

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6695 - L2 Version 2
Chandra X-Ray Center

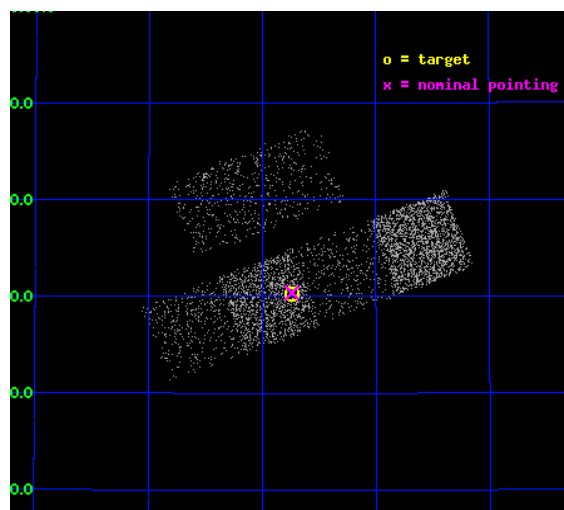
L2 Processing Date : Mar 28 2012

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1 Front

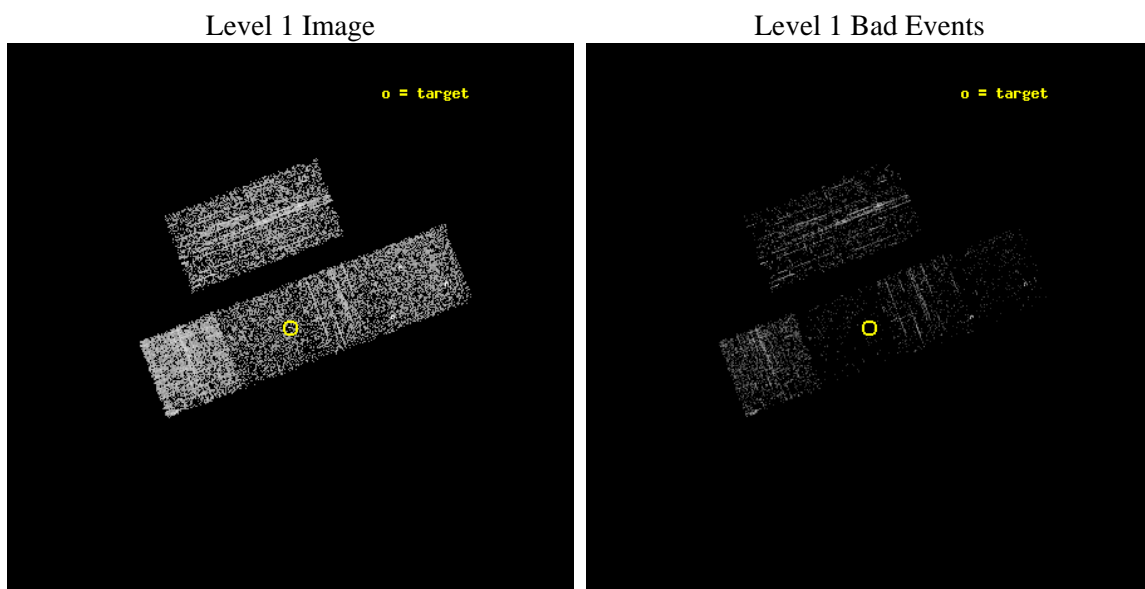
seq_num	500646	Sequence number
obs_id	6695	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J122344.6+373015	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.935833	Observer's specified target RA [deg]
dec_targ	37.504167	Observer's specified target Dec [deg]
ra_nom	185.9348173398	Nominal RA [deg]
dec_nom	37.506454633514	Nominal Dec [deg]
roll_nom	159.21974671399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	751.99999719858	Sum of GTIs [s]
livetime	742.47772043402	Livetime [s]
ontime2	751.99999719858	Sum of GTIs [s]
ontime3	751.99999719858	Sum of GTIs [s]
ontime5	751.99999719858	Sum of GTIs [s]
ontime6	751.99999719858	Sum of GTIs [s]
ontime7	751.99999719858	Sum of GTIs [s]
ontime8	748.75902682543	Sum of GTIs [s]
l2events	5021	Number of level 2 events



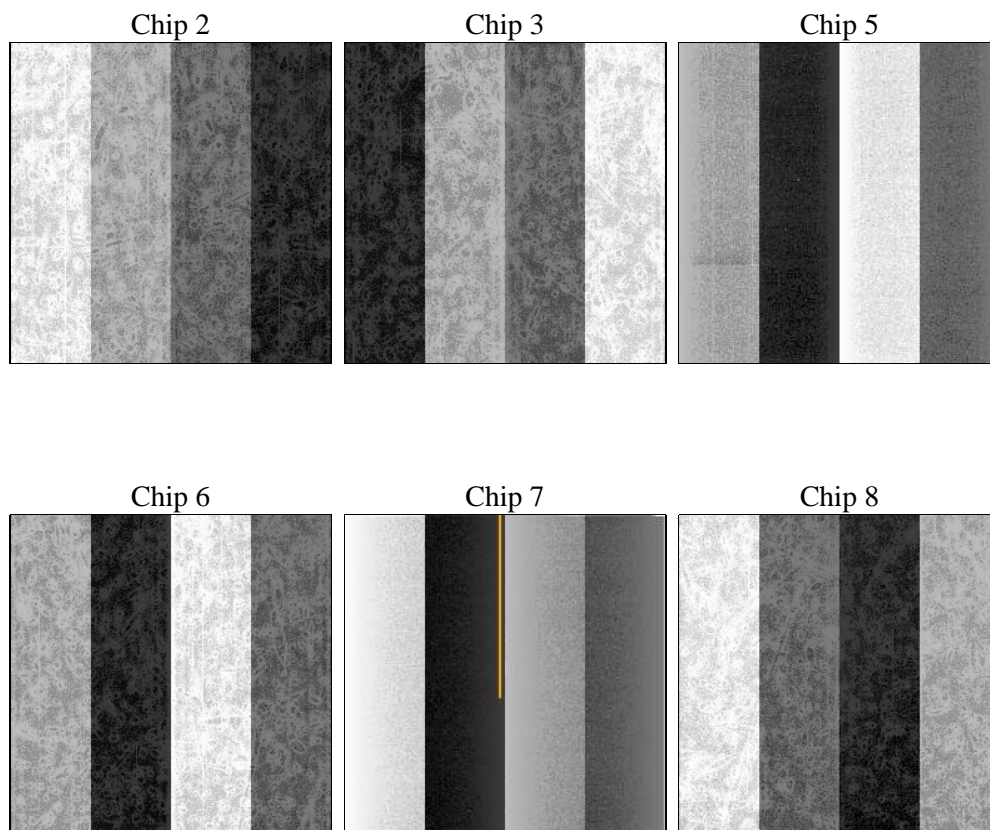
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	751.99999719858	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	751.99999719858	Sum of GTIs [s]
date	2012-03-28T02:47:33	Date and time of file creation	ontime3	751.99999719858	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	751.99999719858	Sum of GTIs [s]
			ontime6	751.99999719858	Sum of GTIs [s]
			ontime7	751.99999719858	Sum of GTIs [s]
			ontime8	748.75902682543	Sum of GTIs [s]
			l1events	29953	Number of level 1 events

2.1.4 Events

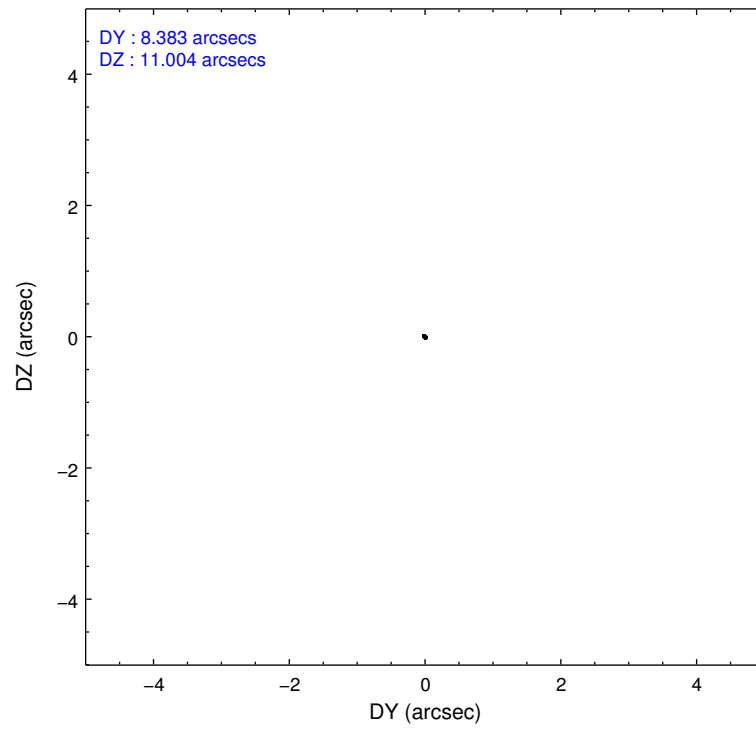
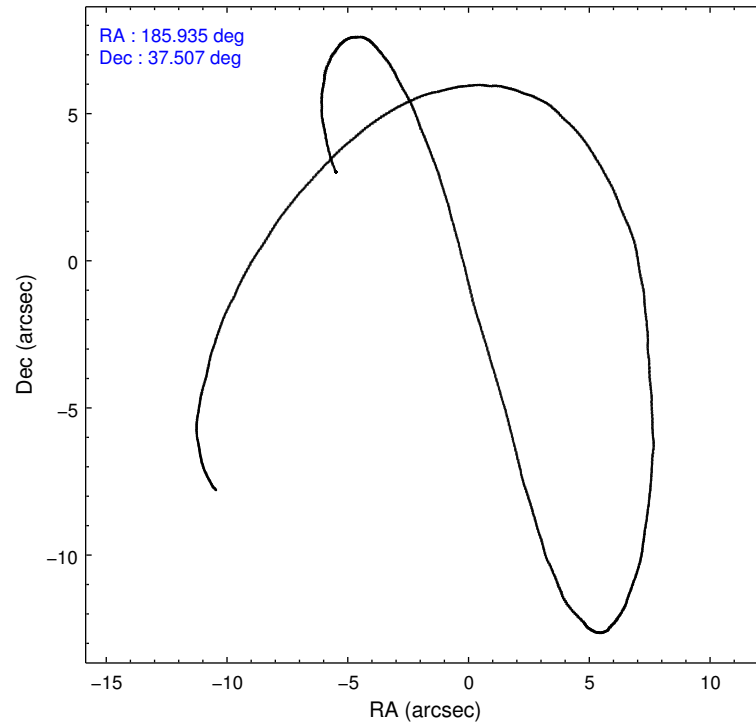
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5390	4824	4385	3988	2741	8625
rejected events	5029	4425	1720	3574	1154	7104
rejected %	93%	91%	39%	89%	42%	82%

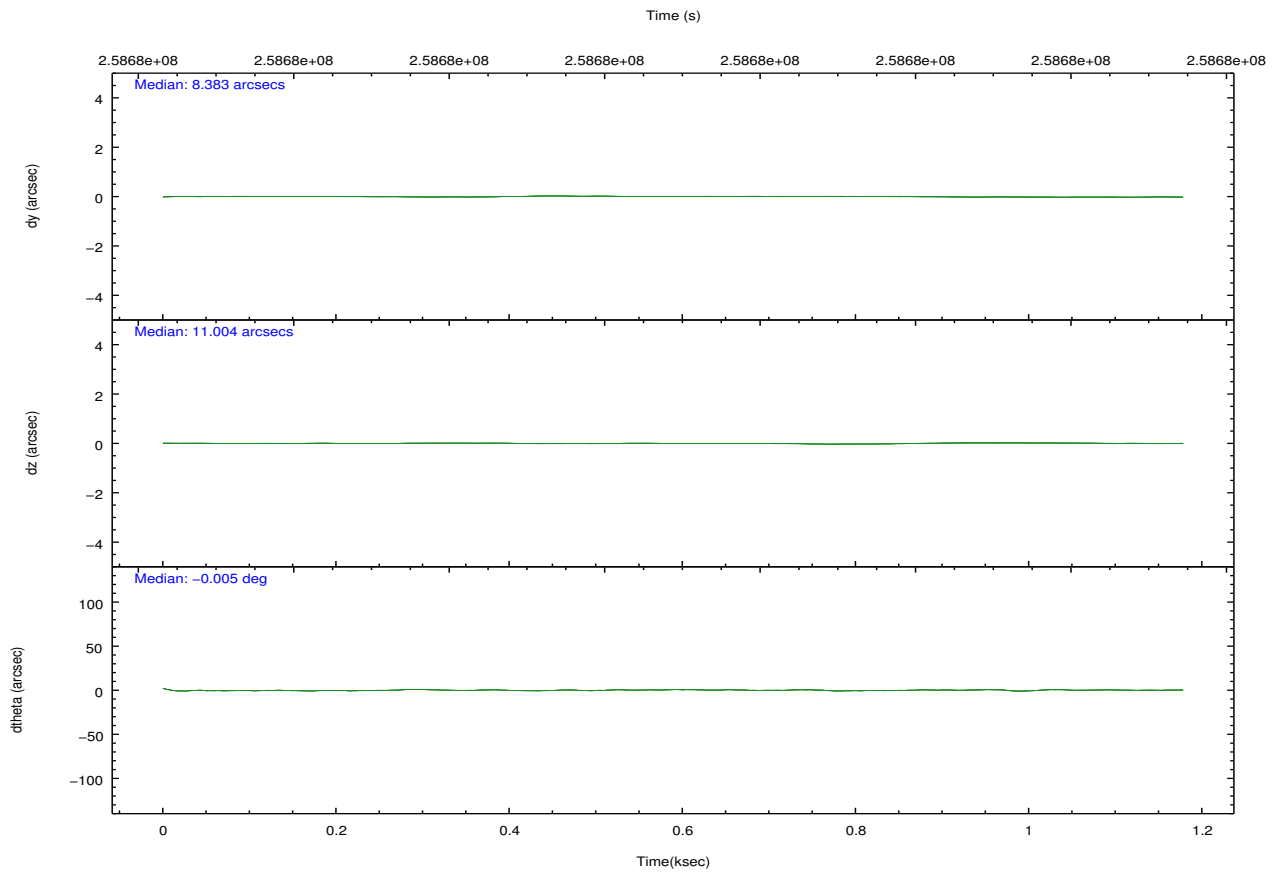
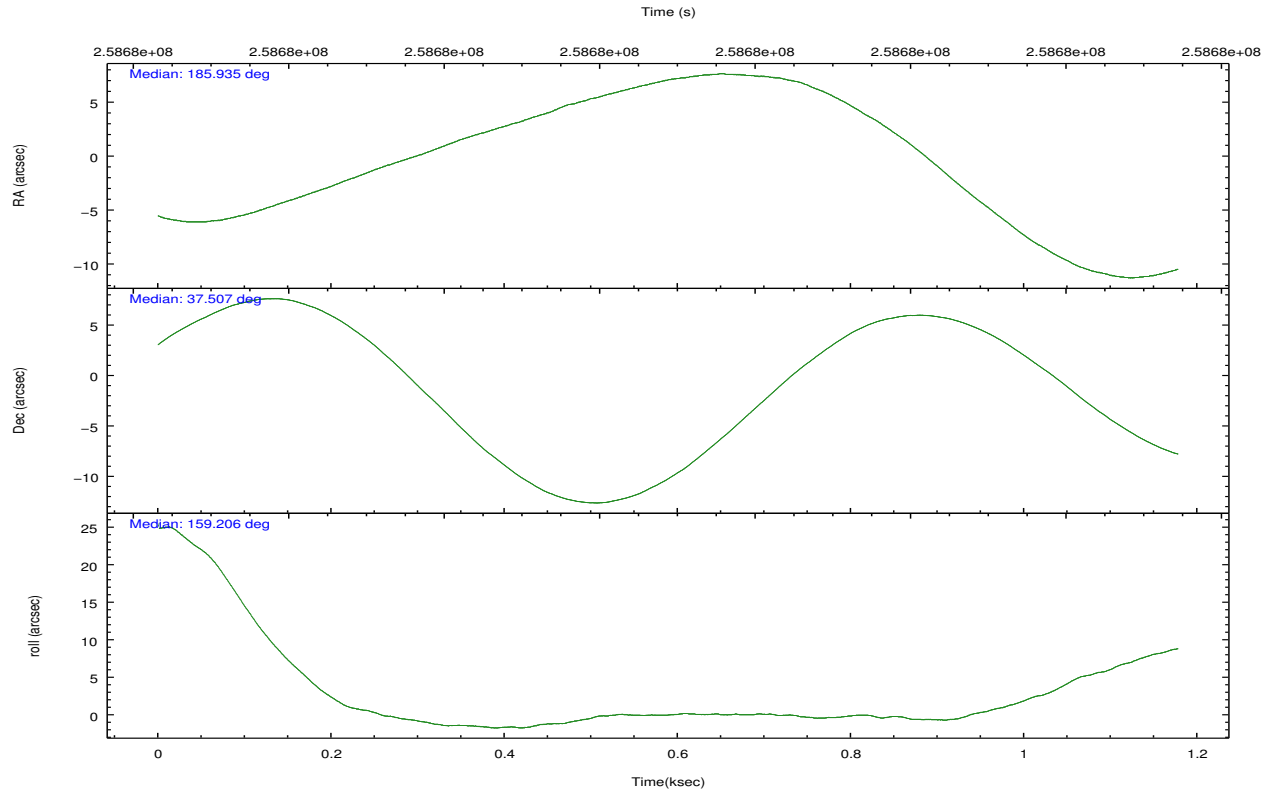
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	141	175	438	165	220	399
	2%	3%	9%	4%	8%	4%
grade 1 events	0	4	56	4	1	11
	0%	0%	1%	0%	0%	0%
grade 2 events	105	88	852	88	430	360
	1%	1%	19%	2%	15%	4%
grade 3 events	36	48	138	64	152	163
	0%	0%	3%	1%	5%	1%
grade 4 events	35	42	142	29	164	161
	0%	0%	3%	0%	5%	1%
grade 5 events	58	93	409	78	286	169
	1%	1%	9%	1%	10%	1%
grade 6 events	44	46	1119	70	633	439
	0%	0%	25%	1%	23%	5%
grade 7 events	4971	4328	1231	3490	855	6923
	92%	89%	28%	87%	31%	80%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	185.968922	185.9348173397987	Subarray requested	NONE	NONE
[deg] Pointing Dec	37.510889	37.50645463351398	Alternating exposures requested	N	N
[deg] Pointing Roll	159.042287	159.2197467139934	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	258676275.184000	258675475.46689			
Observation start date	2006-03-13T22:30:10	2006-03-13T22:17:55			
[s] Observation end time (MET)	258677275.184000	258677747.3795			
Observation end date	2006-03-13T22:46:50	2006-03-13T22:55:47			
Read mode	TIMED	TIMED			

2.3 Aspect



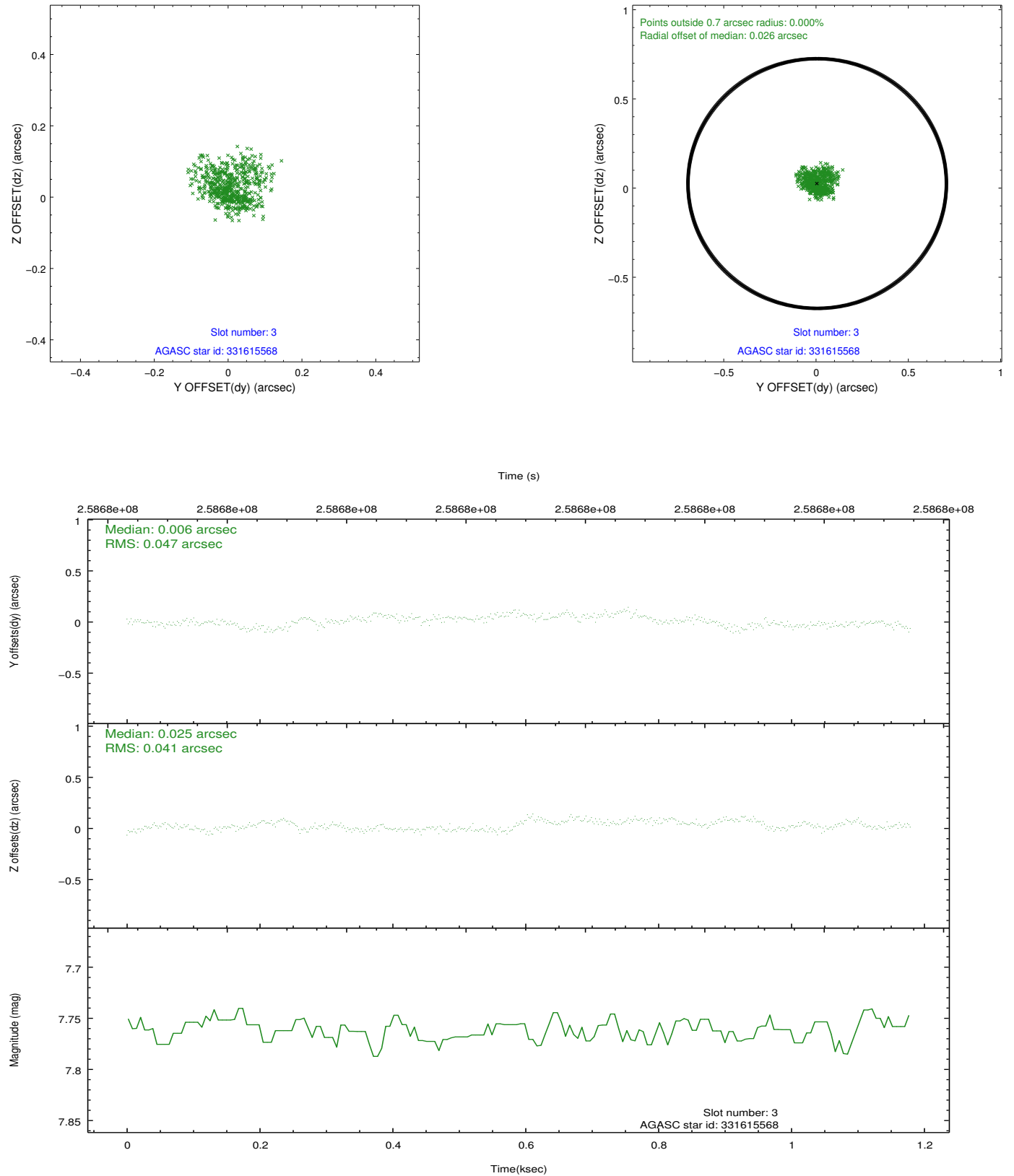


Slot Statistics

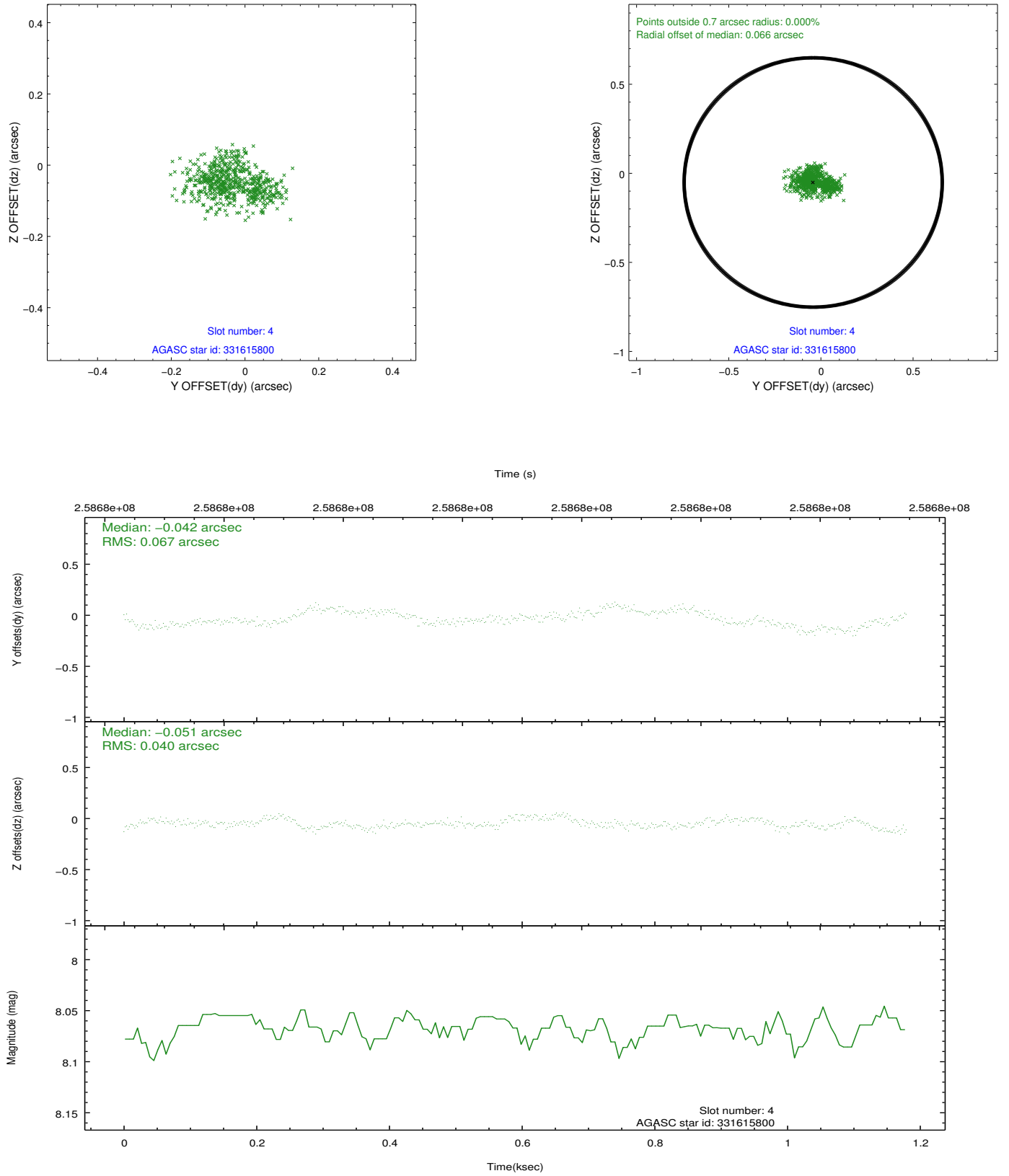
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	288	-0.036	-0.010	0.007	0.011	0.000000	0.000000	-761.17	-1732.30
1	FID	ACIS-S-4	7.20	288	0.126	0.020	0.006	0.012	0.000000	0.000000	2149.66	170.41
2	FID	ACIS-S-5	7.23	288	-0.122	-0.001	0.007	0.011	0.000000	0.000000	-1806.87	170.42
3	GUIDE	331615568	7.76	576	0.006	0.025	0.067	0.110	186.599037	37.113905	-2199.13	682.70
4	GUIDE	331615800	8.07	576	-0.042	-0.051	0.084	0.130	186.277438	37.220804	-1203.62	659.75
5	GUIDE	395587288	10.18	576	0.057	-0.049	0.134	0.213	186.294307	37.892215	-374.47	-1611.78
6	GUIDE	395588888	10.46	576	-0.034	-0.055	0.242	0.383	186.077011	37.979548	315.91	-1686.90
7	GUIDE	395593504	9.58	575	0.027	0.126	0.164	0.252	186.125686	37.706959	-164.23	-820.62

2.4 Star Slots

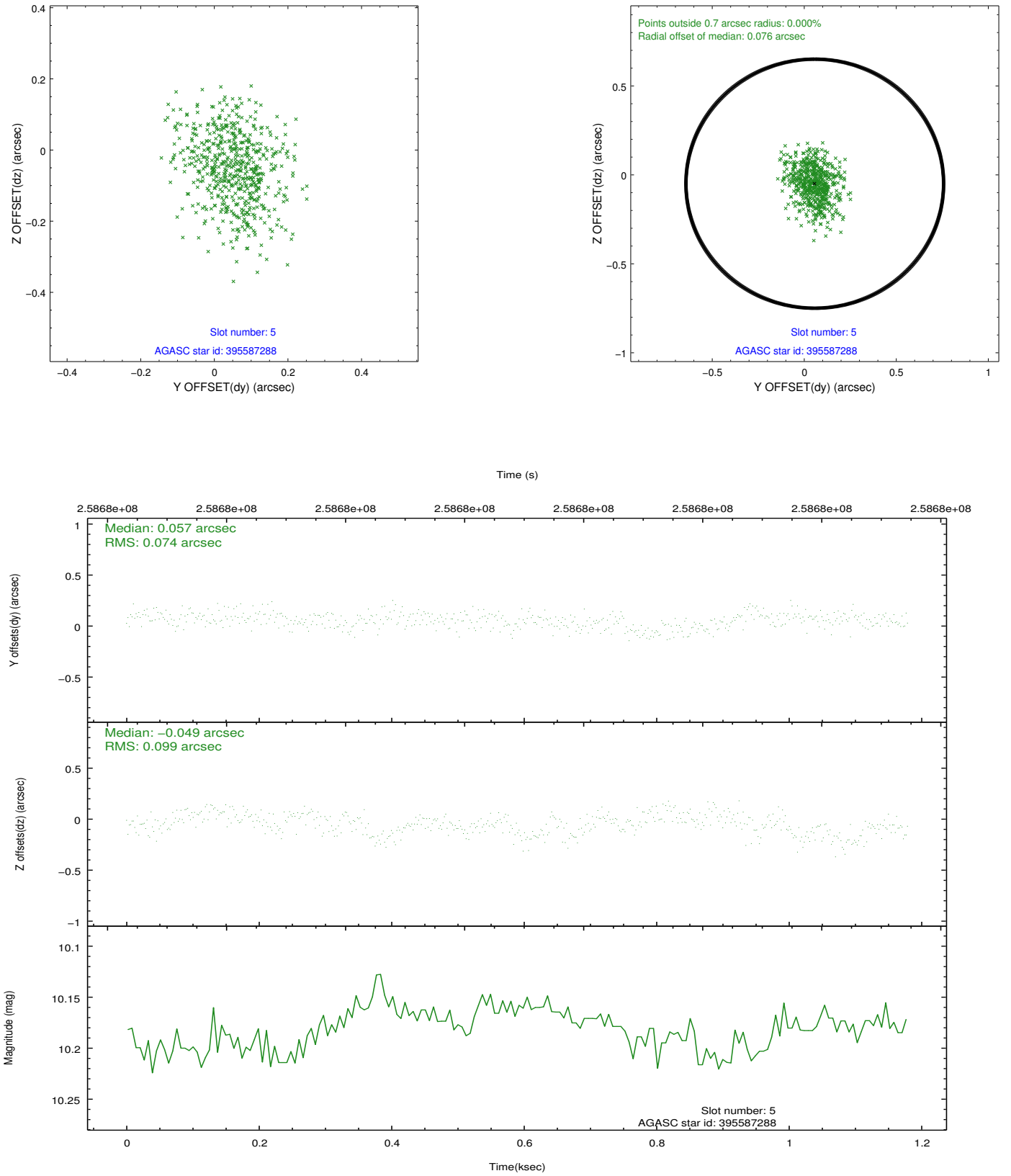
2.4.1 Slot 3



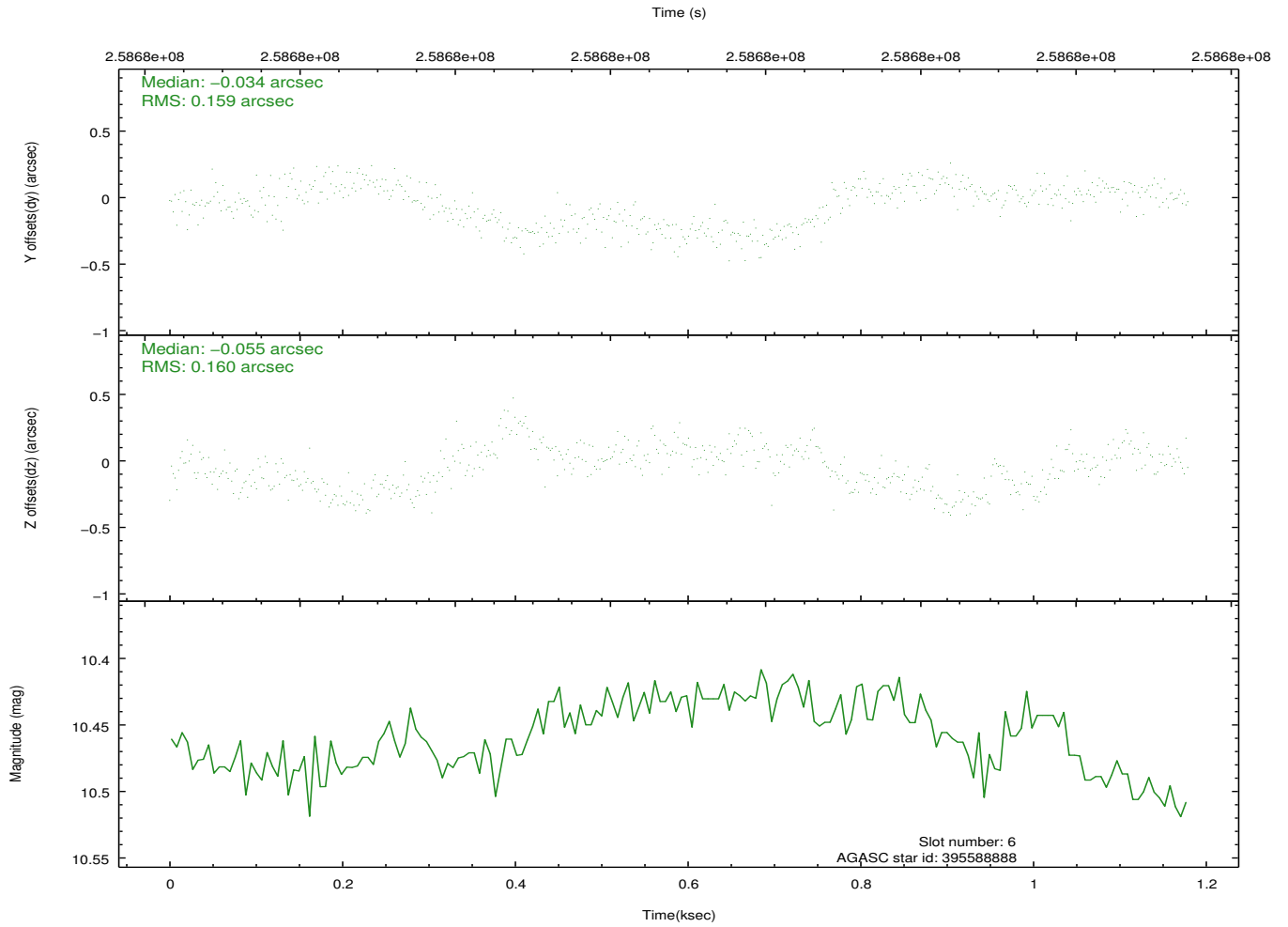
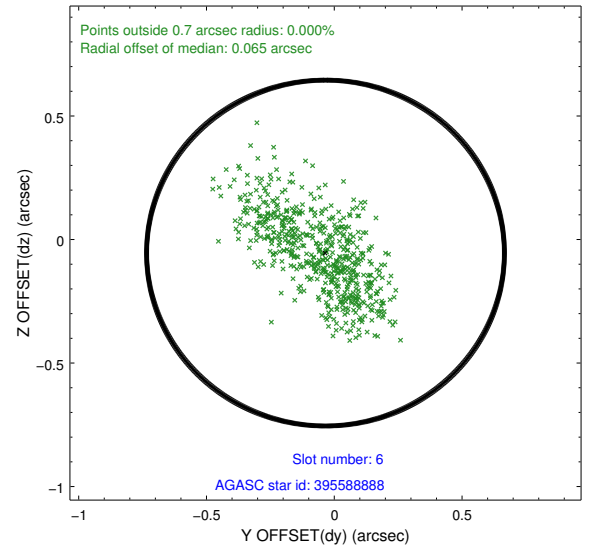
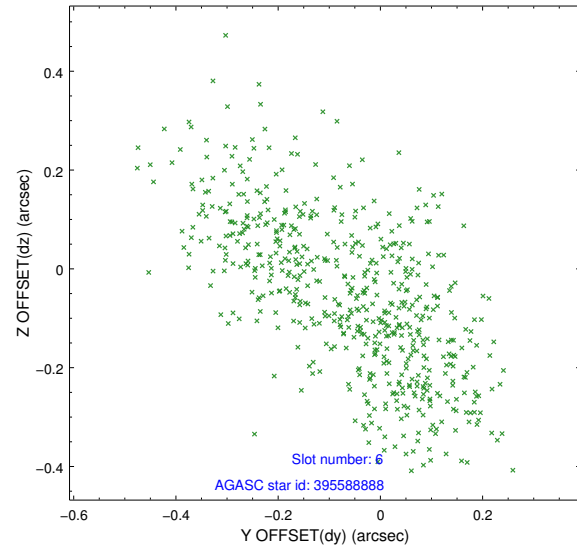
2.4.2 Slot 4



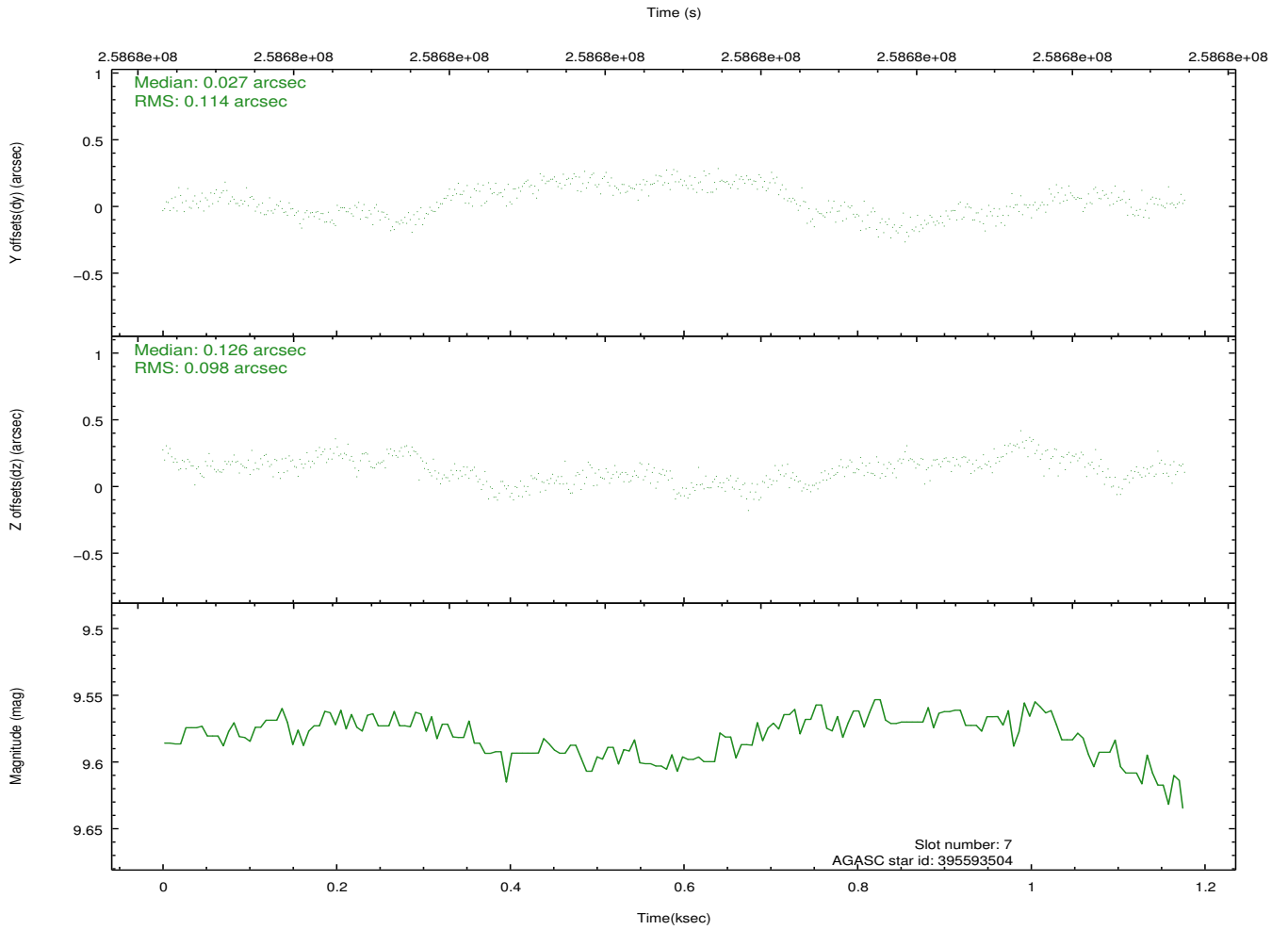
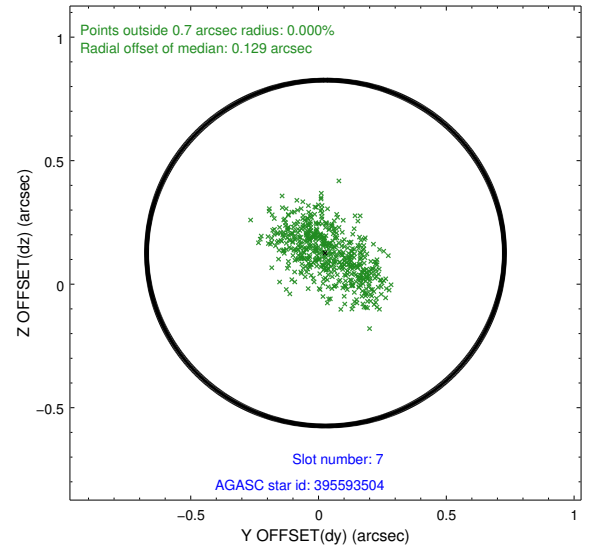
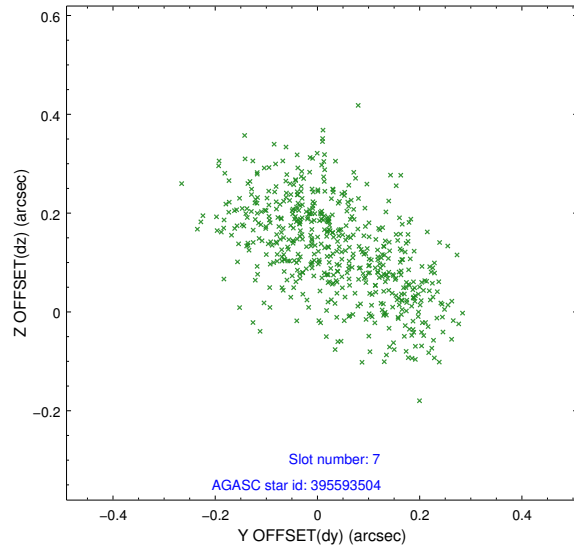
2.4.3 Slot 5



2.4.4 Slot 6

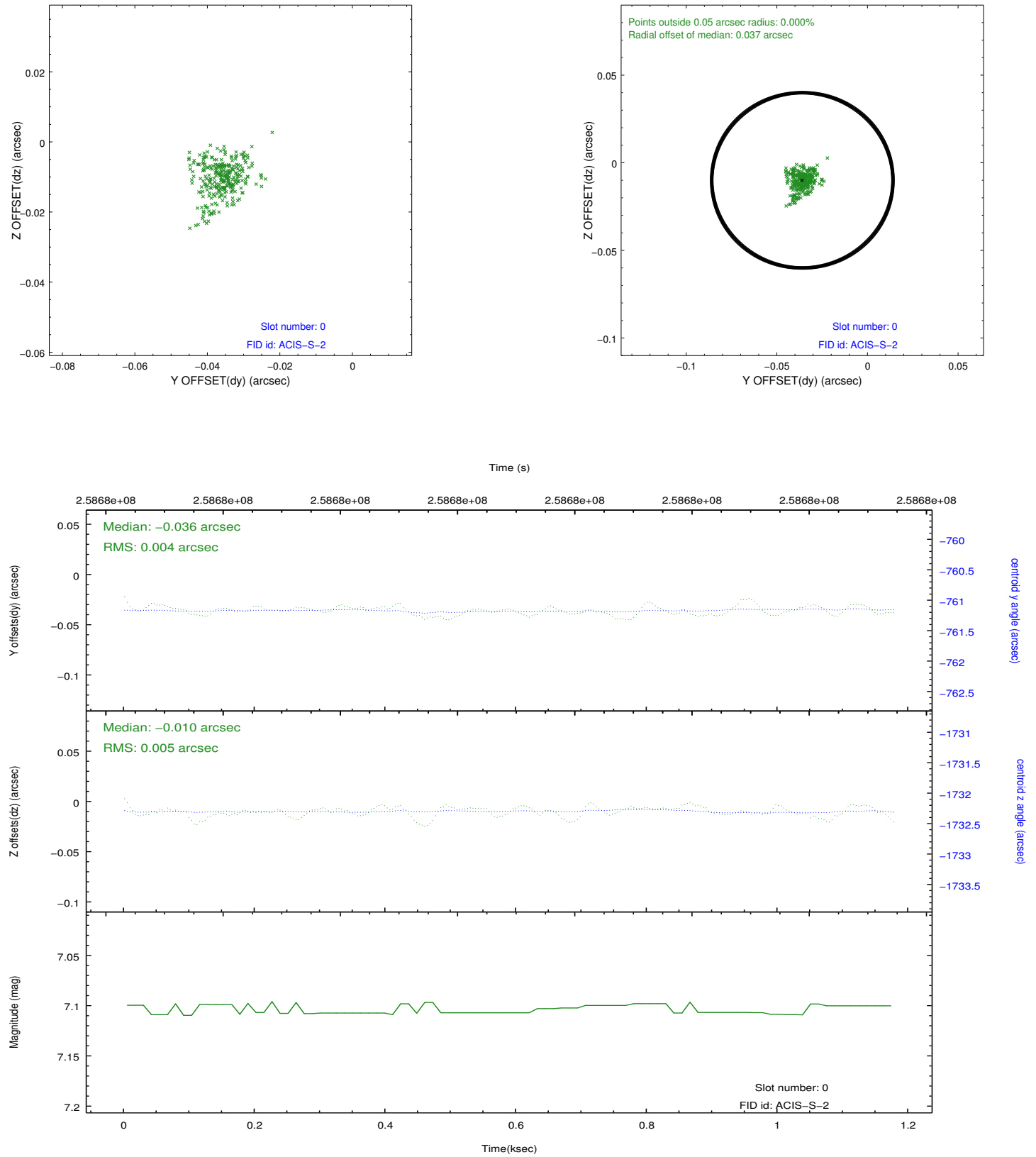


2.4.5 Slot 7

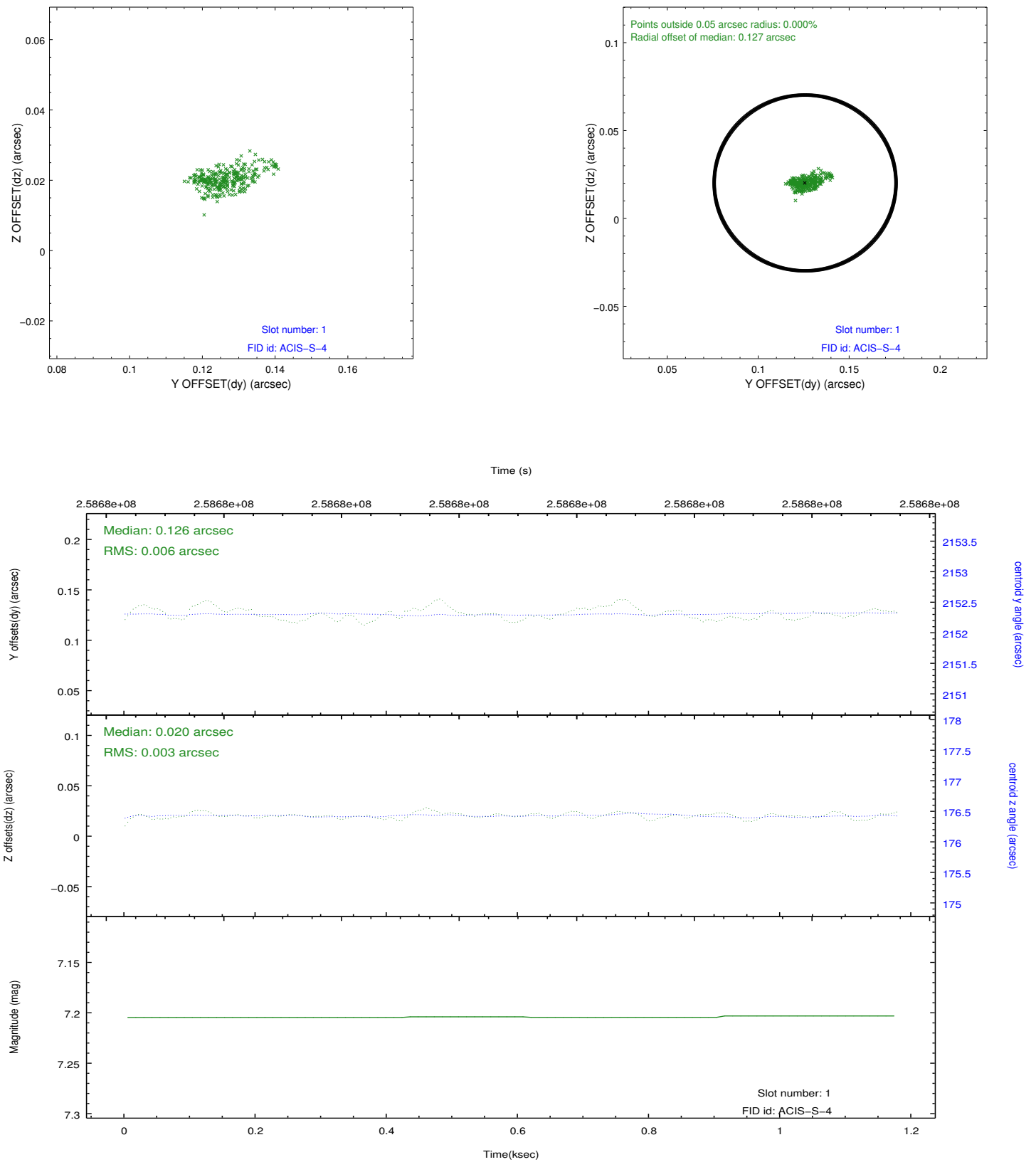


2.5 FID Slots

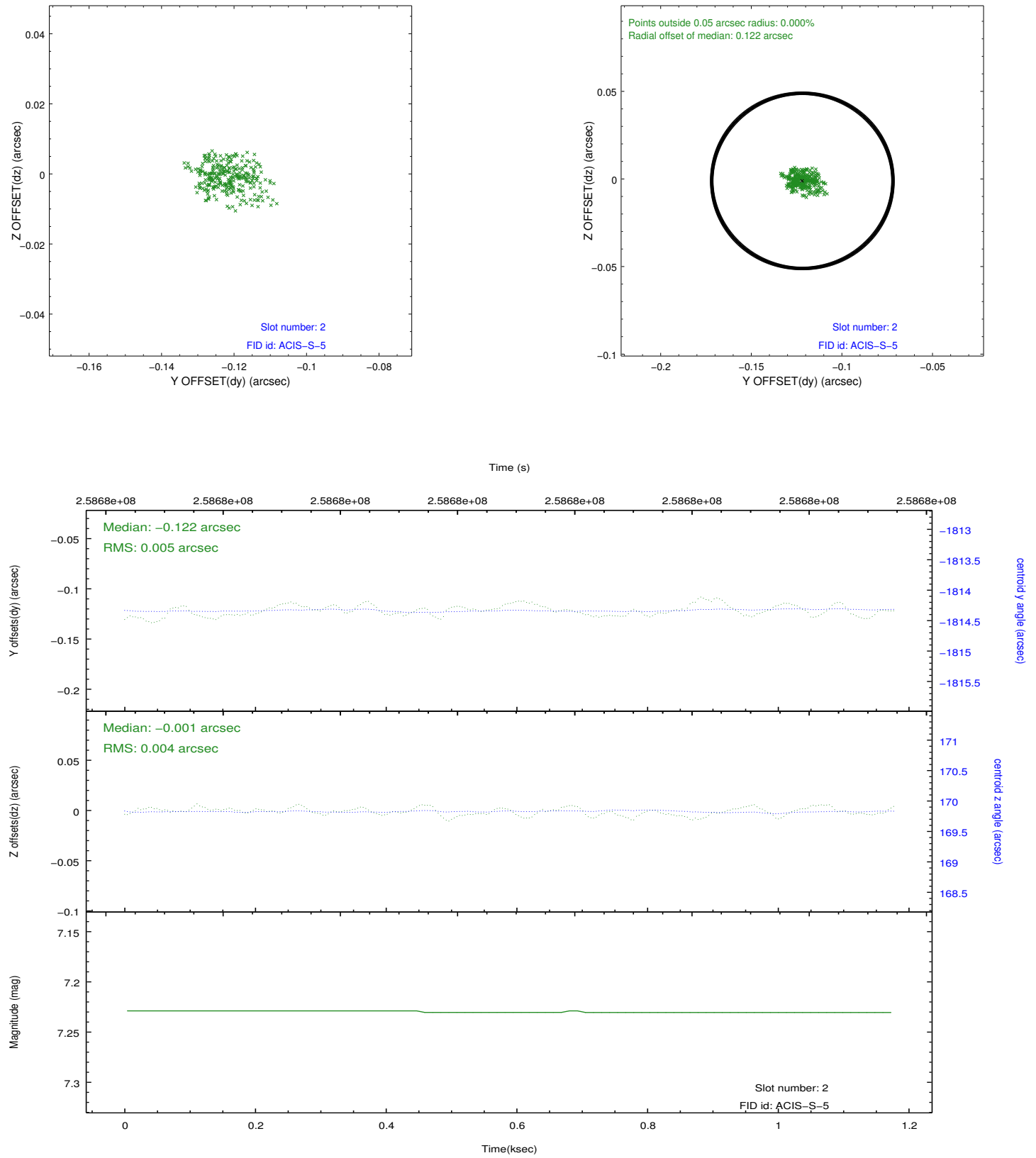
2.5.1 Slot 0



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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.75199999

A.2 Comments