

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6704 - L2 Version 2
Chandra X-Ray Center

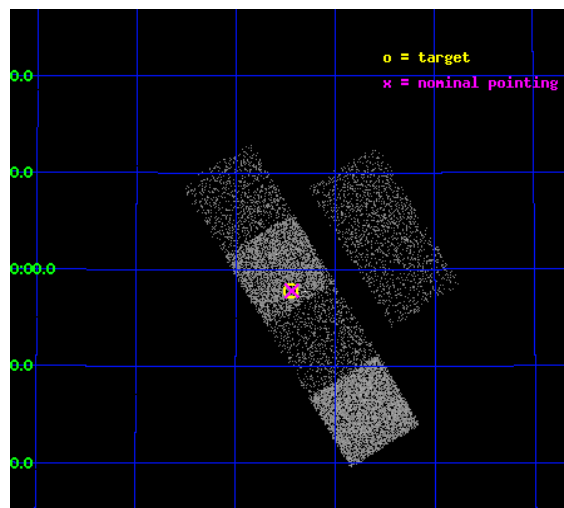
L2 Processing Date : Apr 6 2012

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1 Front

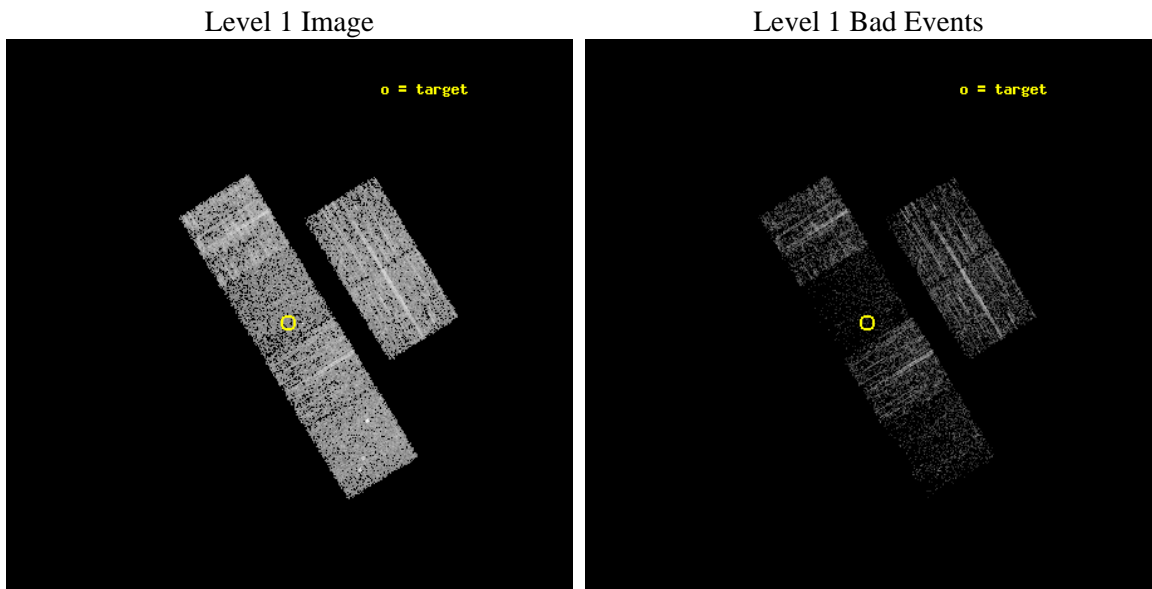
seq_num	500655	Sequence number
obs_id	6704	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J162526.9+455750	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.362083	Observer's specified target RA [deg]
dec_targ	45.964028	Observer's specified target Dec [deg]
ra_nom	246.35896047761	Nominal RA [deg]
dec_nom	45.963679862363	Nominal Dec [deg]
roll_nom	238.6762990854	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2150.3999920487	Sum of GTIs [s]
livetime	2123.170332534	Livetime [s]
ontime2	2150.3999920487	Sum of GTIs [s]
ontime3	2150.3999920487	Sum of GTIs [s]
ontime5	2150.3999920487	Sum of GTIs [s]
ontime6	2150.3999920487	Sum of GTIs [s]
ontime7	2150.3999920487	Sum of GTIs [s]
ontime8	2147.1590018868	Sum of GTIs [s]
l2events	14775	Number of level 2 events



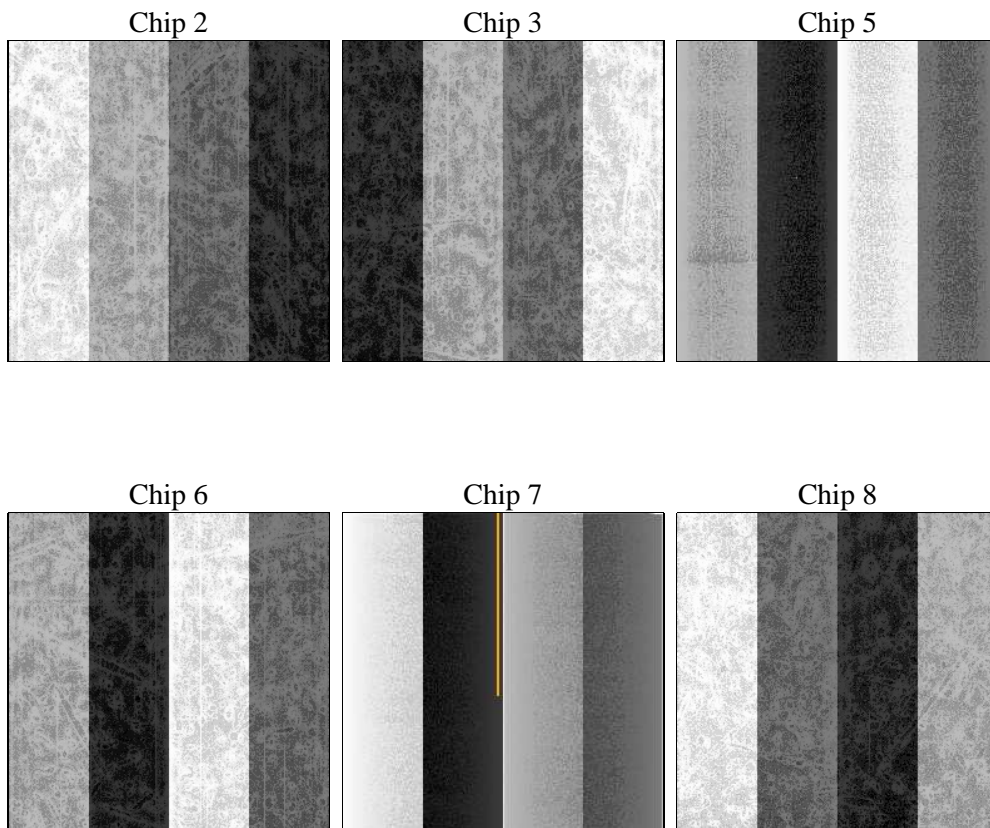
2 OBI

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	2150.3999920487	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2150.3999920487	Sum of GTIs [s]
date	2012-04-06T02:57:45	Date and time of file creation	ontime3	2150.3999920487	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2150.3999920487	Sum of GTIs [s]
			ontime6	2150.3999920487	Sum of GTIs [s]
			ontime7	2150.3999920487	Sum of GTIs [s]
			ontime8	2147.1590018868	Sum of GTIs [s]
			l1events	82246	Number of level 1 events

2.1.4 Events

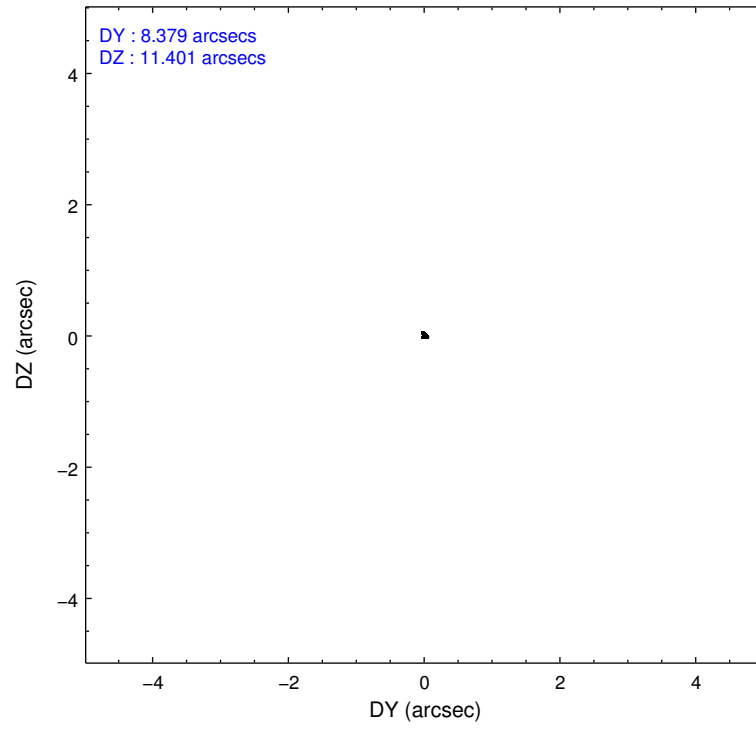
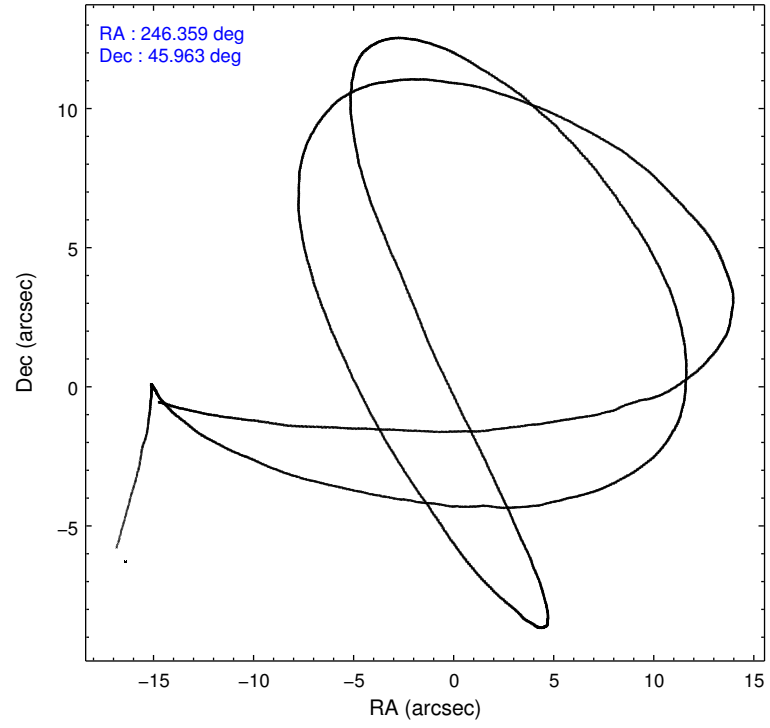
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	16248	14045	12931	13295	8223	17504
rejected events	15121	12910	5439	12114	3585	13216
rejected %	93%	91%	42%	91%	43%	75%

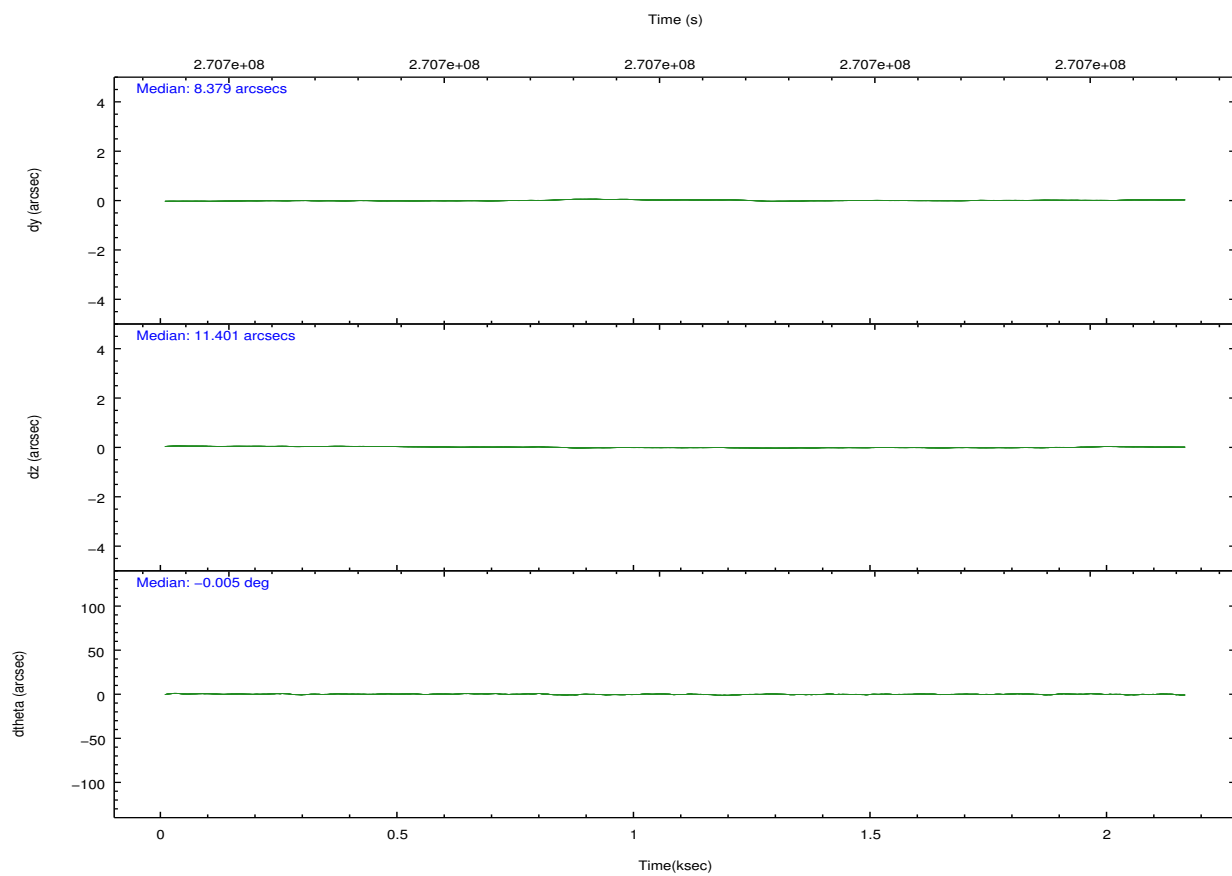
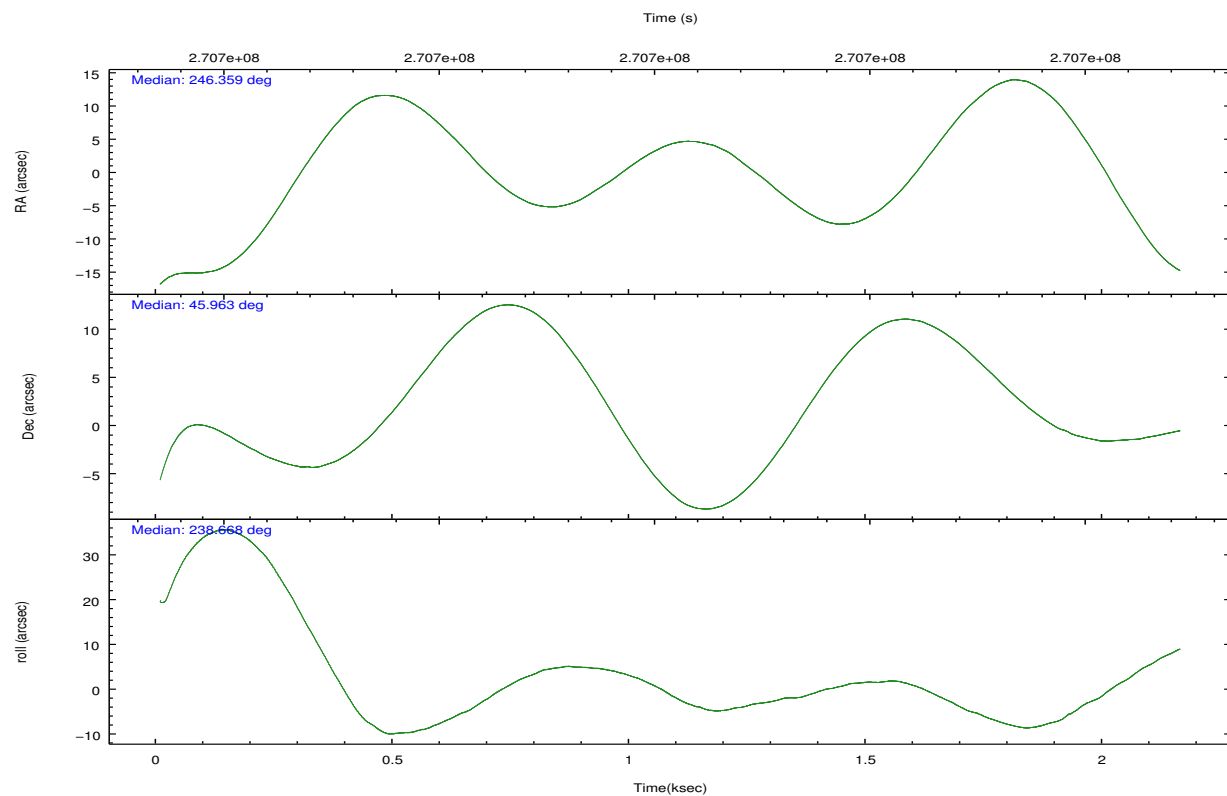
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	455	532	1318	503	607	1279
	2%	3%	10%	3%	7%	7%
grade 1 events	7	11	18	8	18	11
	0%	0%	0%	0%	0%	0%
grade 2 events	296	255	2518	268	1200	996
	1%	1%	19%	2%	14%	5%
grade 3 events	128	124	379	133	526	479
	0%	0%	2%	1%	6%	2%
grade 4 events	129	120	381	132	521	458
	0%	0%	2%	0%	6%	2%
grade 5 events	210	269	1015	257	908	461
	1%	1%	7%	1%	11%	2%
grade 6 events	178	173	3343	199	2039	1255
	1%	1%	25%	1%	24%	7%
grade 7 events	14845	12561	3959	11795	2404	12565
	91%	89%	30%	88%	29%	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	246.359479	246.3589604776054	Subarray requested	NONE	NONE
[deg] Pointing Dec	45.991065	45.96367986236329	Alternating exposures requested	N	N
[deg] Pointing Roll	238.519369	238.676299085401	[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)	270700614.184000	270699493.75337			
Observation start date	2006-07-31T02:35:49	2006-07-31T02:18:13			
[s] Observation end time (MET)	270702614.184000	270703460.50356			
Observation end date	2006-07-31T03:09:09	2006-07-31T03:24:20			
Read mode	TIMED	TIMED			

2.3 Aspect



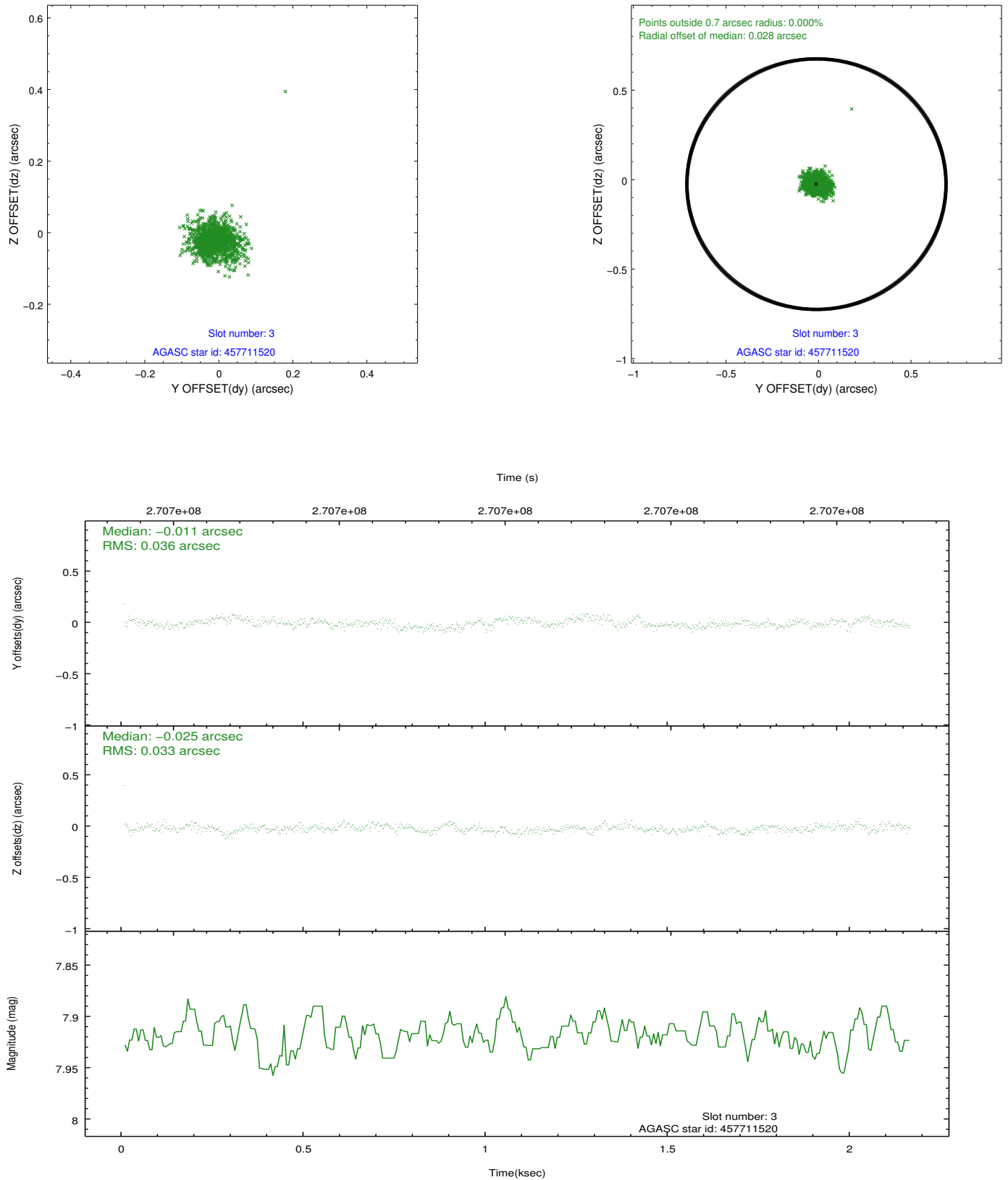


Slot Statistics

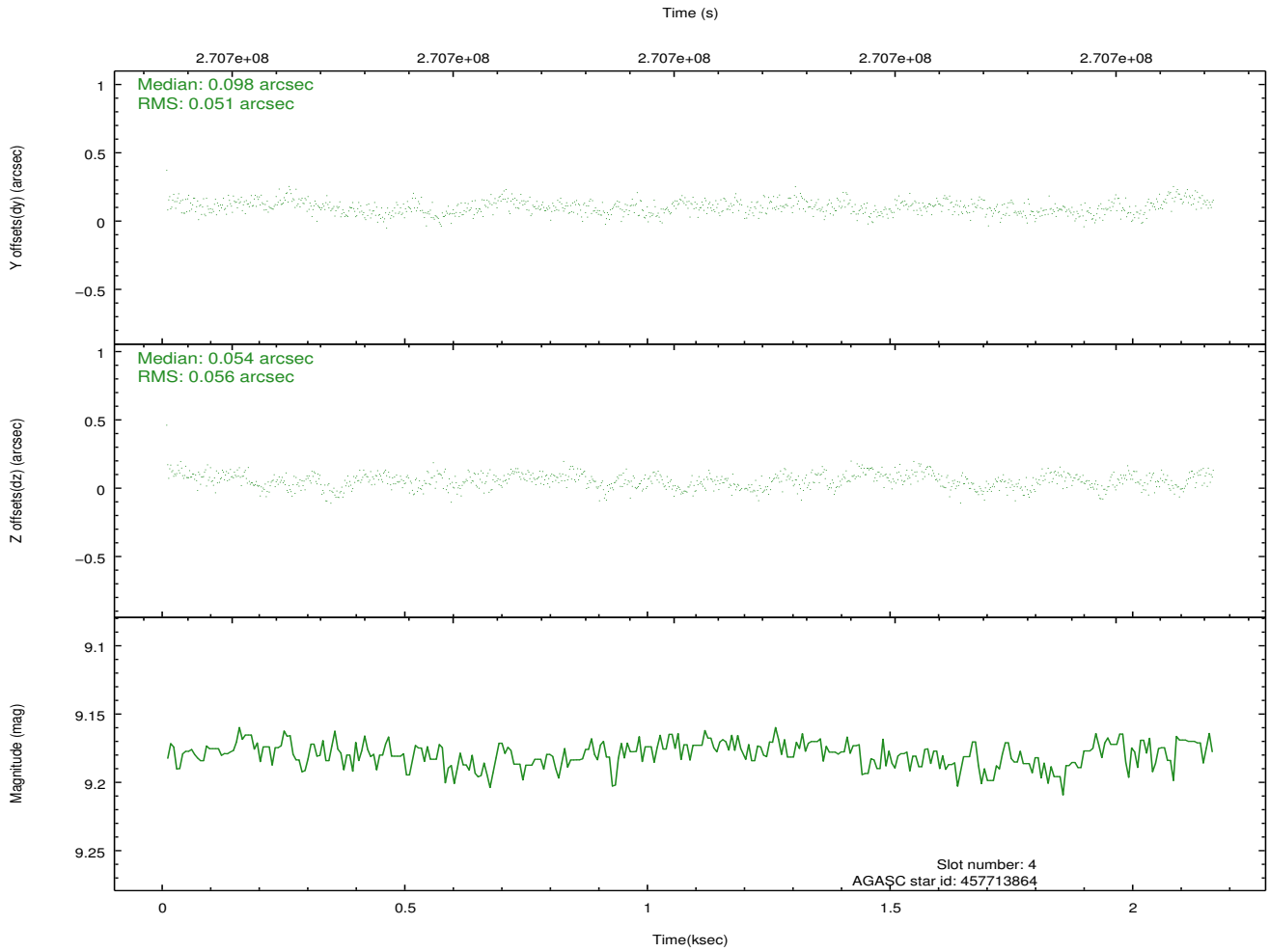
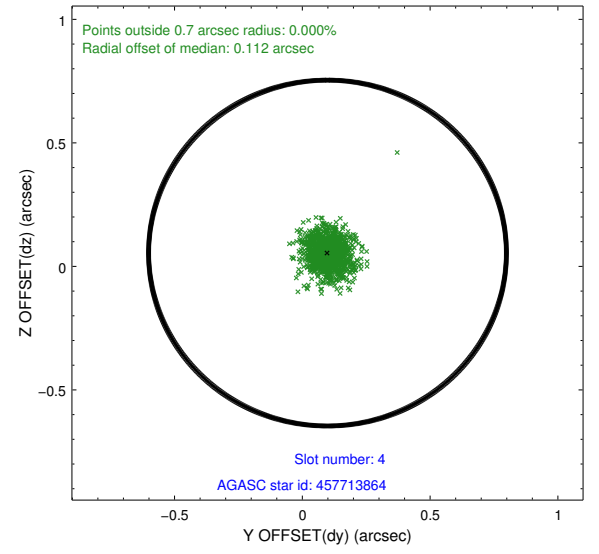
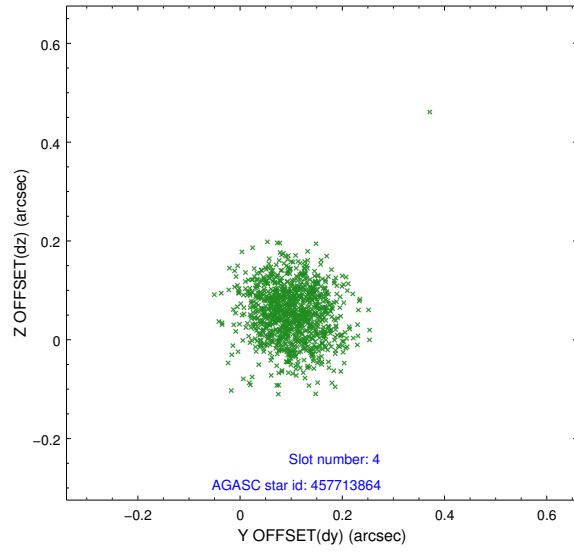
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	526	-0.024	-0.012	0.006	0.011	0.000000	0.000000	-761.18	-1732.66
1	FID	ACIS-S-4	7.21	526	0.115	0.015	0.005	0.011	0.000000	0.000000	2150.84	172.74
2	FID	ACIS-S-5	7.23	526	-0.122	0.006	0.006	0.011	0.000000	0.000000	-1810.25	169.81
3	GUIDE	457711520	7.92	1053	-0.011	-0.025	0.050	0.083	246.066920	45.944455	523.54	-537.89
4	GUIDE	457713864	9.18	1050	0.098	0.054	0.080	0.129	246.319088	46.109250	-309.97	-308.54
5	GUIDE	457715568	7.69	1053	-0.123	-0.038	0.067	0.100	246.329876	45.378596	1918.63	1087.20
6	GUIDE	457715696	10.22	1046	-0.080	-0.003	0.161	0.270	247.484208	46.193677	-2101.53	1999.99
7	GUIDE	457716976	8.76	1051	0.119	0.004	0.089	0.142	246.805338	45.392723	1243.19	2086.68

2.4 Star Slots

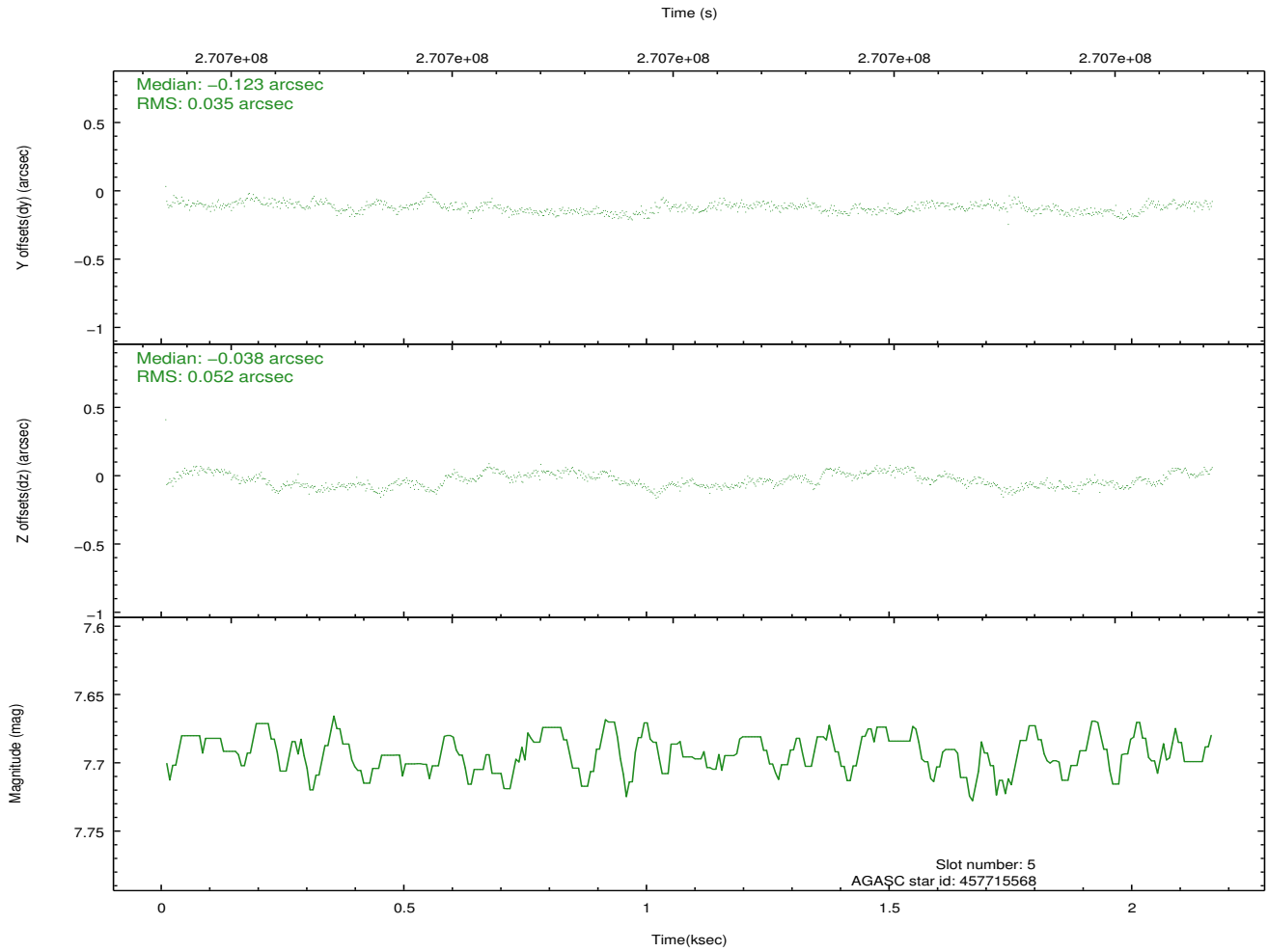
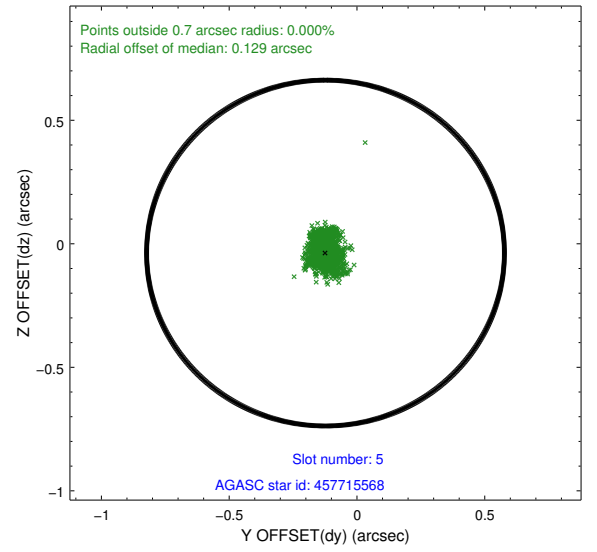
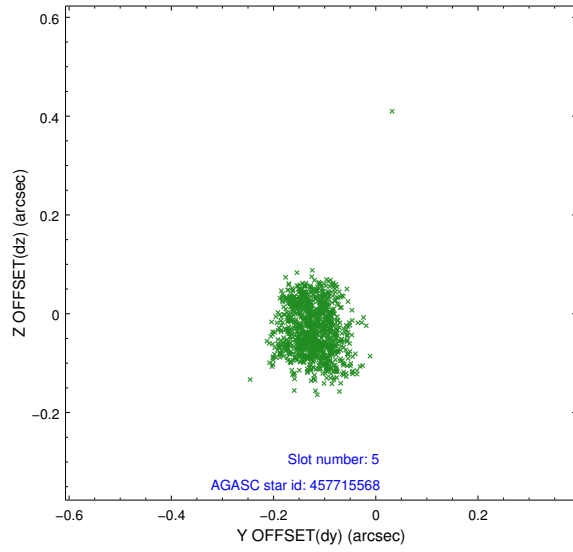
2.4.1 Slot 3



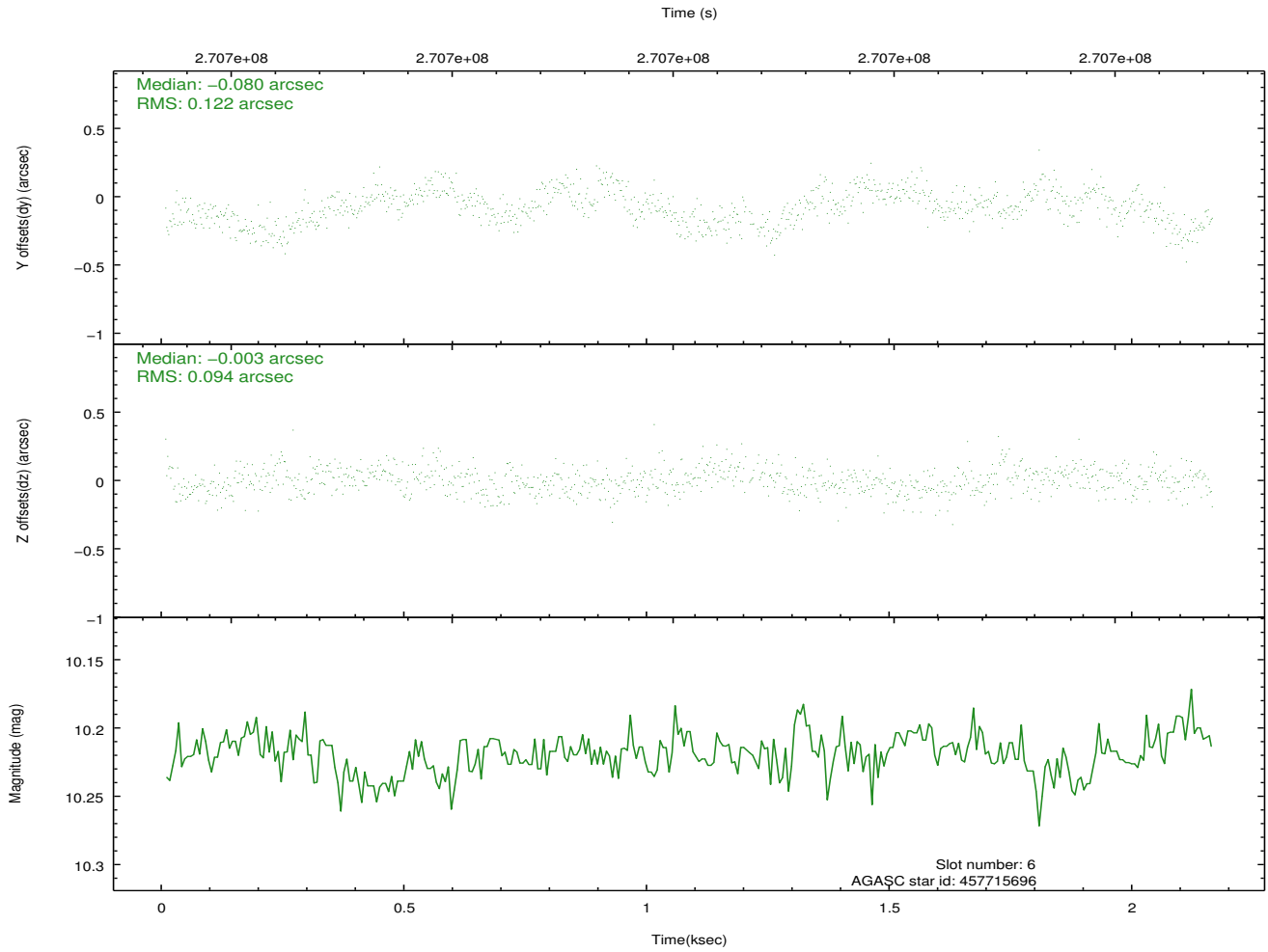
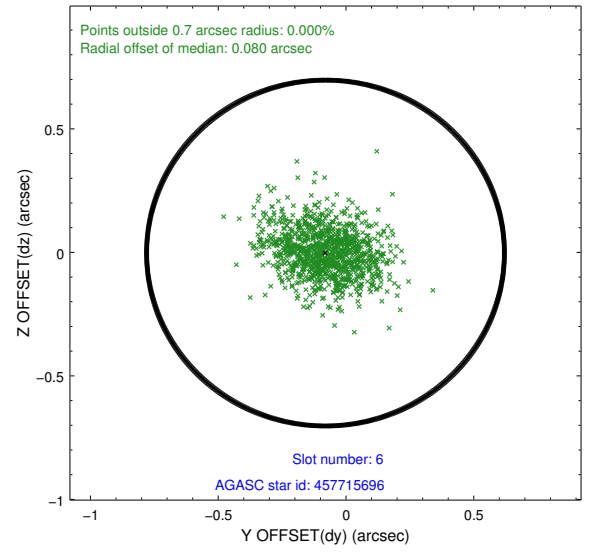
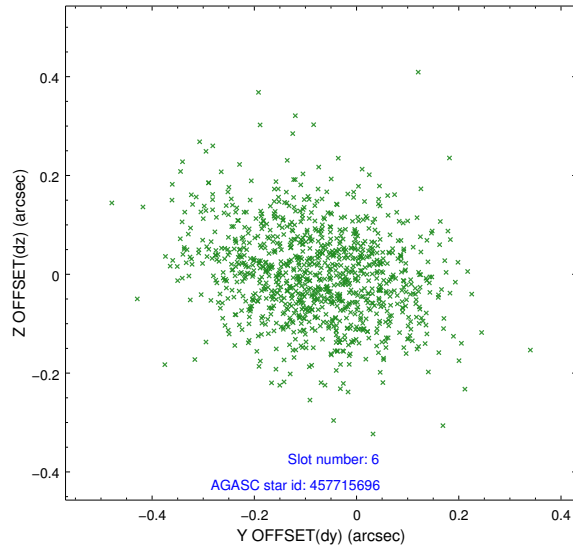
2.4.2 Slot 4



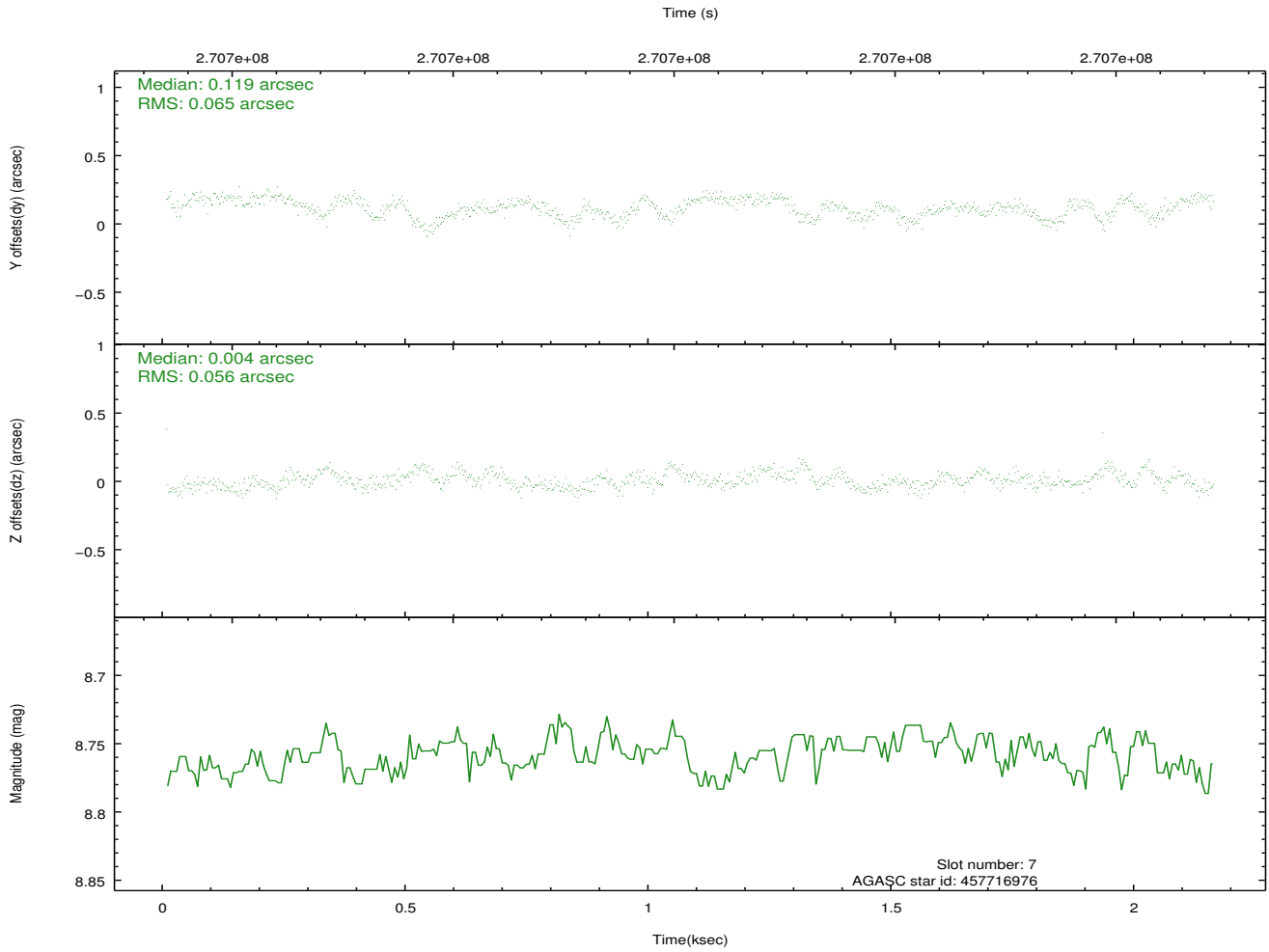
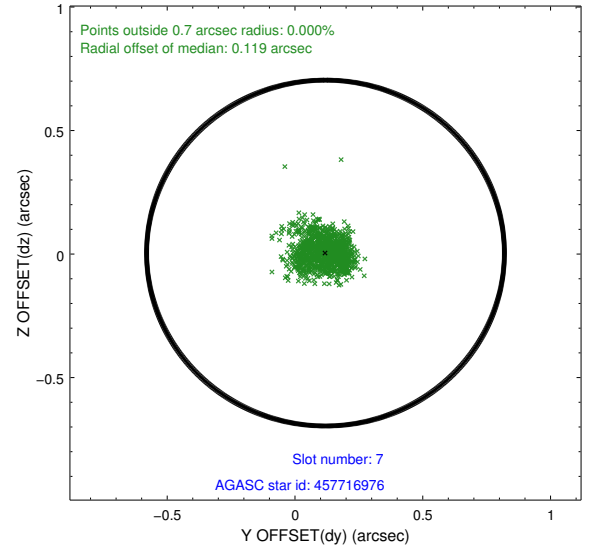
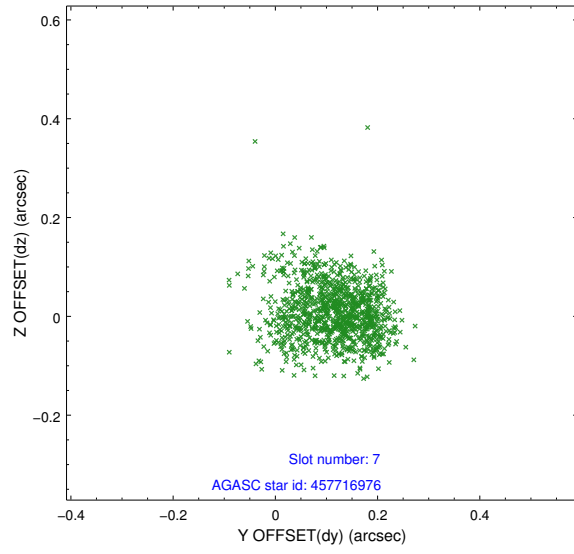
2.4.3 Slot 5



2.4.4 Slot 6

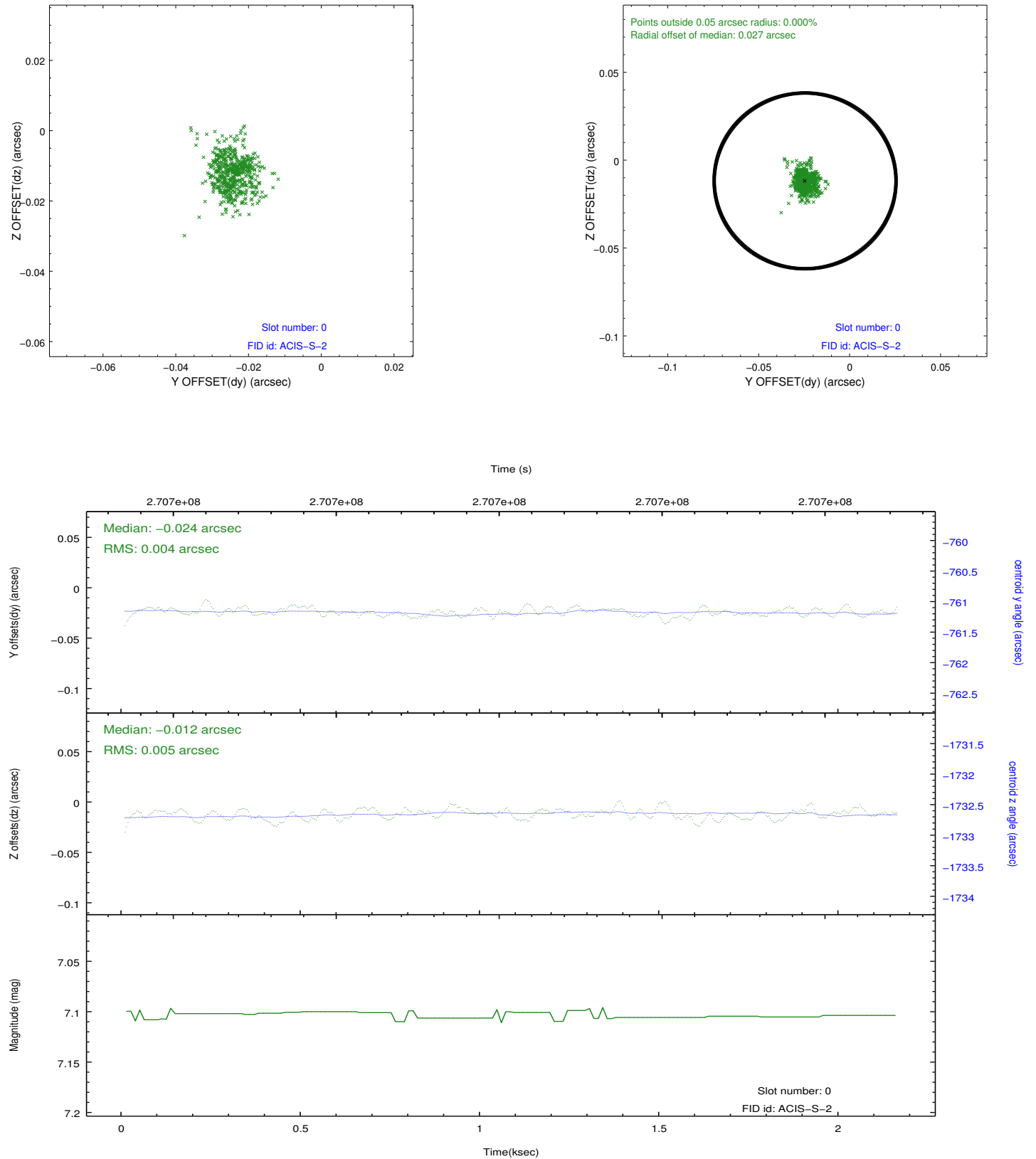


2.4.5 Slot 7

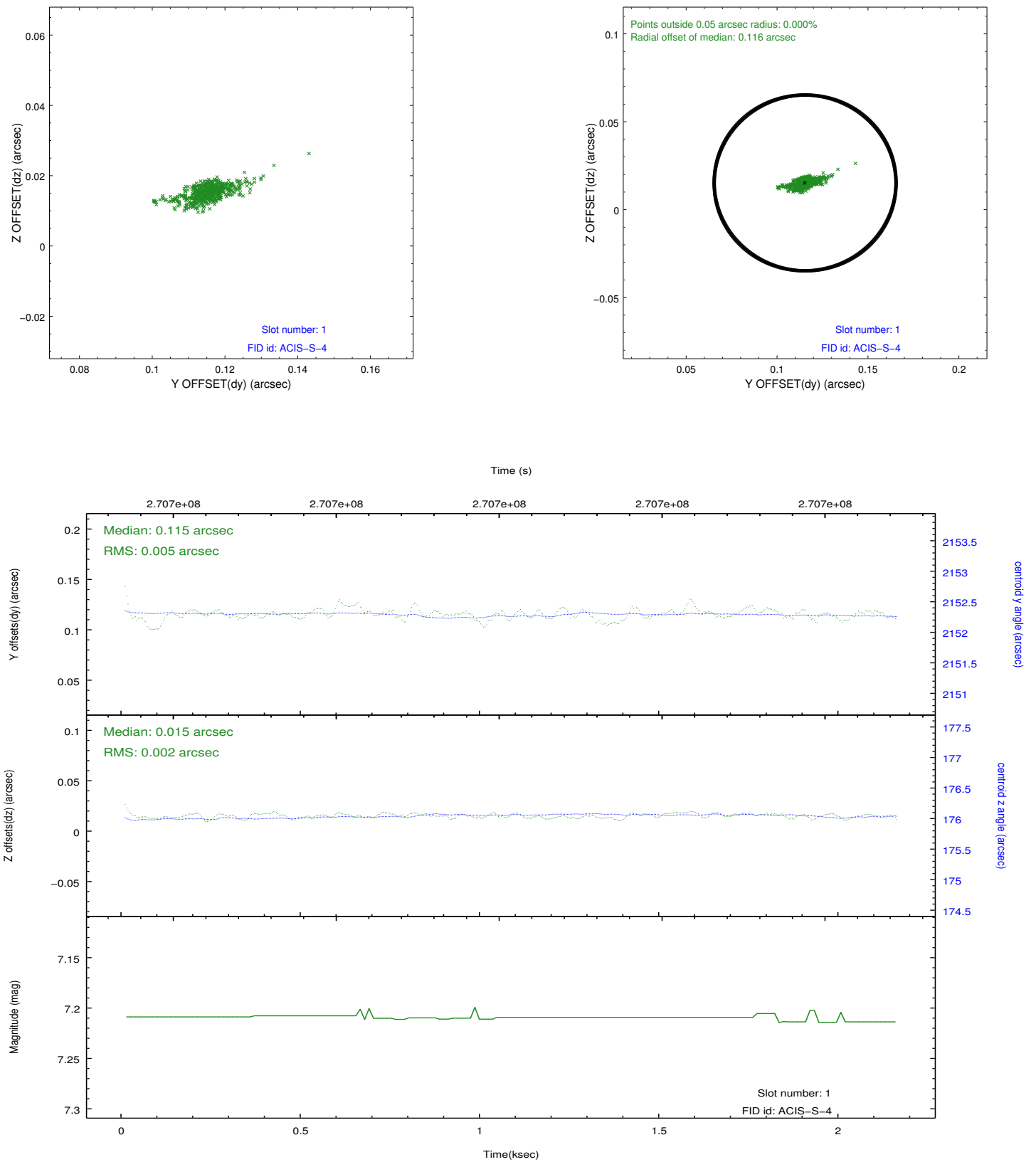


2.5 FID Slots

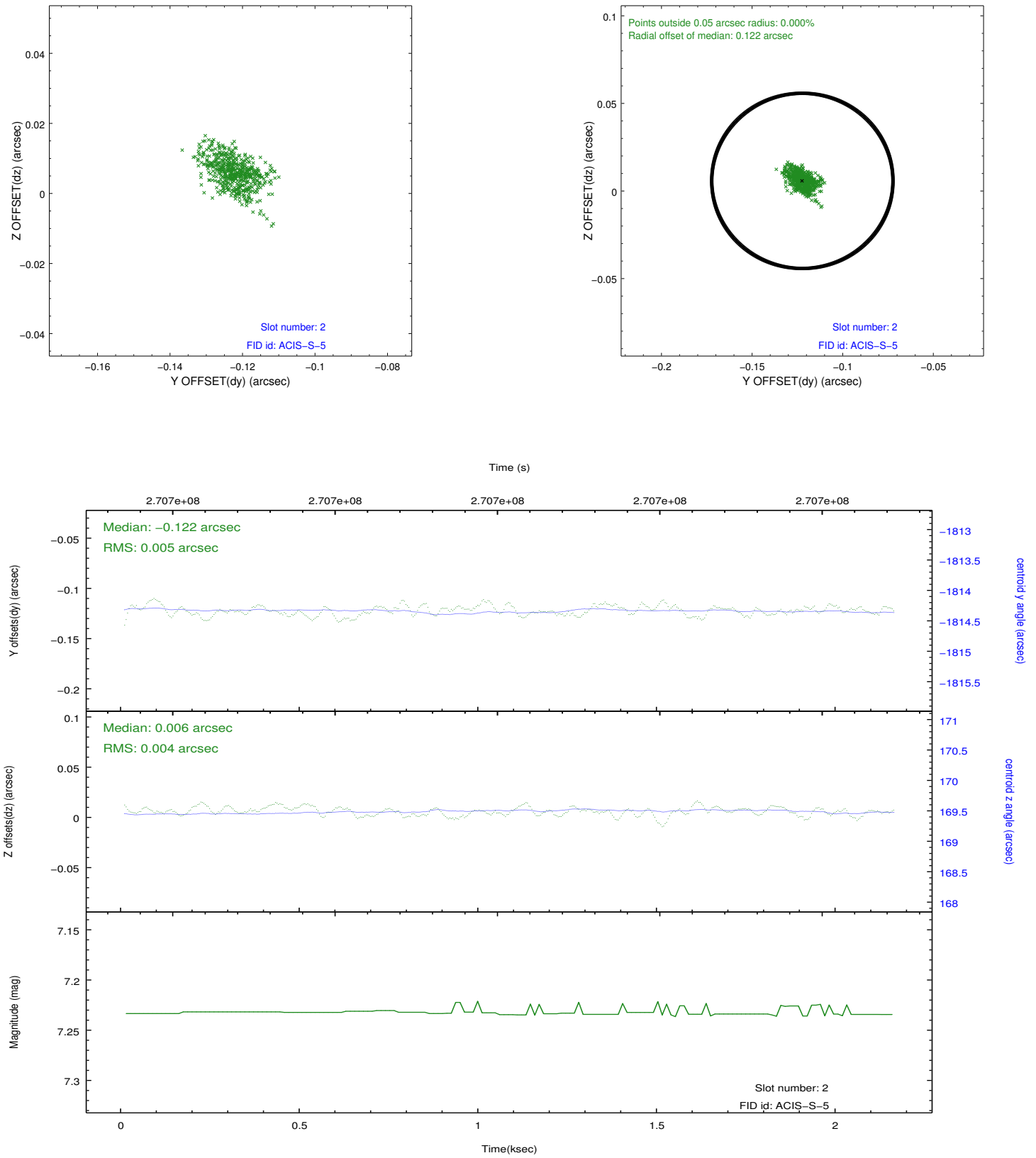
2.5.1 Slot 0



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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.15039999

A.2 Comments