

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6699 - L2 Version 2
Chandra X-Ray Center

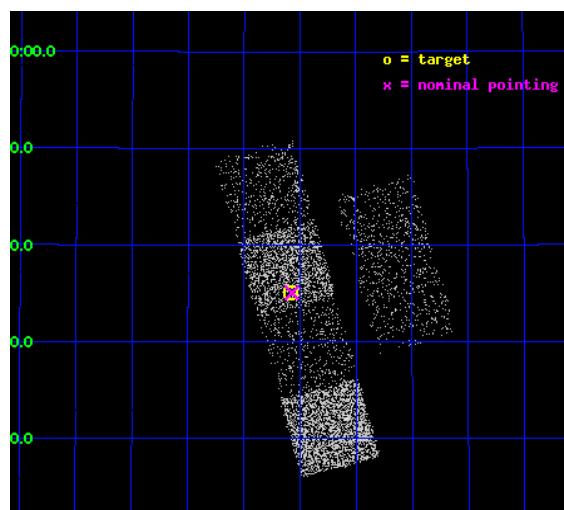
L2 Processing Date : Apr 7 2012

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1 Front

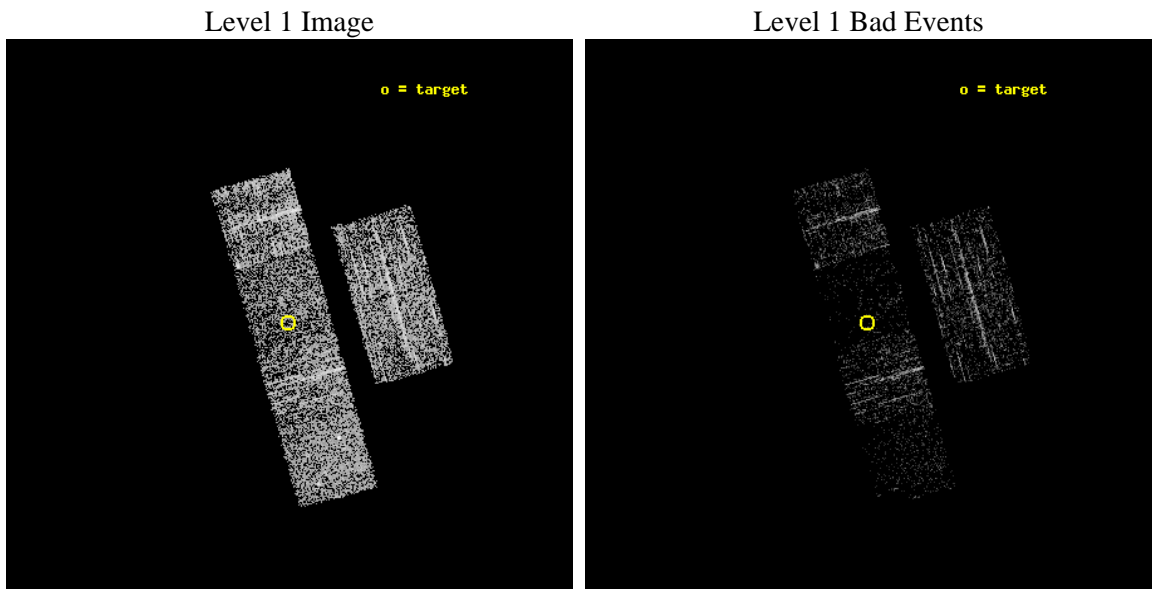
seq_num	500650	Sequence number
obs_id	6699	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J155705.0+383509	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.270833	Observer's specified target RA [deg]
dec_targ	38.585833	Observer's specified target Dec [deg]
ra_nom	239.26804457783	Nominal RA [deg]
dec_nom	38.58469364111	Nominal Dec [deg]
roll_nom	254.27374093944	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1043.1999961734	Sum of GTIs [s]
livetime	1029.9903696822	Livetime [s]
ontime2	1043.1999961734	Sum of GTIs [s]
ontime3	1043.1999961734	Sum of GTIs [s]
ontime5	1043.1999961734	Sum of GTIs [s]
ontime6	1043.1999961734	Sum of GTIs [s]
ontime7	1043.1999961734	Sum of GTIs [s]
ontime8	1043.1999961734	Sum of GTIs [s]
l2events	7062	Number of level 2 events



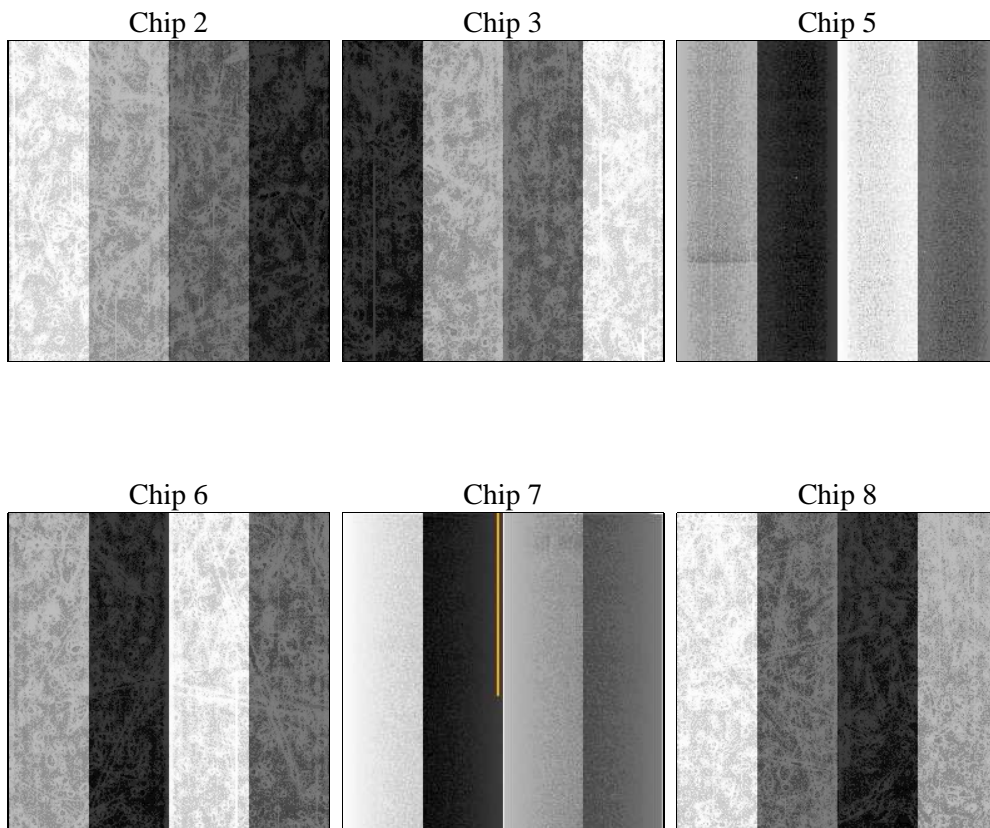
2 OBI

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	8.4.3.1	Processing system revision	ontime	1043.1999961734	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1043.1999961734	Sum of GTIs [s]
date	2012-04-07T08:38:35	Date and time of file creation	ontime3	1043.1999961734	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1043.1999961734	Sum of GTIs [s]
			ontime6	1043.1999961734	Sum of GTIs [s]
			ontime7	1043.1999961734	Sum of GTIs [s]
			ontime8	1043.1999961734	Sum of GTIs [s]
			l1events	36984	Number of level 1 events

2.1.4 Events

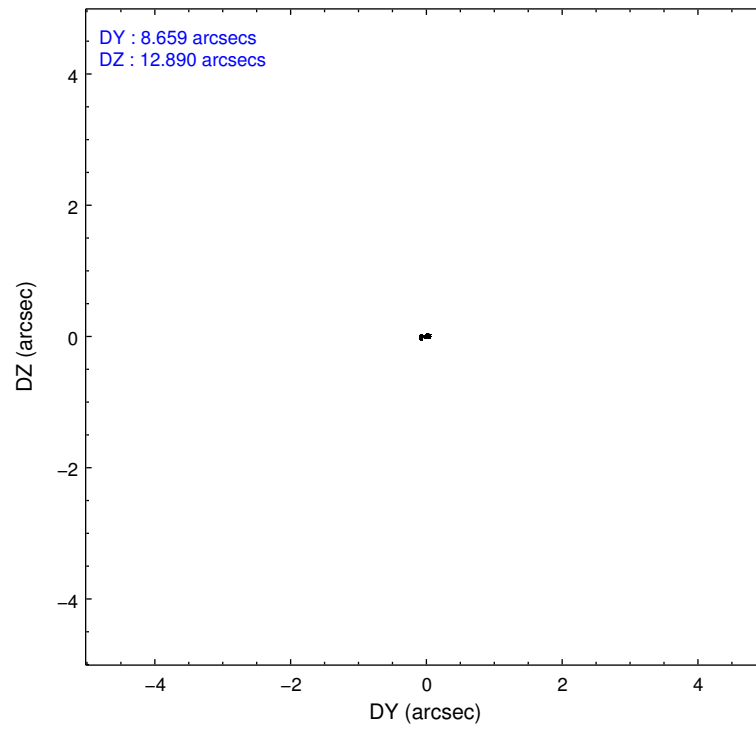
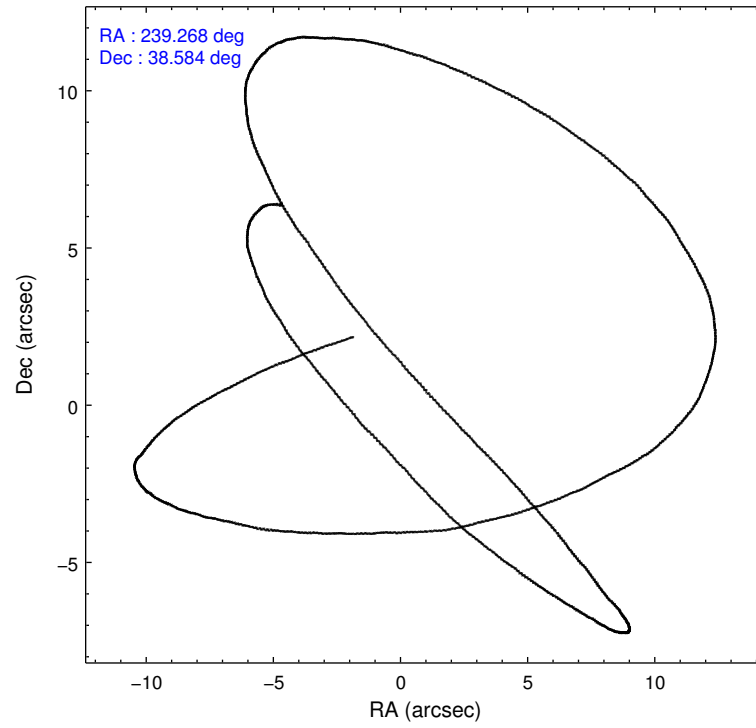
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6490	6888	5839	6249	3697	7821
rejected events	5991	6337	2309	5669	1559	5955
rejected %	92%	92%	39%	90%	42%	76%

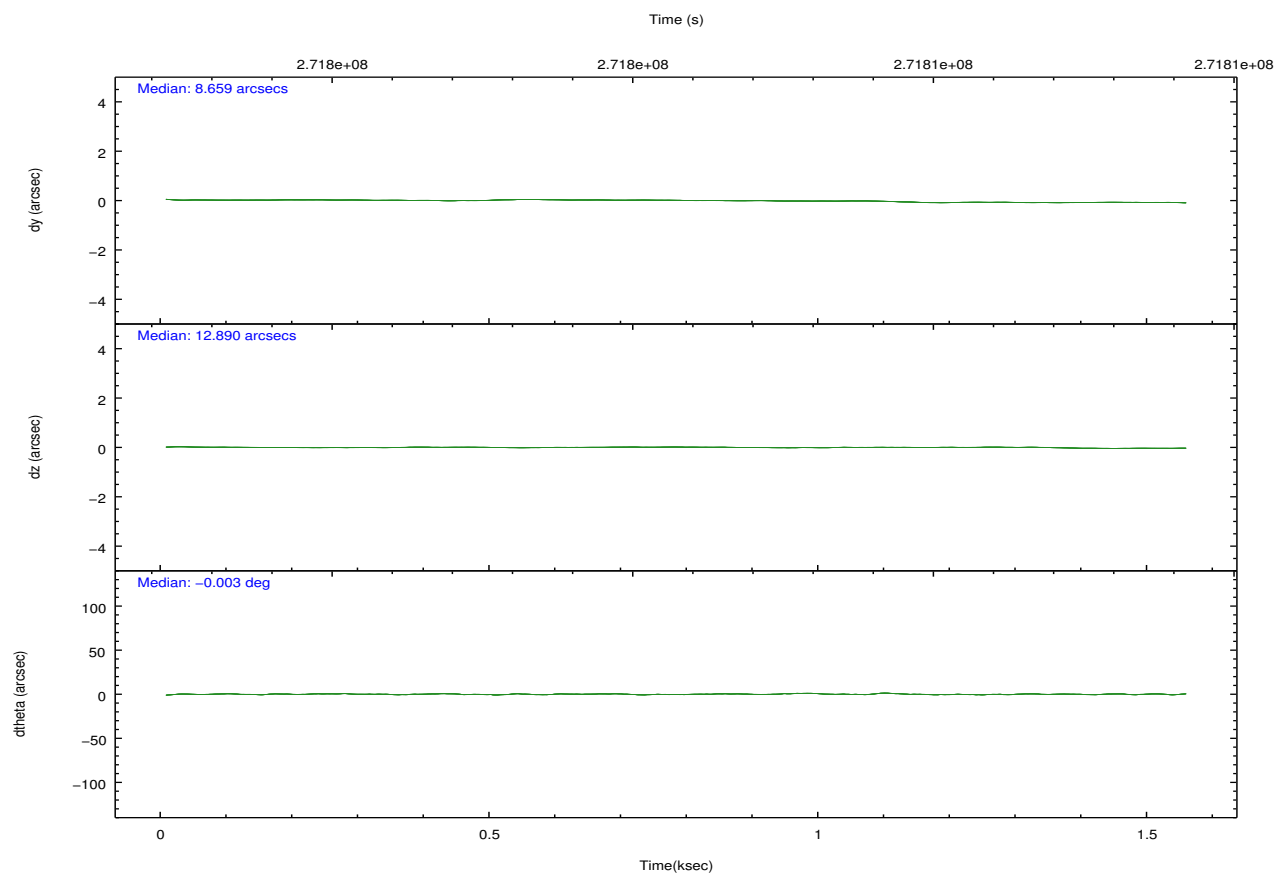
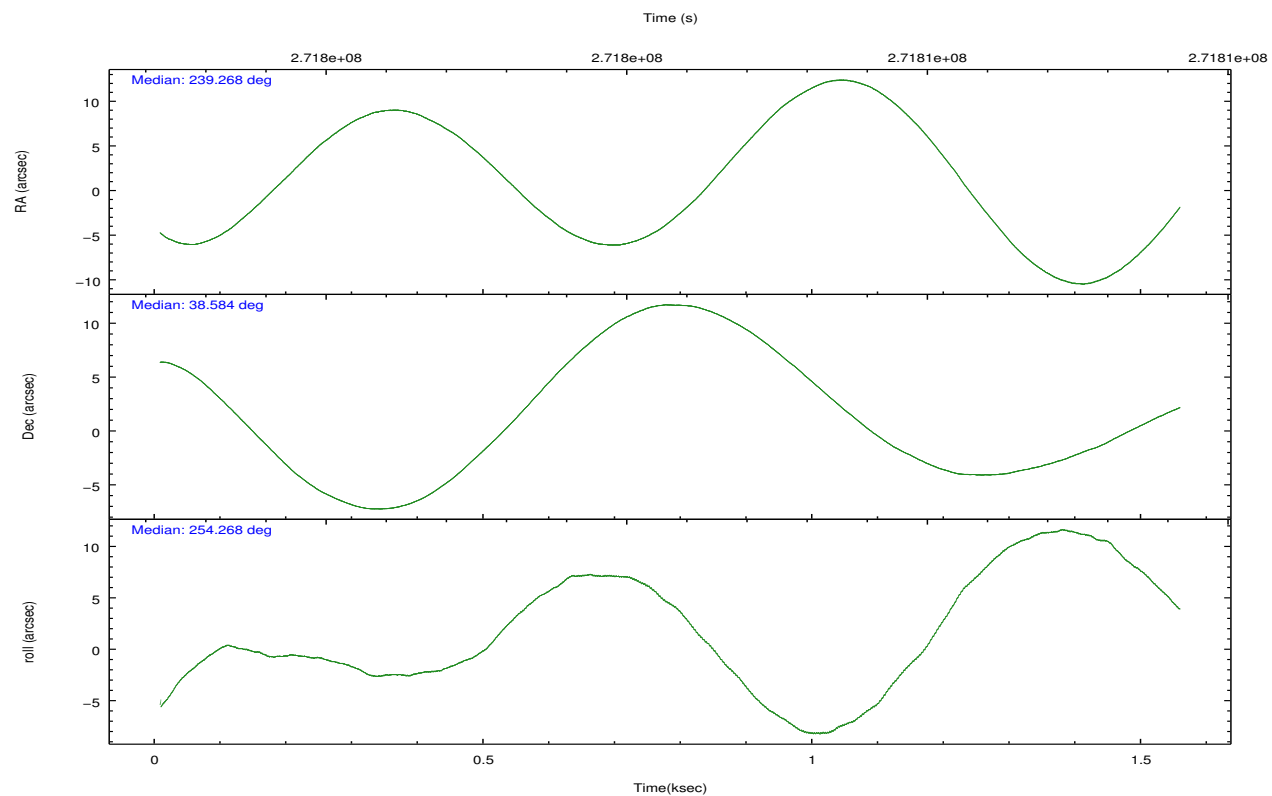
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	215	208	552	232	267	502
	3%	3%	9%	3%	7%	6%
grade 1 events	7	1	18	4	7	1
	0%	0%	0%	0%	0%	0%
grade 2 events	121	130	1112	126	529	447
	1%	1%	19%	2%	14%	5%
grade 3 events	50	63	173	67	235	173
	0%	0%	2%	1%	6%	2%
grade 4 events	53	75	183	83	204	161
	0%	1%	3%	1%	5%	2%
grade 5 events	94	121	471	131	425	213
	1%	1%	8%	2%	11%	2%
grade 6 events	65	78	1540	76	914	590
	1%	1%	26%	1%	24%	7%
grade 7 events	5885	6212	1790	5530	1116	5734
	90%	90%	30%	88%	30%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	239.259287	239.2680445778304	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.611391	38.58469364110983	Alternating exposures requested	N	N
[deg] Pointing Roll	254.122592	254.2737409394402	[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)	271804849.184000	271803512.08015			
Observation start date	2006-08-12T21:19:44	2006-08-12T20:58:32			
[s] Observation end time (MET)	271805849.184000	271806735.1928			
Observation end date	2006-08-12T21:36:24	2006-08-12T21:52:15			
Read mode	TIMED	TIMED			

2.3 Aspect



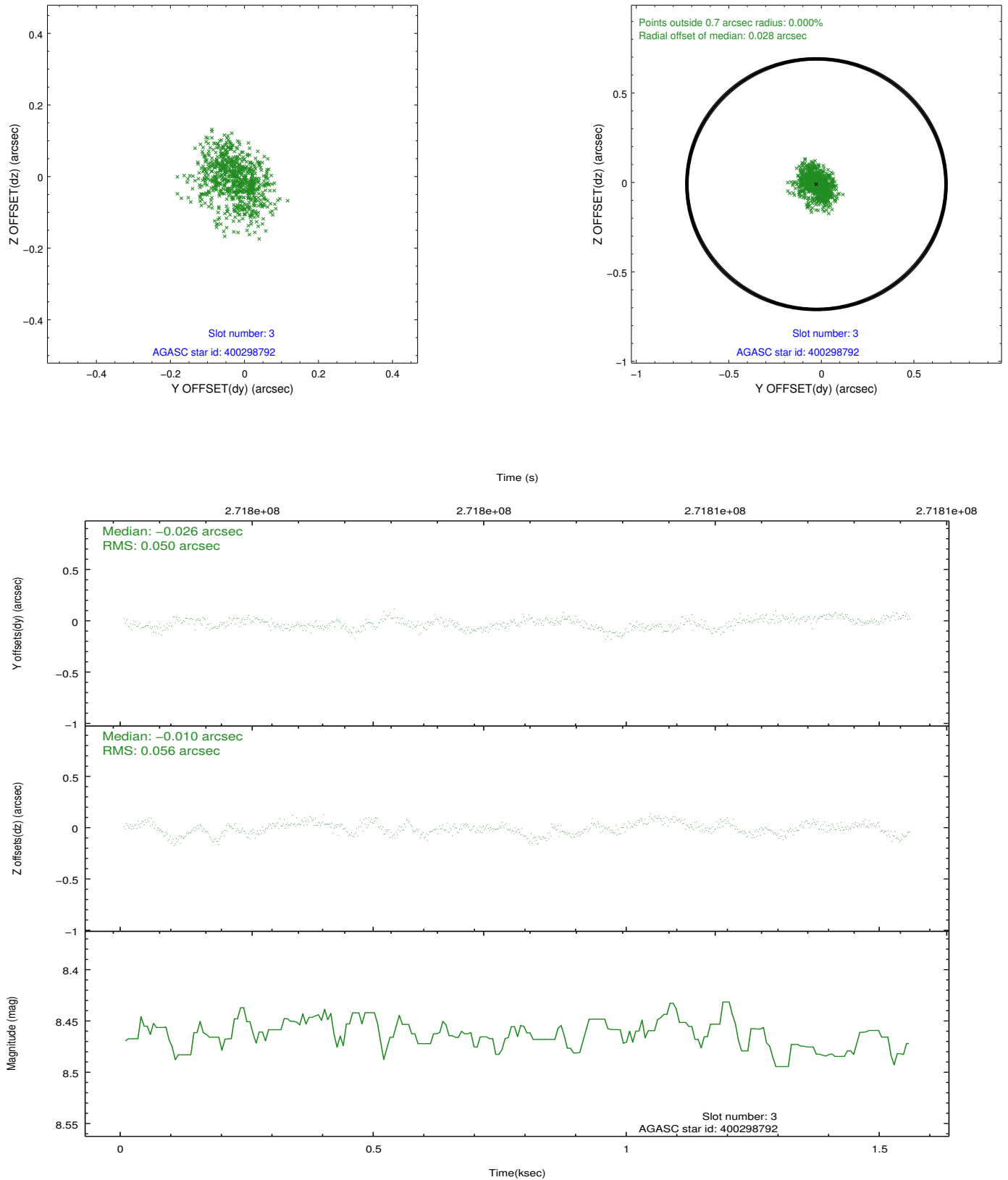


Slot Statistics

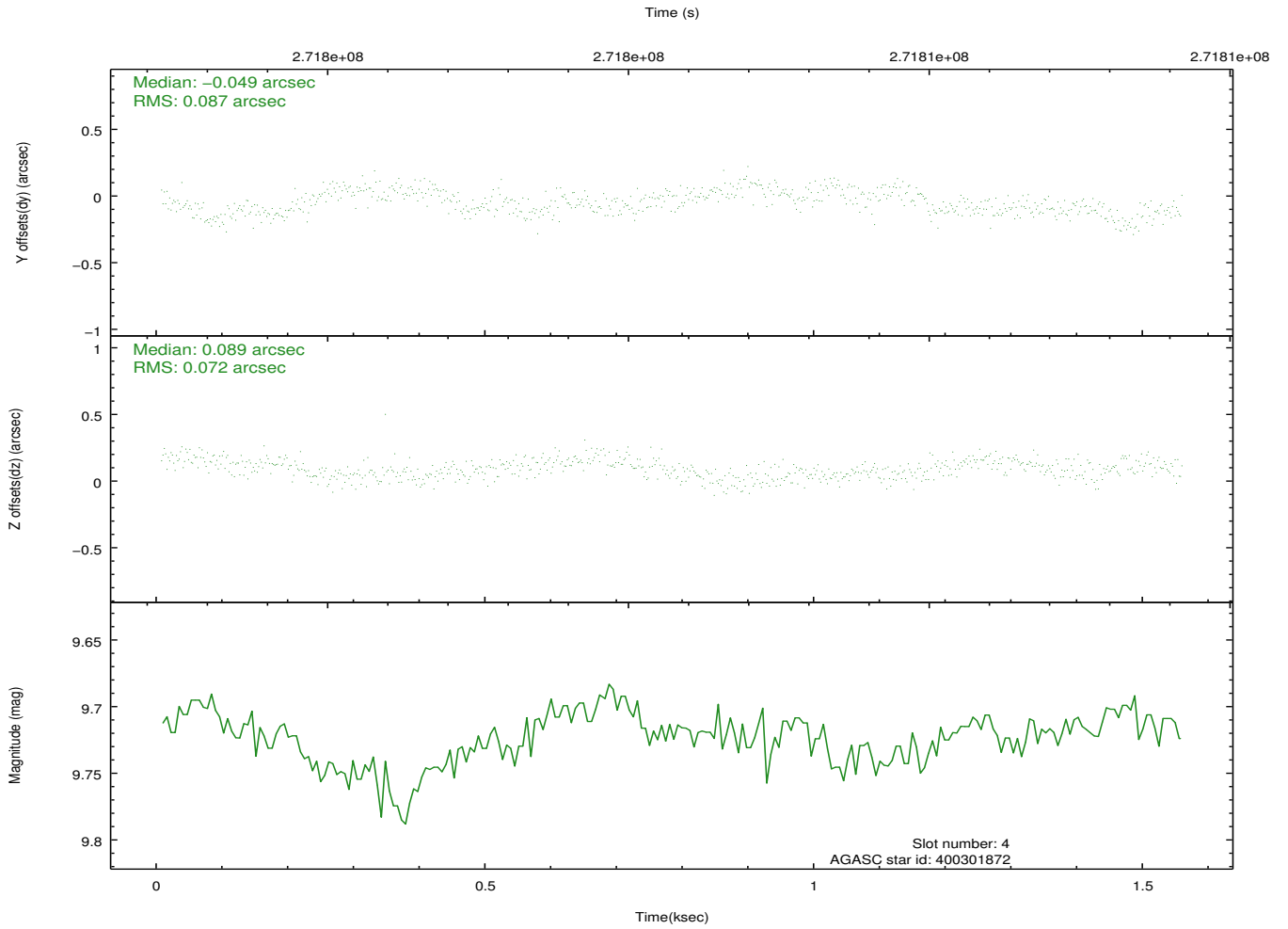
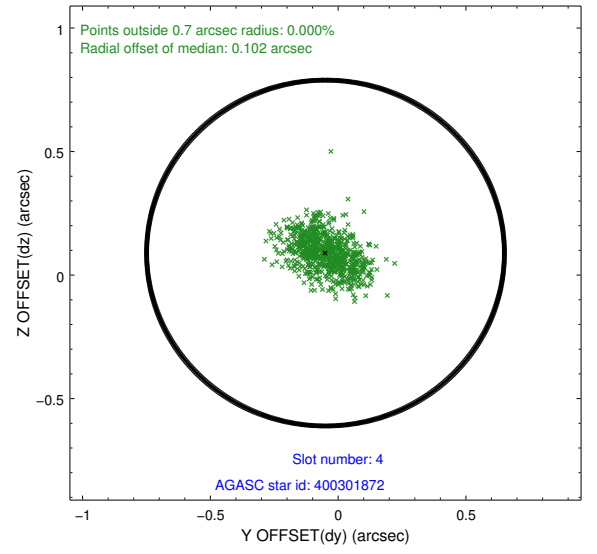
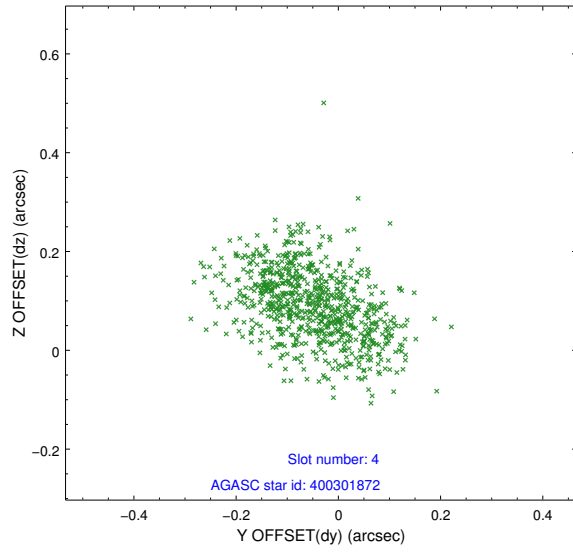
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	379	-0.005	-0.041	0.006	0.010	0.000000	0.000000	-761.46	-1734.24
1	FID	ACIS-S-4	7.20	379	0.111	0.014	0.006	0.011	0.000000	0.000000	2150.01	169.85
2	FID	ACIS-S-5	7.24	379	-0.138	0.036	0.006	0.012	0.000000	0.000000	-1808.95	168.43
3	GUIDE	400298792	8.46	758	-0.026	-0.010	0.082	0.131	239.924164	38.494552	-116.17	1915.54
4	GUIDE	400301872	9.72	757	-0.049	0.089	0.120	0.191	239.424329	38.070869	1741.57	985.51
5	GUIDE	400305672	8.85	757	-0.073	-0.174	0.074	0.122	238.596079	38.730448	91.80	-1908.83
6	GUIDE	401221768	8.33	758	-0.139	0.203	0.067	0.106	240.306168	39.013988	-2213.02	2413.63
7	GUIDE	400302624	10.32	755	0.285	-0.112	0.179	0.296	238.734067	38.047288	2352.62	-873.94

2.4 Star Slots

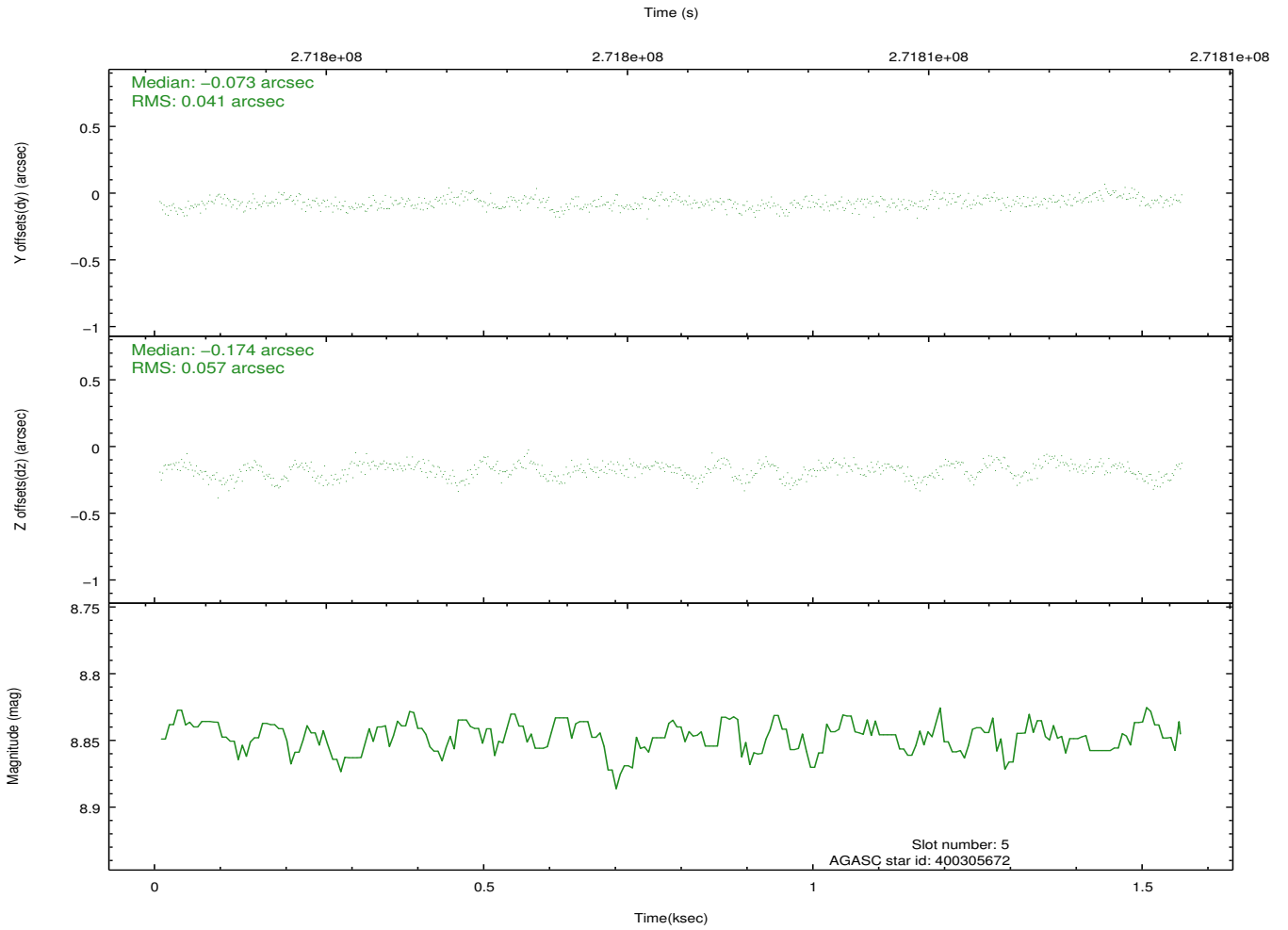
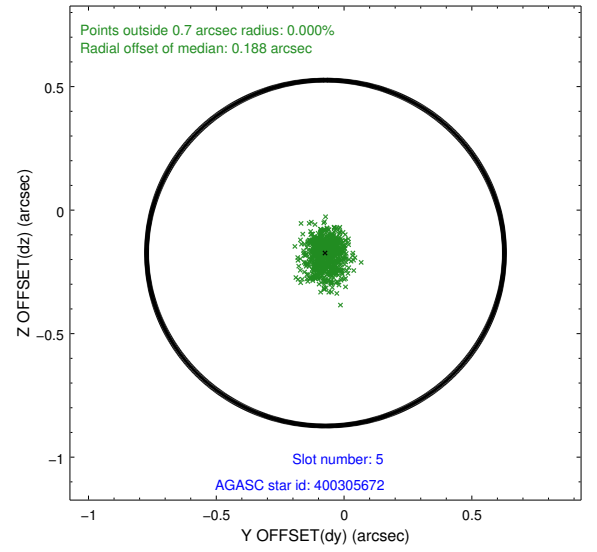
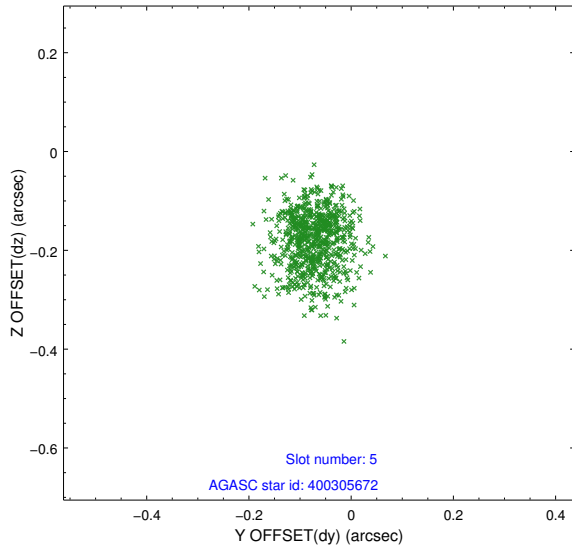
2.4.1 Slot 3



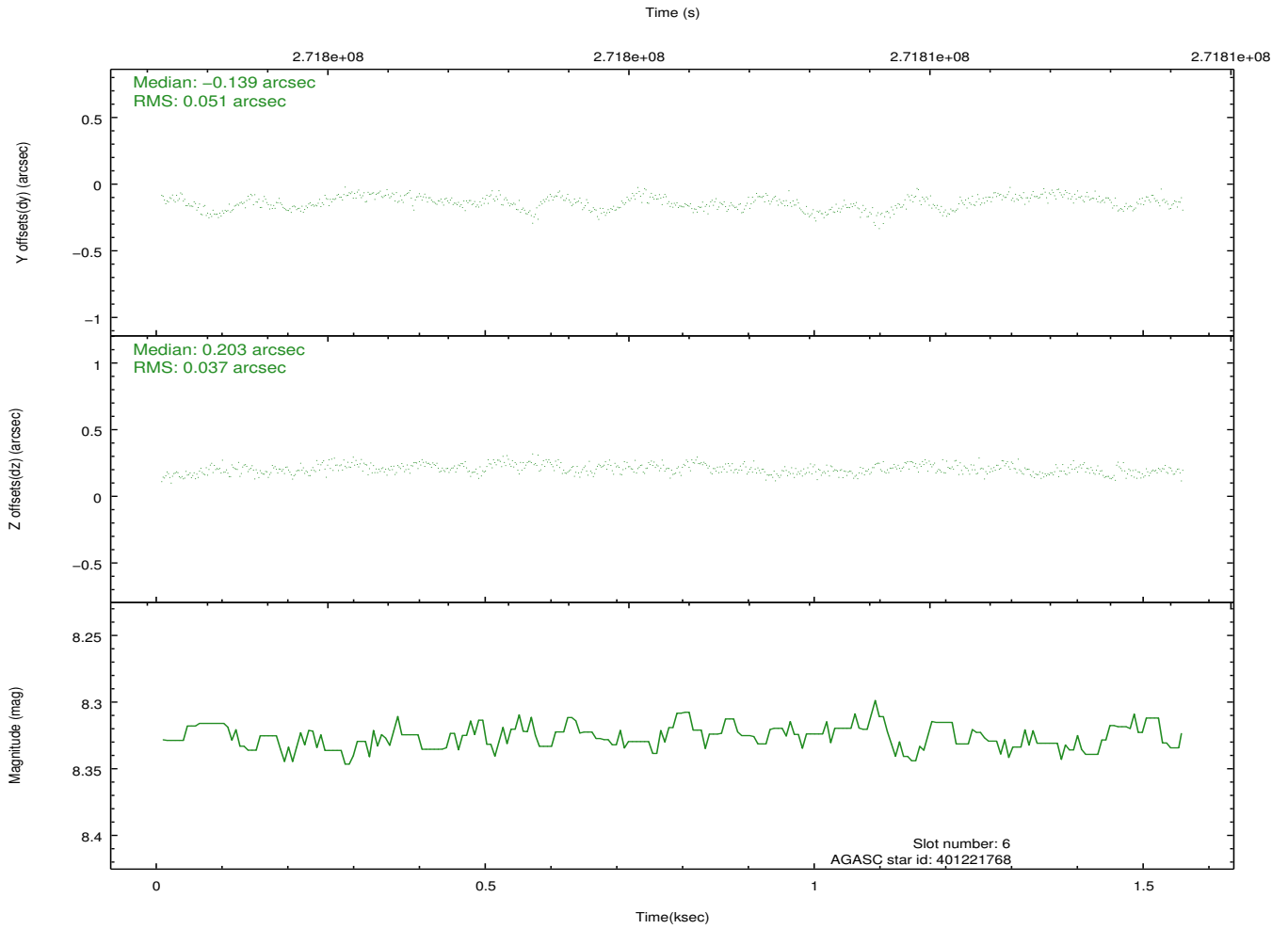
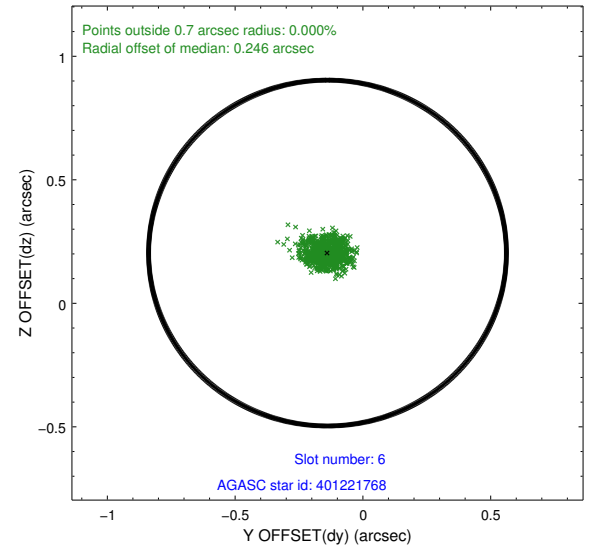
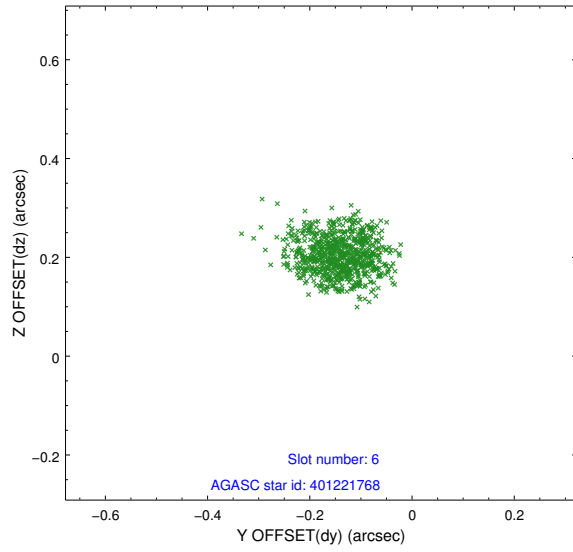
2.4.2 Slot 4



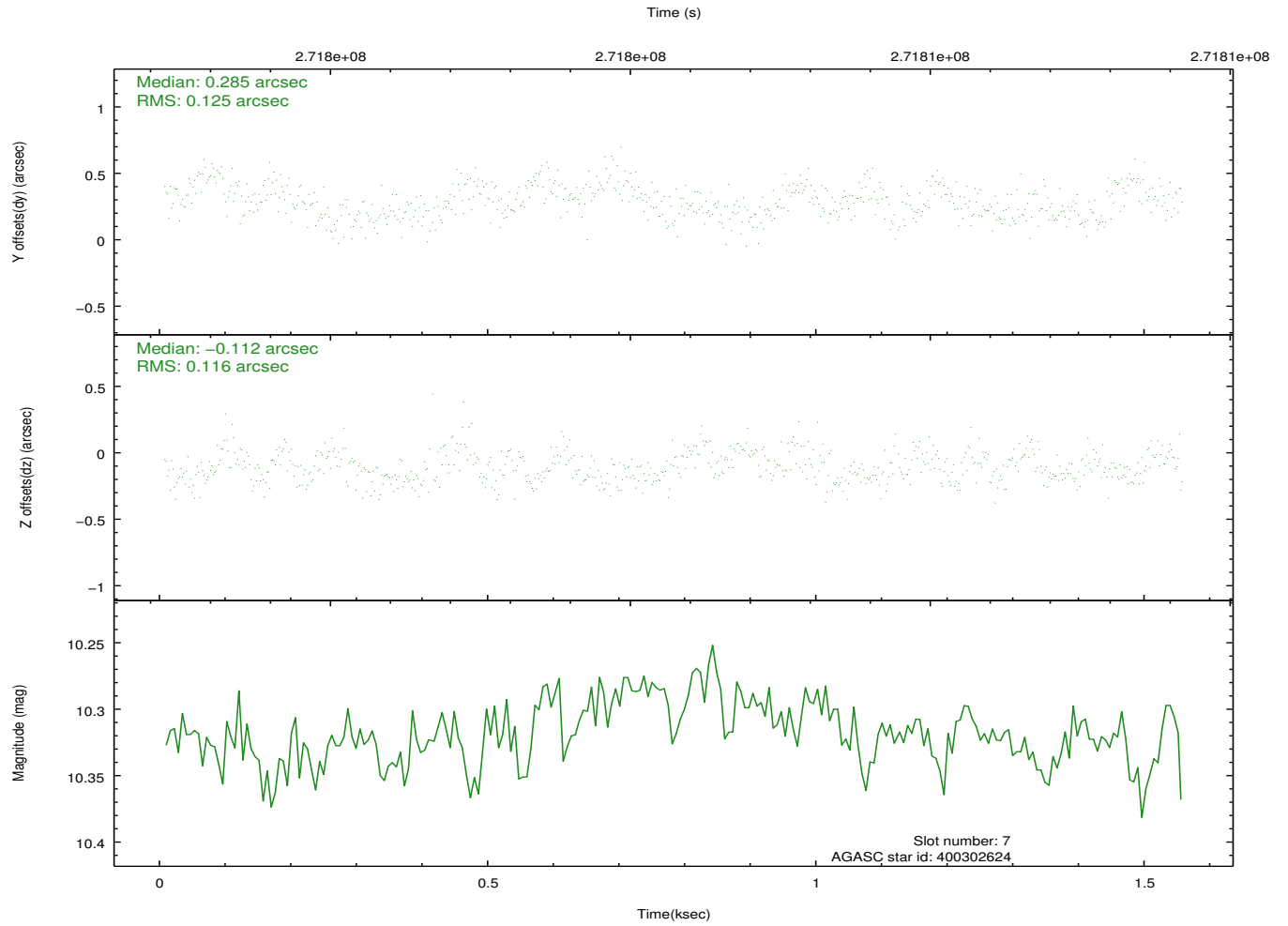
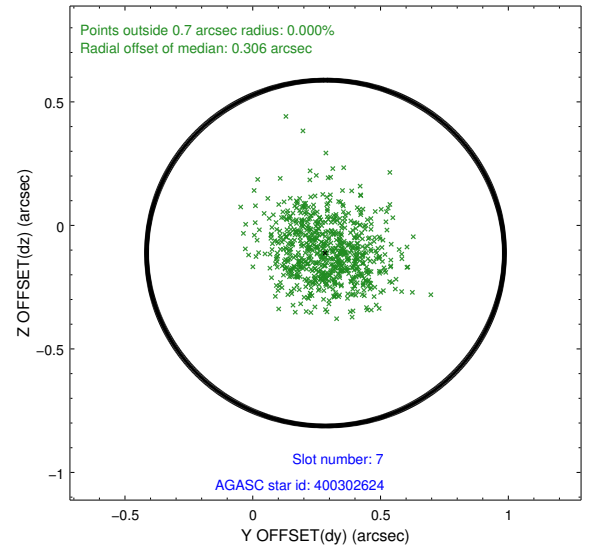
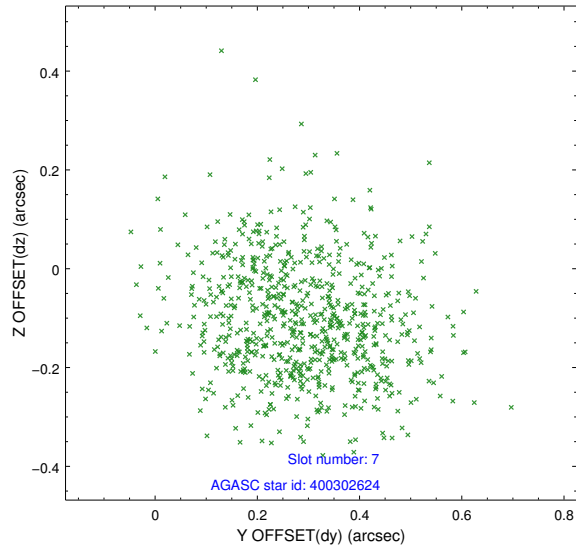
2.4.3 Slot 5



2.4.4 Slot 6

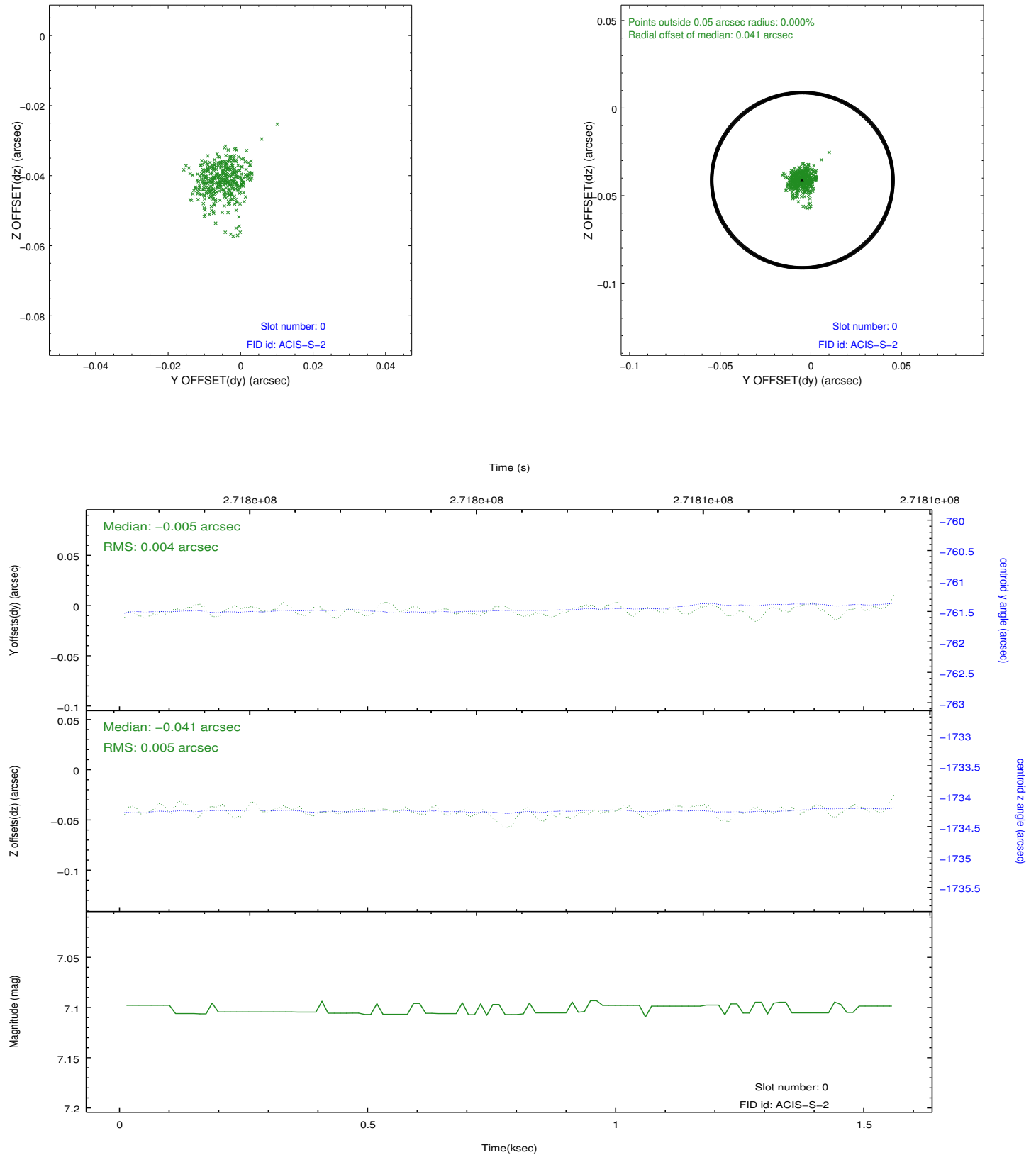


2.4.5 Slot 7

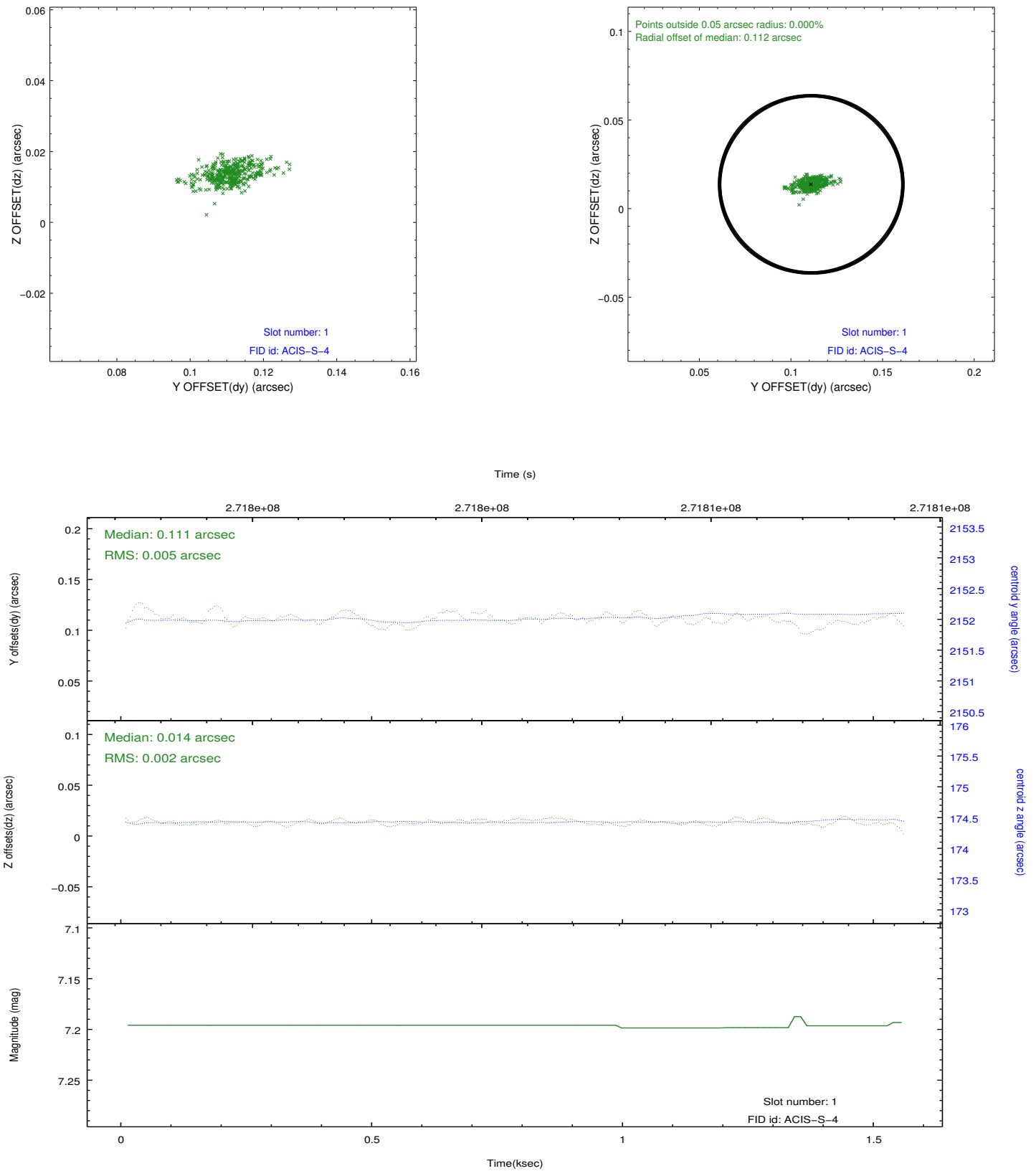


2.5 FID Slots

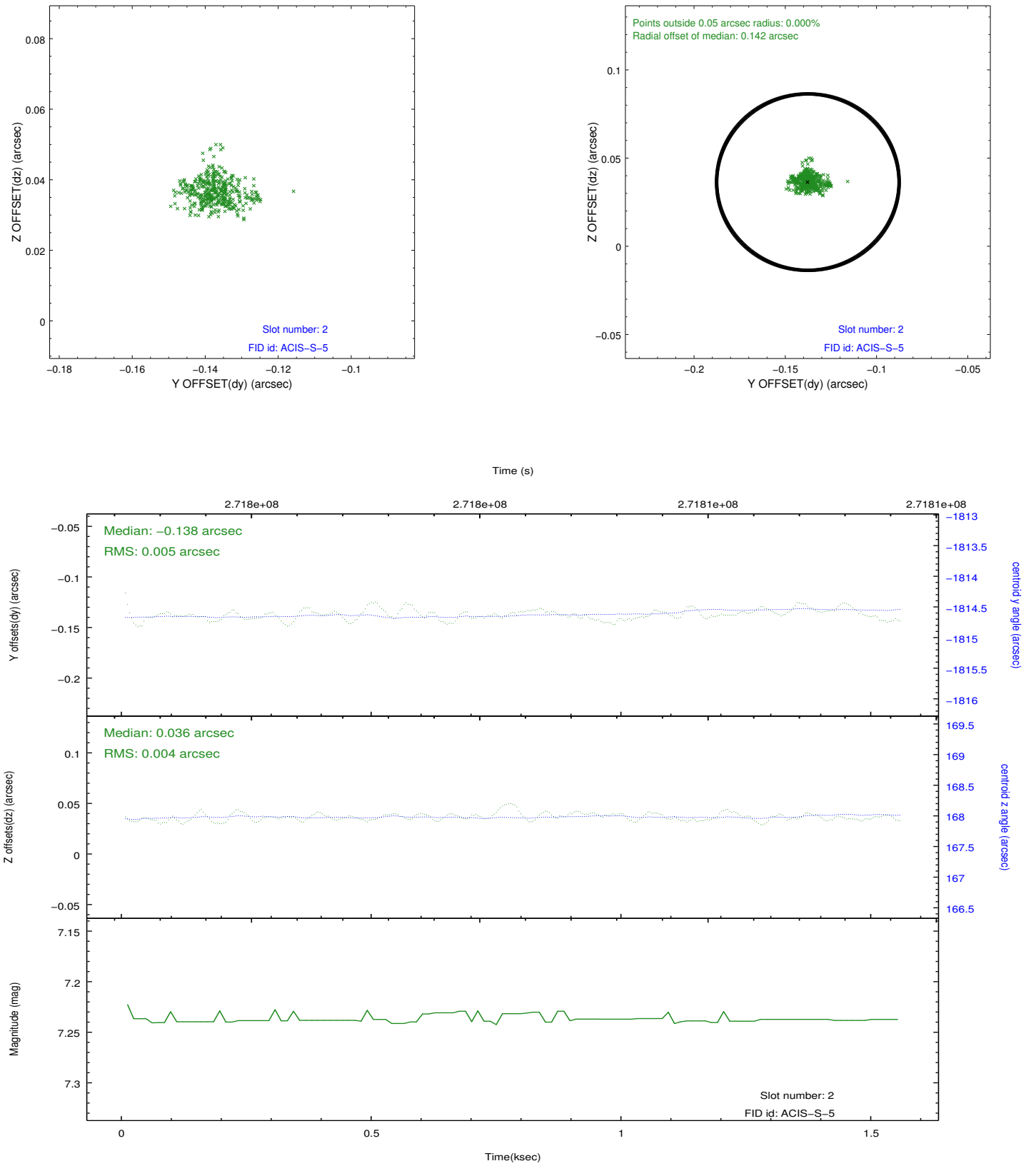
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.04319999

A.2 Comments