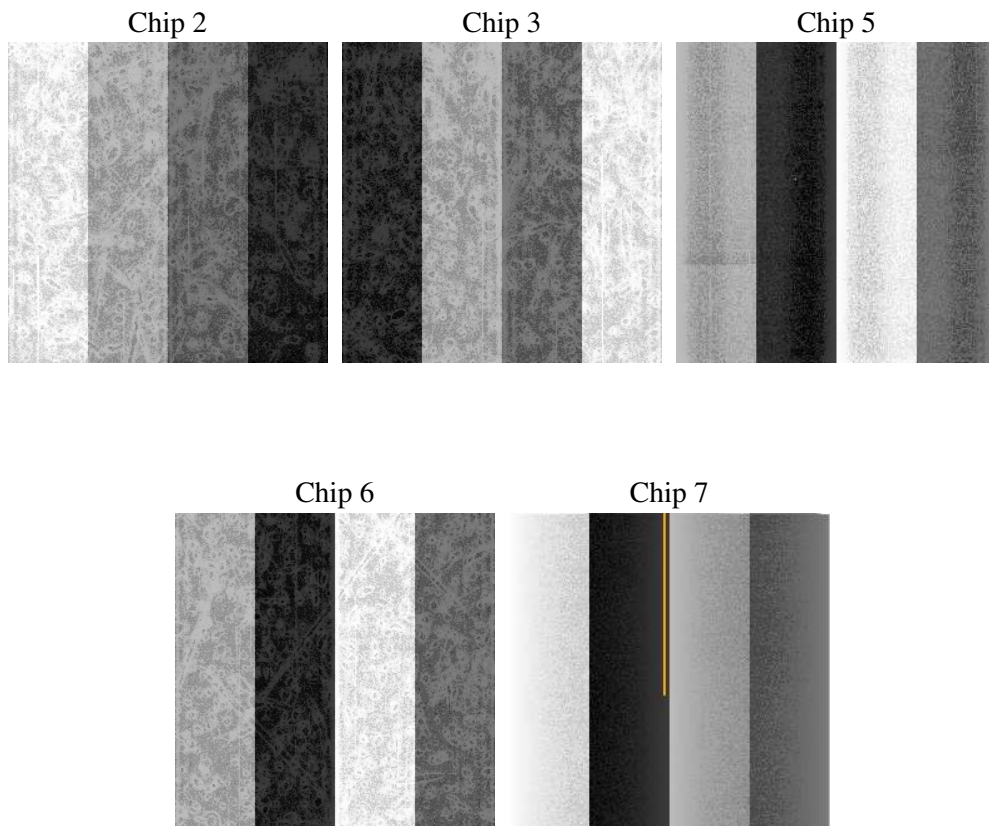
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-17T00:04:45
revision	2

sched_exp_time	57144.035000
ontime	57175.832205027
ontime2	57182.11420536
ontime3	57169.550254345
ontime5	57182.11420536
ontime6	57178.973205209
ontime7	57175.832205027
l1events	7354526

2.1.4 Events

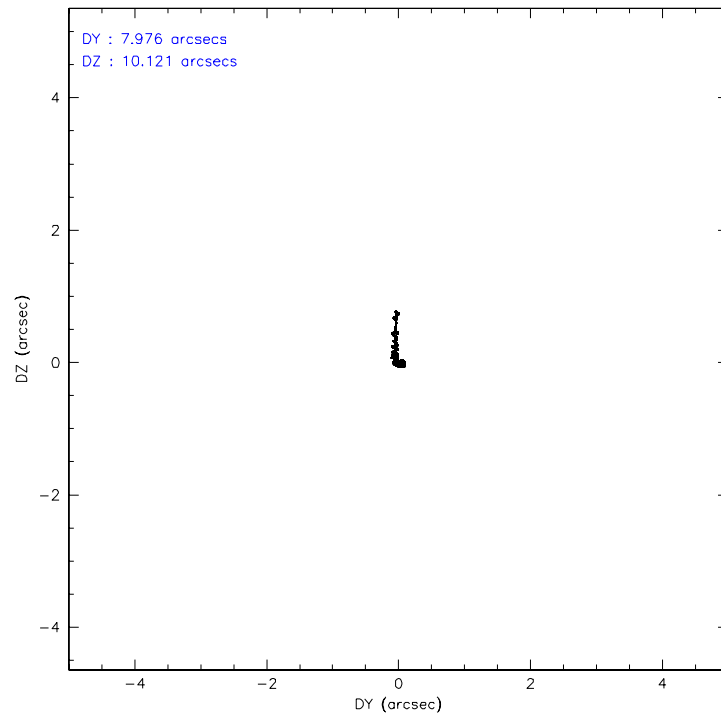
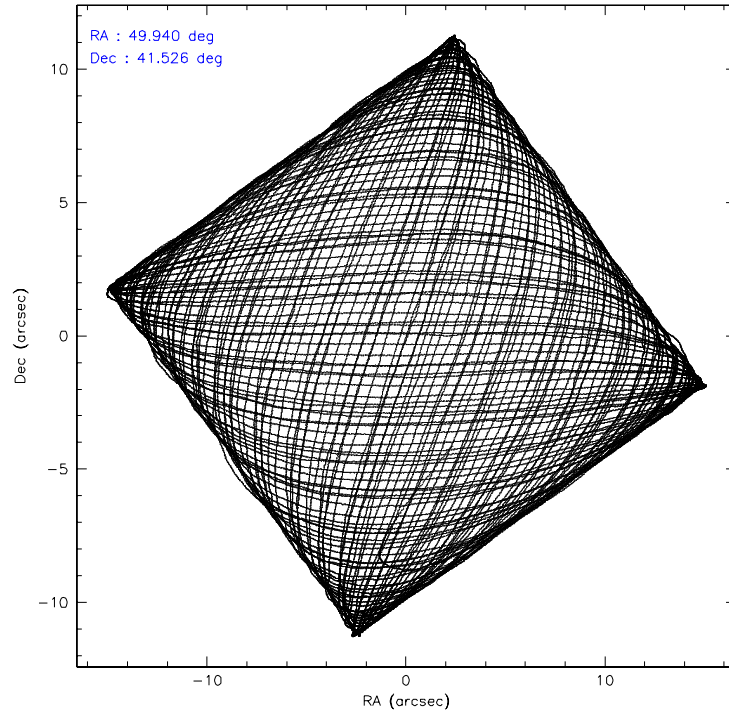
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	520272	601537	602777	950100	4679840
rejected events	354448	342923	267293	353861	313609
rejected %	68%	57%	44%	37%	6%

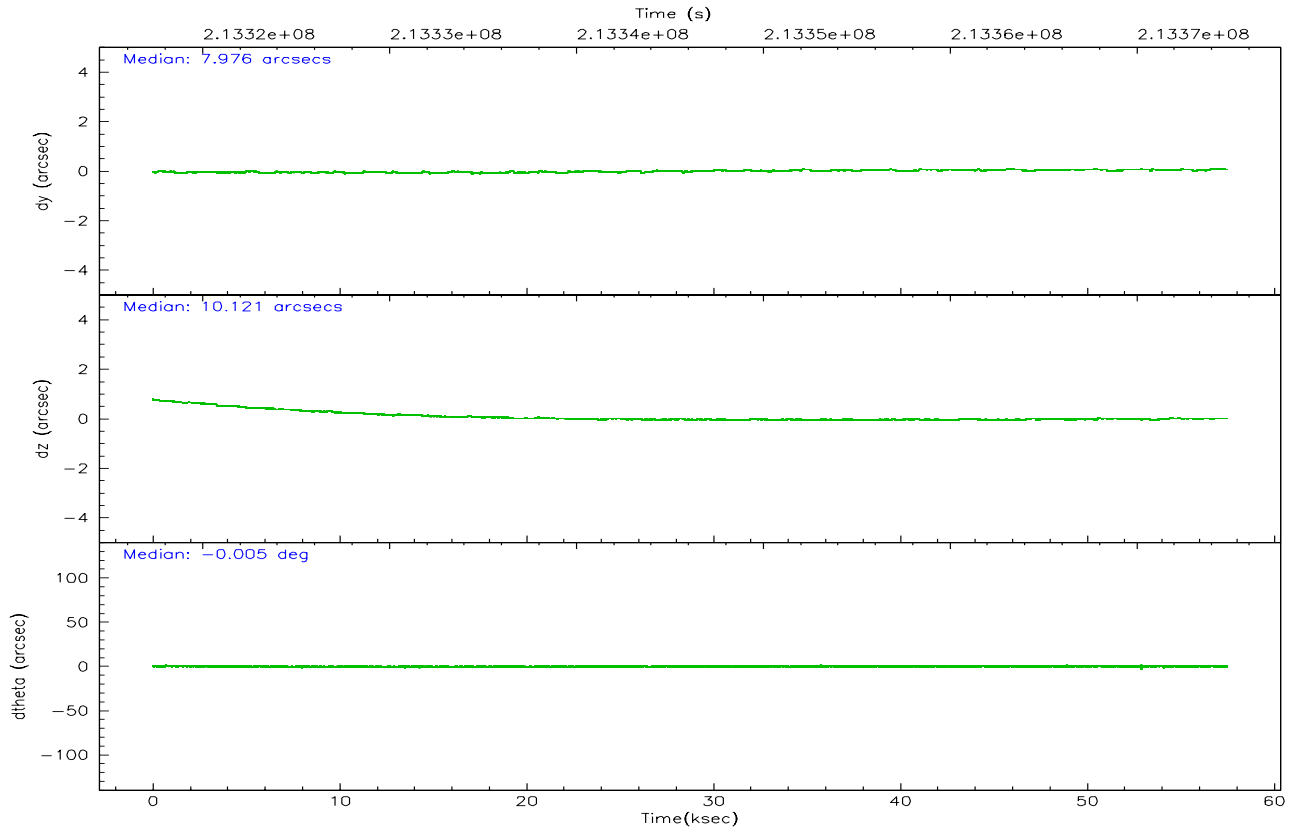
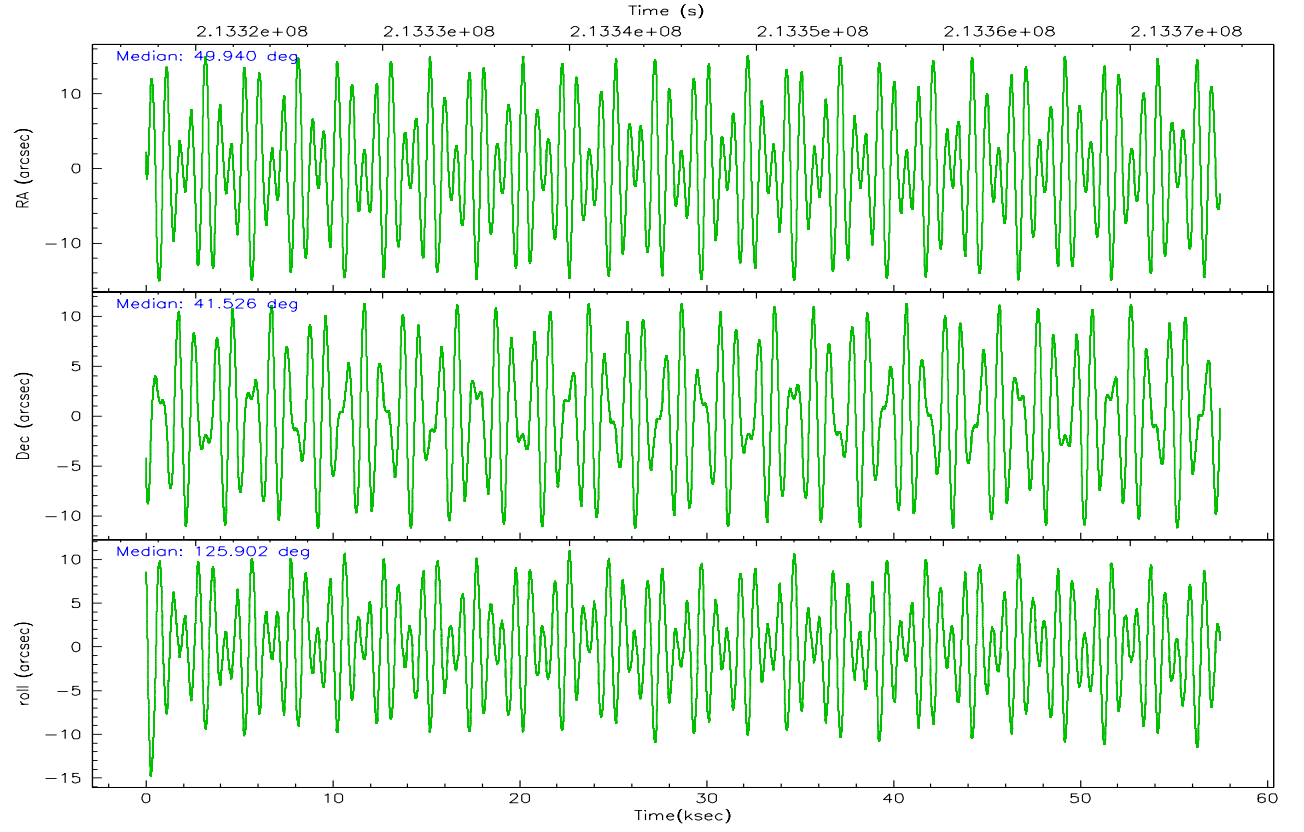
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	118233	193574	45973	462444	1068361
	22%	32%	7%	48%	22%
grade 1 events	777	1125	465	2096	2753
	0%	0%	0%	0%	0%
grade 2 events	21480	30263	113293	66084	1255425
	4%	5%	18%	6%	26%
grade 3 events	8220	11120	11964	21749	471078
	1%	1%	1%	2%	10%
grade 4 events	8091	11228	11529	21740	460451
	1%	1%	1%	2%	9%
grade 5 events	12788	15134	27611	16641	63803
	2%	2%	4%	1%	1%
grade 6 events	9811	12438	152743	24260	1111637
	1%	2%	25%	2%	23%
grade 7 events	340872	326655	239199	335086	246332
	65%	54%	39%	35%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	49.973146	49.93976422630536	Alternating exposures requested	N	N
Pointing Dec	41.515323	41.52608106925954	Primary exposure time	0.000000	3.1
Pointing Roll	125.728929	125.9076876191678			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	213317681.184000	213316677.2955			
Observation start date	2004-10-04T22:53:37	2004-10-04T22:37:57			
Observation end time	213374825.184000	213375051.04811			
Observation end date	2004-10-05T14:46:01	2004-10-05T14:50:51			
Read mode	TIMED	TIMED			

2.3 Aspect



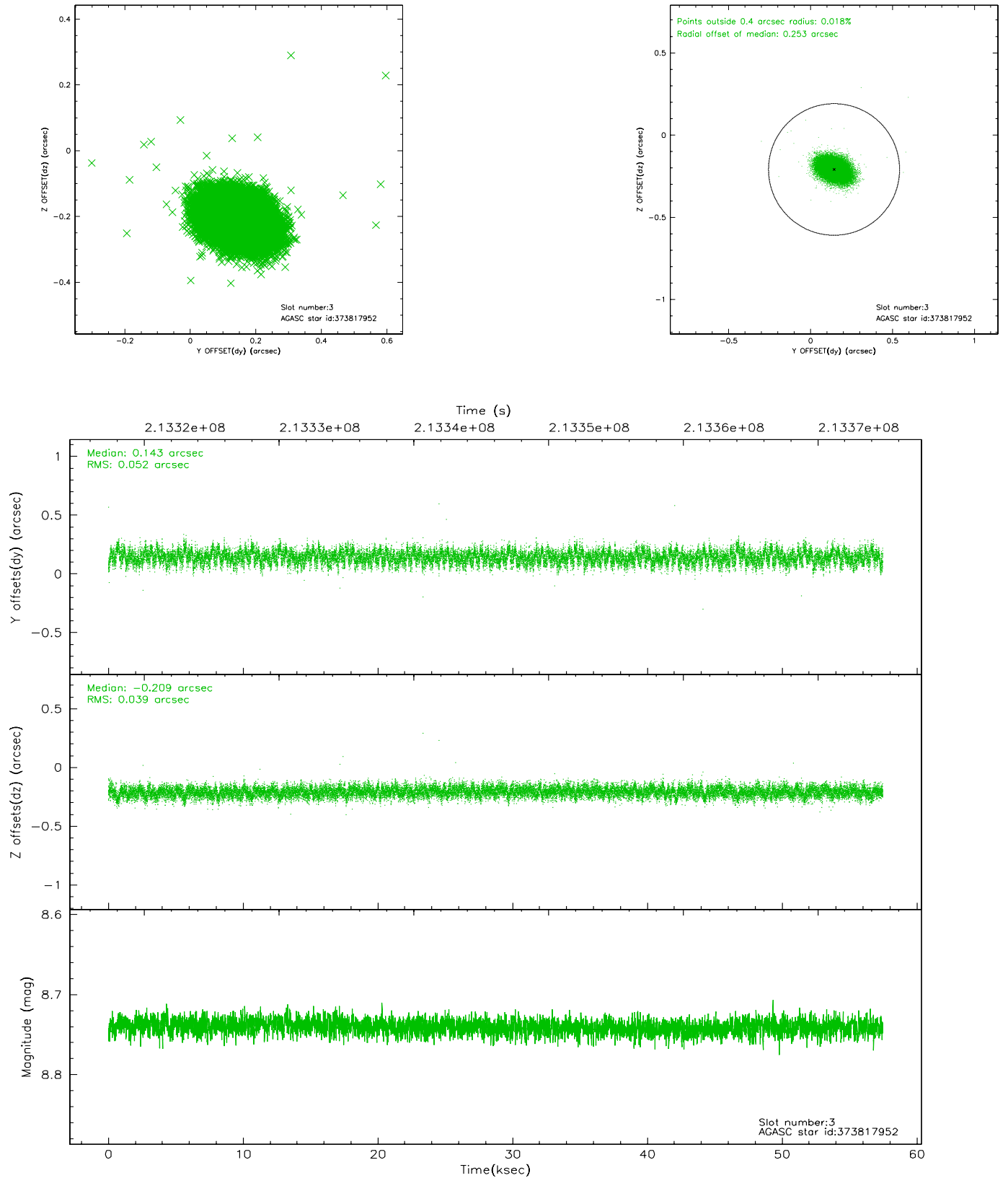


Slot Statistics

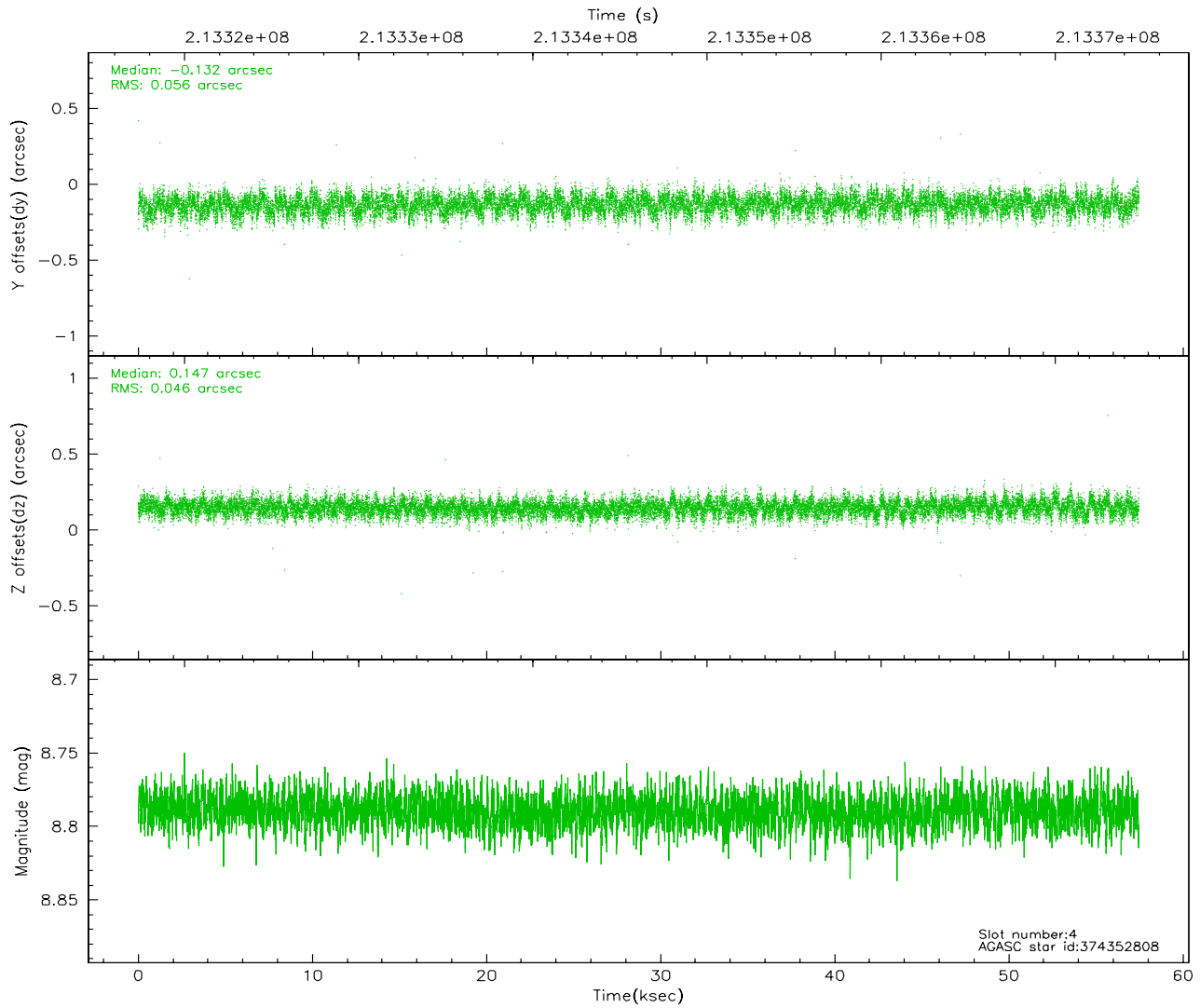
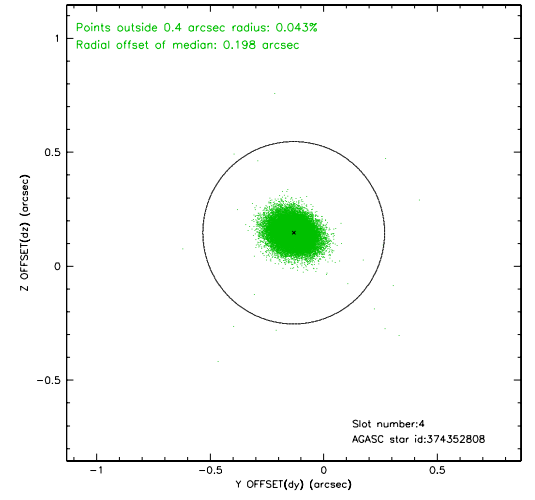
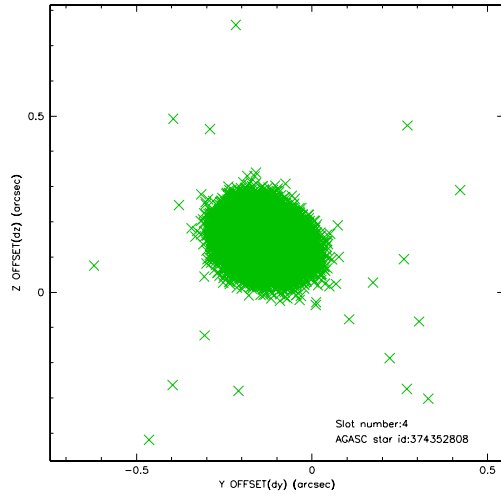
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	14017	-0.028	0.007	0.008	0.015	0.000000	0.000000	-760.74	-1731.43
1	FID	ACIS-S-4	7.21	14017	0.056	0.012	0.009	0.017	0.000000	0.000000	2152.59	177.17
2	FID	ACIS-S-5	7.23	14017	-0.058	-0.010	0.009	0.015	0.000000	0.000000	-1813.70	170.68
3	GUIDE	373817952	8.74	28032	0.143	-0.209	0.068	0.114	49.913424	40.978510	-1473.77	1260.09
4	GUIDE	374352808	8.79	28020	-0.132	0.147	0.076	0.123	49.969955	42.208621	2031.27	-1450.05
5	GUIDE	374345008	9.38	28017	-0.005	-0.104	0.082	0.136	48.768668	41.619367	2215.17	2399.78
6	GUIDE	375534552	8.19	28033	0.105	-0.032	0.065	0.100	50.877490	41.206927	-2320.77	-1347.48
7	GUIDE	376057824	8.35	28028	-0.108	0.202	0.066	0.111	50.665569	41.926280	124.13	-2373.46

2.4 Star Slots

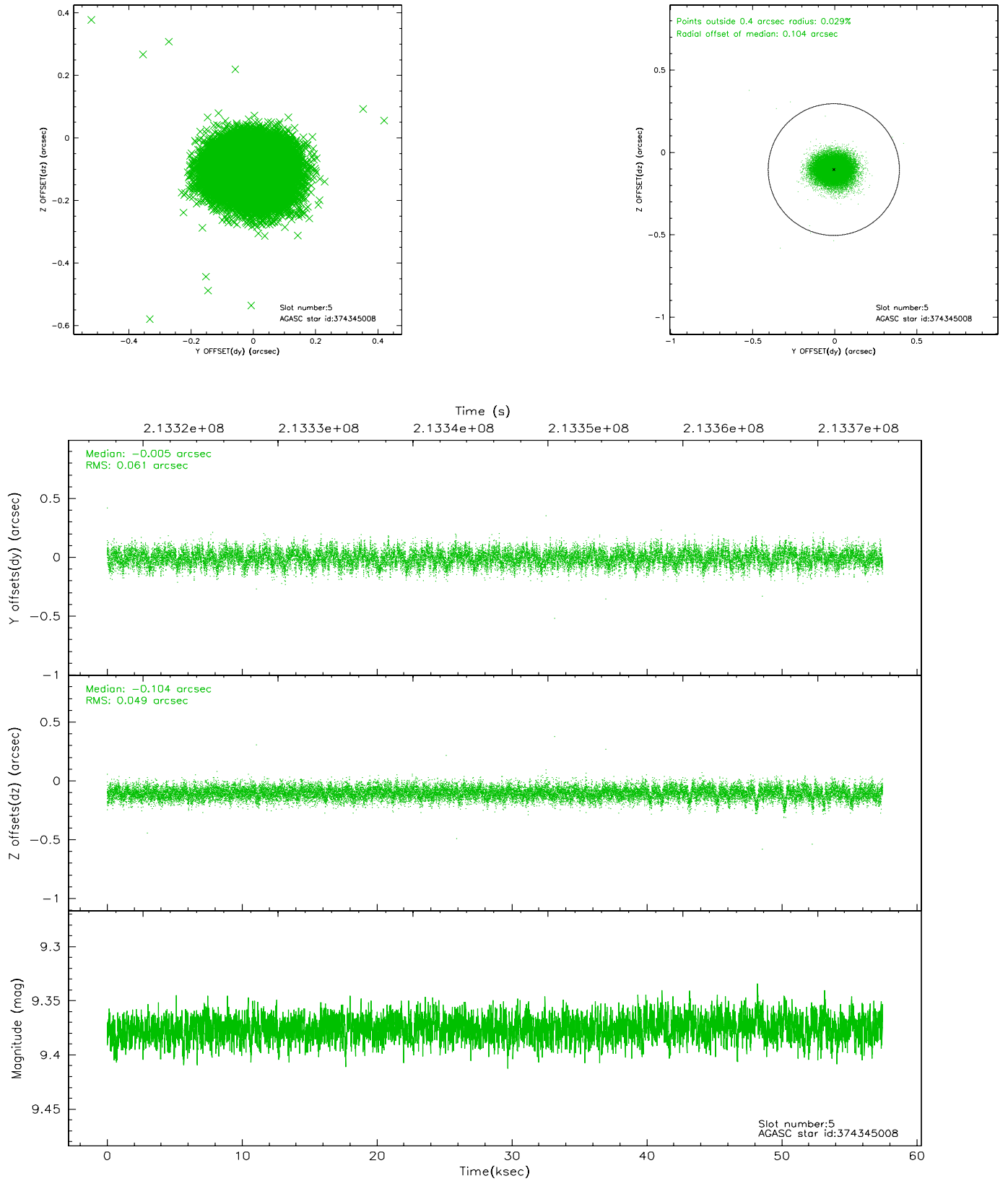
2.4.1 Slot 3



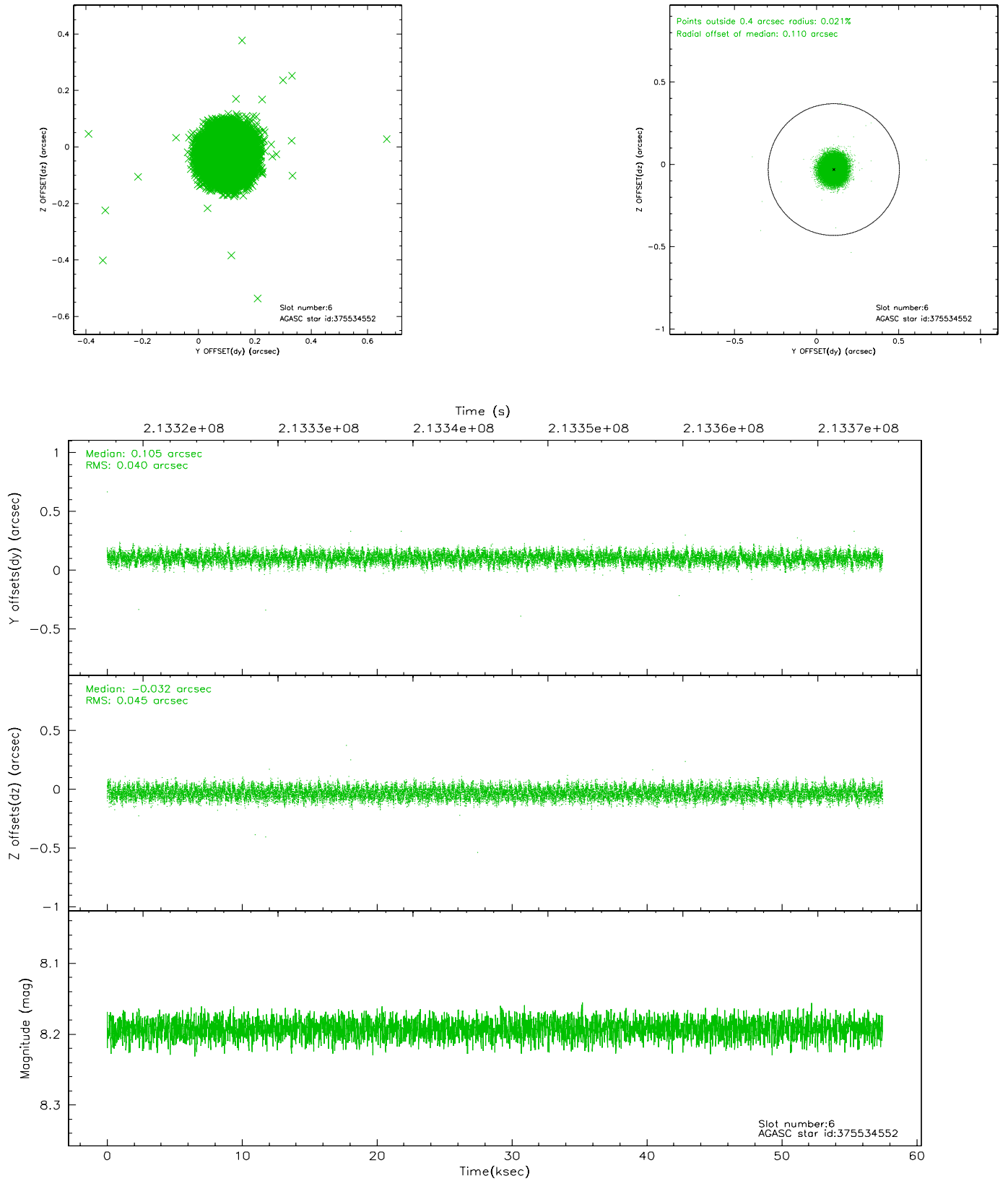
2.4.2 Slot 4



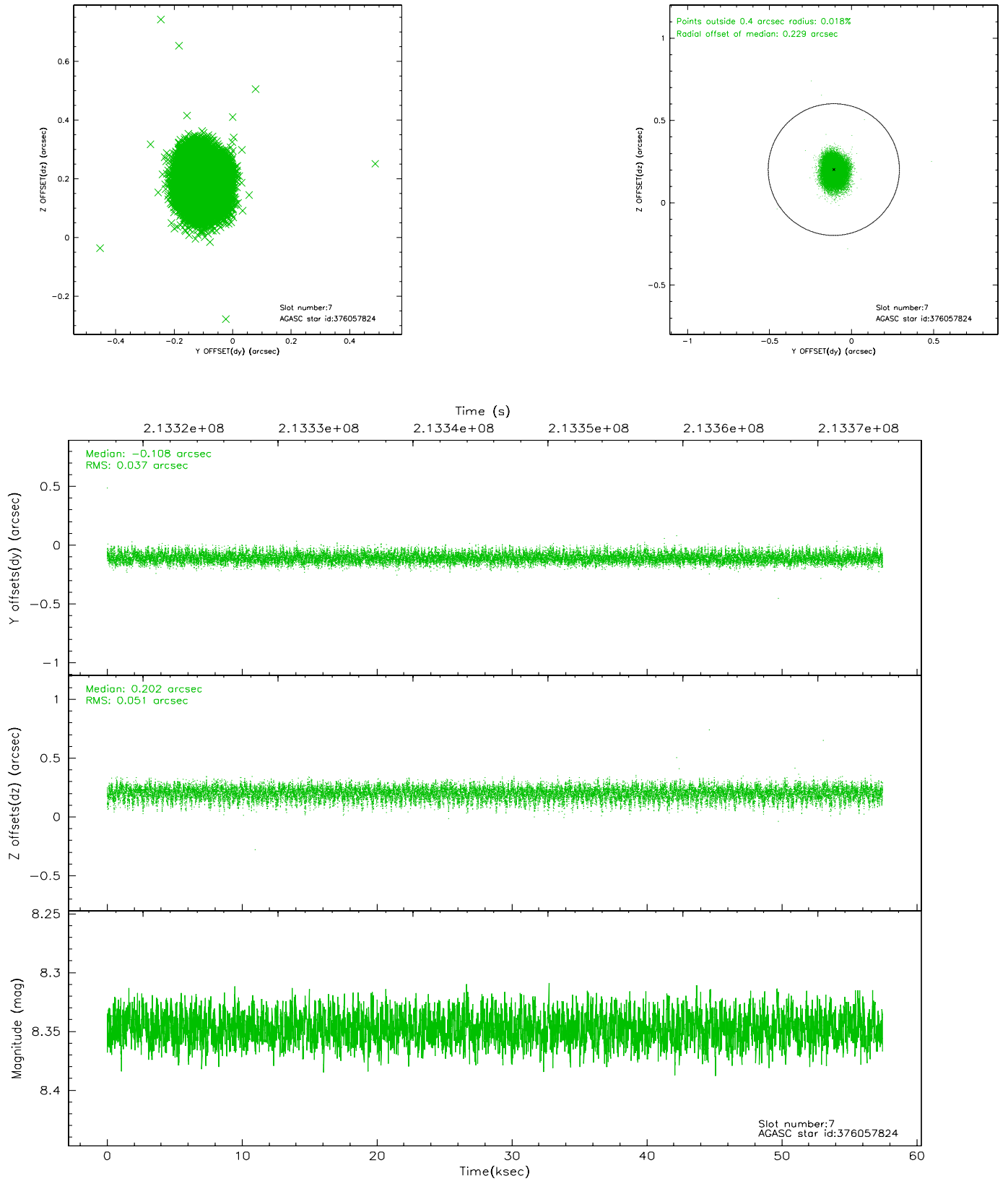
2.4.3 Slot 5



2.4.4 Slot 6

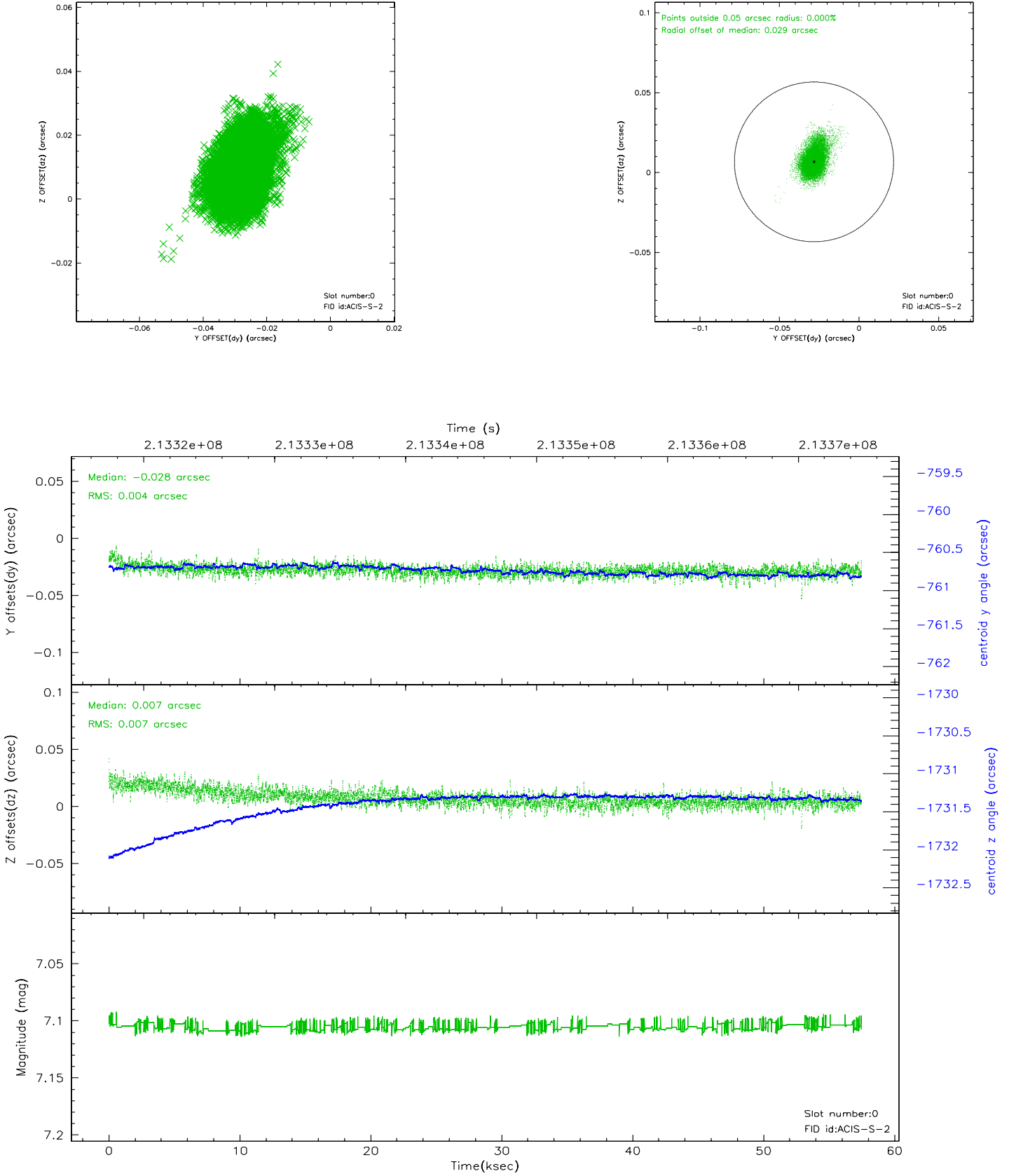


2.4.5 Slot 7

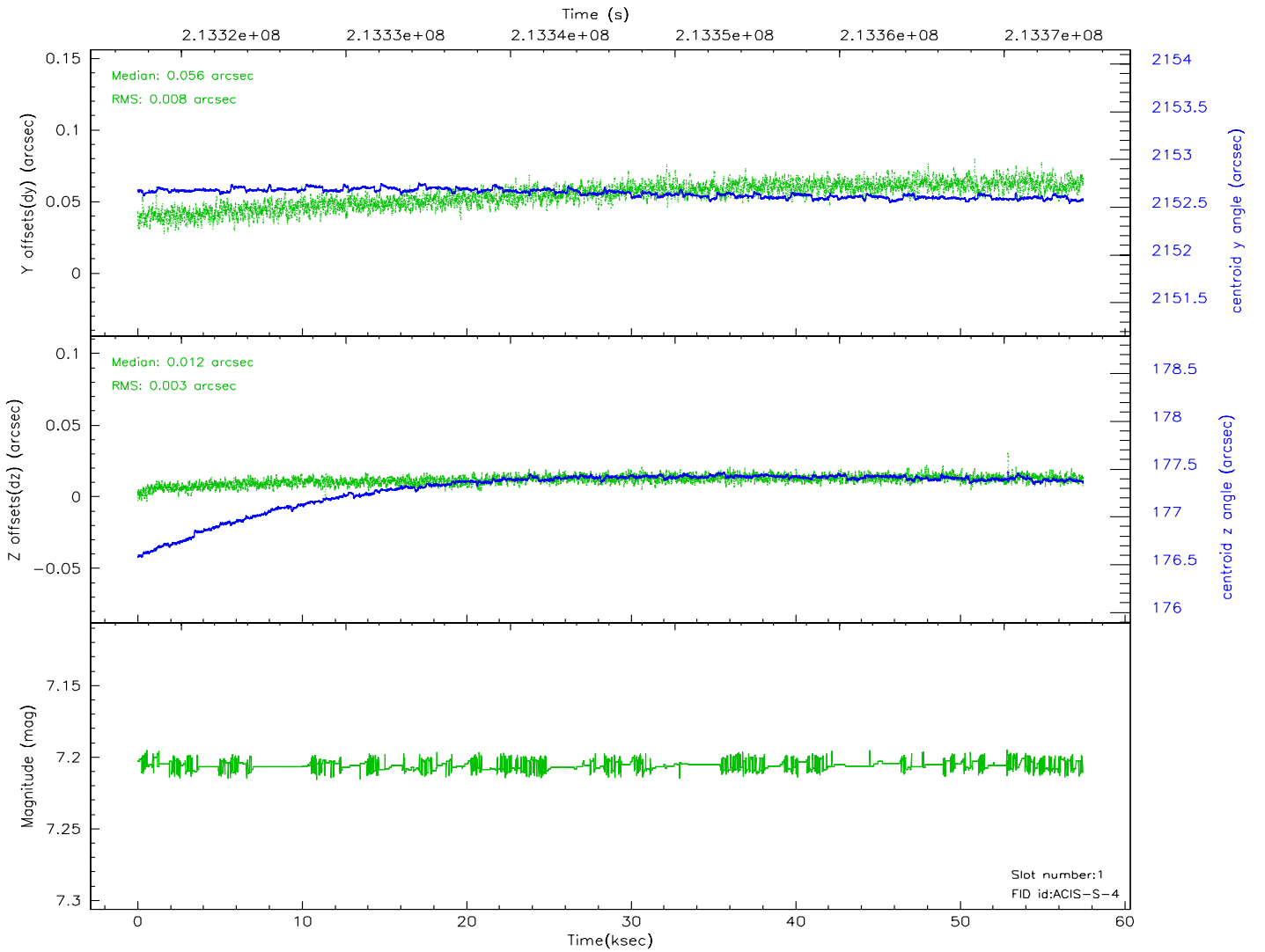
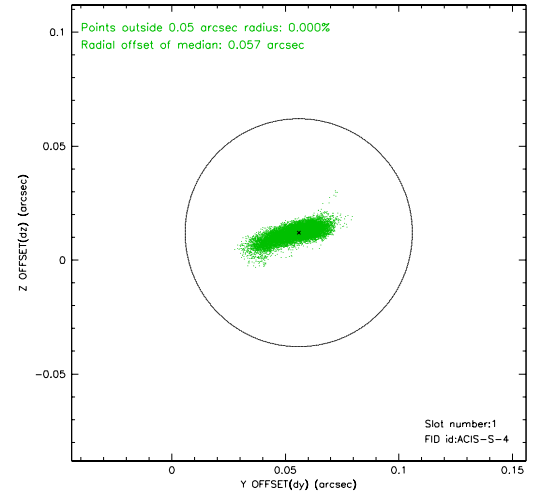
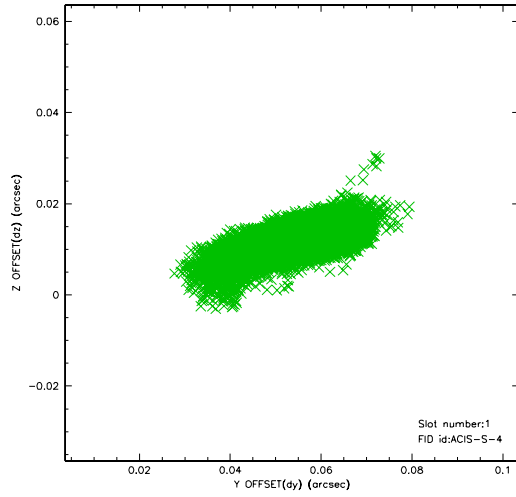


2.5 FID Slots

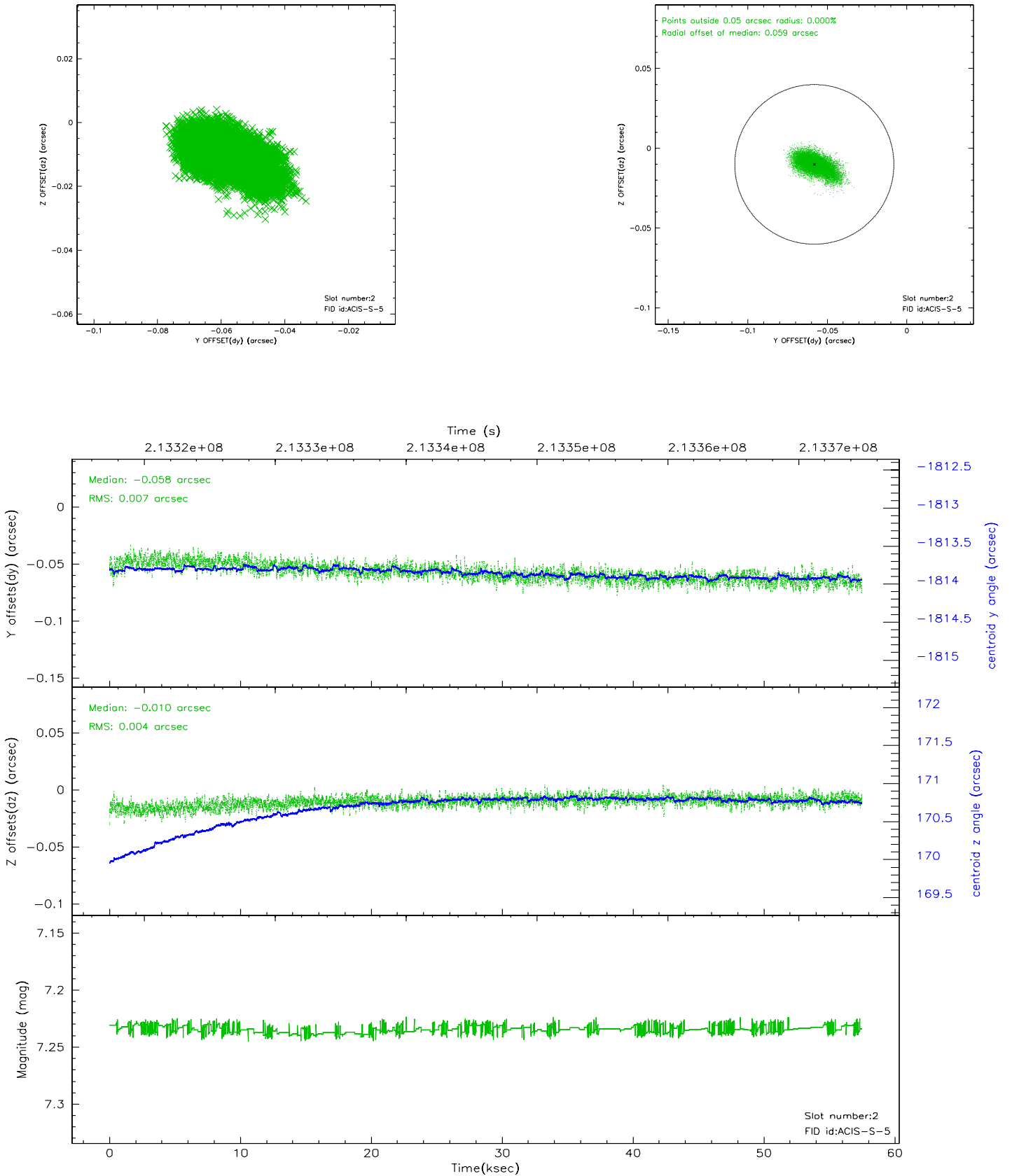
2.5.1 Slot 0



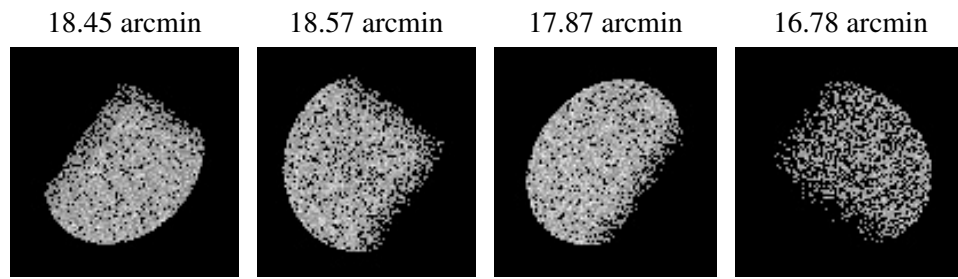
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	57.173

A.2 Comments