

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1530 - L2 Version 3
Chandra X-Ray Center

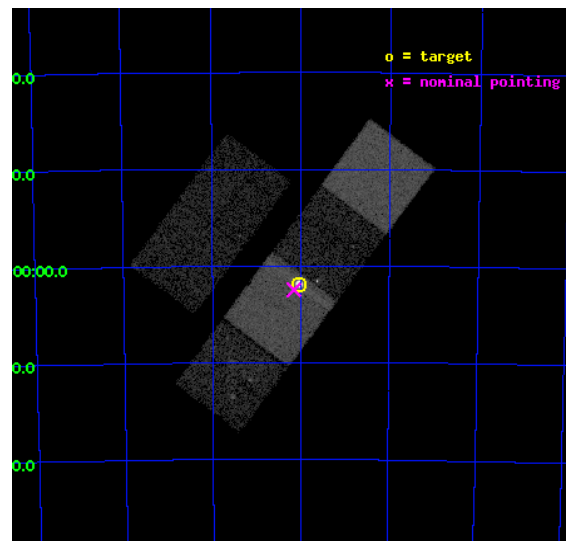
L2 Processing Date : Sep 17 2012

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1 Front

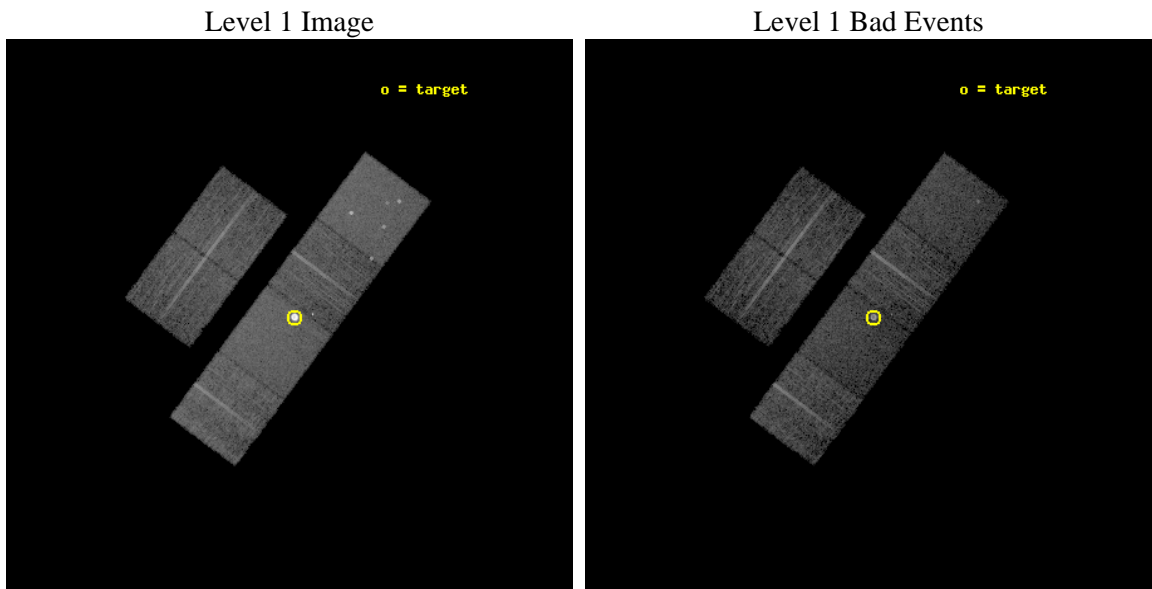
seq_num	590139	Sequence number
obs_id	1530	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S3, T=120, Offsets=1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.038613181497	Nominal RA [deg]
dec_nom	-72.041103477926	Nominal Dec [deg]
roll_nom	126.75376917704	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7704.270905152	Sum of GTIs [s]
livetime	7606.7147879959	Livetime [s]
ontime2	7701.0709849	Sum of GTIs [s]
ontime3	7704.147785157	Sum of GTIs [s]
ontime5	7704.2298651487	Sum of GTIs [s]
ontime6	7704.1888251603	Sum of GTIs [s]
ontime7	7704.270905152	Sum of GTIs [s]
ontime8	7704.1067451537	Sum of GTIs [s]
l2events	141852	Number of level 2 events



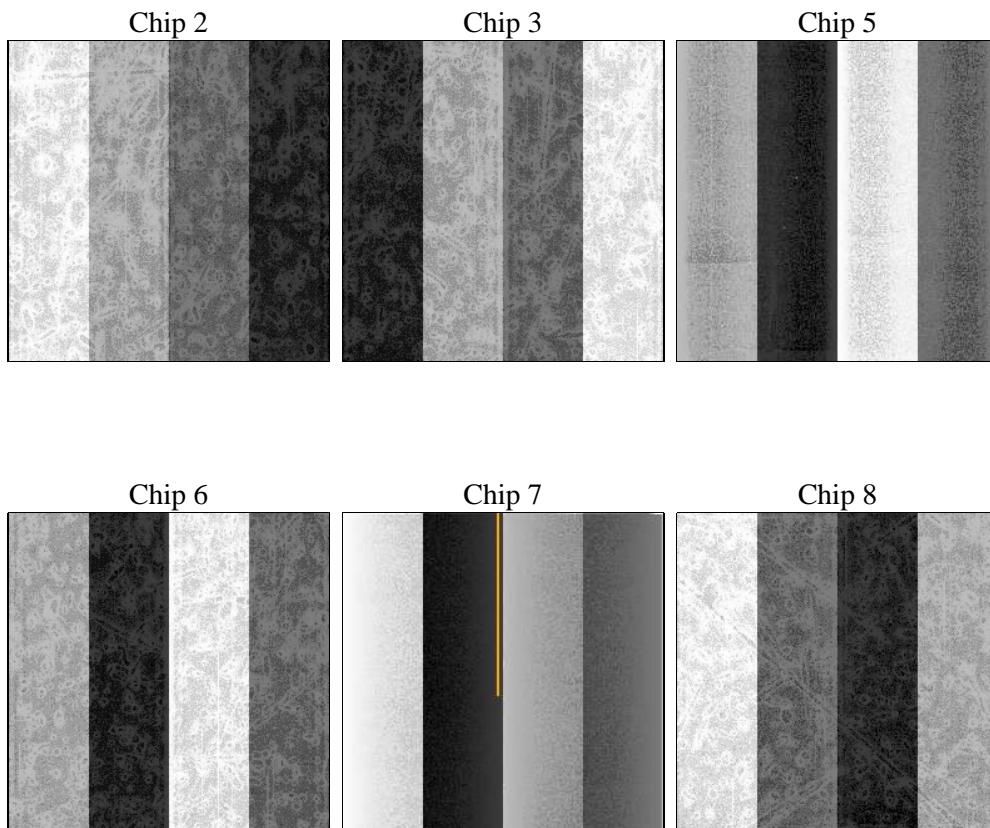
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7755.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7704.270905152	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	7701.0709849	Sum of GTIs [s]
date	2012-09-17T18:04:41	Date and time of file creation	ontime3	7704.147785157	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7704.2298651487	Sum of GTIs [s]
			ontime6	7704.1888251603	Sum of GTIs [s]
			ontime7	7704.270905152	Sum of GTIs [s]
			ontime8	7704.1067451537	Sum of GTIs [s]
			l1events	423047	Number of level 1 events

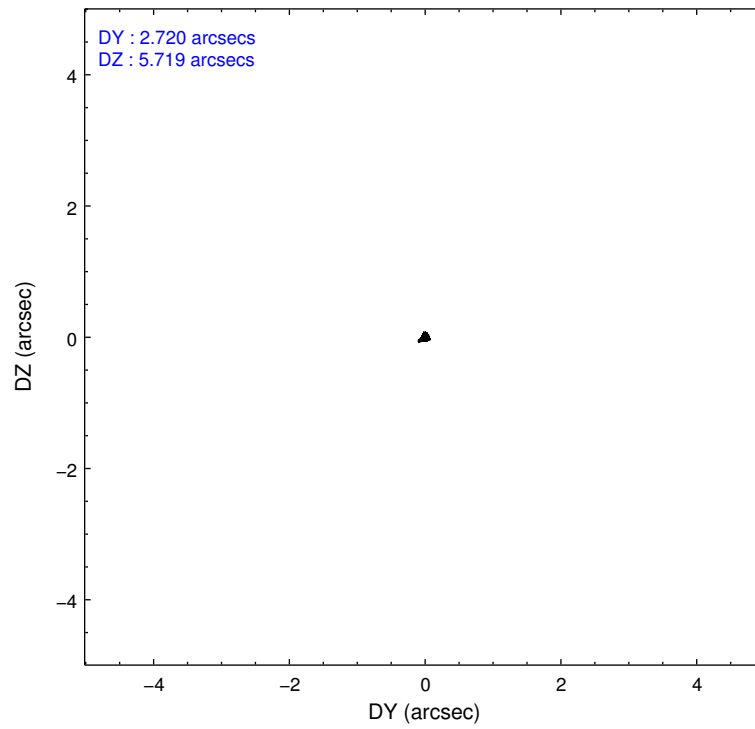
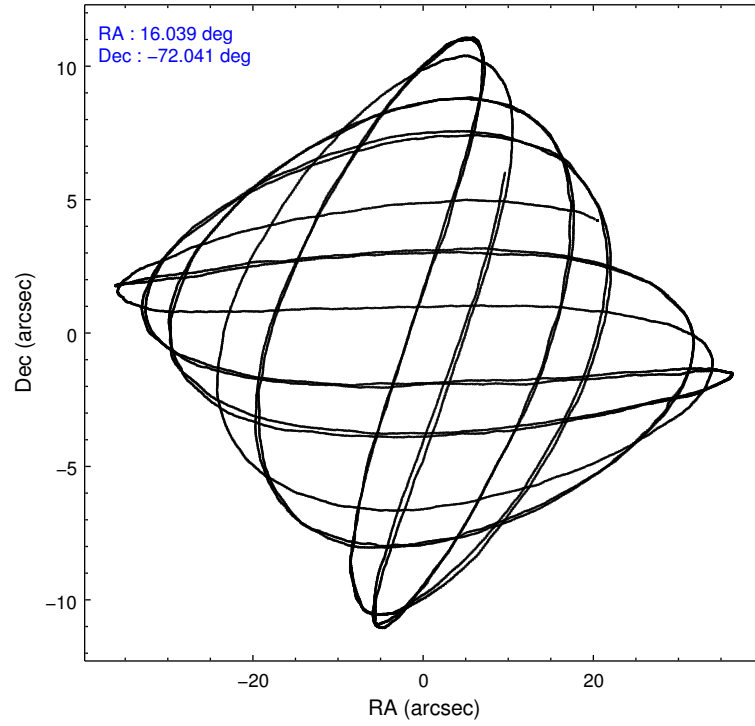
2.1.4 Events

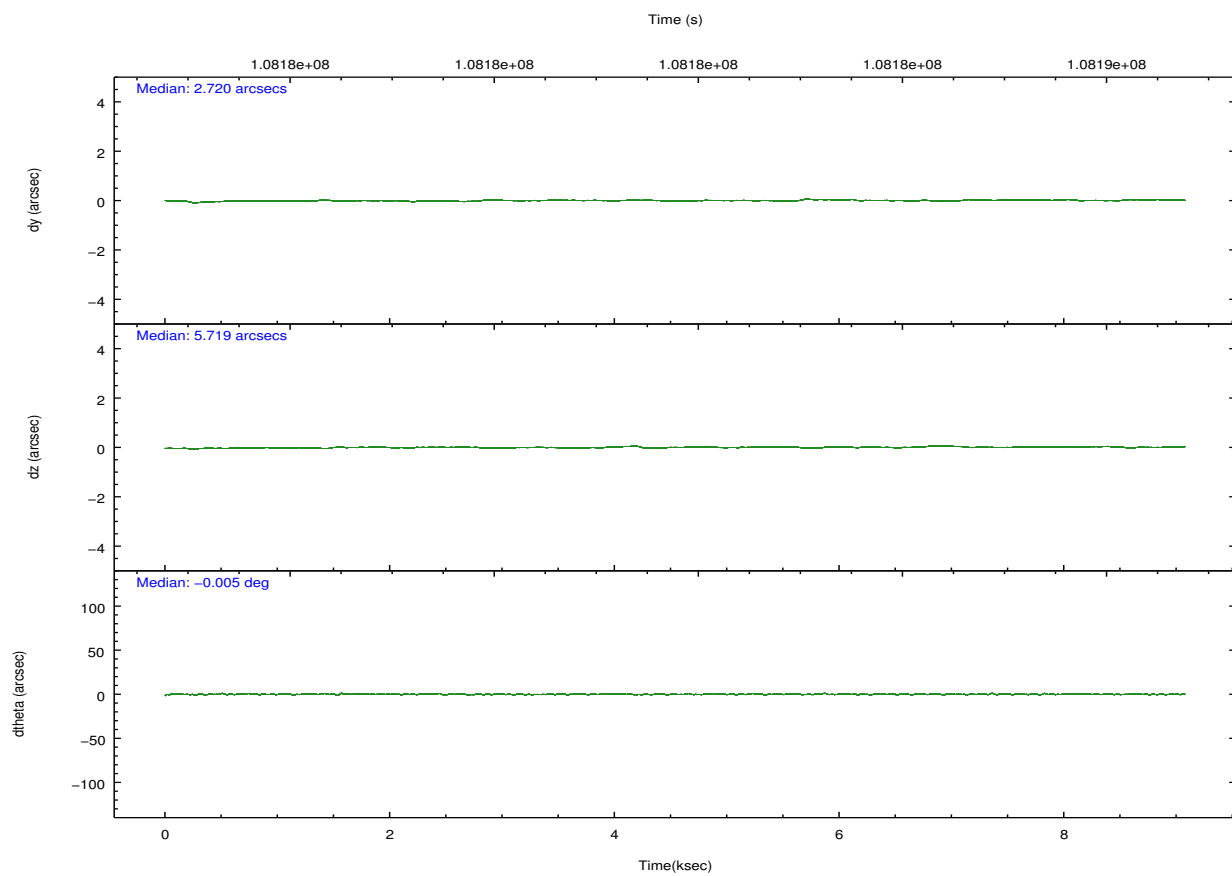
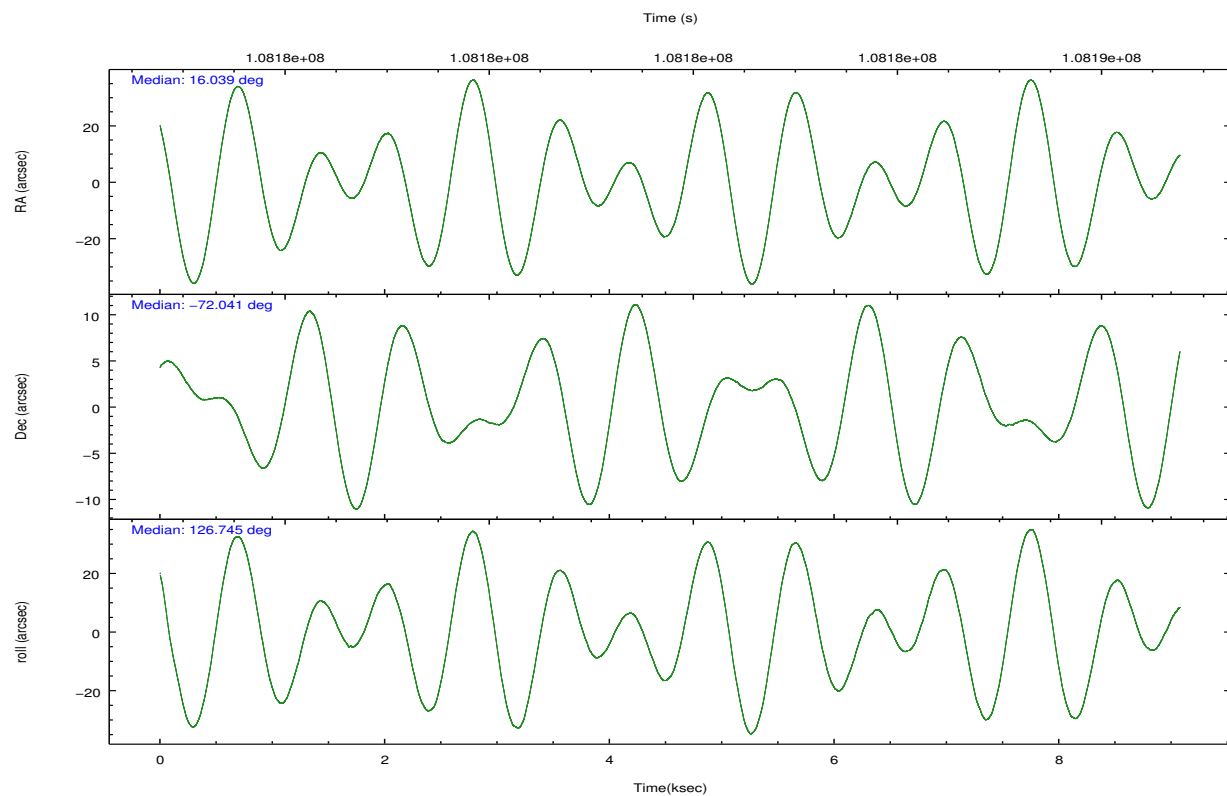
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	52017	48628	73607	53377	129622	65796	grade 0 events	2472	2379	5985	3488	22462	4891
rejected events	46291	43060	38418	46127	39939	51334		4%	4%	8%	6%	17%	7%
rejected %	88%	88%	52%	86%	30%	78%	grade 1 events	19	21	120	77	502	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	1219	1166	9589	1382	22806	2977
								2%	2%	13%	2%	17%	4%
							grade 3 events	489	506	1461	590	10377	1576
								0%	1%	1%	1%	8%	2%
							grade 4 events	522	530	1416	577	9974	1462
								1%	1%	1%	1%	7%	2%
							grade 5 events	1751	1927	5373	2167	7370	2774
								3%	3%	7%	4%	5%	4%
							grade 6 events	1026	991	16766	1217	24145	3558
								1%	2%	22%	2%	18%	5%
							grade 7 events	44519	41108	32897	43879	31986	48527
								85%	84%	44%	82%	24%	73%

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	16.120428	16.0386131814975	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.051560	-72.04110347792577	Alternating exposures requested	N	N
[deg] Pointing Roll	126.674971	126.7537691770388	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	107740864.184000	107740864.184000			
[s] Window stop time (MET)	110246464.184000	110246464.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	108178556.184000	108177025.2351			
Observation start date	2001-06-06T01:34:52	2001-06-06T01:10:25			
[s] Observation end time (MET)	108186311.184000	108186444.47297			
Observation end date	2001-06-06T03:44:07	2001-06-06T03:47:24			
Read mode	TIMED	TIMED			

2.3 Aspect



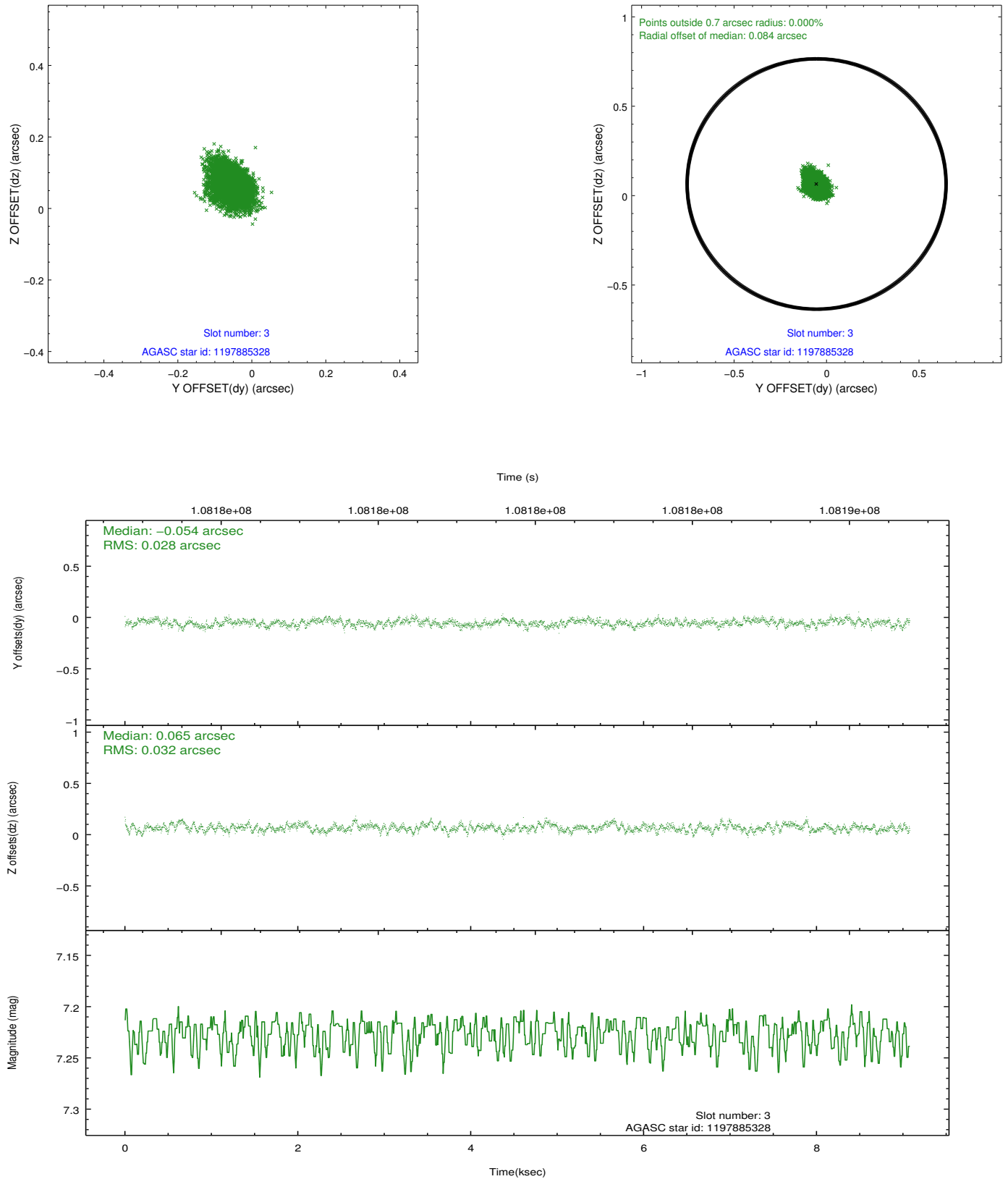


Slot Statistics

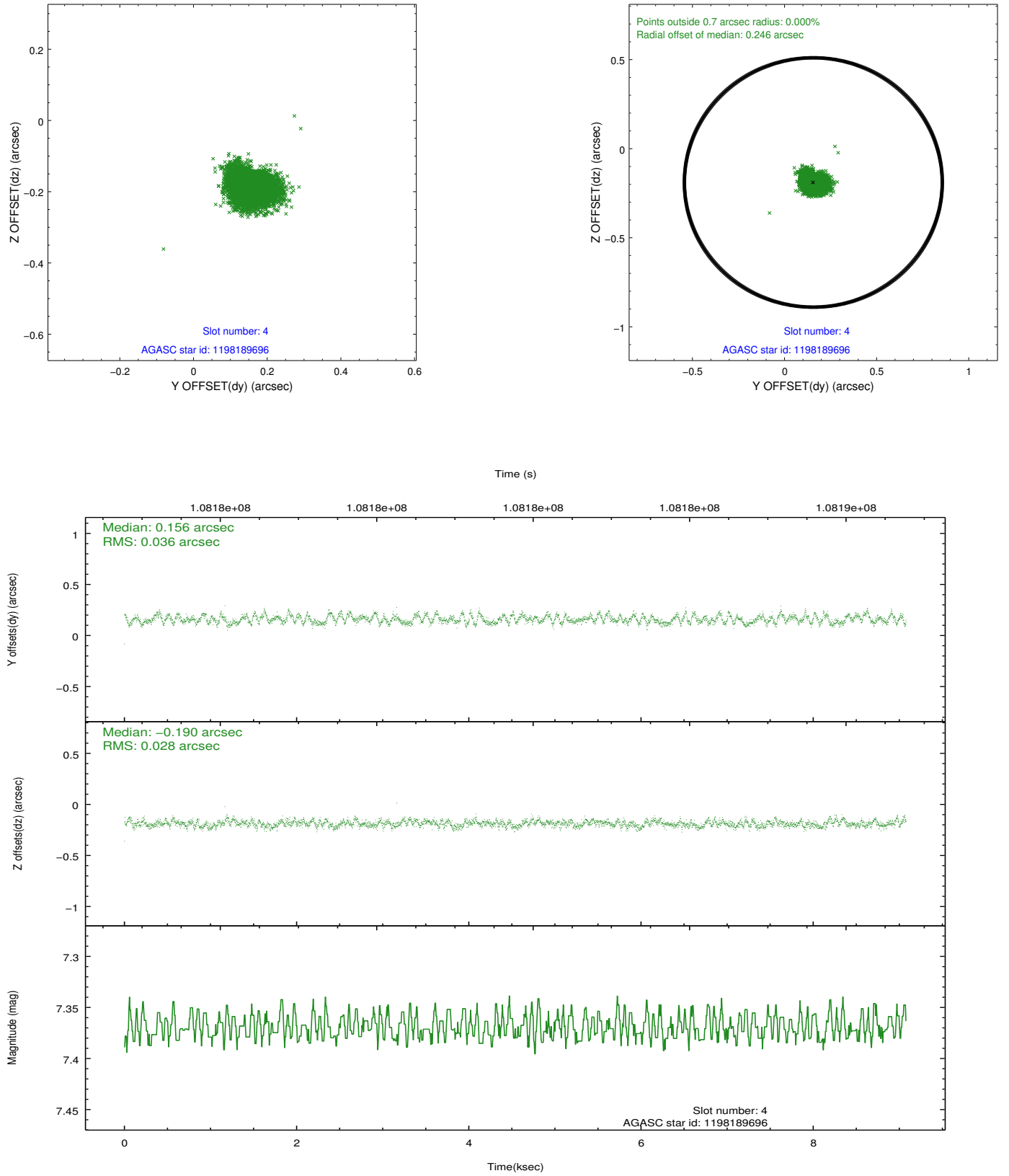
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2214	-0.028	0.012	0.007	0.012	0.000000	0.000000	-755.34	-1726.80
1	FID	ACIS-S-4	7.20	2214	-0.047	0.010	0.005	0.010	0.000000	0.000000	2157.60	181.13
2	FID	ACIS-S-5	7.24	2214	0.043	-0.014	0.006	0.011	0.000000	0.000000	-1807.38	175.36
3	GUIDE	1197885328	7.23	4428	-0.054	0.065	0.044	0.075	16.283090	-71.733943	808.10	-829.97
4	GUIDE	1198189696	7.37	4428	0.156	-0.190	0.049	0.078	15.223750	-72.697522	-1296.73	2162.63
5	GUIDE	1197750936	7.58	4429	-0.171	0.088	0.047	0.073	15.387940	-71.549550	1944.20	-406.16
6	GUIDE	1197884536	8.51	4426	0.005	0.078	0.070	0.112	17.160729	-71.835289	-79.47	-1395.41
7	GUIDE	1197884712	8.30	4428	0.064	-0.038	0.062	0.100	16.087398	-72.252690	-558.33	461.08

2.4 Star Slots

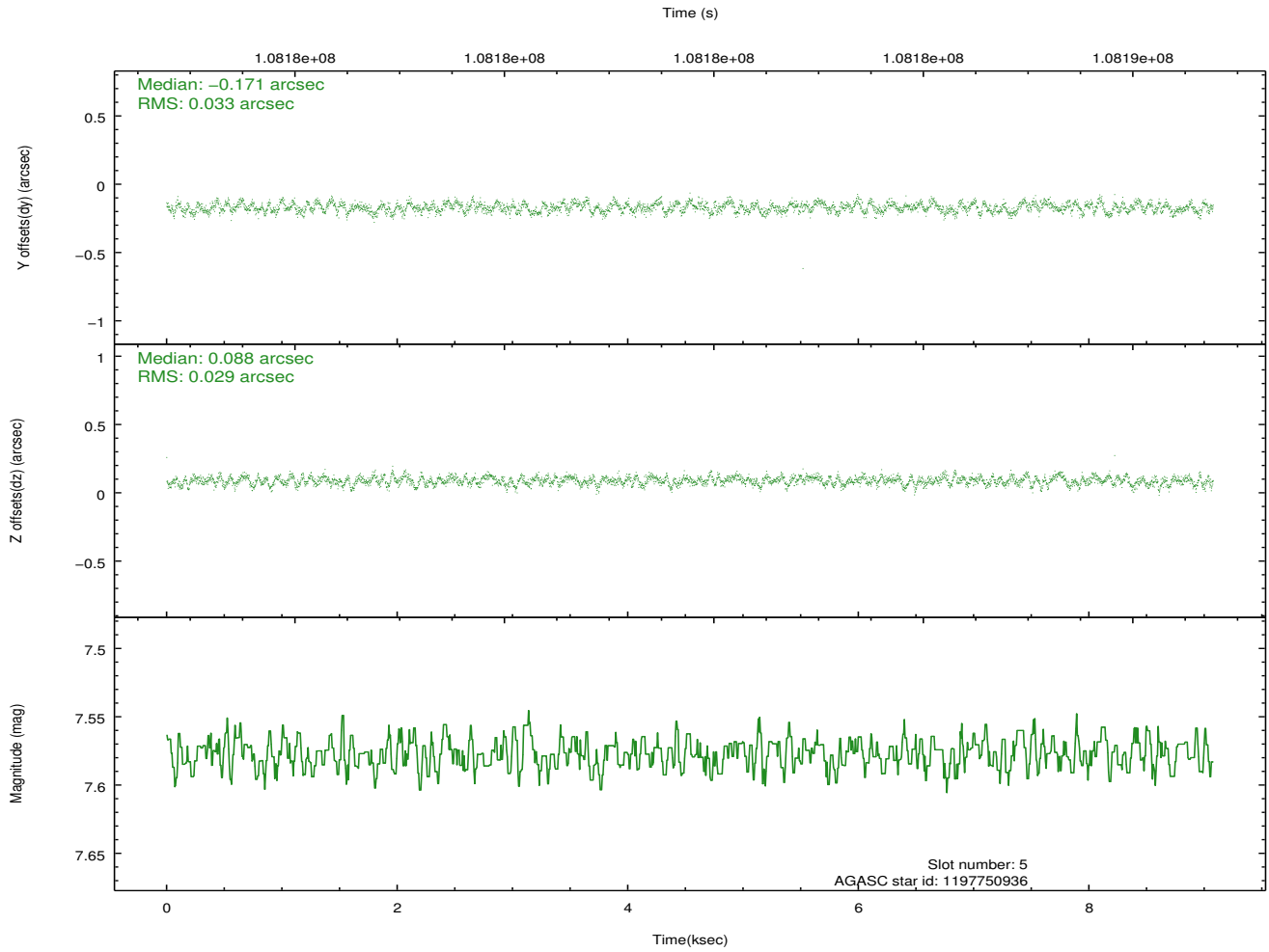
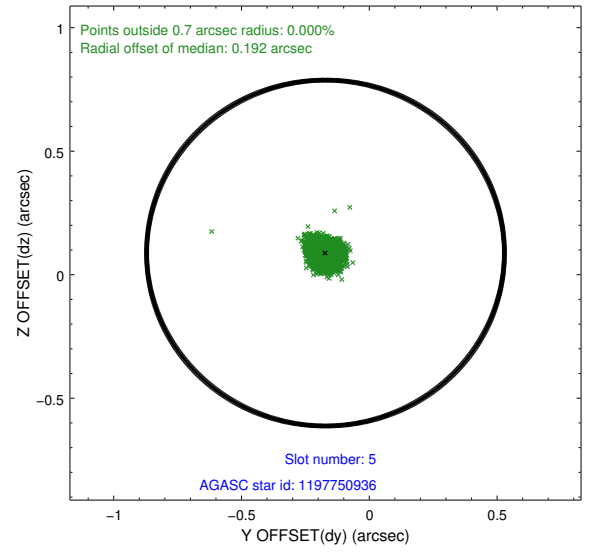
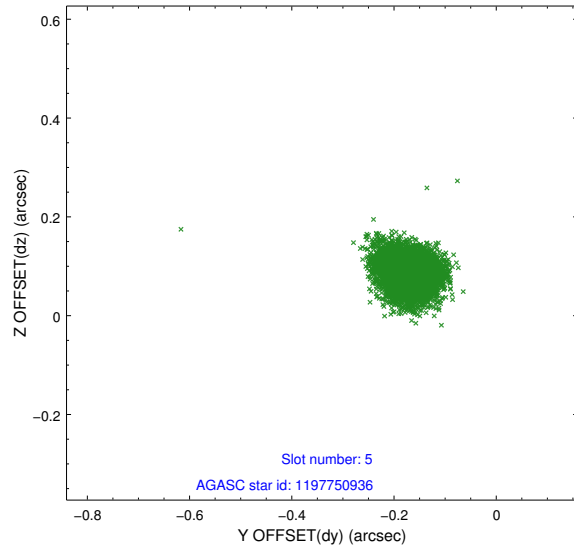
2.4.1 Slot 3



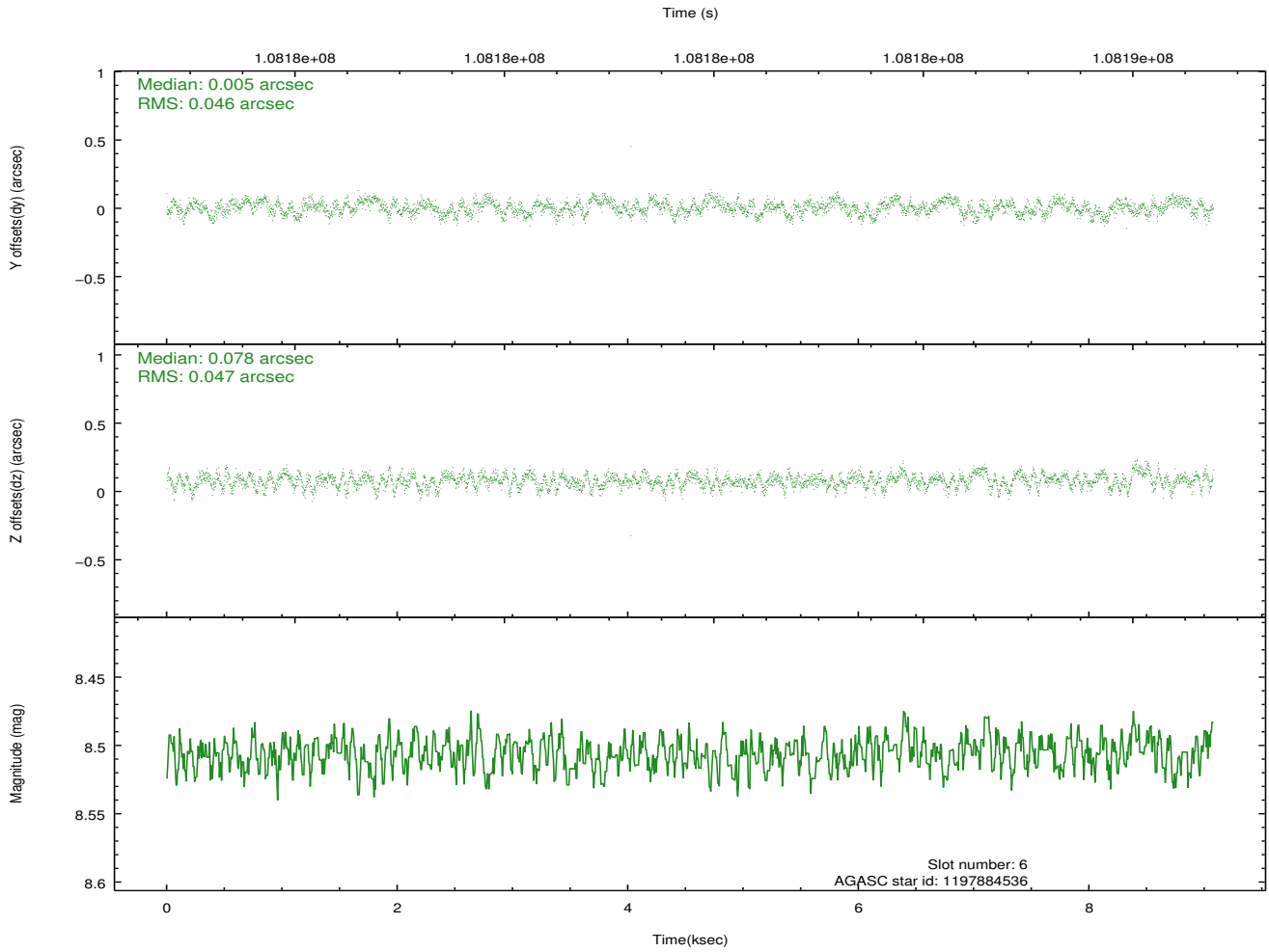
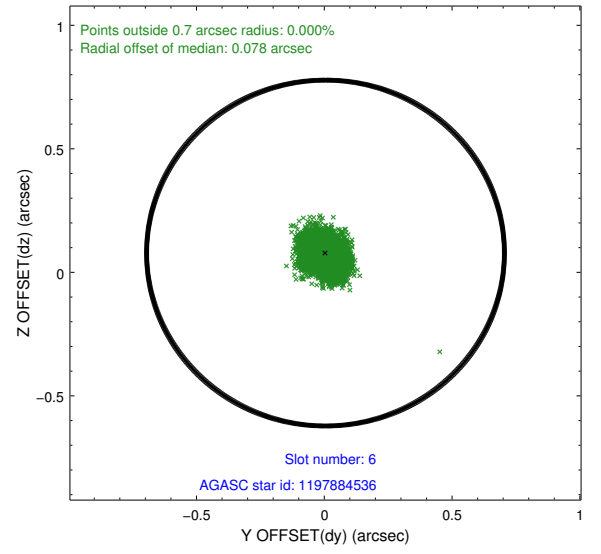
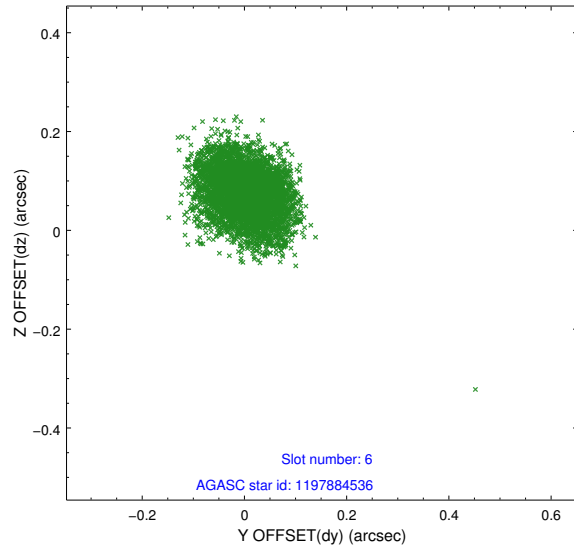
2.4.2 Slot 4



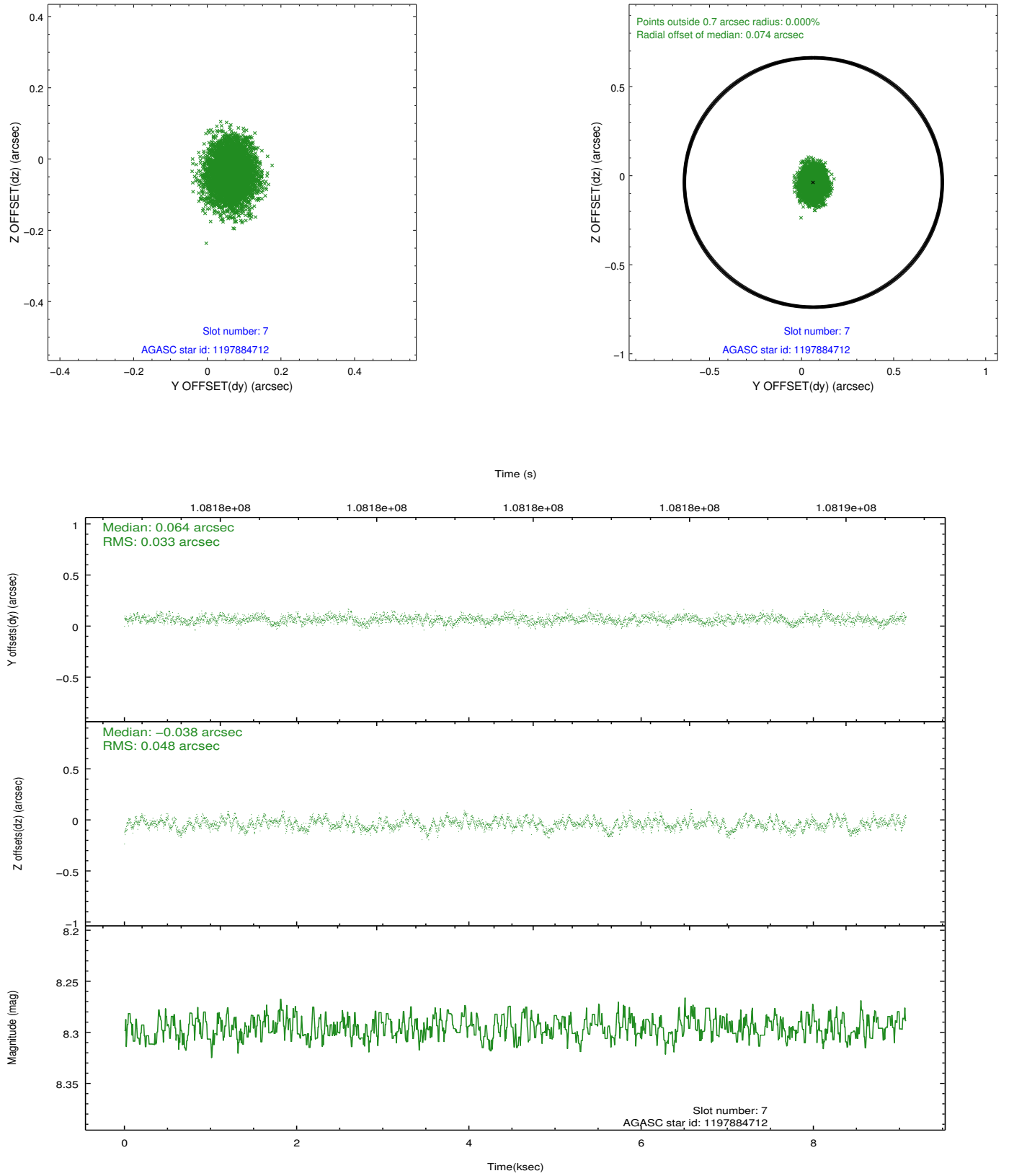
2.4.3 Slot 5



2.4.4 Slot 6

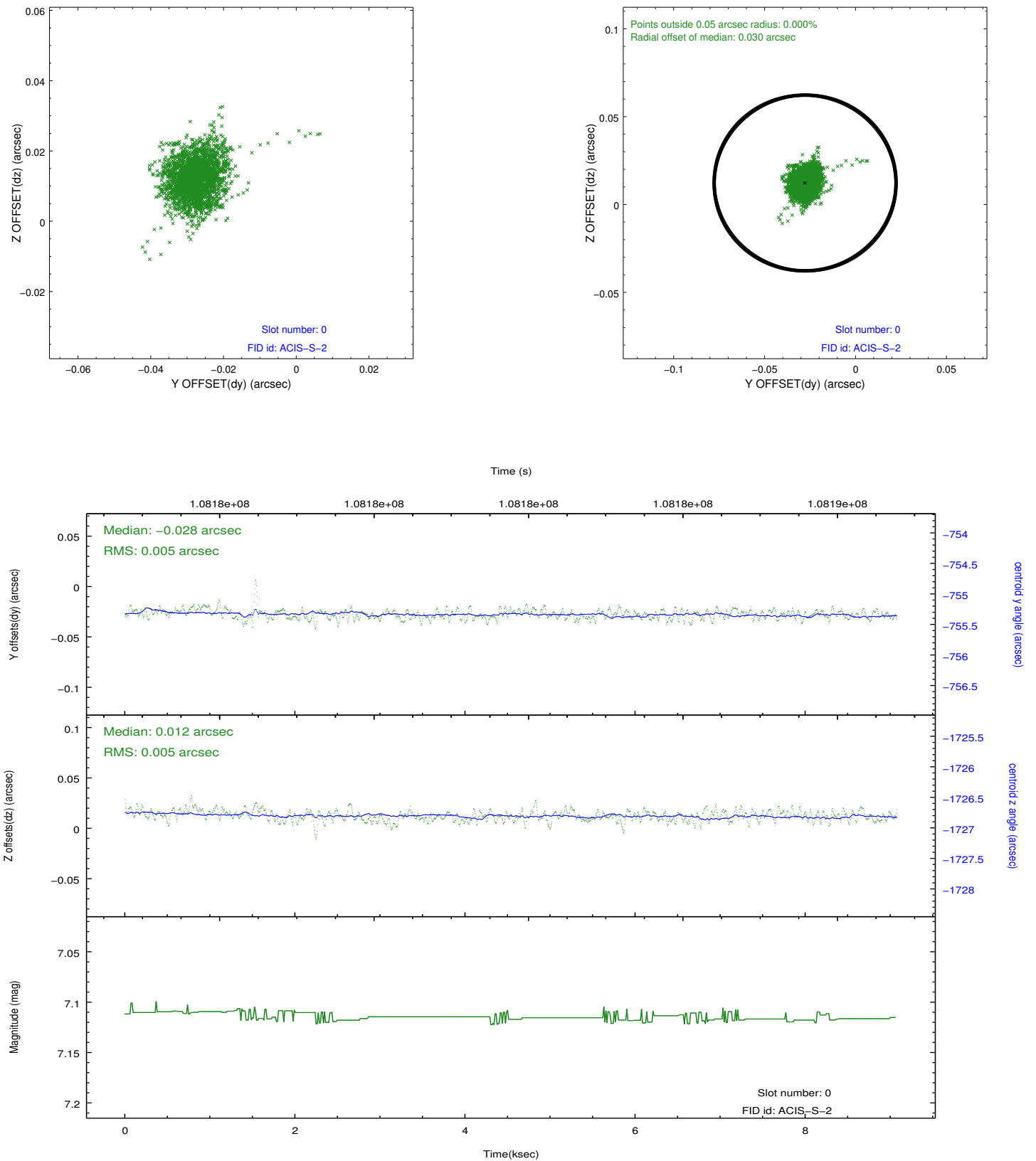


2.4.5 Slot 7

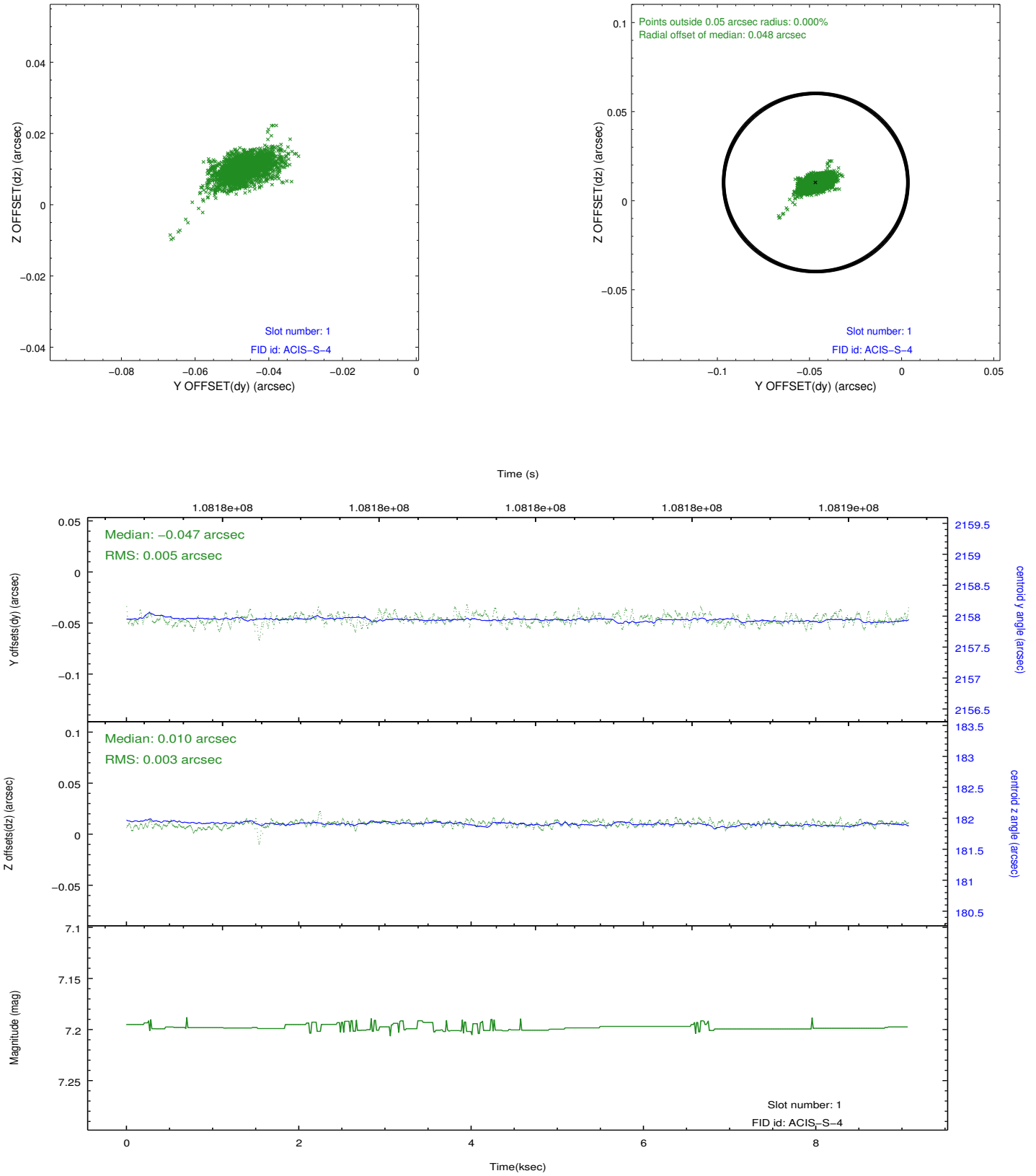


2.5 FID Slots

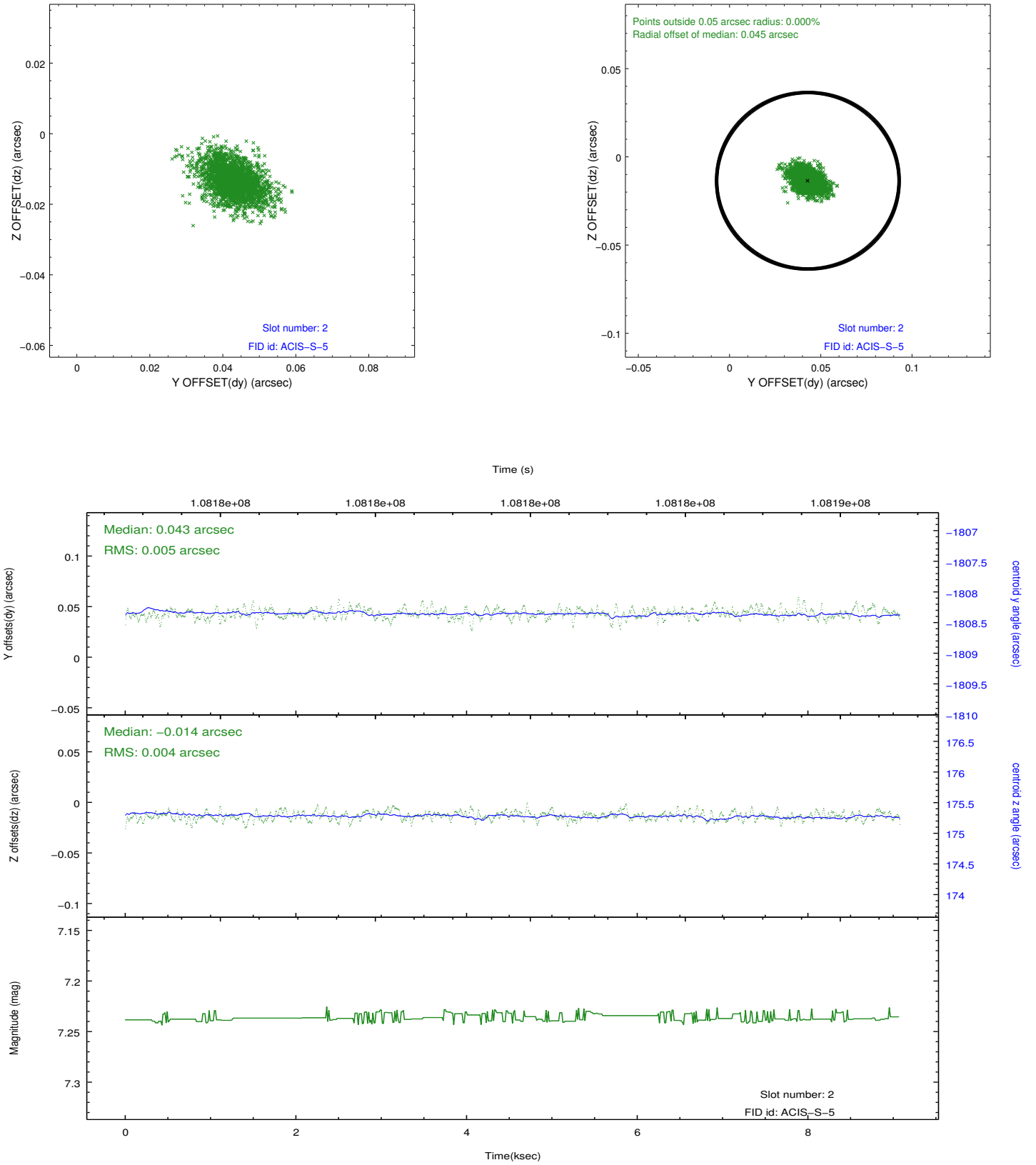
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7

A.2 Comments

Window constraint OK.