

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11342 - L2 Version 2
Chandra X-Ray Center

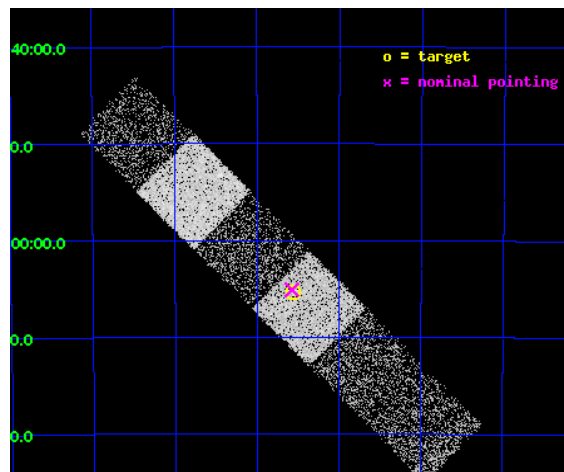
L2 Processing Date : Jun 29 2012

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1 Front

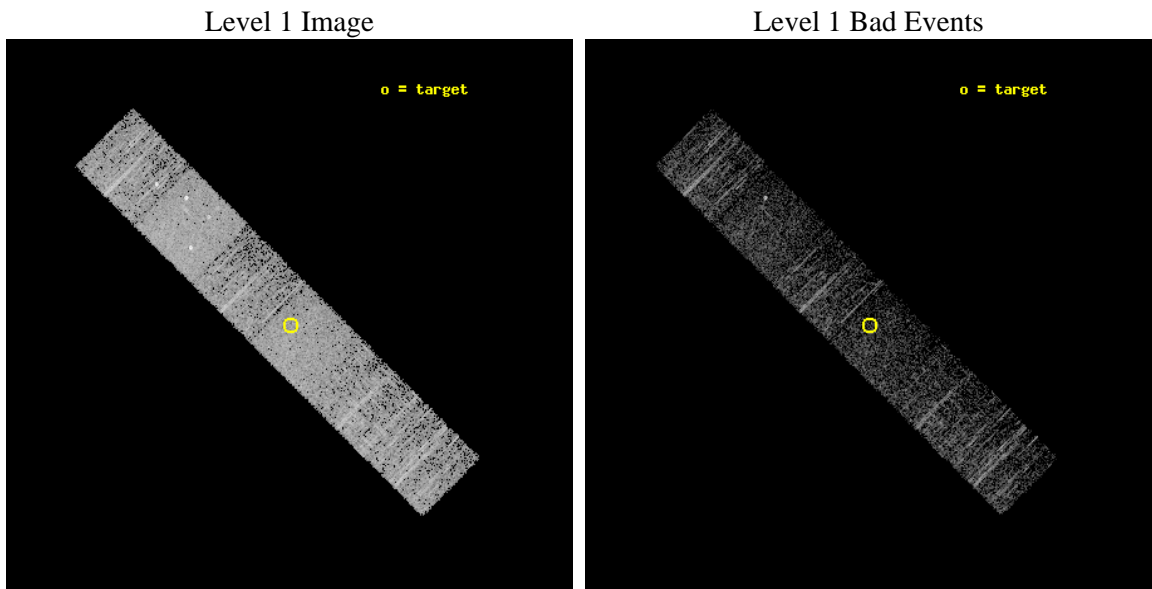
seq_num	600861	Sequence number
obs_id	11342	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC064718	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	306.892	Observer's specified target RA [deg]
dec_targ	-55.08995	Observer's specified target Dec [deg]
ra_nom	306.89414396216	Nominal RA [deg]
dec_nom	-55.085296628202	Nominal Dec [deg]
roll_nom	44.874593646688	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2047.1382589936	Sum of GTIs [s]
livetime	2021.2161617196	Livetime [s]
ontime4	2047.1792989969	Sum of GTIs [s]
ontime5	2047.0972189903	Sum of GTIs [s]
ontime6	2047.056178987	Sum of GTIs [s]
ontime7	2047.1382589936	Sum of GTIs [s]
ontime8	2047.0151389837	Sum of GTIs [s]
ontime9	2046.9740989804	Sum of GTIs [s]
l2events	25221	Number of level 2 events



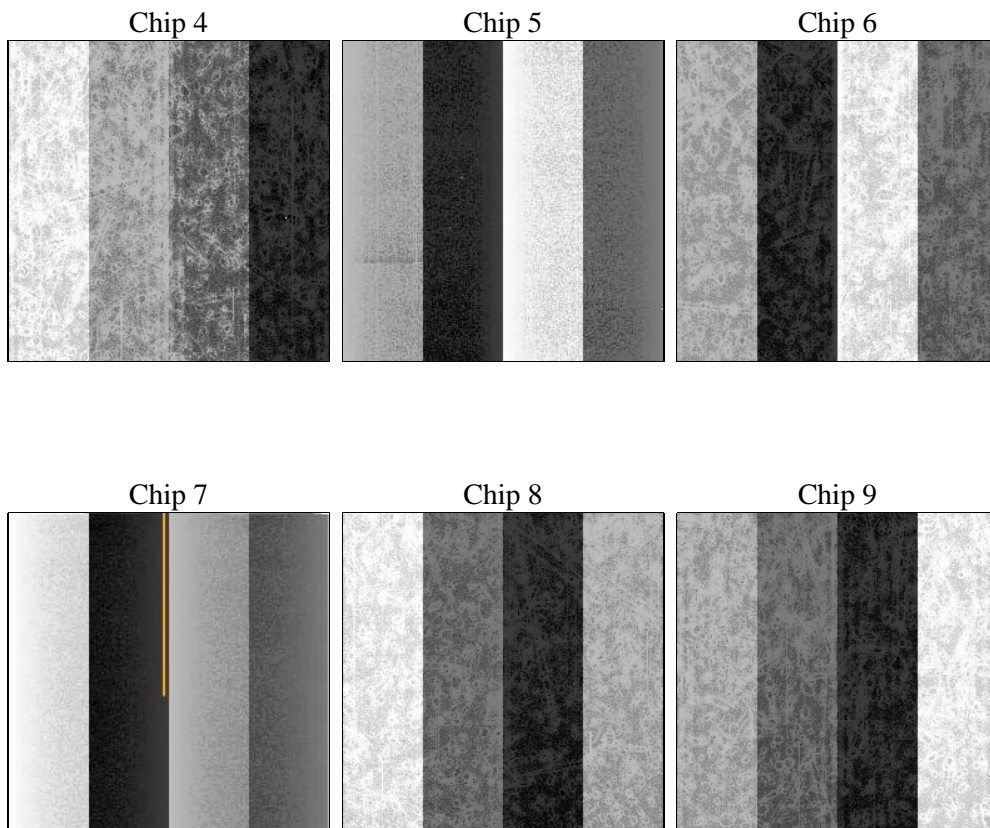
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2047.1382589936	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	2047.1792989969	Sum of GTIs [s]
date	2012-06-29T09:37:28	Date and time of file creation	ontime5	2047.0972189903	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2047.056178987	Sum of GTIs [s]
			ontime7	2047.1382589936	Sum of GTIs [s]
			ontime8	2047.0151389837	Sum of GTIs [s]
			ontime9	2046.9740989804	Sum of GTIs [s]
			l1events	112617	Number of level 1 events

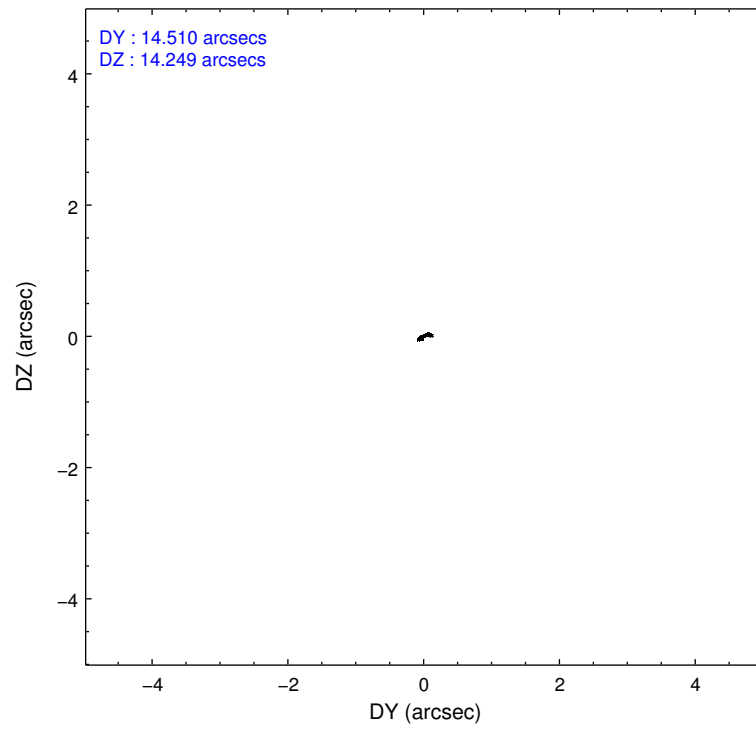
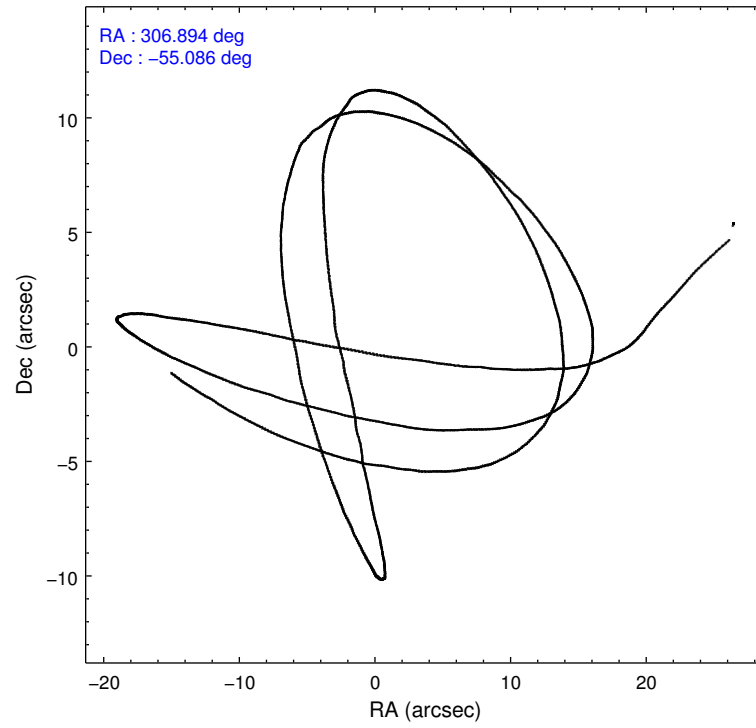
2.1.4 Events

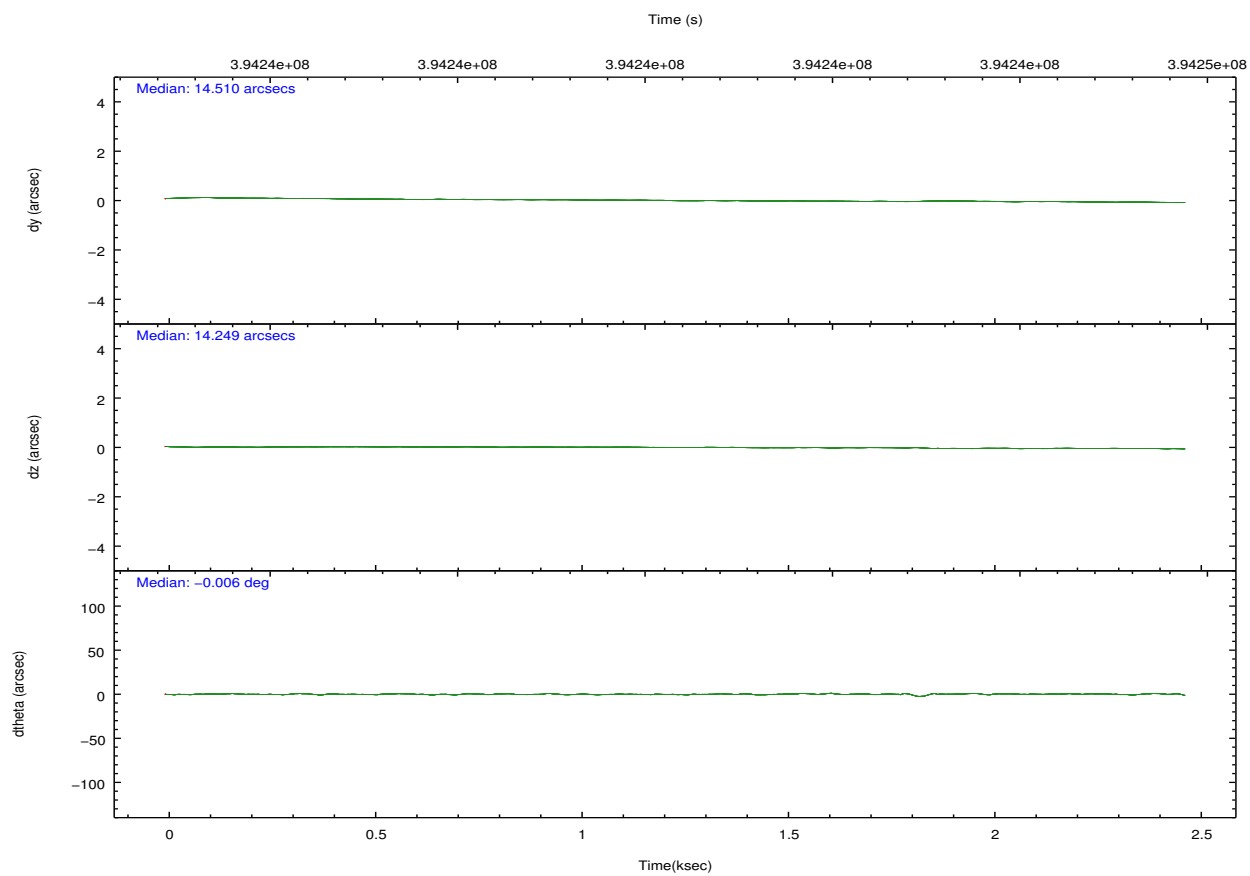
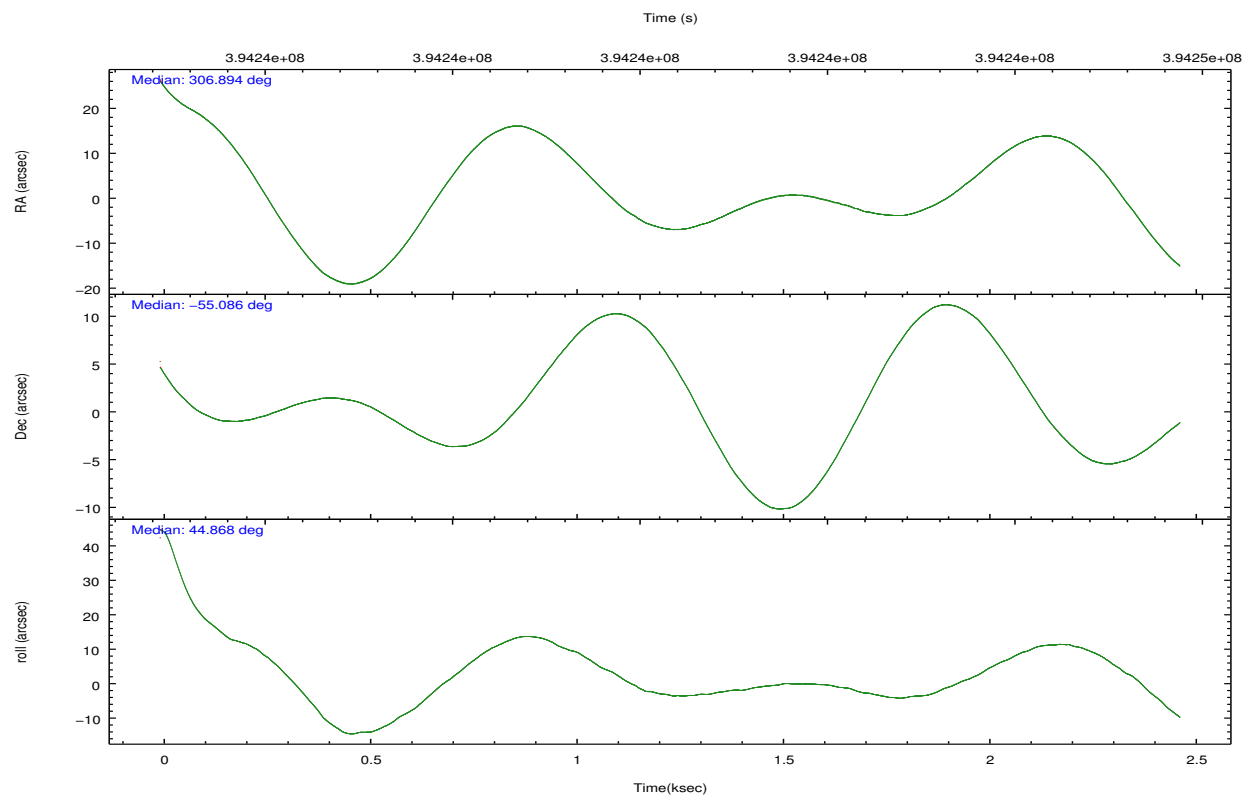
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	18094	24347	15540	18927	18622	17087	grade 0 events	1099	1750	582	751	1465	721
rejected events	15924	12052	13850	10486	13572	15199		6%	7%	3%	3%	7%	4%
rejected %	88%	49%	89%	55%	72%	88%	grade 1 events	24	257	5	23	10	10
								0%	1%	0%	0%	0%	0%
							grade 2 events	418	3593	375	1729	1227	403
								2%	14%	2%	9%	6%	2%
							grade 3 events	178	463	186	730	493	190
								0%	1%	1%	3%	2%	1%
							grade 4 events	193	462	178	741	508	178
								1%	1%	1%	3%	2%	1%
							grade 5 events	667	1748	692	1988	976	771
								3%	7%	4%	10%	5%	4%
							grade 6 events	286	6054	370	4500	1363	397
								1%	24%	2%	23%	7%	2%
							grade 7 events	15229	10020	13152	8465	12580	14417
								84%	41%	84%	44%	67%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	306.882127	306.8941439621582	CCD I2 on	N	N
[deg] Pointing Dec	-55.111739	-55.0852966282022	CCD I3 on	N	N
[deg] Pointing Roll	44.708012	44.87459364668815	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	394243308.184000	394242013.11412	CCD S5 on	O2	Y
Observation start date	2010-06-30T00:00:42	2010-06-29T23:40:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	394245308.184000	394246225.35183	On-chip summing requested	N	N
Observation end date	2010-06-30T00:34:02	2010-06-30T00:50:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



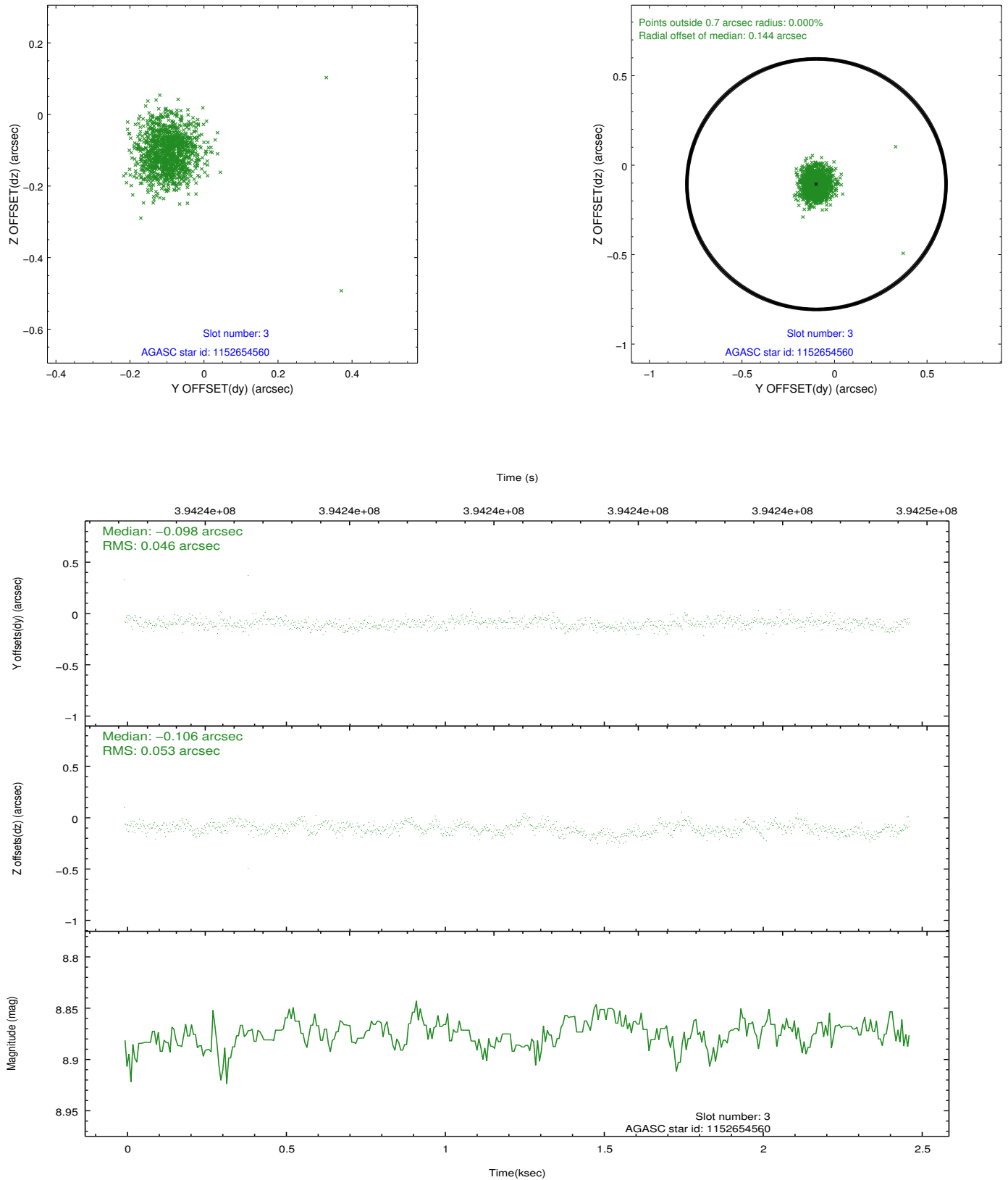


Slot Statistics

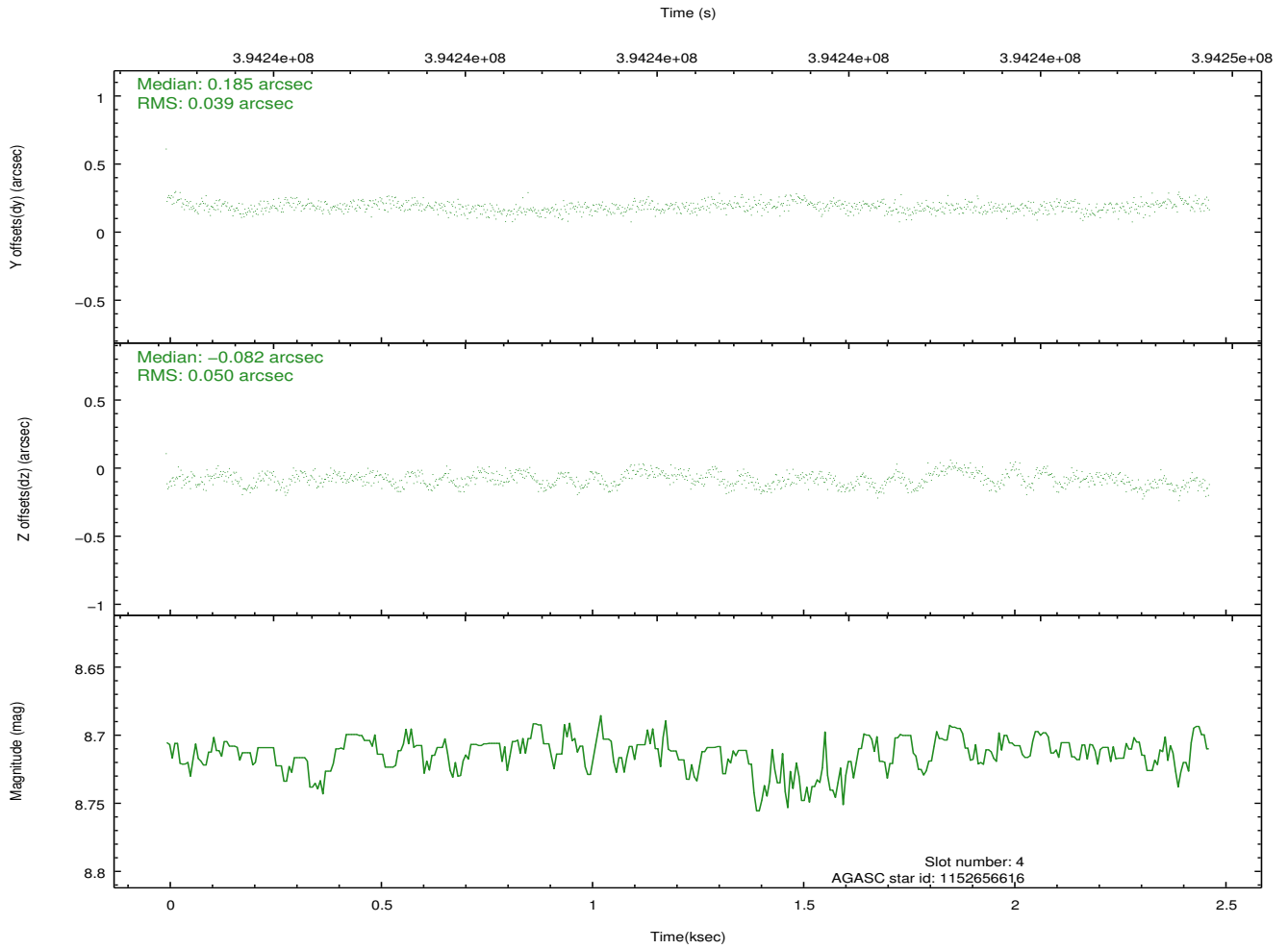
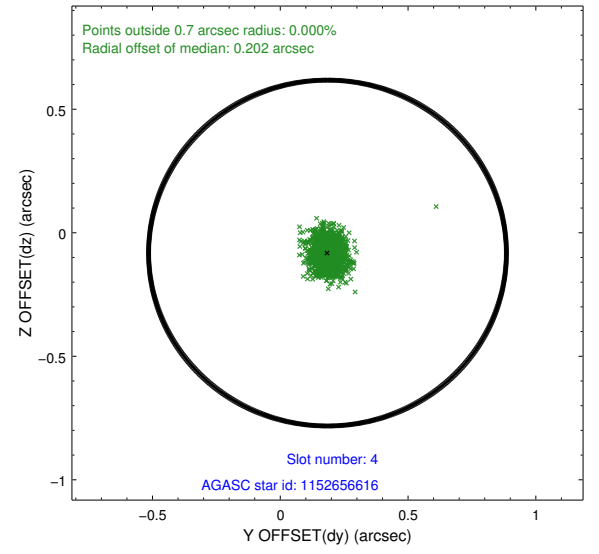
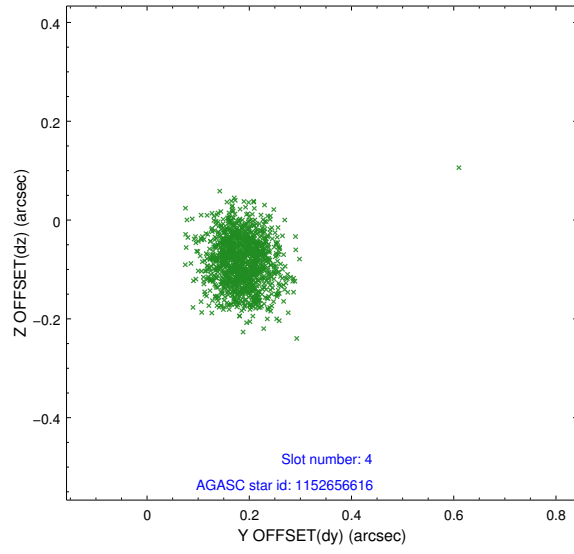
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.04	603	0.071	-0.027	0.007	0.012	0.000000	0.000000	928.64	-1731.25
1	FID	ACIS-S-5	7.08	603	-0.179	0.036	0.006	0.011	0.000000	0.000000	-1819.16	163.64
2	FID	ACIS-S-6	7.20	603	0.087	0.002	0.007	0.011	0.000000	0.000000	391.35	810.54
3	GUIDE	1152654560	8.87	1202	-0.098	-0.106	0.072	0.115	307.117919	-54.599292	1646.65	964.57
4	GUIDE	1152656616	8.71	1205	0.185	-0.082	0.067	0.107	307.152361	-55.339501	-182.51	-971.48
5	GUIDE	1152659864	7.71	1205	-0.069	0.102	0.061	0.095	307.108742	-55.177481	164.23	-496.81
6	GUIDE	1152658680	9.16	1206	0.094	0.079	0.112	0.180	307.365168	-55.795126	-1037.72	-2438.50
7	GUIDE	1152659408	9.26	1202	-0.113	0.010	0.105	0.172	308.146574	-55.340745	1242.74	-2424.99

2.4 Star Slots

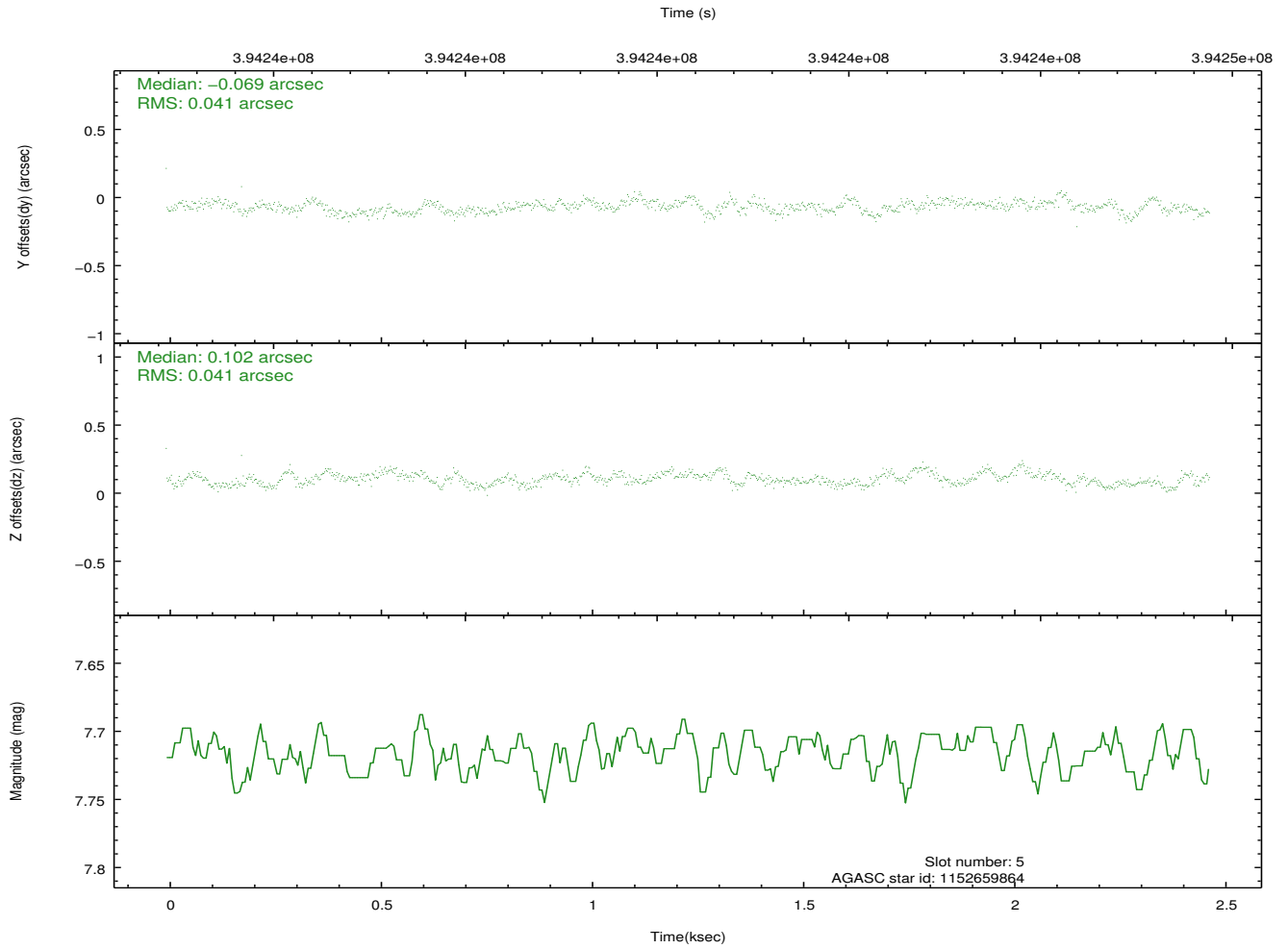
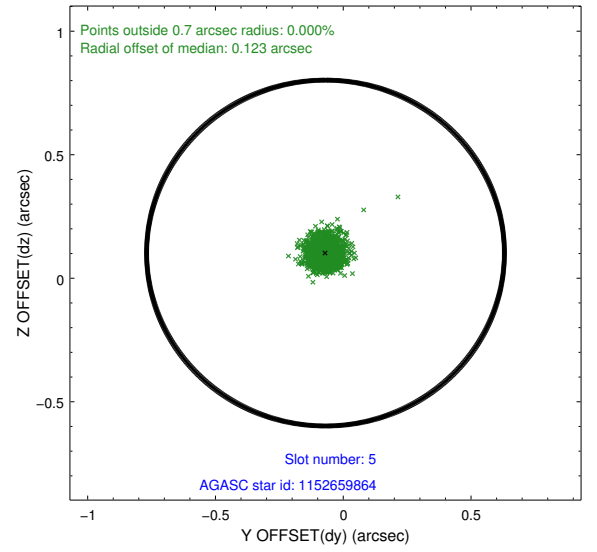
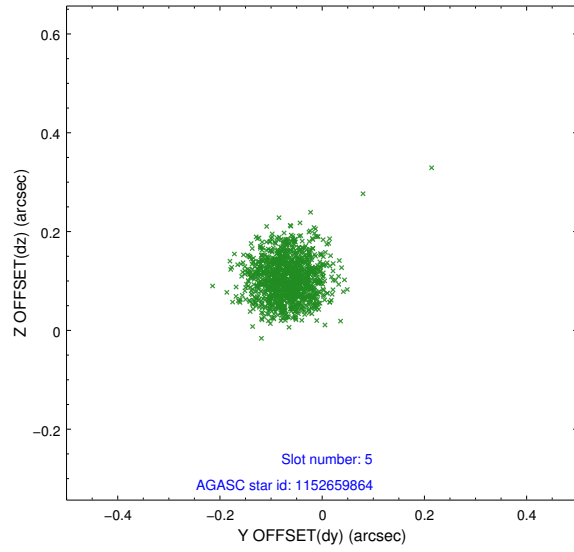
2.4.1 Slot 3



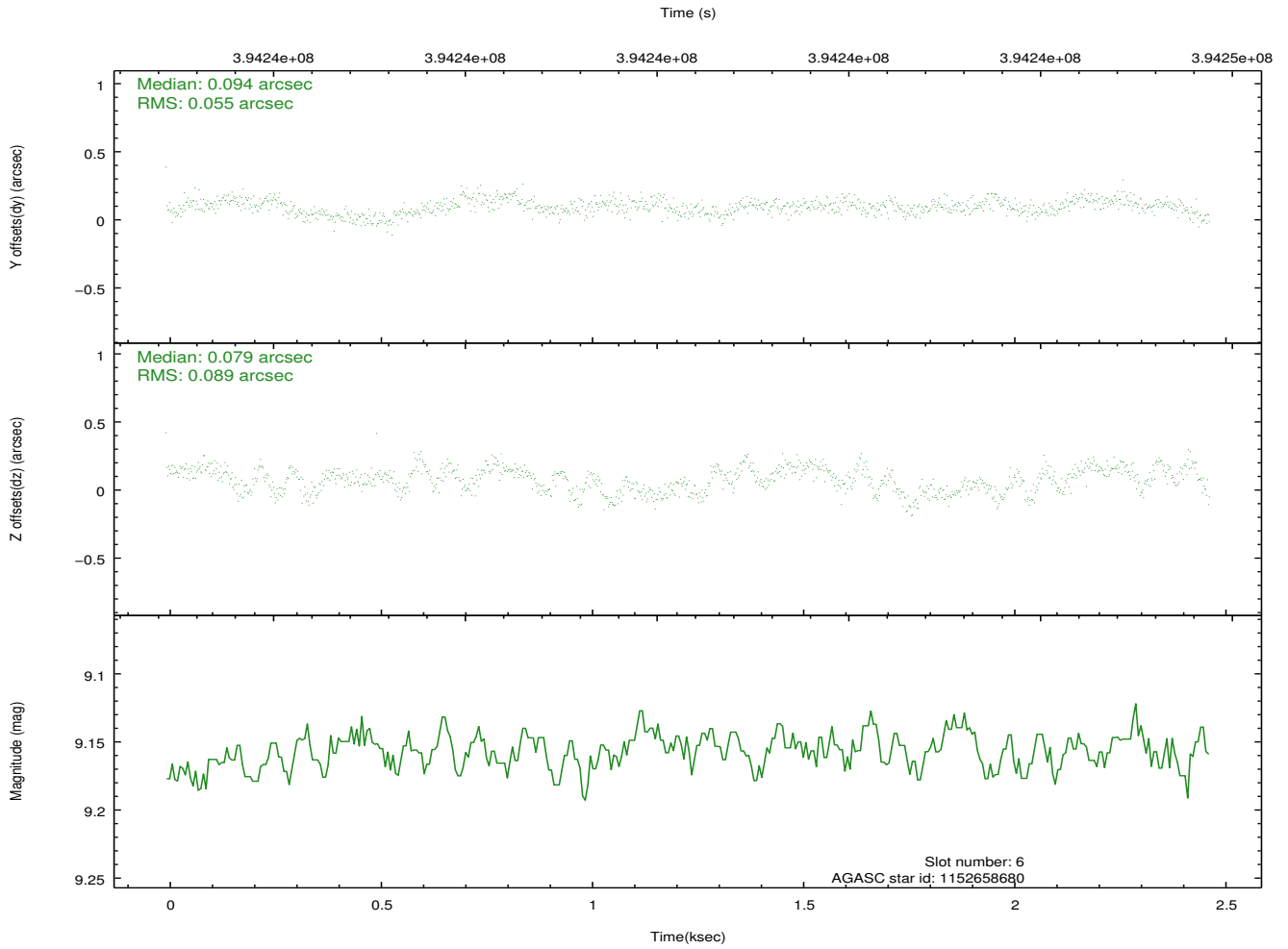
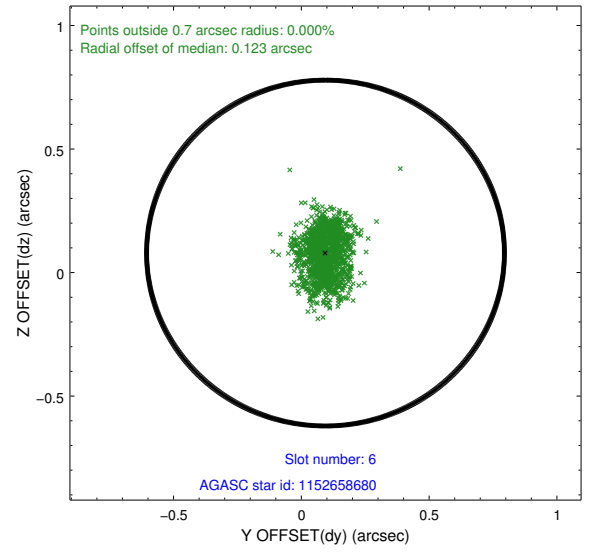
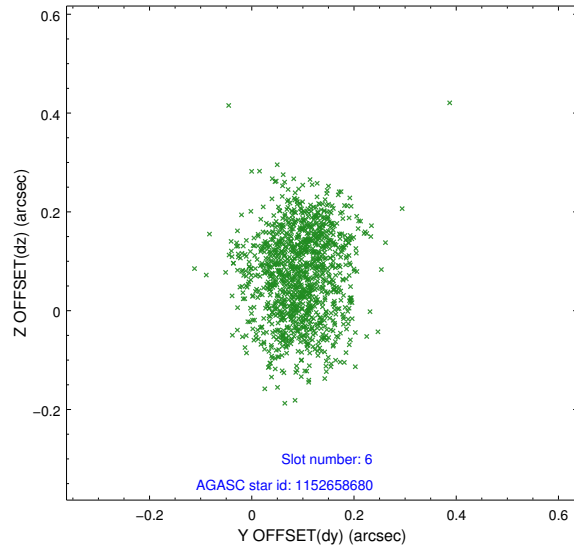
2.4.2 Slot 4



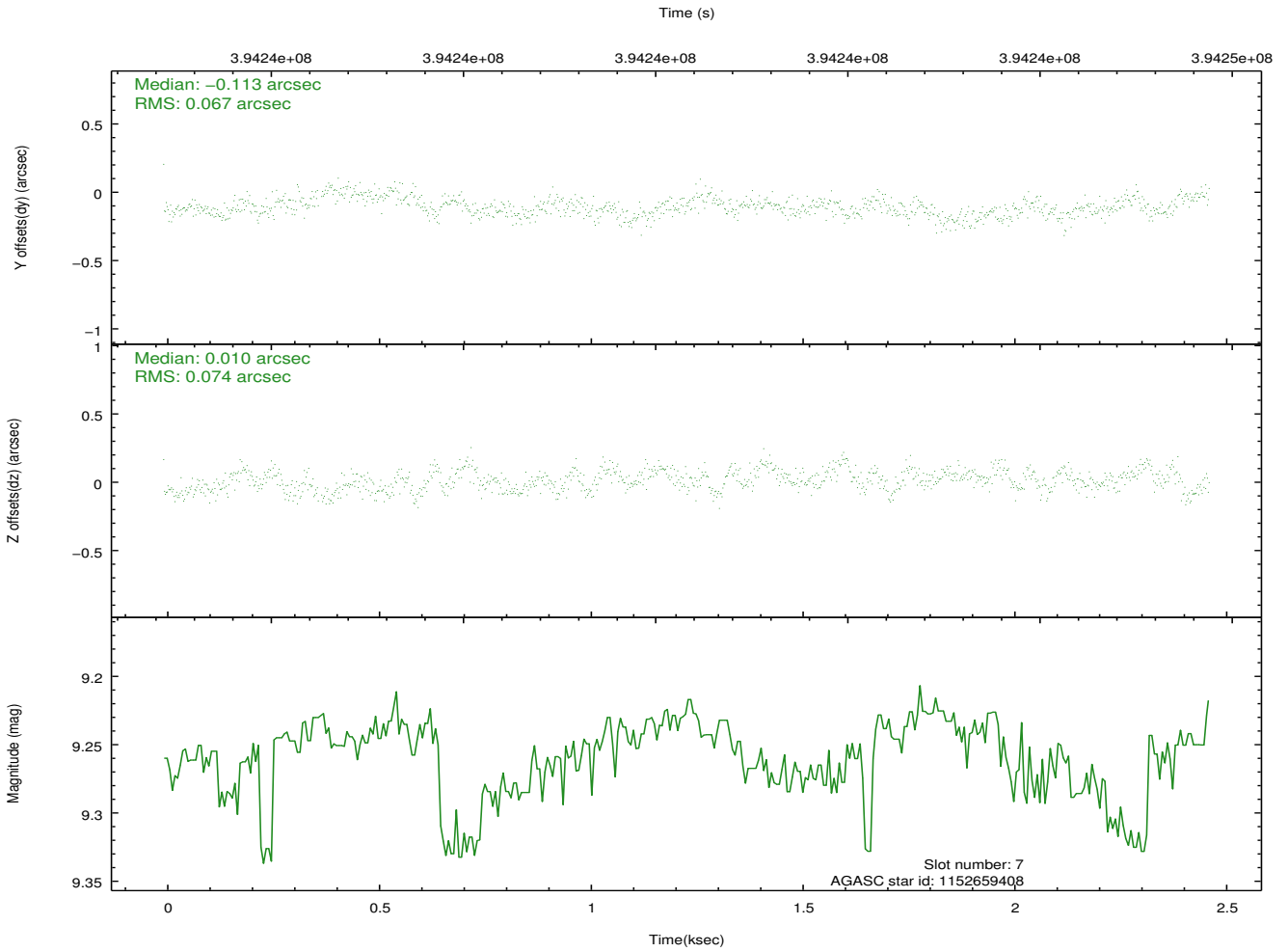
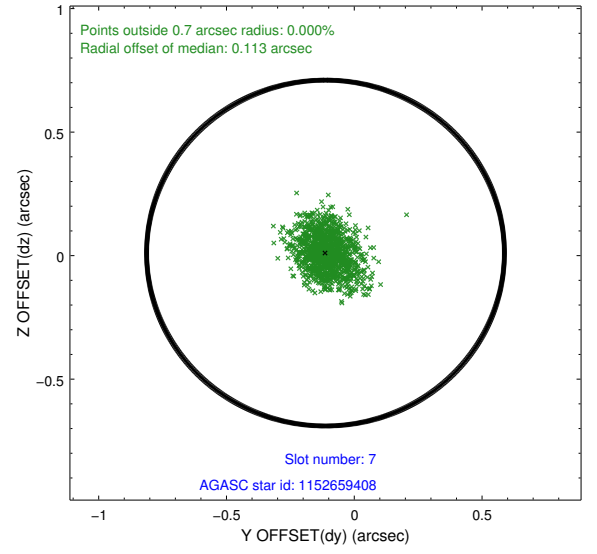
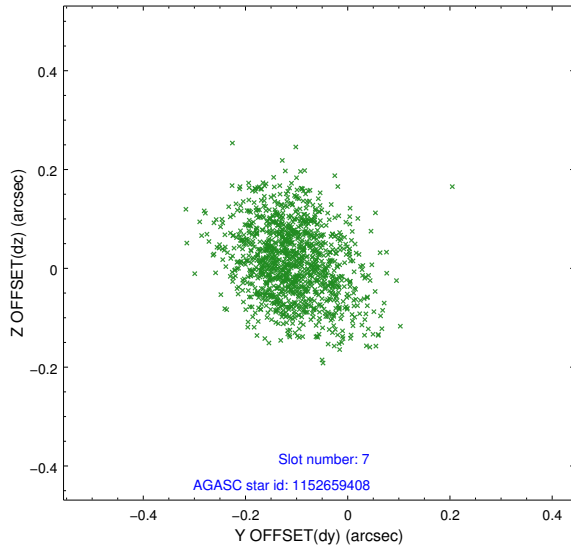
2.4.3 Slot 5



2.4.4 Slot 6

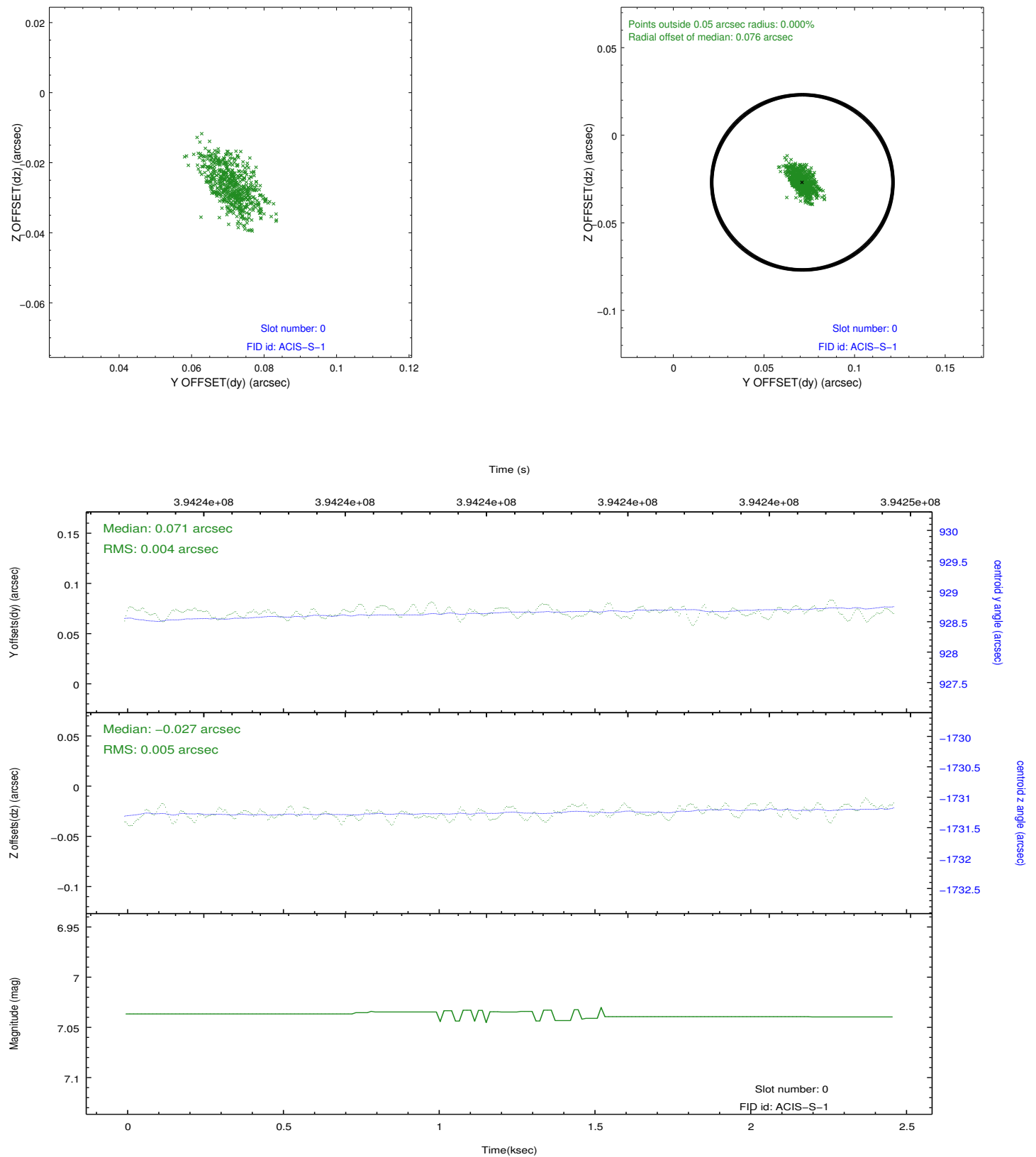


2.4.5 Slot 7

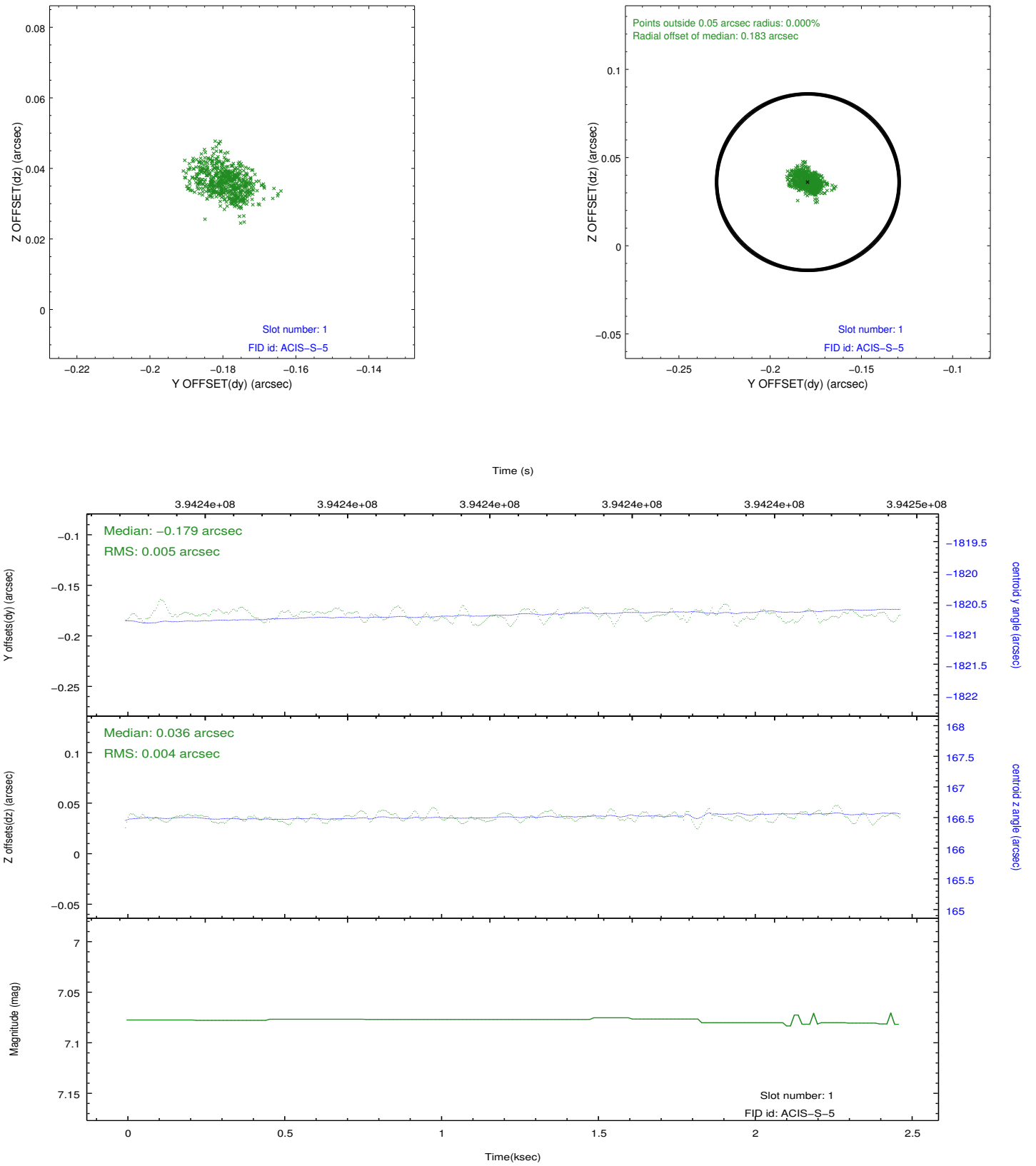


2.5 FID Slots

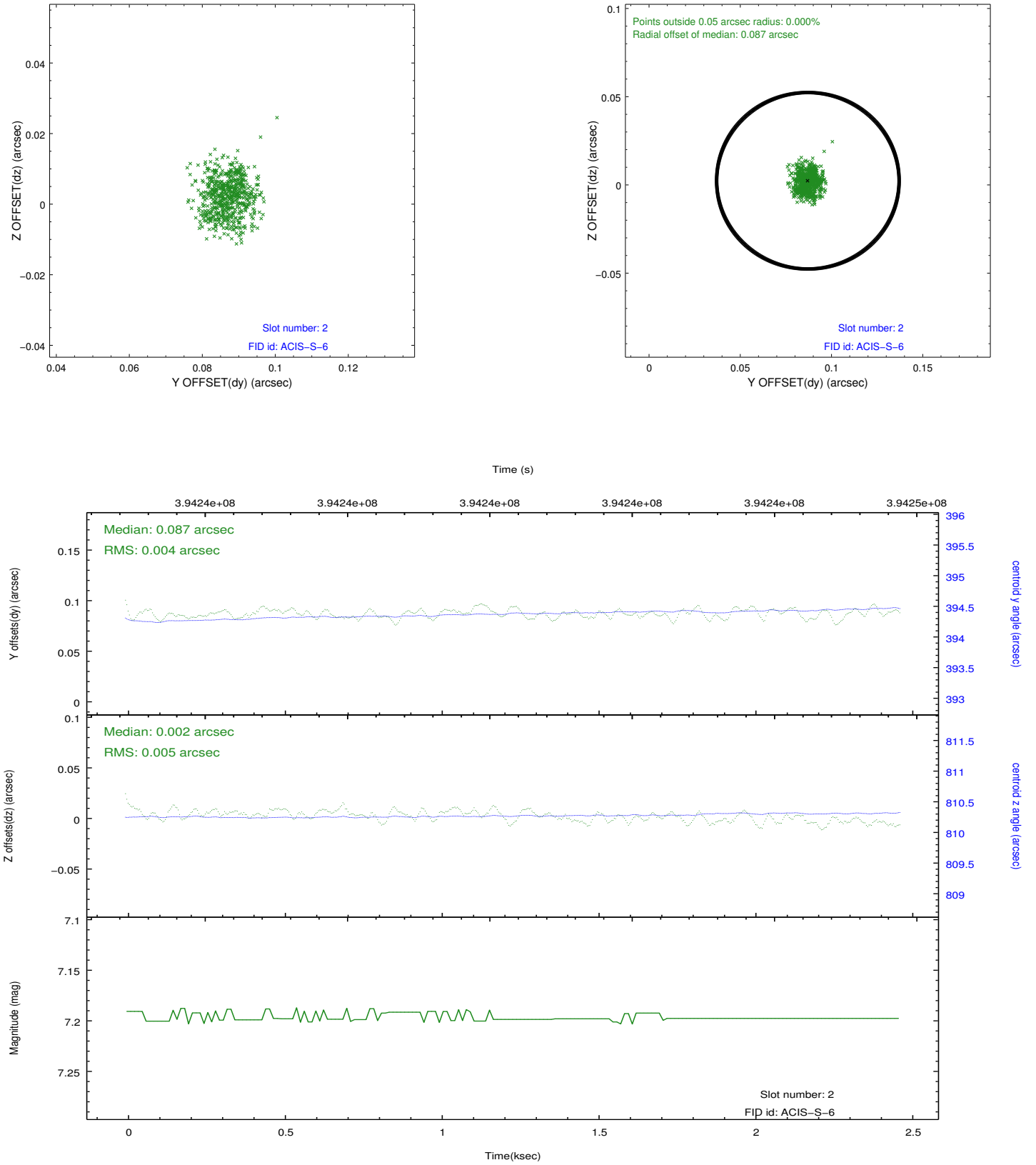
2.5.1 Slot 0



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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0471382566094

A.2 Comments