

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2111 - L2 Version 3
Chandra X-Ray Center

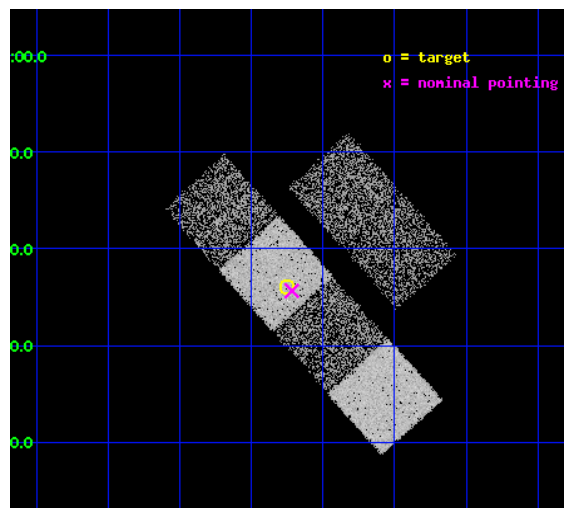
L2 Processing Date : Sep 16 2012

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1 Front

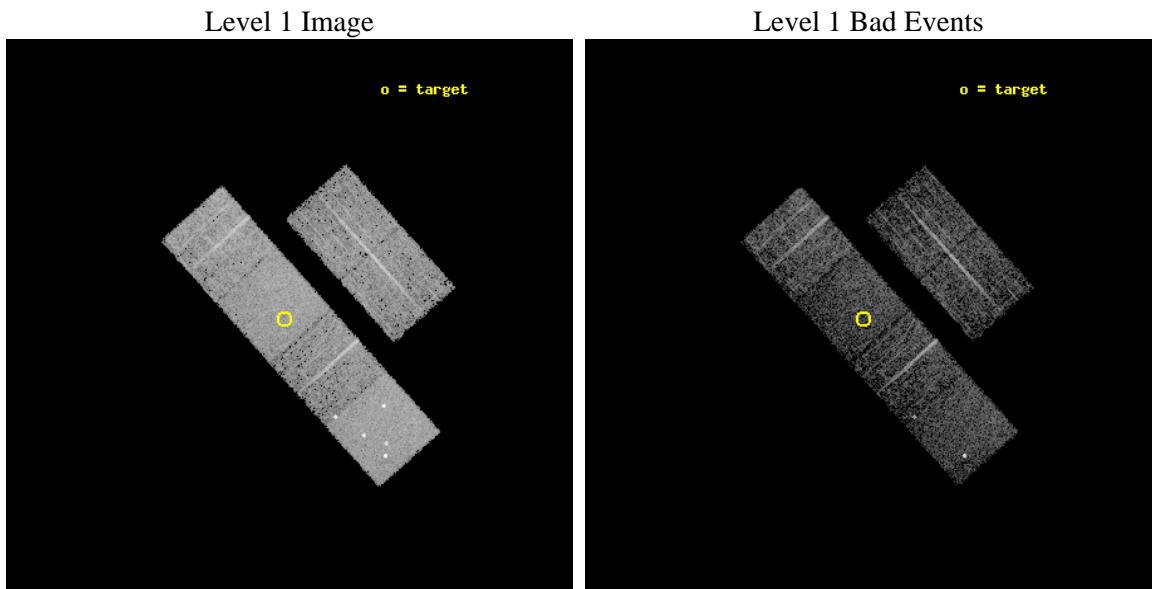
seq_num	700301	Sequence number
obs_id	2111	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOS FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 1442-0011	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.311667	Observer's specified target RA [deg]
dec_targ	-0.399611	Observer's specified target Dec [deg]
ra_nom	221.30406584303	Nominal RA [deg]
dec_nom	-0.40561686678334	Nominal Dec [deg]
roll_nom	228.12337026209	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4332.5920096487	Sum of GTIs [s]
livetime	4277.7301208488	Livetime [s]
ontime2	4332.633049652	Sum of GTIs [s]
ontime3	4332.4688896537	Sum of GTIs [s]
ontime5	4332.5509696454	Sum of GTIs [s]
ontime6	4332.509929657	Sum of GTIs [s]
ontime7	4332.5920096487	Sum of GTIs [s]
ontime8	4329.1867797226	Sum of GTIs [s]
l2events	41167	Number of level 2 events



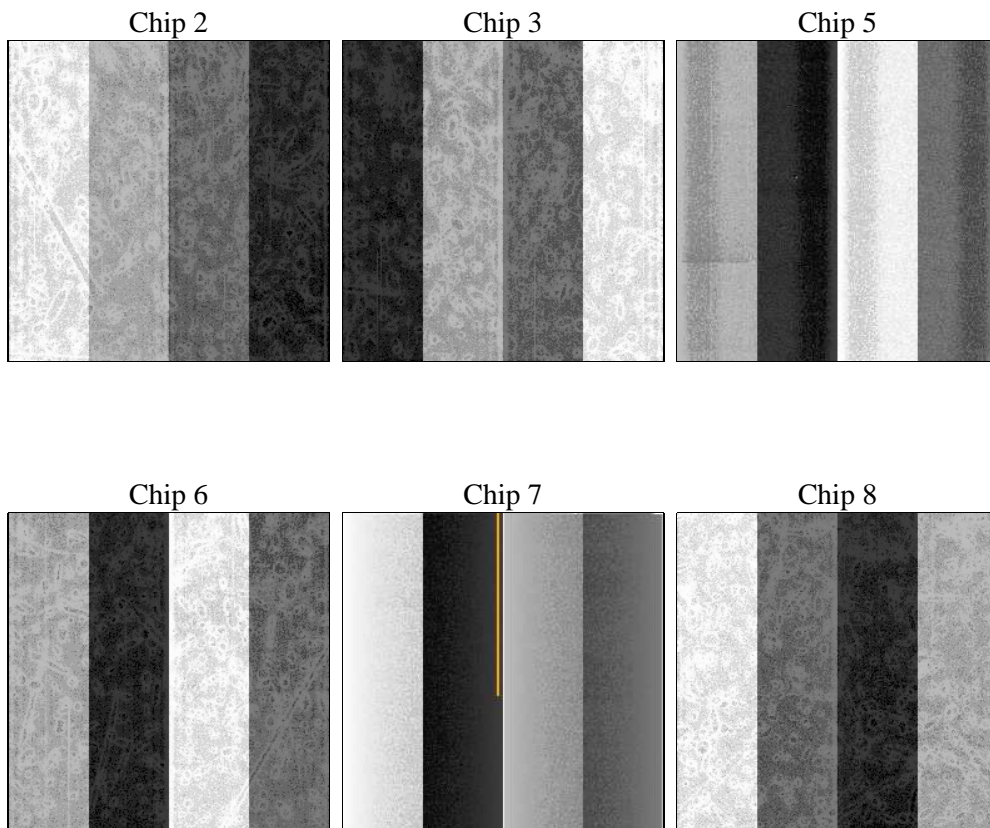
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4573.520000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4332.5920096487	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4332.633049652	Sum of GTIs [s]
date	2012-09-17T00:53:23	Date and time of file creation	ontime3	4332.4688896537	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4332.5509696454	Sum of GTIs [s]
			ontime6	4332.509929657	Sum of GTIs [s]
			ontime7	4332.5920096487	Sum of GTIs [s]
			ontime8	4329.1867797226	Sum of GTIs [s]
			l1events	191155	Number of level 1 events

2.1.4 Events

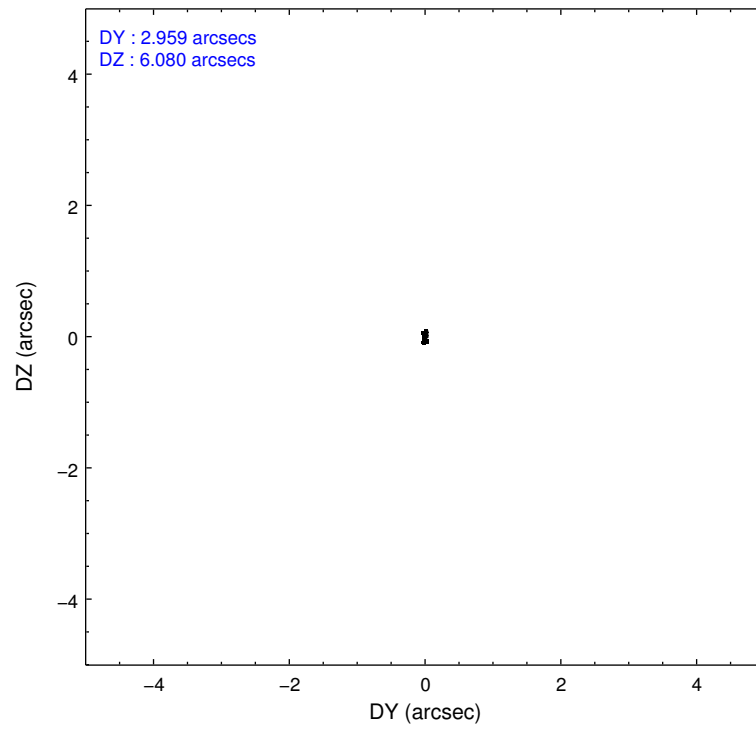
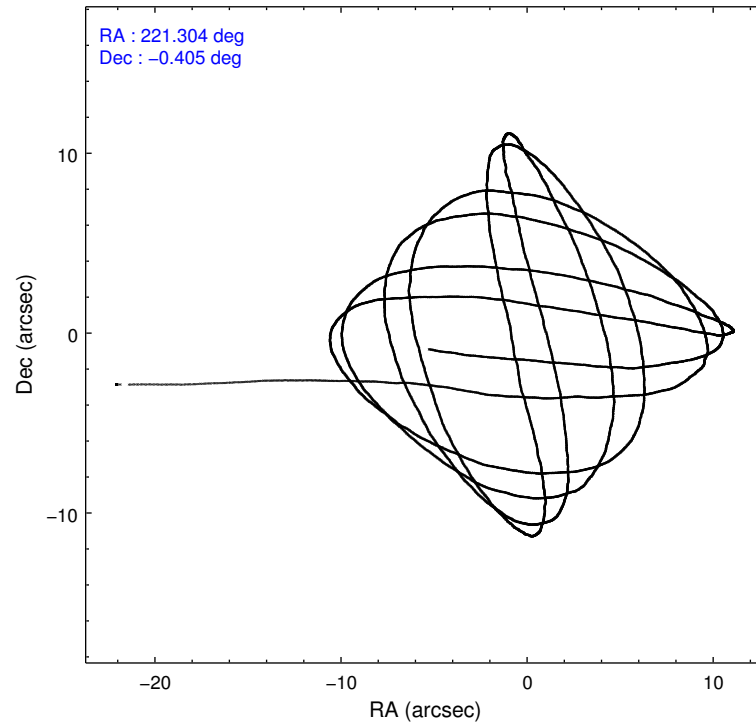
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26424	26072	41561	25477	34765	36856	grade 0 events	1363	1370	3925	1340	1452	1973
rejected events	23458	23023	21596	22335	20349	30410		5%	5%	9%	5%	4%	5%
rejected %	88%	88%	51%	87%	58%	82%	grade 1 events	10	11	139	14	38	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	609	569	5517	614	2869	1418
								2%	2%	13%	2%	8%	3%
							grade 3 events	261	306	817	327	1296	685
								0%	1%	1%	1%	3%	1%
							grade 4 events	242	276	669	273	1276	623
								0%	1%	1%	1%	3%	1%
							grade 5 events	920	993	3337	1093	3308	1457
								3%	3%	8%	4%	9%	3%
							grade 6 events	497	530	9047	590	7536	1751
								1%	2%	21%	2%	21%	4%
							grade 7 events	22522	22017	18110	21226	16990	28931
								85%	84%	43%	83%	48%	78%

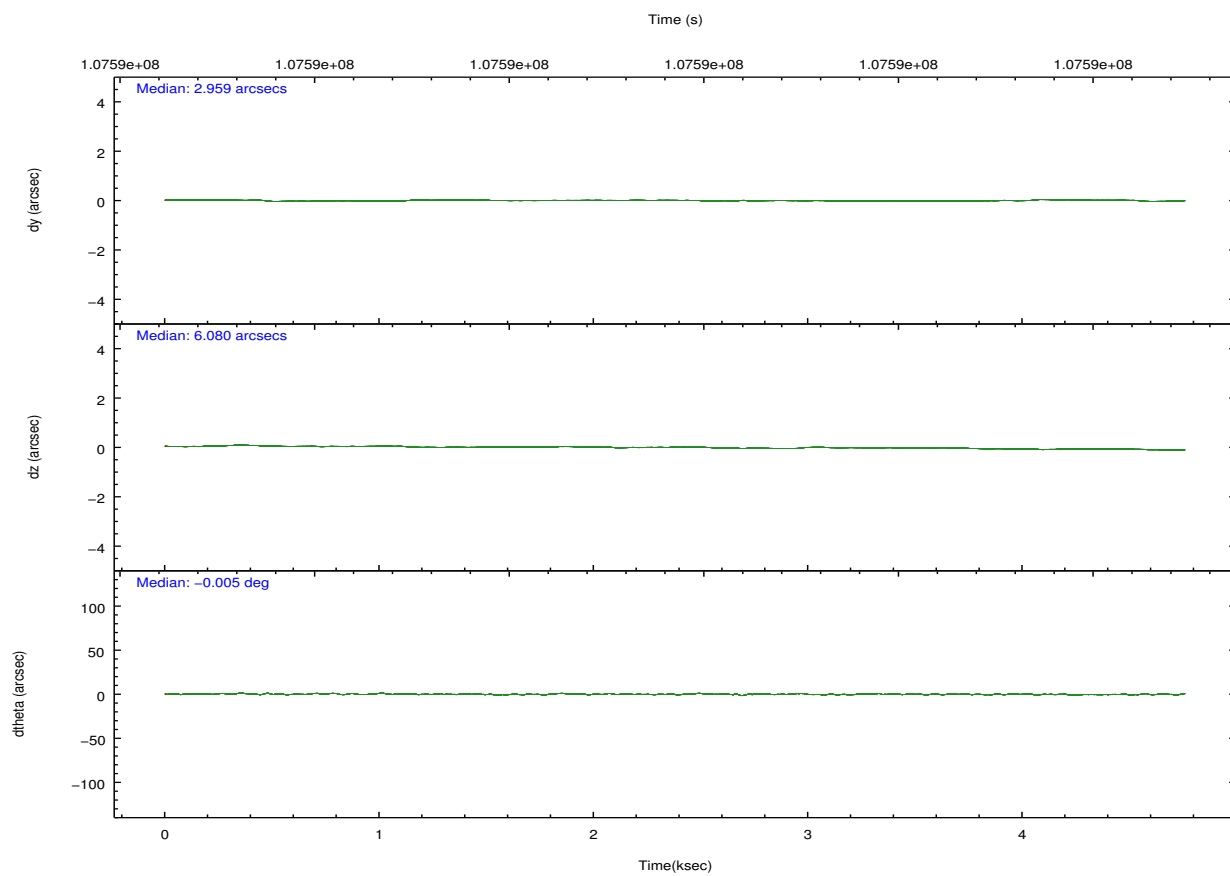
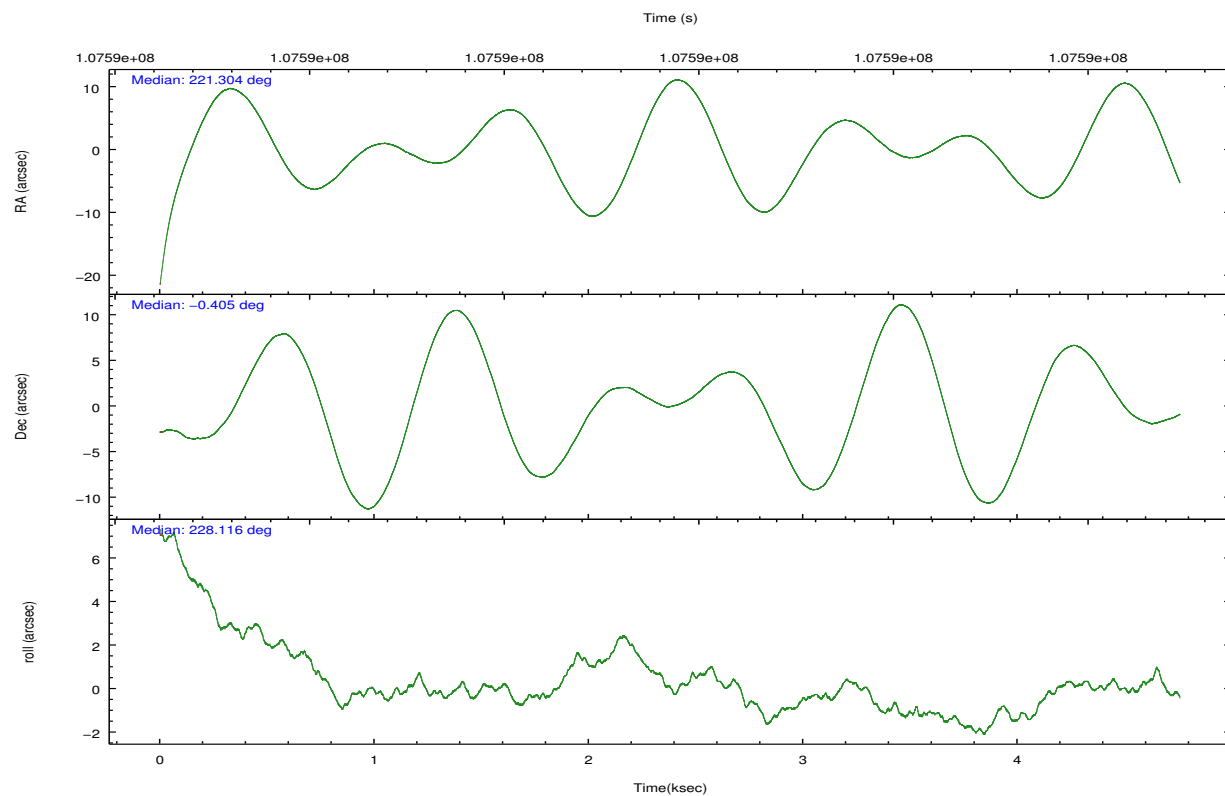
2.2 Compared Parameters

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	221.309295	221.3040658430339
[deg] Pointing Dec	-0.378848	-0.4056168667833404
[deg] Pointing Roll	227.966769	228.123370262094
[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)	107588660.184000	107587629.71215
Observation start date	2001-05-30T05:43:16	2001-05-30T05:27:09
[s] Observation end time (MET)	107593233.184000	107593547.54988
Observation end date	2001-05-30T06:59:29	2001-05-30T07:05:47
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



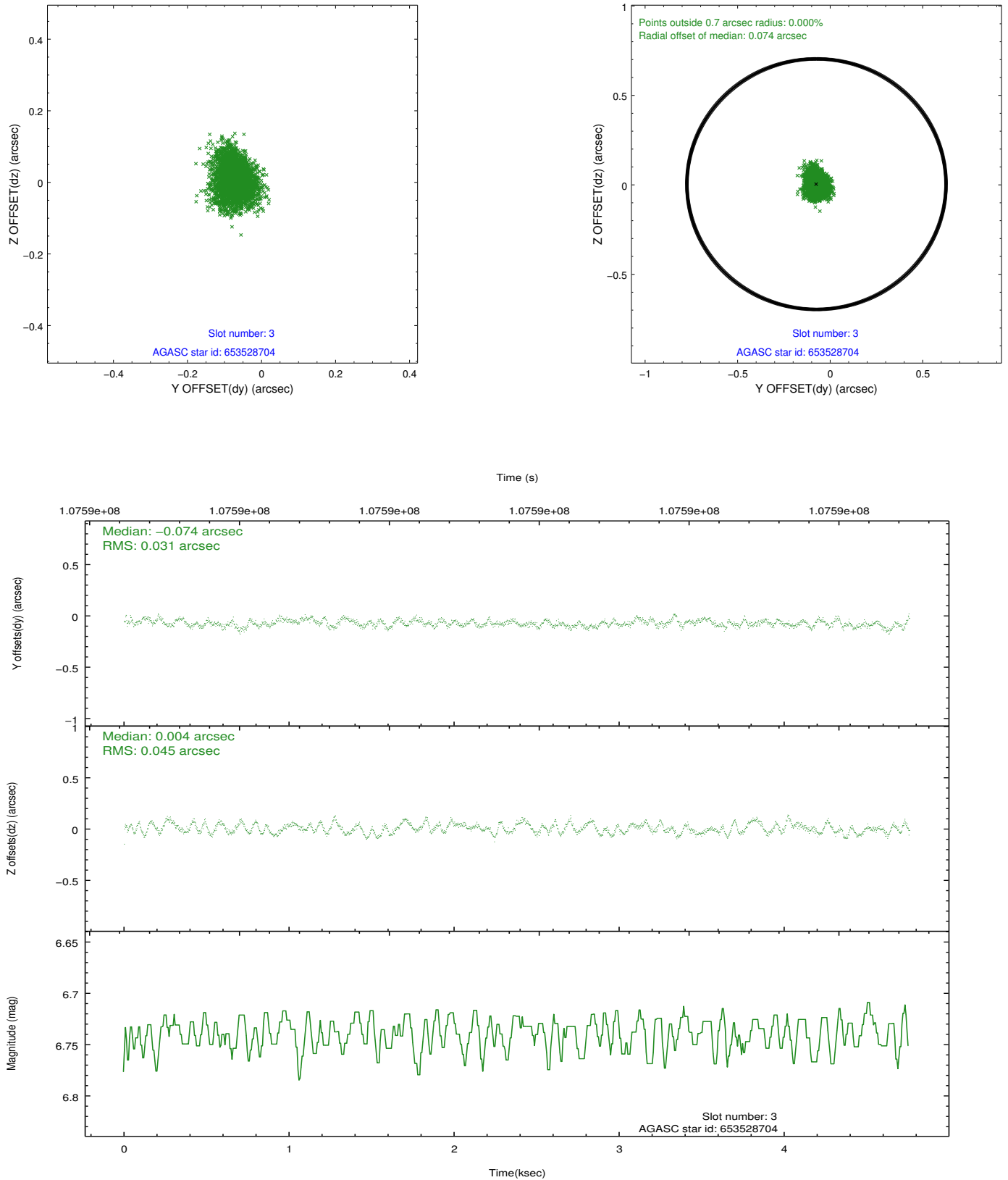


Slot Statistics

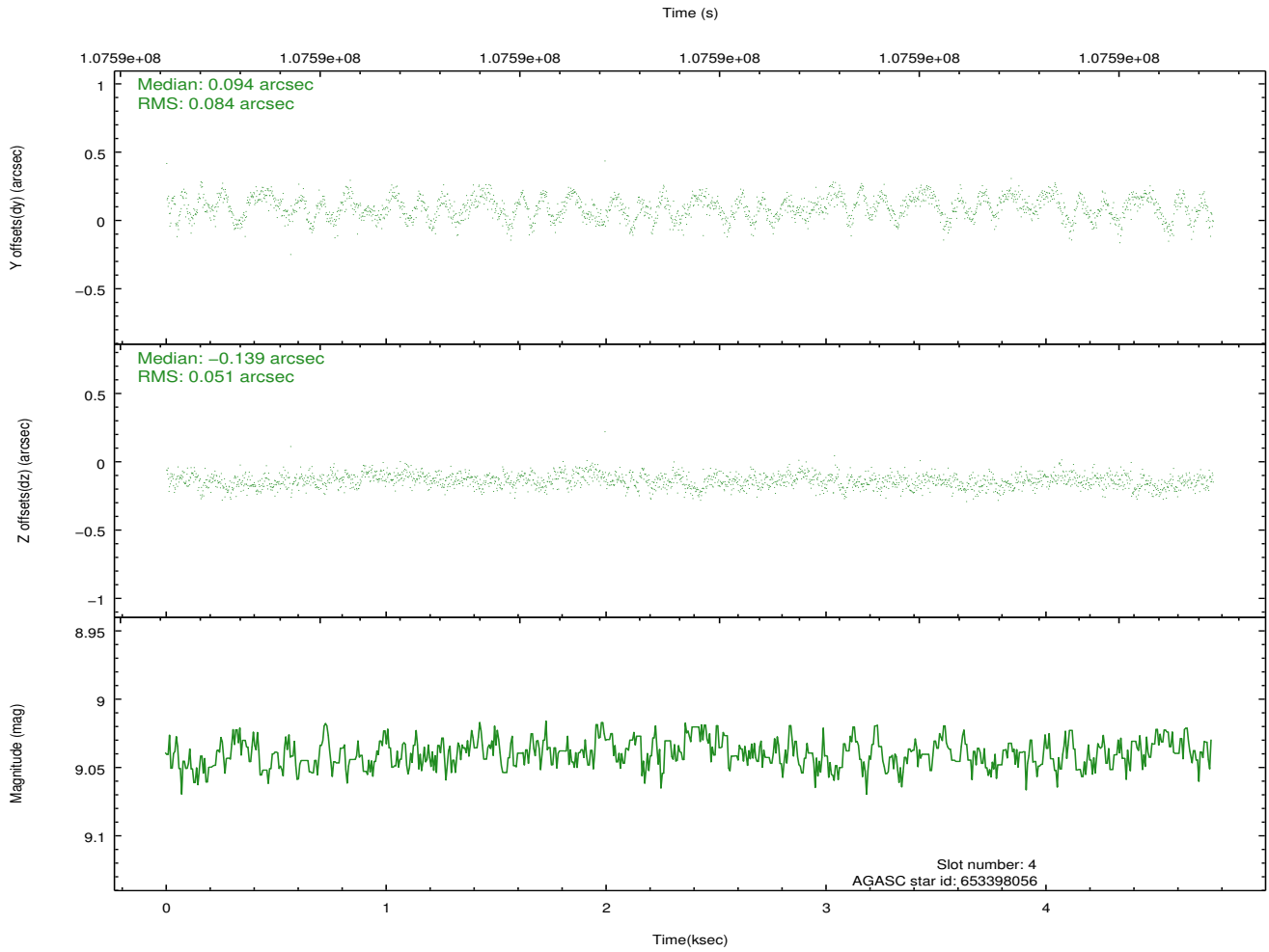
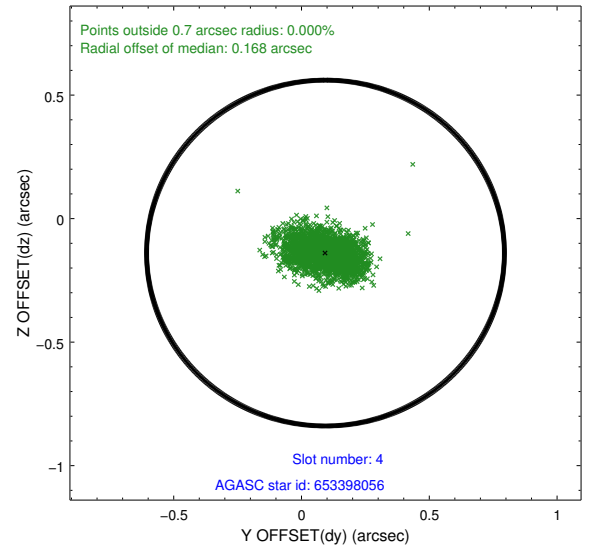
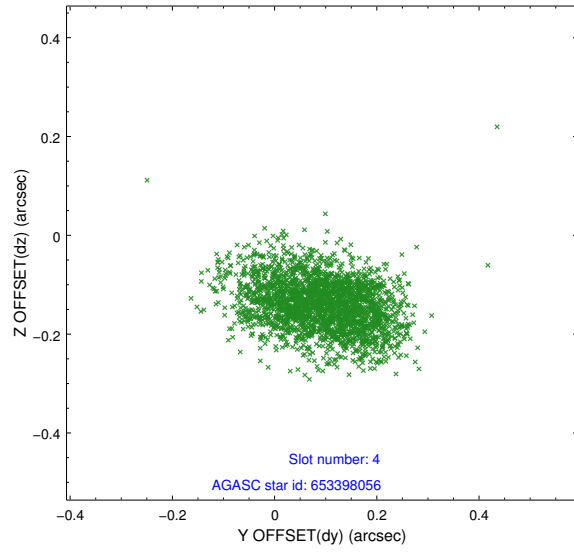
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1161	-0.023	0.014	0.007	0.011	0.000000	0.000000	-755.59	-1727.22
1	FID	ACIS-S-4	7.20	1161	-0.042	0.007	0.006	0.010	0.000000	0.000000	2157.05	179.99
2	FID	ACIS-S-5	7.24	1161	0.033	-0.012	0.007	0.011	0.000000	0.000000	-1806.75	175.03
3	GUIDE	653528704	6.74	2322	-0.074	0.004	0.059	0.091	221.574190	-0.833772	579.29	1804.39
4	GUIDE	653398056	9.04	2319	0.094	-0.139	0.104	0.167	220.410402	-0.433838	2316.19	-2270.49
5	GUIDE	653530448	9.58	2318	0.000	0.010	0.089	0.143	221.252982	-0.577470	669.39	326.84
6	GUIDE	42734152	9.16	2322	-0.072	0.018	0.099	0.157	220.942067	0.047440	-252.36	-2009.96
7	GUIDE	653527640	9.44	2316	0.057	0.103	0.086	0.137	221.265613	-1.097844	2029.20	1615.35

2.4 Star Slots

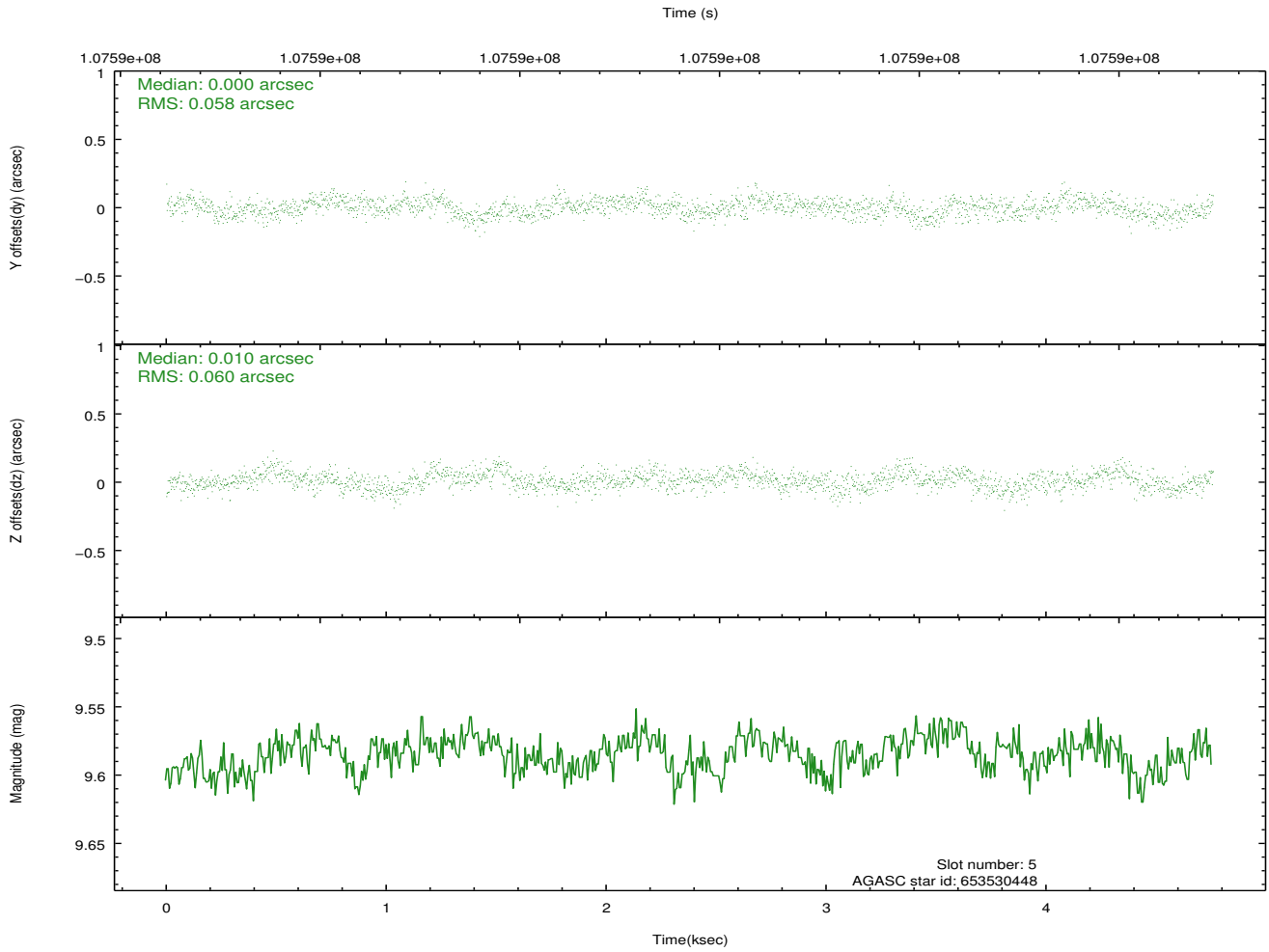
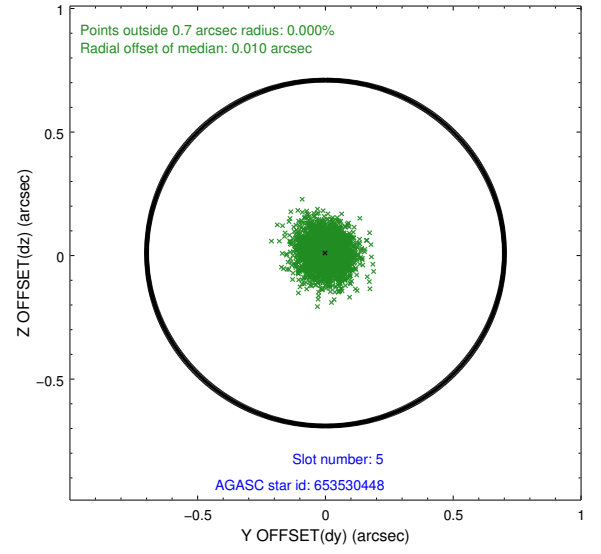
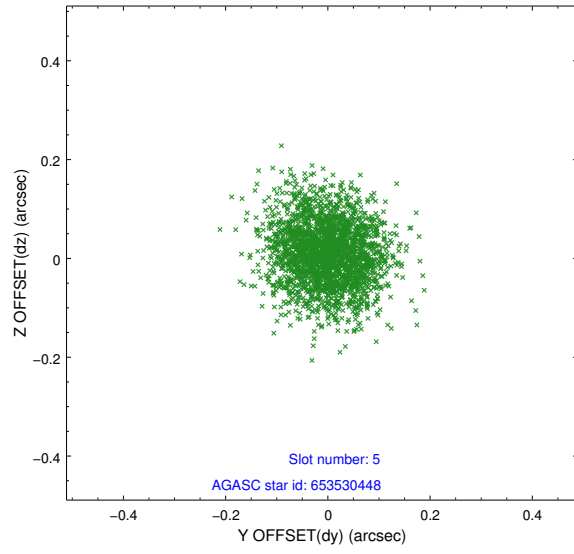
2.4.1 Slot 3



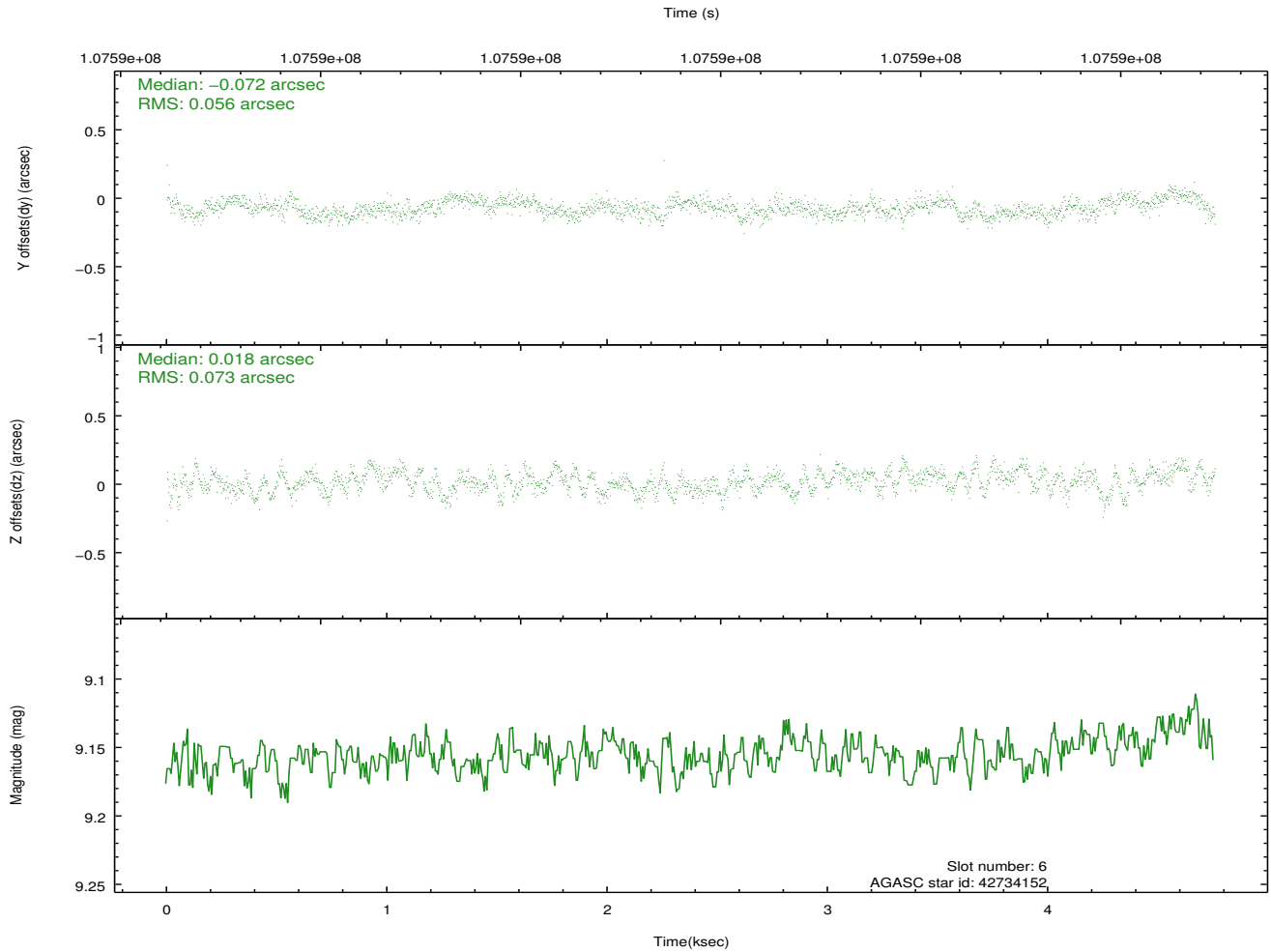
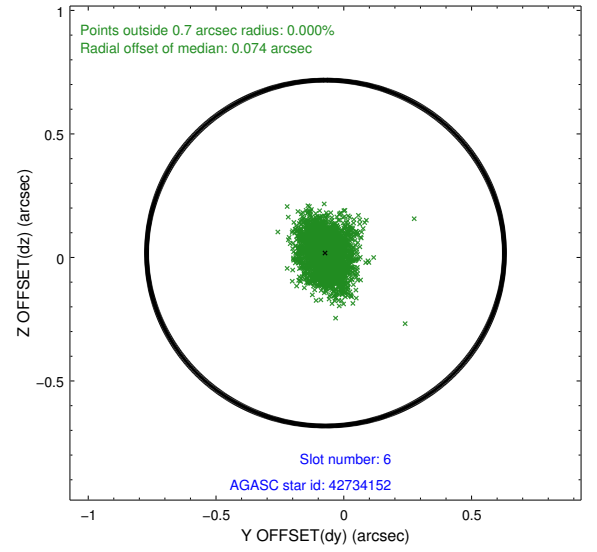
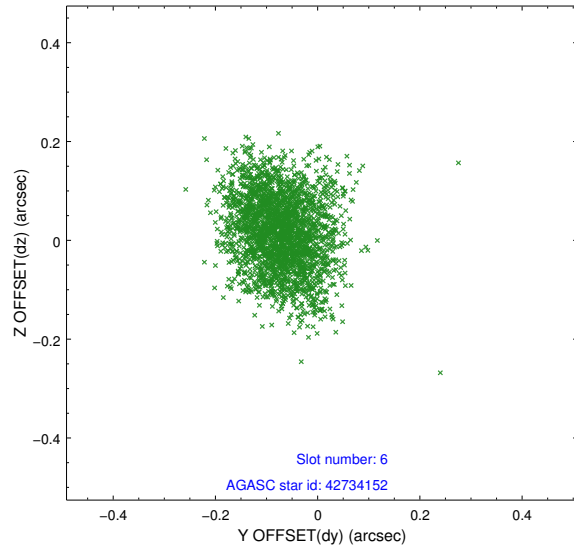
2.4.2 Slot 4



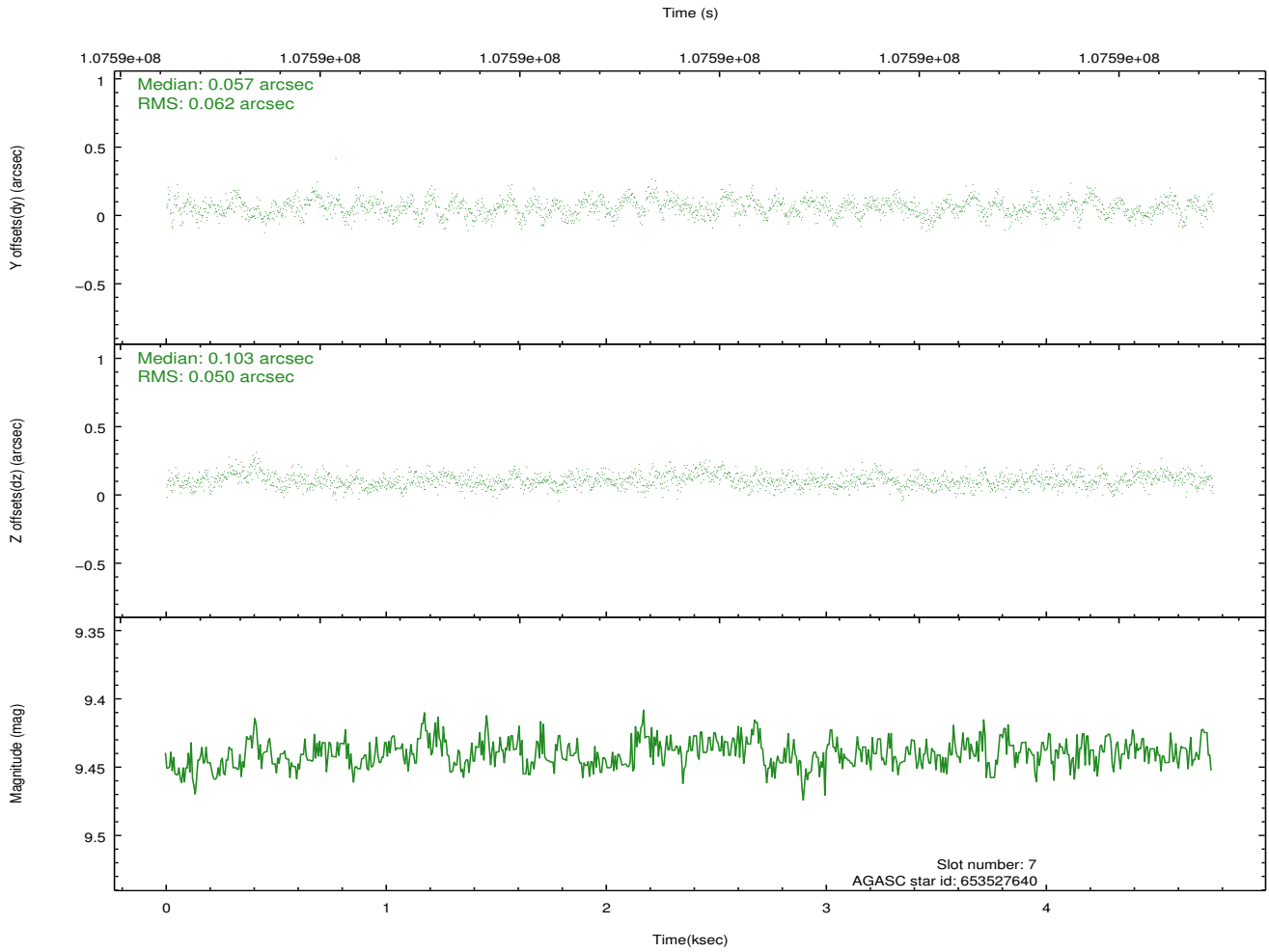
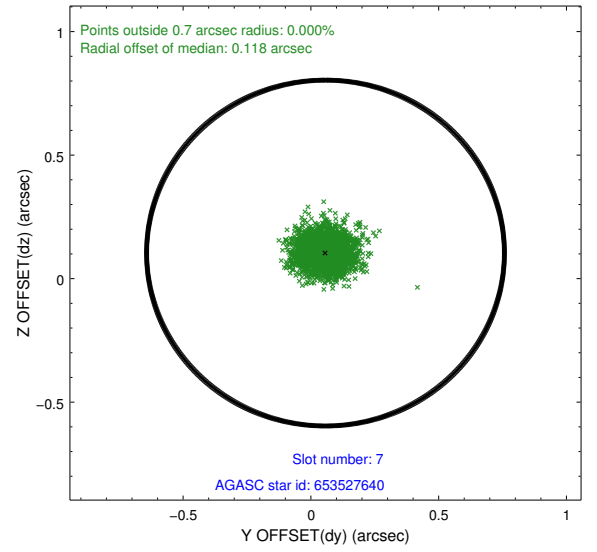
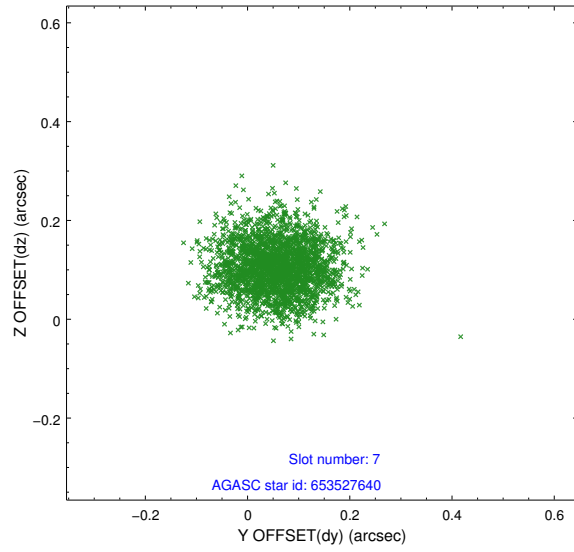
2.4.3 Slot 5



2.4.4 Slot 6

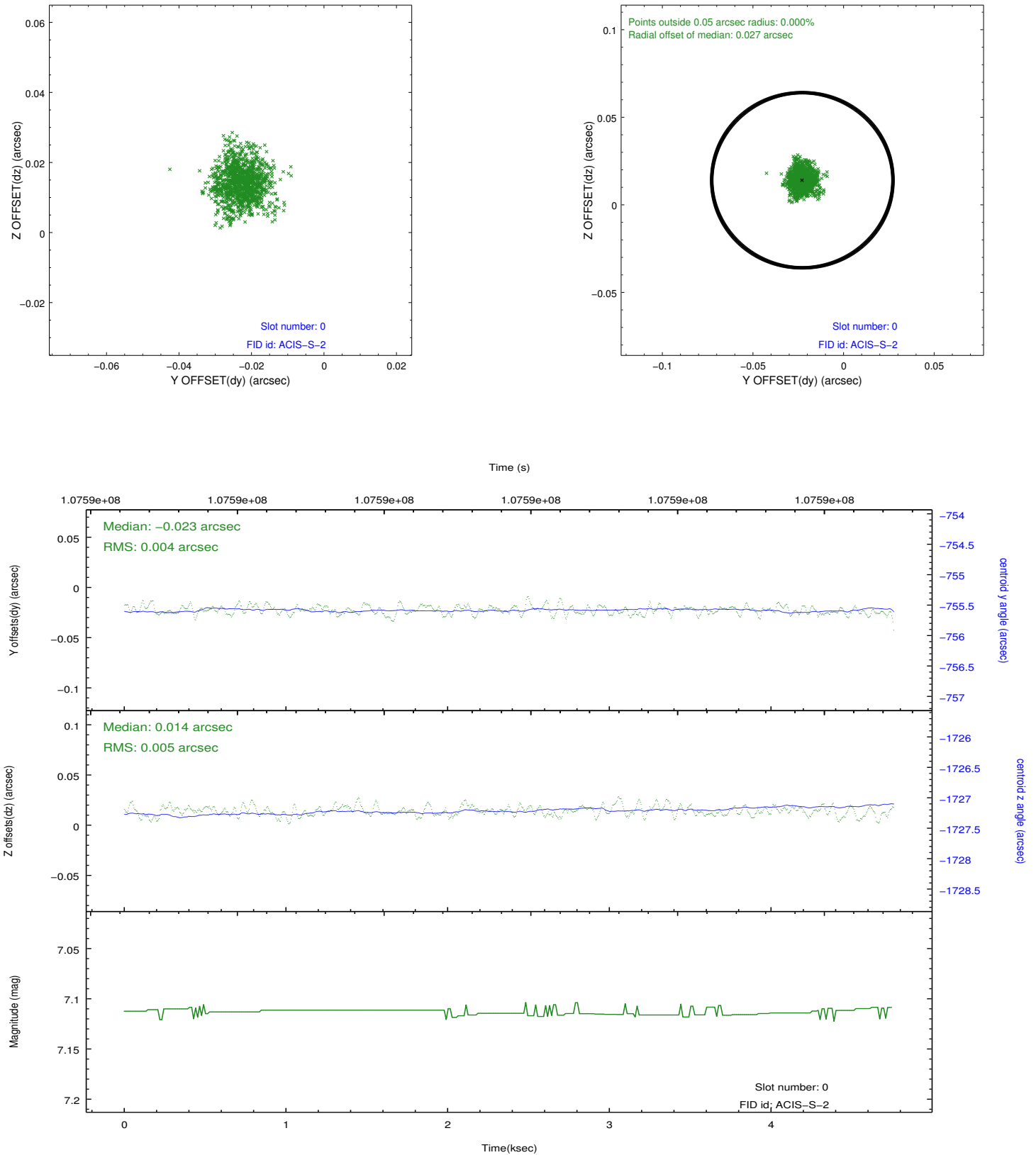


2.4.5 Slot 7

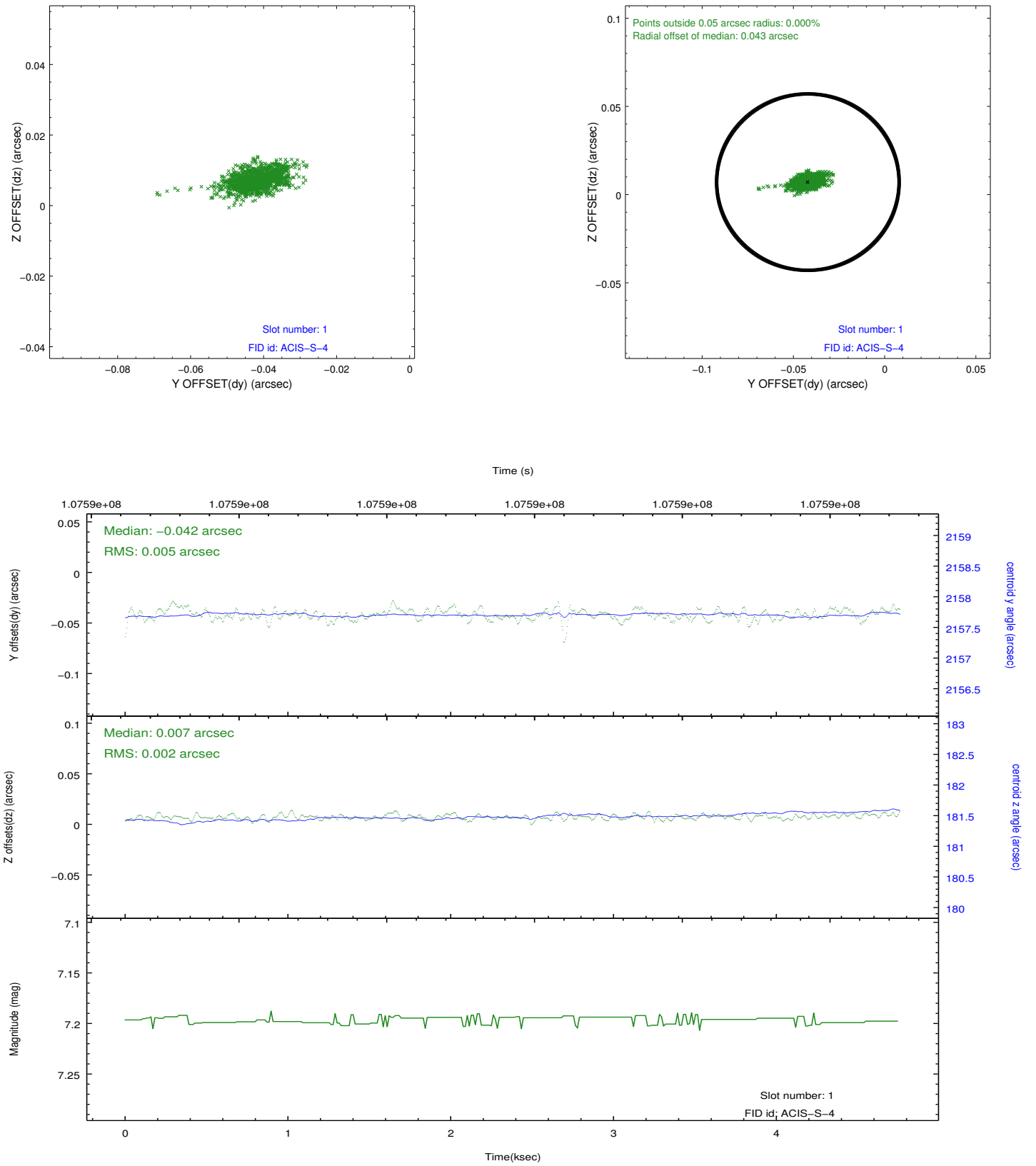


2.5 FID Slots

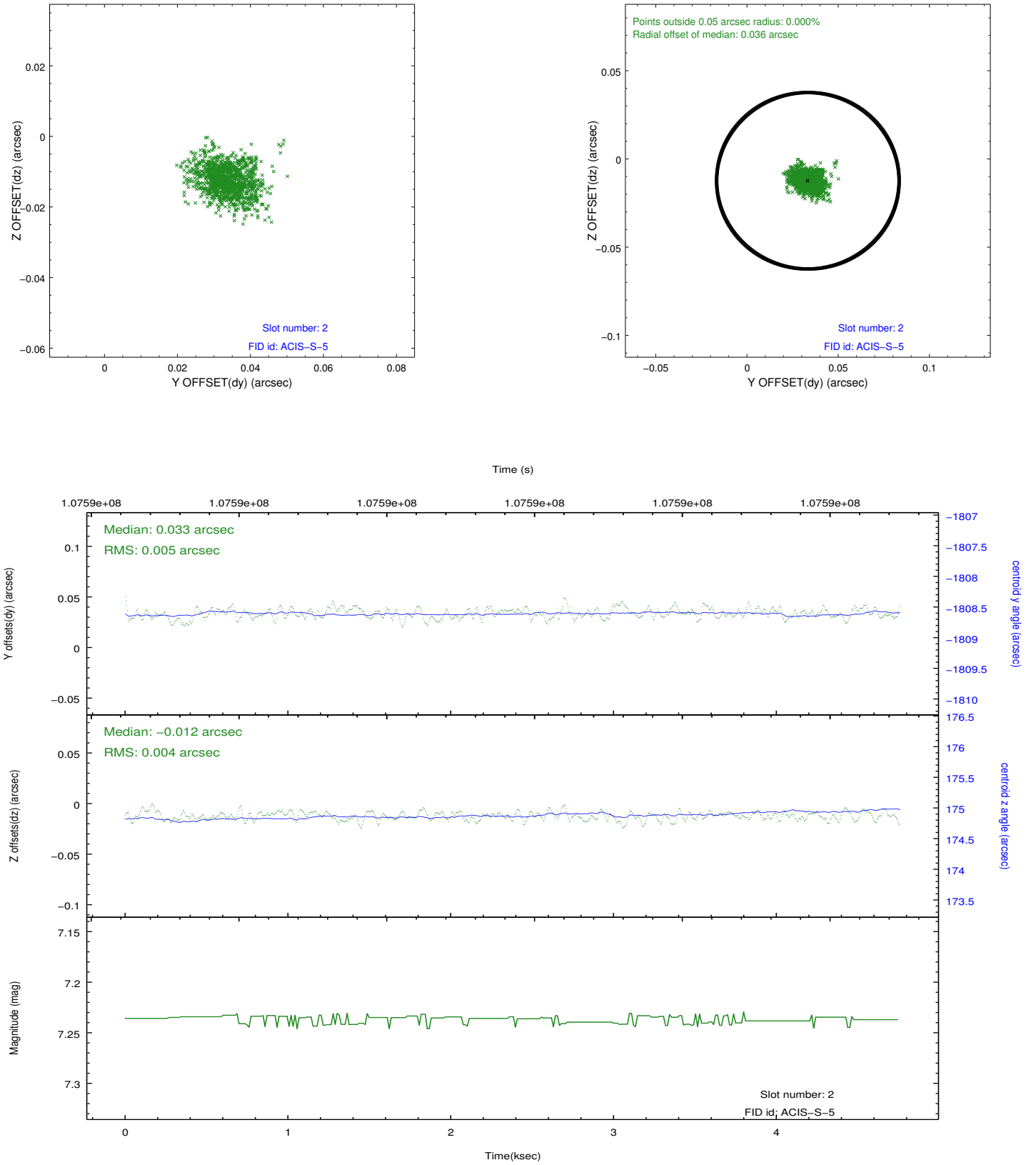
2.5.1 Slot 0



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	4.332

A.2 Comments