

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10148 - L2 Version 2
Chandra X-Ray Center

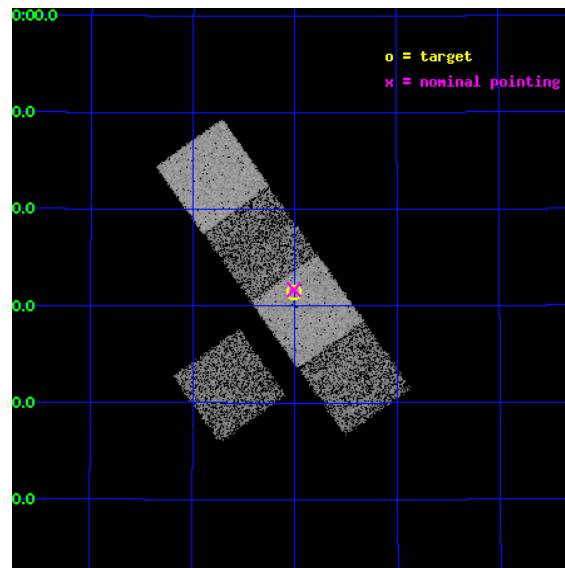
L2 Processing Date : May 28 2012

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1 Front

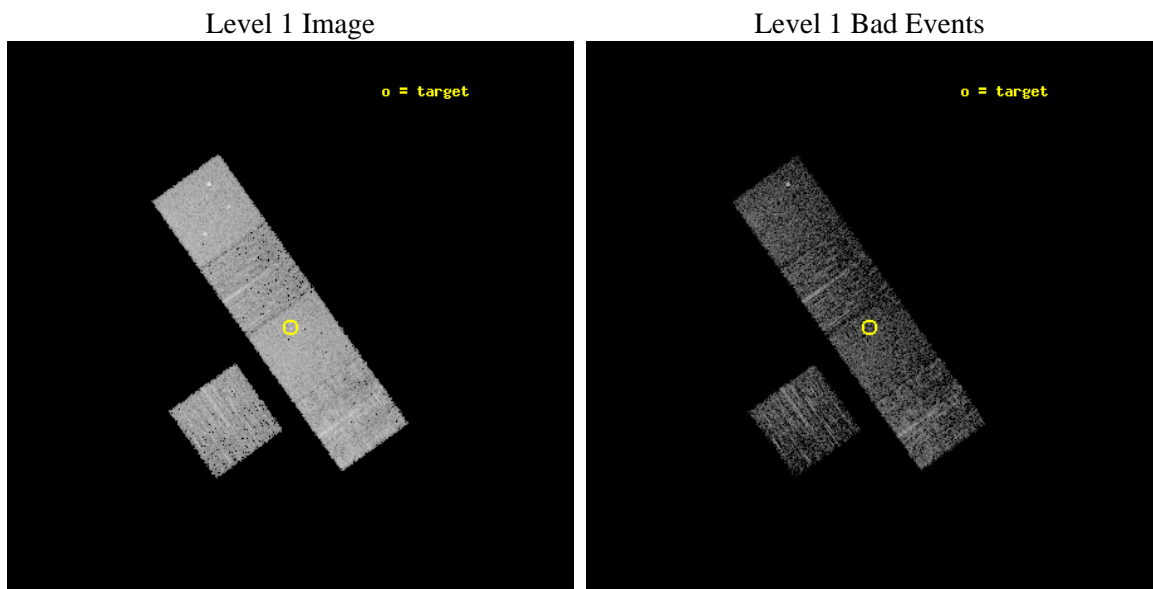
seq_num	501075	Sequence number
obs_id	10148	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ144359.5+443124	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.0025	Observer's specified target RA [deg]
dec_targ	44.523361	Observer's specified target Dec [deg]
ra_nom	221.00274464619	Nominal RA [deg]
dec_nom	44.528094439711	Nominal Dec [deg]
roll_nom	54.493994128681	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2173.1000167131	Sum of GTIs [s]
livetime	2144.7068651818	Livetime [s]
ontime3	2173.1000167131	Sum of GTIs [s]
ontime5	2173.1000167131	Sum of GTIs [s]
ontime6	2173.1000167131	Sum of GTIs [s]
ontime7	2173.1000167131	Sum of GTIs [s]
ontime8	2173.1000167131	Sum of GTIs [s]
l2events	46646	Number of level 2 events



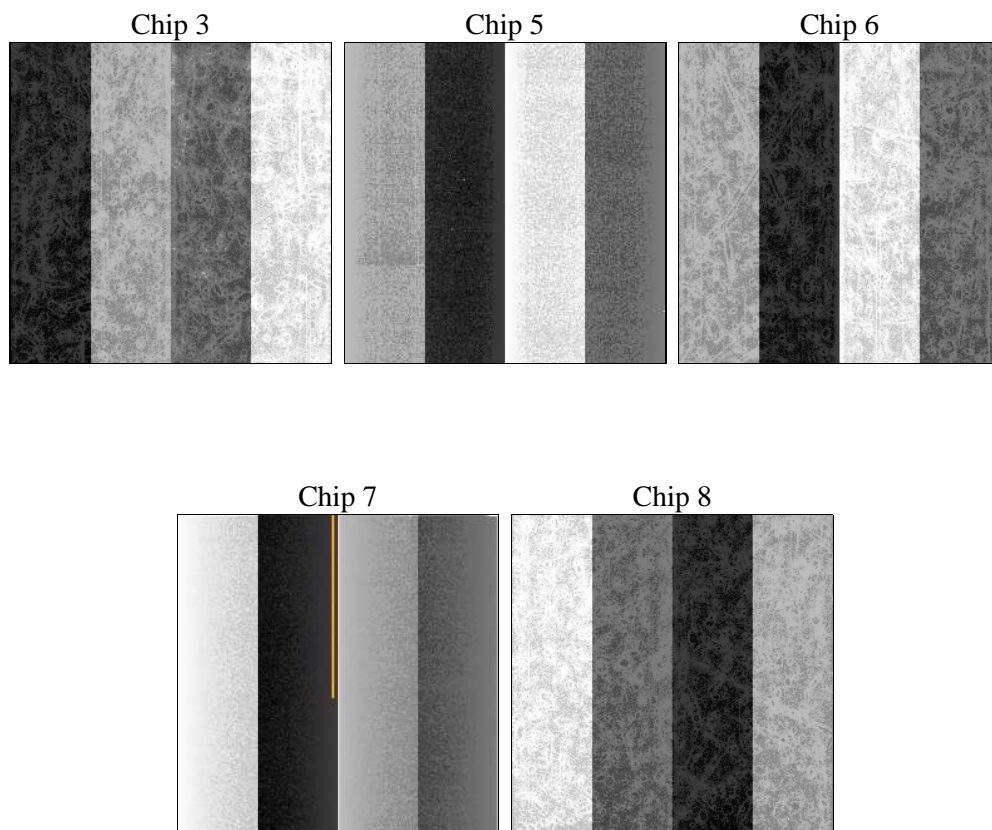
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1999.816000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2173.1000167131	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	2173.1000167131	Sum of GTIs [s]
date	2012-05-28T11:40:34	Date and time of file creation	ontime5	2173.1000167131	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2173.1000167131	Sum of GTIs [s]
			ontime7	2173.1000167131	Sum of GTIs [s]
			ontime8	2173.1000167131	Sum of GTIs [s]
			l1events	155204	Number of level 1 events

2.1.4 Events

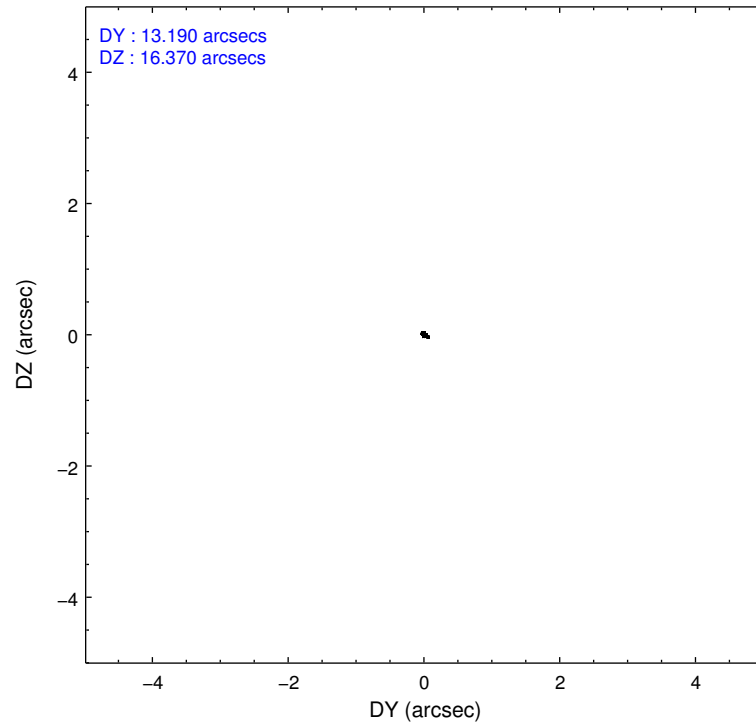
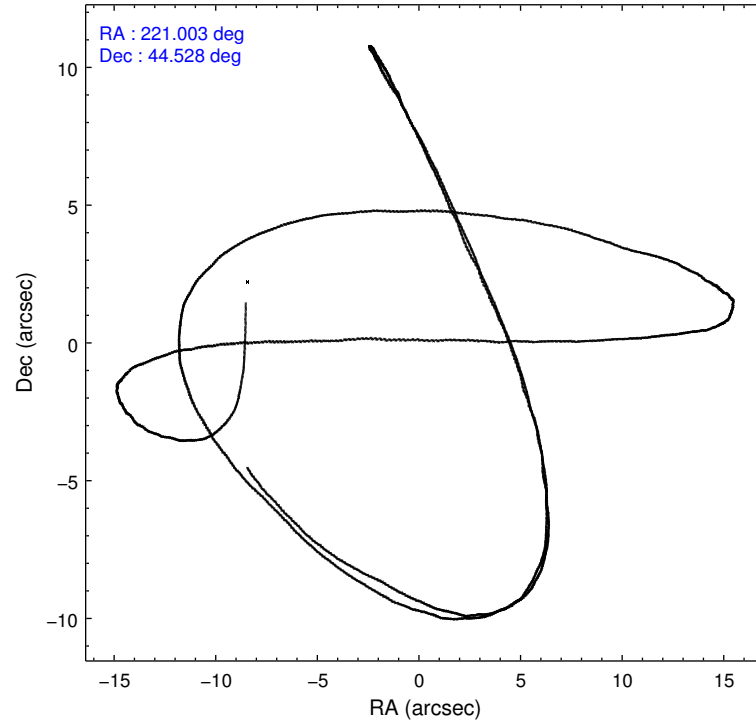
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	24521	38076	24556	35029	33022
rejected events	19768	19830	19512	19111	24120
rejected %	80%	52%	79%	54%	73%

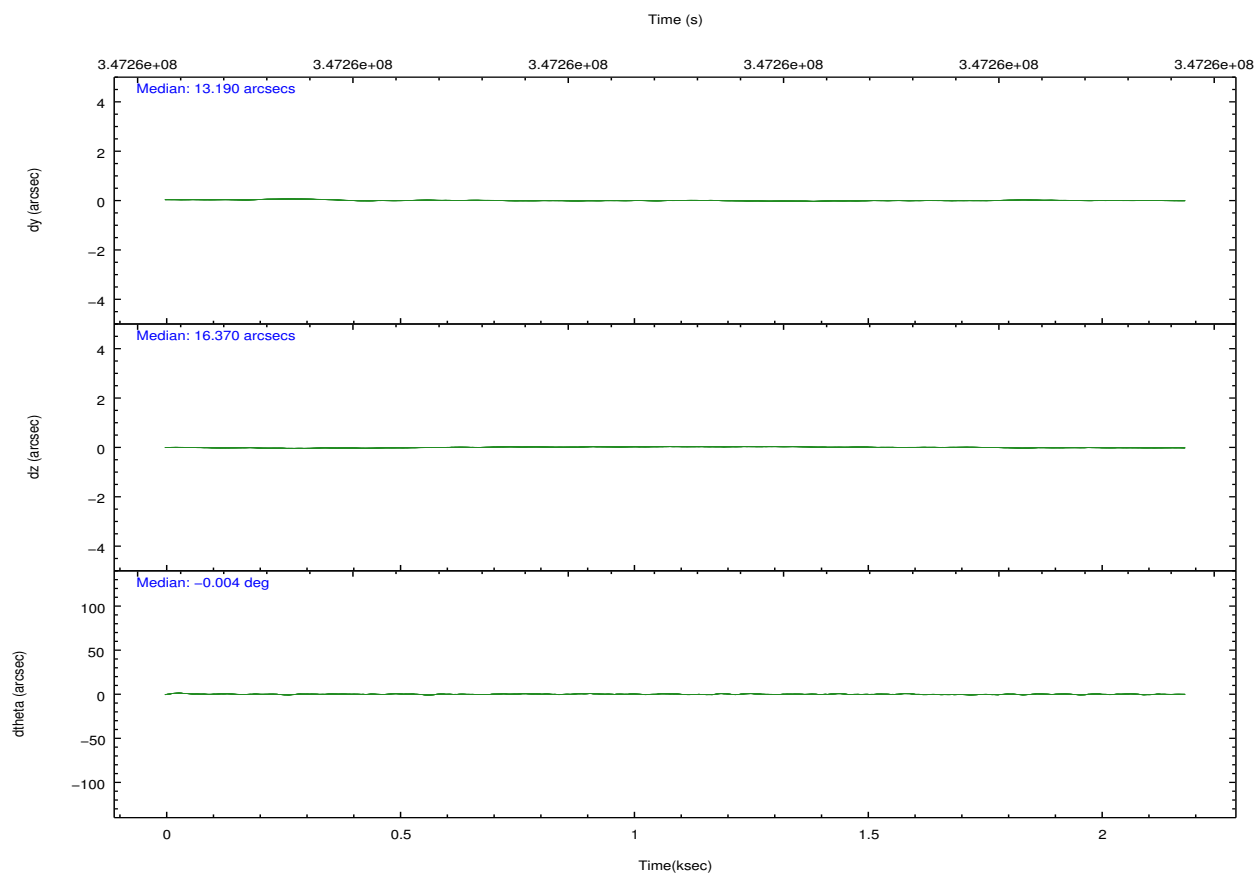
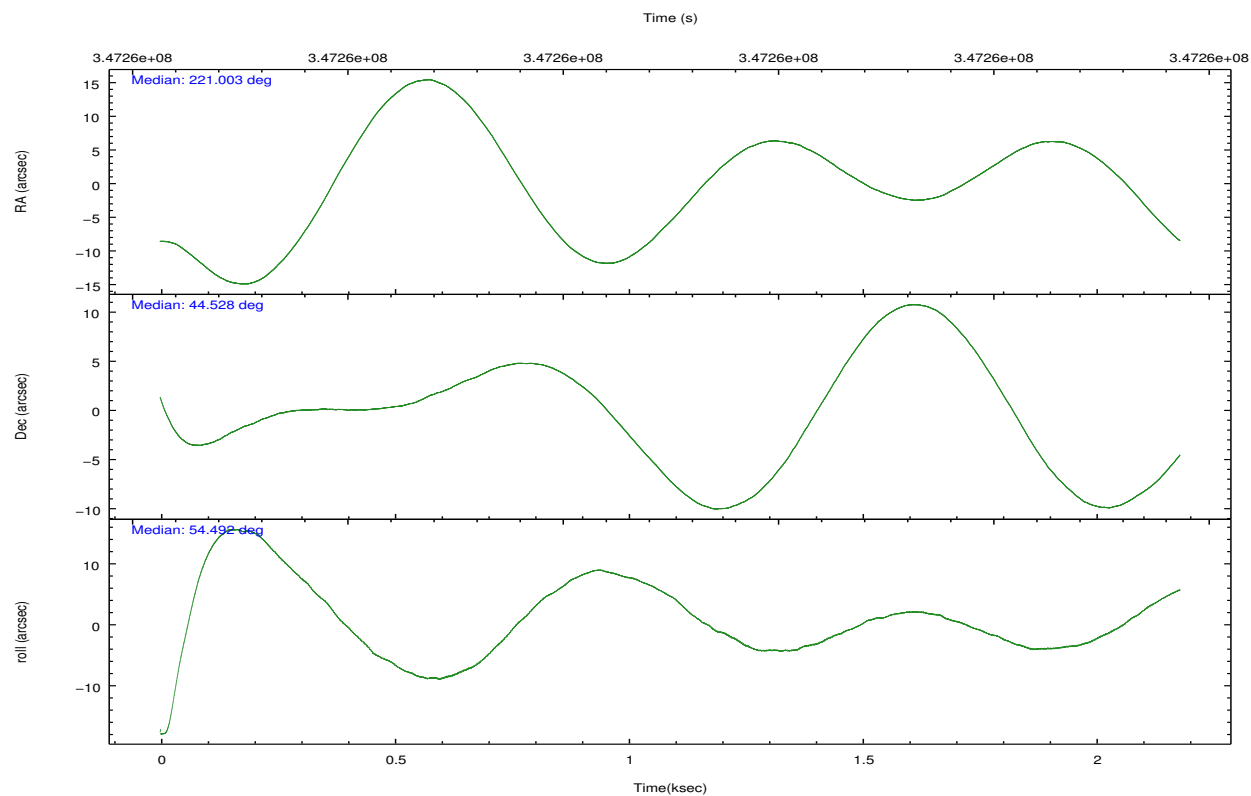
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2639	1854	2687	1552	3631
	10%	4%	10%	4%	10%
grade 1 events	30	276	12	34	32
	0%	0%	0%	0%	0%
grade 2 events	828	5748	952	3159	1994
	3%	15%	3%	9%	6%
grade 3 events	360	667	371	1319	802
	1%	1%	1%	3%	2%
grade 4 events	365	675	318	1328	718
	1%	1%	1%	3%	2%
grade 5 events	1062	2538	1100	2941	1499
	4%	6%	4%	8%	4%
grade 6 events	684	9779	823	8953	2024
	2%	25%	3%	25%	6%
grade 7 events	18553	16539	18293	15743	22322
	75%	43%	74%	44%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	220.999797	221.0027446461884	CCD I2 on	N	N
[deg] Pointing Dec	44.500955	44.52809443971147	CCD I3 on	Y	Y
[deg] Pointing Roll	54.339602	54.49399412868092	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	347260338.184000	347259311.76533	CCD S5 on	N	N
Observation start date	2009-01-02T05:11:12	2009-01-02T04:55:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	347262337.184000	347262565.11549	On-chip summing requested	N	N
Observation end date	2009-01-02T05:44:31	2009-01-02T05:49:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



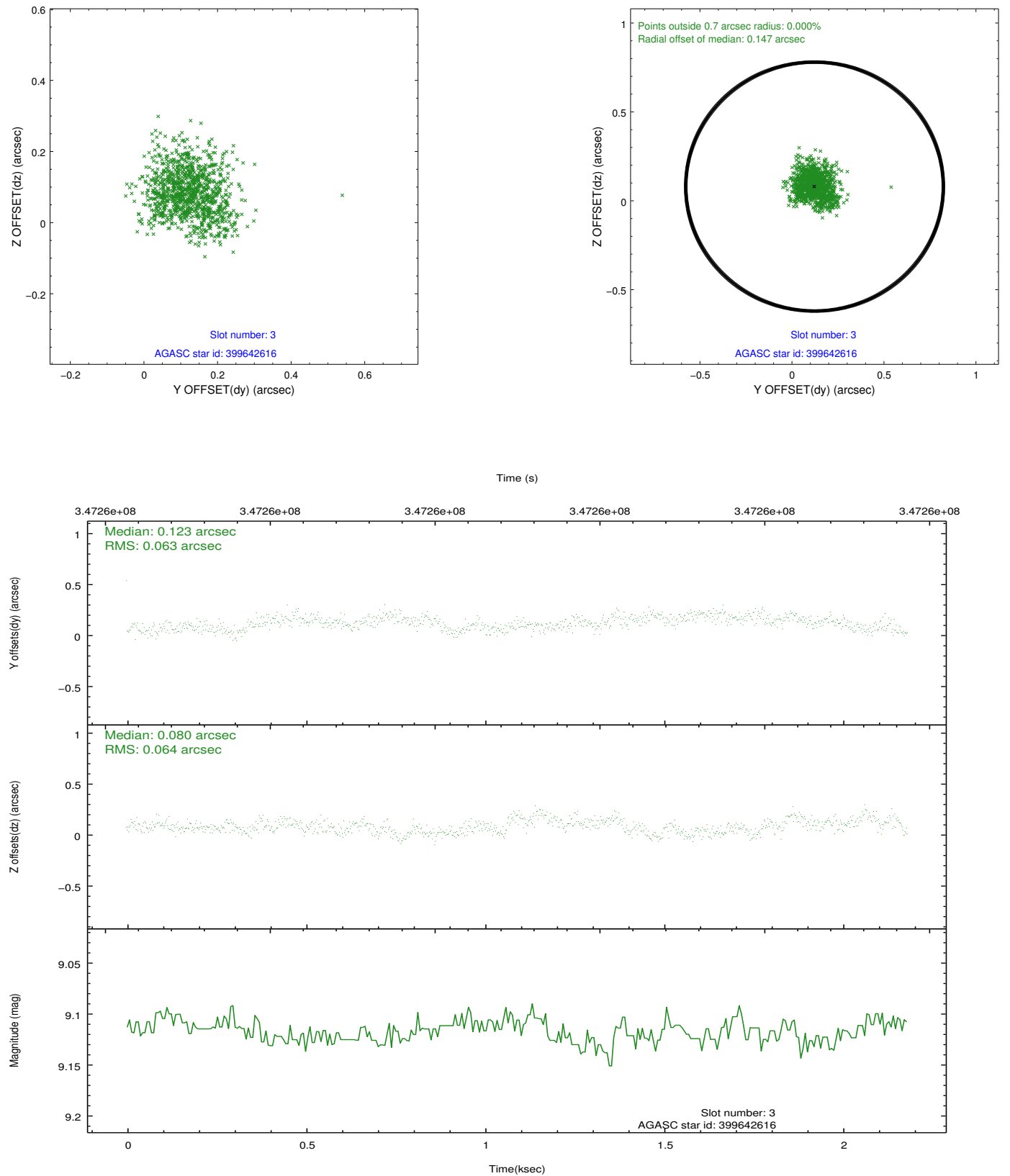


Slot Statistics

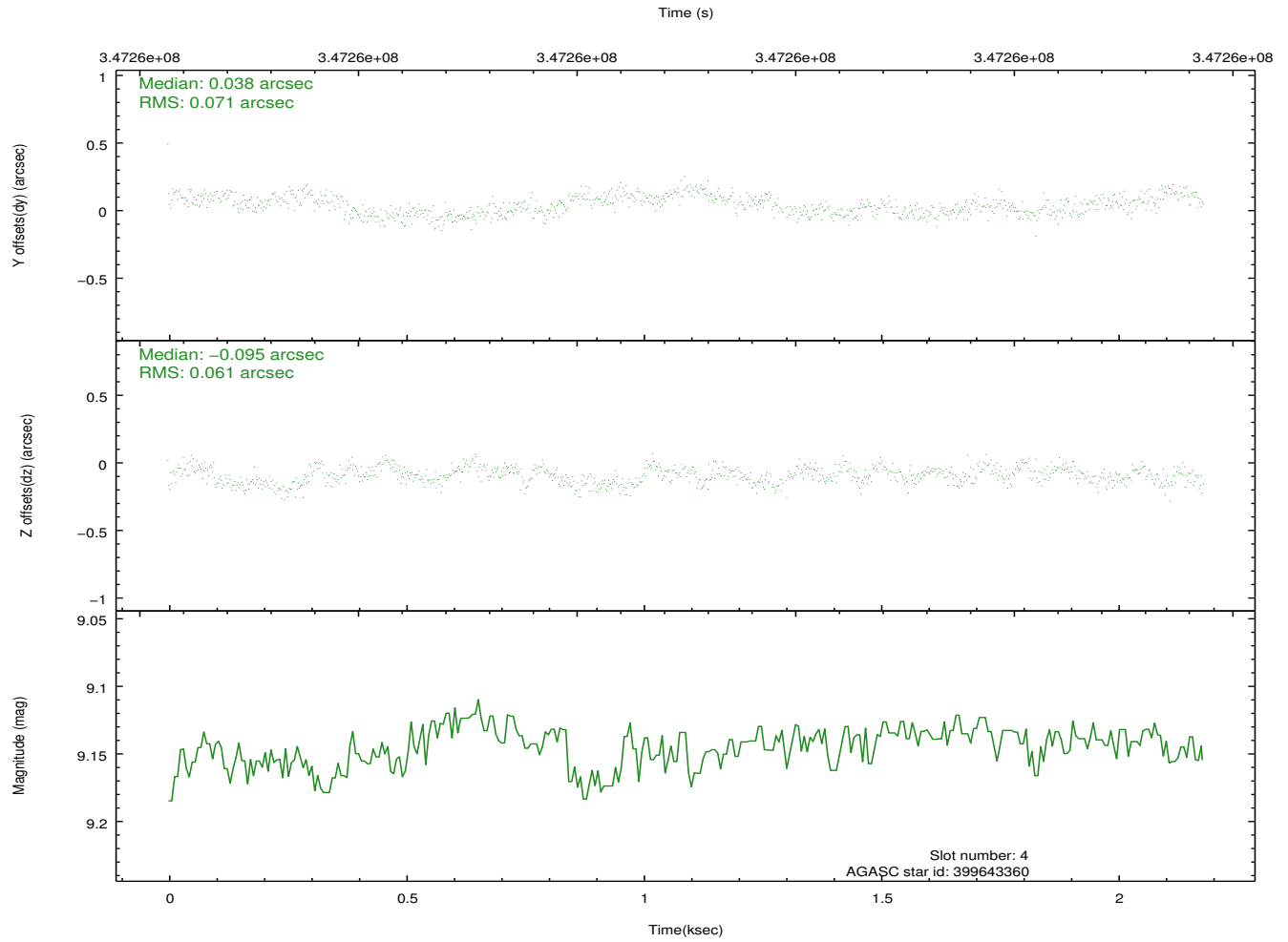
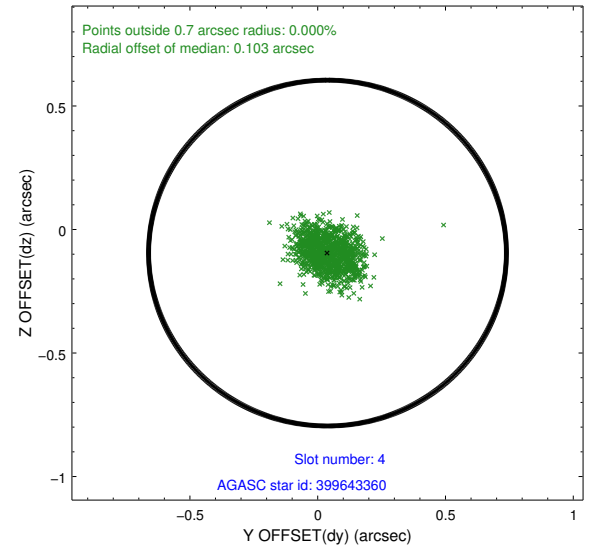
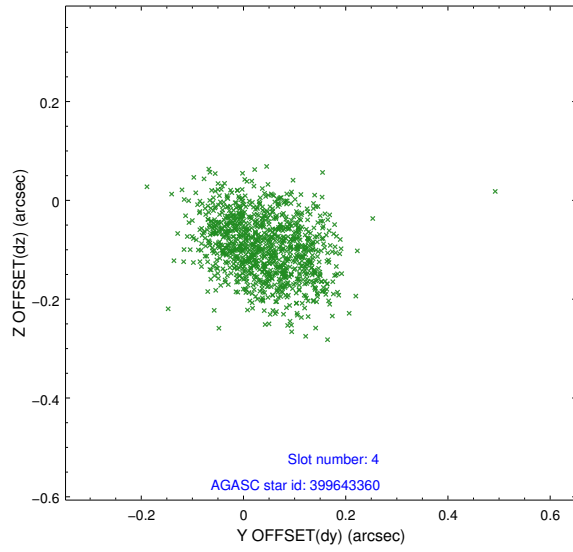
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	532	-0.028	-0.010	0.006	0.010	0.000000	0.000000	-766.14	-1737.75
1	FID	ACIS-S-4	6.98	532	0.151	0.017	0.005	0.009	0.000000	0.000000	2145.94	167.67
2	FID	ACIS-S-5	7.01	532	-0.154	0.002	0.006	0.010	0.000000	0.000000	-1815.28	164.71
3	GUIDE	399642616	9.12	1065	0.123	0.080	0.097	0.153	220.769012	43.994258	-1828.83	-577.39
4	GUIDE	399643360	9.14	1063	0.038	-0.095	0.099	0.153	220.800760	44.462715	-410.62	335.69
5	GUIDE	399645520	9.17	1065	0.015	-0.058	0.086	0.136	220.243690	44.592142	-855.61	1771.63
6	GUIDE	455218464	7.02	1065	-0.281	-0.062	0.075	0.127	221.117561	45.185979	2178.00	1196.14
7	GUIDE	399642136	9.11	1063	0.103	0.137	0.088	0.148	220.944878	43.720813	-2362.22	-1520.57

2.4 Star Slots

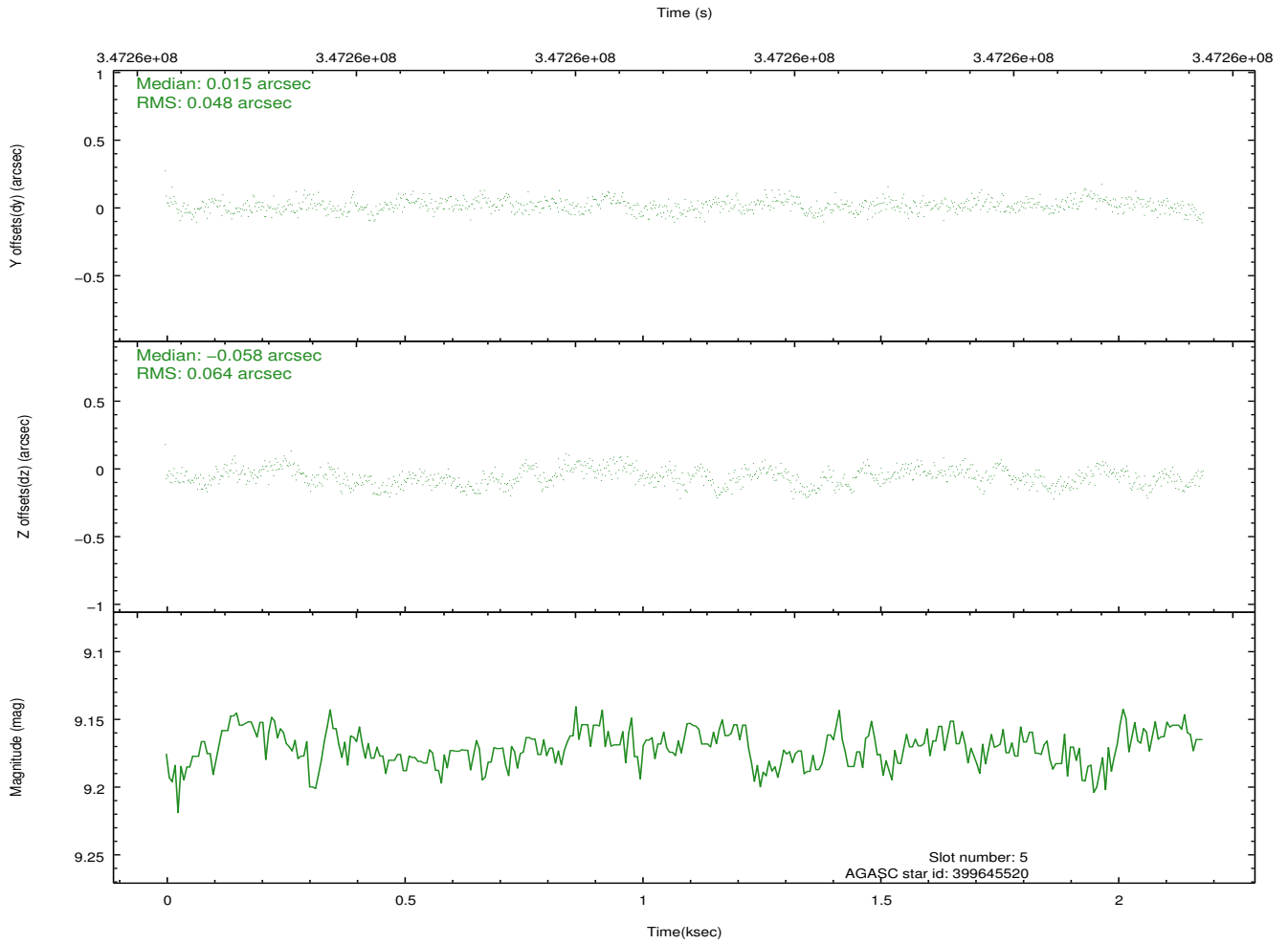
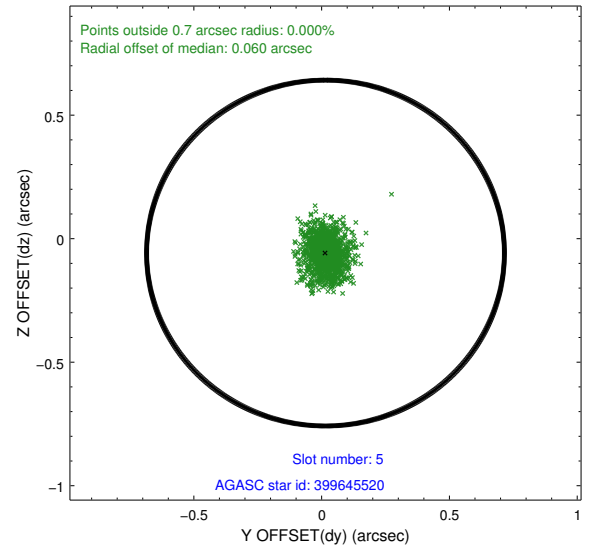
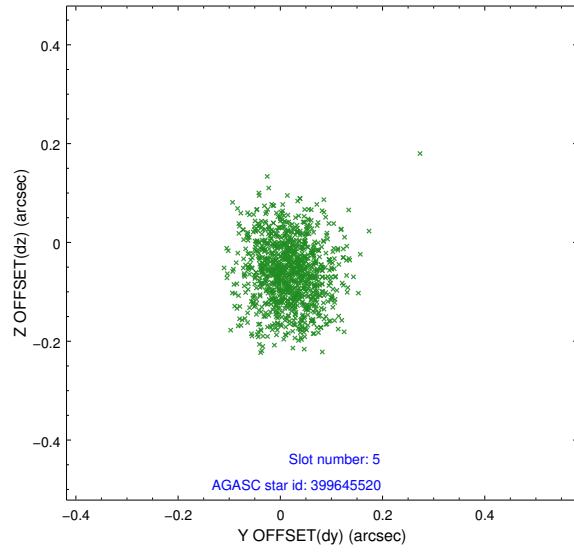
2.4.1 Slot 3



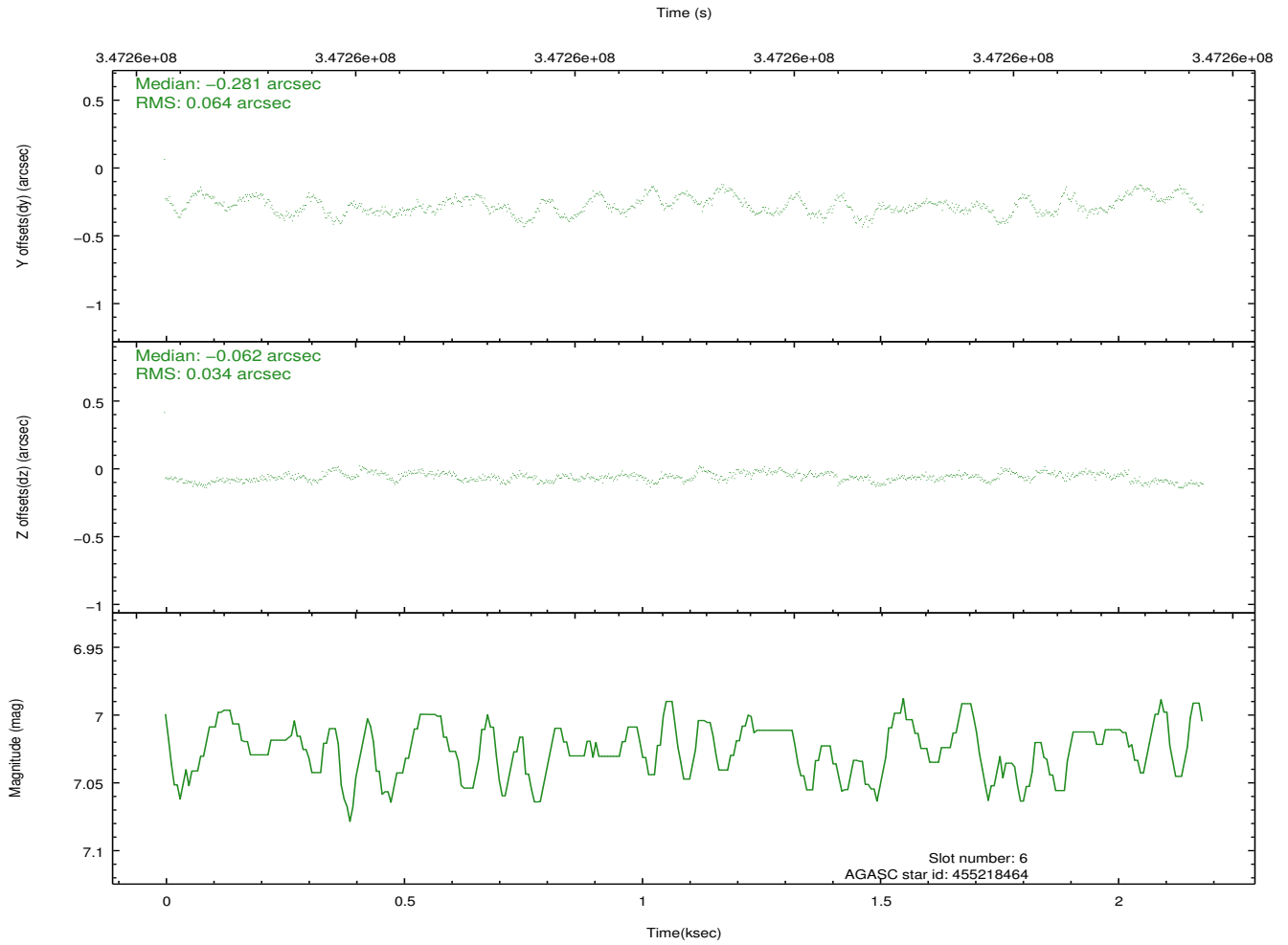
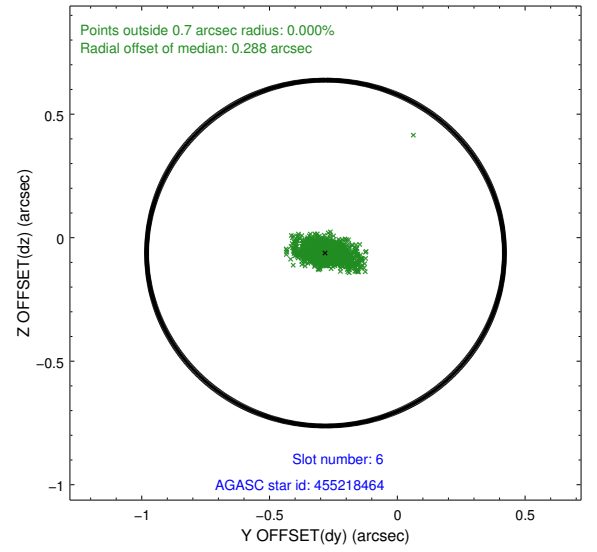
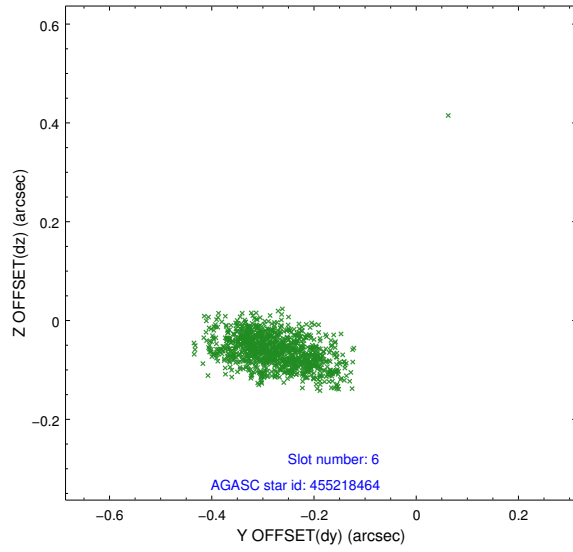
2.4.2 Slot 4



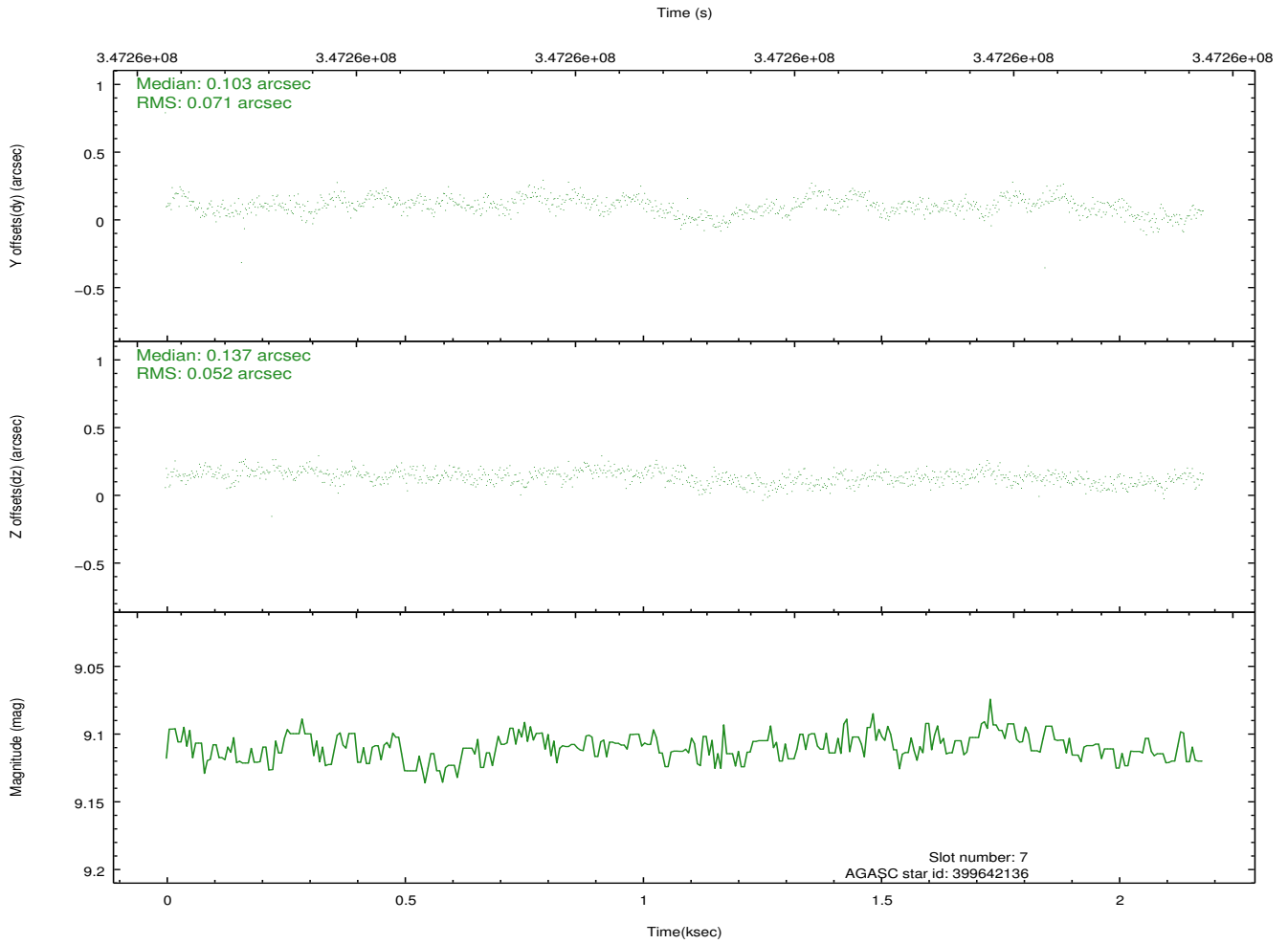
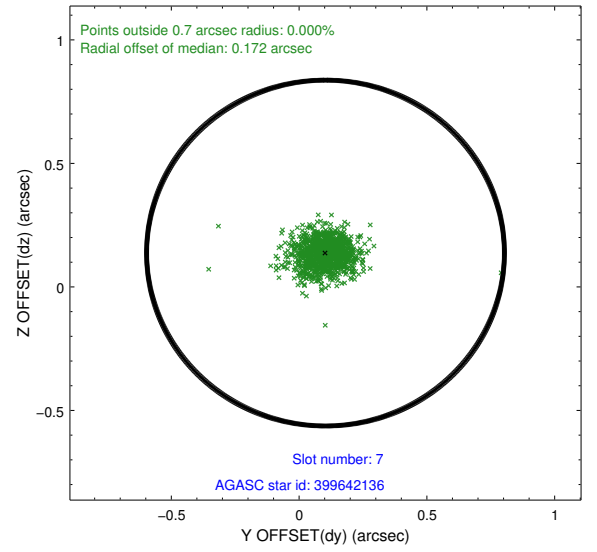
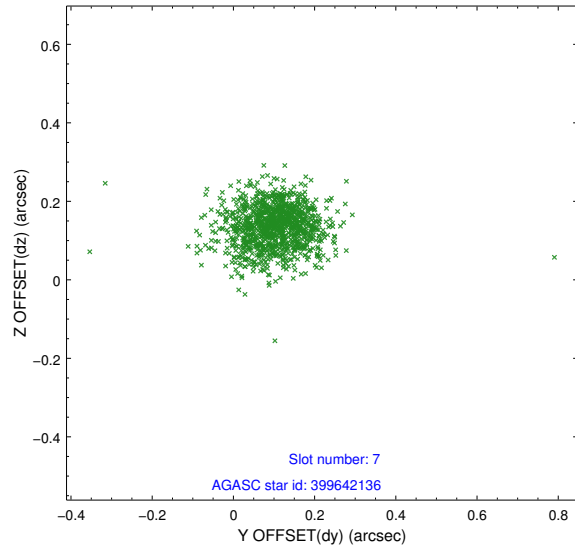
2.4.3 Slot 5



2.4.4 Slot 6

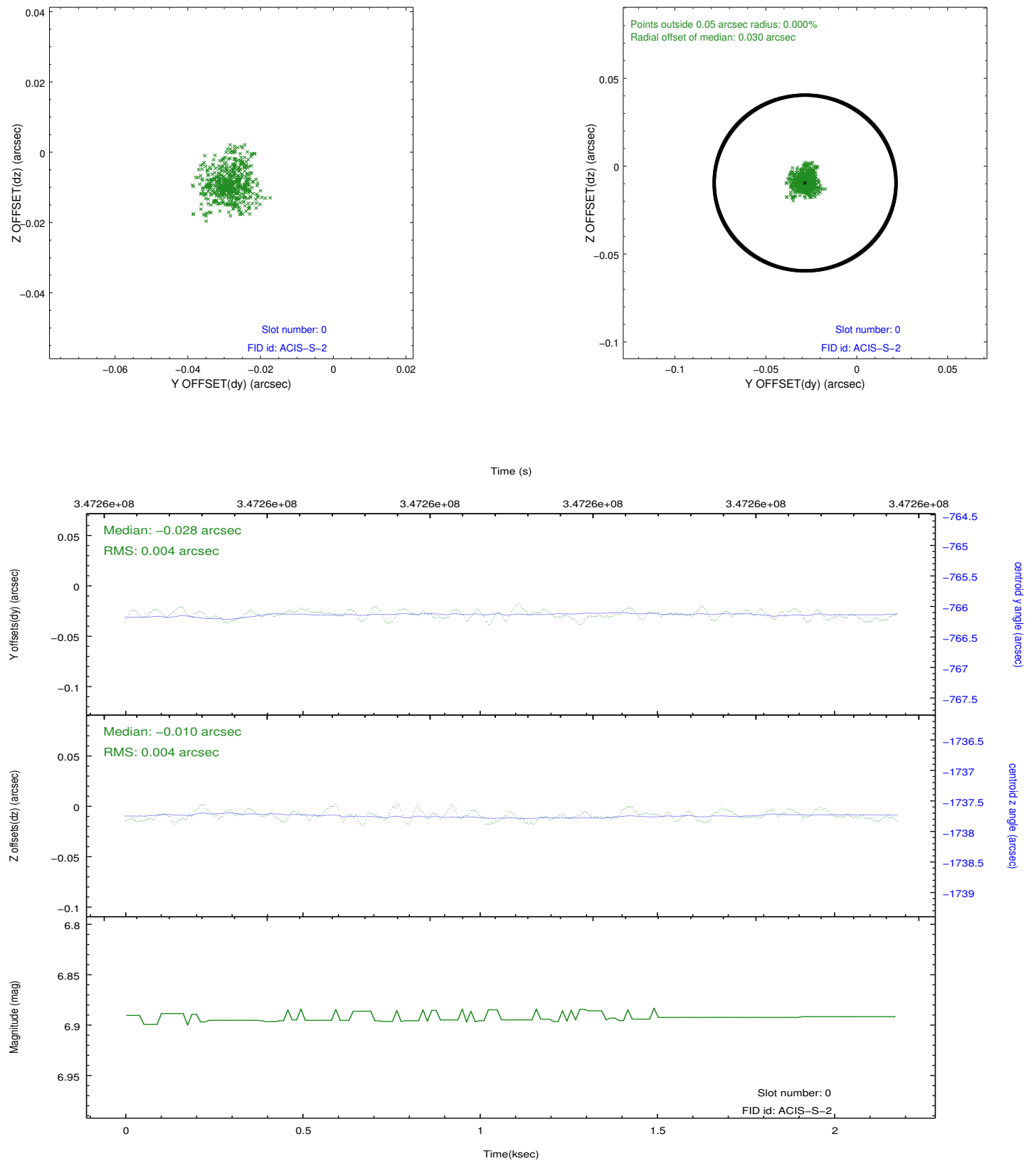


2.4.5 Slot 7

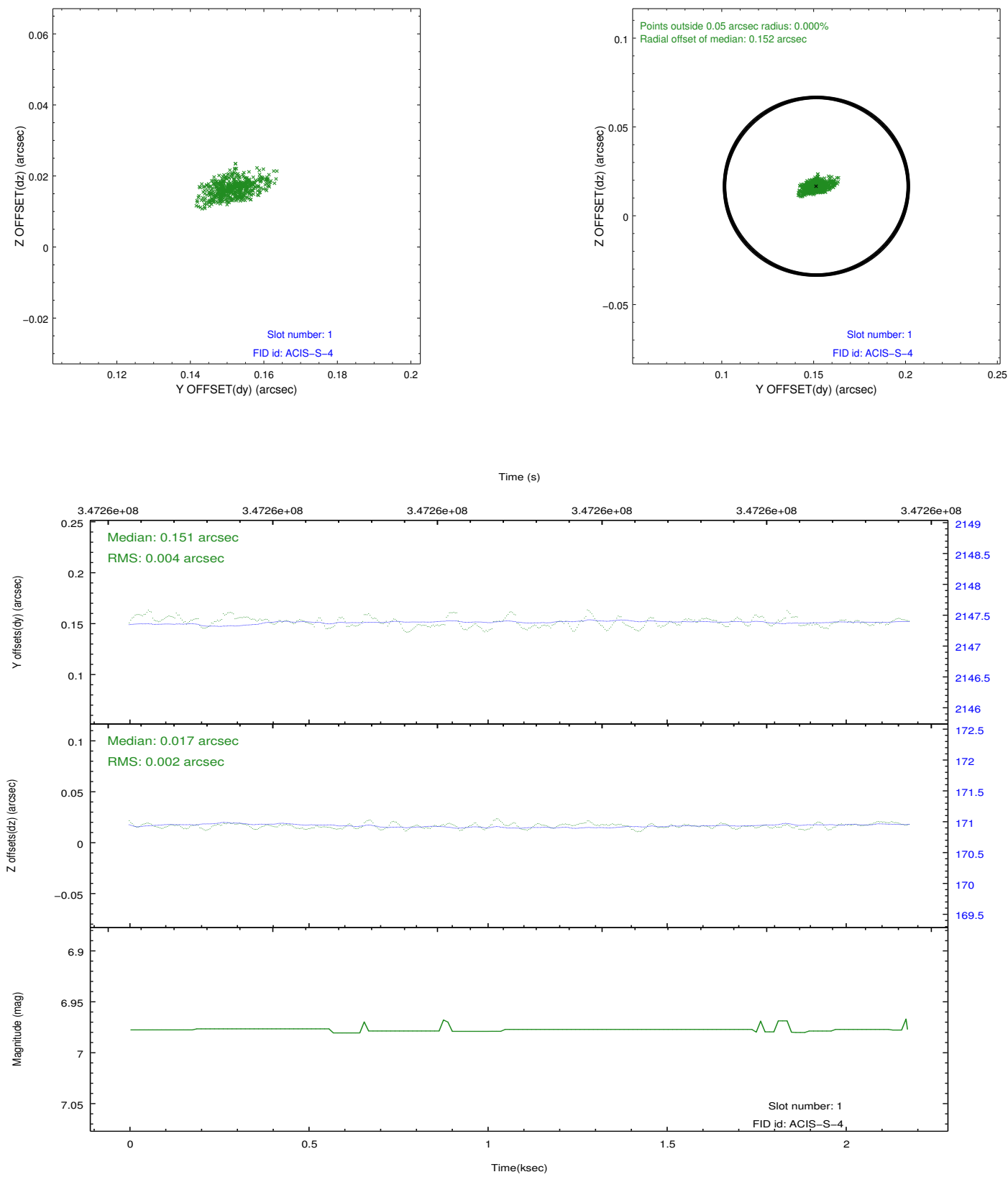


2.5 FID Slots

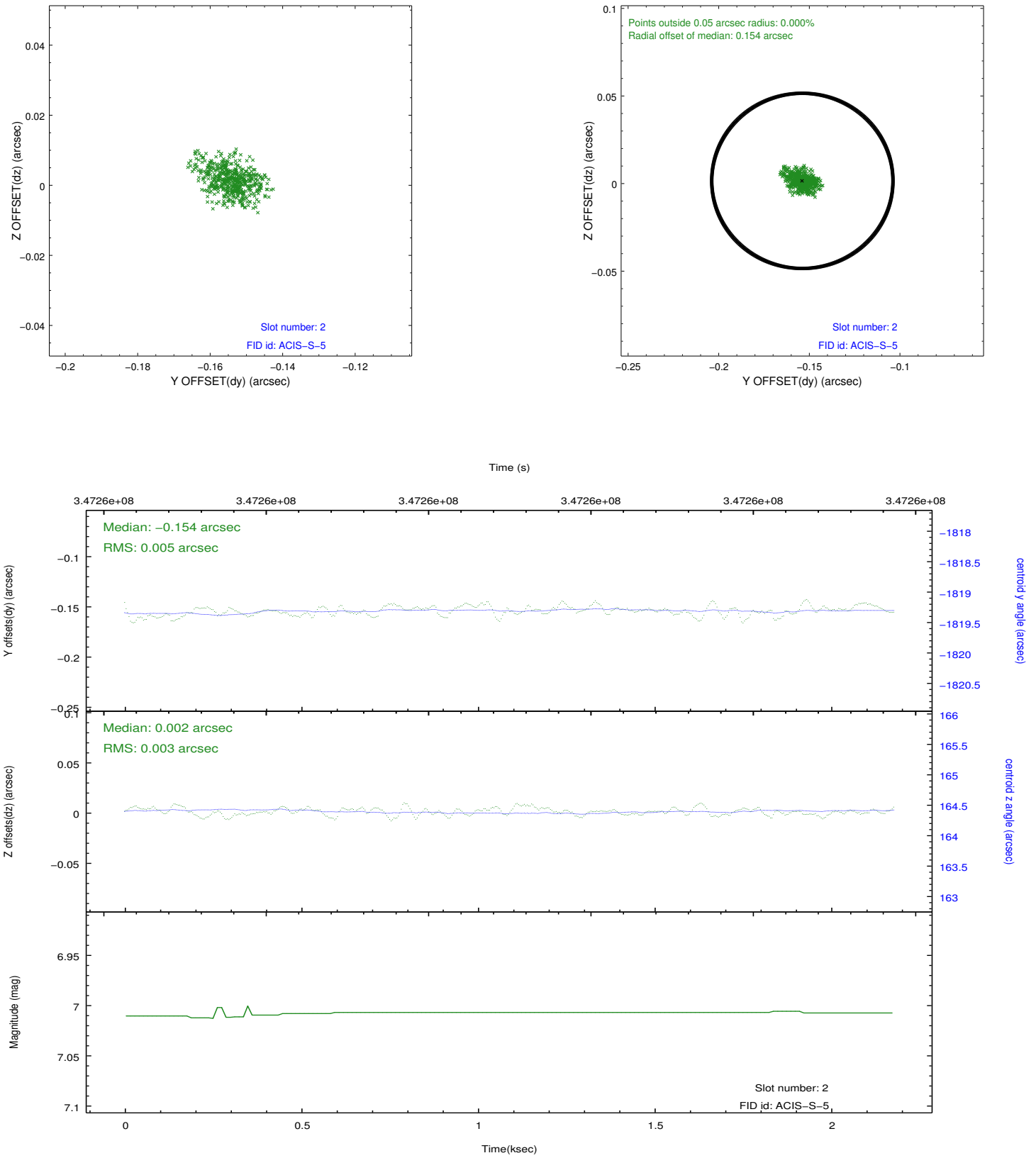
2.5.1 Slot 0



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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17310001

A.2 Comments