

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13297 - L2 Version 2
Chandra X-Ray Center

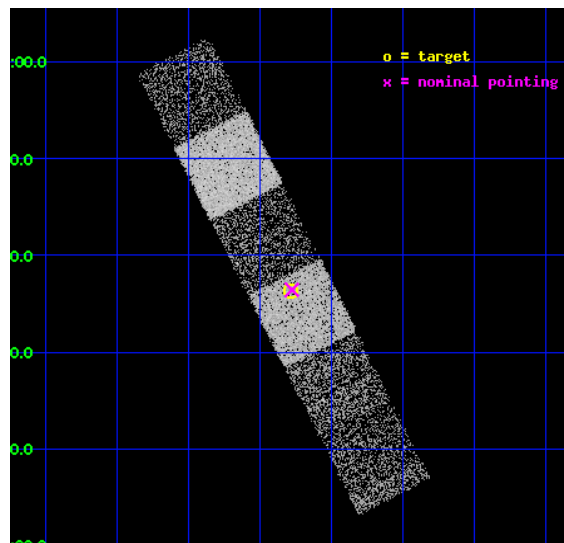
L2 Processing Date : Feb 27 2012

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1 Front

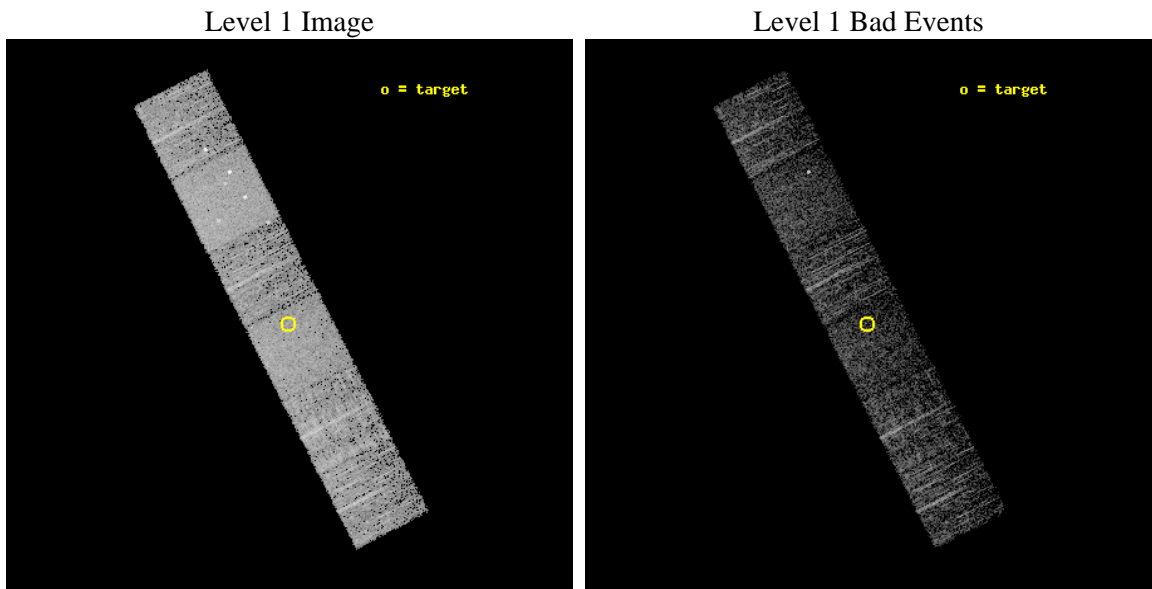
seq_num	600985	Sequence number
obs_id	13297	Observation id
title	Chandra follow-up of brignt off-nuclear X-ray sources in galaxies	P
observer	Dr Jelle Kaastra	Principal investigator
object	NGC4292	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.320833	Observer's specified target RA [deg]
dec_targ	4.604722	Observer's specified target Dec [deg]
ra_nom	185.31944951569	Nominal RA [deg]
dec_nom	4.6073150705467	Nominal Dec [deg]
roll_nom	63.019798178654	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2959.9999890327	Sum of GTIs [s]
livetime	2922.5186868736	Livetime [s]
ontime4	2959.9999890327	Sum of GTIs [s]
ontime5	2959.9999890327	Sum of GTIs [s]
ontime6	2959.9999890327	Sum of GTIs [s]
ontime7	2959.9999890327	Sum of GTIs [s]
ontime8	2959.9999890327	Sum of GTIs [s]
ontime9	2959.9999890327	Sum of GTIs [s]
l2events	31848	Number of level 2 events



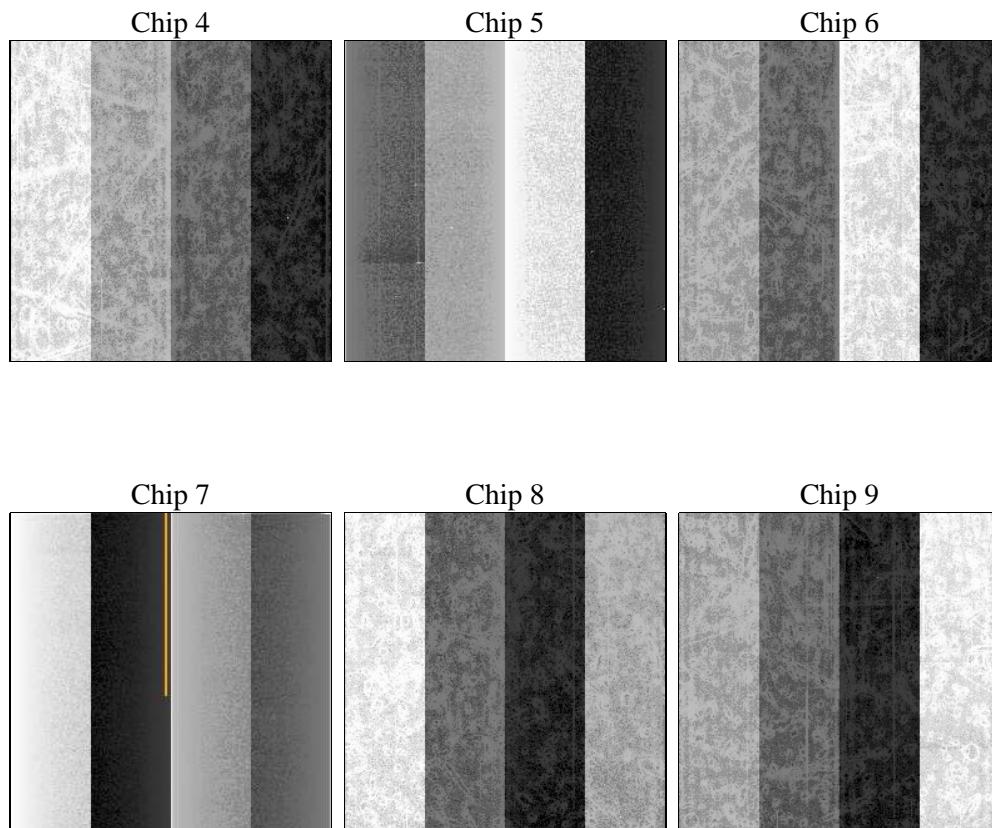
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2959.9999890327	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	2959.9999890327	Sum of GTIs [s]
date	2012-02-27T11:58:31	Date and time of file creation	ontime5	2959.9999890327	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2959.9999890327	Sum of GTIs [s]
			ontime7	2959.9999890327	Sum of GTIs [s]
			ontime8	2959.9999890327	Sum of GTIs [s]
			ontime9	2959.9999890327	Sum of GTIs [s]
			l1events	135078	Number of level 1 events

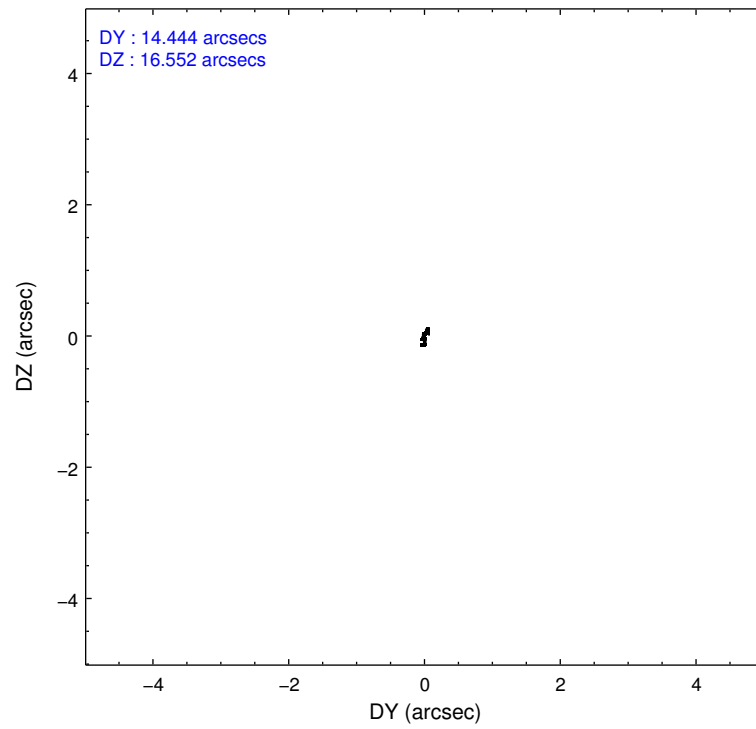
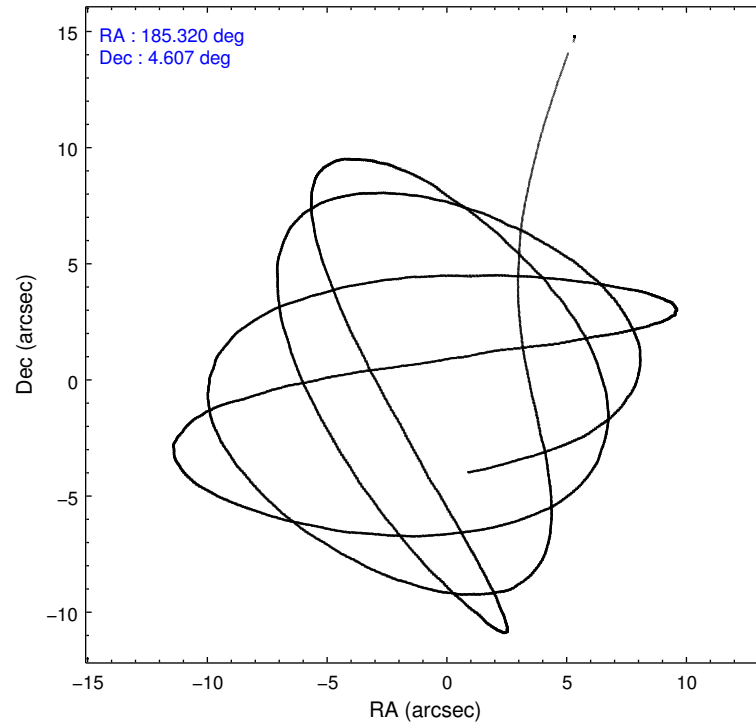
2.1.4 Events

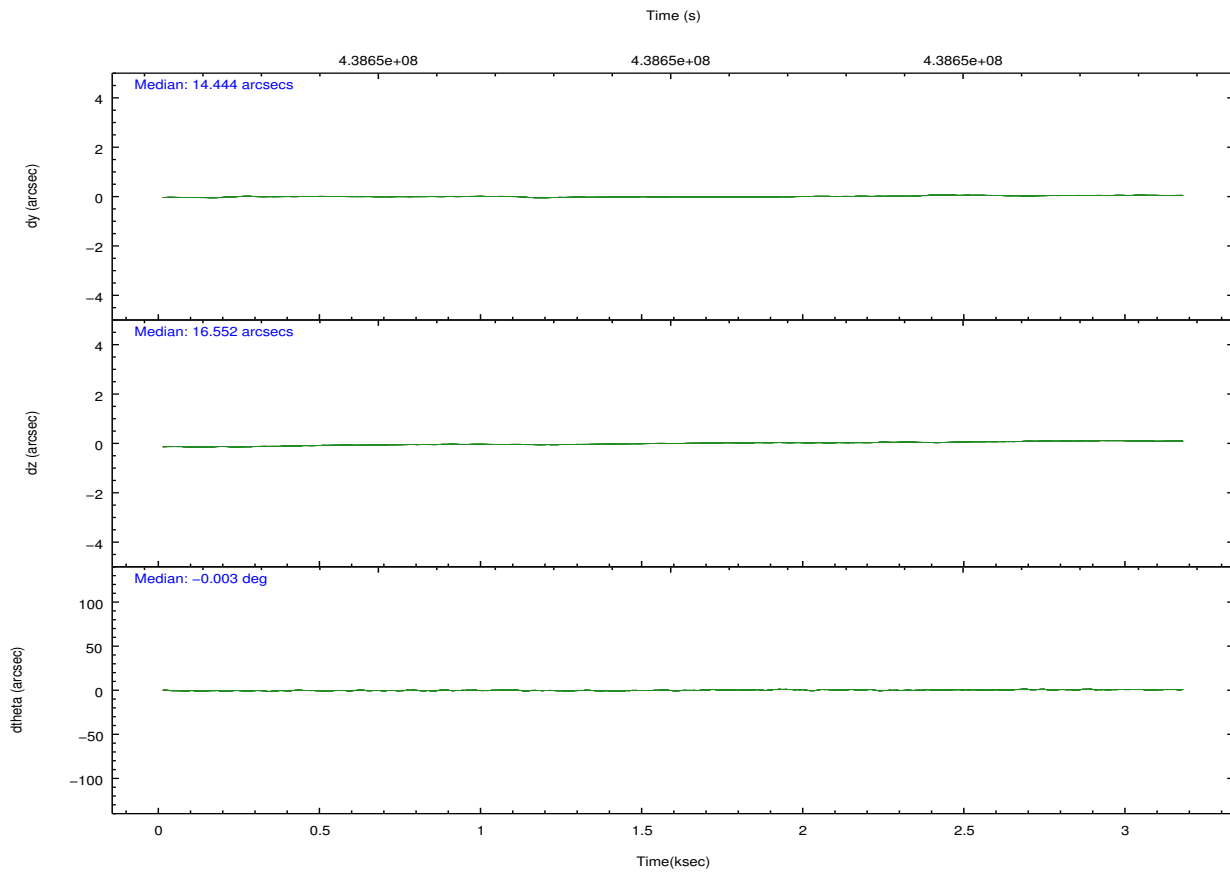
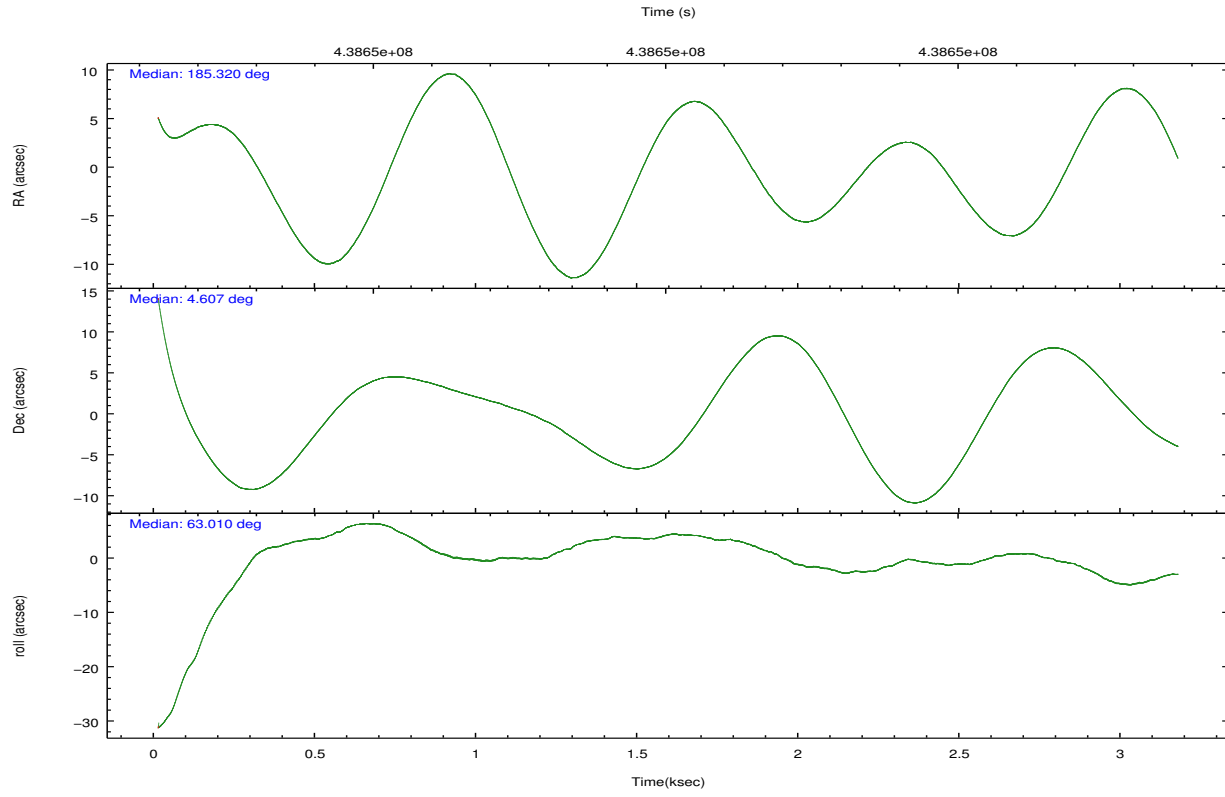
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	20253	30363	18564	23389	23715	18794	grade 0 events	1587	1961	804	970	2115	886
rejected events	17282	15216	16354	12882	16824	16550		7%	6%	4%	4%	8%	4%
rejected %	85%	50%	88%	55%	70%	88%	grade 1 events	25	57	13	19	21	9
								0%	0%	0%	0%	0%	0%
							grade 2 events	542	4625	468	2172	1523	457
								2%	15%	2%	9%	6%	2%
							grade 3 events	237	546	223	917	801	244
								1%	1%	1%	3%	3%	1%
							grade 4 events	227	502	209	886	806	205
								1%	1%	1%	3%	3%	1%
							grade 5 events	859	2337	883	2347	1282	1048
								4%	7%	4%	10%	5%	5%
							grade 6 events	385	7561	513	5589	1657	462
								1%	24%	2%	23%	6%	2%
							grade 7 events	16391	12774	15451	10489	15510	15483
								80%	42%	83%	44%	65%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	185.321107	185.31944951569	CCD I2 on	N	N
[deg] Pointing Dec	4.580045	4.607315070546703	CCD I3 on	N	N
[deg] Pointing Roll	62.863094	63.01979817865409	CCD S0 on	O5	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O4	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	O2	Y
[s] Observation start time (MET)	438647604.184000	438645934.25634	CCD S5 on	O3	Y
Observation start date	2011-11-25T22:32:18	2011-11-25T22:05:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	438650604.184000	438651282.70662	On-chip summing requested	N	N
Observation end date	2011-11-25T23:22:18	2011-11-25T23:34:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



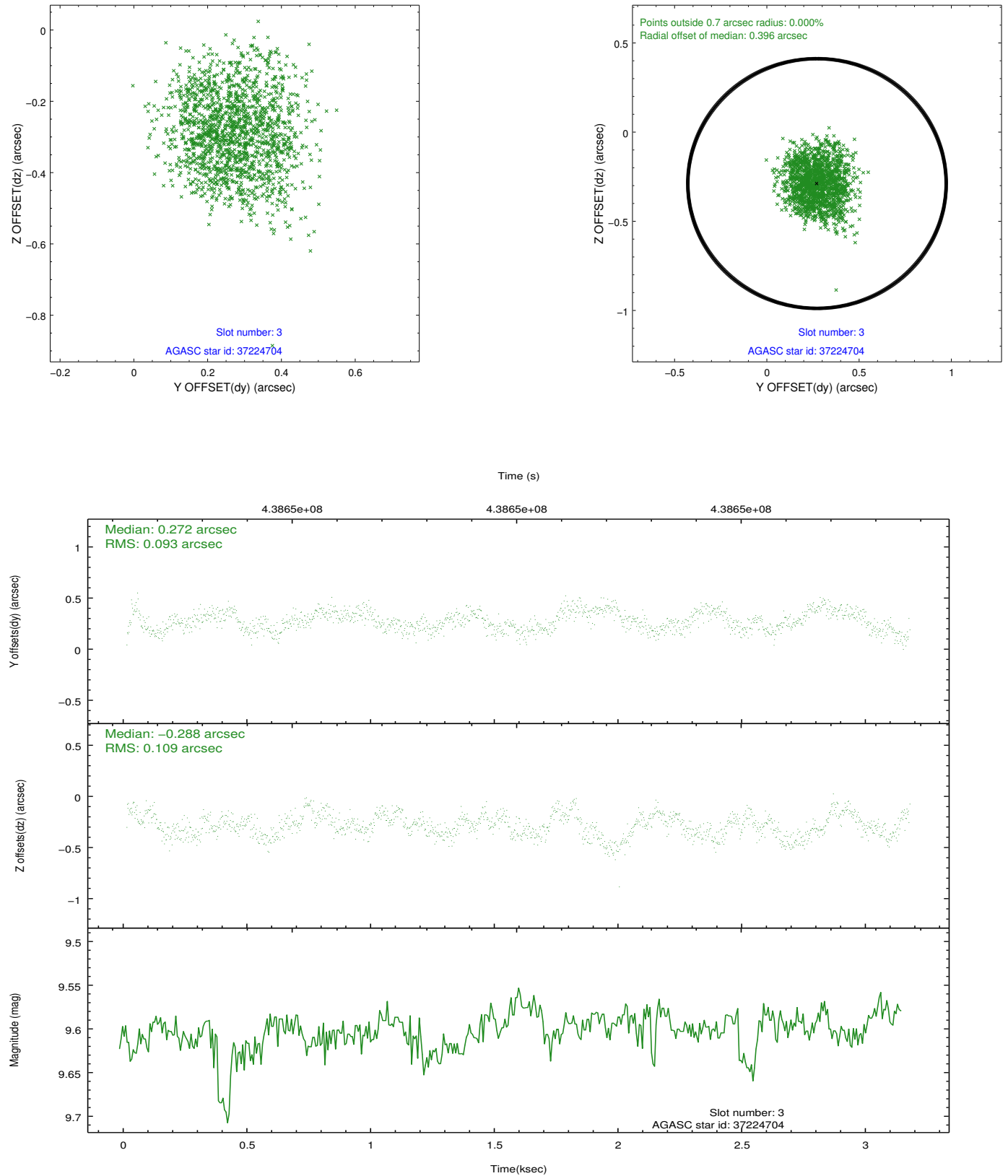


Slot Statistics

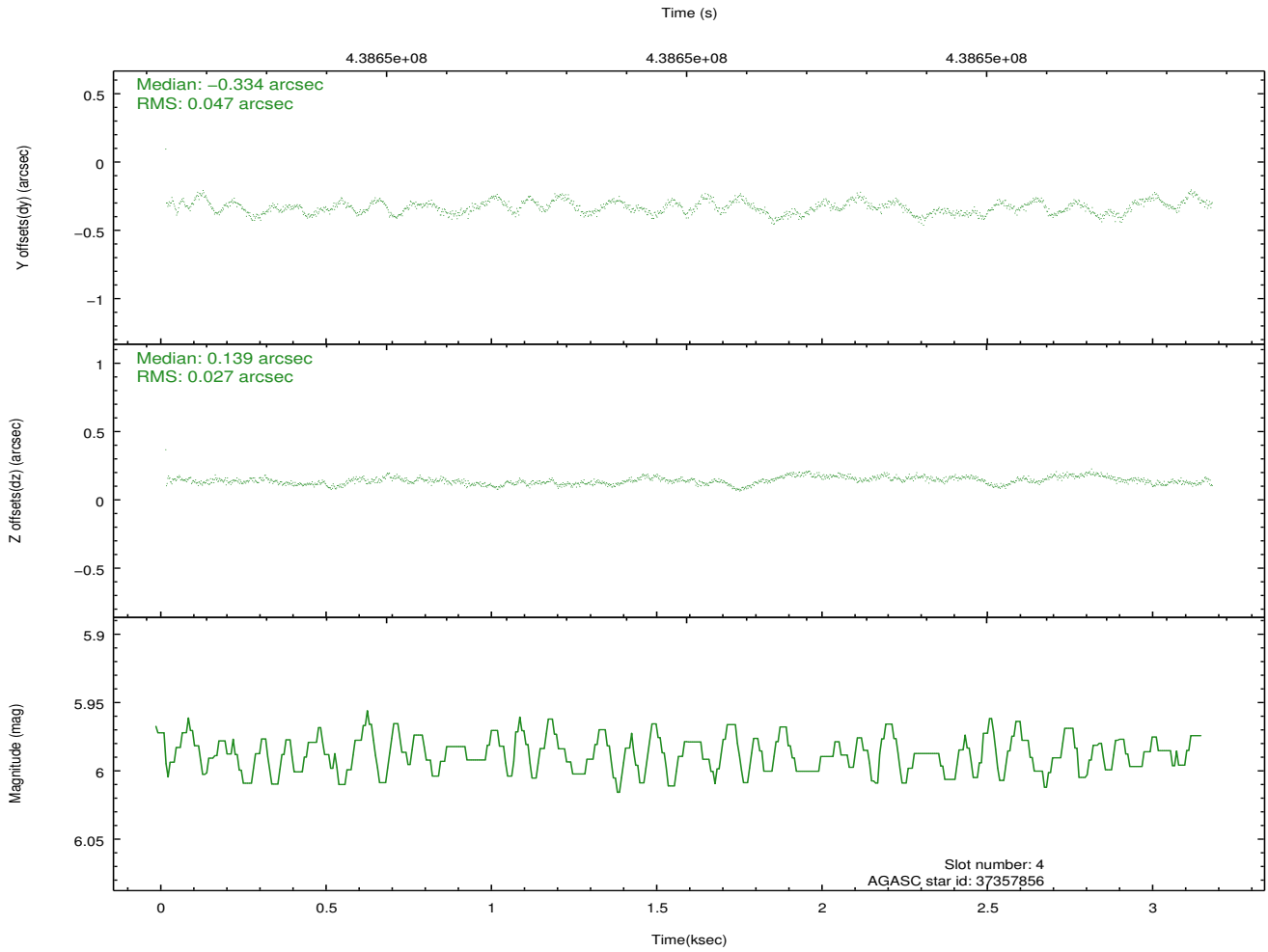
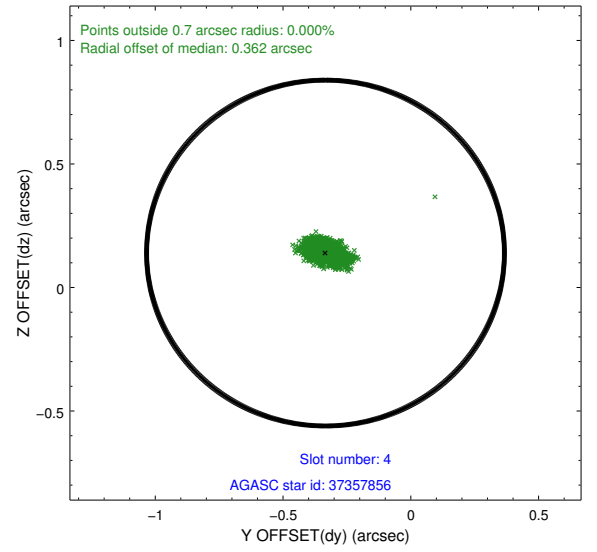
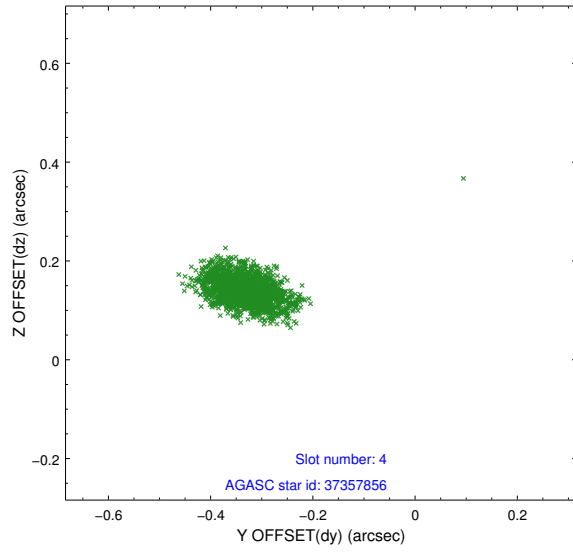
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	773	-0.076	0.000	0.007	0.010	0.000000	0.000000	-767.51	-1737.85
1	FID	ACIS-S-4	7.01	773	0.206	0.037	0.005	0.009	0.000000	0.000000	2145.16	168.53
2	FID	ACIS-S-5	7.04	773	-0.162	-0.028	0.006	0.011	0.000000	0.000000	-1817.83	164.50
3	GUIDE	37224704	9.60	1540	0.272	-0.288	0.154	0.238	184.727896	4.645371	-760.84	2002.51
4	GUIDE	37357856	5.99	1545	-0.334	0.139	0.056	0.091	185.562598	4.854937	1275.27	-317.16
5	GUIDE	37360448	8.00	1545	0.228	-0.172	0.071	0.112	185.250831	4.537778	-249.57	154.70
6	GUIDE	37360744	9.07	1545	-0.088	0.280	0.095	0.161	185.839549	4.671352	1141.60	-1504.25
7	GUIDE	37750480	9.54	1535	-0.076	0.053	0.117	0.191	185.717050	5.052431	2162.10	-487.56

2.4 Star Slots

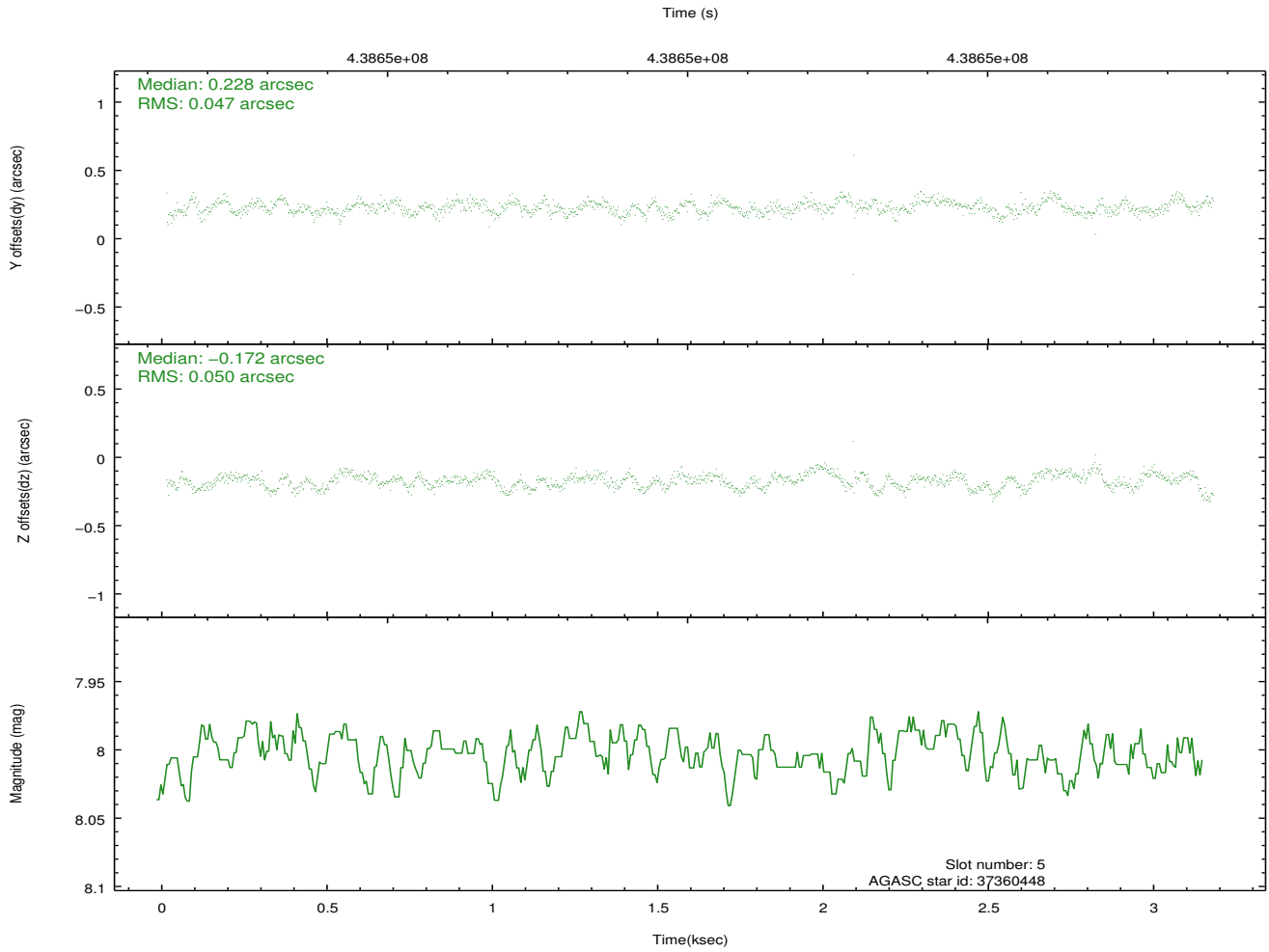
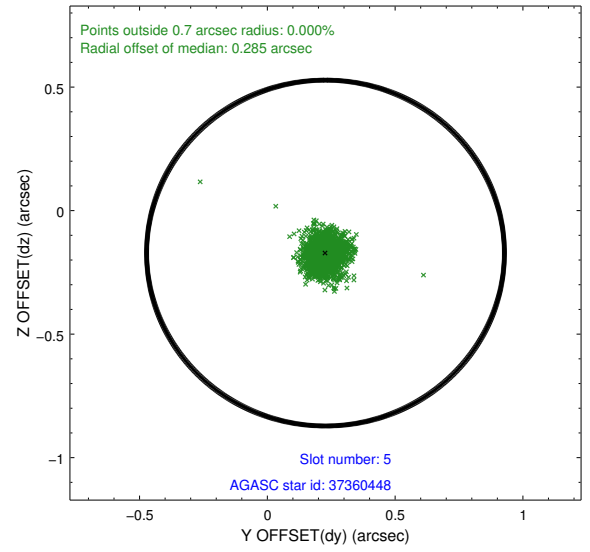
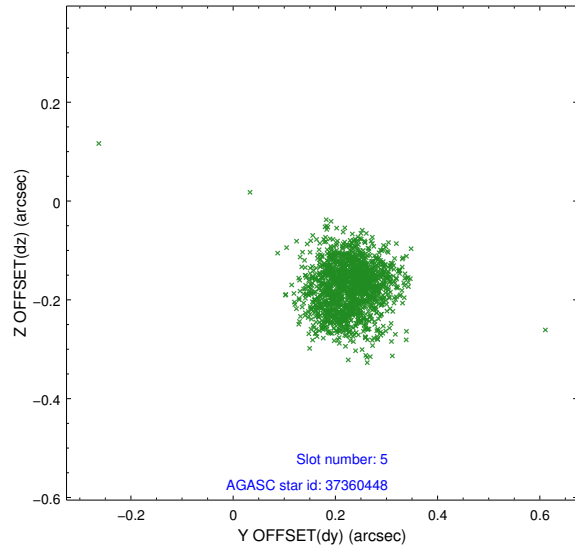
2.4.1 Slot 3



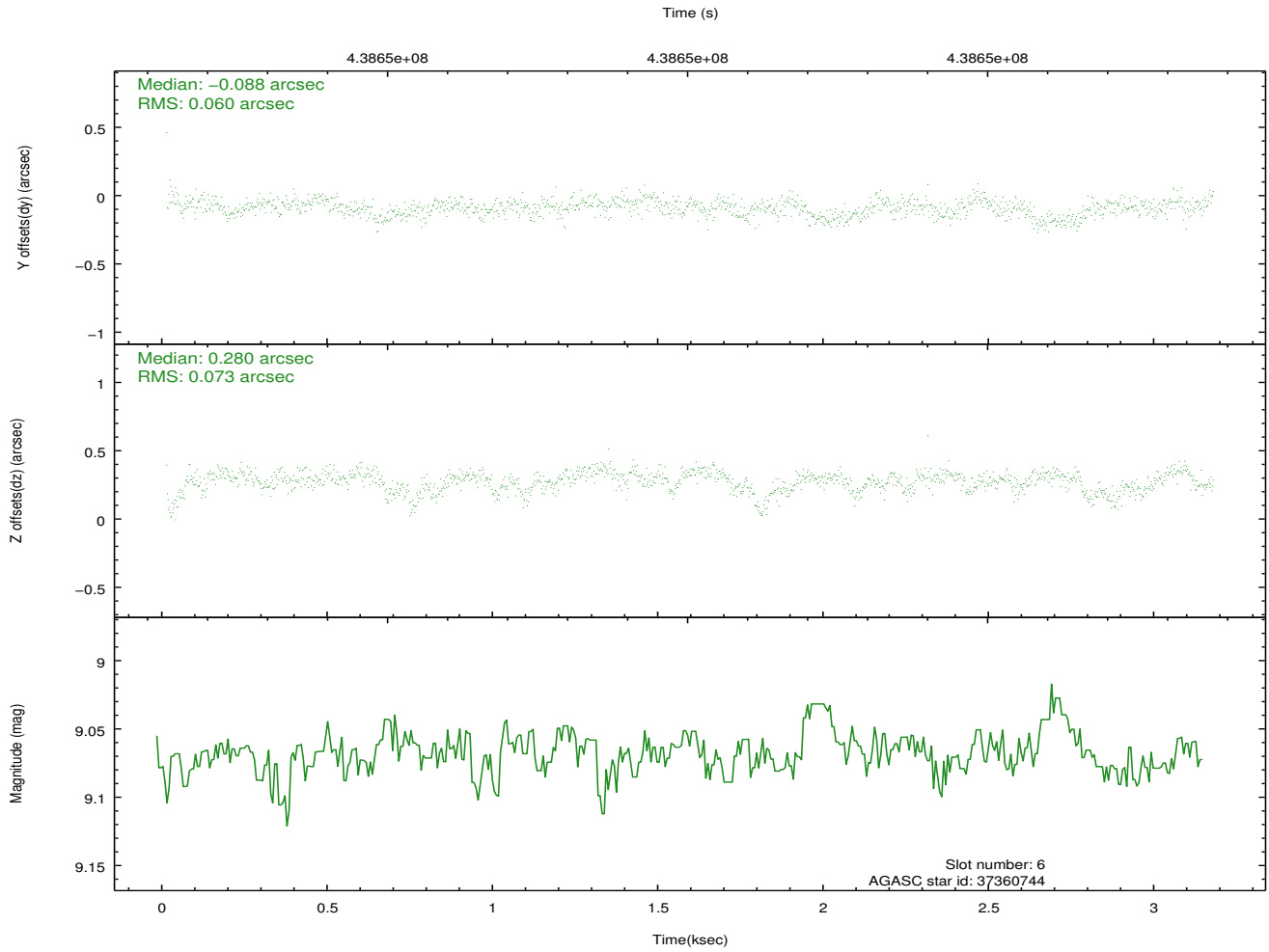
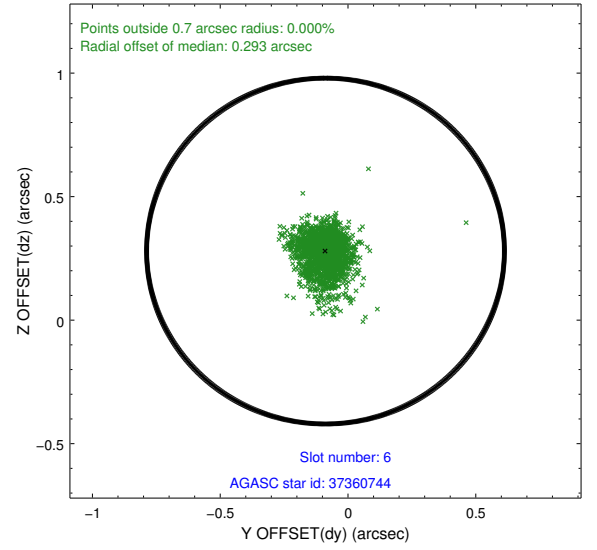
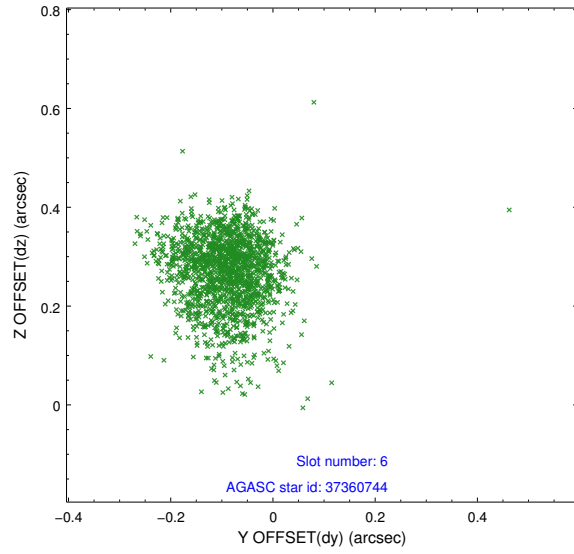
2.4.2 Slot 4



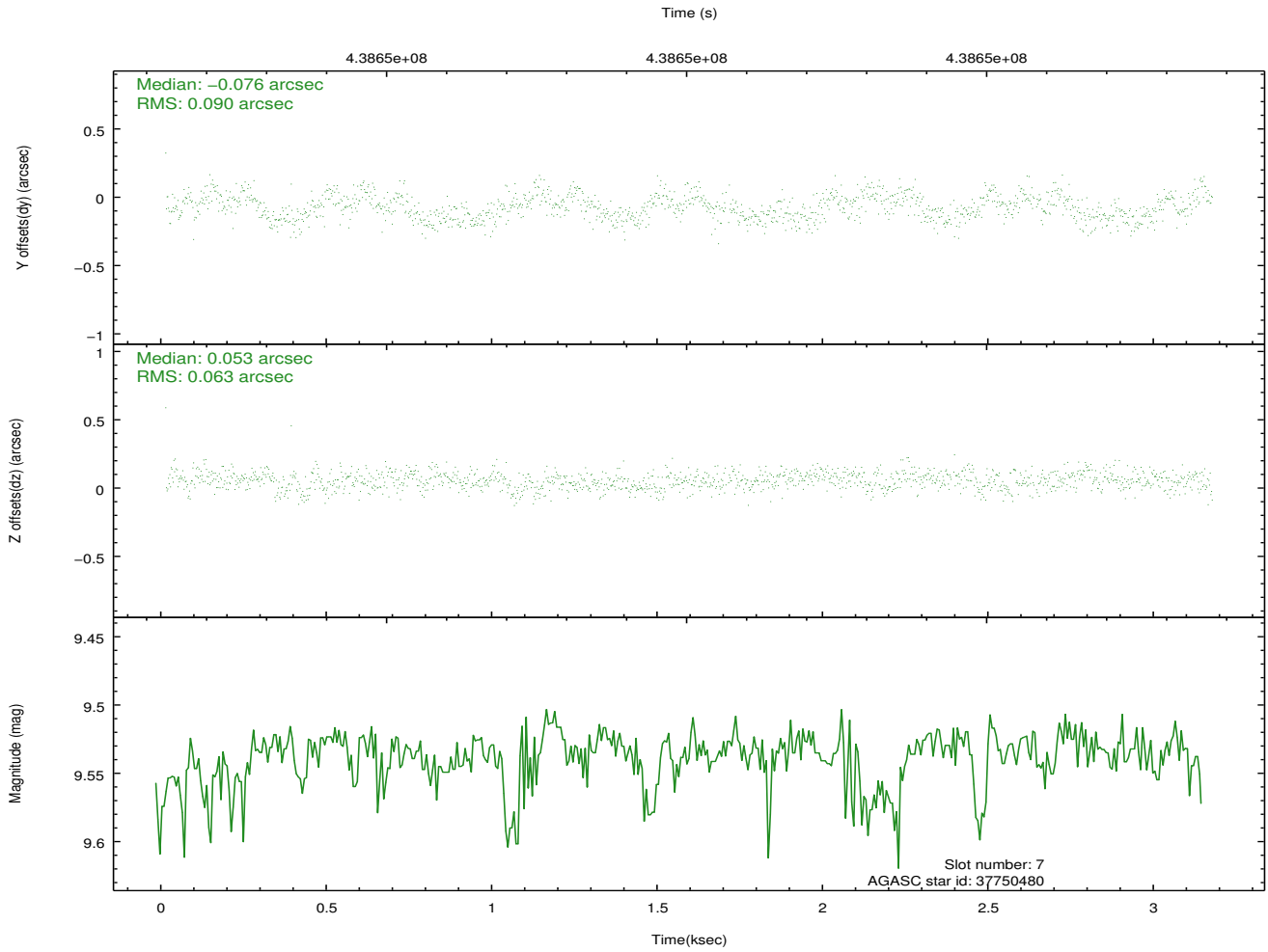
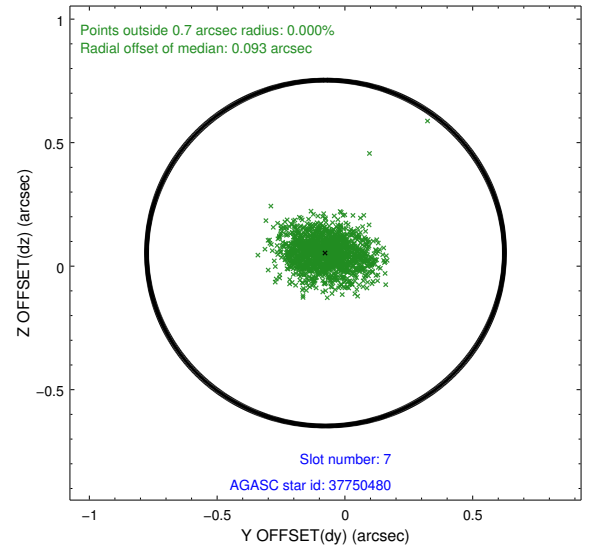
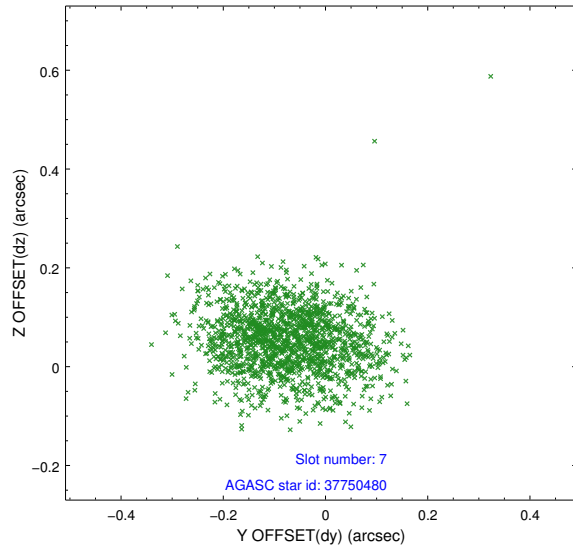
2.4.3 Slot 5



2.4.4 Slot 6

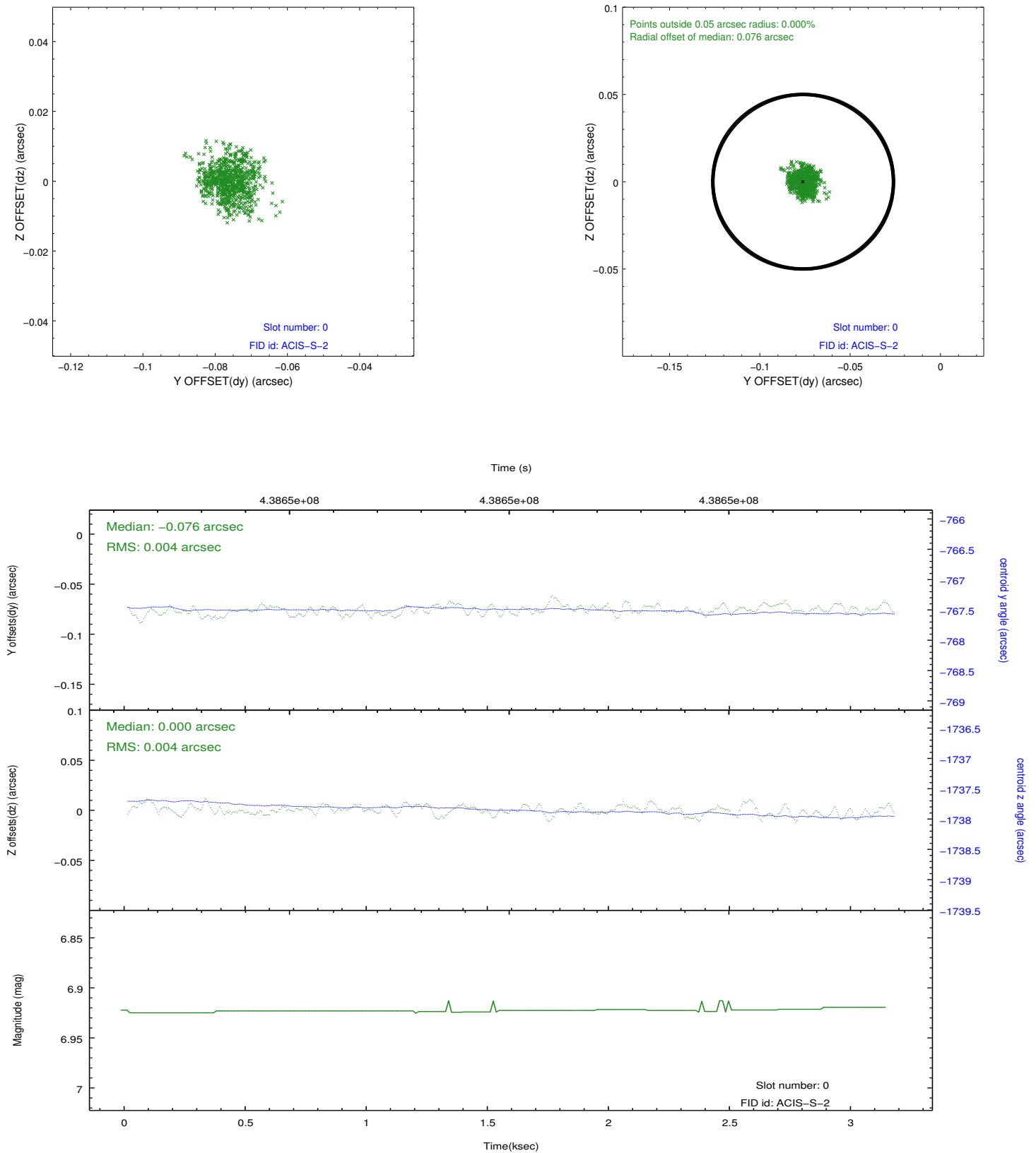


2.4.5 Slot 7

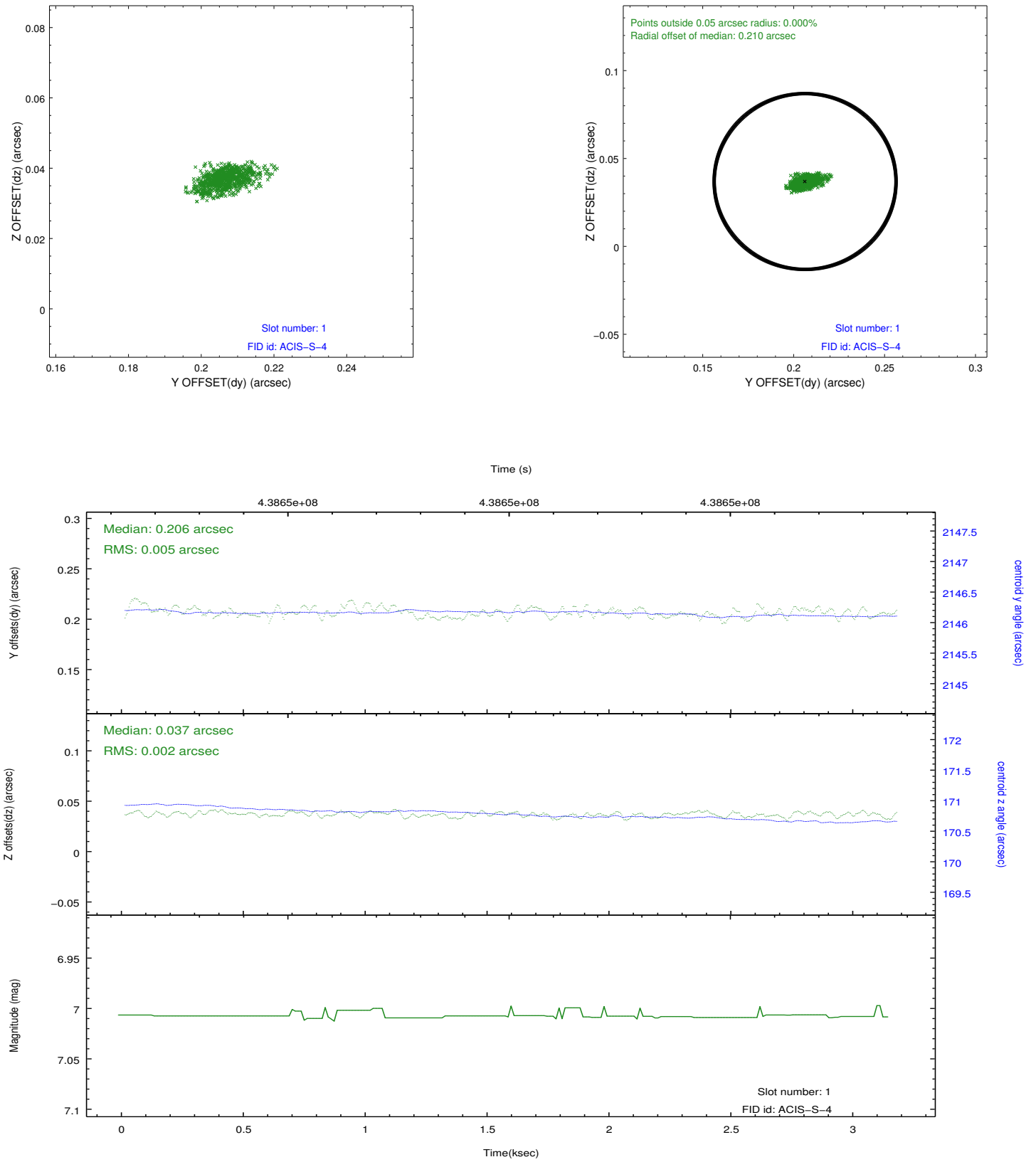


2.5 FID Slots

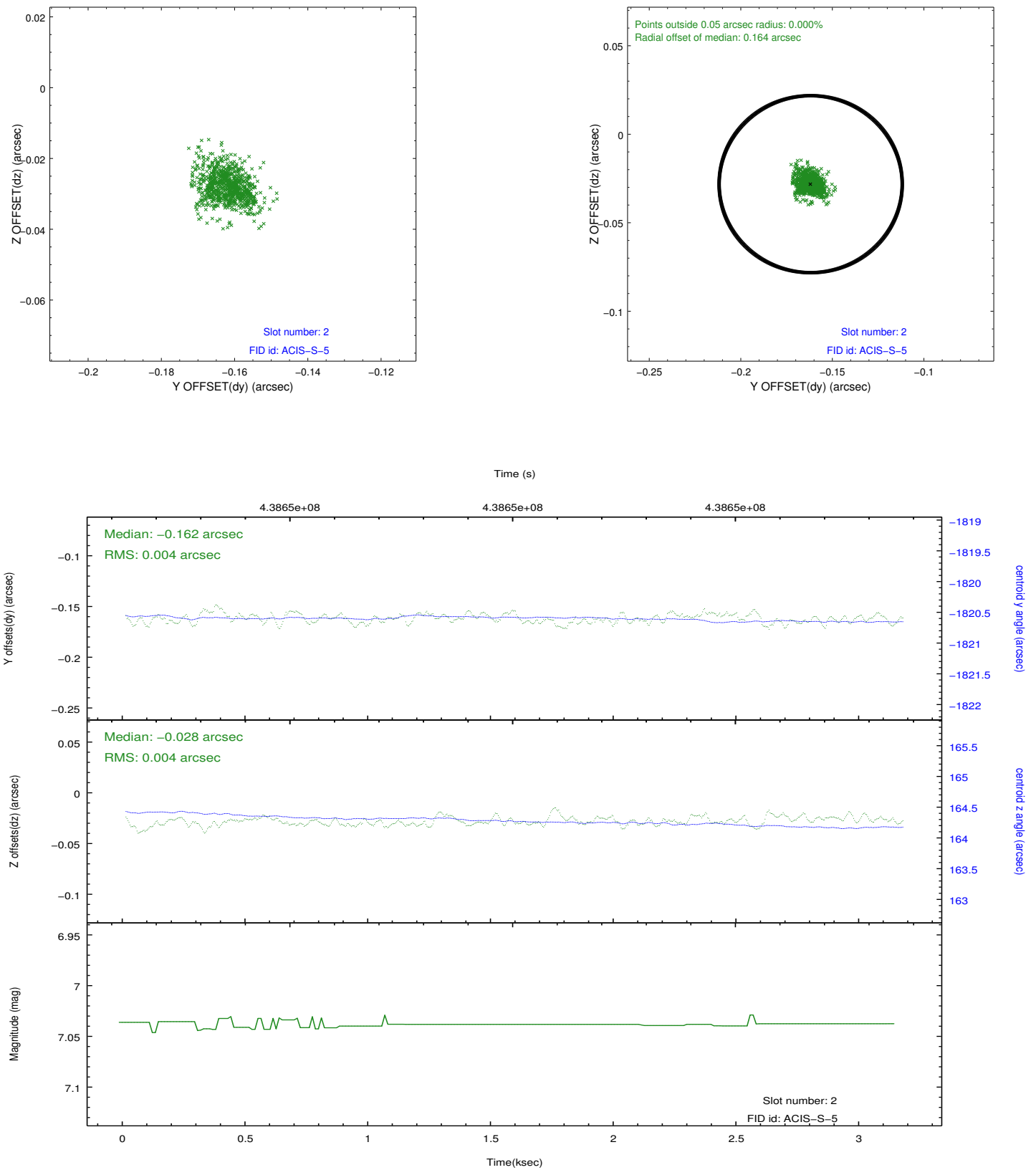
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9599999890327

A.2 Comments