

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7373 - L2 Version 2
Chandra X-Ray Center

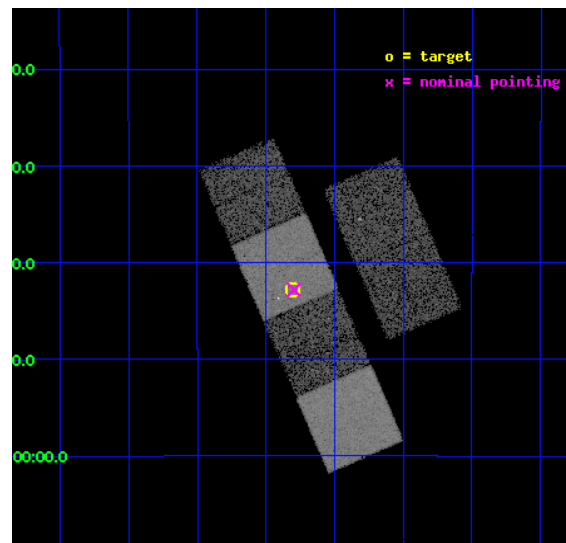
L2 Processing Date : Apr 6 2012

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1 Front

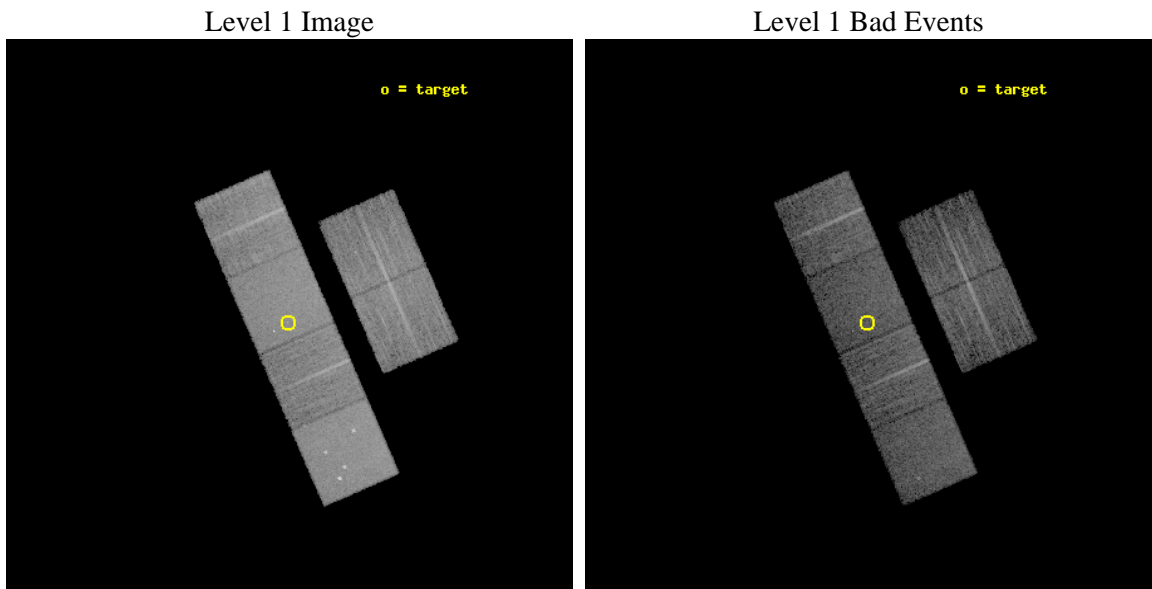
seq_num	600607	Sequence number
obs_id	7373	Observation id
title	Accurate X-ray position of a possible $>10^{41}$ erg/s ULX: evidence for an intermediate-mass black hole?	Proposal title
observer	Giovanni Miniutti	Principal investigator
object	XMMU J132218.3-164247	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	200.57625	Observer's specified target RA [deg]
dec_targ	-16.71325	Observer's specified target Dec [deg]
ra_nom	200.57415188548	Nominal RA [deg]
dec_nom	-16.713762631115	Nominal Dec [deg]
roll_nom	246.48900587734	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7183.9999732971	Sum of GTIs [s]
livetime	7093.0318399498	Livetime [s]
ontime2	7183.9999732971	Sum of GTIs [s]
ontime3	7183.9999732971	Sum of GTIs [s]
ontime5	7183.9999732971	Sum of GTIs [s]
ontime6	7183.9999732971	Sum of GTIs [s]
ontime7	7183.9999732971	Sum of GTIs [s]
ontime8	7183.9999732971	Sum of GTIs [s]
l2events	106903	Number of level 2 events



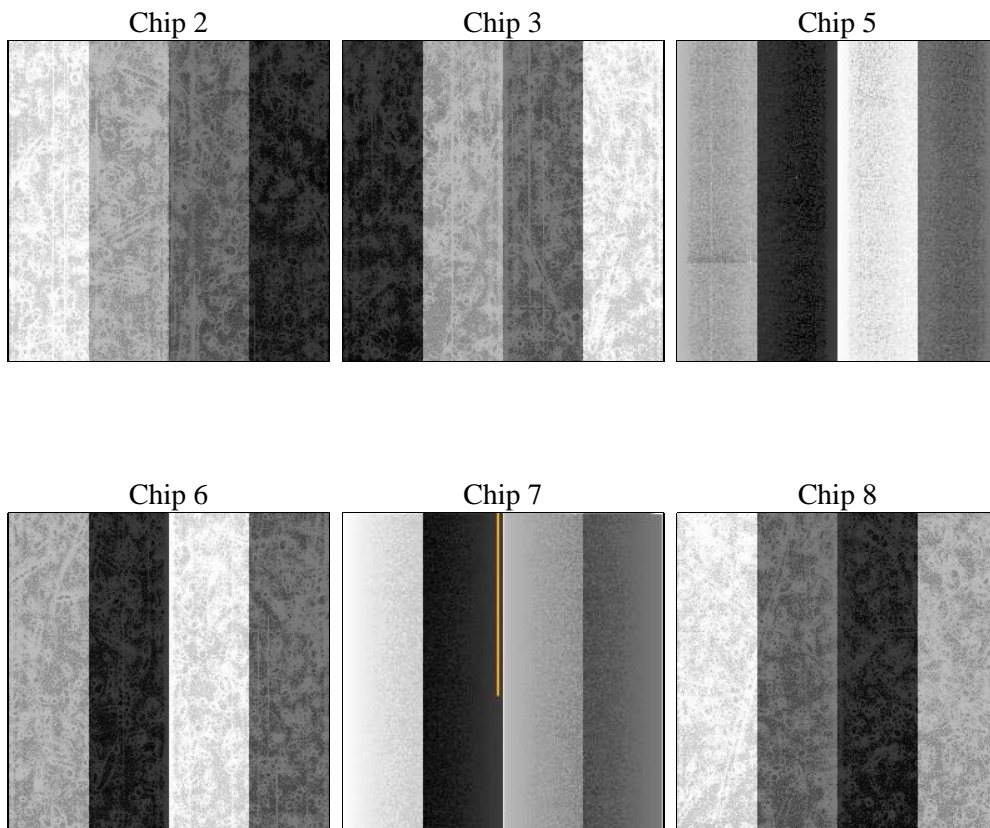
2 OBI

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	8.4.3.1	Processing system revision	ontime	7183.9999732971	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	7183.9999732971	Sum of GTIs [s]
date	2012-04-06T03:19:59	Date and time of file creation	ontime3	7183.9999732971	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7183.9999732971	Sum of GTIs [s]
			ontime6	7183.9999732971	Sum of GTIs [s]
			ontime7	7183.9999732971	Sum of GTIs [s]
			ontime8	7183.9999732971	Sum of GTIs [s]
			l1events	467300	Number of level 1 events

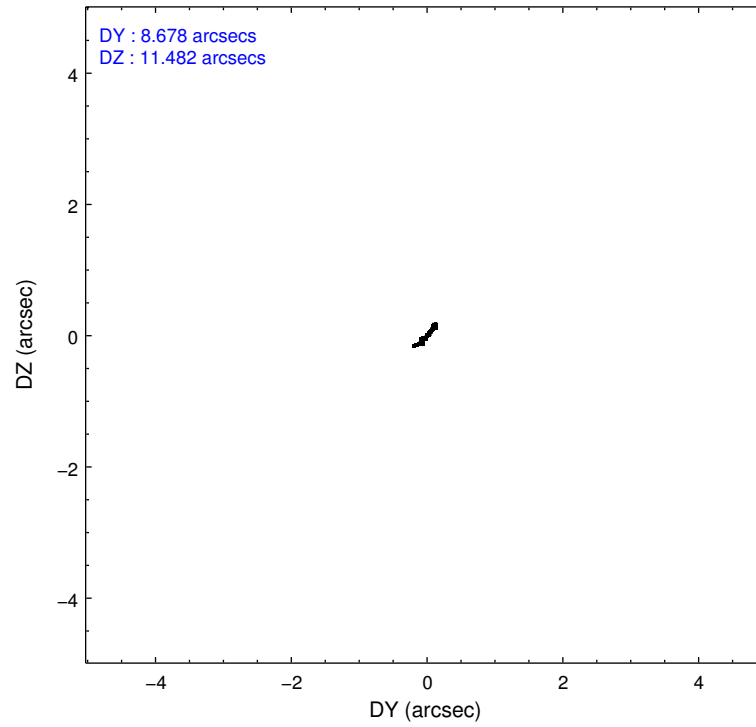
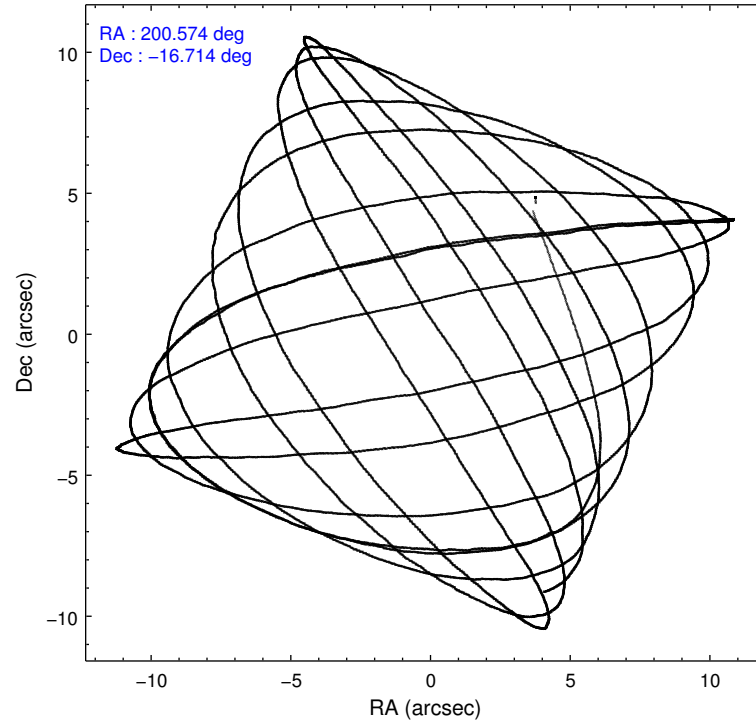
2.1.4 Events

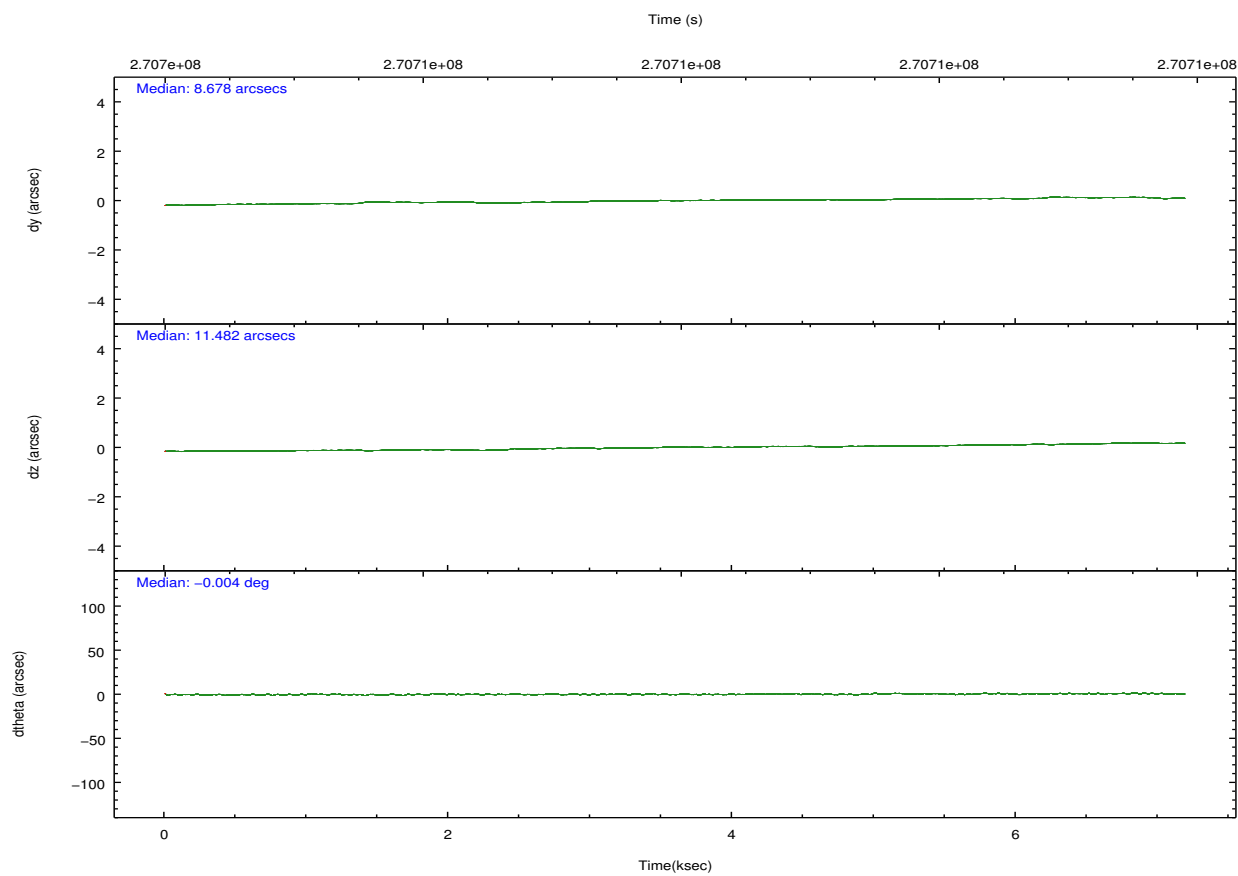
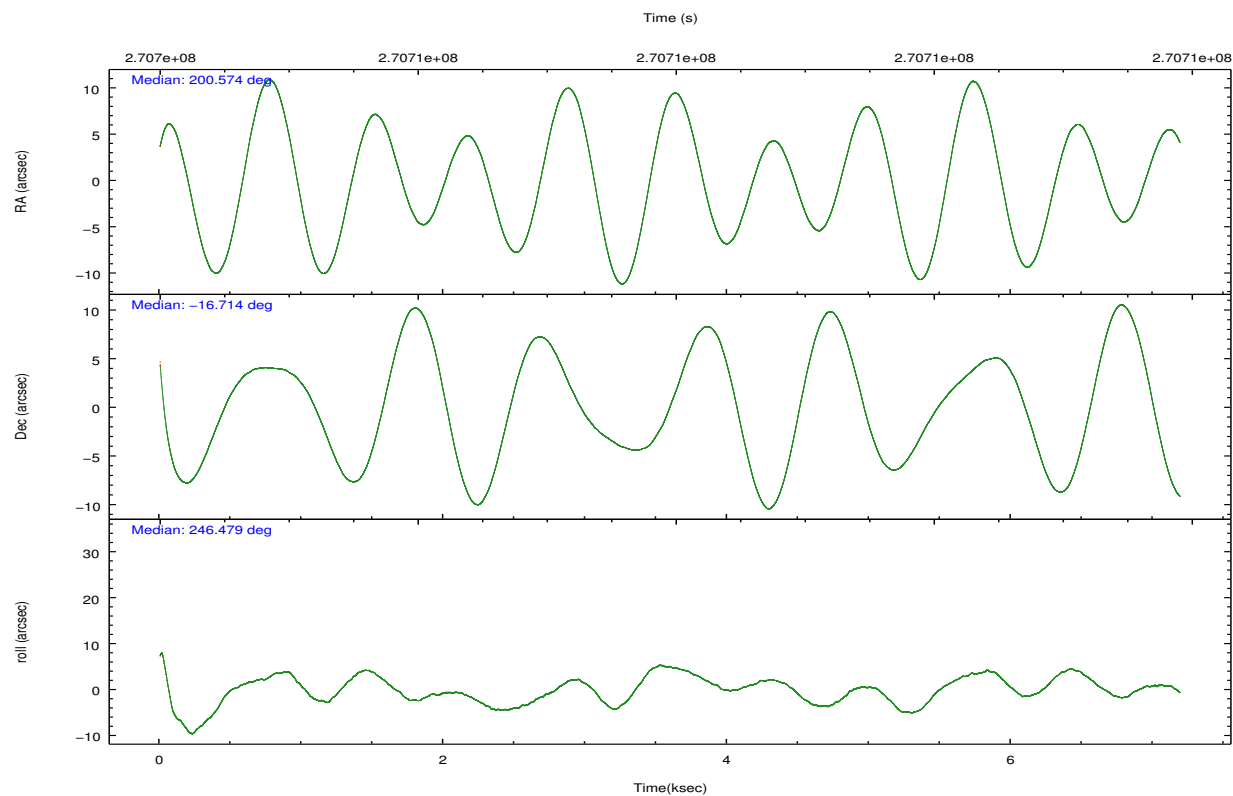
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	67818	62664	100073	66369	89849	80527	grade 0 events	3421	3285	6025	3057	3623	5710
rejected events	60125	55204	53059	58586	51946	62970		5%	5%	6%	4%	4%	7%
rejected %	88%	88%	53%	88%	57%	78%	grade 1 events	36	44	272	39	107	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	1635	1478	14099	1766	7815	3751
								2%	2%	14%	2%	8%	4%
							grade 3 events	674	718	1770	749	3401	1991
								0%	1%	1%	1%	3%	2%
							grade 4 events	736	707	1667	729	3247	1831
								1%	1%	1%	1%	3%	2%
							grade 5 events	2473	2846	7099	3005	8466	4090
								3%	4%	7%	4%	9%	5%
							grade 6 events	1259	1305	23678	1510	19974	4404
								1%	2%	23%	2%	22%	5%
							grade 7 events	57584	52281	45463	55514	43216	58698
								84%	83%	45%	83%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	200.570537	200.5741518854776	Subarray requested	NONE	NONE
[deg] Pointing Dec	-16.686708	-16.71376263111544	Alternating exposures requested	N	N
[deg] Pointing Roll	246.331312	246.4890058773402	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	270704548.184000	270703460.50356			
Observation start date	2006-07-31T03:41:23	2006-07-31T03:24:20			
[s] Observation end time (MET)	270711548.184000	270712282.67897			
Observation end date	2006-07-31T05:38:03	2006-07-31T05:51:22			
Read mode	TIMED	TIMED			

2.3 Aspect



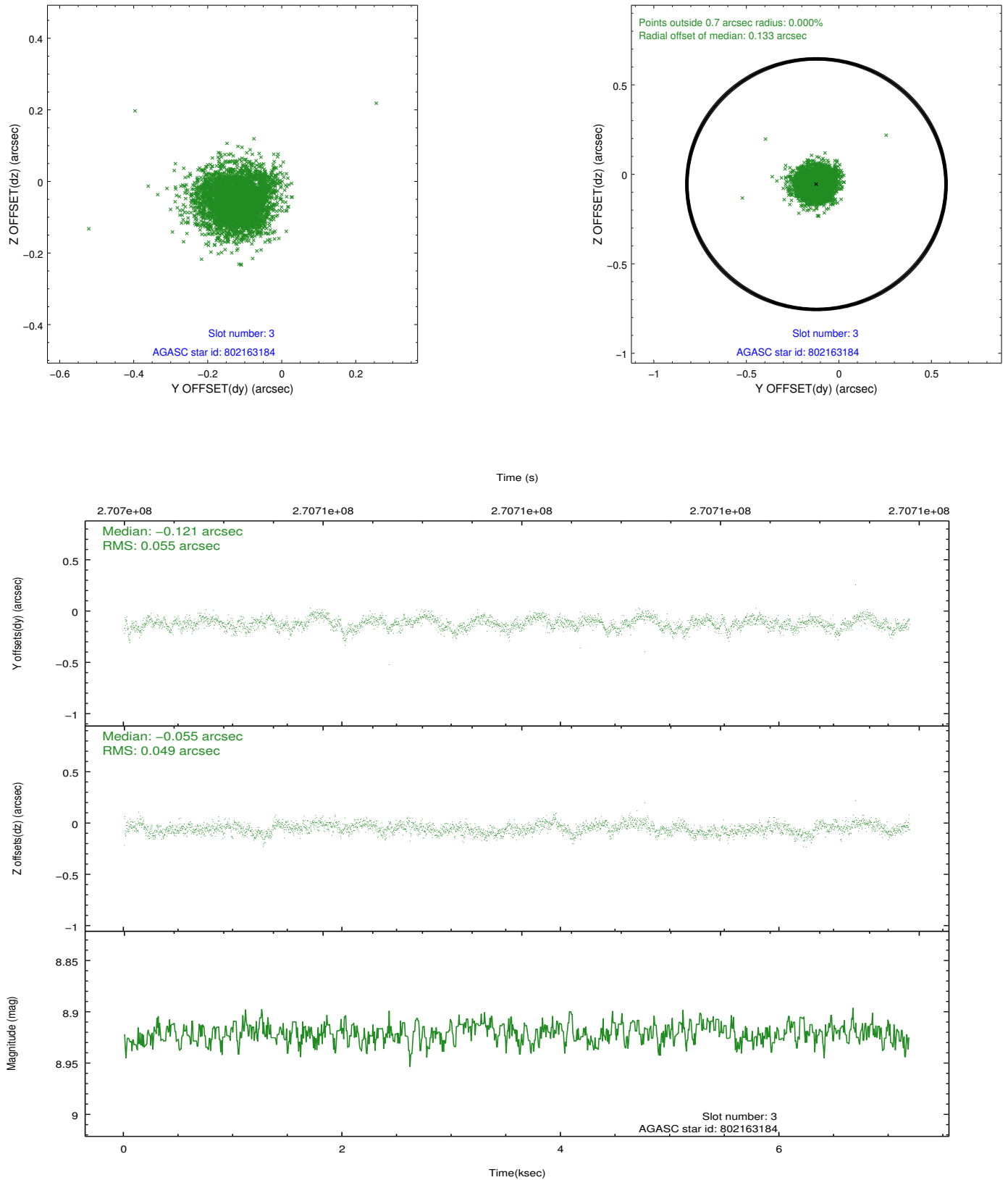


Slot Statistics

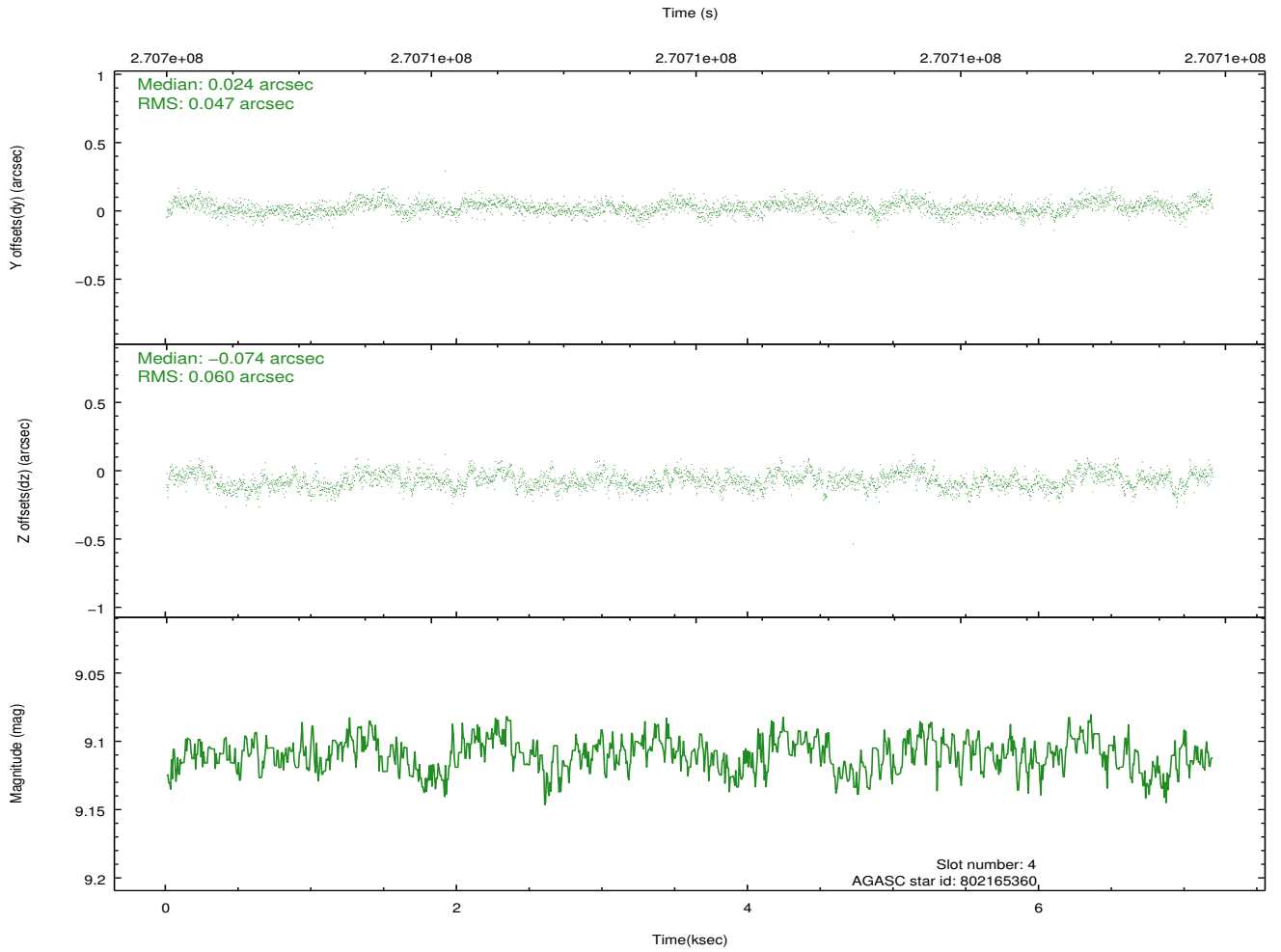
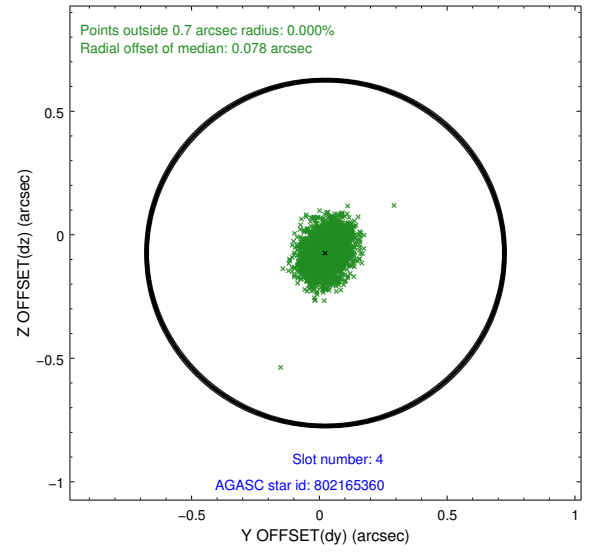
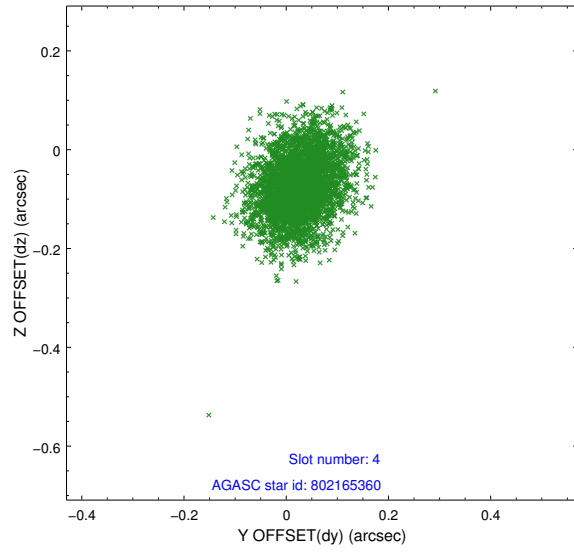
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1753	-0.024	-0.015	0.007	0.012	0.000000	0.000000	-761.47	-1732.73
1	FID	ACIS-S-4	7.21	1754	0.125	0.016	0.006	0.011	0.000000	0.000000	2151.58	174.98
2	FID	ACIS-S-5	7.23	1753	-0.132	0.008	0.008	0.015	0.000000	0.000000	-1813.41	169.52
3	GUIDE	802163184	8.92	3504	-0.121	-0.055	0.079	0.124	200.347294	-15.965703	-2065.74	-1749.72
4	GUIDE	802165360	9.11	3503	0.024	-0.074	0.081	0.133	200.171398	-16.390583	-421.73	-1690.39
5	GUIDE	802163992	9.07	3503	-0.021	0.006	0.089	0.145	200.059469	-16.224388	-812.63	-2285.79
6	GUIDE	802162336	8.55	3501	0.073	-0.111	0.077	0.125	200.109553	-16.703716	696.37	-1430.77
7	GUIDE	802685976	8.81	3502	0.042	0.235	0.083	0.130	200.933997	-17.006698	554.06	1609.05

2.4 Star Slots

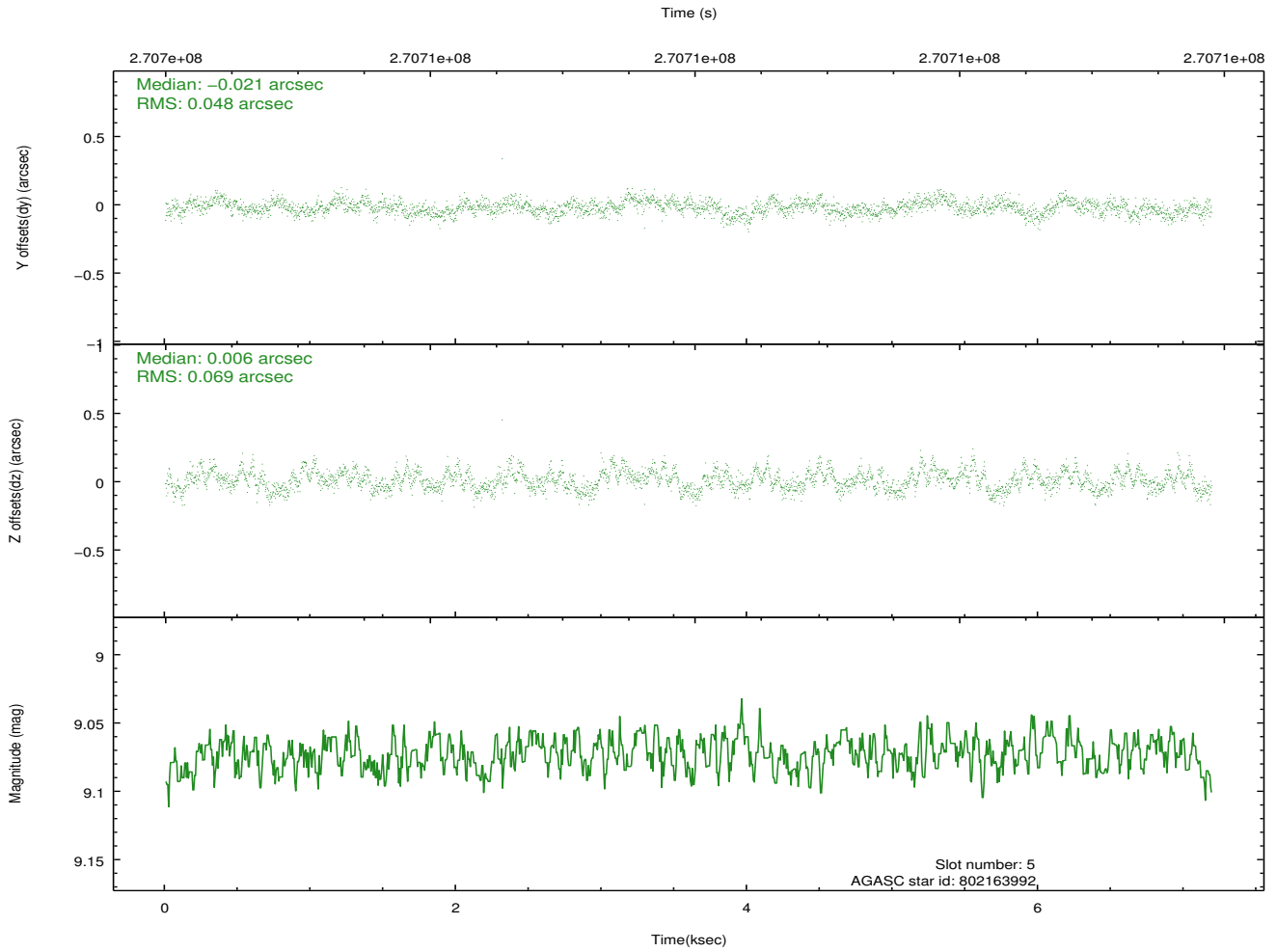
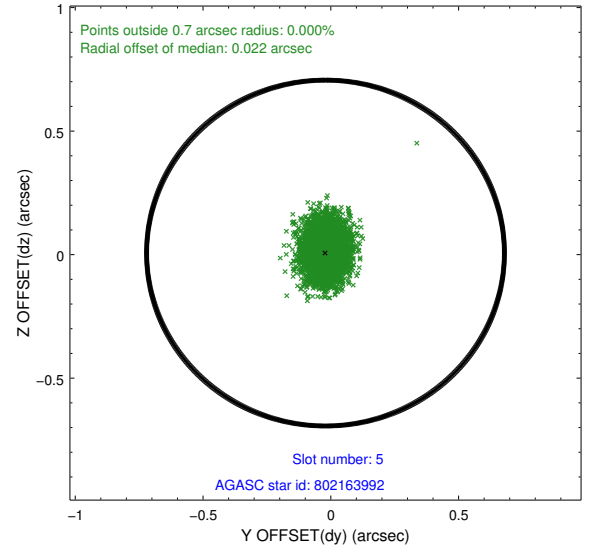
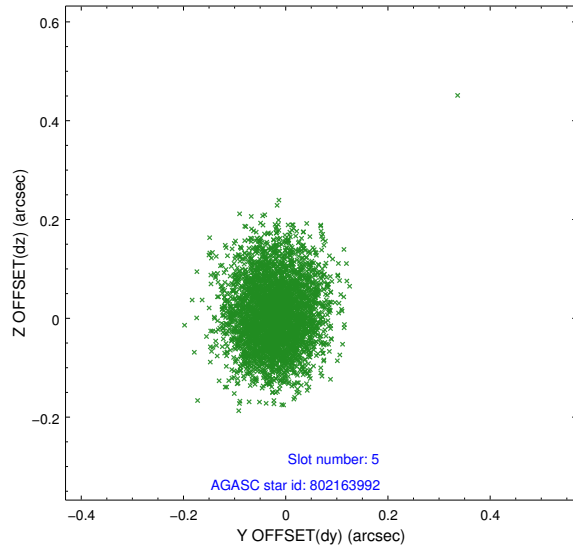
2.4.1 Slot 3



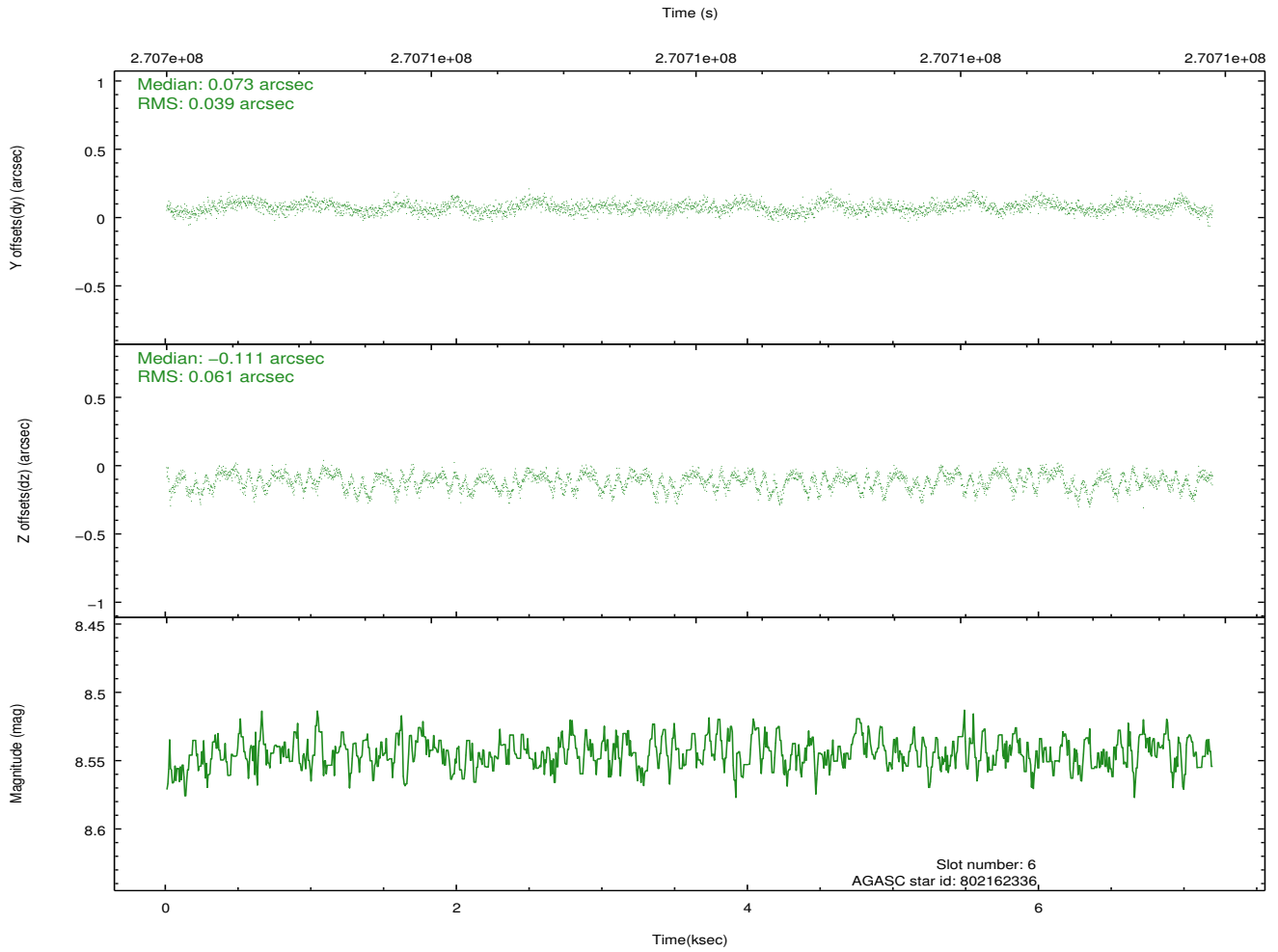
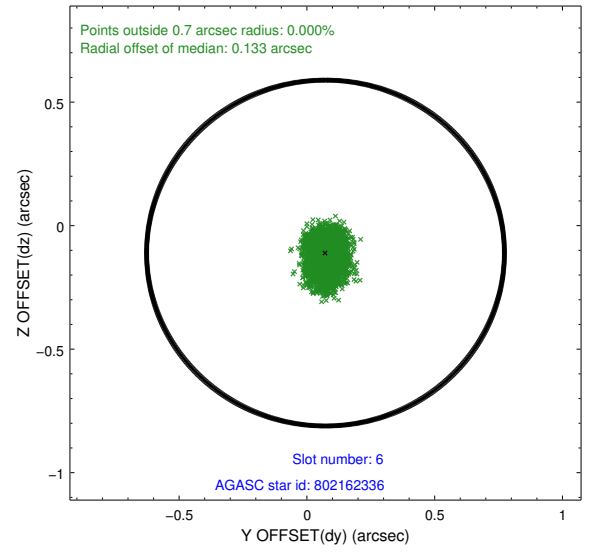
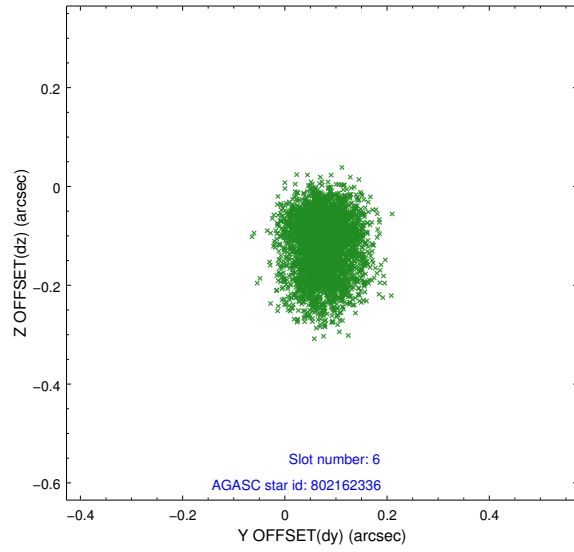
2.4.2 Slot 4



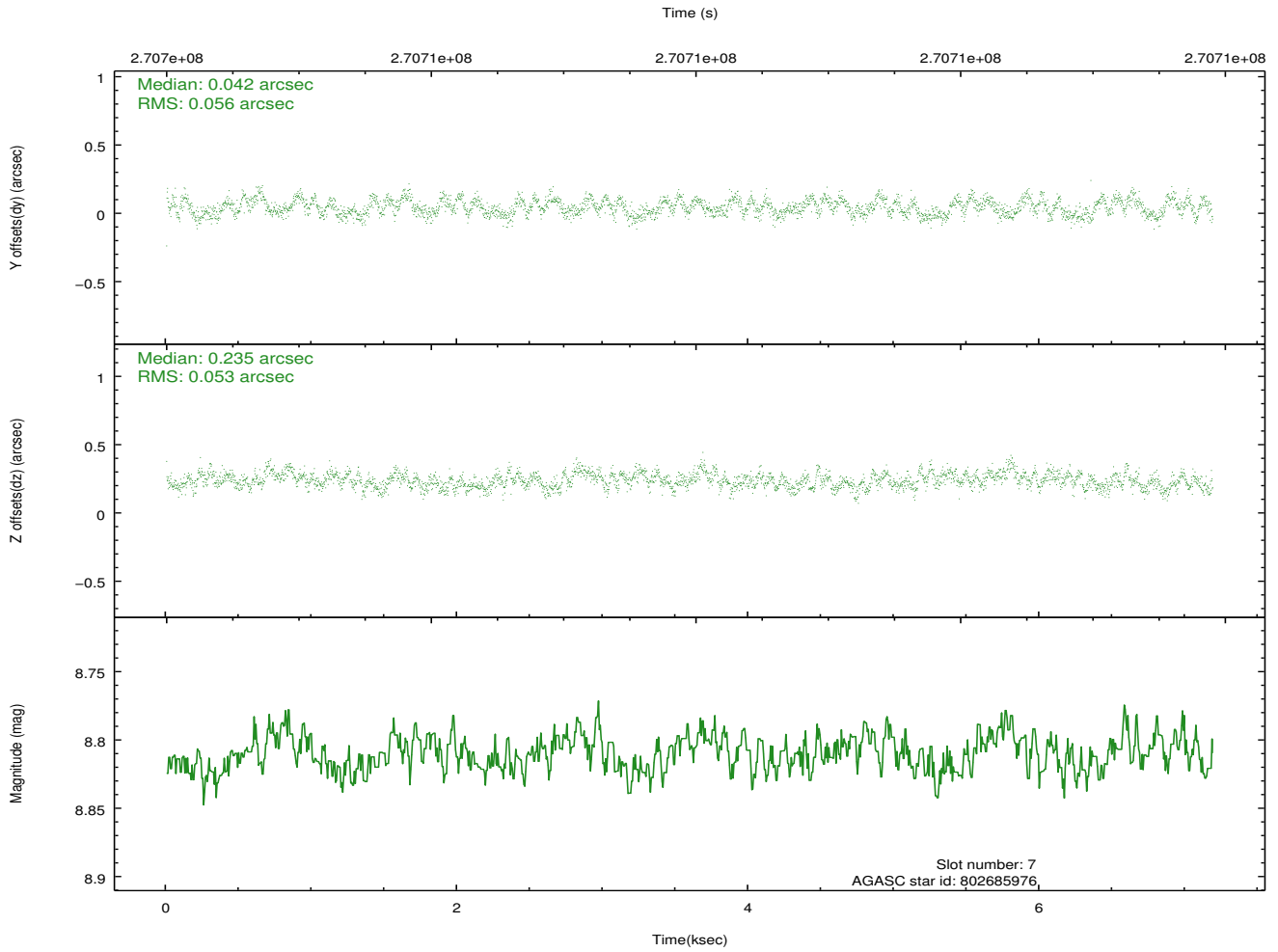
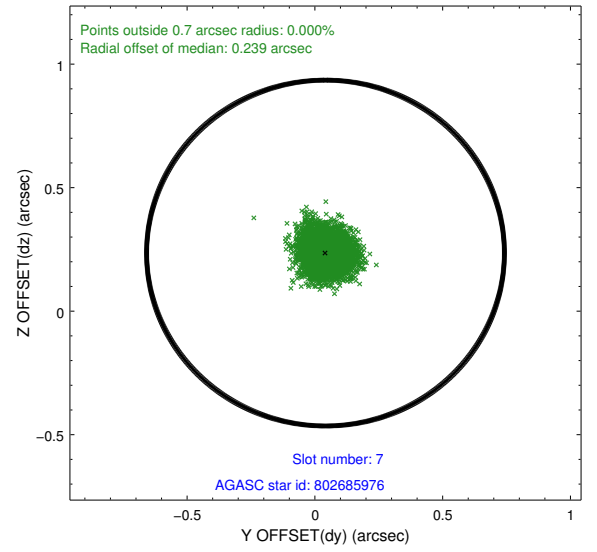
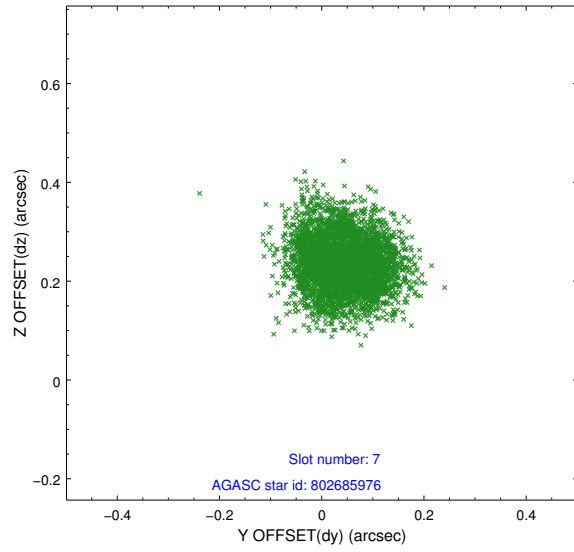
2.4.3 Slot 5



2.4.4 Slot 6

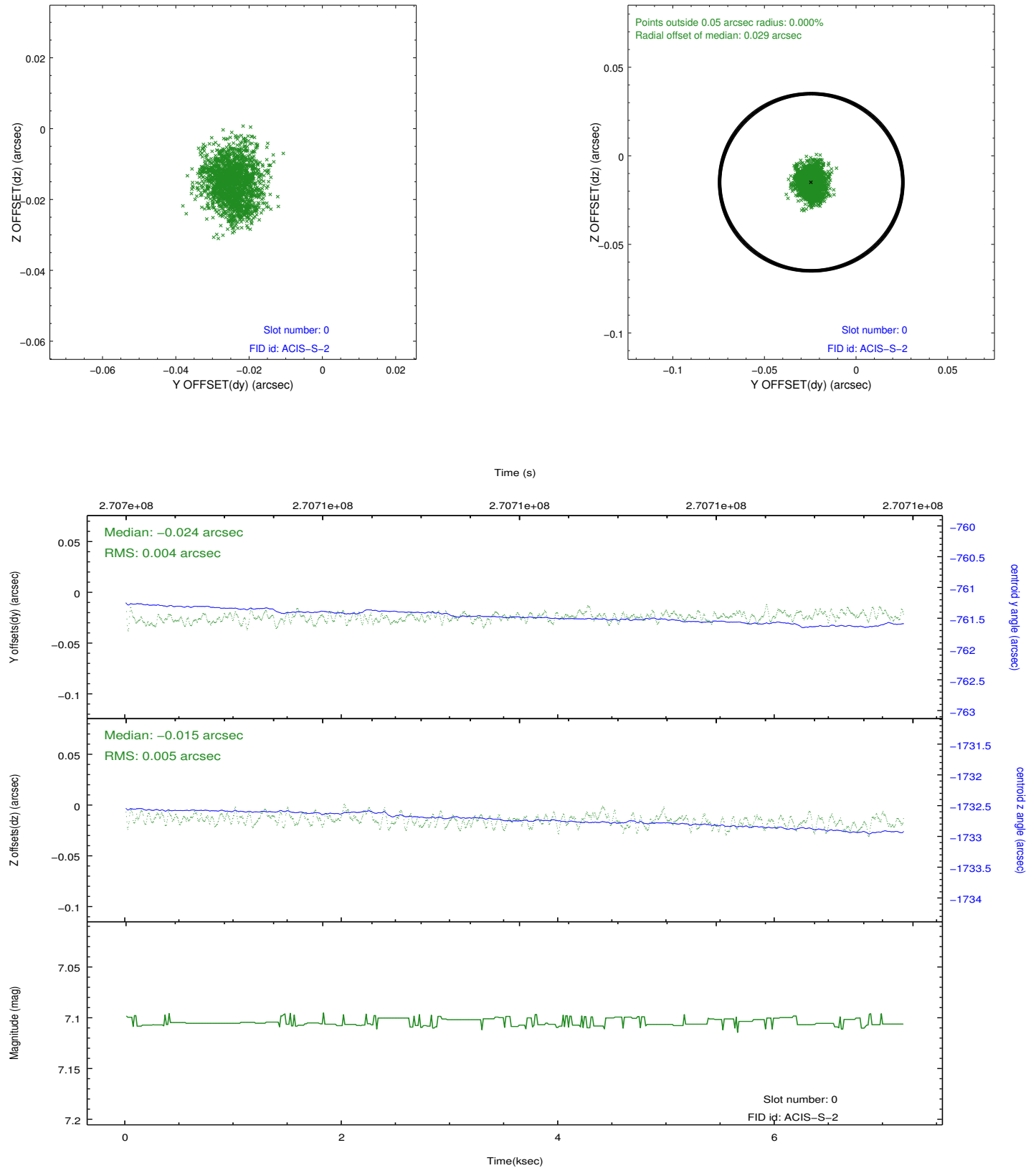


2.4.5 Slot 7

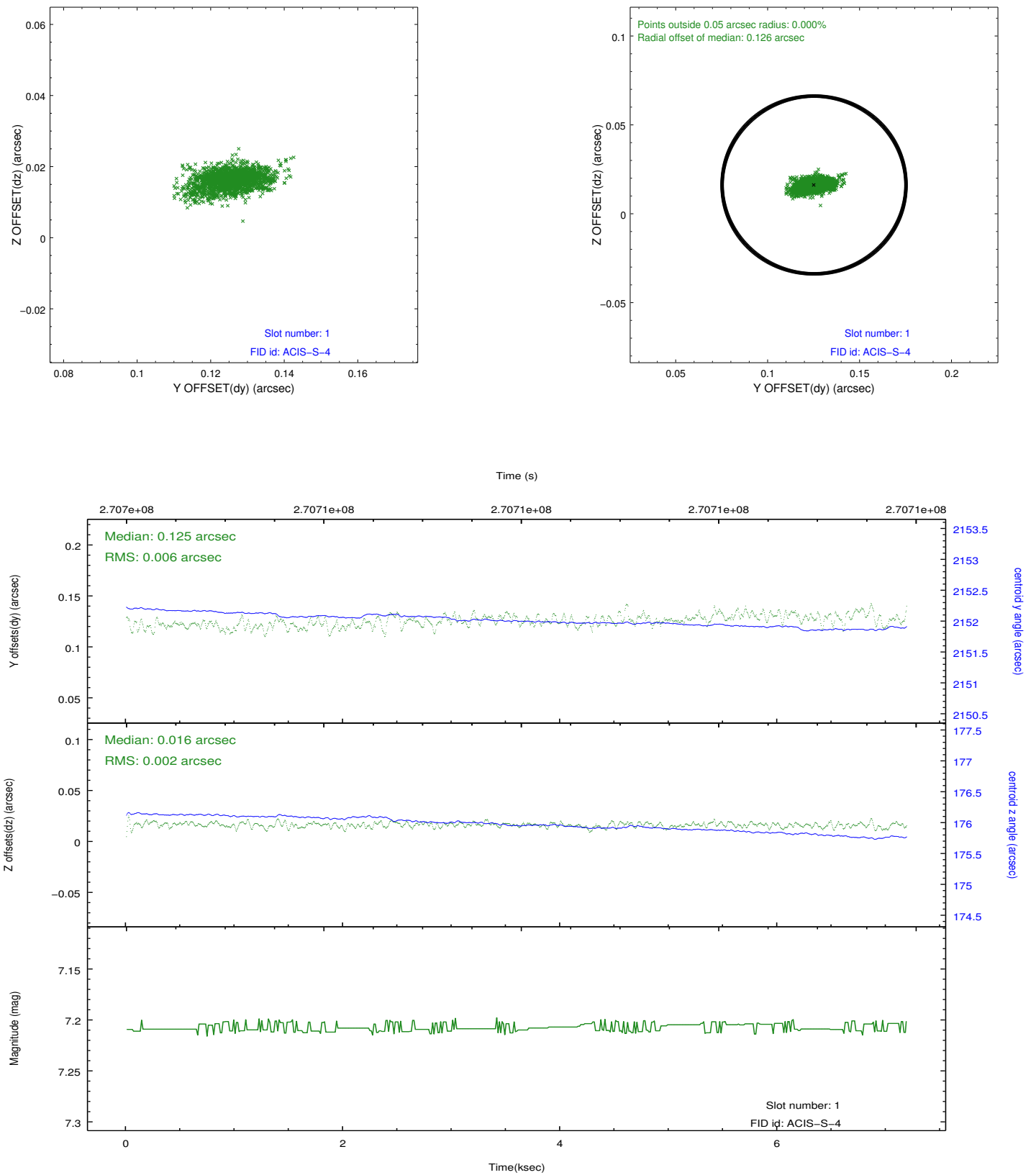


2.5 FID Slots

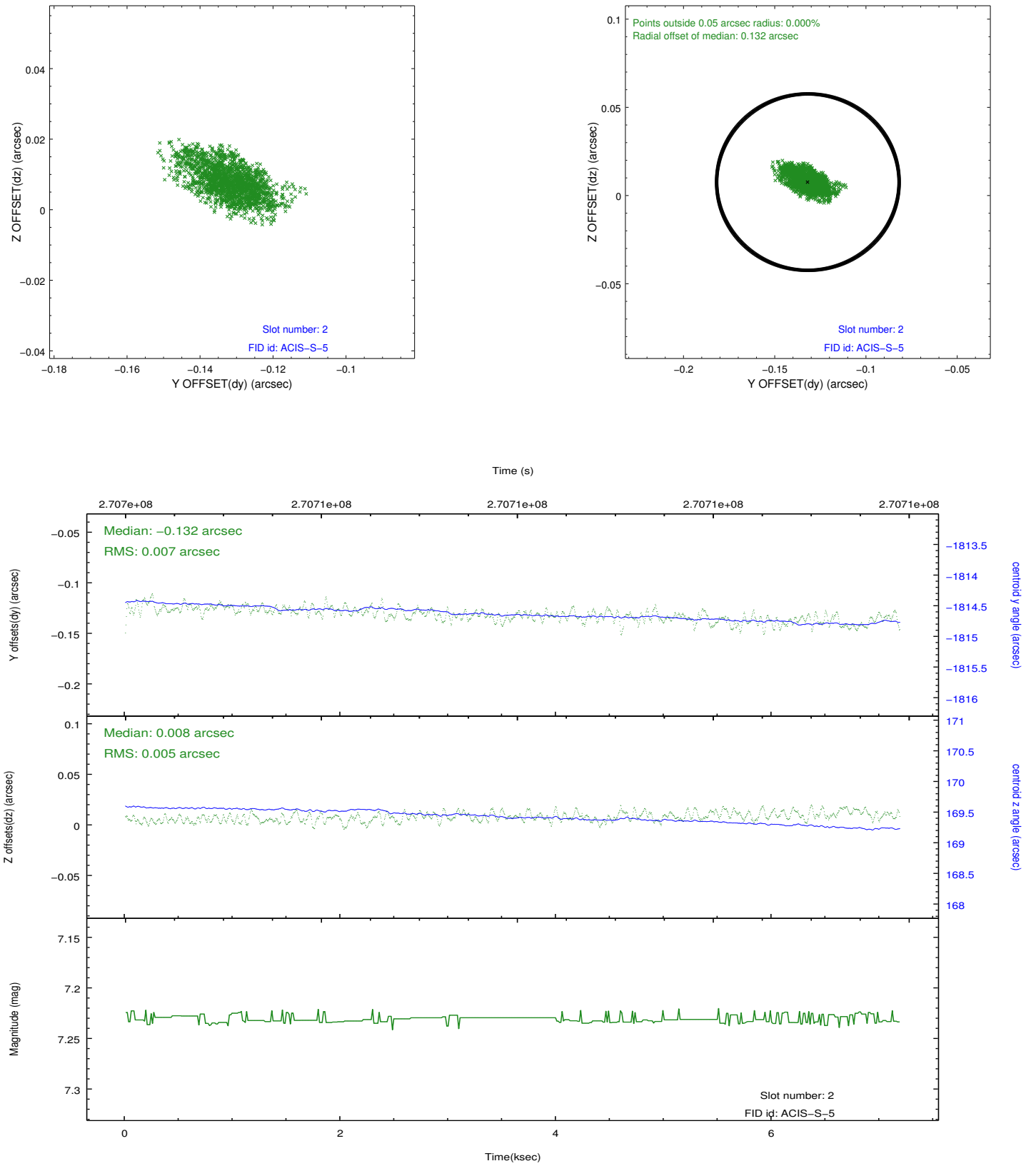
2.5.1 Slot 0



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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.18399997

A.2 Comments