

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13644 - L2 Version 1
Chandra X-Ray Center

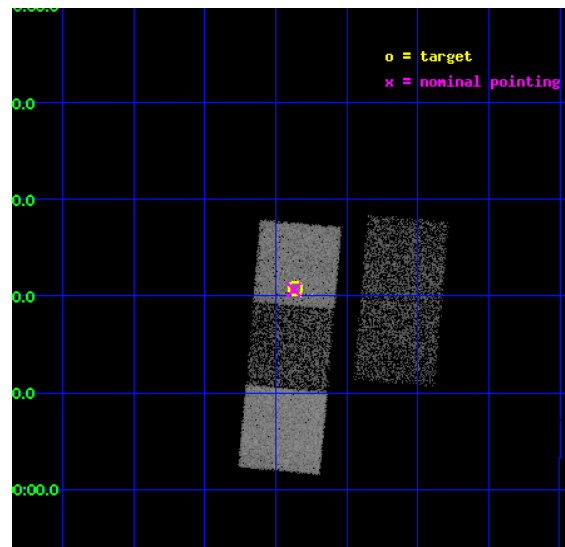
L2 Processing Date : Mar 4 2012

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1 Front

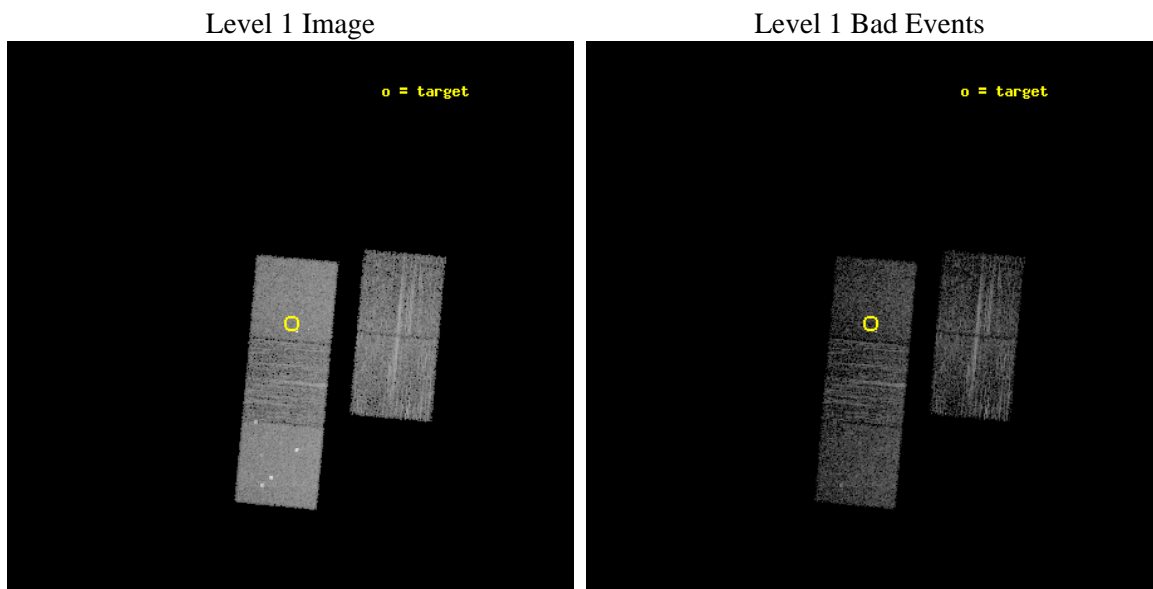
seq_num	200798	Sequence number
obs_id	13644	Observation id
title	LIVING WITH A RED DWARF: MAGNETIC ACTIVITY, XUV IRRADIANCES OF dM STARS - EXOPLANET ATMOSPHERES AND ENVIRONMENT IMPACTS	Proposal titl
observer	Dr. Edward Guinan	Principal investigator
object	40 Eri C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	63.840417	Observer's specified target RA [deg]
dec_targ	-7.654806	Observer's specified target Dec [deg]
ra_nom	63.843155019358	Nominal RA [deg]
dec_nom	-7.6562142075067	Nominal Dec [deg]
roll_nom	275.07137036808	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5064.5490612984	Sum of GTIs [s]
livetime	4998.3769993457	Livetime [s]
ontime2	5064.3849012852	Sum of GTIs [s]
ontime3	5064.4259412885	Sum of GTIs [s]
ontime5	5064.5080212951	Sum of GTIs [s]
ontime6	5064.4669812918	Sum of GTIs [s]
ontime7	5064.5490612984	Sum of GTIs [s]
l2events	48902	Number of level 2 events



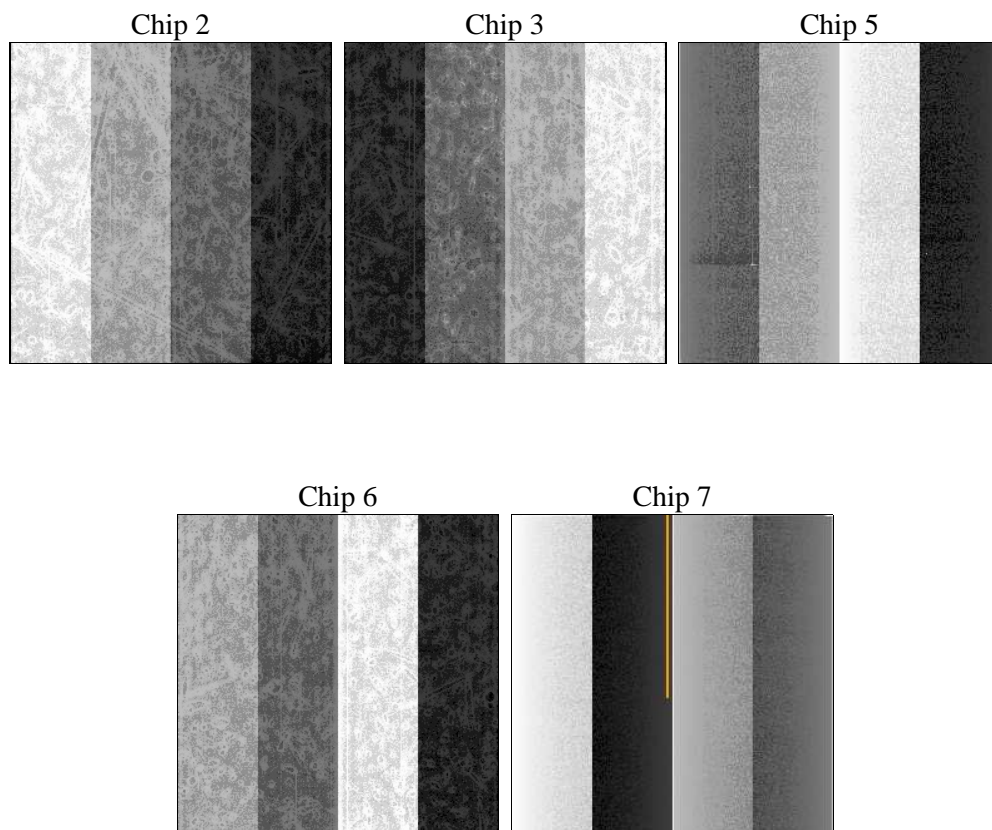
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5064.5490612984	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	5064.3849012852	Sum of GTIs [s]
date	2012-03-04T21:13:51	Date and time of file creation	ontime3	5064.4259412885	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	5064.5080212951	Sum of GTIs [s]
			ontime6	5064.4669812918	Sum of GTIs [s]
			ontime7	5064.5490612984	Sum of GTIs [s]
			l1events	179095	Number of level 1 events

2.1.4 Events

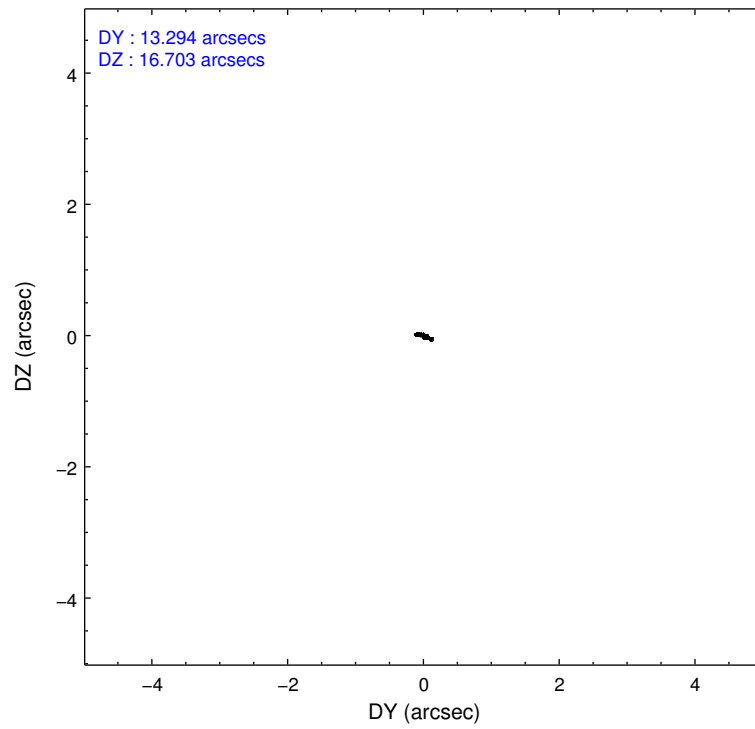
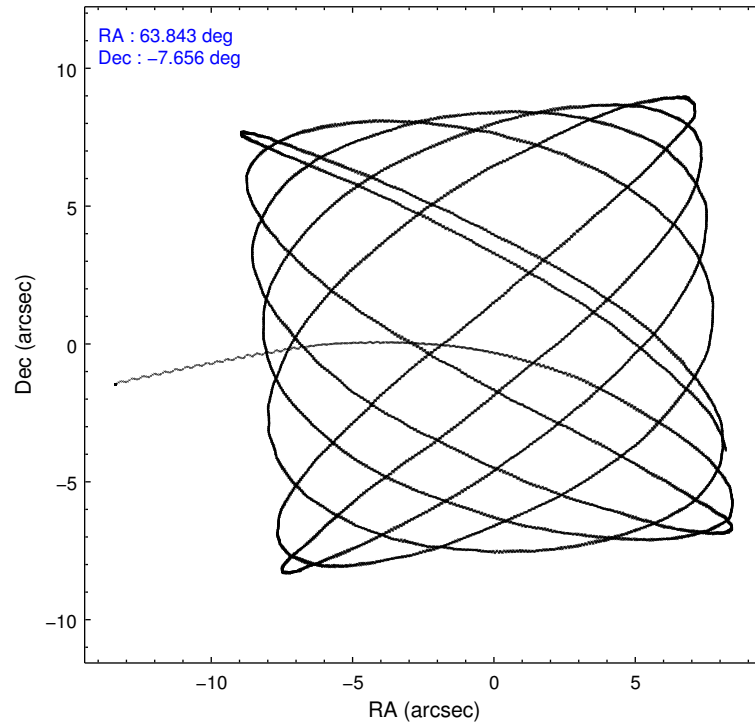
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	30883	27663	50460	29559	40530
rejected events	27512	24363	24517	25964	22012
rejected %	89%	88%	48%	87%	54%

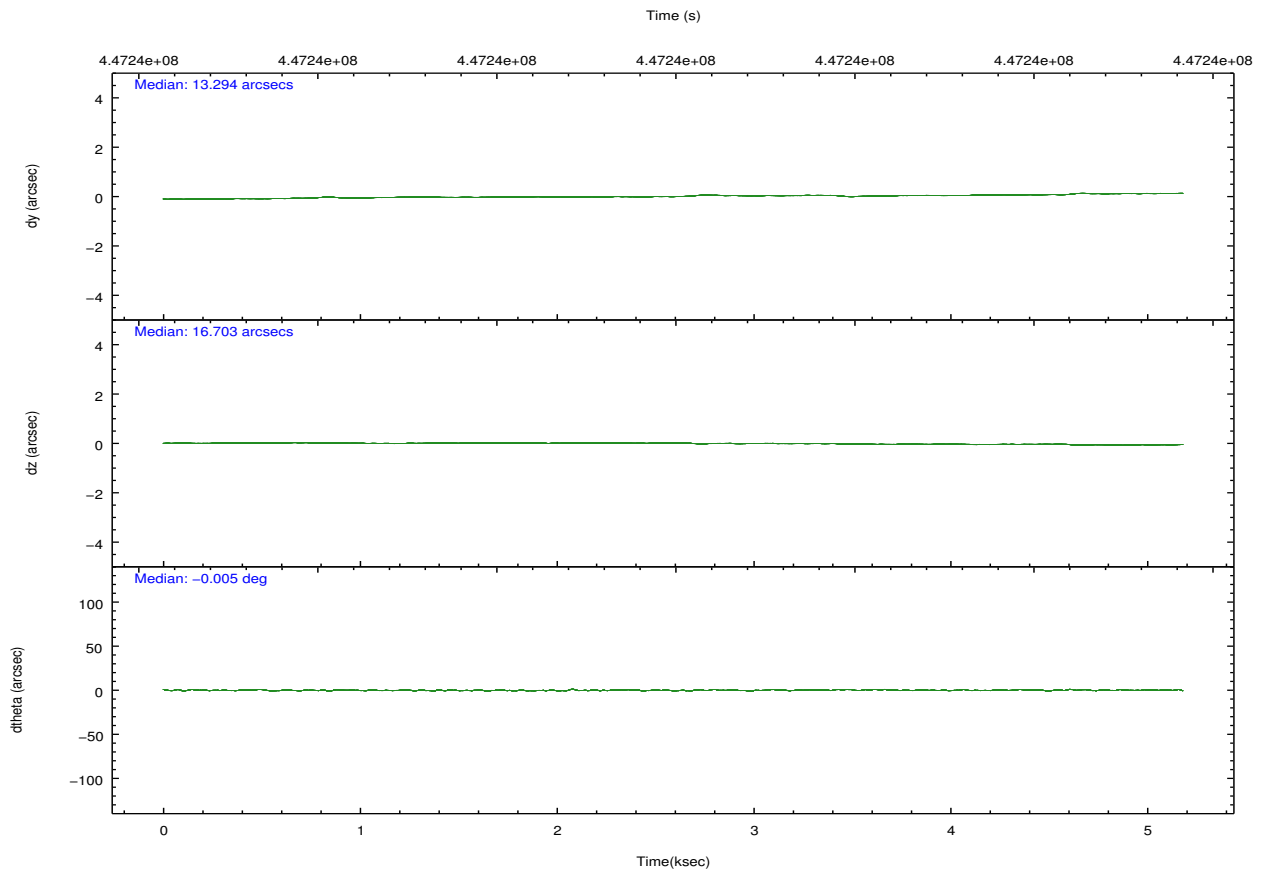
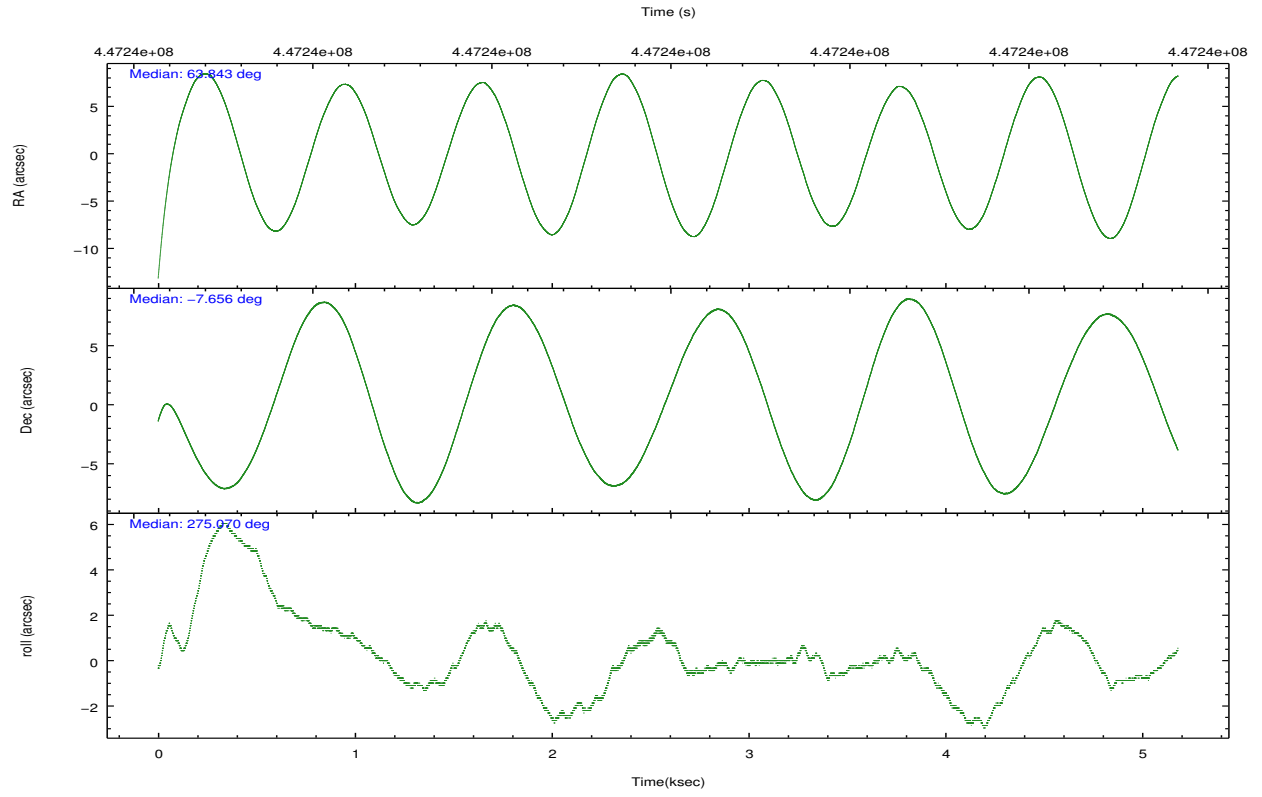
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1209	1143	4514	1279	1974
	3%	4%	8%	4%	4%
grade 1 events	12	15	119	14	68
	0%	0%	0%	0%	0%
grade 2 events	789	756	7427	786	3773
	2%	2%	14%	2%	9%
grade 3 events	347	354	877	366	1589
	1%	1%	1%	1%	3%
grade 4 events	376	357	832	377	1556
	1%	1%	1%	1%	3%
grade 5 events	1308	1473	3581	1459	4197
	4%	5%	7%	4%	10%
grade 6 events	657	695	12326	794	9653
	2%	2%	24%	2%	23%
grade 7 events	26185	22870	20784	24484	17720
	84%	82%	41%	82%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	63.826970	63.8431550193584	Subarray requested	NONE	NONE
[deg] Pointing Dec	-7.634032	-7.656214207506709	Alternating exposures requested	N	N
[deg] Pointing Roll	274.912597	275.0713703680753	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	447235571.184000	447234592.16035			
Observation start date	2012-03-04T08:05:05	2012-03-04T07:49:52			
[s] Observation end time (MET)	447240571.184000	447241465.29821			
Observation end date	2012-03-04T09:28:25	2012-03-04T09:44:25			
Read mode	TIMED	TIMED			

2.3 Aspect



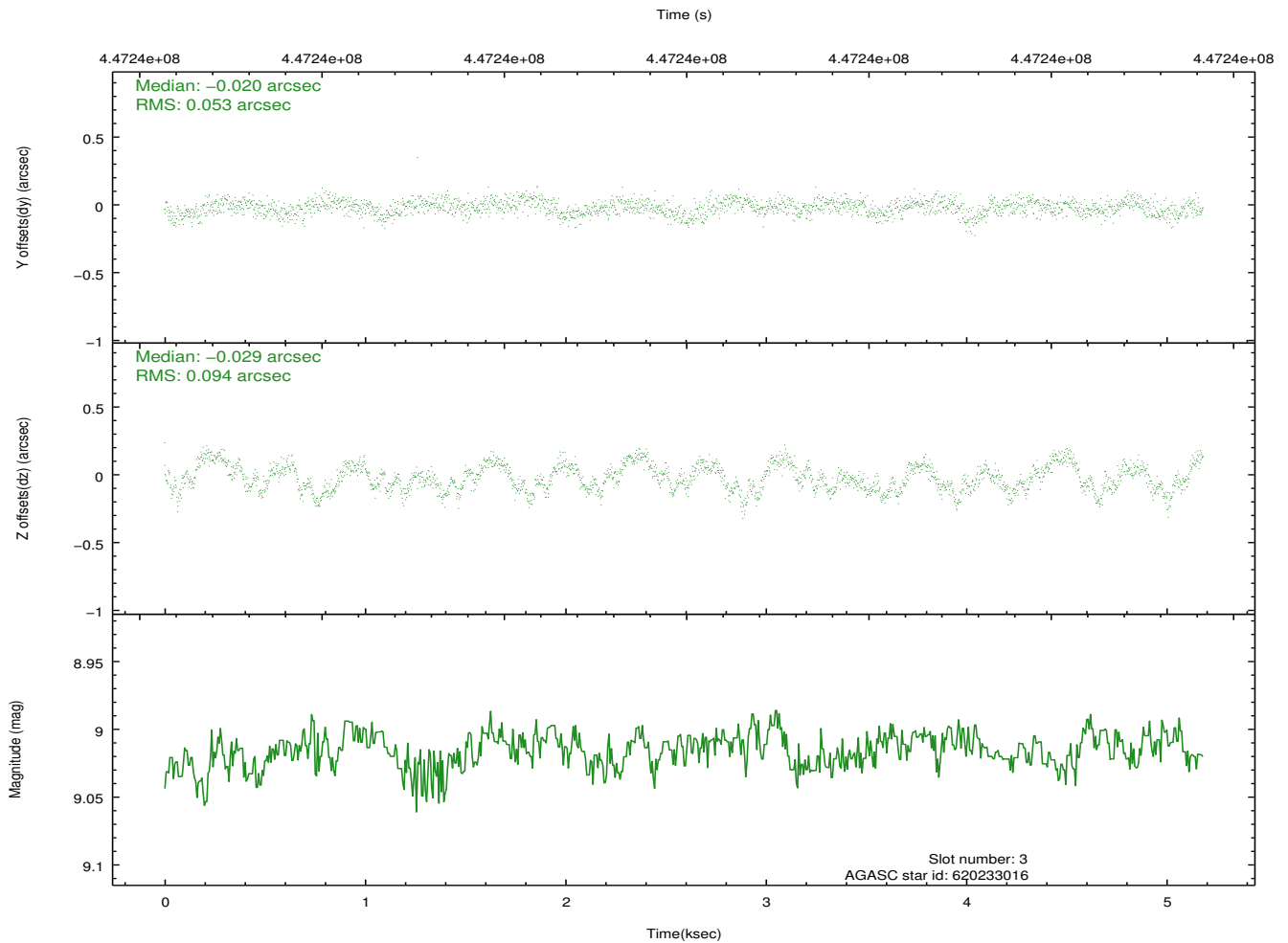
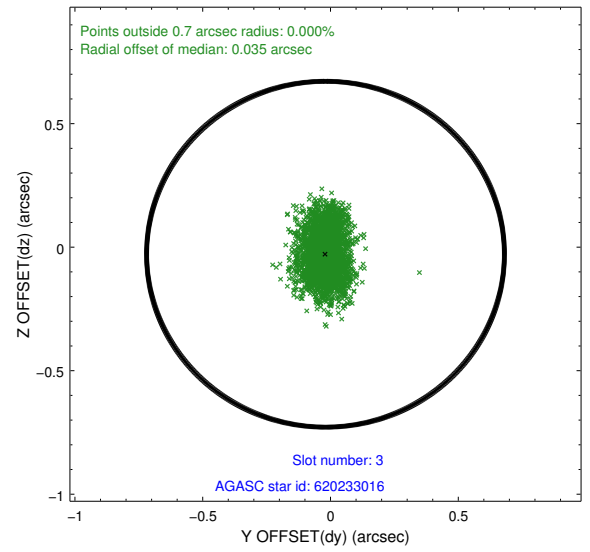
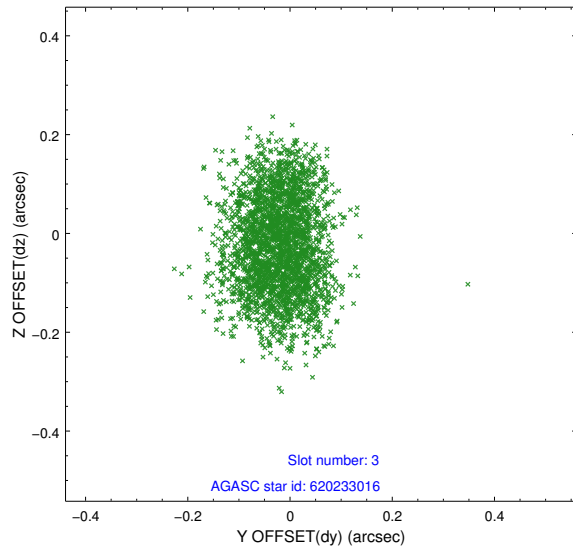


Slot Statistics

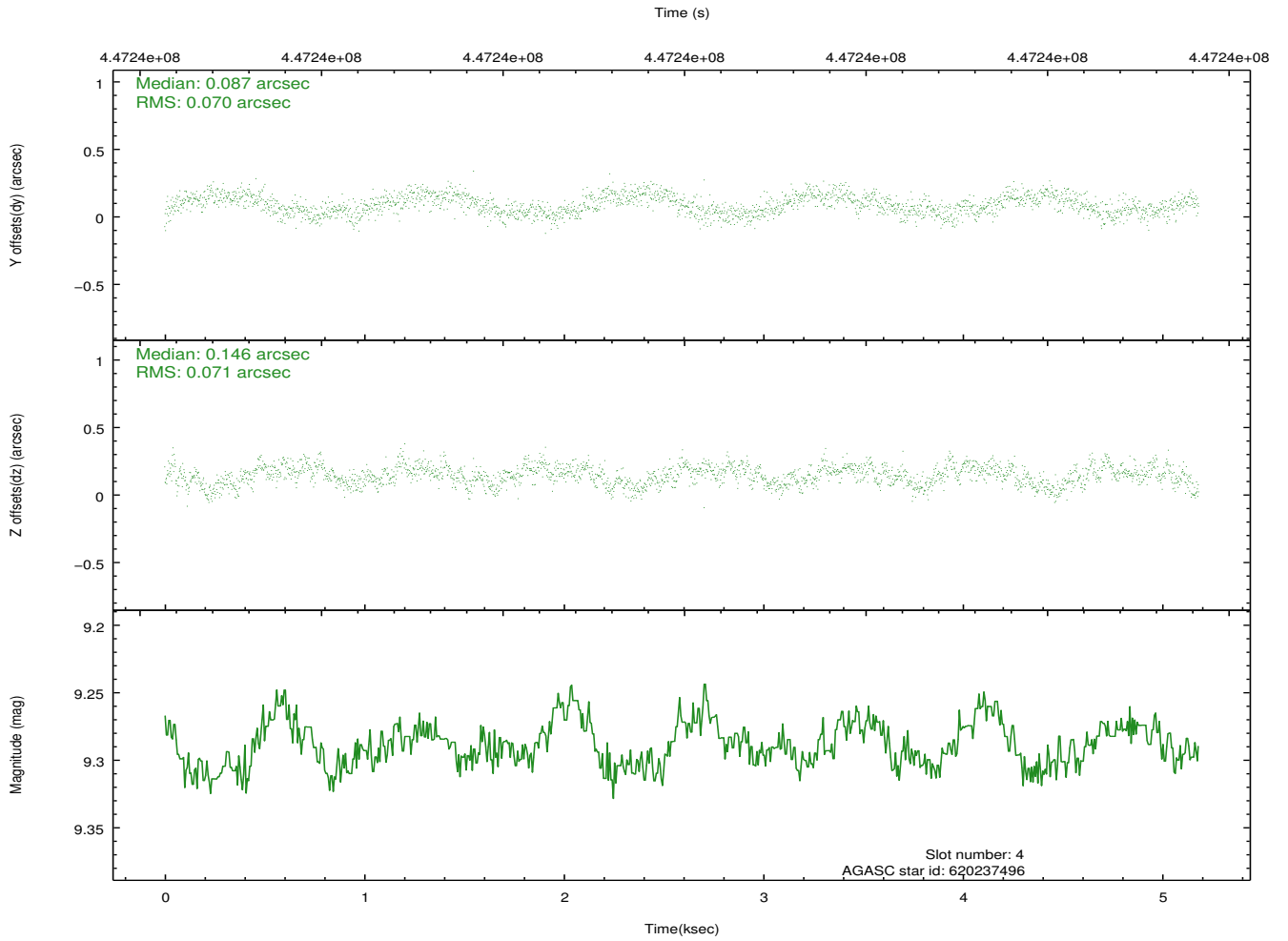
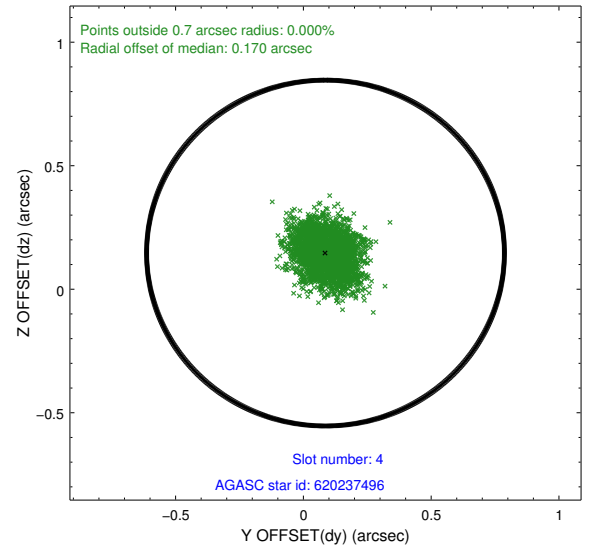
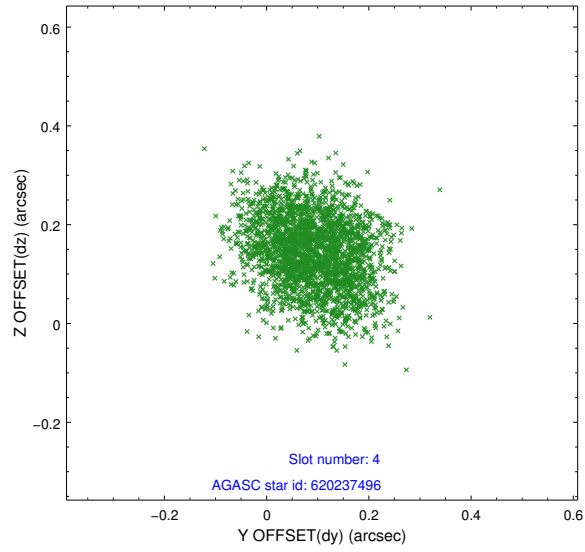
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	1264	0.114	-0.106	0.006	0.011	0.000000	0.000000	929.92	-1733.80
1	FID	ACIS-S-5	7.02	1264	-0.157	0.072	0.007	0.012	0.000000	0.000000	-1818.69	162.72
2	FID	ACIS-S-6	7.12	1264	0.022	0.045	0.007	0.012	0.000000	0.000000	394.12	807.98
3	GUIDE	620233016	9.02	2526	-0.020	-0.029	0.117	0.186	63.703529	-7.187420	-1639.37	-301.68
4	GUIDE	620237496	9.29	2528	0.087	0.146	0.107	0.168	63.658819	-7.343772	-1092.72	-508.71
5	GUIDE	696402408	9.22	2519	-0.093	0.007	0.096	0.148	64.449048	-8.135865	1991.16	2053.85
6	GUIDE	696405832	8.58	2529	-0.078	-0.110	0.073	0.119	64.059688	-8.200383	2103.55	652.31
7	GUIDE	620234016	9.44	2527	0.103	-0.015	0.124	0.195	63.688029	-7.225599	-1506.19	-368.28

2.4 Star Slots

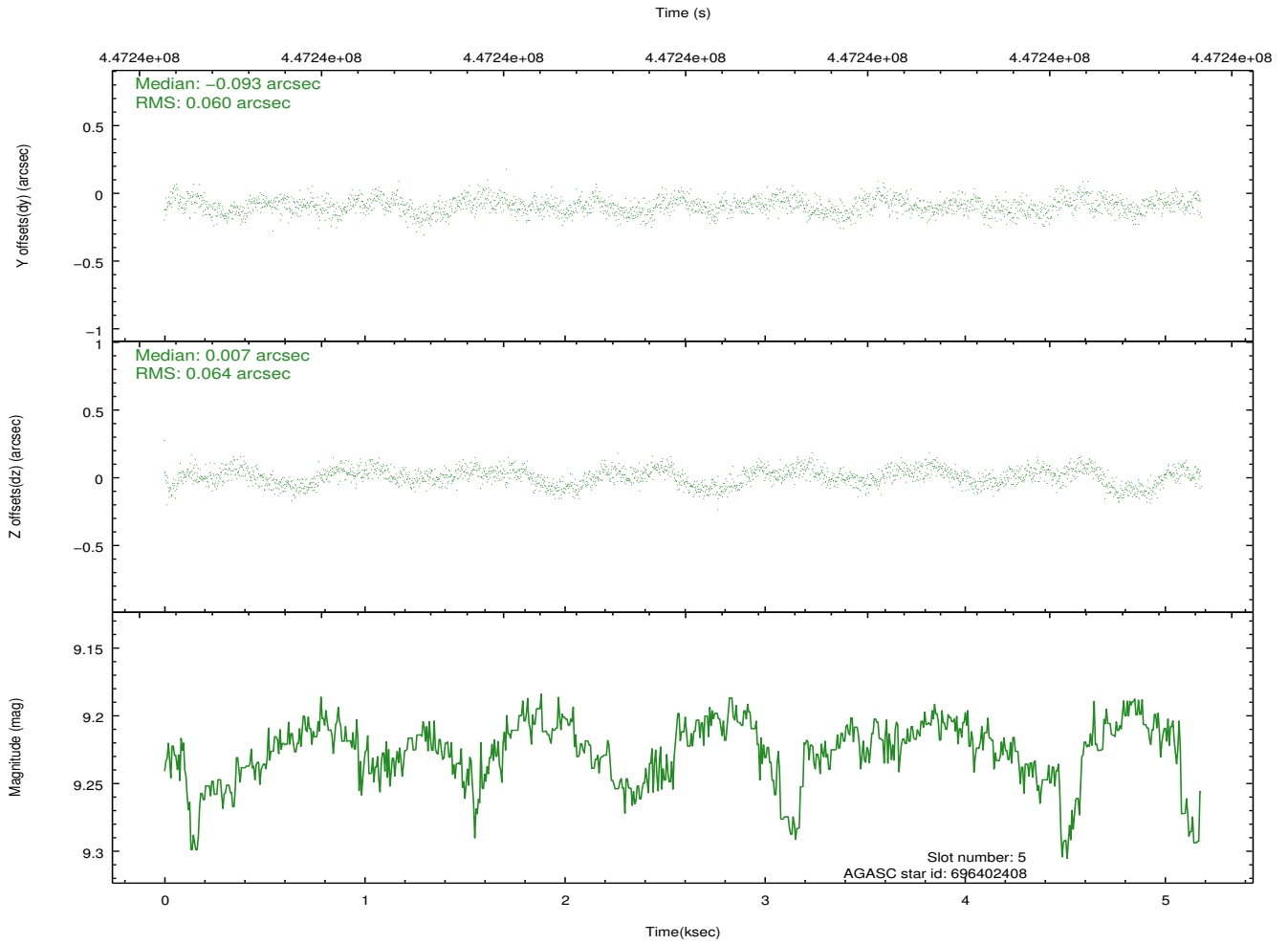
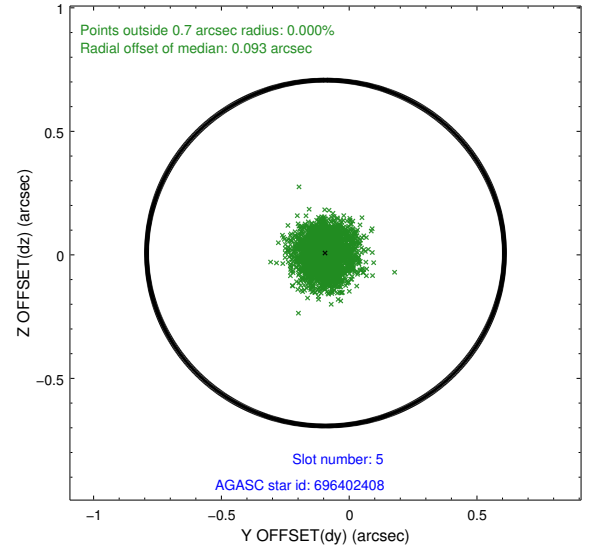
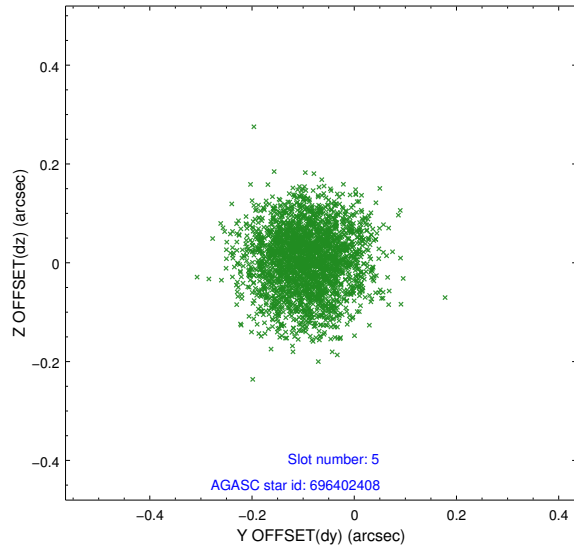
2.4.1 Slot 3



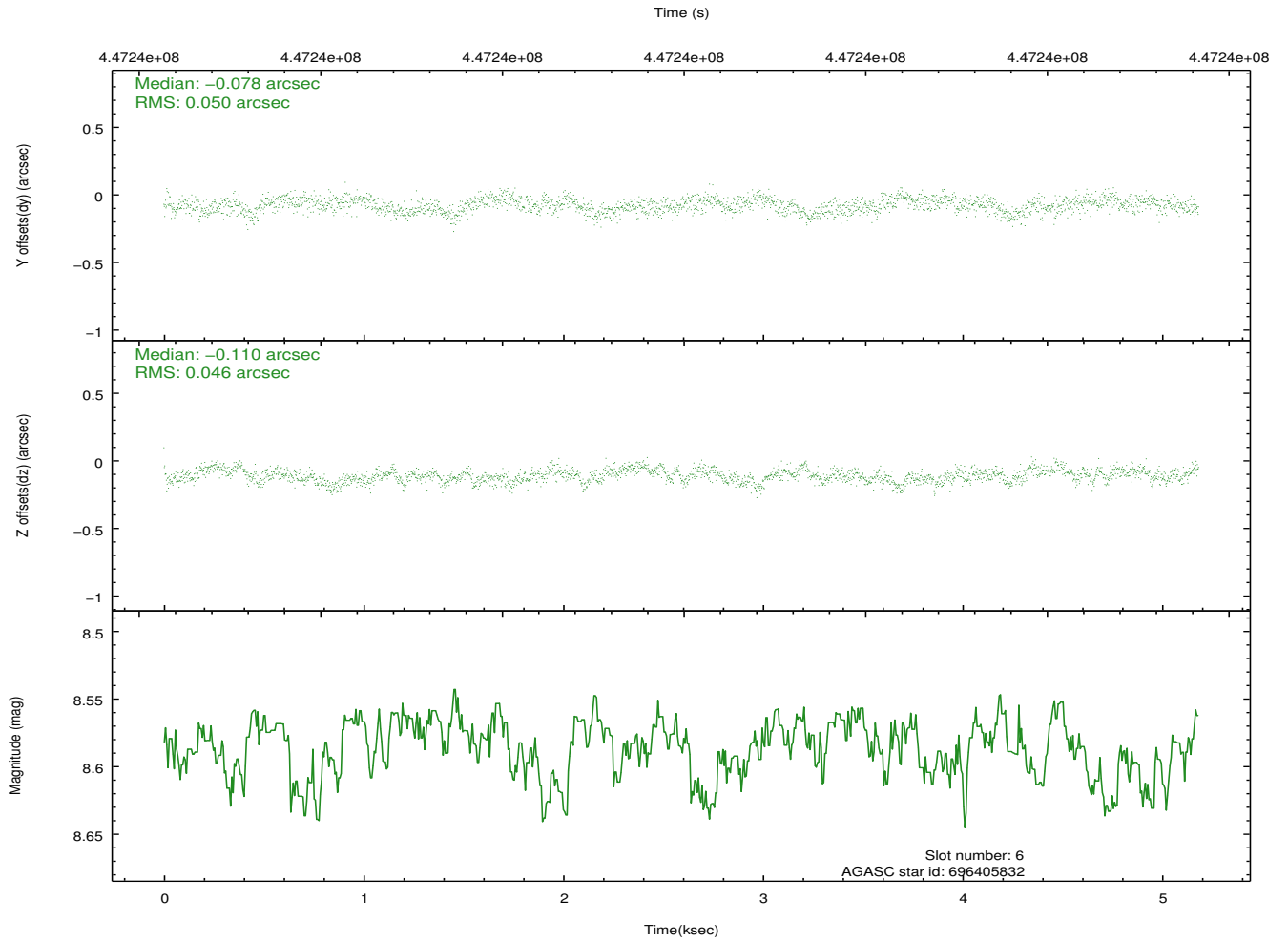
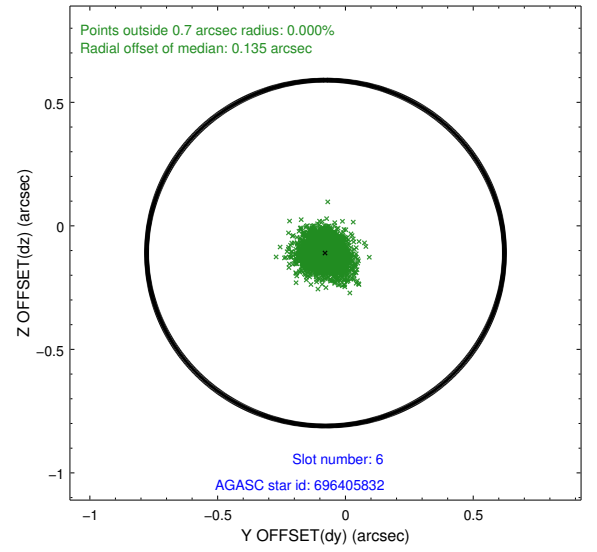
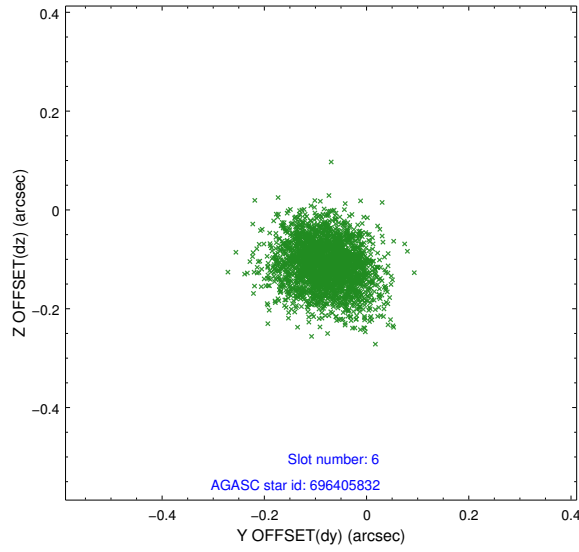
2.4.2 Slot 4



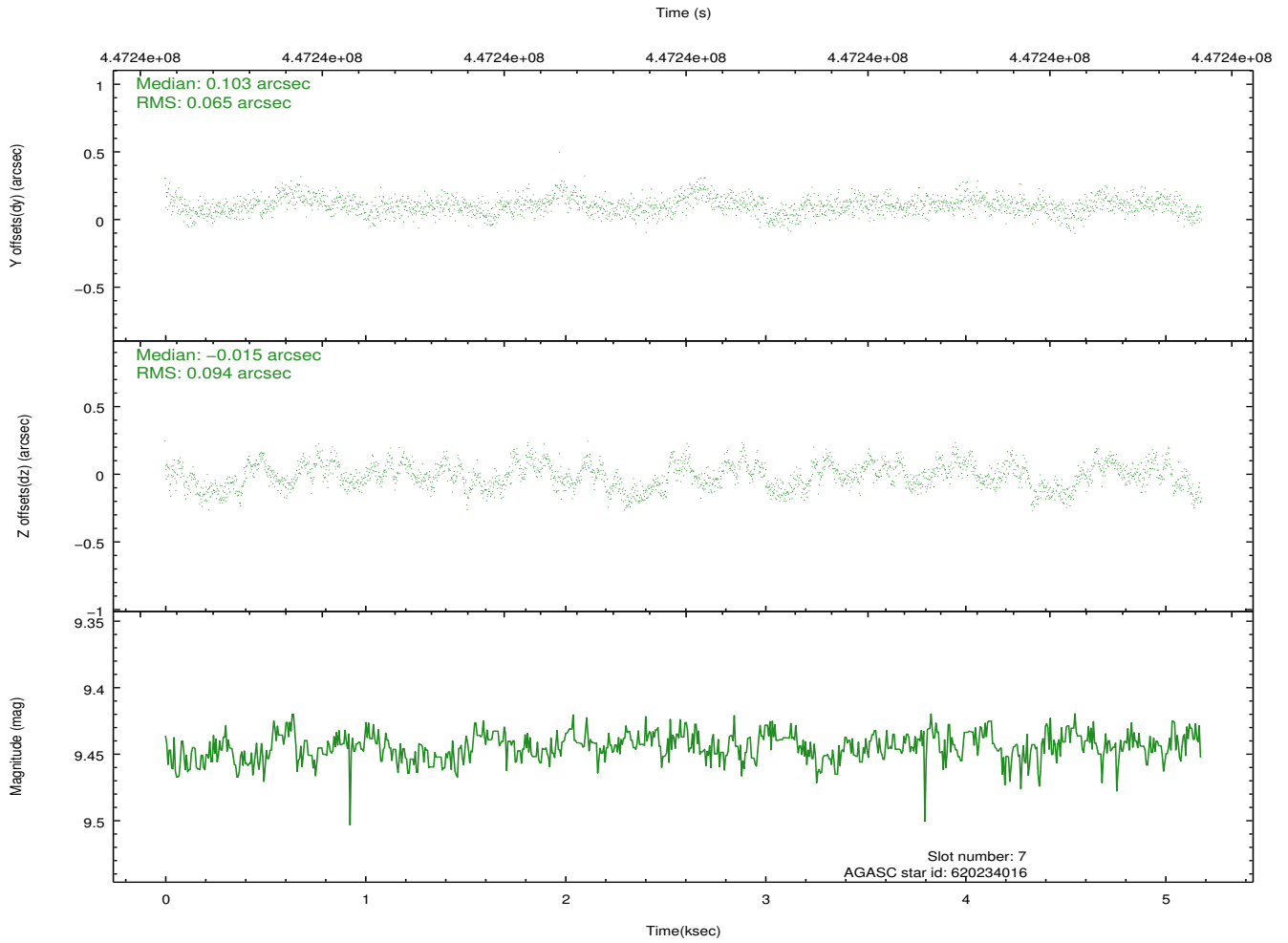
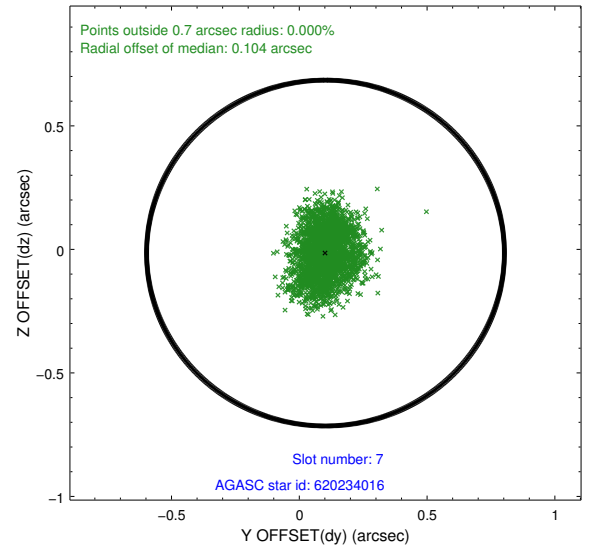
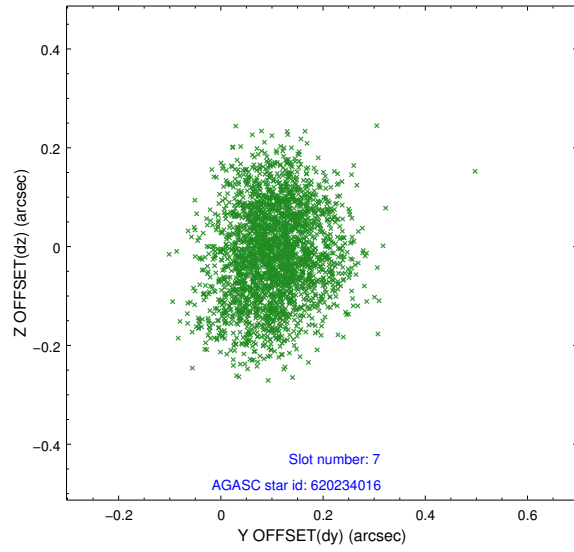
2.4.3 Slot 5



2.4.4 Slot 6

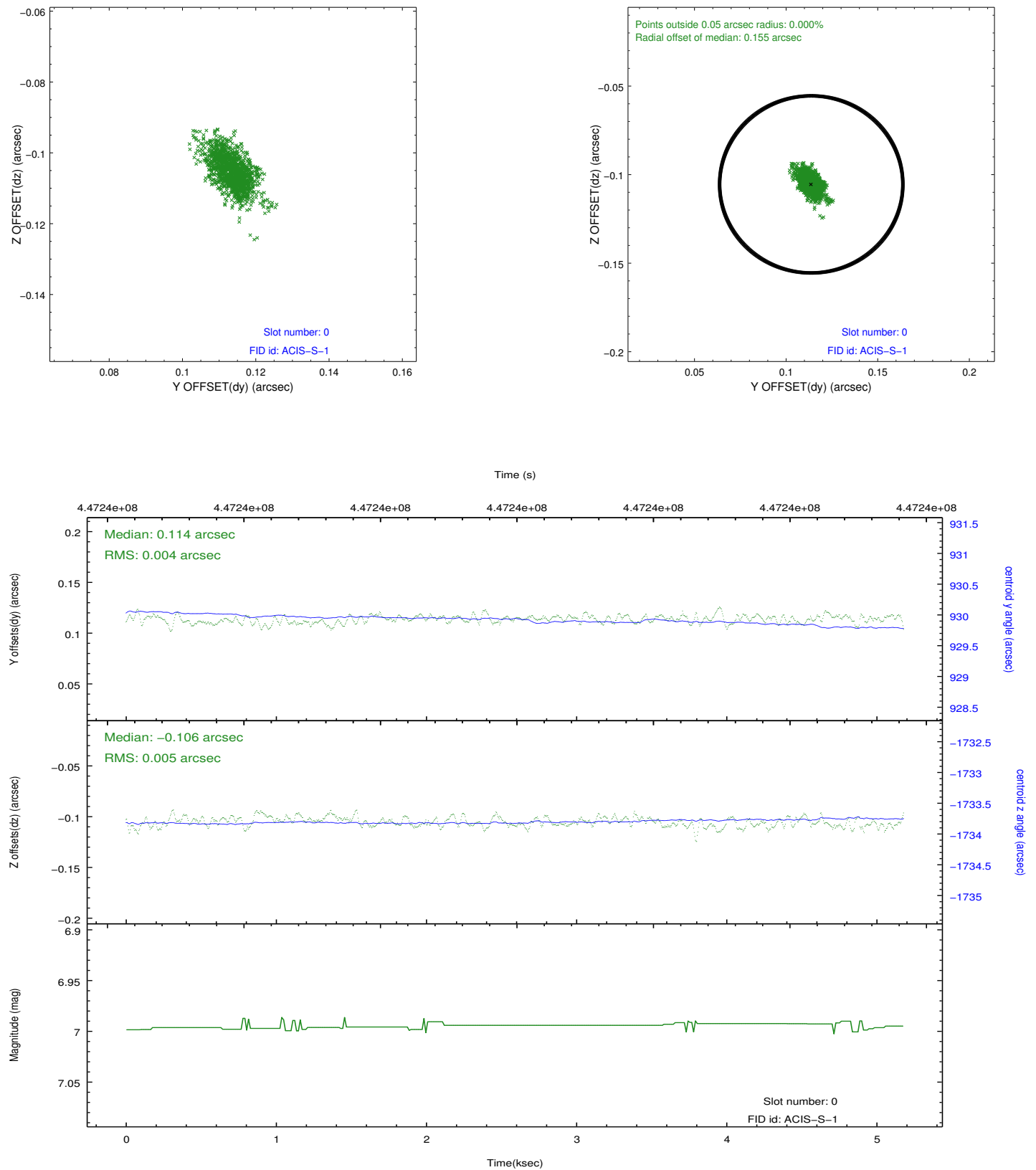


2.4.5 Slot 7

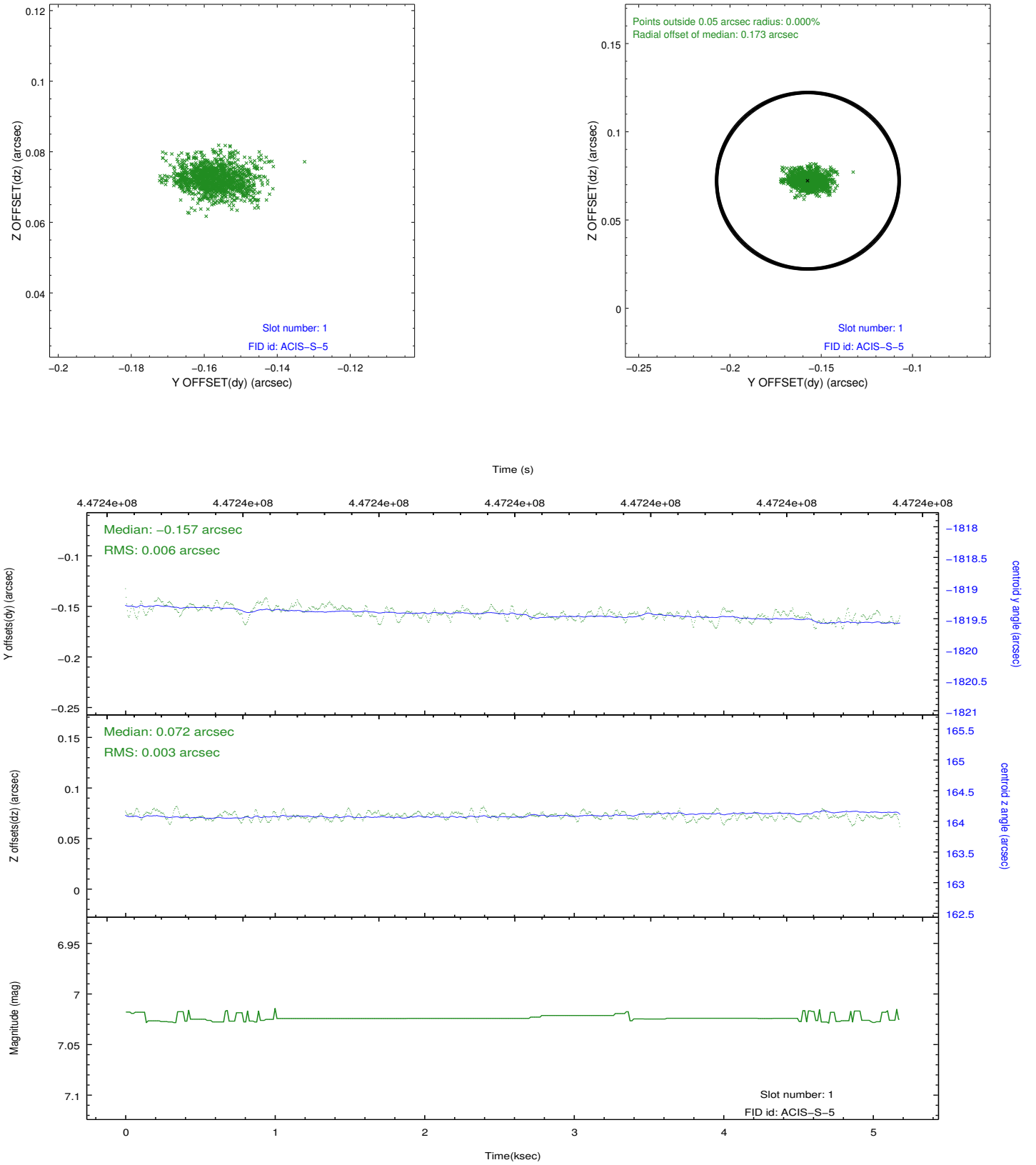


2.5 FID Slots

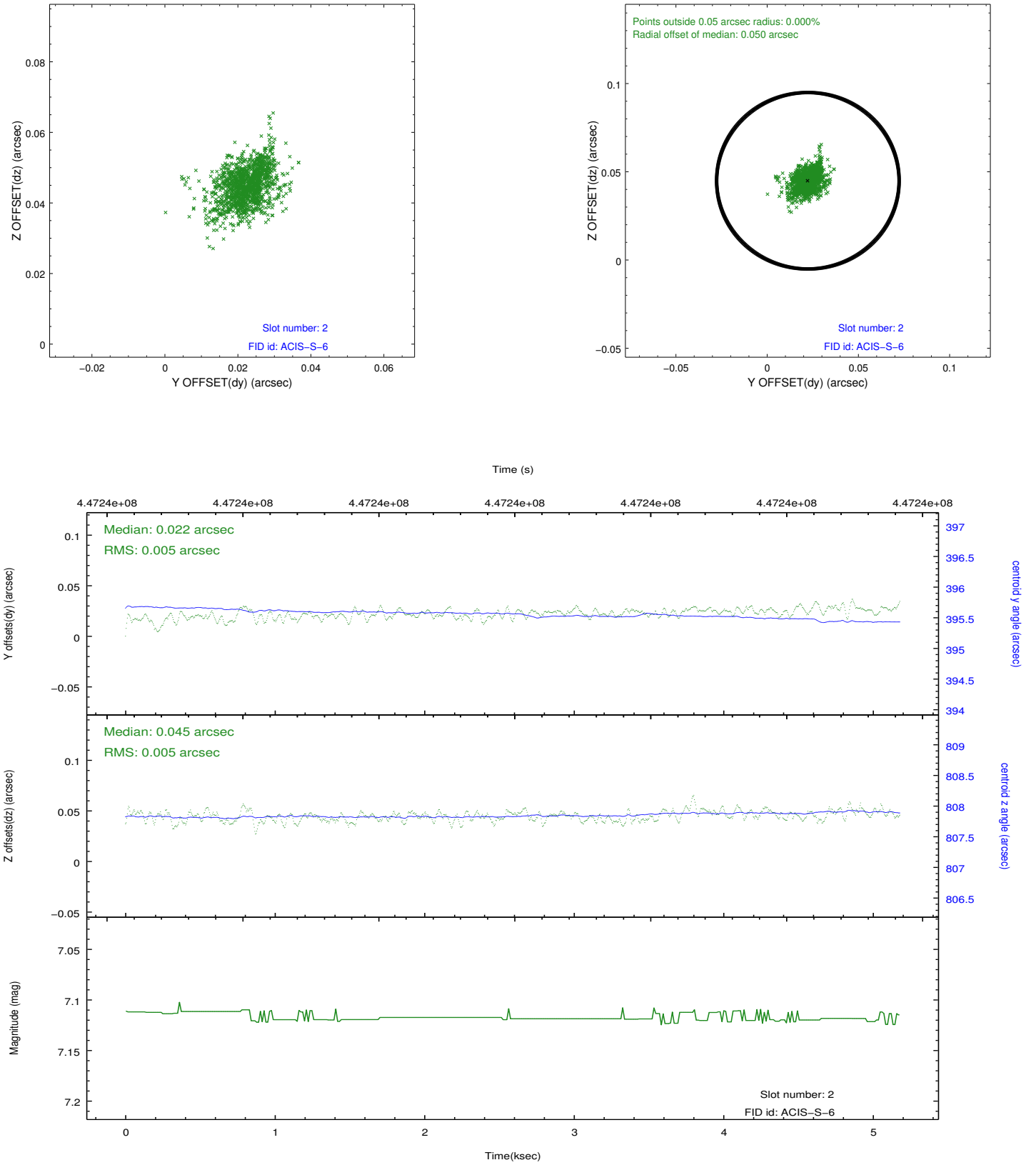
2.5.1 Slot 0



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)	2012.03.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0645490612984

A.2 Comments