

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1541 - L2 Version 3
Chandra X-Ray Center

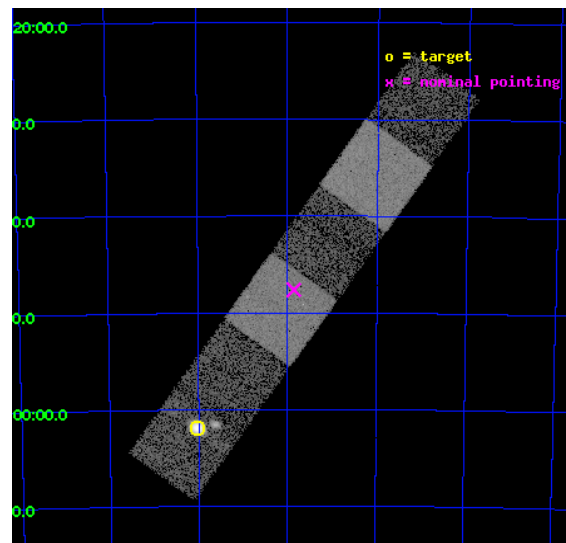
L2 Processing Date : Sep 17 2012

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1 Front

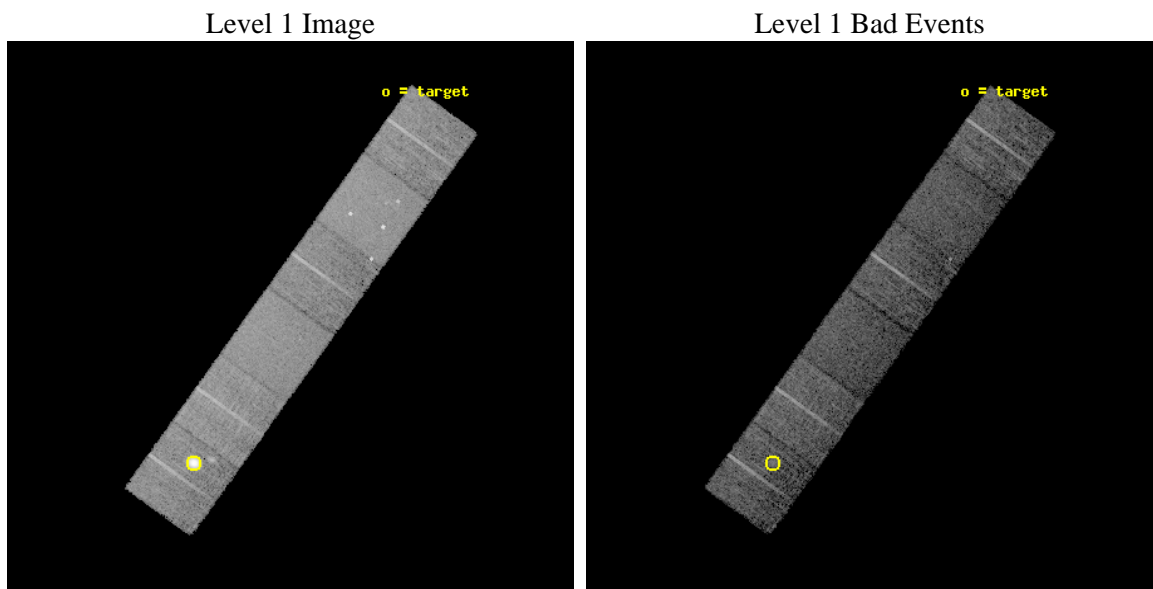
seq_num	590150	Sequence number
obs_id	1541	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S5, T=120, Offsets=-17,0,0]	Source name
dtcycle	0	
cycle	P	events from 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	15.463341476575	Nominal RA [deg]
dec_nom	-71.794038230064	Nominal Dec [deg]
roll_nom	125.71655814646	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7513.6000069827	Sum of GTIs [s]
livetime	7418.4582795475	Livetime [s]
ontime4	7513.6000069827	Sum of GTIs [s]
ontime5	7513.6000069827	Sum of GTIs [s]
ontime6	7513.6000069827	Sum of GTIs [s]
ontime7	7513.6000069827	Sum of GTIs [s]
ontime8	7513.6000069827	Sum of GTIs [s]
ontime9	7513.6000069827	Sum of GTIs [s]
l2events	97992	Number of level 2 events



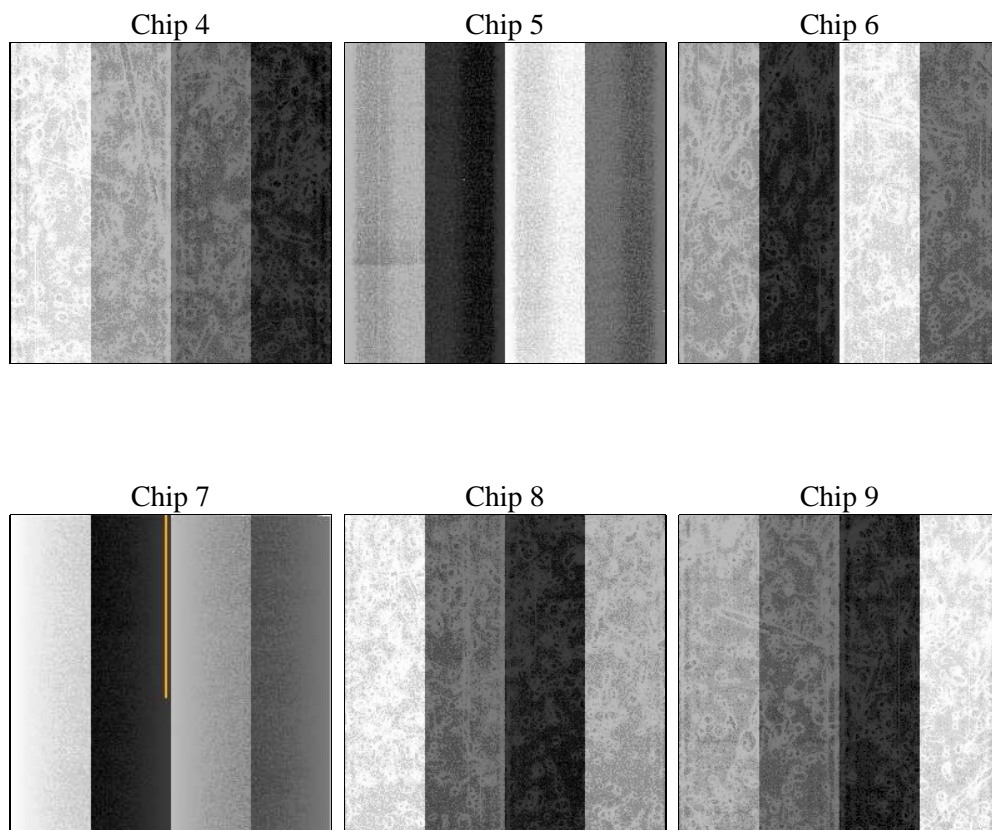
2 OBI

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	7513.6000069827	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	7513.6000069827	Sum of GTIs [s]
date	2012-09-17T18:03:07	Date and time of file creation	ontime5	7513.6000069827	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7513.6000069827	Sum of GTIs [s]
			ontime7	7513.6000069827	Sum of GTIs [s]
			ontime8	7513.6000069827	Sum of GTIs [s]
			ontime9	7513.6000069827	Sum of GTIs [s]
			l1events	379541	Number of level 1 events

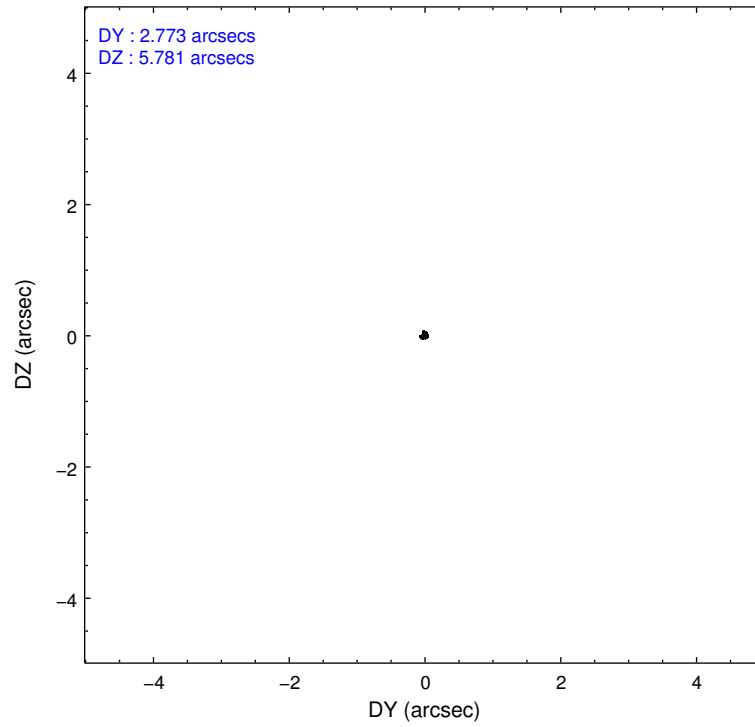
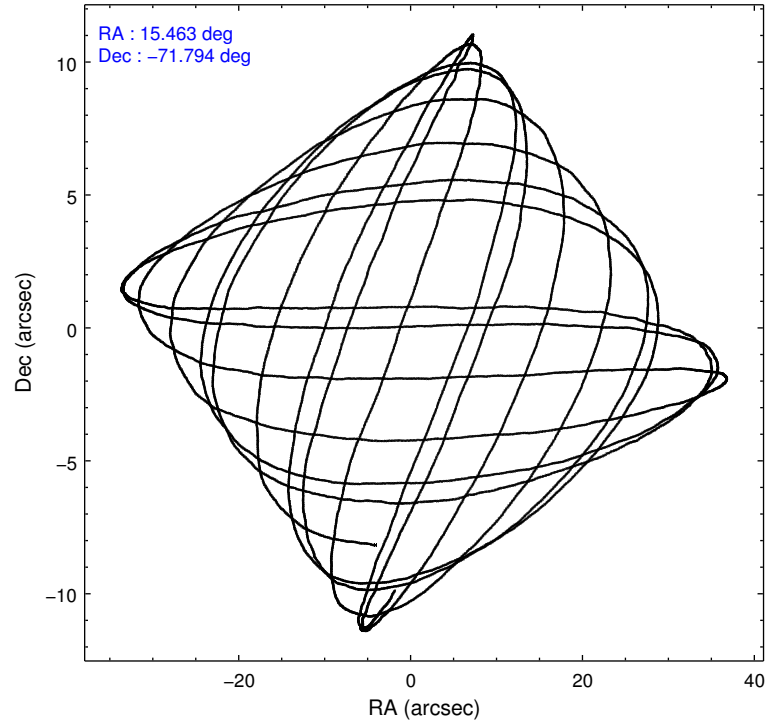
2.1.4 Events

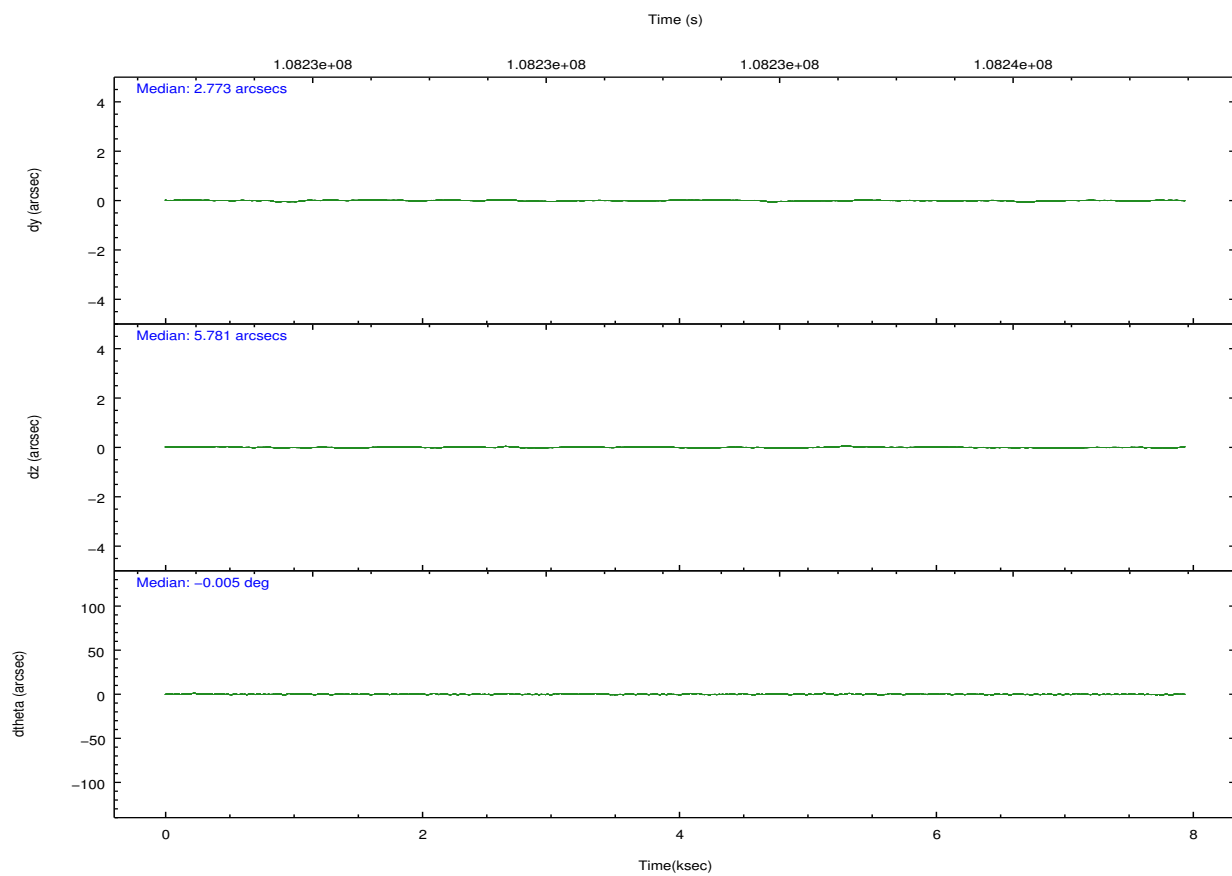
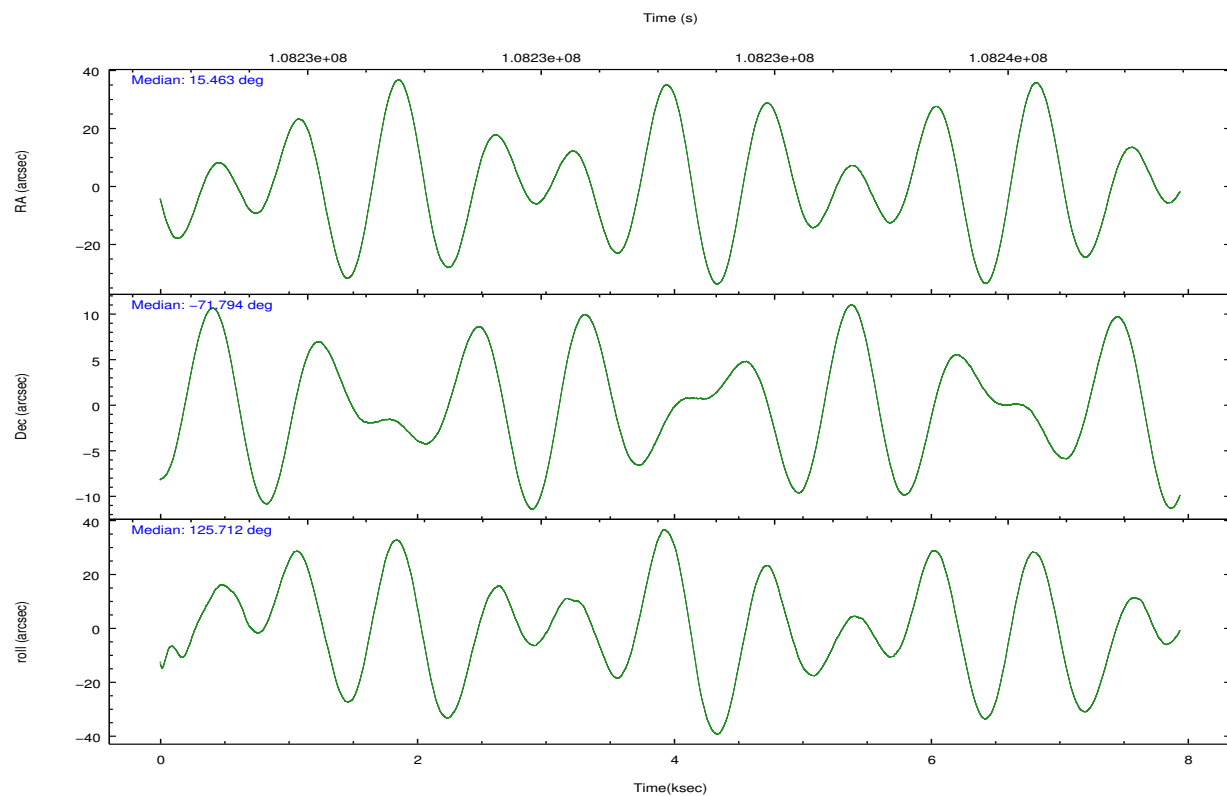
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	55478	72278	49598	62625	67070	72492	grade 0 events	2351	6203	2358	2602	4509	23352
rejected events	49559	37750	43872	36335	53051	43036		4%	8%	4%	4%	6%	32%
rejected %	89%	52%	88%	58%	79%	59%	grade 1 events	25	165	16	53	45	133
								0%	0%	0%	0%	0%	0%
							grade 2 events	1480	9040	1125	5247	2885	2823
								2%	12%	2%	8%	4%	3%
							grade 3 events	507	1422	580	2381	1656	972
								0%	1%	1%	3%	2%	1%
							grade 4 events	548	1357	554	2348	1574	969
								0%	1%	1%	3%	2%	1%
							grade 5 events	1655	5355	2182	6085	2633	2174
								2%	7%	4%	9%	3%	2%
							grade 6 events	1037	16516	1110	13720	3396	1351
								1%	22%	2%	21%	5%	1%
							grade 7 events	47875	32220	41673	30189	50372	40718
								86%	44%	84%	48%	75%	56%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.543532	15.46334147657529	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.804960	-71.79403823006416	Alternating exposures requested	N	N
[deg] Pointing Roll	125.636122	125.7165581464598	[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)	108229316.184000	108228939.94962			
Observation start date	2001-06-06T15:40:52	2001-06-06T15:35:39			
[s] Observation end time (MET)	108237071.184000	108238218.24999			
Observation end date	2001-06-06T17:50:07	2001-06-06T18:10:18			
Read mode	TIMED	TIMED			

2.3 Aspect



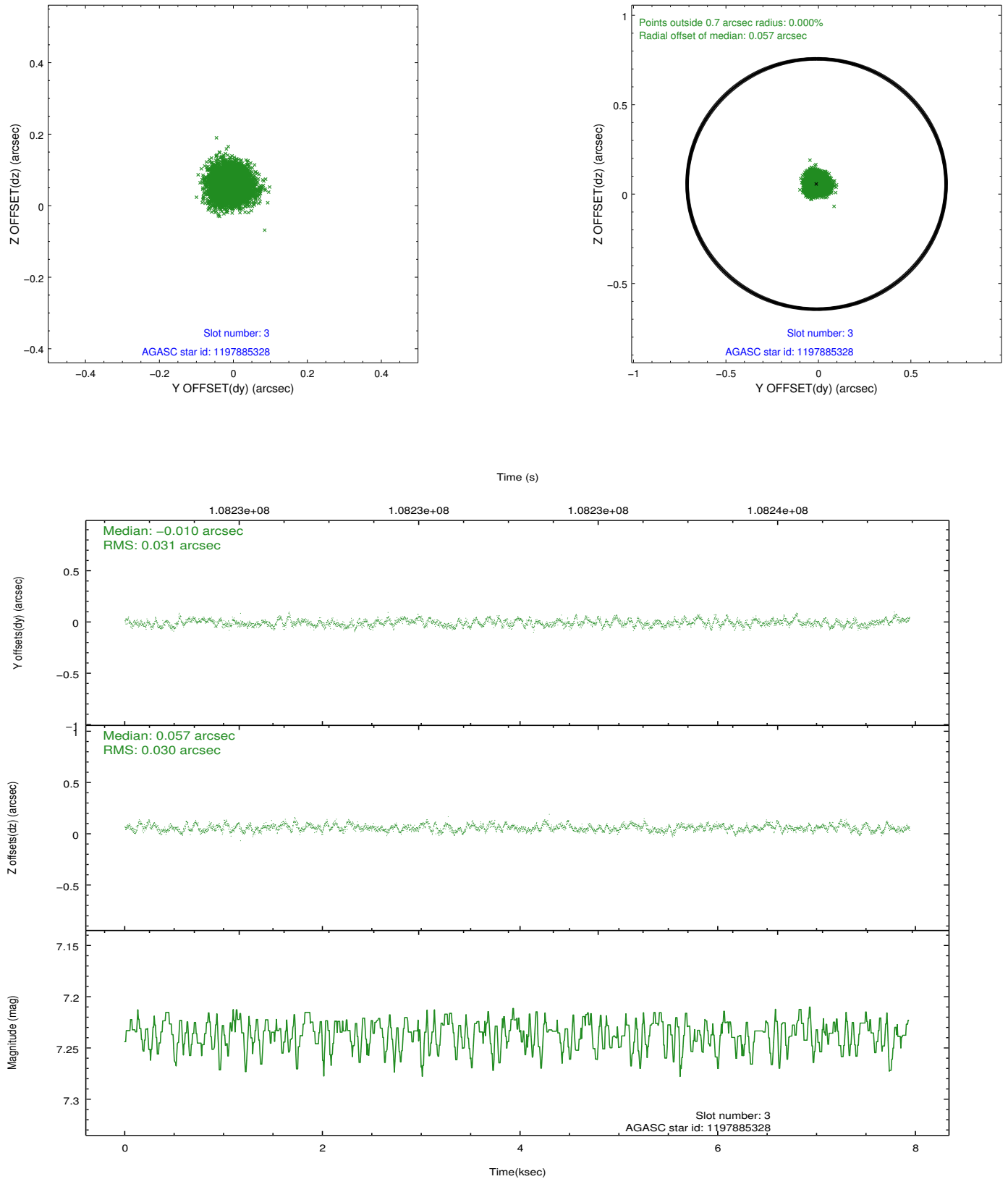


Slot Statistics

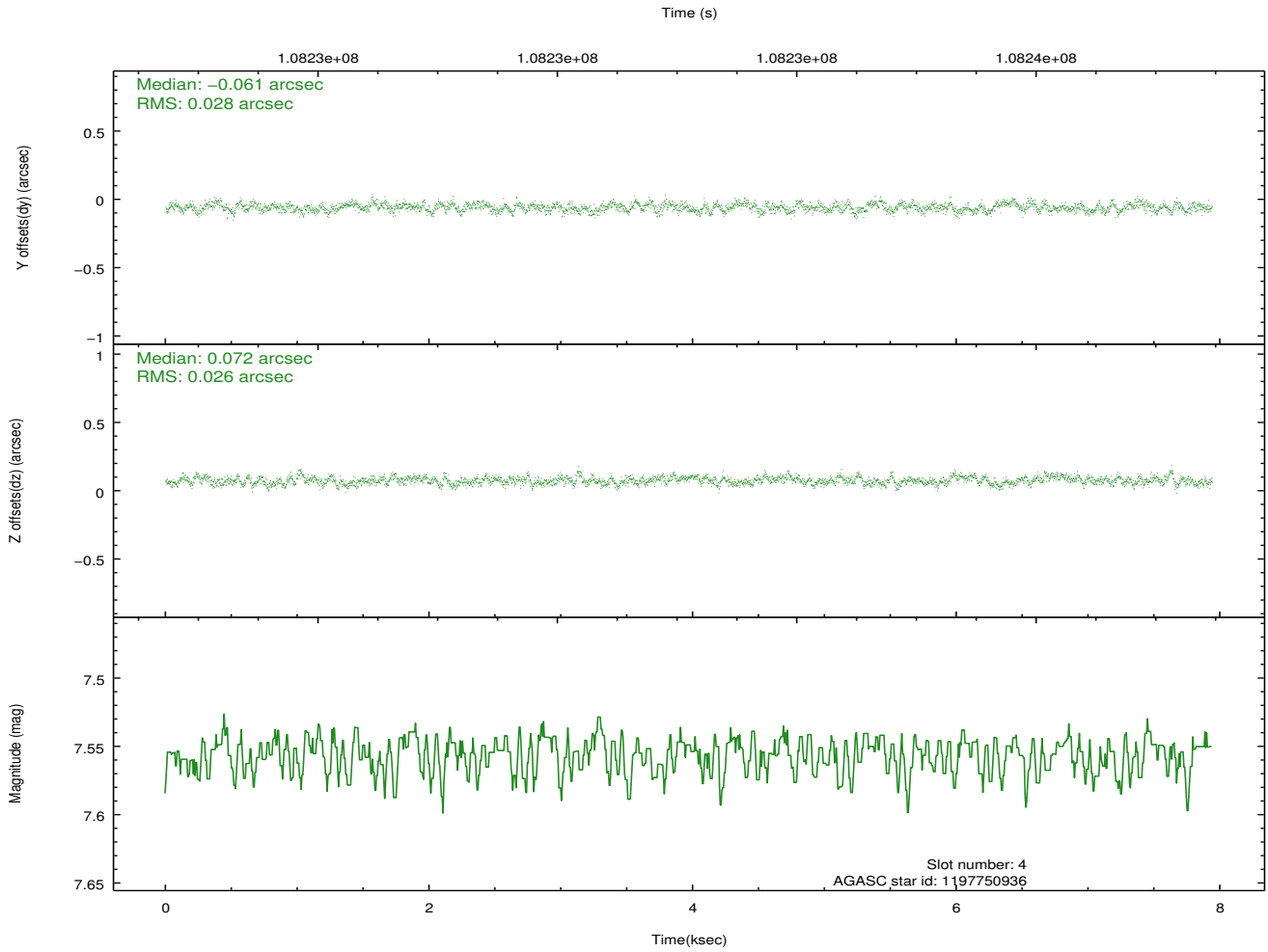
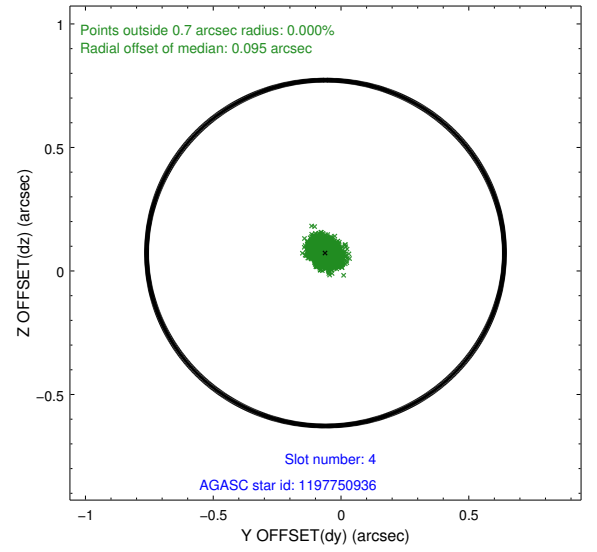
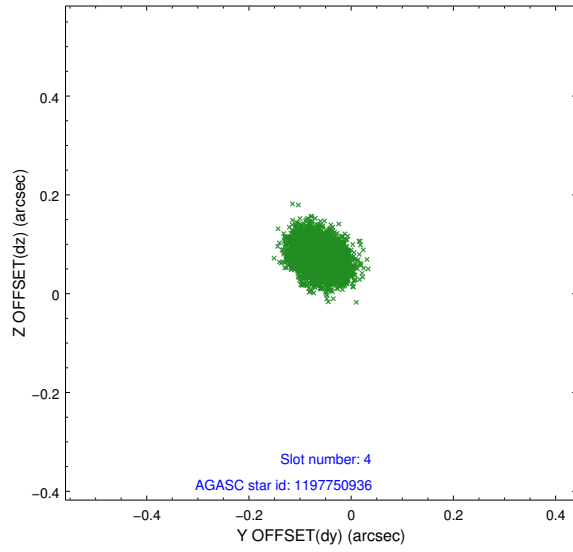
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1937	-0.023	0.015	0.006	0.010	0.000000	0.000000	-755.38	-1726.87
1	FID	ACIS-S-4	7.20	1937	-0.047	0.007	0.005	0.009	0.000000	0.000000	2157.50	180.95
2	FID	ACIS-S-5	7.24	1937	0.039	-0.013	0.006	0.010	0.000000	0.000000	-1807.30	175.31
3	GUIDE	1197885328	7.24	3873	-0.010	0.057	0.047	0.072	16.283090	-71.733943	-282.33	-824.80
4	GUIDE	1197750936	7.56	3874	-0.061	0.072	0.041	0.066	15.387940	-71.549550	850.43	-392.07
5	GUIDE	1197884536	8.49	3874	0.034	0.066	0.059	0.098	17.160729	-71.835289	-1165.30	-1397.79
6	GUIDE	1197884712	8.30	3873	0.053	-0.097	0.056	0.093	16.087398	-72.252690	-1660.00	454.52
7	GUIDE	1197750160	10.26	3833	-0.020	-0.096	0.138	0.219	12.997994	-71.773722	1711.29	2298.26

2.4 Star Slots

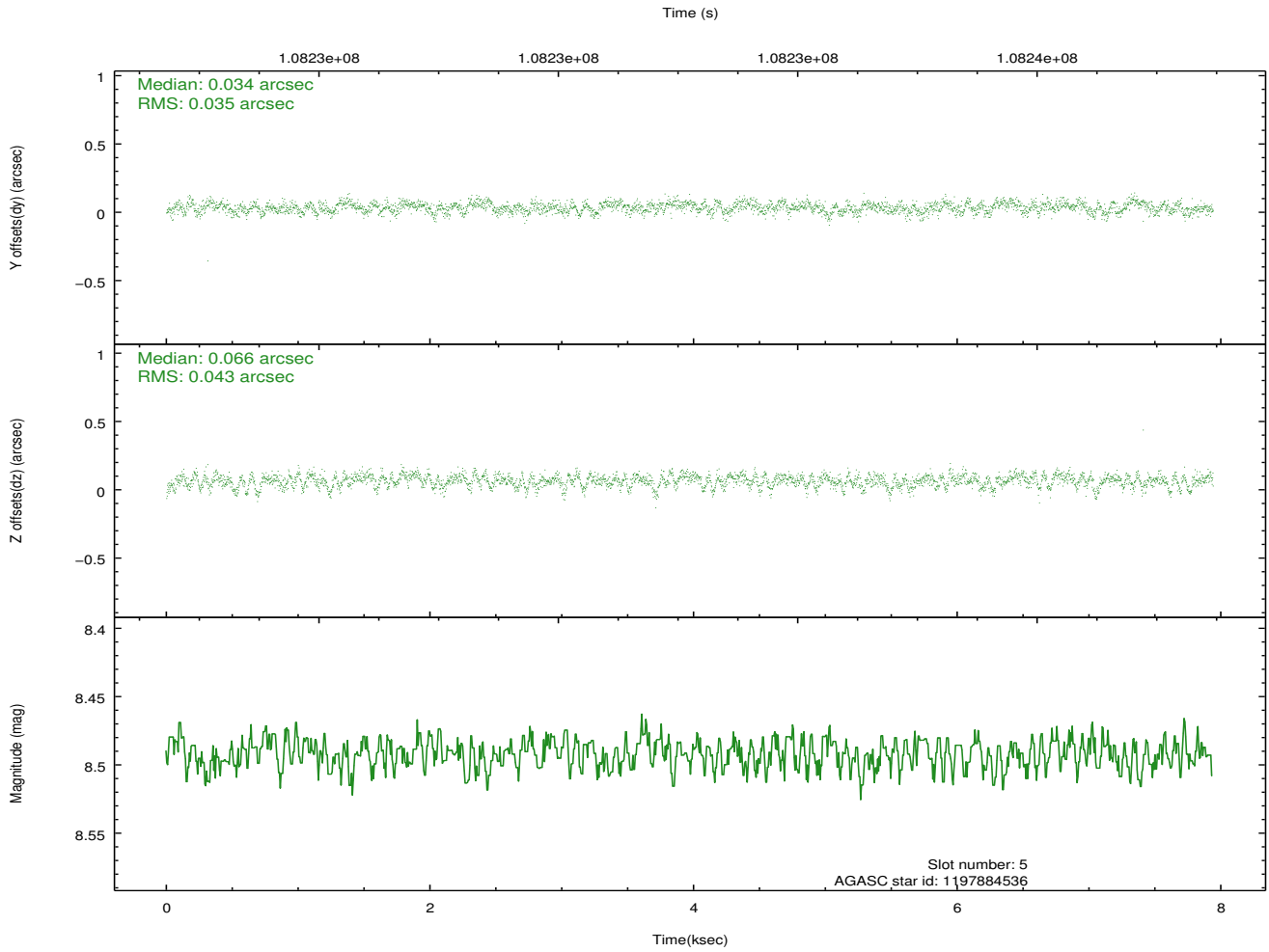
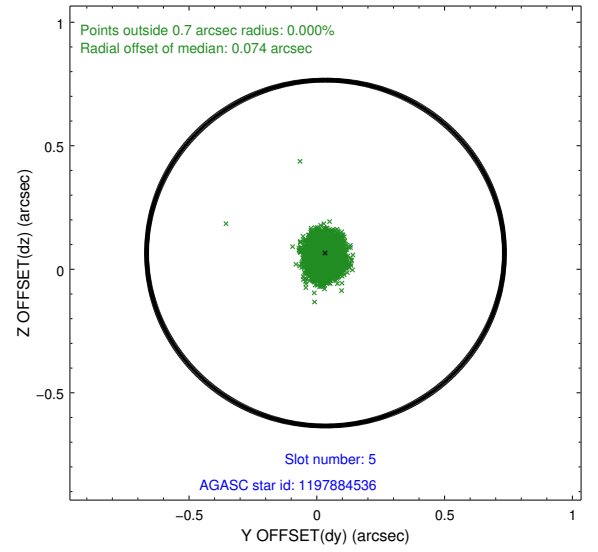
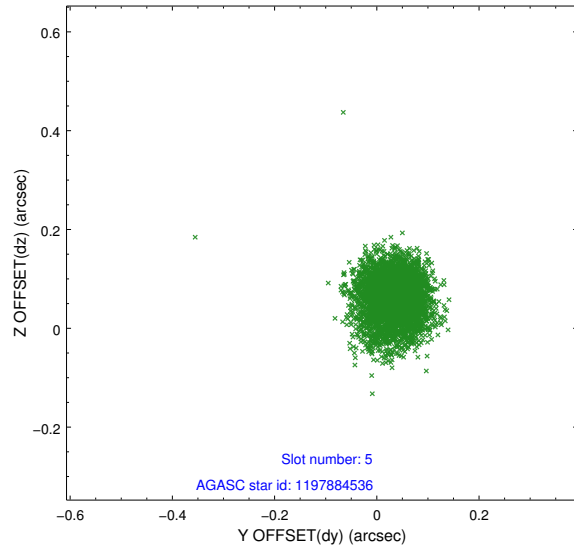
2.4.1 Slot 3



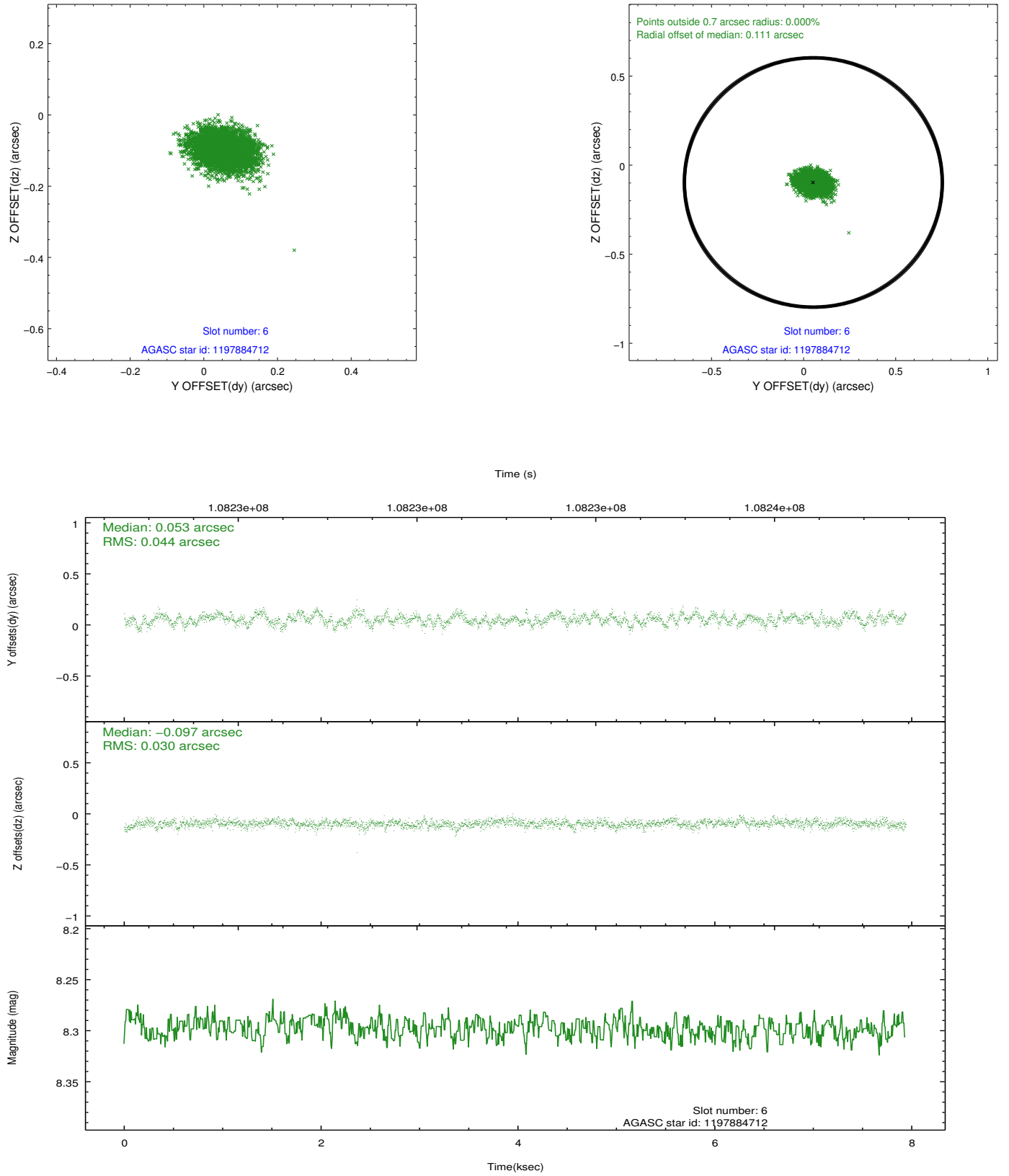
2.4.2 Slot 4



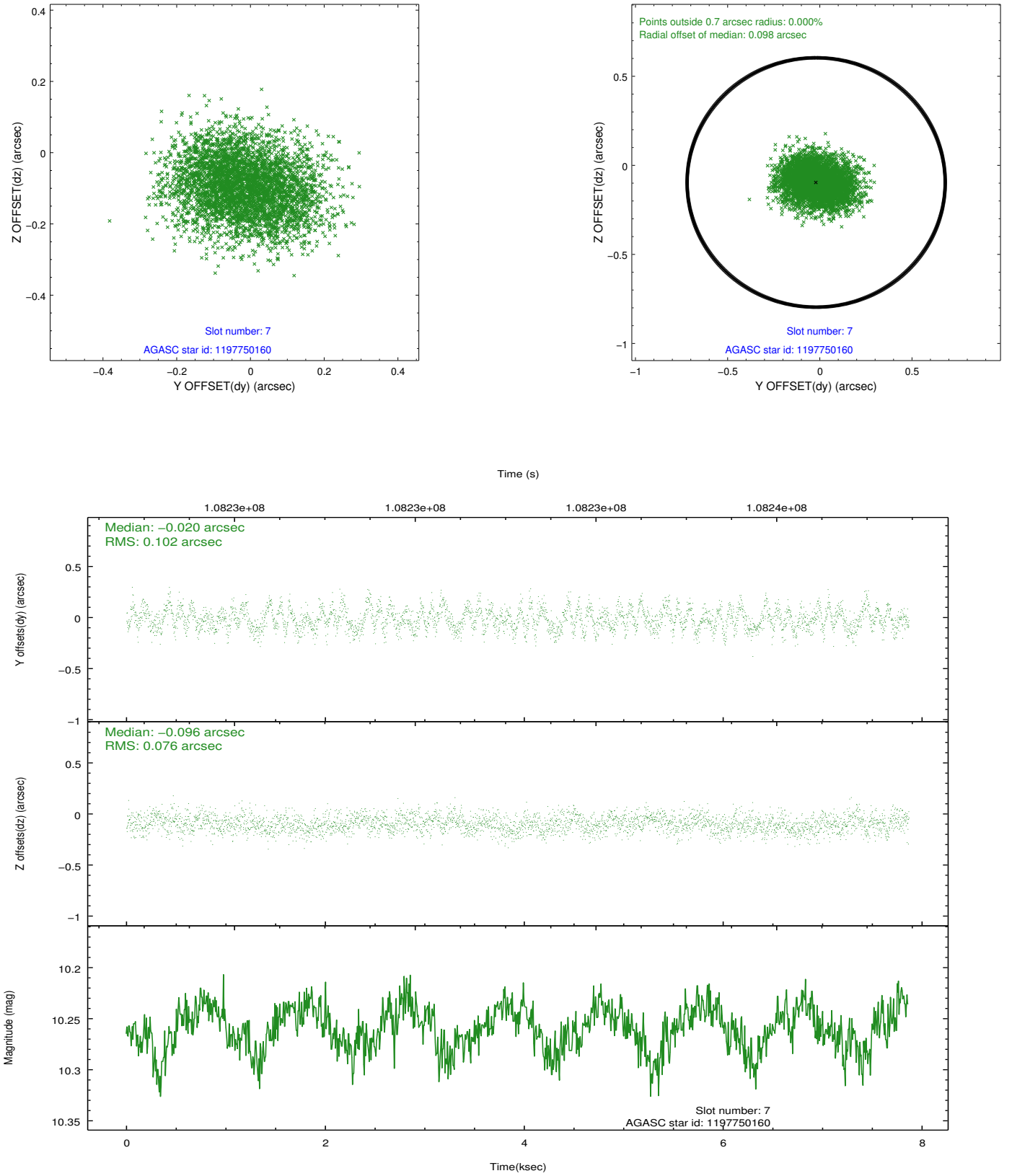
2.4.3 Slot 5



2.4.4 Slot 6

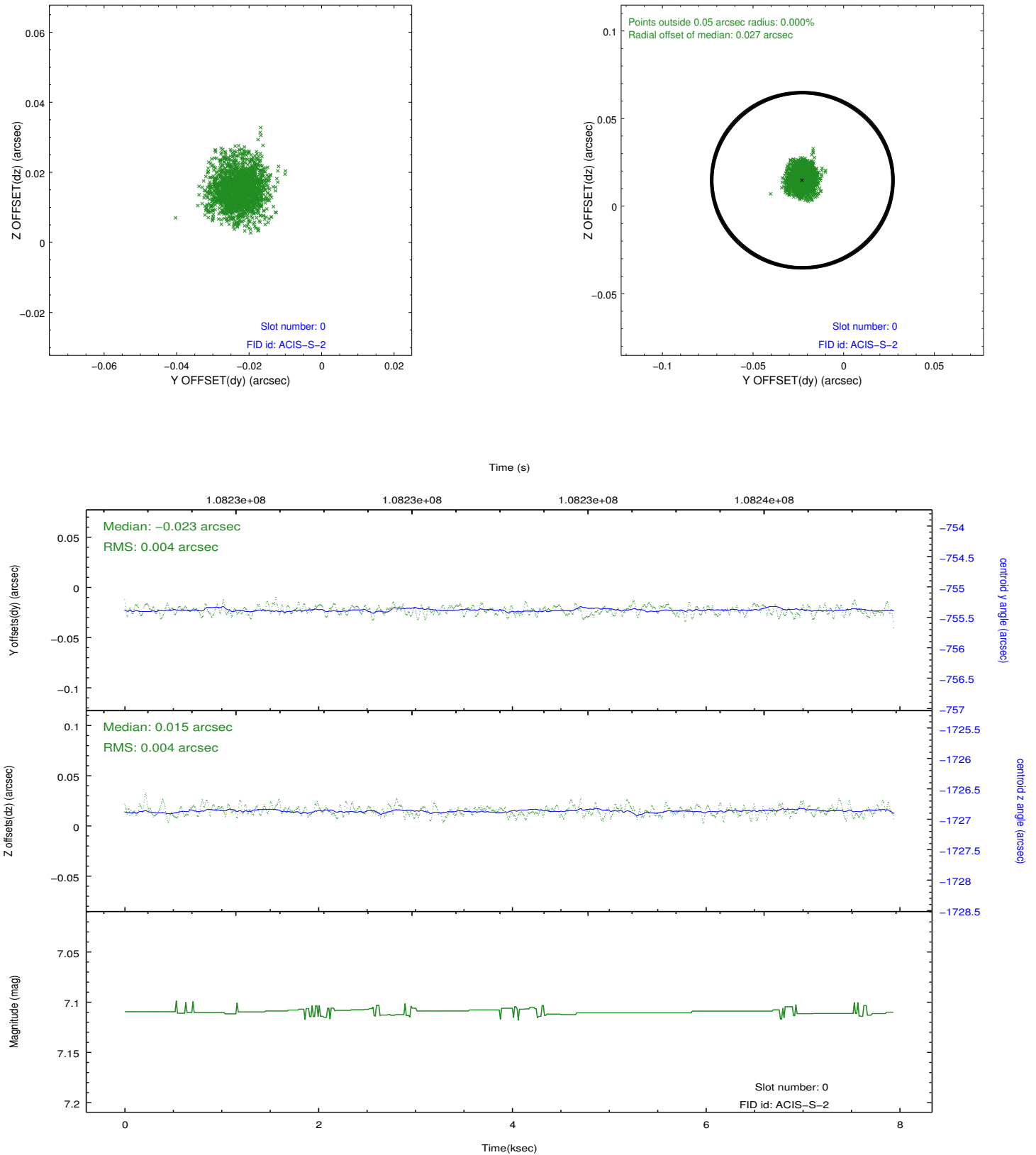


2.4.5 Slot 7

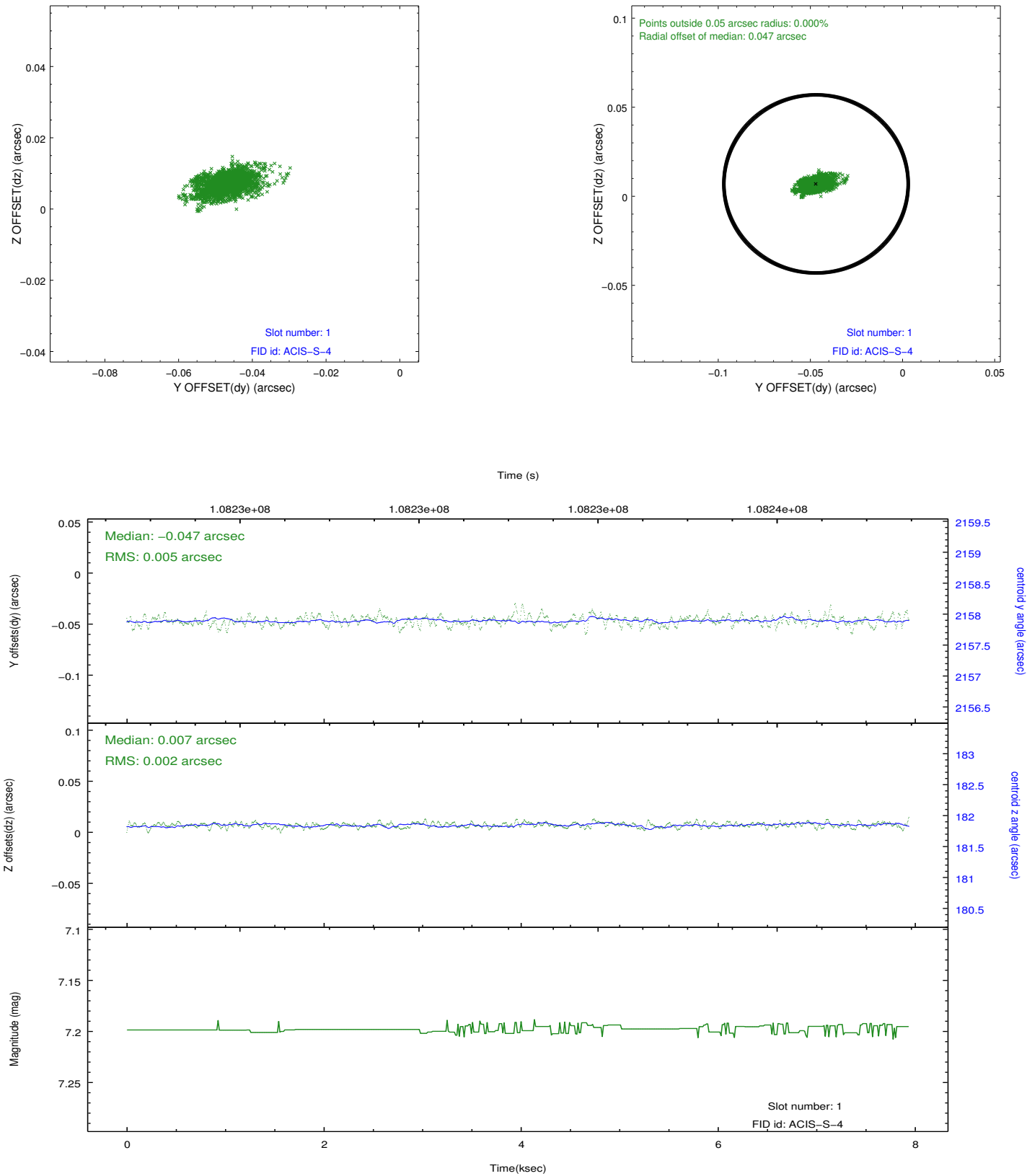


2.5 FID Slots

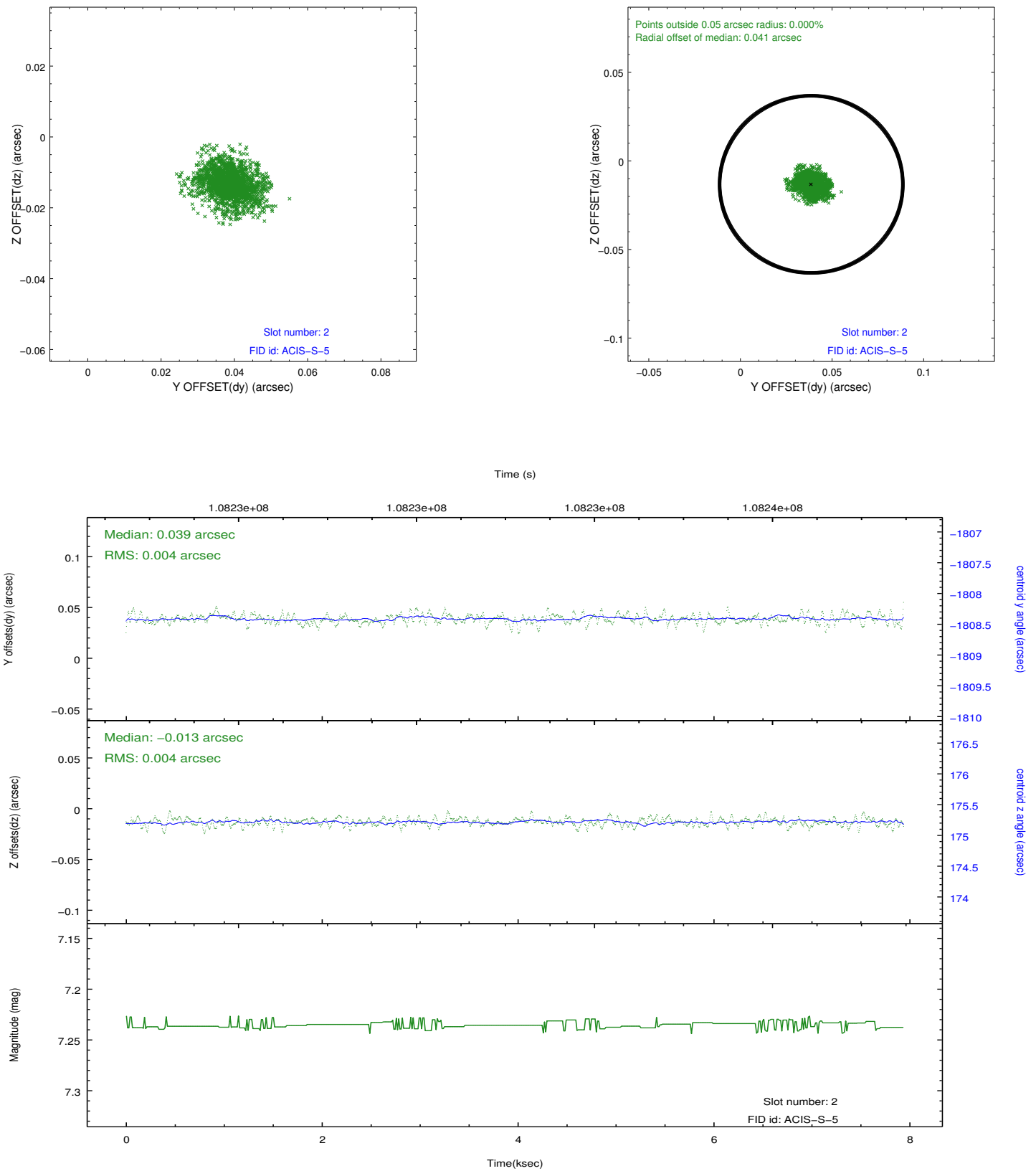
2.5.1 Slot 0



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	7.5

A.2 Comments

Window constraint met.