

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 822 - L2 Version 4
Chandra X-Ray Center

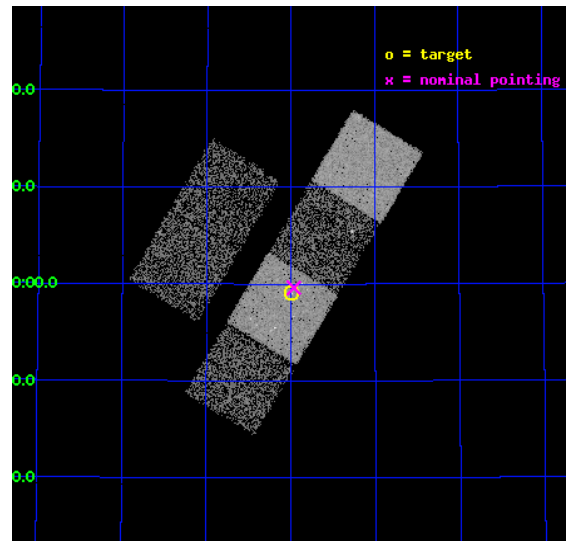
L2 Processing Date : Aug 24 2012

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1 Front

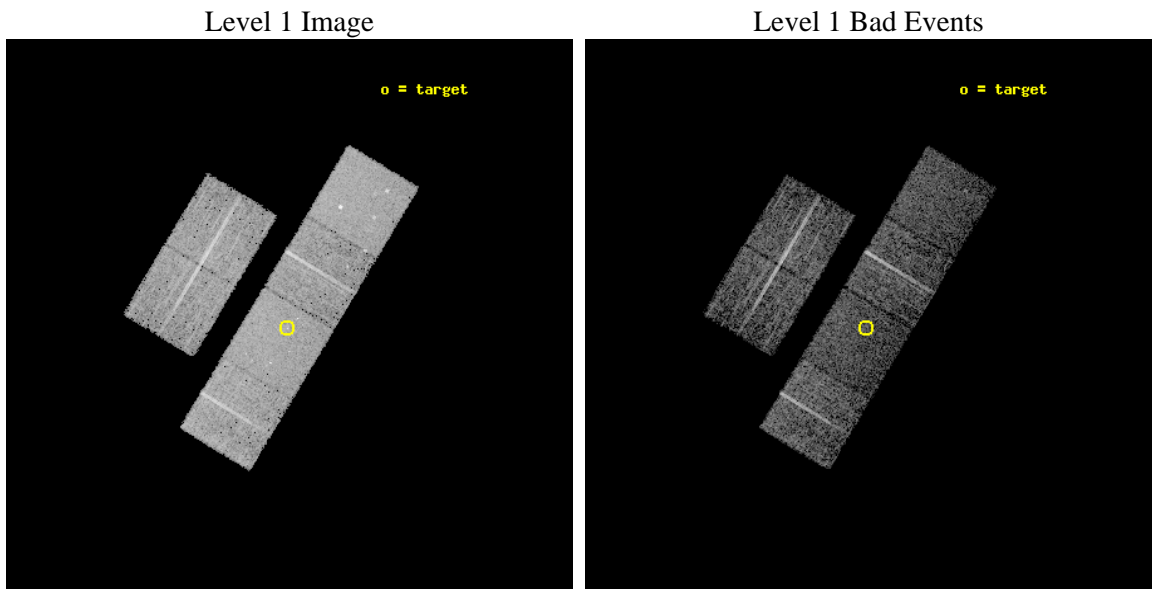
seq_num	700127	Sequence number
obs_id	822	Observation id
title	LIFTING THE SHROUD AROUND BROAD ABSORPTION LINE QSOS: AN AXAF SURVEY	
observer	Dr. Paul Green	Principal investigator
object	SBSG 1542+541	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	235.997083	Observer's specified target RA [deg]
dec_targ	53.984333	Observer's specified target Dec [deg]
ra_nom	235.99102779914	Nominal RA [deg]
dec_nom	53.993640183827	Nominal Dec [deg]
roll_nom	121.08646338898	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4604.2618588507	Sum of GTIs [s]
livetime	4545.9599228403	Livetime [s]
ontime2	4604.302898854	Sum of GTIs [s]
ontime3	4604.1387388557	Sum of GTIs [s]
ontime5	4600.979858622	Sum of GTIs [s]
ontime6	4604.179778859	Sum of GTIs [s]
ontime7	4604.2618588507	Sum of GTIs [s]
ontime8	4604.0976988524	Sum of GTIs [s]
l2events	48381	Number of level 2 events



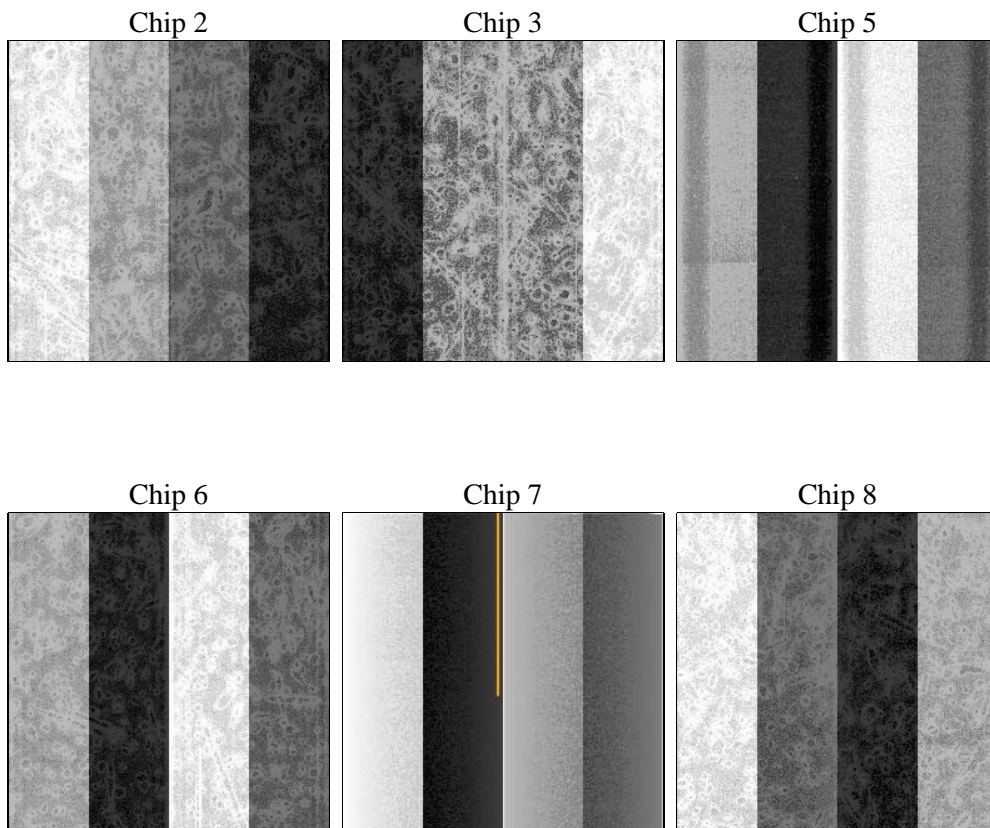
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4892.387000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4604.2618588507	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	4604.302898854	Sum of GTIs [s]
date	2012-08-24T13:43:25	Date and time of file creation	ontime3	4604.1387388557	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4600.979858622	Sum of GTIs [s]
			ontime6	4604.179778859	Sum of GTIs [s]
			ontime7	4604.2618588507	Sum of GTIs [s]
			ontime8	4604.0976988524	Sum of GTIs [s]
			l1events	226130	Number of level 1 events

2.1.4 Events

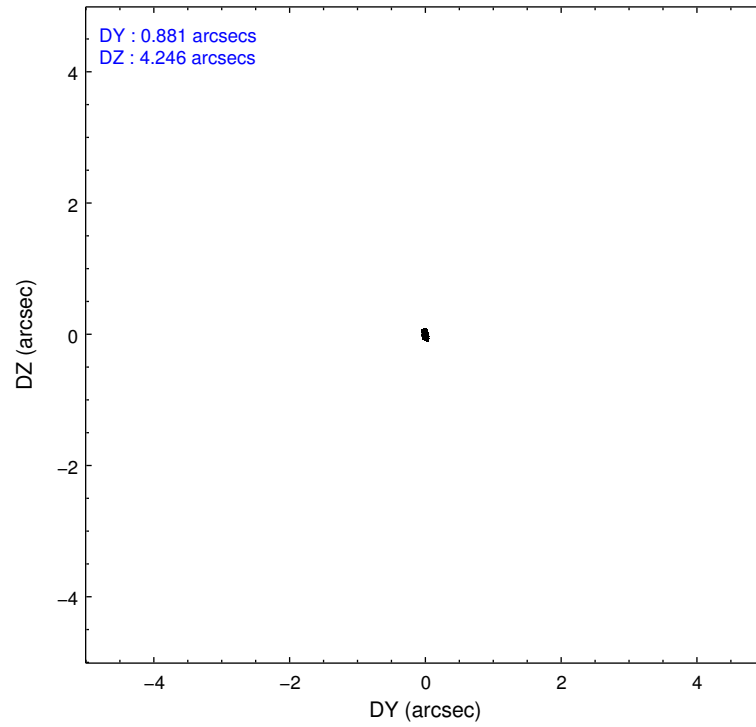
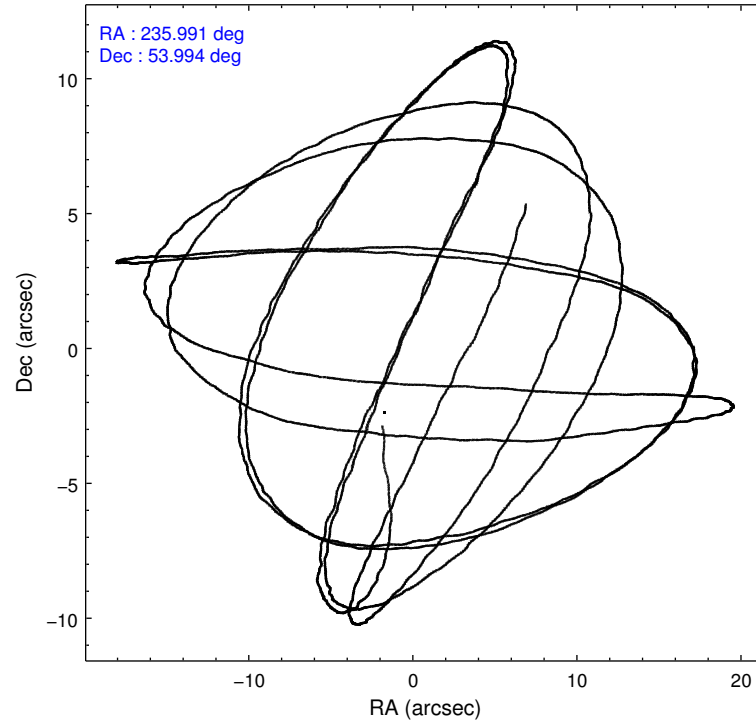
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	35910	32932	43045	33315	40040	40888	grade 0 events	1396	1580	3142	1676	2009	2497
rejected events	32535	29451	22213	29530	22526	33206		3%	4%	7%	5%	5%	6%
rejected %	90%	89%	51%	88%	56%	81%	grade 1 events	14	11	44	11	39	15
								0%	0%	0%	0%	0%	0%
							grade 2 events	736	644	5755	693	3415	1633
								2%	1%	13%	2%	8%	3%
							grade 3 events	311	342	905	379	1673	849
								0%	1%	2%	1%	4%	2%
							grade 4 events	311	349	814	366	1564	807
								0%	1%	1%	1%	3%	1%
							grade 5 events	980	1112	3232	1230	3691	1504
								2%	3%	7%	3%	9%	3%
							grade 6 events	624	568	10228	674	8864	1901
								1%	1%	23%	2%	22%	4%
							grade 7 events	31538	28326	18925	28286	18785	31682
								87%	86%	43%	84%	46%	77%

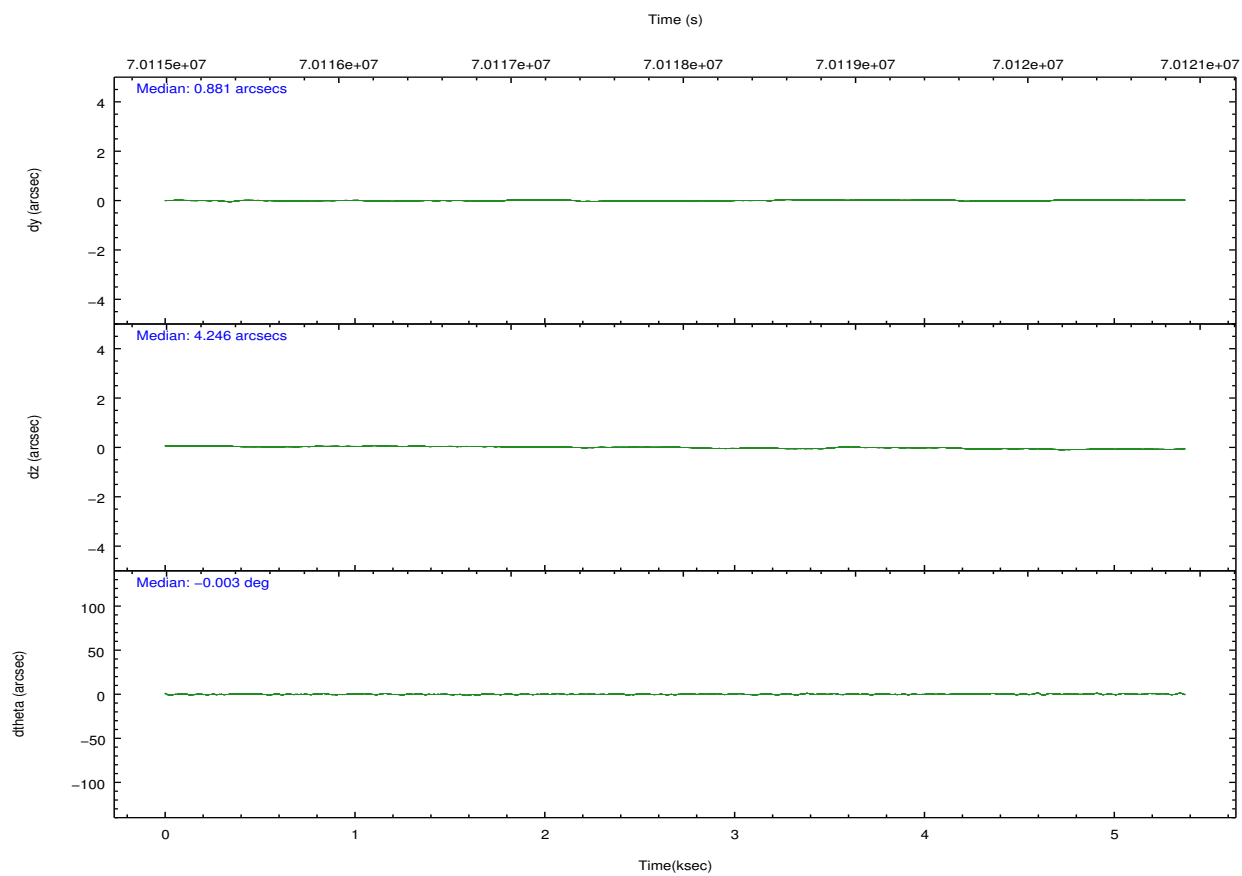
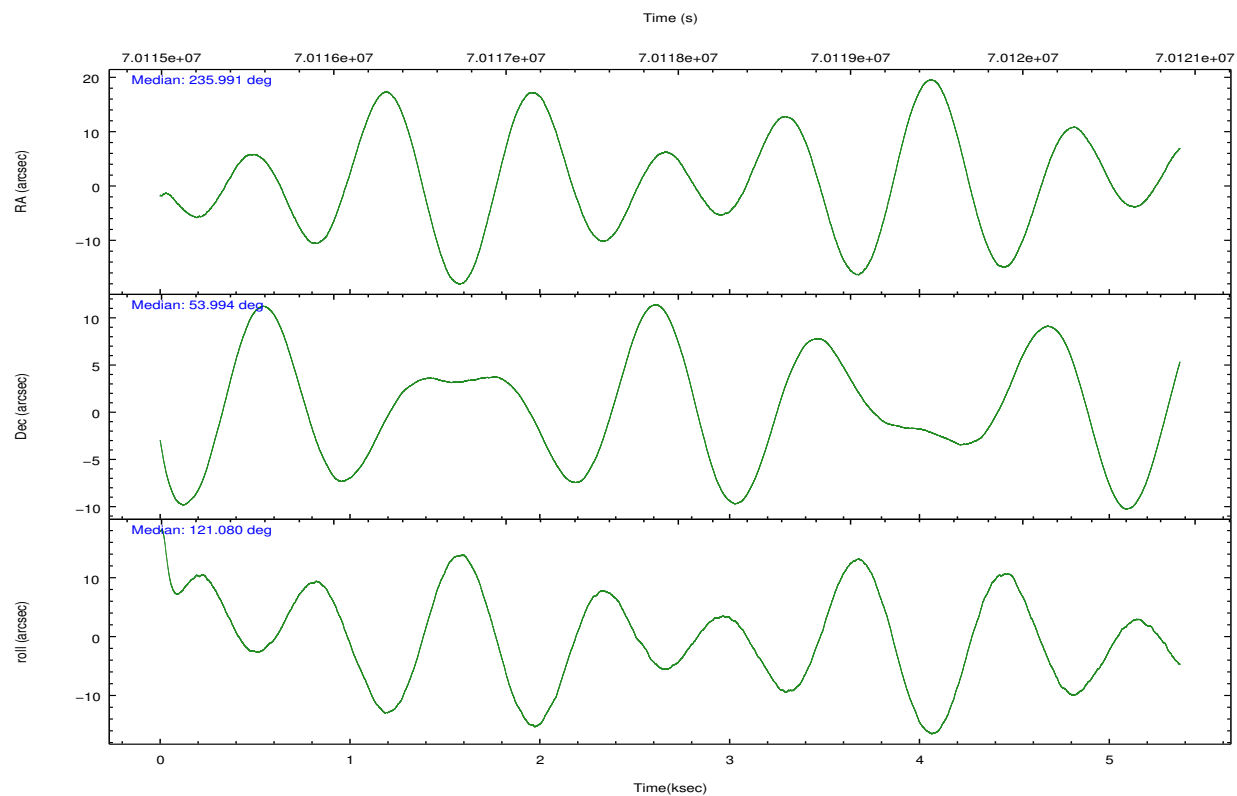
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	236.032029	235.9910277991437
[deg] Pointing Dec	53.980506	53.99364018382713
[deg] Pointing Roll	120.896645	121.0864633889769
[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)	70115745.184000	70114757.33333699
Observation start date	2000-03-22T12:34:41	2000-03-22T12:19:17
[s] Observation end time (MET)	70120637.184000	70121119.50857
Observation end date	2000-03-22T13:56:13	2000-03-22T14:05:19
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



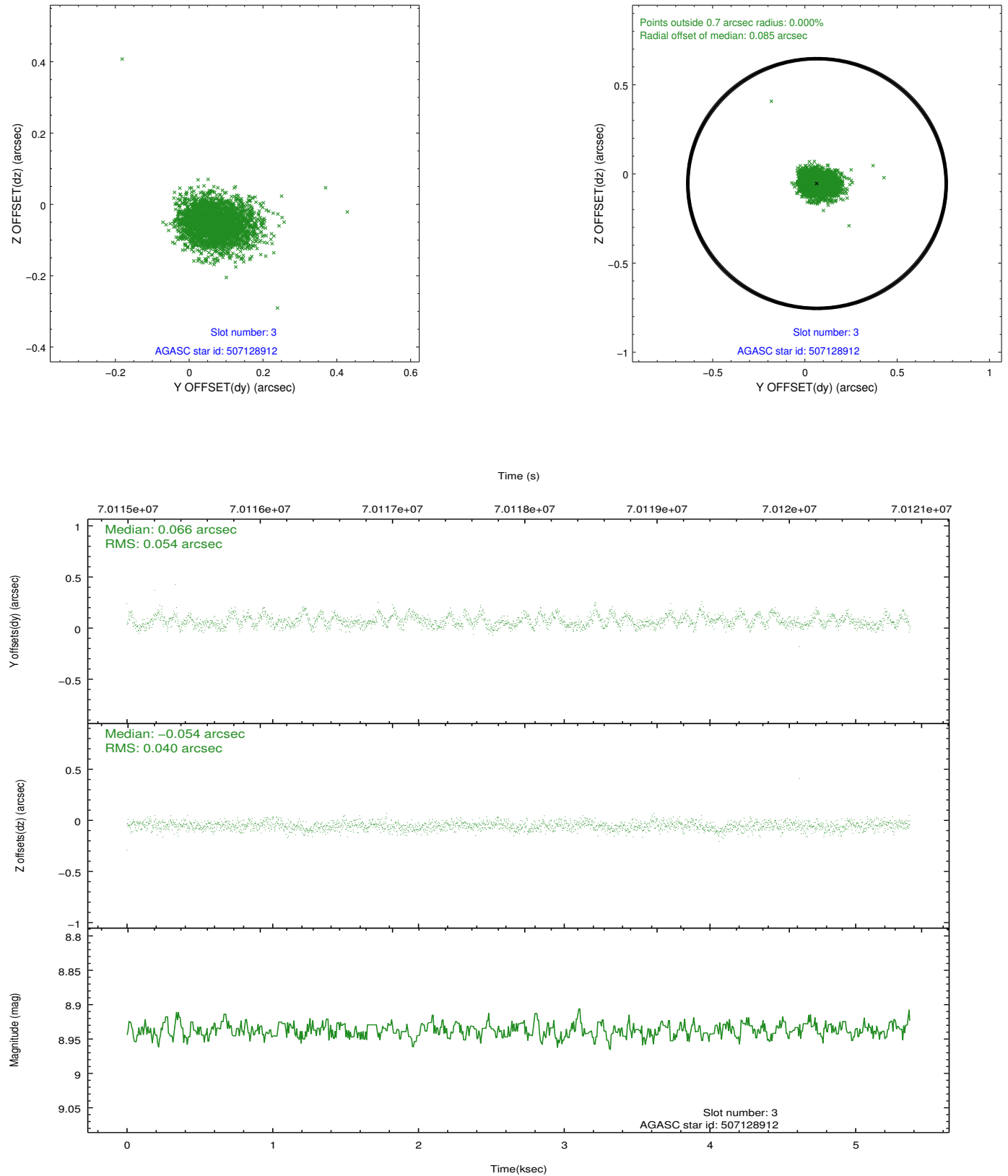


Slot Statistics

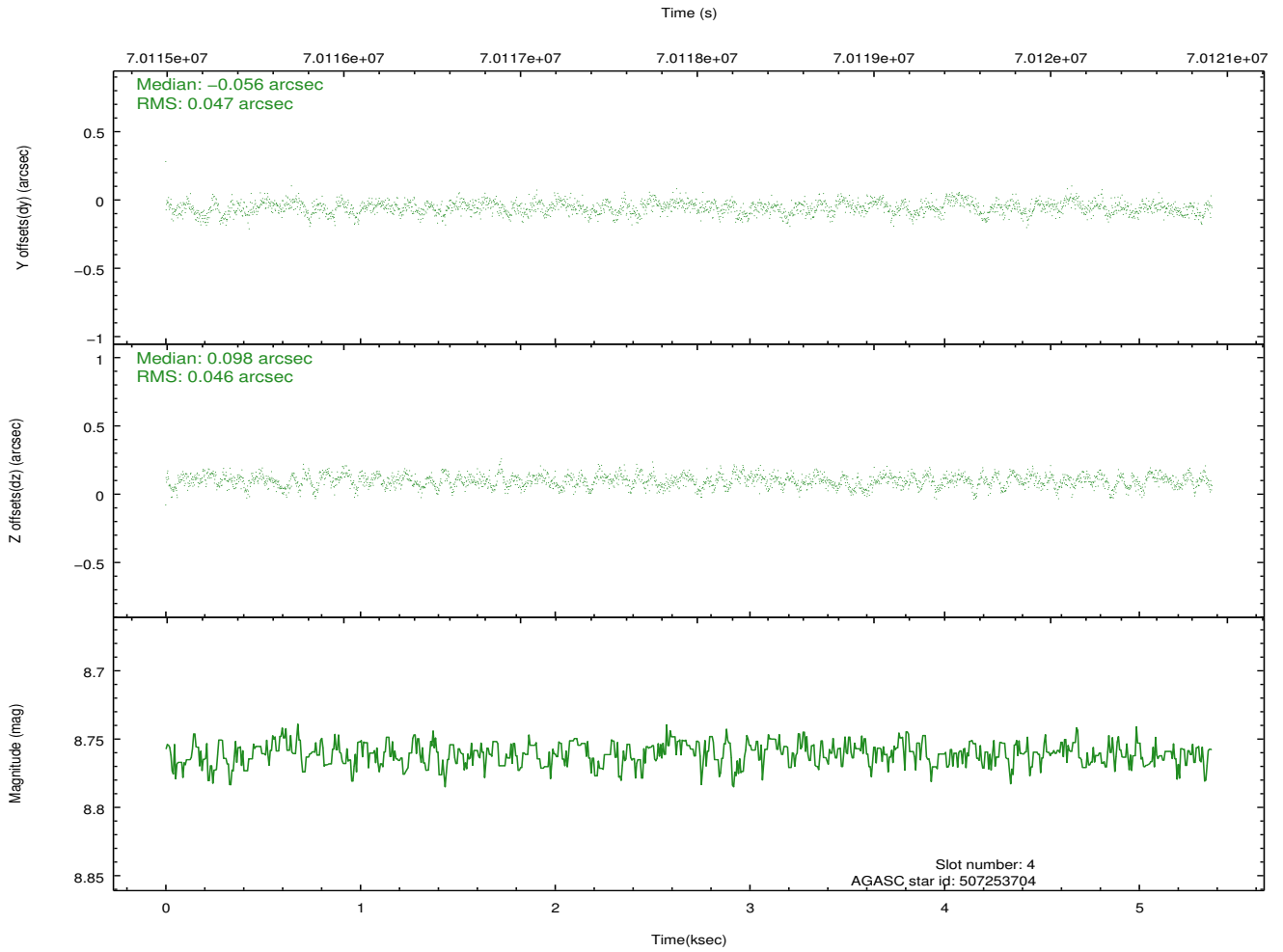
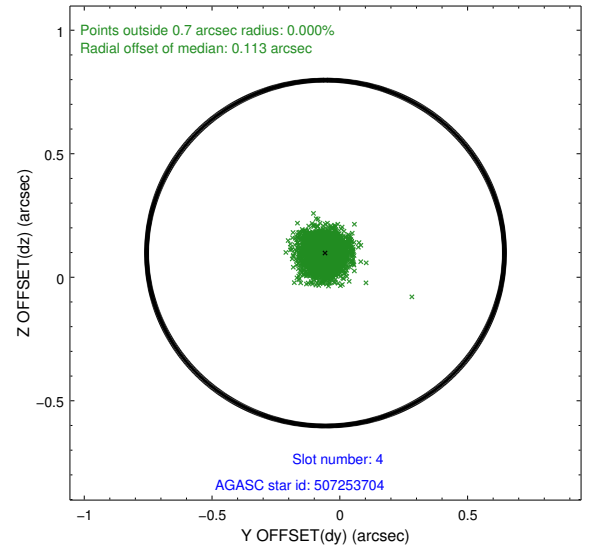
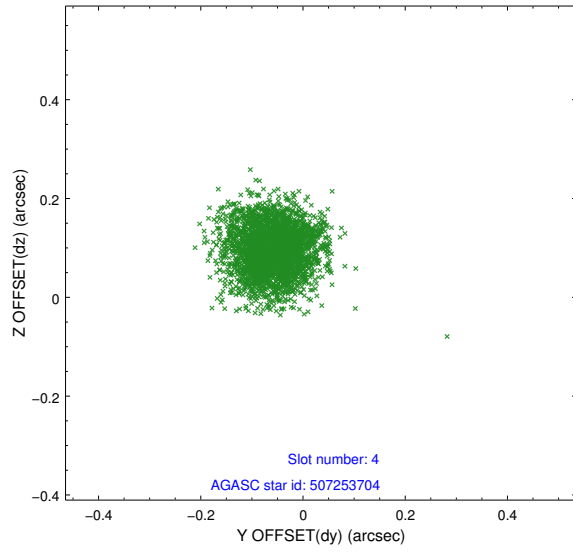
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1310	-0.018	-0.015	0.007	0.011	0.000000	0.000000	-753.51	-1725.28
1	FID	ACIS-S-4	7.21	1310	0.011	0.013	0.006	0.012	0.000000	0.000000	2159.32	182.03
2	FID	ACIS-S-5	7.24	1311	-0.024	0.012	0.007	0.011	0.000000	0.000000	-1804.88	177.04
3	GUIDE	507128912	8.94	2618	0.066	-0.054	0.070	0.113	235.548340	53.388005	-1293.21	1984.59
4	GUIDE	507253704	8.76	2621	-0.056	0.098	0.071	0.113	235.662628	54.535902	2114.12	-364.38
5	GUIDE	507251584	9.50	2621	-0.036	0.014	0.108	0.171	236.019097	54.651005	2087.03	-1216.10
6	GUIDE	507259712	9.62	2618	0.024	0.104	0.085	0.135	237.172865	53.680870	-2155.90	-1543.87
7	GUIDE	507129696	10.12	2620	-0.002	-0.165	0.115	0.183	235.264728	53.538653	-514.49	2220.22

2.4 Star Slots

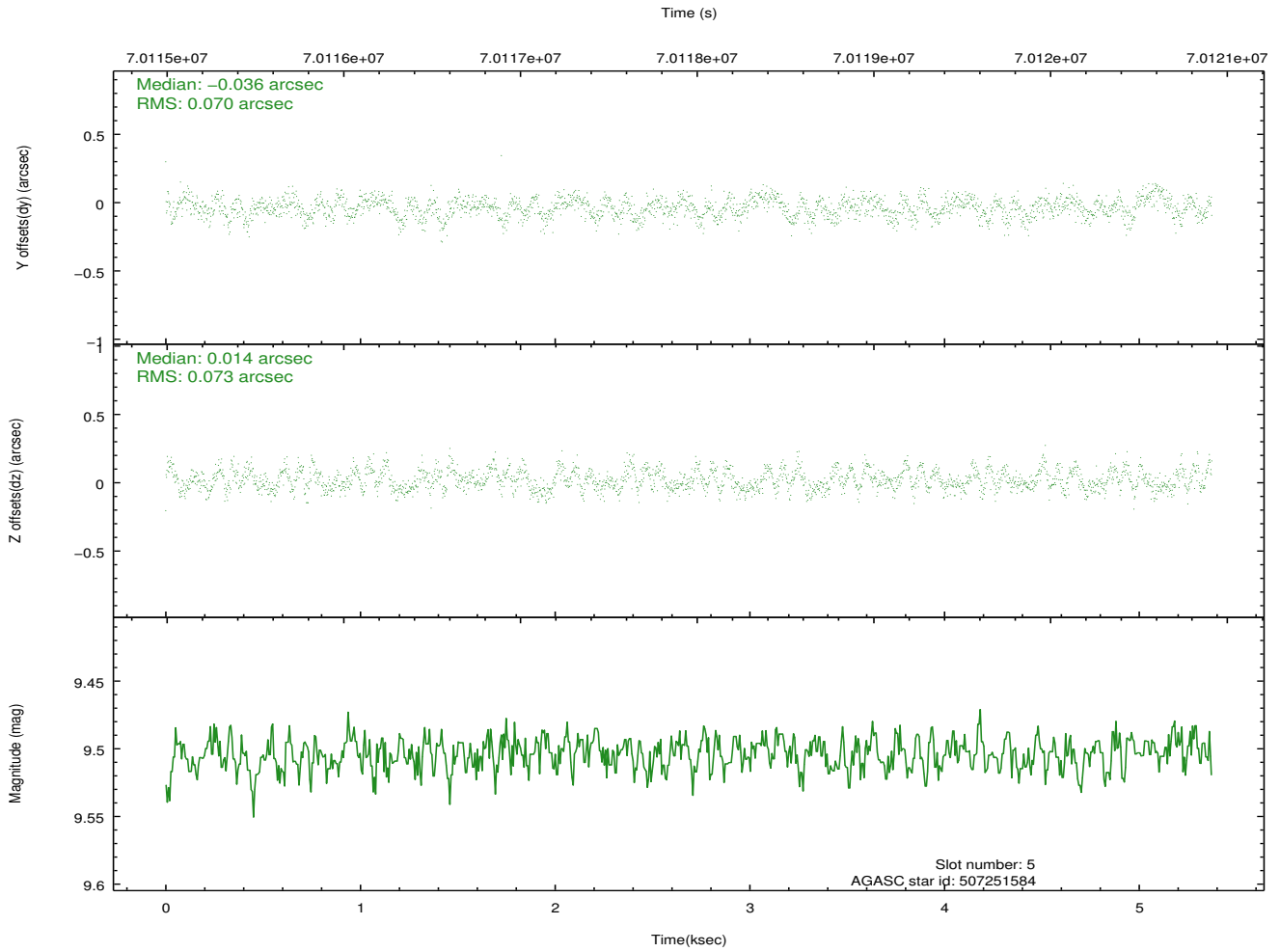
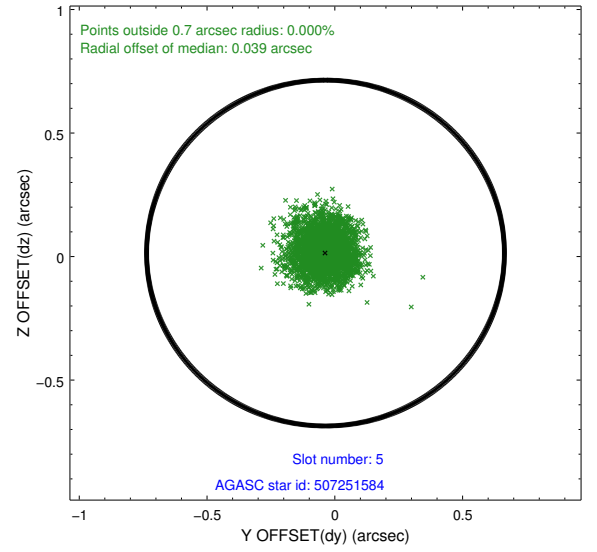
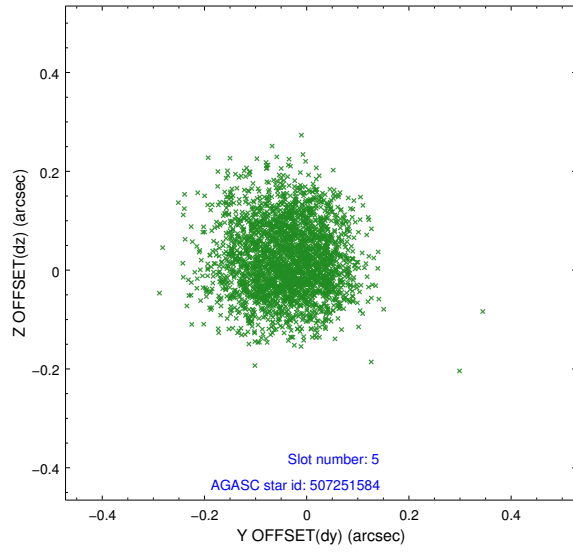
2.4.1 Slot 3



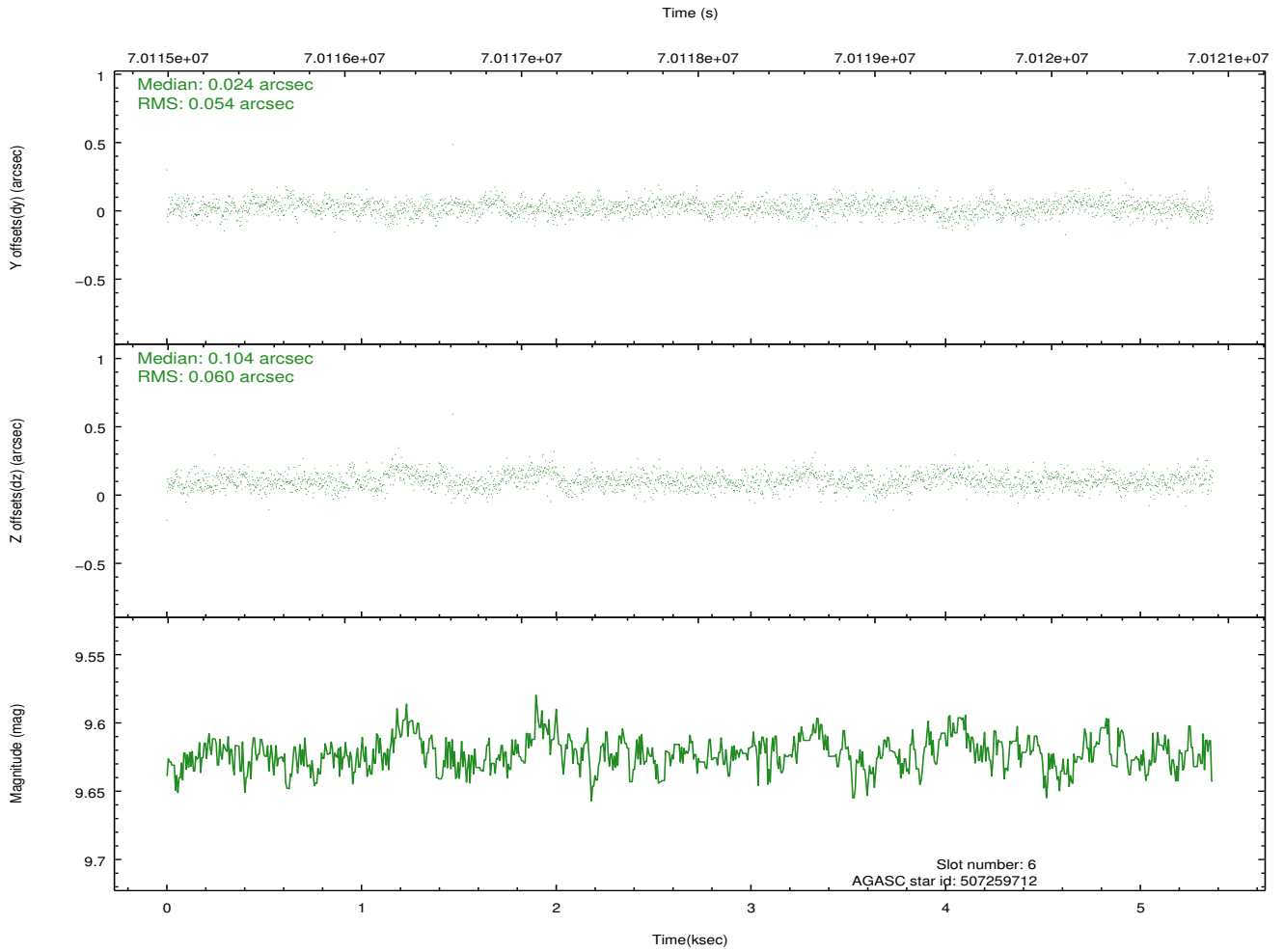
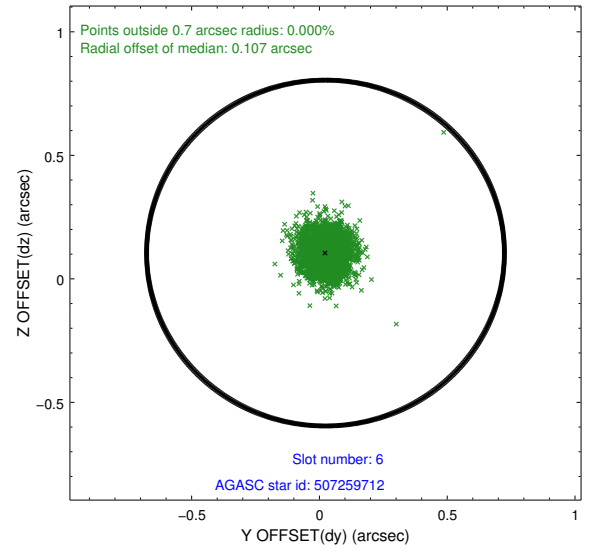
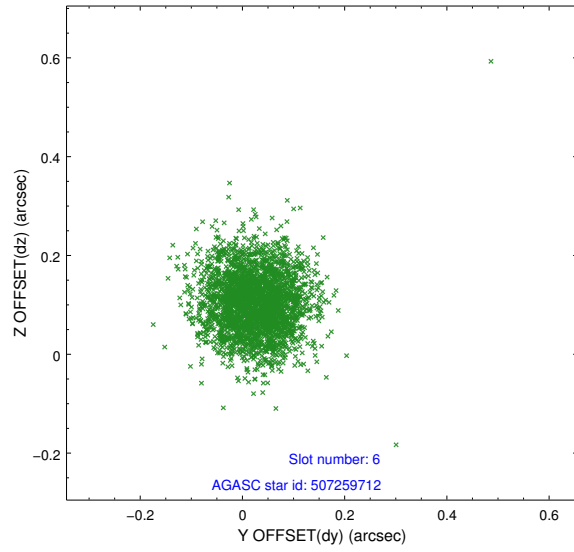
2.4.2 Slot 4



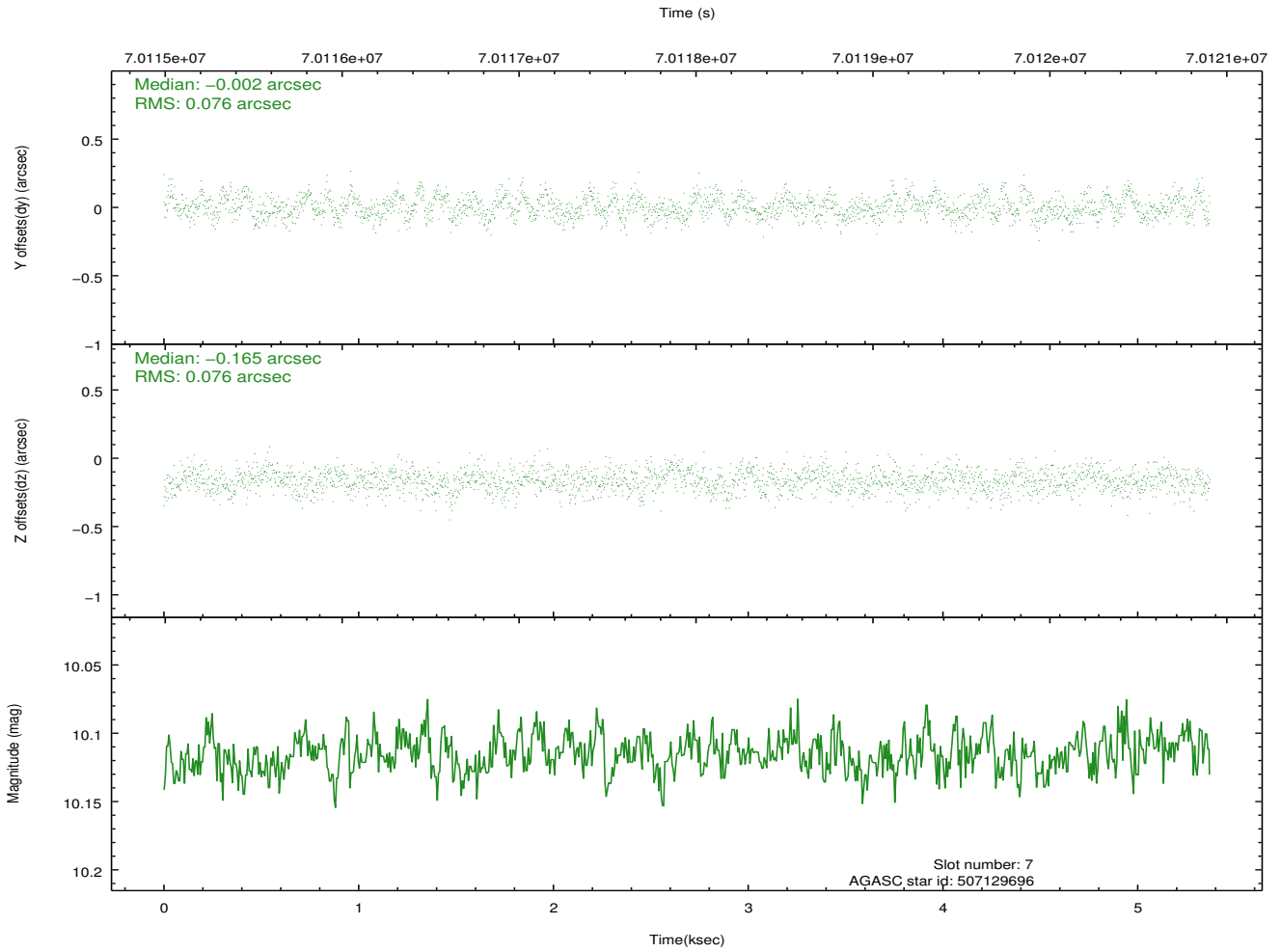
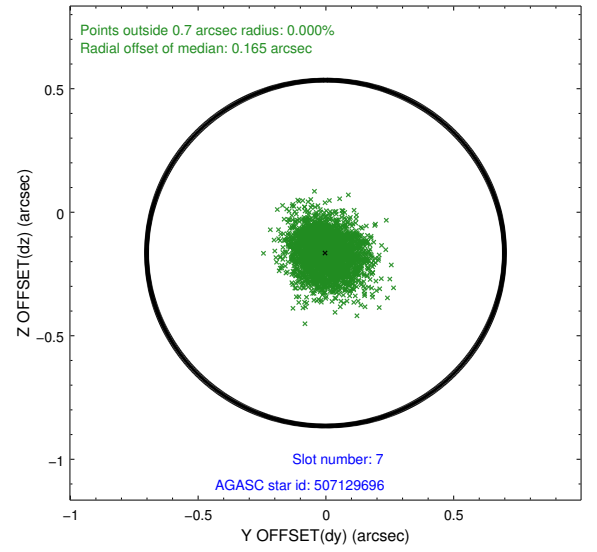
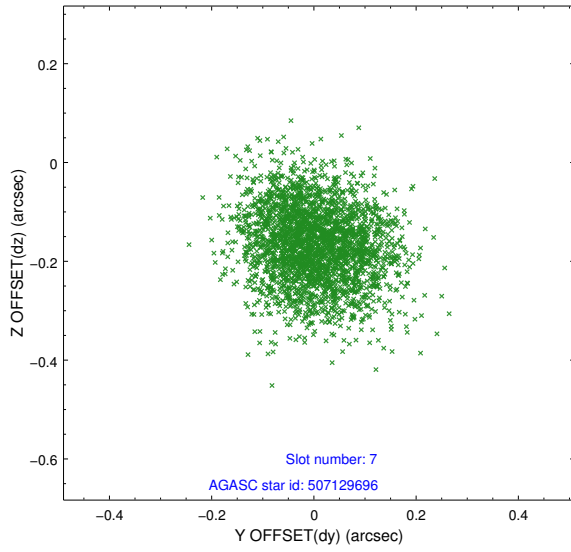
2.4.3 Slot 5



2.4.4 Slot 6

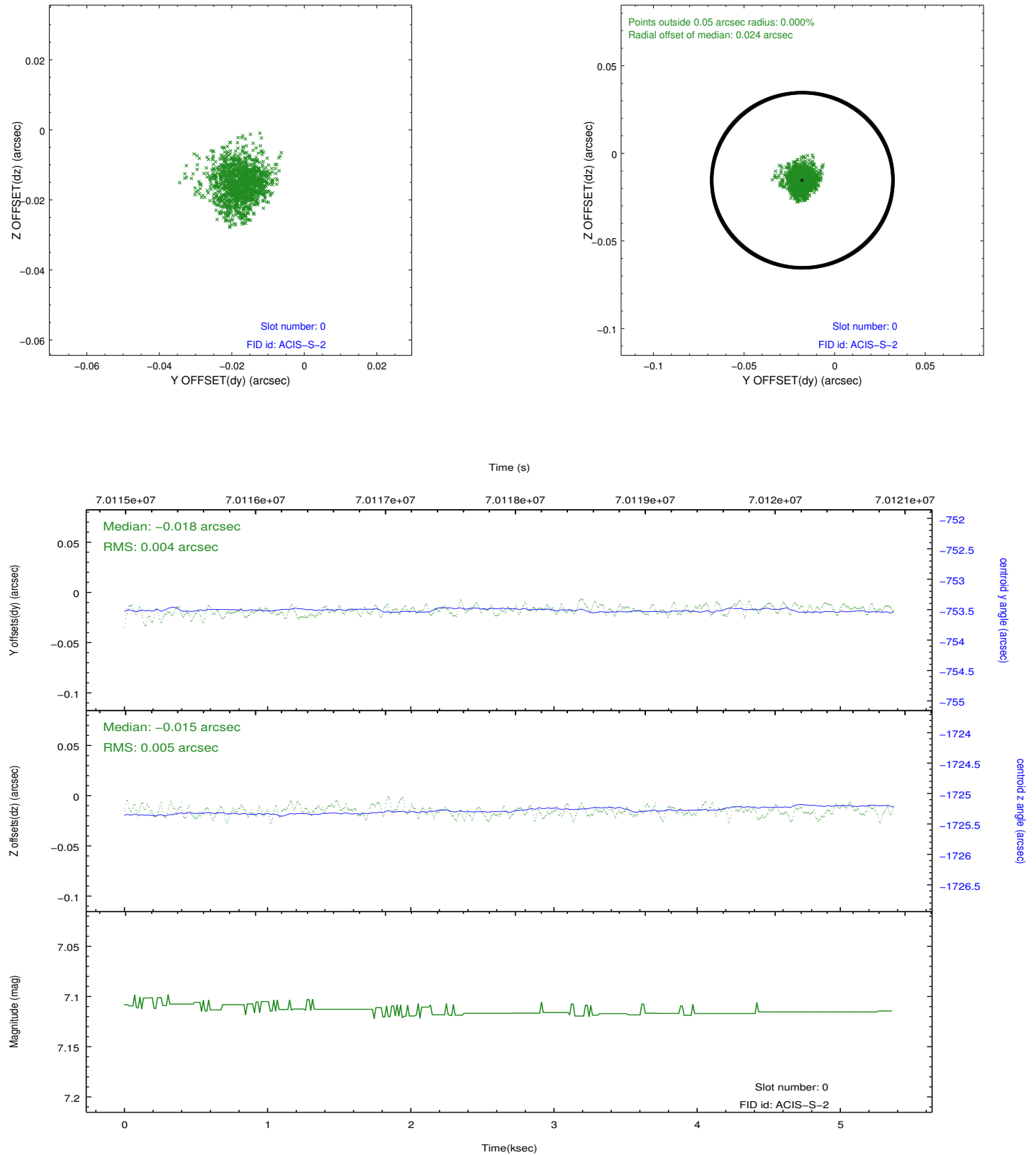


2.4.5 Slot 7

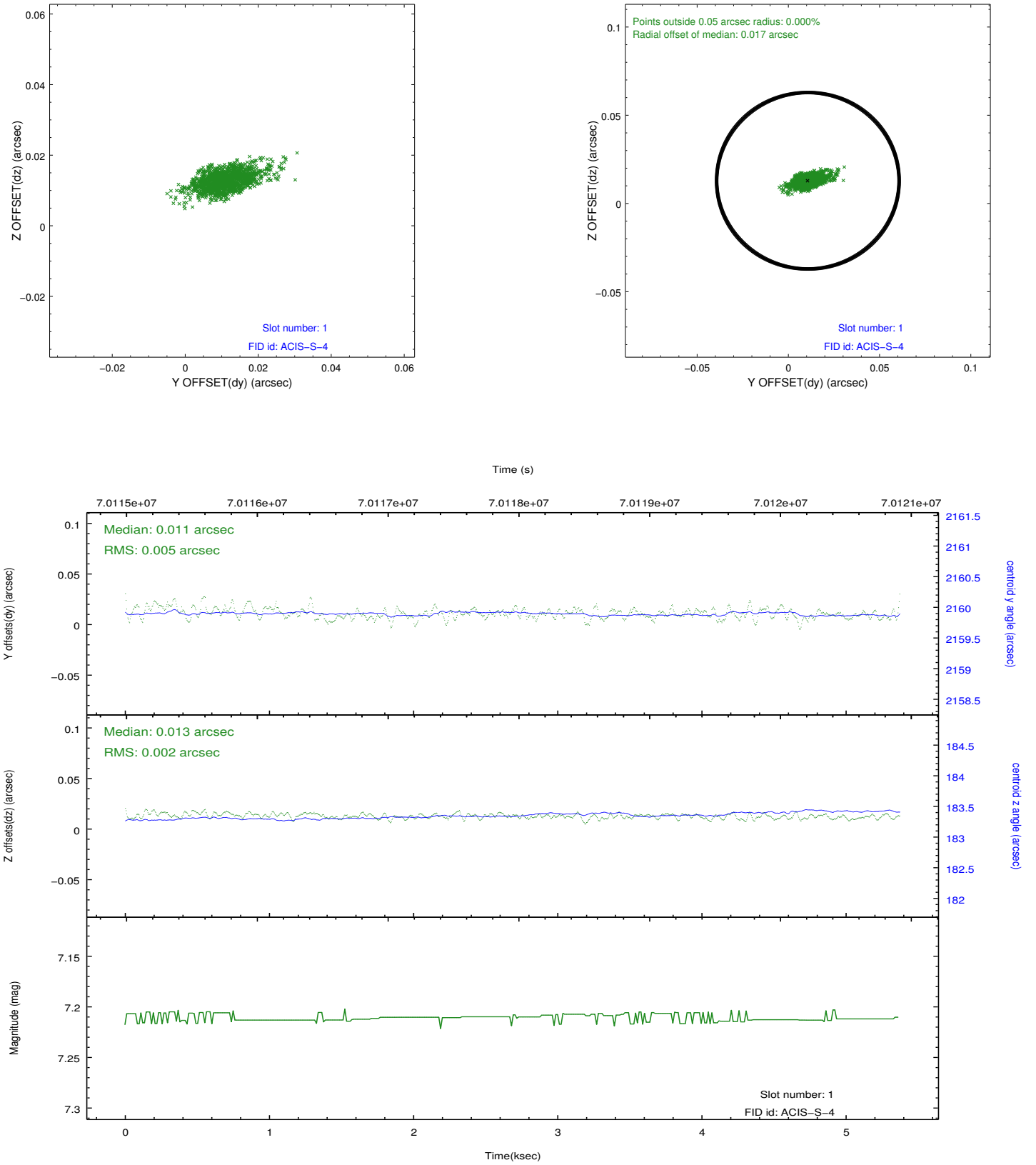


2.5 FID Slots

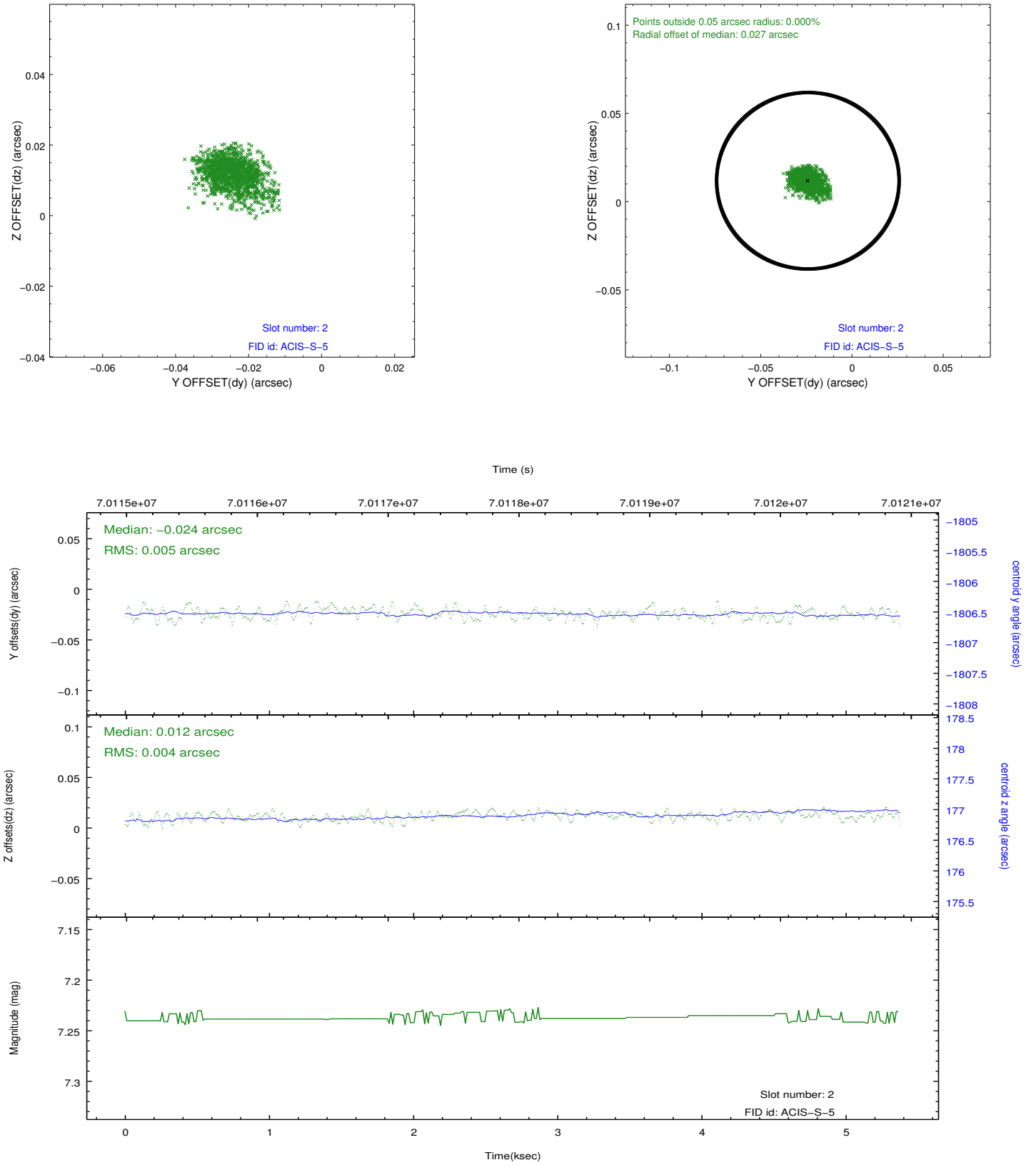
2.5.1 Slot 0



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)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.604

A.2 Comments