

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5393 - L2 Version 3
Chandra X-Ray Center

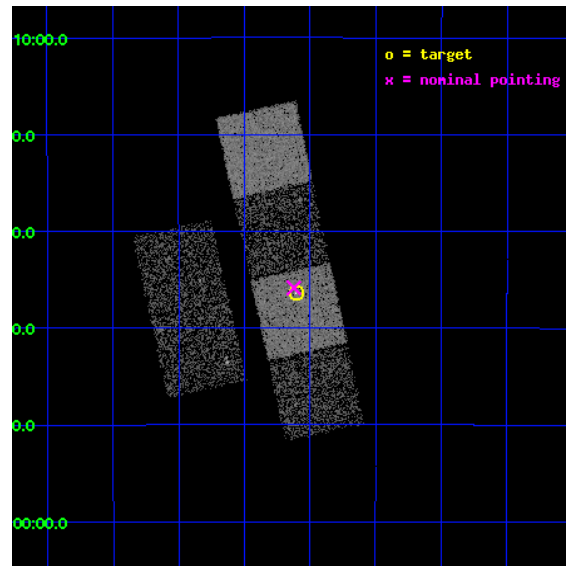
L2 Processing Date : Dec 20 2012

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
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

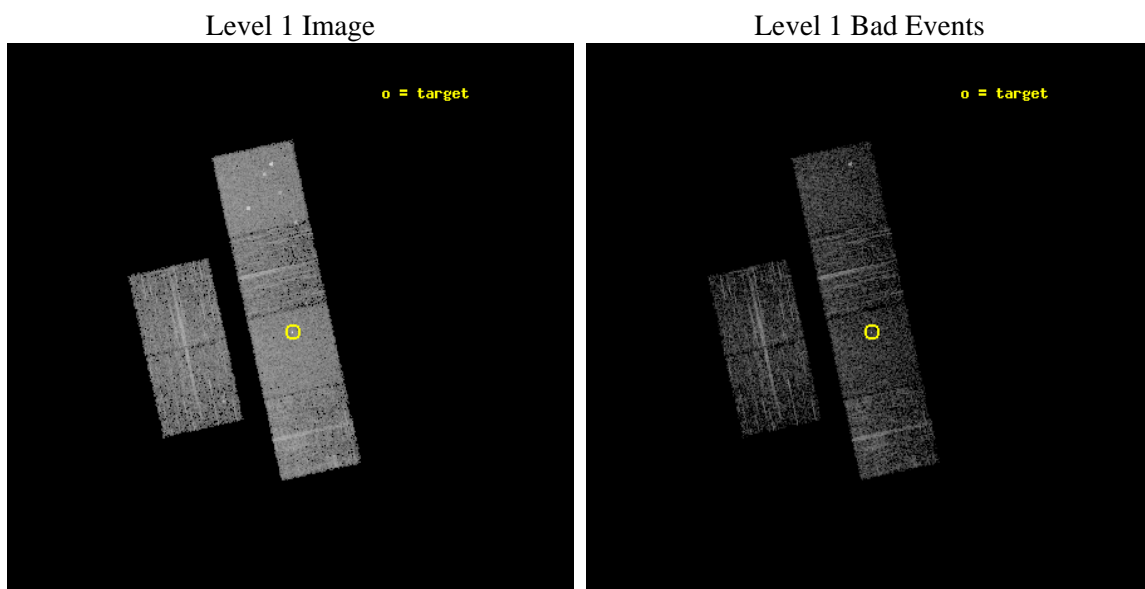
seq_num	200328	Sequence number
obs_id	5393	Observation id
title	The puzzle of X-ray emission from magnetic stars without convective envelopes	Proposal title
observer	Prof. Jurgen Schmitt	Principal investigator
object	HD 144334	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.526667	Observer's specified target RA [deg]
dec_targ	-23.606306	Observer's specified target Dec [deg]
ra_nom	241.53064392628	Nominal RA [deg]
dec_nom	-23.597535598921	Nominal Dec [deg]
roll_nom	77.710273161577	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2953.599988997	Sum of GTIs [s]
livetime	2916.1997274919	Livetime [s]
ontime2	2953.599988997	Sum of GTIs [s]
ontime3	2953.599988997	Sum of GTIs [s]
ontime5	2953.599988997	Sum of GTIs [s]
ontime6	2953.599988997	Sum of GTIs [s]
ontime7	2953.599988997	Sum of GTIs [s]
ontime8	2953.599988997	Sum of GTIs [s]
l2events	37391	Number of level 2 events



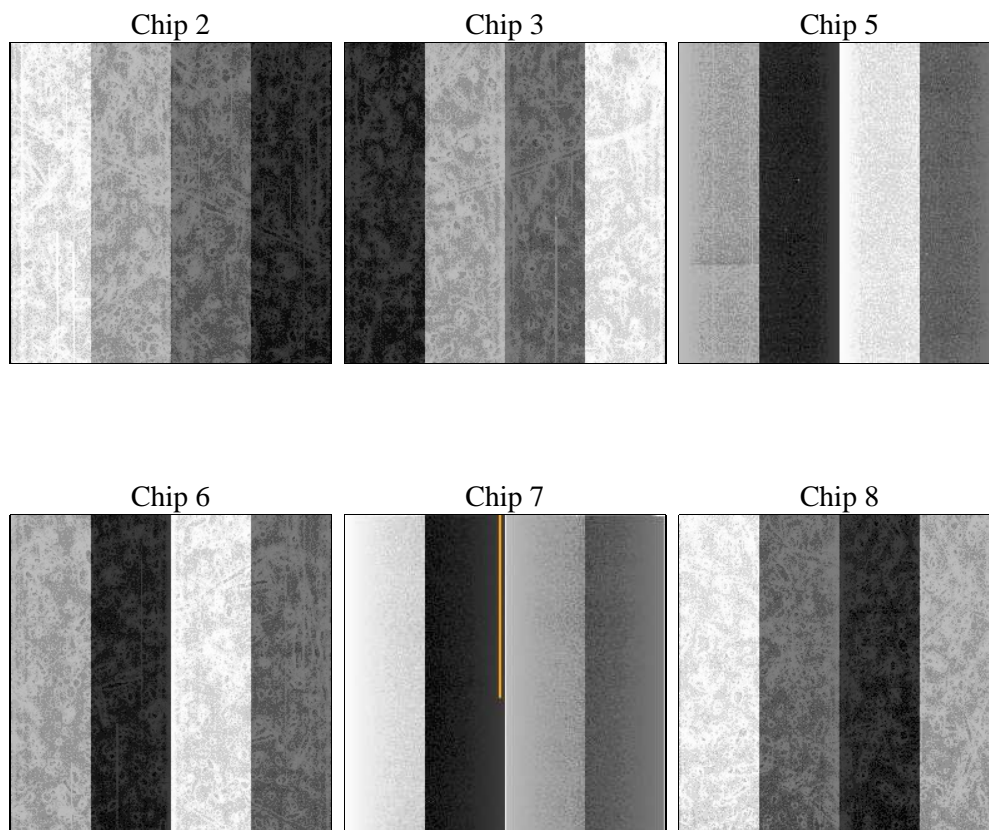
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	2953.599988997	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	2953.599988997	Sum of GTIs [s]
date	2012-12-20T21:11:04	Date and time of file creation	ontime3	2953.599988997	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2953.599988997	Sum of GTIs [s]
			ontime6	2953.599988997	Sum of GTIs [s]
			ontime7	2953.599988997	Sum of GTIs [s]
			ontime8	2953.599988997	Sum of GTIs [s]
			l1events	160896	Number of level 1 events

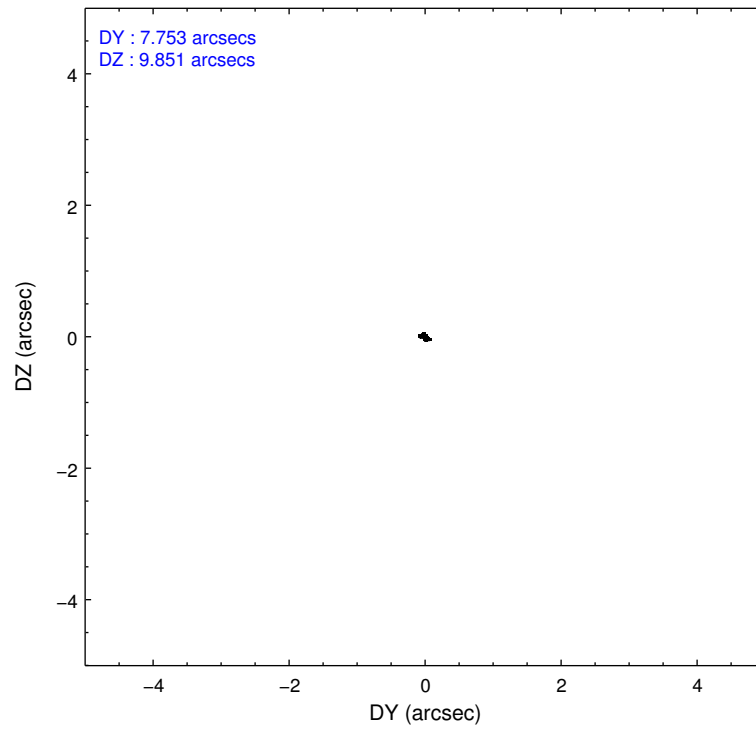
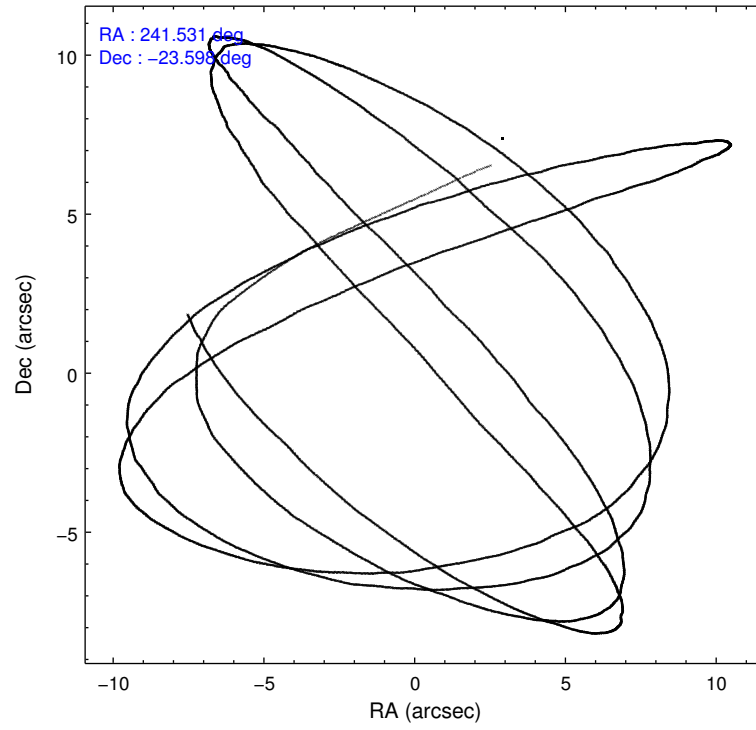
2.1.4 Events

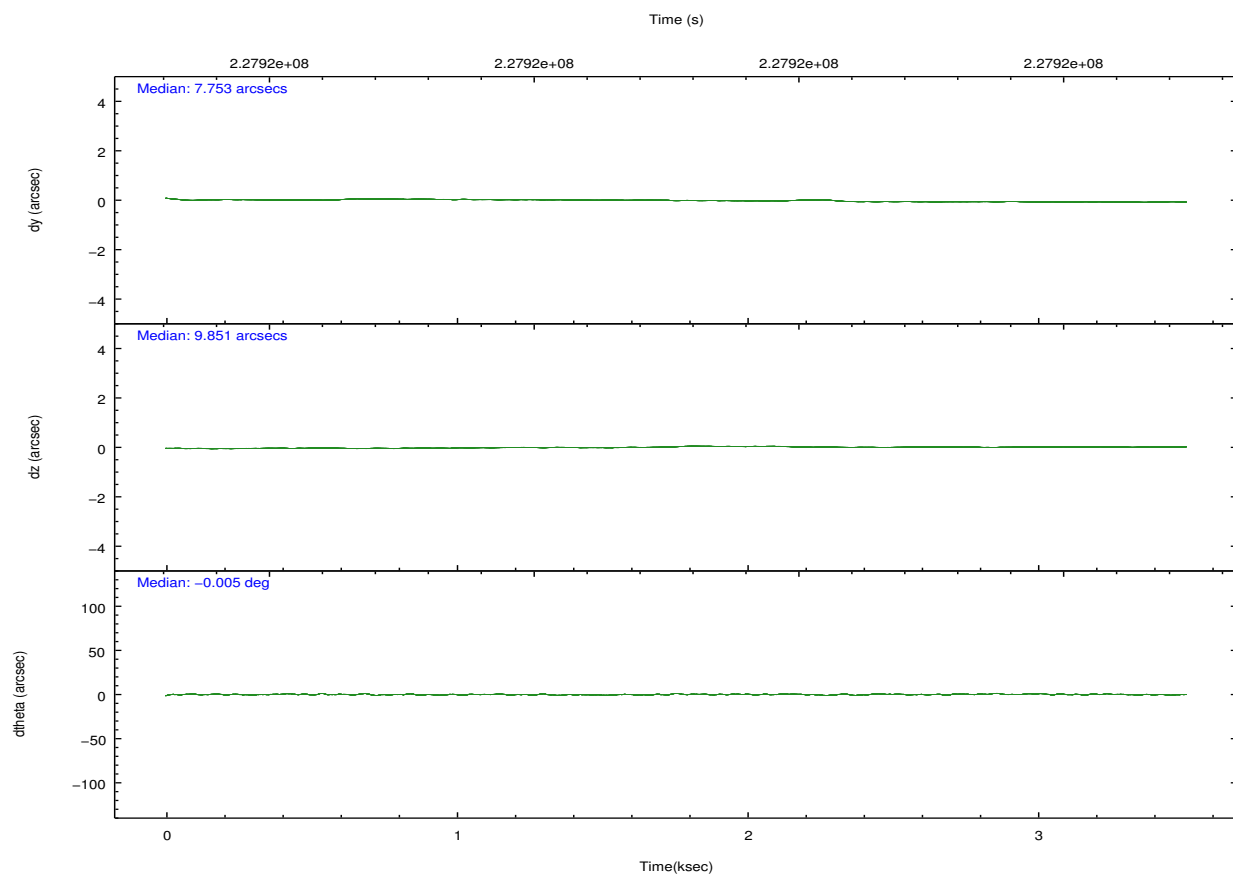
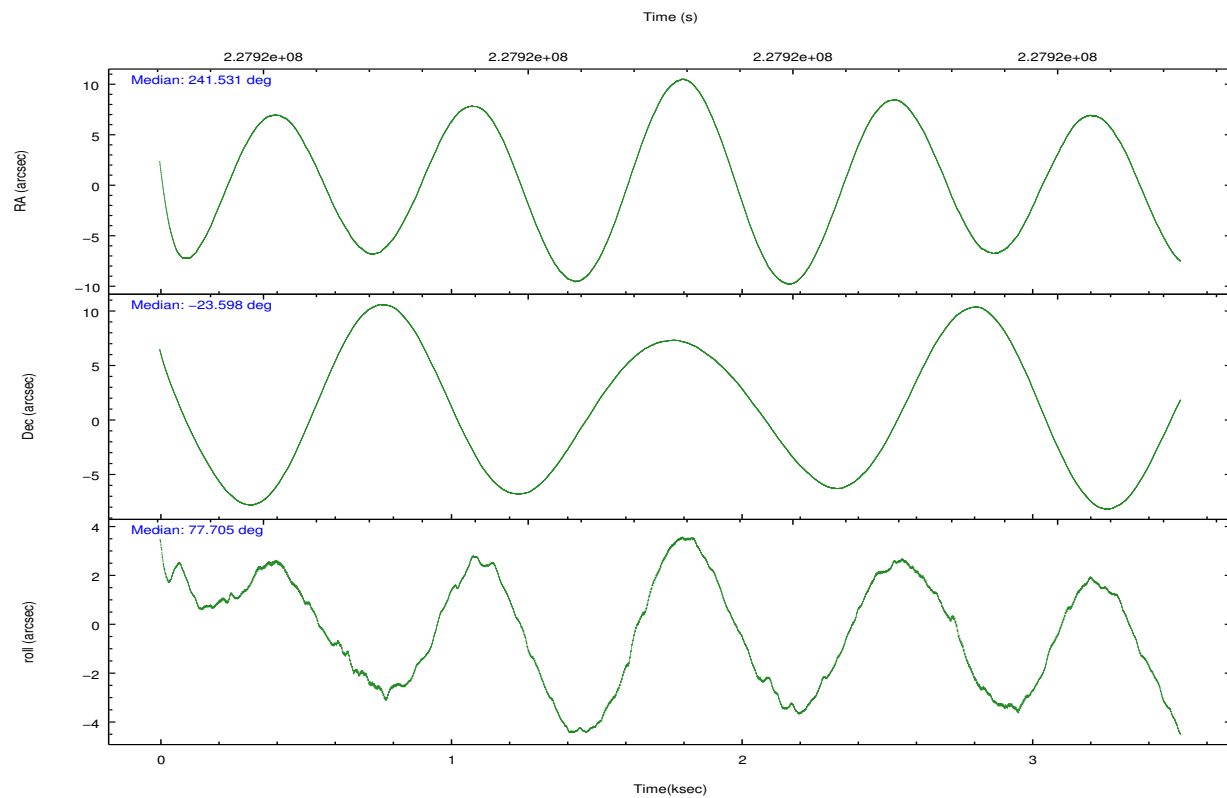
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23818	20764	34596	22891	30523	28304	grade 0 events	1274	1349	2254	1199	1304	1986
rejected events	20980	17997	18174	20081	17344	22216		5%	6%	6%	5%	4%	7%
rejected %	88%	86%	52%	87%	56%	78%	grade 1 events	14	12	62	8	47	13
								0%	0%	0%	0%	0%	0%
							grade 2 events	586	509	4846	551	2623	1296
								2%	2%	14%	2%	8%	4%
							grade 3 events	261	272	617	250	1212	623
								1%	1%	1%	1%	3%	2%
							grade 4 events	253	245	592	264	1159	577
								1%	1%	1%	1%	3%	2%
							grade 5 events	859	996	2476	1048	2886	1355
								3%	4%	7%	4%	9%	4%
							grade 6 events	466	393	8123	549	6904	1623
								1%	1%	23%	2%	22%	5%
							grade 7 events	20105	16988	15626	19022	14388	20831
								84%	81%	45%	83%	47%	73%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	241.540117	241.5306439262783	Subarray requested	NONE	NONE
[deg] Pointing Dec	-23.623191	-23.59753559892147	Alternating exposures requested	N	N
[deg] Pointing Roll	77.557436	77.71027316157705	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	227917292.184000	227916166.54067			
Observation start date	2005-03-22T22:20:28	2005-03-22T22:02:46			
[s] Observation end time (MET)	227920292.184000	227920489.99086			
Observation end date	2005-03-22T23:10:28	2005-03-22T23:14:49			
Read mode	TIMED	TIMED			

2.3 Aspect



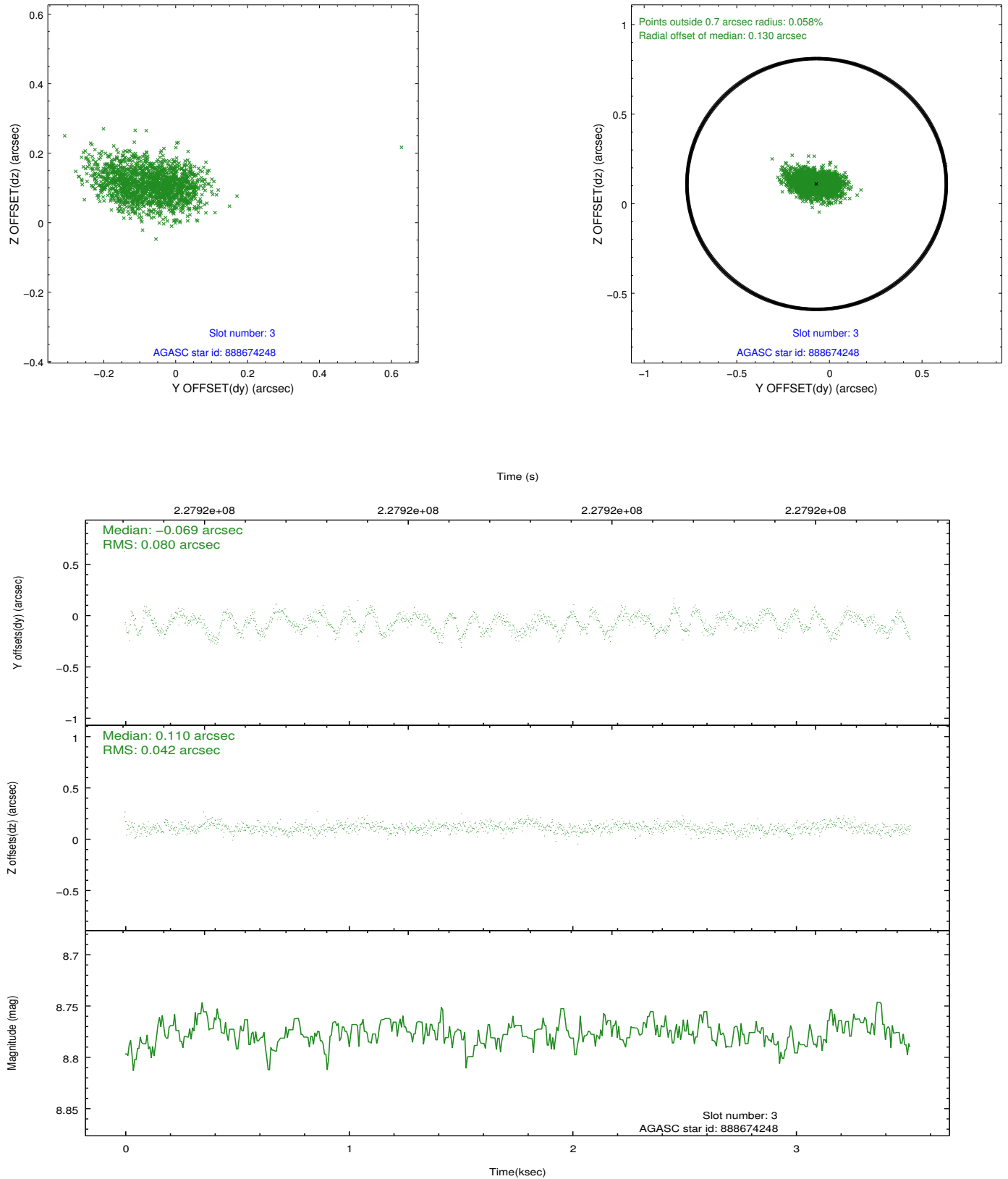


Slot Statistics

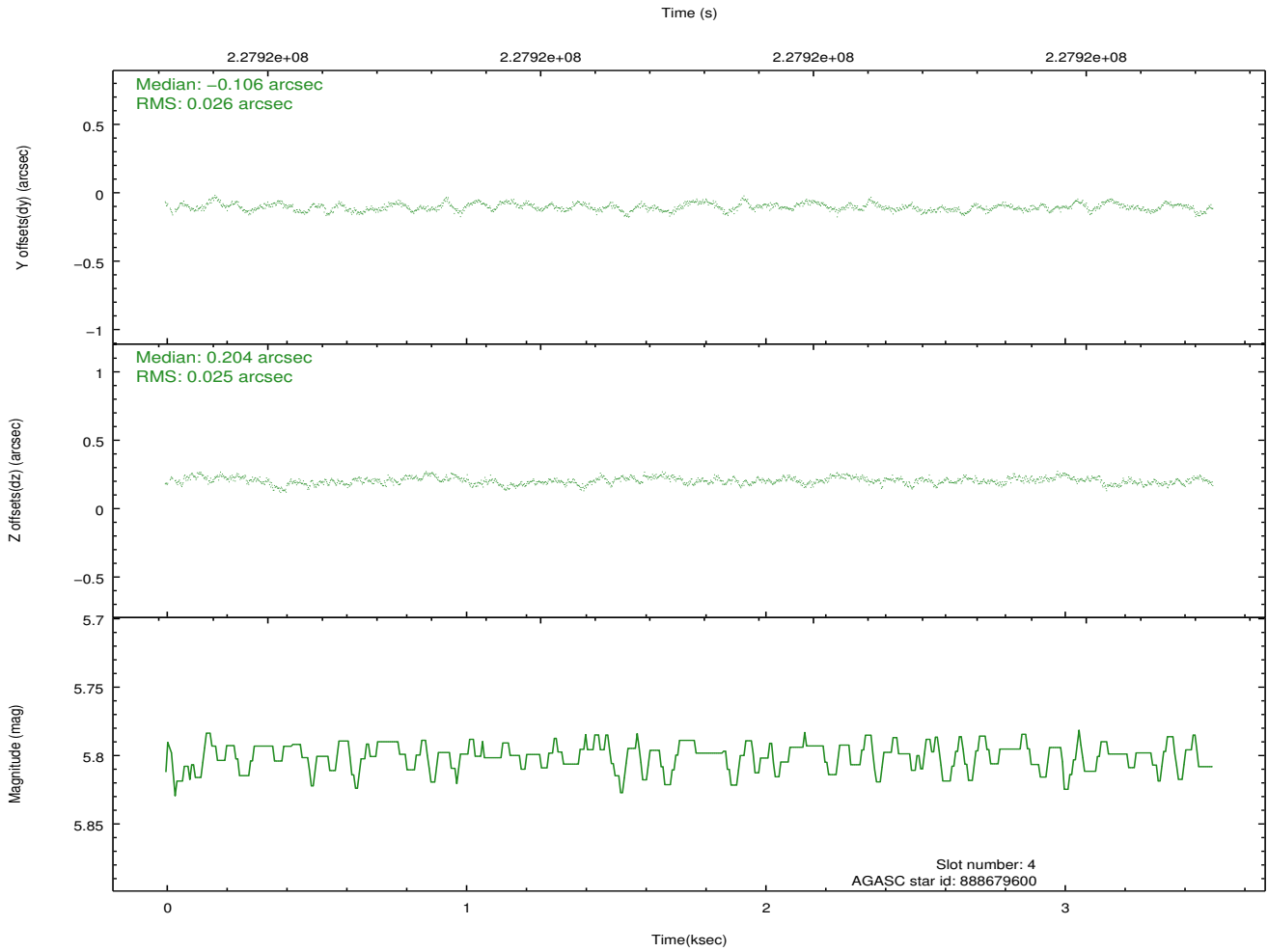
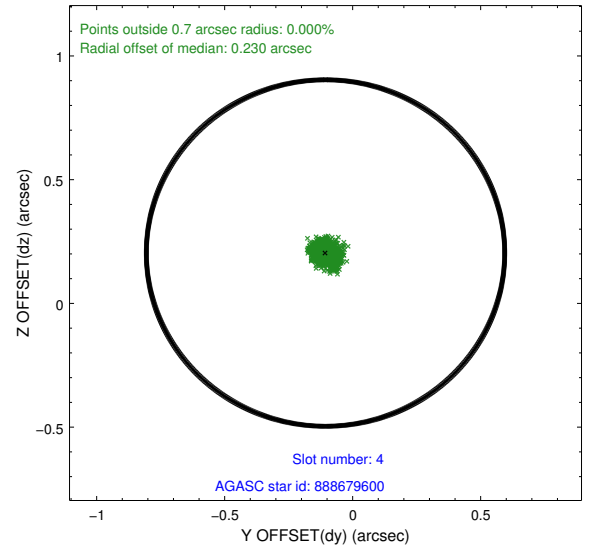
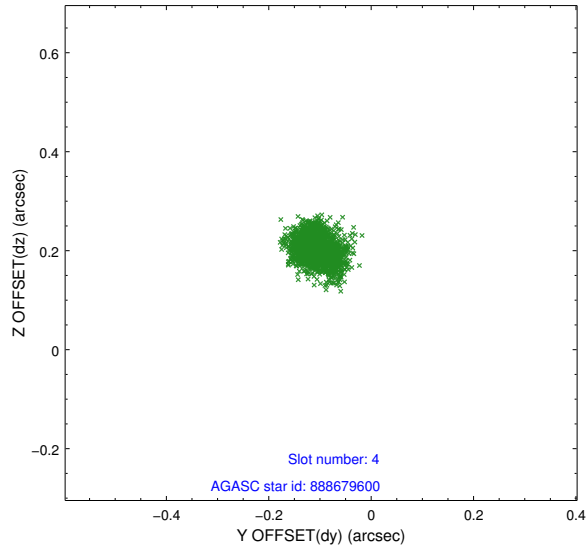
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	857	0.014	-0.006	0.007	0.012	0.000000	0.000000	935.52	-1726.63
1	FID	ACIS-S-2	7.11	858	-0.084	-0.034	0.006	0.010	0.000000	0.000000	-759.48	-1733.04
2	FID	ACIS-S-4	7.20	857	0.043	0.046	0.006	0.010	0.000000	0.000000	2151.99	175.71
3	GUIDE	888674248	8.78	1715	-0.069	0.110	0.095	0.154	242.349853	-23.178124	2135.79	-2272.87
4	GUIDE	888679600	5.80	1702	-0.106	0.204	0.040	0.063	242.051477	-23.793344	-235.91	-1778.49
5	GUIDE	888680880	7.77	1713	0.238	-0.187	0.060	0.103	241.150567	-24.100181	-1953.54	878.54
6	GUIDE	888674904	8.07	1714	0.176	-0.173	0.065	0.101	241.329780	-23.669126	-311.65	641.97
7	GUIDE	888672832	9.05	1713	-0.238	0.047	0.082	0.130	241.749086	-22.977226	2419.28	-175.04

2.4 Star Slots

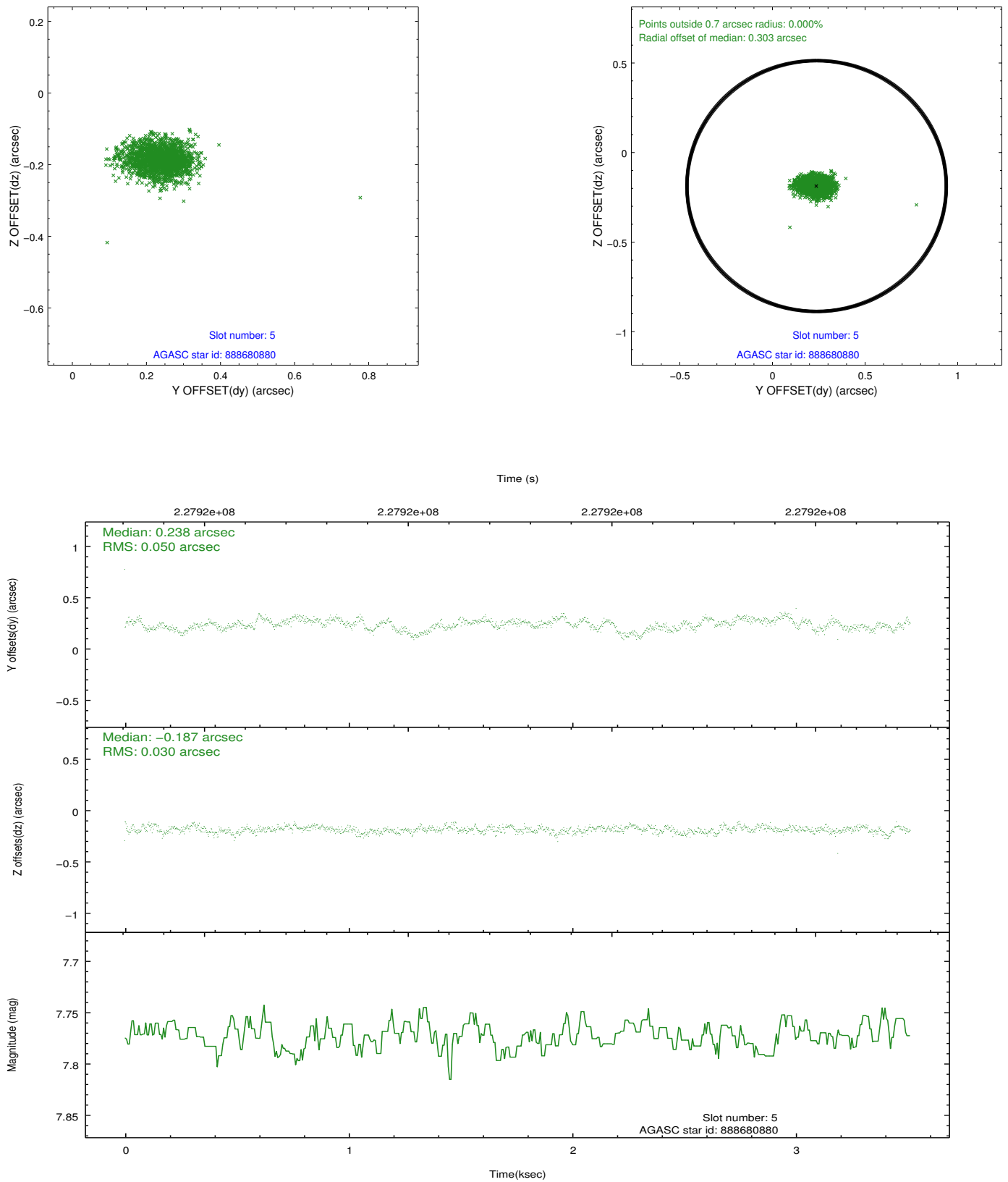
2.4.1 Slot 3



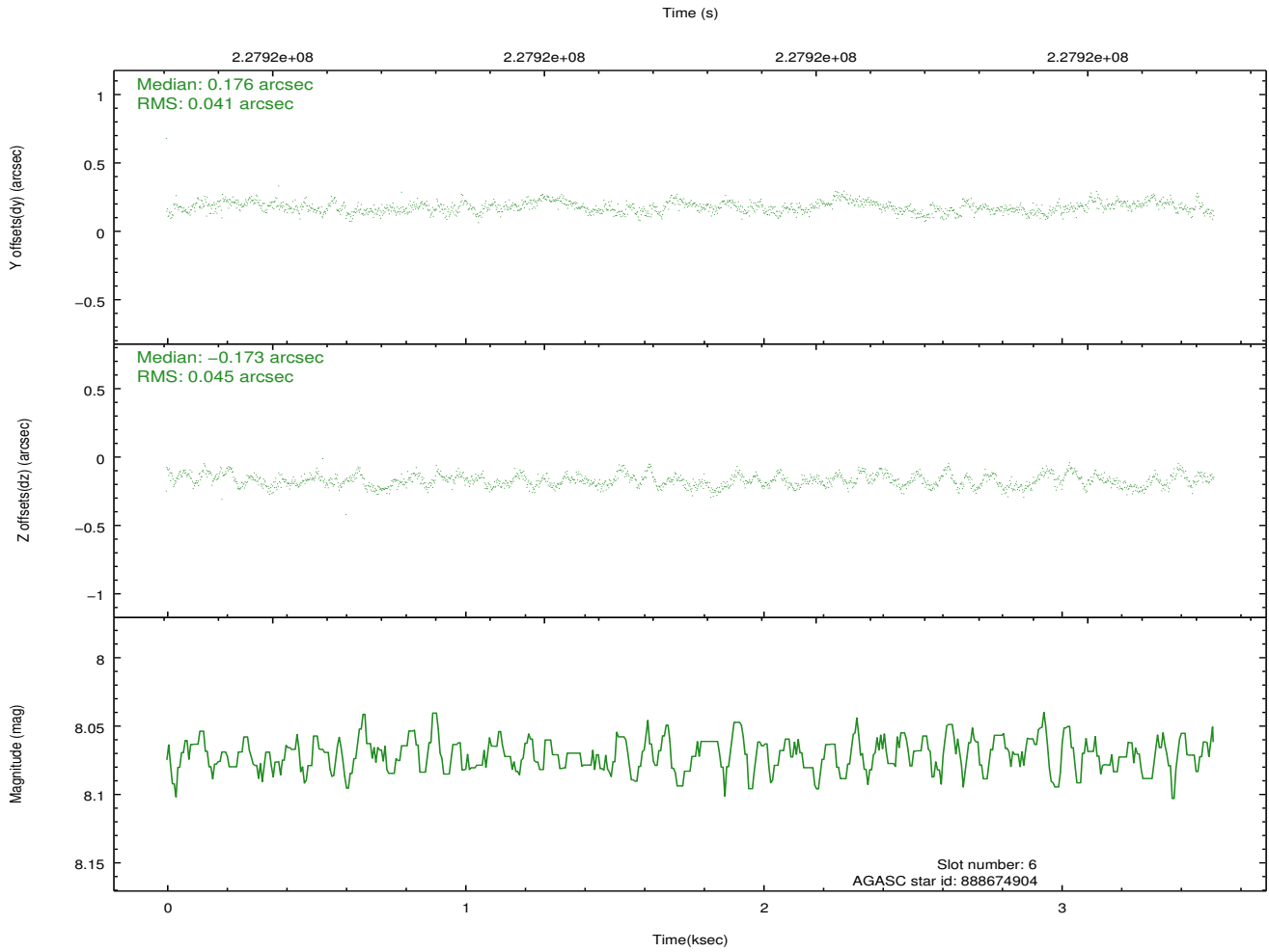
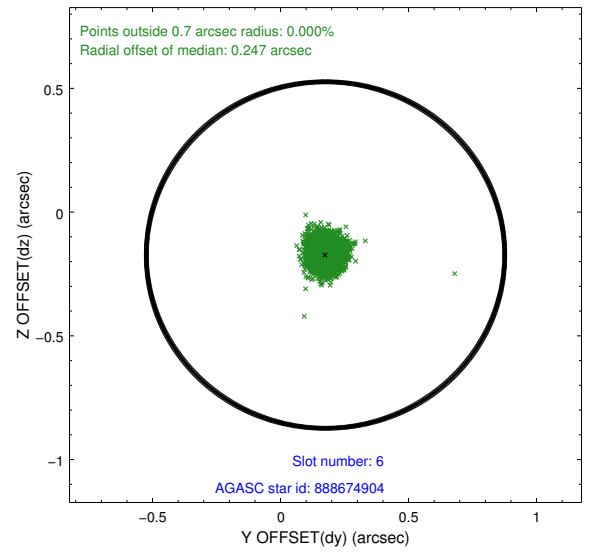
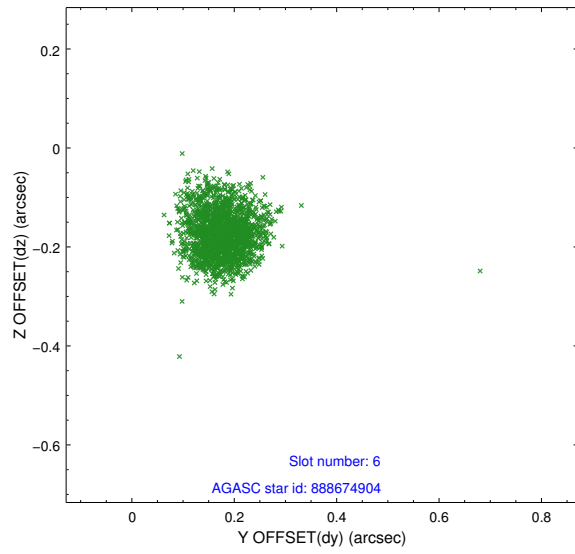
2.4.2 Slot 4



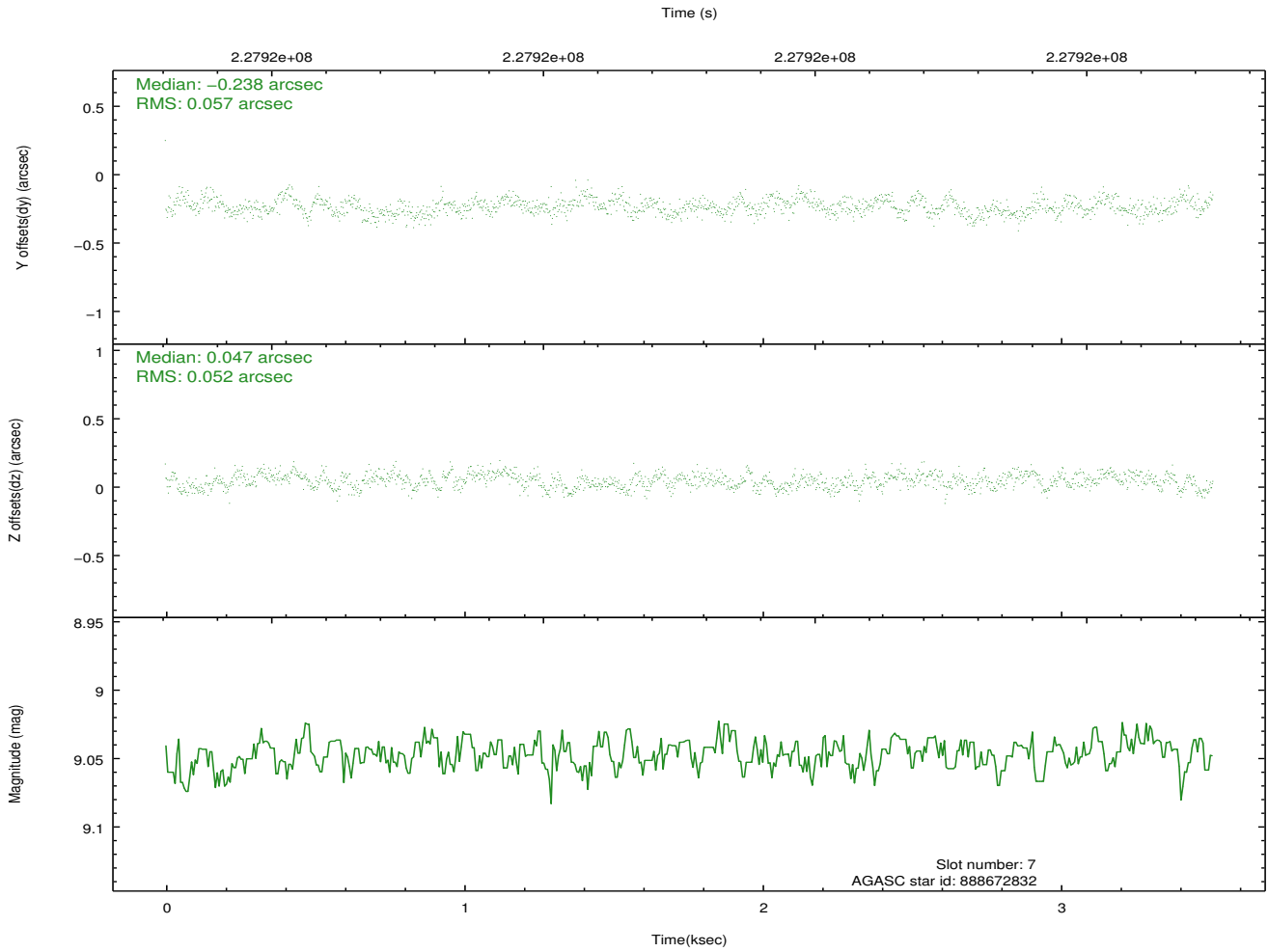
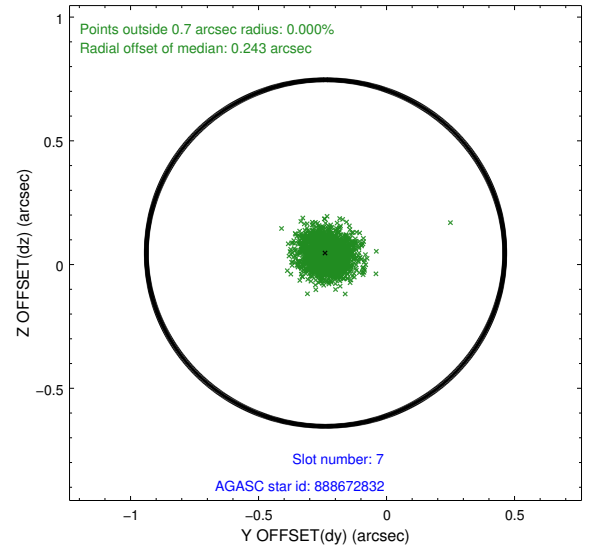
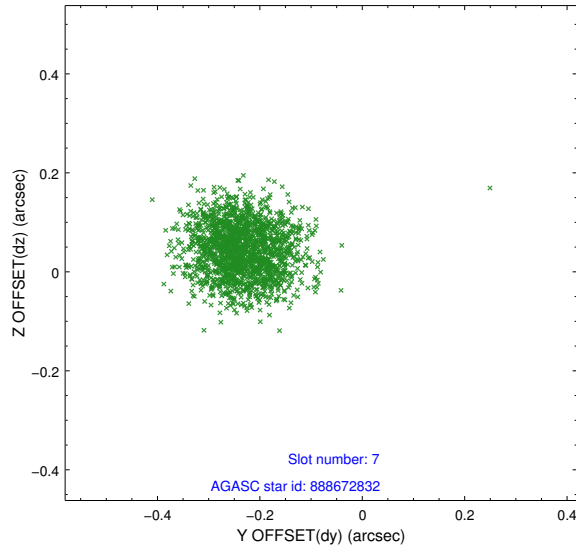
2.4.3 Slot 5



2.4.4 Slot 6

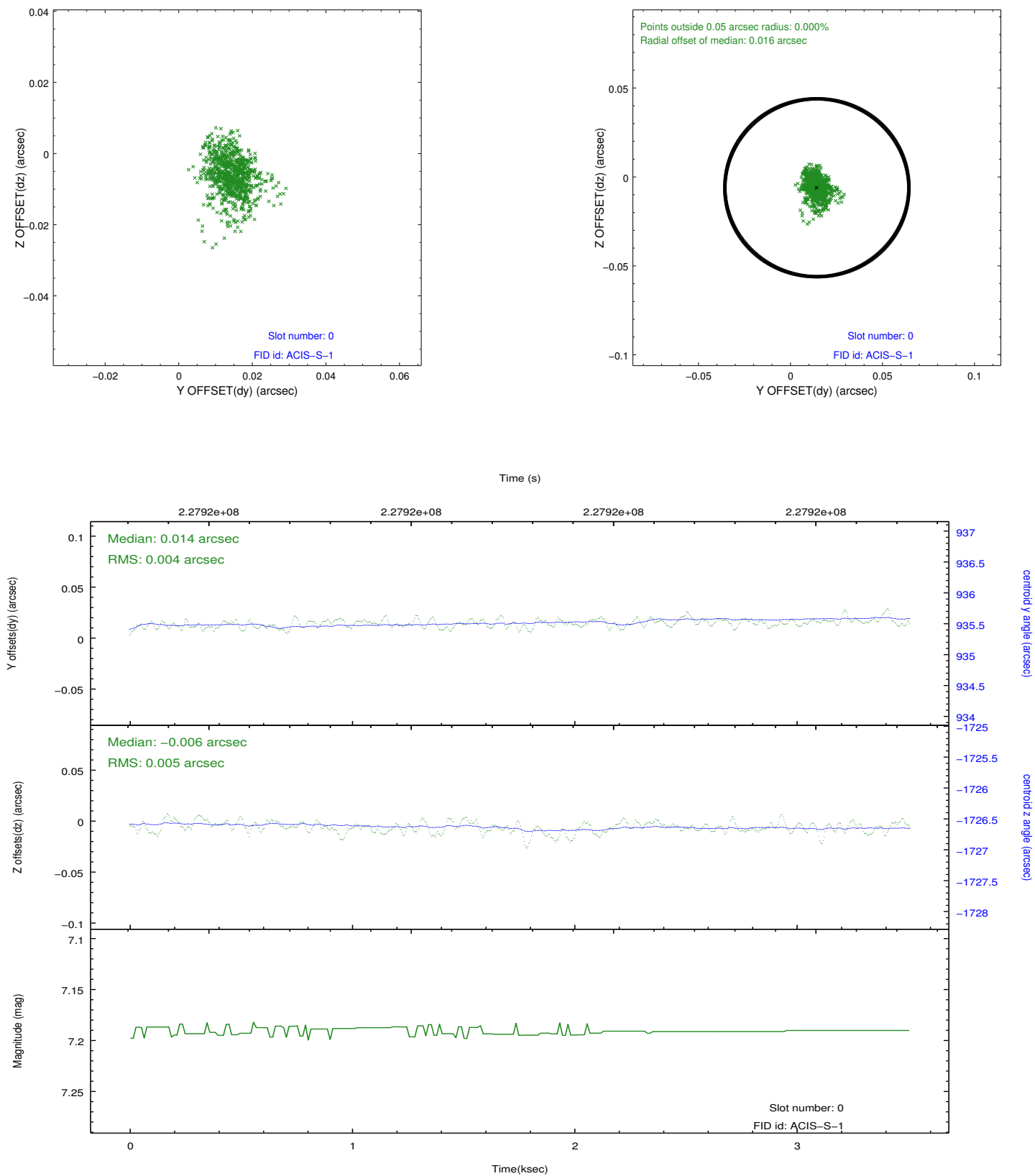


2.4.5 Slot 7

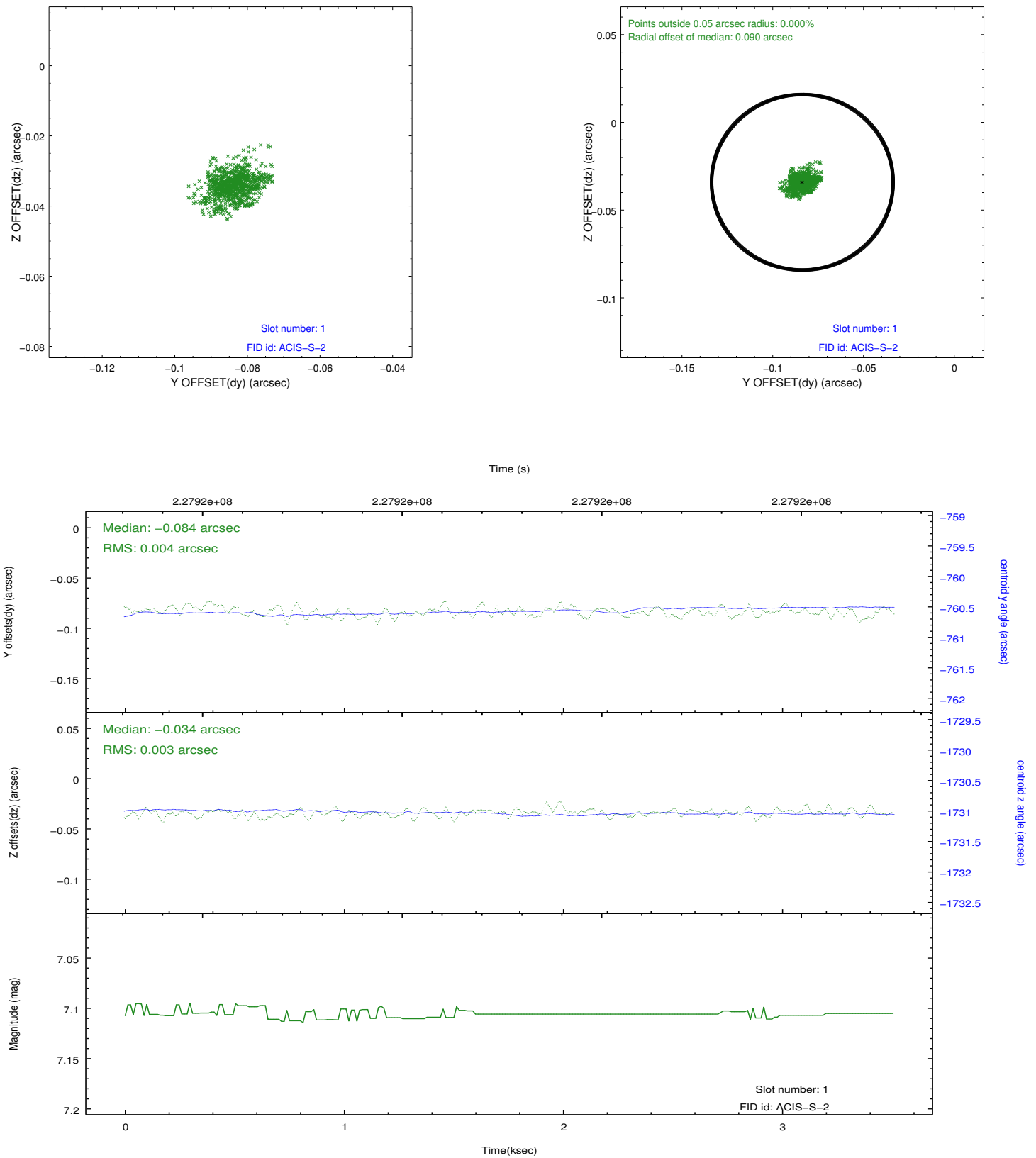


2.5 FID Slots

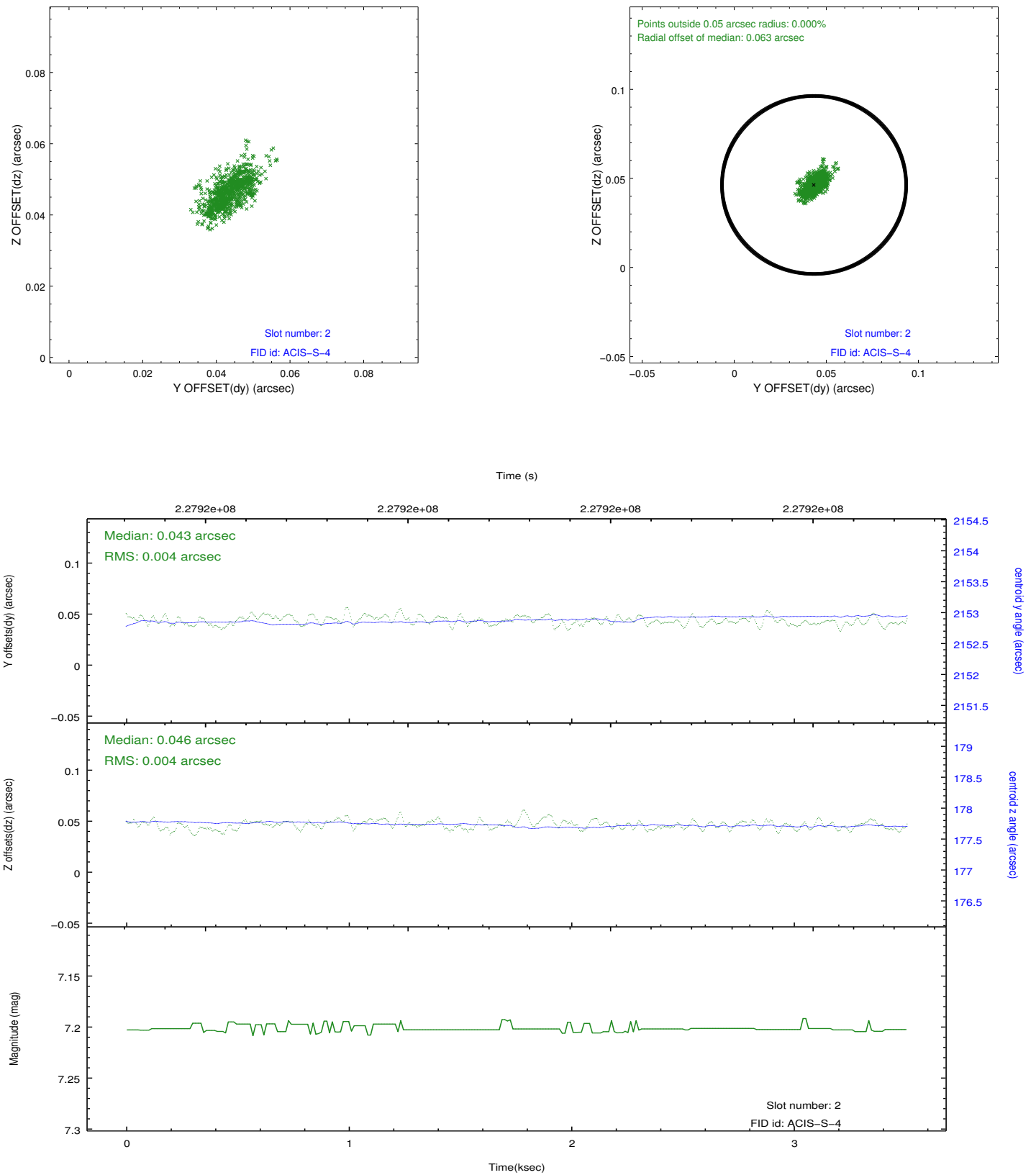
2.5.1 Slot 0



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)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.953599

A.2 Comments