

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4021 - L2 Version 3
Chandra X-Ray Center

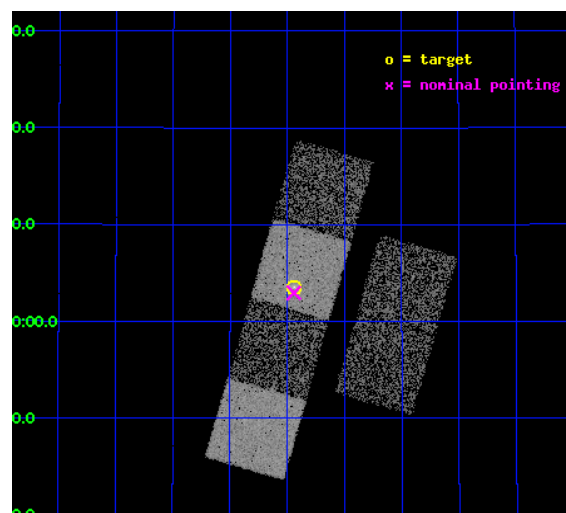
L2 Processing Date : Nov 3 2012

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1 Front

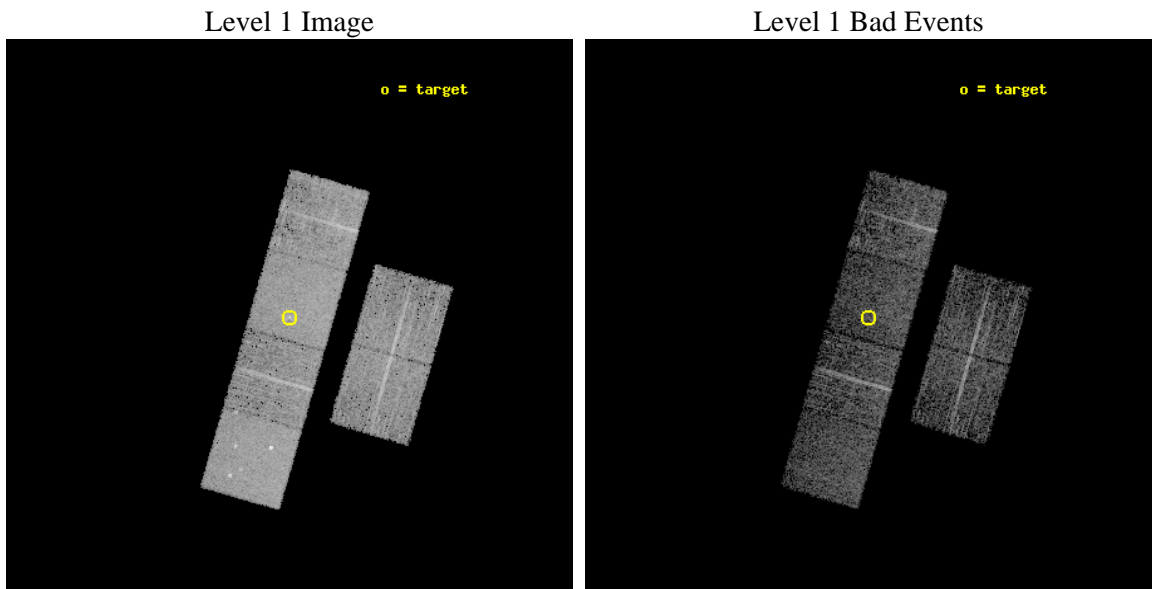
seq_num	700700	Sequence number
obs_id	4021	Observation id
title	A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES	Proposal title
observer	Dr. Shobita Satyapal	Principal investigator
object	NGC5005	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.734167	Observer's specified target RA [deg]
dec_targ	37.059167	Observer's specified target Dec [deg]
ra_nom	197.73548120958	Nominal RA [deg]
dec_nom	37.049473564683	Nominal Dec [deg]
roll_nom	286.04834514296	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4962.7877756655	Sum of GTIs [s]
livetime	4899.945968618	Livetime [s]
ontime2	4962.8288156688	Sum of GTIs [s]
ontime3	4962.6646556556	Sum of GTIs [s]
ontime5	4962.7467356622	Sum of GTIs [s]
ontime6	4962.7056956589	Sum of GTIs [s]
ontime7	4962.7877756655	Sum of GTIs [s]
ontime8	4962.6236156821	Sum of GTIs [s]
l2events	49549	Number of level 2 events



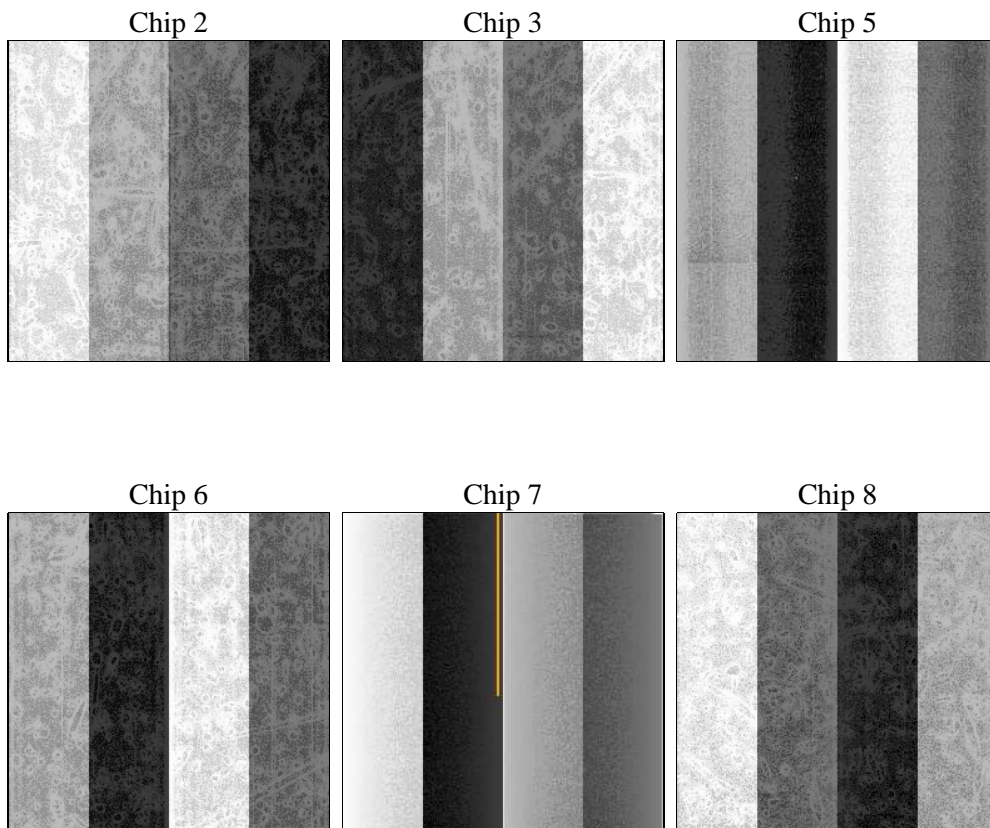
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4962.7877756655	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4962.8288156688	Sum of GTIs [s]
date	2012-11-03T14:27:59	Date and time of file creation	ontime3	4962.6646556556	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4962.7467356622	Sum of GTIs [s]
			ontime6	4962.7056956589	Sum of GTIs [s]
			ontime7	4962.7877756655	Sum of GTIs [s]
			ontime8	4962.6236156821	Sum of GTIs [s]
			l1events	219859	Number of level 1 events

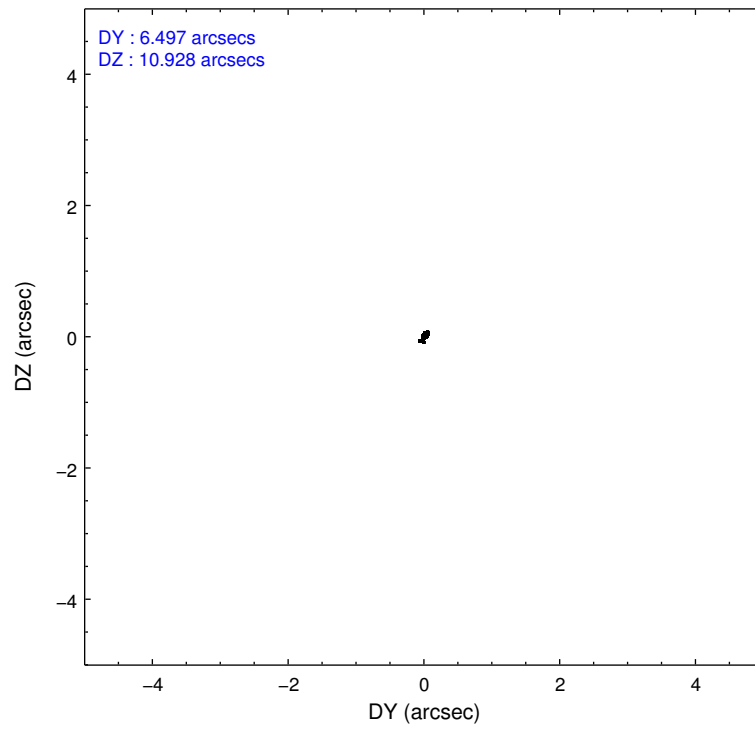
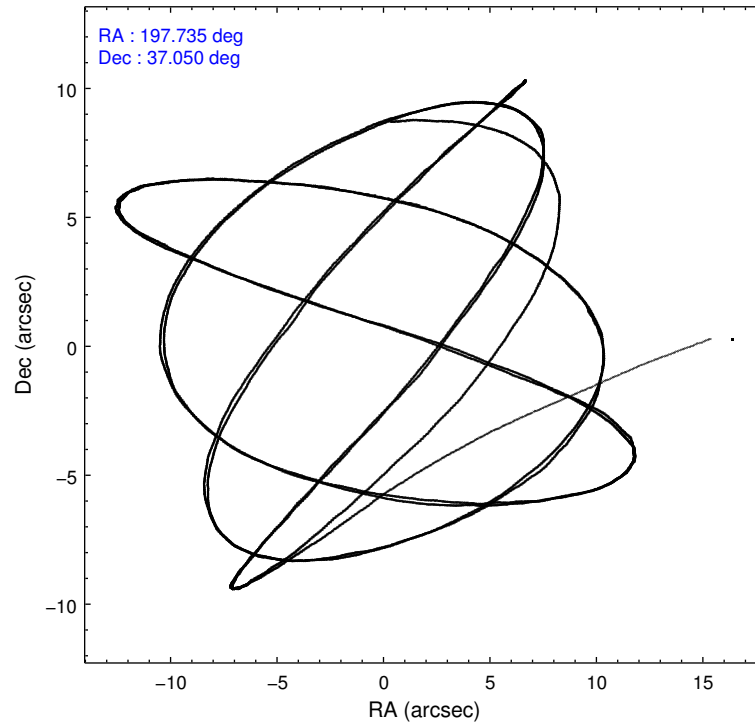
2.1.4 Events

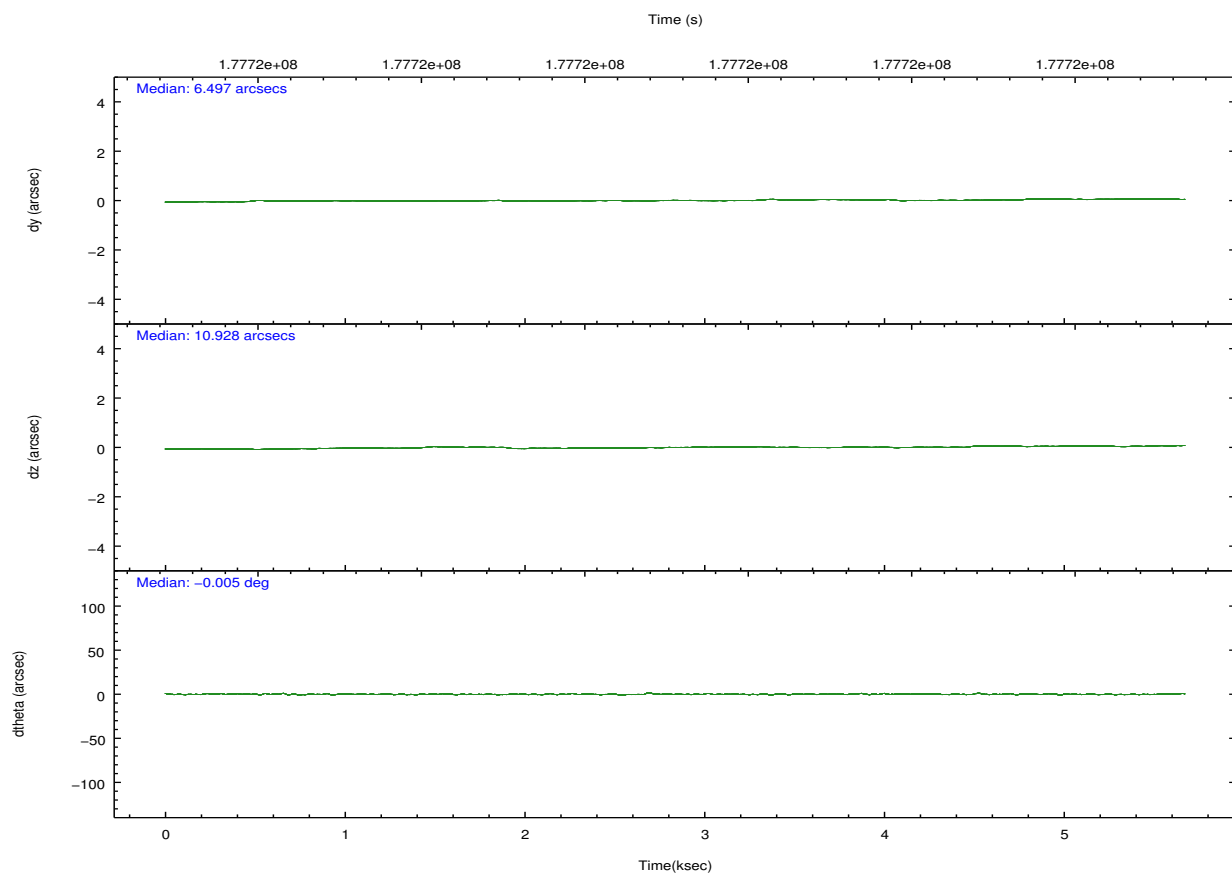
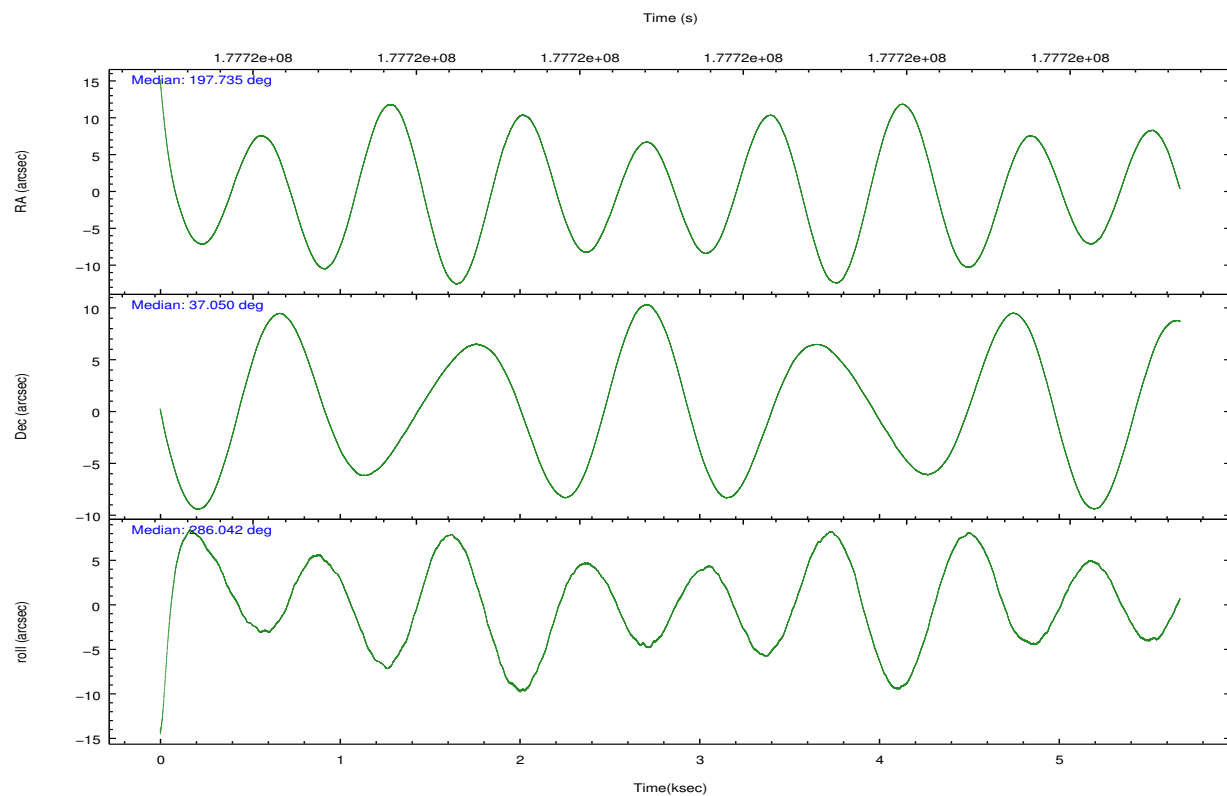
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30766	29974	45996	31783	42730	38610	grade 0 events	1570	1505	3451	1469	2068	2750
rejected events	27129	26495	24377	28162	24637	30878		5%	5%	7%	4%	4%	7%
rejected %	88%	88%	52%	88%	57%	79%	grade 1 events	27	21	105	12	37	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	761	663	5781	698	3674	1542
								2%	2%	12%	2%	8%	3%
							grade 3 events	374	348	823	344	1683	925
								1%	1%	1%	1%	3%	2%
							grade 4 events	352	366	872	361	1633	859
								1%	1%	1%	1%	3%	2%
							grade 5 events	1182	1294	3415	1421	4004	1841
								3%	4%	7%	4%	9%	4%
							grade 6 events	584	601	10723	752	9062	1662
								1%	2%	23%	2%	21%	4%
							grade 7 events	25916	25176	20826	26726	20569	29007
								84%	83%	45%	84%	48%	75%

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	197.710536	197.7354812095765	Subarray requested	NONE	NONE
[deg] Pointing Dec	37.068178	37.04947356468345	Alternating exposures requested	N	N
[deg] Pointing Roll	285.906783	286.048345142961	[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)	177717392.184000	177716183.54826			
Observation start date	2003-08-19T21:55:28	2003-08-19T21:36:23			
[s] Observation end time (MET)	177722392.184000	177722886.53605			
Observation end date	2003-08-19T23:18:48	2003-08-19T23:28:06			
Read mode	TIMED	TIMED			

2.3 Aspect



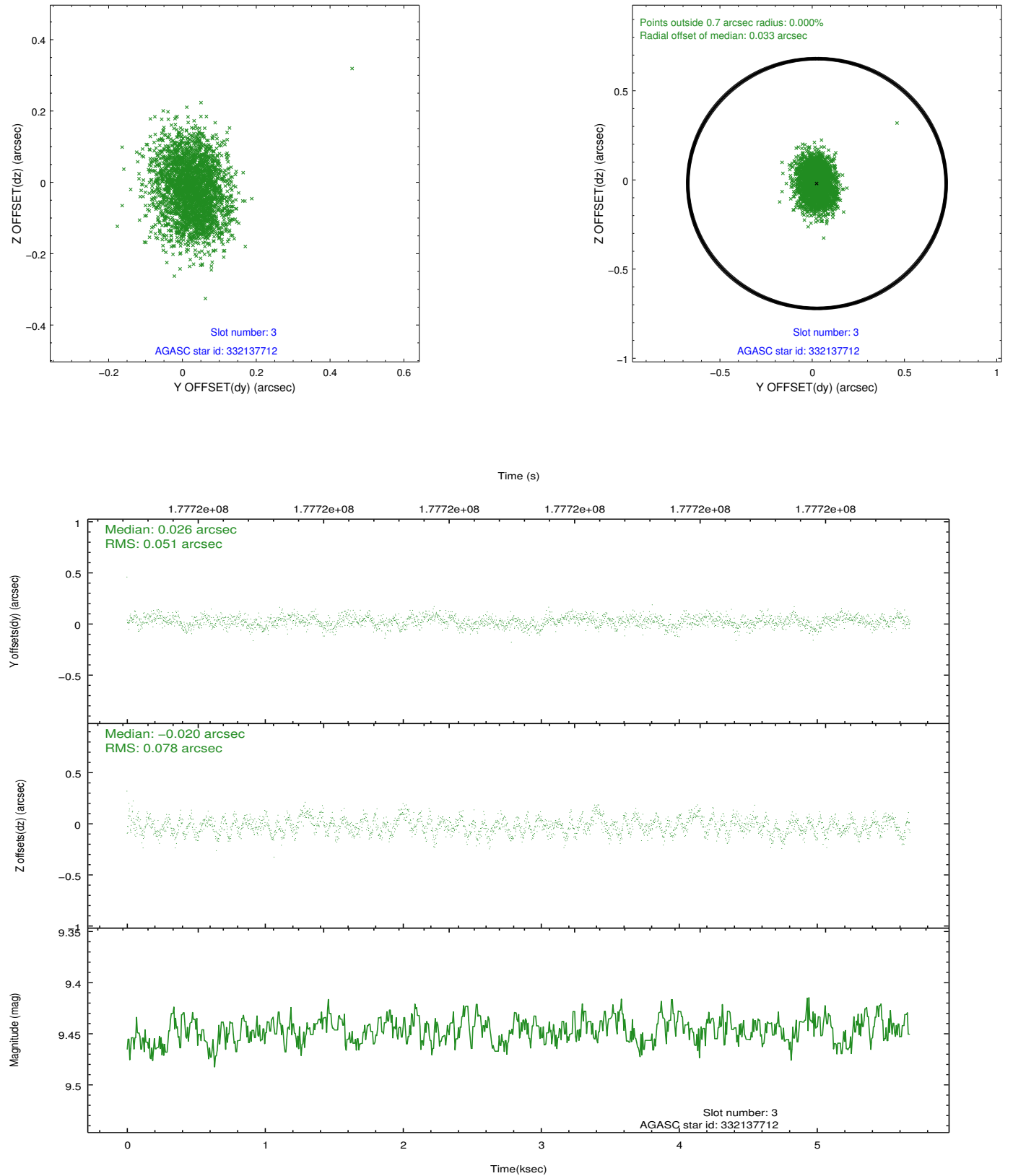


Slot Statistics

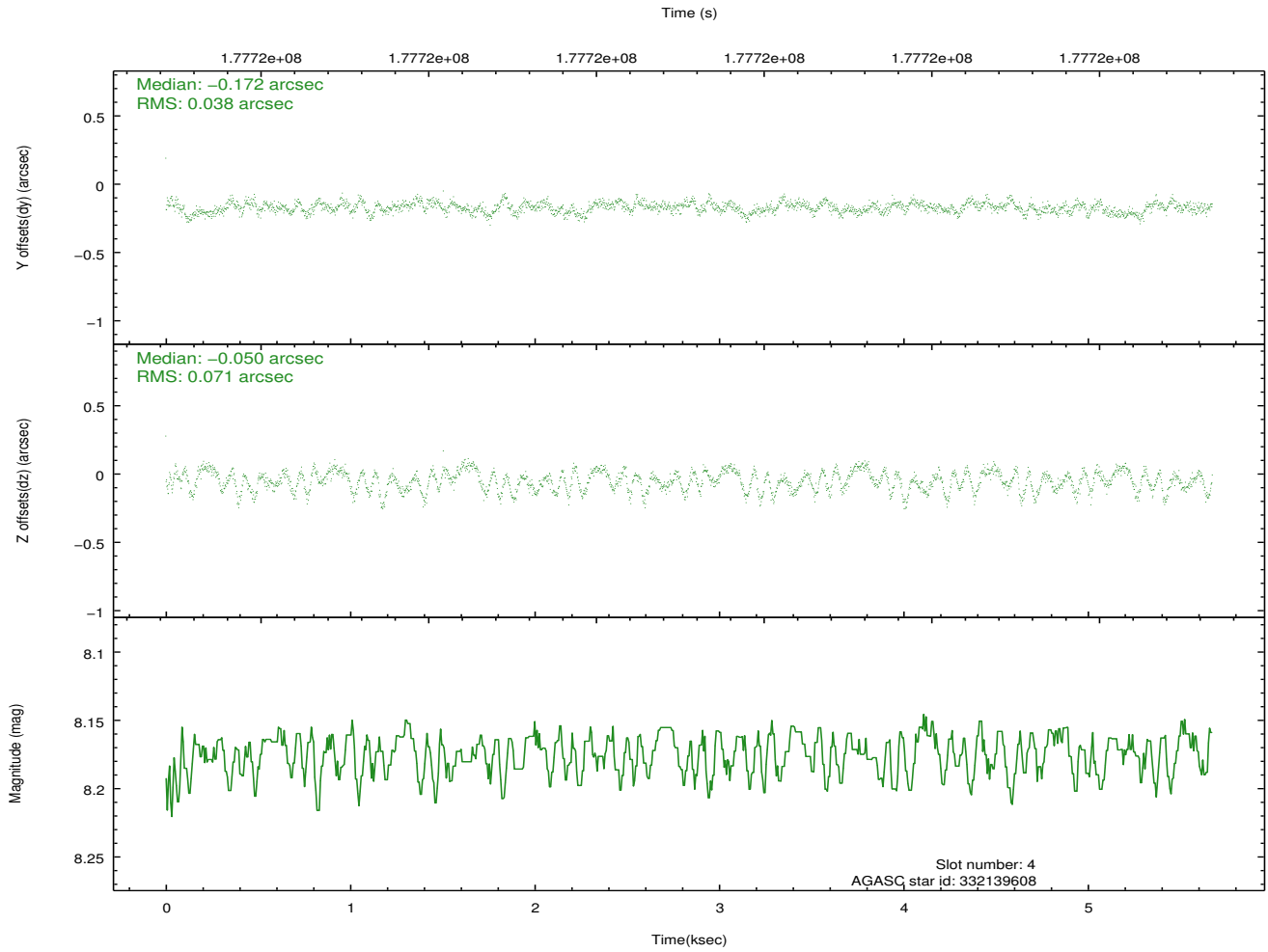
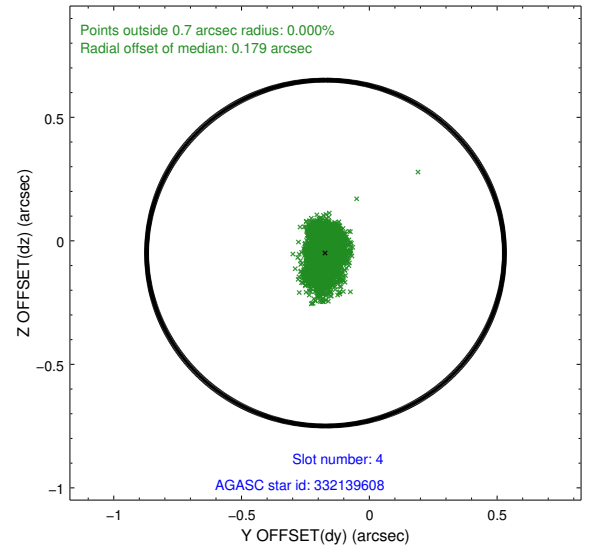
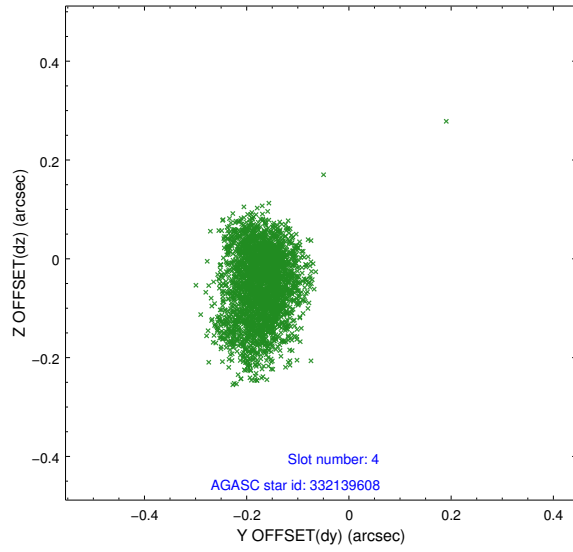
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1384	-0.054	-0.014	0.007	0.011	0.000000	0.000000	-759.27	-1732.22
1	FID	ACIS-S-4	7.20	1384	0.057	0.030	0.005	0.010	0.000000	0.000000	2153.61	175.26
2	FID	ACIS-S-5	7.23	1384	-0.035	-0.007	0.007	0.012	0.000000	0.000000	-1810.76	170.04
3	GUIDE	332137712	9.45	2768	0.026	-0.020	0.099	0.159	196.939140	37.081288	-660.87	-2115.15
4	GUIDE	332139608	8.17	2769	-0.172	-0.050	0.085	0.137	196.814680	37.265809	-1399.35	-2270.99
5	GUIDE	332142088	9.55	2768	0.212	0.094	0.101	0.161	197.774037	36.602770	1661.41	-283.09
6	GUIDE	332145344	8.46	2768	-0.020	-0.037	0.063	0.099	196.986512	36.975509	-256.46	-2091.78
7	GUIDE	333055200	9.38	2766	-0.043	0.021	0.084	0.138	198.276568	37.376986	-630.20	1862.62

2.4 Star Slots

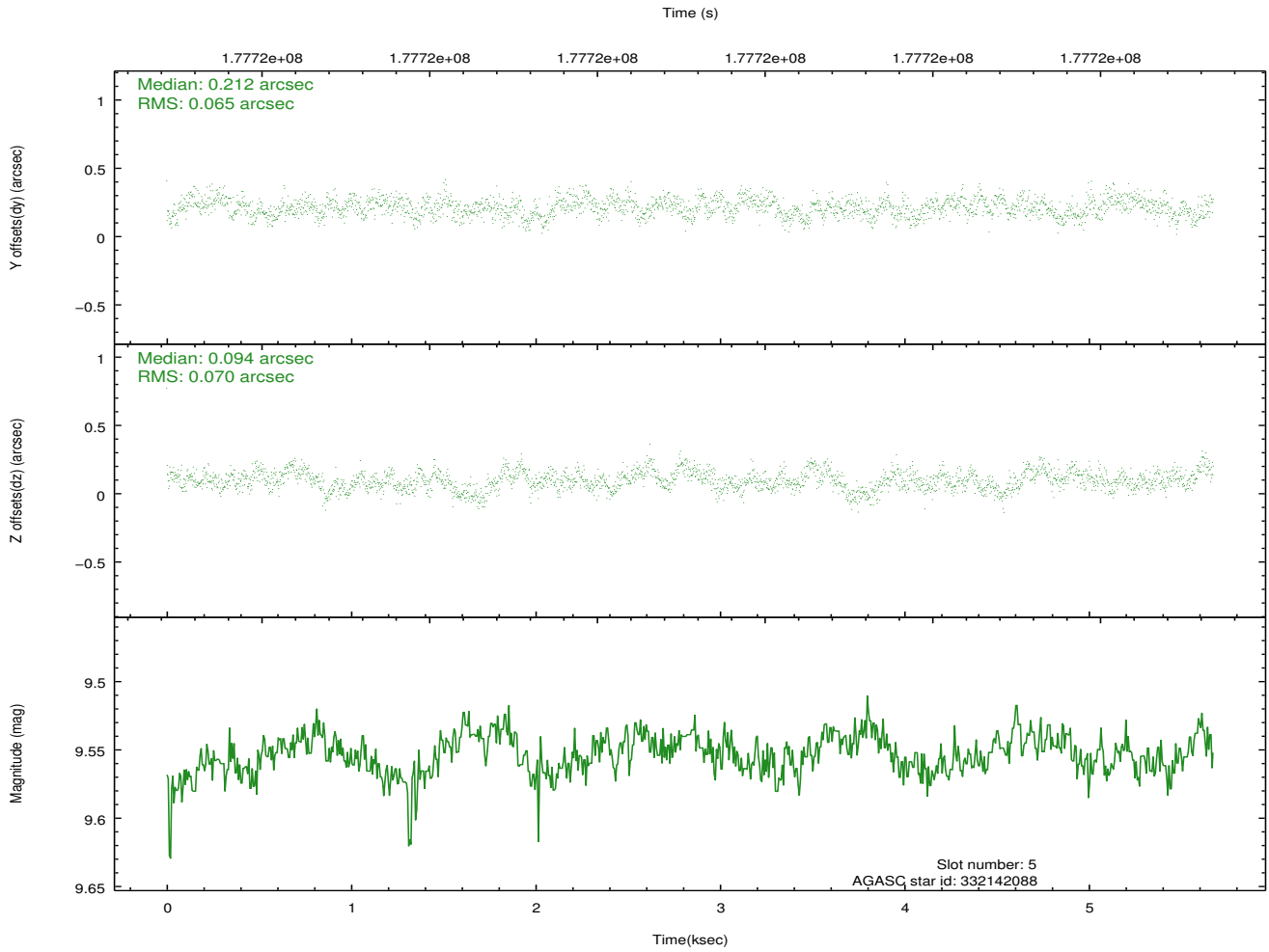
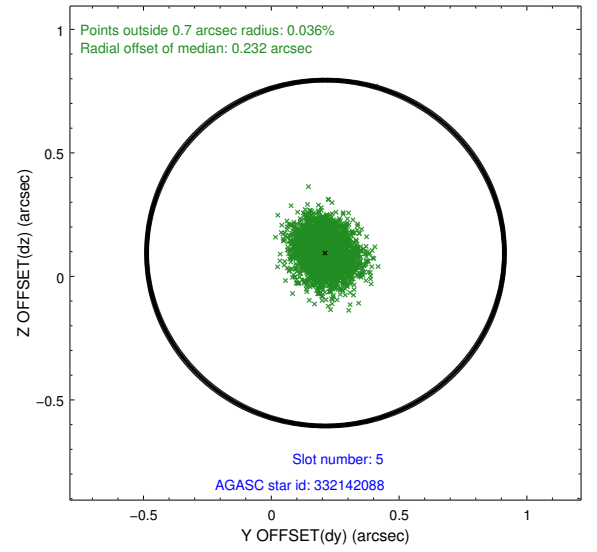
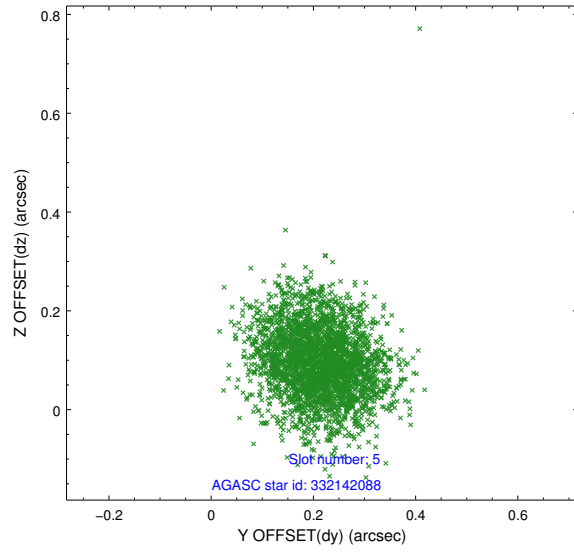
2.4.1 Slot 3



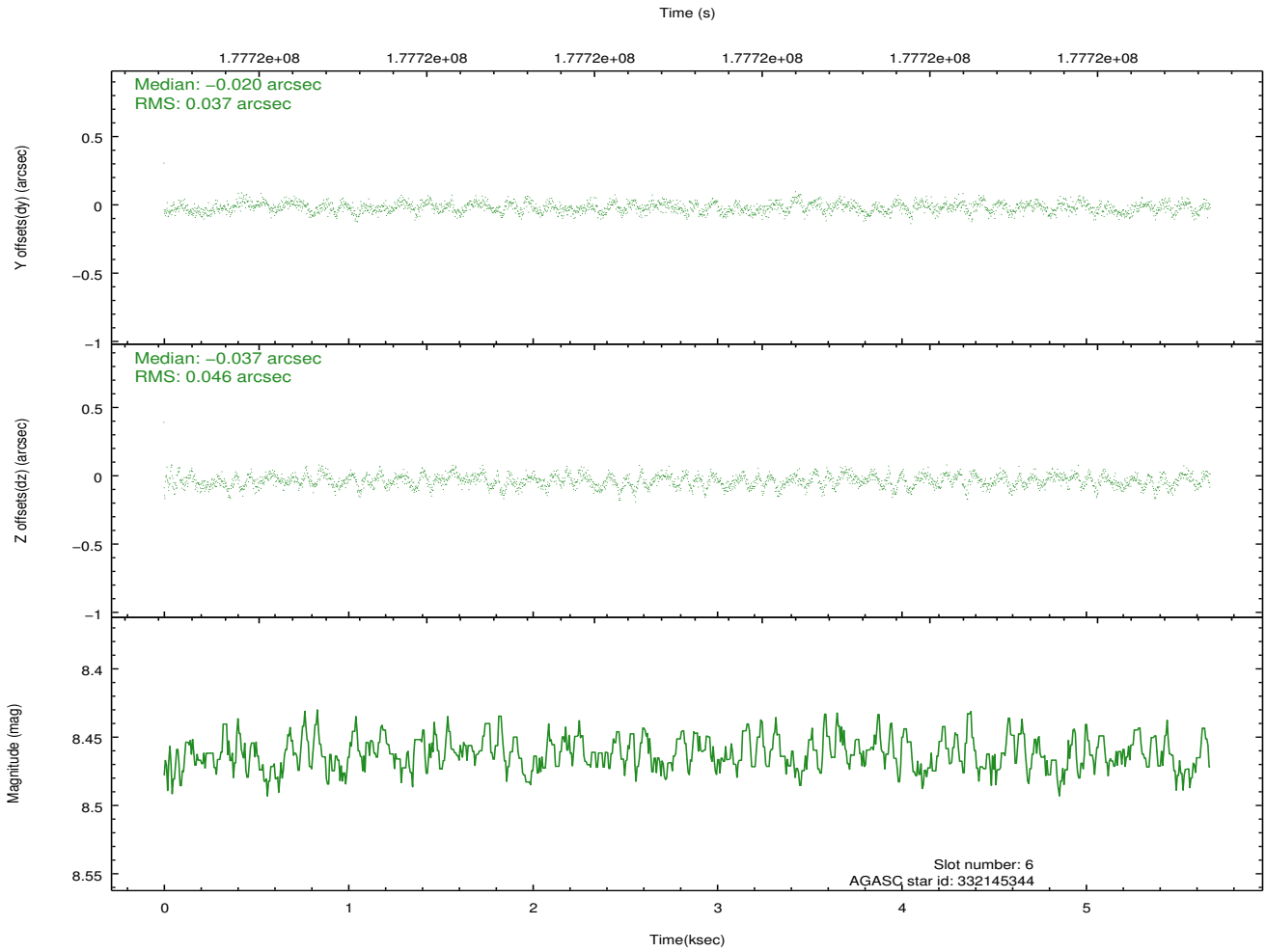
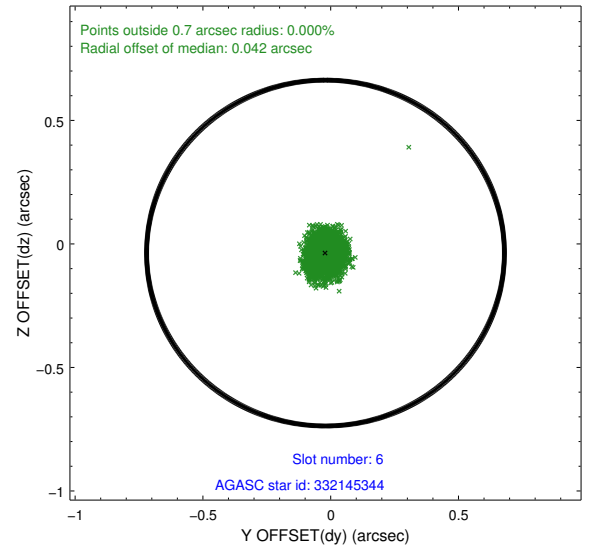
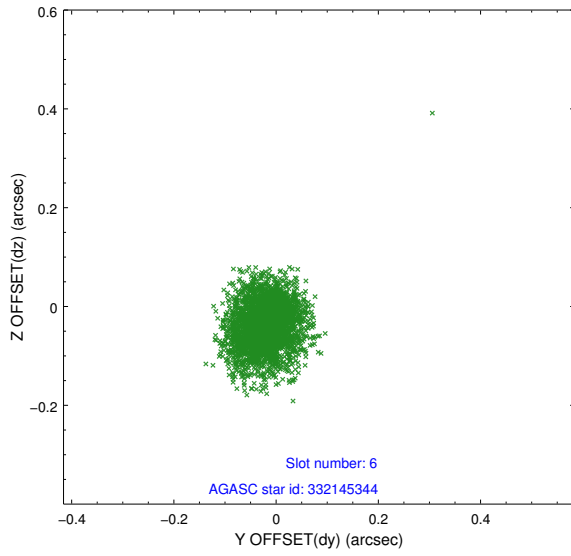
2.4.2 Slot 4



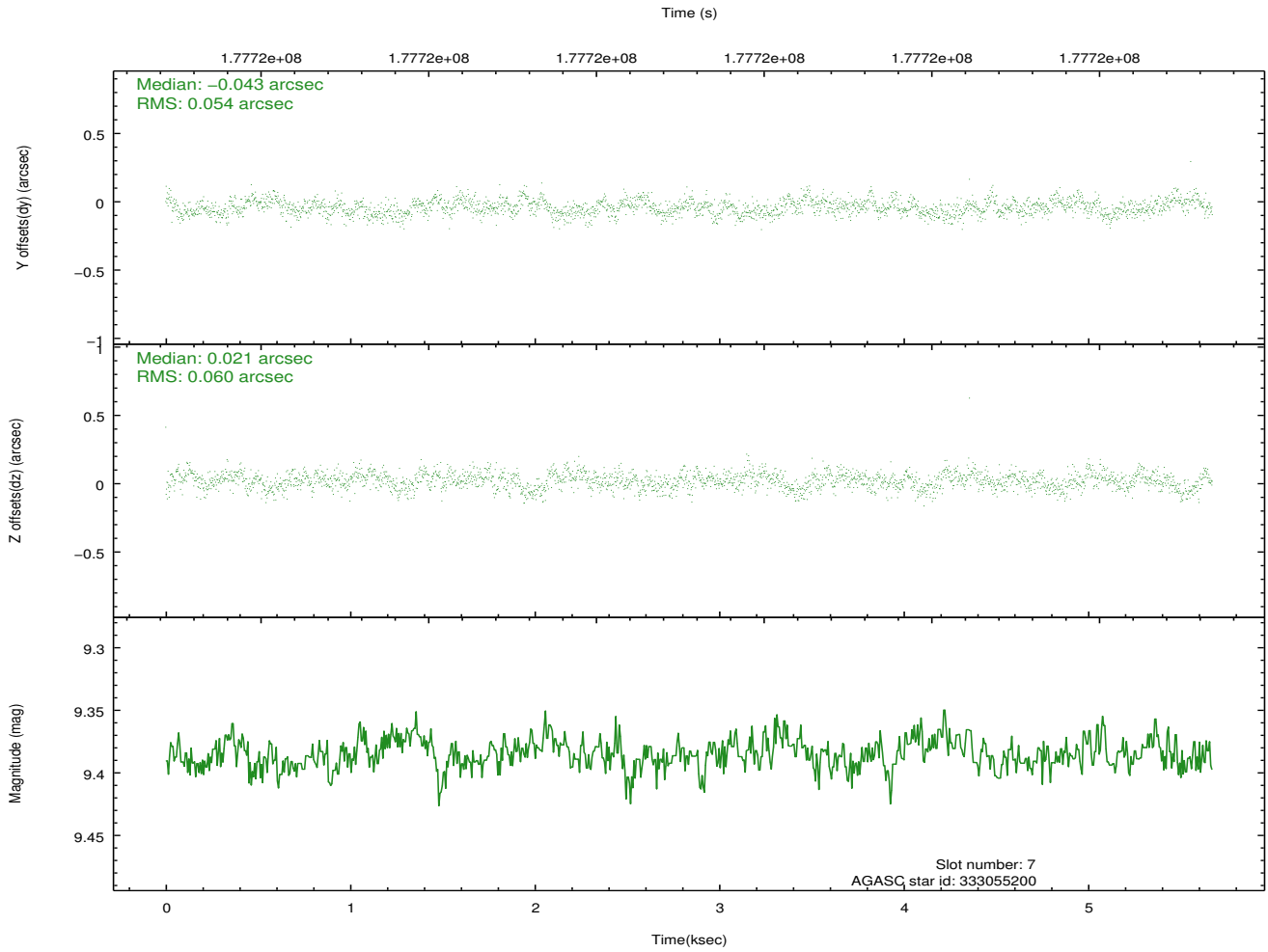
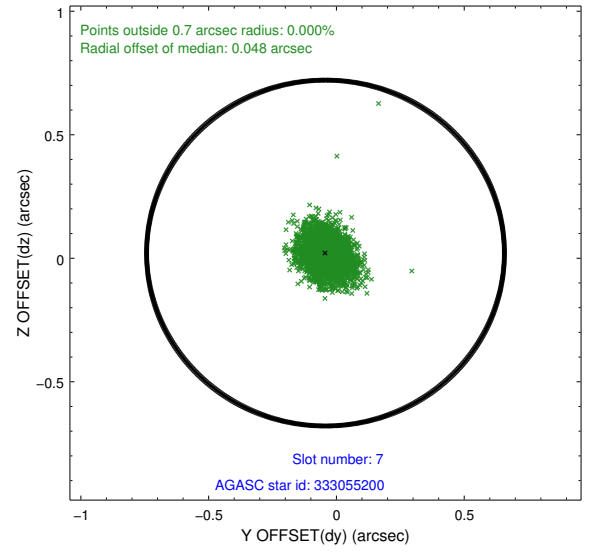
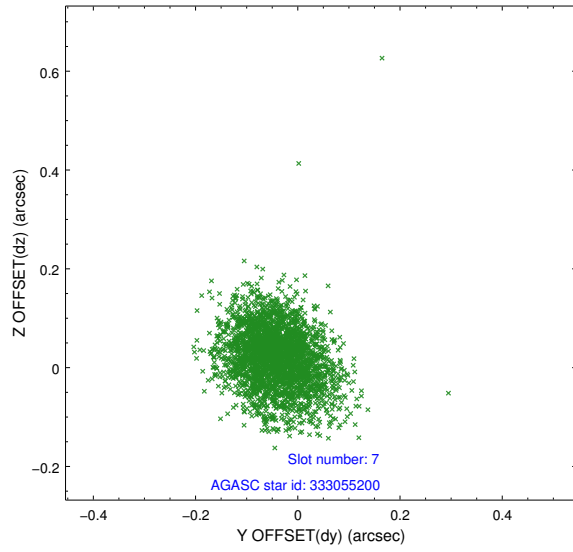
2.4.3 Slot 5



2.4.4 Slot 6

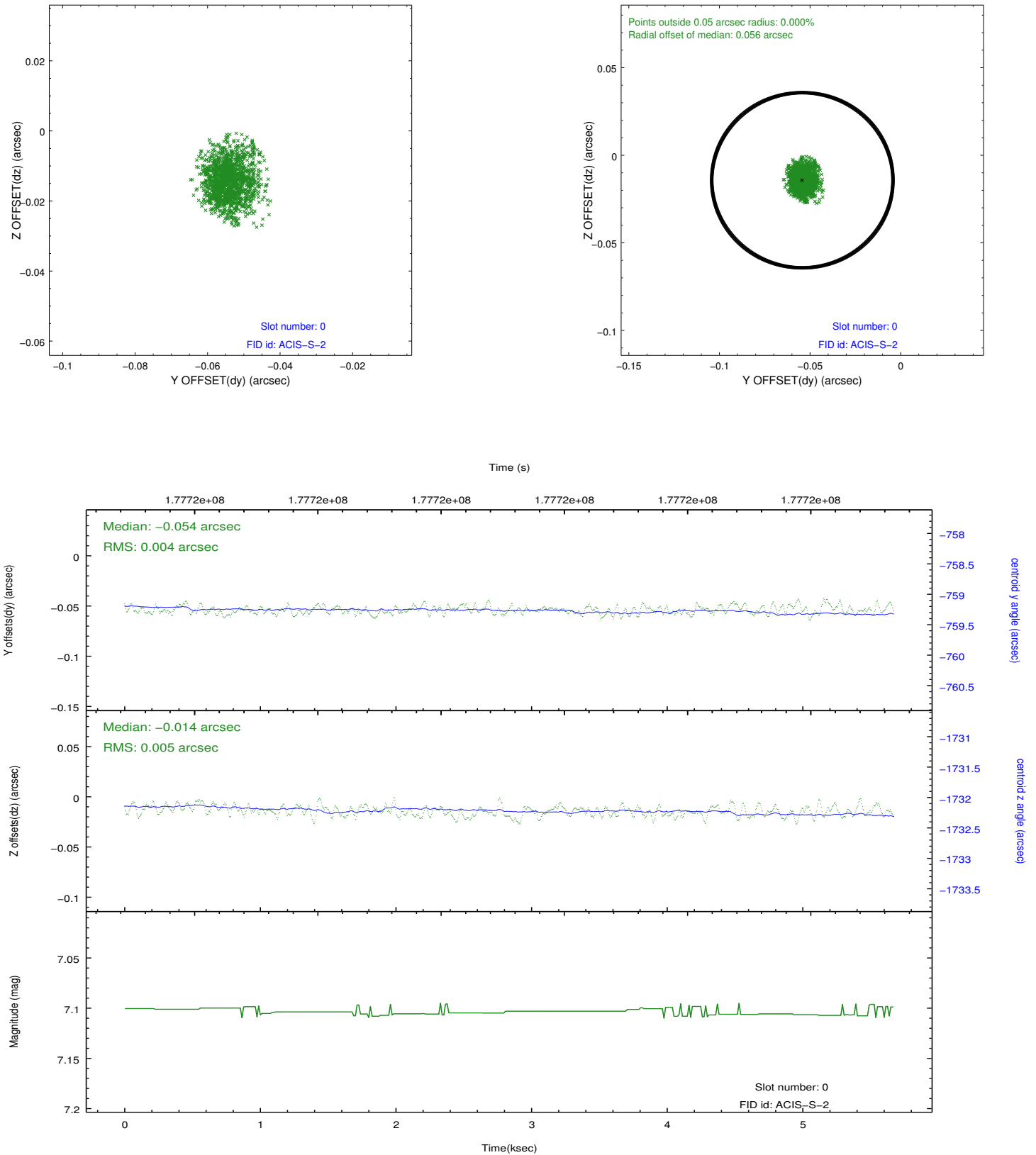


2.4.5 Slot 7

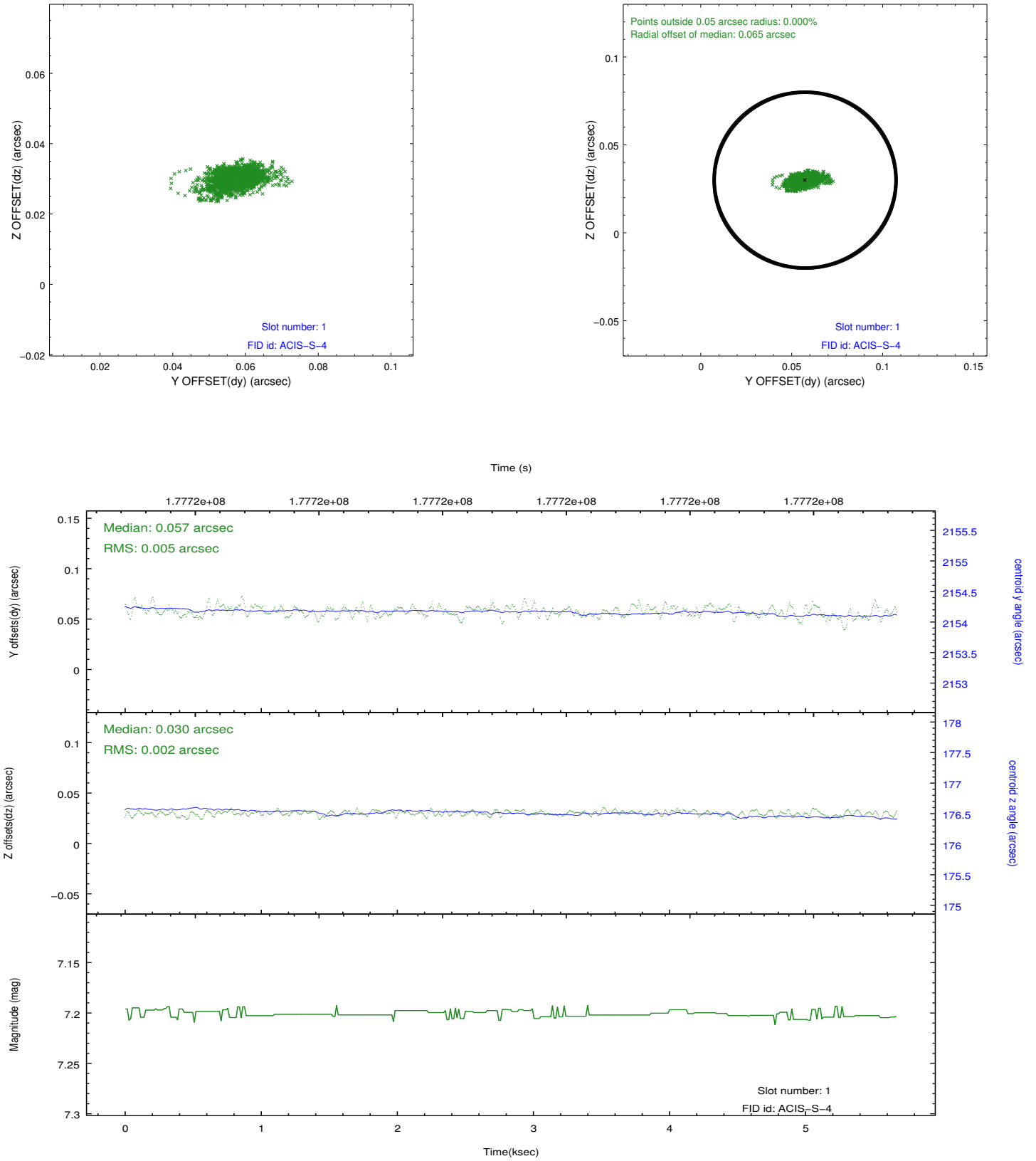


2.5 FID Slots

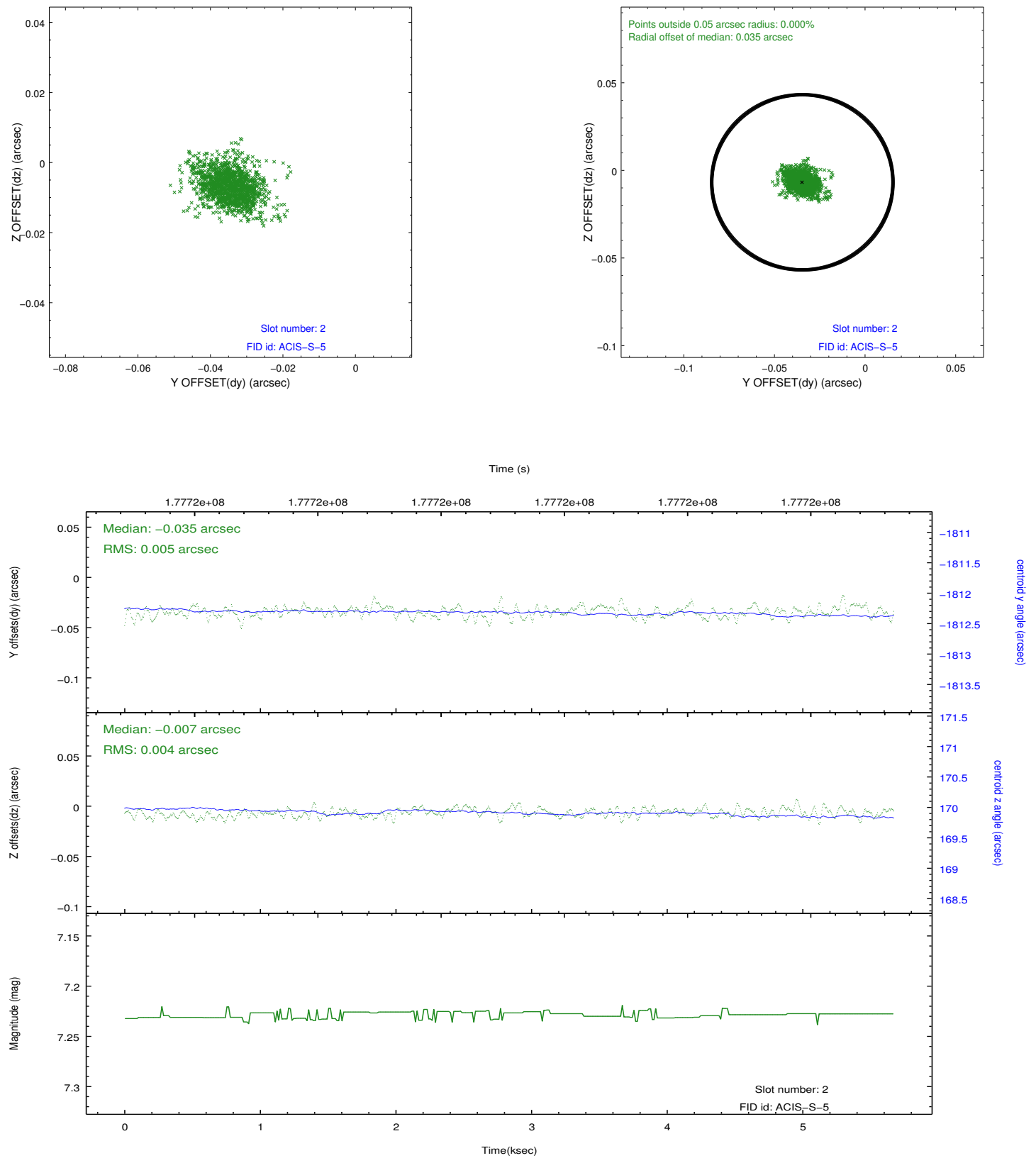
2.5.1 Slot 0



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)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.963

A.2 Comments