

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1652 - L2 Version 3
Chandra X-Ray Center

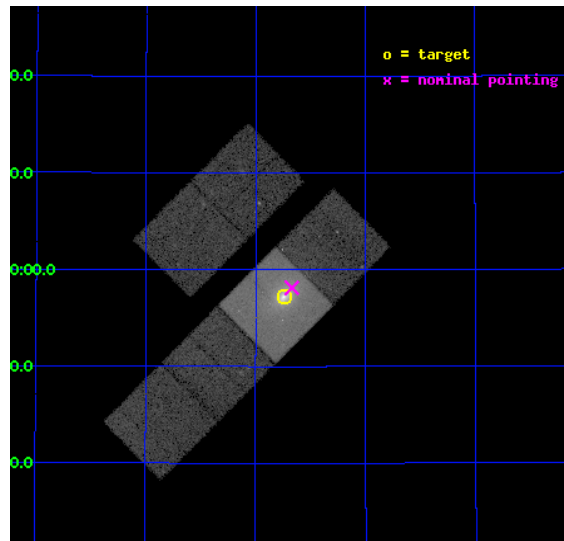
L2 Processing Date : Sep 16 2012

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1 Front

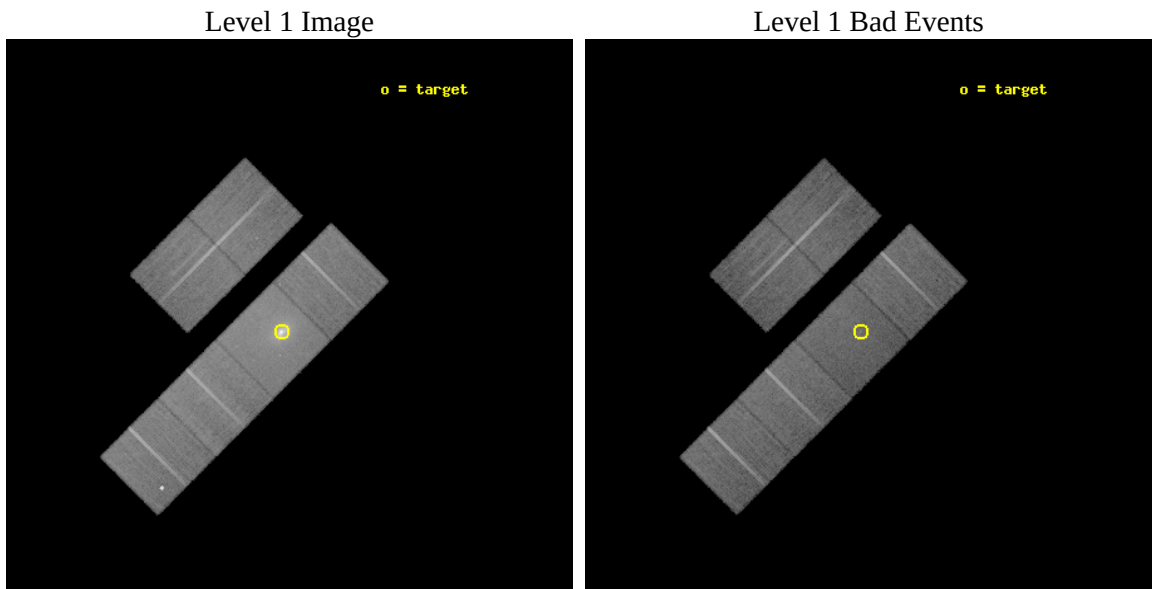
seq_num	800120	Sequence number
obs_id	1652	Observation id
title	CHANDRA OBSERVATIONS OF THE COOLING FLOW CLUSTER ABELL 1068	Propos
observer	Dr. Stephen Murray	Principal investigator
object	ABELL 1068	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.185	Observer's specified target RA [deg]
dec_targ	39.952833	Observer's specified target Dec [deg]
ra_nom	160.16744359278	Nominal RA [deg]
dec_nom	39.968838788286	Nominal Dec [deg]
roll_nom	134.93289893072	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27172.199975476	Sum of GTIs [s]
livetime	26838.427531269	Livetime [s]
ontime2	27165.518054903	Sum of GTIs [s]
ontime3	27172.199975476	Sum of GTIs [s]
ontime6	27172.199975476	Sum of GTIs [s]
ontime7	27172.199975476	Sum of GTIs [s]
ontime8	27172.199975476	Sum of GTIs [s]
ontime9	27172.199975476	Sum of GTIs [s]
l2events	236346	Number of level 2 events



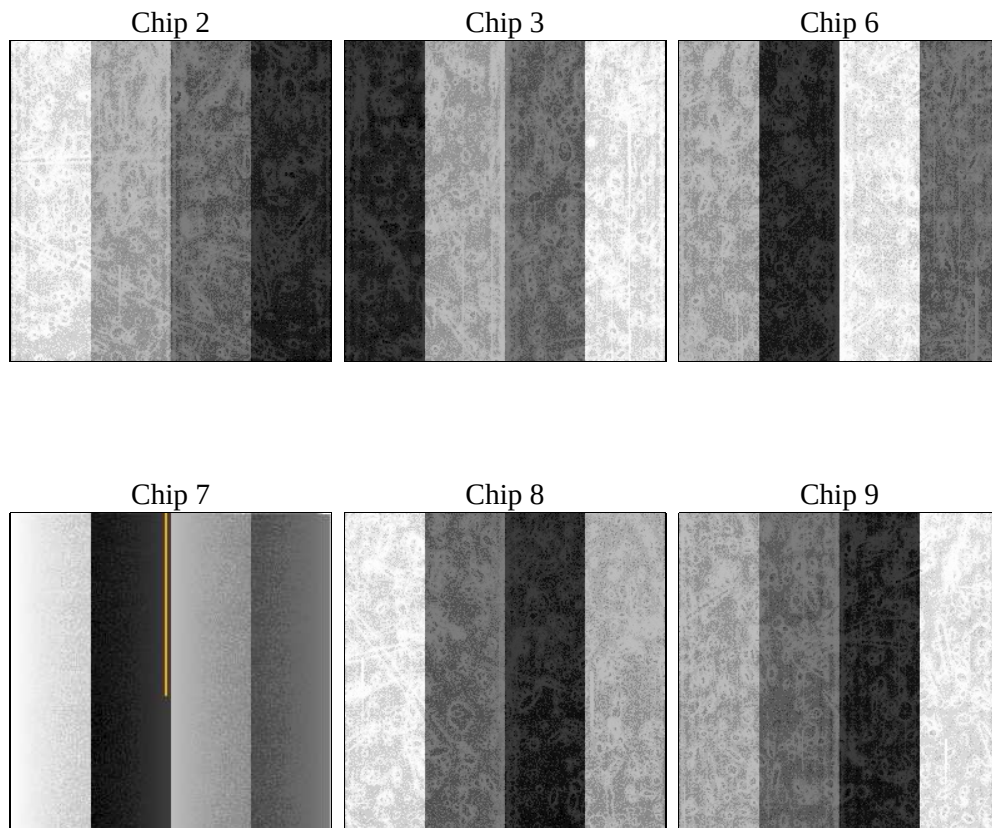
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	27172.199975476	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	27165.518054903	Sum of GTIs [s]
date	2012-09-16T03:27:23	Date and time of file creation	ontime3	27172.199975476	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	27172.199975476	Sum of GTIs [s]
			ontime7	27172.199975476	Sum of GTIs [s]
			ontime8	27172.199975476	Sum of GTIs [s]
			ontime9	27172.199975476	Sum of GTIs [s]
			l1events	1180512	Number of level 1 events

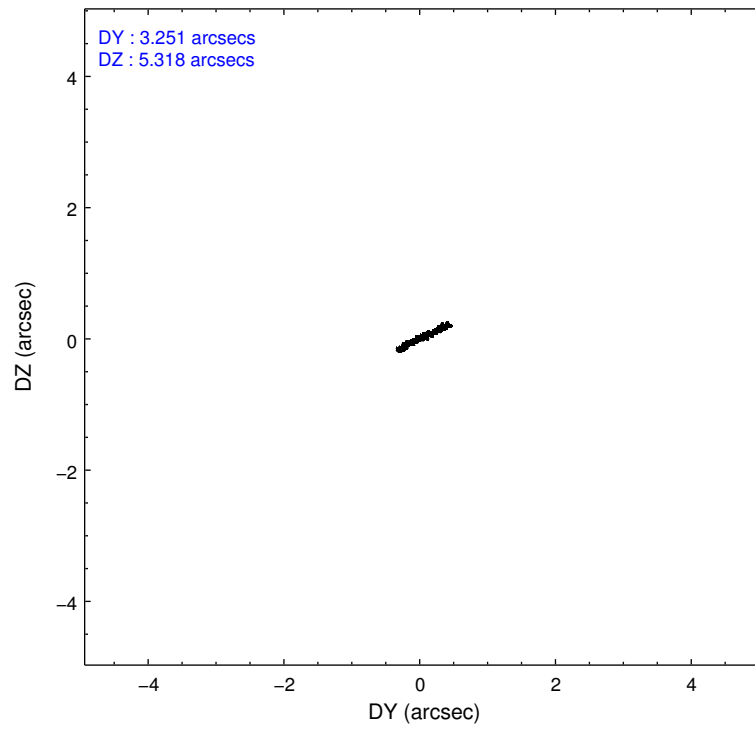
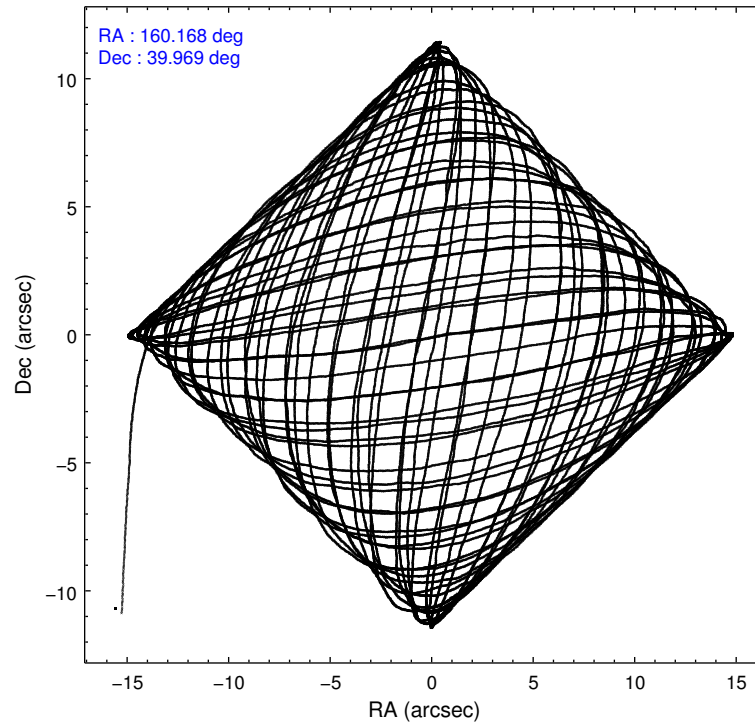
2.1.4 Events

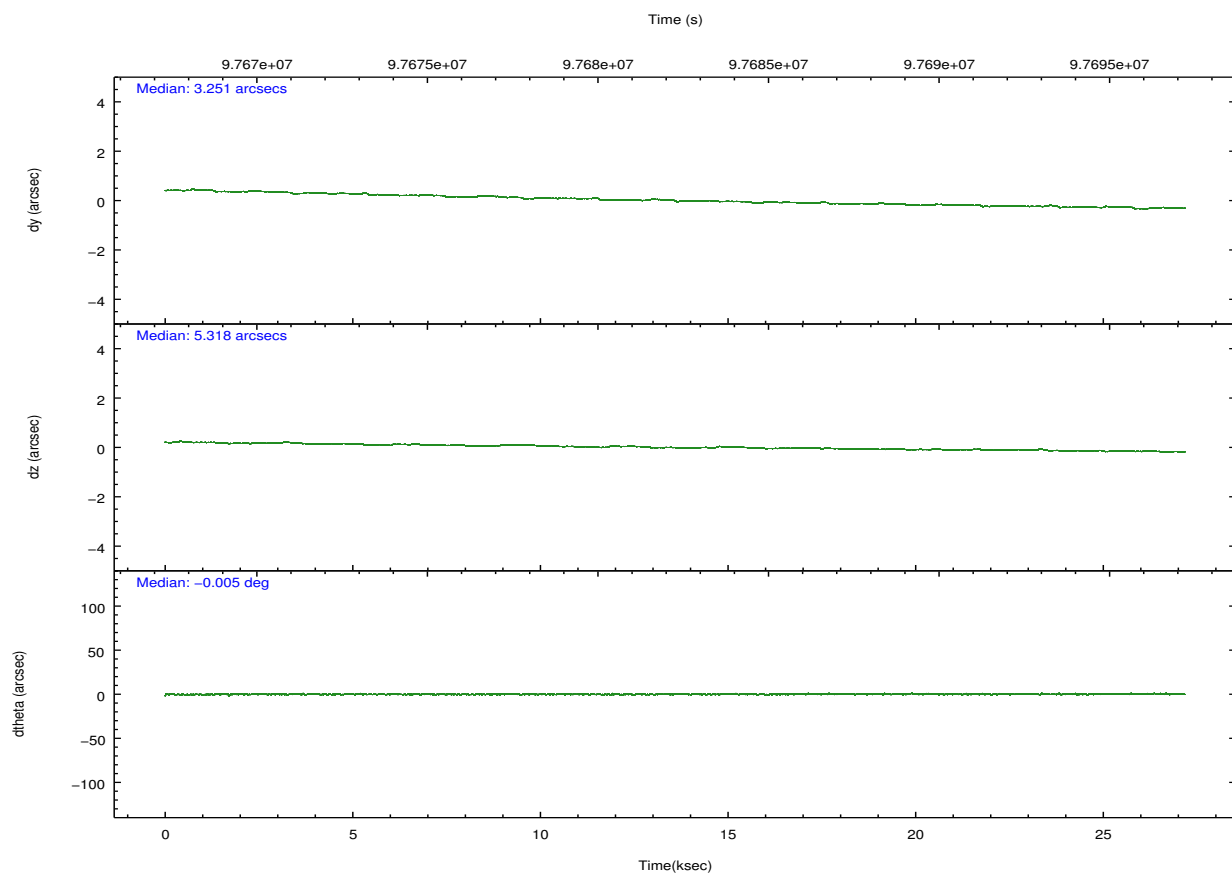
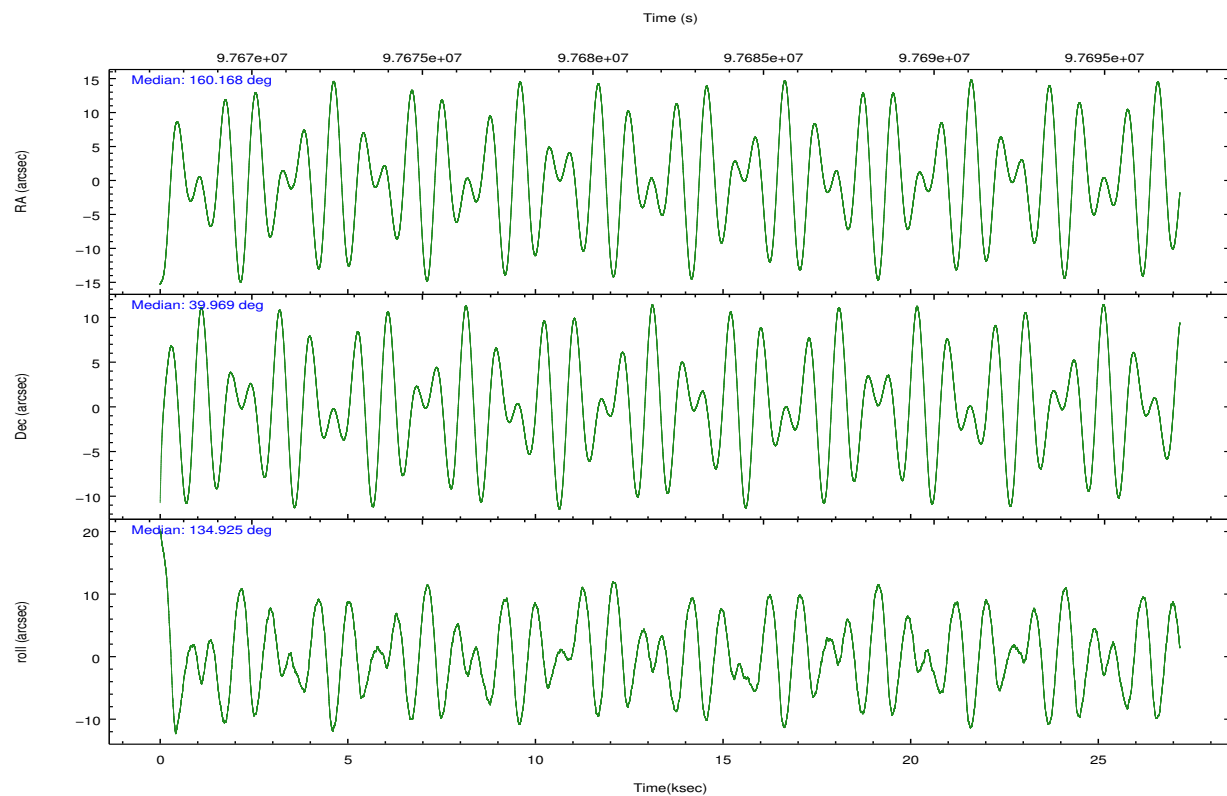
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	164722	163755	172966	284035	211159	183875	grade 0 events	8073	8002	9016	32602	13325	7921
rejected events	146678	145810	152842	129831	170820	156923		4%	4%	5%	11%	6%	4%
rejected %	89%	89%	88%	45%	80%	85%	grade 1 events	64	77	82	242	129	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	3782	3574	3947	34731	8791	12131
								2%	2%	2%	12%	4%	6%
							grade 3 events	1736	1793	1979	15935	4598	1894
								1%	1%	1%	5%	2%	1%
							grade 4 events	1735	1778	1955	15797	4231	1821
								1%	1%	1%	5%	2%	0%
							grade 5 events	5690	6444	7163	21429	8936	7550
								3%	3%	4%	7%	4%	4%
							grade 6 events	3236	3297	3808	58191	10558	4029
								1%	2%	2%	20%	5%	2%
							grade 7 events	140406	138790	145016	105108	160591	148445
								85%	84%	83%	37%	76%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-236789	ACIS-236789	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	160.201956	160.1674435927838	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.961971	39.96883878828613	Alternating exposures requested	N	N
[deg] Pointing Roll	134.754098	134.9328989307208	[s] Primary exposure time	0.000000	3.3
[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)	97668848.184000	97667312.890498			
Observation start date	2001-02-04T10:13:04	2001-02-04T09:48:32			
[s] Observation end time (MET)	97695848.184000	97696310.65411501			
Observation end date	2001-02-04T17:43:04	2001-02-04T17:51:50			
Read mode	TIMED	TIMED			

2.3 Aspect



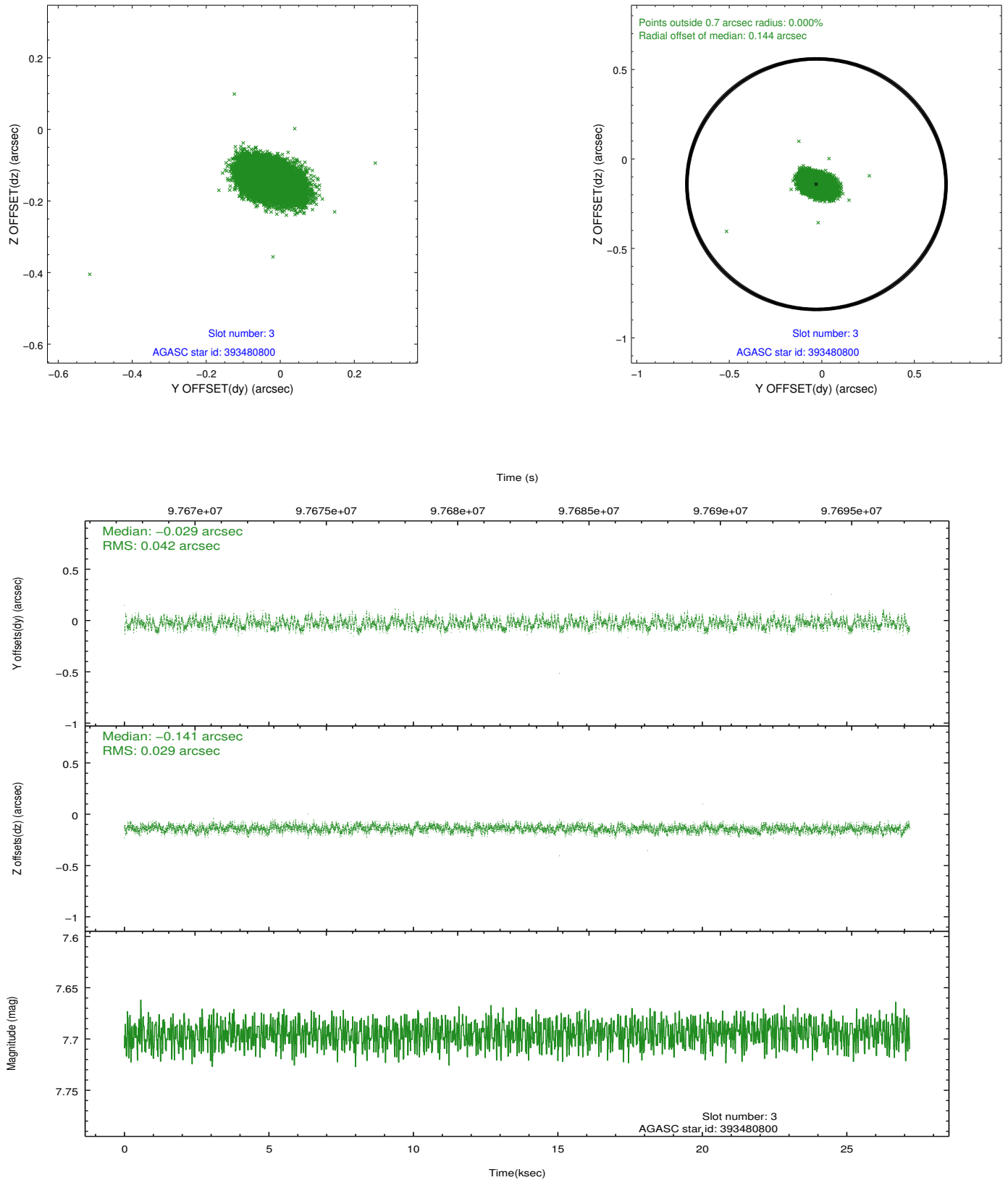


Slot Statistics

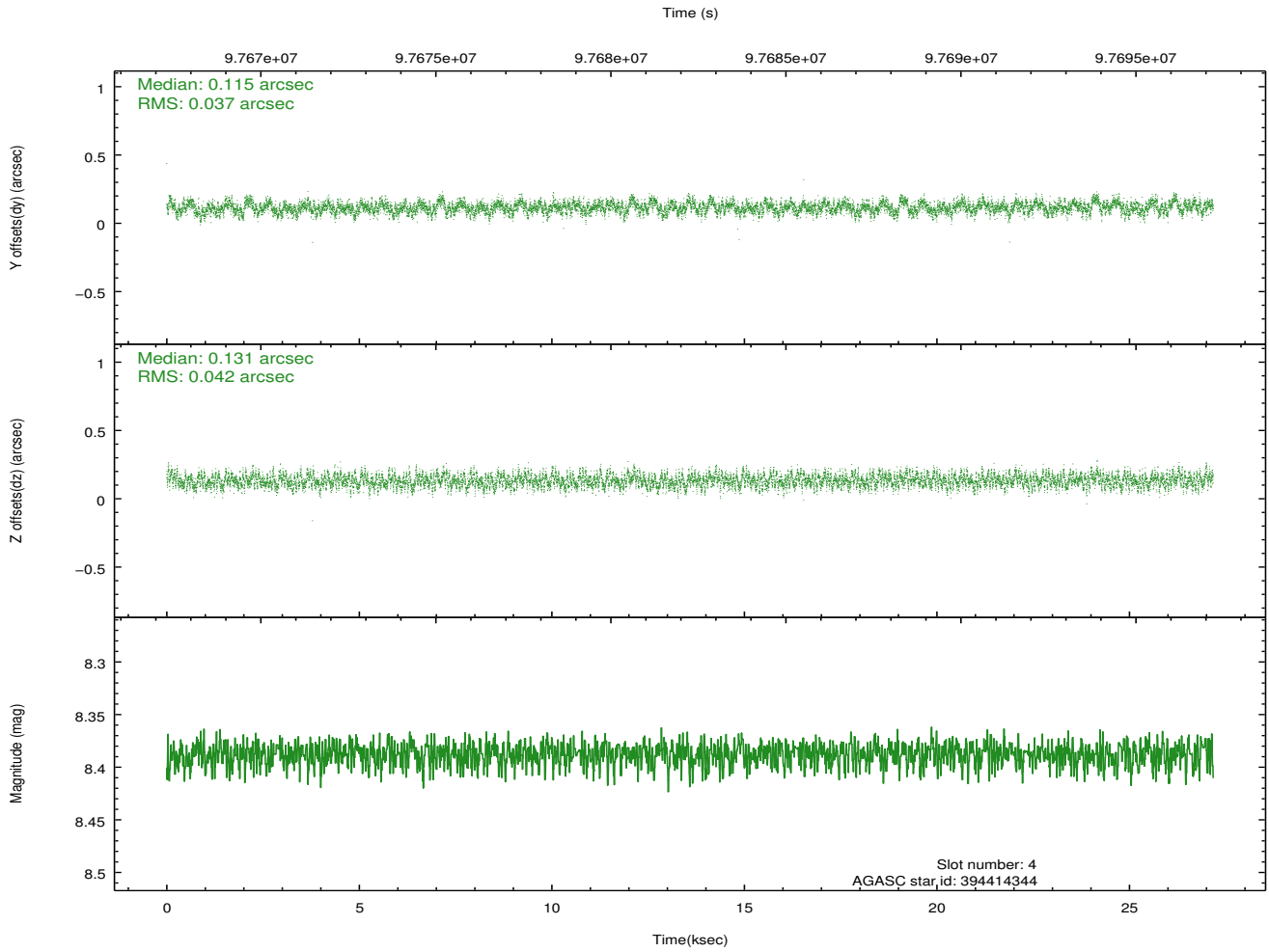
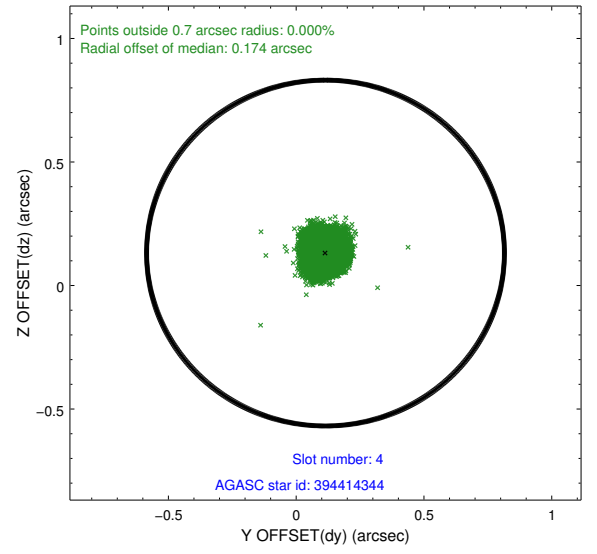
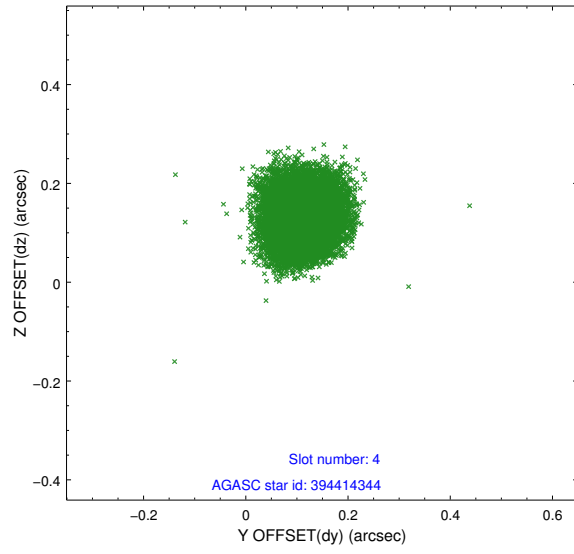
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6628	-0.026	0.001	0.007	0.011	0.000000	0.000000	-755.91	-1726.47
1	FID	ACIS-S-4	7.20	6626	-0.015	0.012	0.012	0.019	0.000000	0.000000	2157.29	181.99
2	FID	ACIS-S-5	7.24	6627	0.010	-0.005	0.013	0.019	0.000000	0.000000	-1808.63	175.67
3	GUIDE	393480800	7.69	13252	-0.029	-0.141	0.055	0.089	159.955558	39.404672	-941.40	1898.42
4	GUIDE	394414344	8.39	13257	0.115	0.131	0.061	0.096	161.050764	39.919307	-1750.55	-1563.88
5	GUIDE	393878472	8.51	13253	0.007	-0.090	0.053	0.086	159.653339	40.322119	1984.43	153.32
6	GUIDE	394405296	8.73	13249	0.005	0.020	0.057	0.093	160.050441	40.278361	1102.70	-506.43
7	GUIDE	394407680	9.16	13159	-0.097	0.084	0.083	0.135	160.045368	40.603600	1942.52	-1322.29

2.4 Star Slots

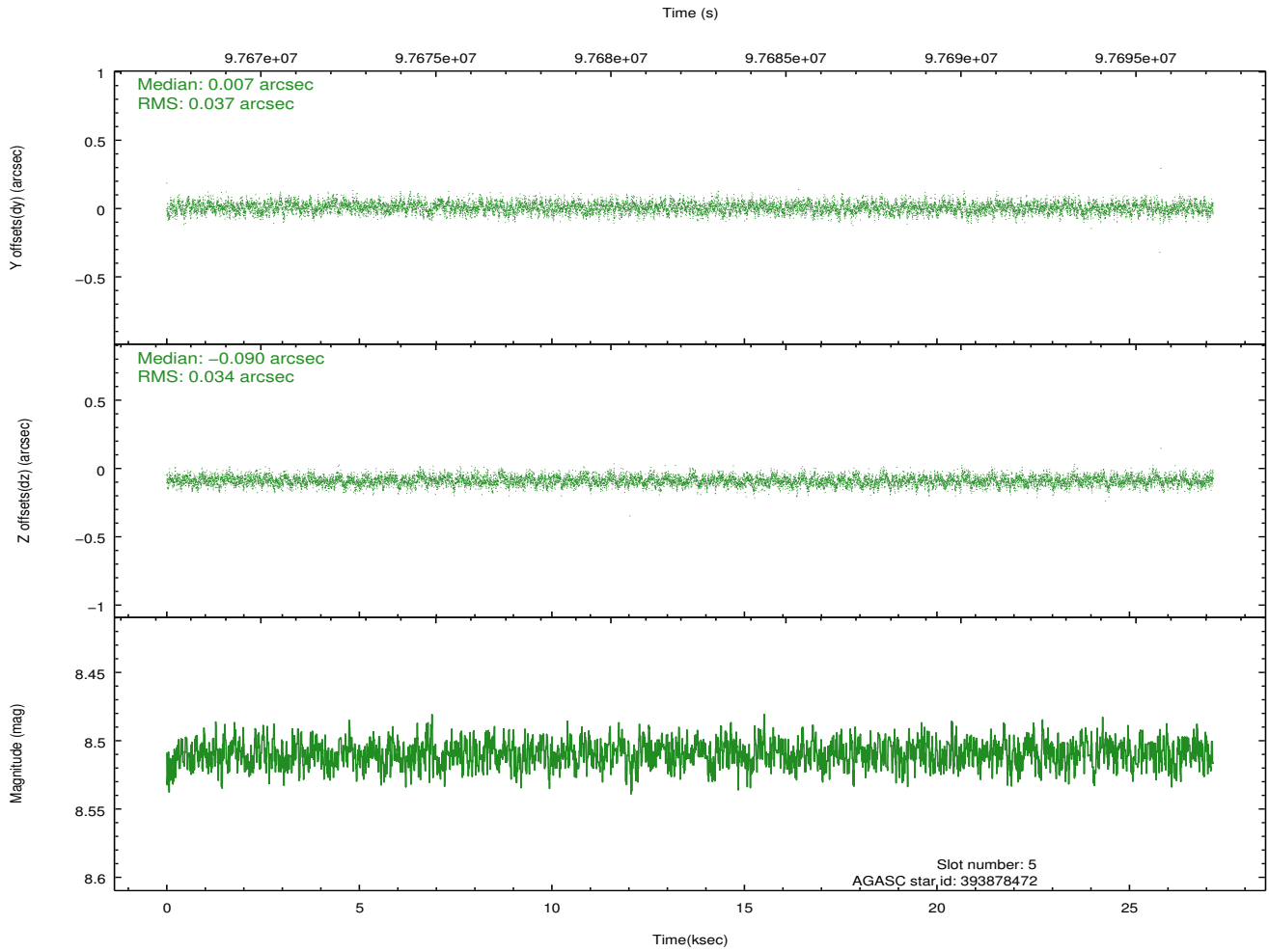
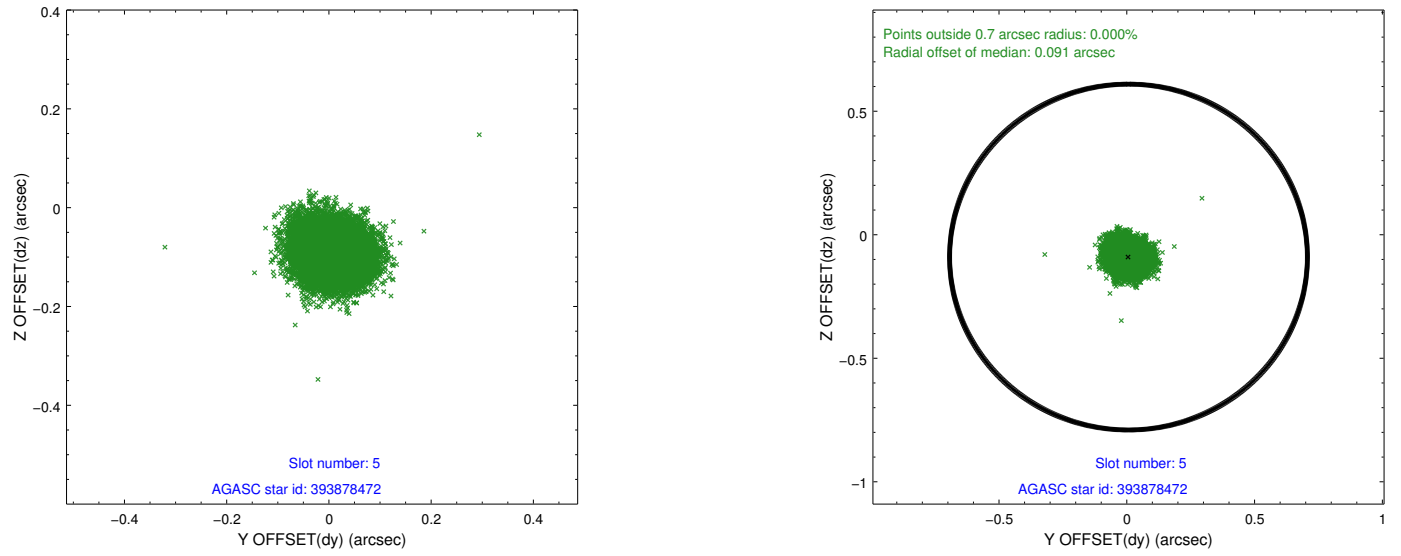
2.4.1 Slot 3



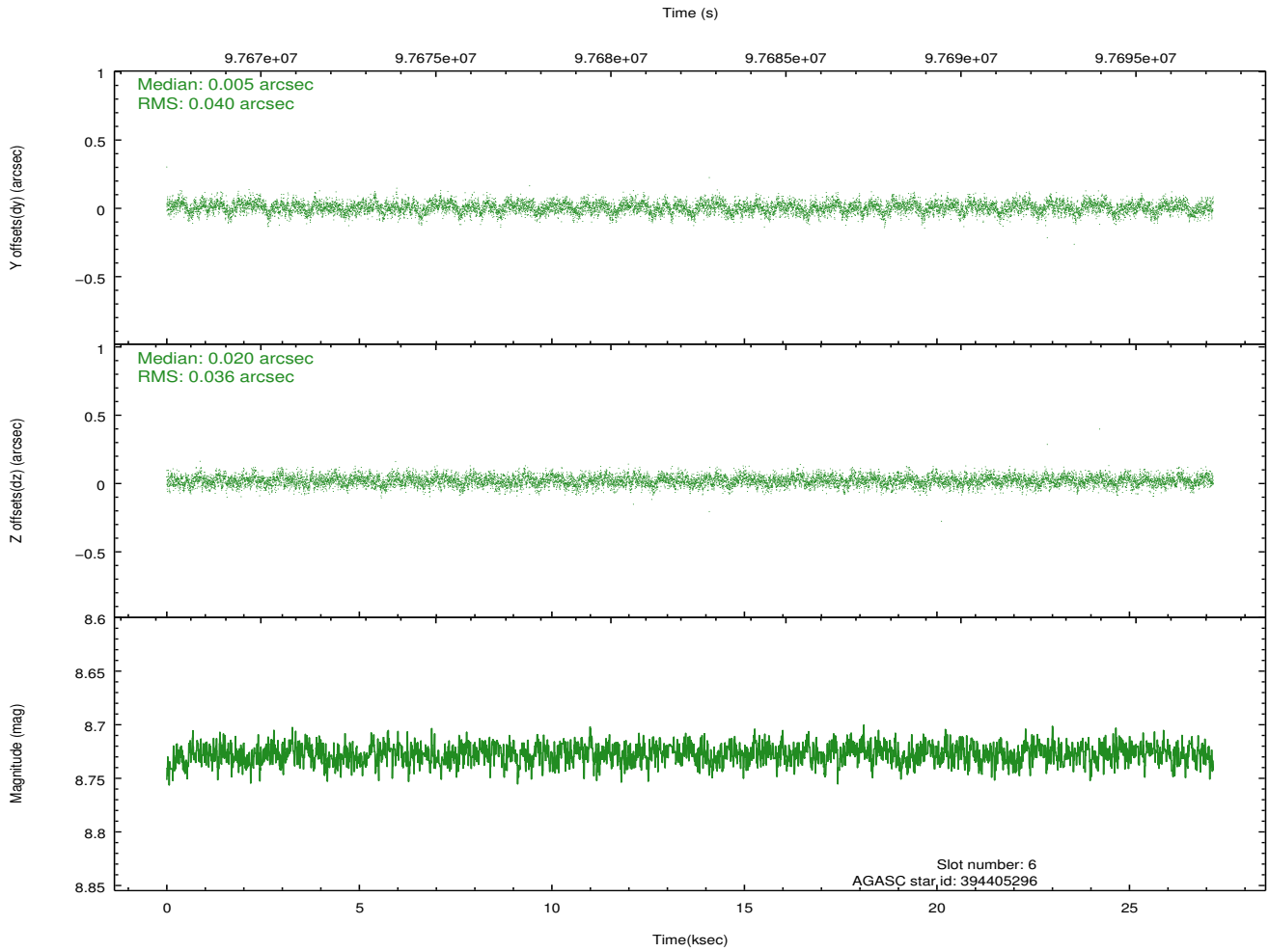
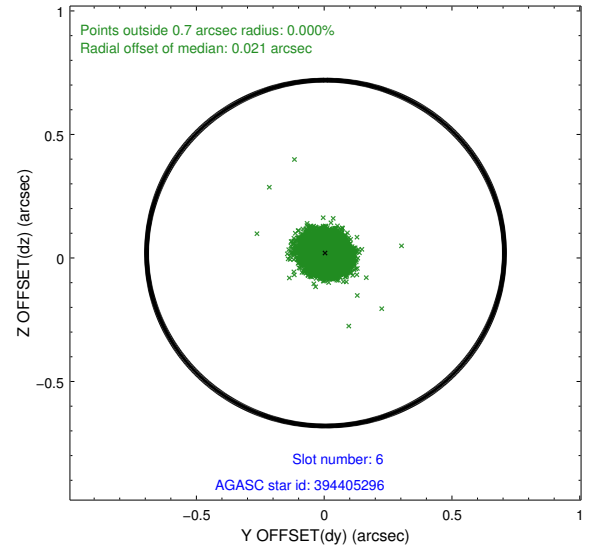
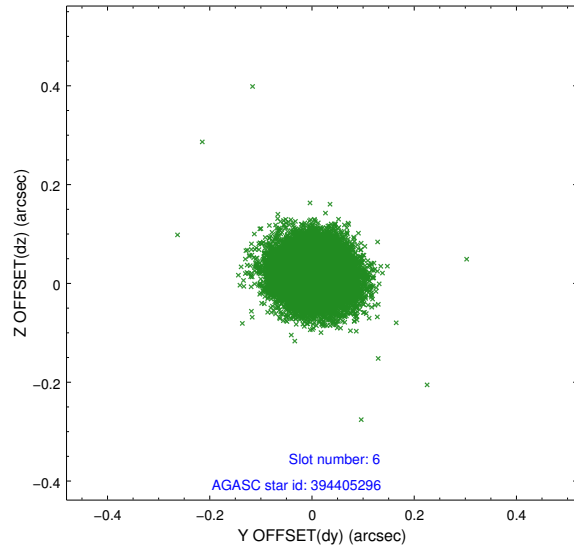
2.4.2 Slot 4



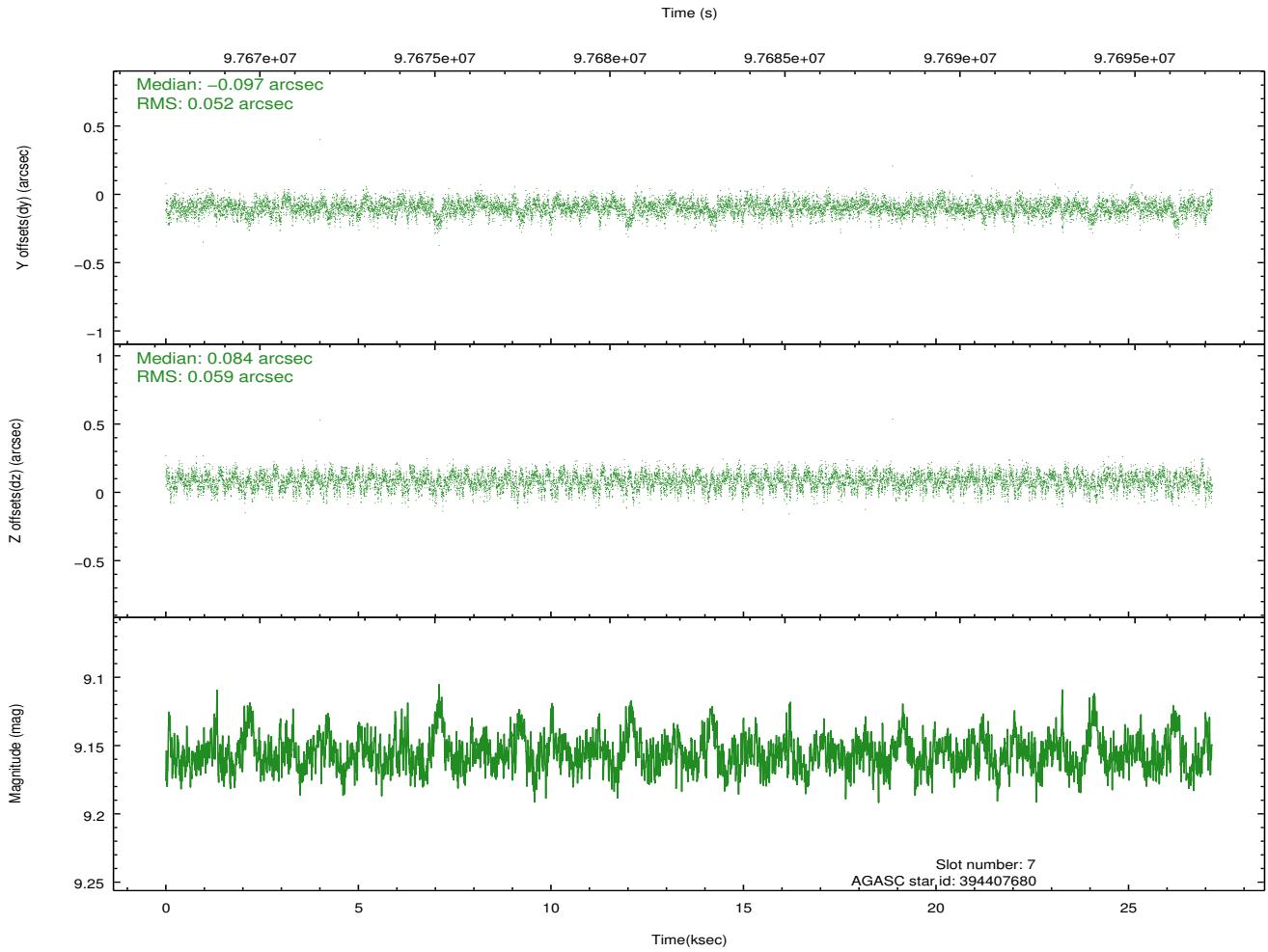
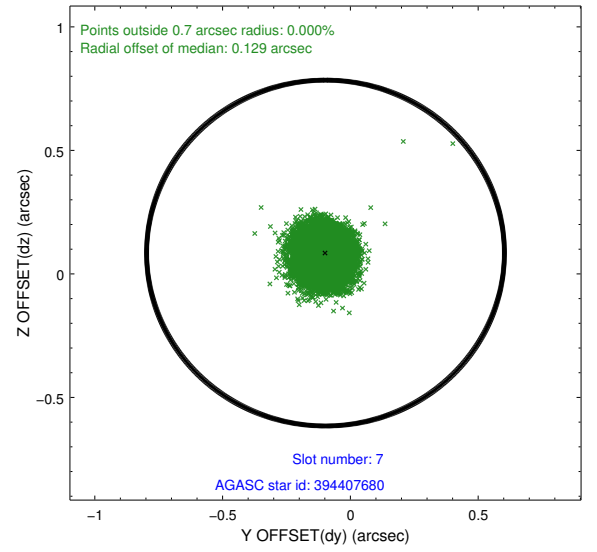
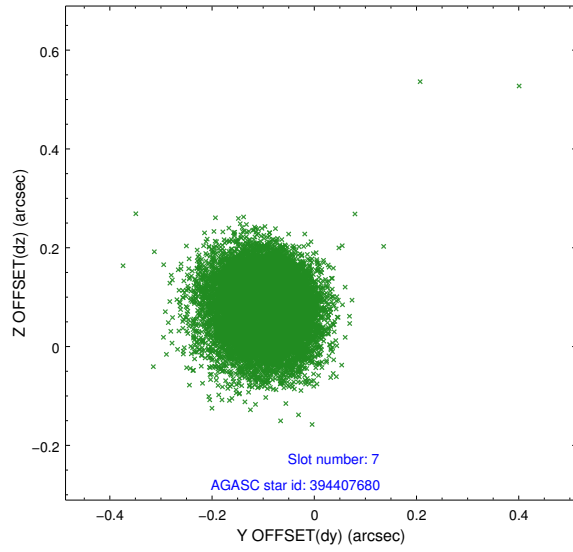
2.4.3 Slot 5



2.4.4 Slot 6

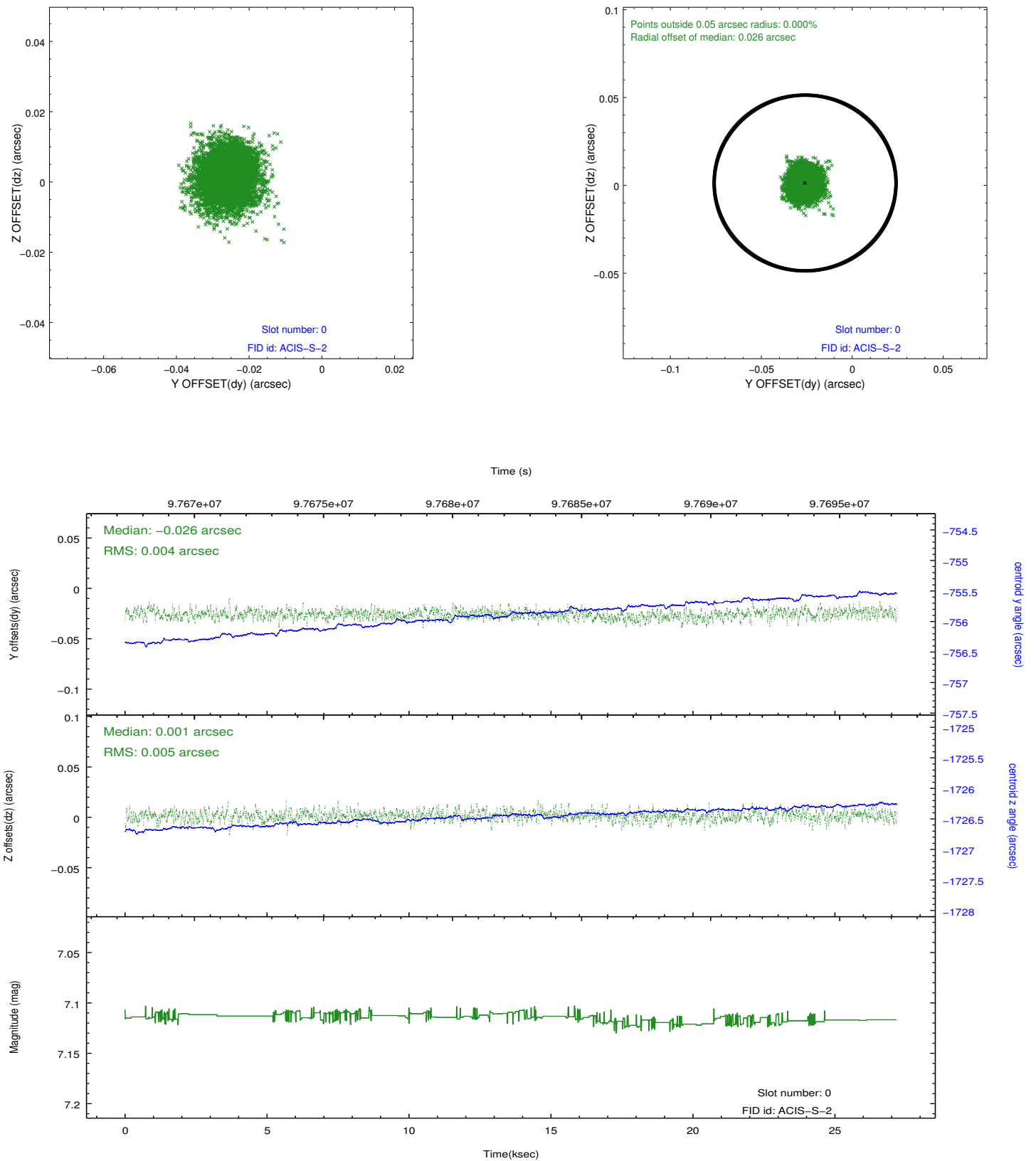


2.4.5 Slot 7

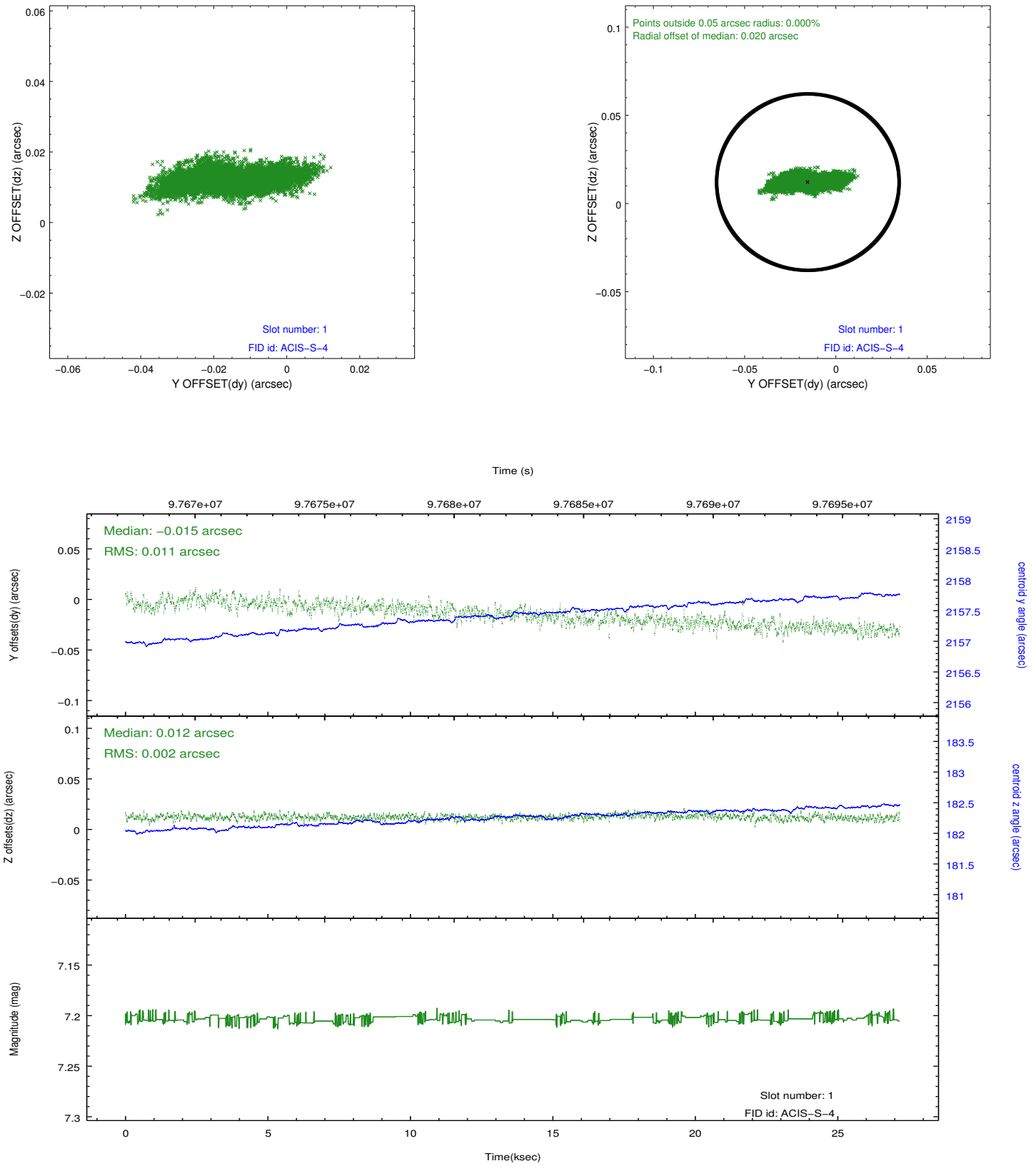


2.5 FID Slots

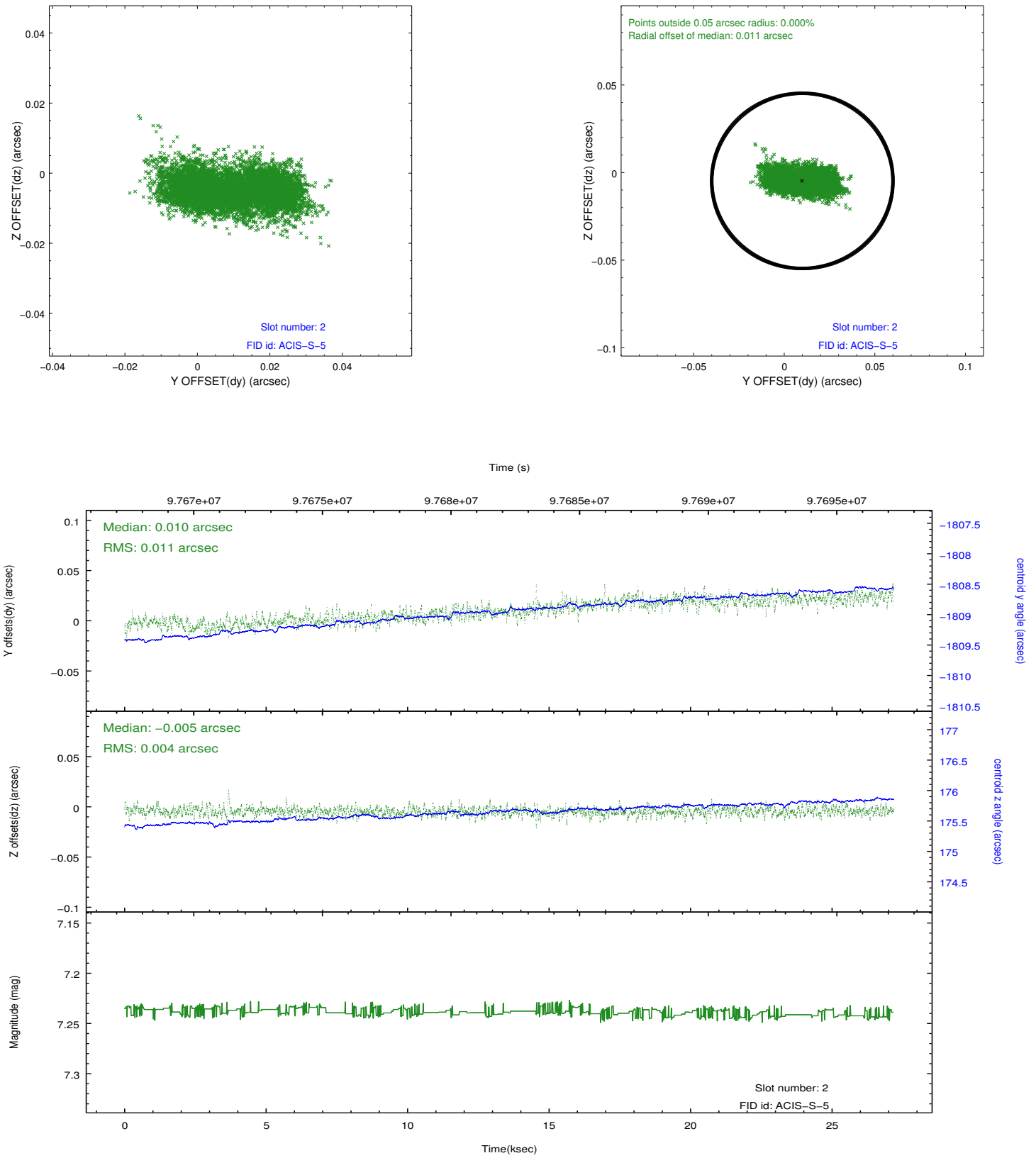
2.5.1 Slot 0



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	27.172

A.2 Comments