

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3464 - L2 Version 3
Chandra X-Ray Center

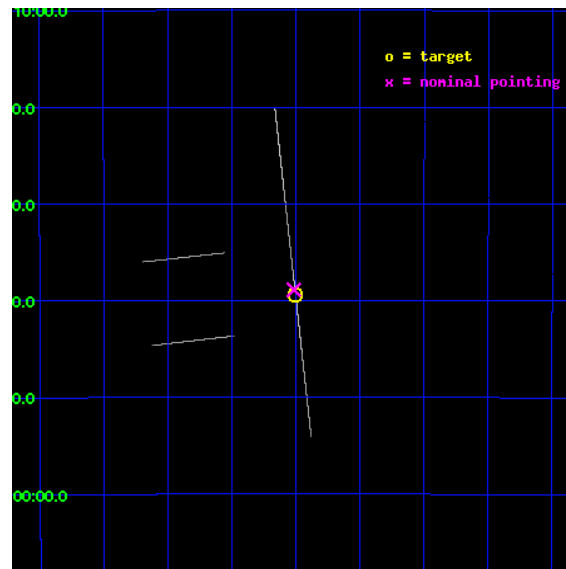
L2 Processing Date : Oct 4 2012

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1 Front

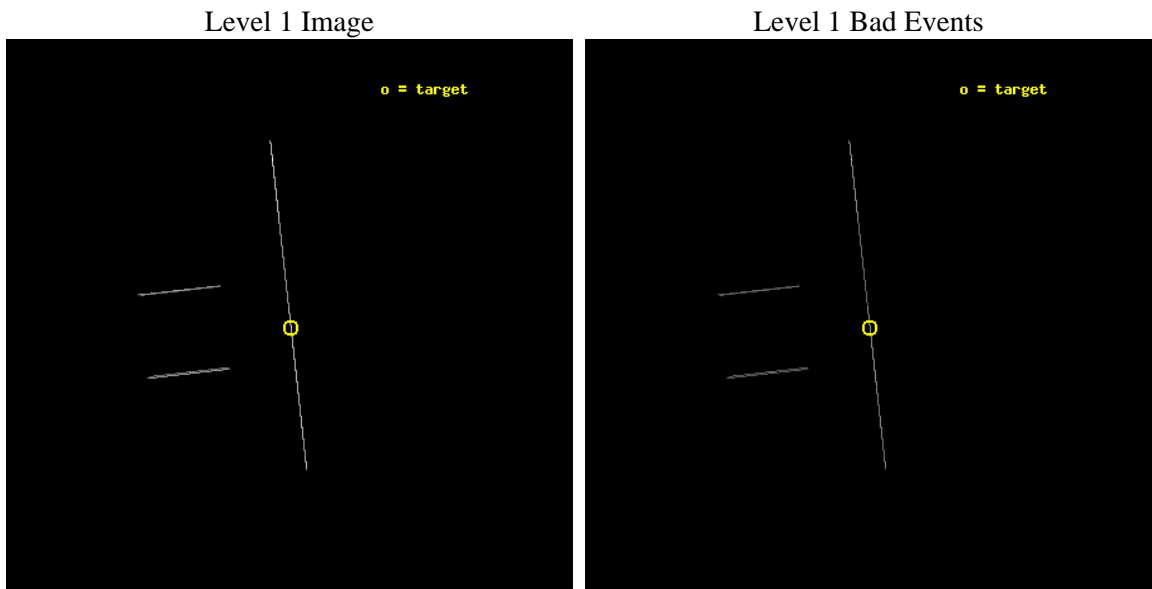
seq_num	400239	Sequence number
obs_id	3464	Observation id
title	A FAINT NEUTRON STAR SOFT X-RAY TRANSIENT RETURNING TO QUIESCENCE	
observer	dr Peter Jonker	Principal investigator
object	RX J170930.2-263927	Source name
ra_targ	257.375833	Observer's specified target RA [deg]
dec_targ	-26.6575	Observer's specified target Dec [deg]
ra_nom	257.37901117658	Nominal RA [deg]
dec_nom	-26.64817075101	Nominal Dec [deg]
roll_nom	83.580853395349	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5143.5	Sum of GTIs [s]
livetime	5123.408203125	Livetime [s]
ontime2	5143.5	Sum of GTIs [s]
ontime3	5143.5	Sum of GTIs [s]
ontime5	5143.5	Sum of GTIs [s]
ontime6	5143.5	Sum of GTIs [s]
ontime7	5143.5	Sum of GTIs [s]
ontime8	5143.5	Sum of GTIs [s]
l2events	59741	Number of level 2 events



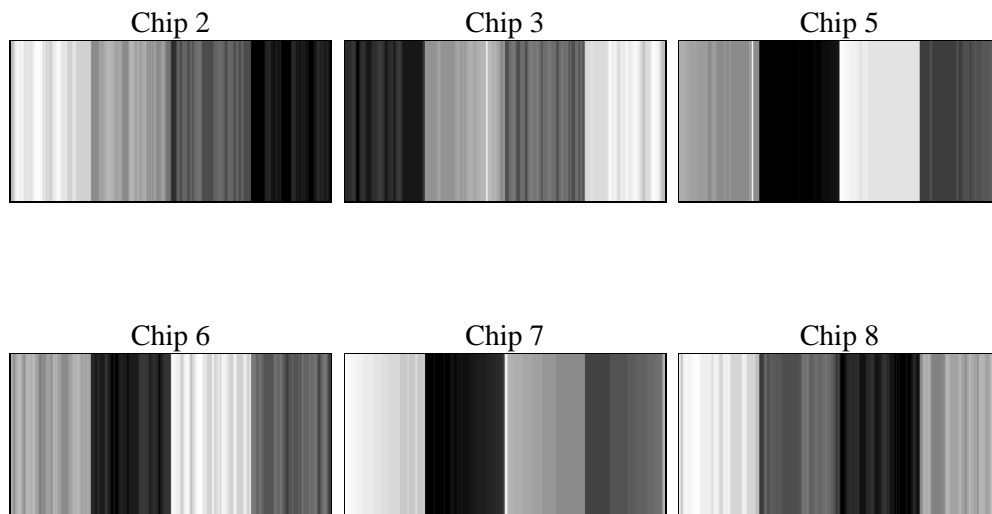
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5143.5	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5143.5	Sum of GTIs [s]
date	2012-10-04T16:19:11	Date and time of file creation	ontime3	5143.5	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5143.5	Sum of GTIs [s]
			ontime6	5143.5	Sum of GTIs [s]
			ontime7	5143.5	Sum of GTIs [s]
			ontime8	5143.5	Sum of GTIs [s]
			l1events	107281	Number of level 1 events

2.1.4 Events

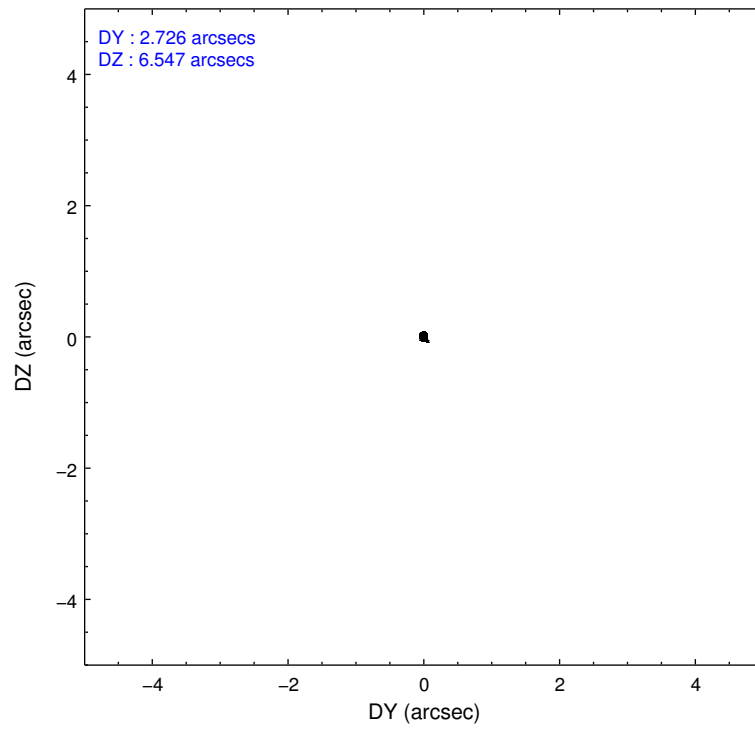
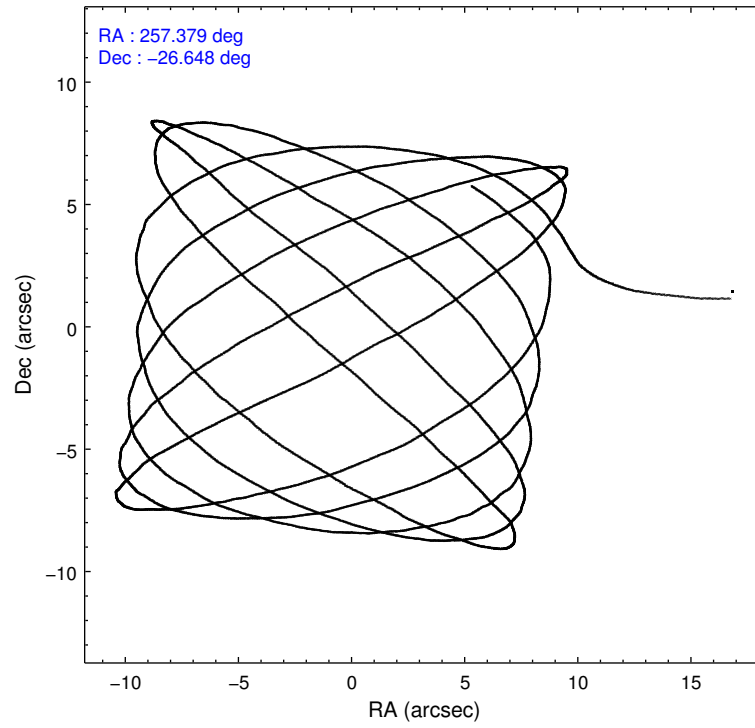
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7695	8599	38705	8437	27227	16618
rejected events	2281	2597	8762	2618	7482	4385
rejected %	29%	30%	22%	31%	27%	26%

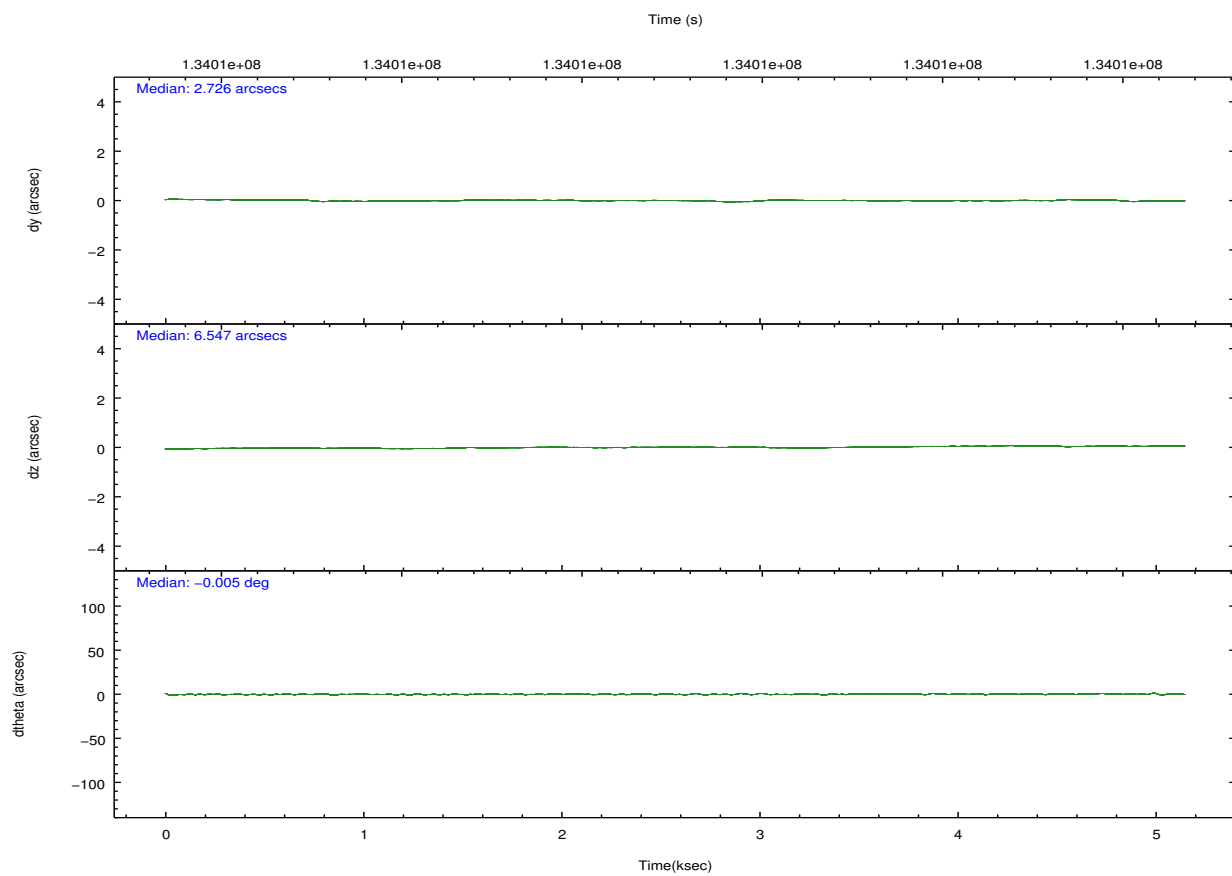
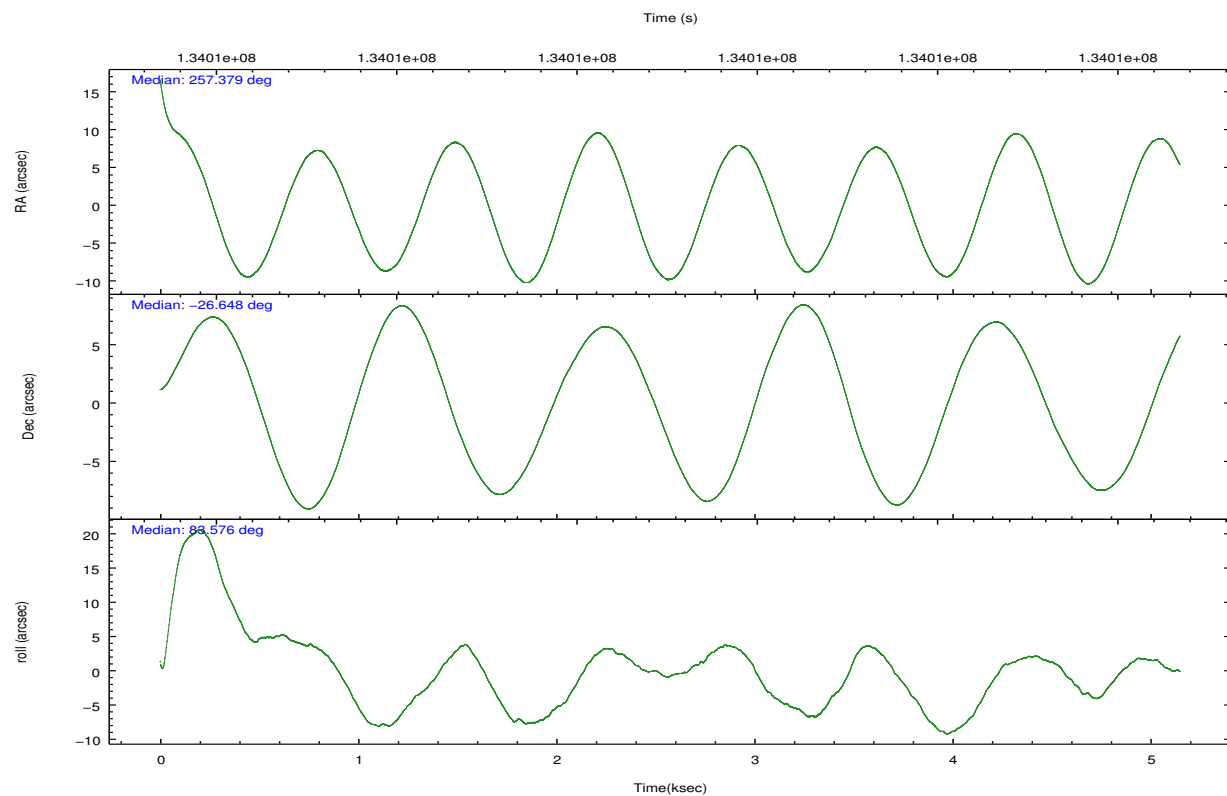
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	933	988	10187	873	2892	2958
	12%	11%	26%	10%	10%	17%
grade 1 events	23	35	50	22	50	58
	0%	0%	0%	0%	0%	0%
grade 2 events	2527	2757	9251	2723	5583	4468
	32%	32%	23%	32%	20%	26%
grade 3 events	827	1060	877	866	1949	1678
	10%	12%	2%	10%	7%	10%
grade 4 events	808	947	812	865	1830	1699
	10%	11%	2%	10%	6%	10%
grade 5 events	1292	1424	3365	1534	4176	2121
	16%	16%	8%	18%	15%	12%
grade 6 events	1285	1388	14163	1554	10747	3636
	16%	16%	36%	18%	39%	21%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	257.391470	257.3790111765756	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.673036	-26.64817075101022	Alternating exposures requested	N	N
[deg] Pointing Roll	83.429851	83.58085339534894	[s] Primary exposure time	0.000000	0
[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)	134009089.184000	134008008.72581			
Observation start date	2002-04-01T00:43:45	2002-04-01T00:26:48			
[s] Observation end time (MET)	134014089.184000	134014851.11359			
Observation end date	2002-04-01T02:07:05	2002-04-01T02:20:51			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



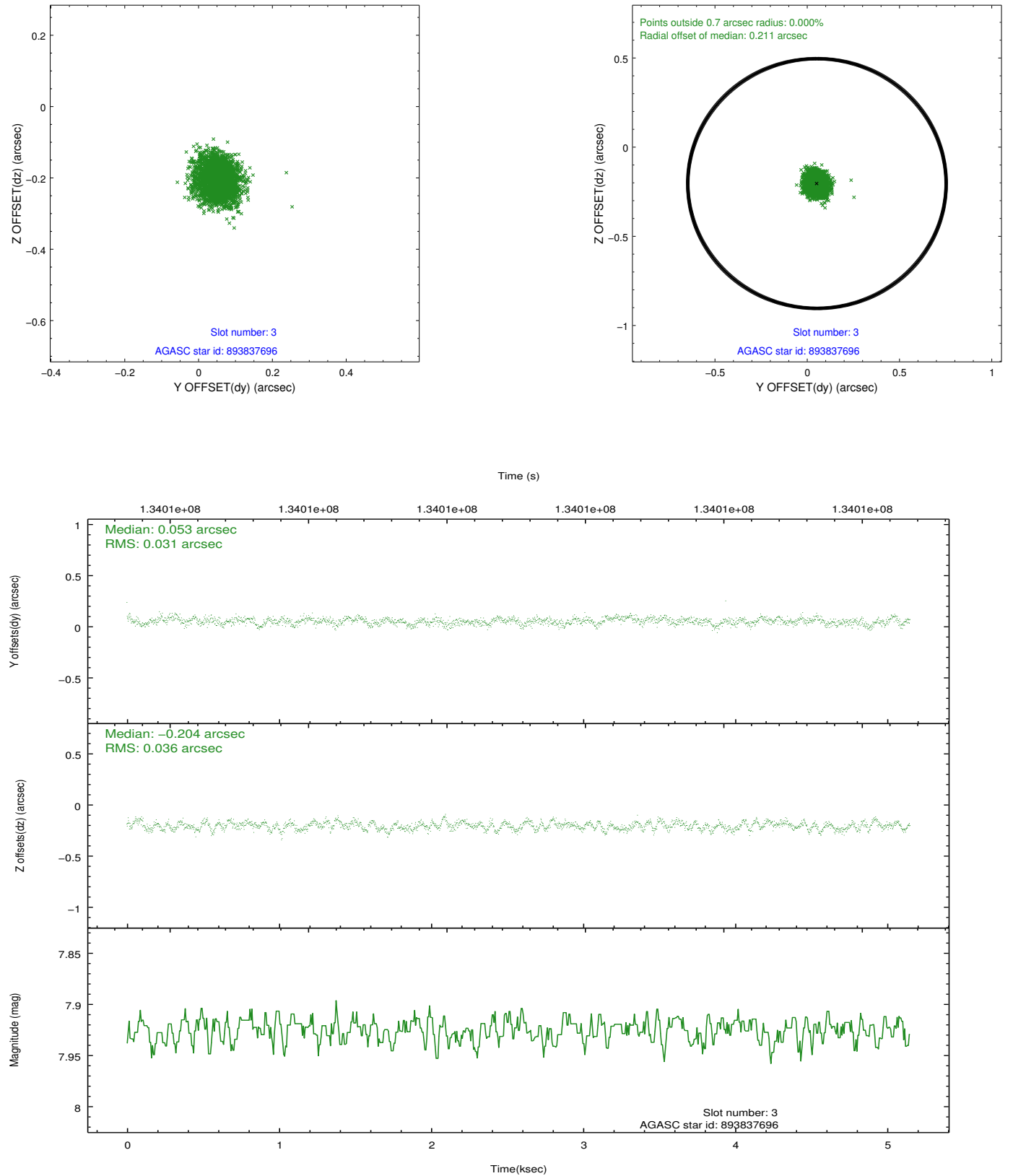


Slot Statistics

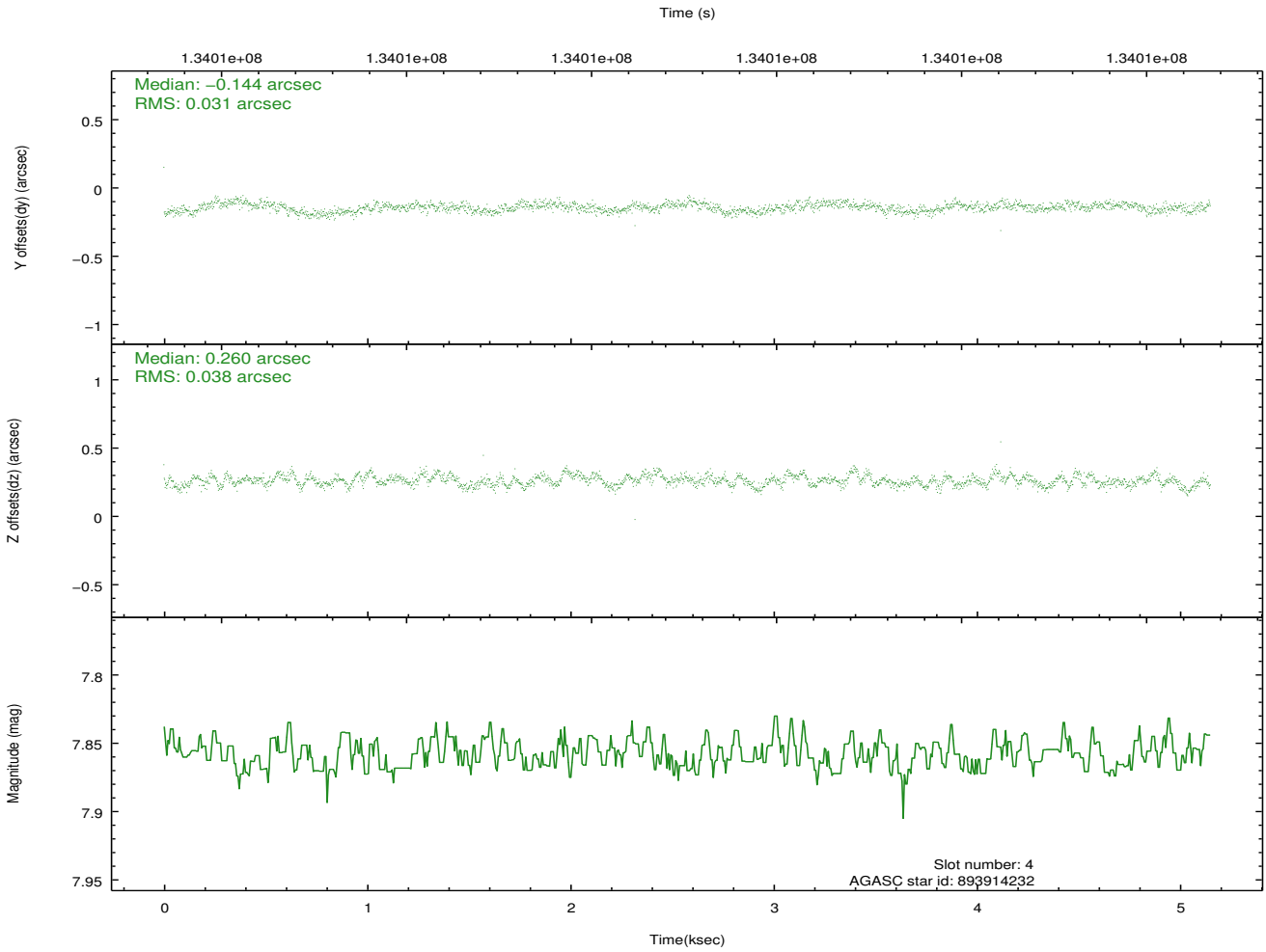
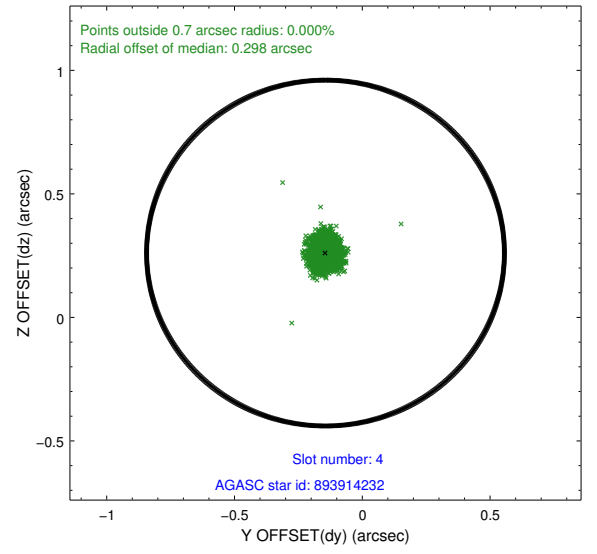
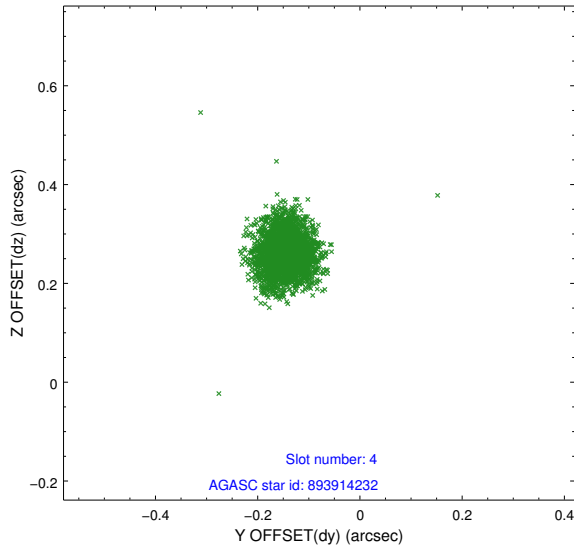
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1255	-0.025	0.030	0.006	0.011	0.000000	0.000000	-755.36	-1727.68
1	FID	ACIS-S-4	7.00	1255	-0.027	0.004	0.005	0.009	0.000000	0.000000	2157.35	179.60
2	FID	ACIS-S-5	6.99	1255	0.021	-0.025	0.006	0.011	0.000000	0.000000	-1806.67	174.53
3	GUIDE	893837696	7.93	2512	0.053	-0.204	0.051	0.081	257.277958	-26.423720	849.70	465.68
4	GUIDE	893914232	7.86	2512	-0.144	0.260	0.051	0.082	257.948003	-26.439334	1037.62	-1686.26
5	GUIDE	893913752	8.68	2511	0.197	0.118	0.060	0.100	257.717246	-26.451689	911.20	-952.99
6	GUIDE	893837592	9.30	2510	-0.083	-0.220	0.087	0.137	256.924631	-26.316123	1101.60	1642.35
7	GUIDE	893835576	8.92	2504	-0.022	0.045	0.070	0.113	257.152526	-26.836742	-673.57	695.23

2.4 Star Slots

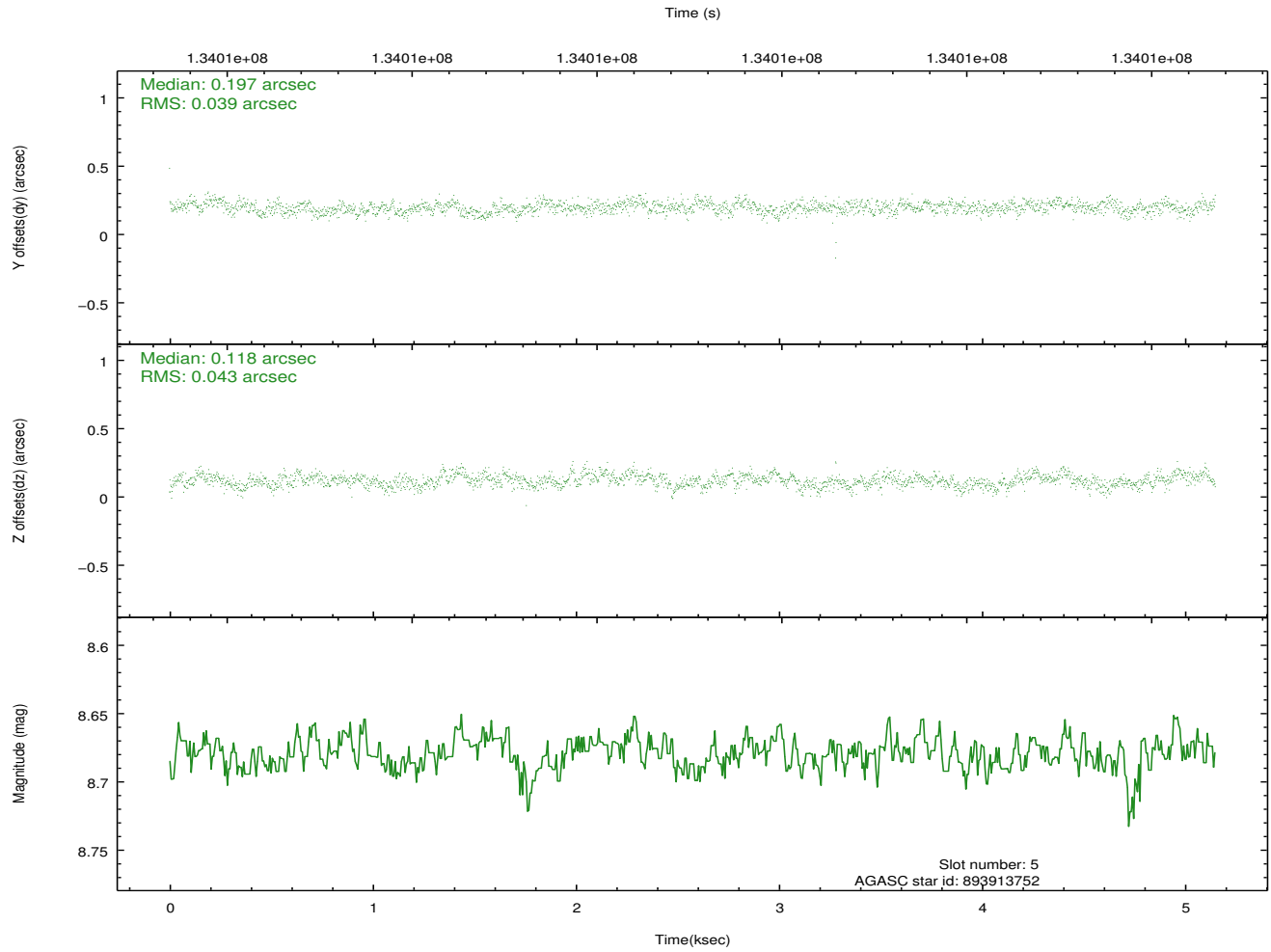
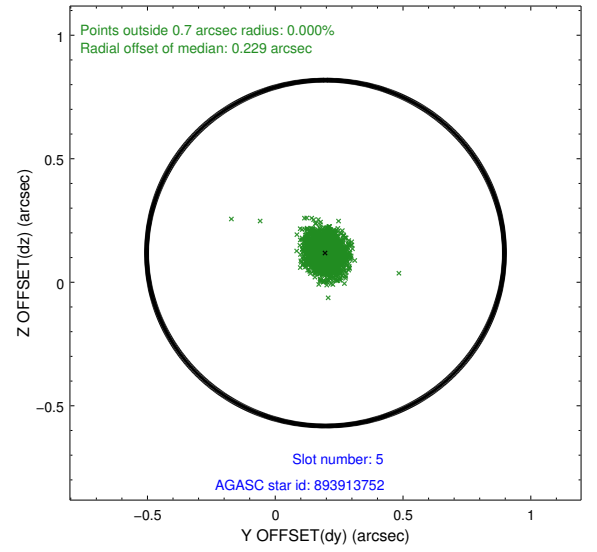
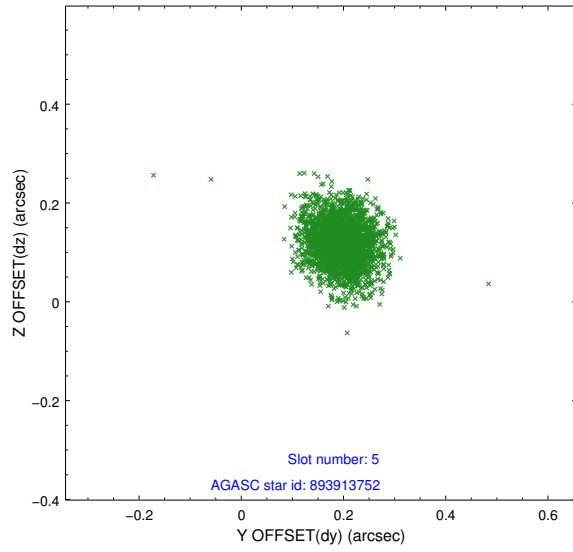
2.4.1 Slot 3



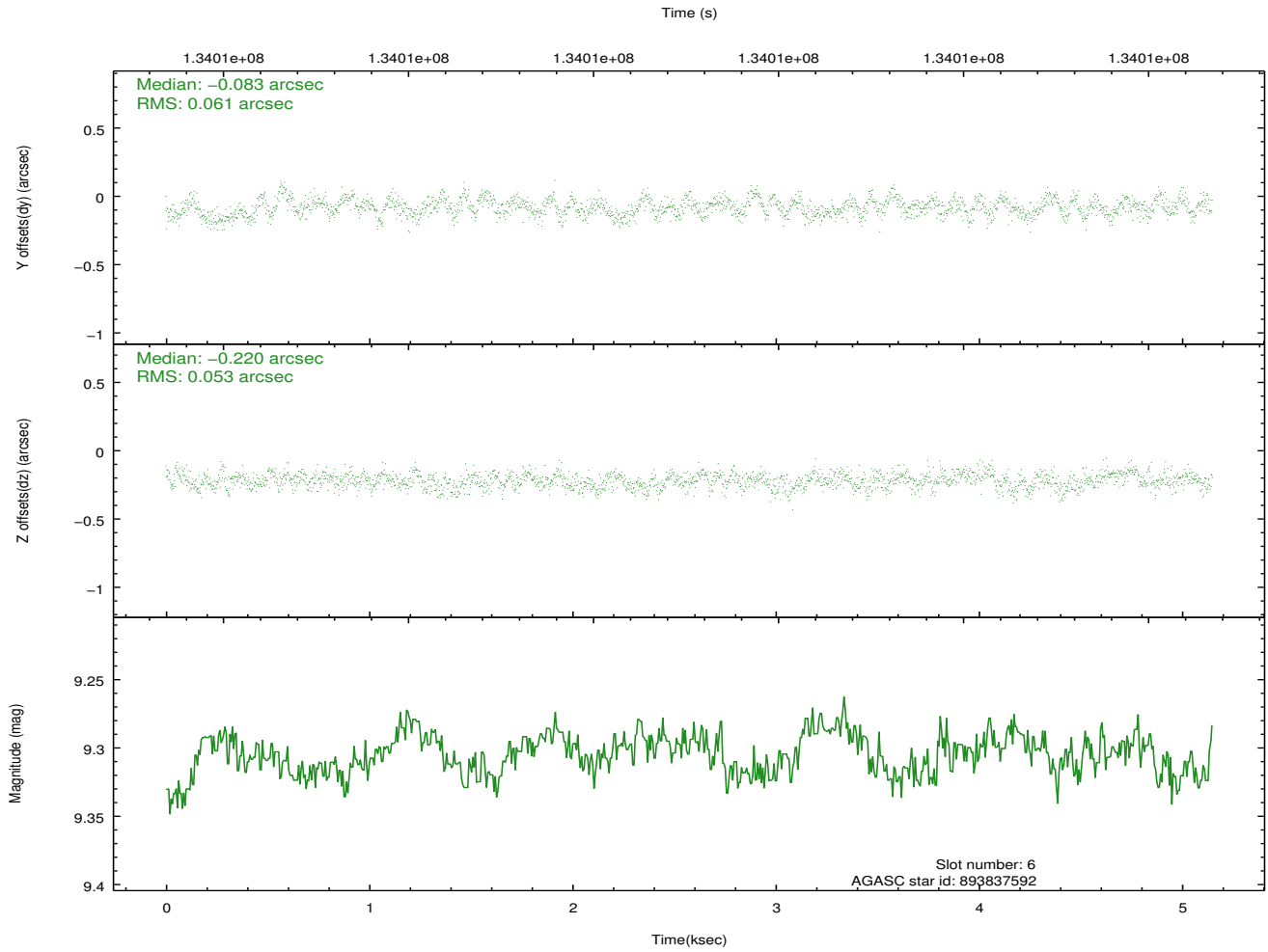
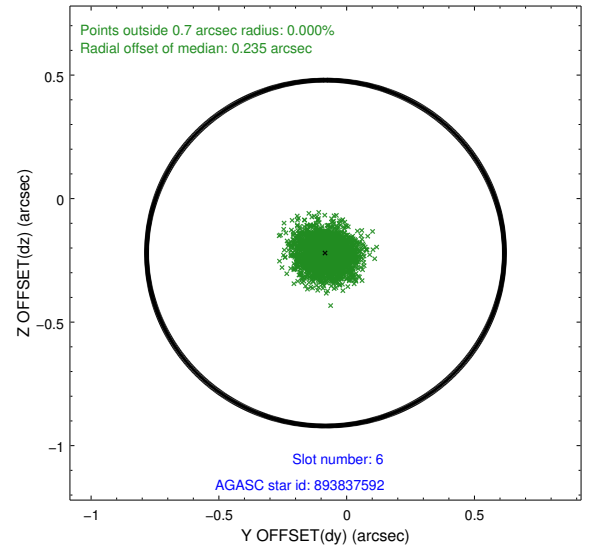
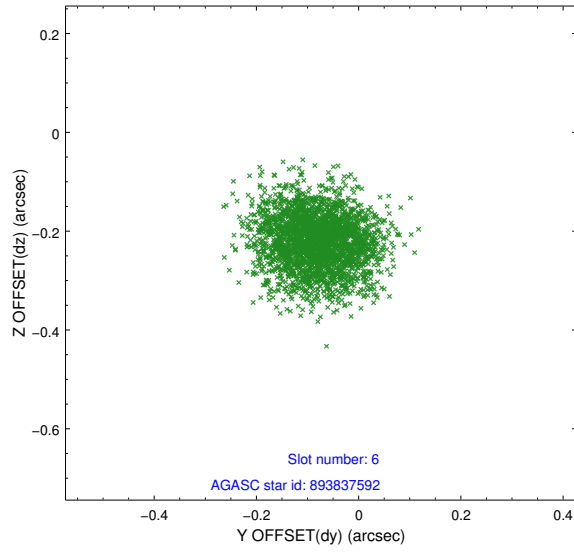
2.4.2 Slot 4



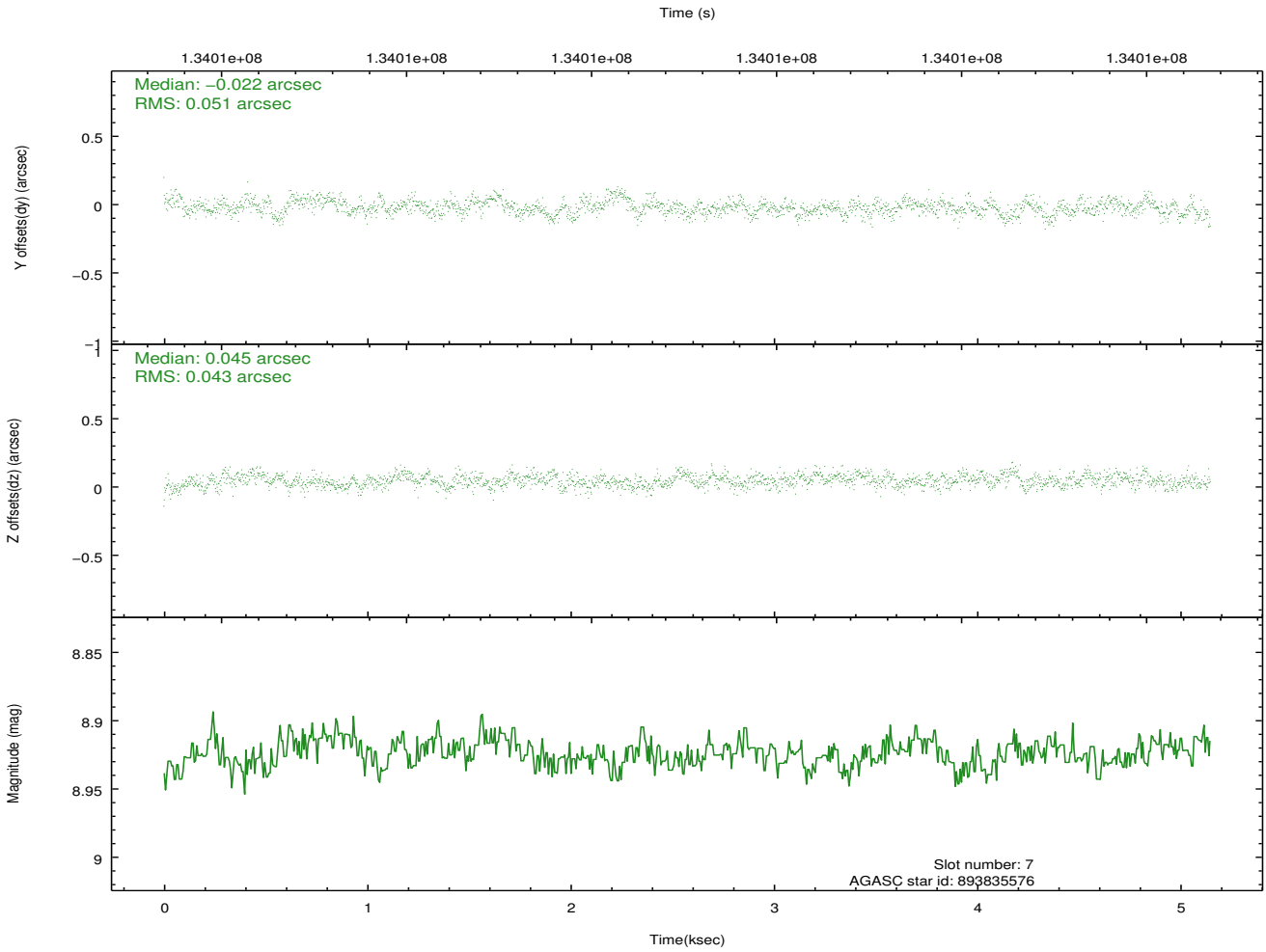
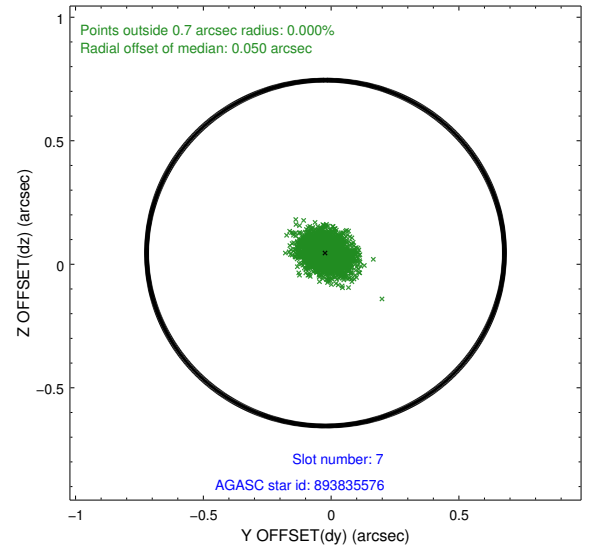
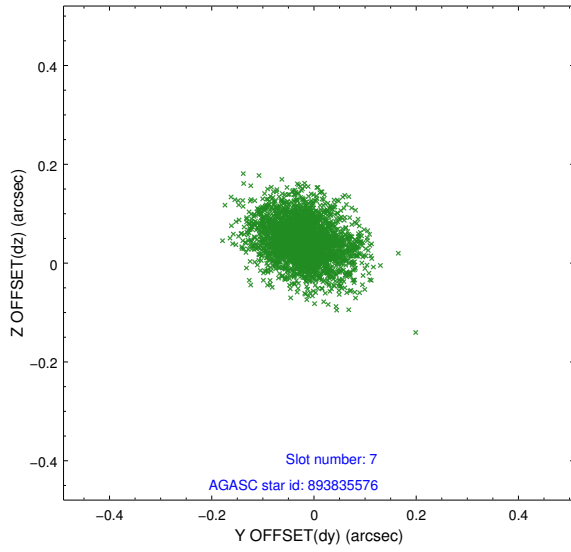
2.4.3 Slot 5



2.4.4 Slot 6

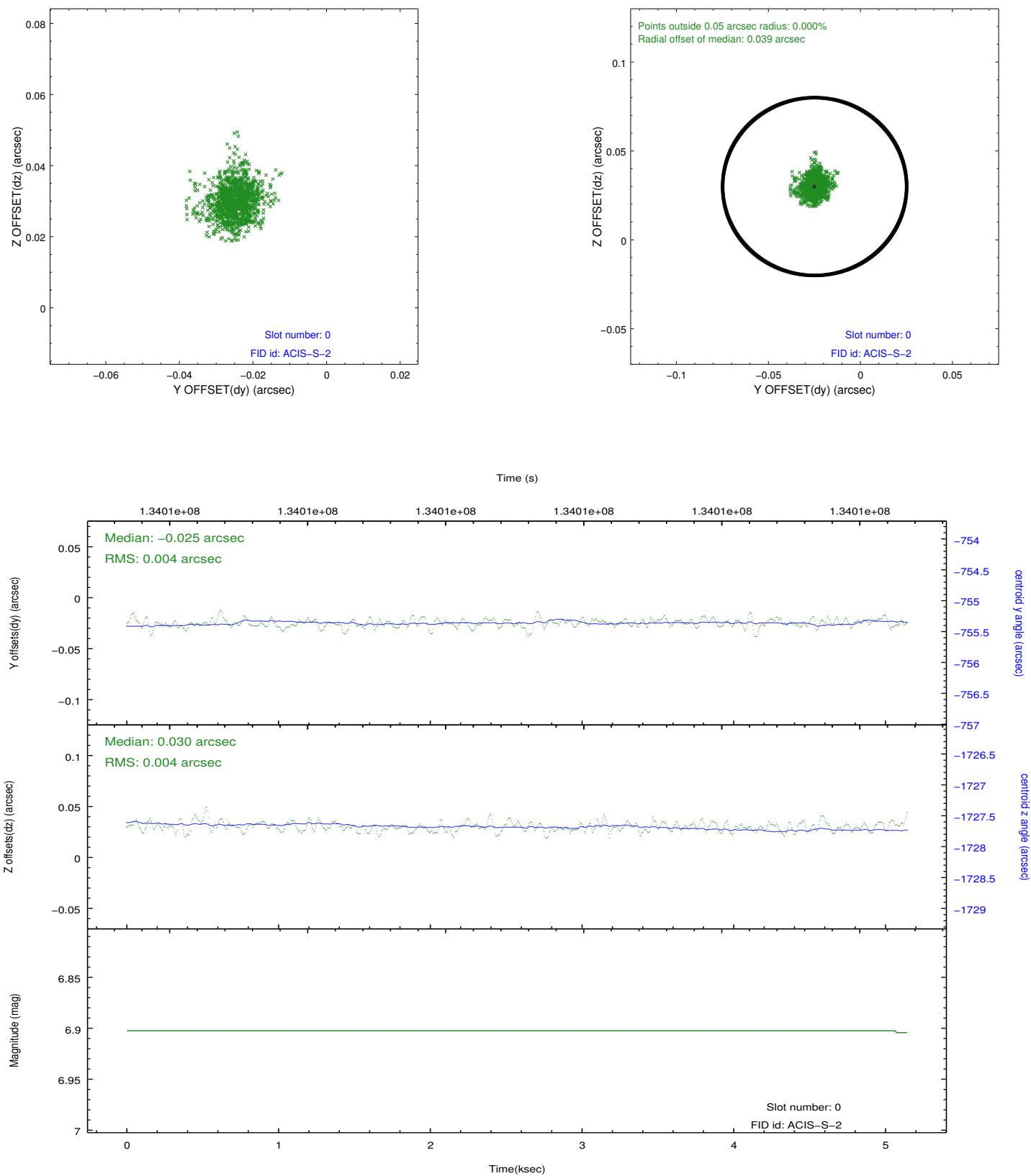


2.4.5 Slot 7

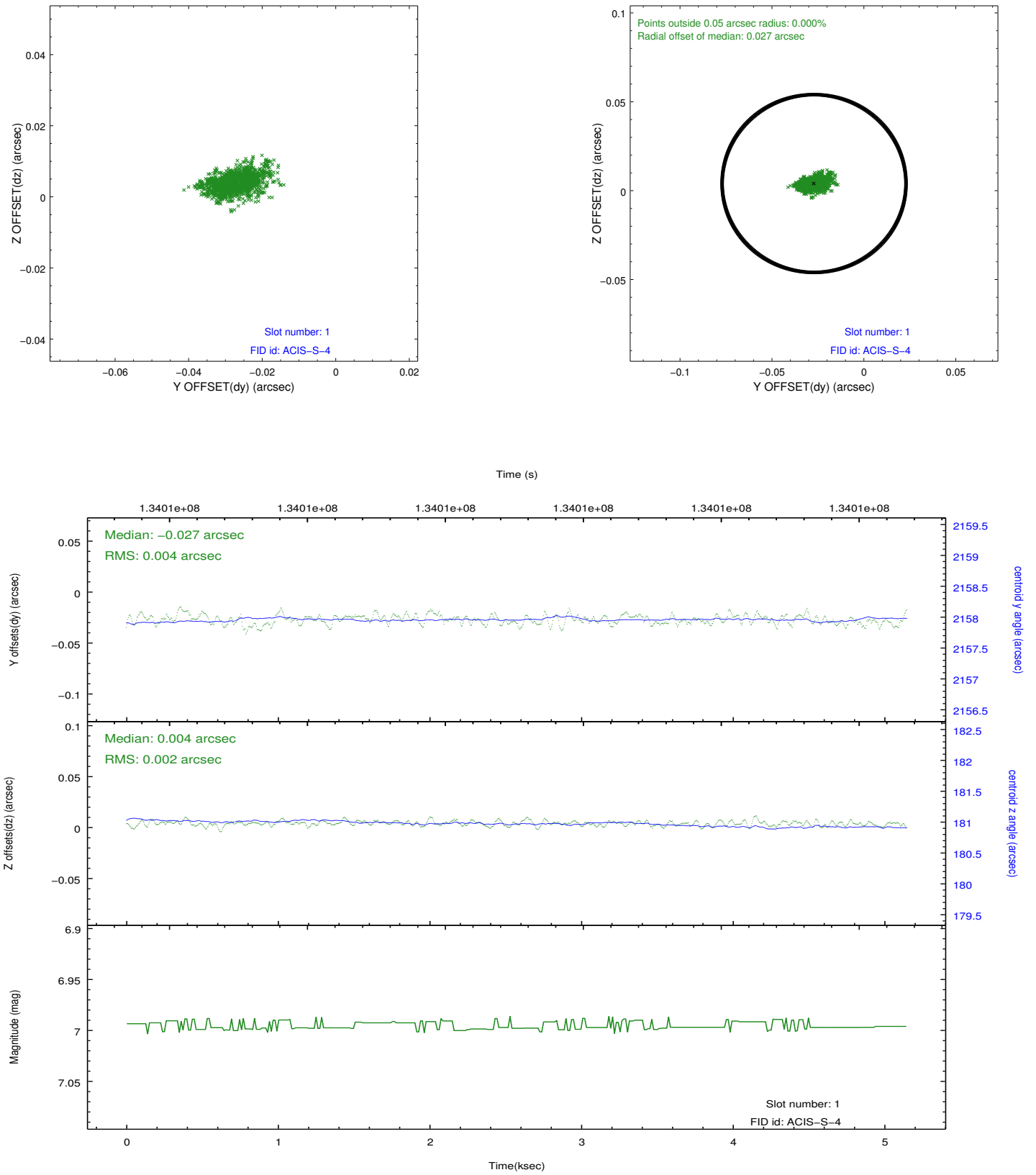


2.5 FID Slots

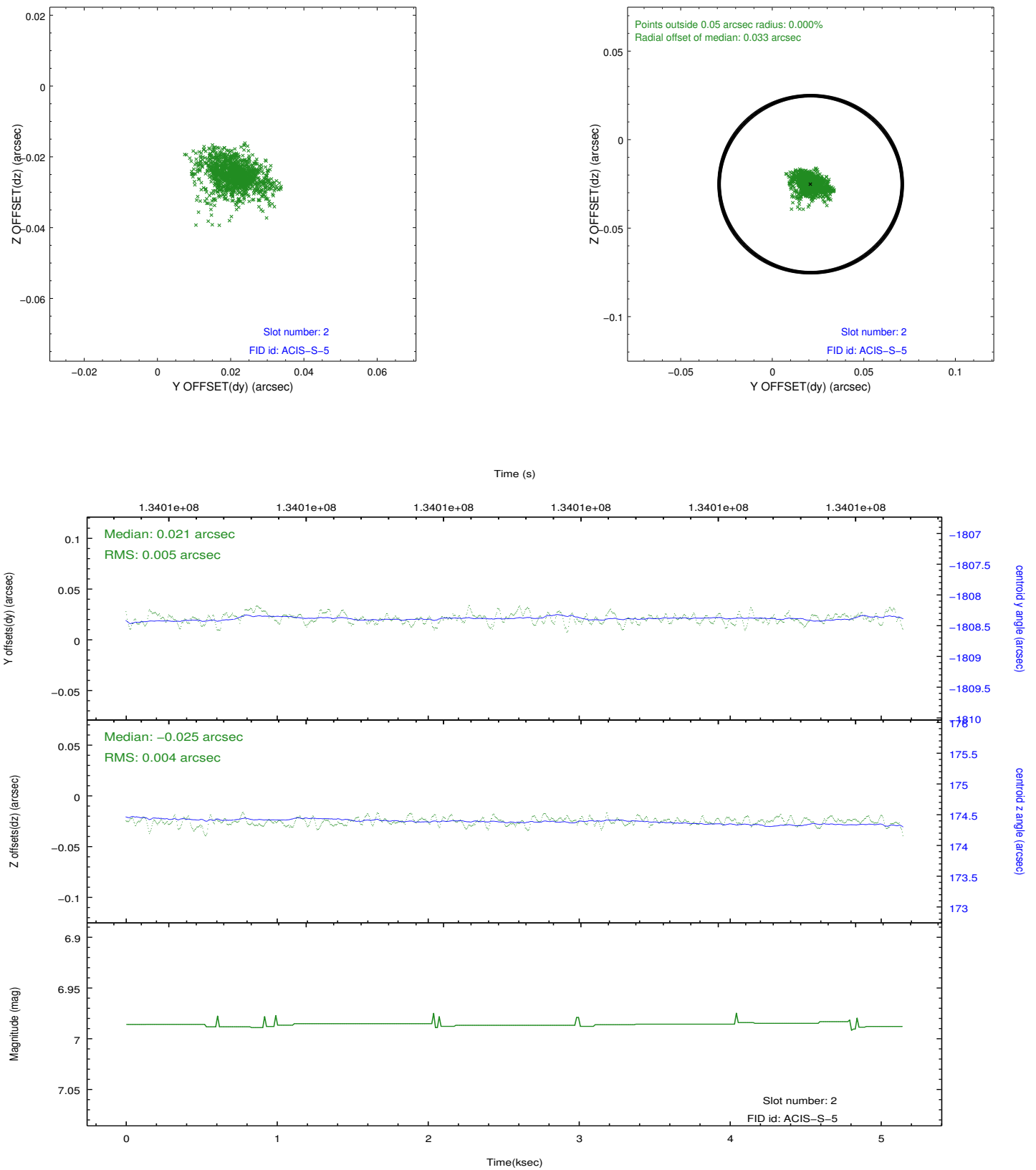
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.147

A.2 Comments