

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12737 - L2 Version 2
Chandra X-Ray Center

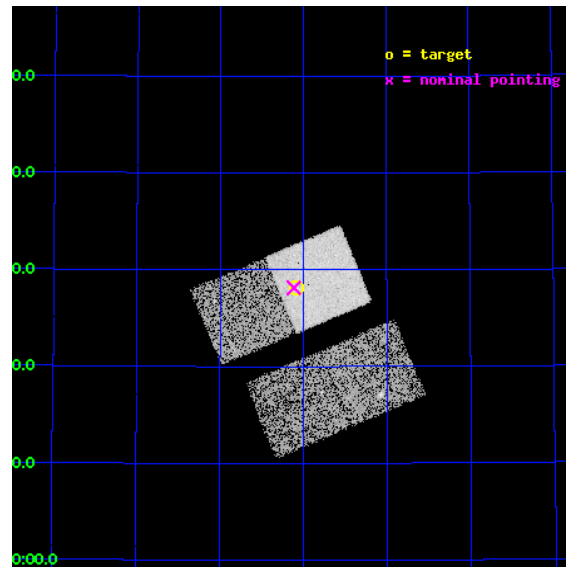
L2 Processing Date : Jul 5 2012

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1 Front

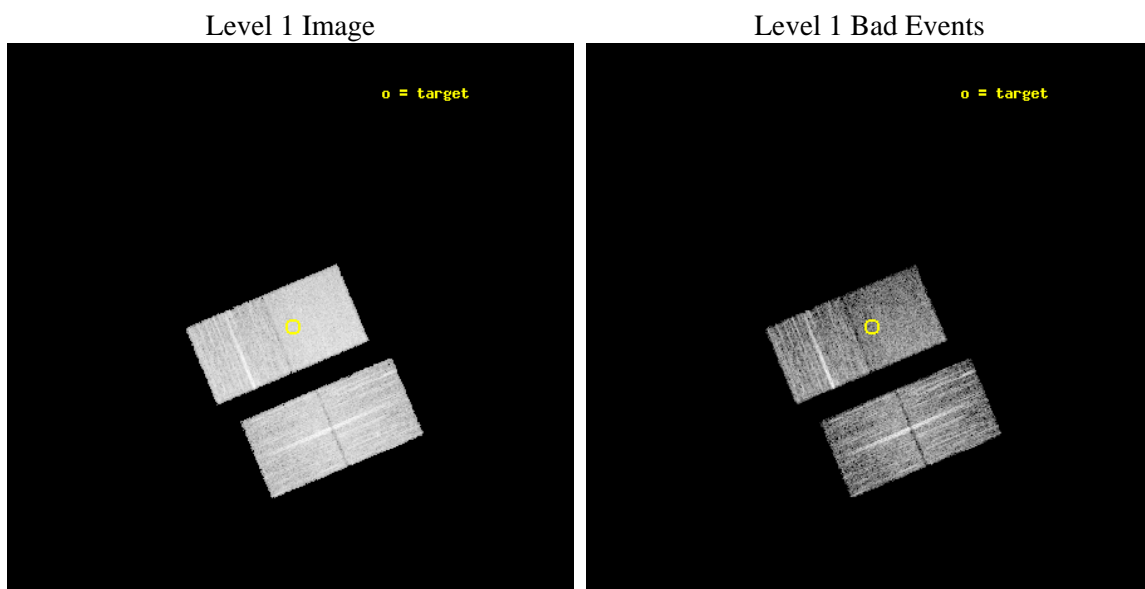
seq_num	702373	Sequence number
obs_id	12737	Observation id
title	Completing the Chandra 3C Snapshot Survey: Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C 319	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	231.020417	Observer's specified target RA [deg]
dec_targ	54.468306	Observer's specified target Dec [deg]
ra_nom	231.02864050086	Nominal RA [deg]
dec_nom	54.469029513962	Nominal Dec [deg]
roll_nom	337.25386772882	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8549.8000657558	Sum of GTIs [s]
livetime	8438.0906336255	Livetime [s]
ontime2	8549.8000657558	Sum of GTIs [s]
ontime3	8549.8000657558	Sum of GTIs [s]
ontime6	8549.8000657558	Sum of GTIs [s]
ontime7	8549.8000657558	Sum of GTIs [s]
l2events	49912	Number of level 2 events



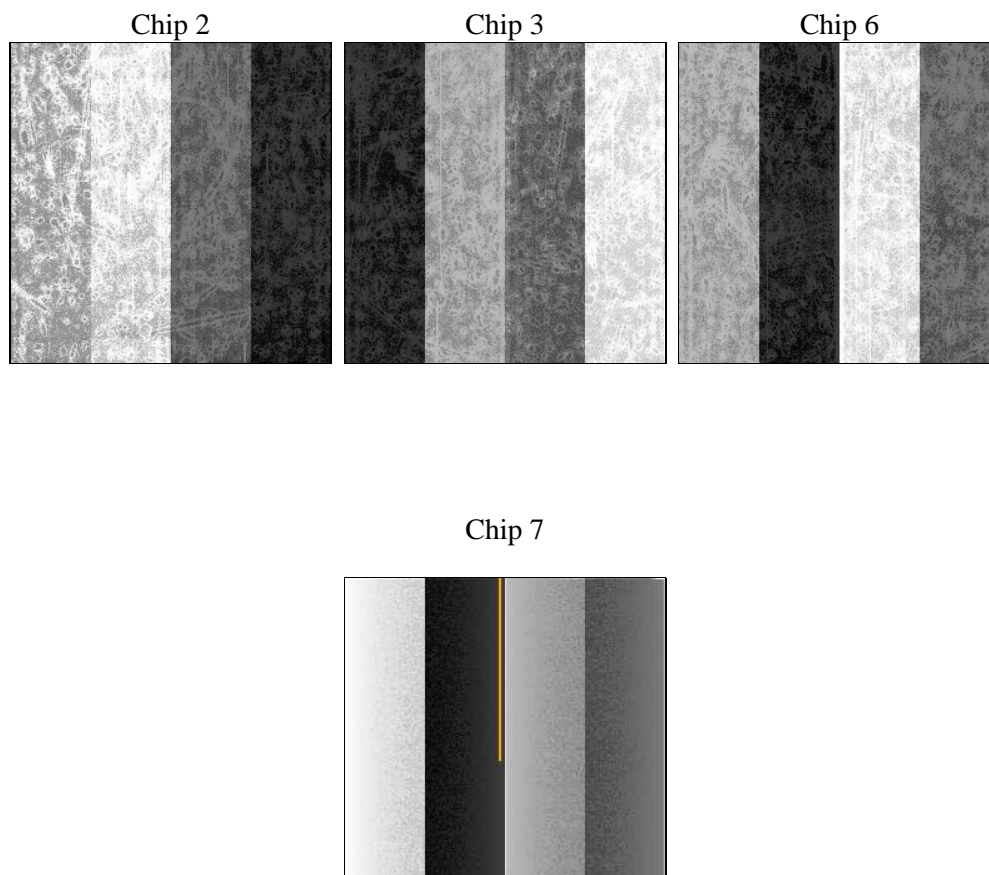
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8549.8000657558	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	8549.8000657558	Sum of GTIs [s]
date	2012-07-05T20:36:47	Date and time of file creation	ontime3	8549.8000657558	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8549.8000657558	Sum of GTIs [s]
			ontime7	8549.8000657558	Sum of GTIs [s]
			l1events	251519	Number of level 1 events

2.1.4 Events

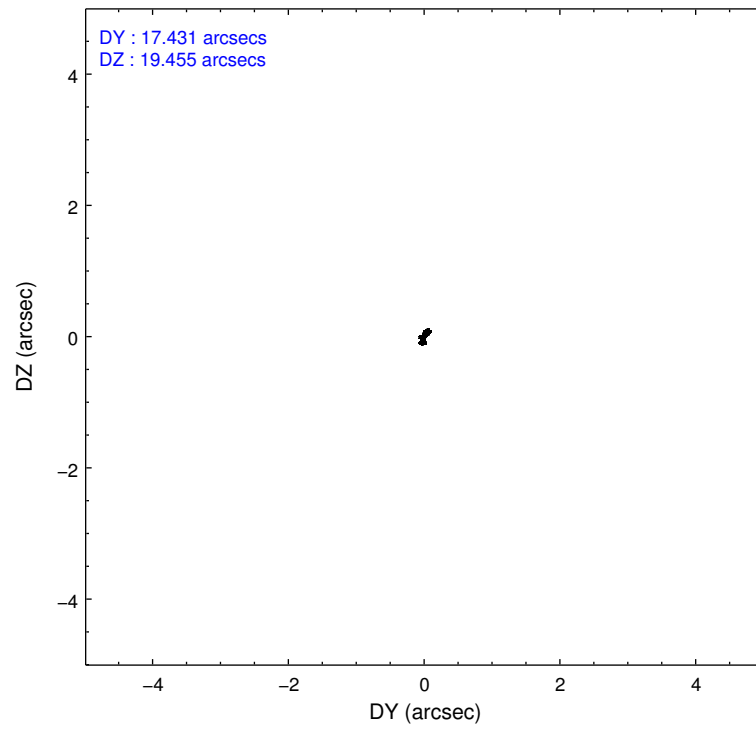
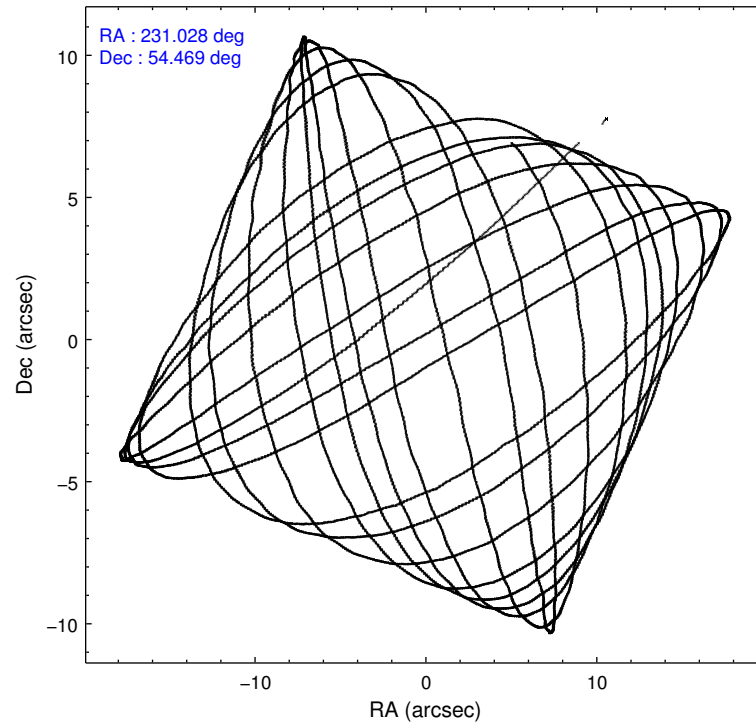
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	58148	58997	59837	74537
rejected events	51686	52653	52899	40775
rejected %	88%	89%	88%	54%

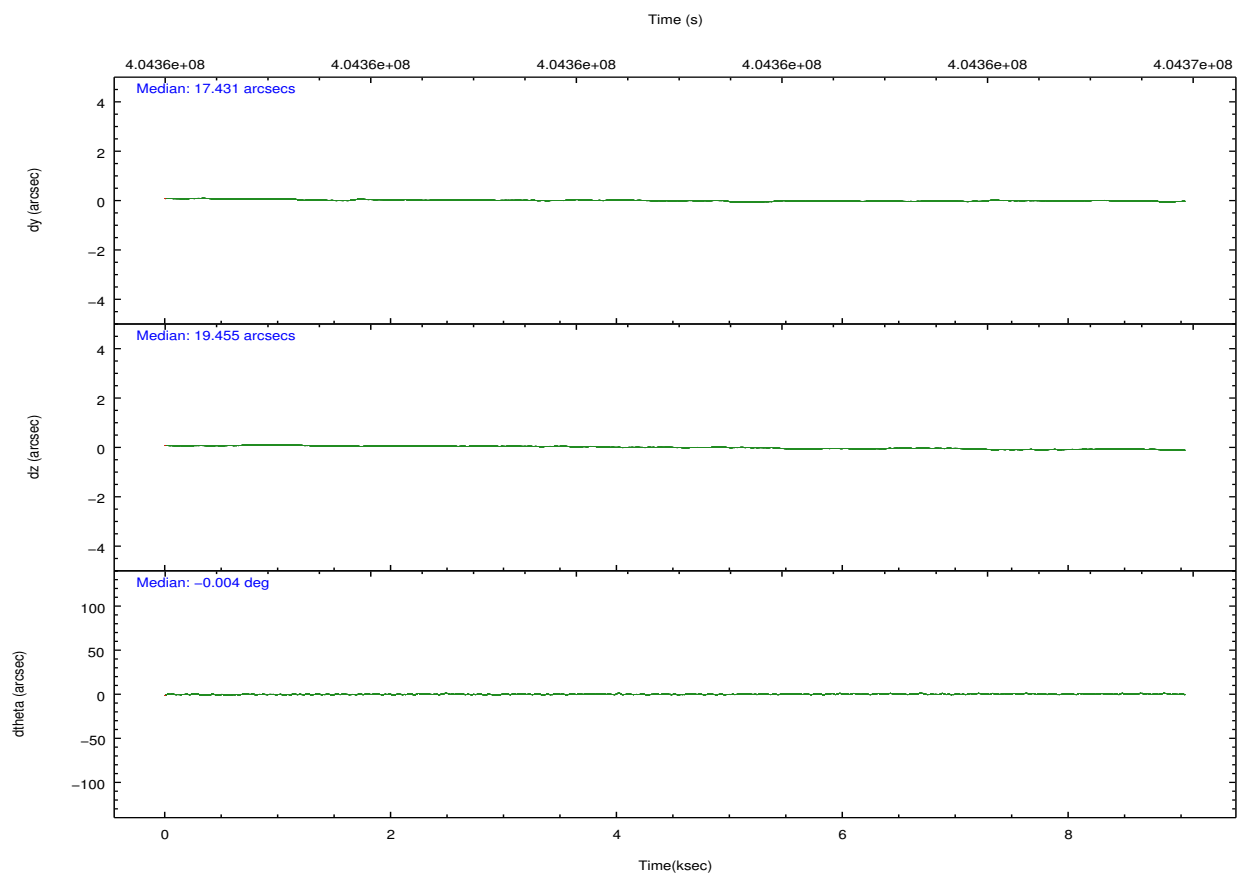
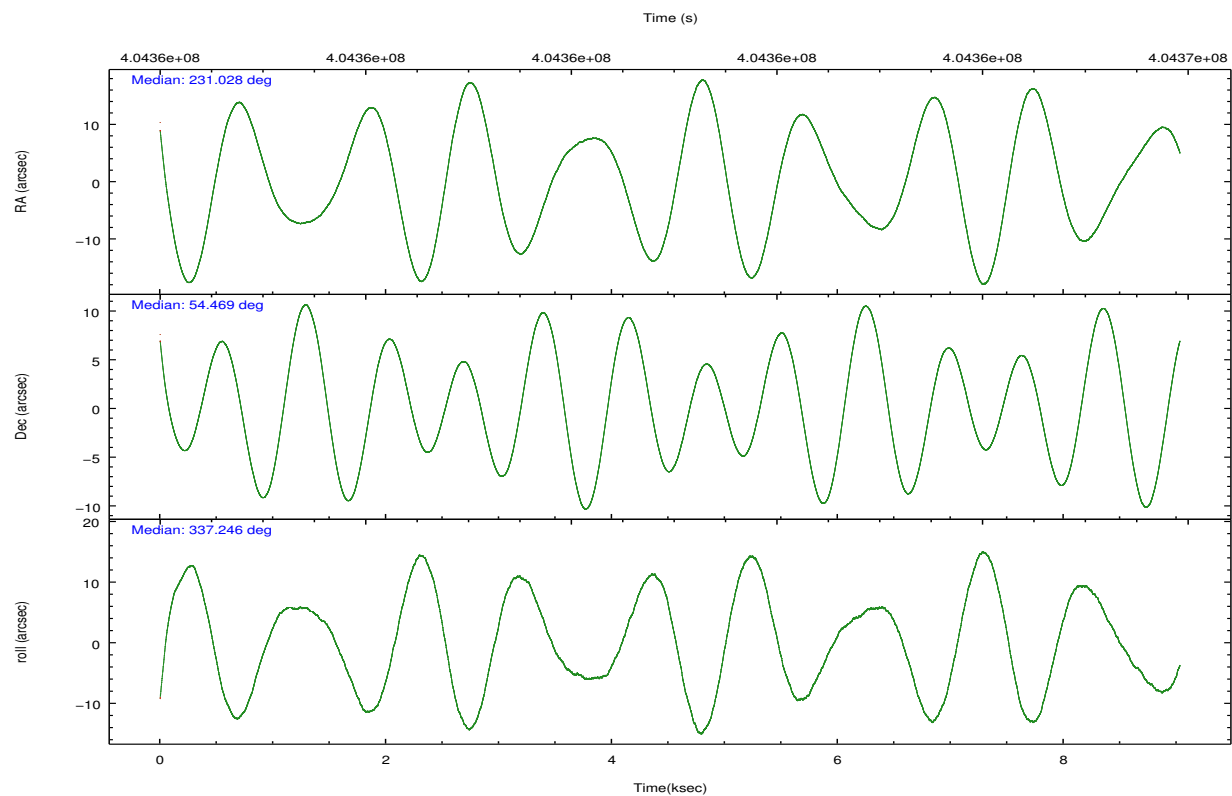
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2345	2291	2448	3144
	4%	3%	4%	4%
grade 1 events	43	31	23	107
	0%	0%	0%	0%
grade 2 events	1504	1467	1550	6829
	2%	2%	2%	9%
grade 3 events	676	701	721	2955
	1%	1%	1%	3%
grade 4 events	713	658	737	3032
	1%	1%	1%	4%
grade 5 events	2373	2684	2784	7856
	4%	4%	4%	10%
grade 6 events	1228	1232	1486	17828
	2%	2%	2%	23%
grade 7 events	49266	49933	50088	32786
	84%	84%	83%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	230.982083	231.0286405008649	CCD I2 on	O1	Y
[deg] Pointing Dec	54.465229	54.46902951396193	CCD I3 on	O2	Y
[deg] Pointing Roll	337.135134	337.2538677288182	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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	N	N
[s] Observation start time (MET)	404356982.184000	404355944.36992	CCD S5 on	N	N
Observation start date	2010-10-25T01:21:56	2010-10-25T01:05:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	404365482.184000	404366446.00796	On-chip summing requested	N	N
Observation end date	2010-10-25T03:43:36	2010-10-25T04:00:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



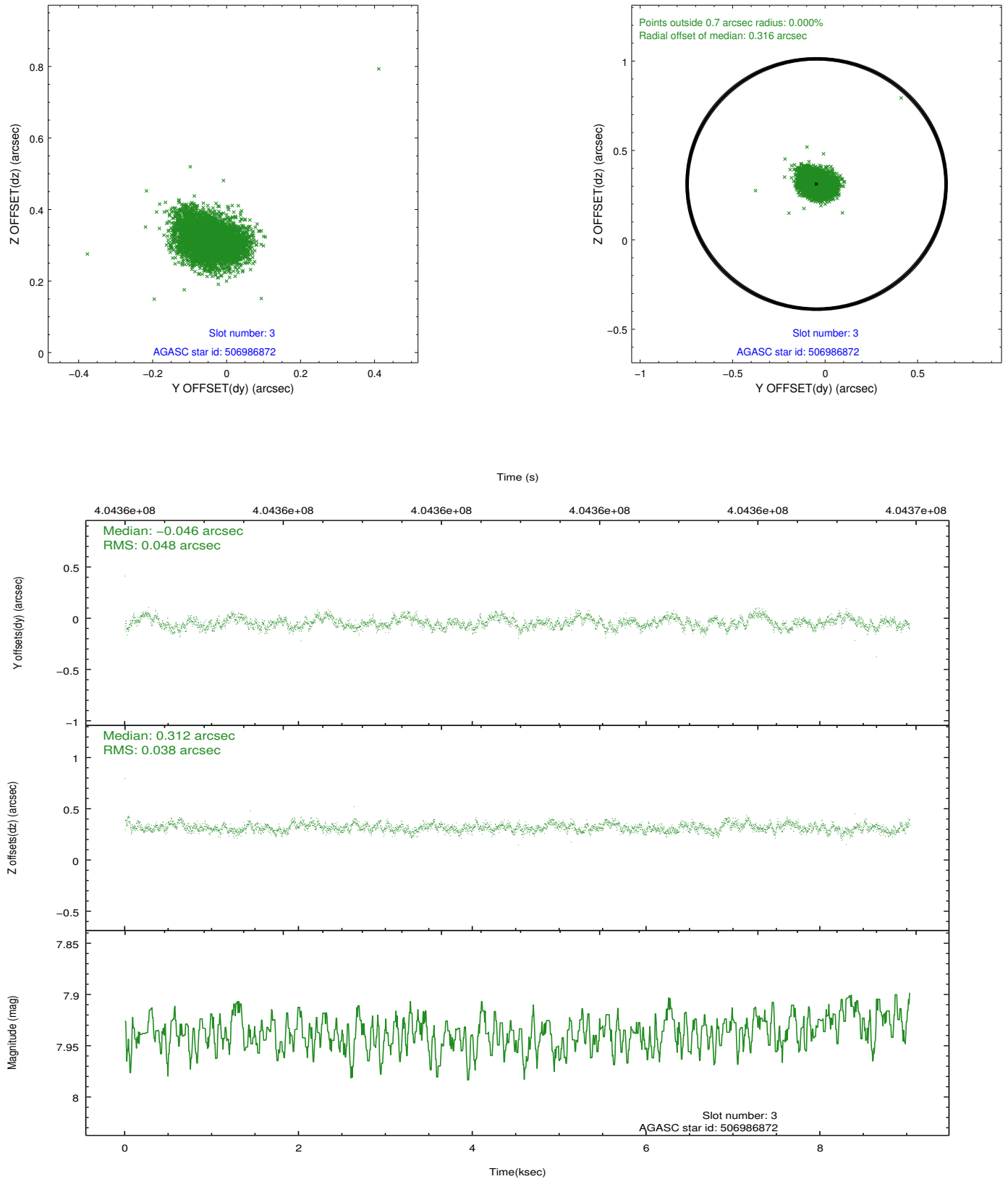


Slot Statistics

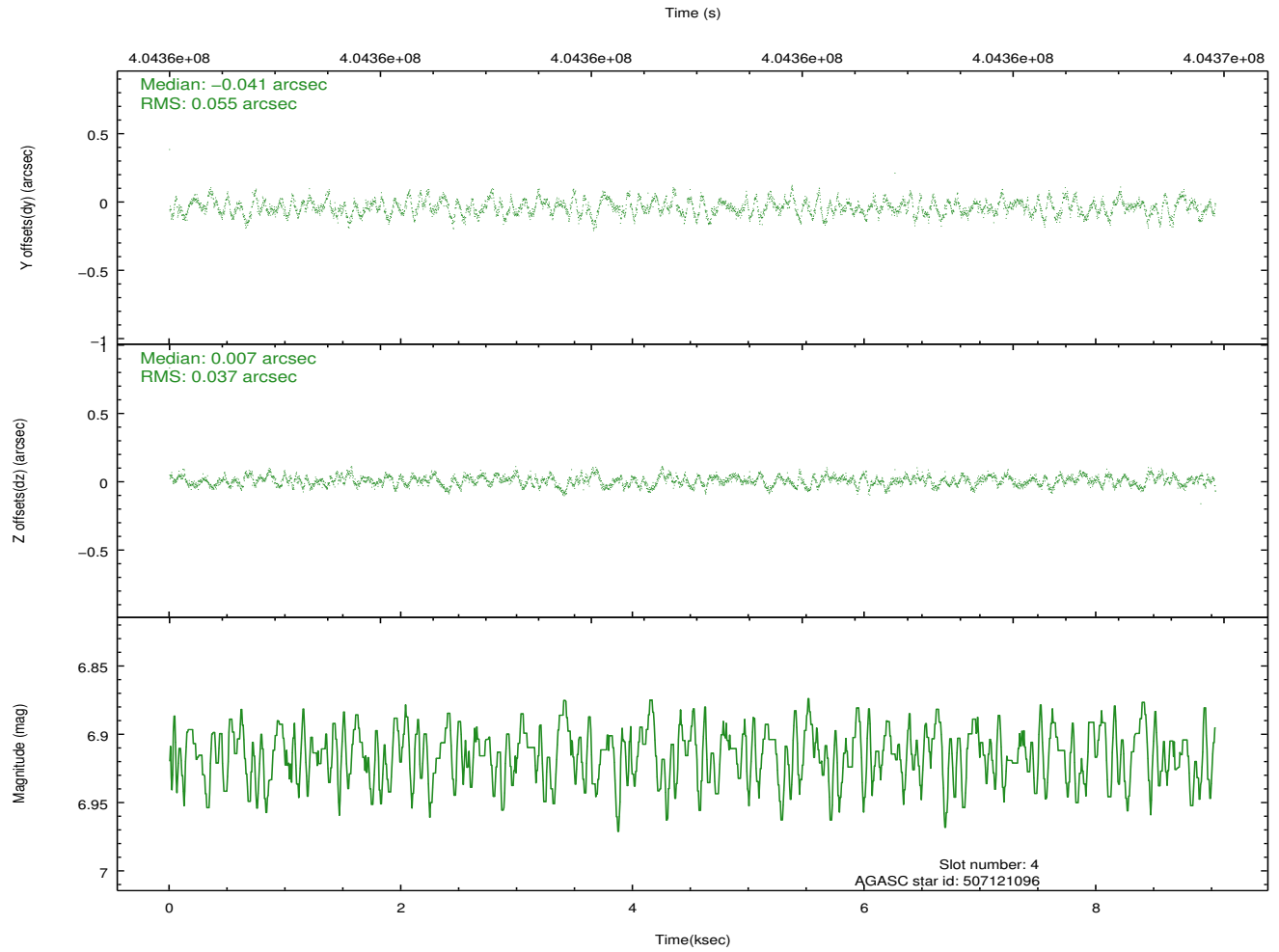
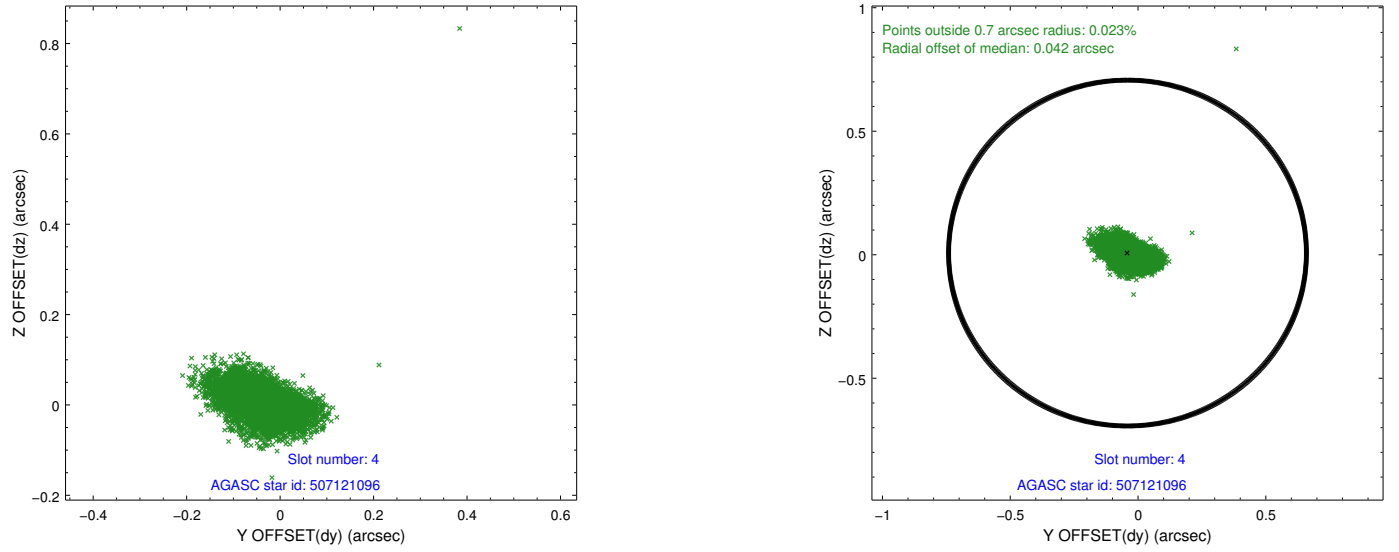
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2203	-0.089	-0.035	0.006	0.010	0.000000	0.000000	-770.56	-1740.99
1	FID	ACIS-S-4	6.97	2203	0.200	0.052	0.005	0.009	0.000000	0.000000	2142.73	166.95
2	FID	ACIS-S-5	7.00	2203	-0.141	-0.009	0.006	0.010	0.000000	0.000000	-1822.68	161.25
3	GUIDE	506986872	7.94	4404	-0.046	0.312	0.065	0.104	230.265485	53.928525	-651.33	-2362.68
4	GUIDE	507121096	6.91	4406	-0.041	0.007	0.069	0.115	231.634131	54.020297	1891.06	-933.99
5	GUIDE	507379992	8.83	4401	-0.086	-0.173	0.085	0.135	230.788850	55.186337	-1374.62	2238.16
6	GUIDE	507383648	8.94	4403	0.047	-0.075	0.078	0.130	230.666968	55.109958	-1500.65	1888.81
7	GUIDE	507383800	9.20	4399	0.123	-0.074	0.092	0.148	230.665882	55.074748	-1453.94	1770.42

2.4 Star Slots

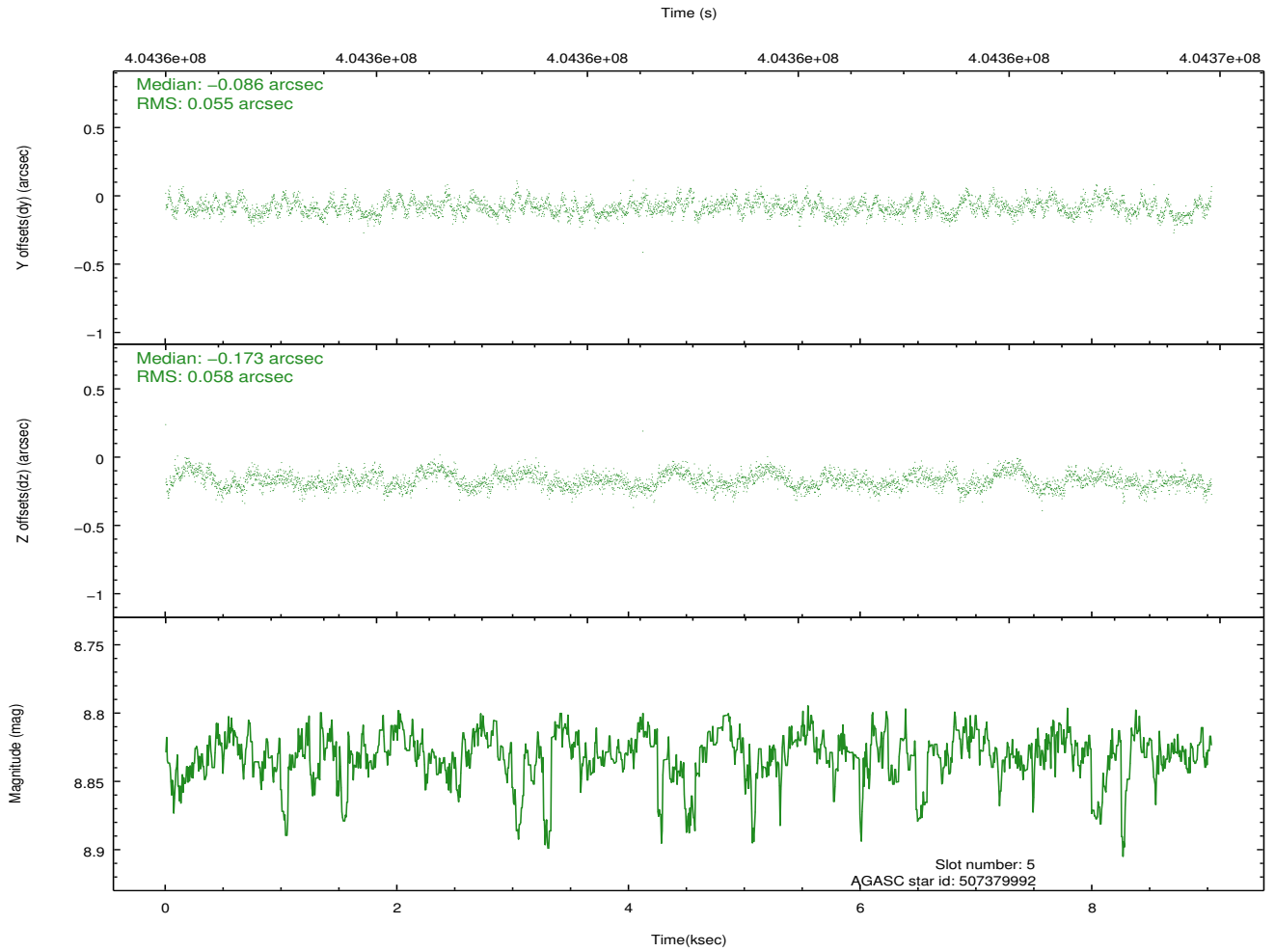
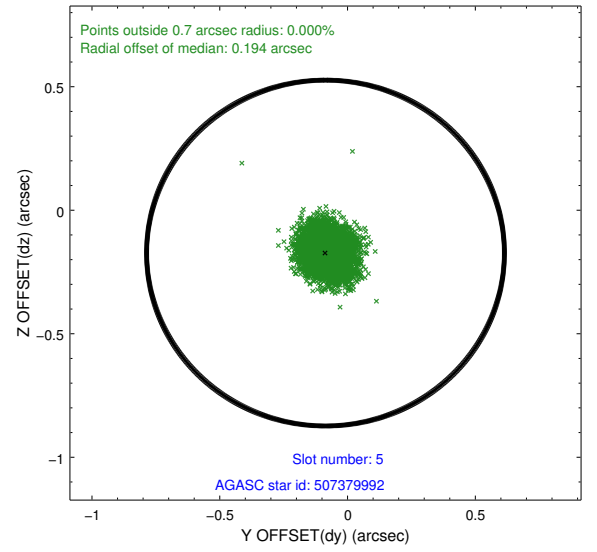
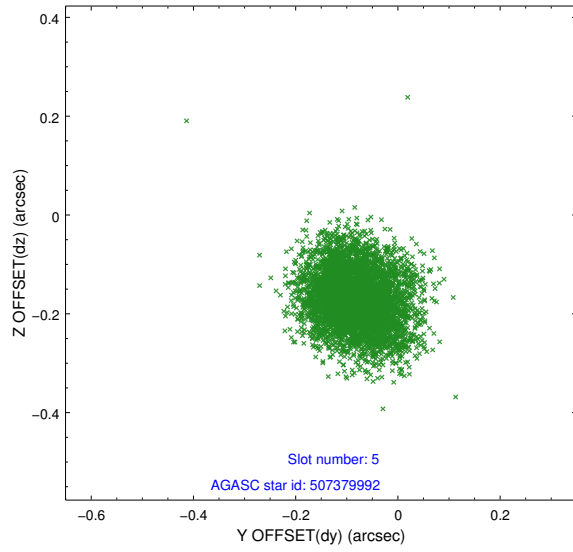
2.4.1 Slot 3



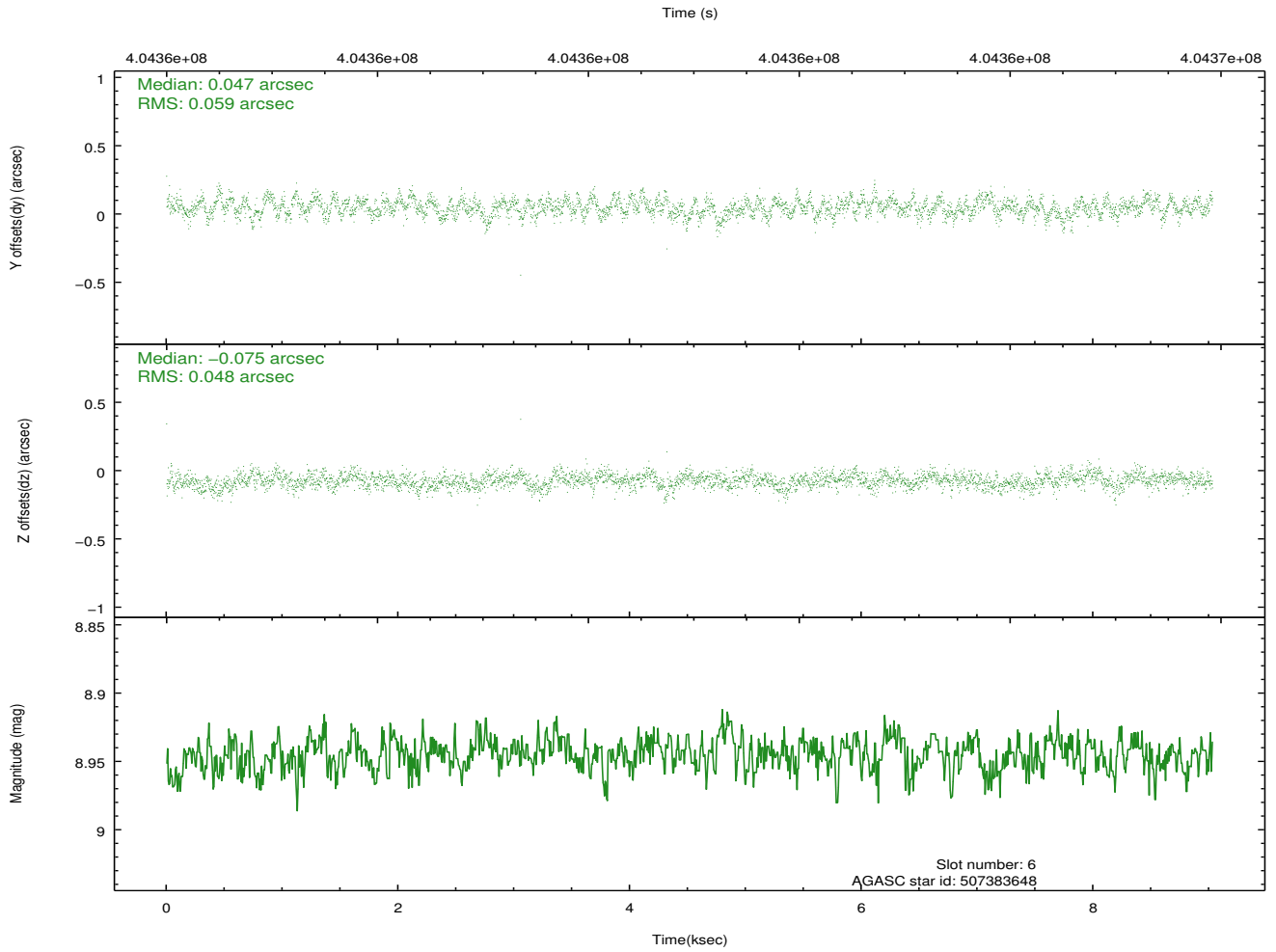
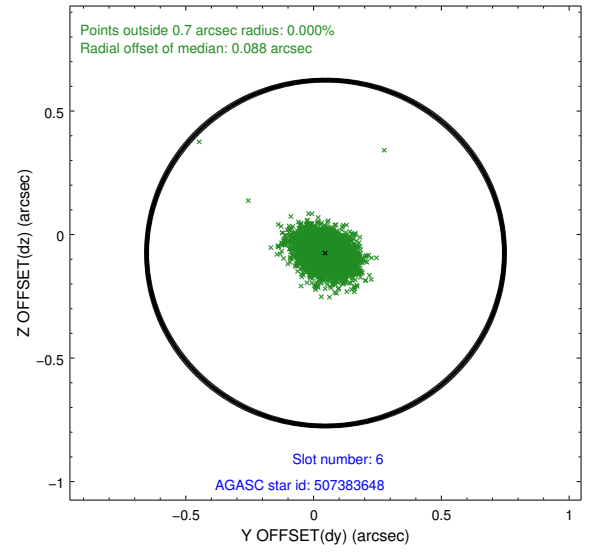
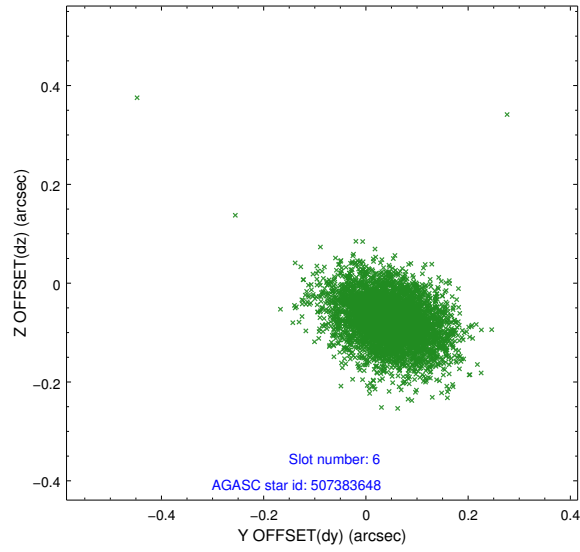
2.4.2 Slot 4



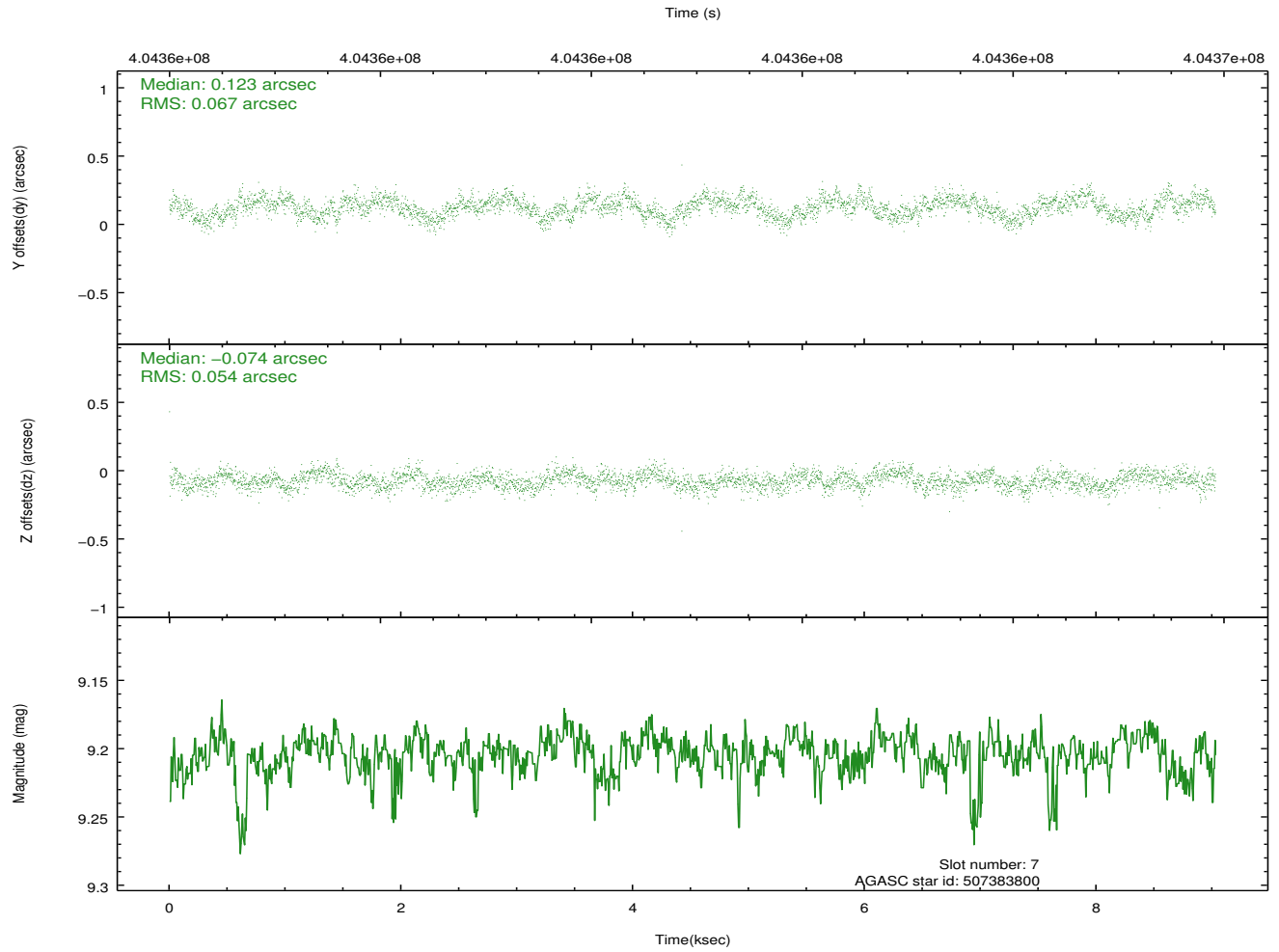
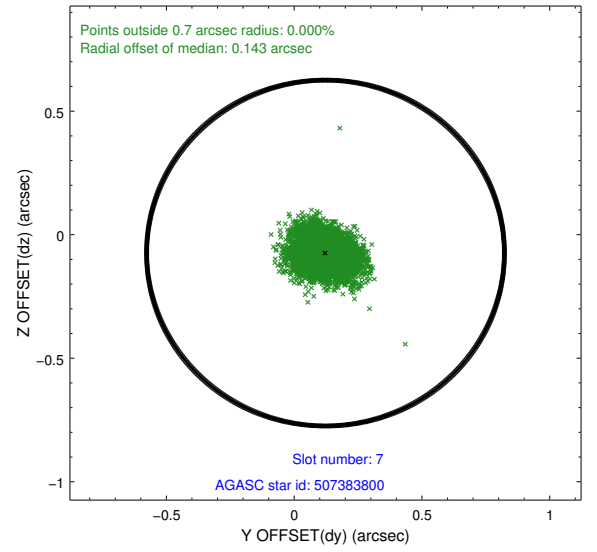
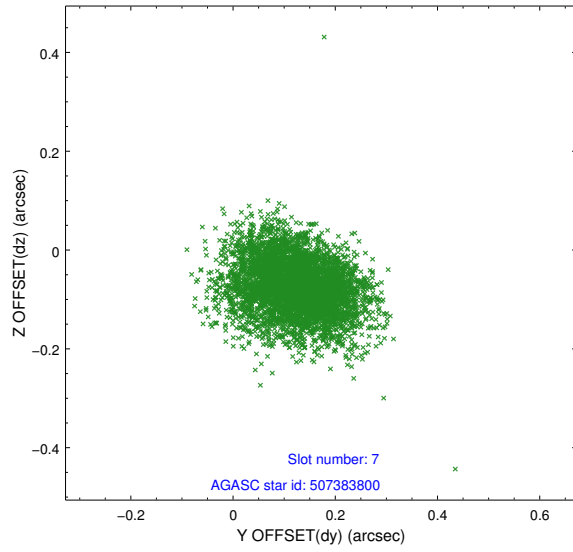
2.4.3 Slot 5



2.4.4 Slot 6

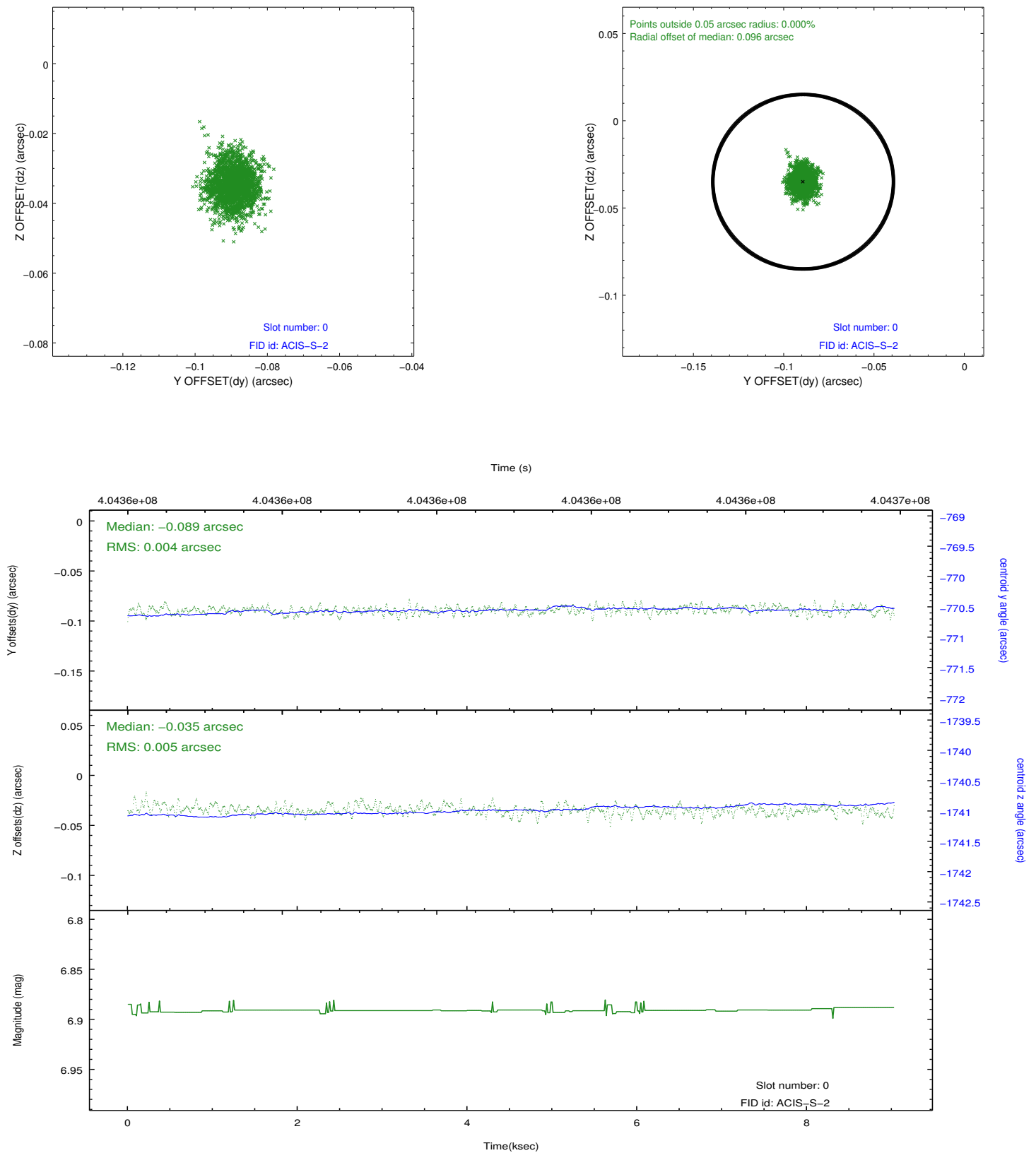


2.4.5 Slot 7

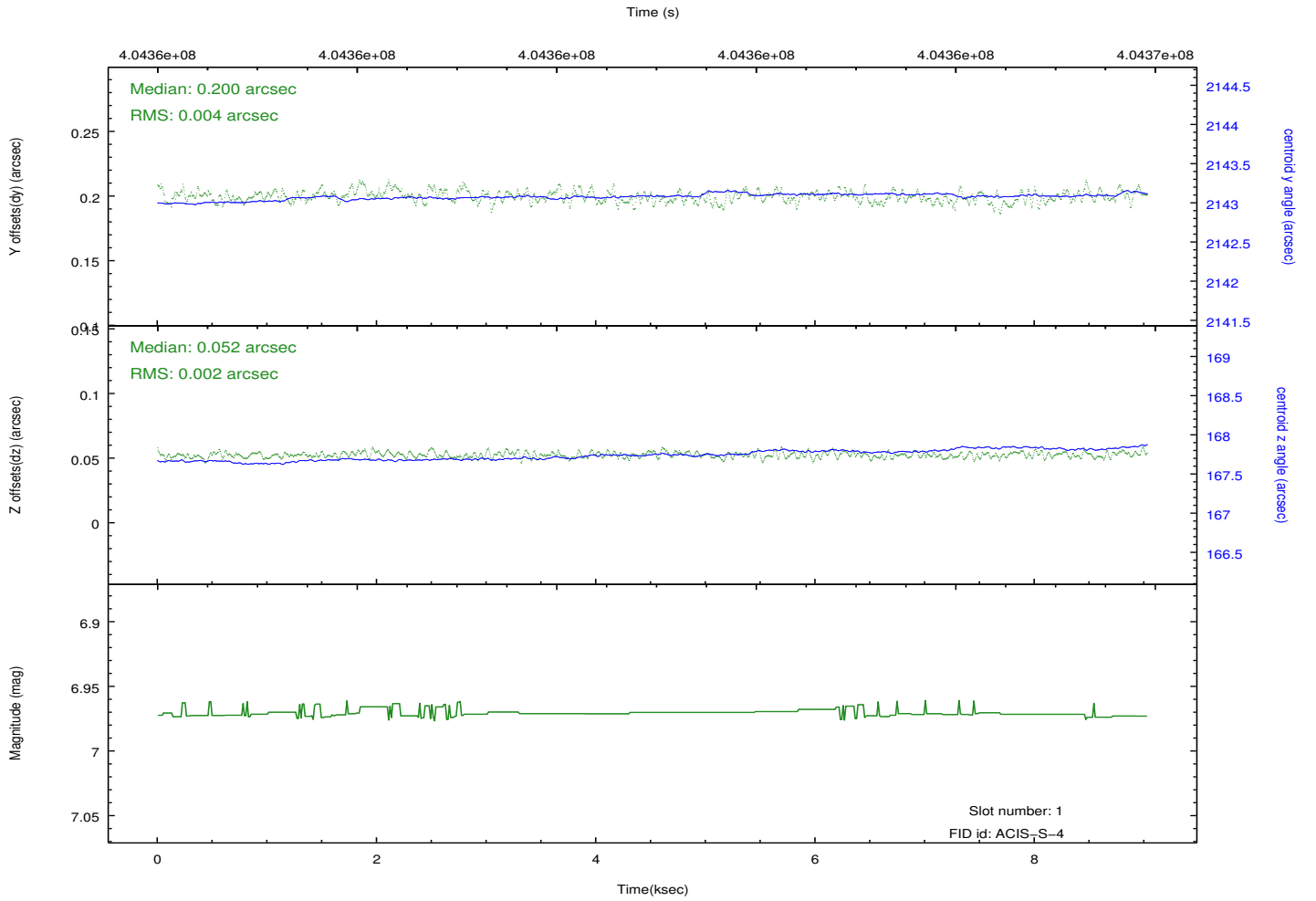
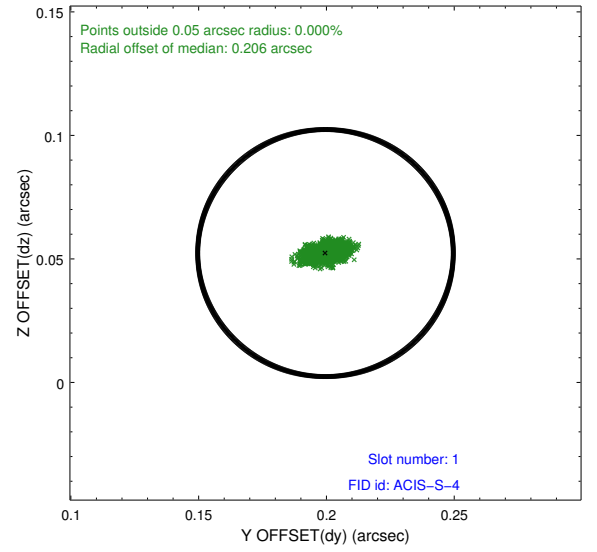
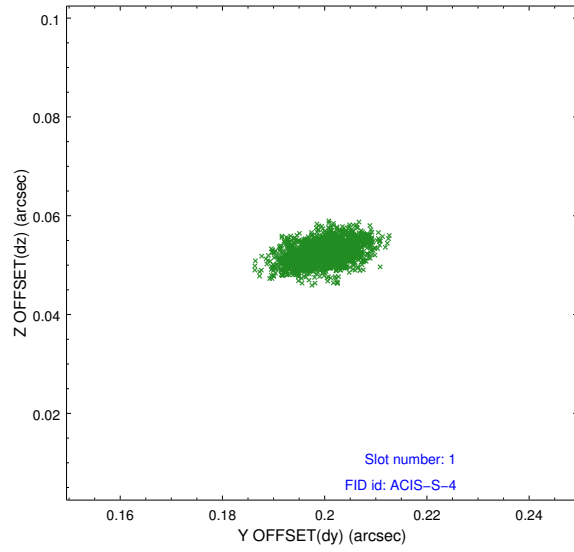


2.5 FID Slots

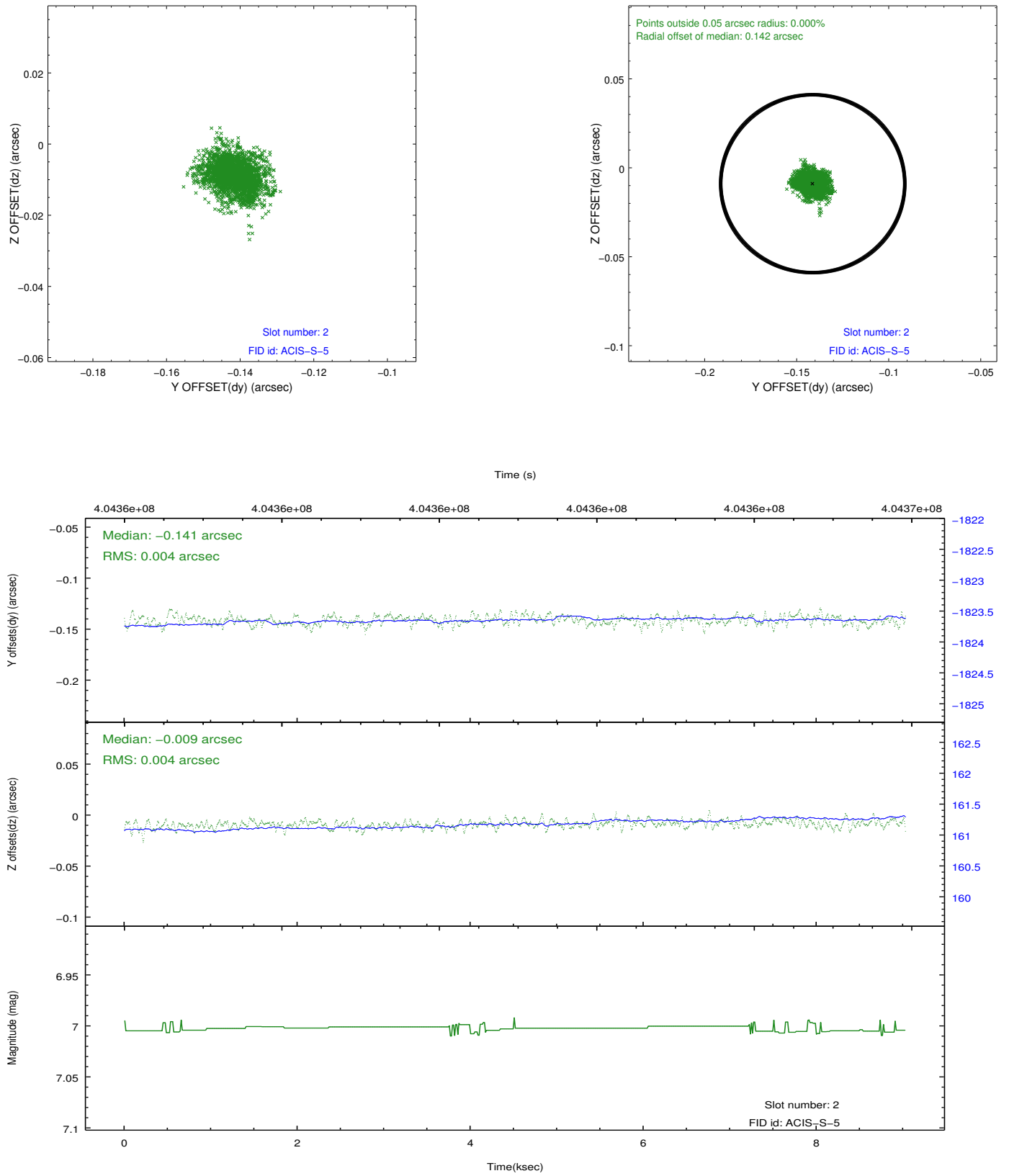
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.5498000657558

A.2 Comments