

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7448 - L2 Version 2
Chandra X-Ray Center

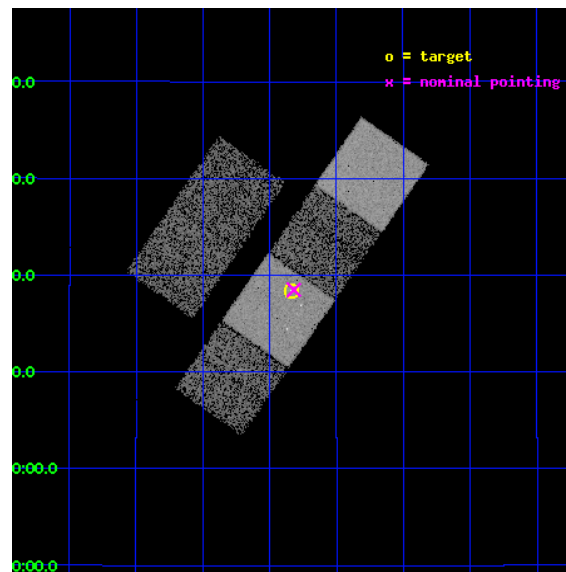
L2 Processing Date : May 1 2012

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1 Front

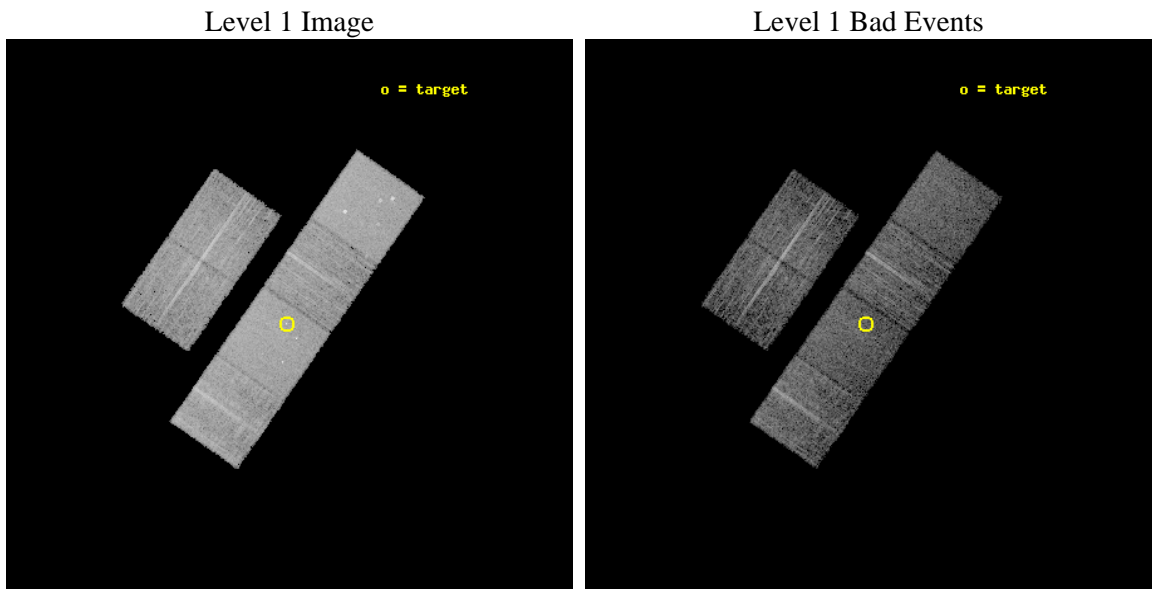
seq_num	200458	Sequence number
obs_id	7448	Observation id
title	The Age of a Stellar System Surrounded by Colliding Planetesimals	
observer	Prof. Benjamin Zuckerman	Principal investigator
object	BD +20 307	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	28.709583	Observer's specified target RA [deg]
dec_targ	21.30625	Observer's specified target Dec [deg]
ra_nom	28.70475070757	Nominal RA [deg]
dec_nom	21.308191872902	Nominal Dec [deg]
roll_nom	124.83607199485	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4982.3999814987	Sum of GTIs [s]
livetime	4919.3098328919	Livetime [s]
ontime2	4982.3999814987	Sum of GTIs [s]
ontime3	4982.3999814987	Sum of GTIs [s]
ontime5	4982.3999814987	Sum of GTIs [s]
ontime6	4982.3999814987	Sum of GTIs [s]
ontime7	4982.3999814987	Sum of GTIs [s]
ontime8	4982.3999814987	Sum of GTIs [s]
l2events	80957	Number of level 2 events



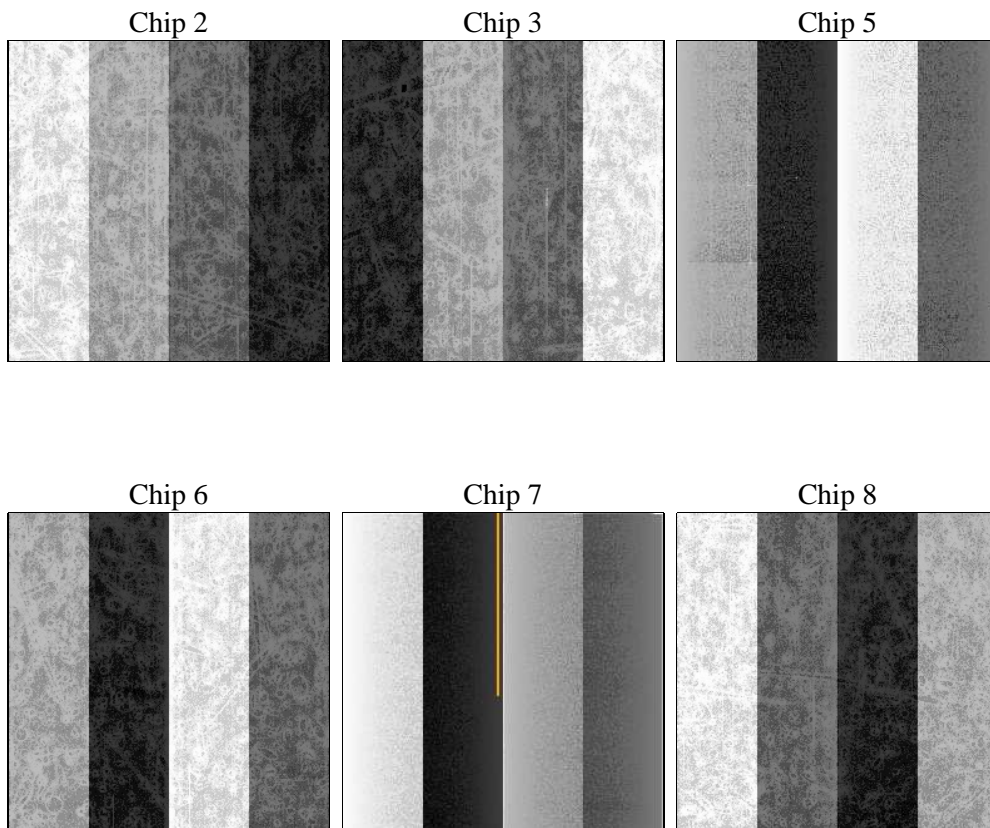
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4982.3999814987	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4982.3999814987	Sum of GTIs [s]
date	2012-05-01T21:37:11	Date and time of file creation	ontime3	4982.3999814987	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4982.3999814987	Sum of GTIs [s]
			ontime6	4982.3999814987	Sum of GTIs [s]
			ontime7	4982.3999814987	Sum of GTIs [s]
			ontime8	4982.3999814987	Sum of GTIs [s]
			l1events	351452	Number of level 1 events

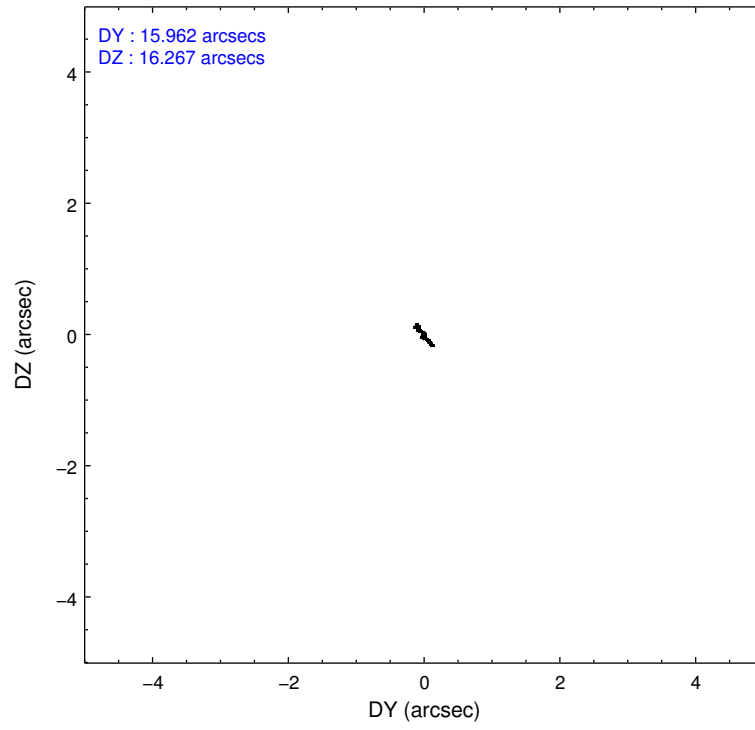
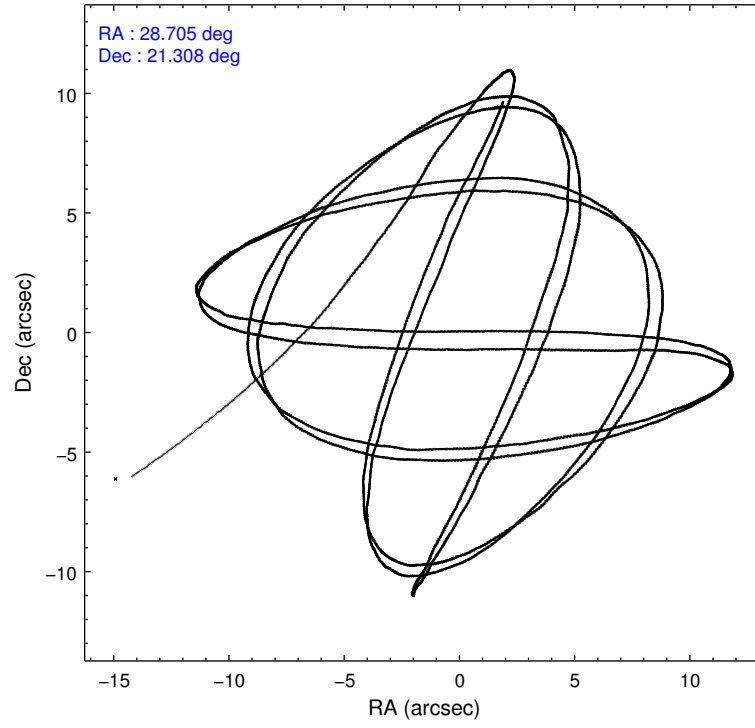
2.1.4 Events

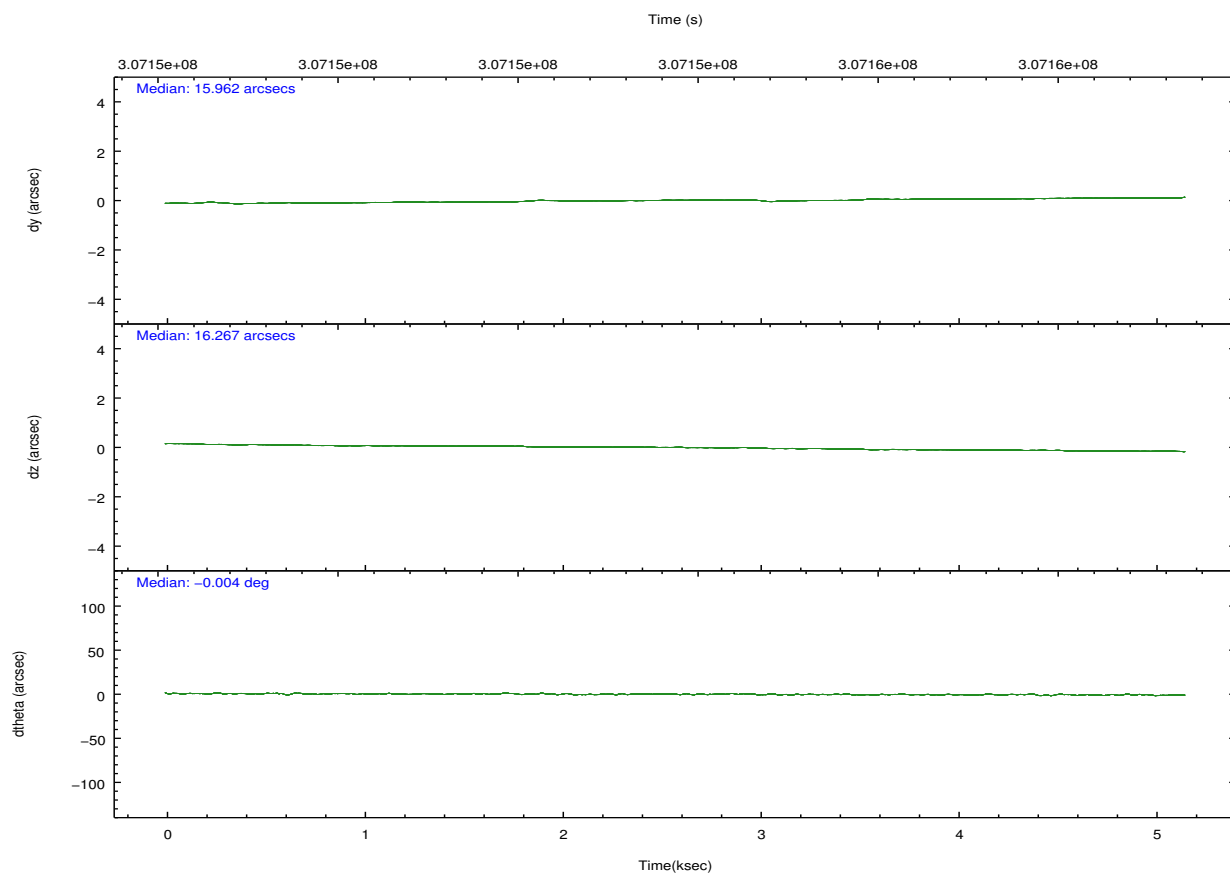
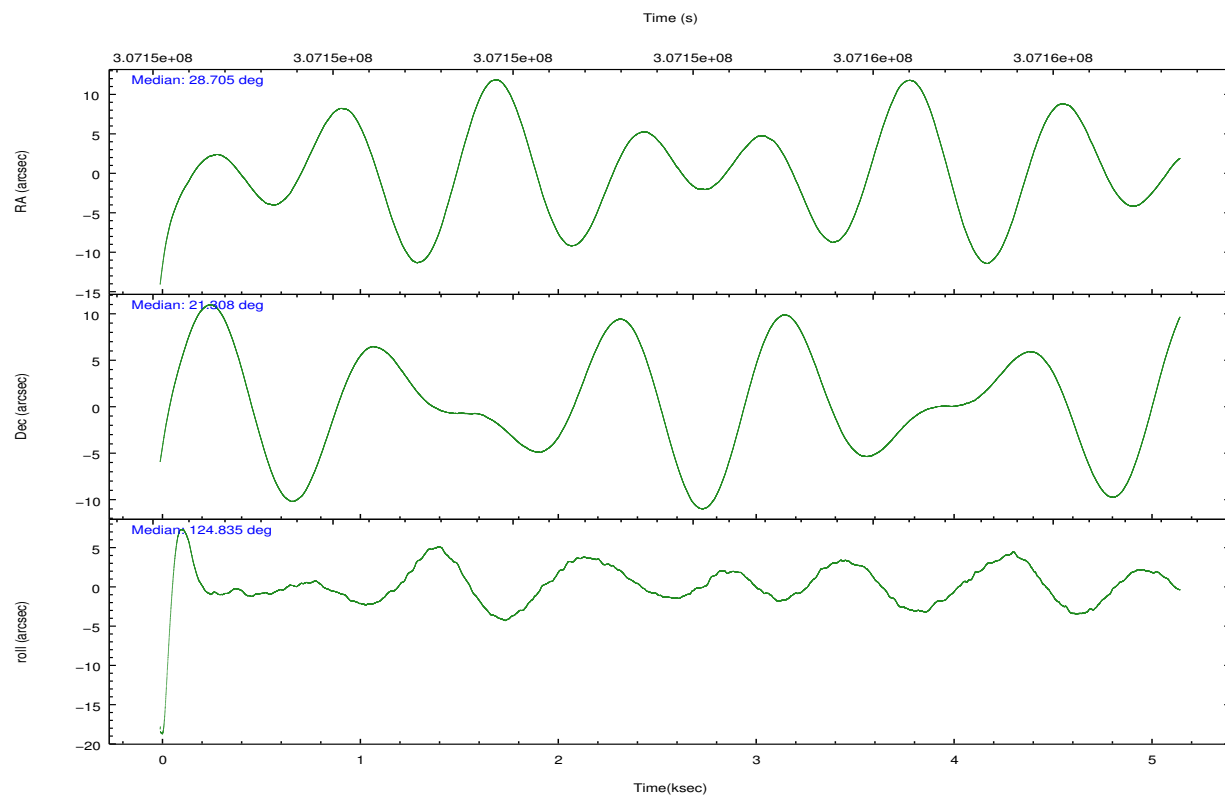
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50663	47155	73929	49925	67257	62523	grade 0 events	2505	2531	3626	2303	2658	4353
rejected events	44888	41359	39368	44088	38641	48757		4%	5%	4%	4%	3%	6%
rejected %	88%	87%	53%	88%	57%	77%	grade 1 events	27	27	121	33	64	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	1201	1130	10403	1285	5830	3208
								2%	2%	14%	2%	8%	5%
							grade 3 events	523	535	1261	577	2472	1305
								1%	1%	1%	1%	3%	2%
							grade 4 events	549	564	1179	522	2436	1249
								1%	1%	1%	1%	3%	1%
							grade 5 events	1878	2174	5188	2374	6263	3050
								3%	4%	7%	4%	9%	4%
							grade 6 events	1000	1039	18113	1153	15238	3655
								1%	2%	24%	2%	22%	5%
							grade 7 events	42980	39155	34038	41678	32296	45662
								84%	83%	46%	83%	48%	73%

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	28.731542	28.70475070757044	CCD I2 on	Y	Y
[deg] Pointing Dec	21.296897	21.30819187290225	CCD I3 on	Y	Y
[deg] Pointing Roll	124.669780	124.8360719948465	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	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	O1	Y
[s] Observation start time (MET)	307151437.184000	307150460.41067	CCD S5 on	N	N
Observation start date	2007-09-25T23:49:32	2007-09-25T23:34:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	307156437.184000	307157440.1485	On-chip summing requested	N	N
Observation end date	2007-09-26T01:12:52	2007-09-26T01:30:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



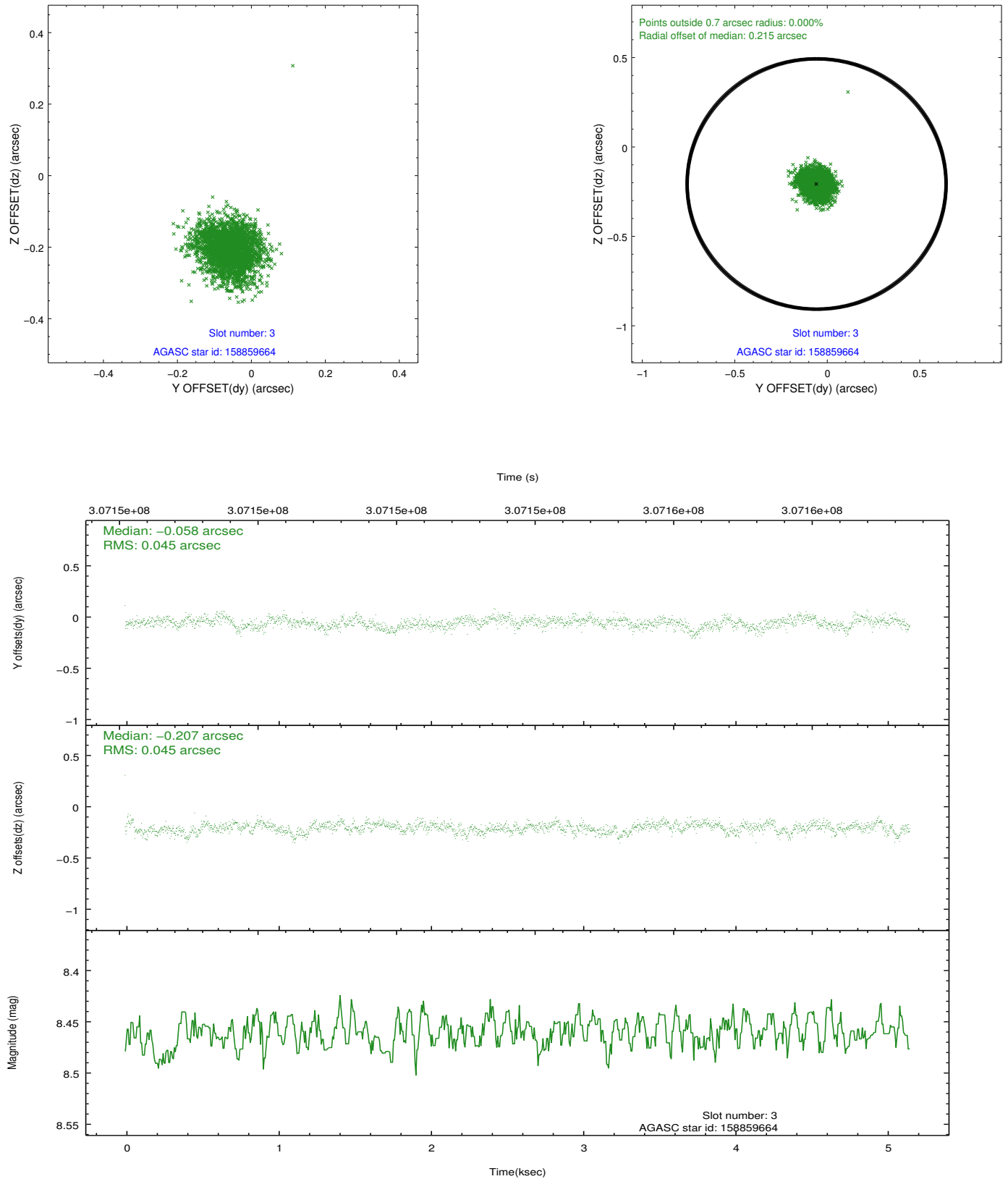


Slot Statistics

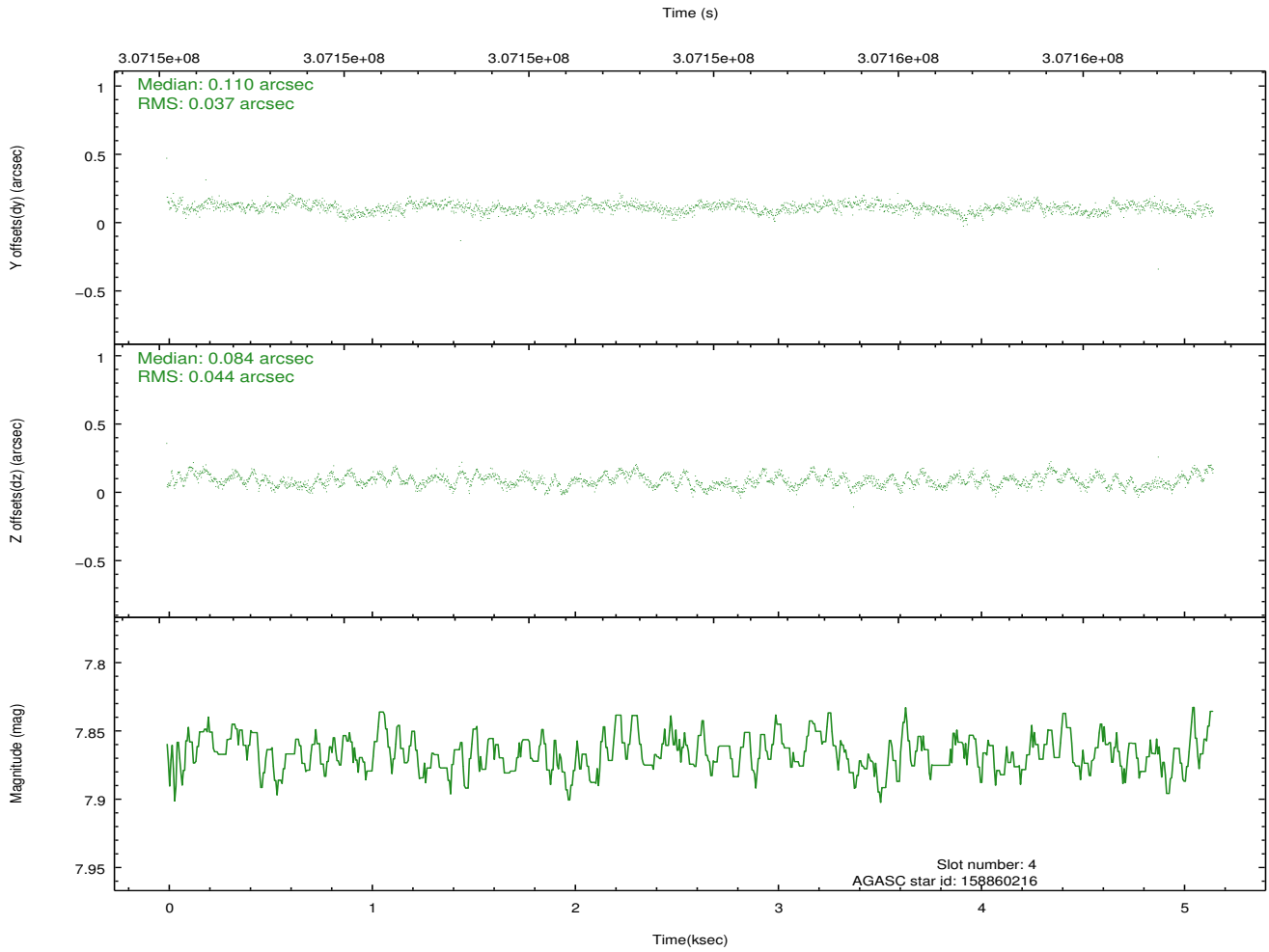
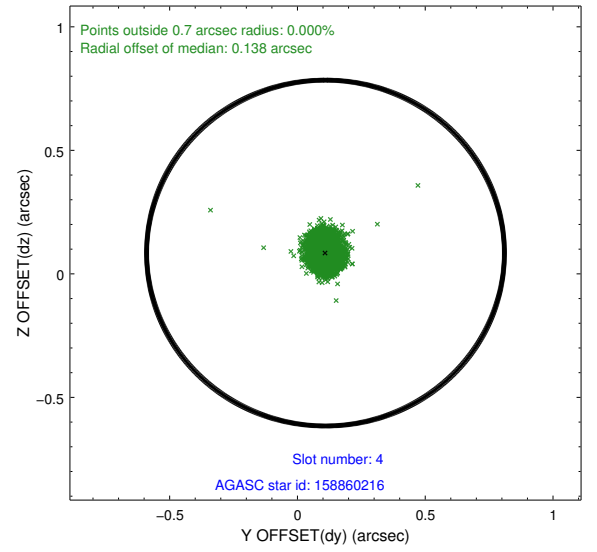
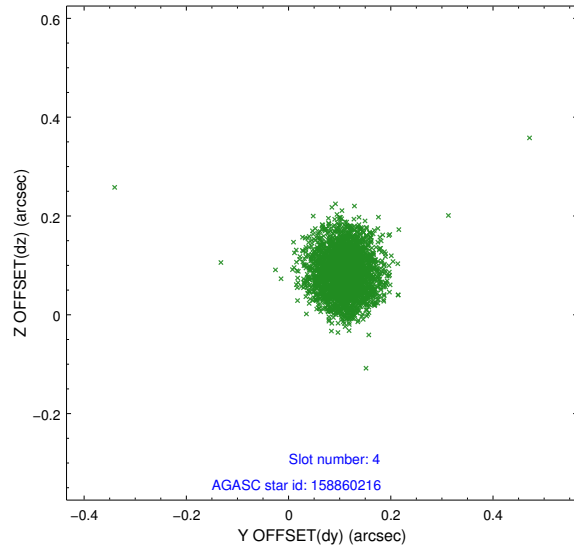
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1257	-0.092	-0.027	0.006	0.010	0.000000	0.000000	-769.06	-1737.69
1	FID	ACIS-S-4	7.19	1257	0.175	0.051	0.005	0.010	0.000000	0.000000	2143.96	169.63
2	FID	ACIS-S-5	7.22	1257	-0.115	-0.015	0.007	0.012	0.000000	0.000000	-1820.40	164.60
3	GUIDE	158859664	8.46	2509	-0.058	-0.207	0.067	0.108	28.363699	21.628368	1682.76	332.39
4	GUIDE	158860216	7.87	2514	0.110	0.084	0.061	0.094	29.044406	21.342391	-460.16	-956.35
5	GUIDE	158861544	9.08	2512	-0.009	-0.150	0.077	0.124	28.433321	21.301739	583.94	811.64
6	GUIDE	158863008	7.95	2515	-0.163	0.165	0.058	0.093	28.582117	21.889066	2037.78	-801.76
7	GUIDE	158999400	8.52	2514	0.122	0.111	0.087	0.139	29.484899	21.368891	-1217.65	-2228.41

2.4 Star Slots

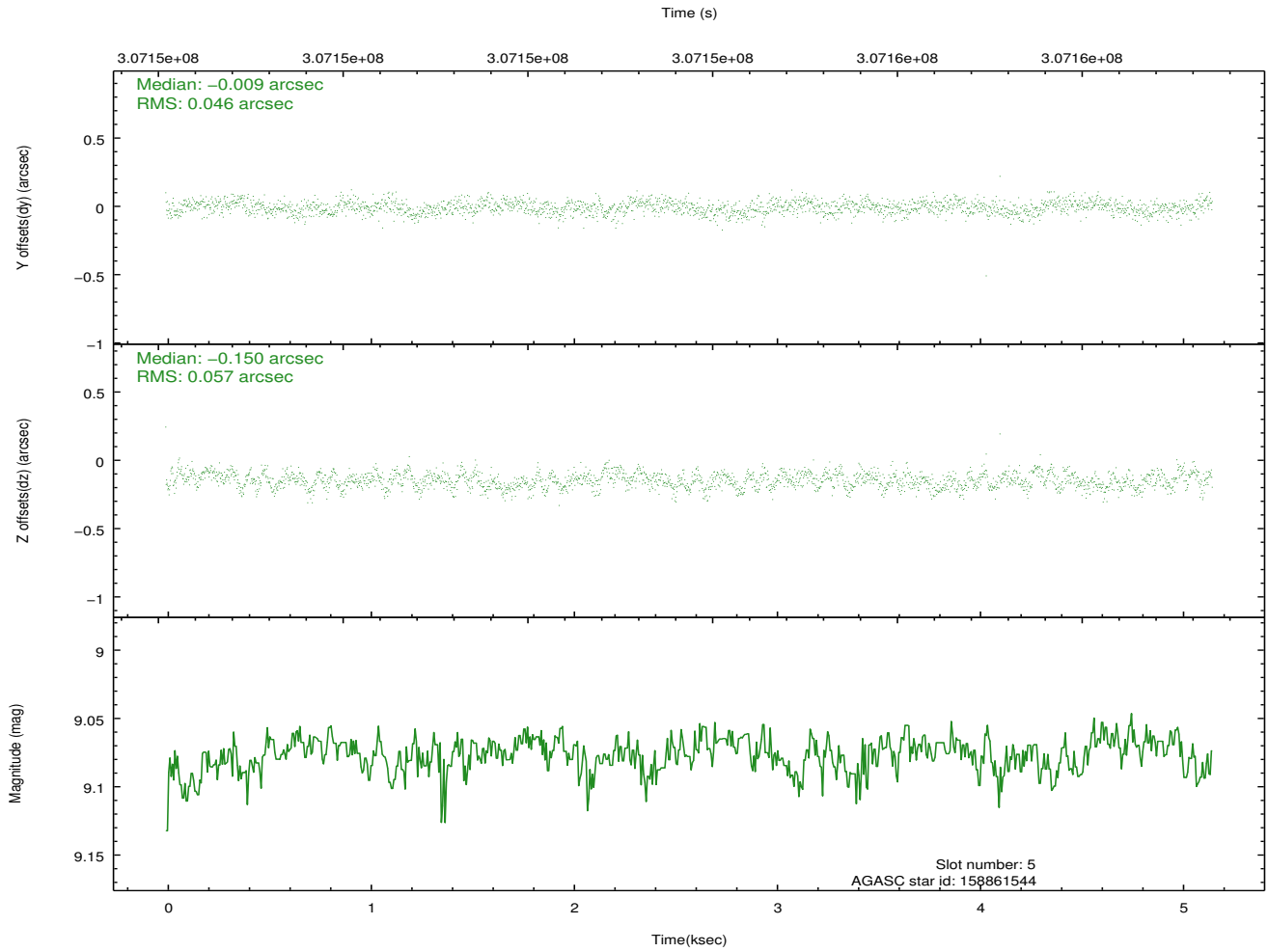
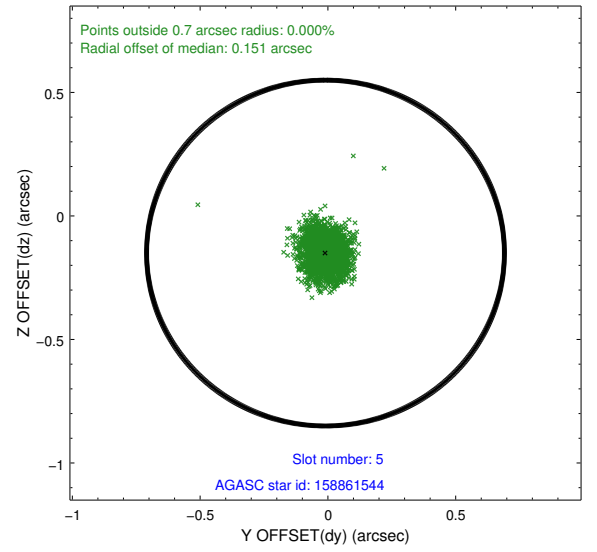
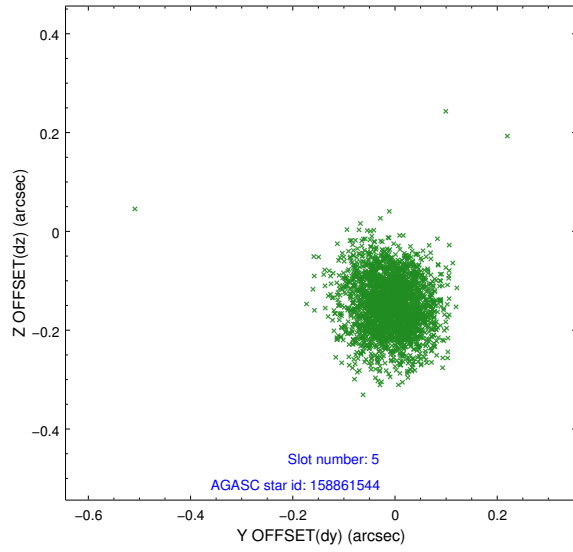
2.4.1 Slot 3



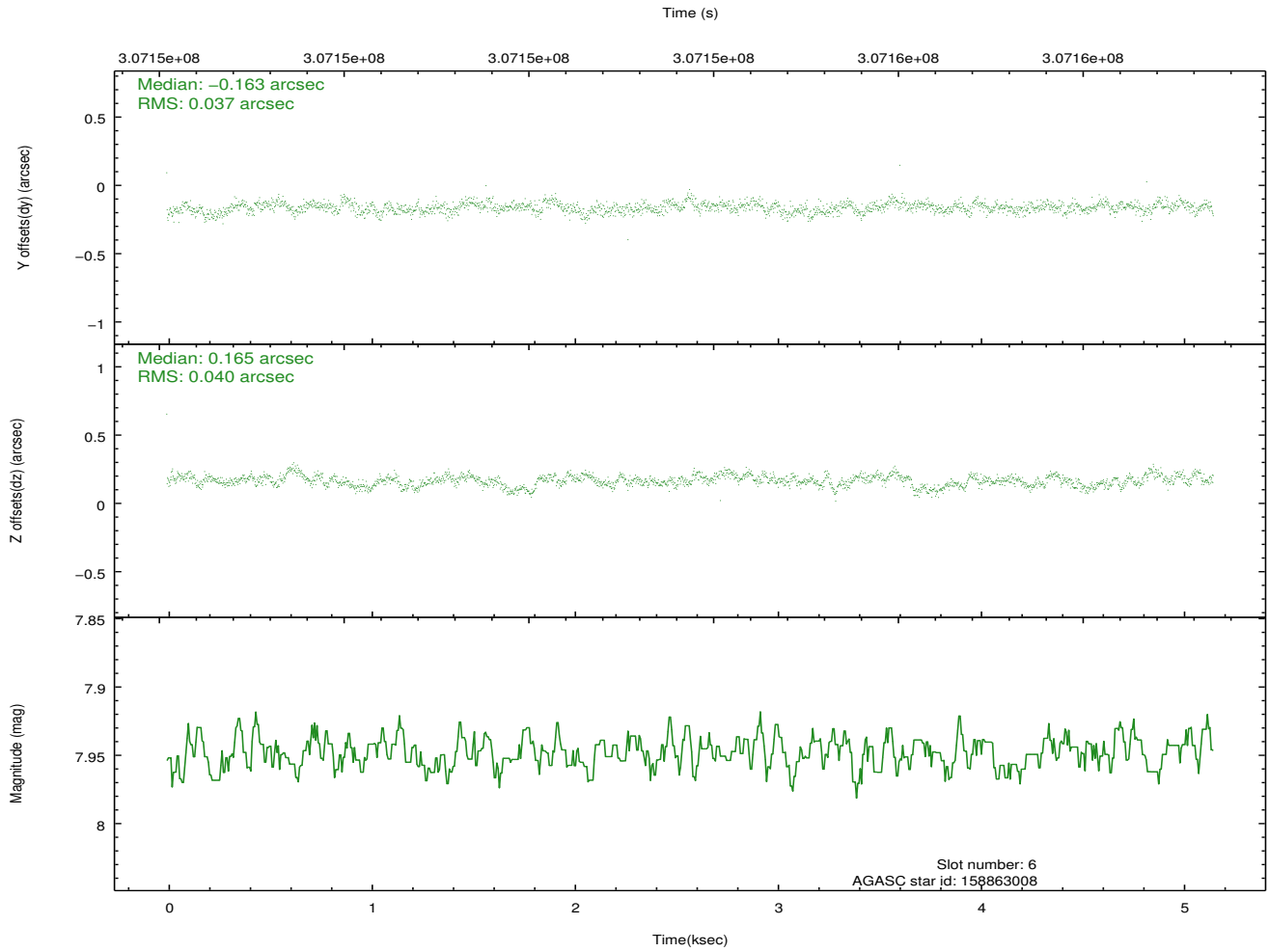
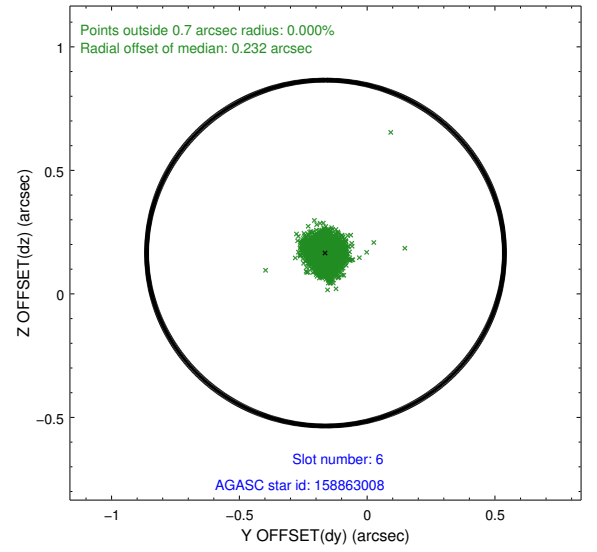
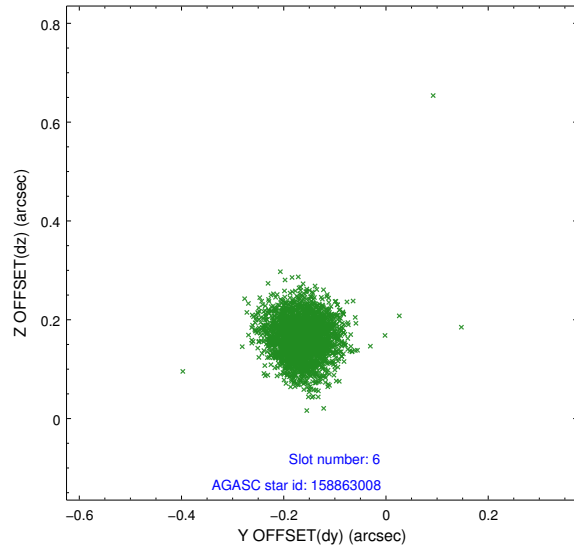
2.4.2 Slot 4



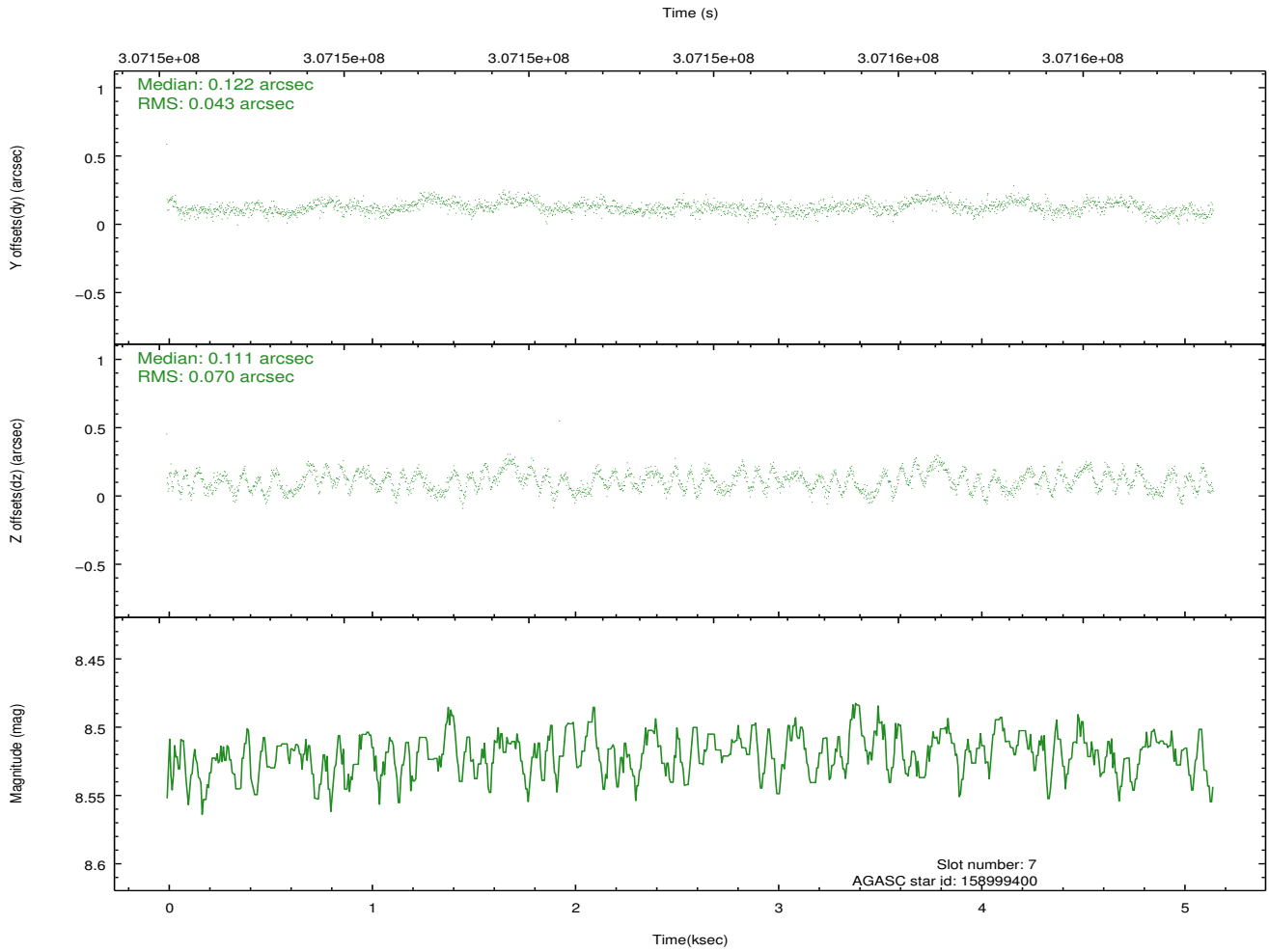
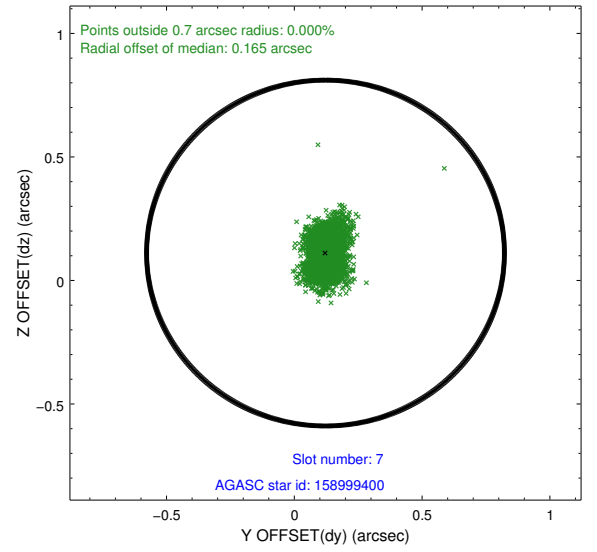
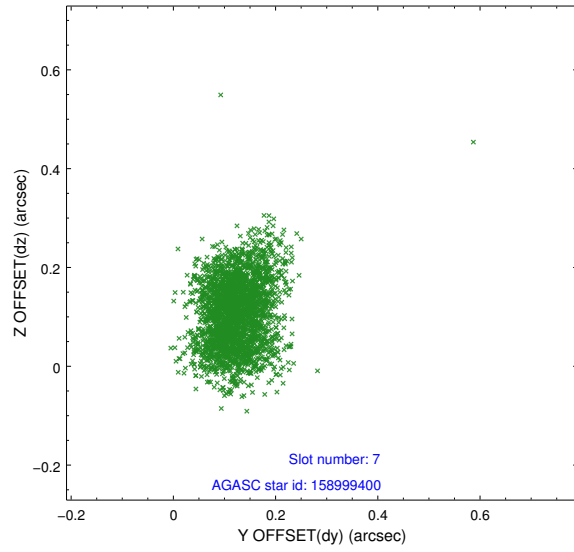
2.4.3 Slot 5



2.4.4 Slot 6

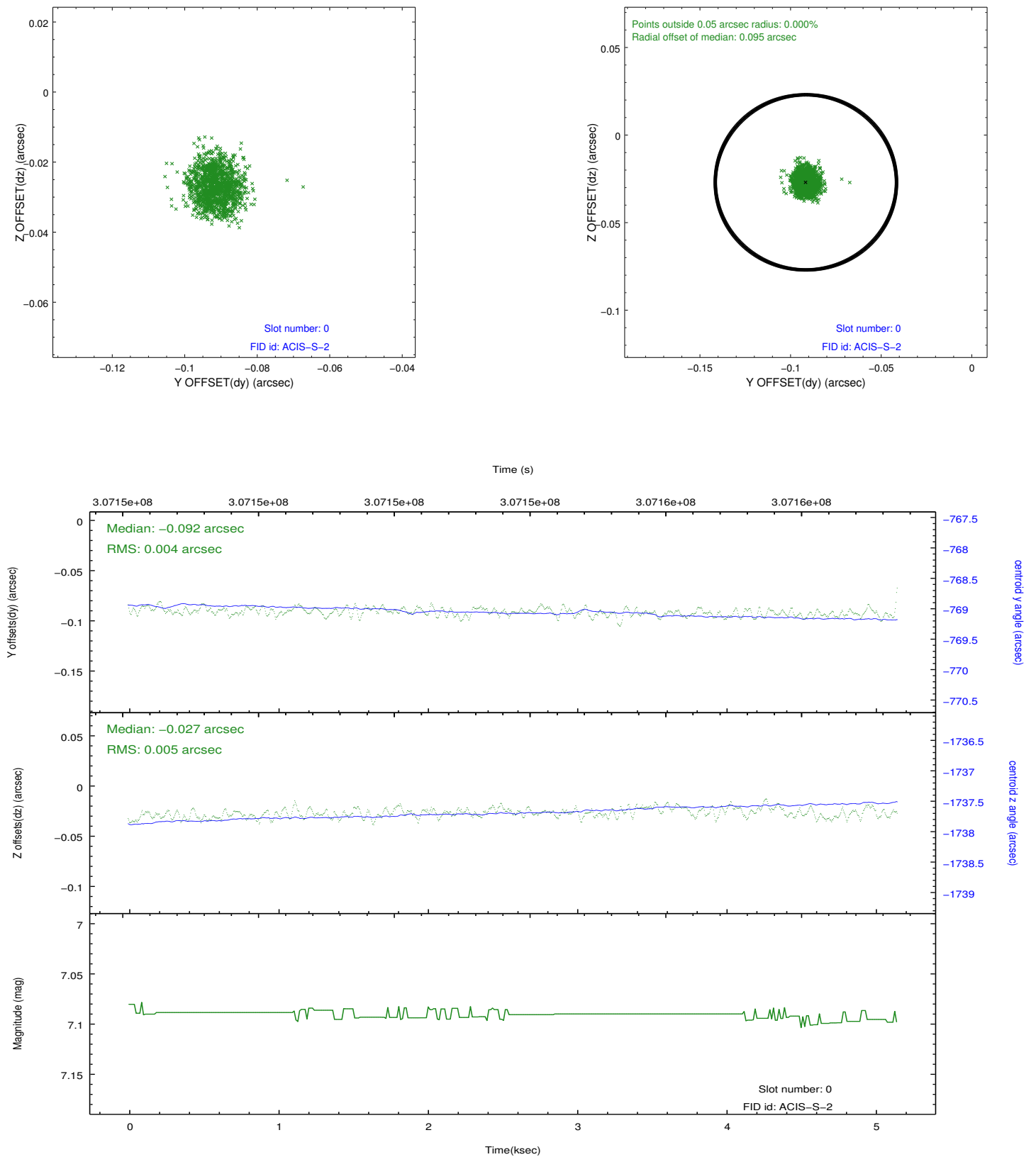


2.4.5 Slot 7

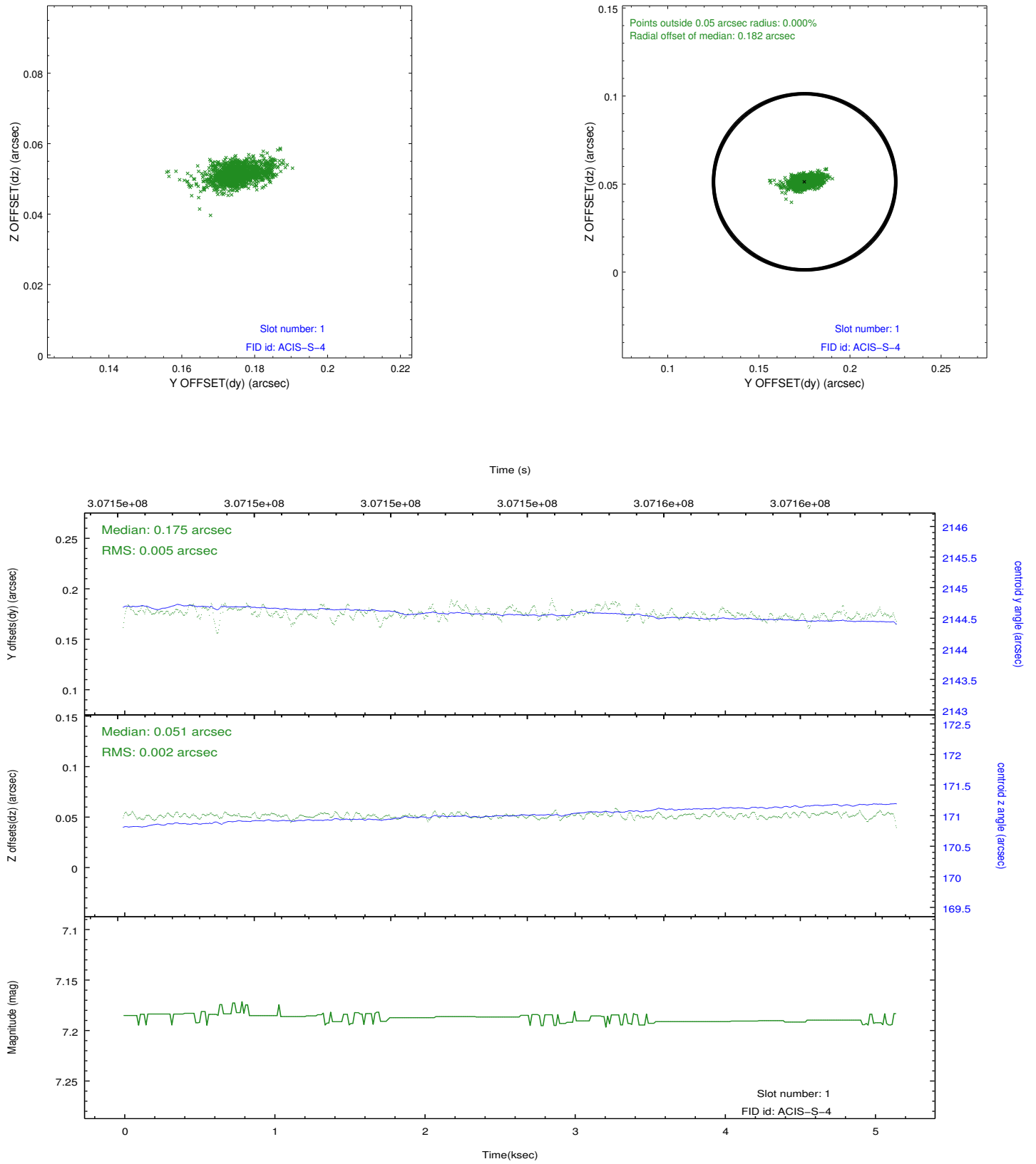


2.5 FID Slots

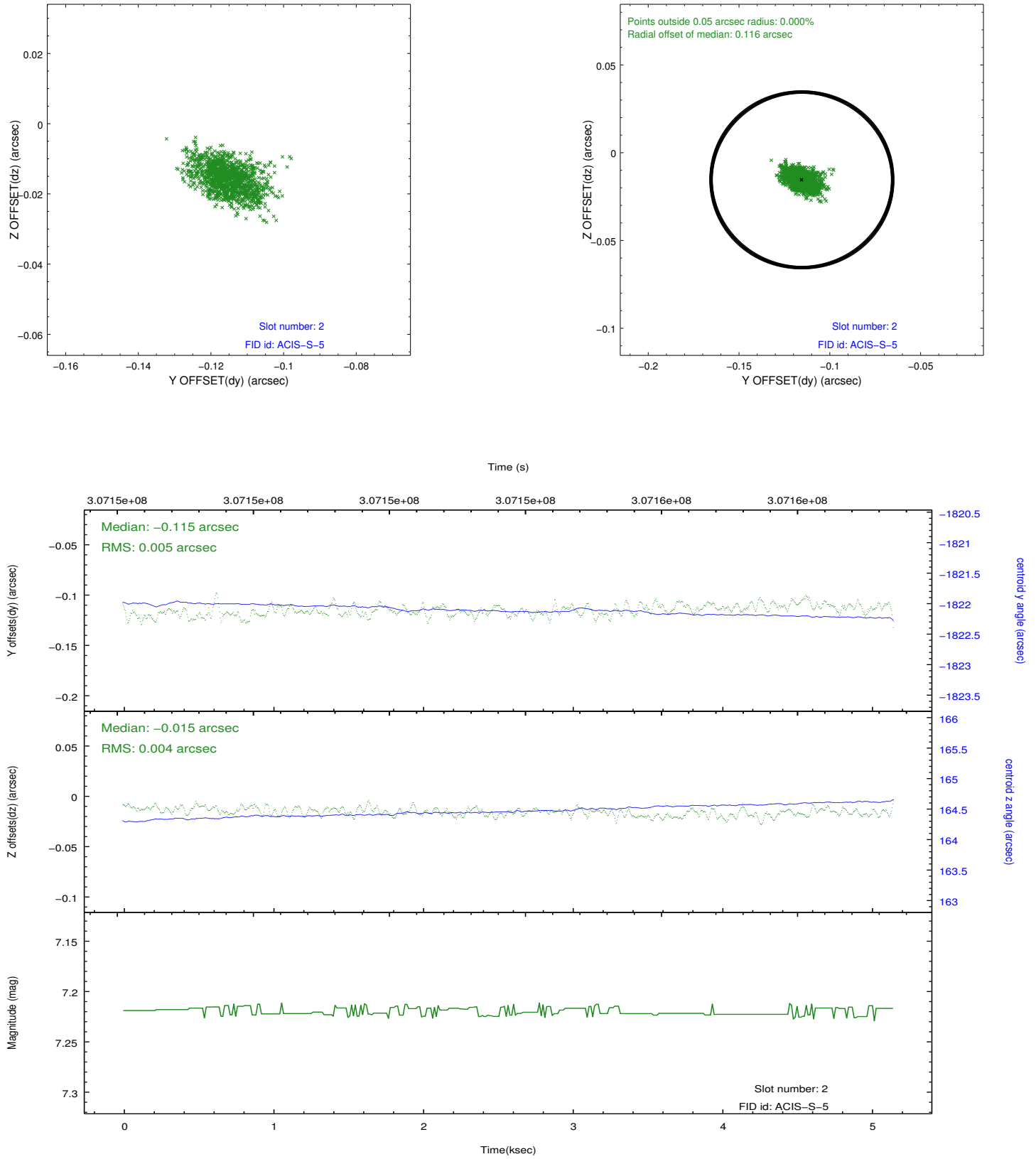
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.98239998

A.2 Comments