

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2982 - L2 Version 001
Chandra X-Ray Center

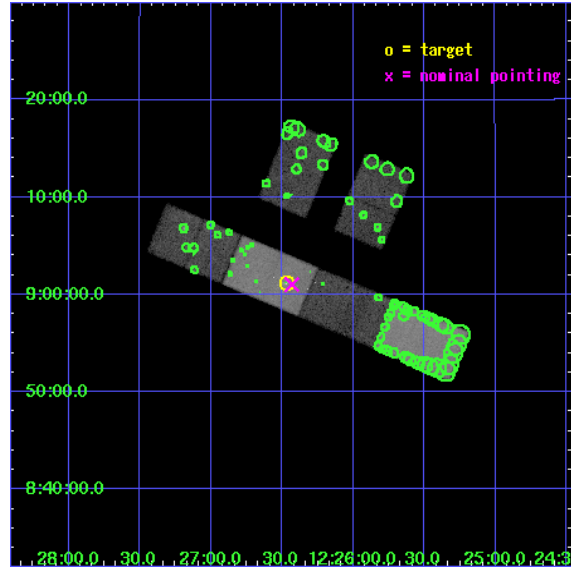
L2 Processing Date : Sep 9 2006

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1 Front

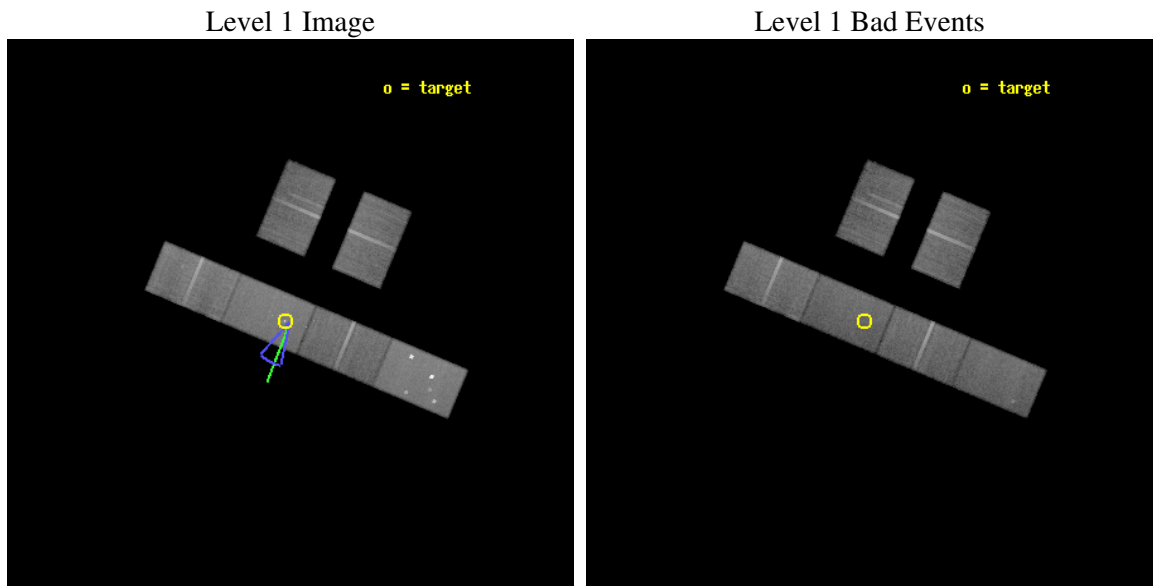
seq_num	700421
obs_id	2982
title	HOT GAS, STAR FORMATION, AND NUCLEAR ACTIVITY IN THE PECULIAR LOW LUMINOSITY RADIO GALAXY NGC 4410A
observer	Dr. Beverly Smith
object	NGC 4410A
dtcycle	0
cycle	P
ra_targ	186.6175
dec_targ	9.019667
ra_nom	186.60792098745
dec_nom	9.0175547108187
roll_nom	202.73967741098
revision	3
ontime	38610.599890411
livetime	37870.502078365
ontime2	38608.458900273
ontime3	38606.317880213
ontime5	38610.599890411
ontime6	38608.458900273
ontime7	38610.599890411
ontime8	38610.599890411
l2events	258510



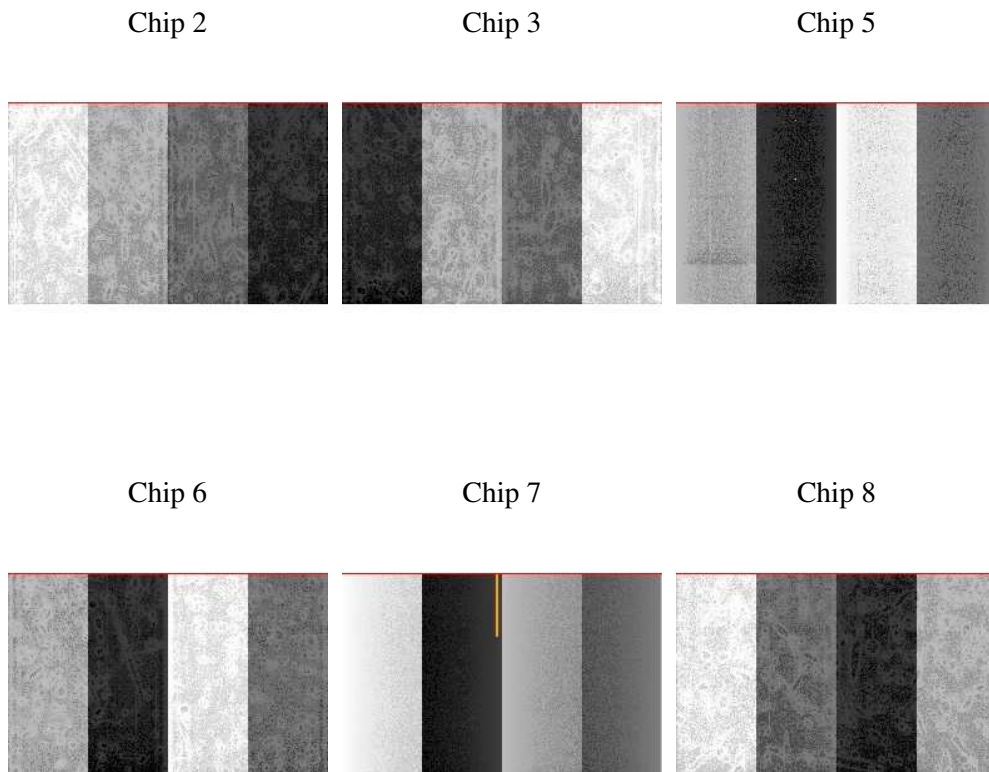
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-09-09T14:32:58
revision	3

sched_exp_time	38300.000000
ontime	38613.245717496
ontime2	38611.104727358
ontime3	38608.96368739
ontime5	38613.245717496
ontime6	38611.104727358
ontime7	38613.245717496
ontime8	38615.386737585
l1events	1196145

2.1.4 Events

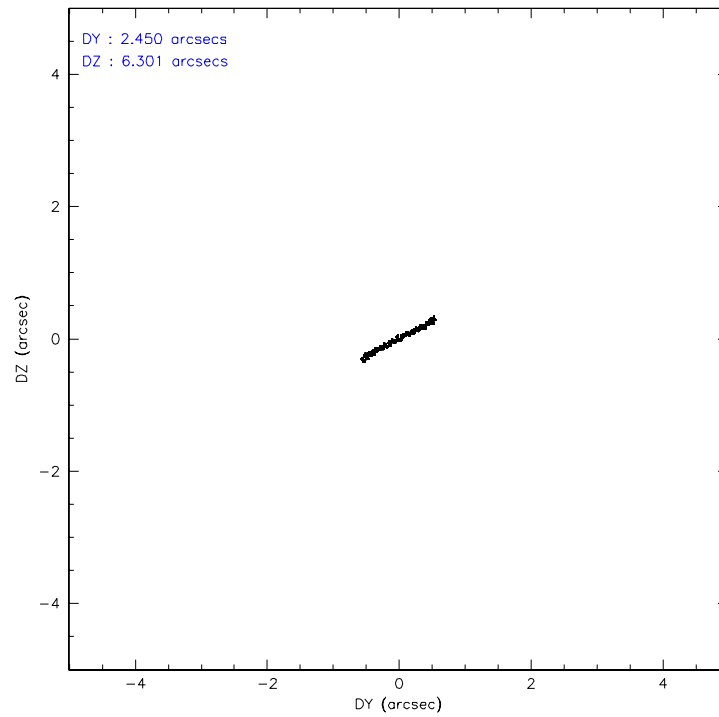
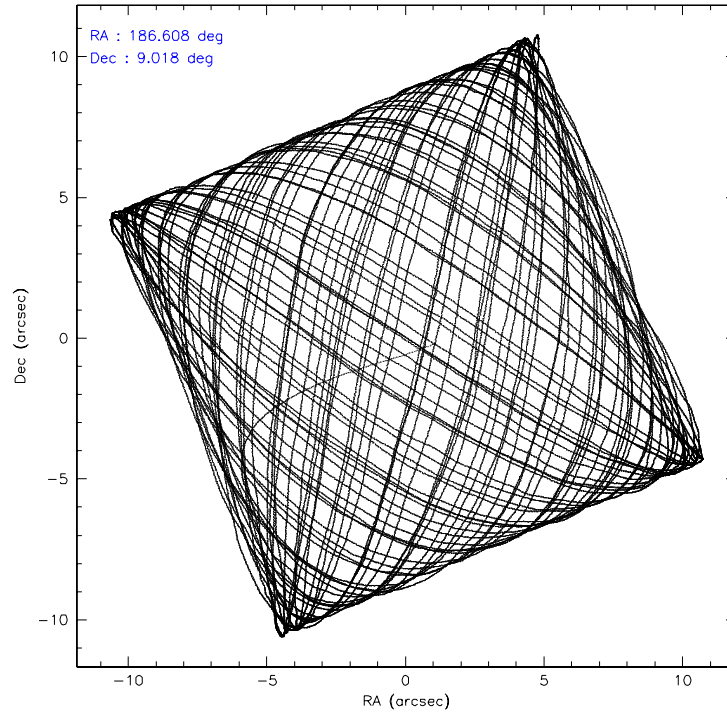
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	174951	160889	262892	167620	215629	214164
rejected events	154078	140955	128756	146535	127089	169764
rejected %	88%	87%	48%	87%	58%	79%

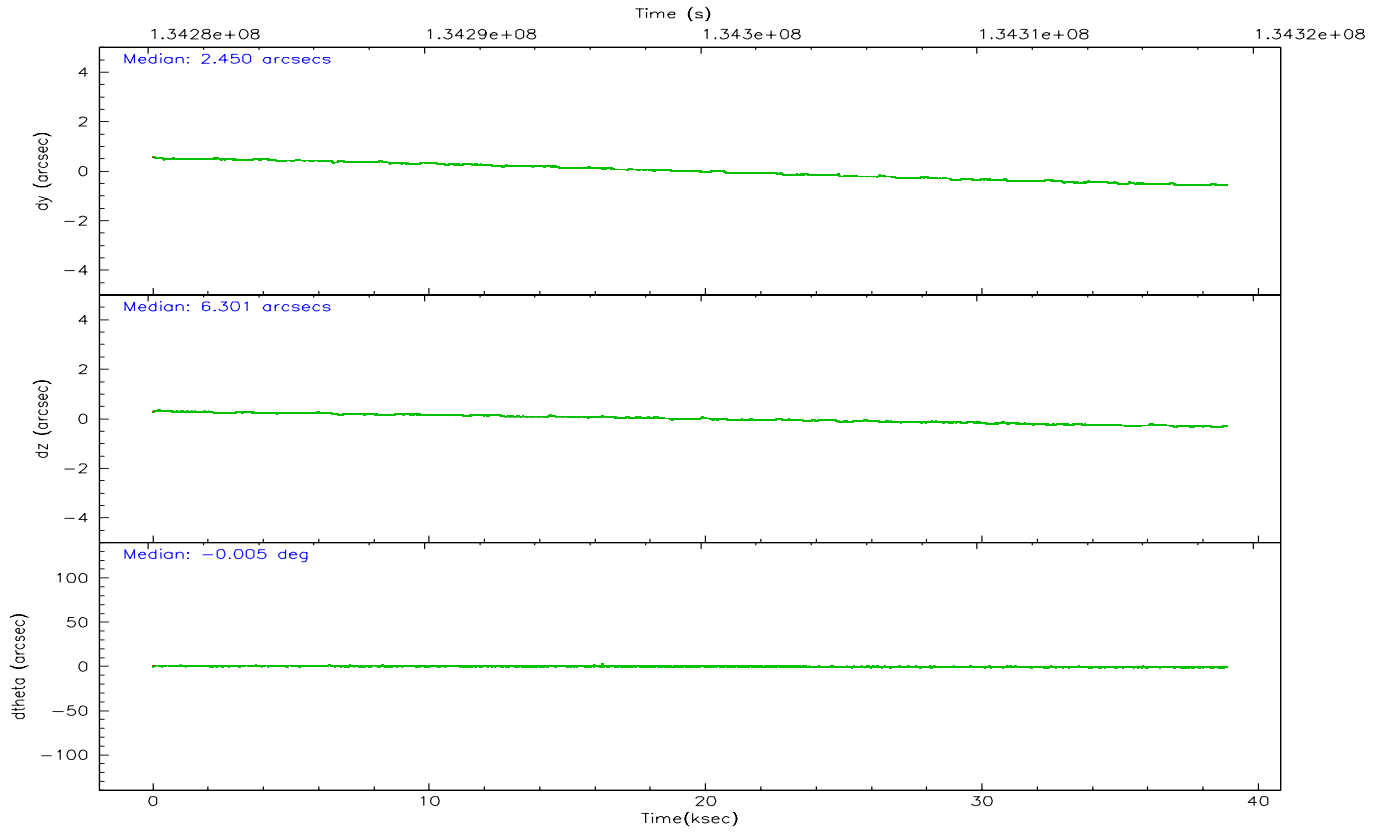
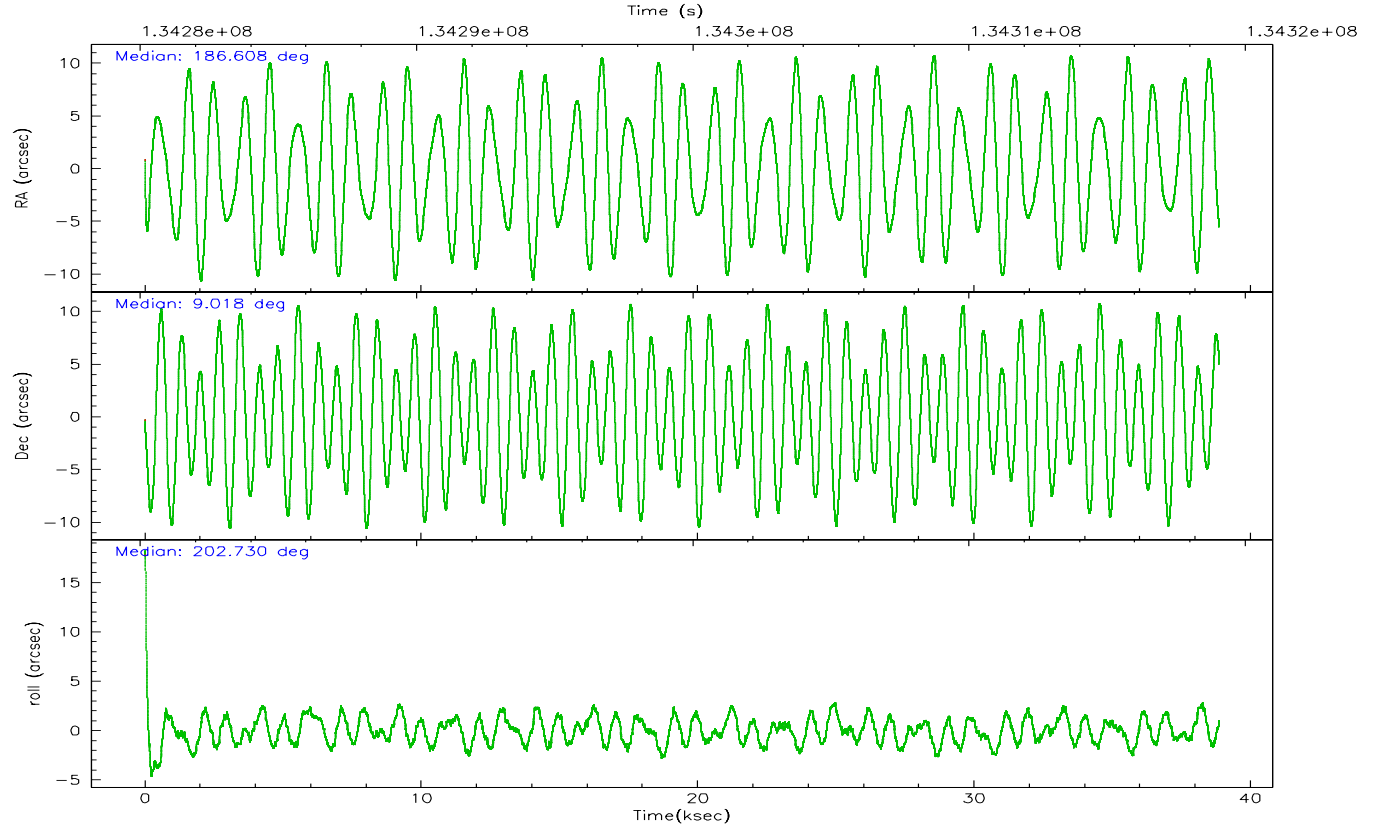
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9089	8871	35016	8957	7260	14915
	5%	5%	13%	5%	3%	6%
grade 1 events	58	70	266	65	138	87
	0%	0%	0%	0%	0%	0%
grade 2 events	4331	3764	35755	3972	21660	9124
	2%	2%	13%	2%	10%	4%
grade 3 events	2005	1983	2939	2186	5421	4874
	1%	1%	1%	1%	2%	2%
grade 4 events	2099	1973	2448	2139	5344	4567
	1%	1%	0%	1%	2%	2%
grade 5 events	5869	6115	11603	6855	14585	8775
	3%	3%	4%	4%	6%	4%
grade 6 events	3353	3344	57985	3834	48863	10925
	1%	2%	22%	2%	22%	5%
grade 7 events	148147	134769	116880	139612	112358	160897
	84%	83%	44%	83%	52%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	CUSTOM	CUSTOM
Pointing RA	186.624345	186.6079209874508	Subarray start row	192	192
Pointing Dec	9.039443	9.017554710818672	Subarray row count	640	640
Pointing Roll	202.580464	202.7396774109839	Alternating exposures requested	N	N
Roll angle	207.000000	207.000000	Primary exposure time	0.000000	2.1
Roll tolerance	15.000000	15.000000			
Roll constraint allows 180D rotation	N	N			
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	134280751.184000	134279597.34933			
Observation start date	2002-04-04T04:11:27	2002-04-04T03:53:17			
Observation end time	134319051.184000	134320113.55098			
Observation end date	2002-04-04T14:49:47	2002-04-04T15:08:33			
Read mode	TIMED	TIMED			

2.3 Aspect



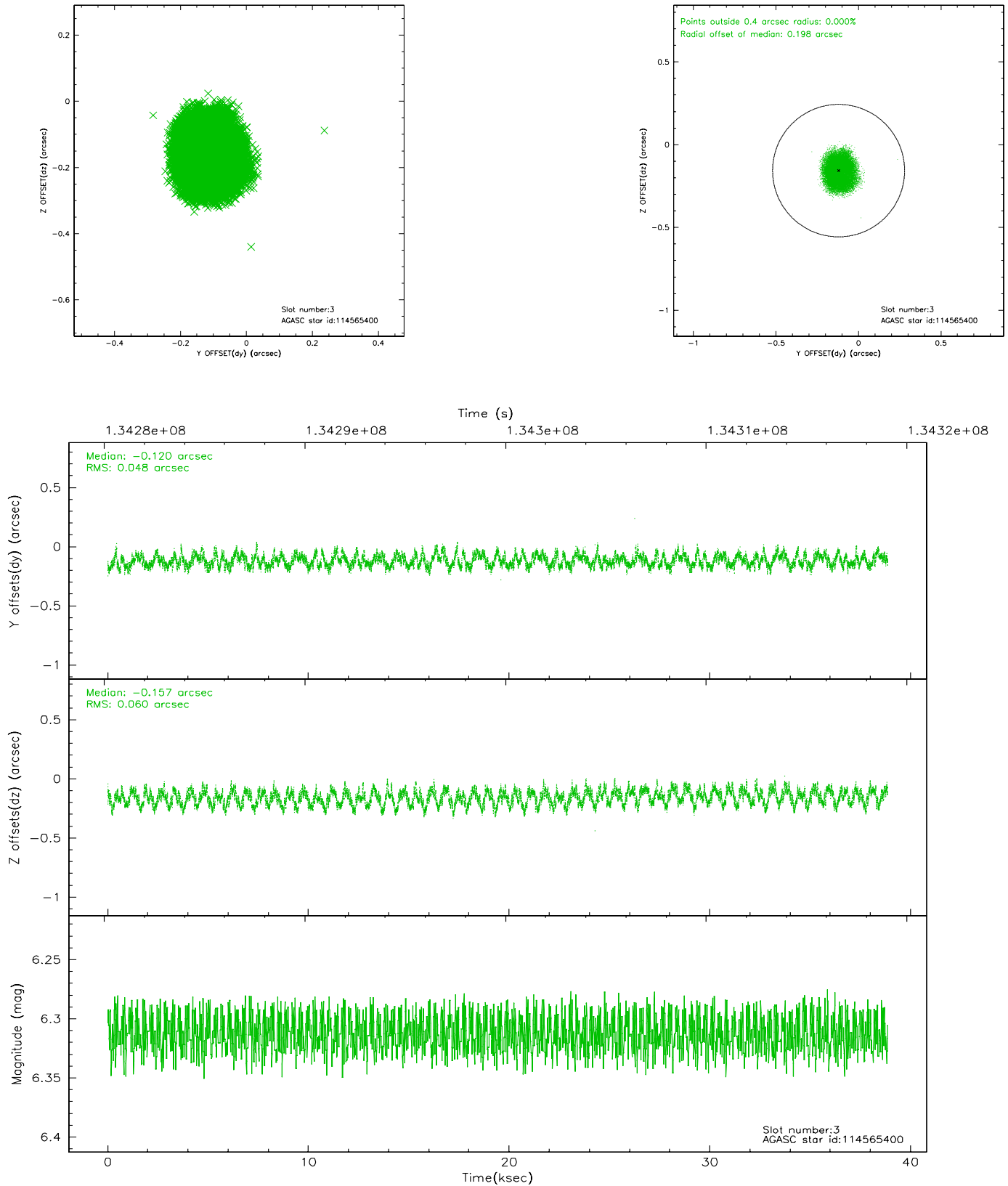


Slot Statistics

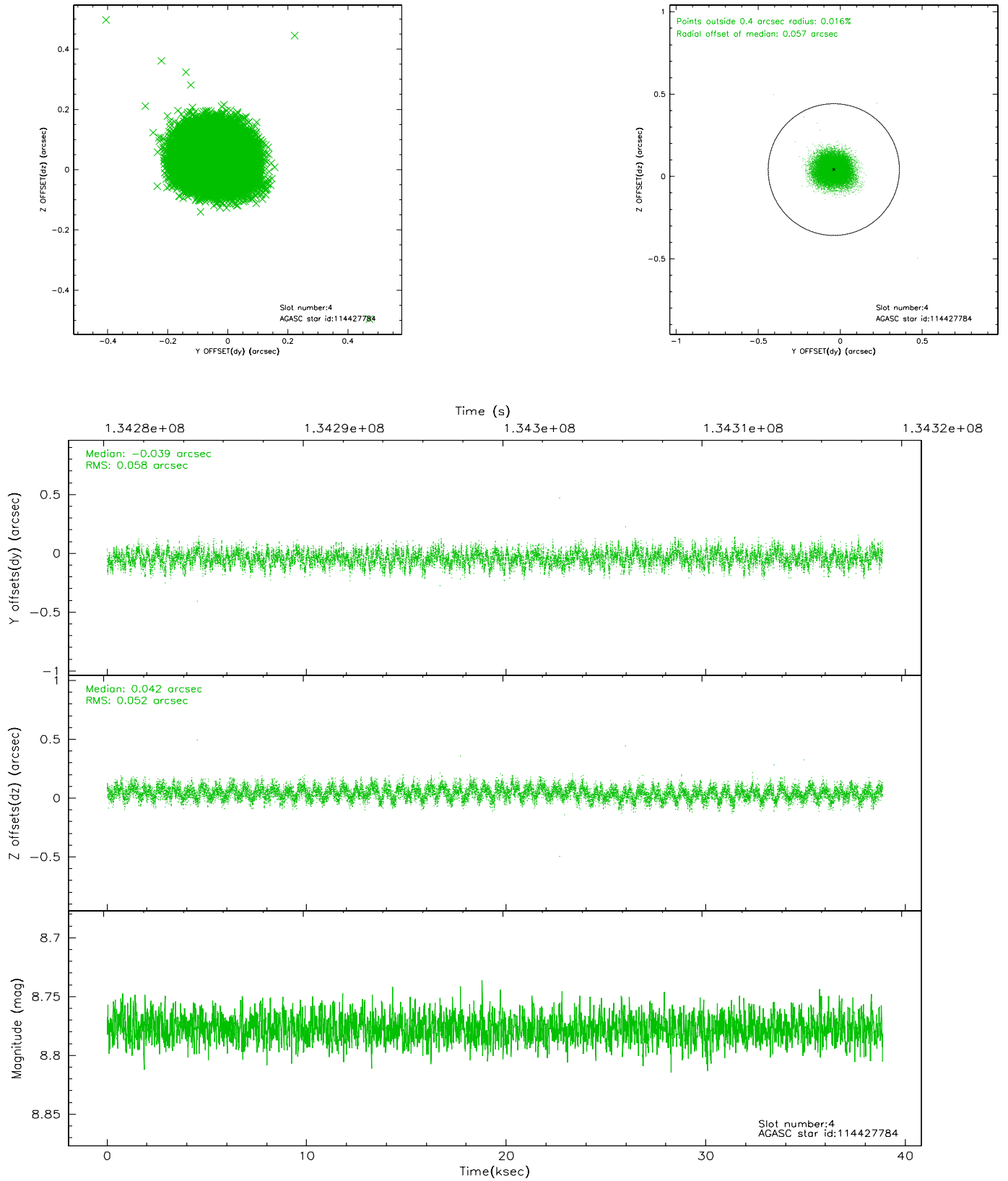
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	9481	-0.024	0.030	0.017	0.025	0.000000	0.000000	-755.07	-1727.43
1	FID	ACIS-S-4	7.20	9480	-0.066	0.003	0.019	0.027	0.000000	0.000000	2158.13	181.06
2	FID	ACIS-S-5	7.24	9480	0.059	-0.026	0.009	0.016	0.000000	0.000000	-1807.83	174.65
3	GUIDE	114565400	6.31	18959	-0.120	-0.157	0.083	0.124	186.925333	8.610343	-395.76	1837.71
4	GUIDE	114427784	8.78	18957	-0.039	0.042	0.084	0.133	186.068583	9.508052	1175.05	-2315.89
5	GUIDE	114562600	8.76	18916	0.020	0.020	0.076	0.120	186.973653	8.898661	-951.87	944.73
6	GUIDE	114558952	9.43	18952	0.082	0.166	0.268	0.361	186.929093	9.345397	-1421.58	-601.21
7	GUIDE	114561264	9.63	18946	0.068	-0.071	0.140	0.215	186.762657	8.969089	-356.04	423.05

2.4 Star Slots

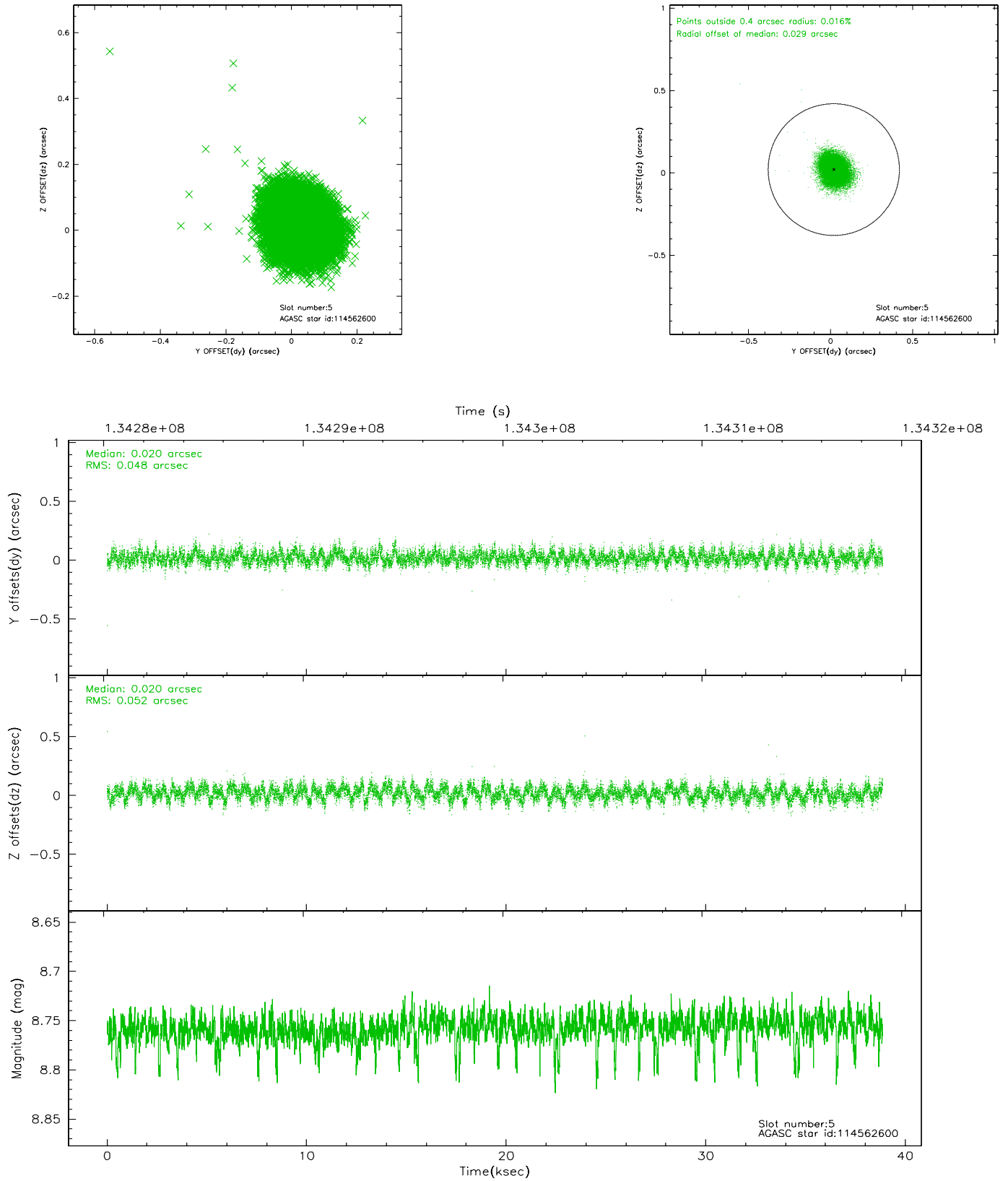
2.4.1 Slot 3



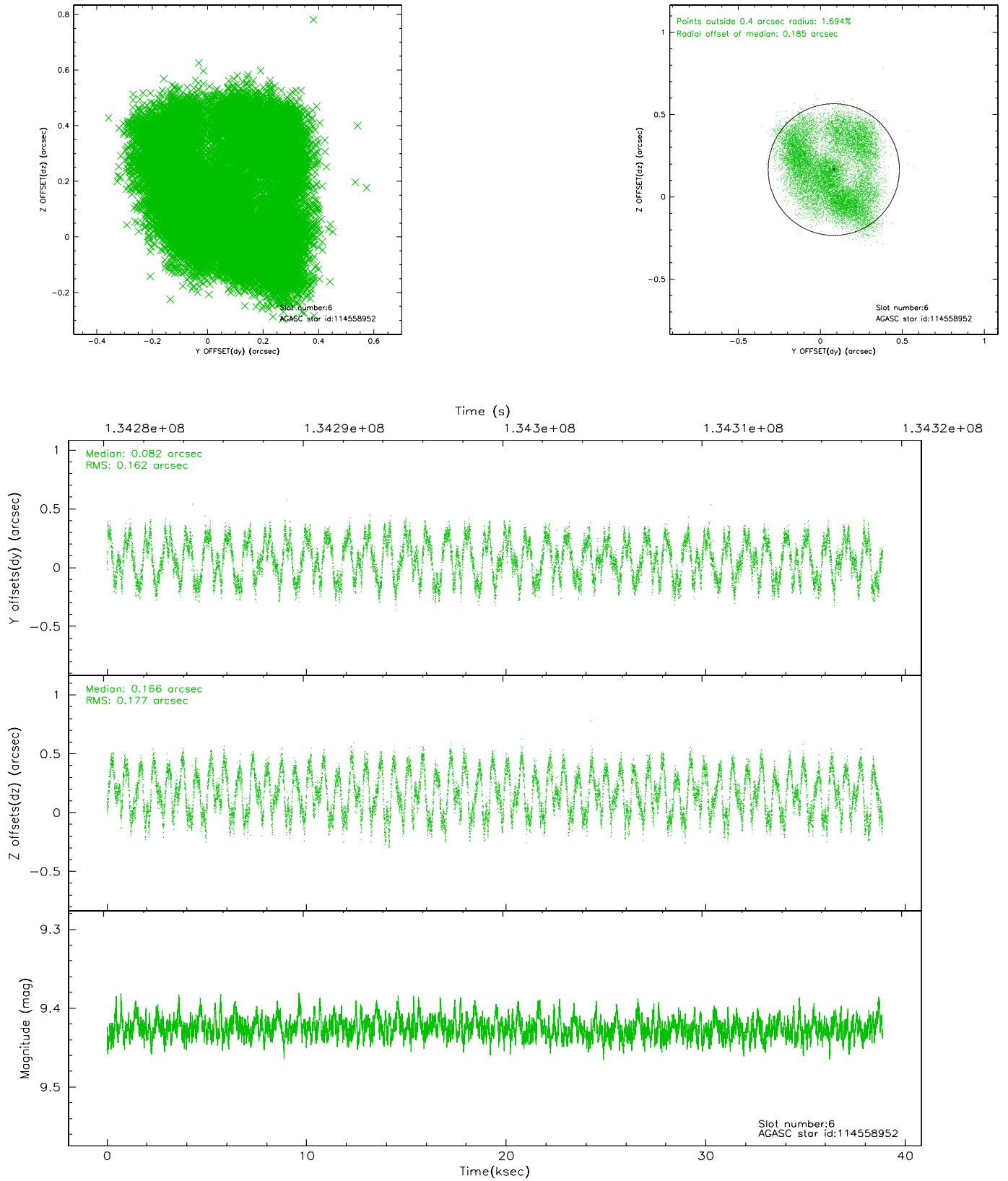
2.4.2 Slot 4



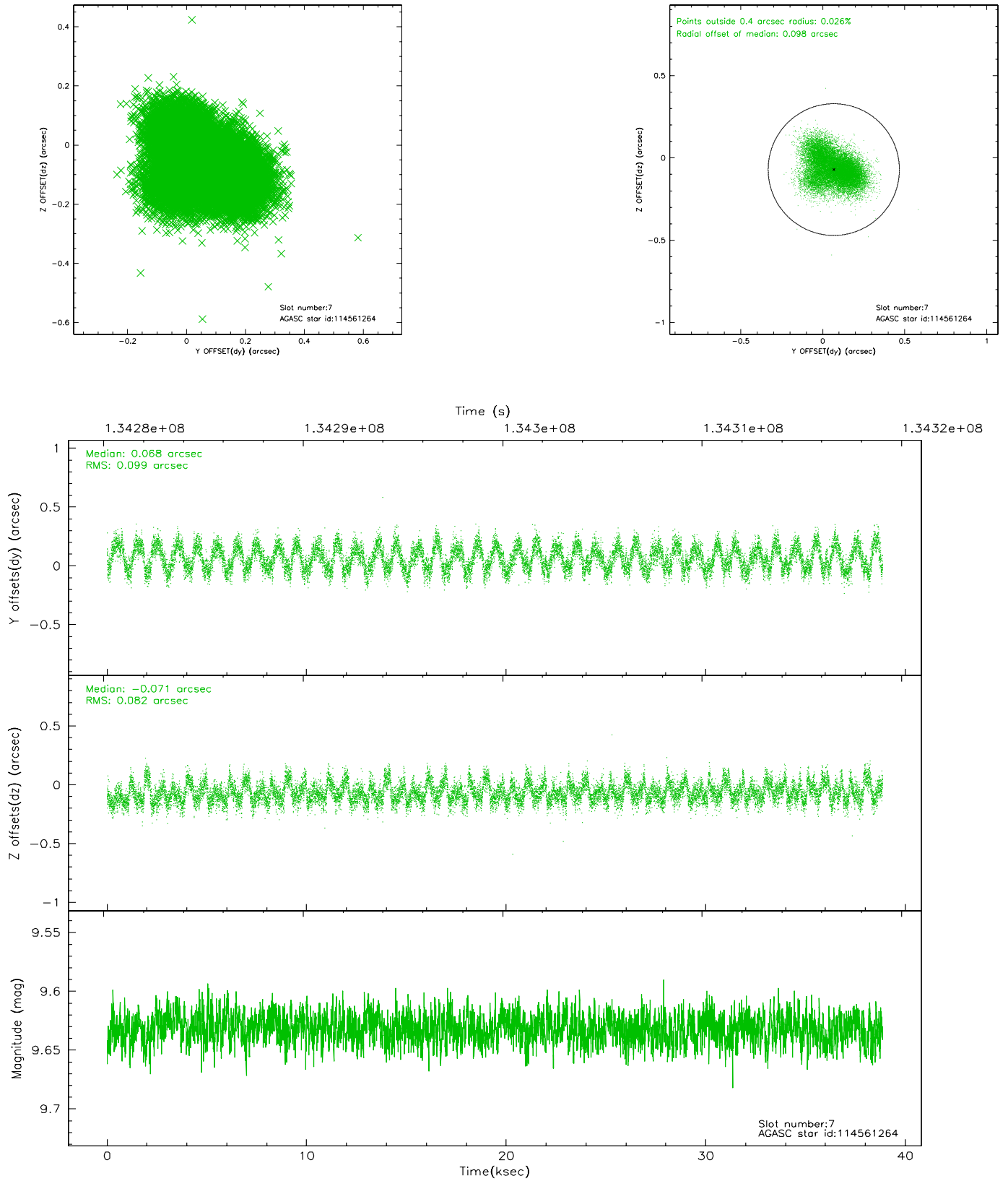
2.4.3 Slot 5



2.4.4 Slot 6

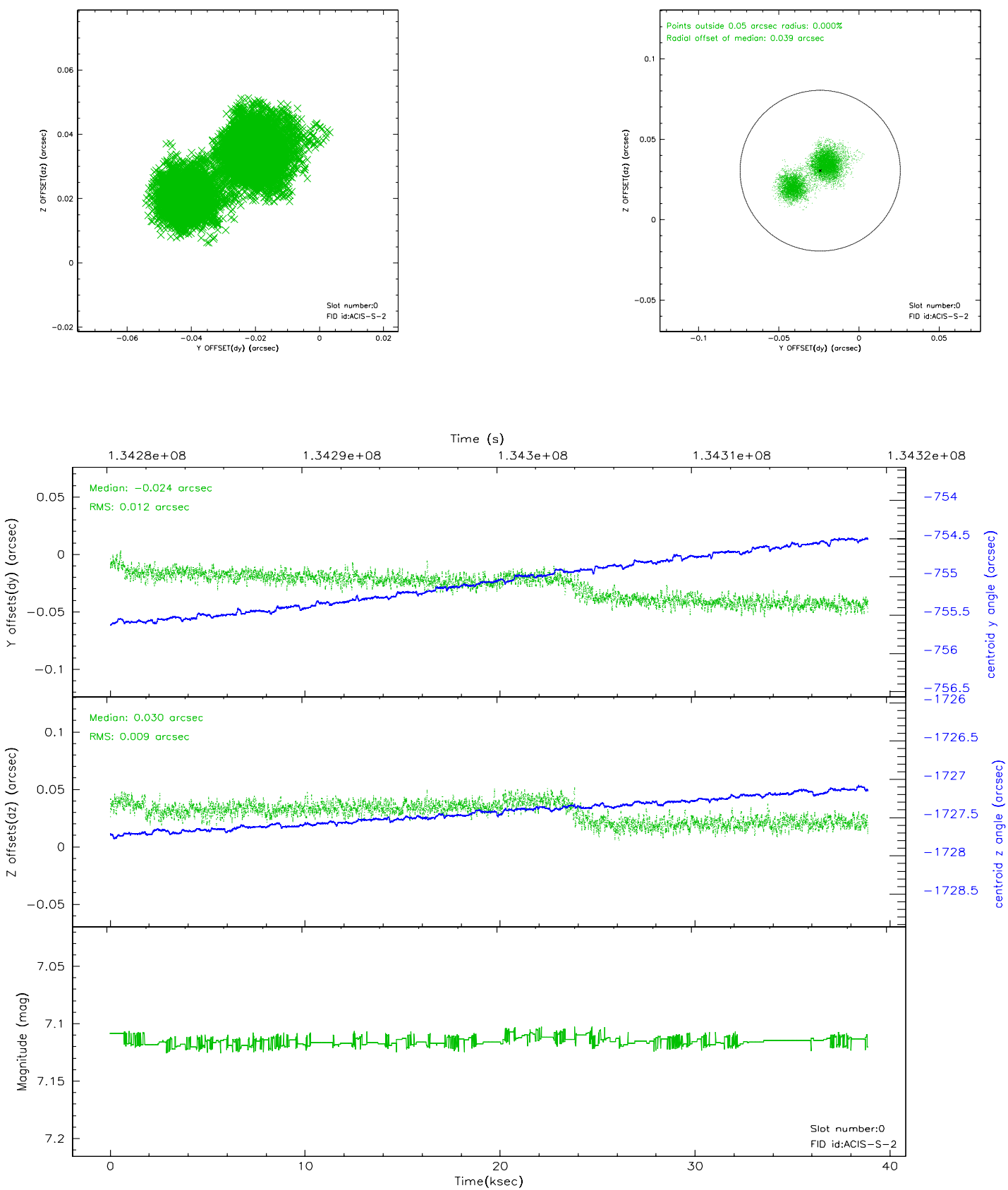


2.4.5 Slot 7

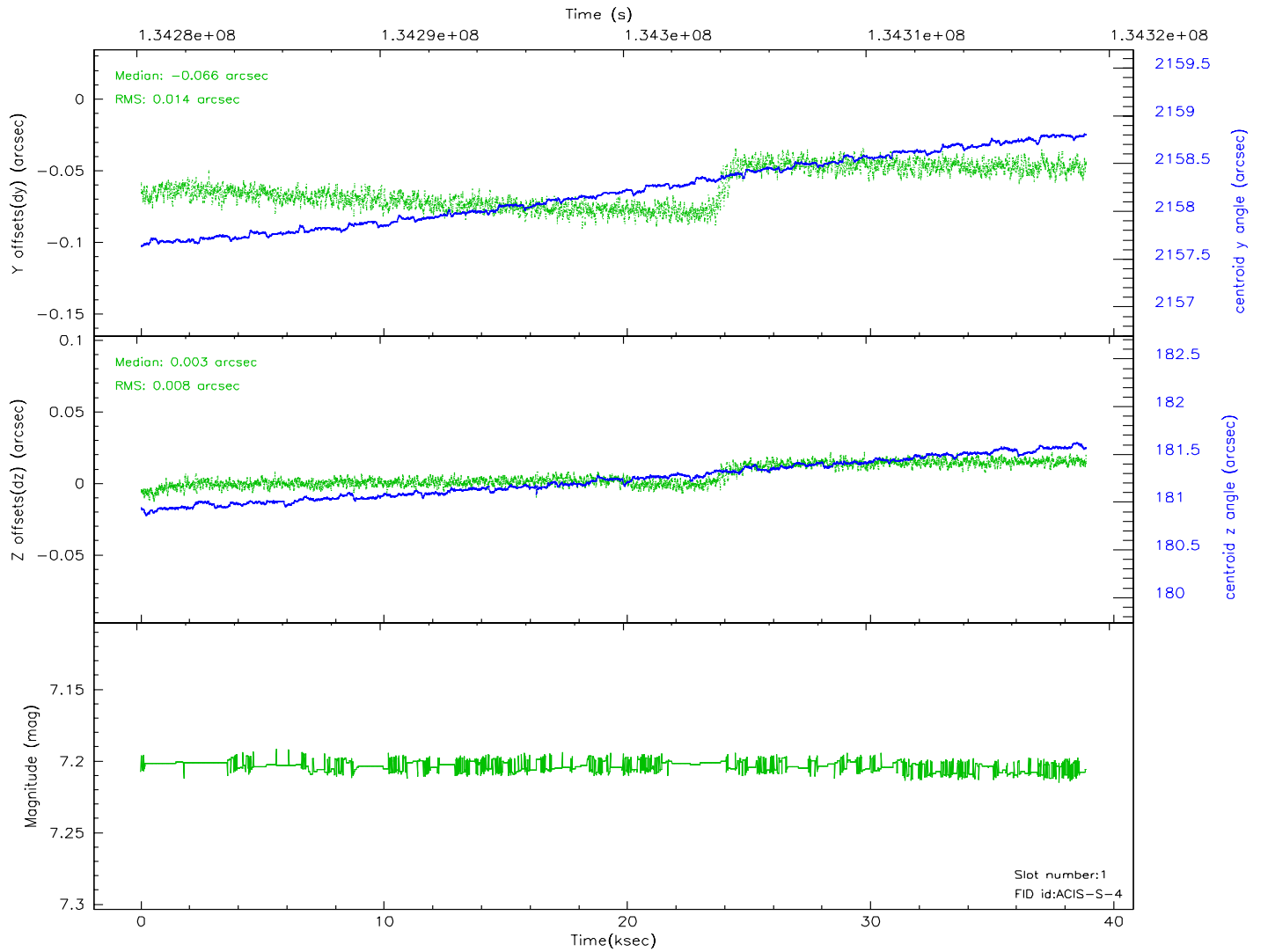
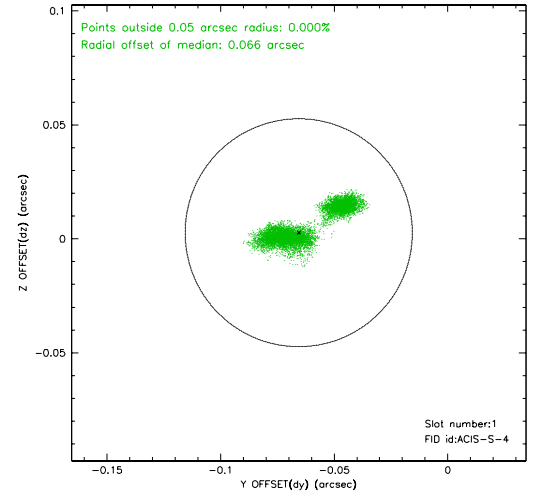
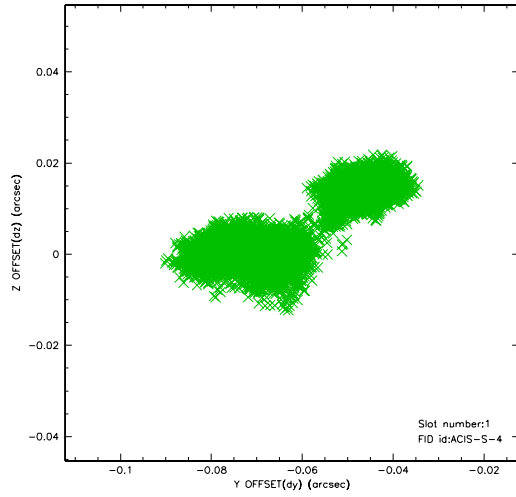


2.5 FID Slots

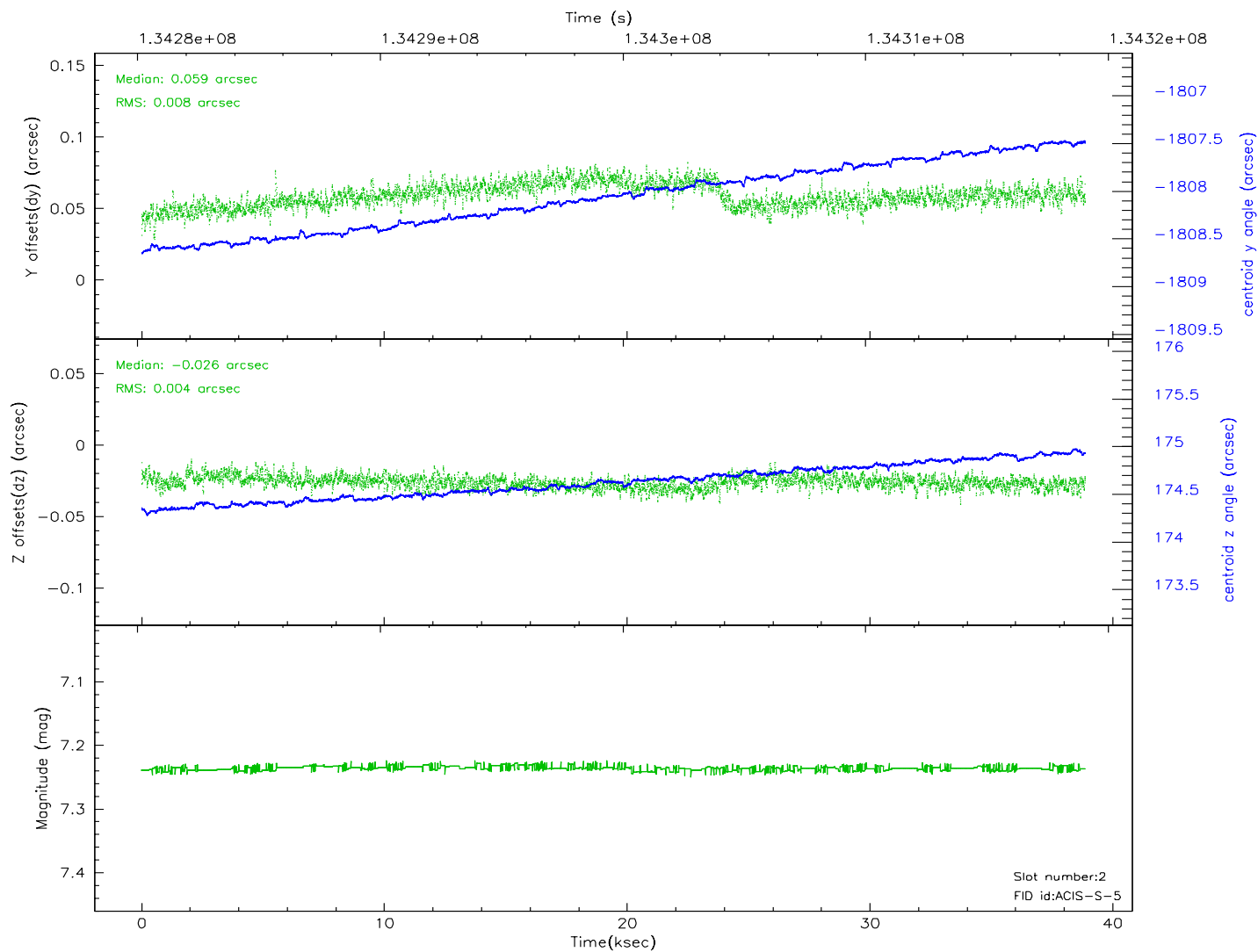
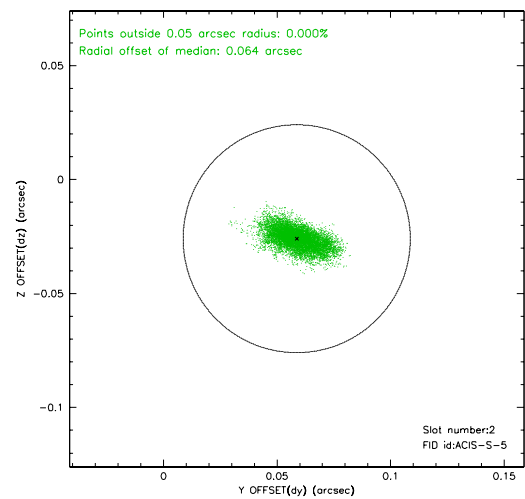
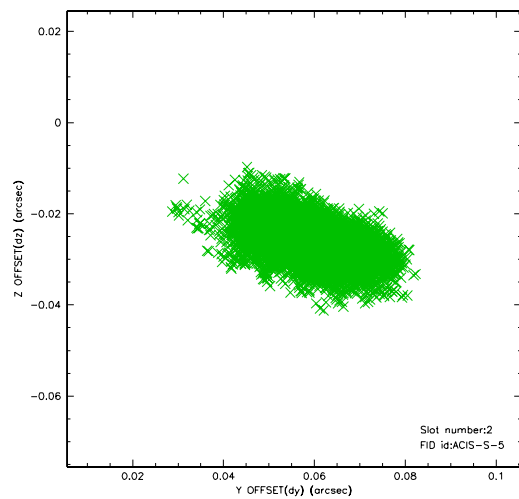
2.5.1 Slot 0



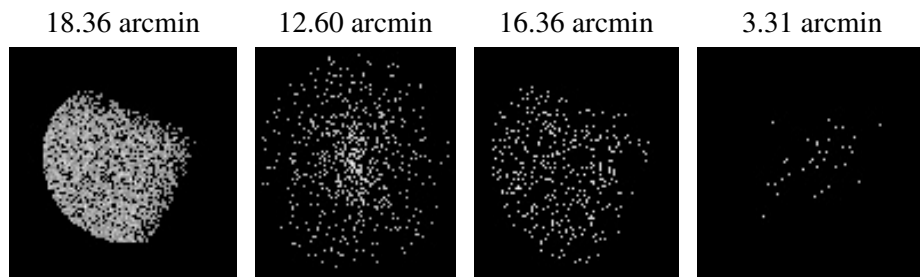
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.61

A.2 Comments

Roll constraint met.