

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2104 - L2 Version 3
Chandra X-Ray Center

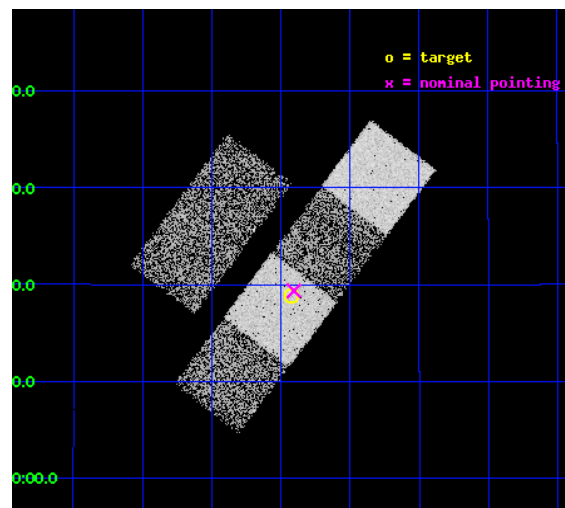
L2 Processing Date : Oct 3 2012

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

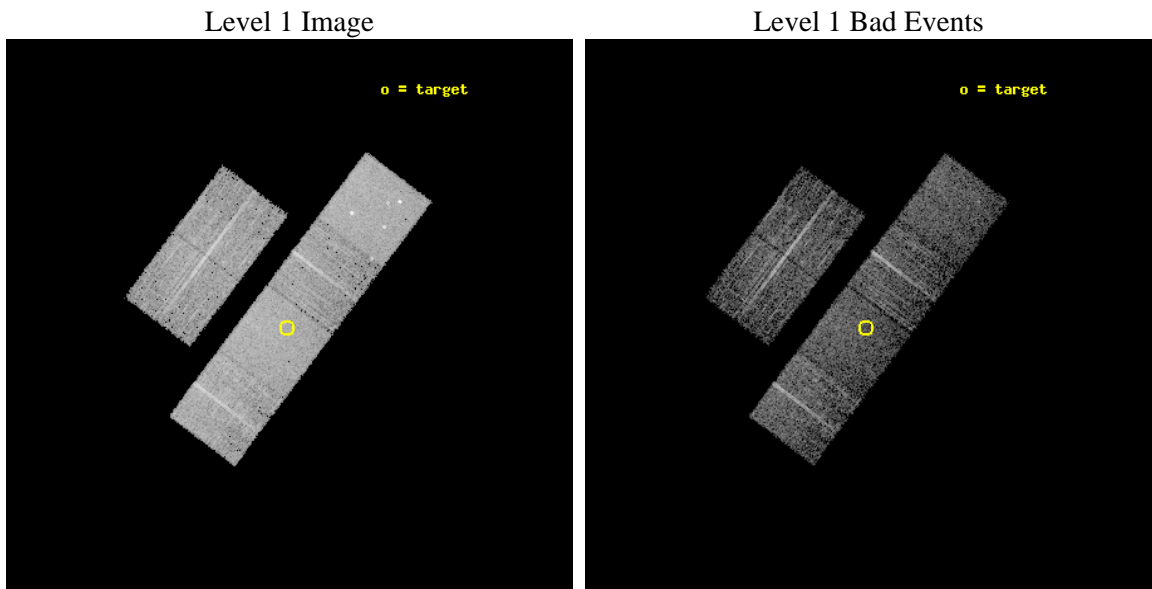
seq_num	700294	Sequence number
obs_id	2104	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOs FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 1208+1535	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.85625	Observer's specified target RA [deg]
dec_targ	15.314139	Observer's specified target Dec [deg]
ra_nom	182.85166970508	Nominal RA [deg]
dec_nom	15.322708441706	Nominal Dec [deg]
roll_nom	127.0192994531	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4958.6800023615	Sum of GTIs [s]
livetime	4895.890210413	Livetime [s]
ontime2	4958.7210423648	Sum of GTIs [s]
ontime3	4958.5568823665	Sum of GTIs [s]
ontime5	4958.6389623582	Sum of GTIs [s]
ontime6	4955.3569421172	Sum of GTIs [s]
ontime7	4958.6800023615	Sum of GTIs [s]
ontime8	4958.5158423632	Sum of GTIs [s]
l2events	51764	Number of level 2 events



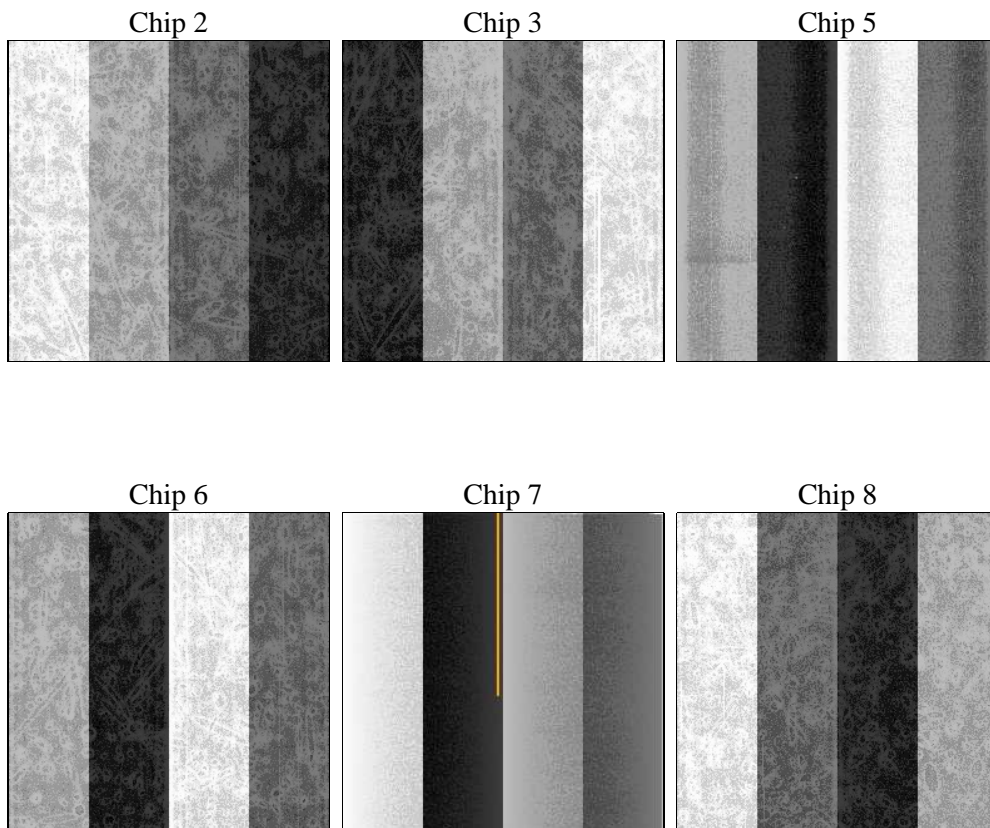
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	4	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4958.6800023615	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4958.7210423648	Sum of GTIs [s]
date	2012-10-03T03:37:06	Date and time of file creation	ontime3	4958.5568823665	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4958.6389623582	Sum of GTIs [s]
			ontime6	4955.3569421172	Sum of GTIs [s]
			ontime7	4958.6800023615	Sum of GTIs [s]
			ontime8	4958.5158423632	Sum of GTIs [s]
			l1events	236908	Number of level 1 events

2.1.4 Events

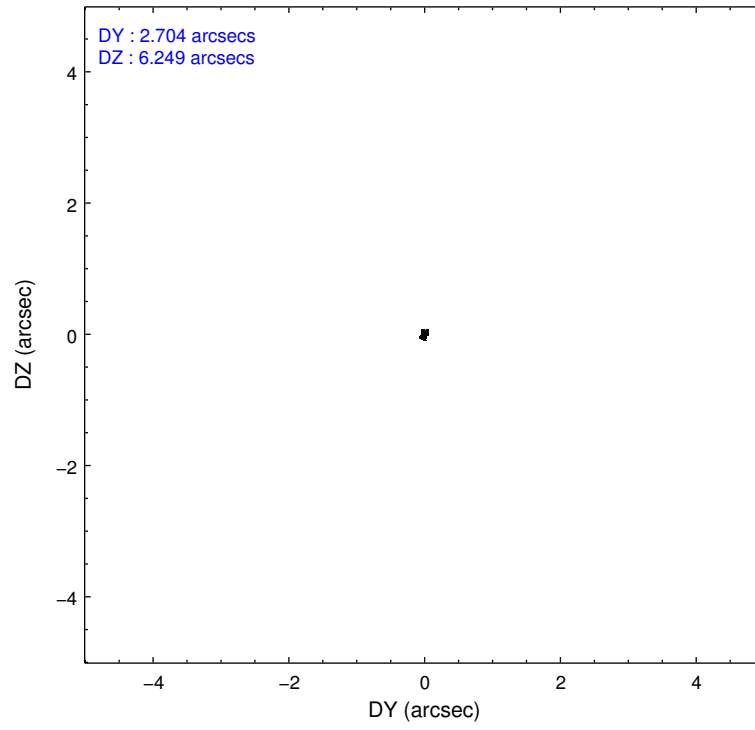
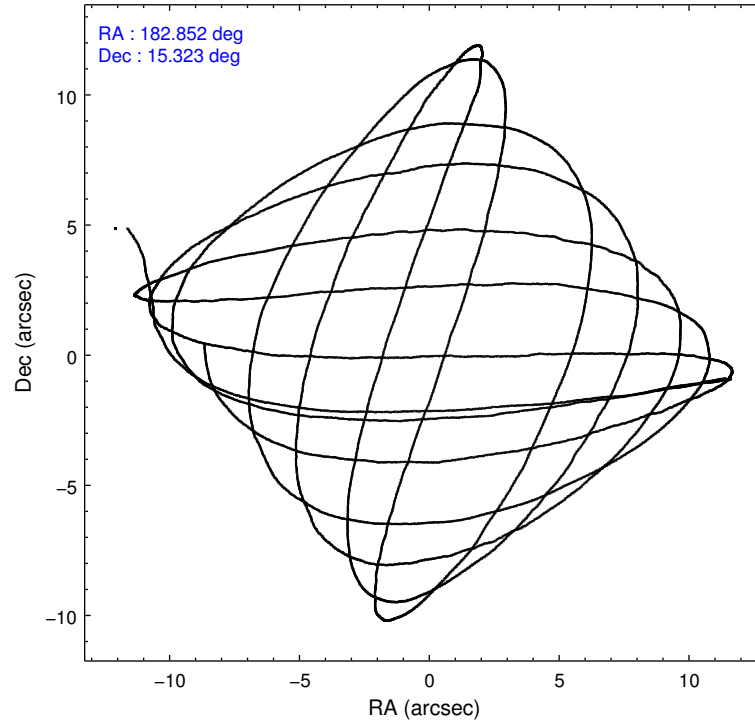
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33803	33308	49223	33345	44277	42952	grade 0 events	1604	1663	3747	1505	1711	2911
rejected events	29934	29509	25856	29539	26226	33989		4%	4%	7%	4%	3%	6%
rejected %	88%	88%	52%	88%	59%	79%	grade 1 events	13	16	151	23	37	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	899	748	6396	800	3590	1806
								2%	2%	12%	2%	8%	4%
							grade 3 events	349	355	899	351	1659	1026
								1%	1%	1%	1%	3%	2%
							grade 4 events	362	341	892	403	1611	923
								1%	1%	1%	1%	3%	2%
							grade 5 events	1239	1352	3568	1521	4270	1814
								3%	4%	7%	4%	9%	4%
							grade 6 events	657	694	11454	752	9497	2301
								1%	2%	23%	2%	21%	5%
							grade 7 events	28680	28139	22116	27990	21902	32138
								84%	84%	44%	83%	49%	74%

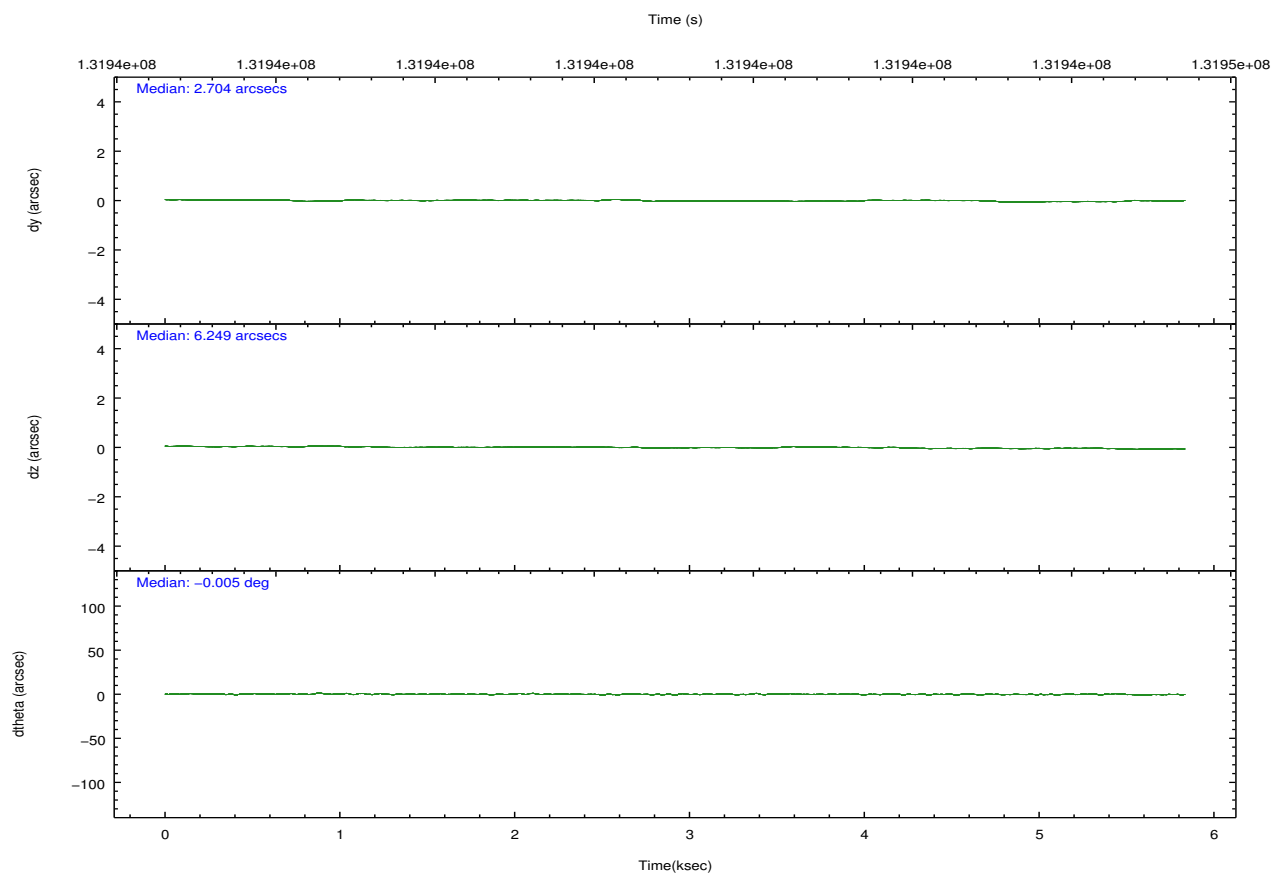
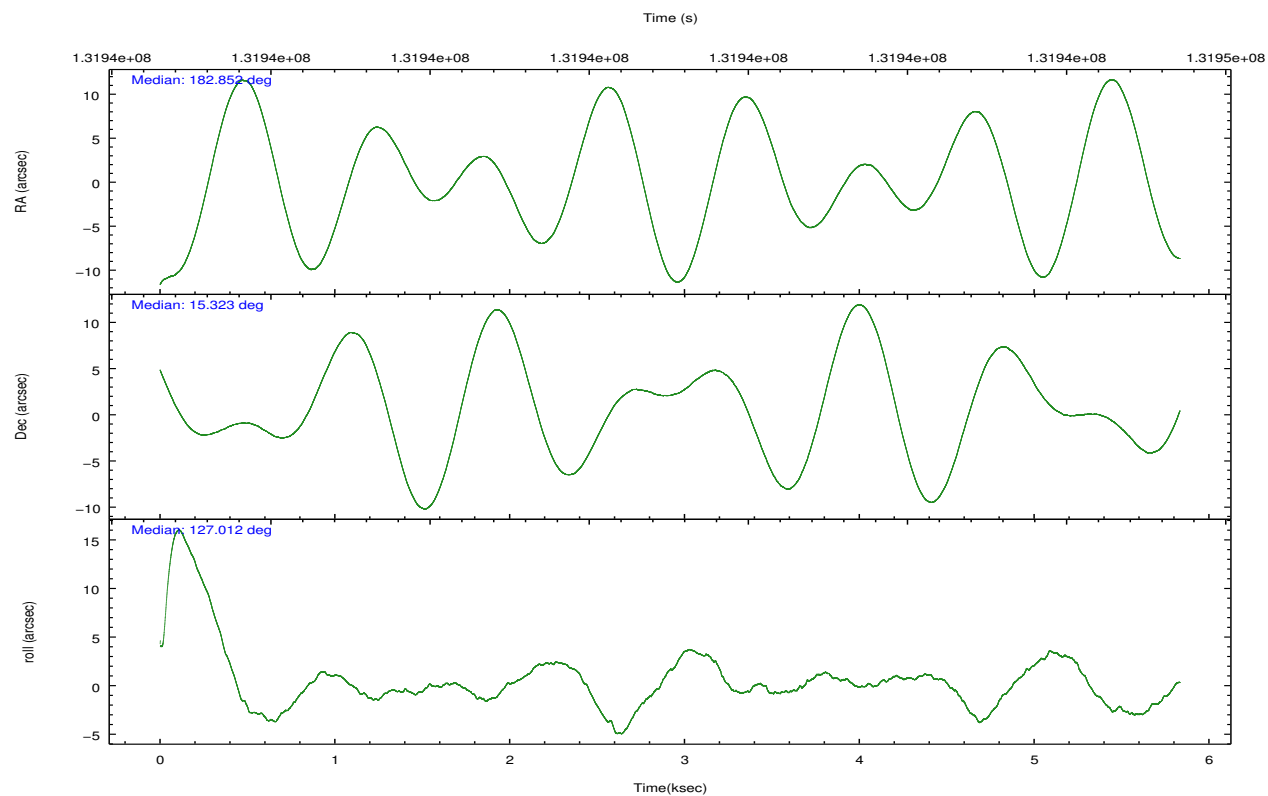
2.2 Compared Parameters

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	182.877851	182.851669705081
[deg] Pointing Dec	15.312463	15.3227084417064
[deg] Pointing Roll	126.855771	127.019299453096
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	131940427.184000	131939145.0545
Observation start date	2002-03-08T02:06:03	2002-03-08T01:45:45
[s] Observation end time (MET)	131945427.184000	131946180.14228
Observation end date	2002-03-08T03:29:23	2002-03-08T03:43:00
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



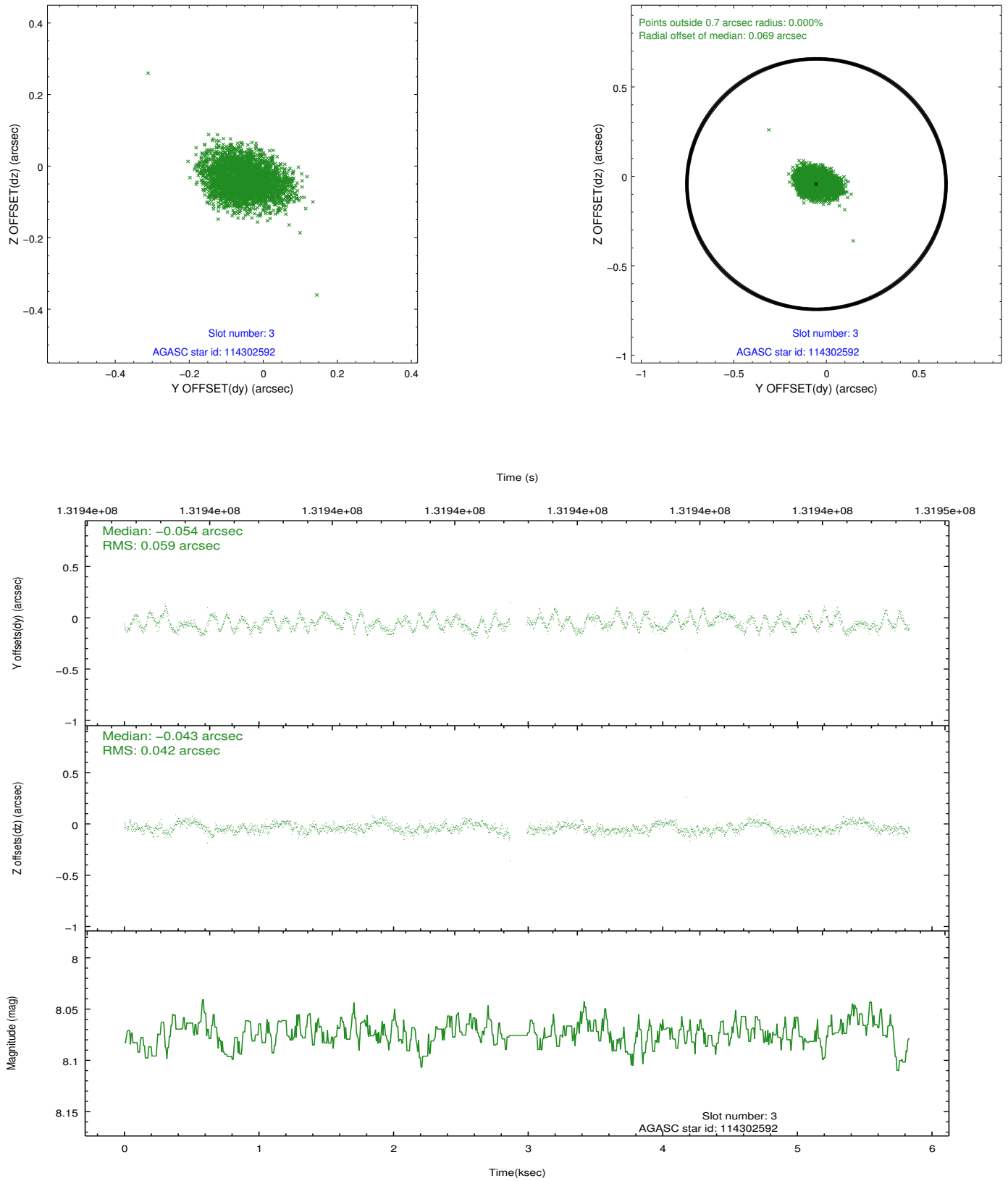


Slot Statistics

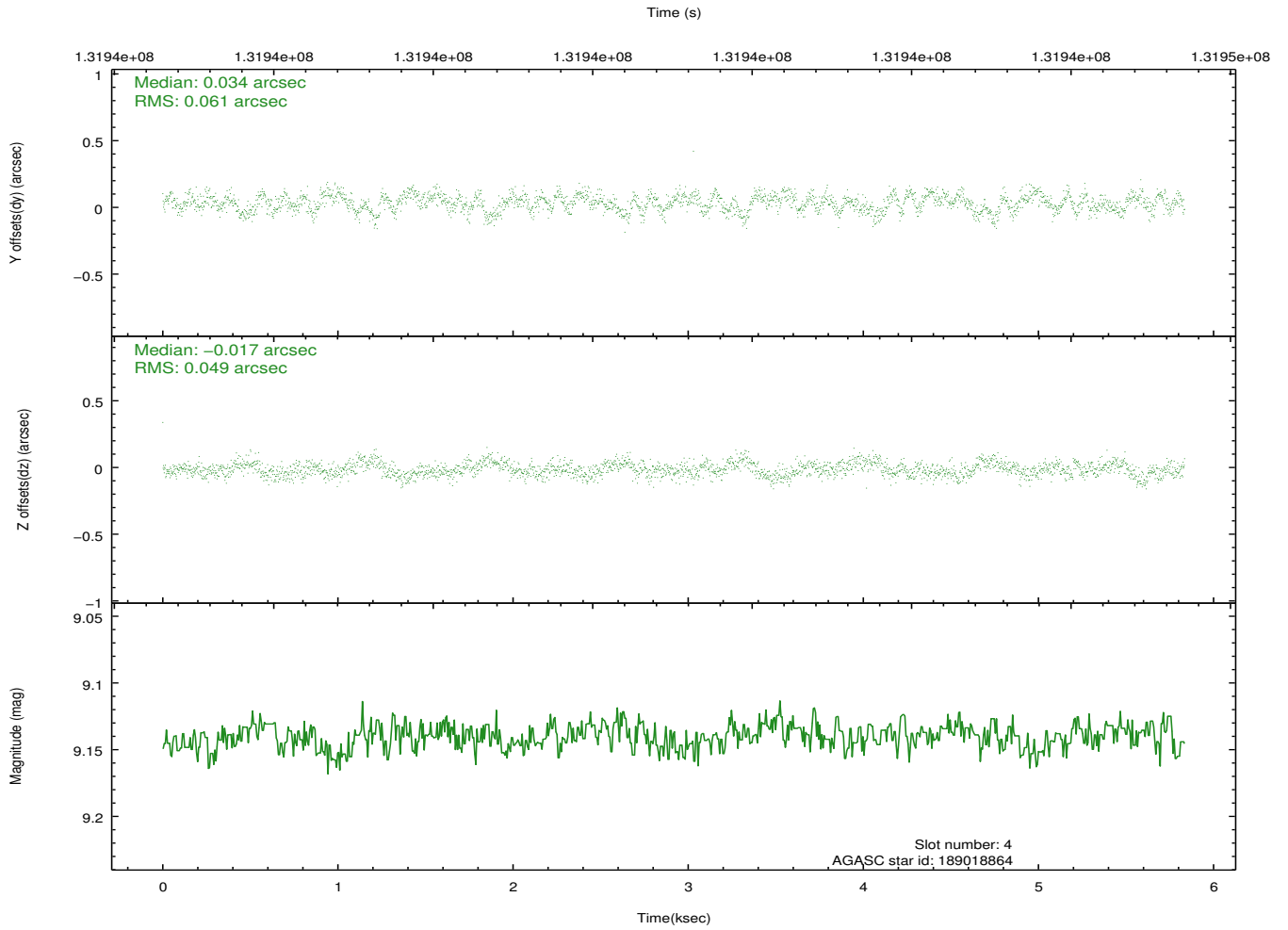
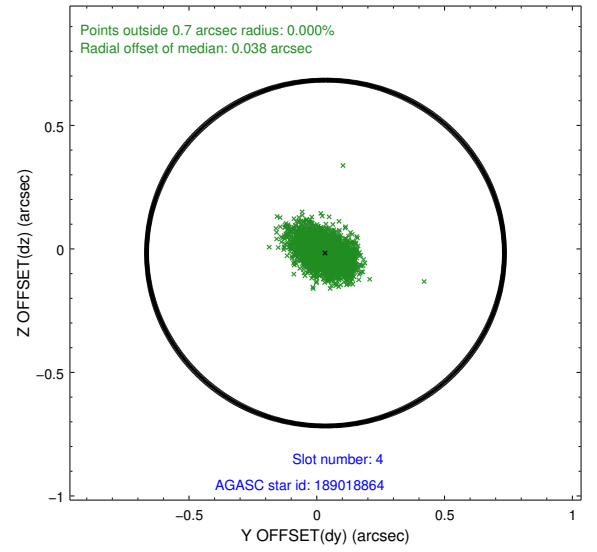
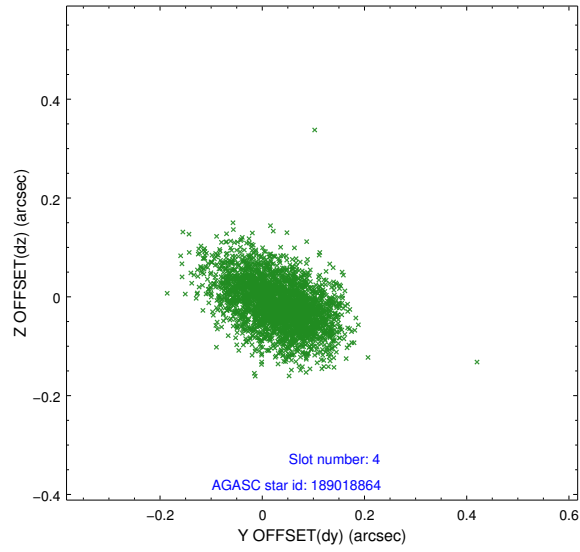
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1423	-0.030	0.016	0.006	0.011	0.000000	0.000000	-755.32	-1727.39
1	FID	ACIS-S-4	7.21	1423	-0.030	0.010	0.005	0.010	0.000000	0.000000	2157.45	180.10
2	FID	ACIS-S-5	7.24	1423	0.029	-0.017	0.006	0.011	0.000000	0.000000	-1806.83	174.82
3	GUIDE	114302592	8.07	2781	-0.054	-0.043	0.078	0.121	182.751254	14.424375	-2293.51	2270.39
4	GUIDE	189018864	9.14	2845	0.034	-0.017	0.082	0.137	182.332375	15.411376	1421.16	1300.58
5	GUIDE	114302016	9.41	2847	0.063	0.053	0.087	0.149	183.083425	14.815890	-1858.73	499.55
6	GUIDE	189020552	9.33	2844	-0.042	0.057	0.146	0.328	183.453127	15.463537	-760.45	-1925.07
7	GUIDE	114301832	9.44	2842	-0.023	-0.030	0.086	0.139	182.929668	14.883298	-1344.69	781.26

2.4 Star Slots

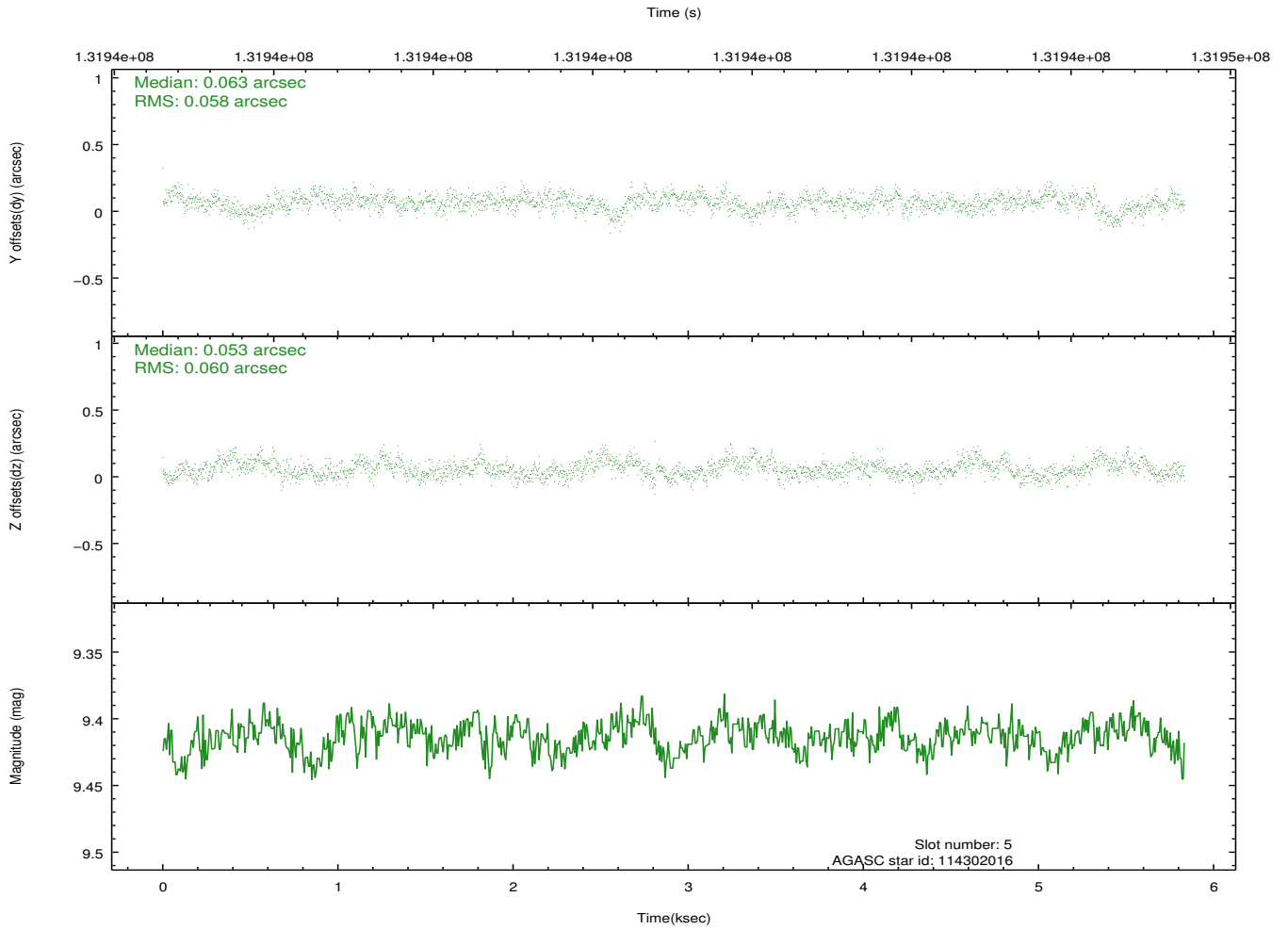
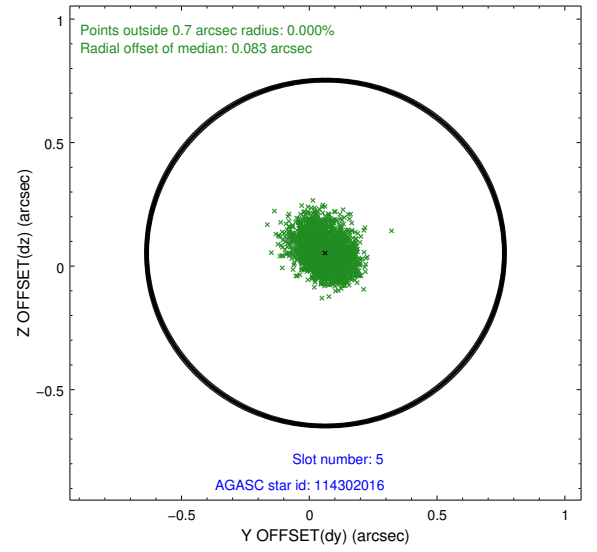
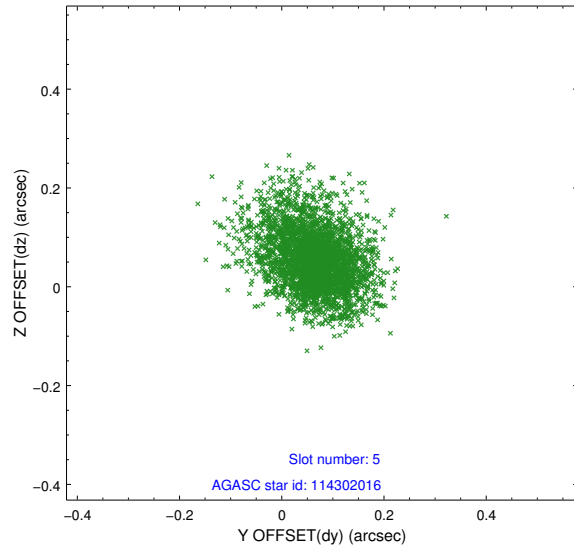
2.4.1 Slot 3



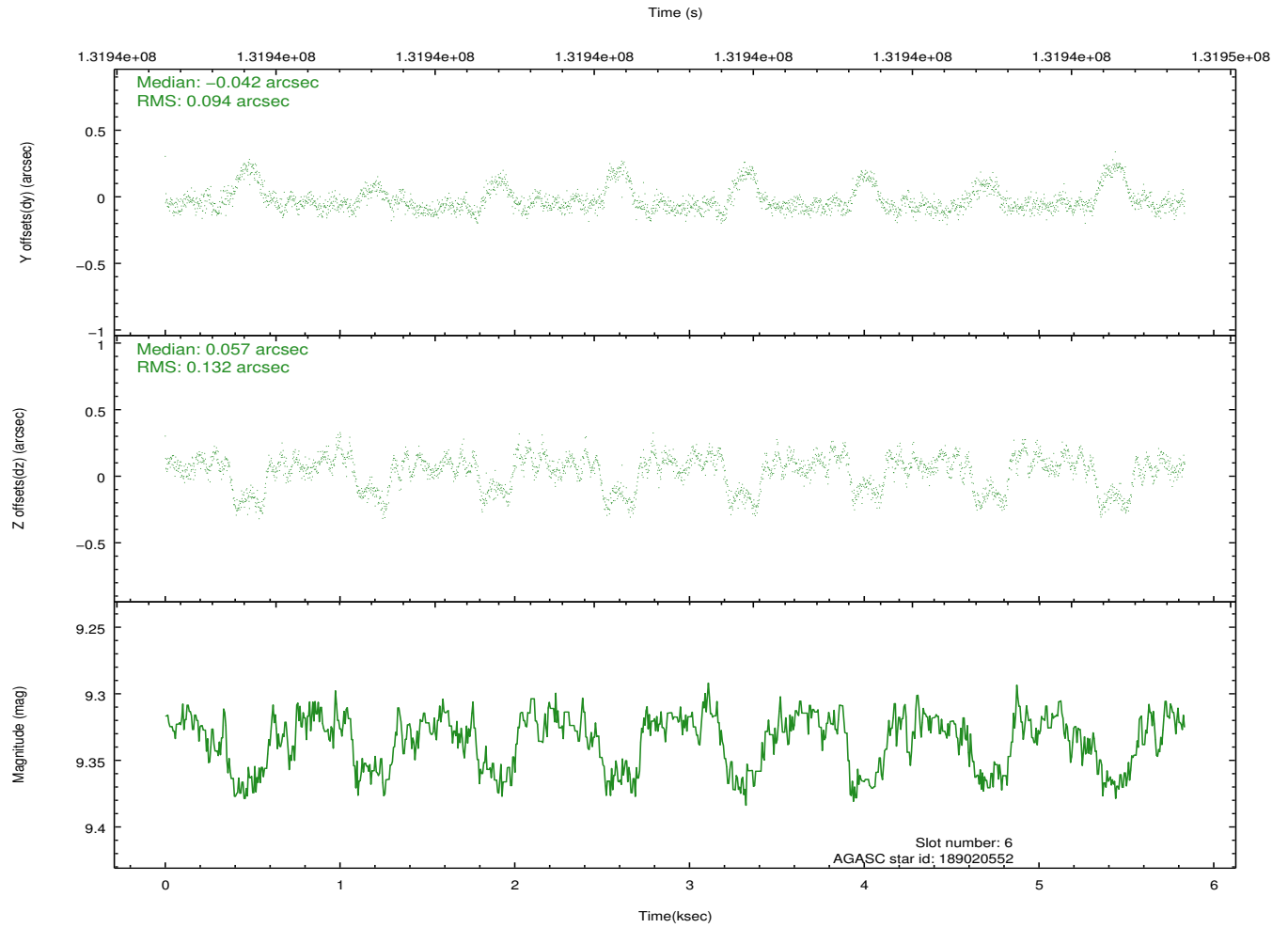
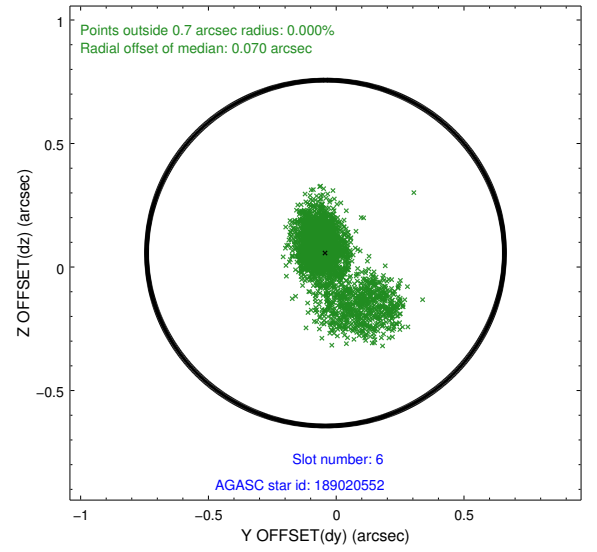
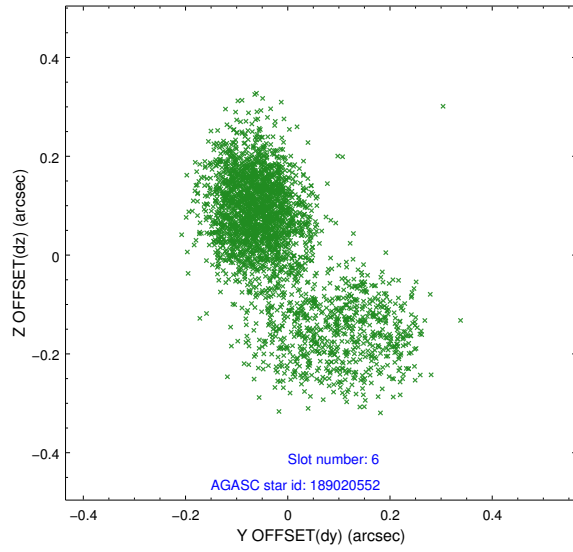
2.4.2 Slot 4



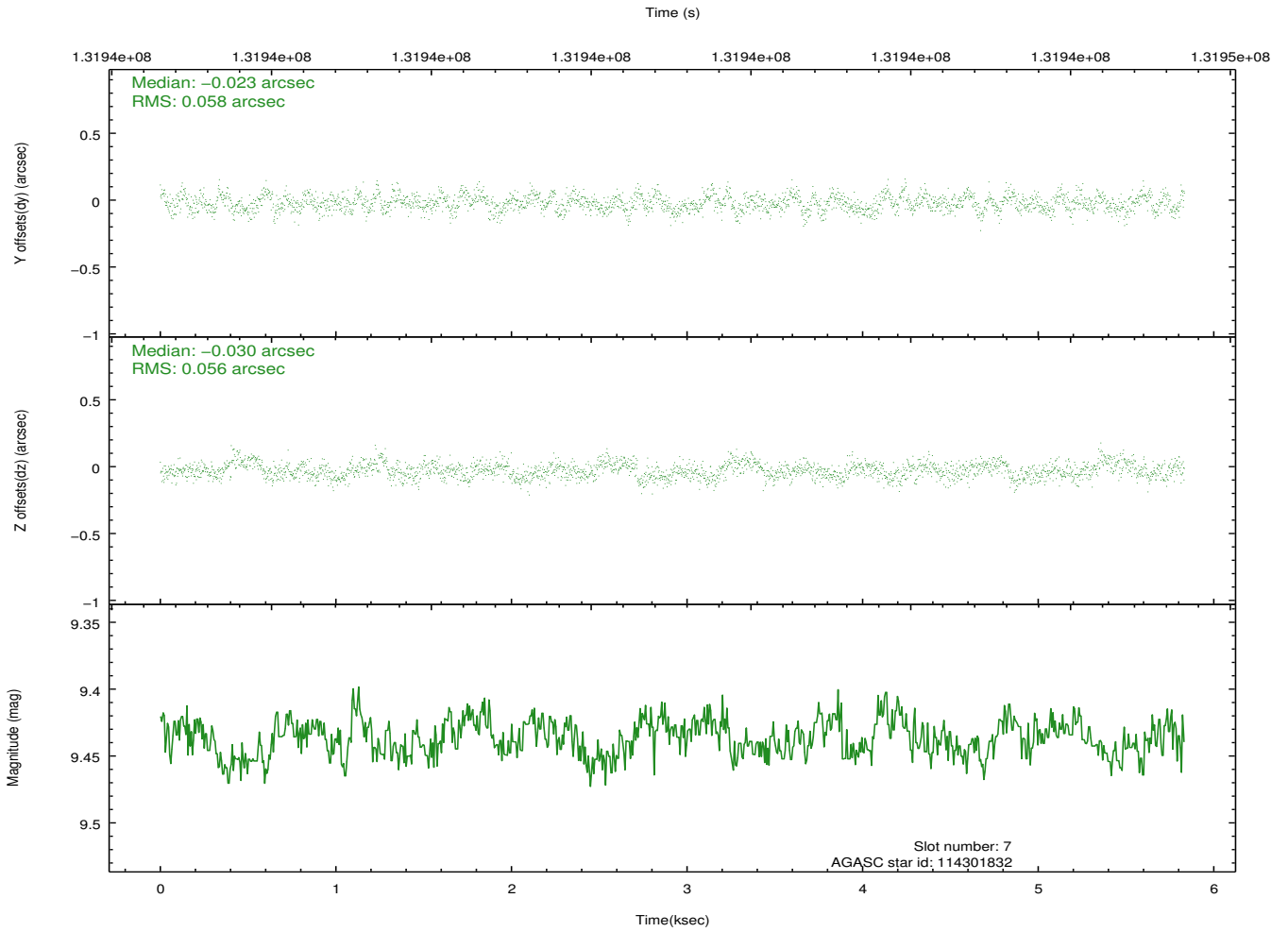
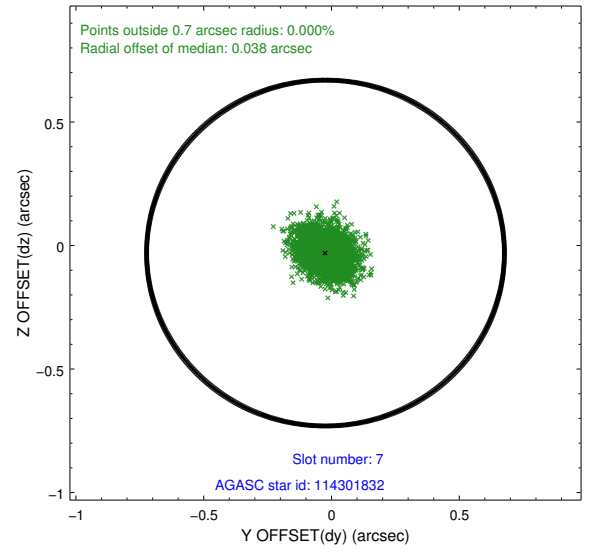
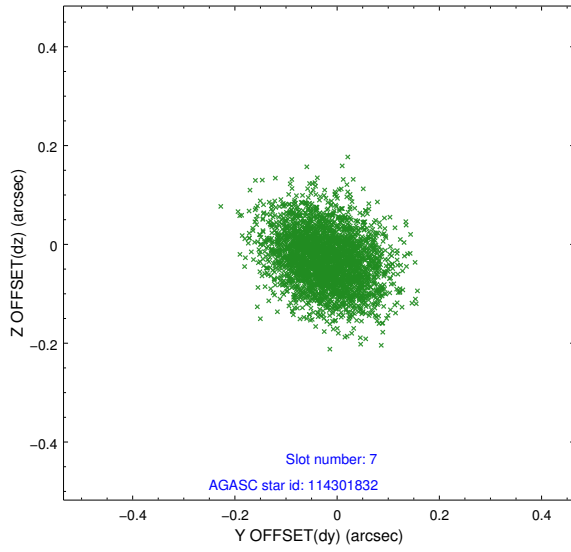
2.4.3 Slot 5



2.4.4 Slot 6

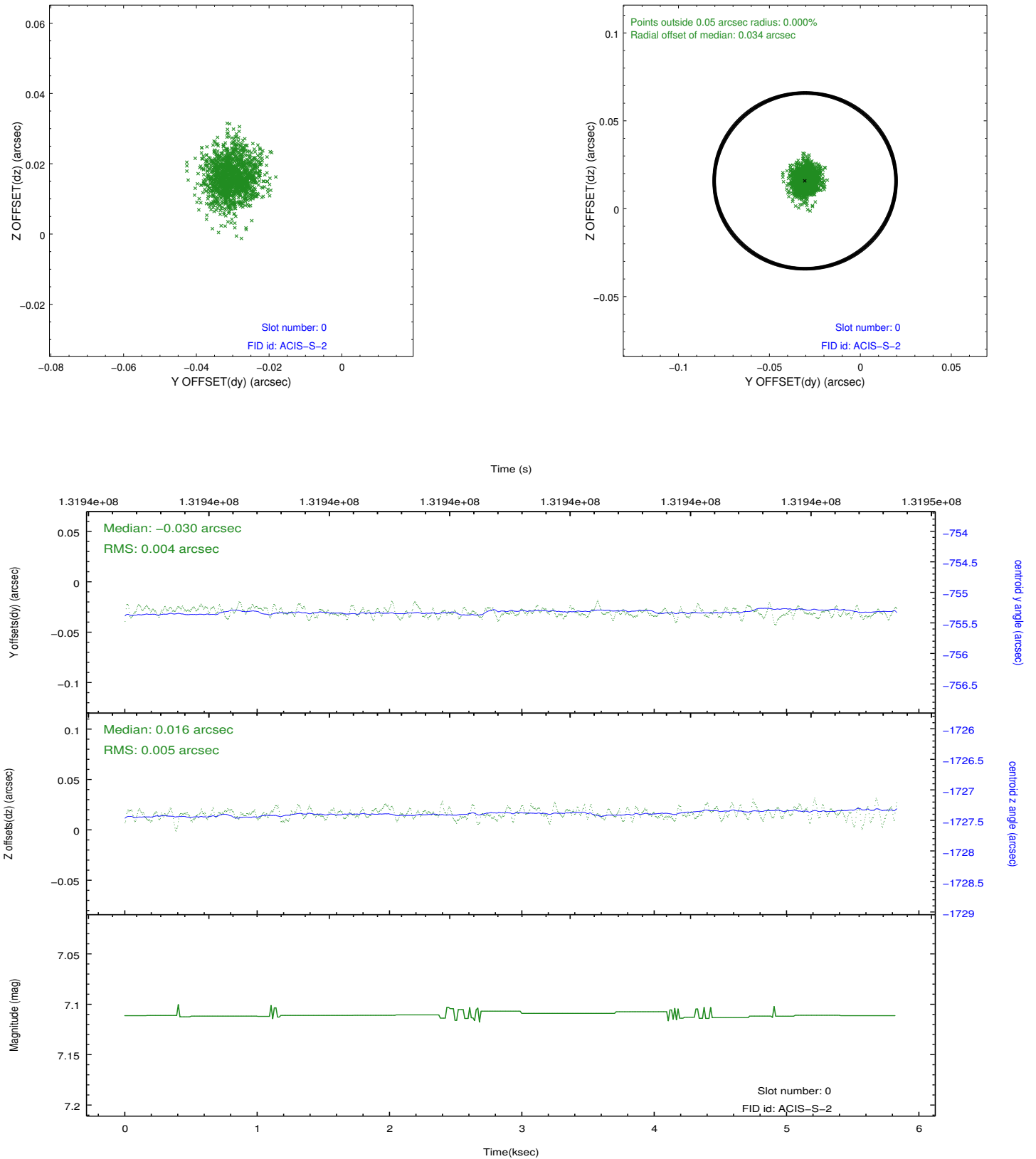


2.4.5 Slot 7

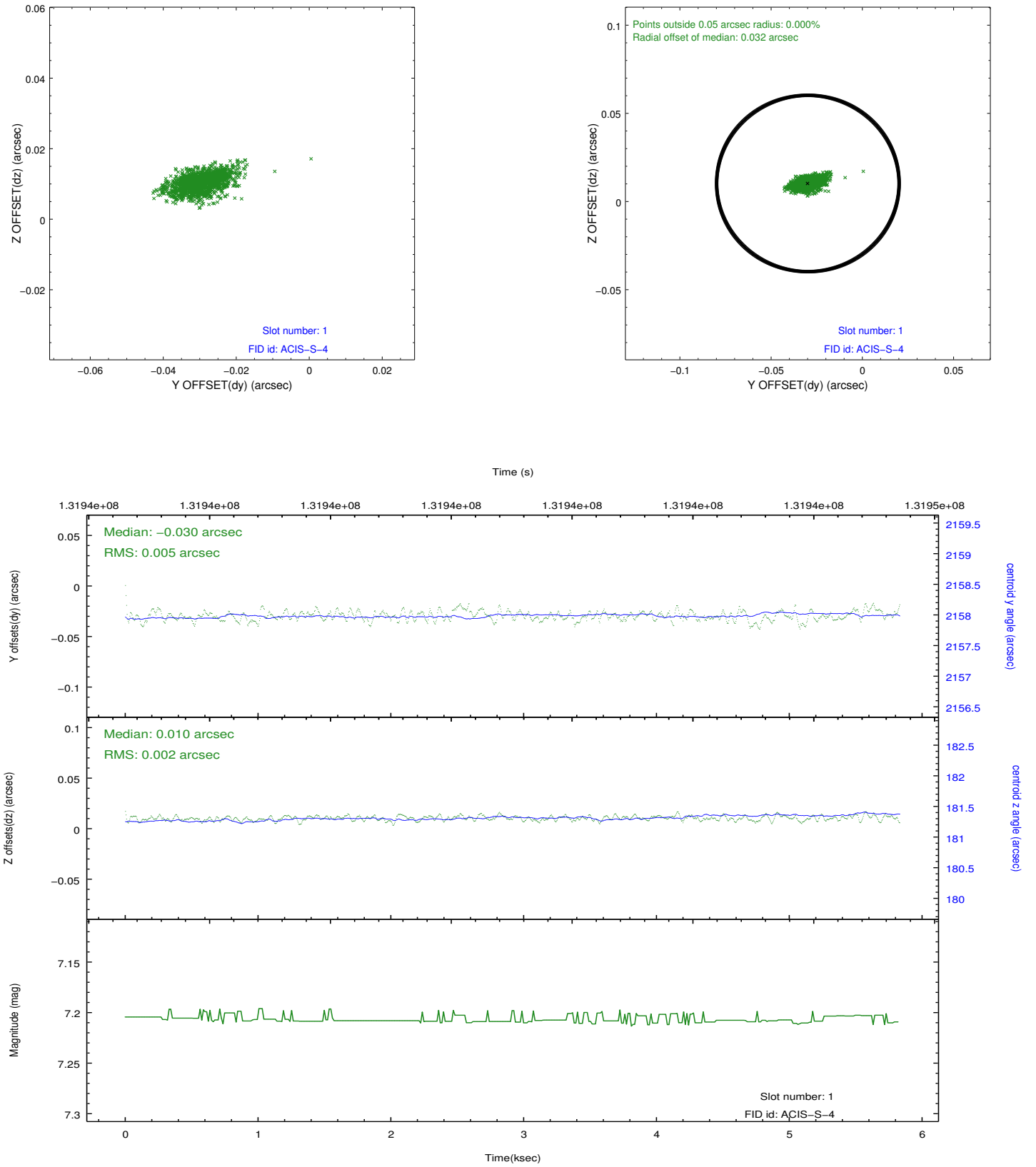


2.5 FID Slots

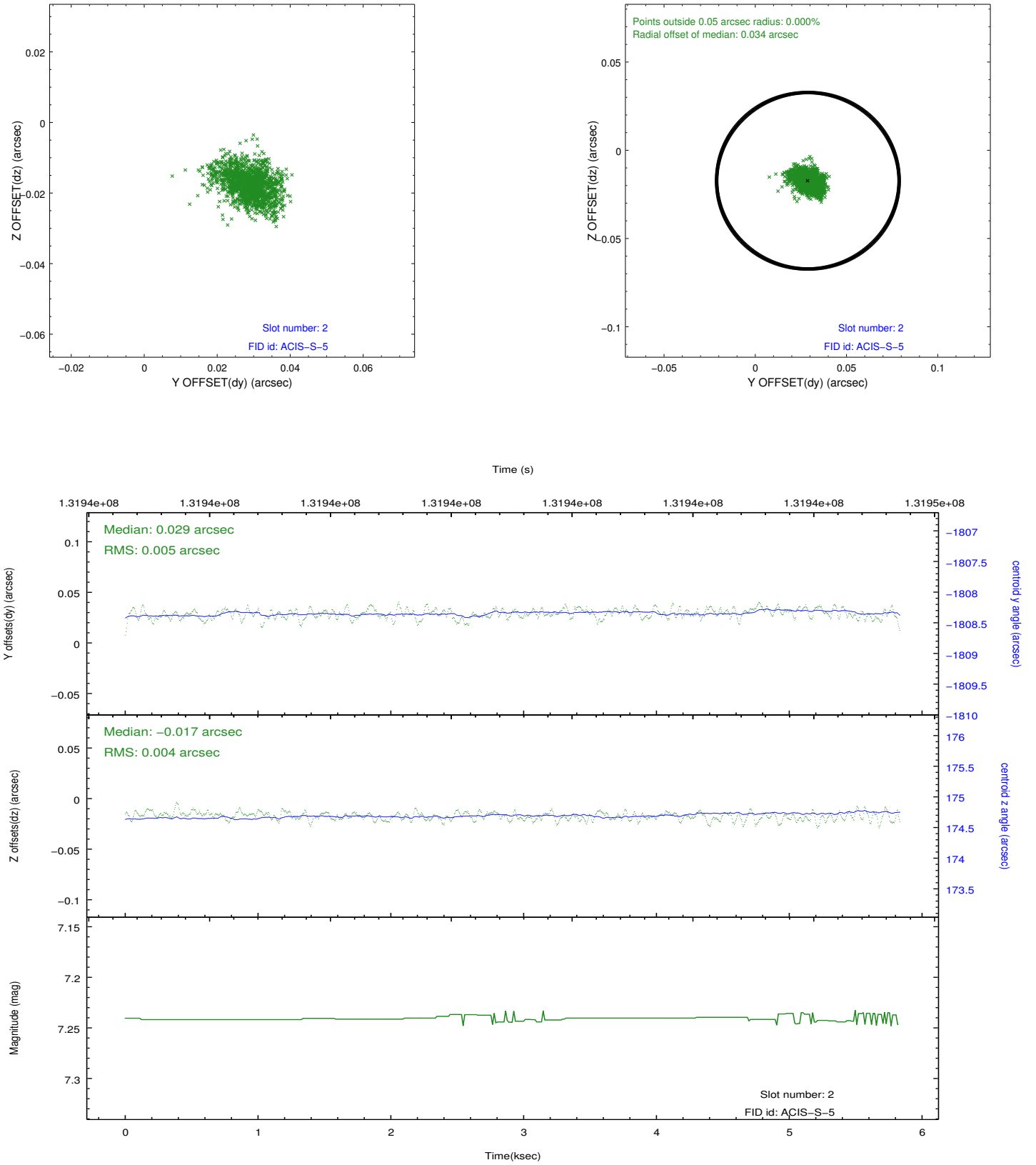
2.5.1 Slot 0



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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.96

A.2 Comments