

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2085 - L2 Version 3
Chandra X-Ray Center

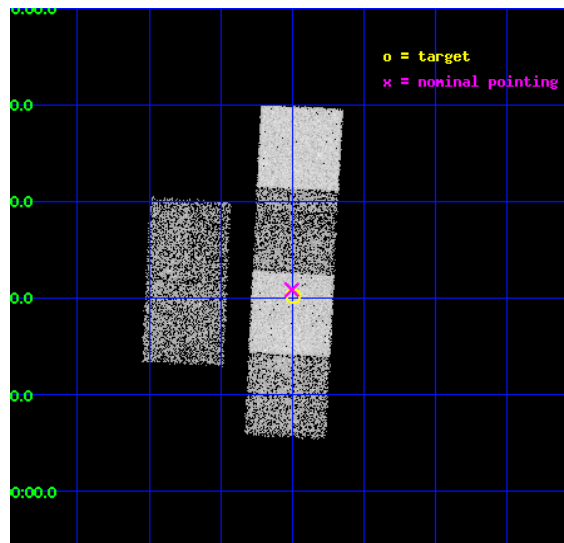
L2 Processing Date : Sep 14 2012

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1 Front

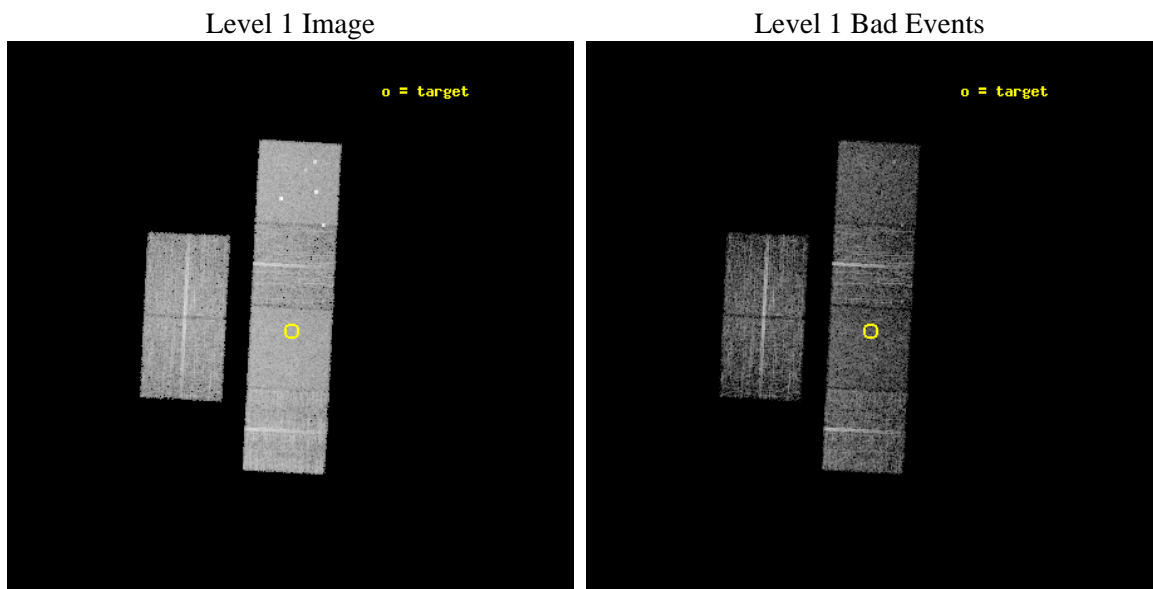
seq_num	700275	Sequence number
obs_id	2085	Observation id
title	AN X-RAY STUDY OF THE MOST DISTANT QUASARS FROM THE SLOAN DIGITAL SKY SURVEY	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSSJ153259-003944	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	233.249583	Observer's specified target RA [deg]
dec_targ	-0.66225	Observer's specified target Dec [deg]
ra_nom	233.25083042513	Nominal RA [deg]
dec_nom	-0.65259038656386	Nominal Dec [deg]
roll_nom	92.898657227607	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5152.0000047833	Sum of GTIs [s]
livetime	5086.7622785607	Livetime [s]
ontime2	5152.0000047833	Sum of GTIs [s]
ontime3	5152.0000047833	Sum of GTIs [s]
ontime5	5152.0000047833	Sum of GTIs [s]
ontime6	5152.0000047833	Sum of GTIs [s]
ontime7	5152.0000047833	Sum of GTIs [s]
ontime8	5152.0000047833	Sum of GTIs [s]
l2events	62306	Number of level 2 events



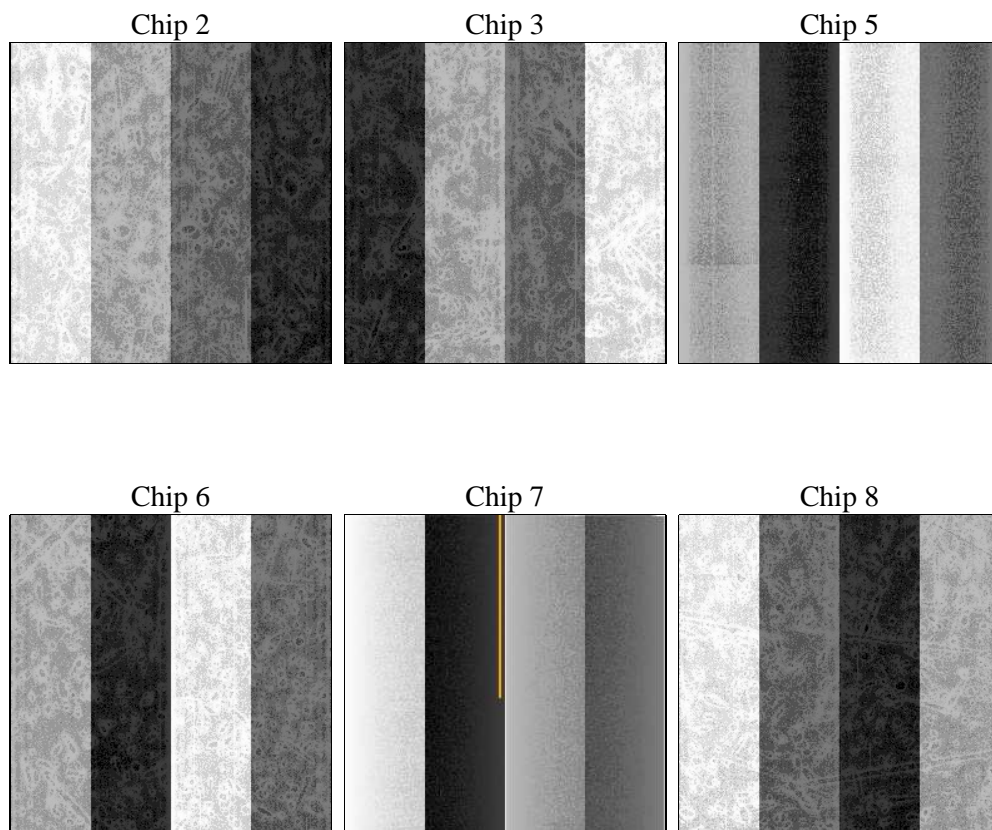
2 OBI

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	8.4.5	Processing system revision	ontime	5152.0000047833	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	5152.0000047833	Sum of GTIs [s]
date	2012-09-14T19:20:40	Date and time of file creation	ontime3	5152.0000047833	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5152.0000047833	Sum of GTIs [s]
			ontime6	5152.0000047833	Sum of GTIs [s]
			ontime7	5152.0000047833	Sum of GTIs [s]
			ontime8	5152.0000047833	Sum of GTIs [s]
			l1events	275678	Number of level 1 events

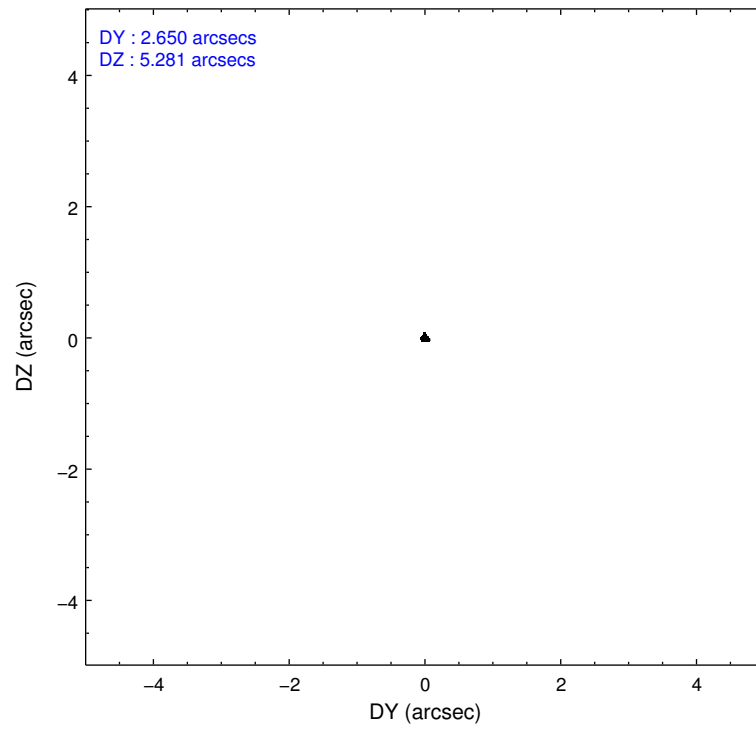
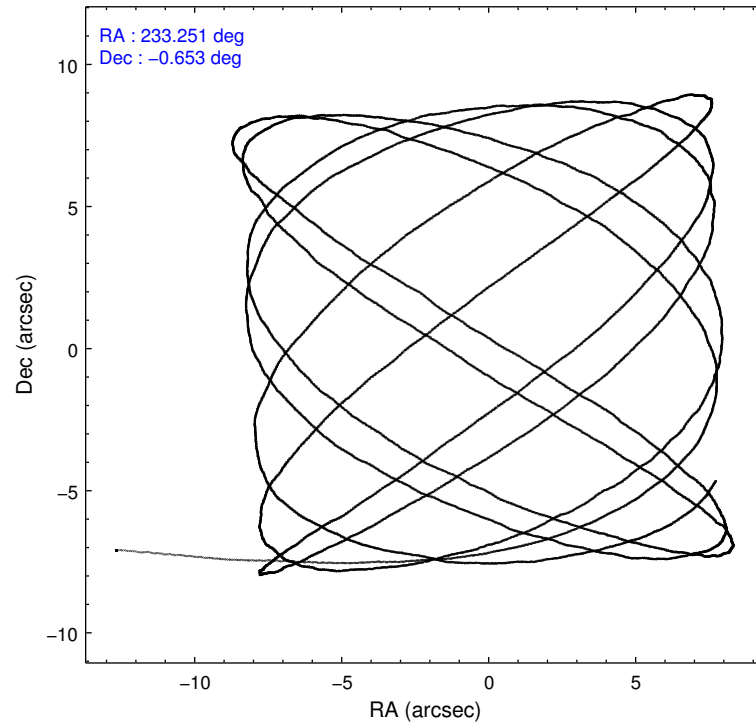
2.1.4 Events

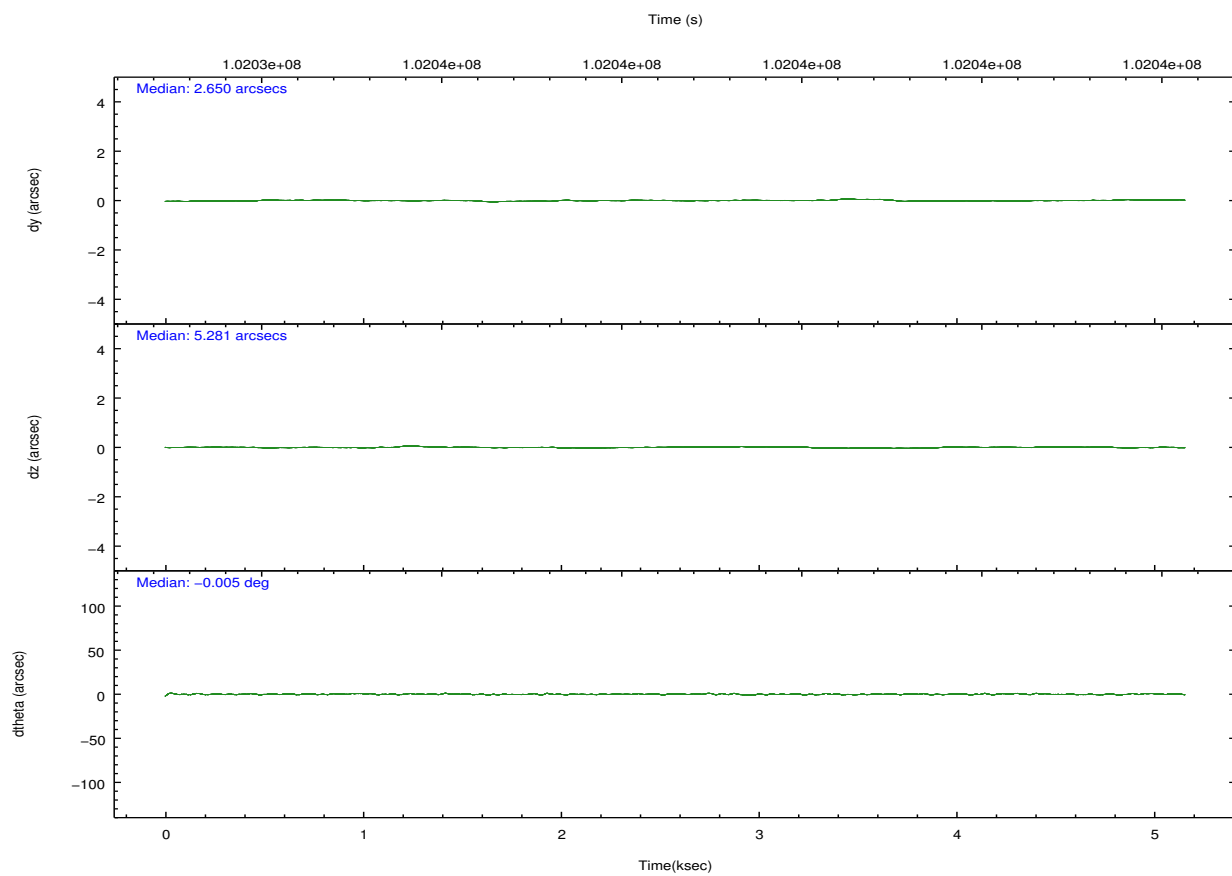
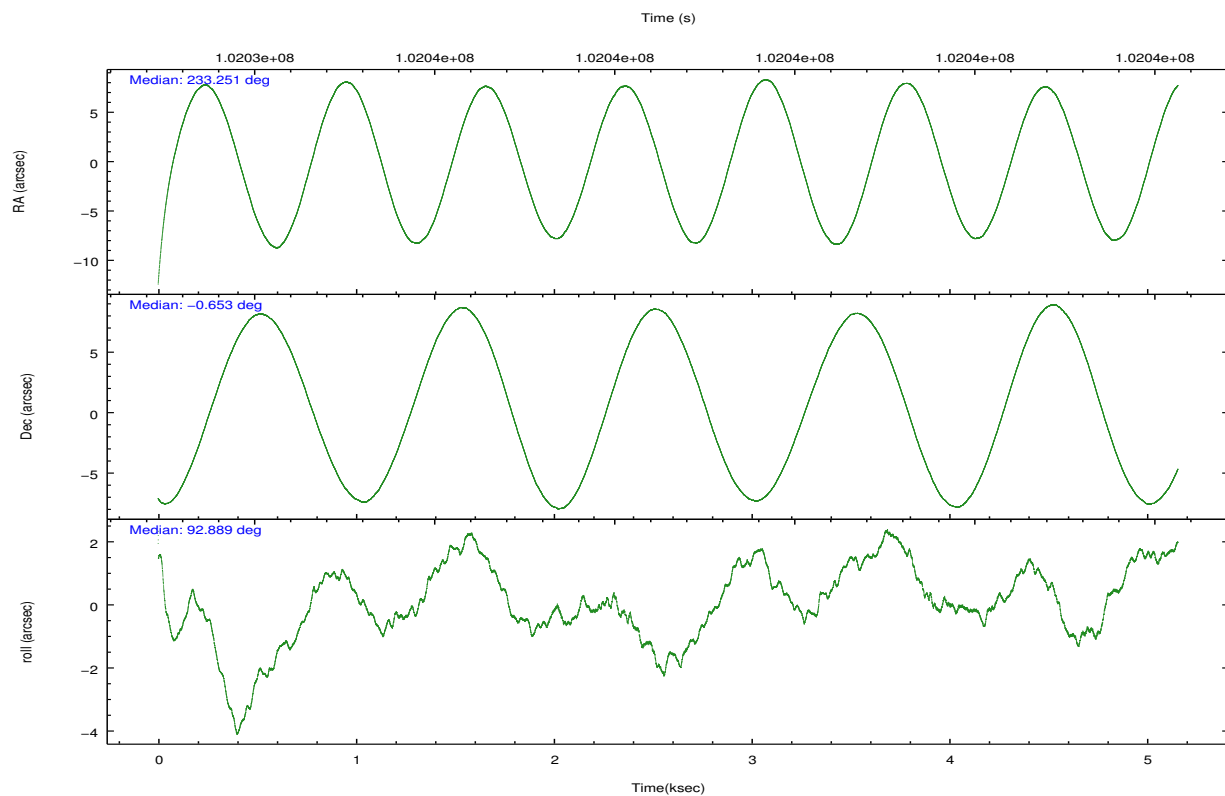
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40108	37335	54973	39420	49116	54726	grade 0 events	2362	2235	5130	2535	2491	6103
rejected events	35058	32428	28530	34057	27821	38882		5%	5%	9%	6%	5%	11%
rejected %	87%	86%	51%	86%	56%	71%	grade 1 events	13	29	158	17	62	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	1246	1194	7404	1259	4340	2899
								3%	3%	13%	3%	8%	5%
							grade 3 events	380	431	1161	428	2068	2141
								0%	1%	2%	1%	4%	3%
							grade 4 events	441	445	1150	410	1976	1998
								1%	1%	2%	1%	4%	3%
							grade 5 events	1202	1322	3788	1511	4359	1996
								2%	3%	6%	3%	8%	3%
							grade 6 events	889	849	12643	1019	11300	3565
								2%	2%	22%	2%	23%	6%
							grade 7 events	33575	30830	23539	32241	22520	35967
								83%	82%	42%	81%	45%	65%

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	233.265899	233.2508304251344	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.675313	-0.6525903865638615	Alternating exposures requested	N	N
[deg] Pointing Roll	92.742193	92.89865722760732	[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)	102033872.184000	102032671.72156			
Observation start date	2001-03-26T22:43:28	2001-03-26T22:24:31			
[s] Observation end time (MET)	102038872.184000	102039488.99682			
Observation end date	2001-03-27T00:06:48	2001-03-27T00:18:08			
Read mode	TIMED	TIMED			

2.3 Aspect



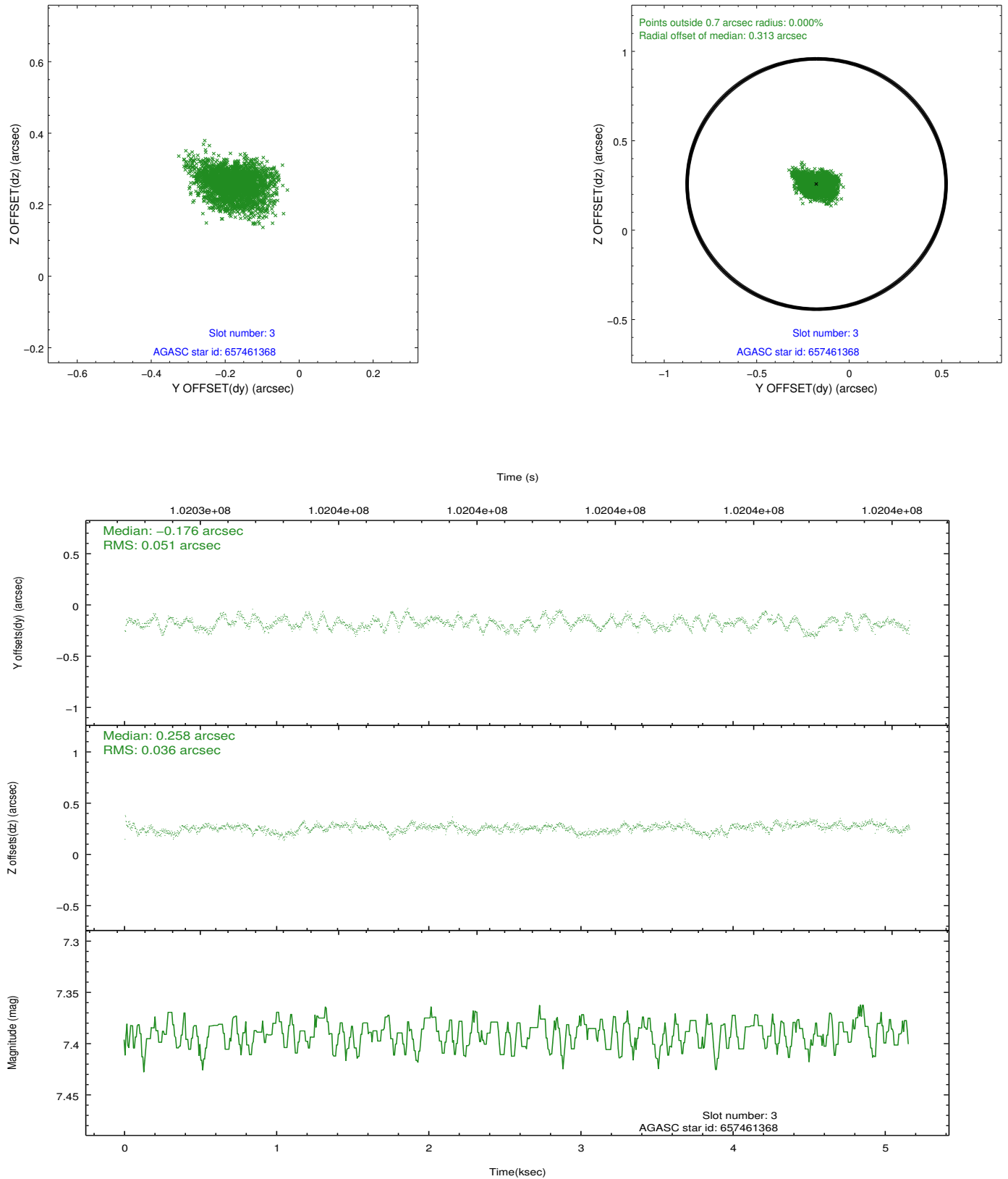


Slot Statistics

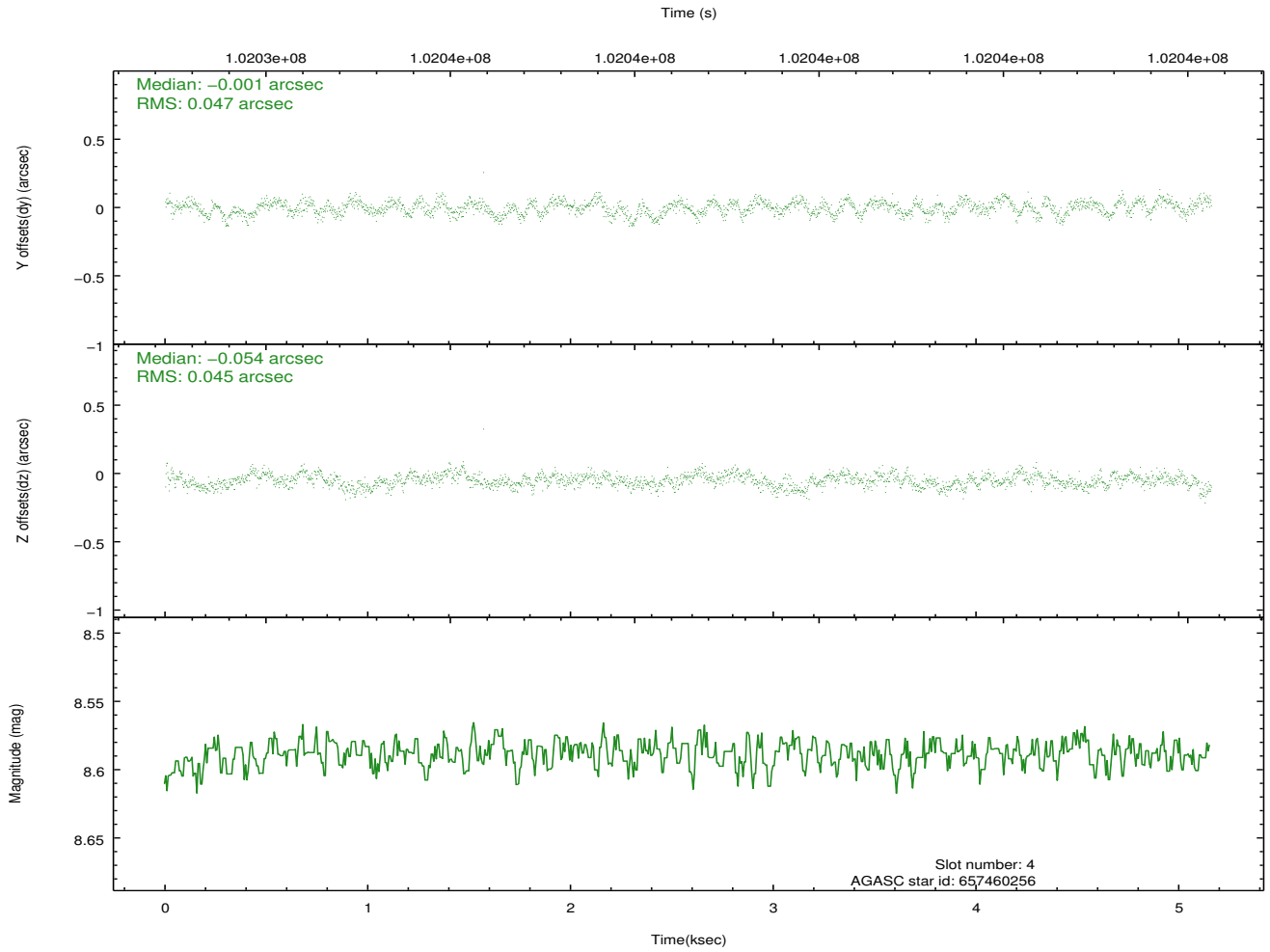
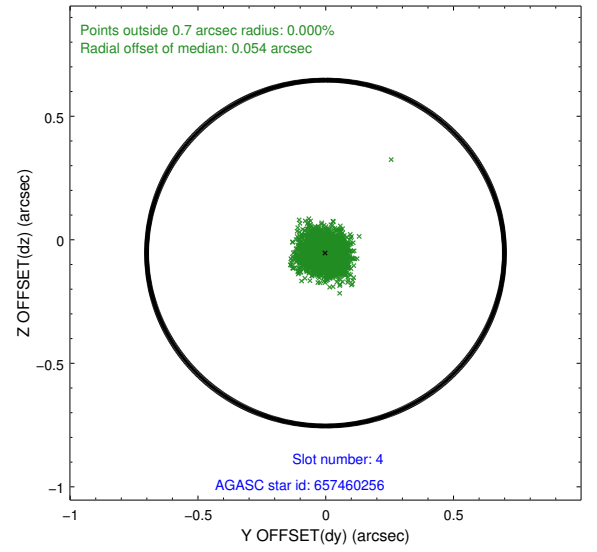
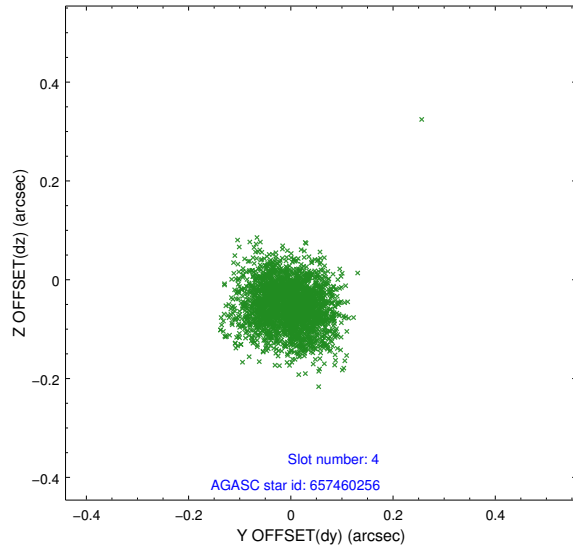
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1258	-0.024	-0.025	0.006	0.010	0.000000	0.000000	-755.26	-1726.39
1	FID	ACIS-S-4	7.20	1258	-0.009	0.009	0.006	0.009	0.000000	0.000000	2157.45	180.98
2	FID	ACIS-S-6	7.36	1258	0.005	0.024	0.007	0.011	0.000000	0.000000	408.20	819.69
3	GUIDE	657461368	7.39	2517	-0.176	0.258	0.066	0.109	233.706562	-0.146540	1825.81	-1675.63
4	GUIDE	657460256	8.59	2517	-0.001	-0.054	0.070	0.111	232.775604	-0.780171	-292.11	1779.67
5	GUIDE	657463000	9.16	2516	0.059	-0.013	0.081	0.134	233.155519	-0.333918	1246.71	338.53
6	GUIDE	657459720	9.38	2516	0.100	-0.173	0.090	0.145	232.649919	-0.849723	-520.84	2244.15
7	GUIDE	657460864	9.40	2515	0.021	-0.018	0.092	0.148	232.809883	-0.724381	-98.25	1648.44

2.4 Star Slots

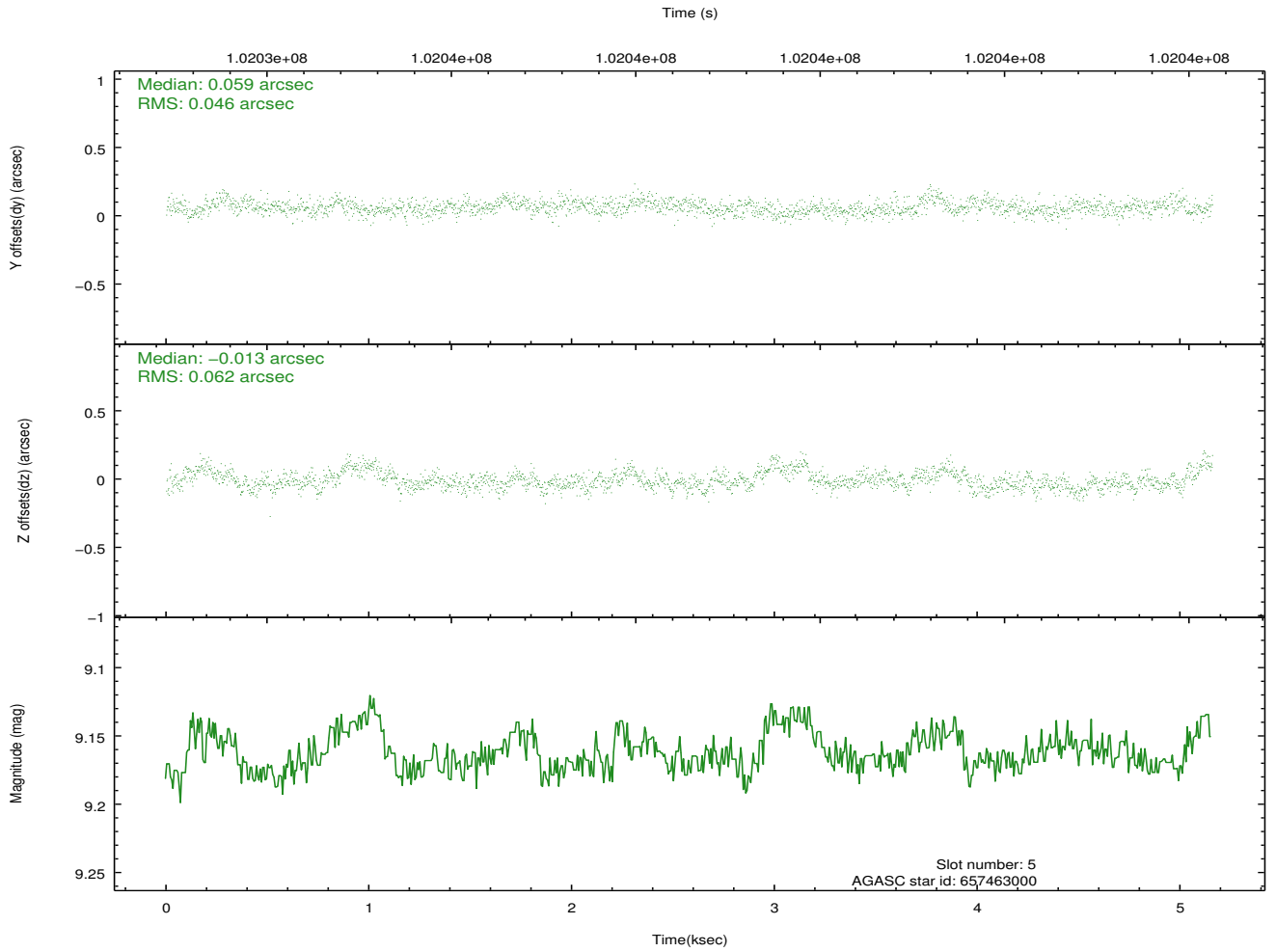
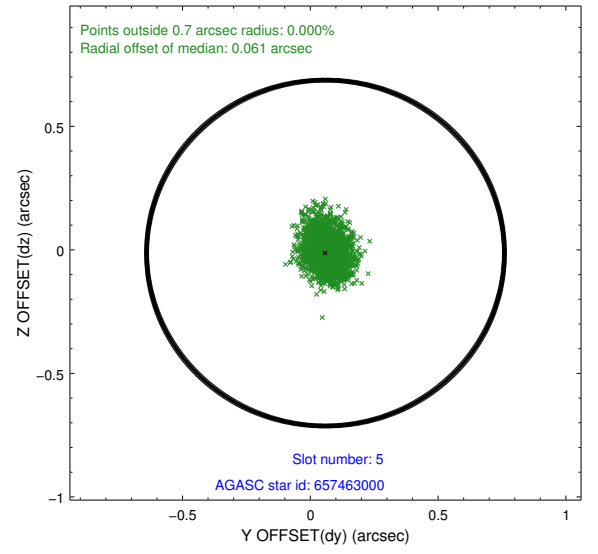
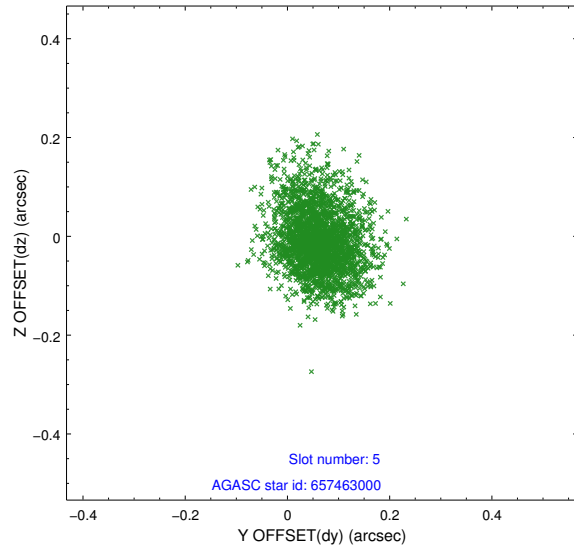
2.4.1 Slot 3



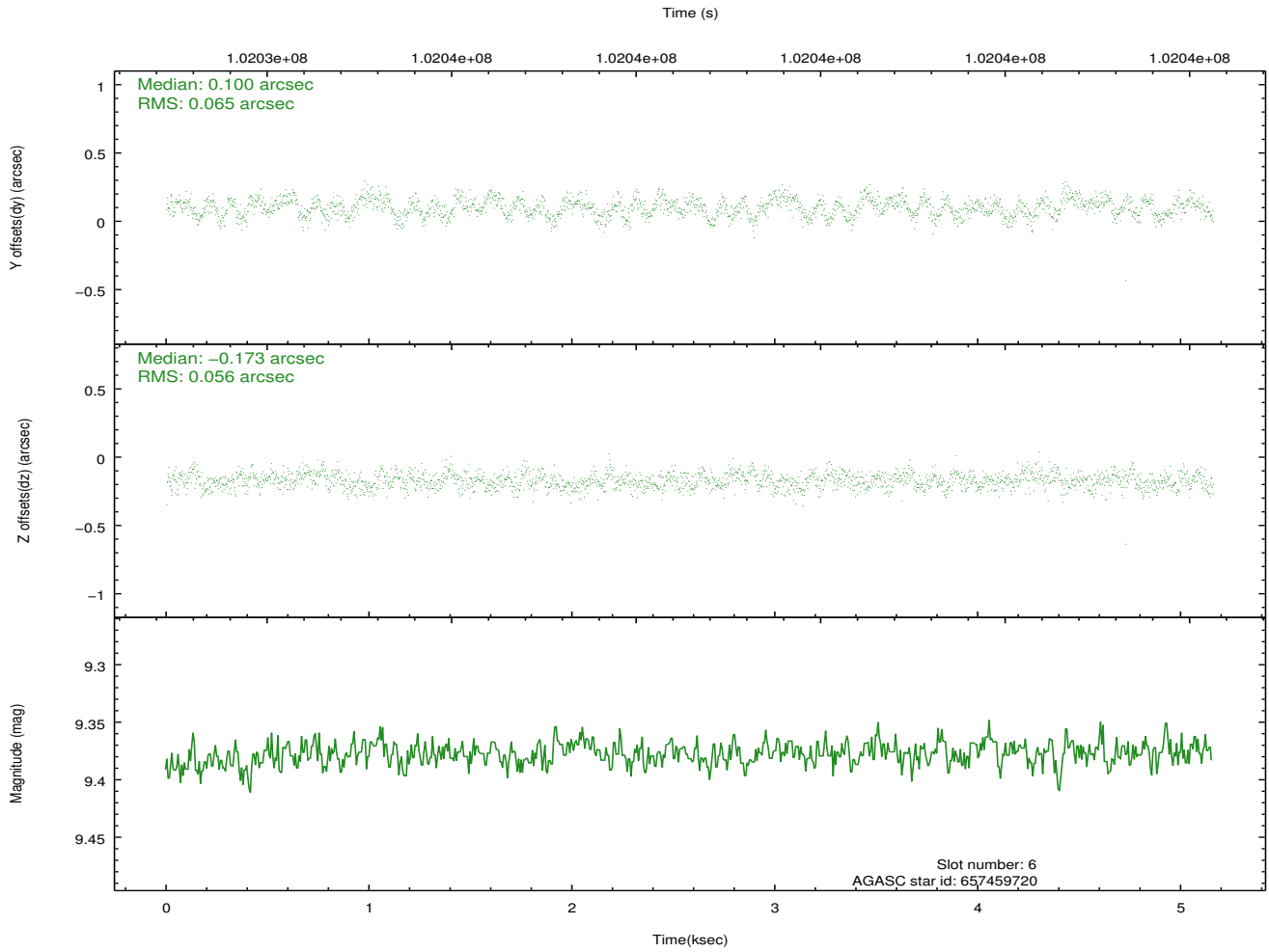
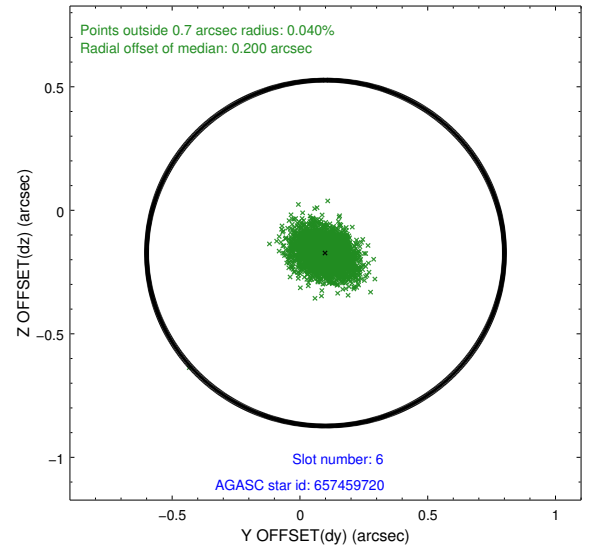
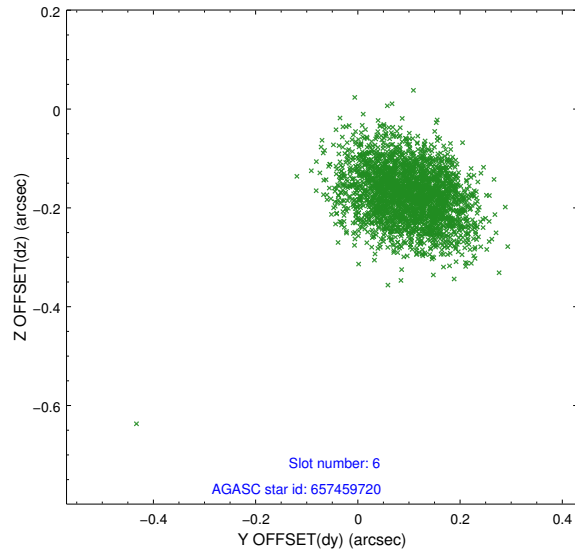
2.4.2 Slot 4



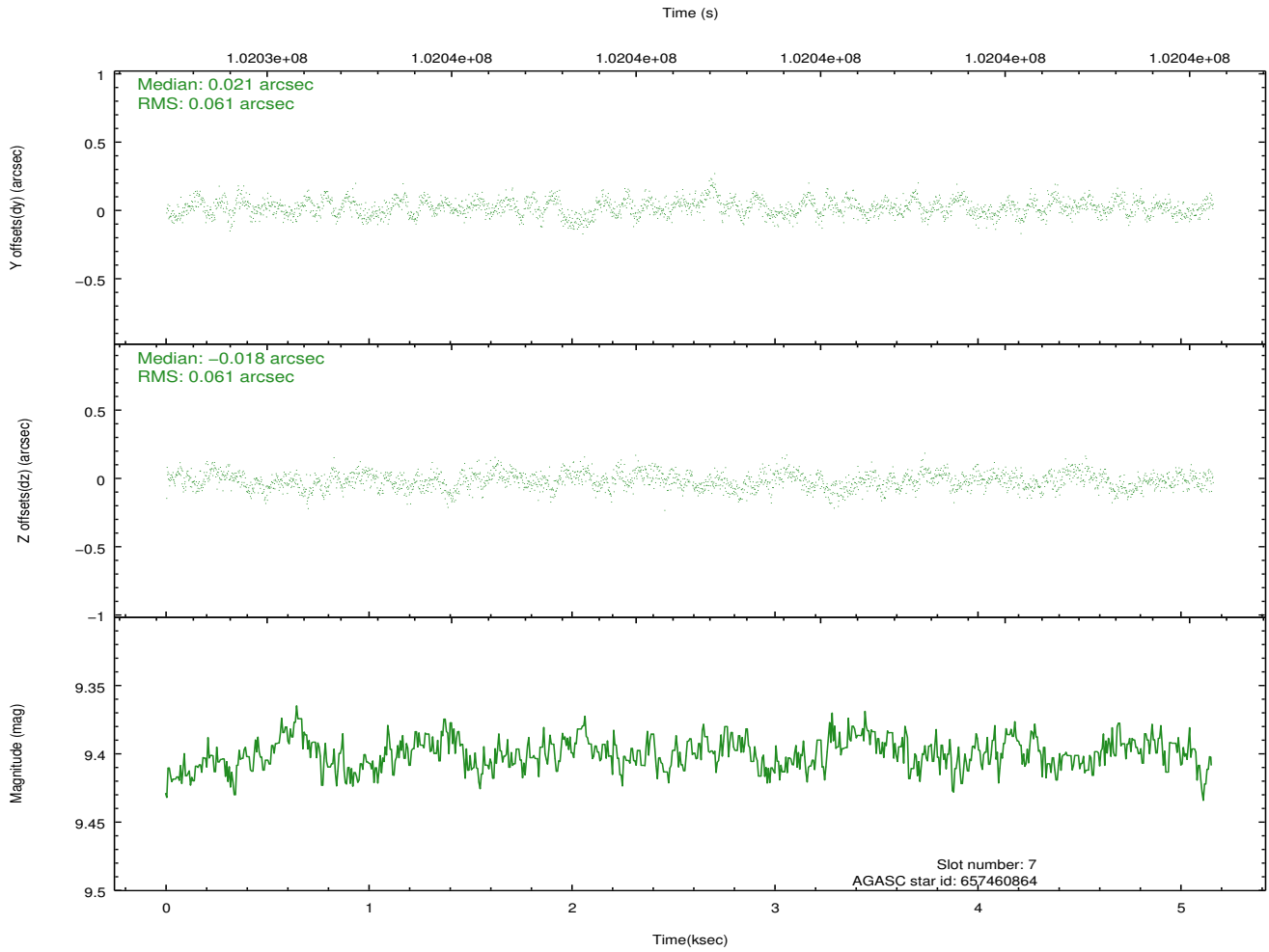
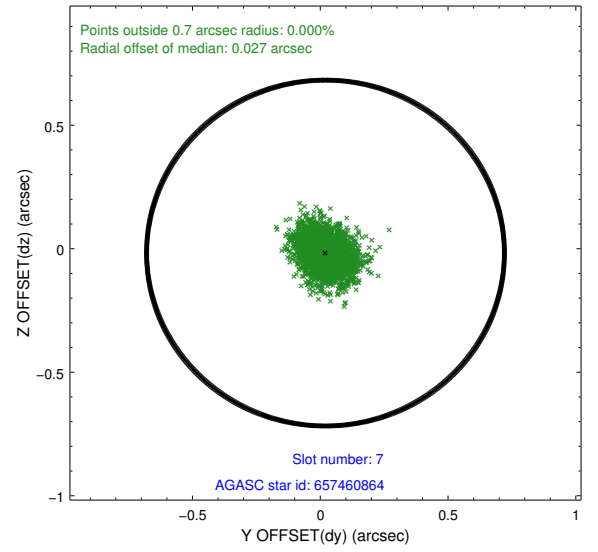
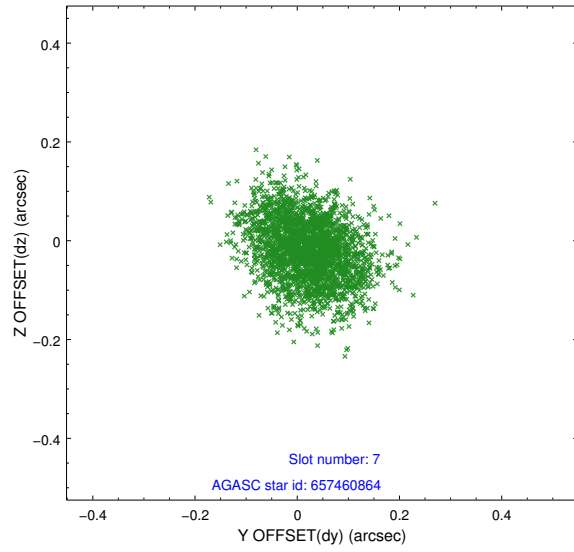
2.4.3 Slot 5



2.4.4 Slot 6

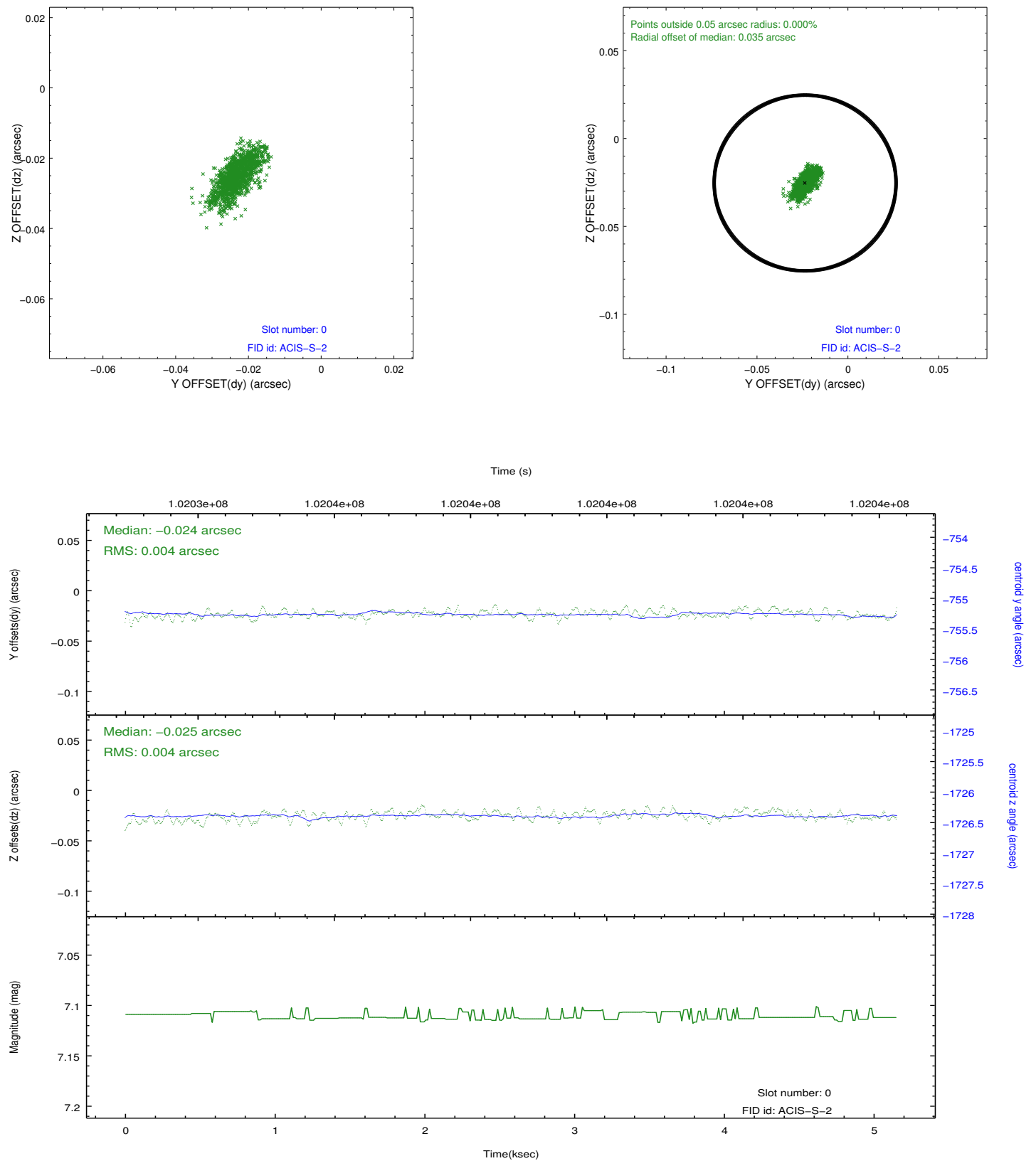


2.4.5 Slot 7

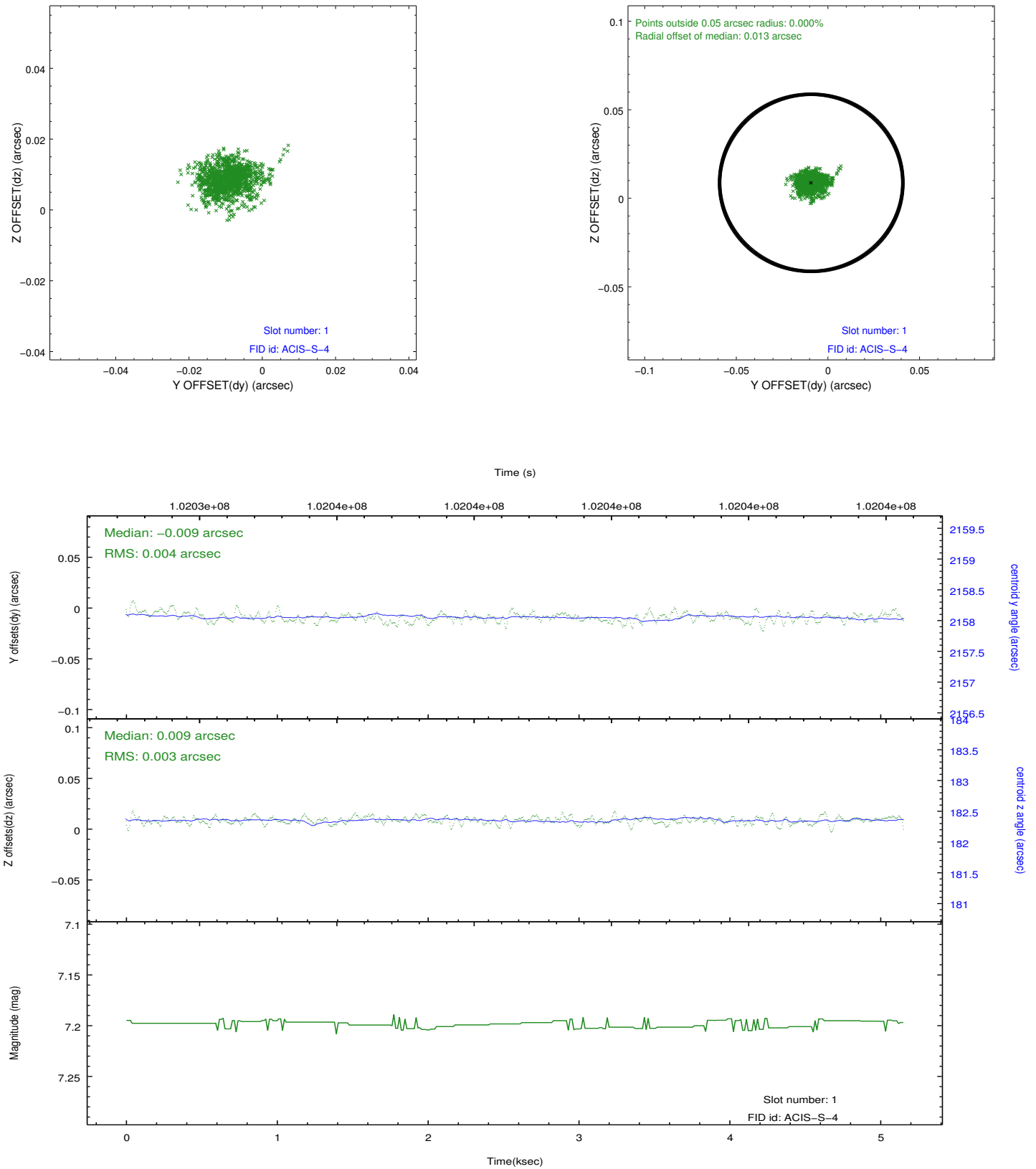


2.5 FID Slots

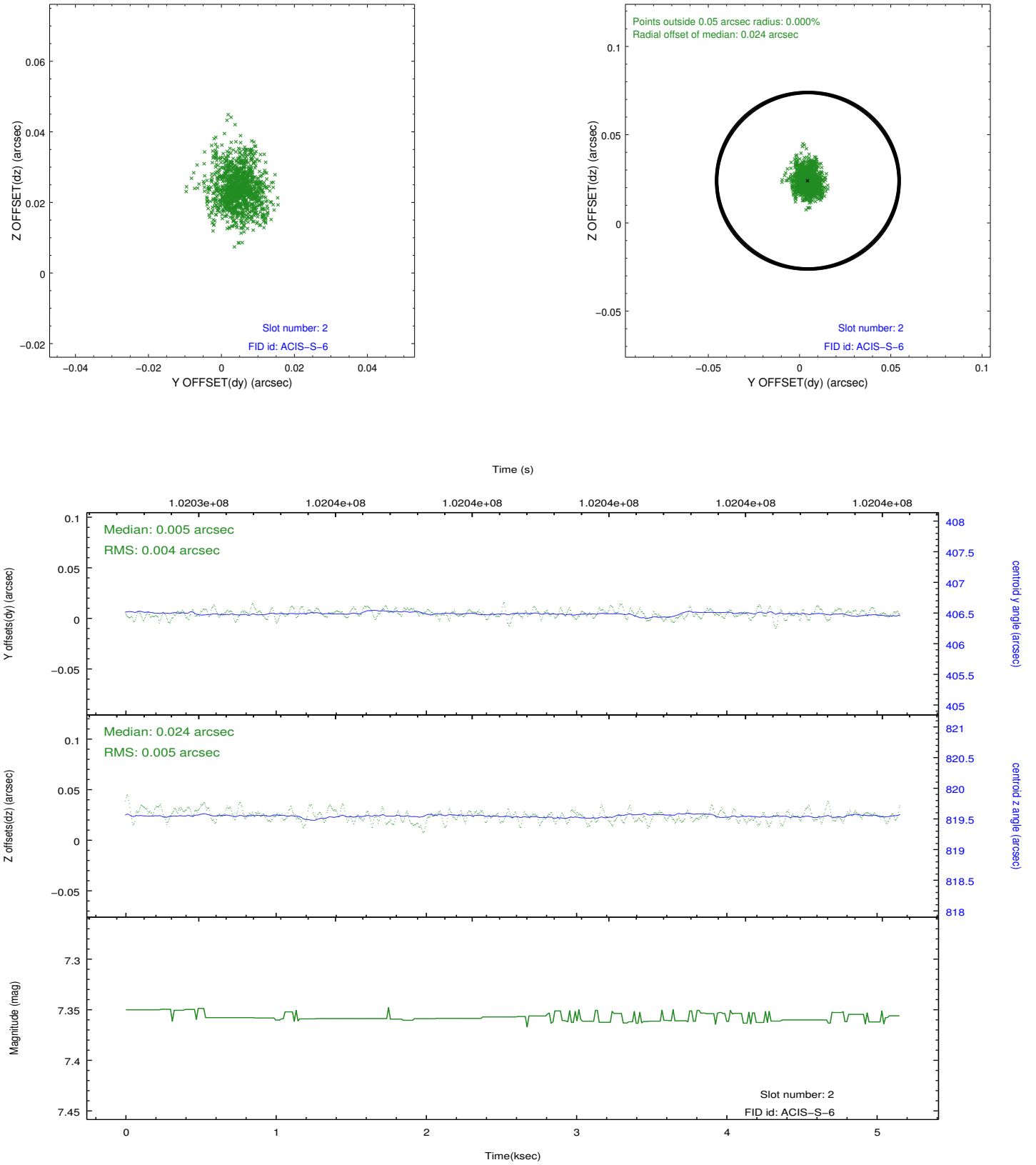
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15

A.2 Comments