

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2456 - L2 Version 3
Chandra X-Ray Center

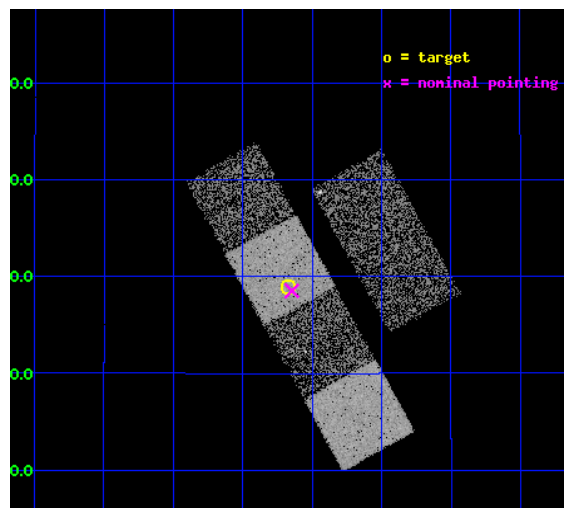
L2 Processing Date : Sep 16 2012

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1 Front

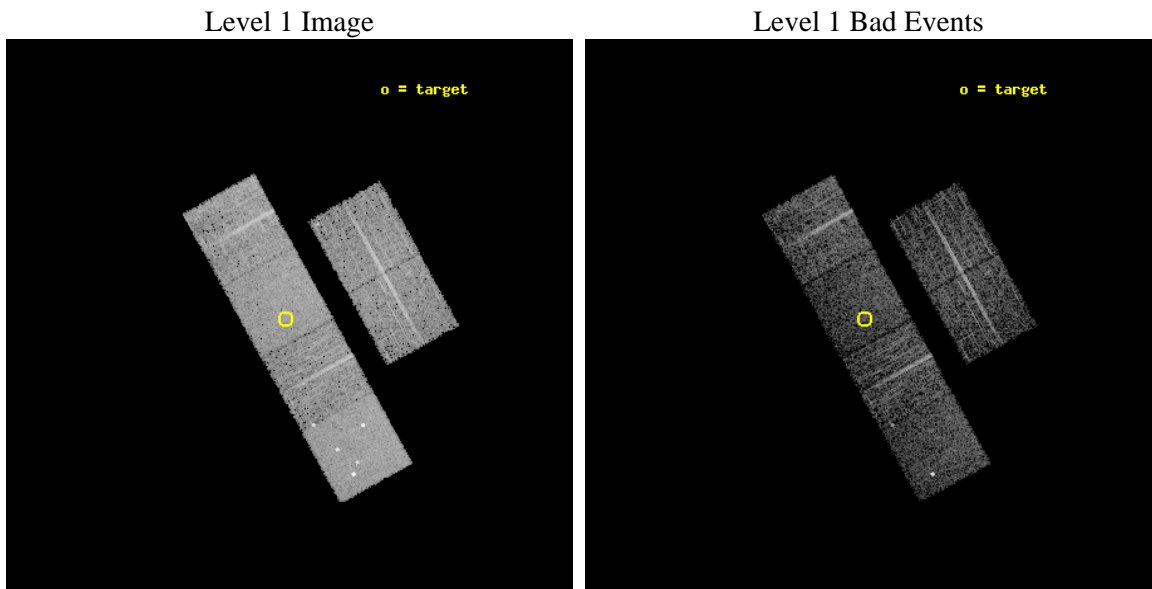
seq_num	700394	Sequence number
obs_id	2456	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOS FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 1212+1445	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.667917	Observer's specified target RA [deg]
dec_targ	14.483056	Observer's specified target Dec [deg]
ra_nom	183.66152813737	Nominal RA [deg]
dec_nom	14.475485799959	Nominal Dec [deg]
roll_nom	241.02524289327	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4556.8000042289	Sum of GTIs [s]
livetime	4499.0990587999	Livetime [s]
ontime2	4556.8000042289	Sum of GTIs [s]
ontime3	4556.8000042289	Sum of GTIs [s]
ontime5	4556.8000042289	Sum of GTIs [s]
ontime6	4556.8000042289	Sum of GTIs [s]
ontime7	4556.8000042289	Sum of GTIs [s]
ontime8	4553.559033975	Sum of GTIs [s]
l2events	43711	Number of level 2 events



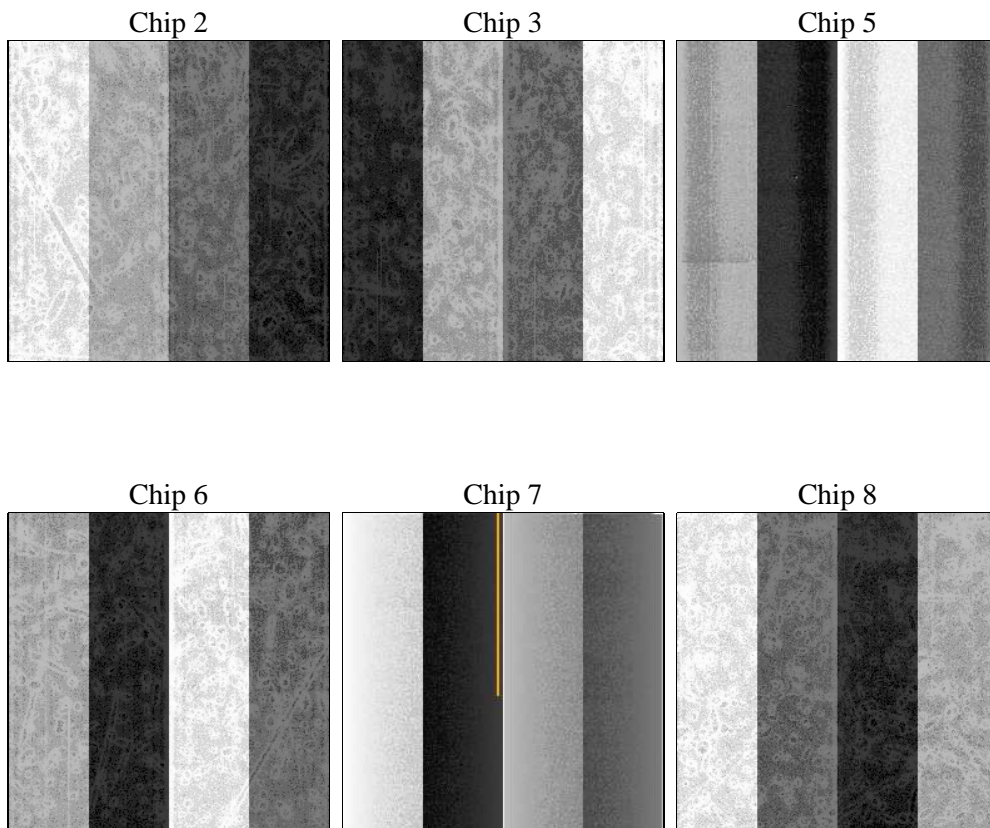
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4556.8000042289	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4556.8000042289	Sum of GTIs [s]
date	2012-09-17T00:52:49	Date and time of file creation	ontime3	4556.8000042289	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4556.8000042289	Sum of GTIs [s]
			ontime6	4556.8000042289	Sum of GTIs [s]
			ontime7	4556.8000042289	Sum of GTIs [s]
			ontime8	4553.559033975	Sum of GTIs [s]
			l1events	202069	Number of level 1 events

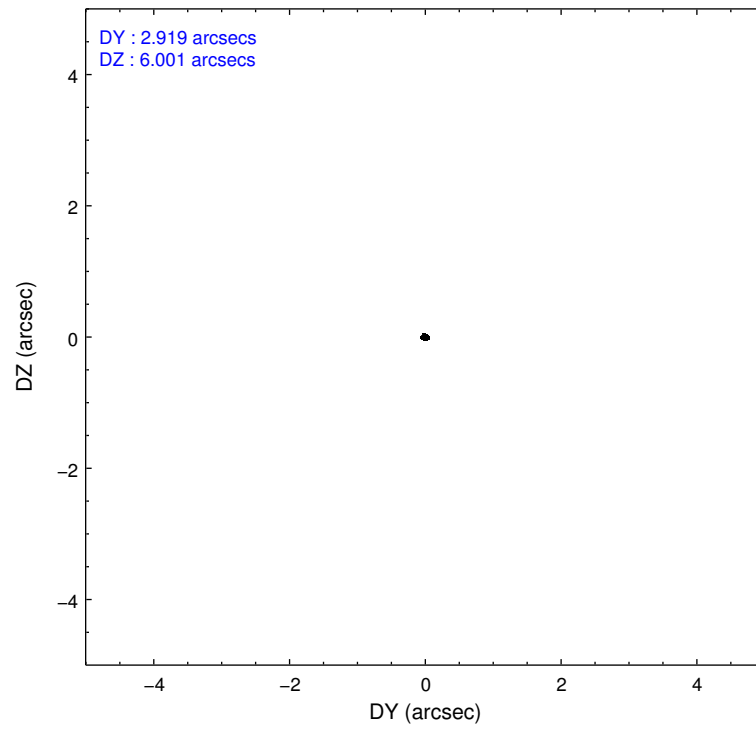
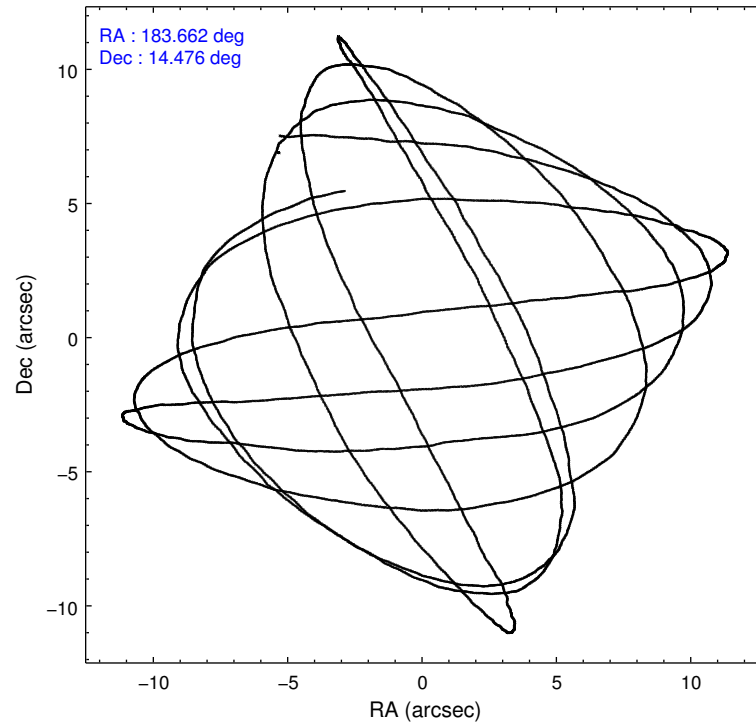
2.1.4 Events

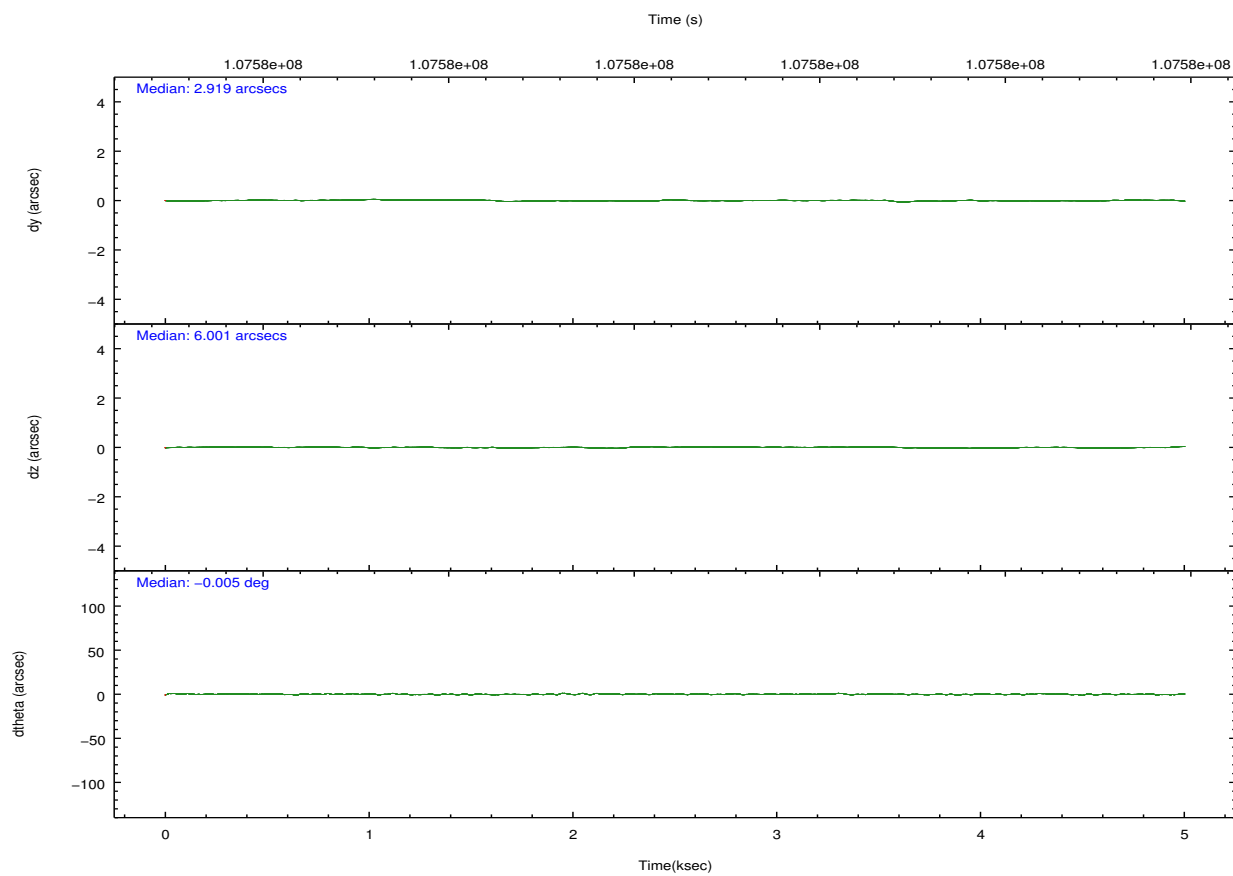
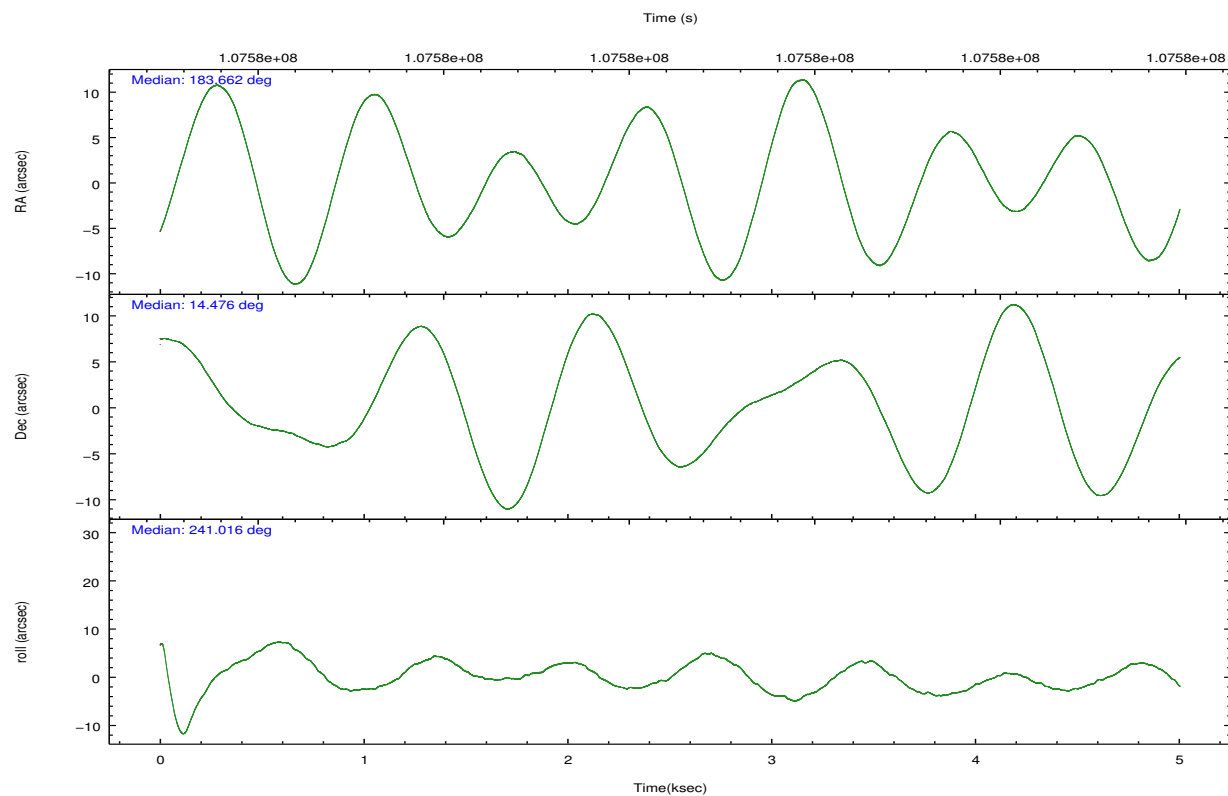
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27565	28700	42877	28899	36544	37484	grade 0 events	1427	1531	4007	1425	1513	2176
rejected events	24357	25357	22083	25454	21104	30754		5%	5%	9%	4%	4%	5%
rejected %	88%	88%	51%	88%	57%	82%	grade 1 events	12	15	153	11	38	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	651	639	5700	680	3012	1471
								2%	2%	13%	2%	8%	3%
							grade 3 events	294	325	808	357	1376	648
								1%	1%	1%	1%	3%	1%
							grade 4 events	295	297	765	333	1421	674
								1%	1%	1%	1%	3%	1%
							grade 5 events	911	1072	3374	1096	3520	1472
								3%	3%	7%	3%	9%	3%
							grade 6 events	545	555	9535	657	8138	1771
								1%	1%	22%	2%	22%	4%
							grade 7 events	23430	24266	18535	24340	17526	29241
								84%	84%	43%	84%	47%	78%

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	183.660735	183.6615281373714	Subarray requested	NONE	NONE
[deg] Pointing Dec	14.502764	14.47548579995912	Alternating exposures requested	N	N
[deg] Pointing Roll	240.868761	241.025242893275	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	107575922.184000	107575438.36167			
Observation start date	2001-05-30T02:10:58	2001-05-30T02:03:58			
[s] Observation end time (MET)	107580722.184000	107581261.8994			
Observation end date	2001-05-30T03:30:58	2001-05-30T03:41:01			
Read mode	TIMED	TIMED			

2.3 Aspect



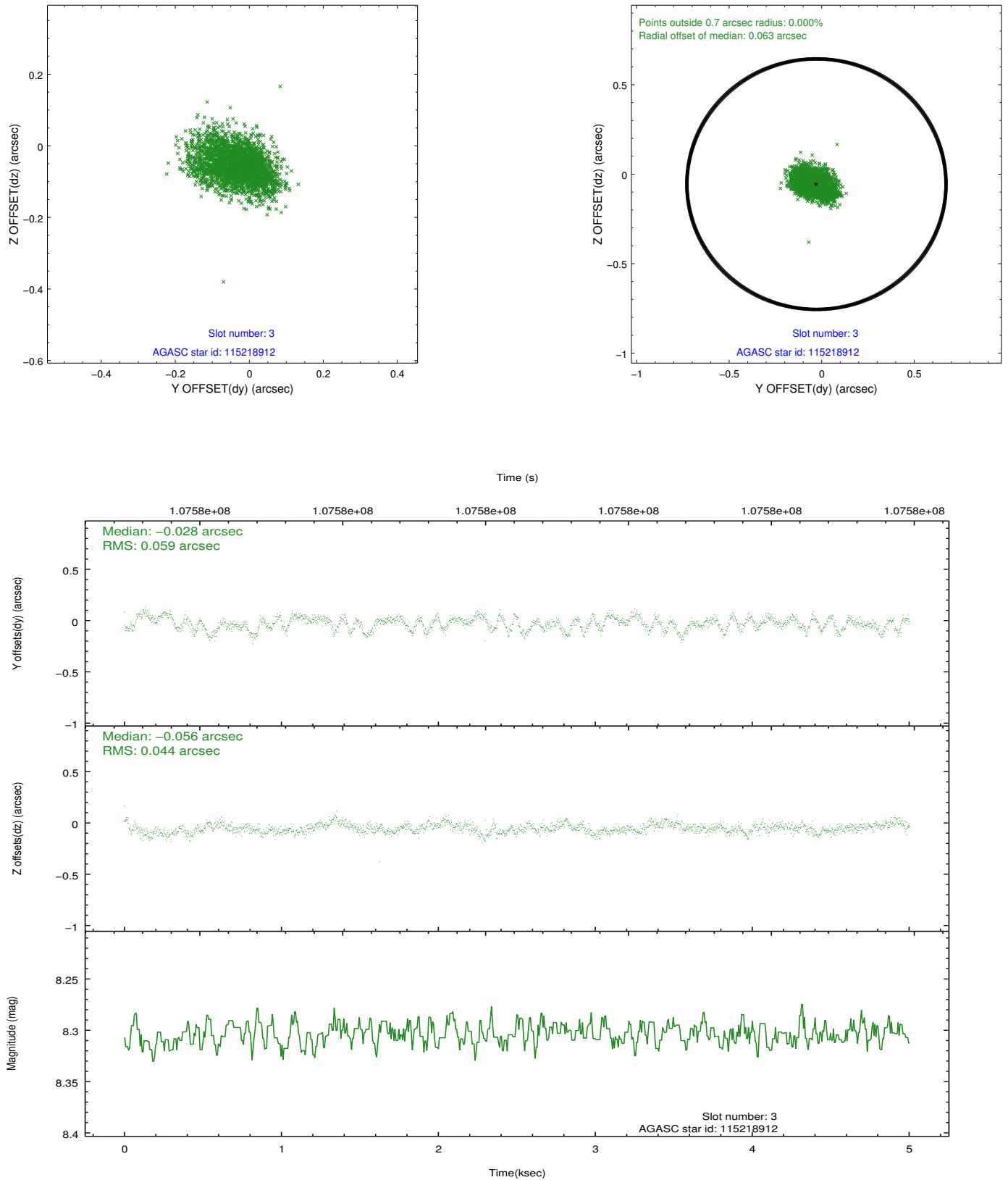


Slot Statistics

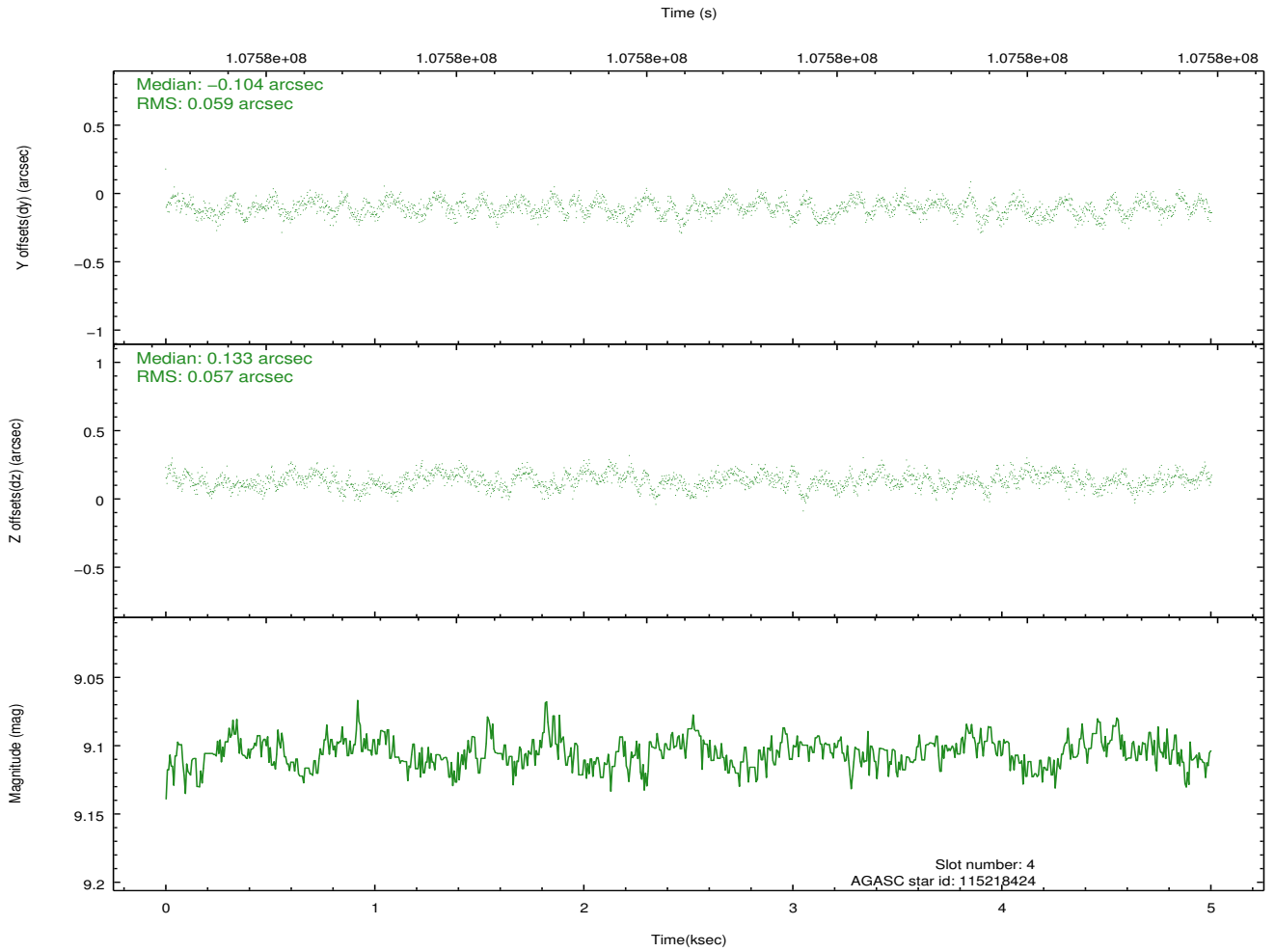
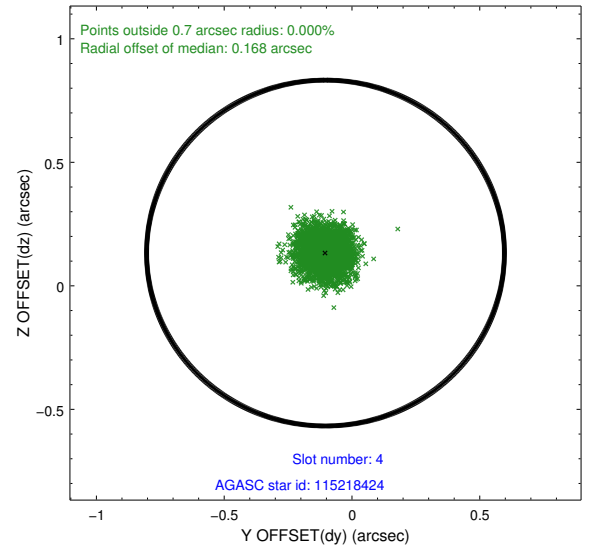
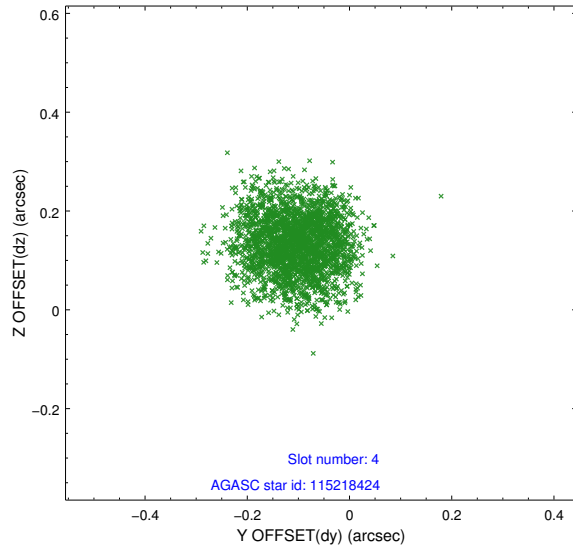
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1221	-0.020	0.013	0.006	0.010	0.000000	0.000000	-755.54	-1727.14
1	FID	ACIS-S-4	7.20	1221	-0.042	0.006	0.005	0.009	0.000000	0.000000	2157.13	180.14
2	FID	ACIS-S-5	7.24	1221	0.030	-0.010	0.006	0.010	0.000000	0.000000	-1806.81	175.10
3	GUIDE	115218912	8.30	2441	-0.028	-0.056	0.077	0.128	184.400783	14.442830	-1070.40	2356.04
4	GUIDE	115218424	9.11	2440	-0.104	0.133	0.089	0.137	184.237137	14.820527	-1977.65	1194.68
5	GUIDE	114297536	9.25	2442	0.109	-0.071	0.081	0.127	183.757120	14.264956	584.30	710.69
6	GUIDE	114303096	9.30	2441	0.075	-0.152	0.079	0.127	183.214020	14.515722	717.42	-1383.47
7	GUIDE	115217168	9.63	2438	-0.046	0.154	0.154	0.228	184.139200	14.158763	268.20	2060.21

2.4 Star Slots

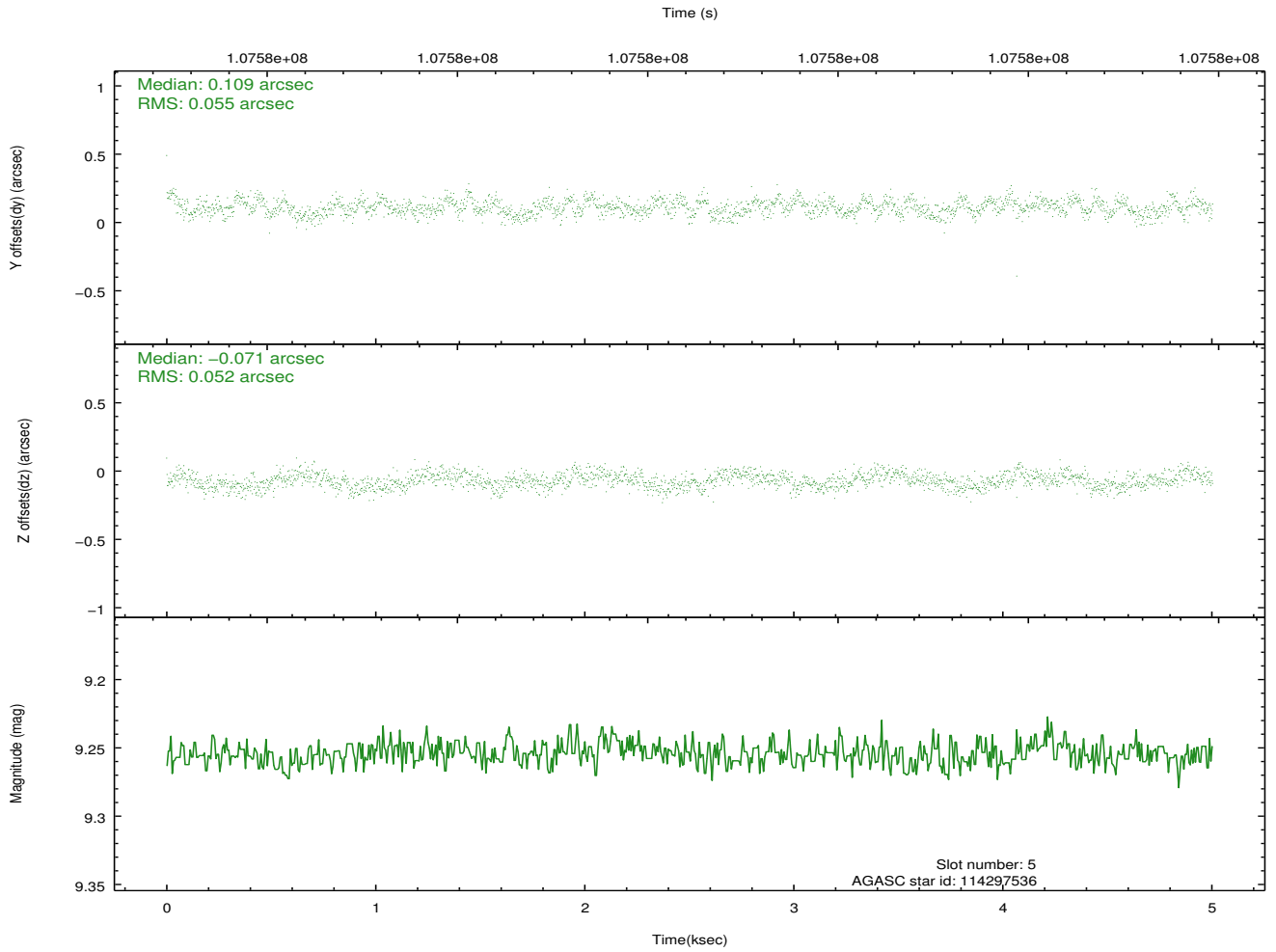
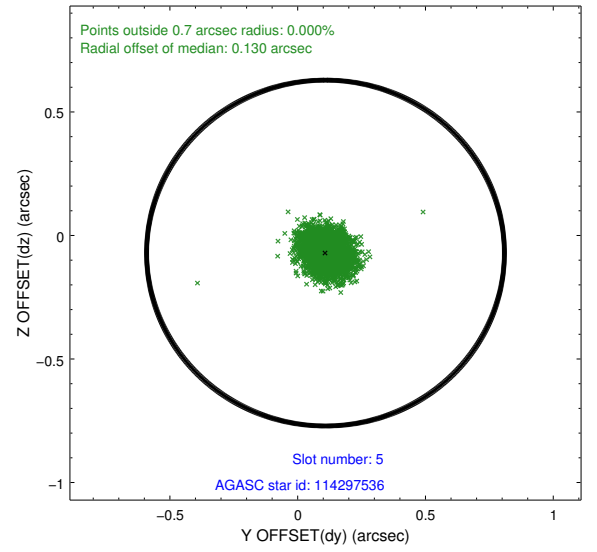
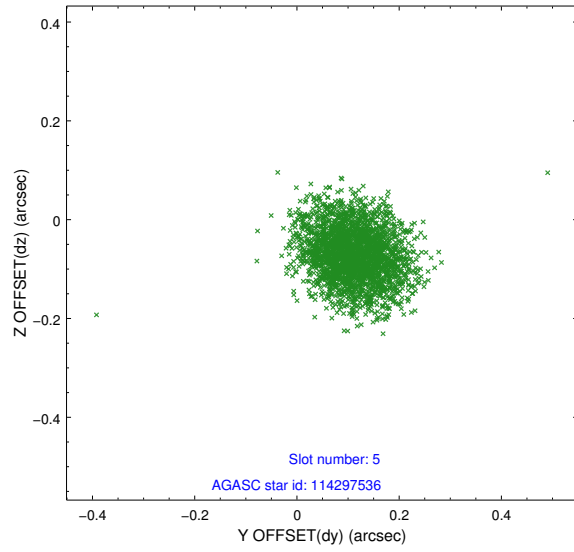
2.4.1 Slot 3



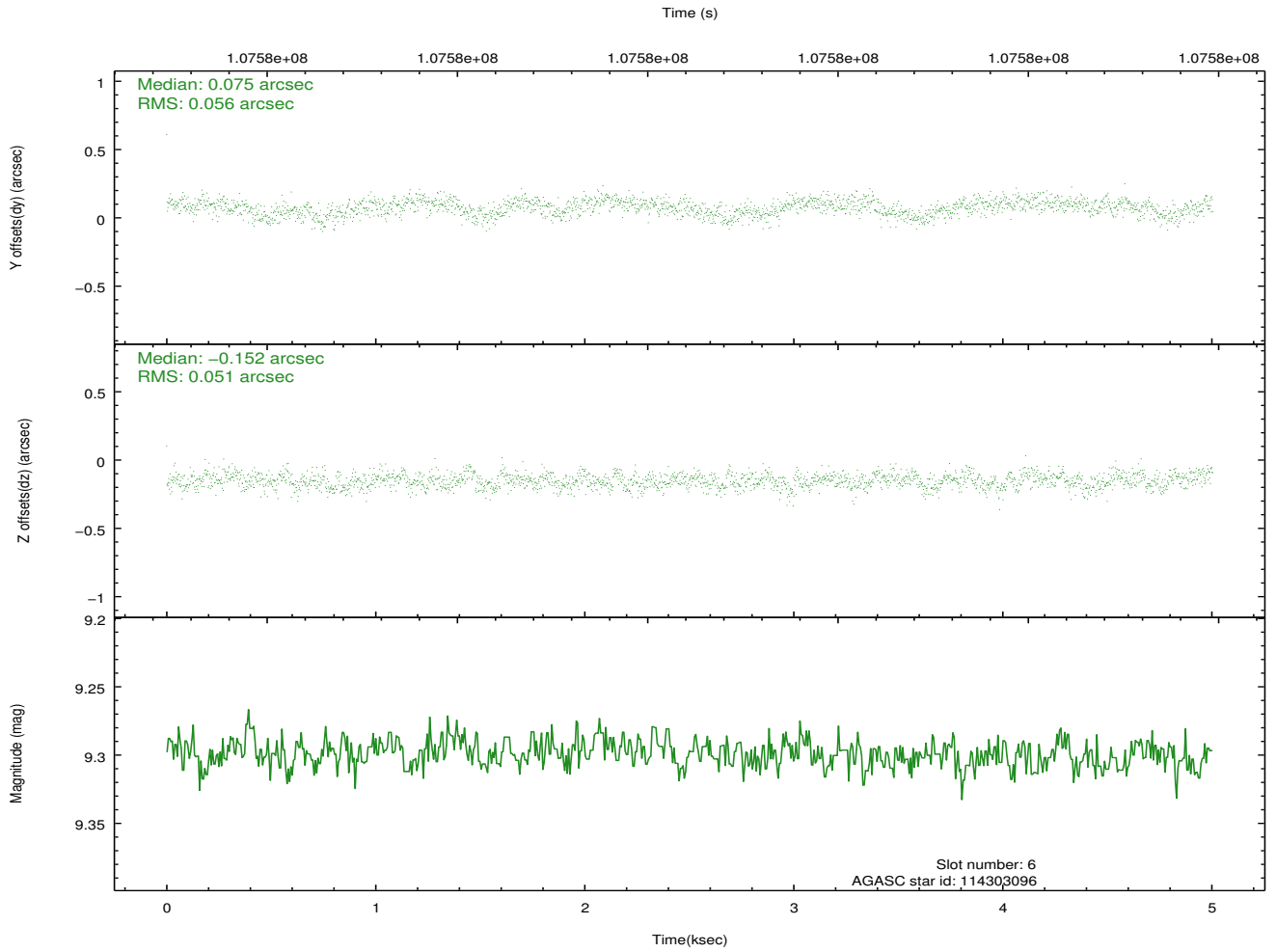
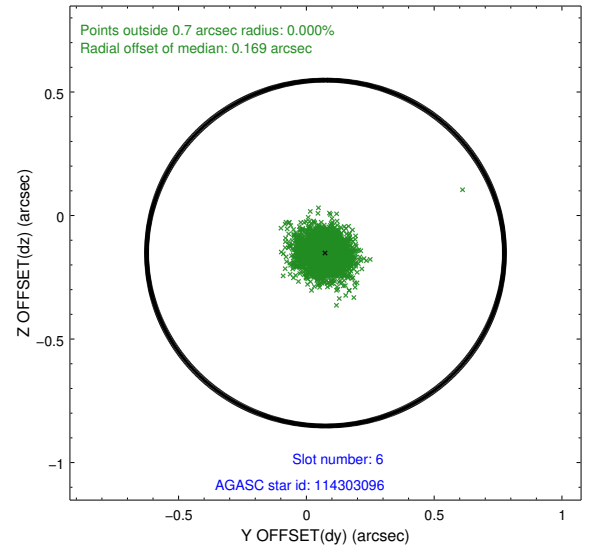
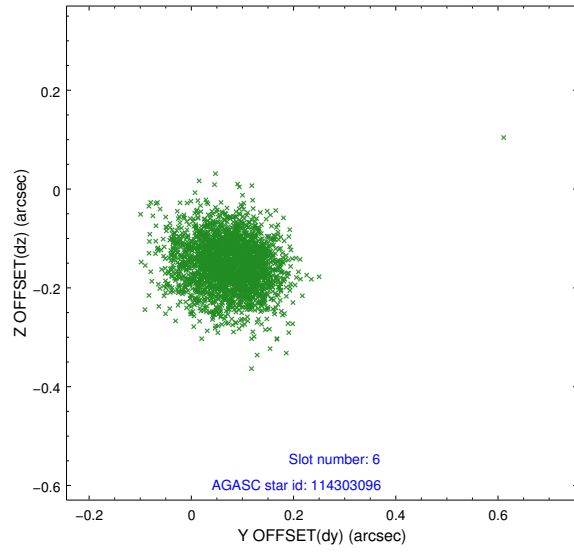
2.4.2 Slot 4



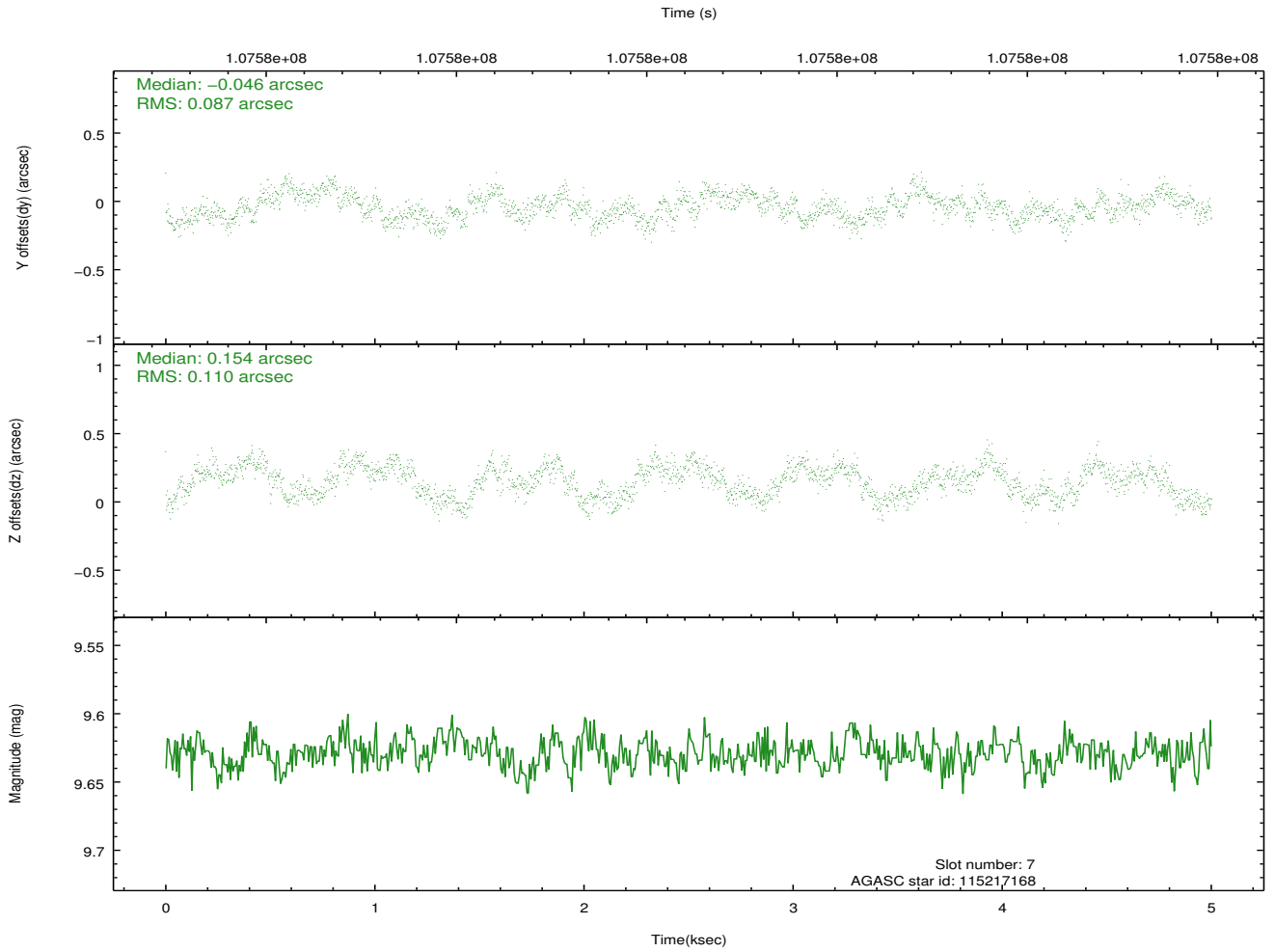
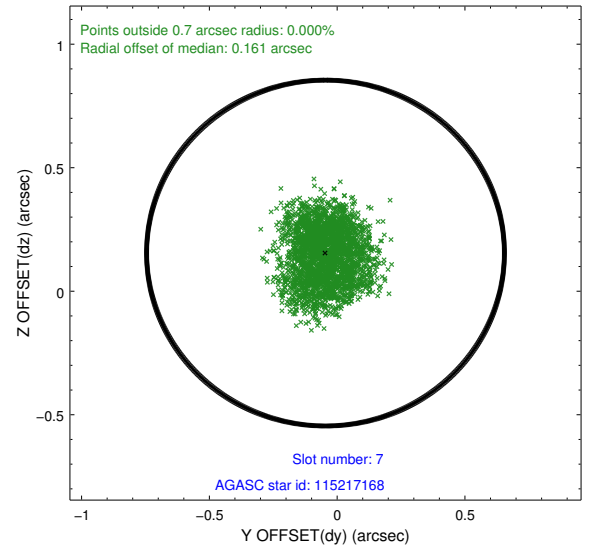
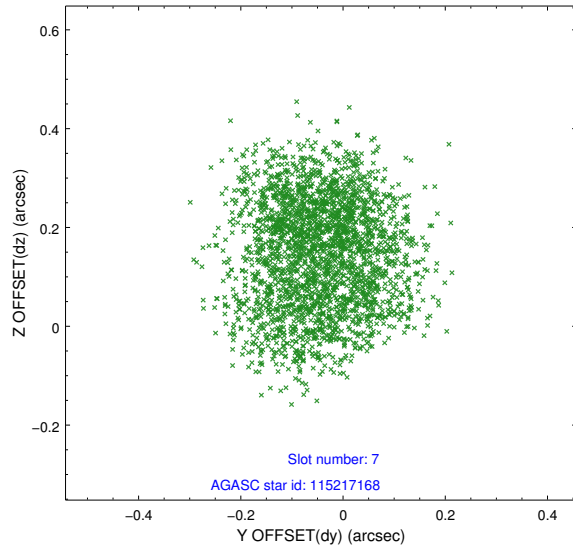
2.4.3 Slot 5



2.4.4 Slot 6

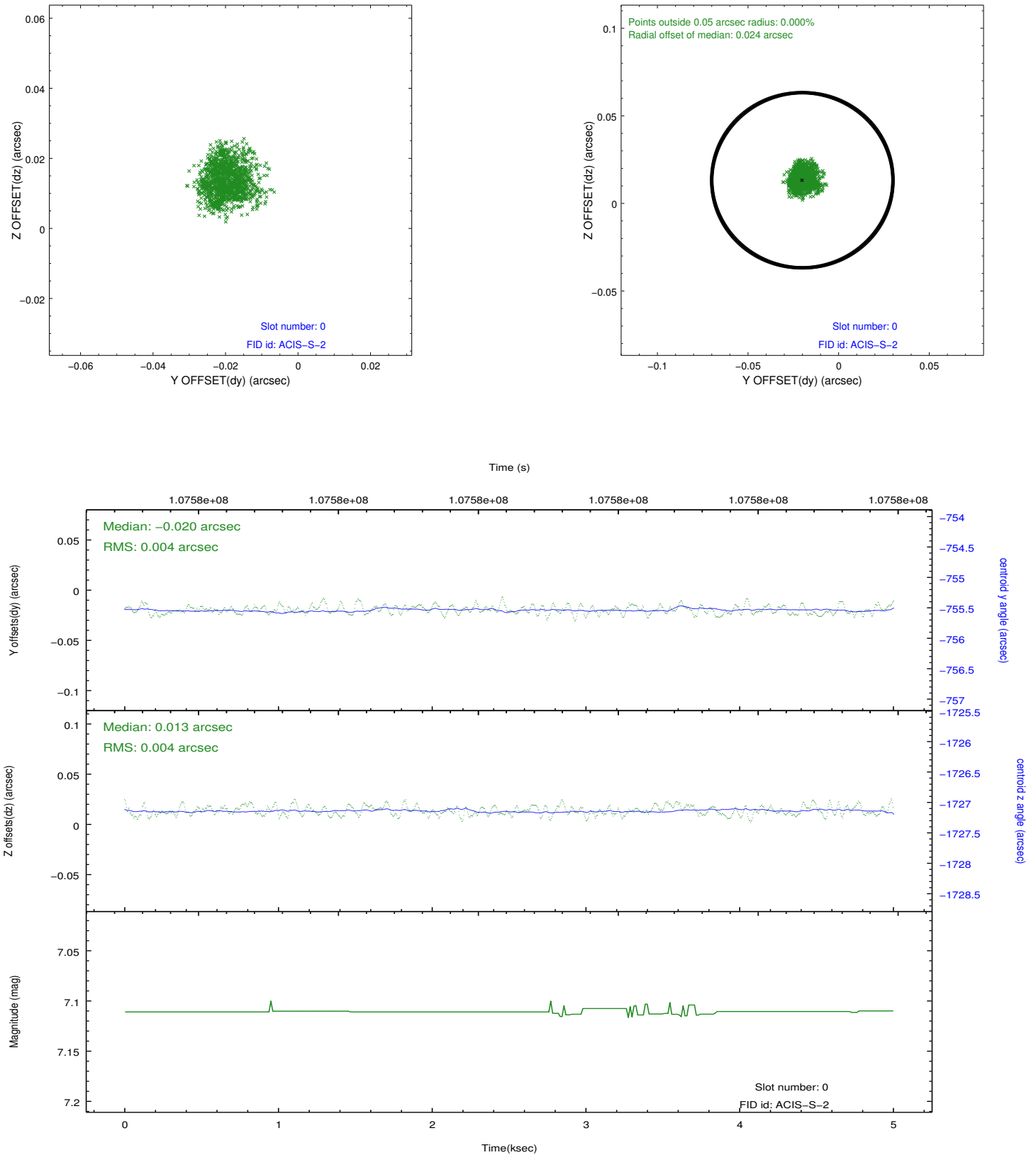


2.4.5 Slot 7

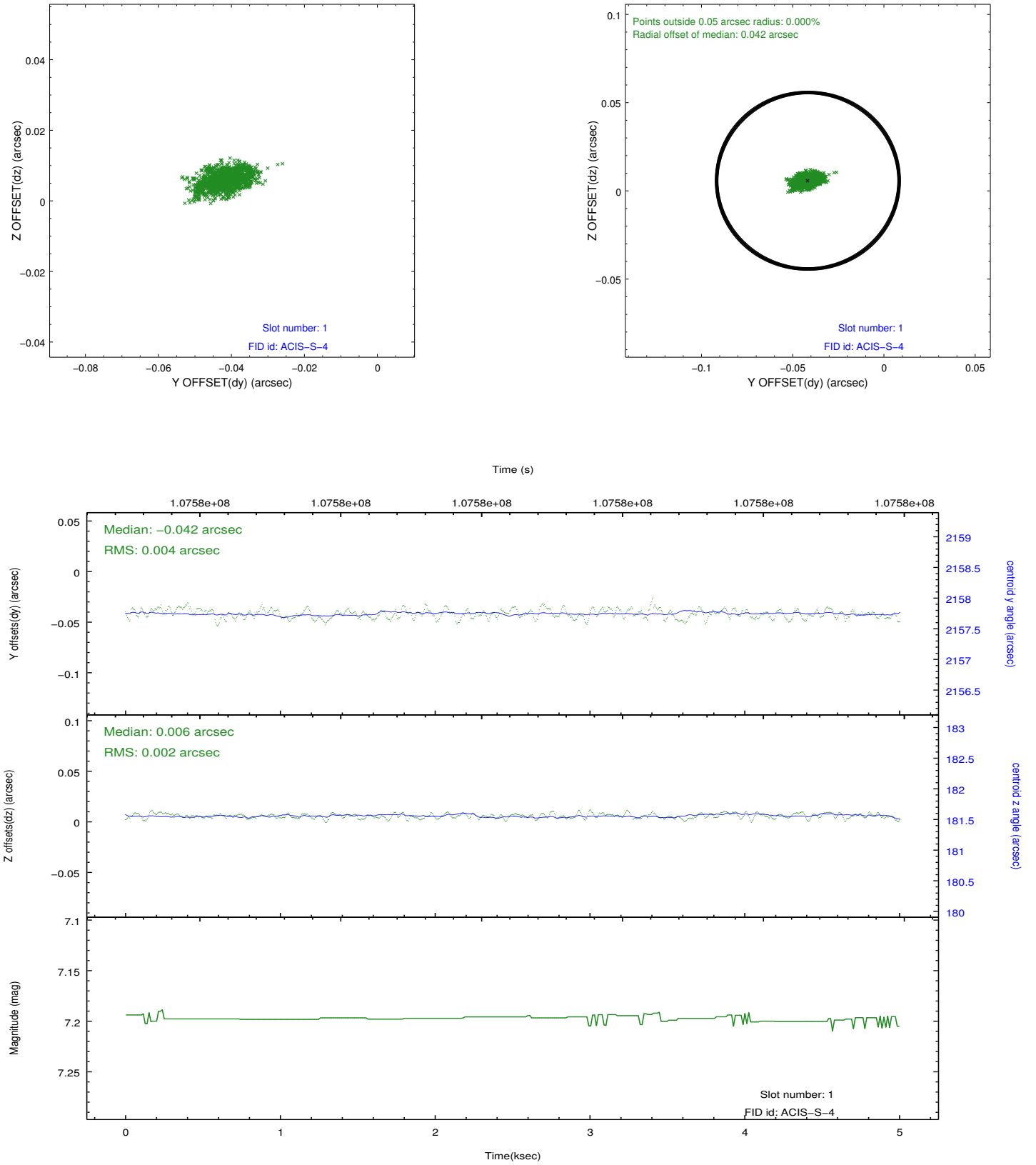


2.5 FID Slots

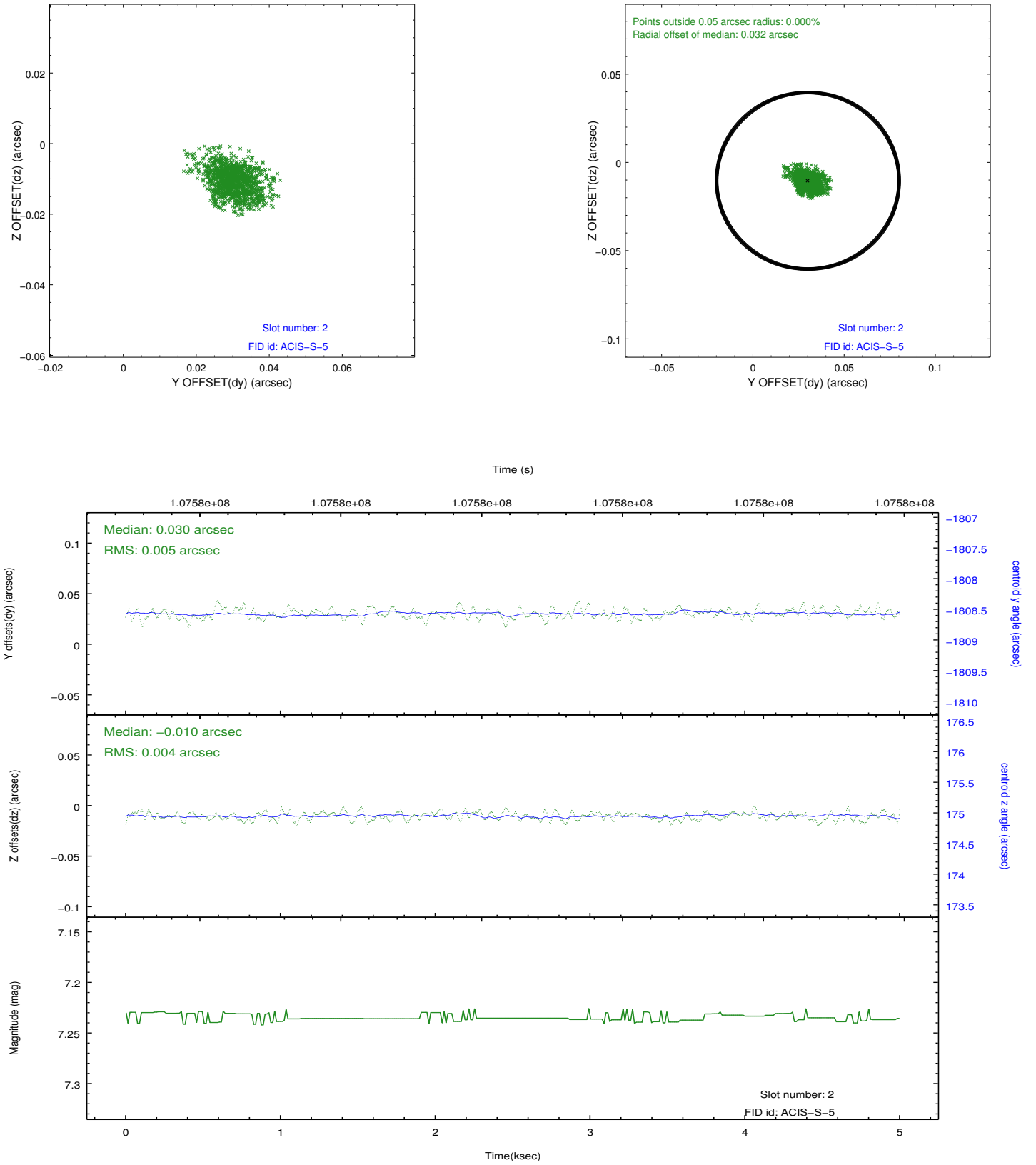
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.56

A.2 Comments