

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8812 - L2 Version 2
Chandra X-Ray Center

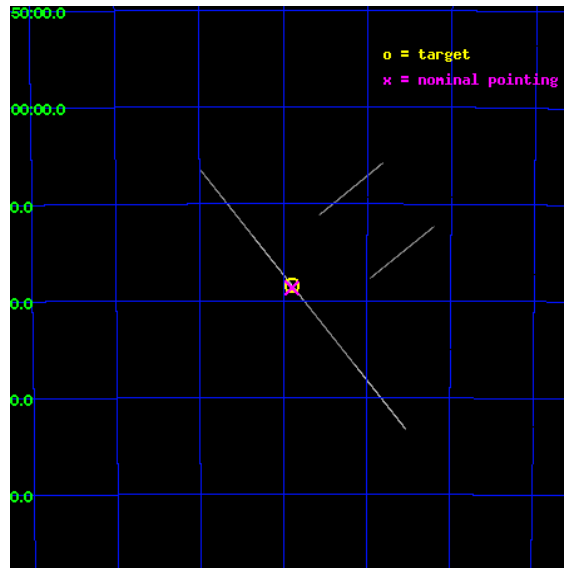
L2 Processing Date : May 22 2012

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1 Front

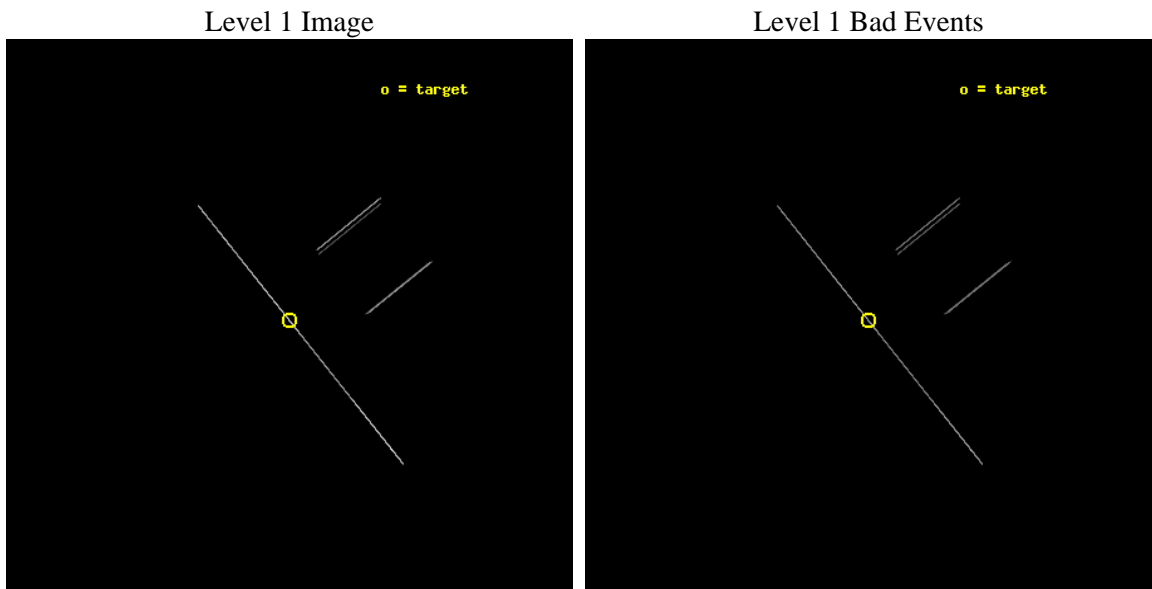
seq_num	500861	Sequence number
obs_id	8812	Observation id
title	TINY HICCUPS TO TITANIC EXPLOSIONS: Tackling Transients in Anomalous X-ray Pulsars	Proposal title
observer	Professor Victoria Kaspi	Principal investigator
object	1E 1547.0-5408	Source name
ra_targ	237.725417	Observer's specified target RA [deg]
dec_targ	-54.306583	Observer's specified target Dec [deg]
ra_nom	237.7244279723	Nominal RA [deg]
dec_nom	-54.311403872903	Nominal Dec [deg]
roll_nom	231.21862310767	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15125.25	Sum of GTIs [s]
livetime	15066.166992188	Livetime [s]
ontime2	15125.25	Sum of GTIs [s]
ontime3	15125.25	Sum of GTIs [s]
ontime5	15125.25	Sum of GTIs [s]
ontime6	15125.25	Sum of GTIs [s]
ontime7	15125.25	Sum of GTIs [s]
ontime8	15125.25	Sum of GTIs [s]
l2events	303138	Number of level 2 events



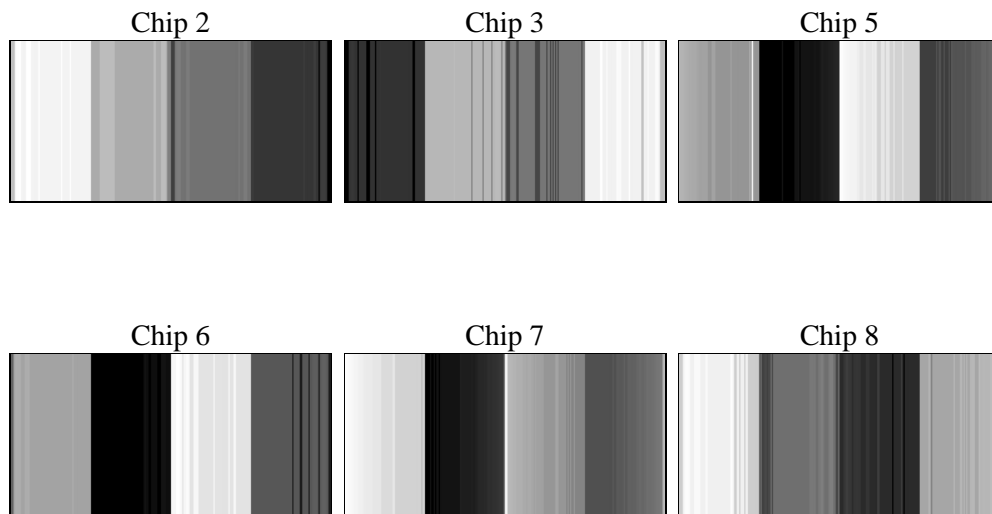
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15125.25	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15125.25	Sum of GTIs [s]
date	2012-05-22T10:40:04	Date and time of file creation	ontime3	15125.25	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15125.25	Sum of GTIs [s]
			ontime6	15125.25	Sum of GTIs [s]
			ontime7	15125.25	Sum of GTIs [s]
			ontime8	15125.25	Sum of GTIs [s]
			l1events	481117	Number of level 1 events

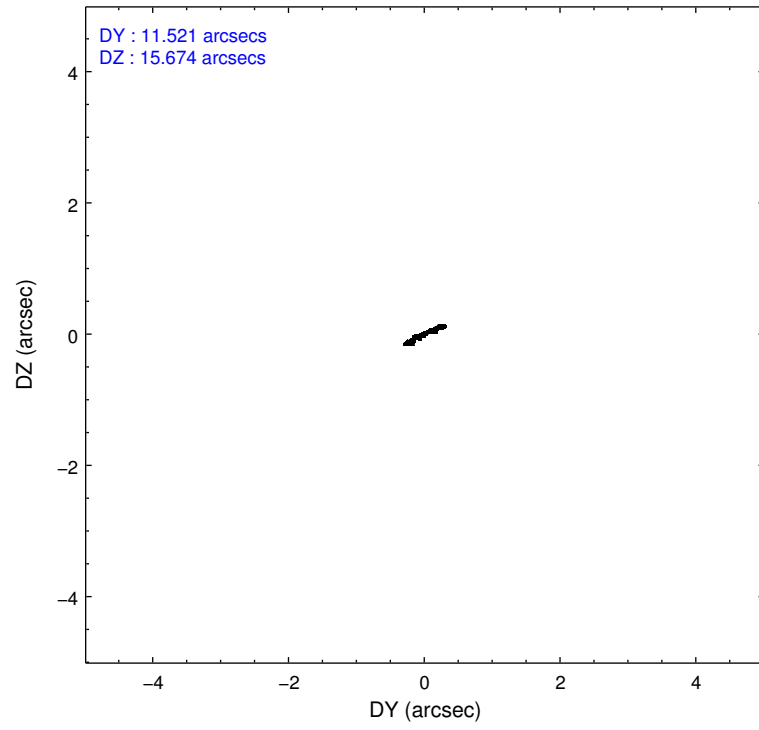
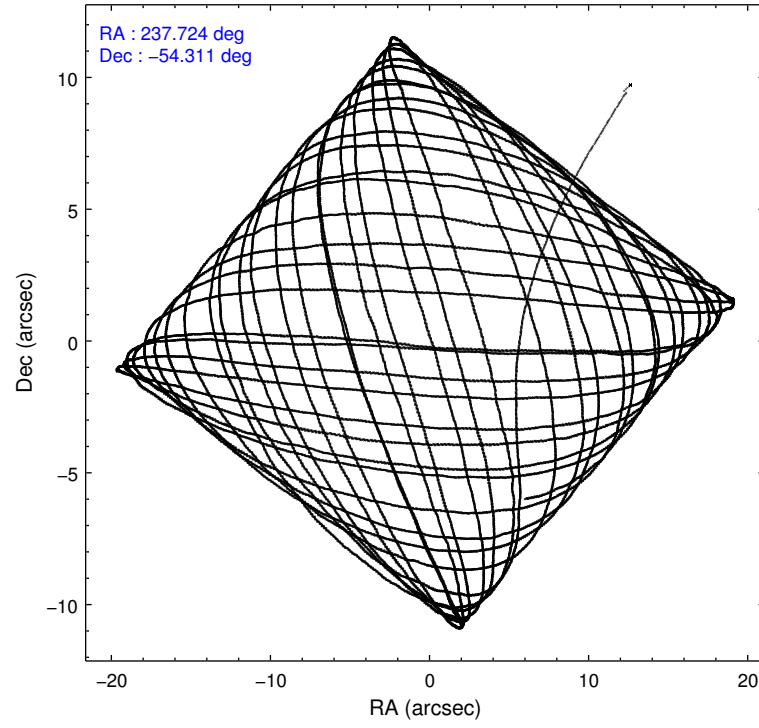
2.1.4 Events

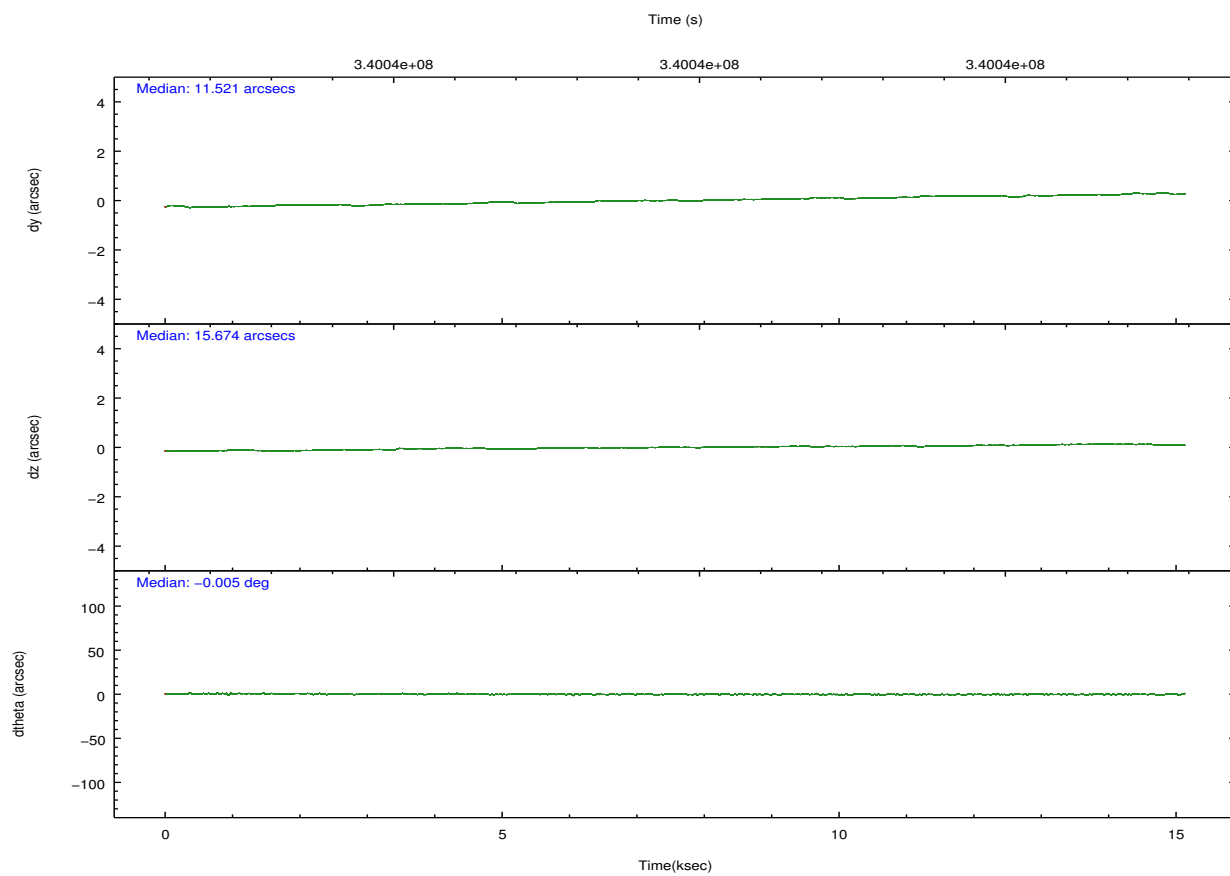
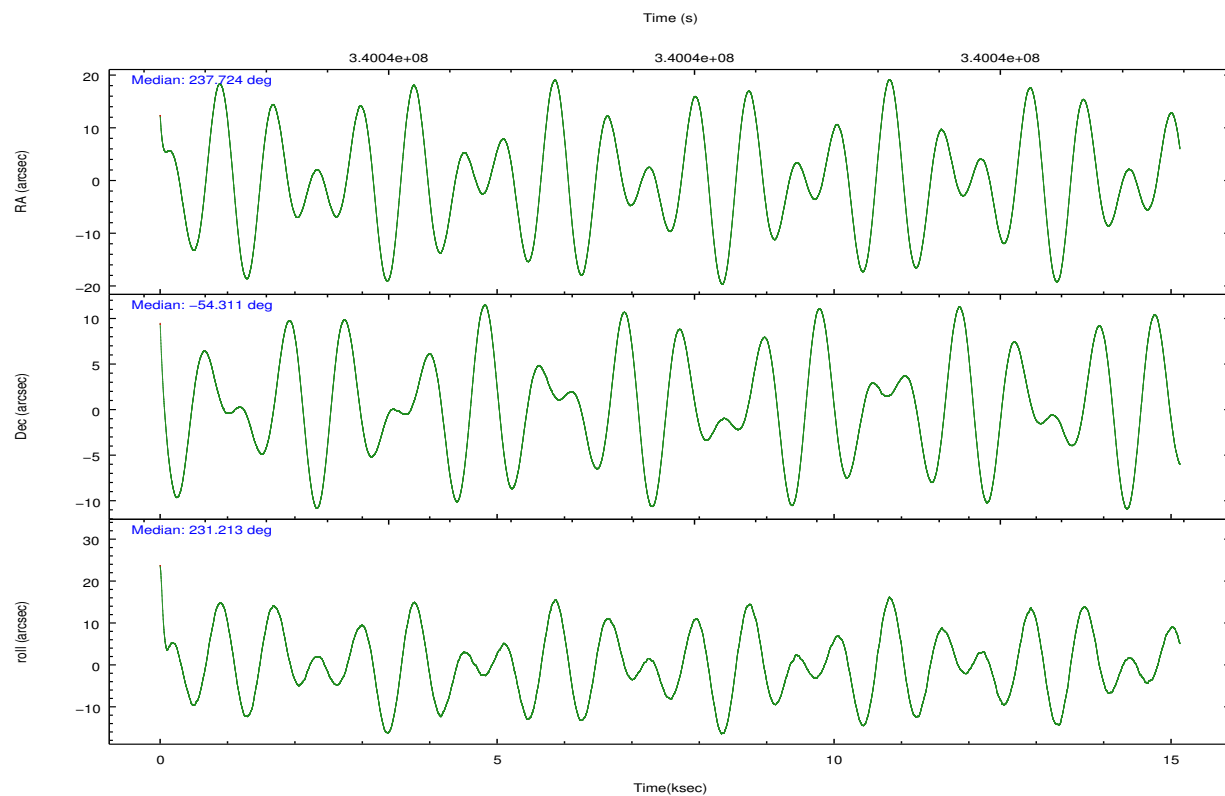
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34076	36882	161237	37026	132505	79391	grade 0 events	4063	4142	27904	3714	11194	13790
rejected events	8643	9635	28046	10018	25567	16228		11%	11%	17%	10%	8%	17%
rejected %	25%	26%	17%	27%	19%	20%	grade 1 events	150	168	299	133	266	273
								0%	0%	0%	0%	0%	0%
							grade 2 events	10888	11793	42714	11691	30095	21948
								31%	31%	26%	31%	22%	27%
							grade 3 events	3365	3817	2917	3482	7838	7459
								9%	10%	1%	9%	5%	9%
							grade 4 events	3403	3302	2850	3360	7872	7110
								9%	8%	1%	9%	5%	8%
							grade 5 events	6198	7050	15416	7365	17550	10477
								18%	19%	9%	19%	13%	13%
							grade 6 events	6009	6610	69137	7281	57690	18334
								17%	17%	42%	19%	43%	23%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	237.730910	237.7244279722985	CCD I2 on	O2	Y
[deg] Pointing Dec	-54.284320	-54.31140387290256	CCD I3 on	O3	Y
[deg] Pointing Roll	231.067256	231.2186231076655	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)	340032164.184000	340030673.15846	CCD S5 on	N	N
Observation start date	2008-10-10T13:21:39	2008-10-10T12:57:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	340047164.184000	340048051.52181	On-chip summing requested	N	N
Observation end date	2008-10-10T17:31:39	2008-10-10T17:47:31	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



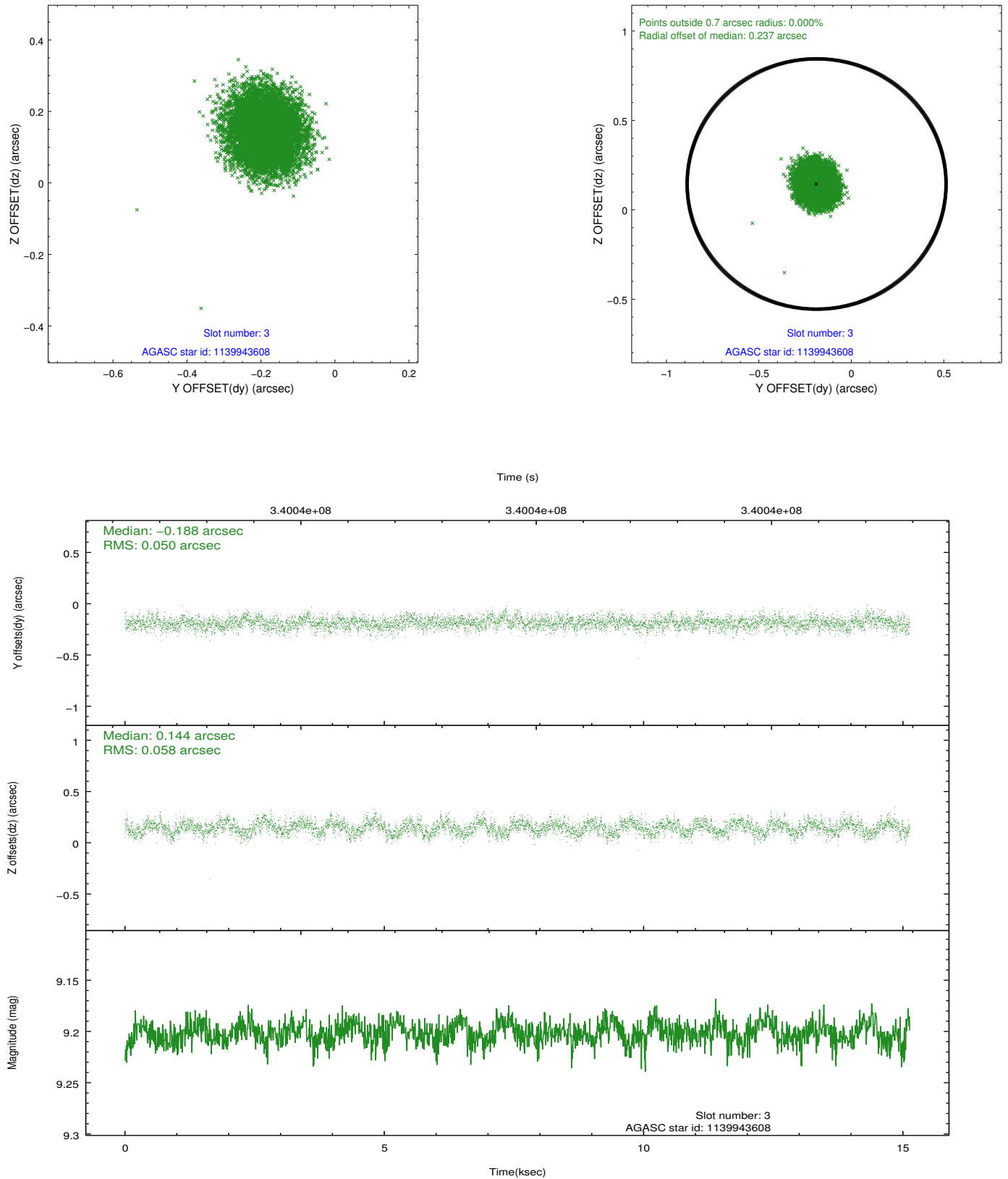


Slot Statistics

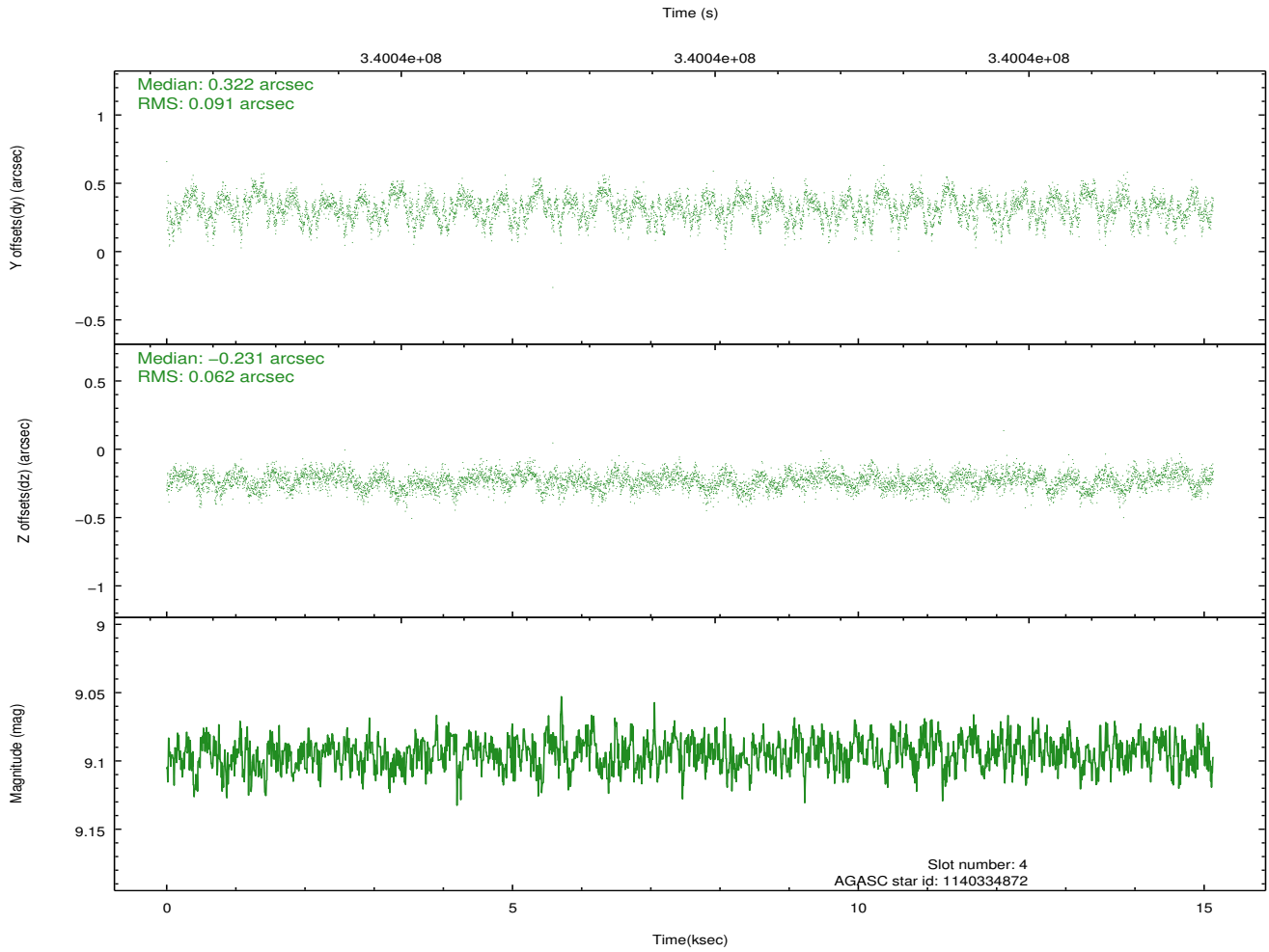
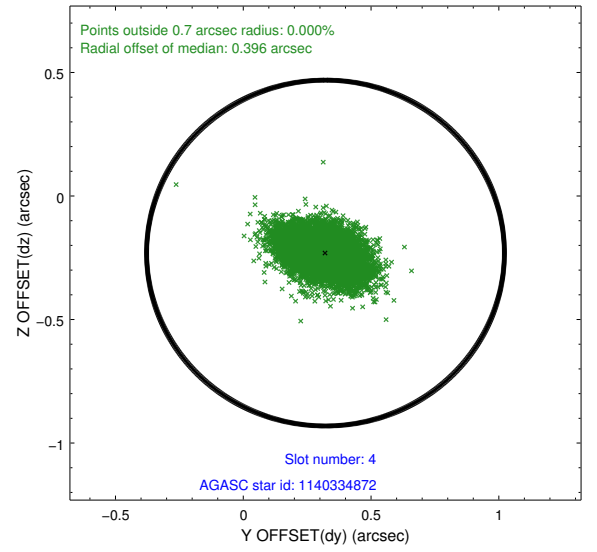
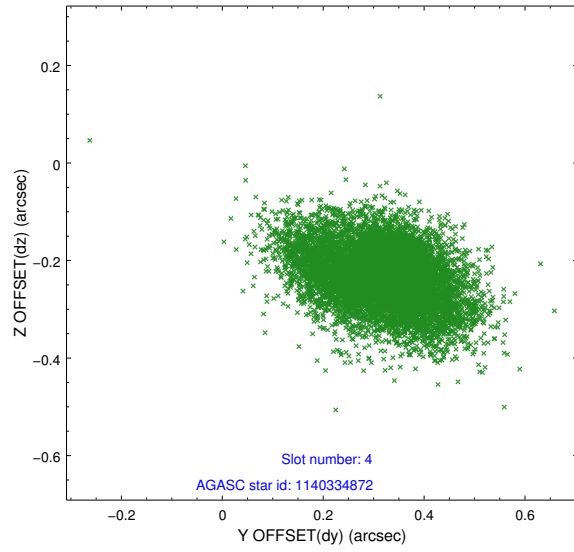
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	3691	-0.048	-0.009	0.007	0.012	0.000000	0.000000	-764.43	-1737.03
1	FID	ACIS-S-4	6.96	3691	0.122	0.026	0.007	0.014	0.000000	0.000000	2148.86	171.20
2	FID	ACIS-S-5	6.98	3691	-0.105	-0.008	0.007	0.011	0.000000	0.000000	-1816.97	165.14
3	GUIDE	1139943608	9.20	7376	-0.188	0.144	0.082	0.129	238.761095	-54.002426	-2146.84	1067.97
4	GUIDE	1140334872	9.09	7376	0.322	-0.231	0.116	0.191	236.234092	-54.377223	2258.82	-2209.90
5	GUIDE	1140462520	8.13	7308	0.056	-0.035	0.079	0.118	237.718666	-54.642458	1019.49	790.28
6	GUIDE	1139945912	9.14	7354	-0.027	0.127	0.084	0.138	238.361289	-54.201826	-1060.26	849.99
7	GUIDE	1139941688	9.16	7379	-0.150	-0.008	0.090	0.150	238.371800	-54.158507	-1196.07	770.53

2.4 Star Slots

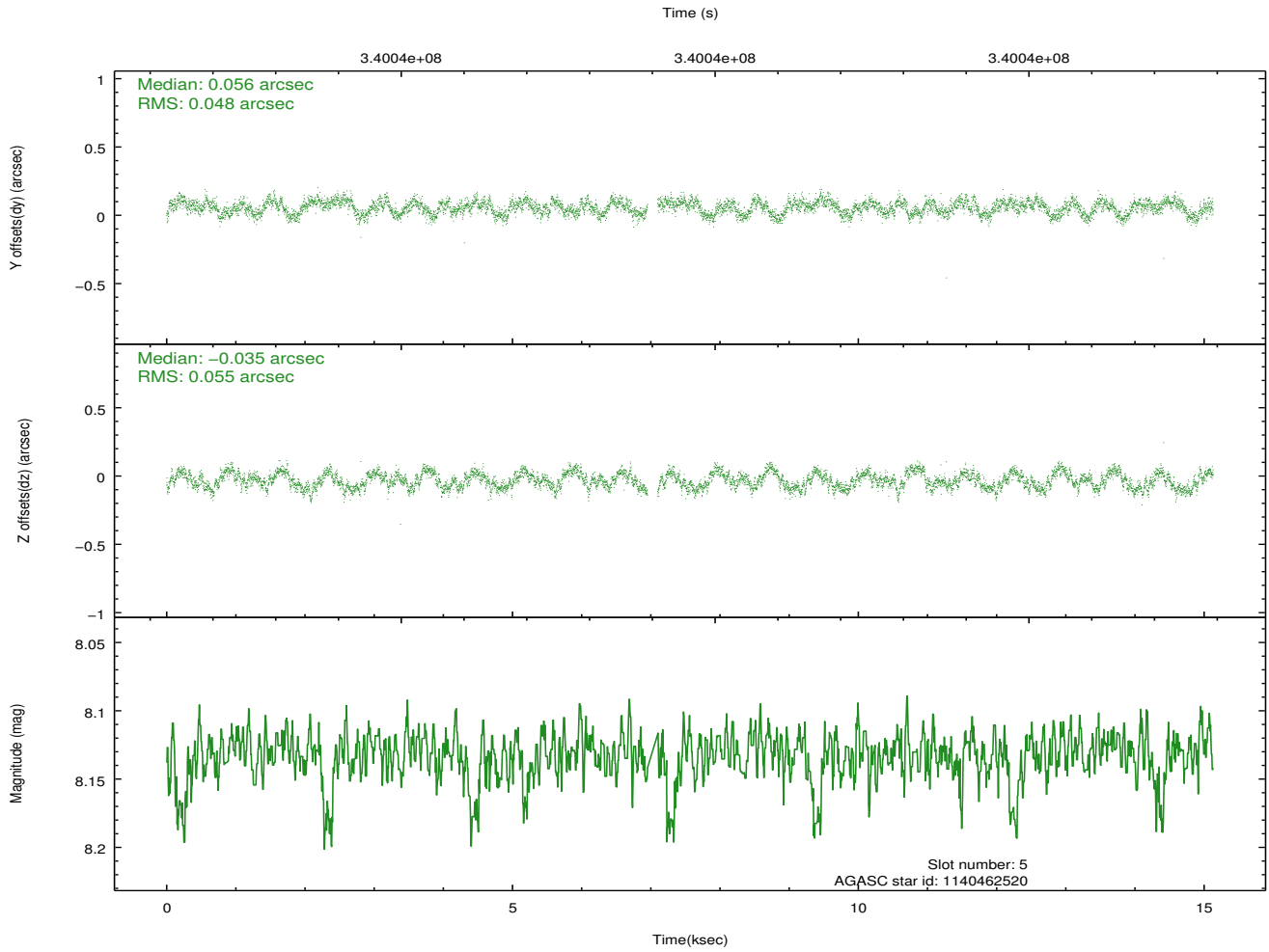
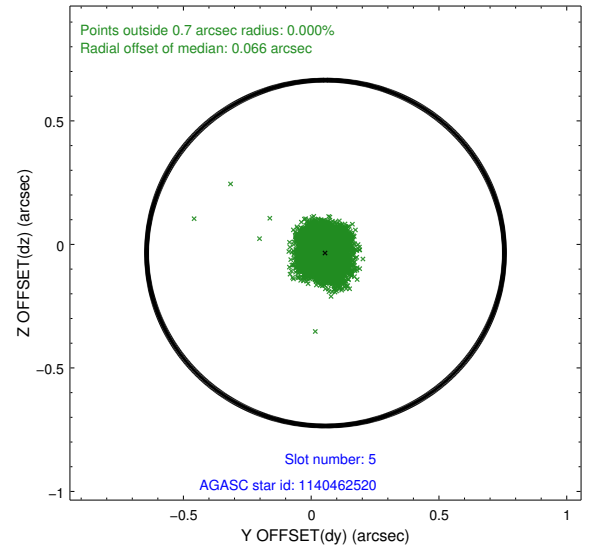
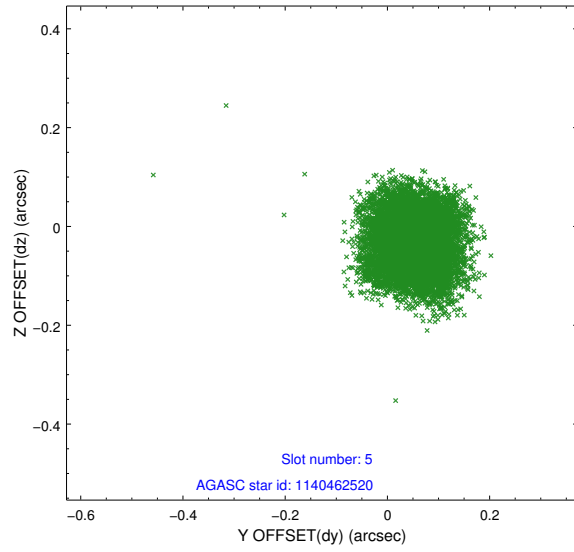
2.4.1 Slot 3



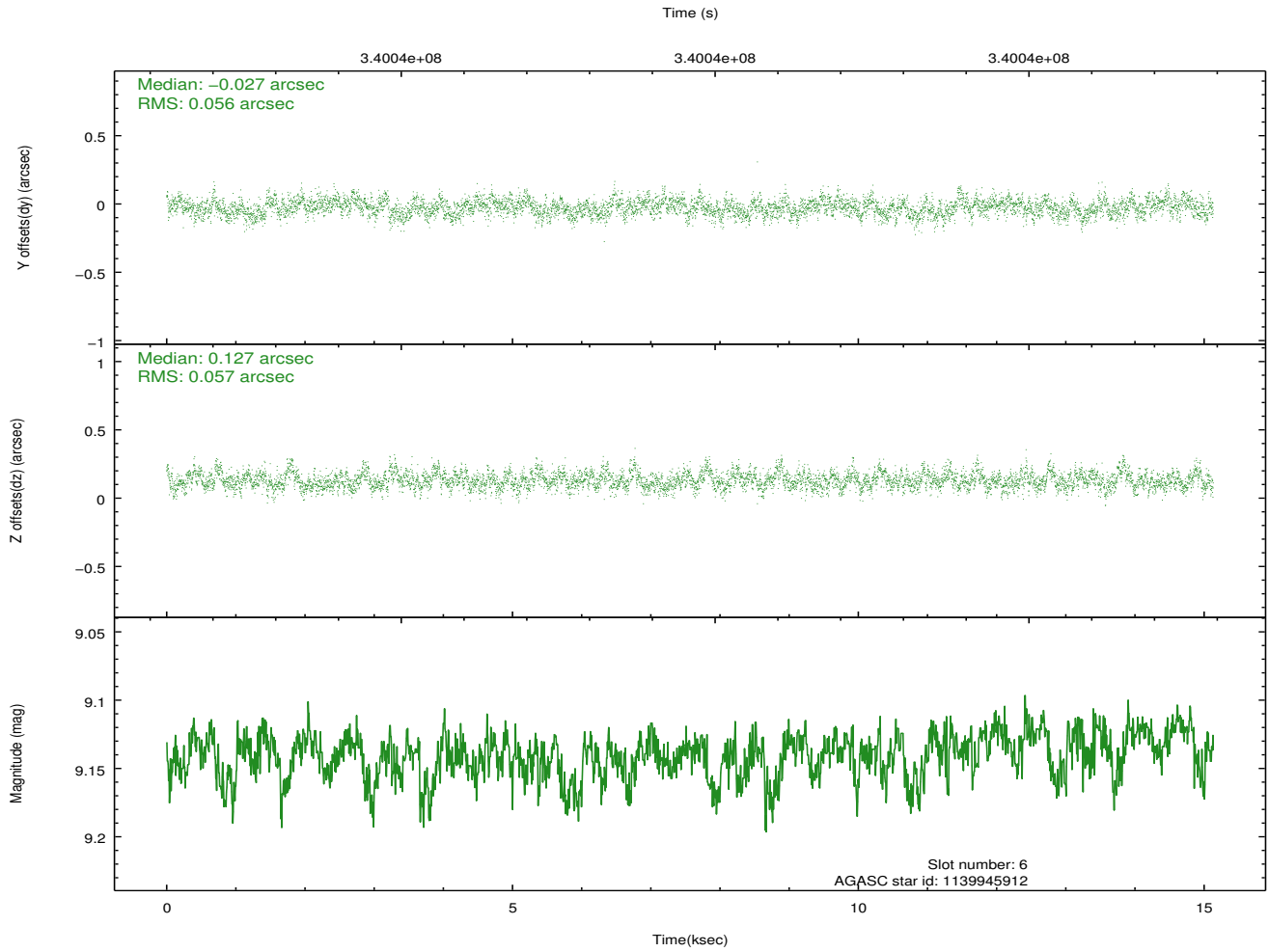
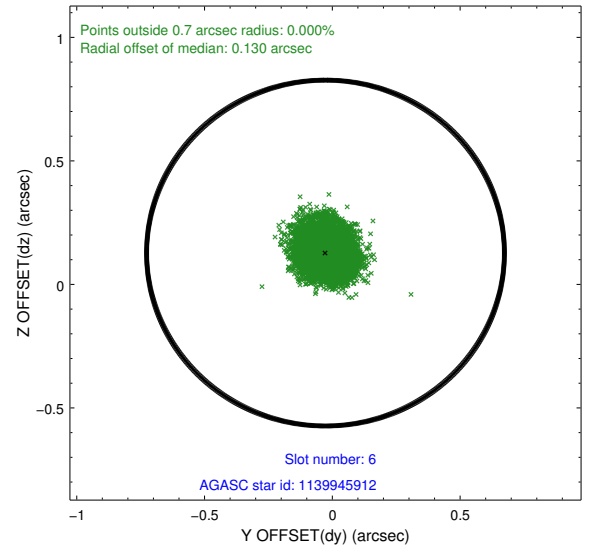
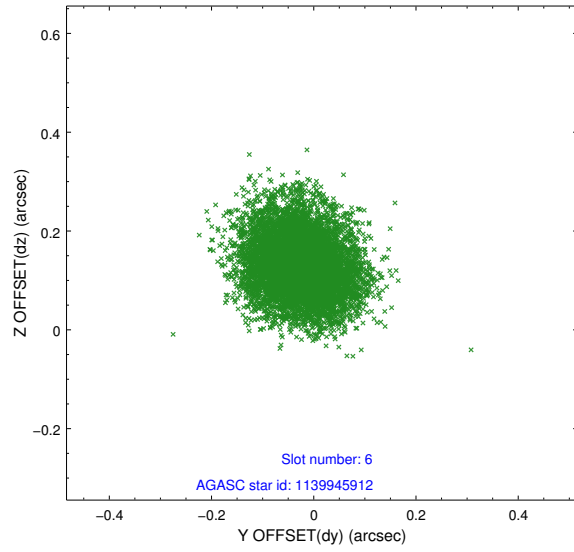
2.4.2 Slot 4



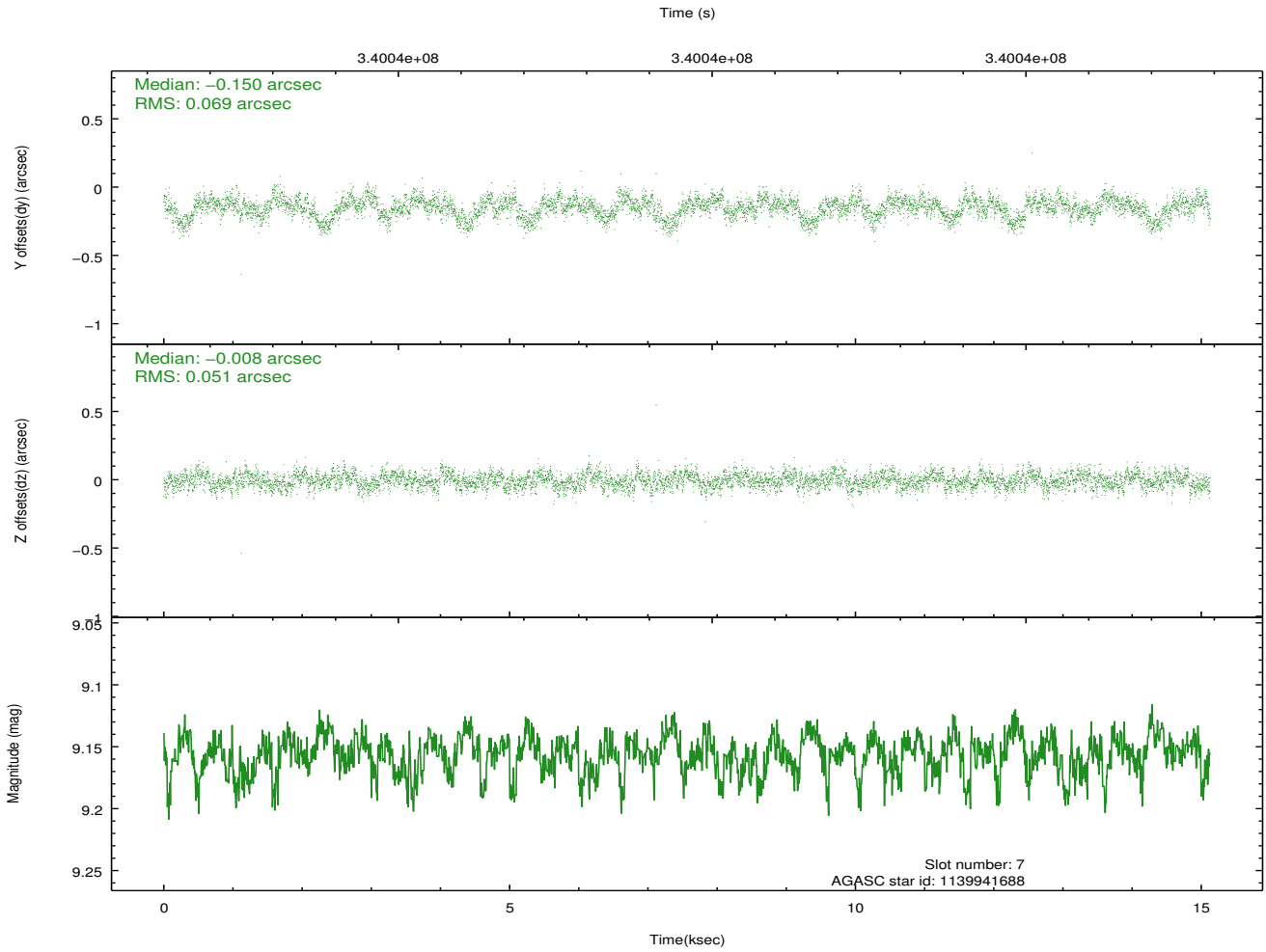
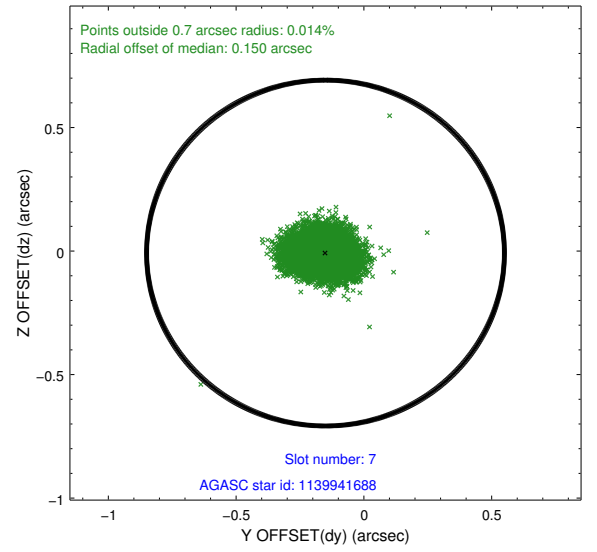
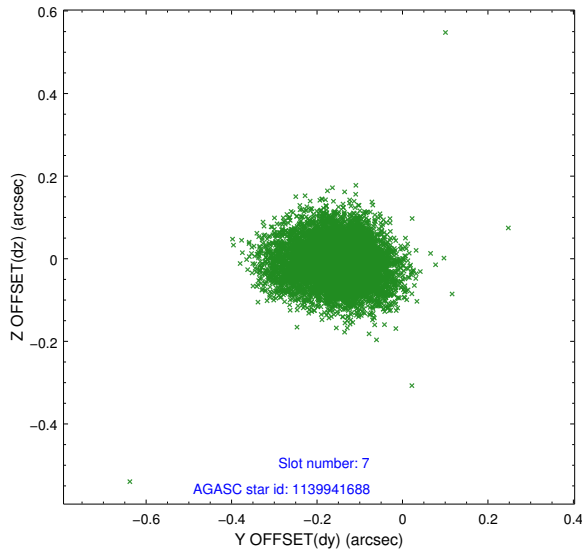
2.4.3 Slot 5



2.4.4 Slot 6

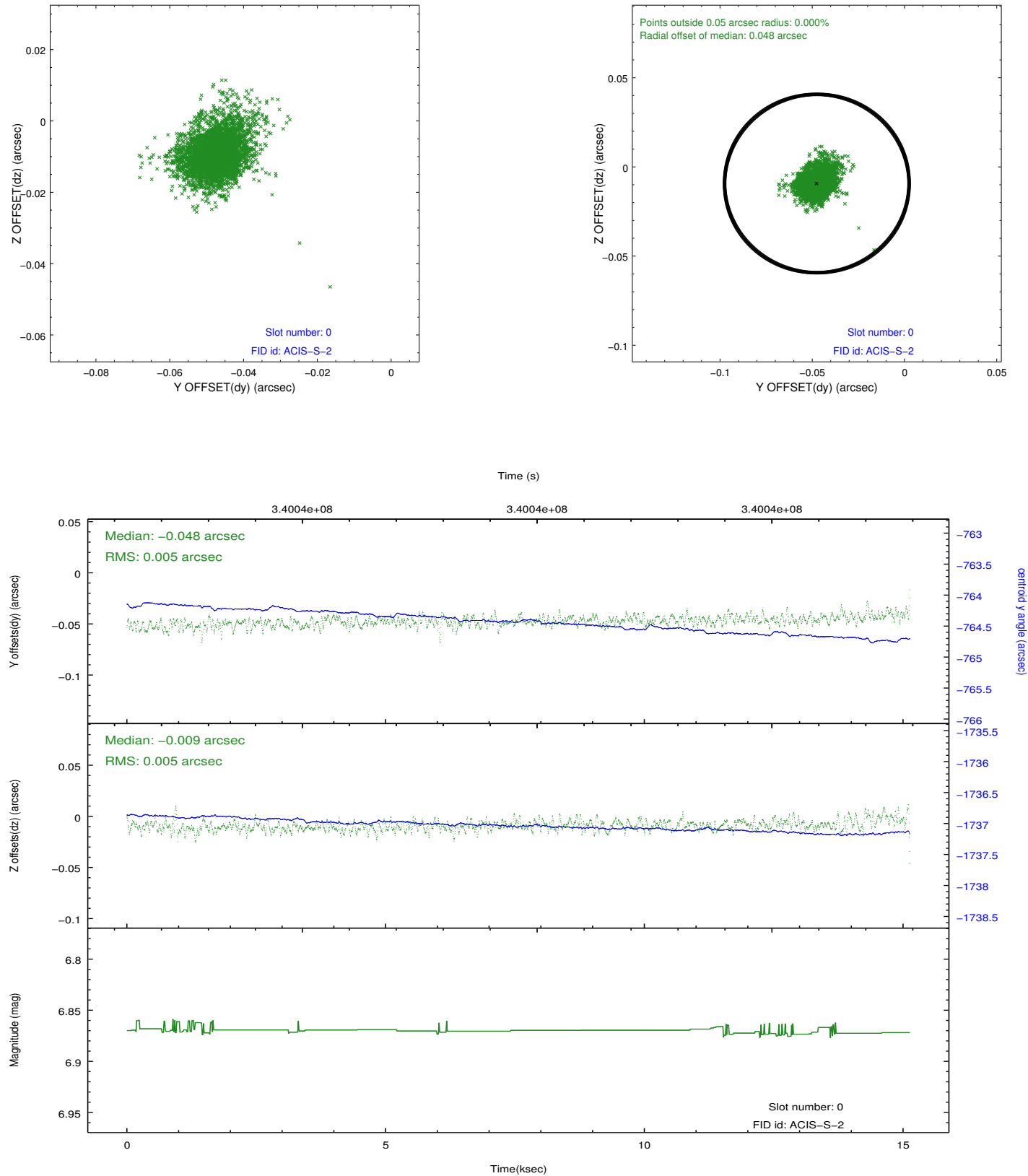


2.4.5 Slot 7

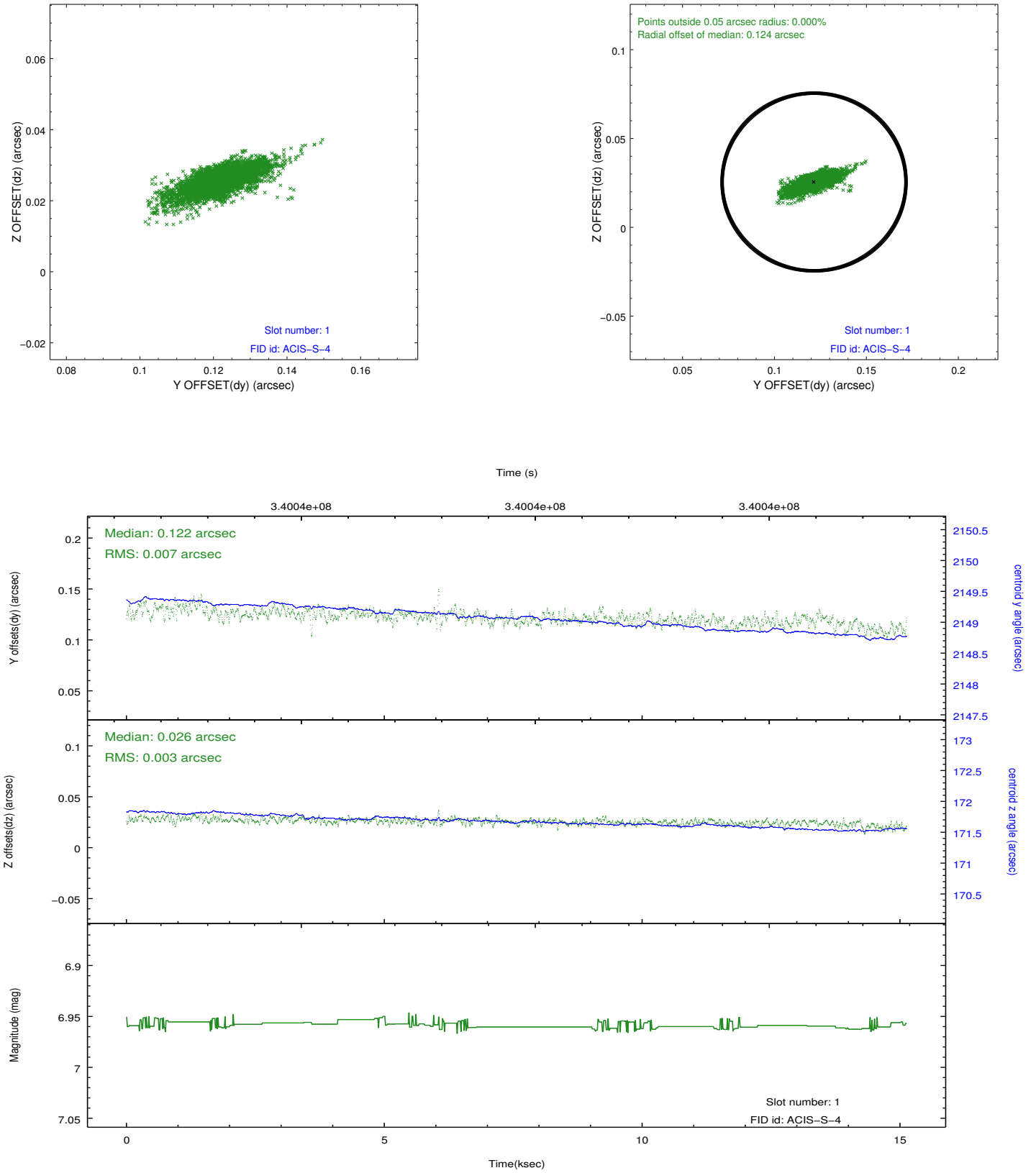


2.5 FID Slots

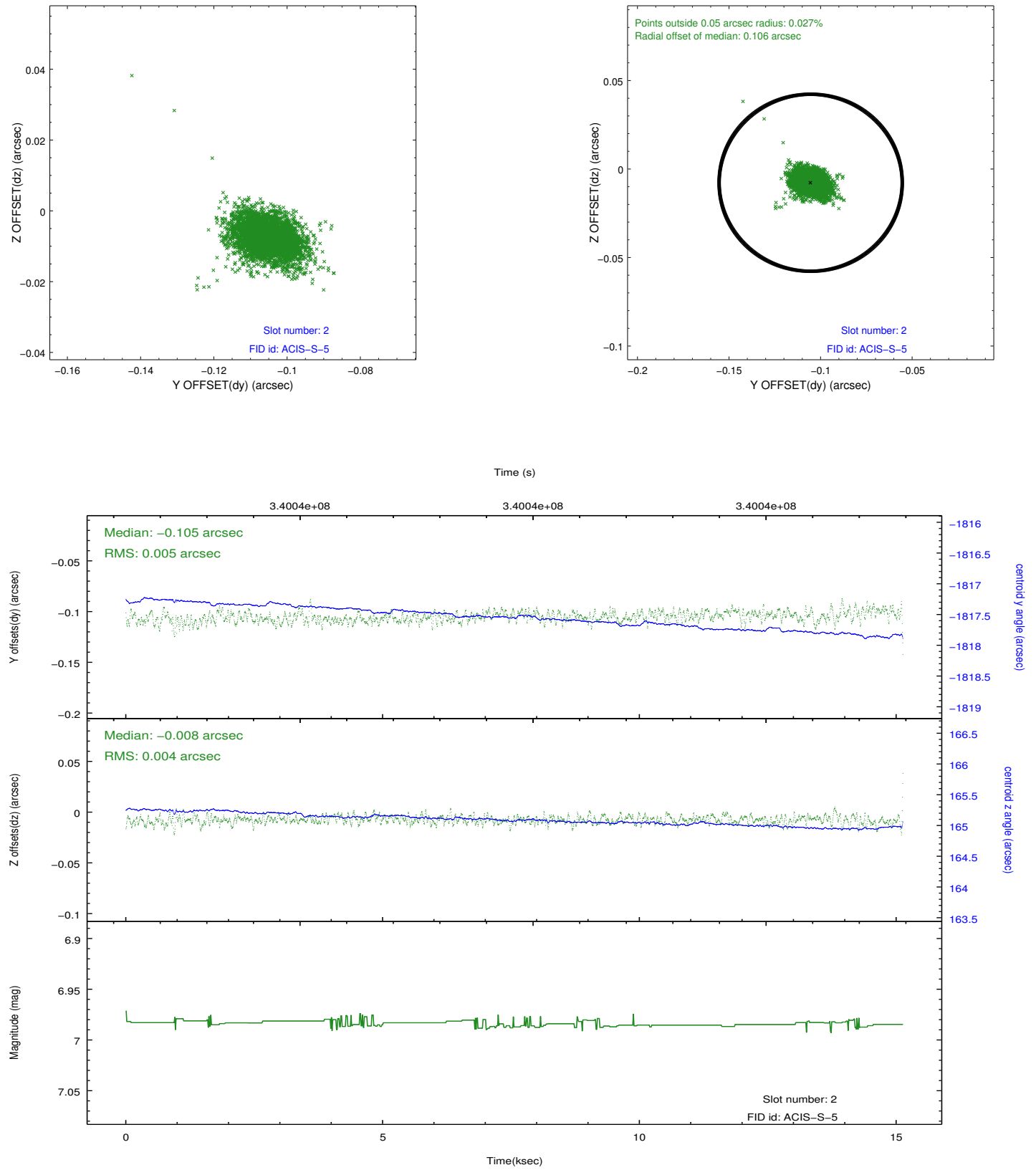
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.12525

A.2 Comments