

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9835 - L2 Version 2
Chandra X-Ray Center

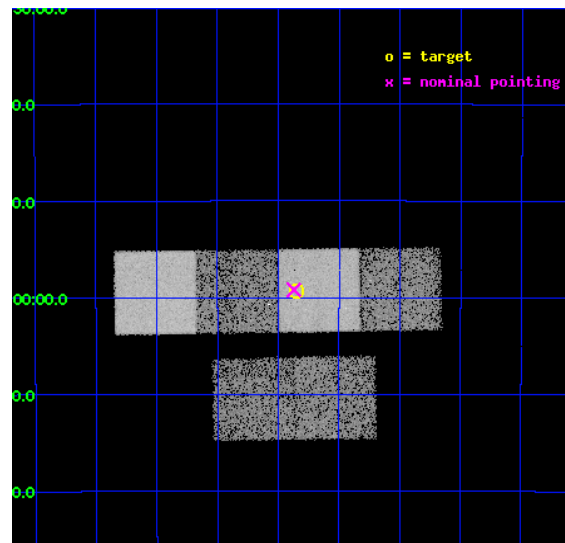
L2 Processing Date : May 11 2012

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1 Front

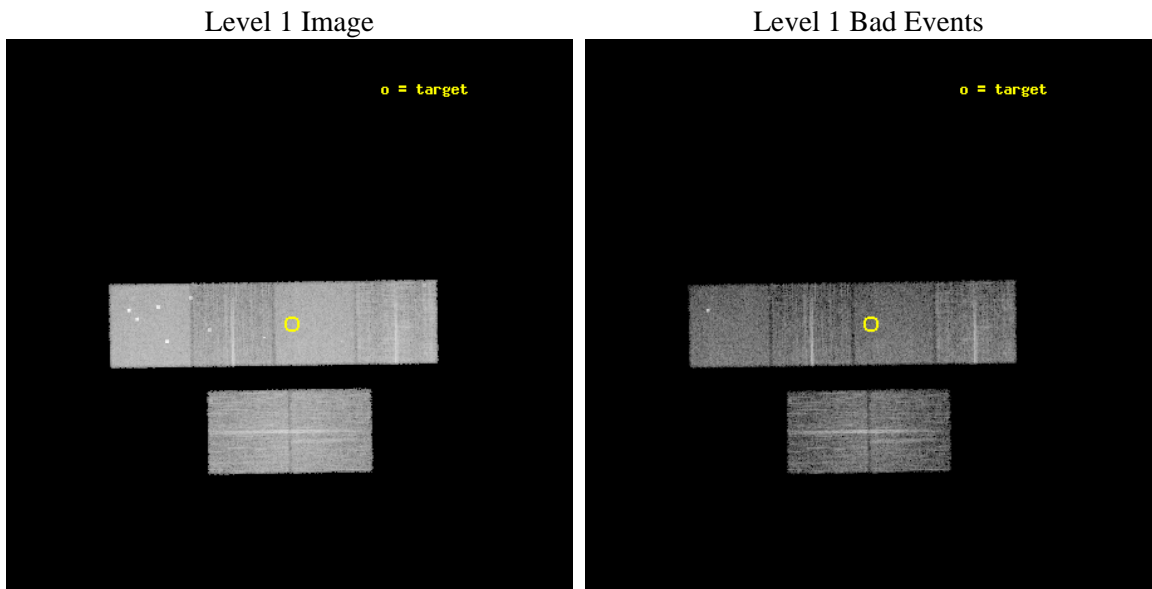
seq_num	200494	Sequence number
obs_id	9835	Observation id
title	Search for X-Ray Emission from TW Hya Association Brown Dwarfs	Pro
observer	Dr. JOHN GIZIS	Principal investigator
object	2MASSW J1139511-315921	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.962917	Observer's specified target RA [deg]
dec_targ	-31.989167	Observer's specified target Dec [deg]
ra_nom	174.96785723101	Nominal RA [deg]
dec_nom	-31.986653914836	Nominal Dec [deg]
roll_nom	359.15922381916	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7180.799973309	Sum of GTIs [s]
livetime	7089.8723602884	Livetime [s]
ontime2	7180.799973309	Sum of GTIs [s]
ontime3	7180.799973309	Sum of GTIs [s]
ontime5	7180.799973309	Sum of GTIs [s]
ontime6	7180.799973309	Sum of GTIs [s]
ontime7	7180.799973309	Sum of GTIs [s]
ontime8	7180.799973309	Sum of GTIs [s]
l2events	112728	Number of level 2 events



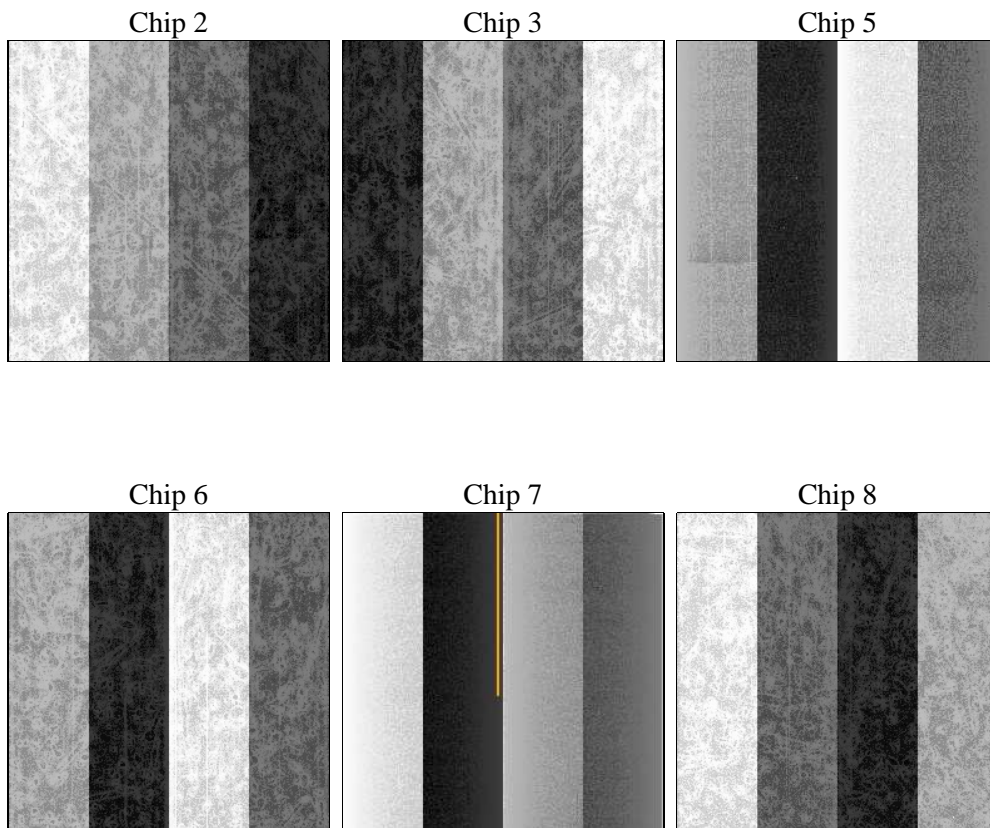
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7180.799973309	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	7180.799973309	Sum of GTIs [s]
date	2012-05-11T12:50:21	Date and time of file creation	ontime3	7180.799973309	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7180.799973309	Sum of GTIs [s]
			ontime6	7180.799973309	Sum of GTIs [s]
			ontime7	7180.799973309	Sum of GTIs [s]
			ontime8	7180.799973309	Sum of GTIs [s]
			l1events	550329	Number of level 1 events

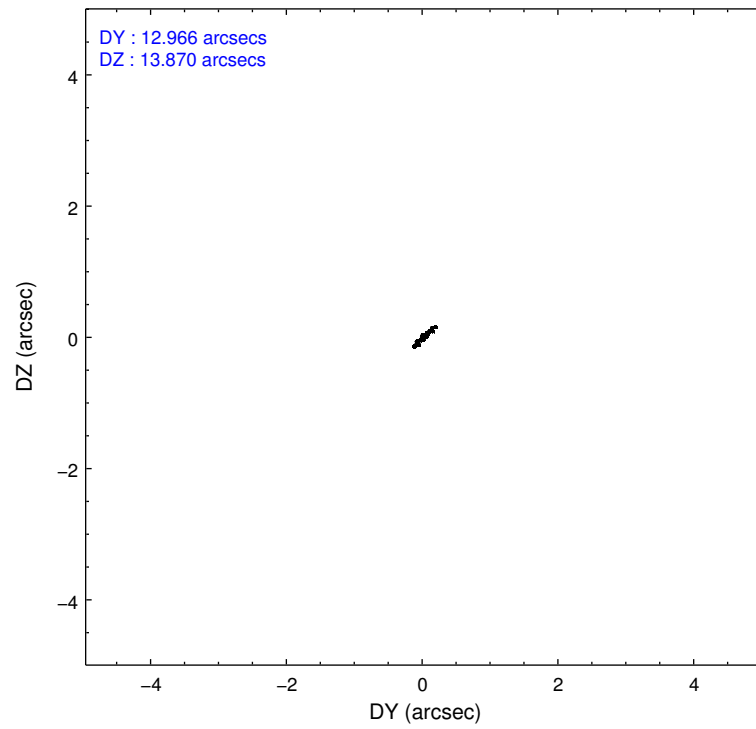
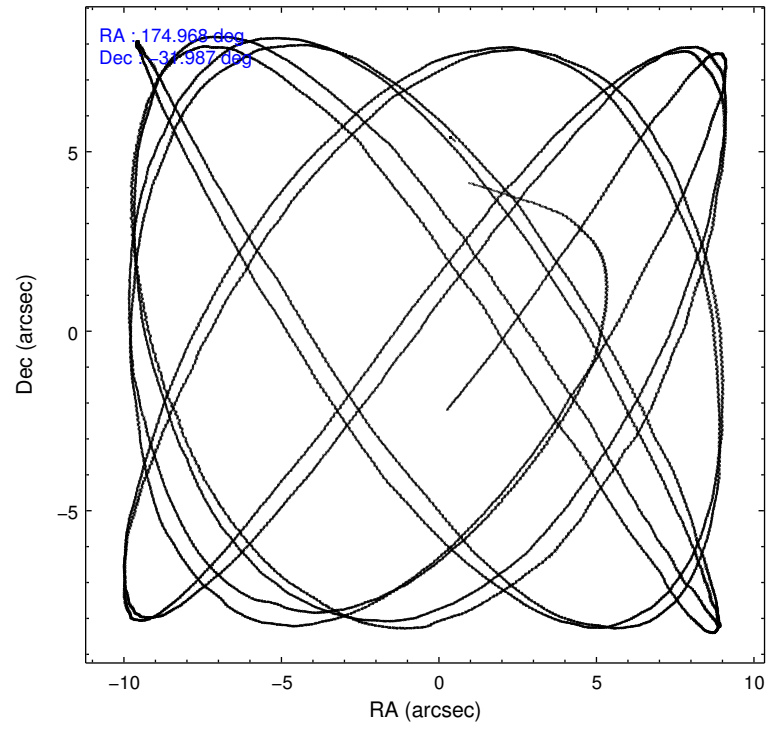
2.1.4 Events

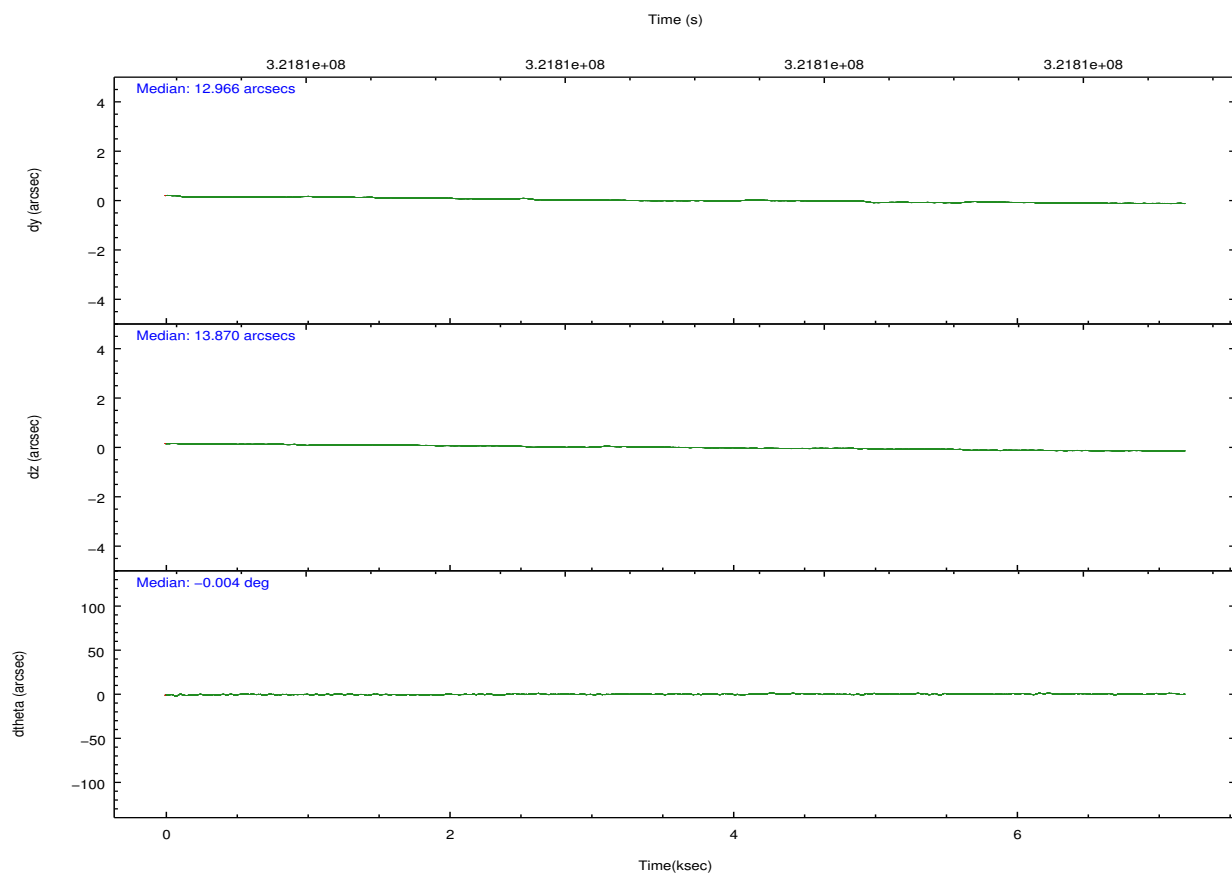
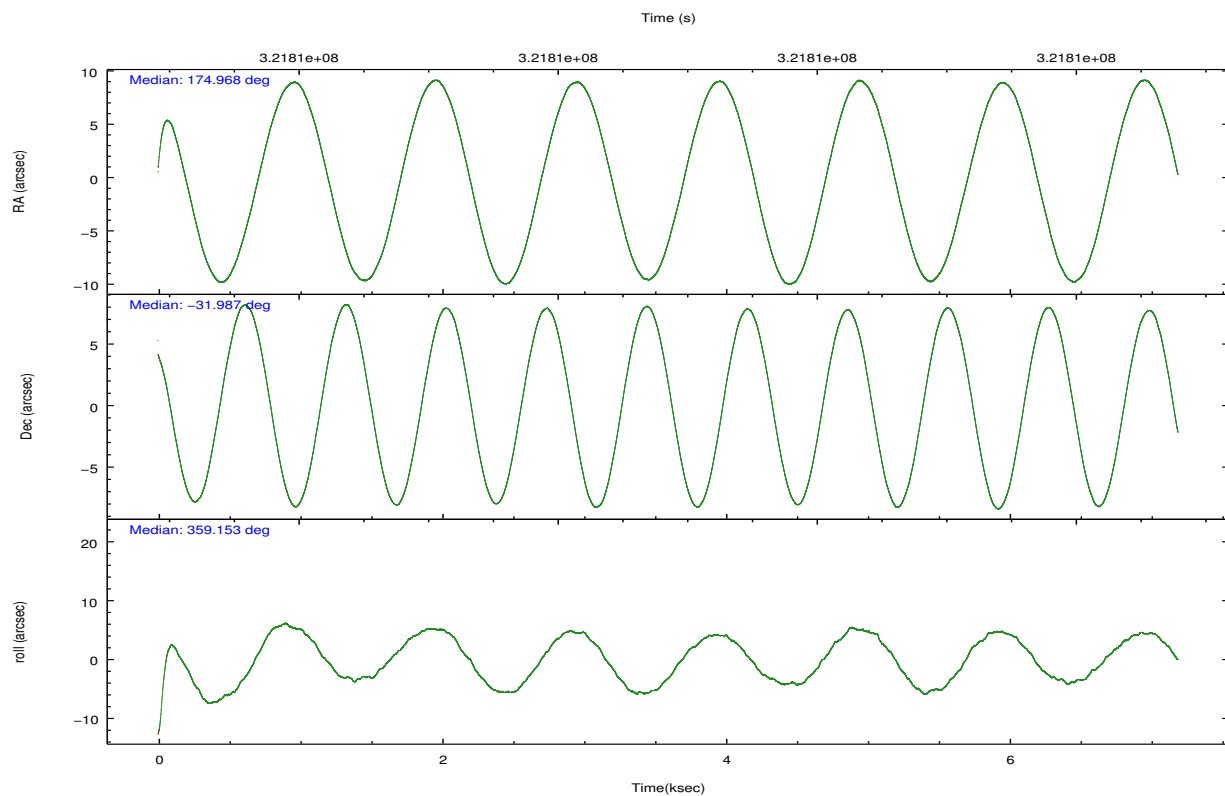
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	76394	71525	122714	74739	105943	99014	grade 0 events	3884	3955	8675	3726	3746	7301
rejected events	68352	63531	70843	65712	66608	79149		5%	5%	7%	4%	3%	7%
rejected %	89%	88%	57%	87%	62%	79%	grade 1 events	46	52	229	45	109	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	1915	1712	17049	2693	9076	4917
								2%	2%	13%	3%	8%	4%
							grade 3 events	829	833	1960	888	3724	2282
								1%	1%	1%	1%	3%	2%
							grade 4 events	828	850	1832	852	3695	2176
								1%	1%	1%	1%	3%	2%
							grade 5 events	3192	3457	8640	3601	9938	4855
								4%	4%	7%	4%	9%	4%
							grade 6 events	1549	1587	28578	1945	23839	5718
								2%	2%	23%	2%	22%	5%
							grade 7 events	64151	59079	55751	60989	51816	71674
								83%	82%	45%	81%	48%	72%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	174.939884	174.9678572310122	CCD I2 on	O1	Y
[deg] Pointing Dec	-32.000330	-31.98665391483622	CCD I3 on	O2	Y
[deg] Pointing Roll	358.987799	359.1592238191629	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	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)	321807445.184000	321805938.28223	CCD S5 on	N	N
Observation start date	2008-03-13T14:56:20	2008-03-13T14:32:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	321814445.184000	321815639.3952	On-chip summing requested	N	N
Observation end date	2008-03-13T16:53:00	2008-03-13T17:13:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



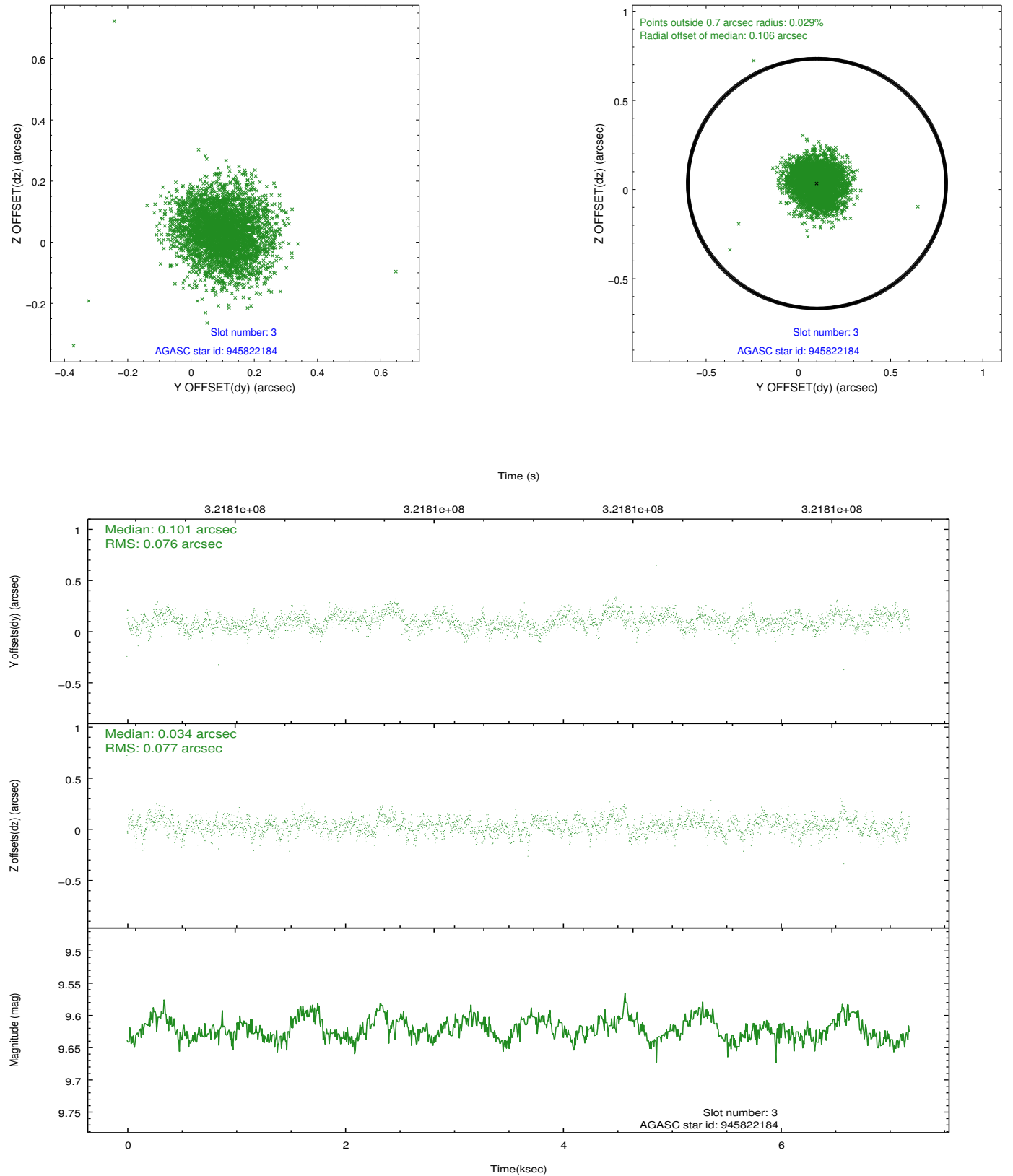


Slot Statistics

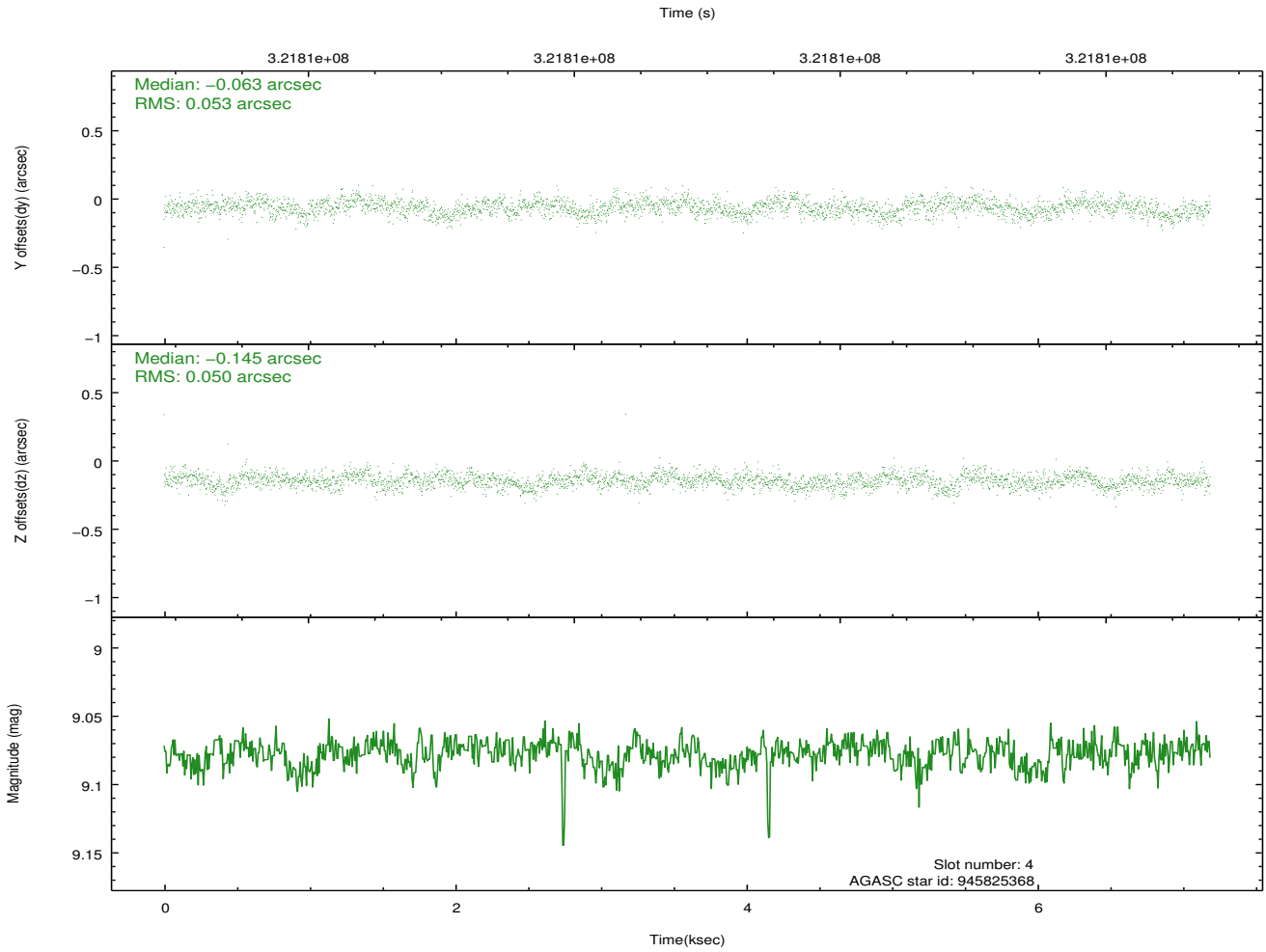
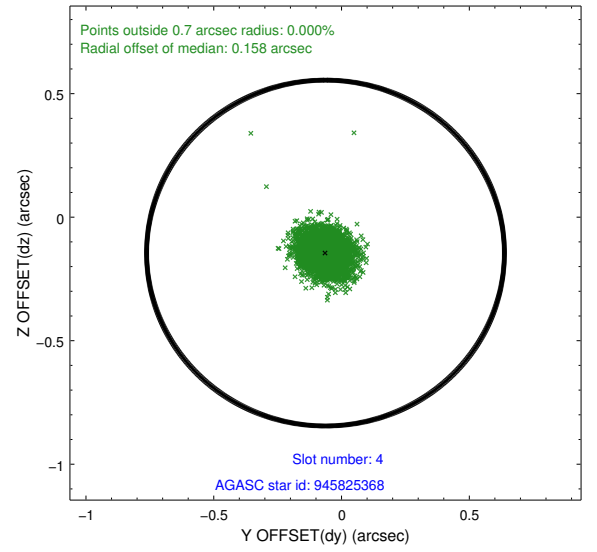
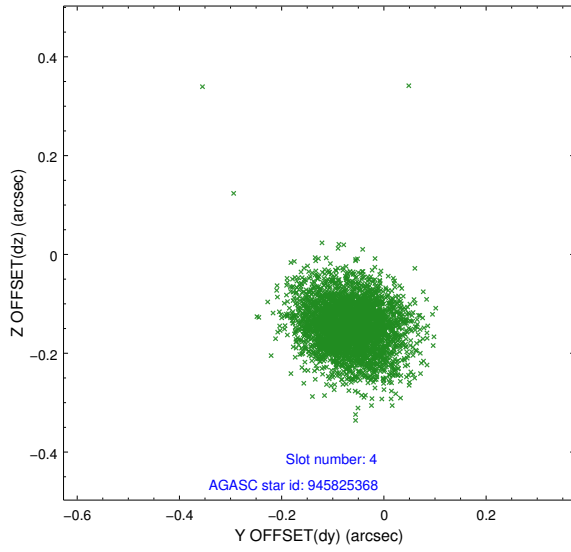
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1754	-0.040	-0.056	0.007	0.011	0.000000	0.000000	-765.93	-1735.22
1	FID	ACIS-S-4	7.19	1754	0.160	0.035	0.008	0.017	0.000000	0.000000	2147.17	172.53
2	FID	ACIS-S-5	7.23	1754	-0.151	0.031	0.008	0.012	0.000000	0.000000	-1817.87	167.10
3	GUIDE	945822184	9.62	3503	0.101	0.034	0.114	0.184	174.928936	-31.558746	-61.62	1589.04
4	GUIDE	945825368	9.08	3507	-0.063	-0.145	0.075	0.125	174.226141	-31.754352	-2200.09	839.85
5	GUIDE	946340000	8.42	3502	-0.203	0.046	0.065	0.105	175.464776	-32.554870	1627.36	-1971.20
6	GUIDE	946341392	8.18	3506	0.069	0.035	0.075	0.123	174.236848	-32.481992	-2103.35	-1779.66
7	GUIDE	946340064	9.63	3488	0.107	0.030	0.107	0.169	175.294222	-32.143633	1088.57	-498.63

2.4 Star Slots

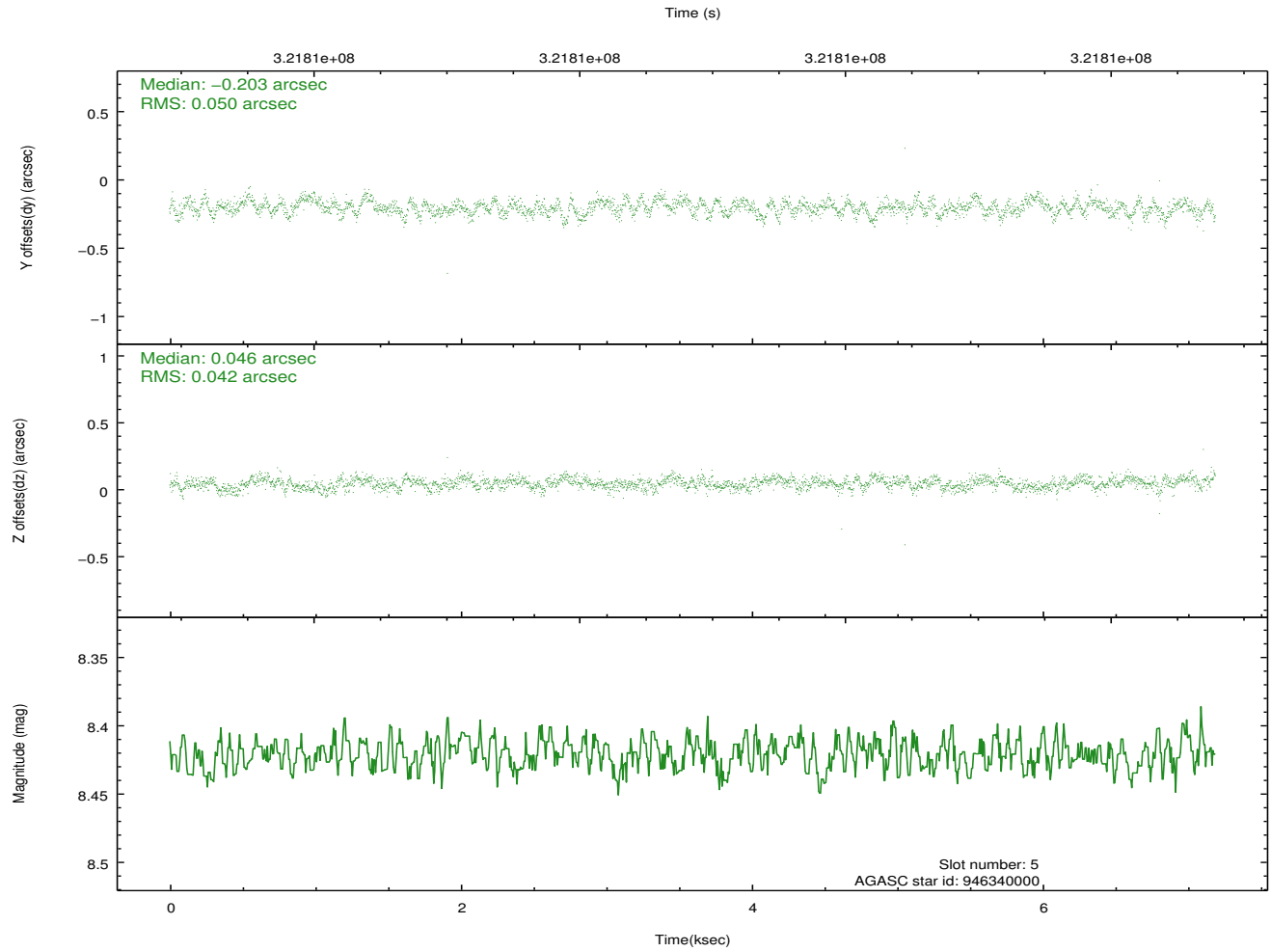
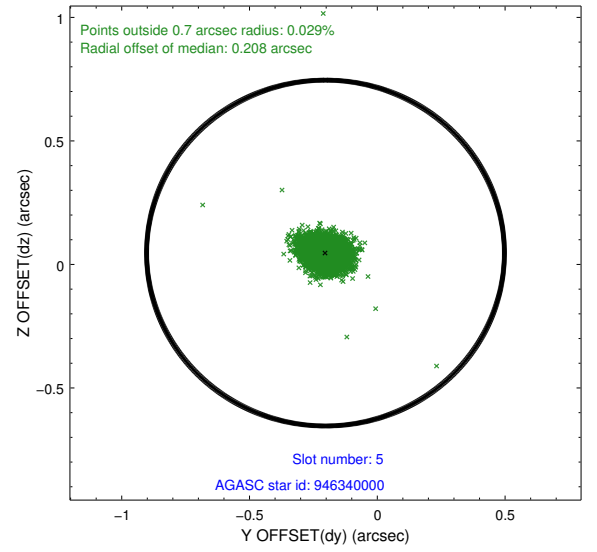
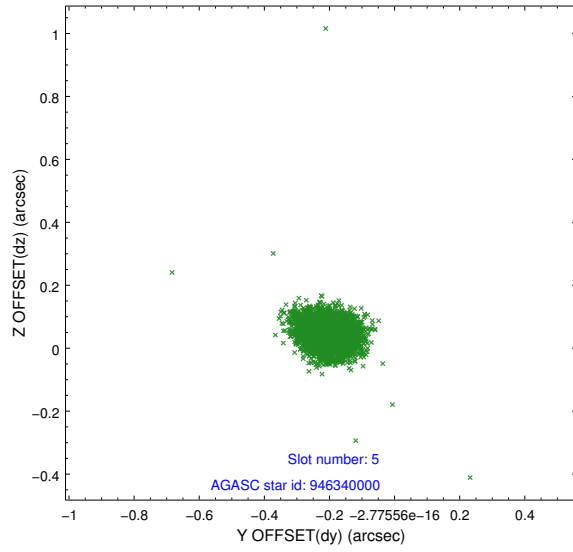
2.4.1 Slot 3



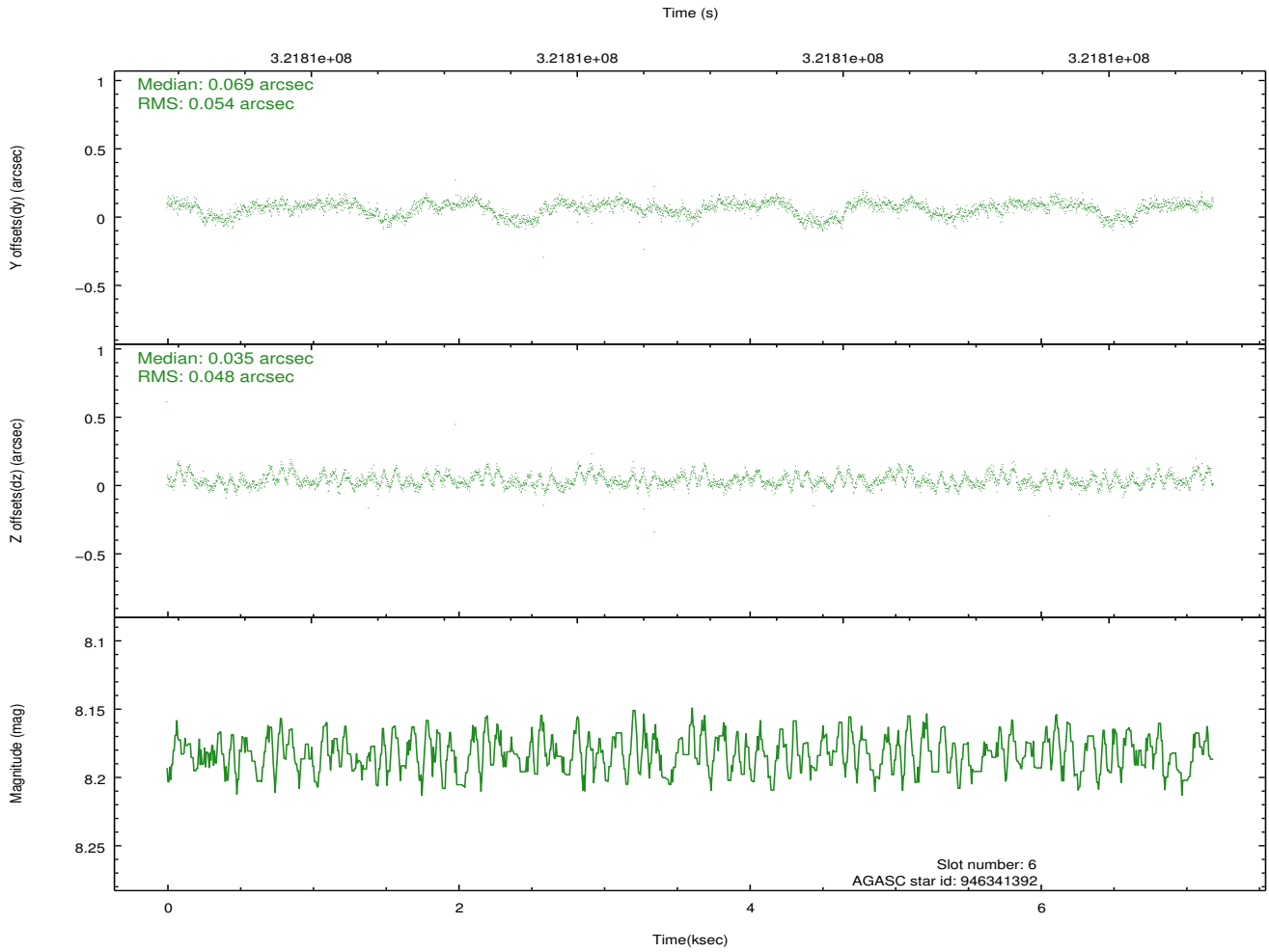
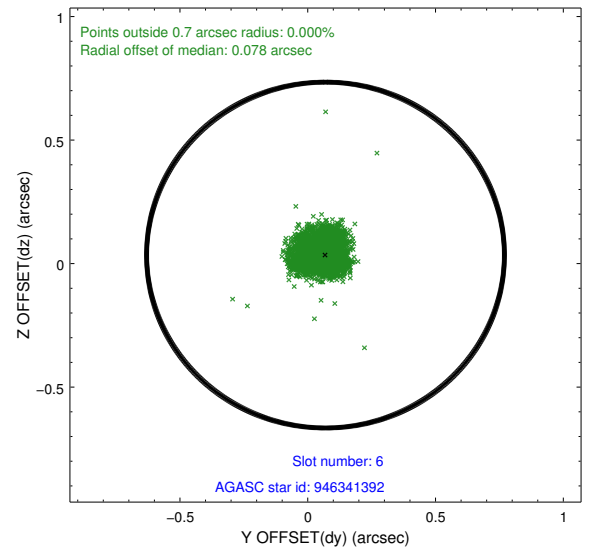
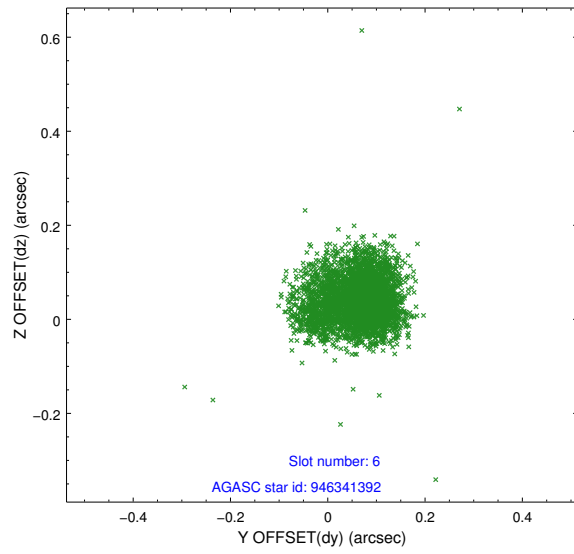
2.4.2 Slot 4



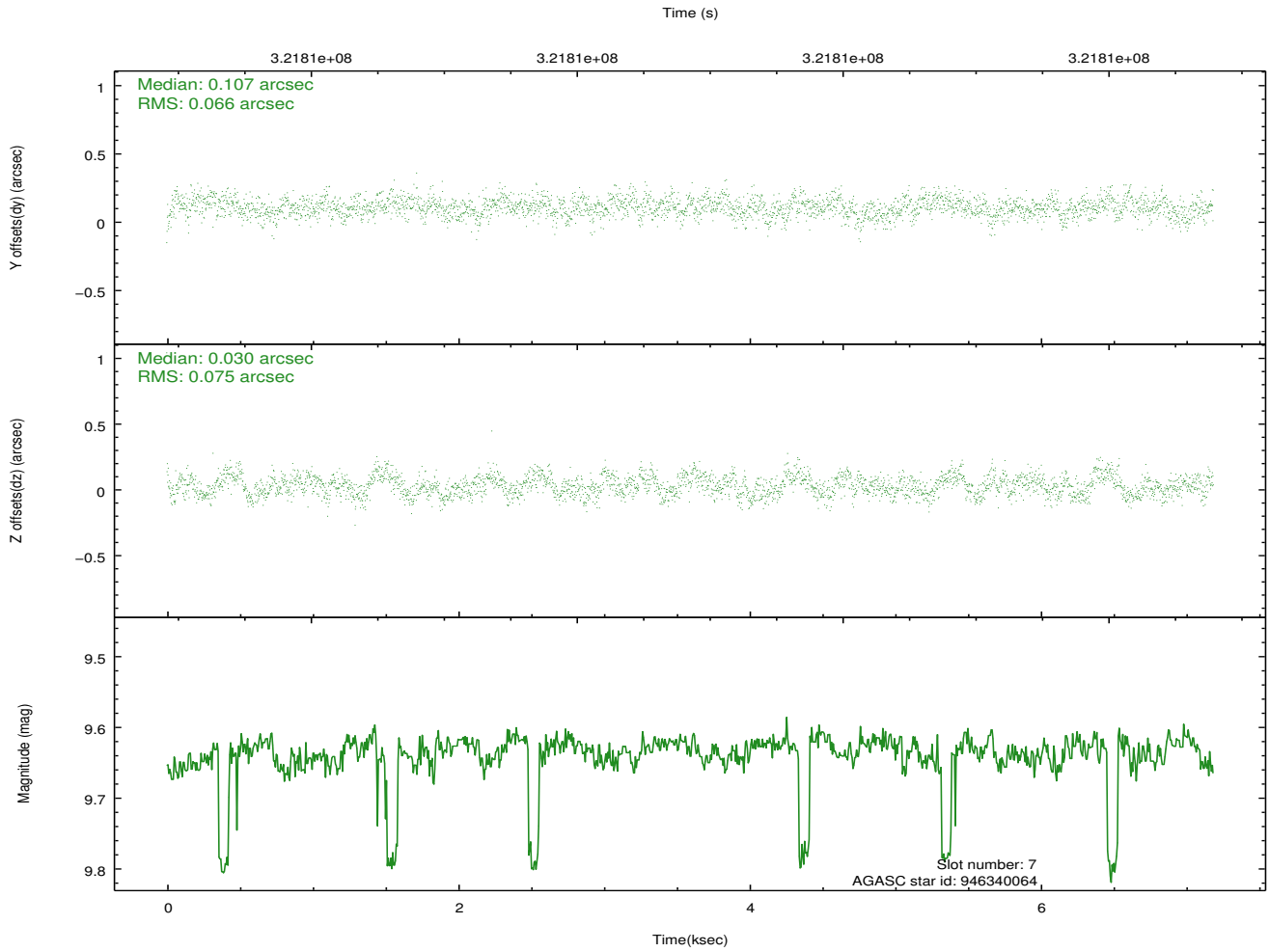
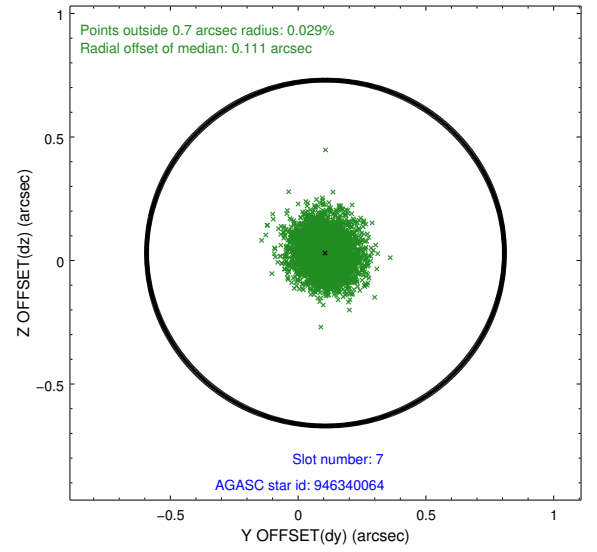
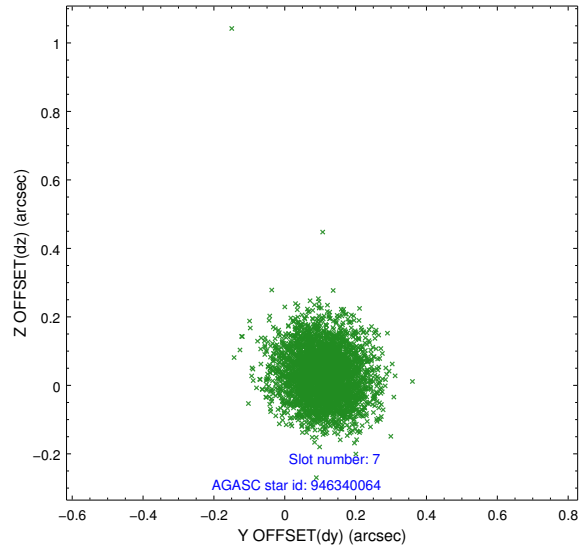
2.4.3 Slot 5



2.4.4 Slot 6

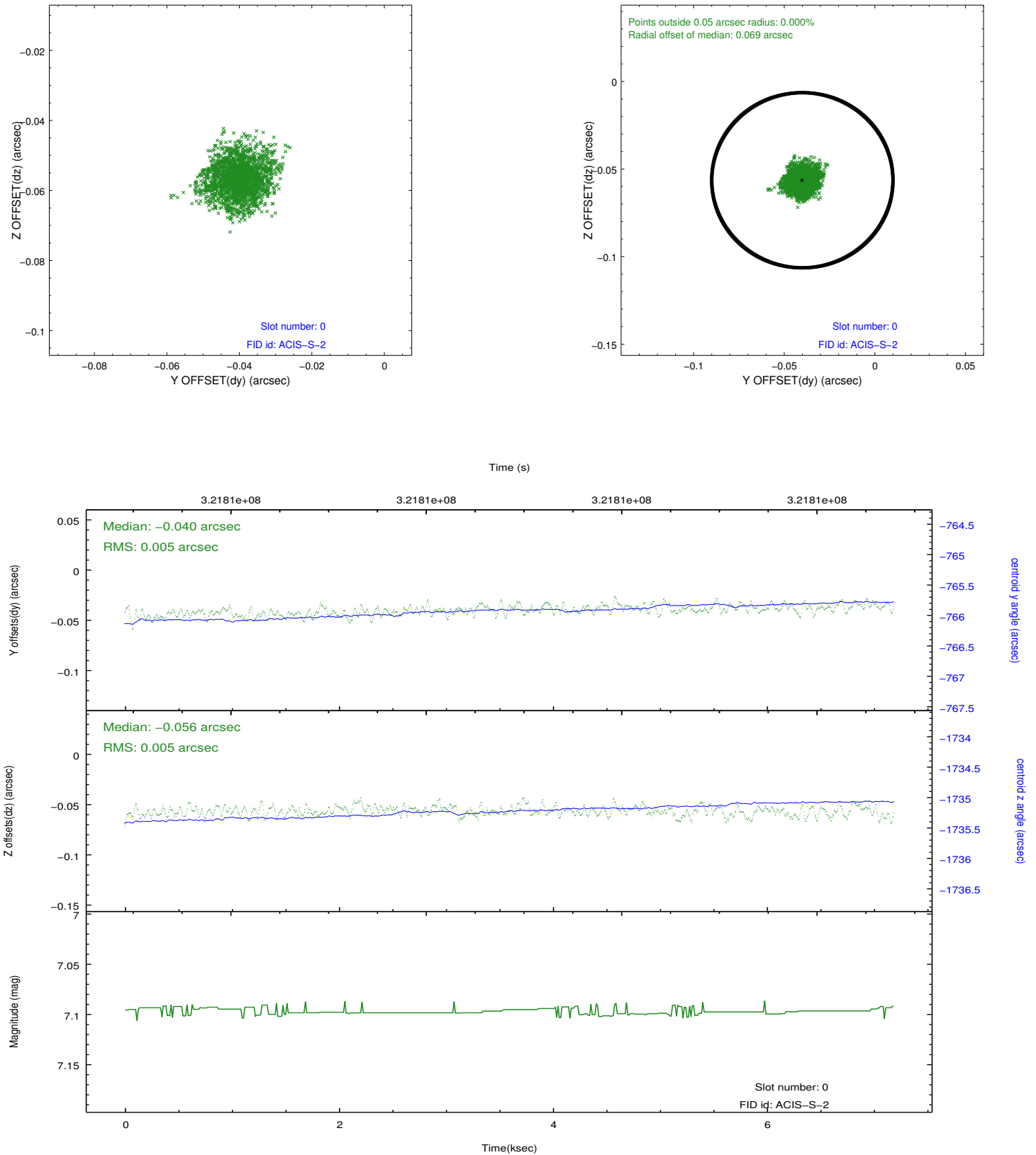


2.4.5 Slot 7

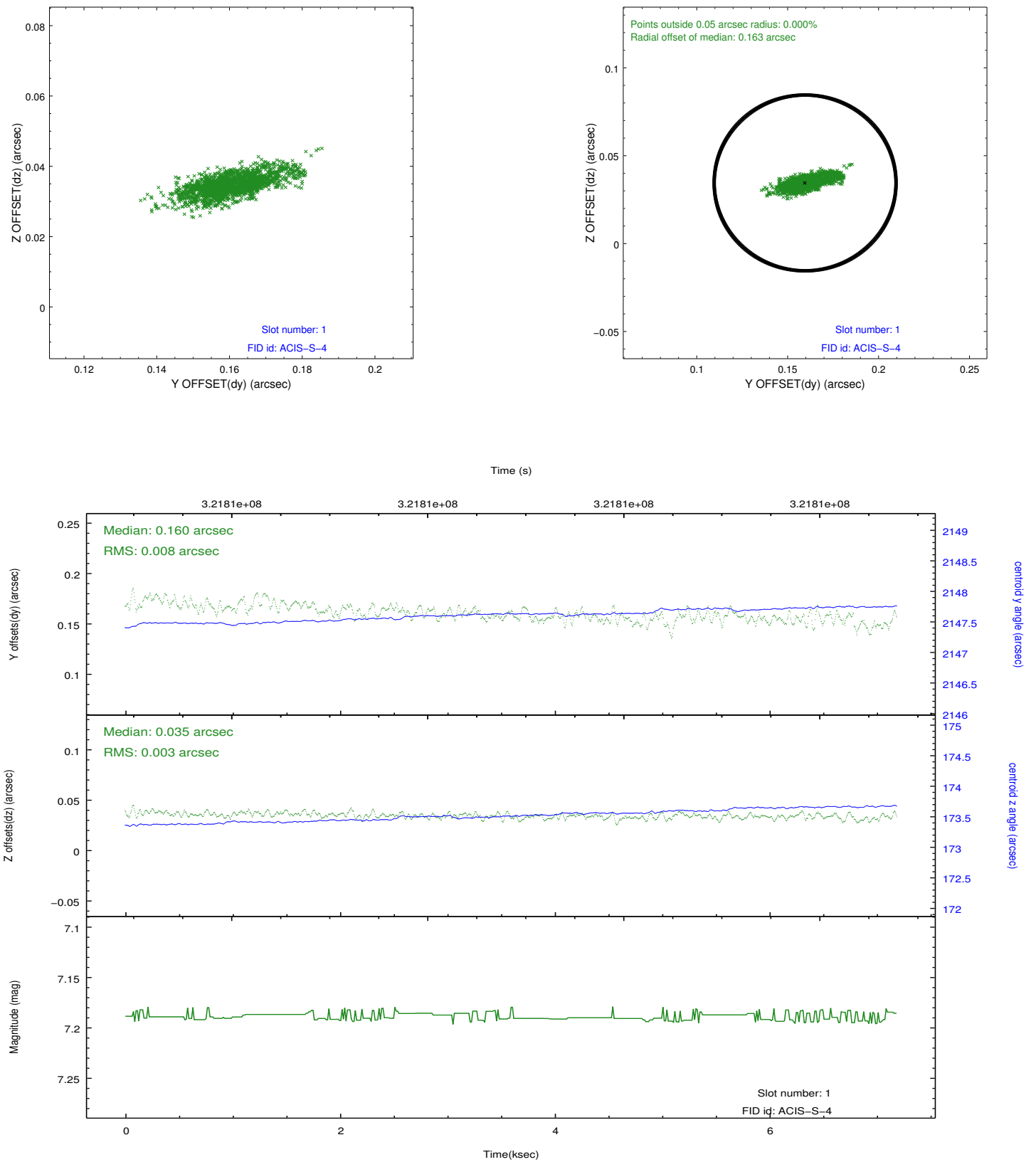


2.5 FID Slots

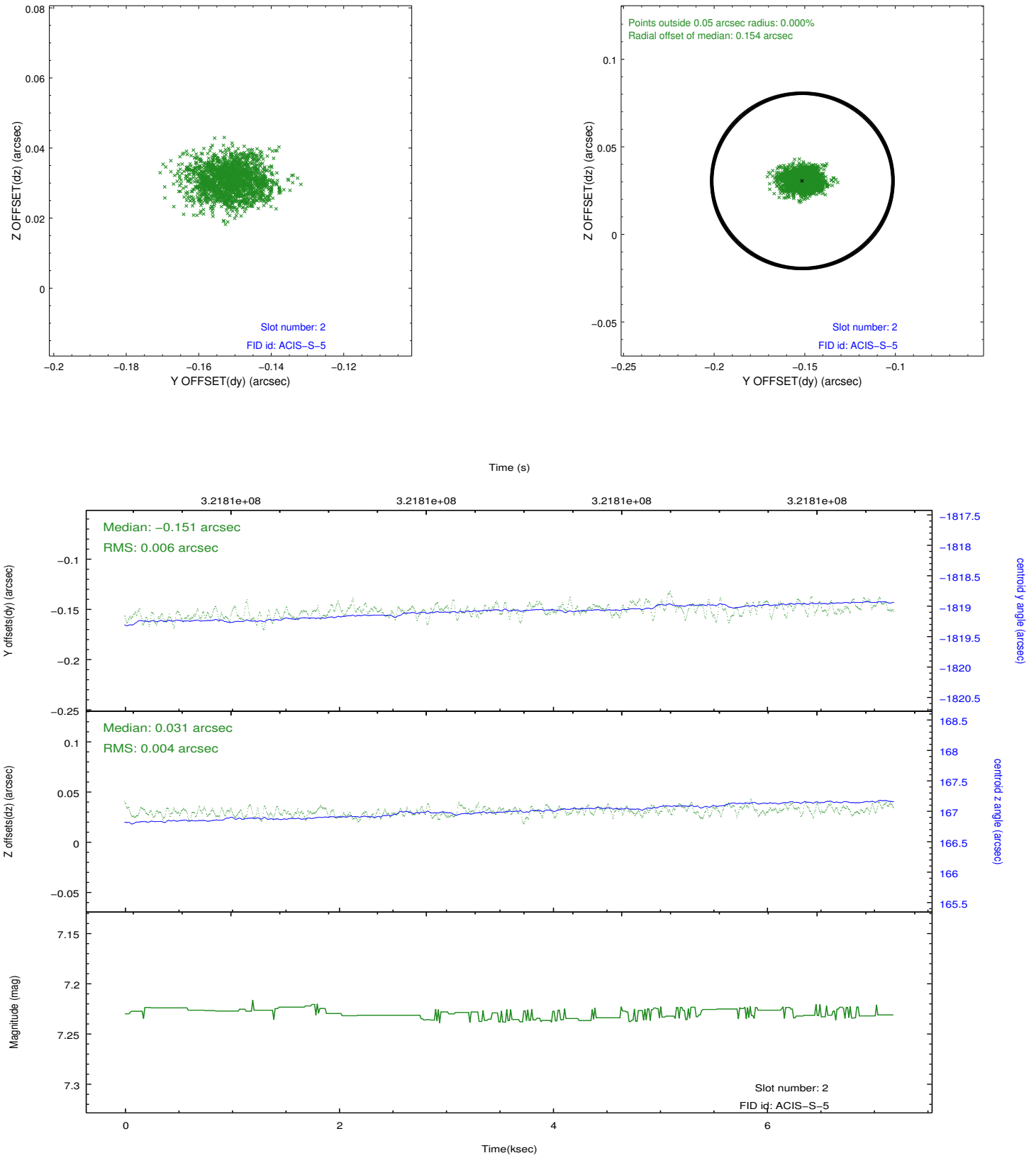
2.5.1 Slot 0



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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.18079997

A.2 Comments