

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3026 - L2 Version 3
Chandra X-Ray Center

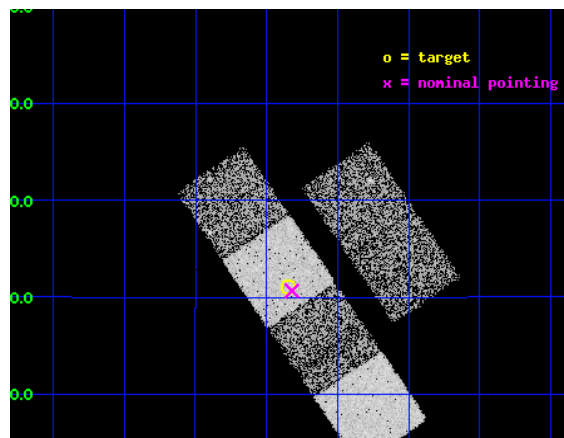
L2 Processing Date : Oct 10 2012

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

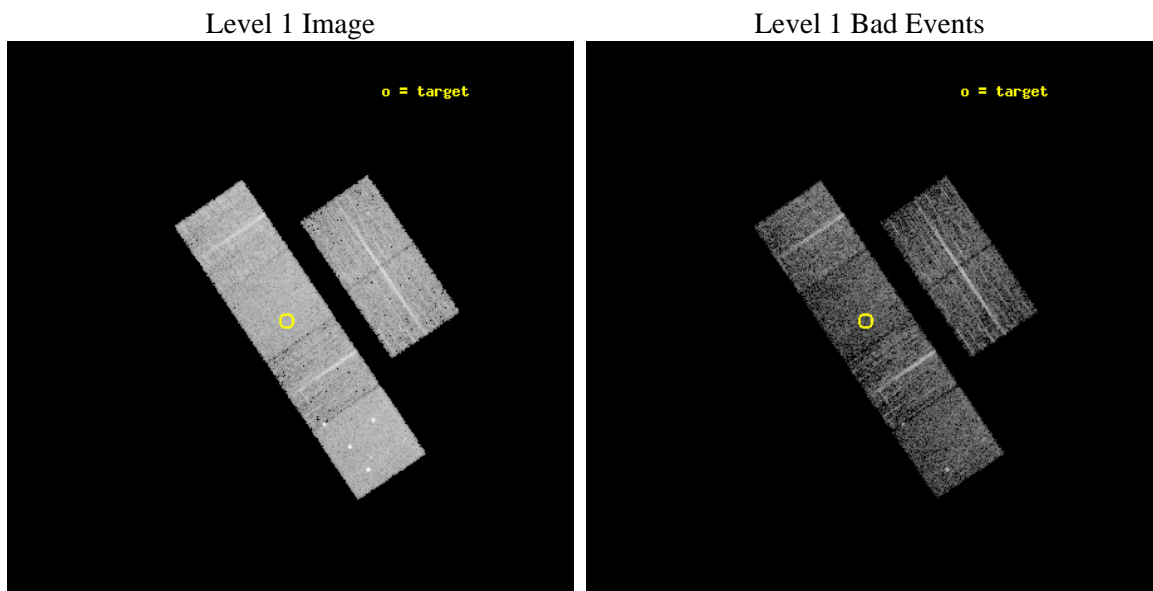
seq_num	700465	Sequence number
obs_id	3026	Observation id
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS	Propos
observer	Dr Robert Priddey	Principal investigator
object	BR1600+0724	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	240.837125	Observer's specified target RA [deg]
dec_targ	7.351278	Observer's specified target Dec [deg]
ra_nom	240.8303315312	Nominal RA [deg]
dec_nom	7.3443313460474	Nominal Dec [deg]
roll_nom	235.79859633629	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4603.8080304265	Sum of GTIs [s]
livetime	4545.5118410649	Livetime [s]
ontime2	4603.8490704298	Sum of GTIs [s]
ontime3	4603.6849104166	Sum of GTIs [s]
ontime5	4603.7669904232	Sum of GTIs [s]
ontime6	4603.7259504199	Sum of GTIs [s]
ontime7	4603.8080304265	Sum of GTIs [s]
ontime8	4600.4027805924	Sum of GTIs [s]
l2events	51976	Number of level 2 events



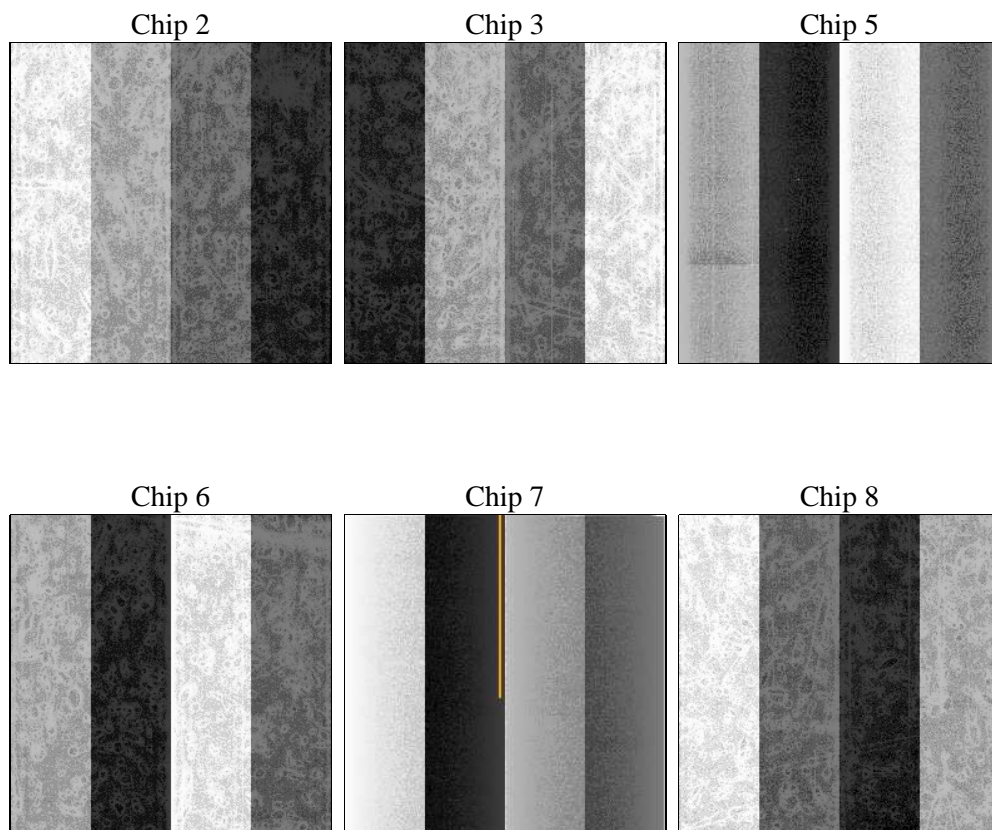
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	4850.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4603.8080304265	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4603.8490704298	Sum of GTIs [s]
date	2012-10-10T03:57:51	Date and time of file creation	ontime3	4603.6849104166	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4603.7669904232	Sum of GTIs [s]
			ontime6	4603.7259504199	Sum of GTIs [s]
			ontime7	4603.8080304265	Sum of GTIs [s]
			ontime8	4600.4027805924	Sum of GTIs [s]
			l1events	235302	Number of level 1 events

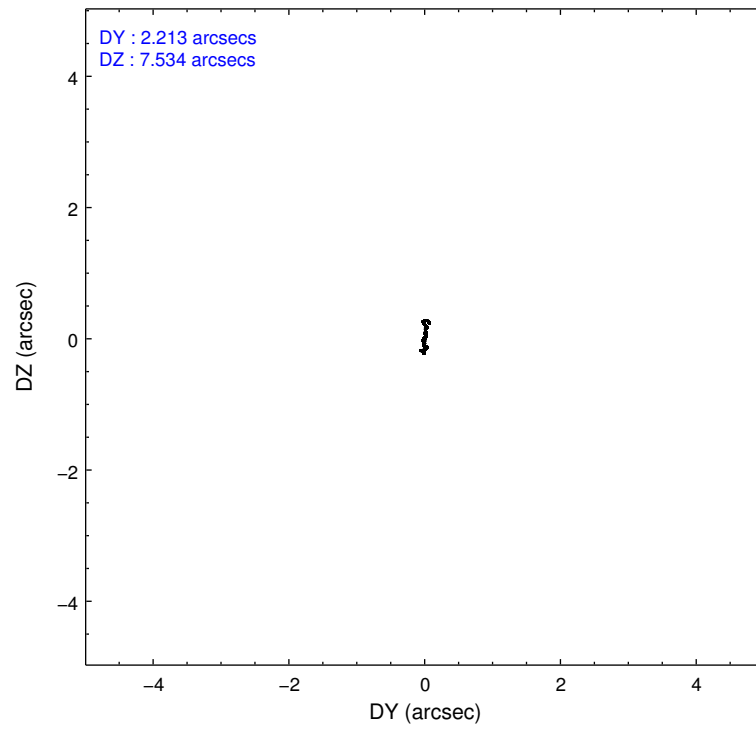
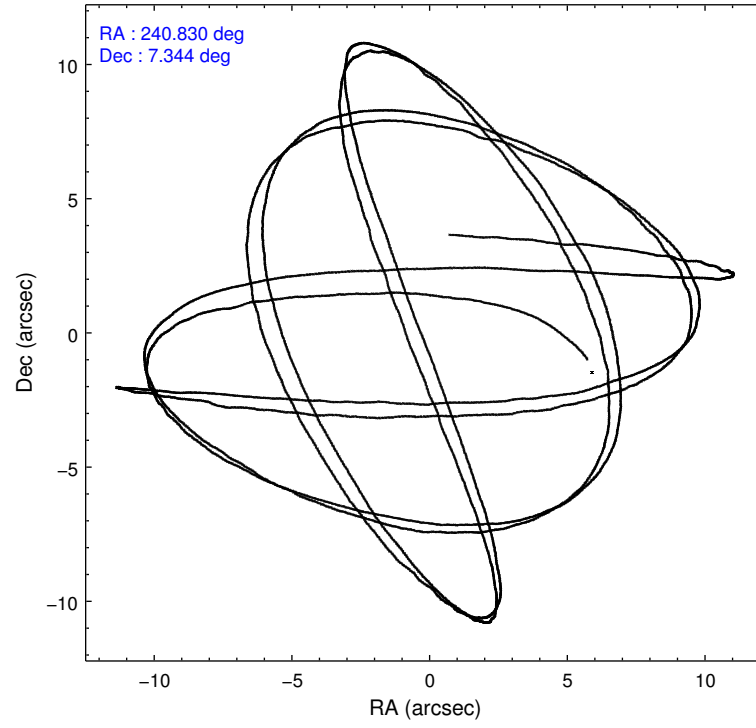
2.1.4 Events

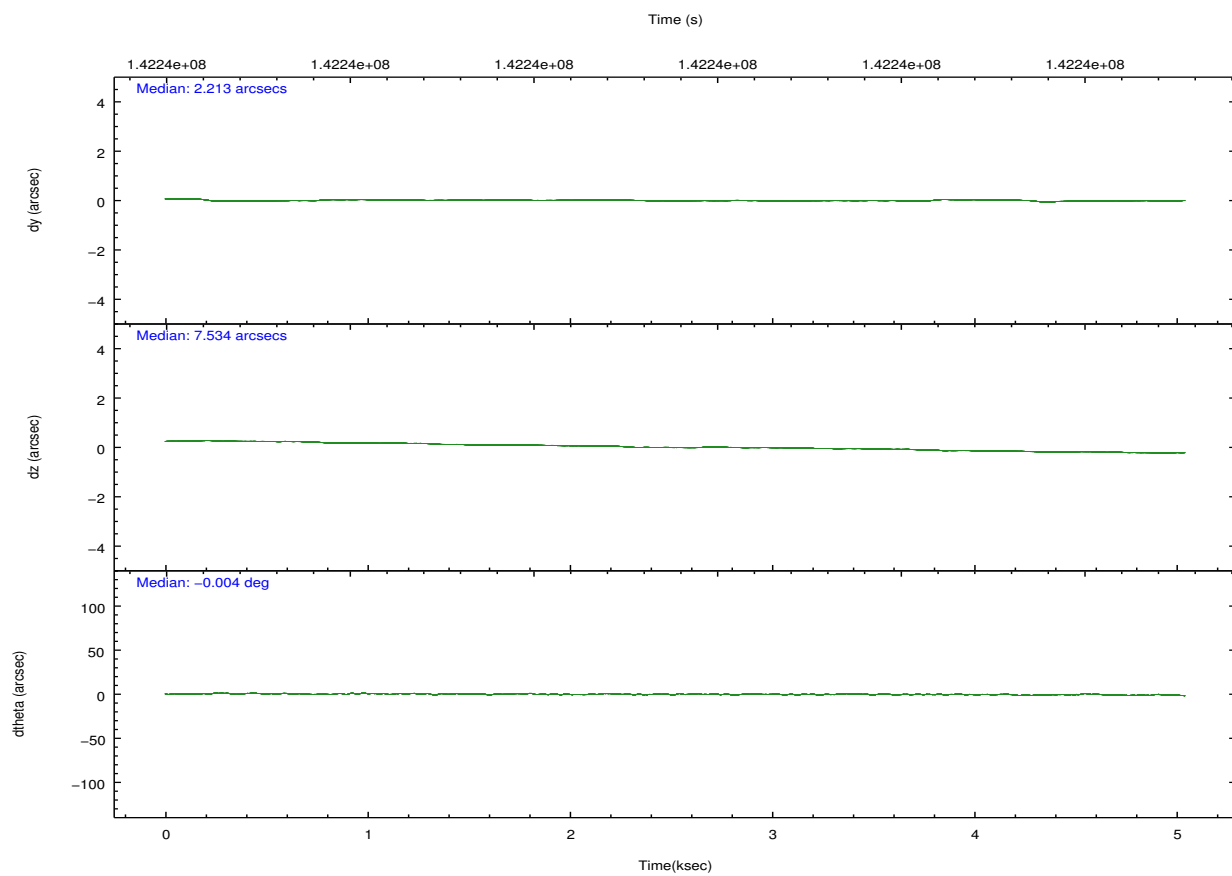
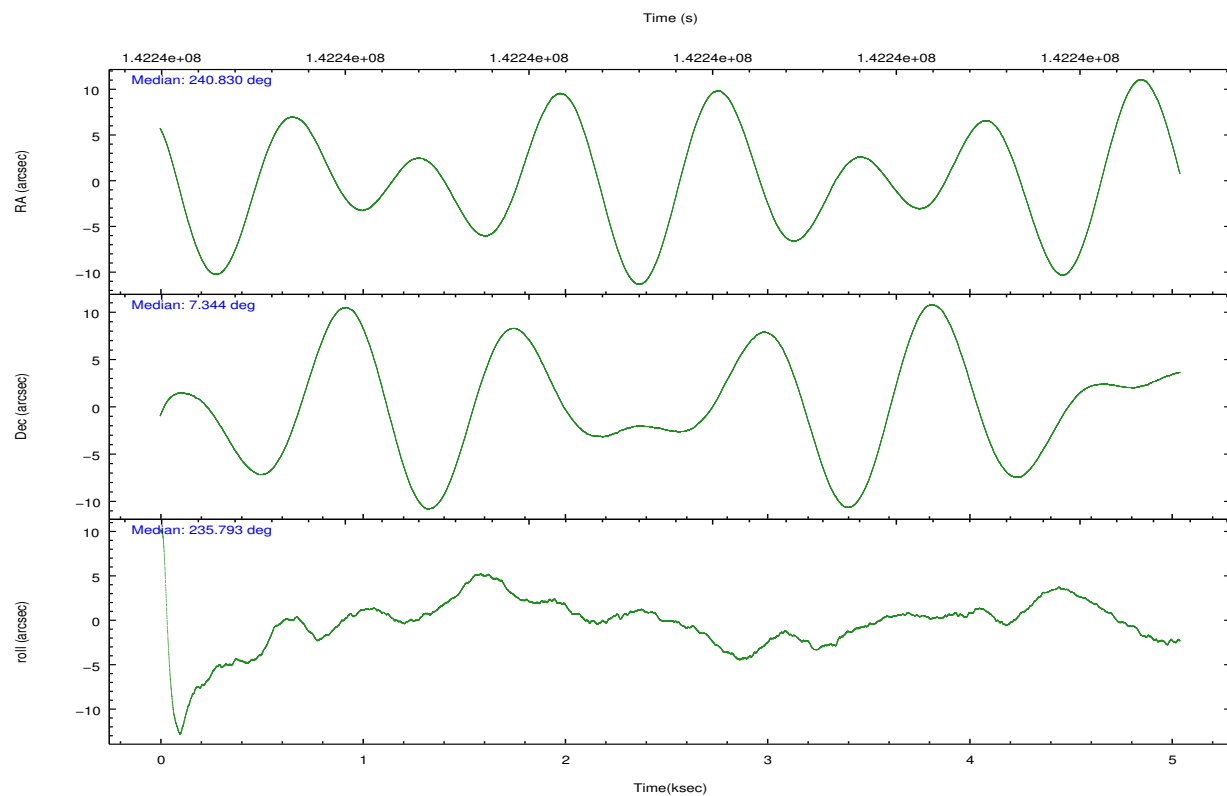
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33406	33172	47455	33005	41493	46771	grade 0 events	1888	1775	3348	1830	1869	3891
rejected events	29190	29087	24770	28777	23925	35301		5%	5%	7%	5%	4%	8%
rejected %	87%	87%	52%	87%	57%	75%	grade 1 events	17	13	109	23	39	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	907	912	6557	938	3467	2220
								2%	2%	13%	2%	8%	4%
							grade 3 events	320	343	967	375	1592	1465
								0%	1%	2%	1%	3%	3%
							grade 4 events	365	338	989	328	1589	1281
								1%	1%	2%	0%	3%	2%
							grade 5 events	1093	1259	3453	1408	3999	1733
								3%	3%	7%	4%	9%	3%
							grade 6 events	738	720	10864	766	9070	2617
								2%	2%	22%	2%	21%	5%
							grade 7 events	28078	27812	21168	27337	19868	33522
								84%	83%	44%	82%	47%	71%

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	240.831956	240.8303315312048	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.371539	7.344331346047416	Alternating exposures requested	N	N
[deg] Pointing Roll	235.641689	235.7985963362929	[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)	142239437.184000	142238599.67413			
Observation start date	2002-07-05T06:56:13	2002-07-05T06:43:19			
[s] Observation end time (MET)	142244287.184000	142244882.41189			
Observation end date	2002-07-05T08:17:03	2002-07-05T08:28:02			
Read mode	TIMED	TIMED			

2.3 Aspect



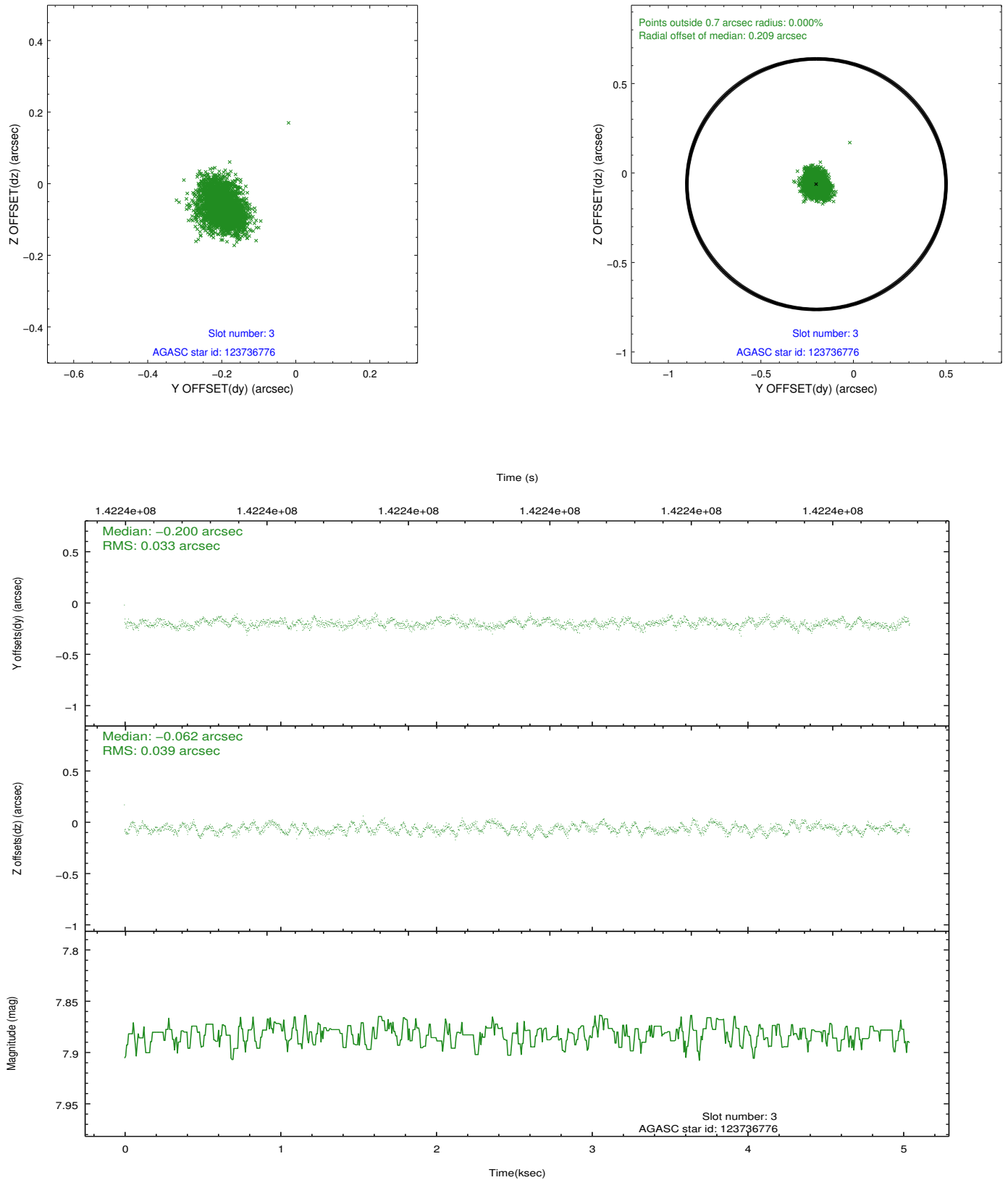


Slot Statistics

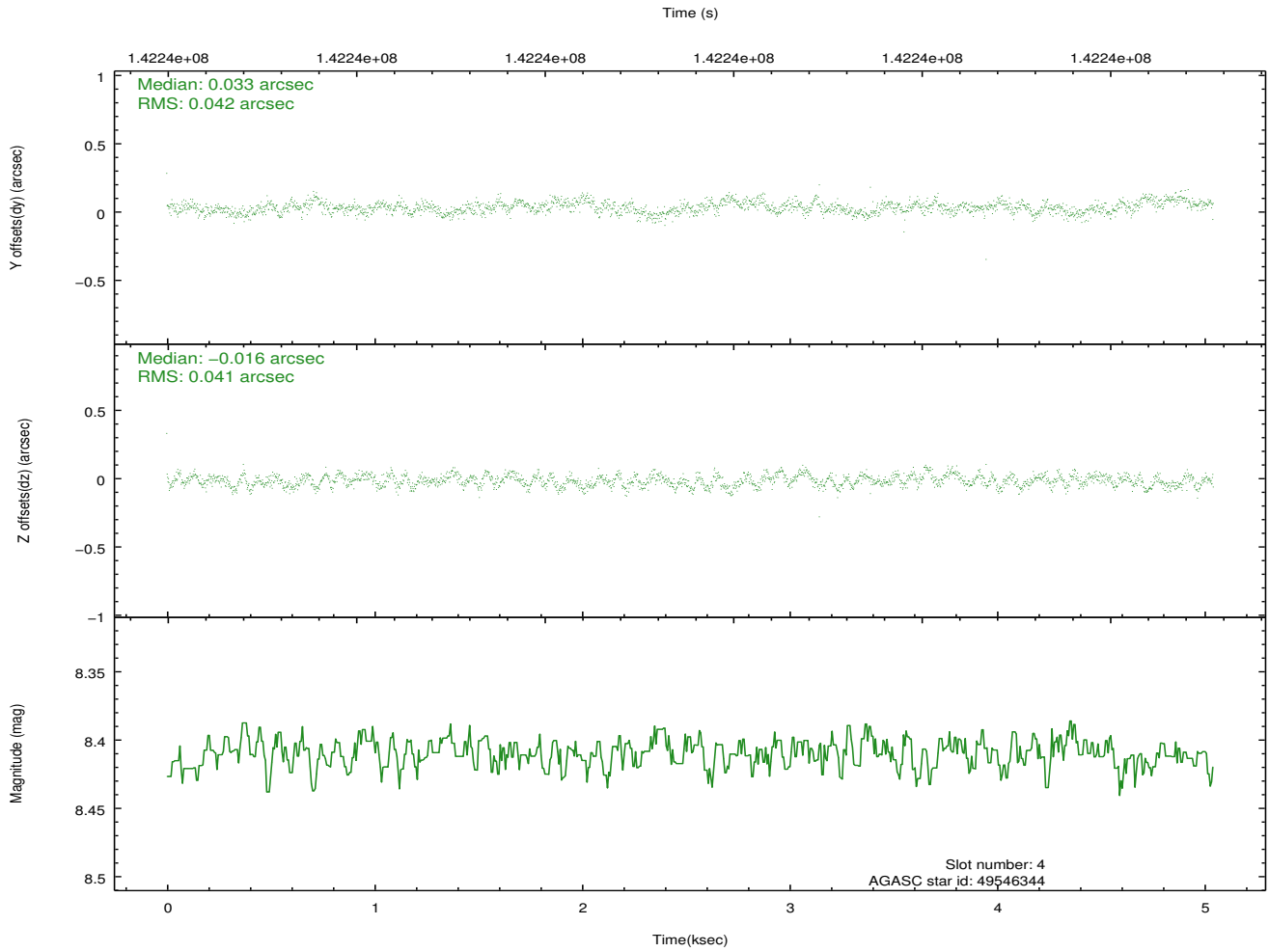
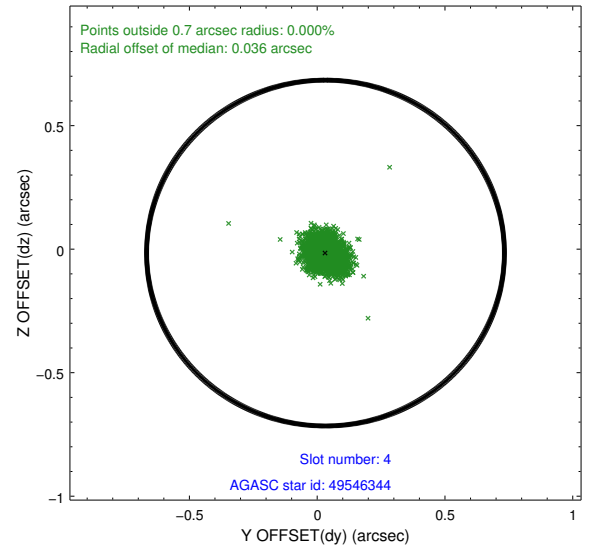
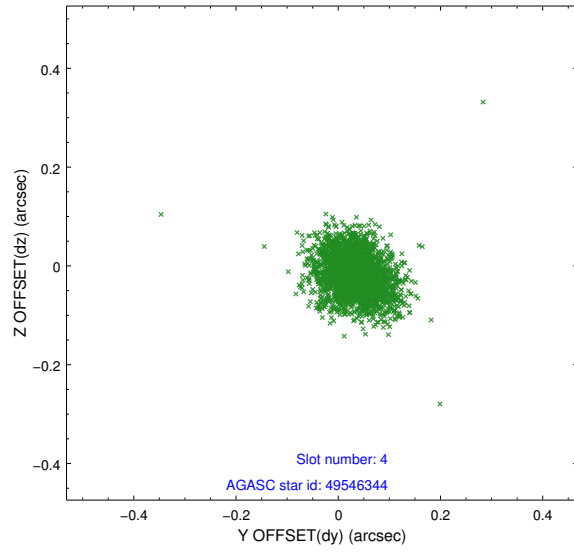
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1230	-0.019	-0.004	0.007	0.012	0.000000	0.000000	-754.86	-1728.68
1	FID	ACIS-S-4	7.20	1230	-0.023	0.010	0.006	0.011	0.000000	0.000000	2157.87	178.56
2	FID	ACIS-S-5	7.24	1230	0.011	0.002	0.007	0.011	0.000000	0.000000	-1806.11	173.61
3	GUIDE	123736776	7.88	2460	-0.200	-0.062	0.055	0.086	241.130578	7.656910	-1449.71	299.91
4	GUIDE	49546344	8.41	2460	0.033	-0.016	0.060	0.099	240.870286	6.951312	1171.19	967.68
5	GUIDE	49547048	8.37	2460	0.009	0.041	0.070	0.112	241.066082	7.374225	-479.11	685.42
6	GUIDE	49551072	9.02	2459	0.093	-0.016	0.069	0.114	240.539891	7.224939	1024.32	-562.50
7	GUIDE	49547944	9.42	2457	0.063	0.049	0.115	0.188	241.211713	7.223224	-324.57	1421.04

2.4 Star Slots

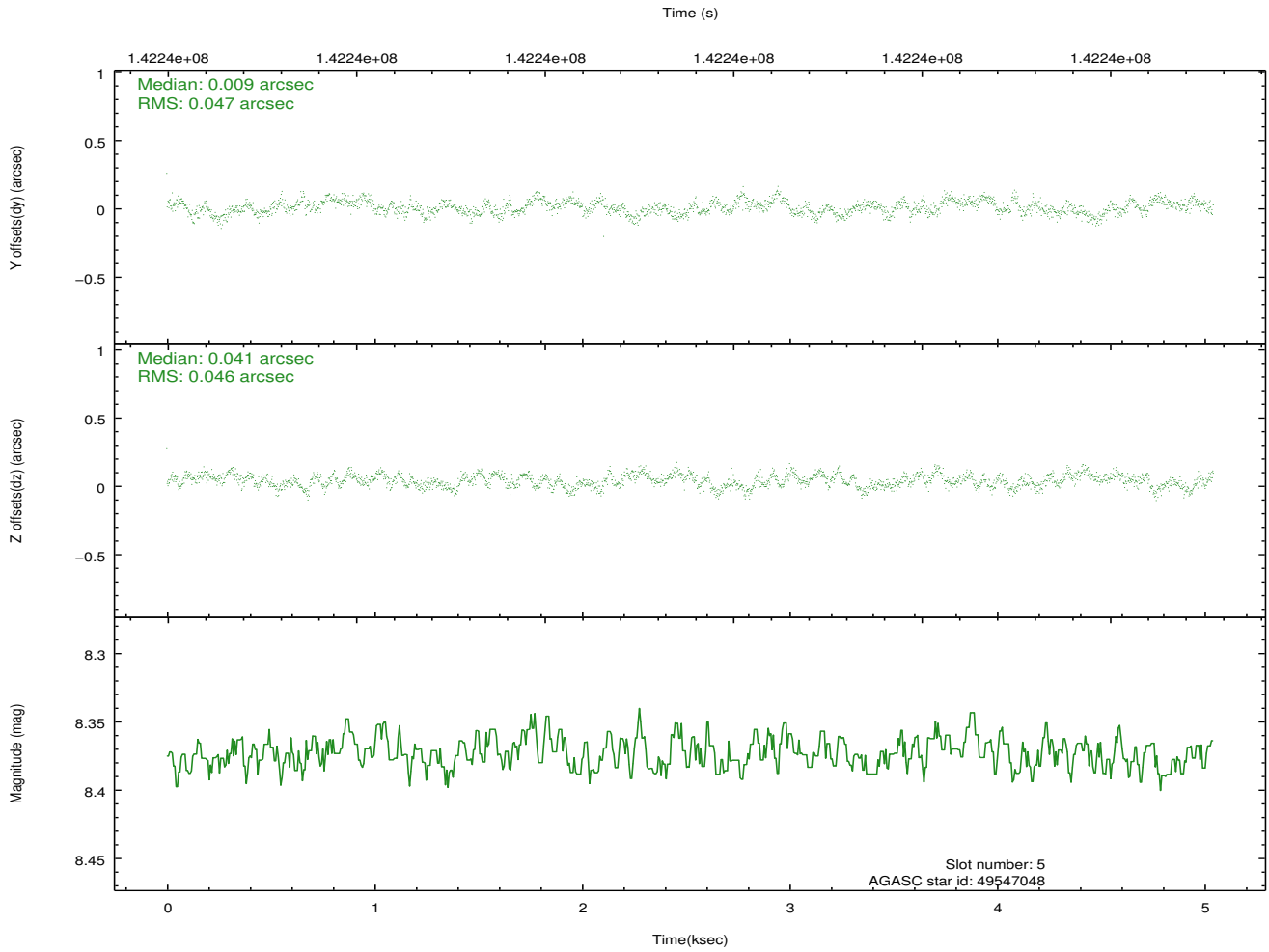
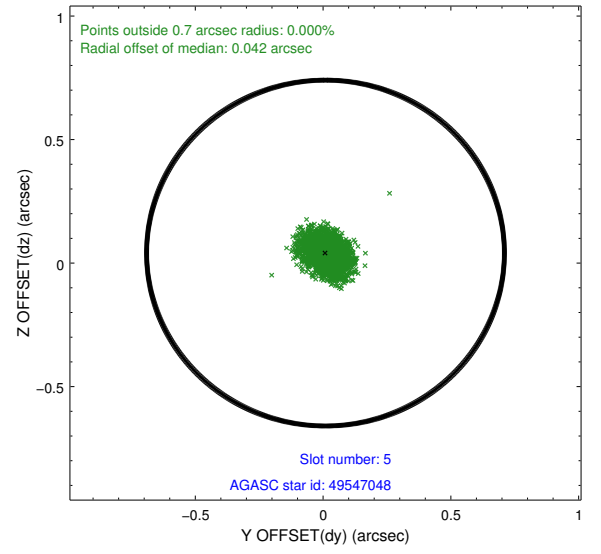
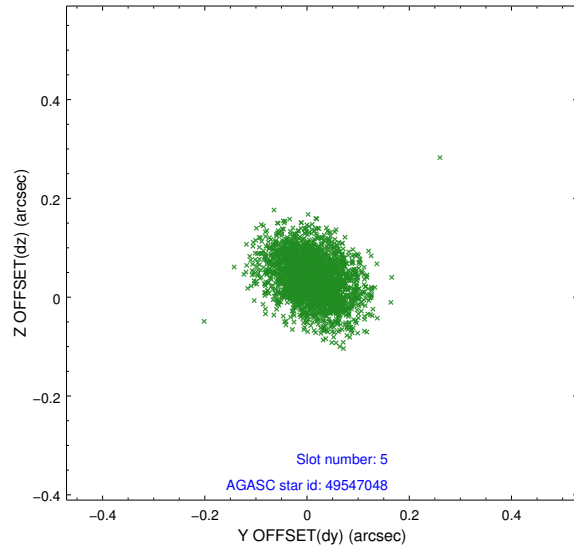
2.4.1 Slot 3



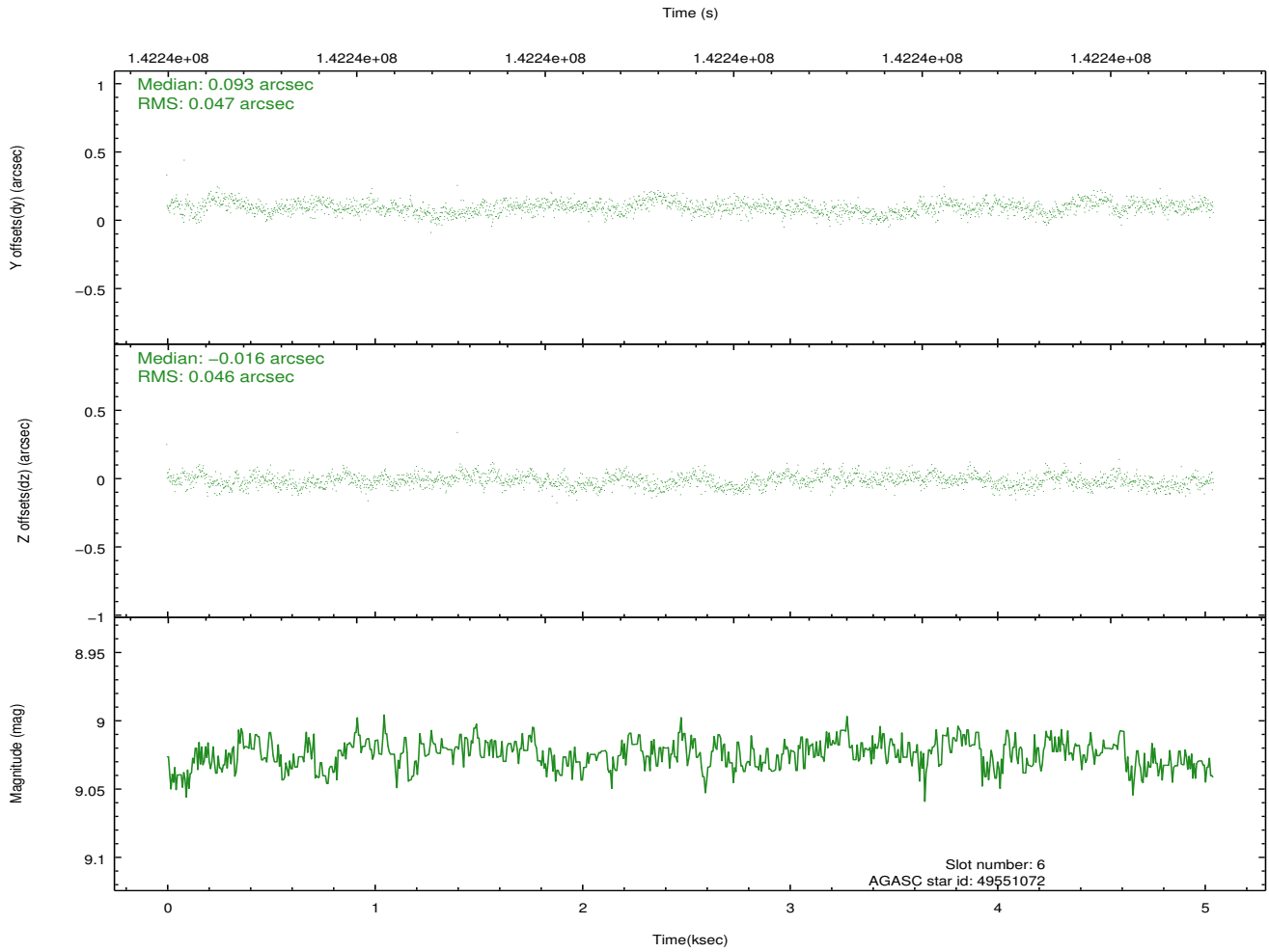
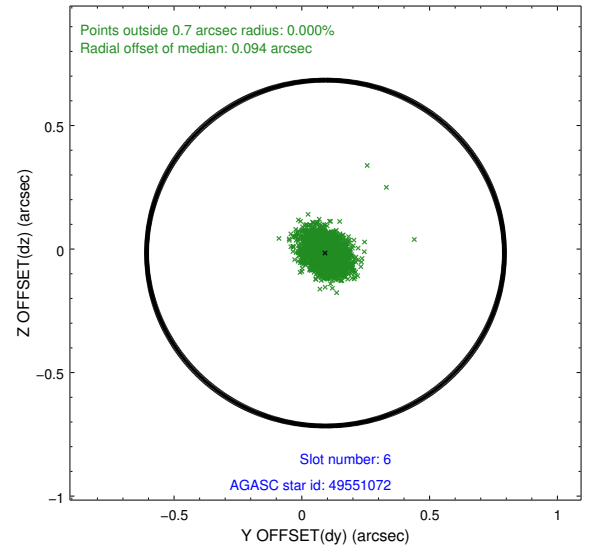
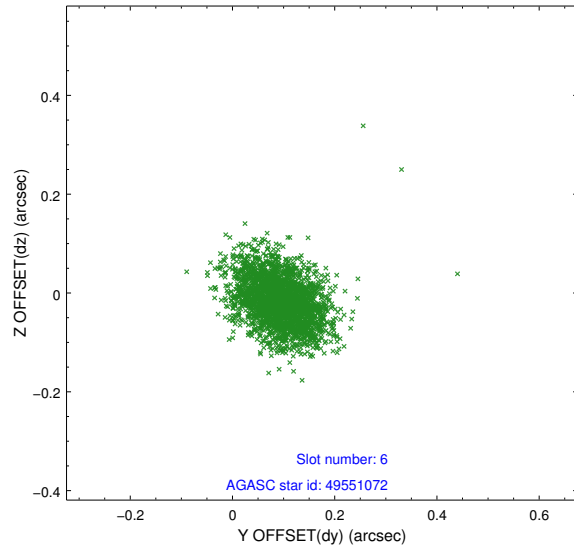
2.4.2 Slot 4



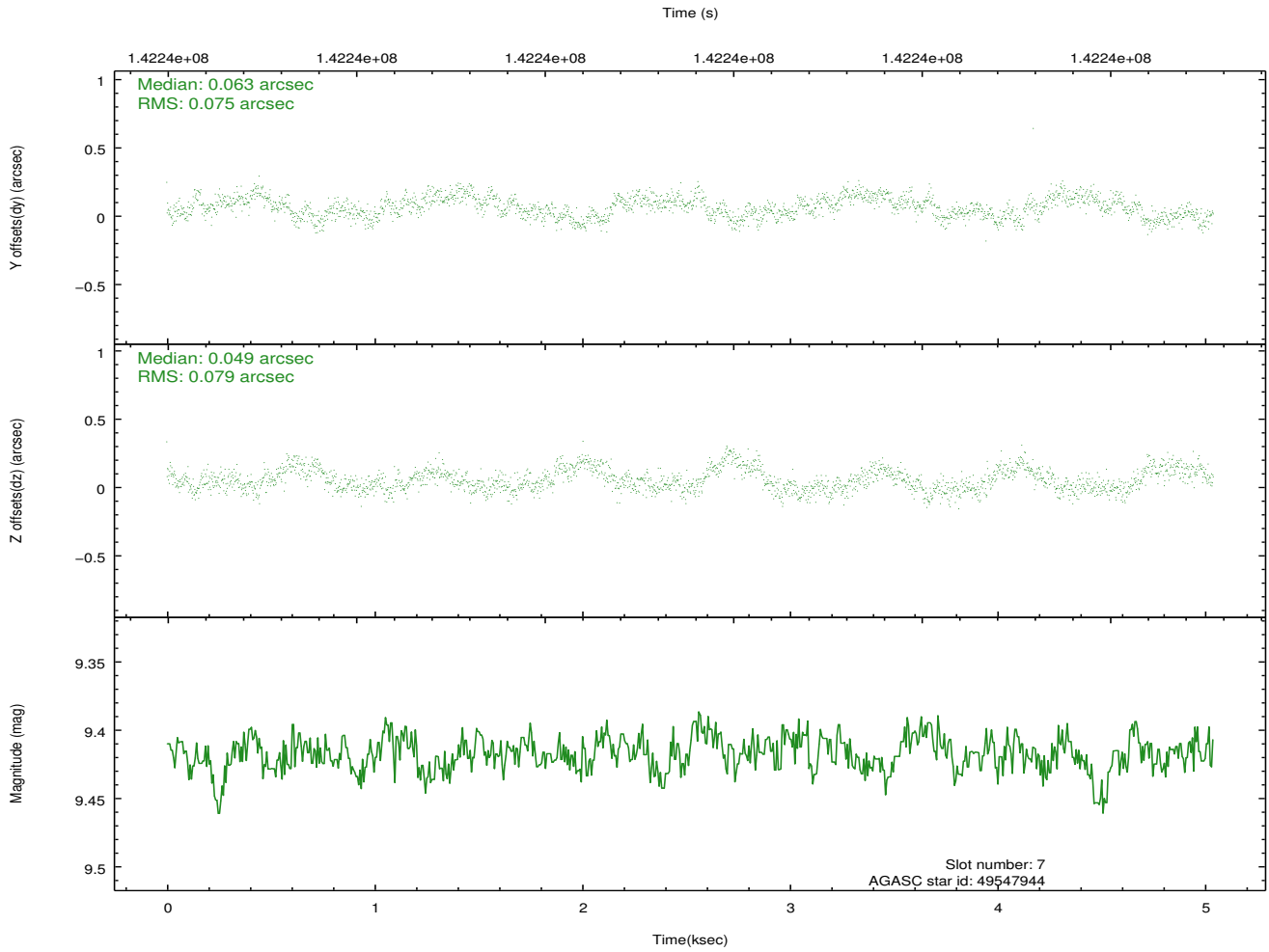
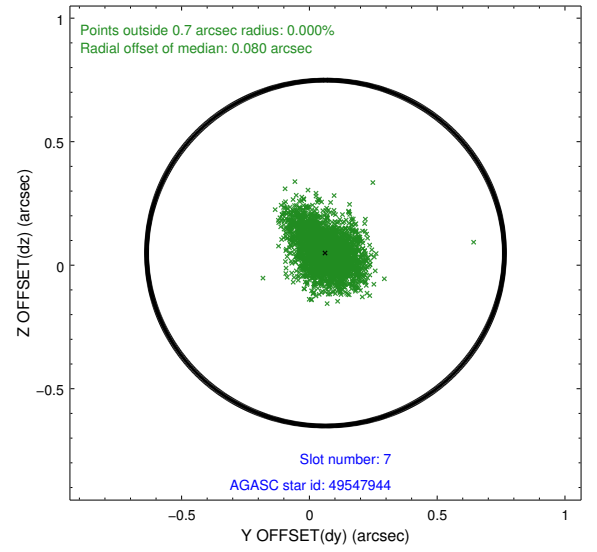
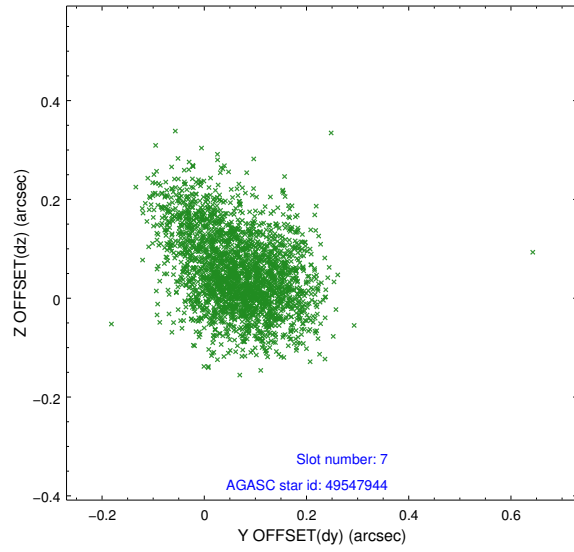
2.4.3 Slot 5



2.4.4 Slot 6

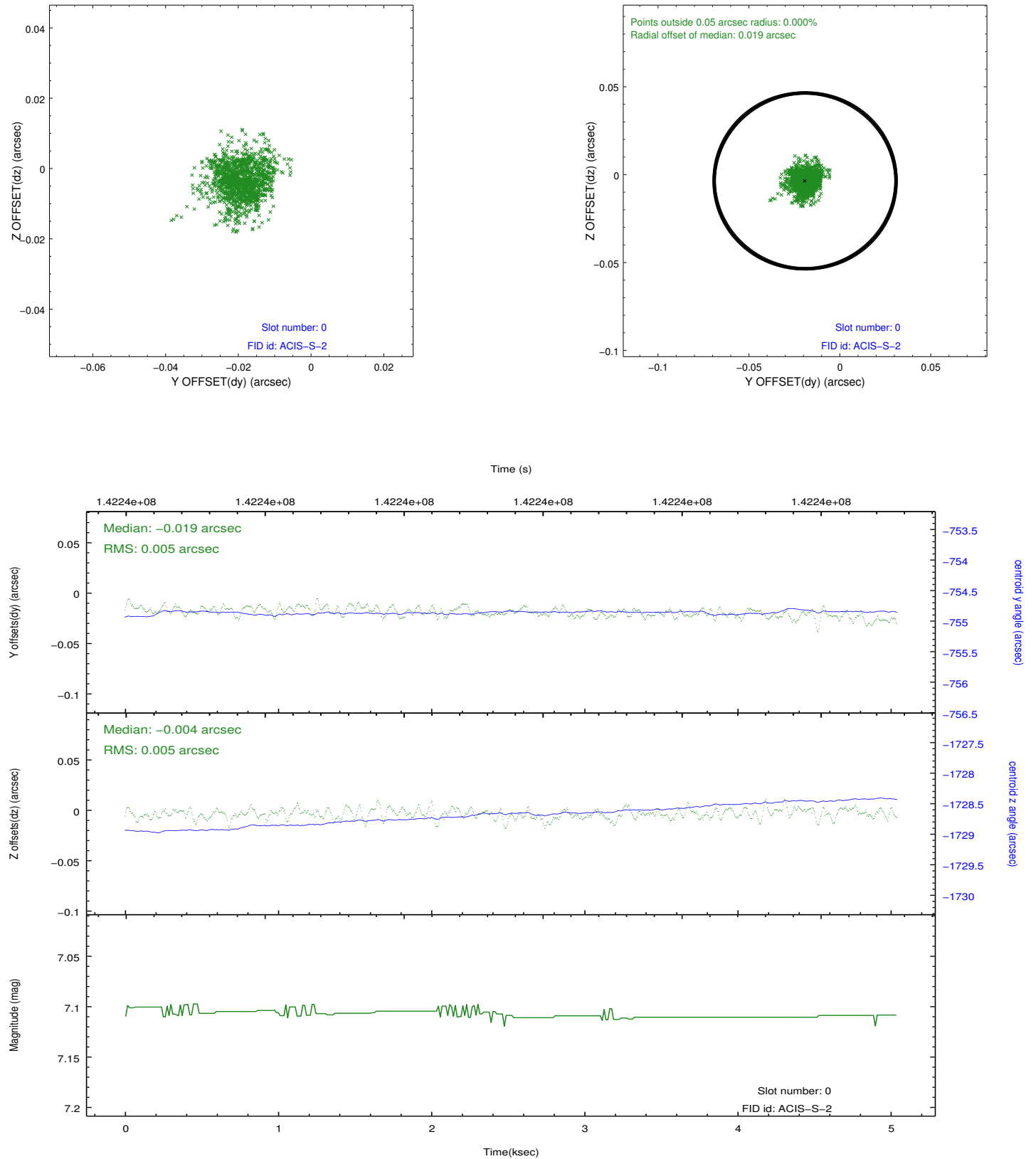


2.4.5 Slot 7

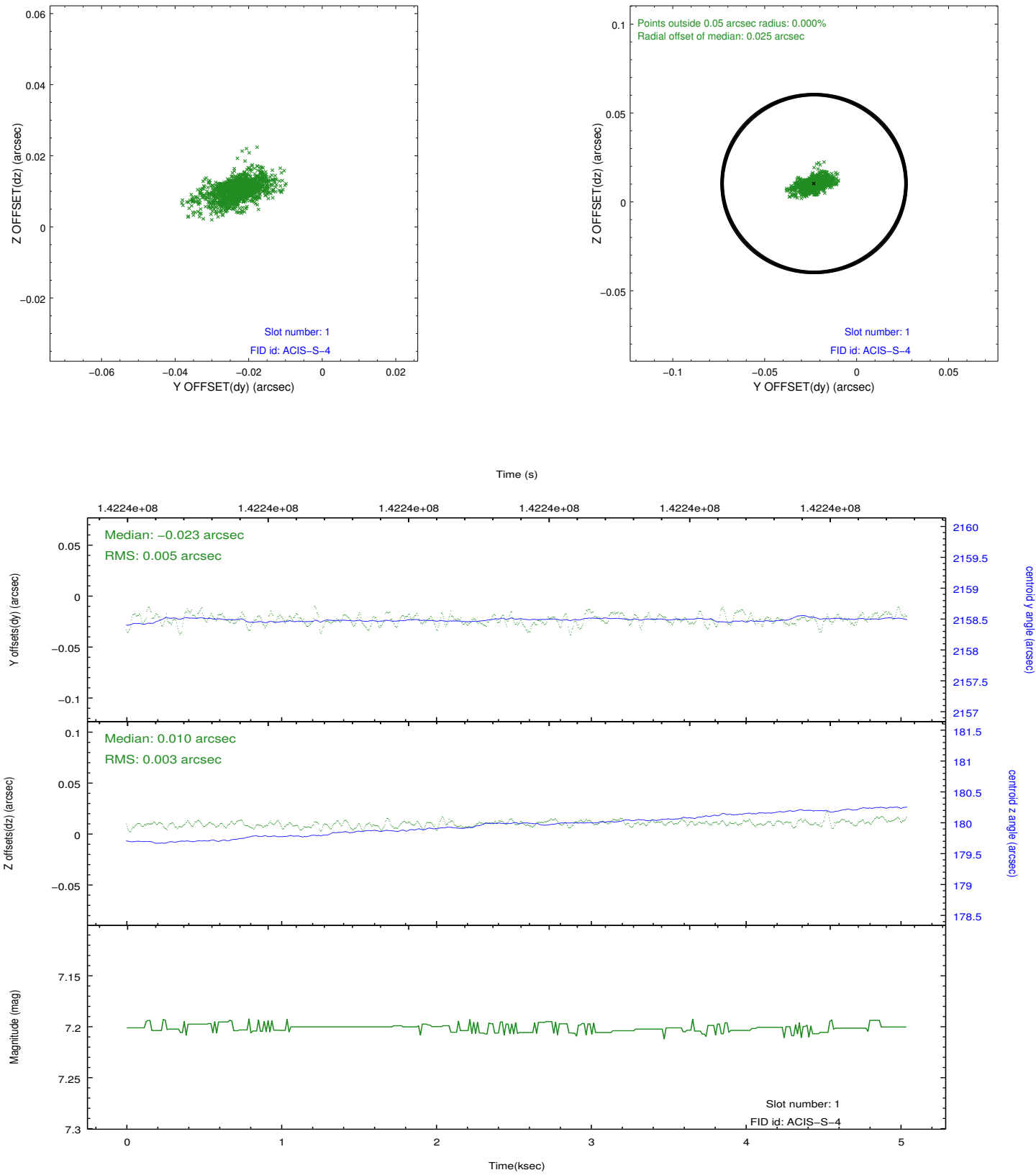


2.5 FID Slots

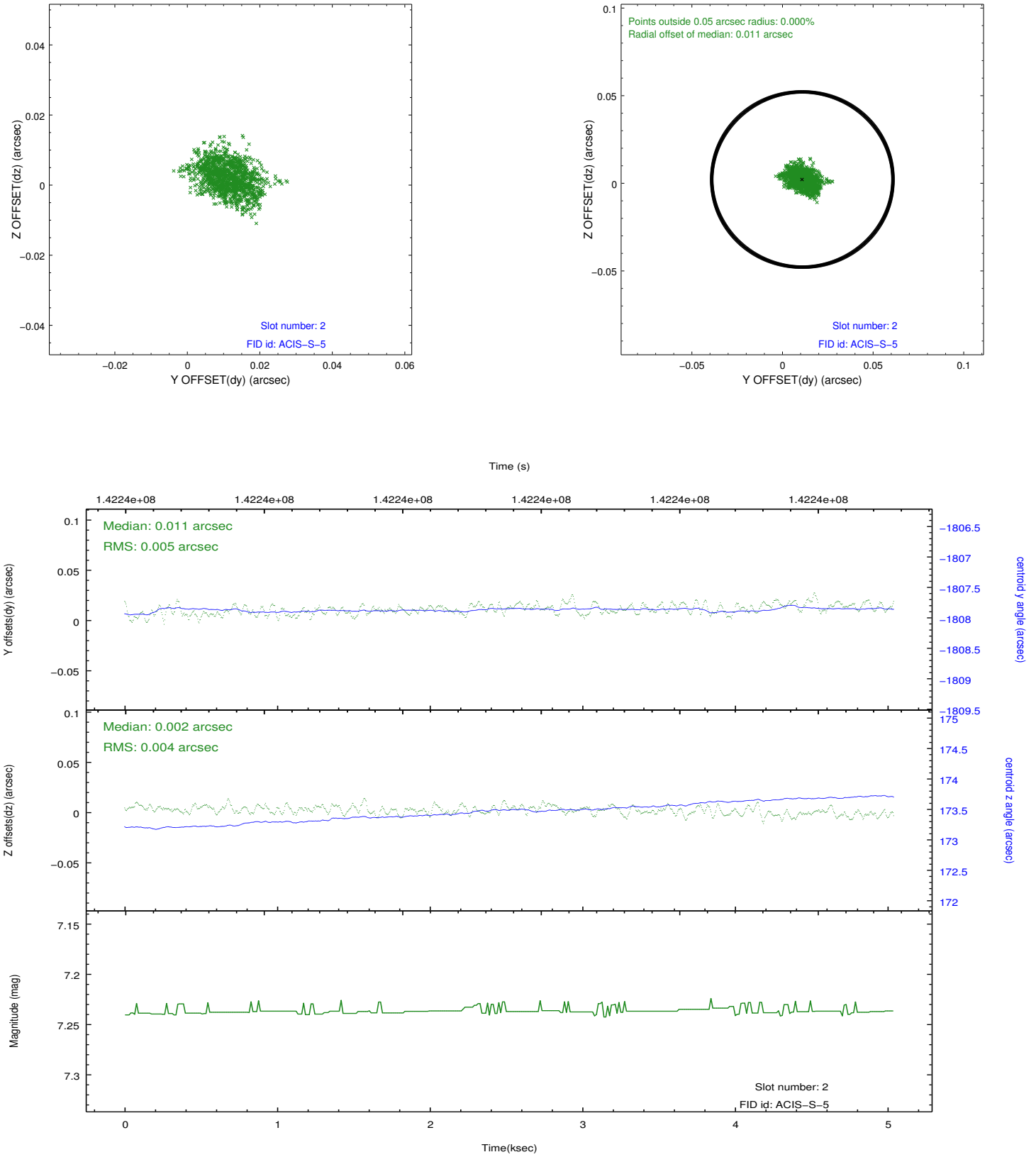
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.604

A.2 Comments