

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6703 - L2 Version 2
Chandra X-Ray Center

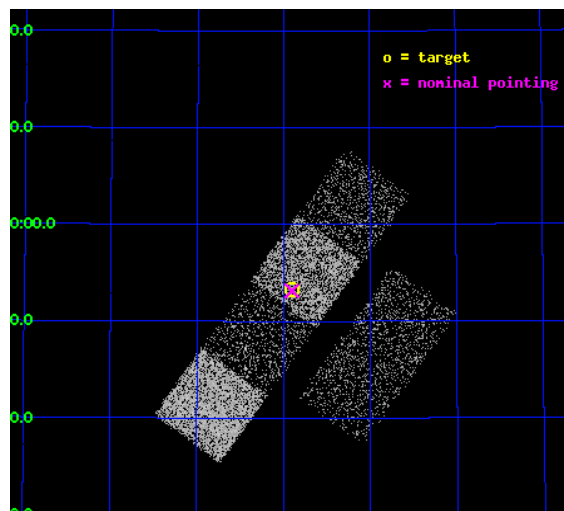
L2 Processing Date : Apr 8 2012

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

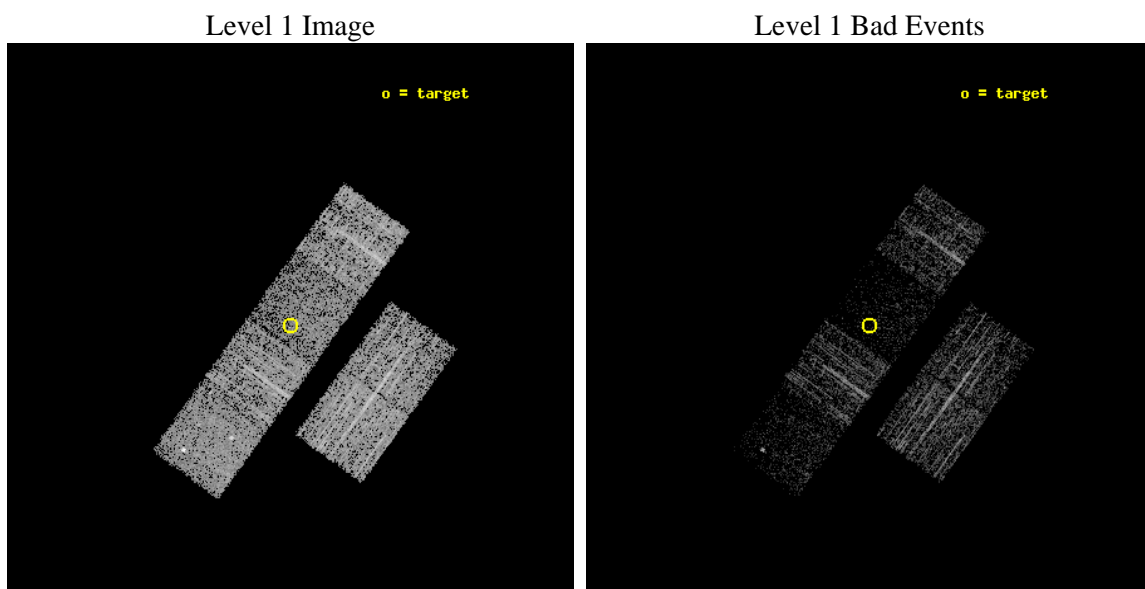
seq_num	500654	Sequence number
obs_id	6703	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J140654.5+525316	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	211.727083	Observer's specified target RA [deg]
dec_targ	52.887917	Observer's specified target Dec [deg]
ra_nom	211.72603613184	Nominal RA [deg]
dec_nom	52.885836044588	Nominal Dec [deg]
roll_nom	305.87319399568	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2047.5453913212	Sum of GTIs [s]
livetime	2021.6181386925	Livetime [s]
ontime2	2044.3454610705	Sum of GTIs [s]
ontime3	2047.4222713113	Sum of GTIs [s]
ontime5	2047.5043513179	Sum of GTIs [s]
ontime6	2047.4633113146	Sum of GTIs [s]
ontime7	2047.5453913212	Sum of GTIs [s]
ontime8	2047.381231308	Sum of GTIs [s]
l2events	13992	Number of level 2 events



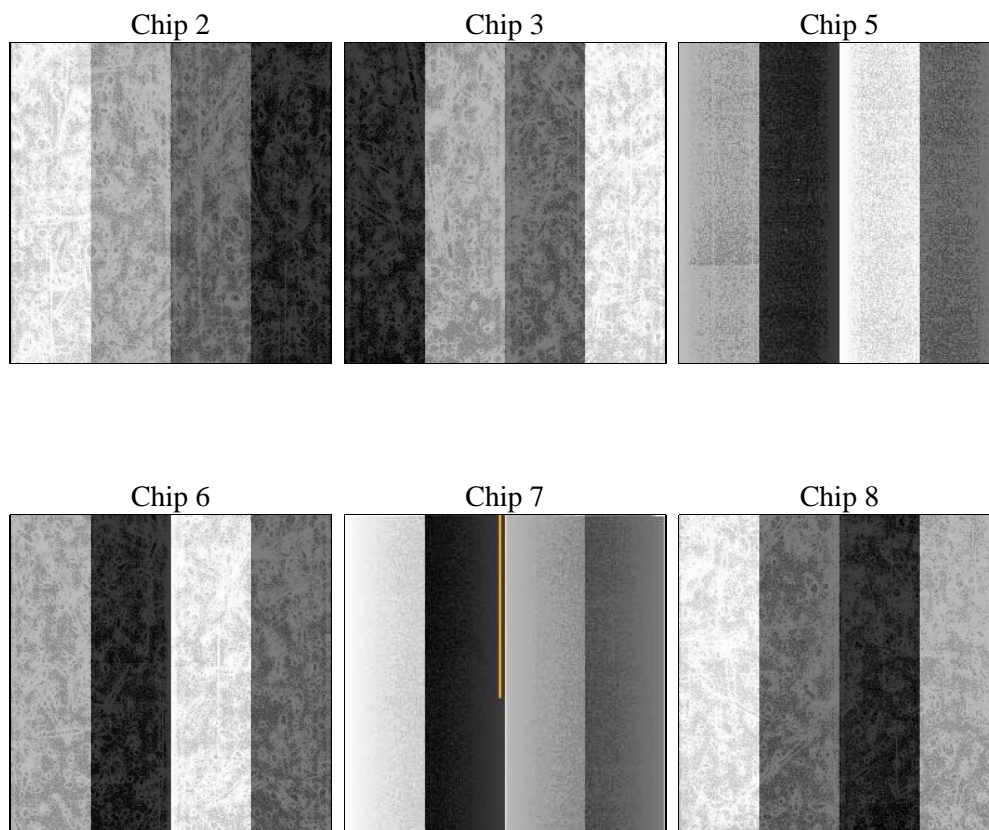
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	2047.5453913212	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2044.3454610705	Sum of GTIs [s]
date	2012-04-08T19:22:38	Date and time of file creation	ontime3	2047.4222713113	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2047.5043513179	Sum of GTIs [s]
			ontime6	2047.4633113146	Sum of GTIs [s]
			ontime7	2047.5453913212	Sum of GTIs [s]
			ontime8	2047.381231308	Sum of GTIs [s]
			l1events	74137	Number of level 1 events

2.1.4 Events

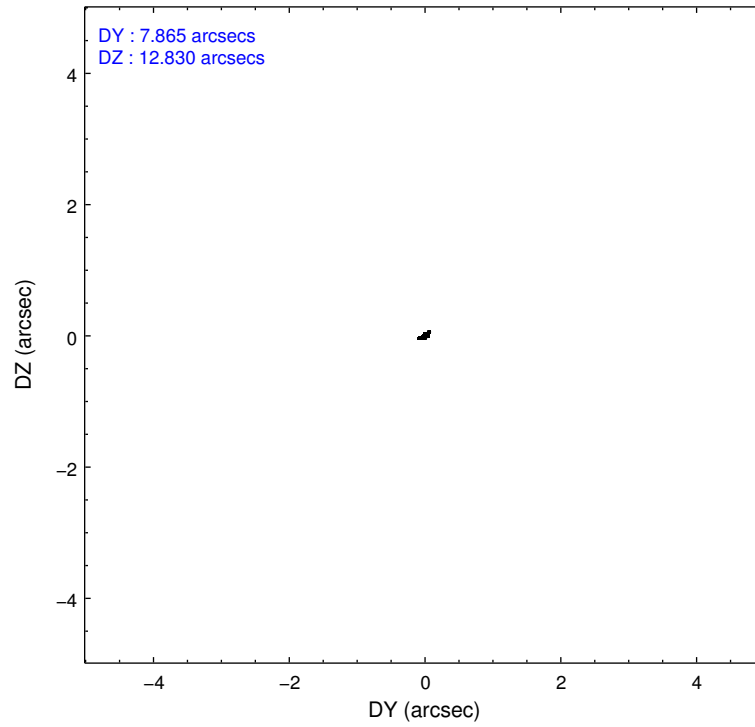
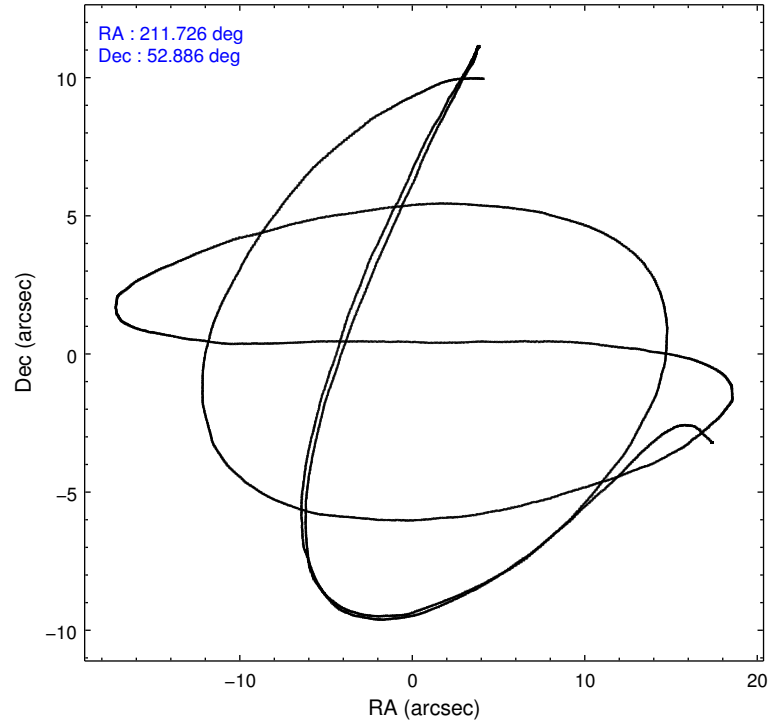
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15588	12042	11727	12568	7320	14892
rejected events	14470	11052	4365	11423	3100	11058
rejected %	92%	91%	37%	90%	42%	74%

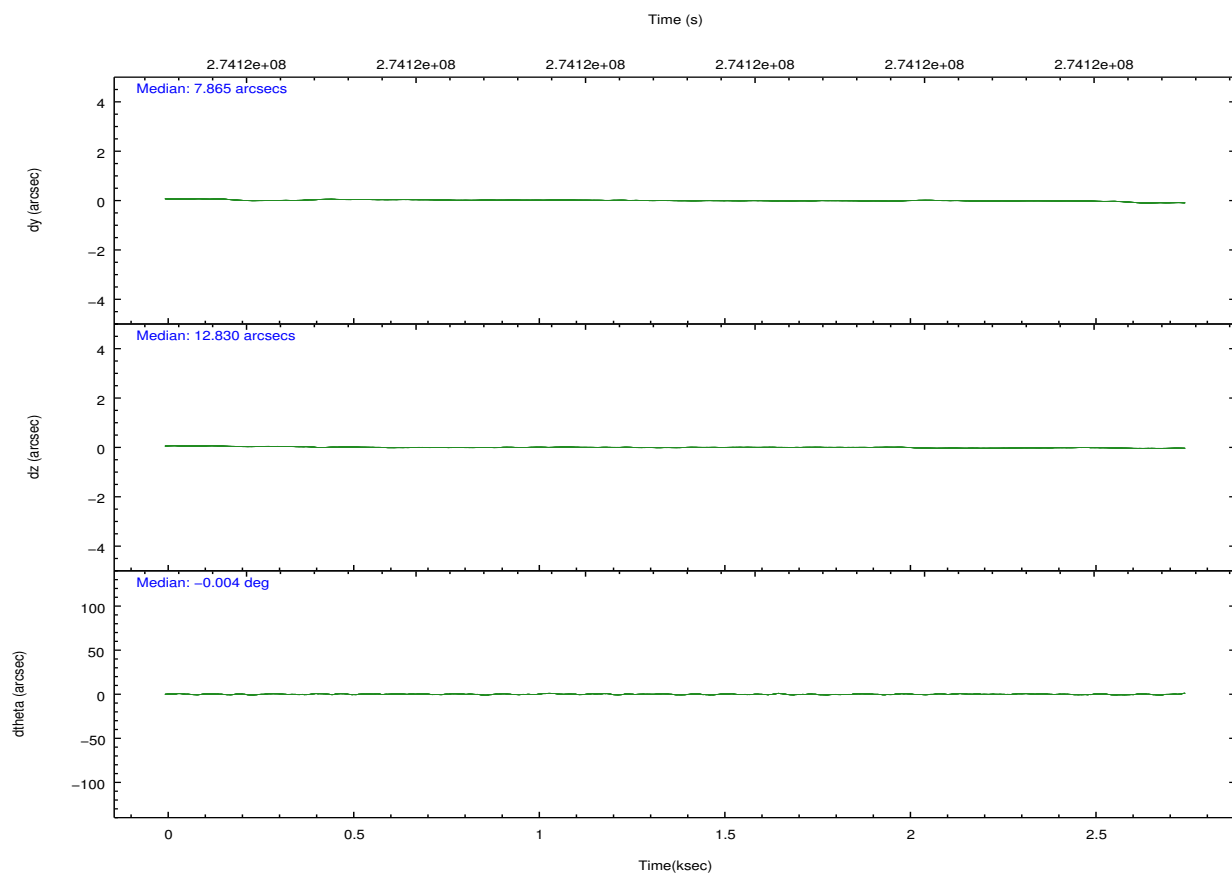
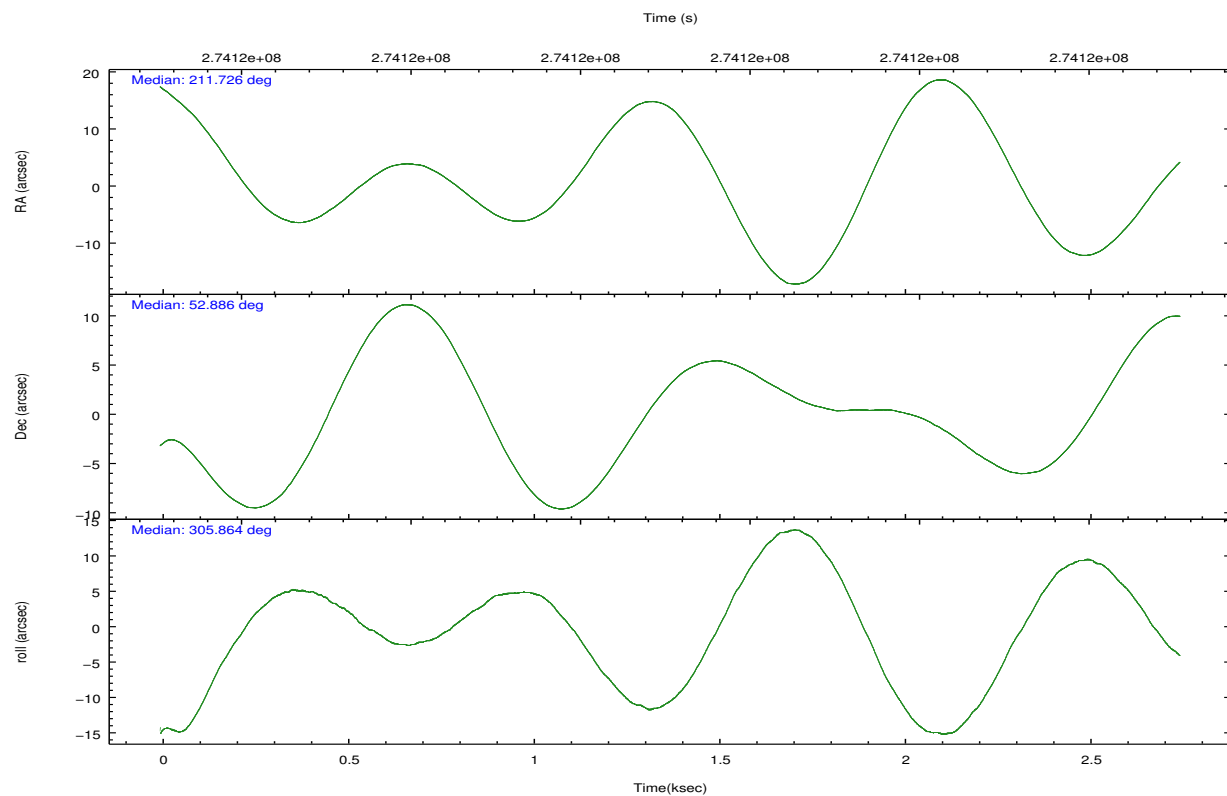
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	463	417	1147	505	509	1139
	2%	3%	9%	4%	6%	7%
grade 1 events	18	7	174	1	17	7
	0%	0%	1%	0%	0%	0%
grade 2 events	263	196	2475	221	1010	839
	1%	1%	21%	1%	13%	5%
grade 3 events	120	120	351	116	439	499
	0%	0%	2%	0%	5%	3%
grade 4 events	112	103	371	116	451	447
	0%	0%	3%	0%	6%	3%
grade 5 events	198	250	891	242	796	435
	1%	2%	7%	1%	10%	2%
grade 6 events	163	155	3039	187	1818	935
	1%	1%	25%	1%	24%	6%
grade 7 events	14251	10794	3279	11180	2280	10591
	91%	89%	27%	88%	31%	71%

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	211.684602	211.7260361318418	Subarray requested	NONE	NONE
[deg] Pointing Dec	52.896715	52.88583604458814	Alternating exposures requested	N	N
[deg] Pointing Roll	305.749617	305.8731939956776	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	274122629.184000	274121337.51404			
Observation start date	2006-09-08T17:09:24	2006-09-08T16:48:57			
[s] Observation end time (MET)	274124629.184000	274125485.68923			
Observation end date	2006-09-08T17:42:44	2006-09-08T17:58:05			
Read mode	TIMED	TIMED			

2.3 Aspect



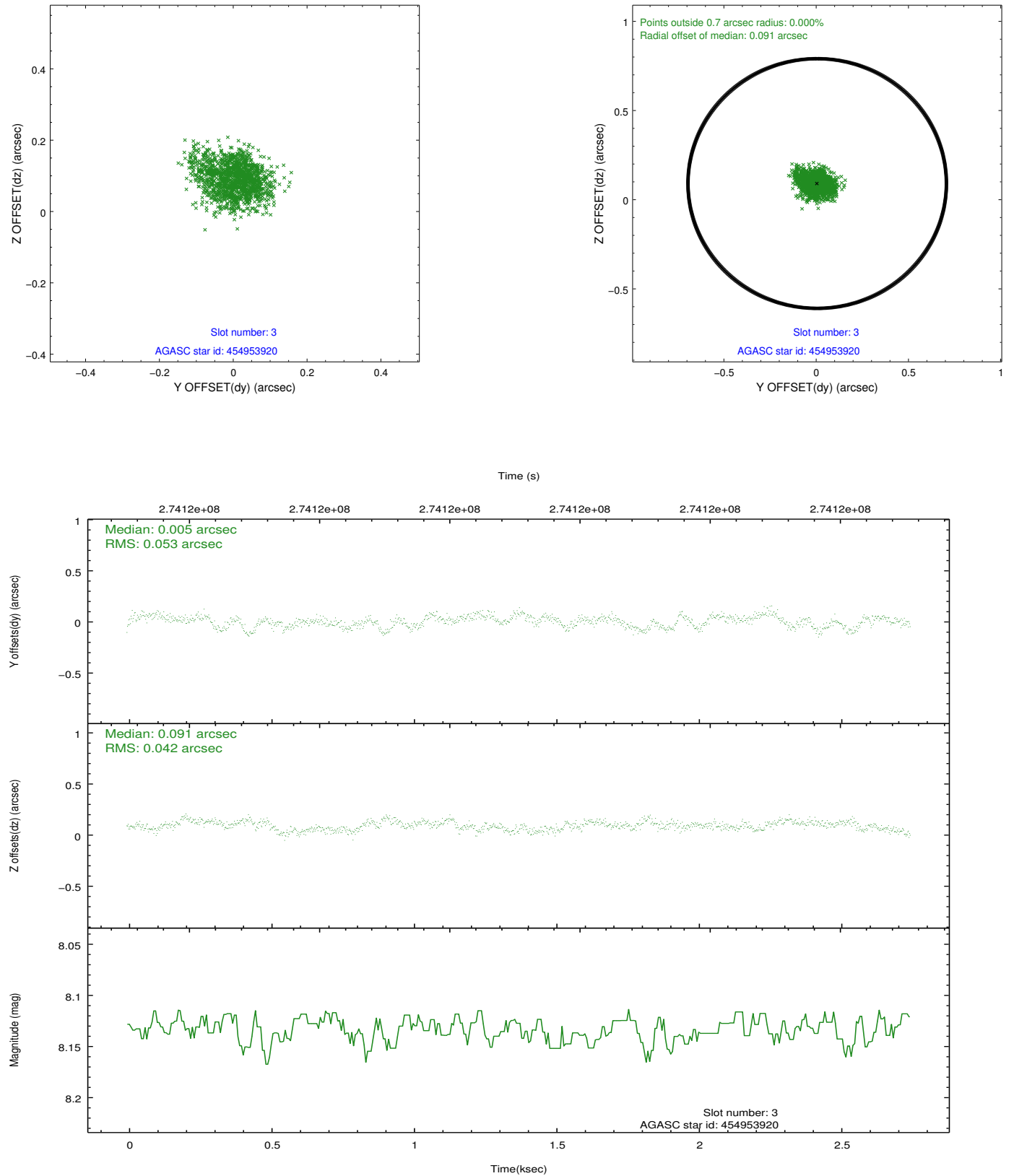


Slot Statistics

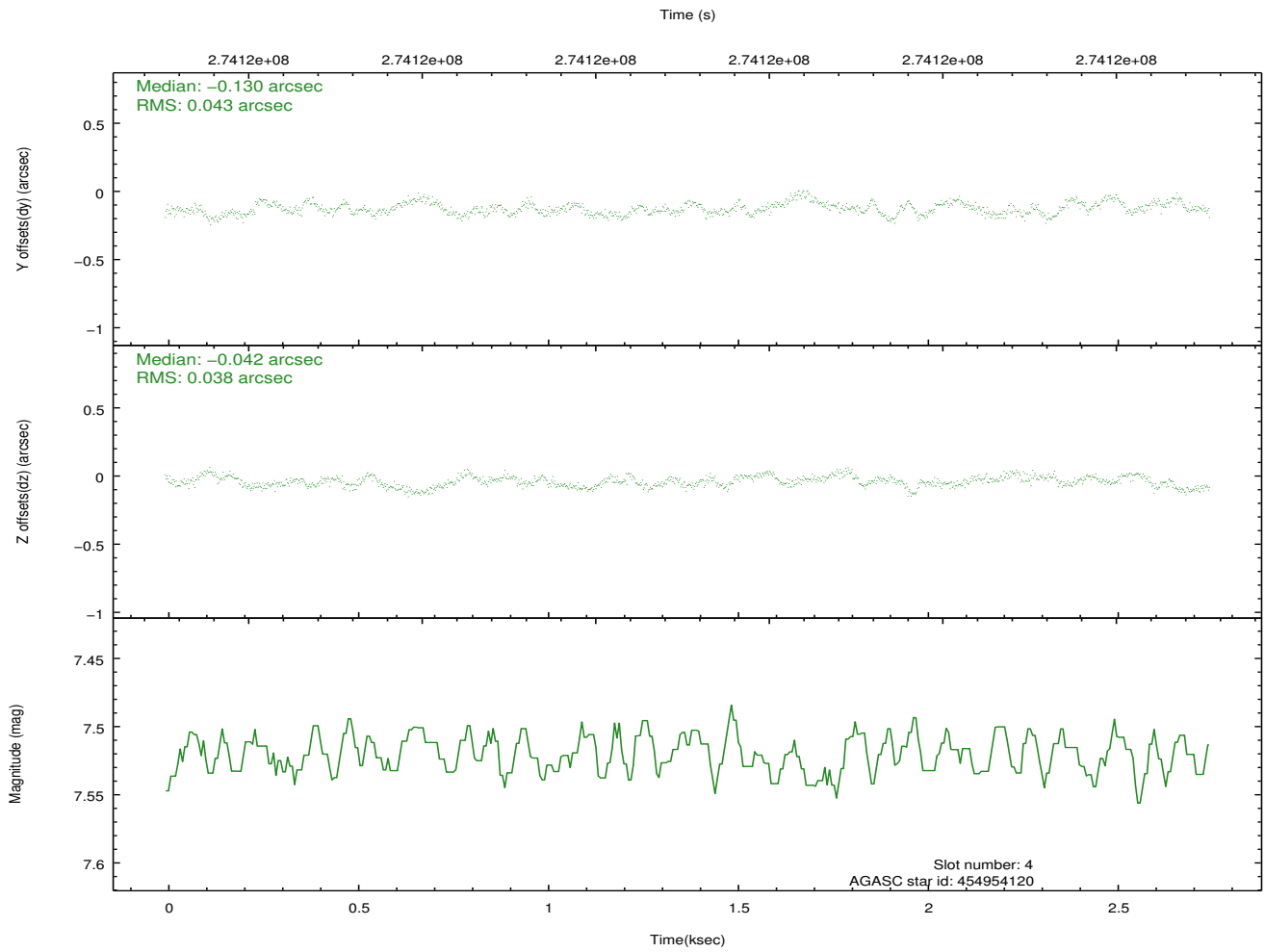
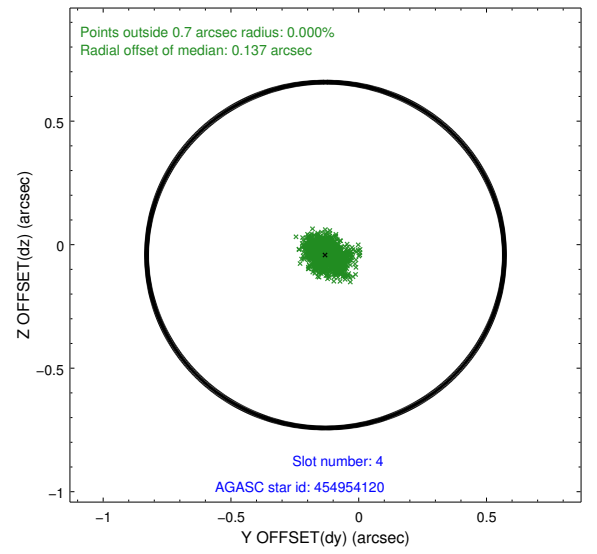
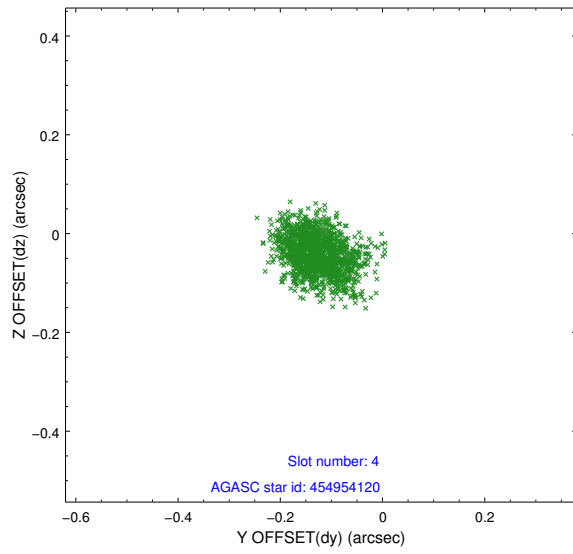
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	671	-0.011	-0.046	0.006	0.010	0.000000	0.000000	-760.67	-1734.14
1	FID	ACIS-S-4	7.20	671	0.094	0.018	0.006	0.010	0.000000	0.000000	2151.67	171.96
2	FID	ACIS-S-5	7.24	671	-0.113	0.037	0.007	0.011	0.000000	0.000000	-1810.59	168.35
3	GUIDE	454953920	8.13	1342	0.005	0.091	0.070	0.117	211.762292	52.212324	2099.93	-1299.62
4	GUIDE	454954120	7.52	1342	-0.130	-0.042	0.061	0.096	211.117833	52.415659	676.23	-2019.91
5	GUIDE	504894936	7.03	1342	-0.083	-0.156	0.058	0.089	211.671952	53.312308	-1230.01	850.70
6	GUIDE	504899792	9.45	1339	0.057	-0.067	0.106	0.173	212.857278	52.739967	1933.27	1757.89
7	GUIDE	504894728	8.82	1341	0.153	0.168	0.065	0.102	213.220892	52.722550	2438.13	2375.30

2.4 Star Slots

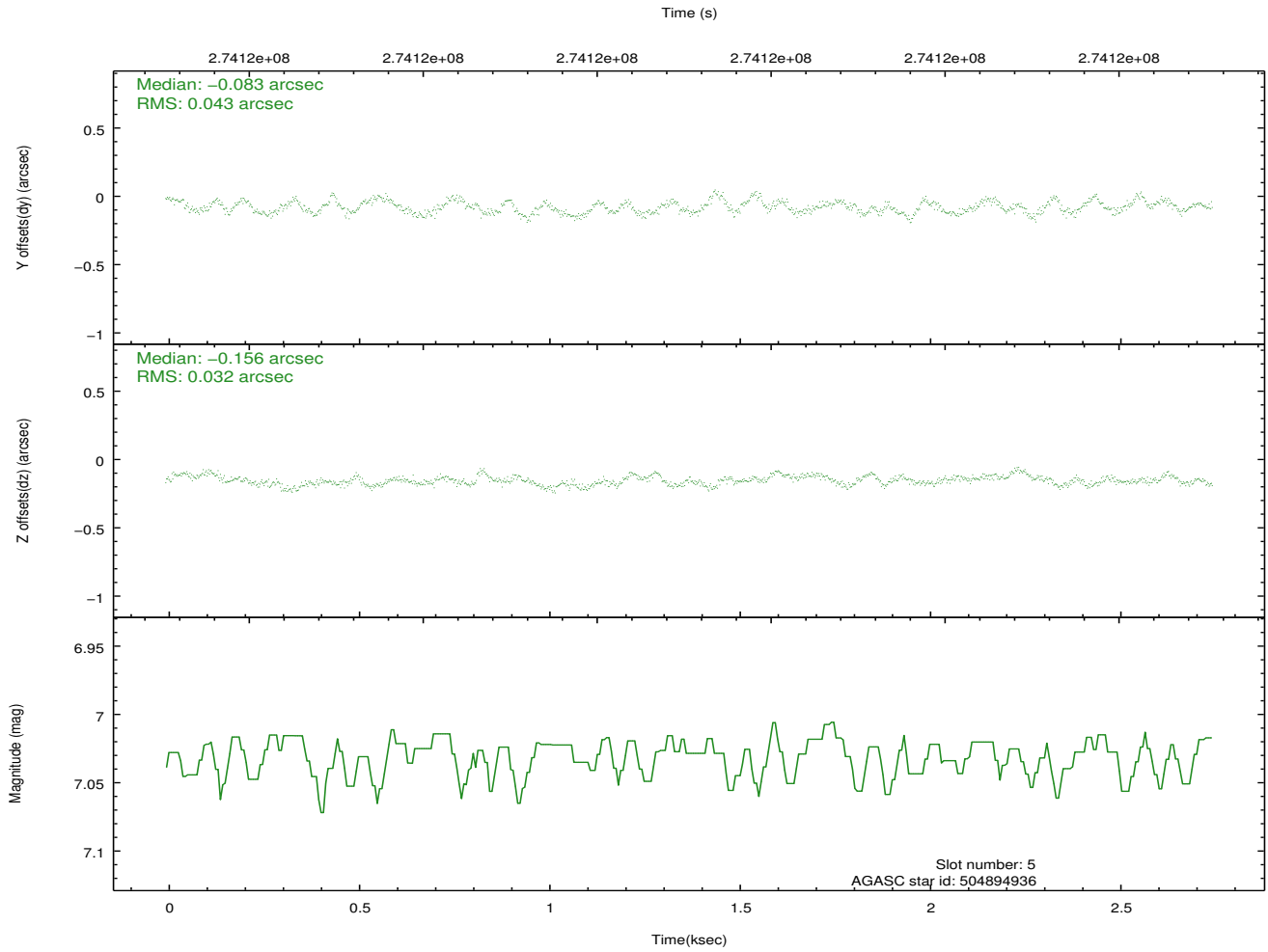
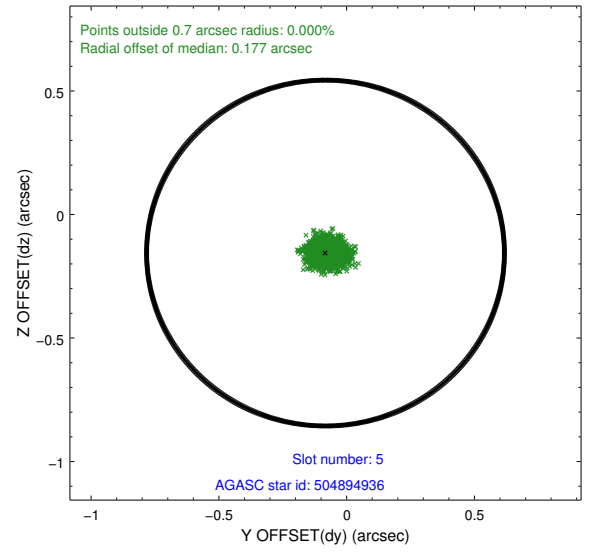
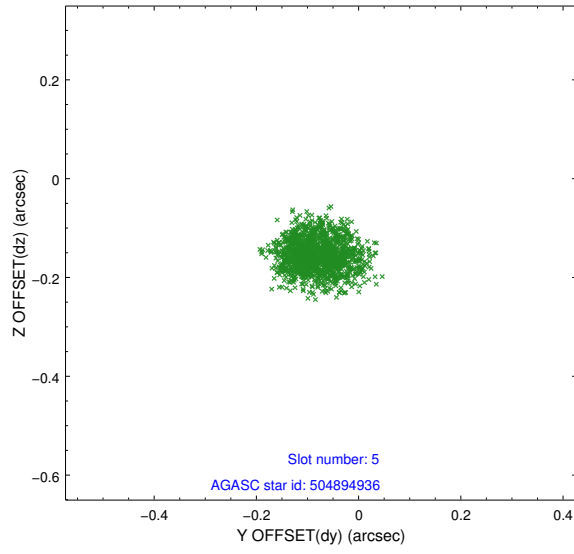
2.4.1 Slot 3



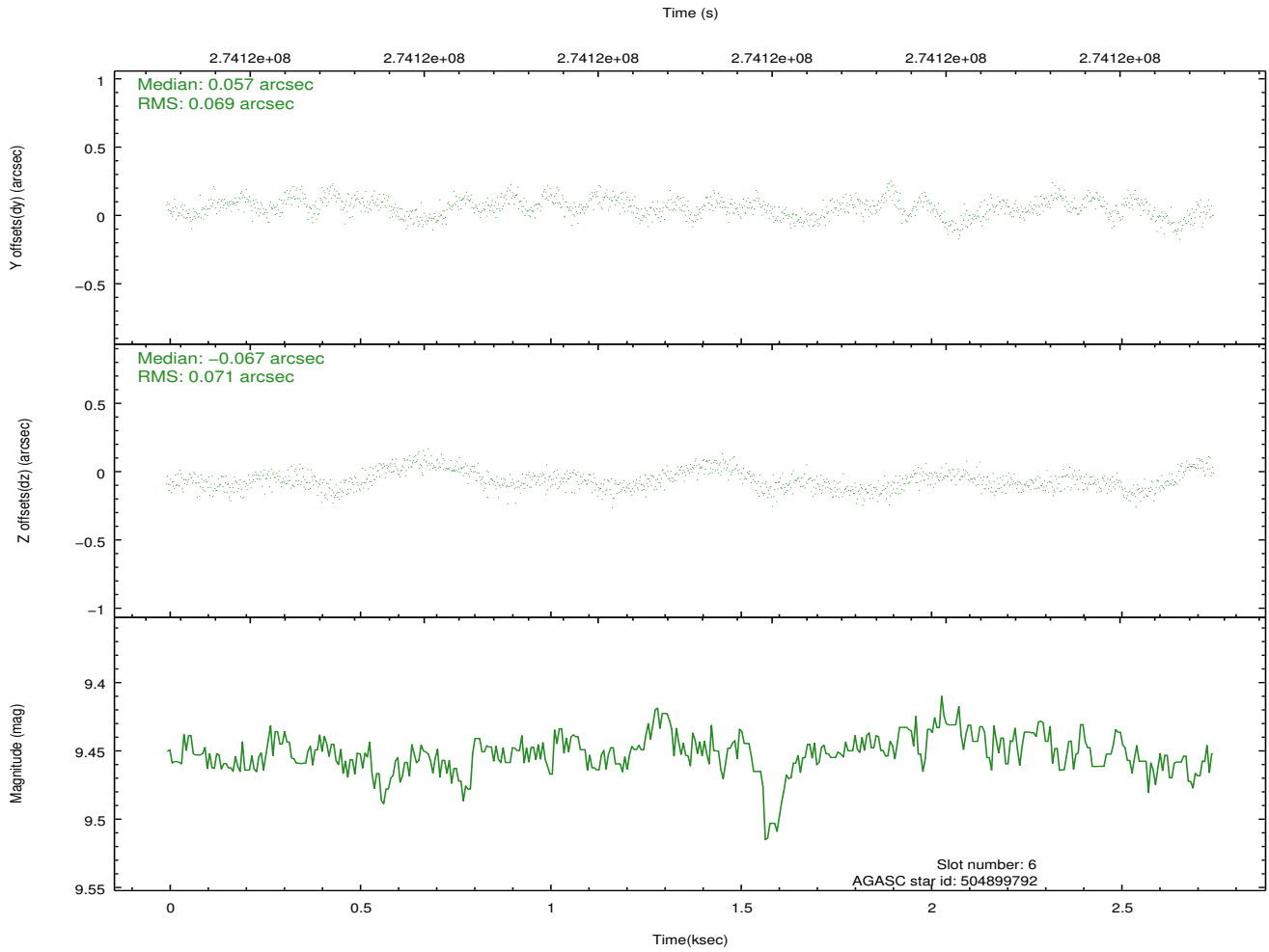
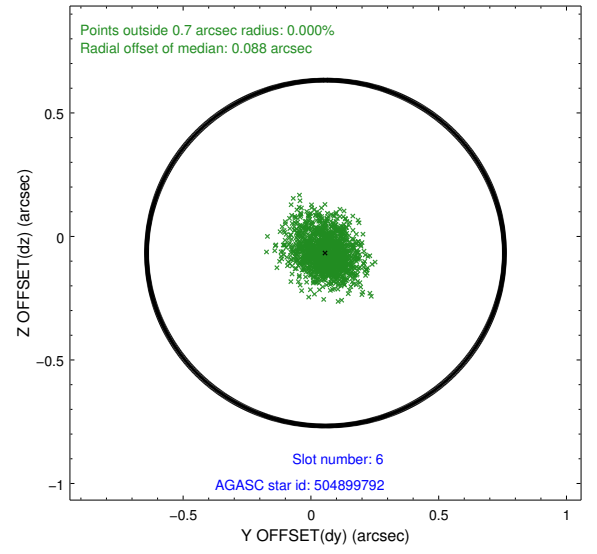
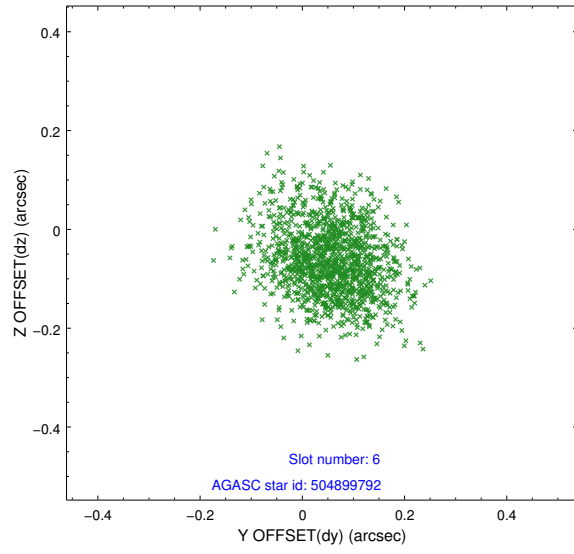
2.4.2 Slot 4



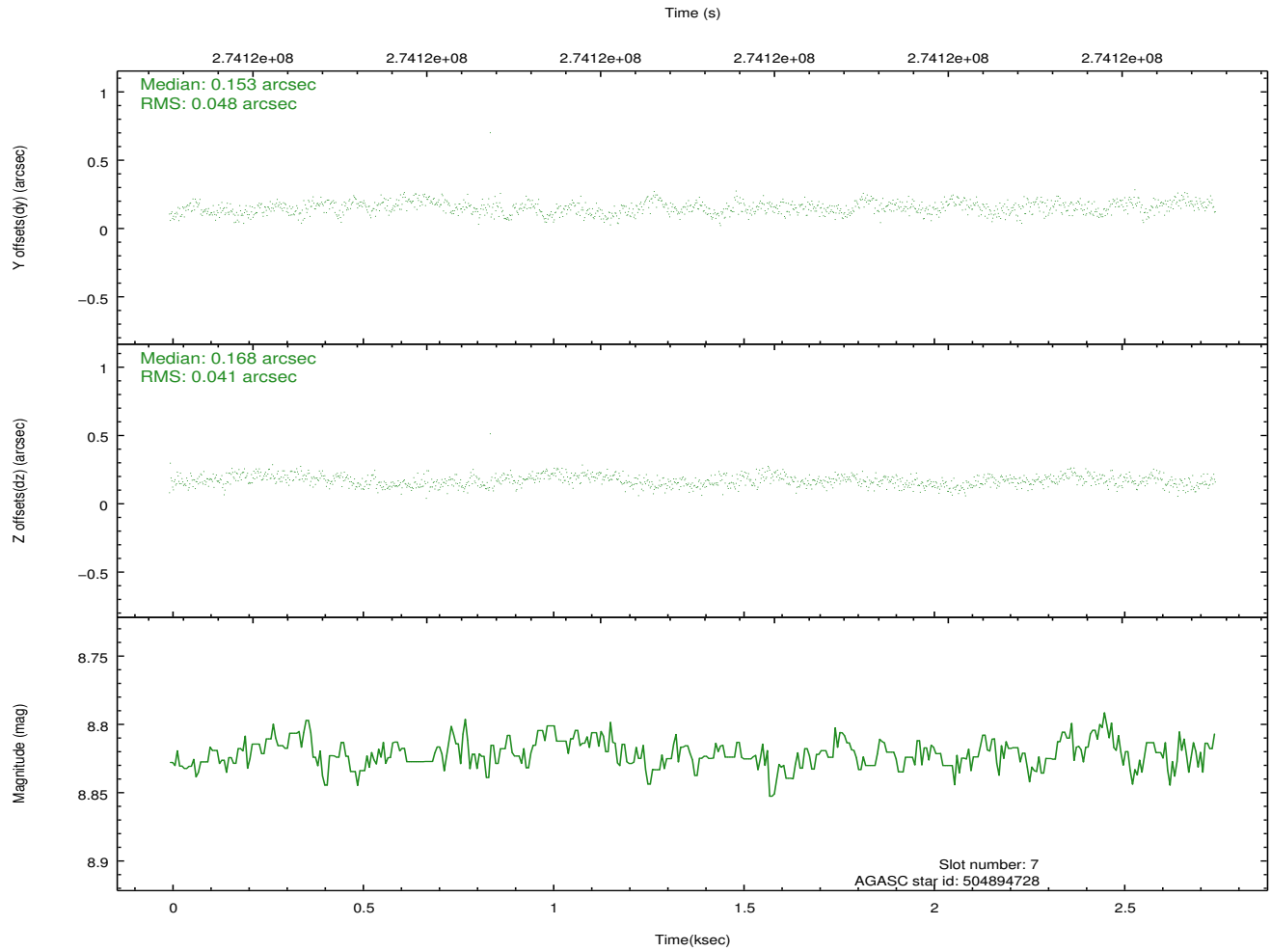
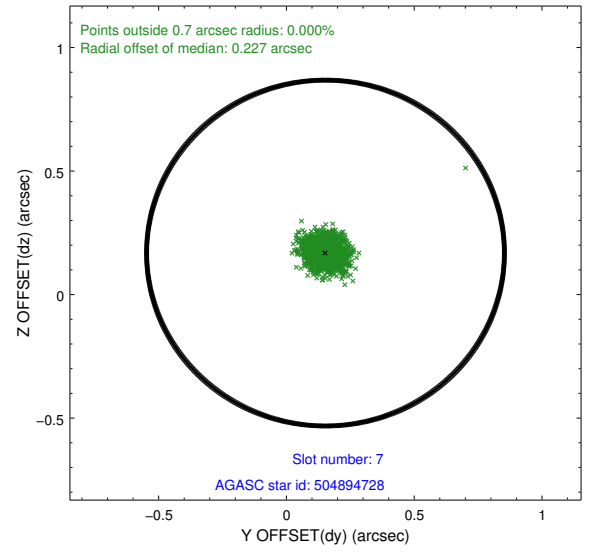
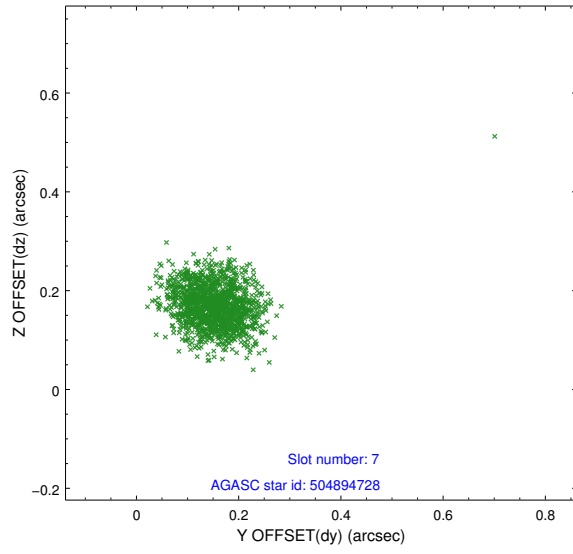
2.4.3 Slot 5



2.4.4 Slot 6

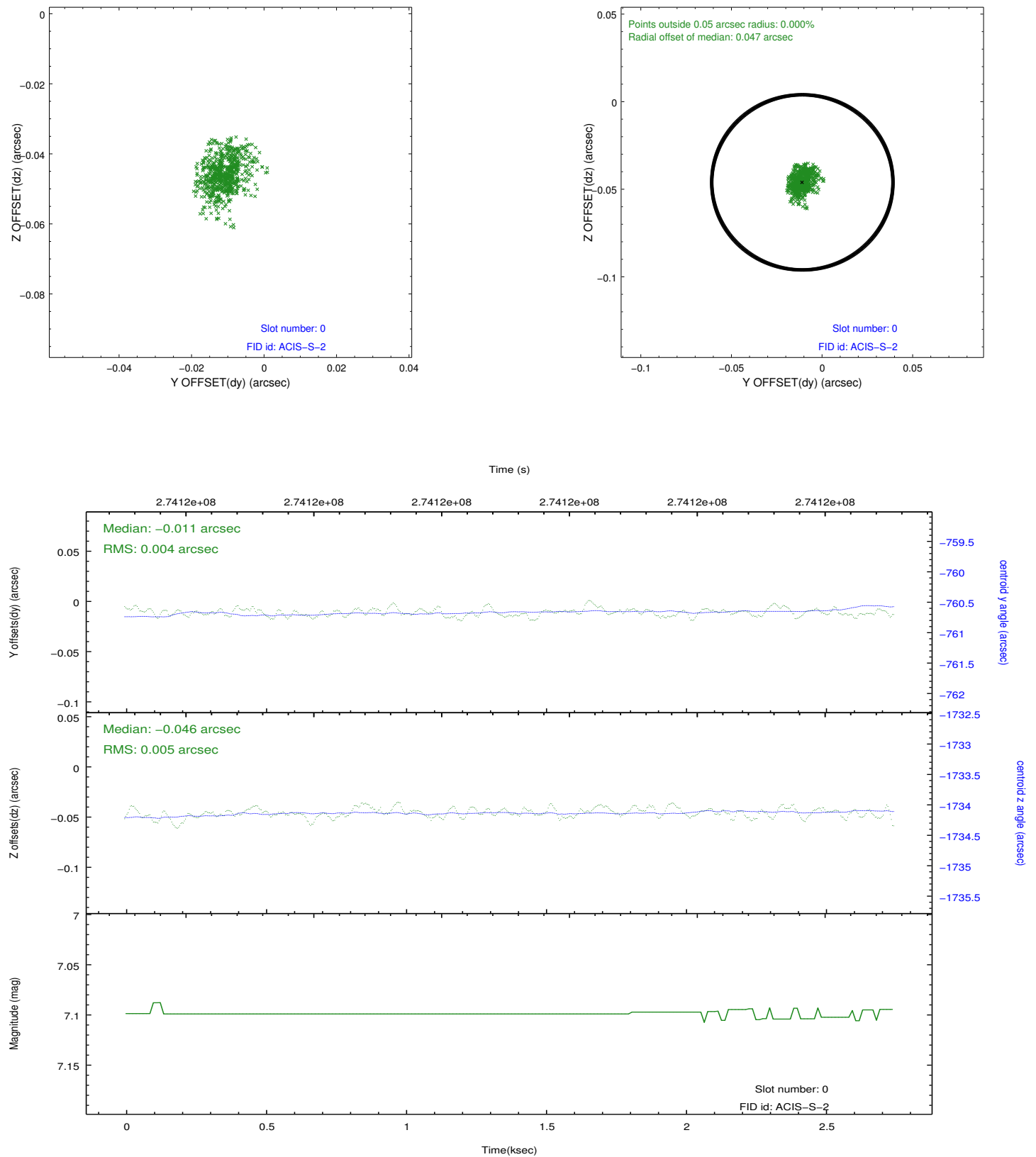


2.4.5 Slot 7

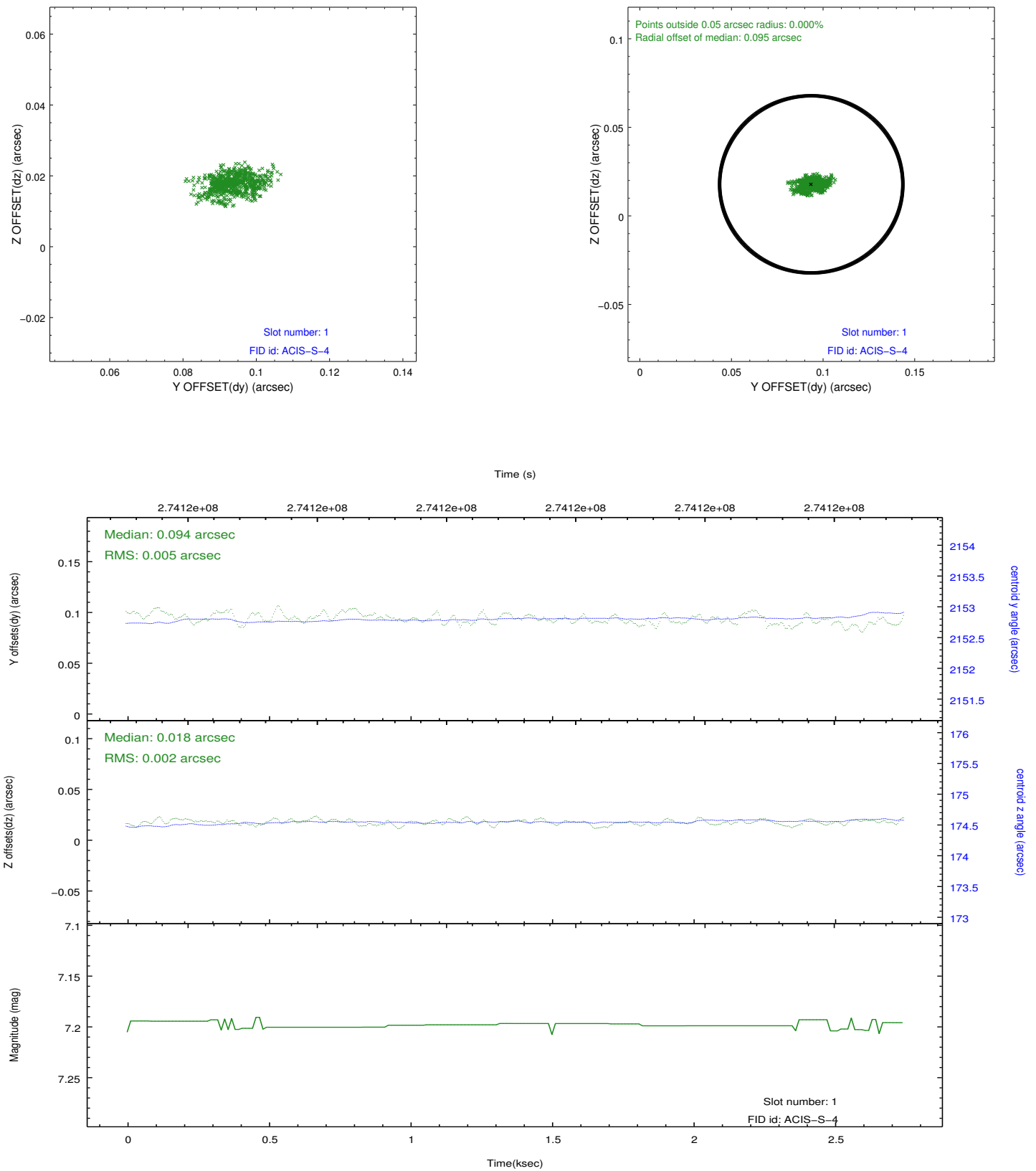


2.5 FID Slots

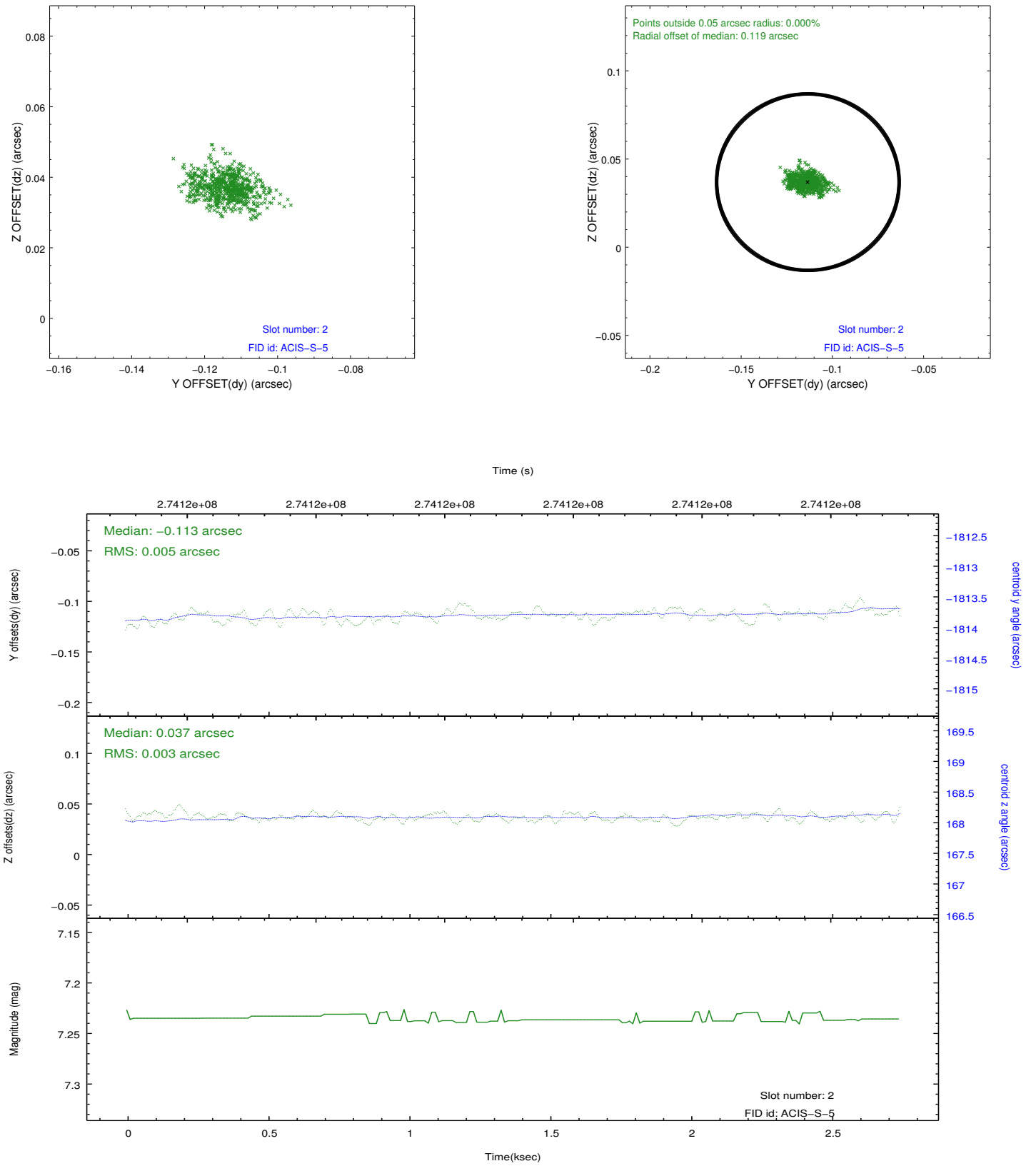
2.5.1 Slot 0



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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.04799999

A.2 Comments