

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 9962 - L2 Version 2
Chandra X-Ray Center

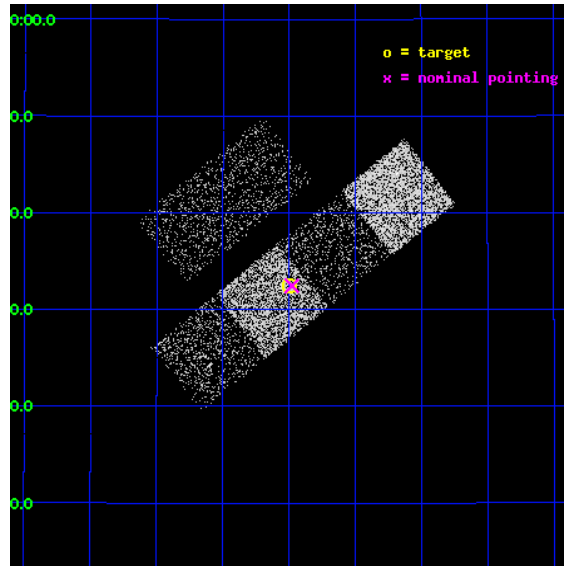
L2 Processing Date : Jun 10 2012

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1 Front

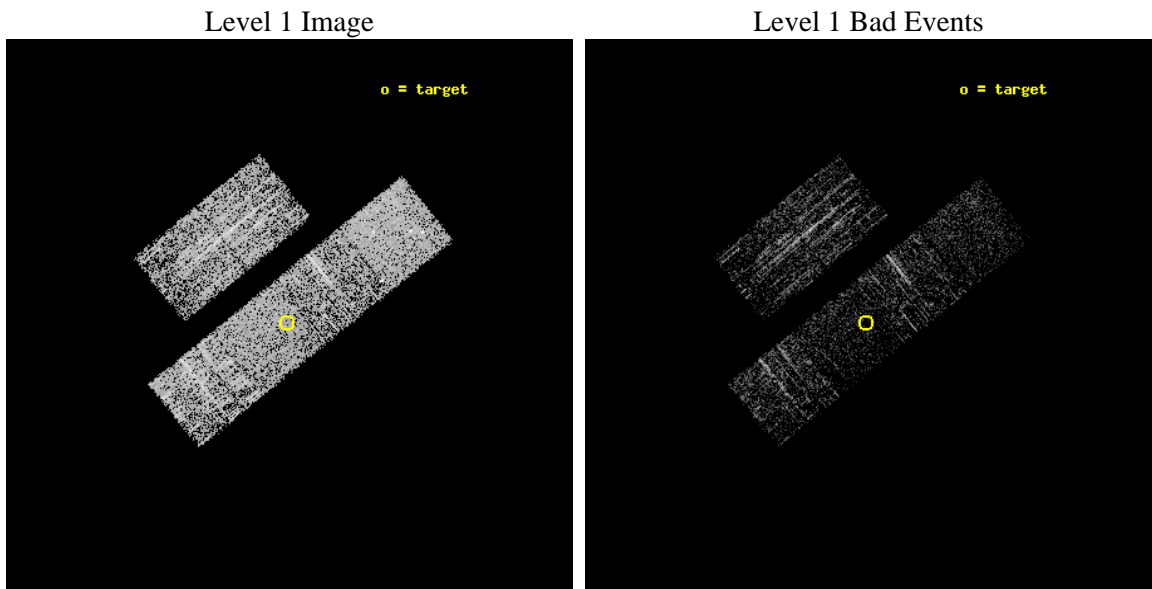
seq_num	300249	Sequence number
obs_id	9962	Observation id
title	Searching for Millisecond Pulsars in Extremely Low-Mass White Dwarf Binaries	Proposal title
observer	Prof. Craig Heinke	Principal investigator
object	LP 400-22	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.125	Observer's specified target RA [deg]
dec_targ	22.54	Observer's specified target Dec [deg]
ra_nom	339.11965464589	Nominal RA [deg]
dec_nom	22.540845795598	Nominal Dec [deg]
roll_nom	140.92223791813	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1041.6820825338	Sum of GTIs [s]
livetime	1028.4916767791	Livetime [s]
ontime2	1041.7231225371	Sum of GTIs [s]
ontime3	1041.5589625239	Sum of GTIs [s]
ontime5	1041.6410425305	Sum of GTIs [s]
ontime6	1041.6000025272	Sum of GTIs [s]
ontime7	1041.6820825338	Sum of GTIs [s]
ontime8	1041.5179225206	Sum of GTIs [s]
l2events	12060	Number of level 2 events



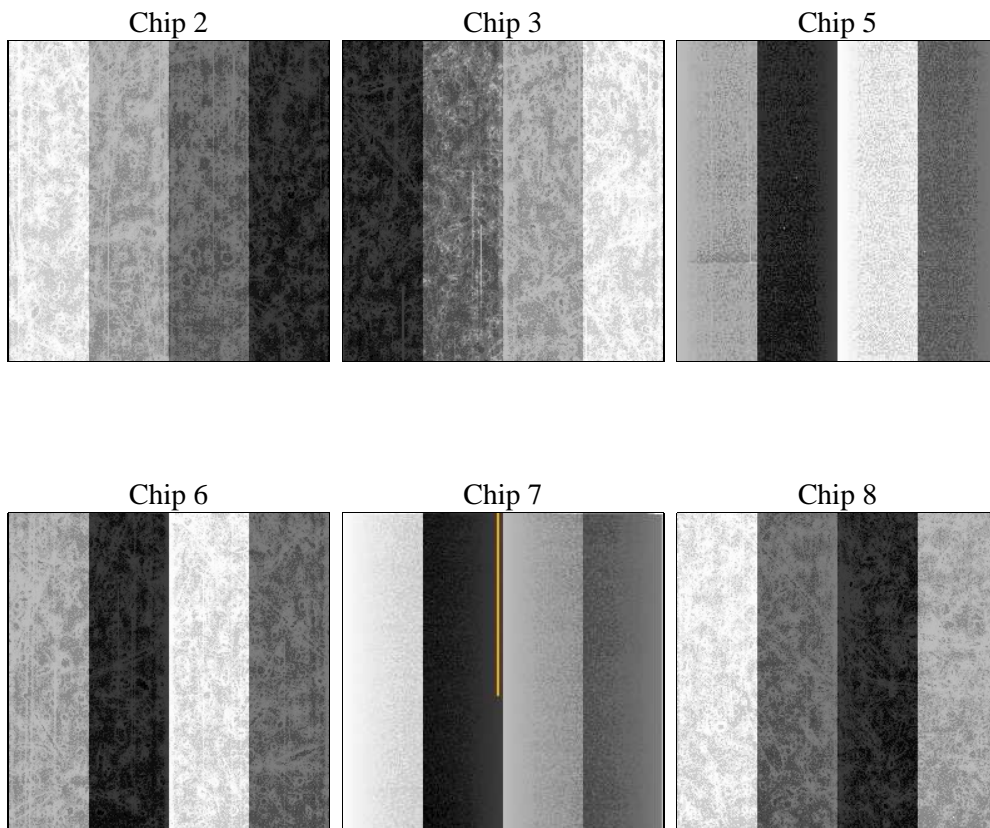
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1041.6820825338	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	1041.7231225371	Sum of GTIs [s]
date	2012-06-11T00:55:07	Date and time of file creation	ontime3	1041.5589625239	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1041.6410425305	Sum of GTIs [s]
			ontime6	1041.6000025272	Sum of GTIs [s]
			ontime7	1041.6820825338	Sum of GTIs [s]
			ontime8	1041.5179225206	Sum of GTIs [s]
			l1events	56116	Number of level 1 events

2.1.4 Events

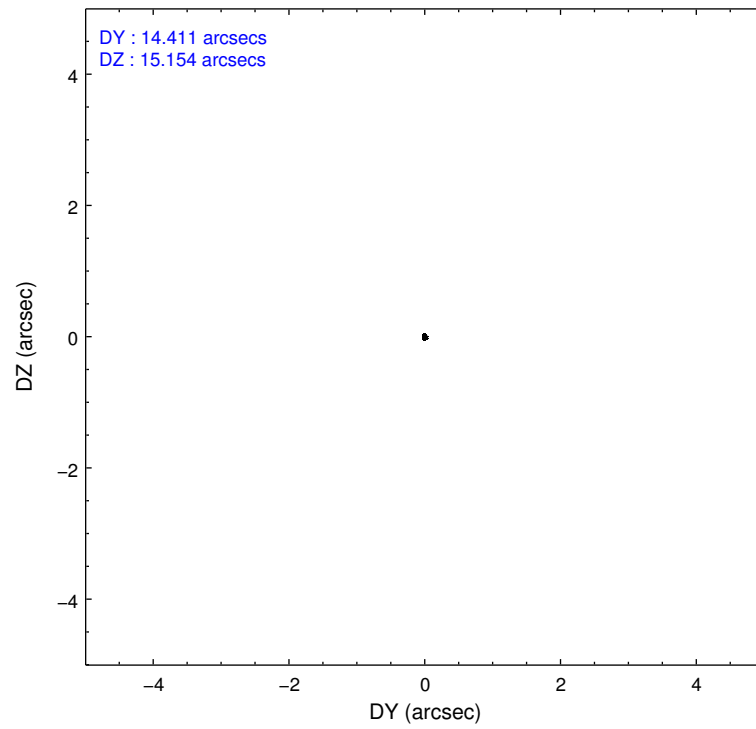
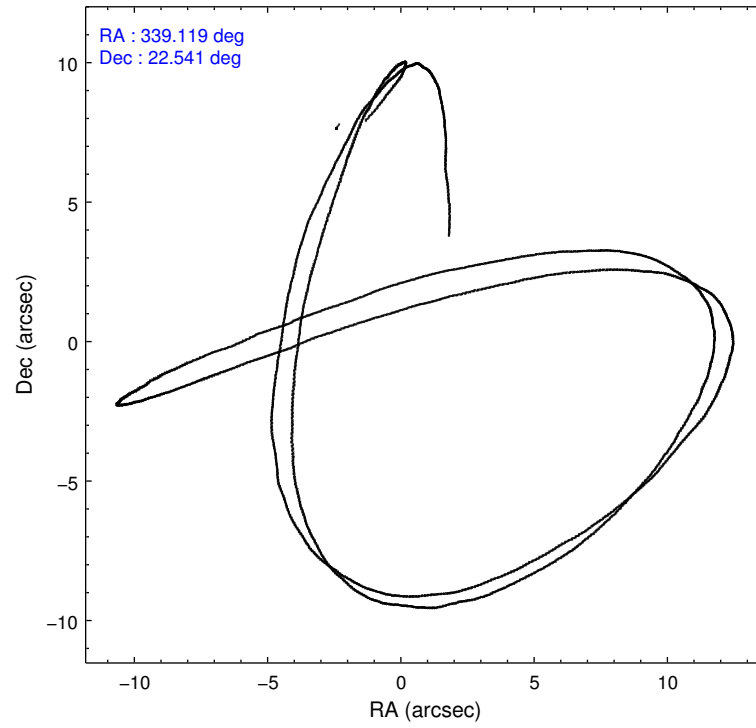
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	9483	8235	11146	8160	8285	10807
rejected events	8652	7485	5197	7295	4430	7743
rejected %	91%	90%	46%	89%	53%	71%

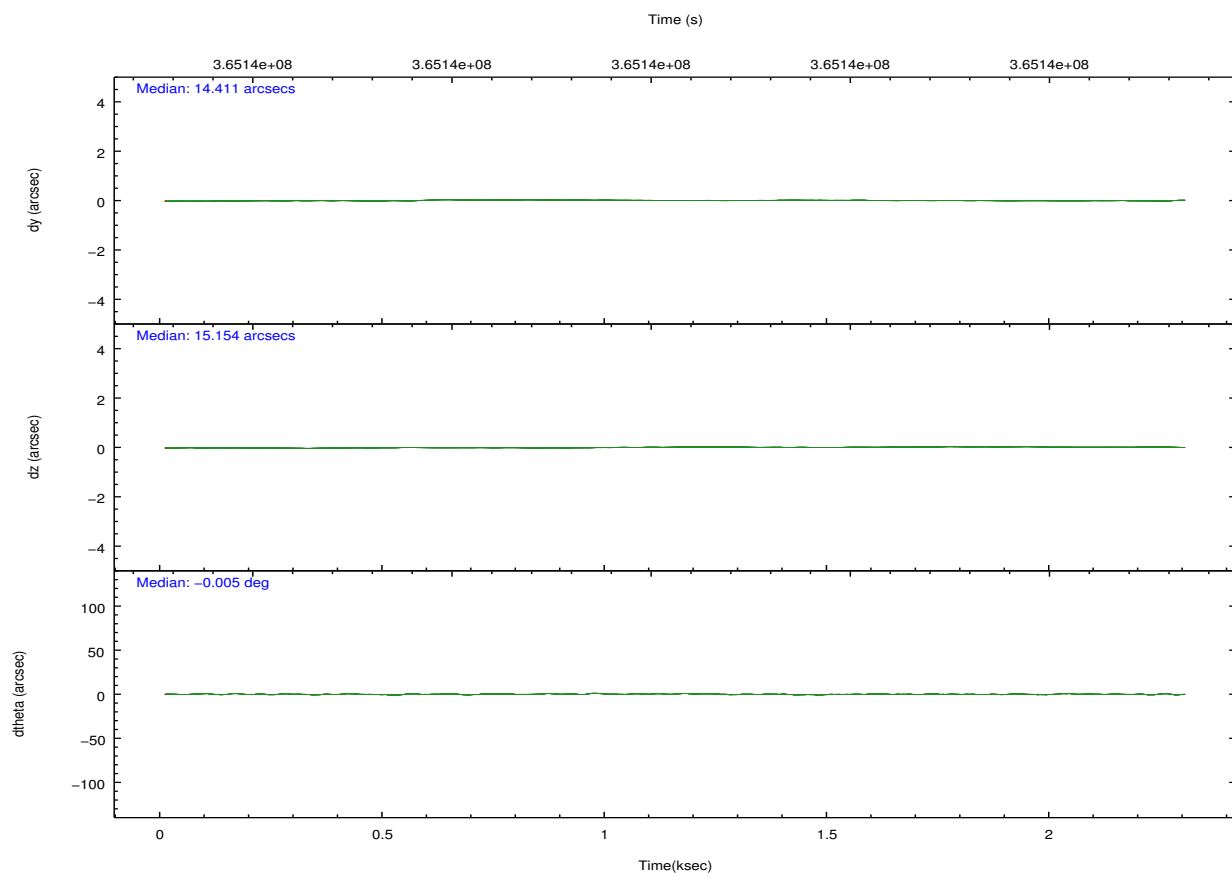
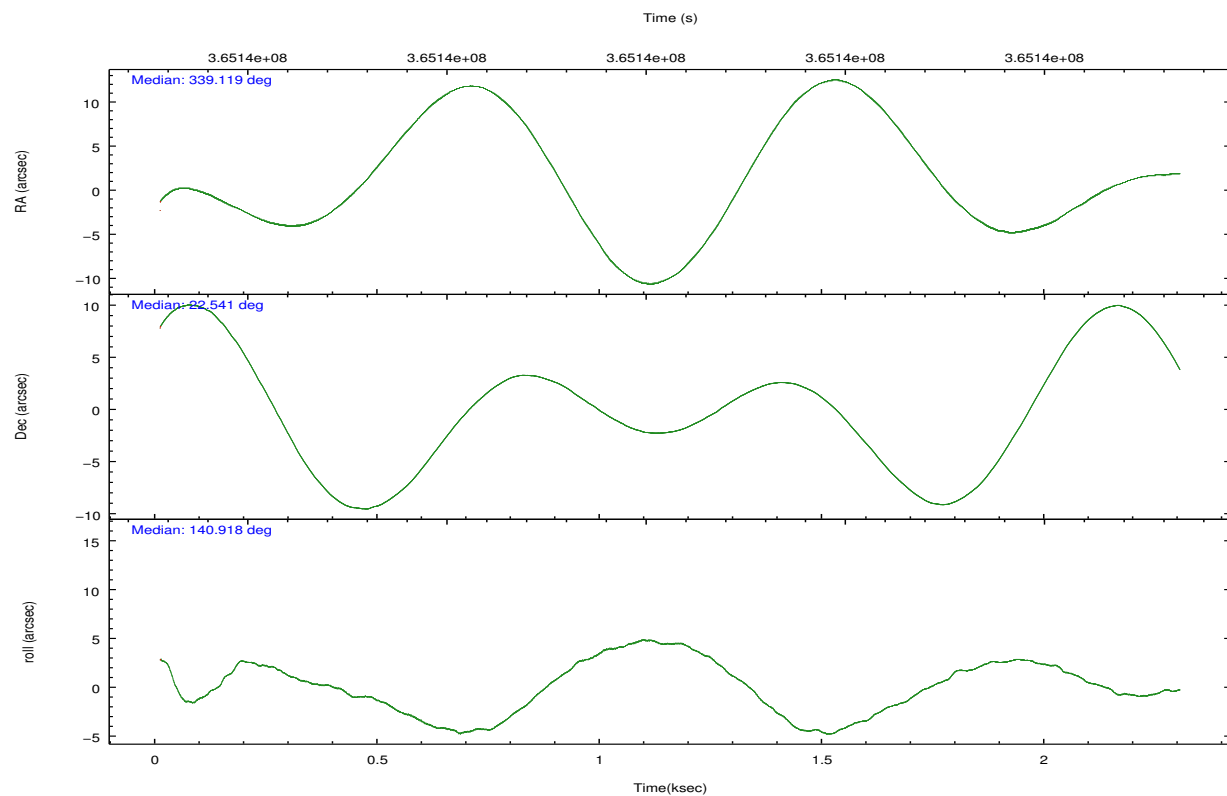
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	330	293	787	328	421	854
	3%	3%	7%	4%	5%	7%
grade 1 events	5	4	39	6	14	8
	0%	0%	0%	0%	0%	0%
grade 2 events	176	160	1762	191	777	697
	1%	1%	15%	2%	9%	6%
grade 3 events	85	84	237	71	343	330
	0%	1%	2%	0%	4%	3%
grade 4 events	87	75	226	92	387	299
	0%	0%	2%	1%	4%	2%
grade 5 events	245	282	856	293	864	474
	2%	3%	7%	3%	10%	4%
grade 6 events	158	145	2980	186	1956	891
	1%	1%	26%	2%	23%	8%
grade 7 events	8397	7192	4259	6993	3523	7254
	88%	87%	38%	85%	42%	67%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	339.149088	339.1196546458918	CCD I2 on	O2	Y
[deg] Pointing Dec	22.536675	22.5408457955985	CCD I3 on	O3	Y
[deg] Pointing Roll	140.754316	140.9222379181335	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	365138534.184000	365137064.89244	CCD S5 on	N	N
Observation start date	2009-07-28T03:21:08	2009-07-28T02:57:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	365139714.184000	365141140.29264	On-chip summing requested	N	N
Observation end date	2009-07-28T03:40:48	2009-07-28T04:05:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



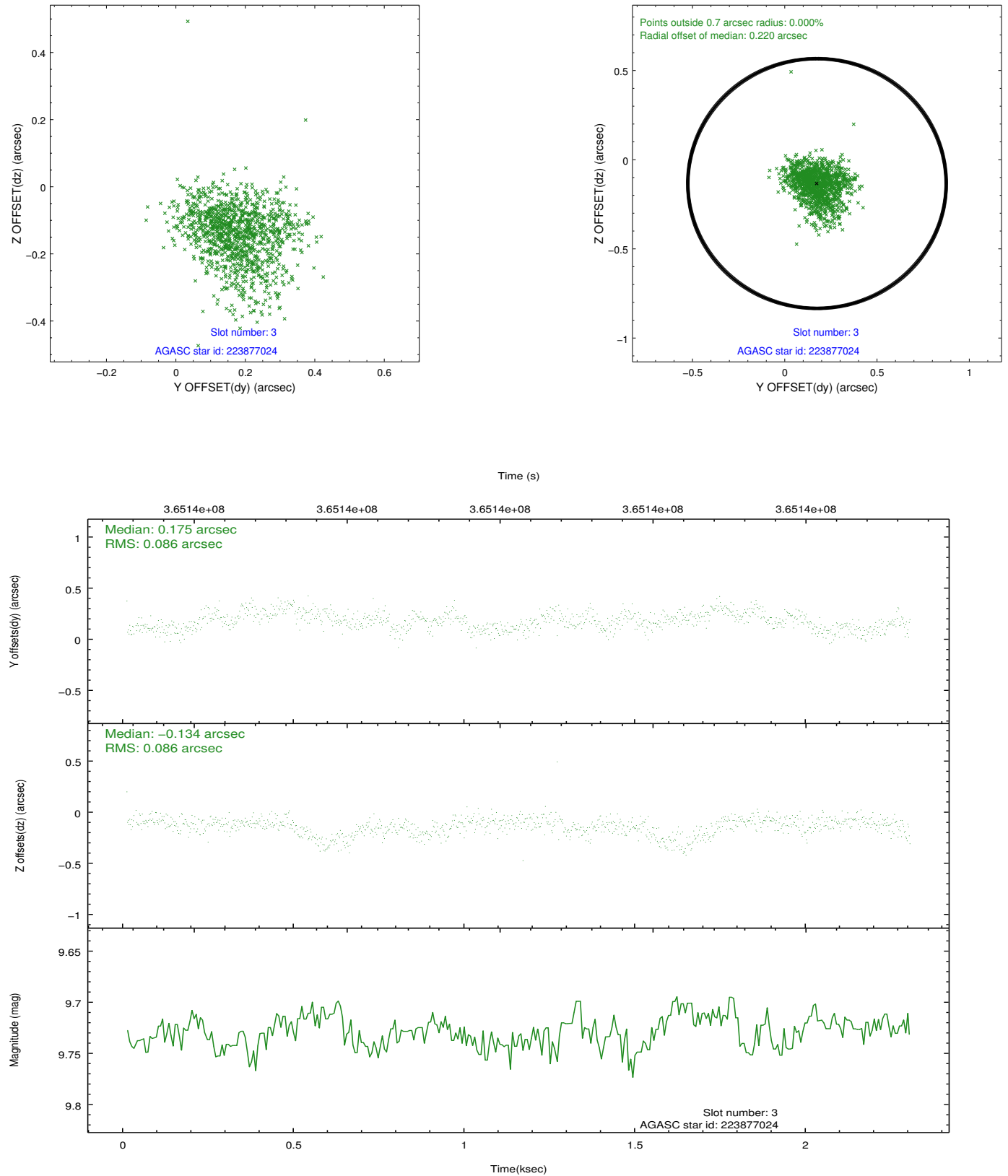


Slot Statistics

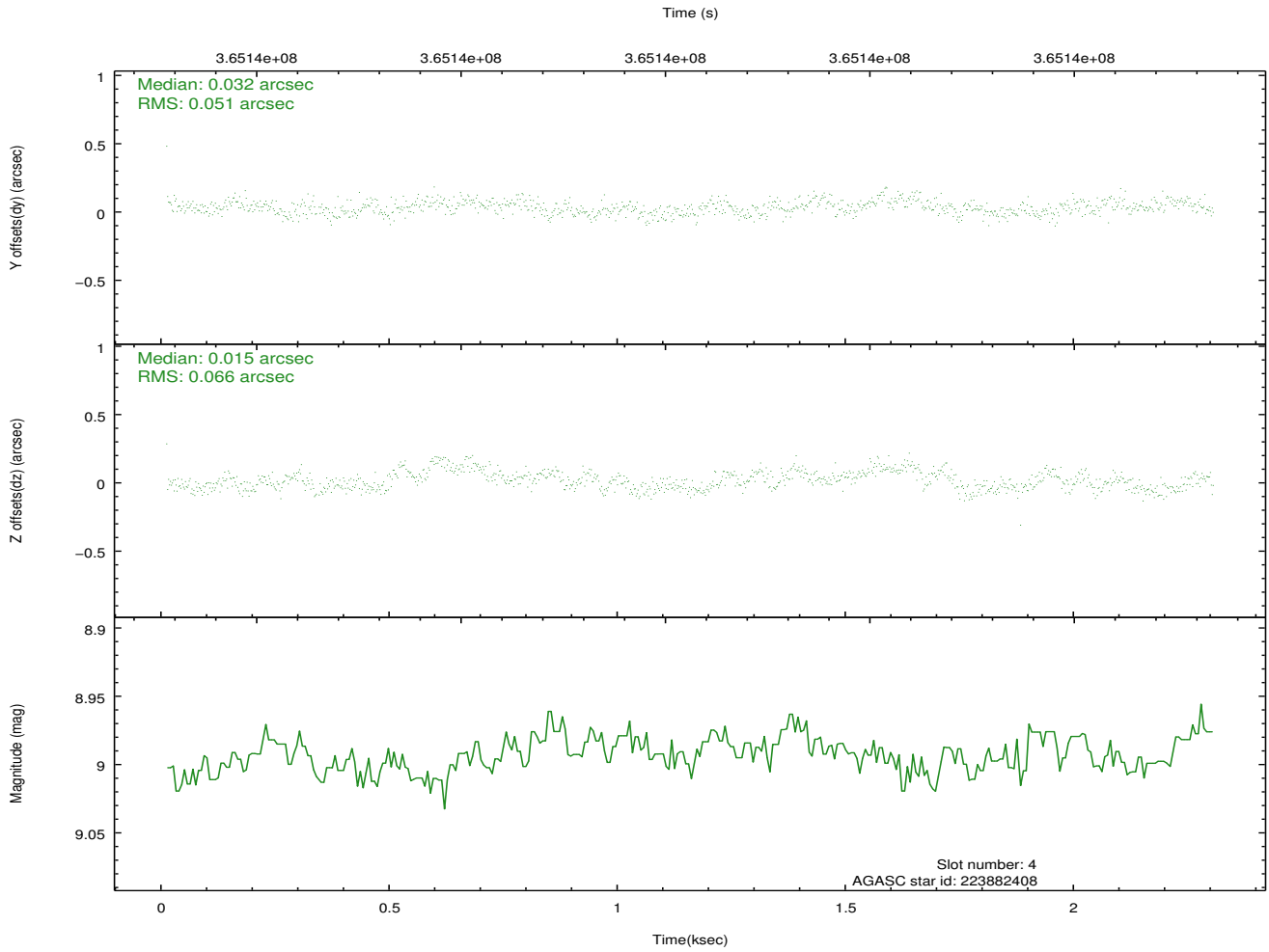
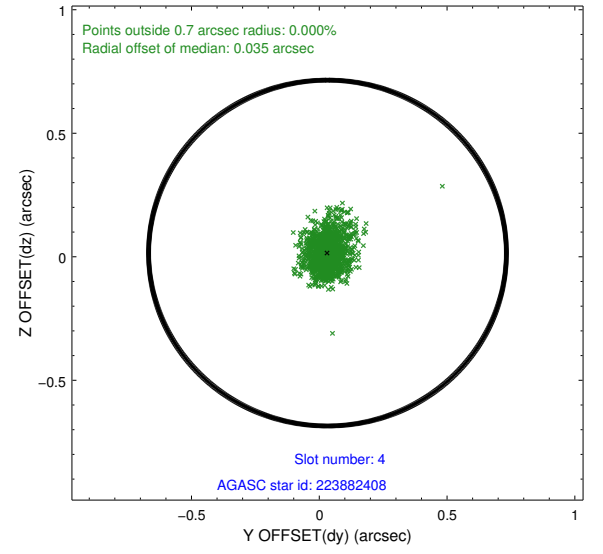
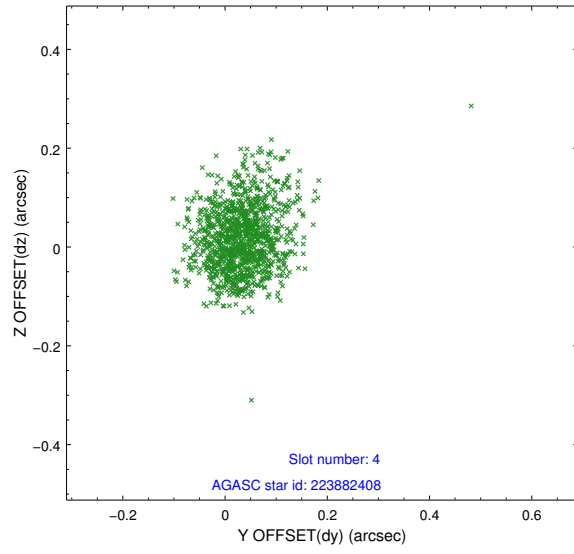
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	560	-0.081	-0.015	0.006	0.010	0.000000	0.000000	-767.42	-1736.56
1	FID	ACIS-S-4	6.99	560	0.197	0.043	0.005	0.010	0.000000	0.000000	2144.81	169.08
2	FID	ACIS-S-5	7.02	560	-0.147	-0.019	0.006	0.010	0.000000	0.000000	-1816.73	165.86
3	GUIDE	223877024	9.73	1115	0.175	-0.134	0.128	0.212	339.085986	21.825709	-1456.51	2116.12
4	GUIDE	223882408	8.99	1116	0.032	0.015	0.087	0.143	339.323077	22.311226	-963.92	264.11
5	GUIDE	223883248	8.24	1120	0.098	0.005	0.082	0.132	339.413651	22.271449	-1287.53	181.95
6	GUIDE	290860432	8.61	1120	-0.108	0.190	0.094	0.153	339.015650	23.332608	2152.89	-1939.46
7	GUIDE	290857888	9.35	1117	-0.169	-0.070	0.161	0.307	338.436052	22.781157	2394.18	810.26

2.4 Star Slots

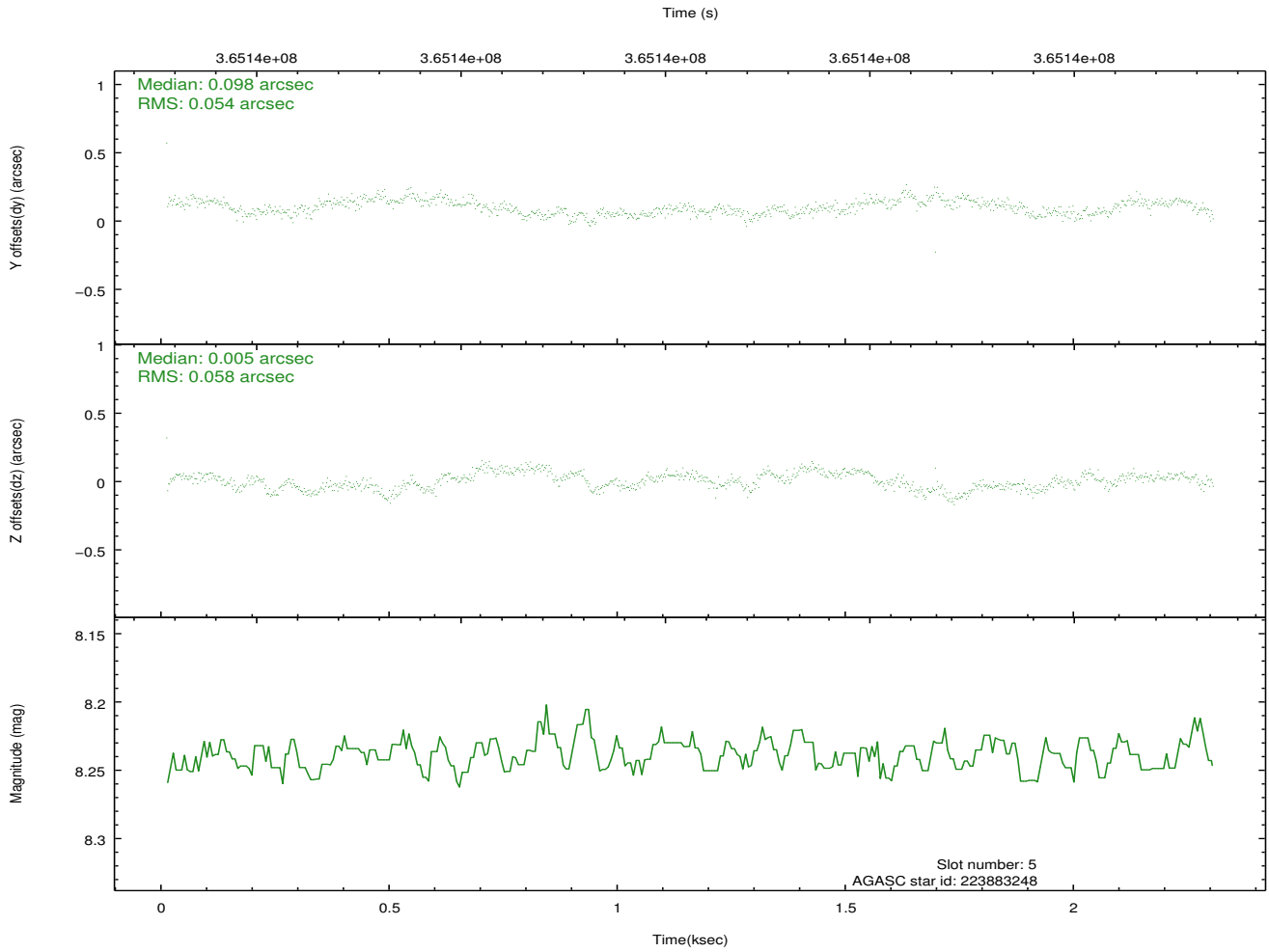
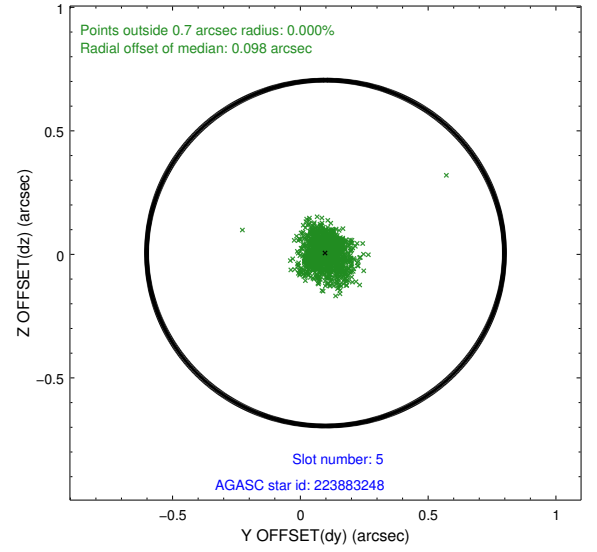
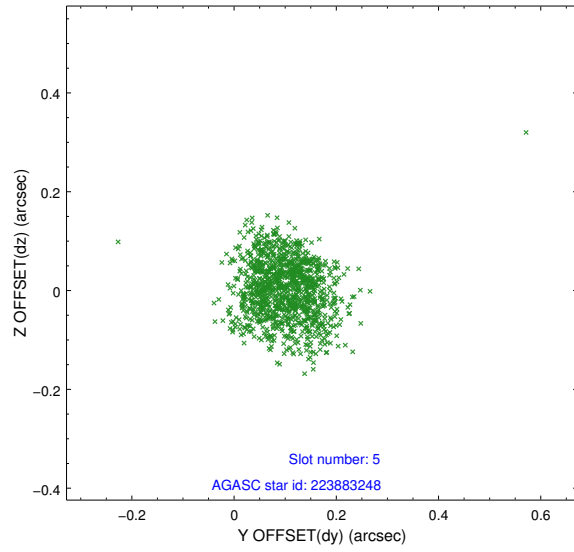
2.4.1 Slot 3



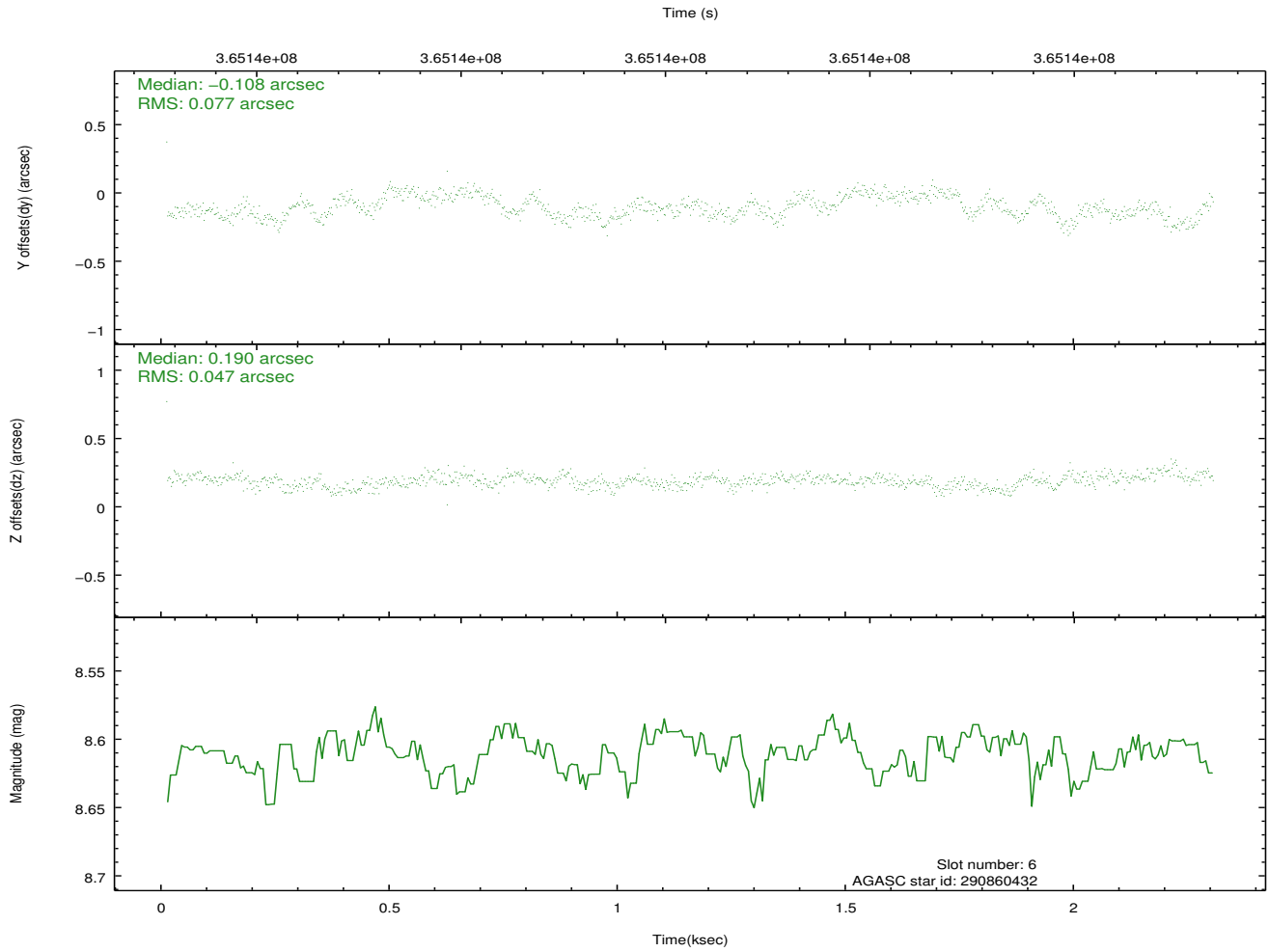
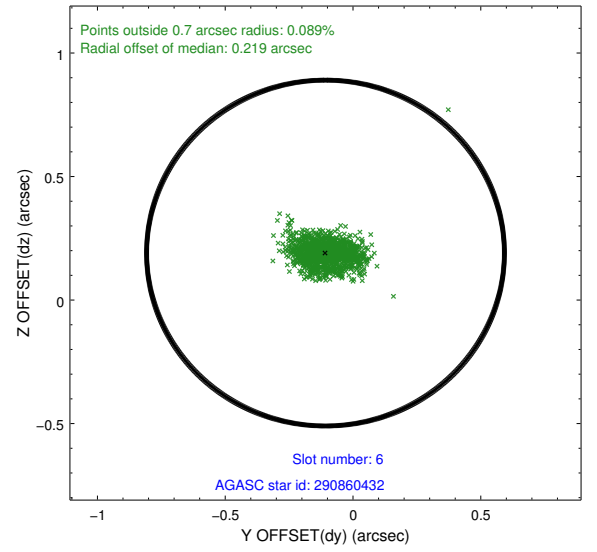
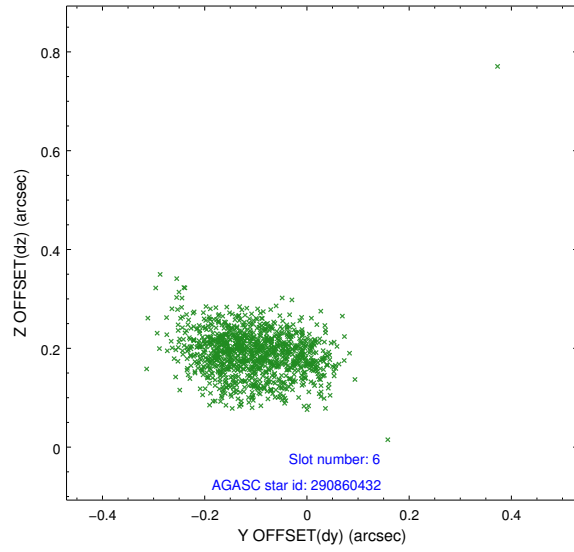
2.4.2 Slot 4



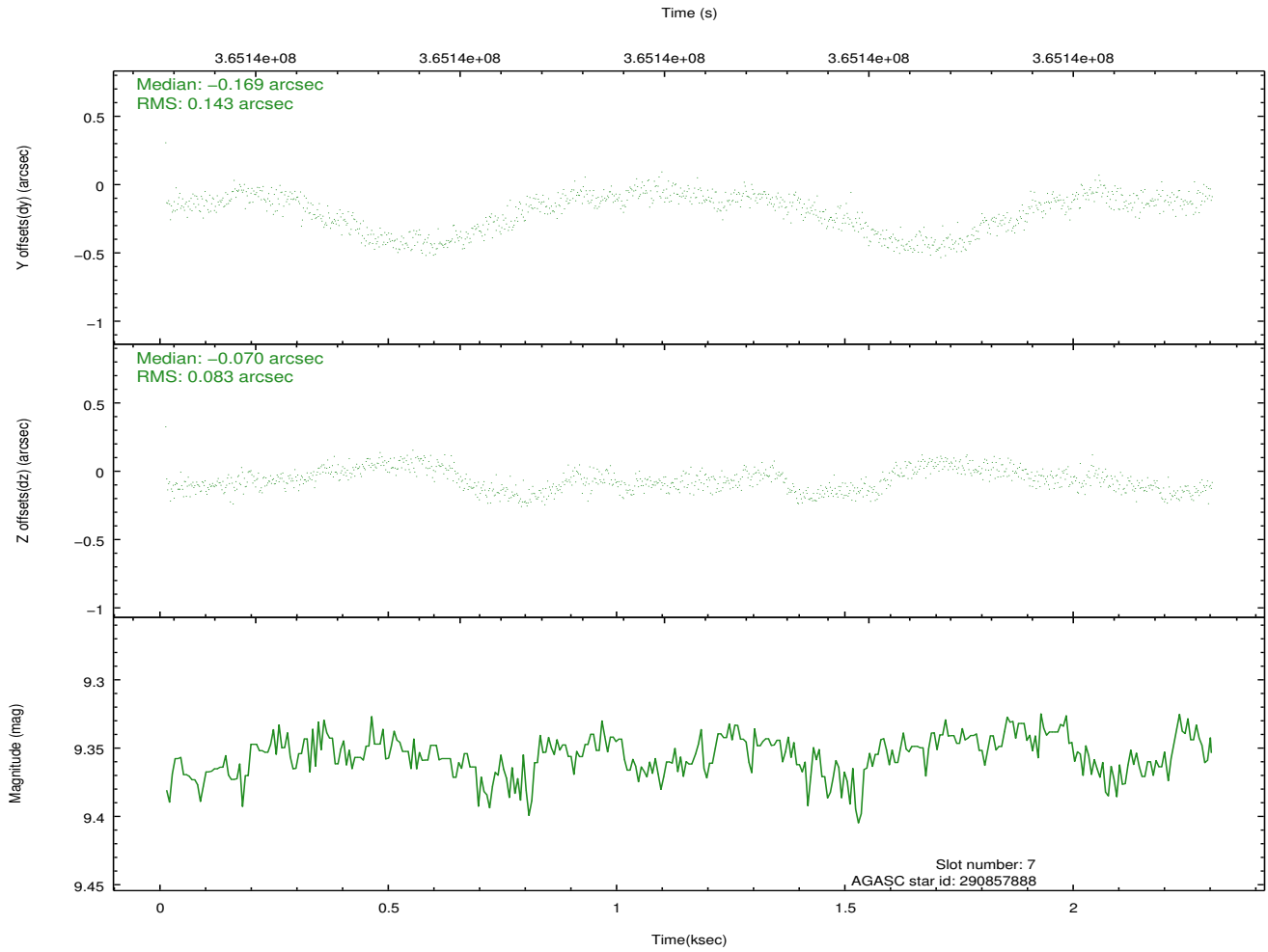
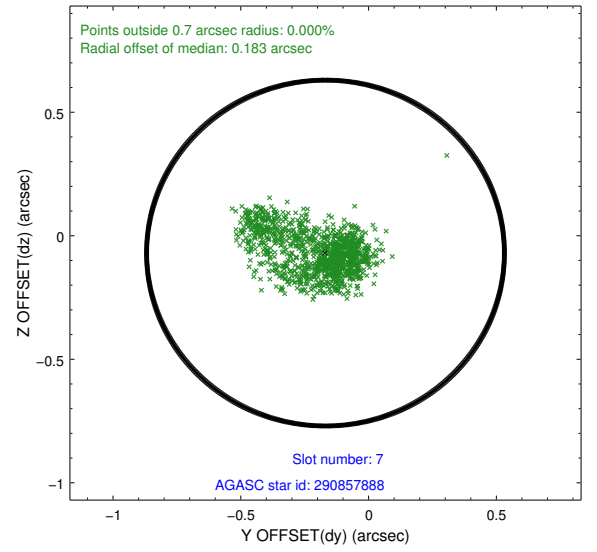
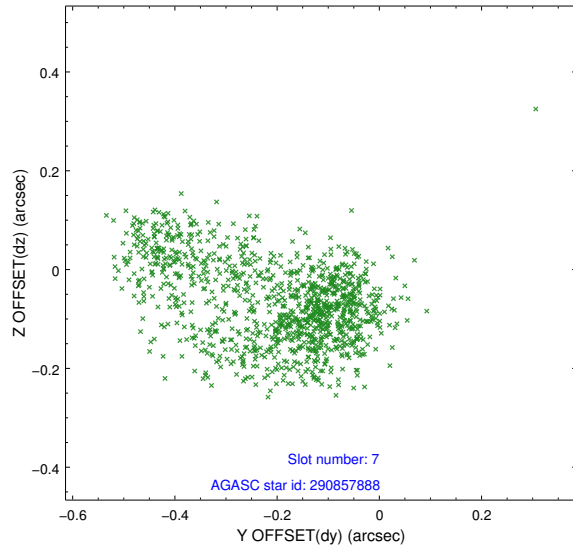
2.4.3 Slot 5



2.4.4 Slot 6

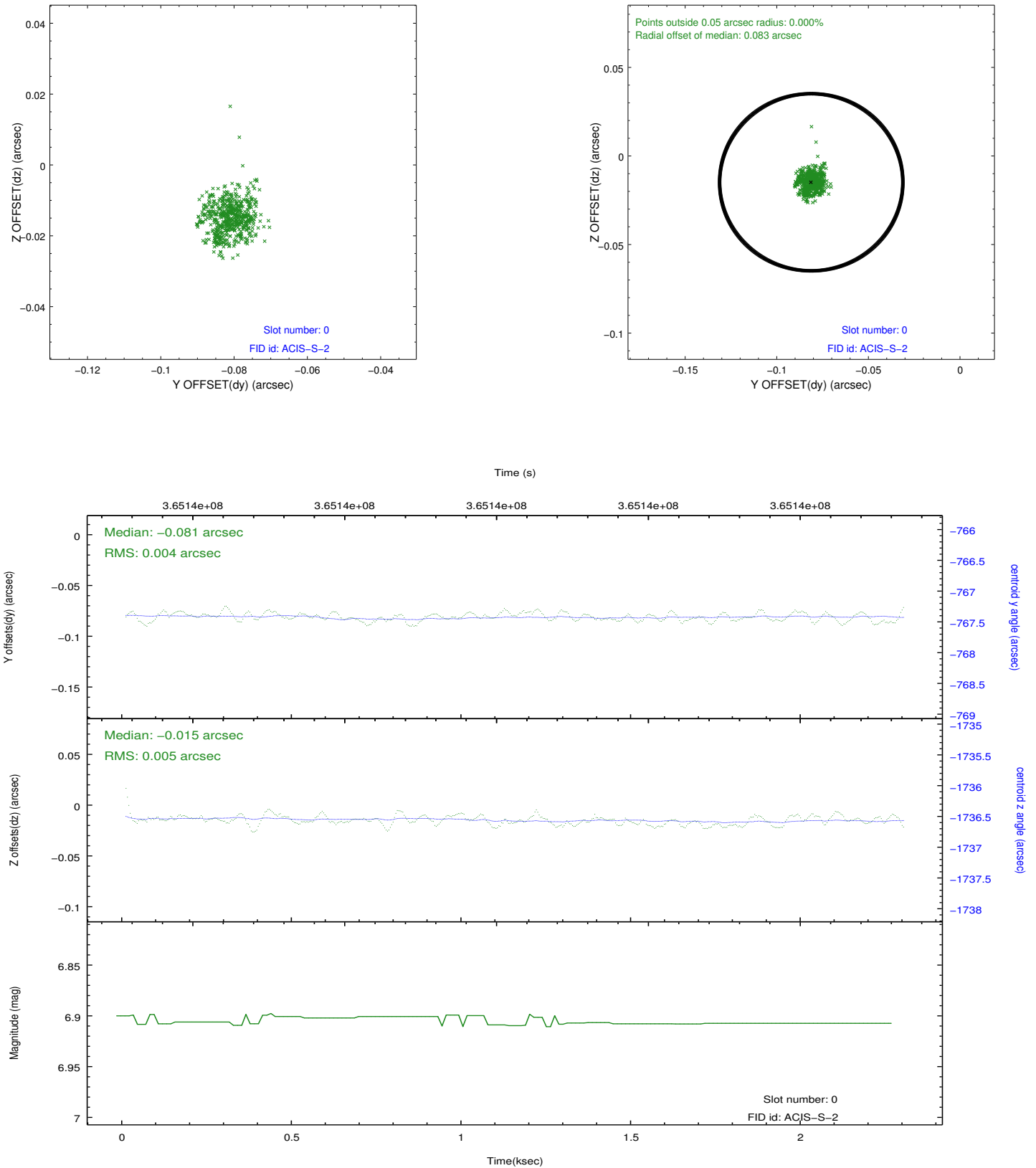


2.4.5 Slot 7

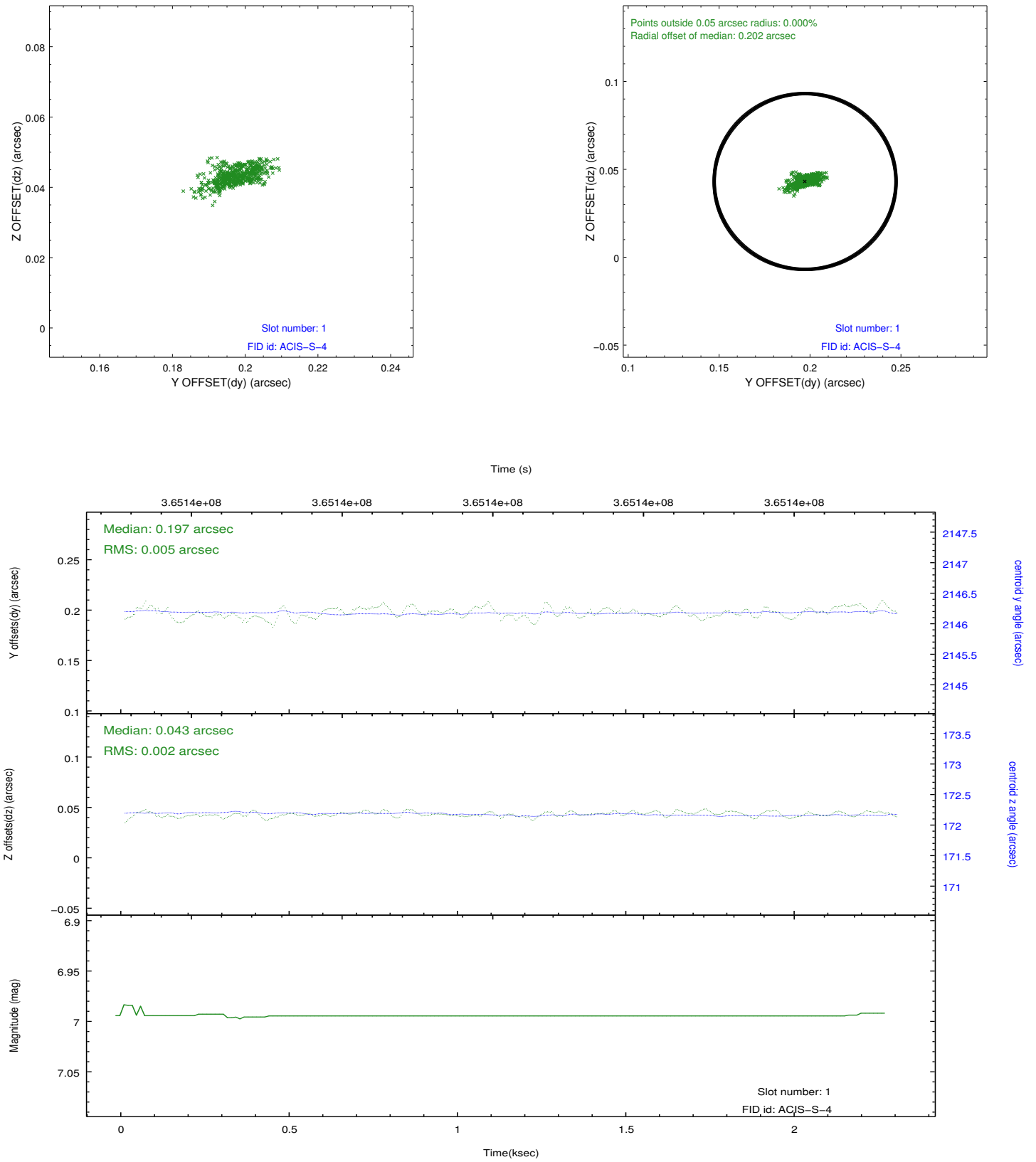


2.5 FID Slots

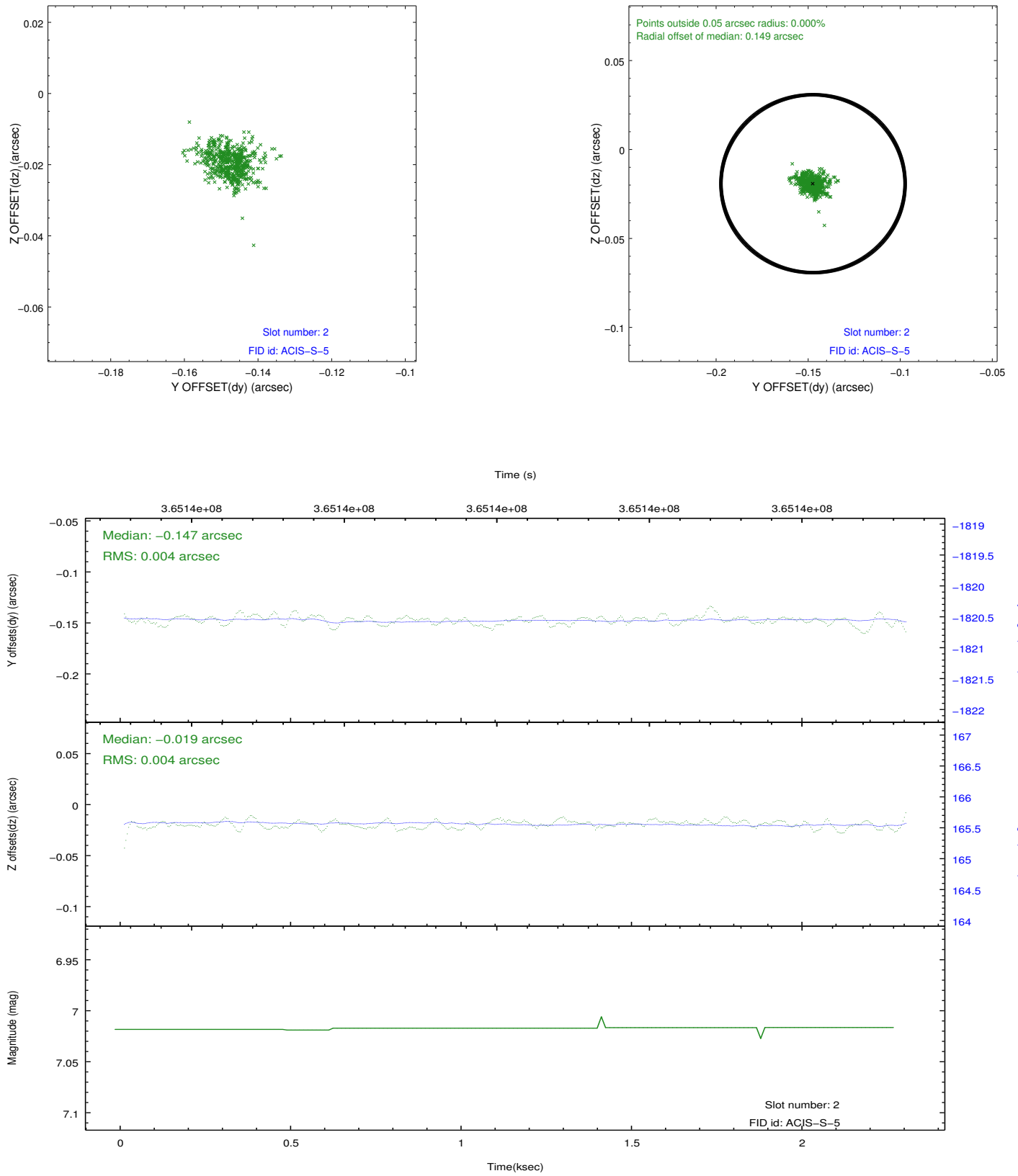
2.5.1 Slot 0



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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.04168207

A.2 Comments