

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4696 - L2 Version 4
Chandra X-Ray Center

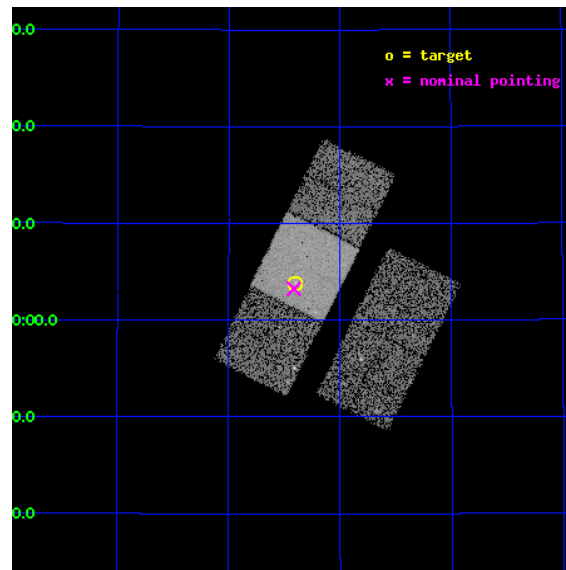
L2 Processing Date : Nov 13 2012

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1 Front

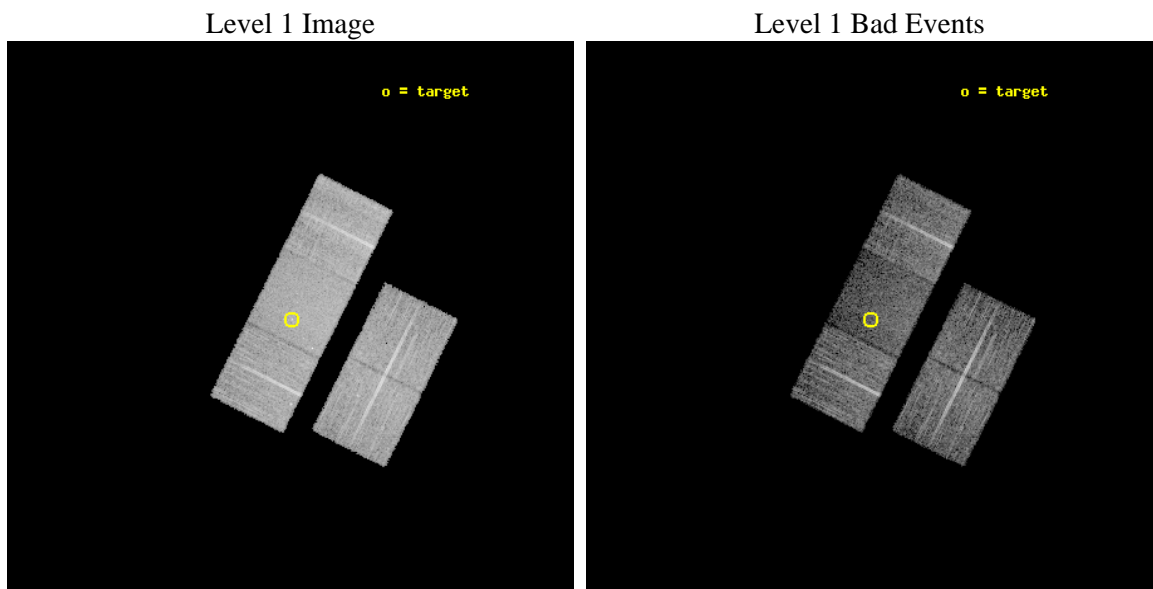
seq_num	600351	Sequence number
obs_id	4696	Observation id
title	Physics of Accretion Flows in Ultra-low Luminosity AGNs: A Mini Survey of a Distance-Limited Sample of Inactive Galaxies	Proposal tit
observer	Dr. Yuichi Terashima	Principal investigator
object	NGC 1023	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.1	Observer's specified target RA [deg]
dec_targ	39.063333	Observer's specified target Dec [deg]
ra_nom	40.103593721546	Nominal RA [deg]
dec_nom	39.054086647305	Nominal Dec [deg]
roll_nom	296.57933416784	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10372.354148626	Sum of GTIs [s]
livetime	10236.831705658	Livetime [s]
ontime2	10337.803416103	Sum of GTIs [s]
ontime3	10347.226346791	Sum of GTIs [s]
ontime6	10362.931277722	Sum of GTIs [s]
ontime7	10372.354148626	Sum of GTIs [s]
ontime8	10340.944506079	Sum of GTIs [s]
l2events	51364	Number of level 2 events



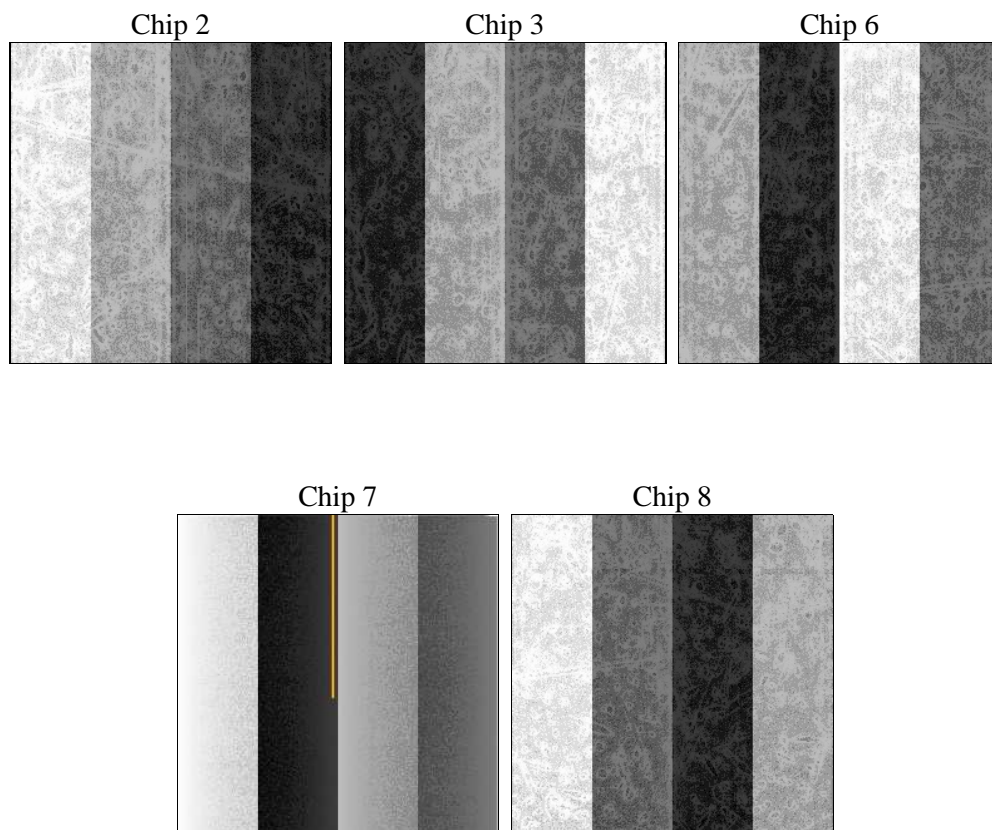
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10250.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10372.354148626	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	10337.803416103	Sum of GTIs [s]
date	2012-11-13T22:43:12	Date and time of file creation	ontime3	10347.226346791	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	10362.931277722	Sum of GTIs [s]
			ontime7	10372.354148626	Sum of GTIs [s]
			ontime8	10340.944506079	Sum of GTIs [s]
			l1events	318487	Number of level 1 events

2.1.4 Events

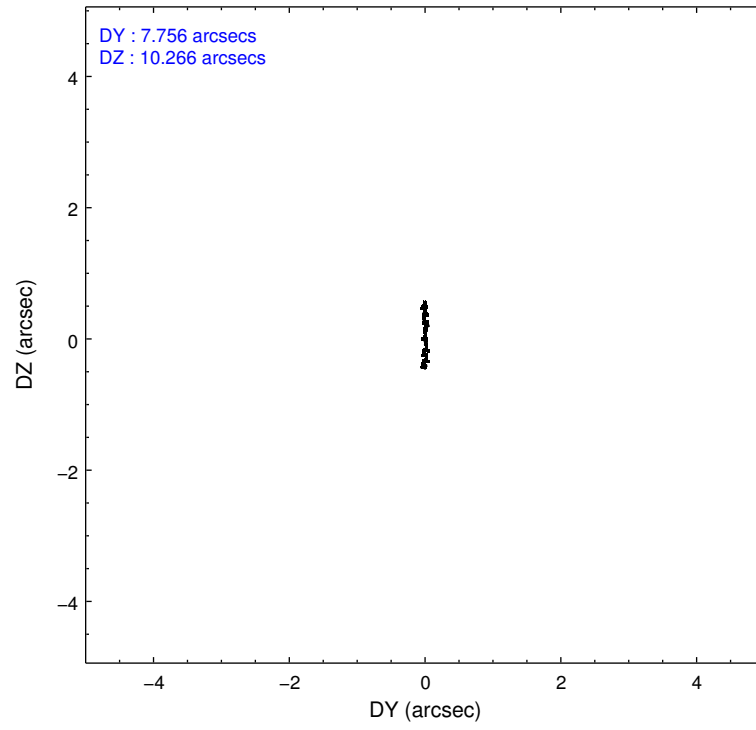
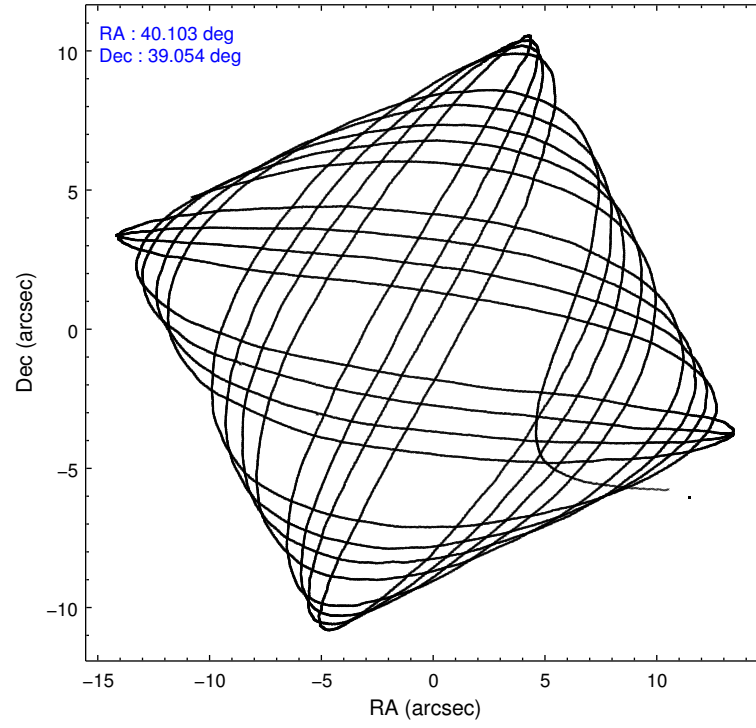
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	60501	56582	60450	66805	74149
rejected events	54534	51216	54125	36027	57334
rejected %	90%	90%	89%	53%	77%

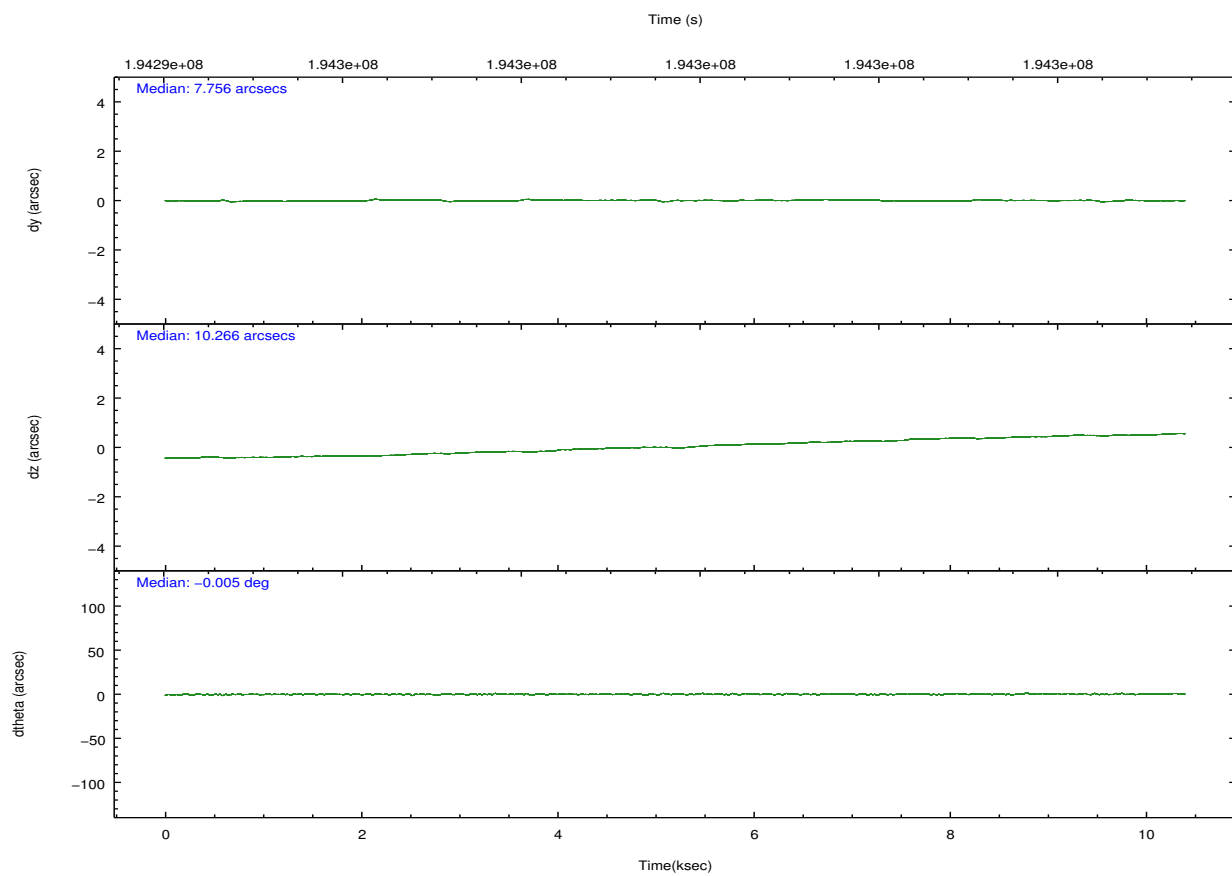
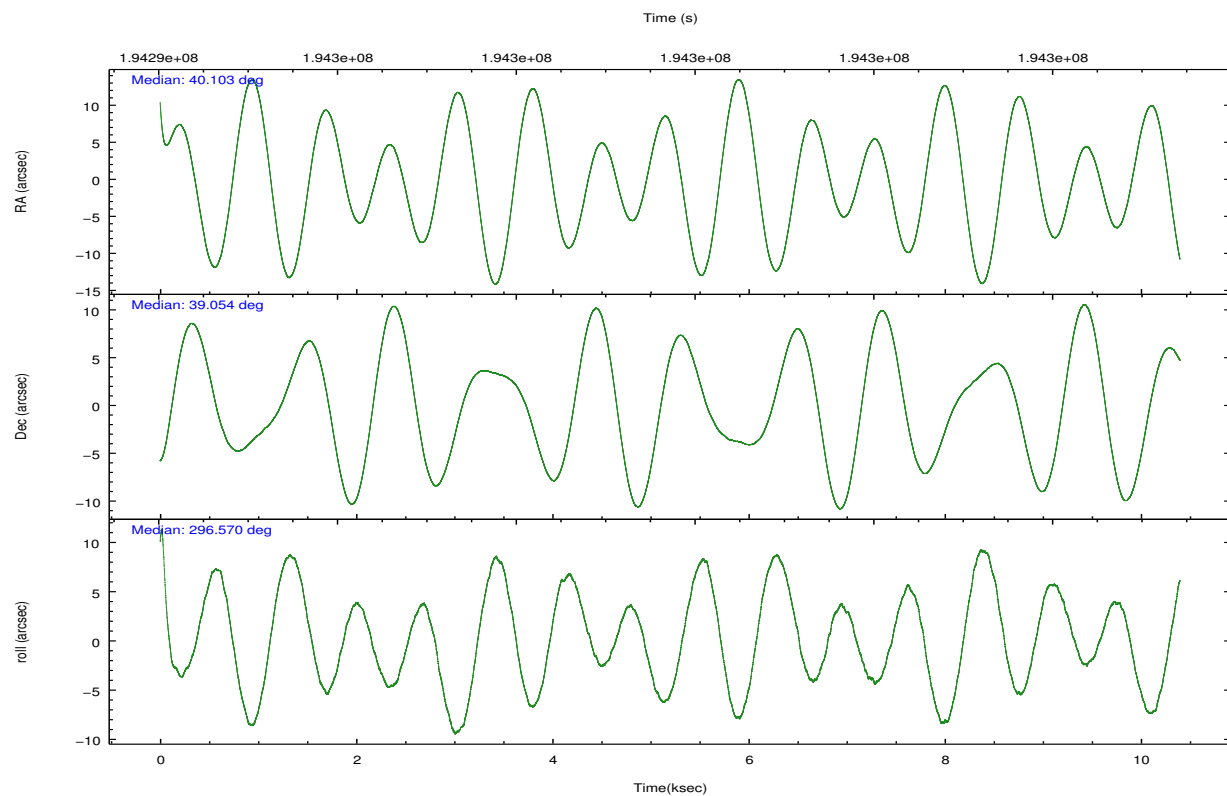
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2378	2000	2426	3064	5171
	3%	3%	4%	4%	6%
grade 1 events	20	30	34	51	46
	0%	0%	0%	0%	0%
grade 2 events	1362	1181	1344	6121	3724
	2%	2%	2%	9%	5%
grade 3 events	642	622	709	3035	1866
	1%	1%	1%	4%	2%
grade 4 events	656	620	676	2996	1755
	1%	1%	1%	4%	2%
grade 5 events	1977	2251	2411	6861	3397
	3%	3%	3%	10%	4%
grade 6 events	1062	1077	1302	16151	4520
	1%	1%	2%	24%	6%
grade 7 events	52404	48801	51548	28526	53670
	86%	86%	85%	42%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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
[deg] Pointing RA	40.074001	40.10359372154595	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.068751	39.05408664730484	Alternating exposures requested	N	N
[deg] Pointing Roll	296.441337	296.5793341678446	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	194294670.184000	194293586.65338			
Observation start date	2004-02-27T18:43:26	2004-02-27T18:26:26			
[s] Observation end time (MET)	194304920.184000	194305404.90389			
Observation end date	2004-02-27T21:34:16	2004-02-27T21:43:24			
Read mode	TIMED	TIMED			

2.3 Aspect



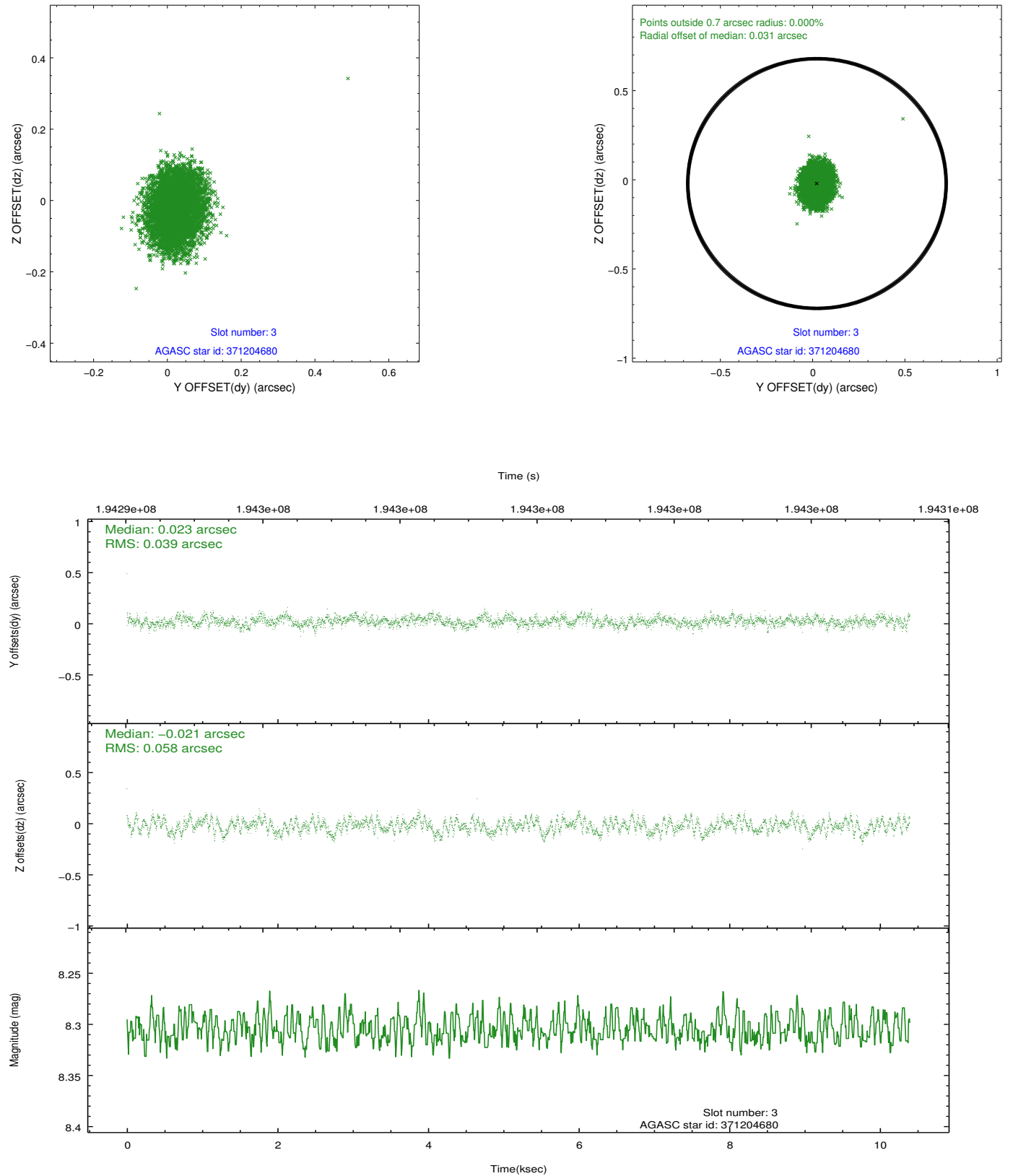


Slot Statistics

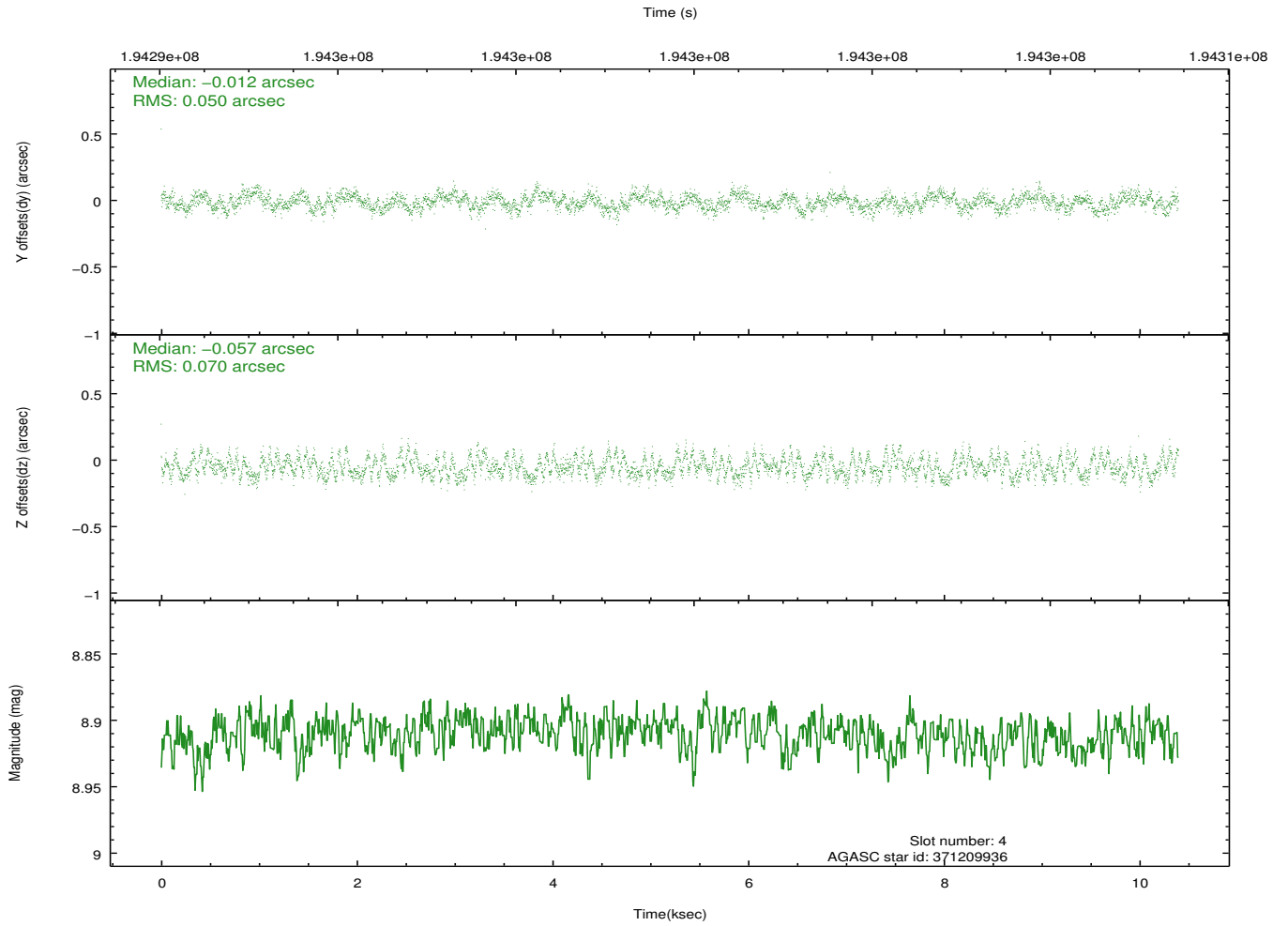
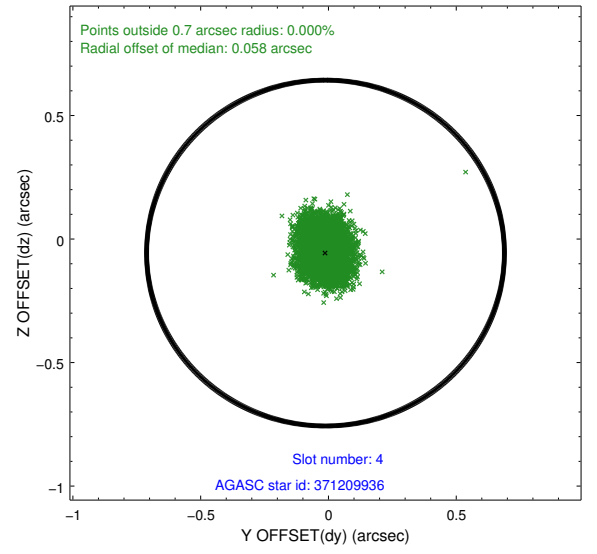
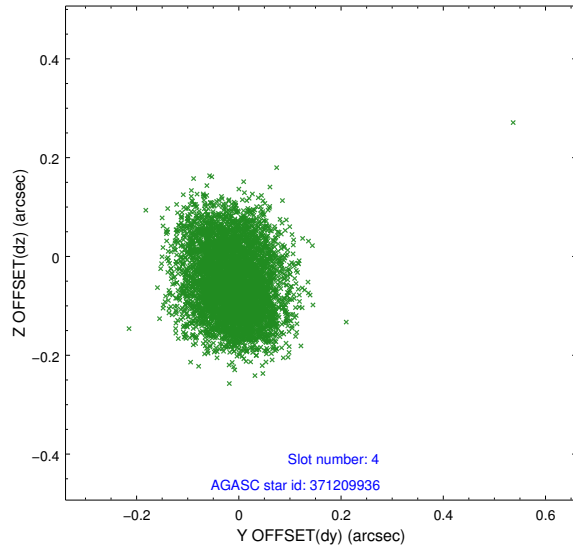
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2499	-0.057	-0.038	0.006	0.011	0.000000	0.000000	-760.55	-1731.60
1	FID	ACIS-S-4	7.20	2490	0.067	0.021	0.008	0.012	0.000000	0.000000	2152.58	176.46
2	FID	ACIS-S-6	7.34	2496	-0.038	0.024	0.009	0.015	0.000000	0.000000	402.07	814.41
3	GUIDE	371204680	8.31	5012	0.023	-0.021	0.075	0.118	39.715200	39.150194	-709.86	-765.48
4	GUIDE	371209936	8.91	5016	-0.012	-0.057	0.093	0.144	39.300739	38.838291	-230.13	-2306.79
5	GUIDE	371732936	9.05	5010	-0.109	-0.097	0.076	0.121	39.809928	39.516777	-1771.54	61.27
6	GUIDE	371215520	8.21	5016	0.010	0.001	0.070	0.114	39.565116	38.388424	1550.43	-2374.19
7	GUIDE	372903184	9.05	5013	0.092	0.173	0.100	0.155	40.811300	39.366216	-52.21	2317.74

2.4 Star Slots

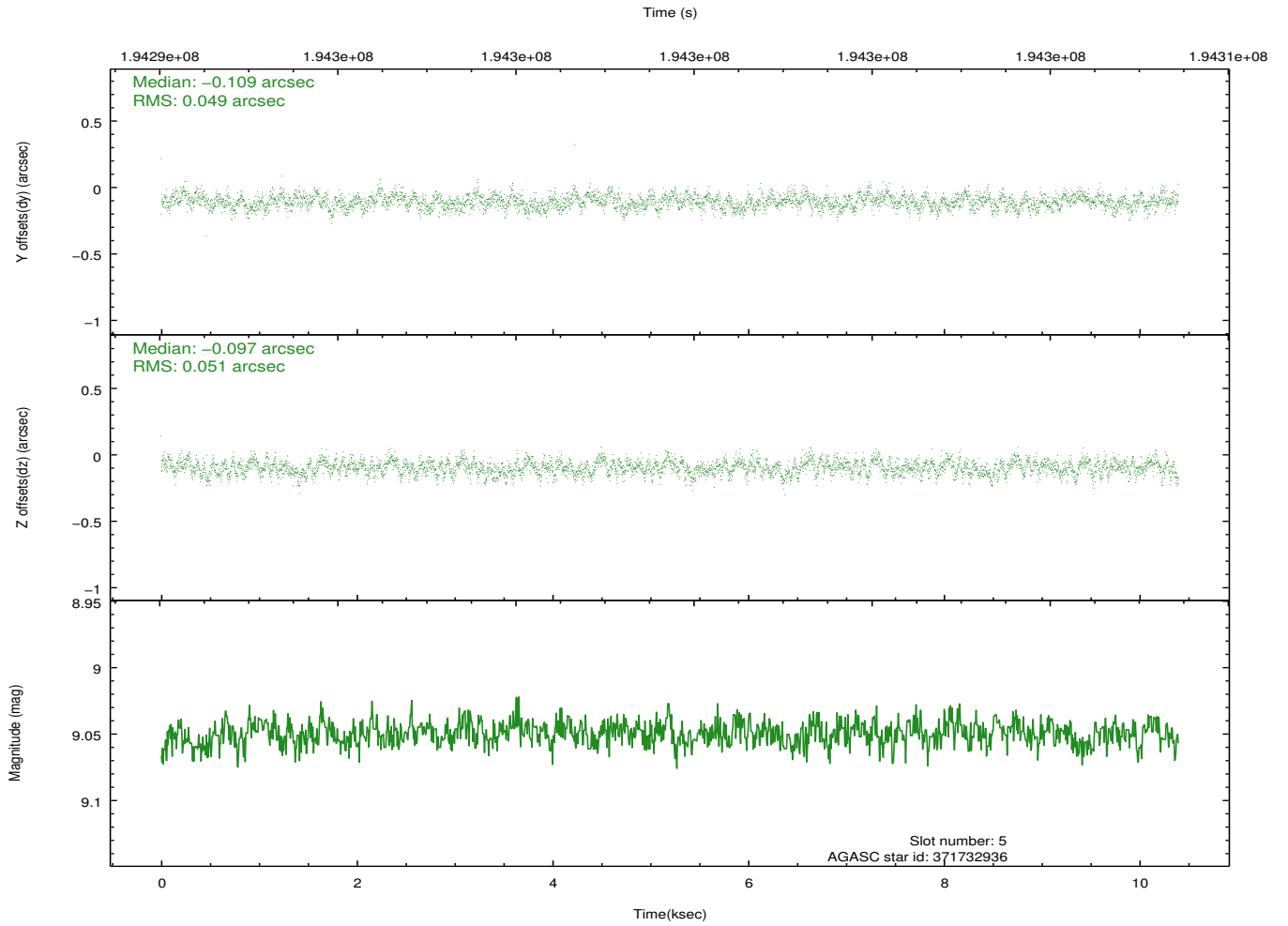
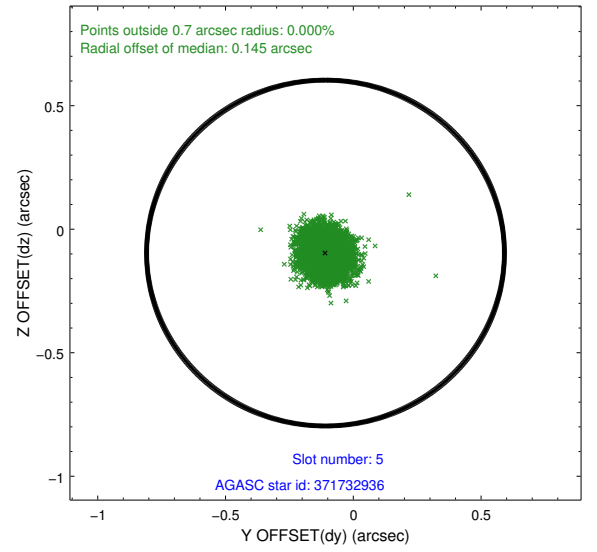
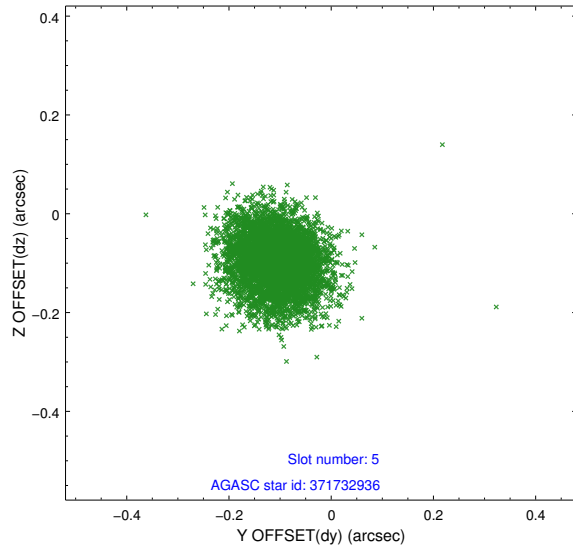
2.4.1 Slot 3



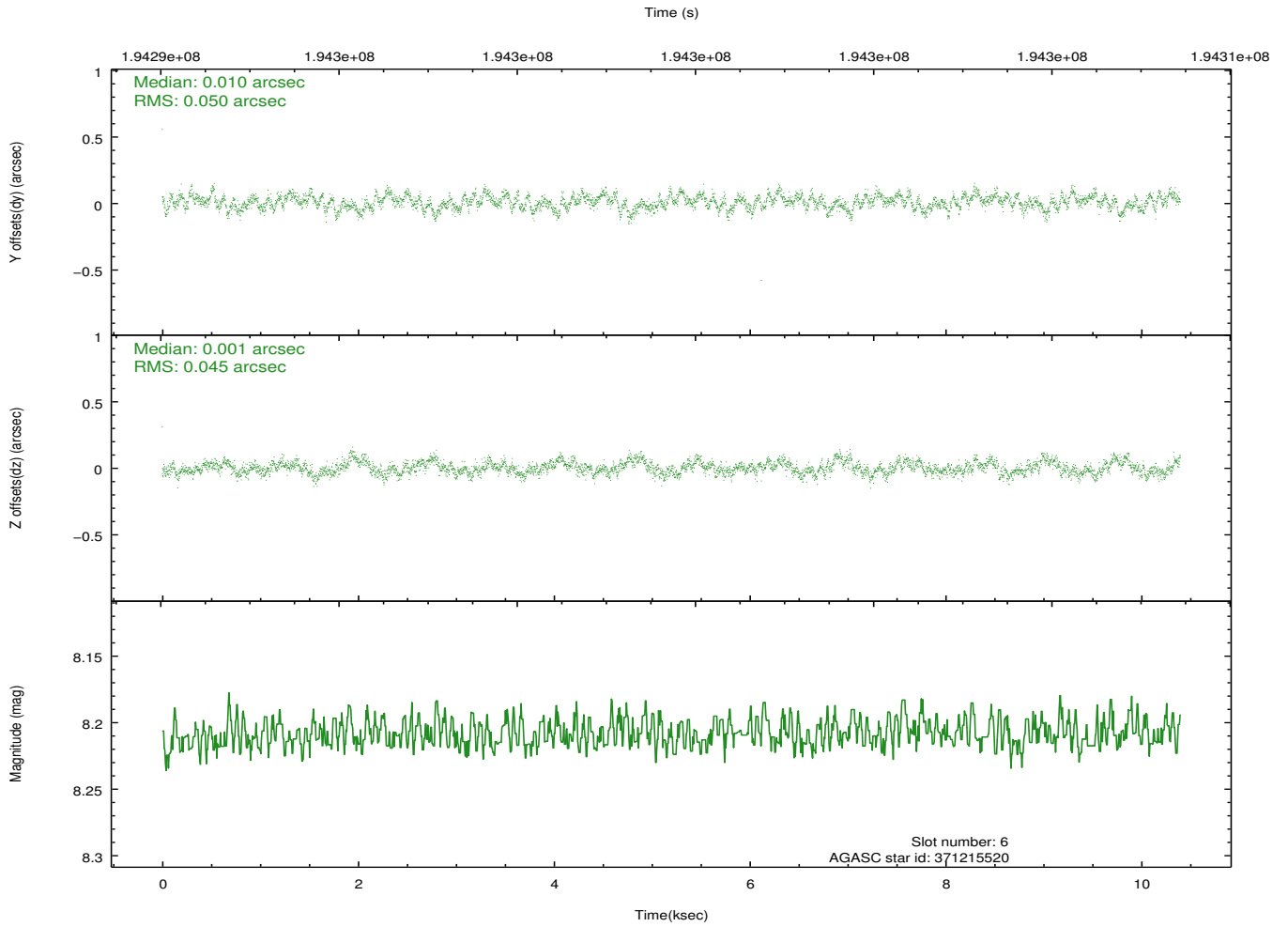
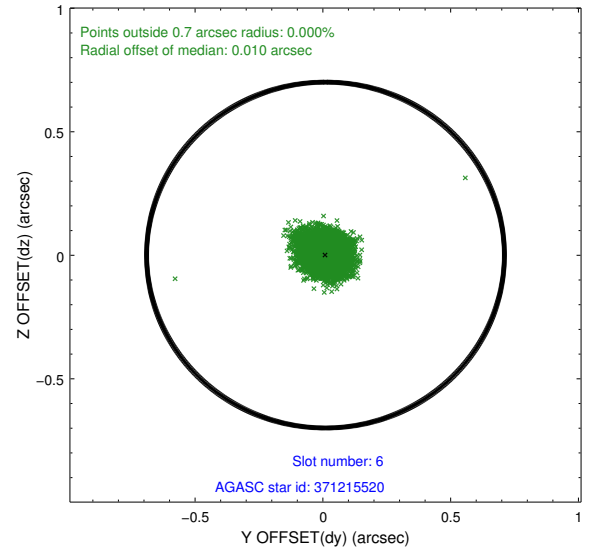
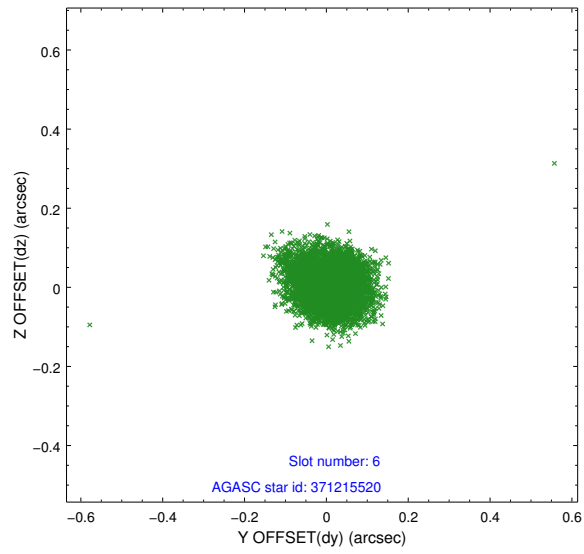
2.4.2 Slot 4



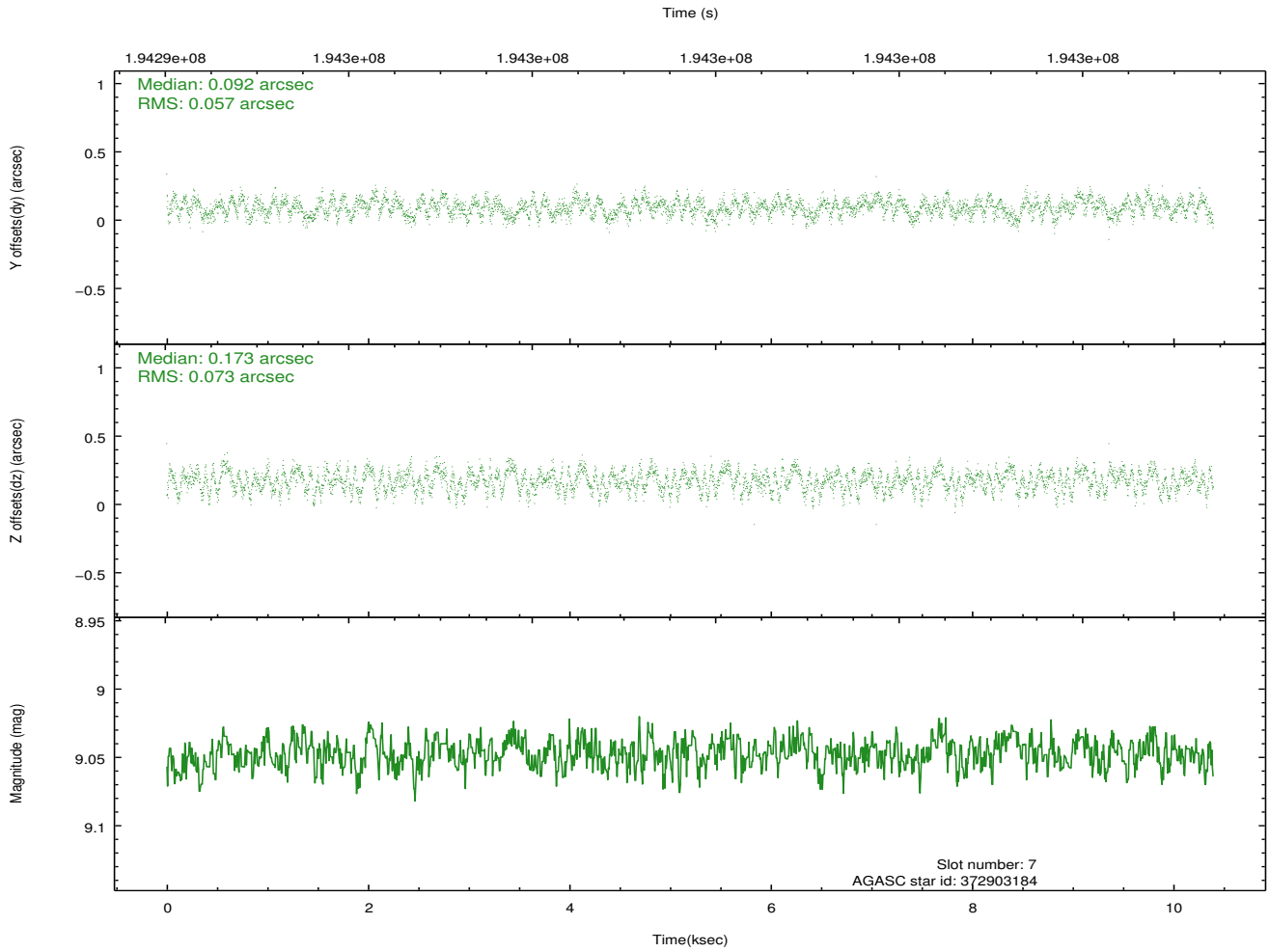
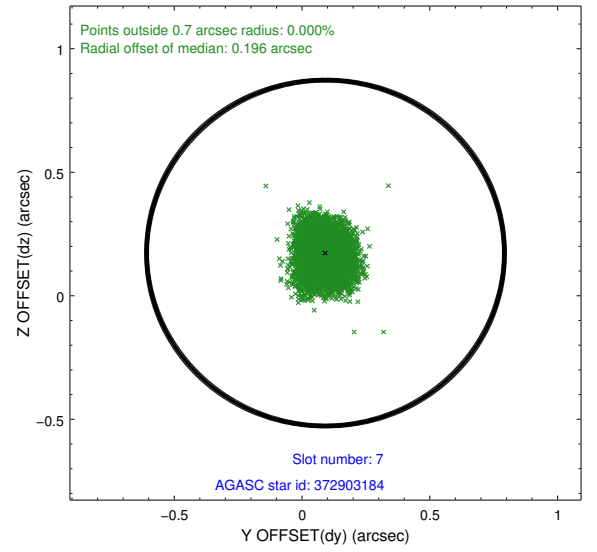
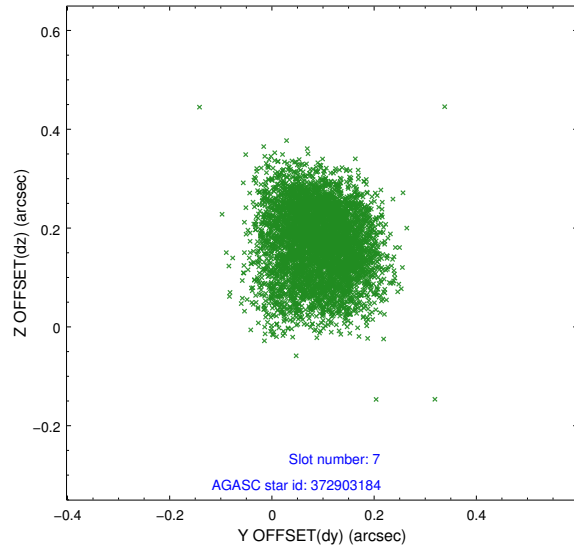
2.4.3 Slot 5



2.4.4 Slot 6

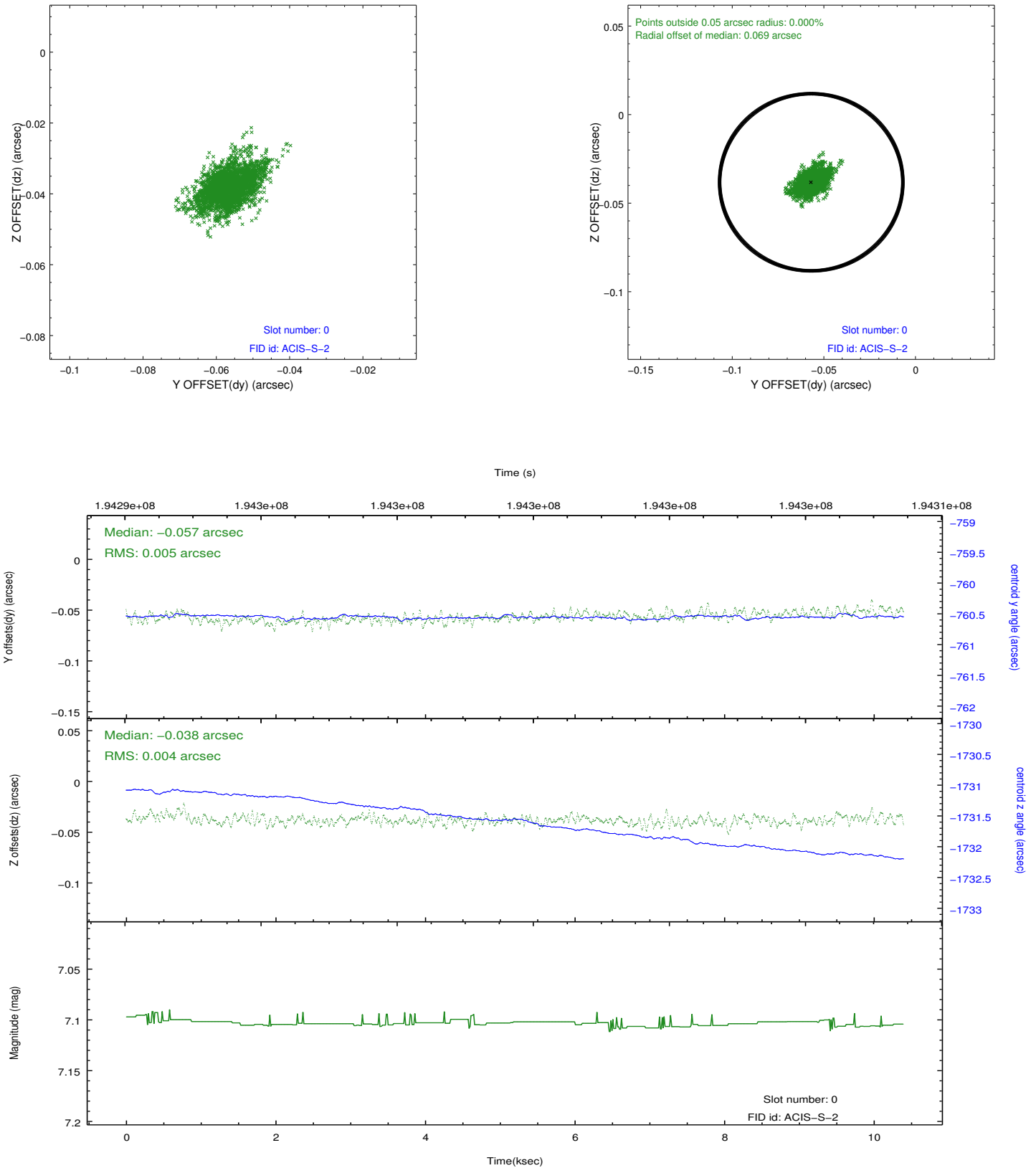


2.4.5 Slot 7

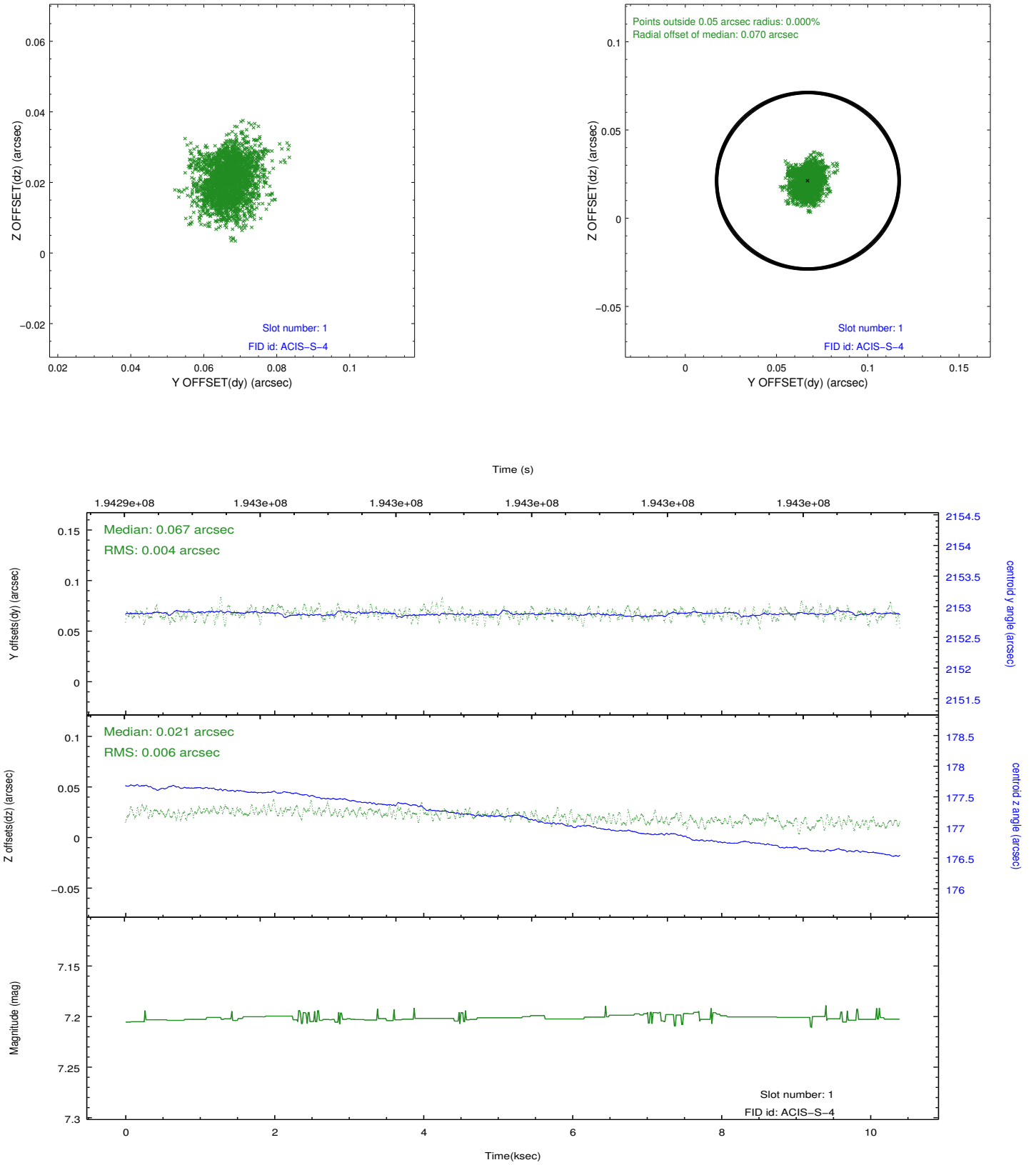


2.5 FID Slots

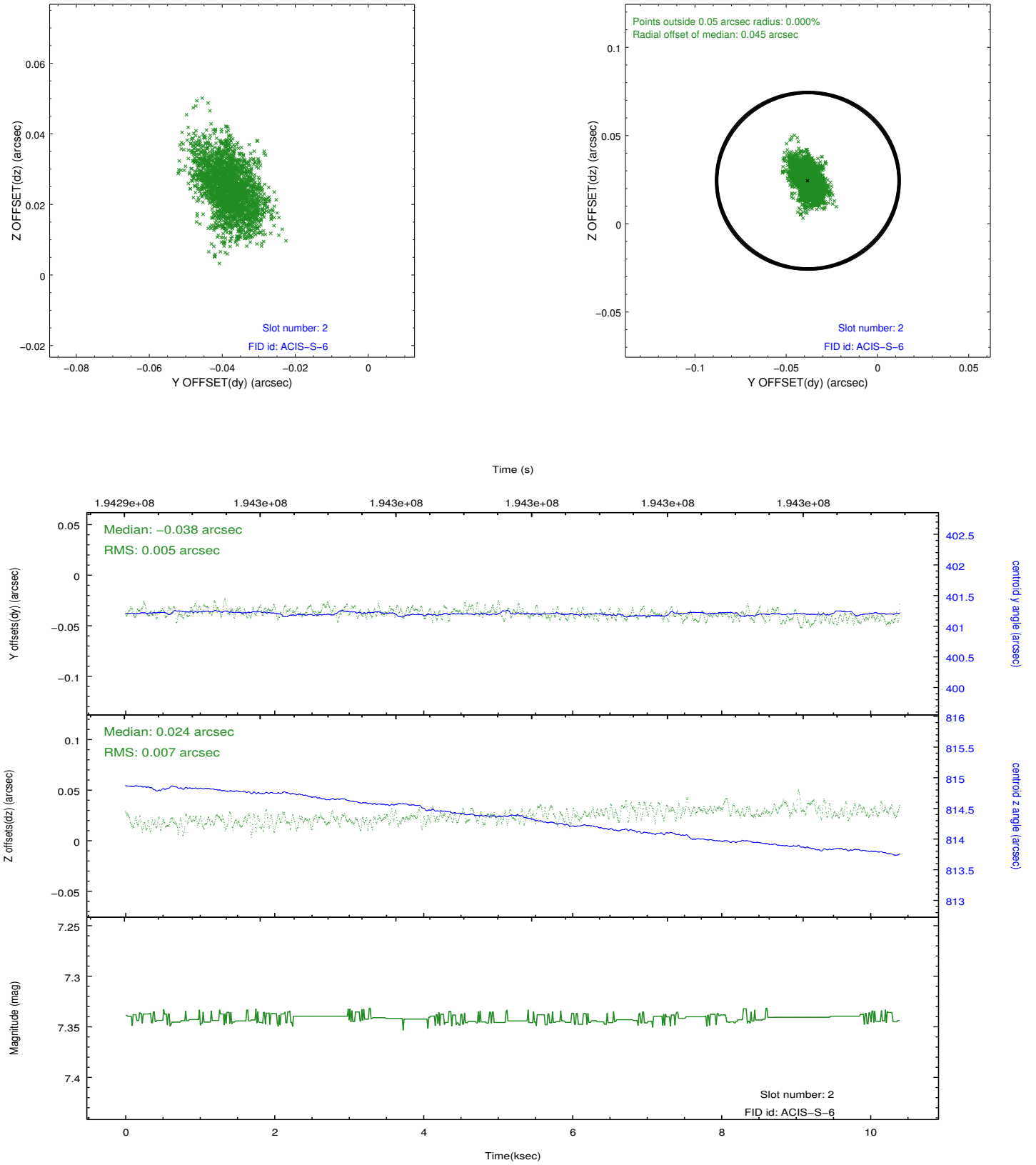
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.372

A.2 Comments

The bias map for CCD_ID = 8 was incomplete because of data gaps in telemetry. The bias map was reconstructed using scaled data from a comparable bias map for another observation to fill missing telemetry. The pixels affected by the anomaly are bounded by sky coords:
(39.98649,39.13648),(39.90551,39.26120),(39.90252,39.26003),(39.98350,39.13531)