

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3449 - L2 Version 3
Chandra X-Ray Center

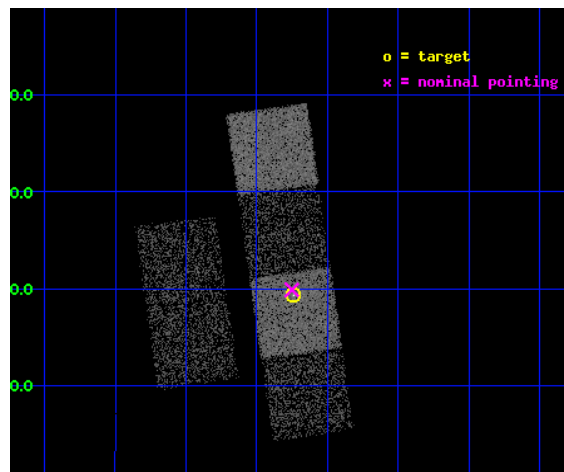
L2 Processing Date : Oct 3 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

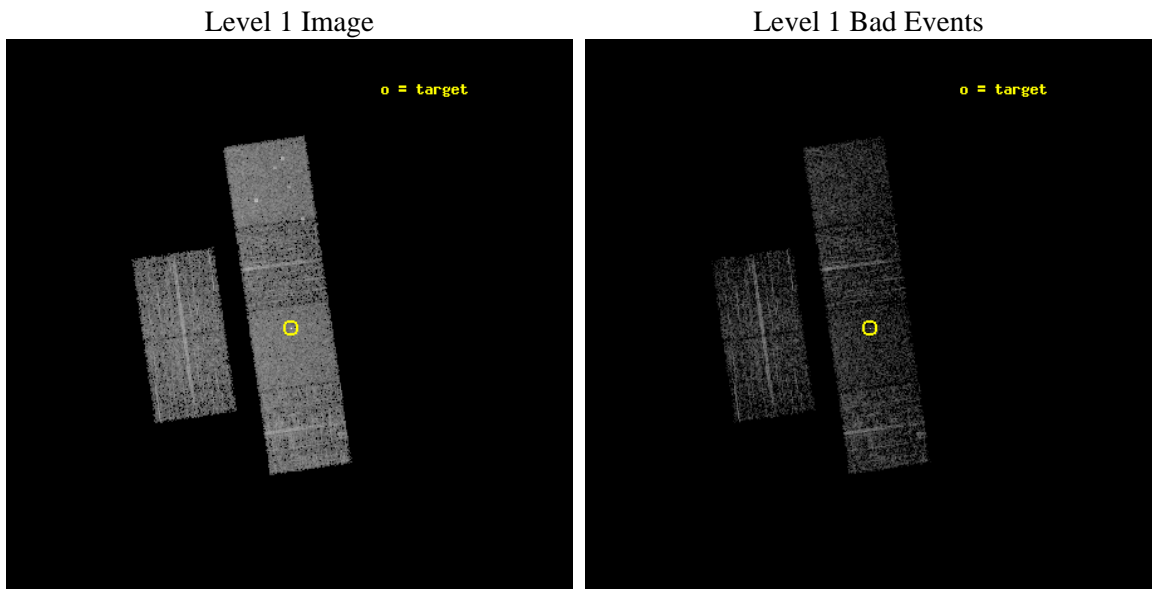
seq_num	500292	Sequence number
obs_id	3449	Observation id
title	TOO OBSERVATIONS OF SGR 1900+14 IN AN UNUSUAL ACTIVE STATE	Proposa
observer	Dr. Peter Woods	Principal investigator
object	SGR 1900+14	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	286.809708	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.81292140783	Nominal RA [deg]
dec_nom	9.3314044910632	Nominal Dec [deg]
roll_nom	81.75490695142	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2661.4952595532	Sum of GTIs [s]
livetime	2627.7938040167	Livetime [s]
ontime2	2661.5362995565	Sum of GTIs [s]
ontime3	2661.3721395582	Sum of GTIs [s]
ontime5	2661.4542195499	Sum of GTIs [s]
ontime6	2661.4131795615	Sum of GTIs [s]
ontime7	2661.4952595532	Sum of GTIs [s]
ontime8	2658.0902190357	Sum of GTIs [s]
l2events	29010	Number of level 2 events



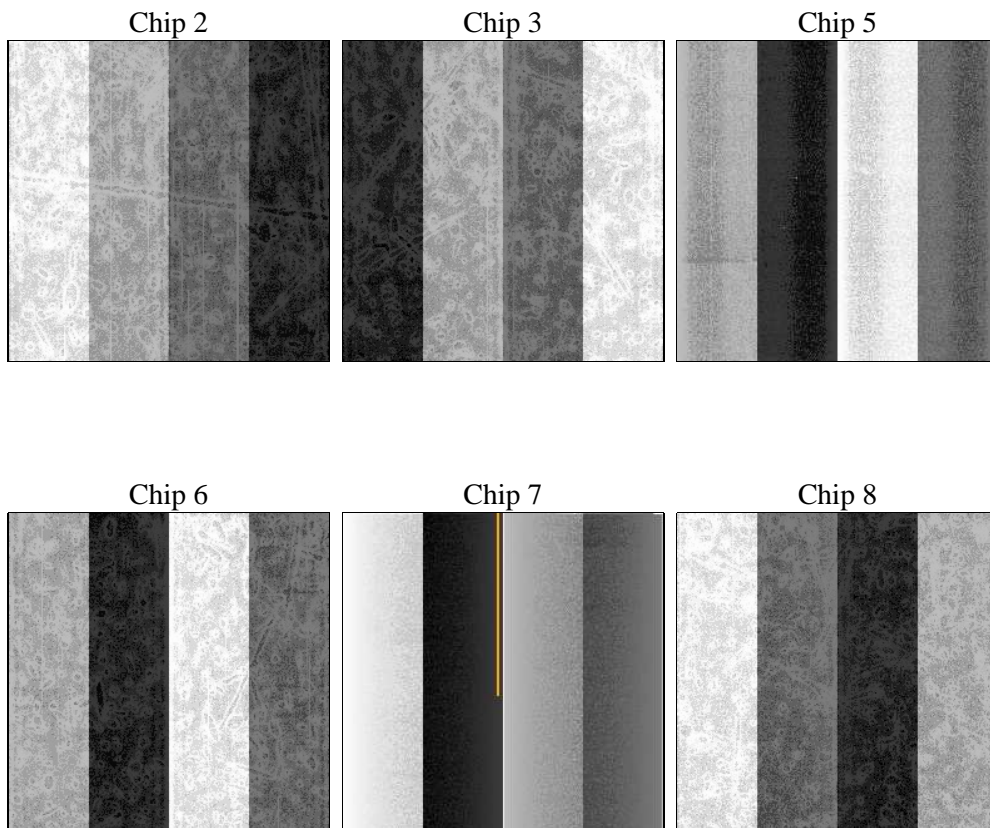
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2661.4952595532	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2661.5362995565	Sum of GTIs [s]
date	2012-10-03T19:46:29	Date and time of file creation	ontime3	2661.3721395582	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2661.4542195499	Sum of GTIs [s]
			ontime6	2661.4131795615	Sum of GTIs [s]
			ontime7	2661.4952595532	Sum of GTIs [s]
			ontime8	2658.0902190357	Sum of GTIs [s]
			l1events	127581	Number of level 1 events

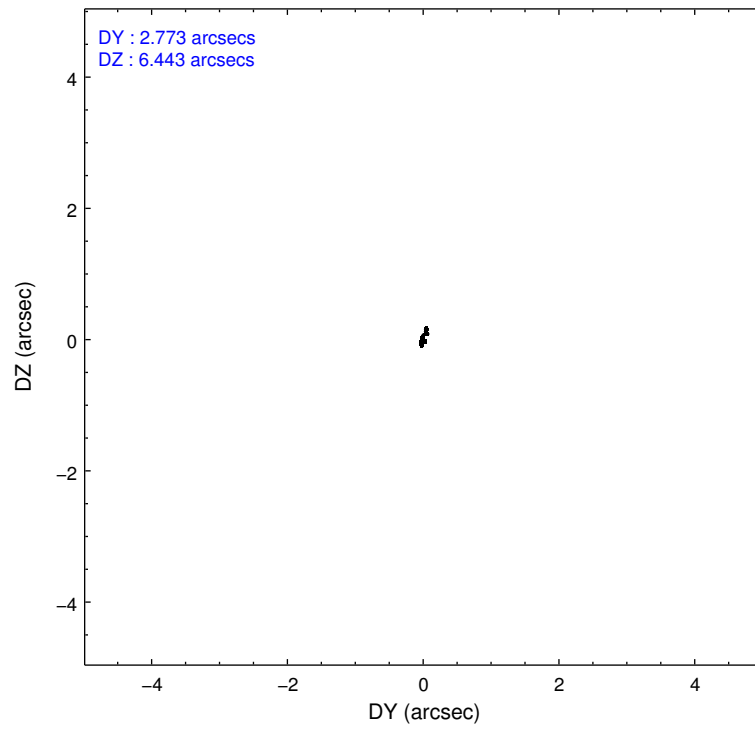
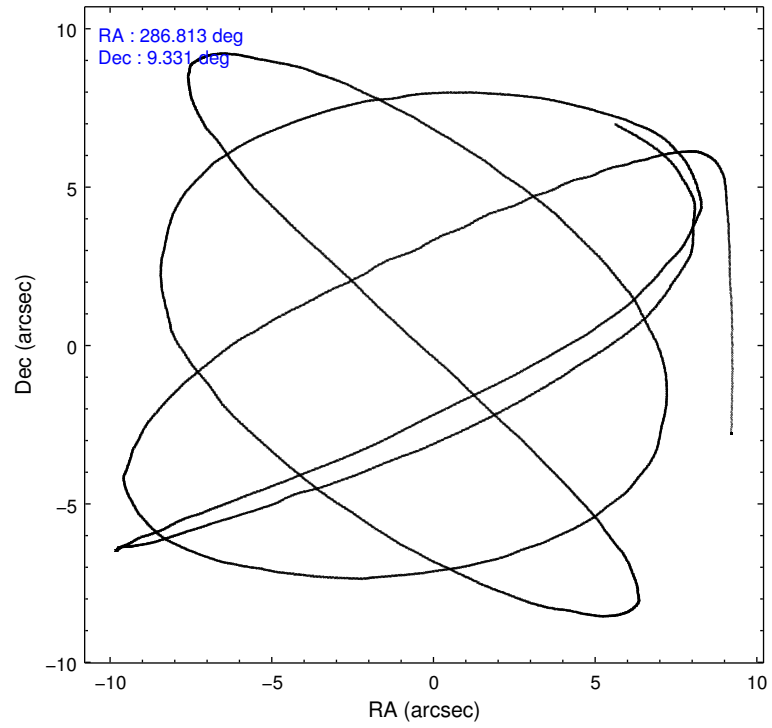
2.1.4 Events

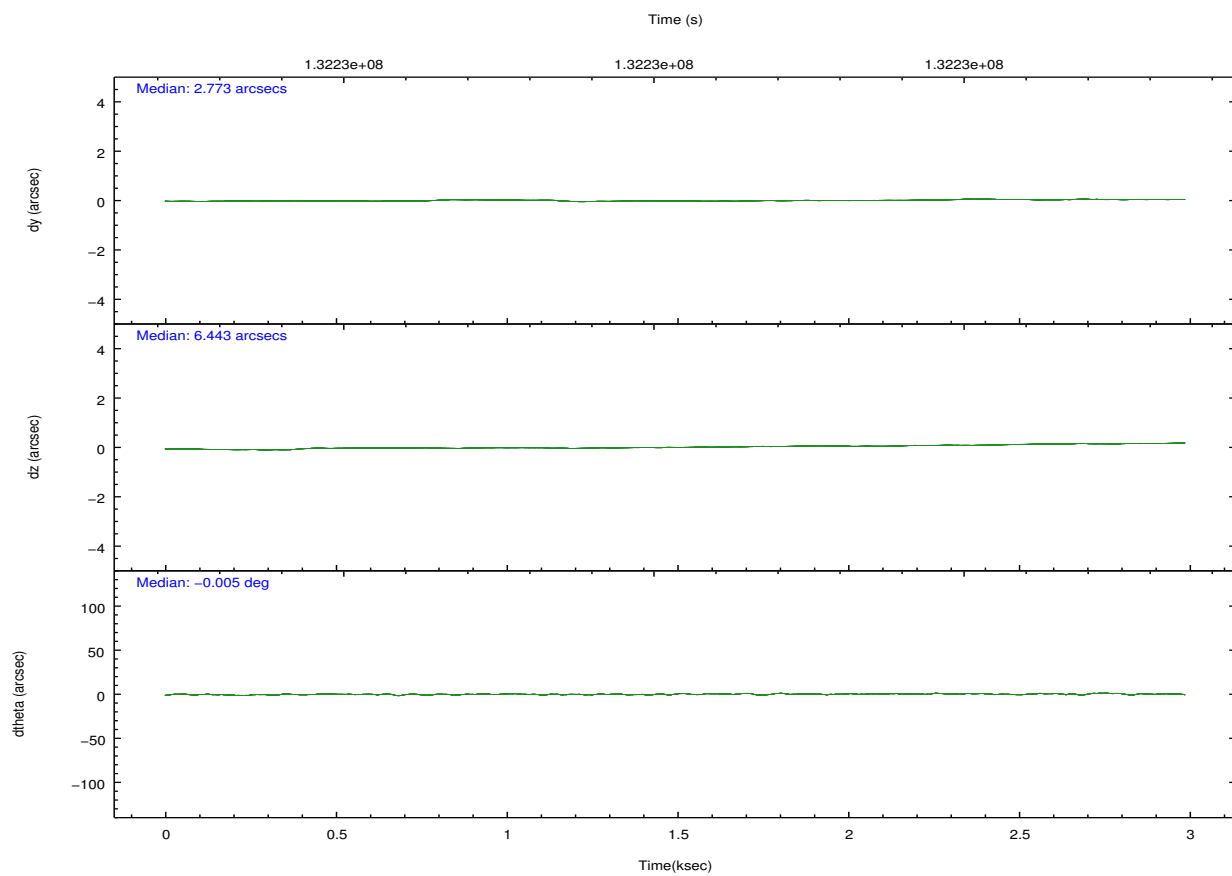
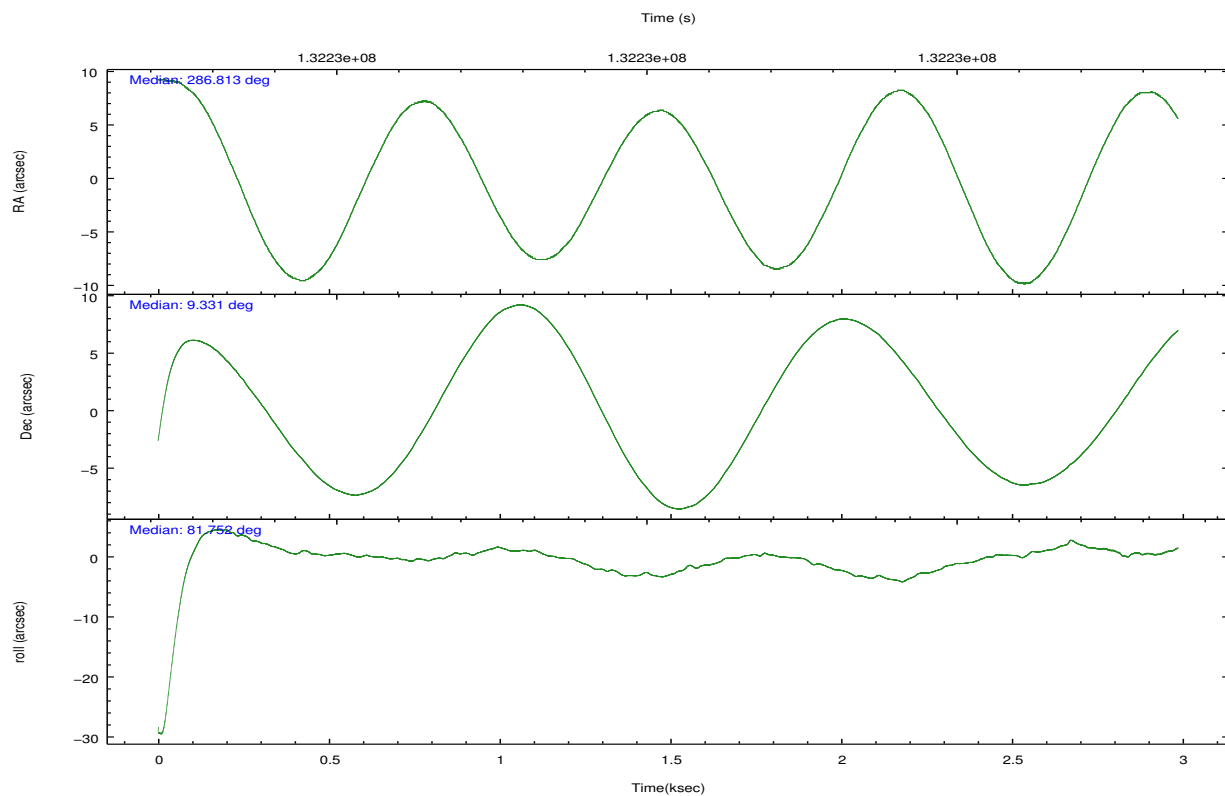
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18655	18601	25984	17443	23896	23002	grade 0 events	1046	915	1604	931	1118	1618
rejected events	16304	16476	13905	15186	13308	17827		5%	4%	6%	5%	4%	7%
rejected %	87%	88%	53%	87%	55%	77%	grade 1 events	13	8	49	7	35	15
								0%	0%	0%	0%	0%	0%
							grade 2 events	525	408	3474	450	2111	1094
								2%	2%	13%	2%	8%	4%
							grade 3 events	191	195	477	204	986	620
								1%	1%	1%	1%	4%	2%
							grade 4 events	211	227	458	237	926	544
								1%	1%	1%	1%	3%	2%
							grade 5 events	637	758	1917	741	2279	984
								3%	4%	7%	4%	9%	4%
							grade 6 events	379	385	6109	440	5479	1307
								2%	2%	23%	2%	22%	5%
							grade 7 events	15653	15705	11896	14433	10962	16820
								83%	84%	45%	82%	45%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	286.823359	286.8129214078255	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.306275	9.331404491063196	Alternating exposures requested	N	N
[deg] Pointing Roll	81.596754	81.75490695142047	[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)	132231860.184000	132230831.8788			
Observation start date	2002-03-11T11:03:16	2002-03-11T10:47:11			
[s] Observation end time (MET)	132234560.184000	132235348.02898			
Observation end date	2002-03-11T11:48:16	2002-03-11T12:02:28			
Read mode	TIMED	TIMED			

2.3 Aspect



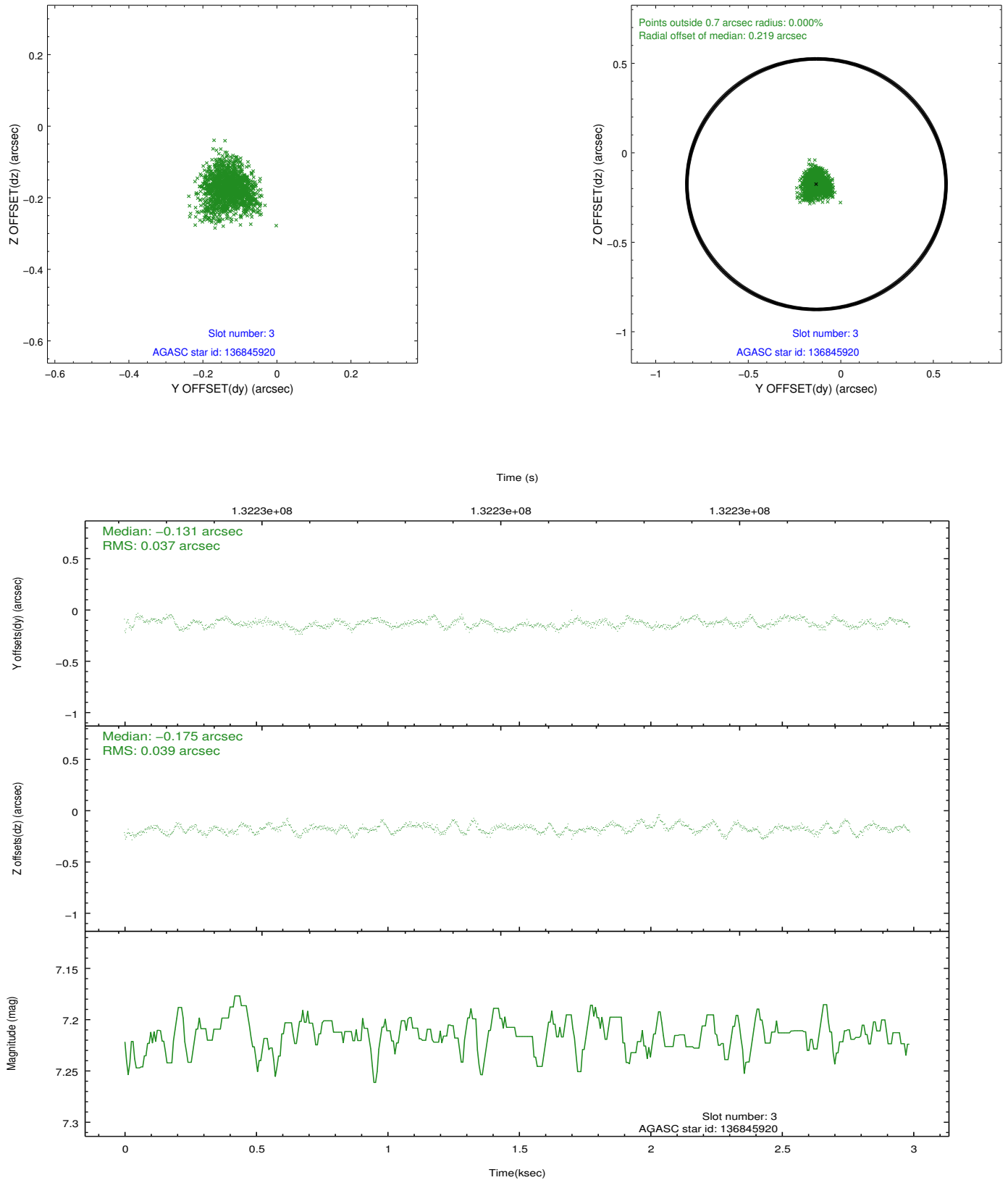


Slot Statistics

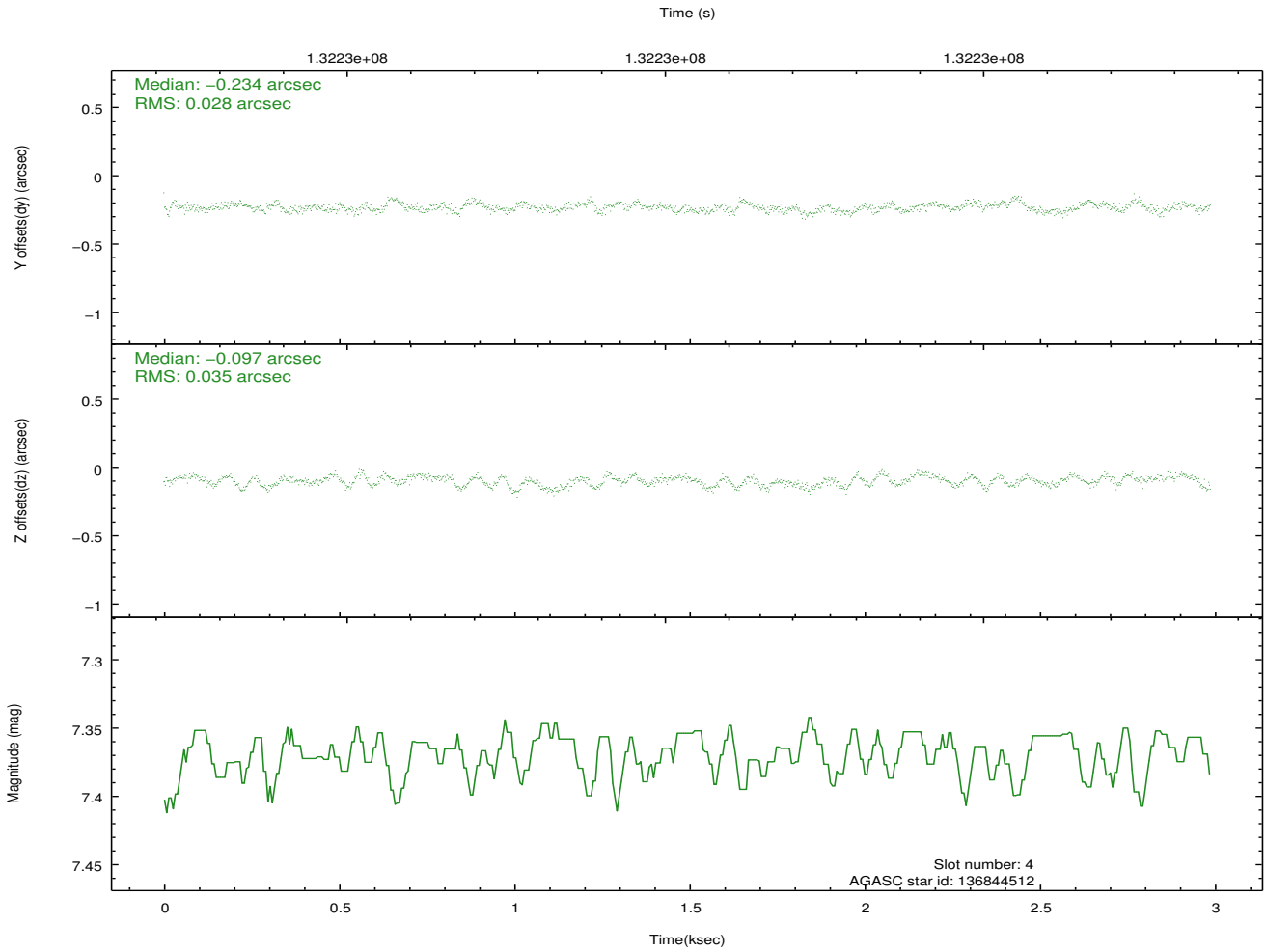
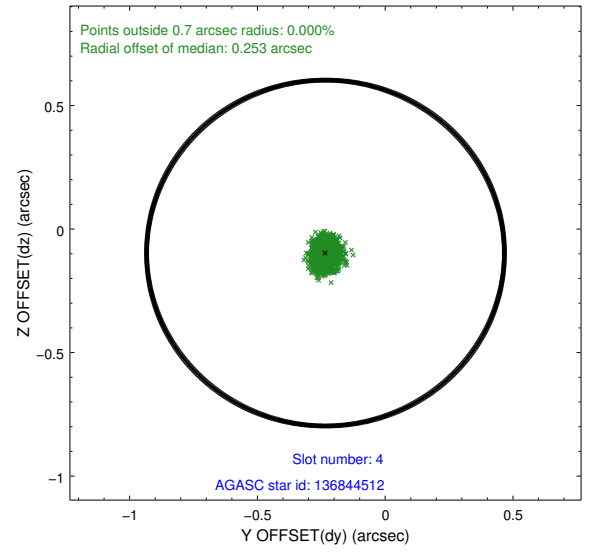
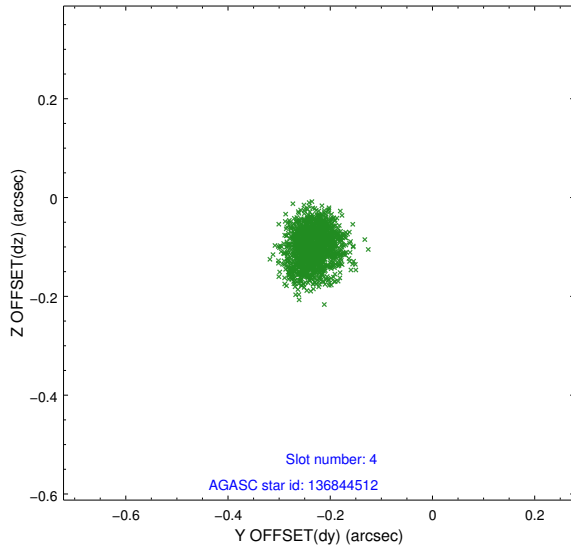
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	729	-0.008	-0.006	0.006	0.011	0.000000	0.000000	-755.40	-1727.58
1	FID	ACIS-S-4	7.20	729	-0.015	0.002	0.006	0.011	0.000000	0.000000	2156.88	178.74
2	FID	ACIS-S-6	7.36	729	-0.004	0.011	0.007	0.014	0.000000	0.000000	409.31	818.56
3	GUIDE	136845920	7.21	1458	-0.131	-0.175	0.058	0.092	286.285607	9.642131	918.18	2064.80
4	GUIDE	136844512	7.37	1458	-0.234	-0.097	0.049	0.076	286.436543	9.770401	1453.17	1603.30
5	GUIDE	136316696	7.90	1458	-0.032	0.162	0.046	0.076	287.190166	9.367792	411.00	-1255.14
6	GUIDE	136323720	8.86	1458	0.253	-0.021	0.081	0.127	286.331708	8.774626	-2147.75	1449.94
7	GUIDE	136317344	9.25	1457	0.139	0.134	0.094	0.150	287.032148	8.921467	-1263.22	-936.04

2.4 Star Slots

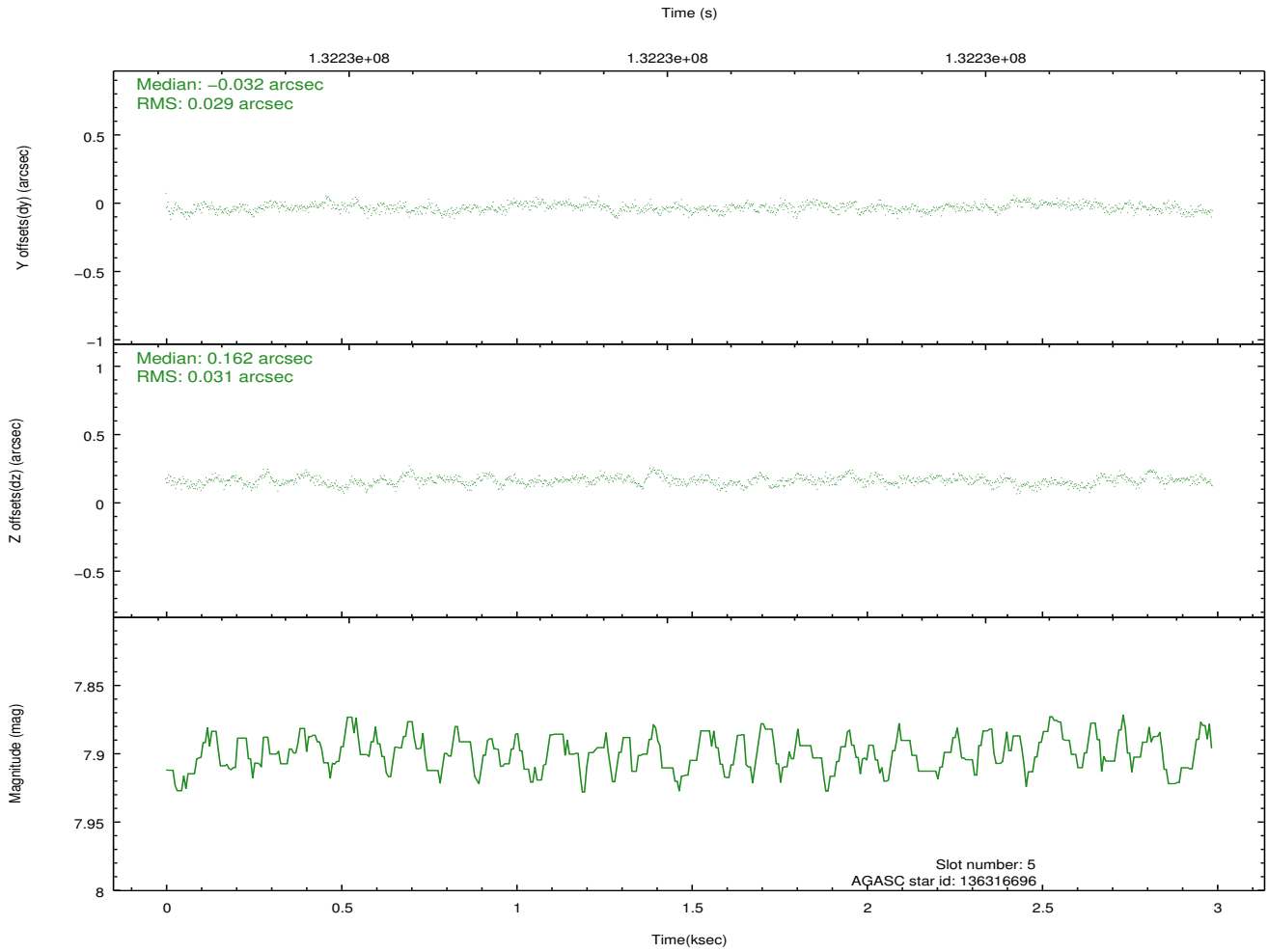
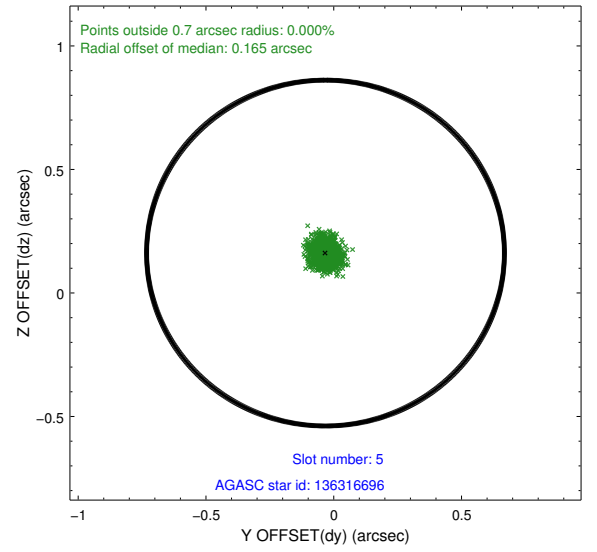
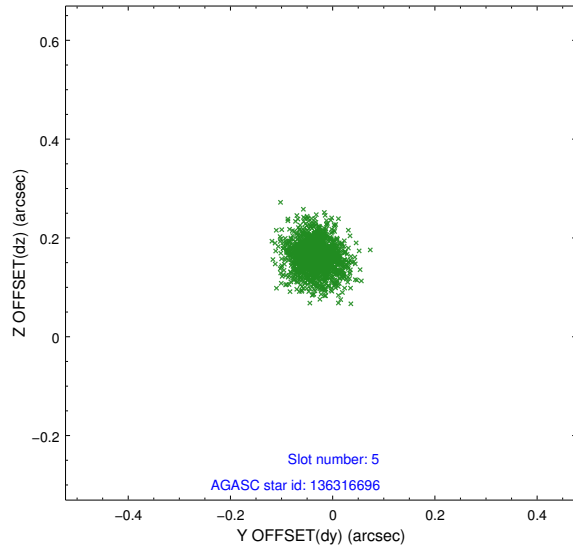
2.4.1 Slot 3



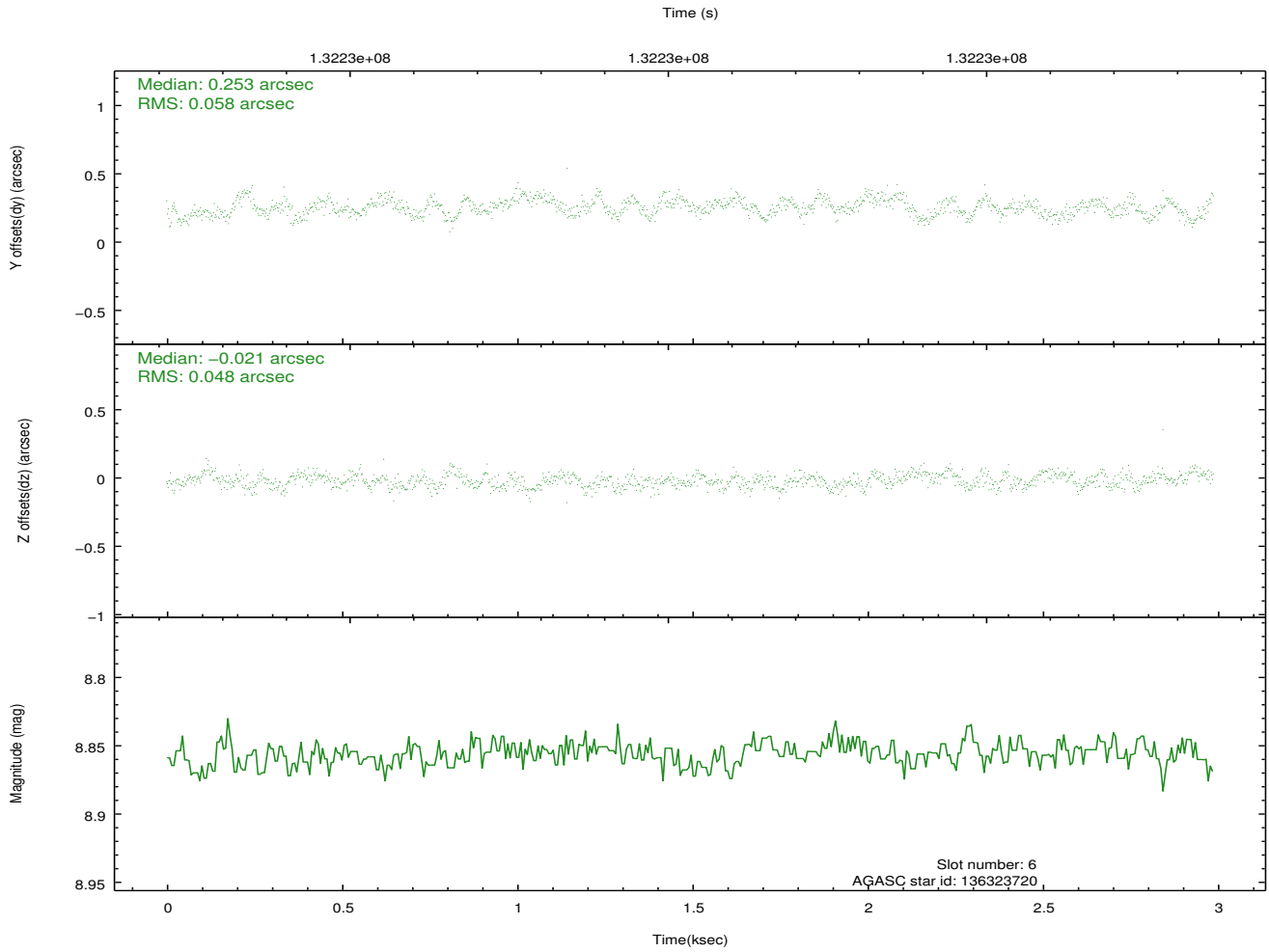
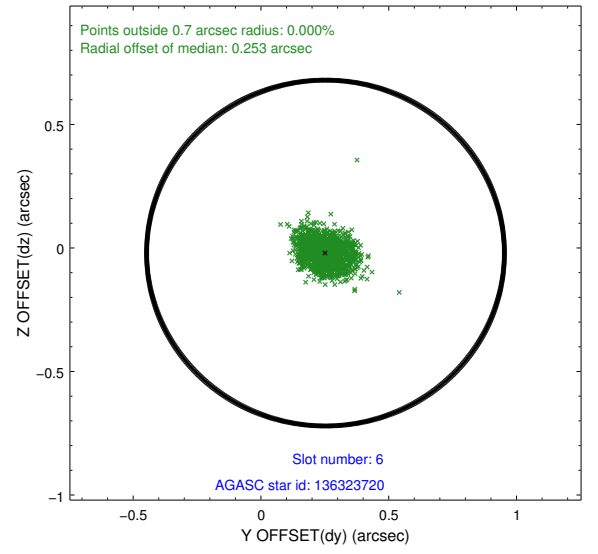
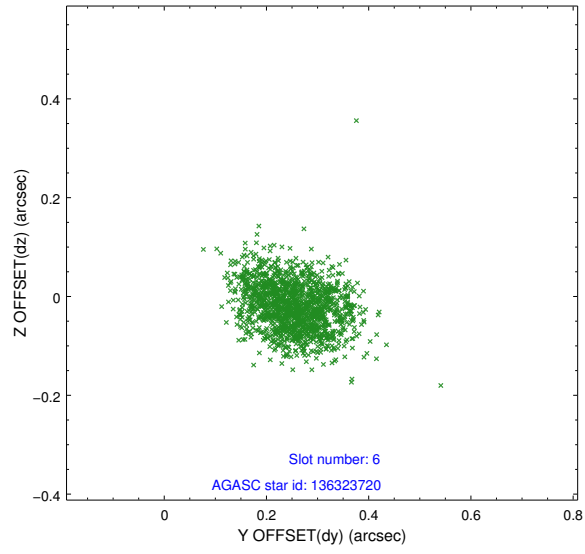
2.4.2 Slot 4



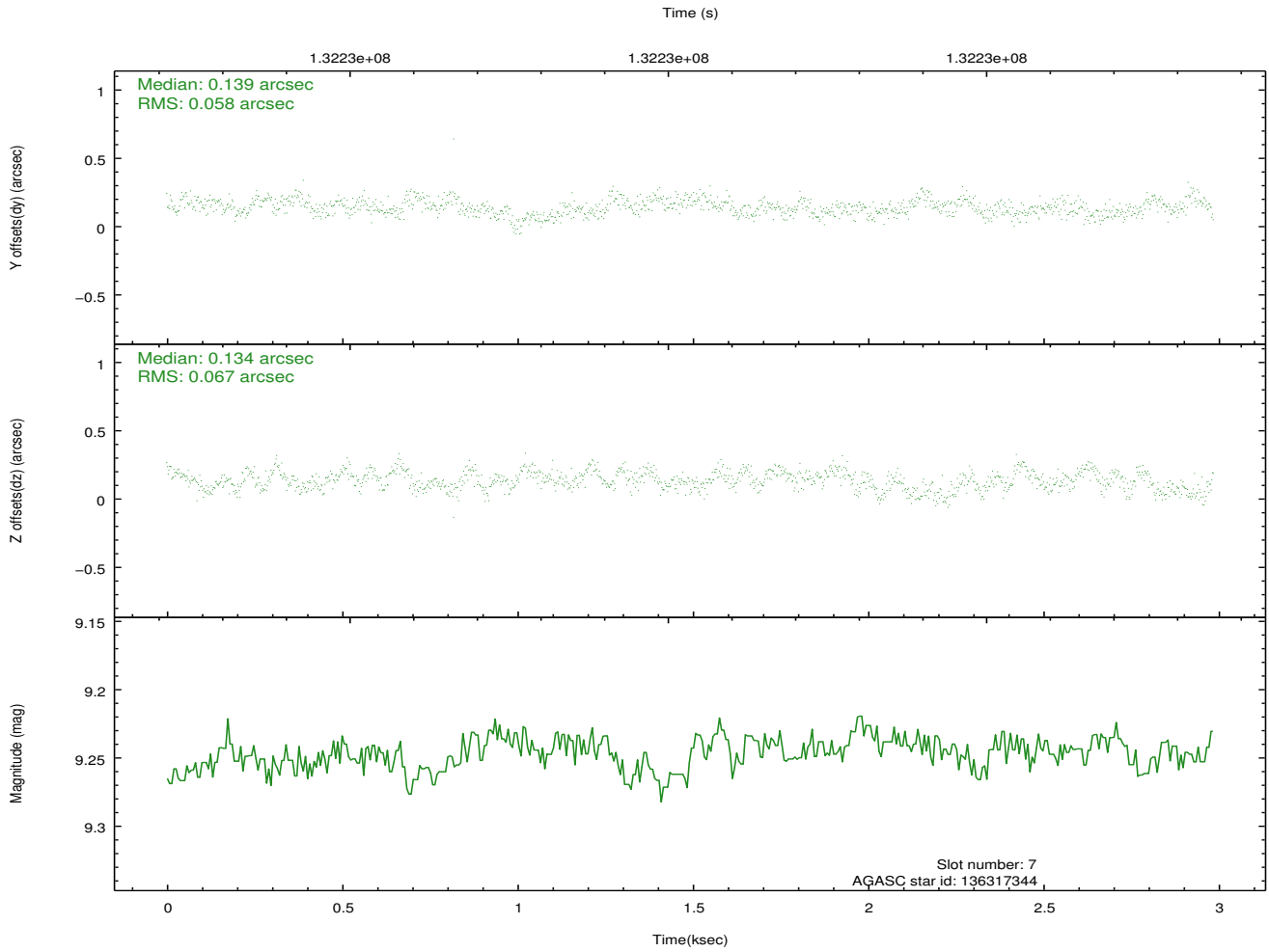
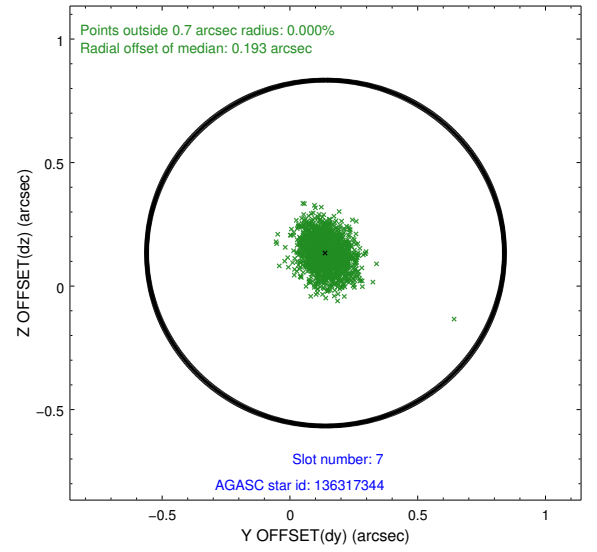
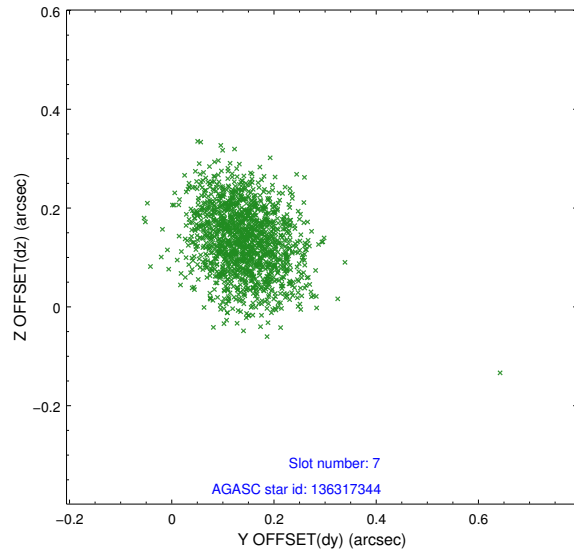
2.4.3 Slot 5



2.4.4 Slot 6

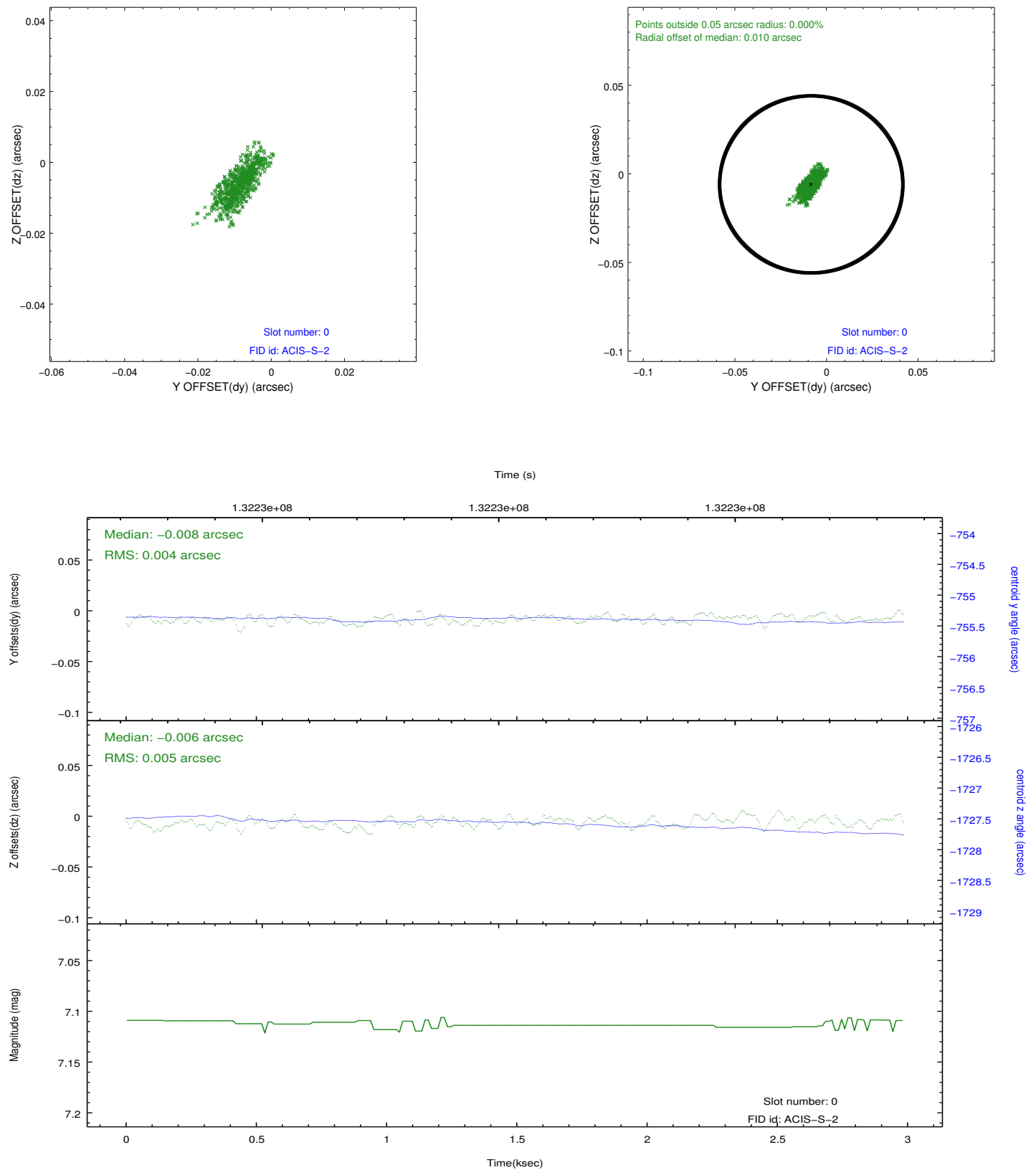


2.4.5 Slot 7

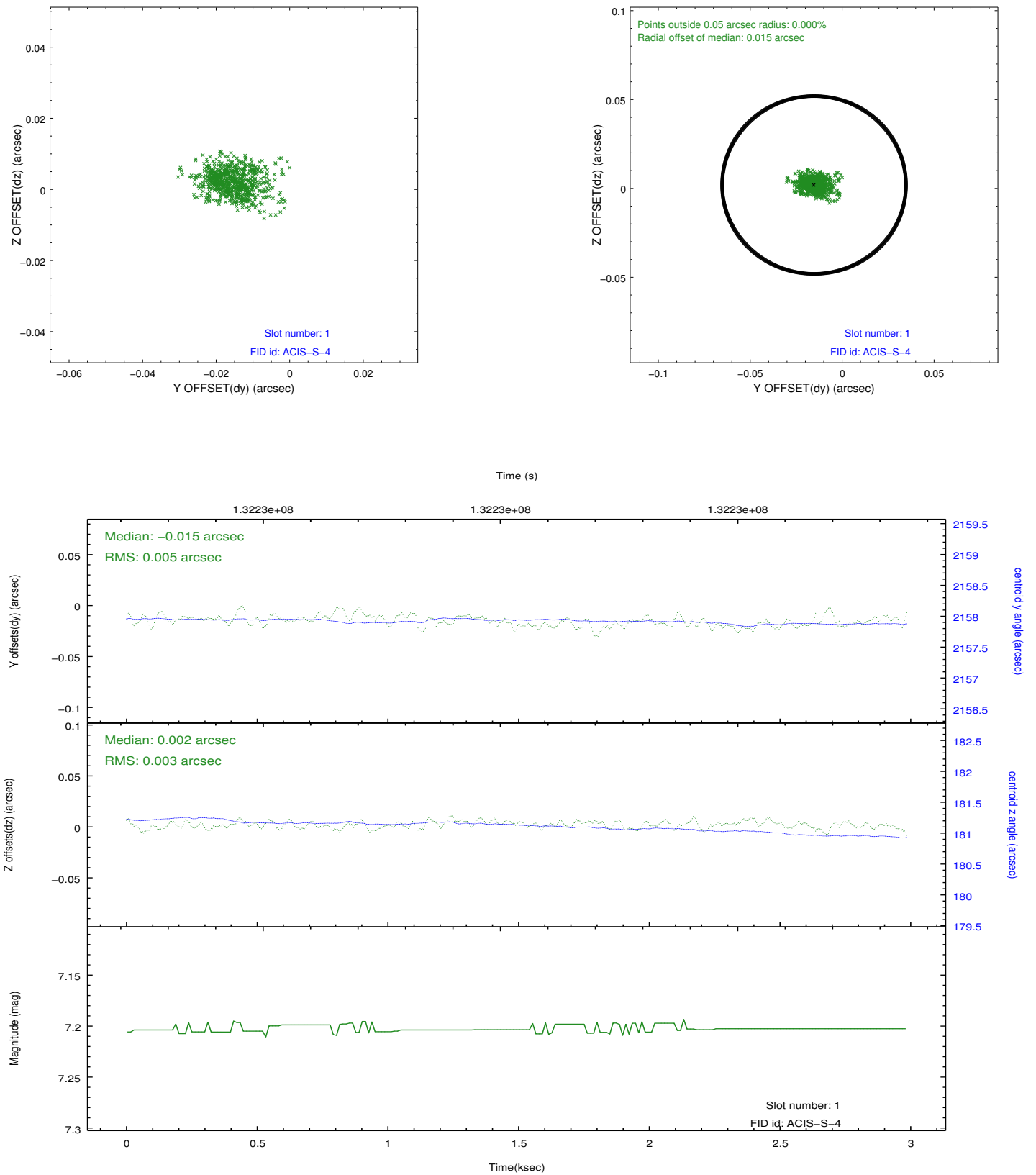


2.5 FID Slots

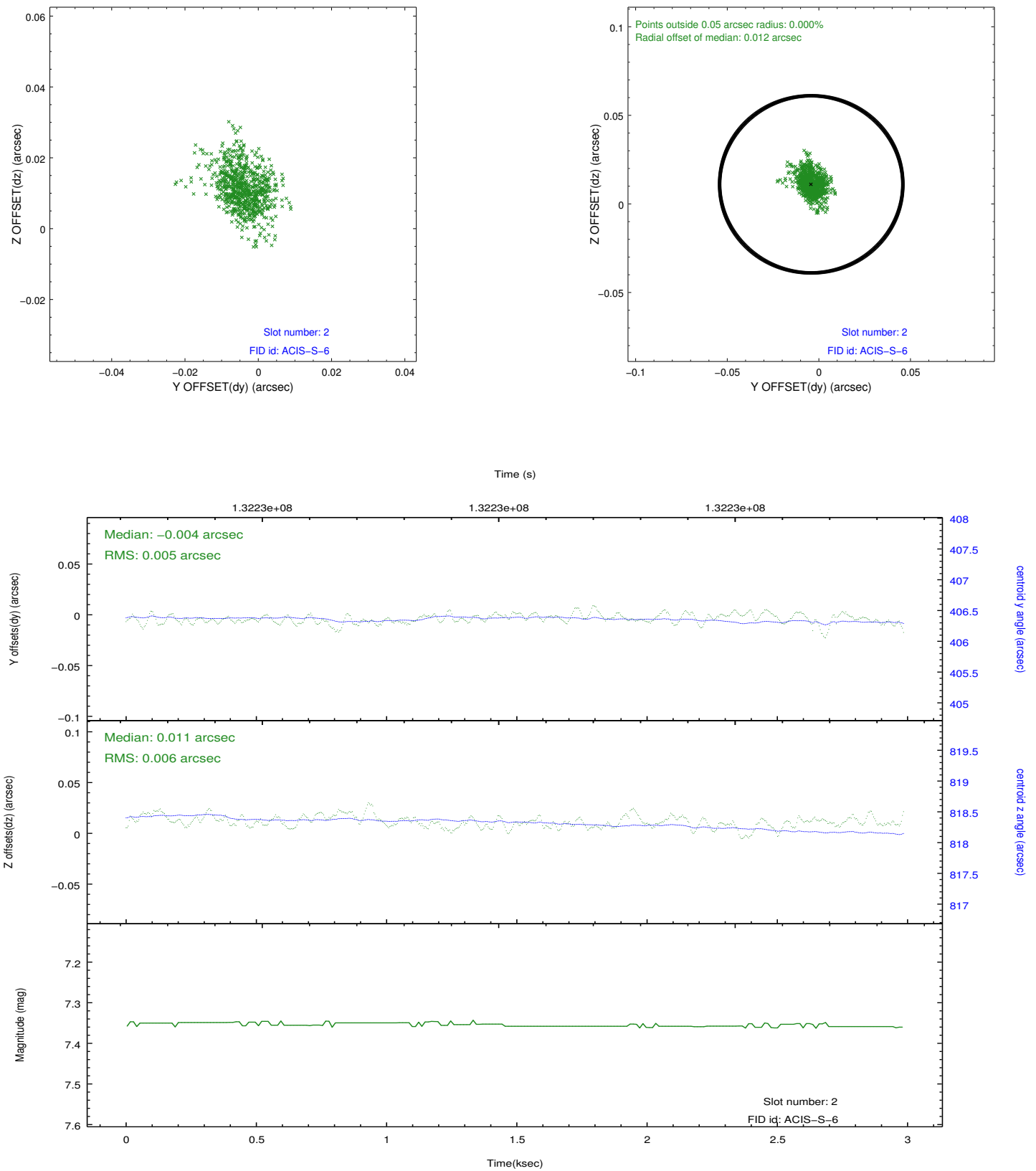
2.5.1 Slot 0



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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.662

A.2 Comments