

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2081 - L2 Version 3
Chandra X-Ray Center

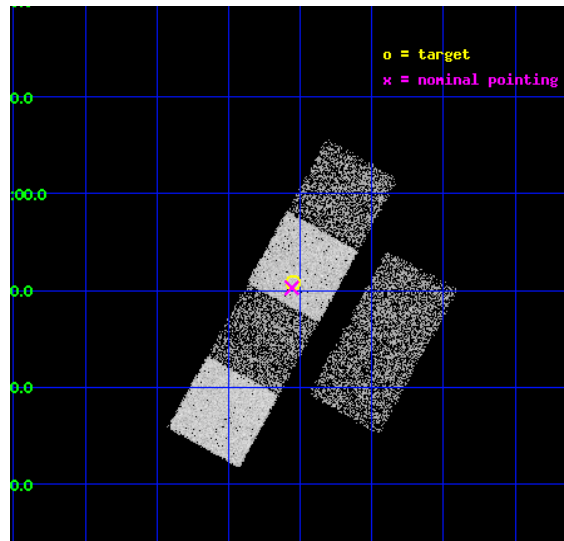
L2 Processing Date : Sep 6 2012

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1 Front

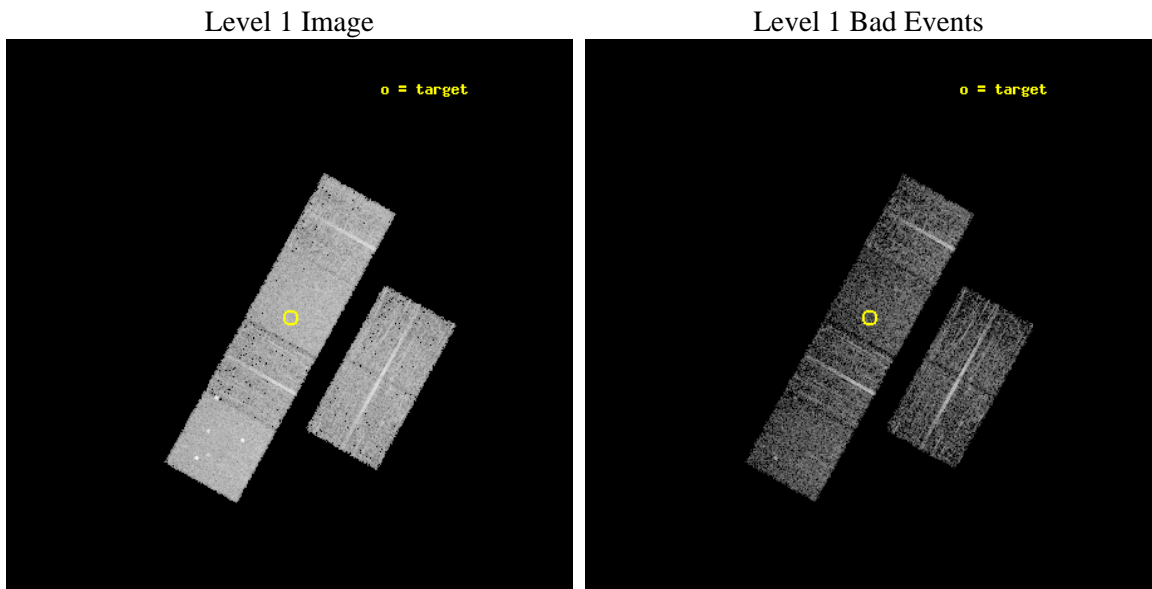
seq_num	700271	Sequence number
obs_id	2081	Observation id
title	AN X-RAY STUDY OF THE MOST DISTANT QUASARS FROM THE SLOAN DIGITAL SKY SURVEY	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS021102-000910	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	32.76125	Observer's specified target RA [deg]
dec_targ	-0.152861	Observer's specified target Dec [deg]
ra_nom	32.764461411905	Nominal RA [deg]
dec_nom	-0.16222679196954	Nominal Dec [deg]
roll_nom	299.10316330601	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4949.6640073806	Sum of GTIs [s]
livetime	4886.9883813893	Livetime [s]
ontime2	4949.7050473839	Sum of GTIs [s]
ontime3	4949.5408873856	Sum of GTIs [s]
ontime5	4949.6229673773	Sum of GTIs [s]
ontime6	4949.5819273889	Sum of GTIs [s]
ontime7	4949.6640073806	Sum of GTIs [s]
ontime8	4949.4998473823	Sum of GTIs [s]
l2events	45191	Number of level 2 events



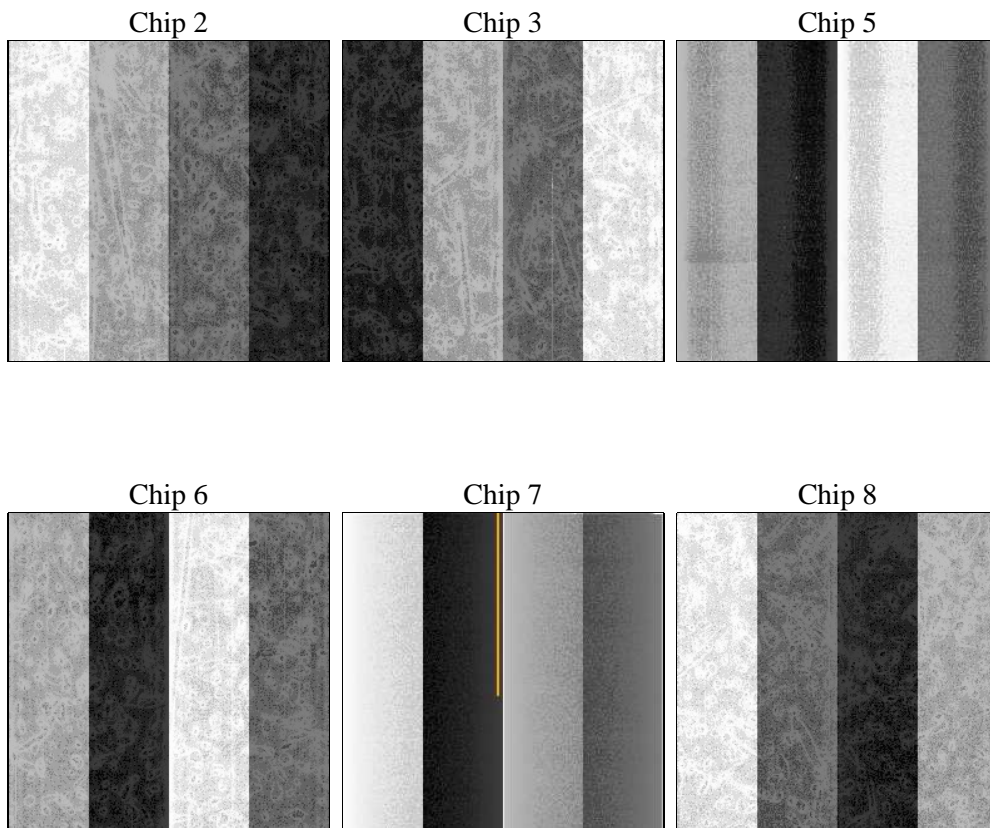
2 OBI

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	4949.6640073806	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4949.7050473839	Sum of GTIs [s]
date	2012-09-06T09:27:33	Date and time of file creation	ontime3	4949.5408873856	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4949.6229673773	Sum of GTIs [s]
			ontime6	4949.5819273889	Sum of GTIs [s]
			ontime7	4949.6640073806	Sum of GTIs [s]
			ontime8	4949.4998473823	Sum of GTIs [s]
			l1events	203002	Number of level 1 events

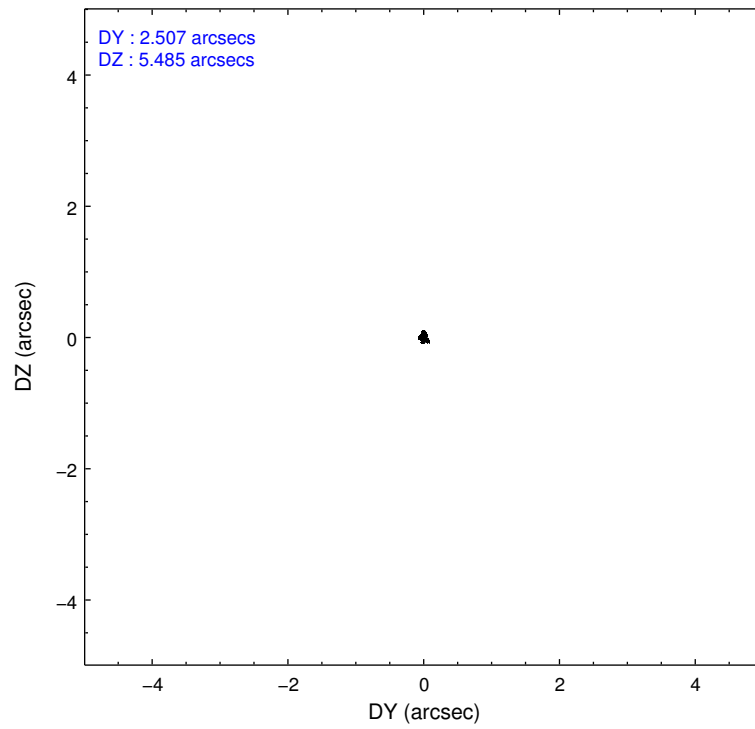
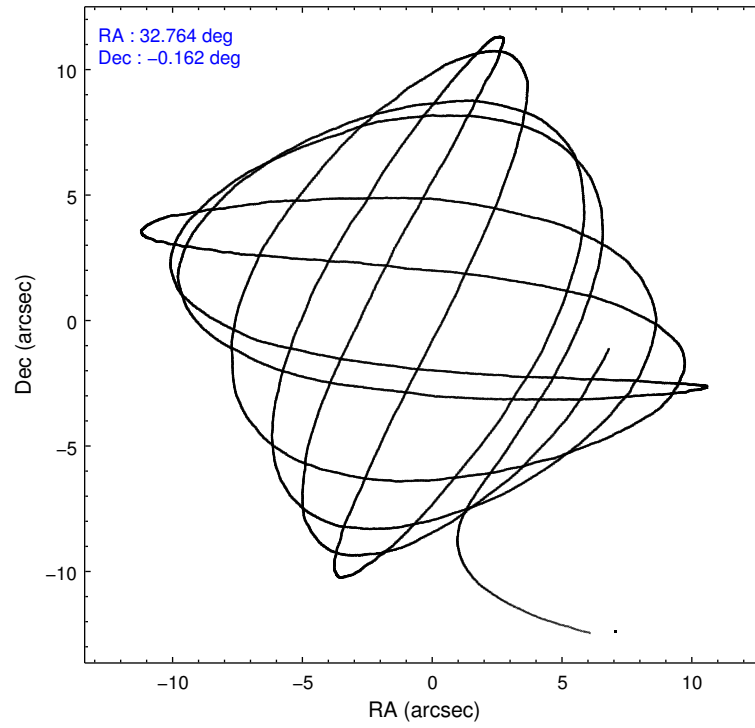
2.1.4 Events

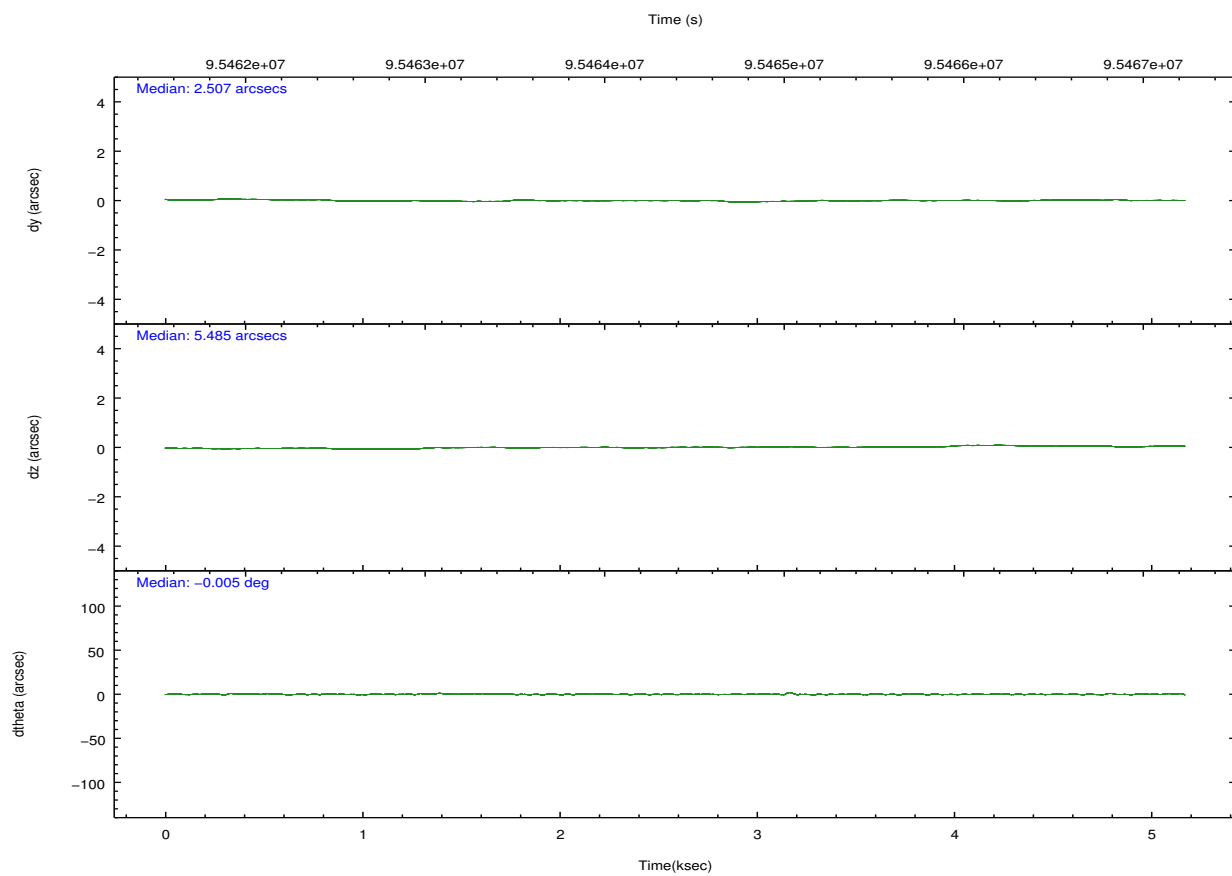
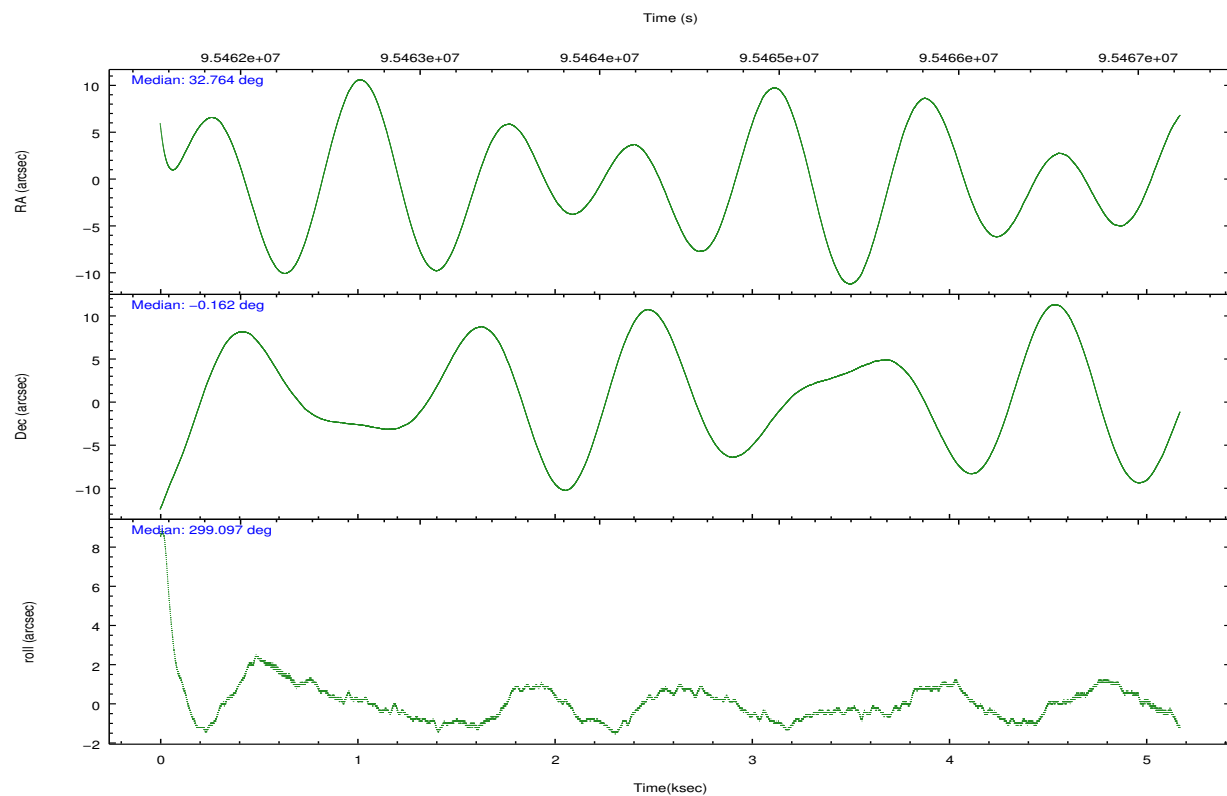
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28809	28527	42989	29227	37741	35709	grade 0 events	1391	1452	2805	1293	1580	2103
rejected events	25496	25171	22583	25923	21849	28714		4%	5%	6%	4%	4%	5%
rejected %	88%	88%	52%	88%	57%	80%	grade 1 events	10	8	78	10	39	12
								0%	0%	0%	0%	0%	0%
							grade 2 events	733	621	5996	723	3063	1577
								2%	2%	13%	2%	8%	4%
							grade 3 events	325	325	890	341	1485	774
								1%	1%	2%	1%	3%	2%
							grade 4 events	306	307	768	302	1453	736
								1%	1%	1%	1%	3%	2%
							grade 5 events	950	1054	3223	1237	3580	1567
								3%	3%	7%	4%	9%	4%
							grade 6 events	561	656	9977	652	8326	1808
								1%	2%	23%	2%	22%	5%
							grade 7 events	24533	24104	19252	24669	18215	27132
								85%	84%	44%	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	32.740850	32.76446141190495	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.148338	-0.1622267919695358	Alternating exposures requested	N	N
[deg] Pointing Roll	298.946433	299.1031633060129	[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)	95461977.184000	95461012.605663			
Observation start date	2001-01-09T21:11:53	2001-01-09T20:56:52			
[s] Observation end time (MET)	95466977.184000	95468186.06843799			
Observation end date	2001-01-09T22:35:13	2001-01-09T22:56:26			
Read mode	TIMED	TIMED			

2.3 Aspect



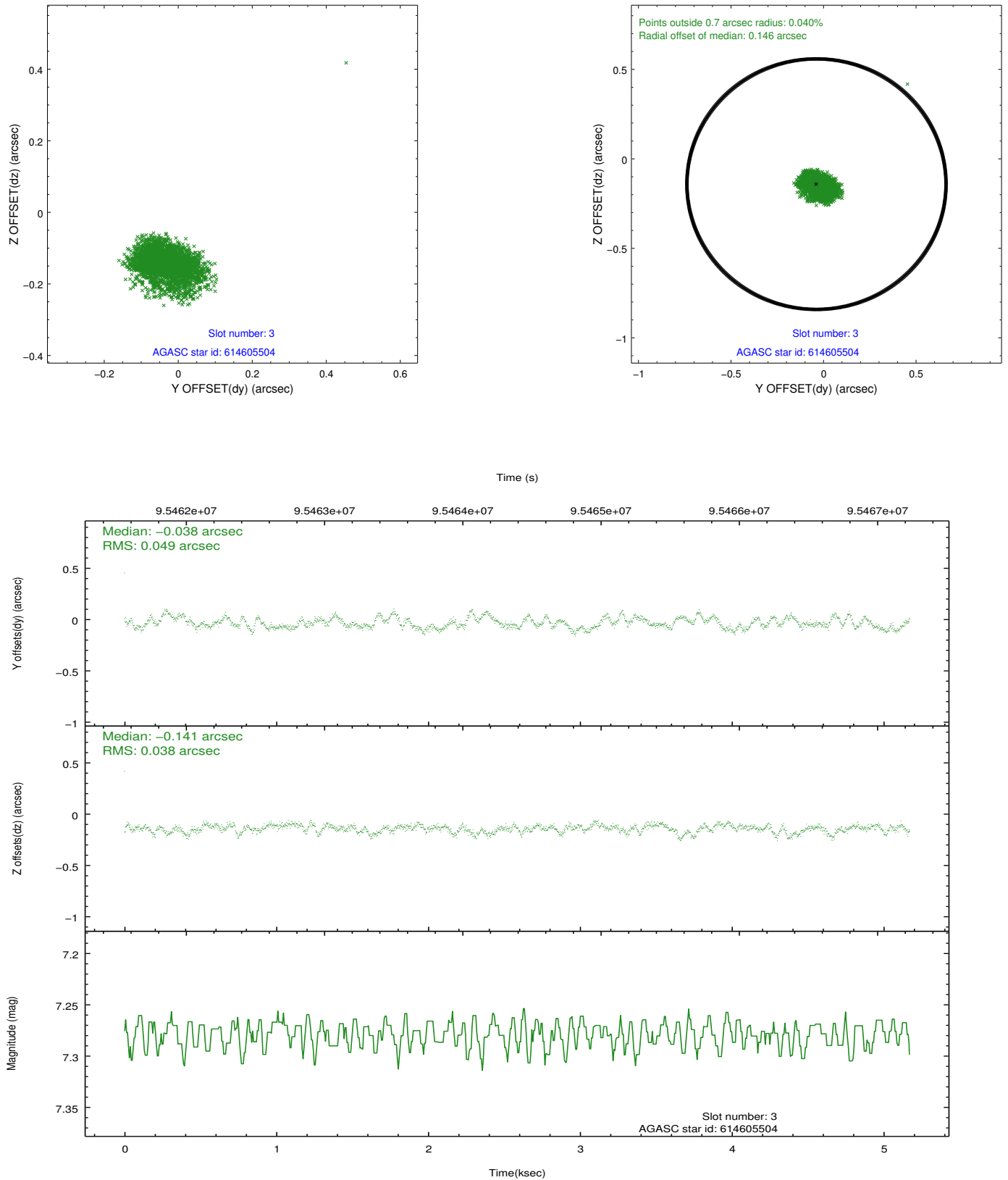


Slot Statistics

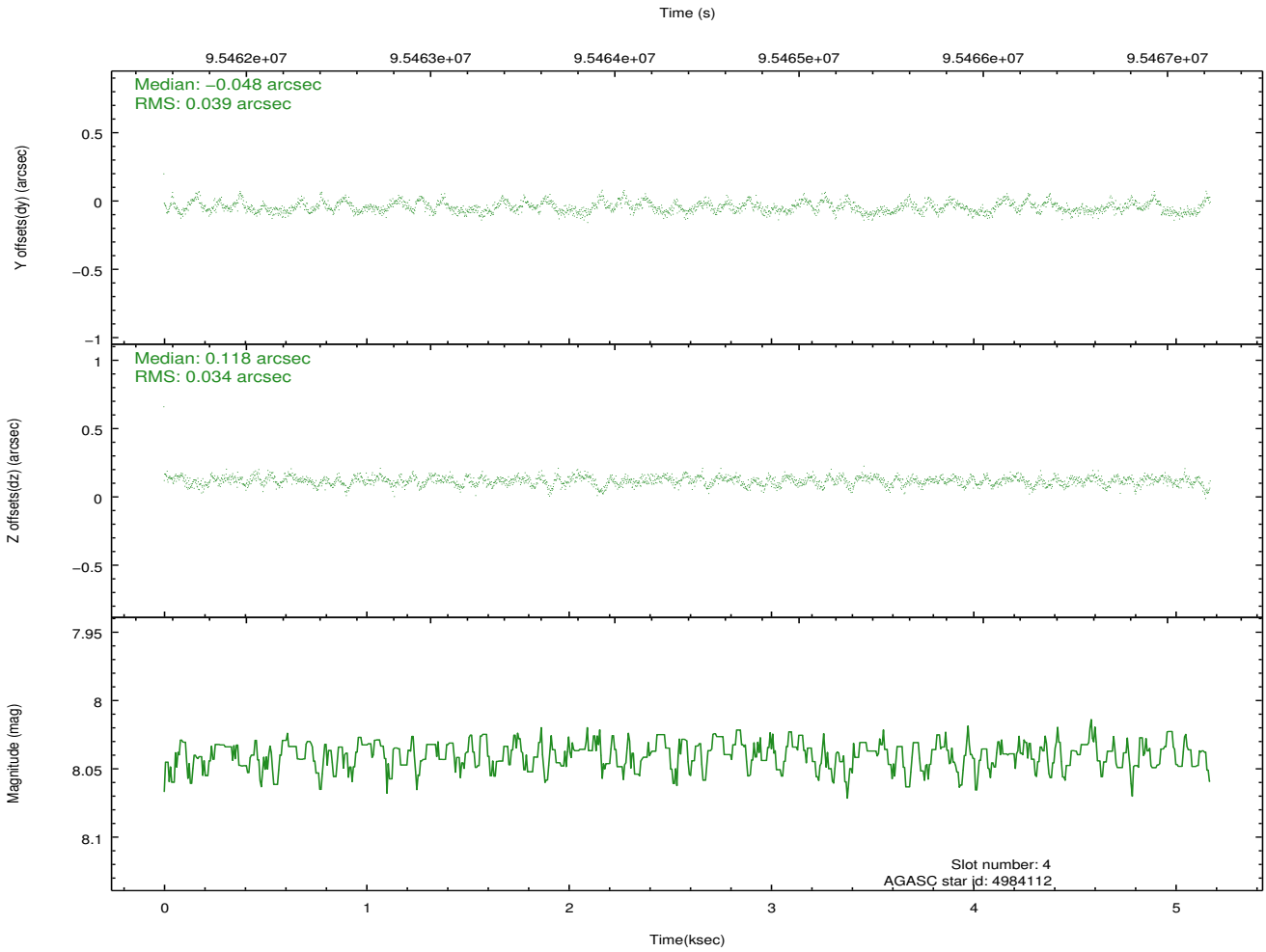
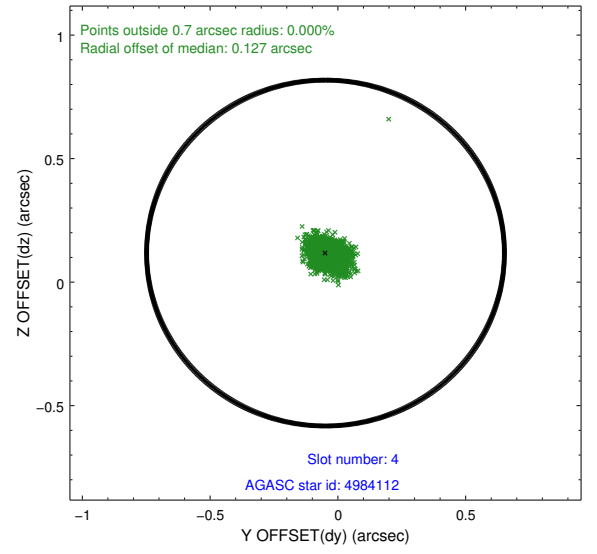
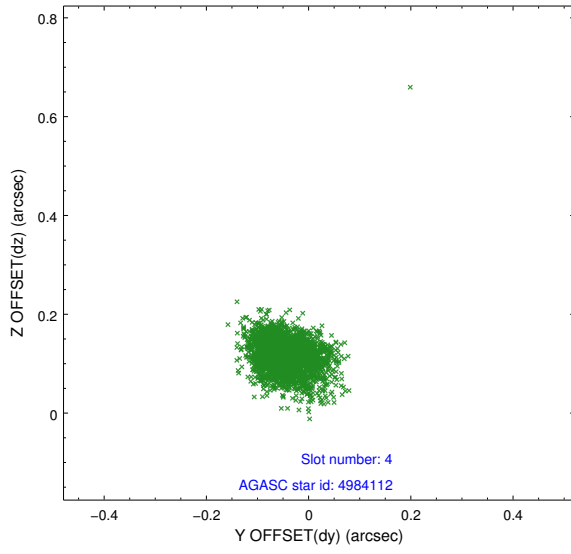
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1262	-0.042	-0.005	0.007	0.010	0.000000	0.000000	-755.14	-1726.63
1	FID	ACIS-S-4	7.21	1262	0.004	0.021	0.006	0.010	0.000000	0.000000	2157.61	180.73
2	FID	ACIS-S-5	7.24	1262	0.007	-0.008	0.006	0.009	0.000000	0.000000	-1806.46	175.63
3	GUIDE	614605504	7.28	2524	-0.038	-0.141	0.064	0.105	32.113697	-0.419301	-238.17	-2447.44
4	GUIDE	4984112	8.04	2524	-0.048	0.118	0.054	0.090	32.933733	0.223546	-835.08	1255.15
5	GUIDE	4981944	8.07	2524	-0.116	-0.077	0.048	0.078	32.552714	0.494378	-2352.37	527.86
6	GUIDE	614728296	8.49	2524	0.080	-0.004	0.052	0.085	32.601360	-0.092275	-419.76	-341.14
7	GUIDE	614728584	9.09	2522	0.127	0.106	0.097	0.158	33.386031	-0.018414	715.30	2259.40

2.4 Star Slots

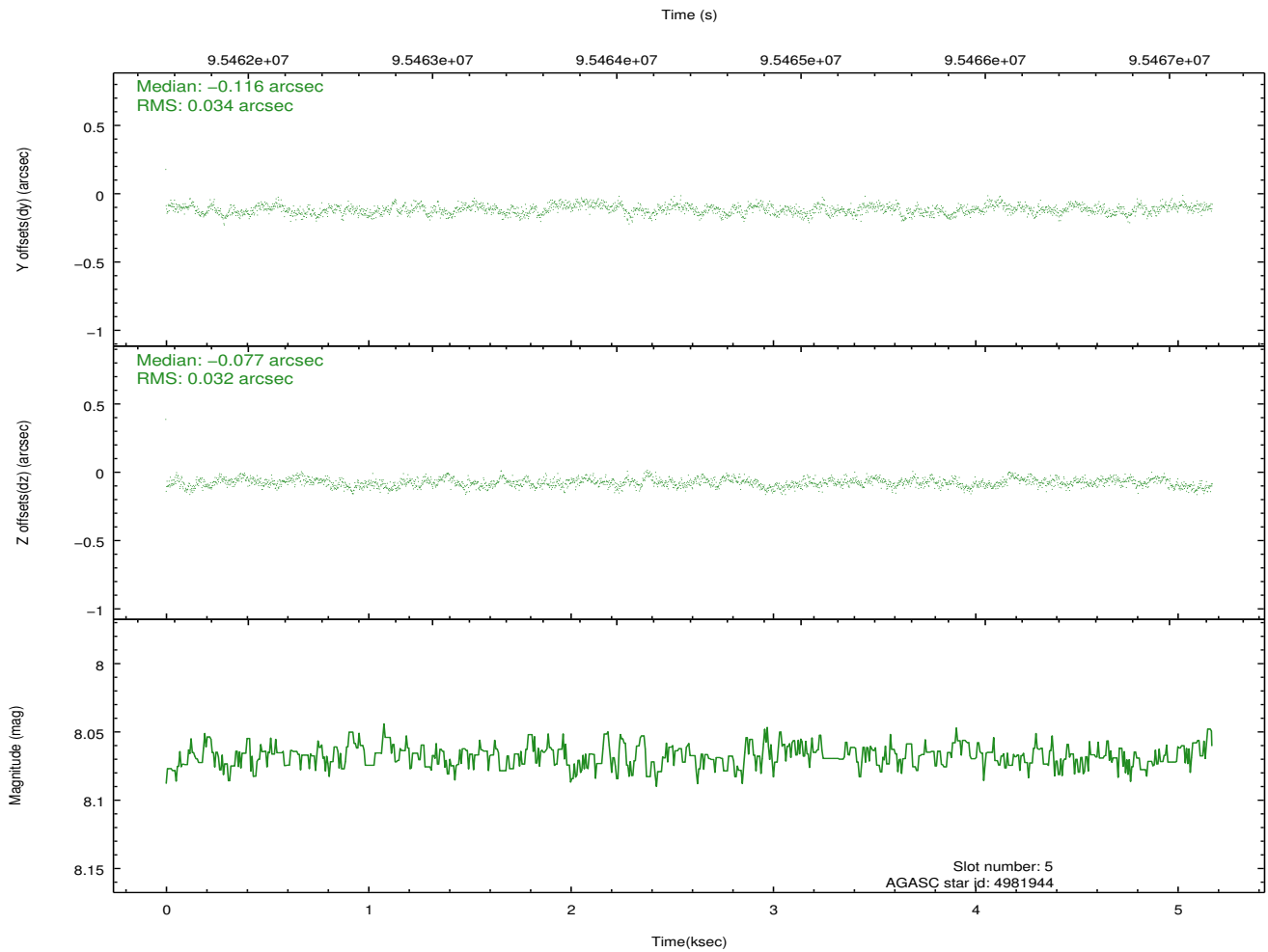
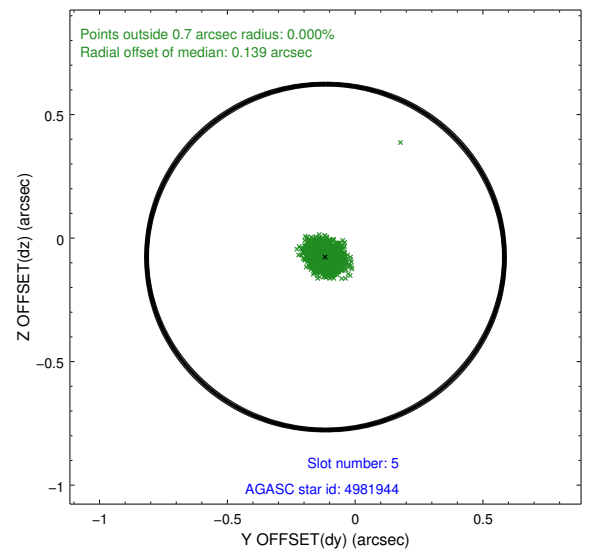
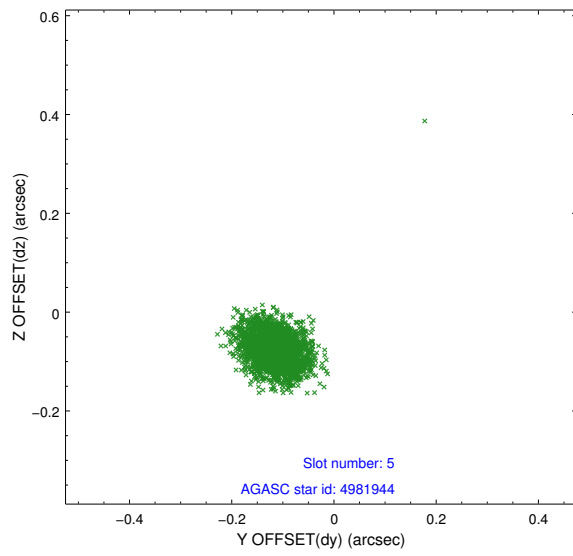
2.4.1 Slot 3



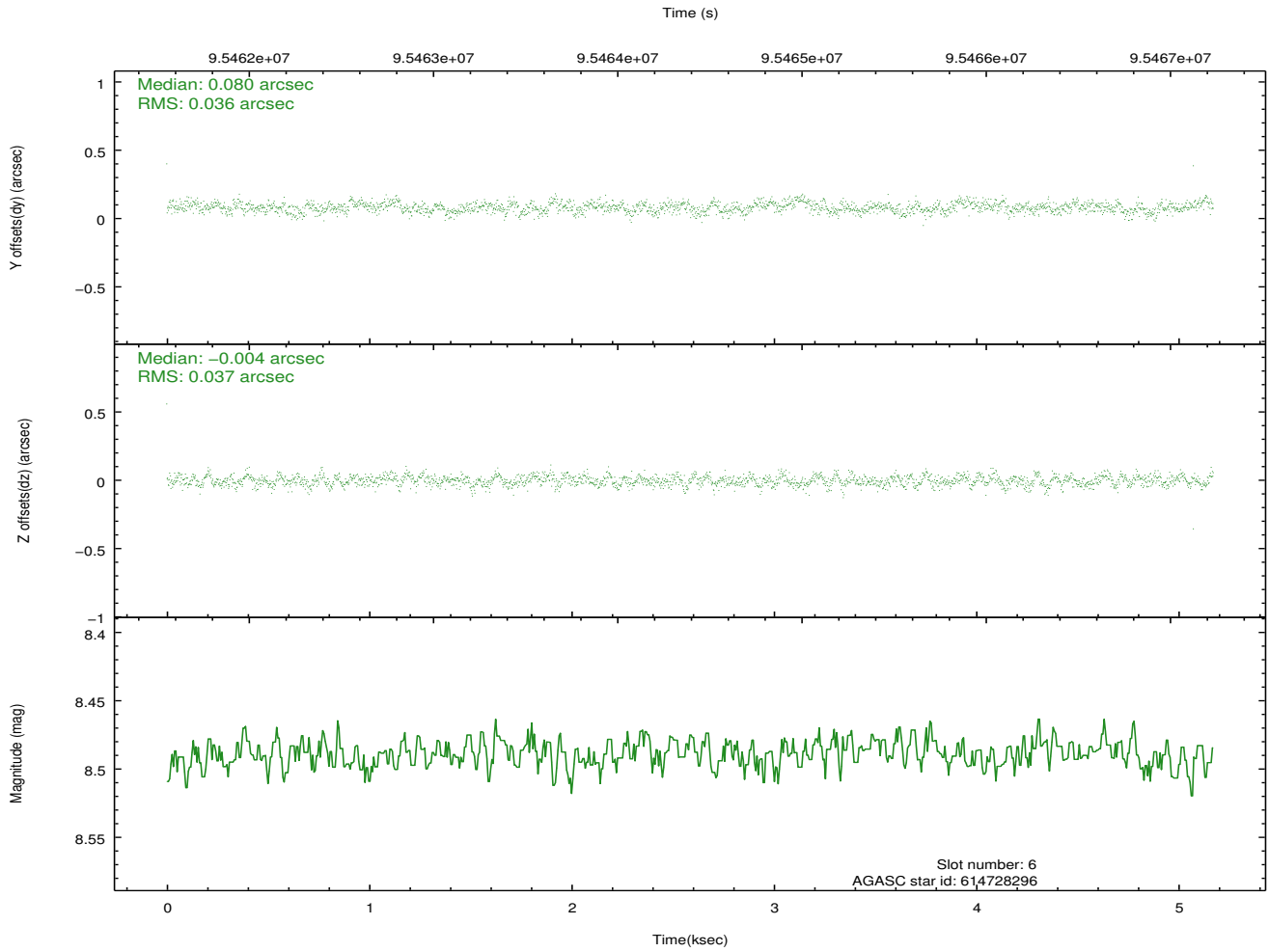
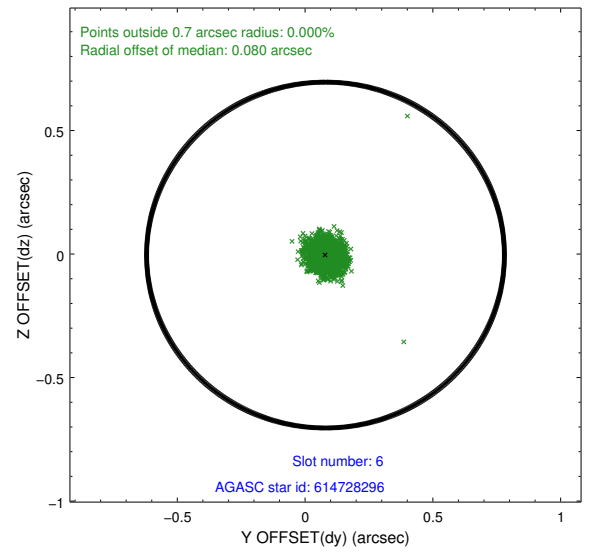
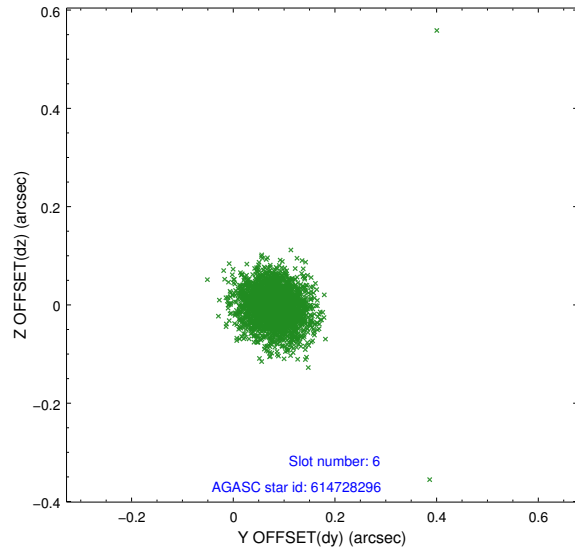
2.4.2 Slot 4



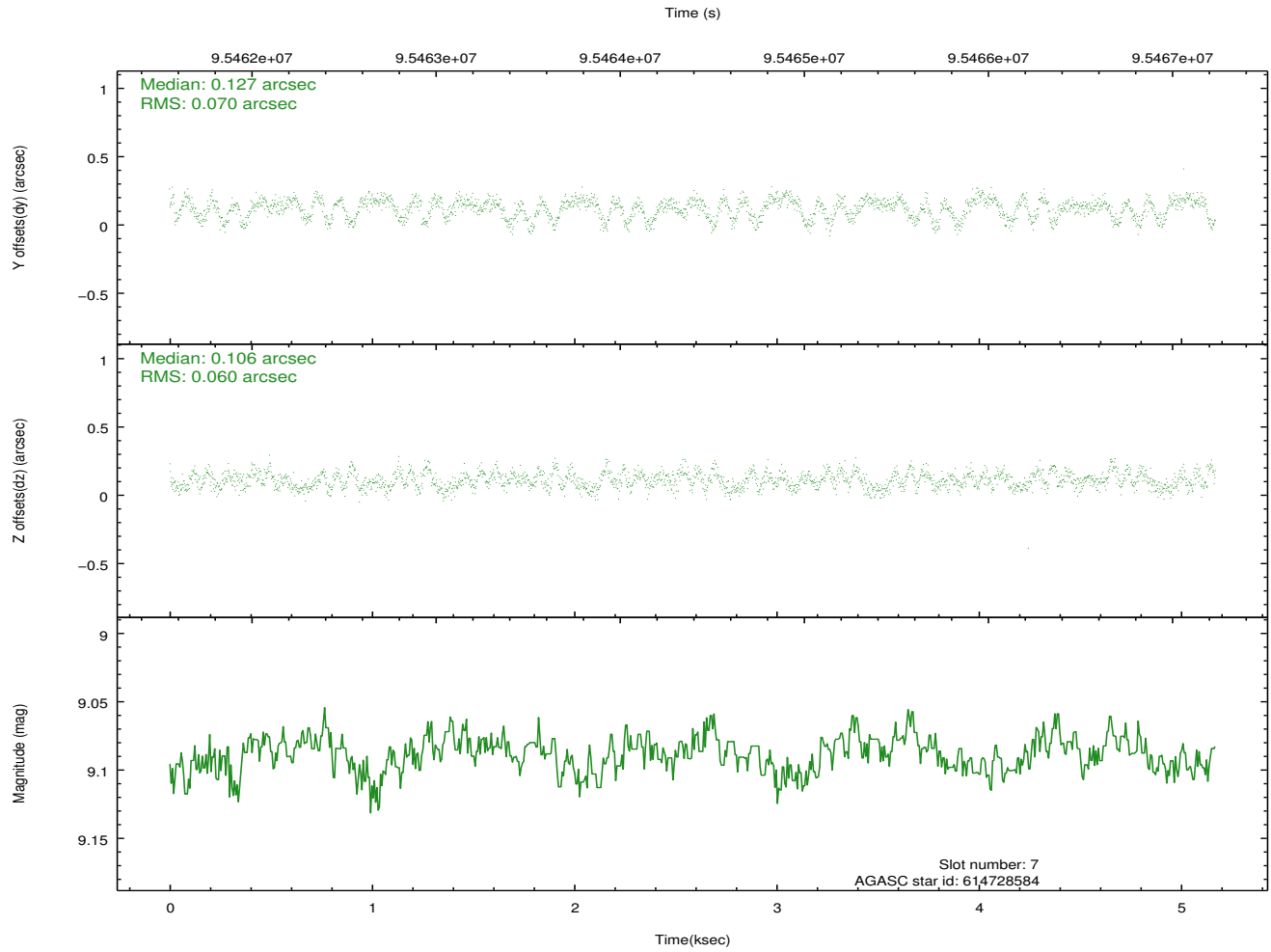
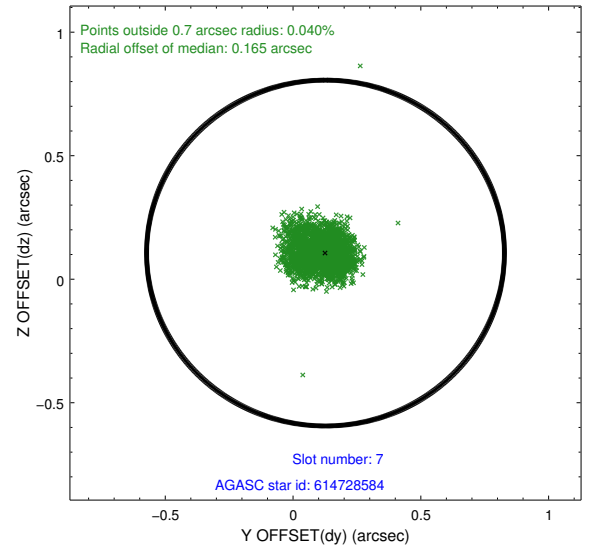
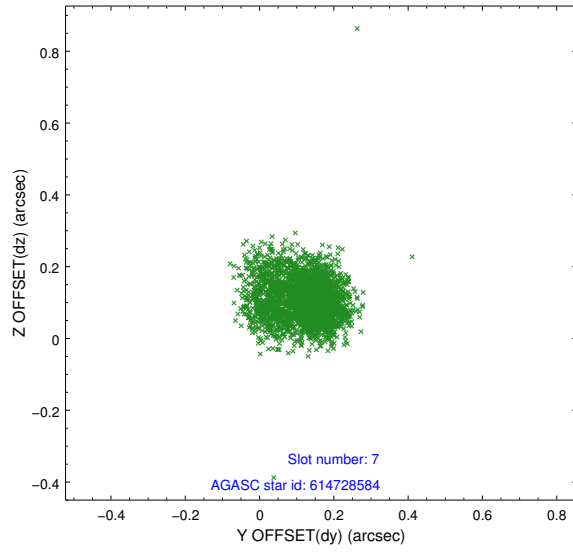
2.4.3 Slot 5



2.4.4 Slot 6

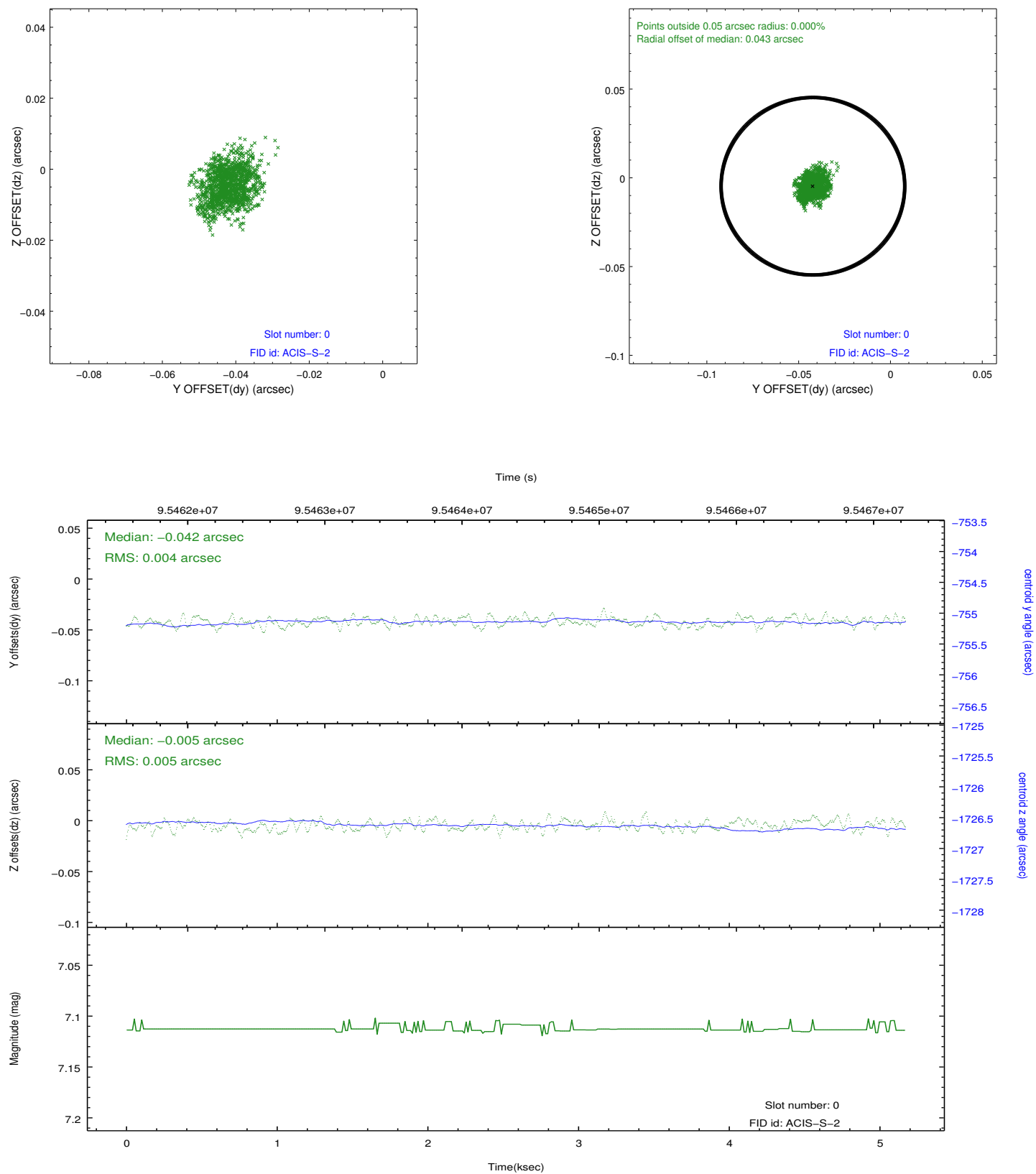


2.4.5 Slot 7

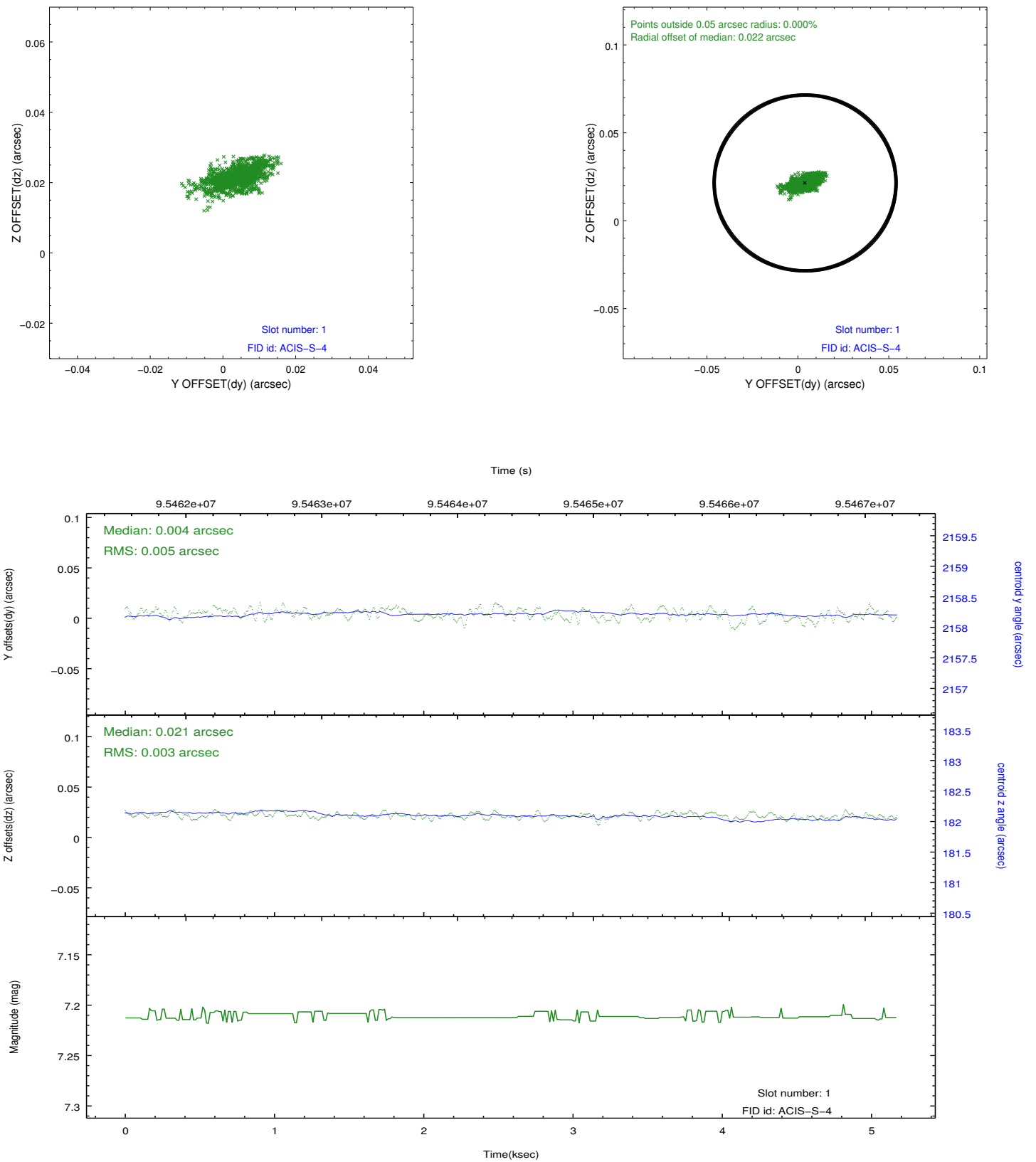


2.5 FID Slots

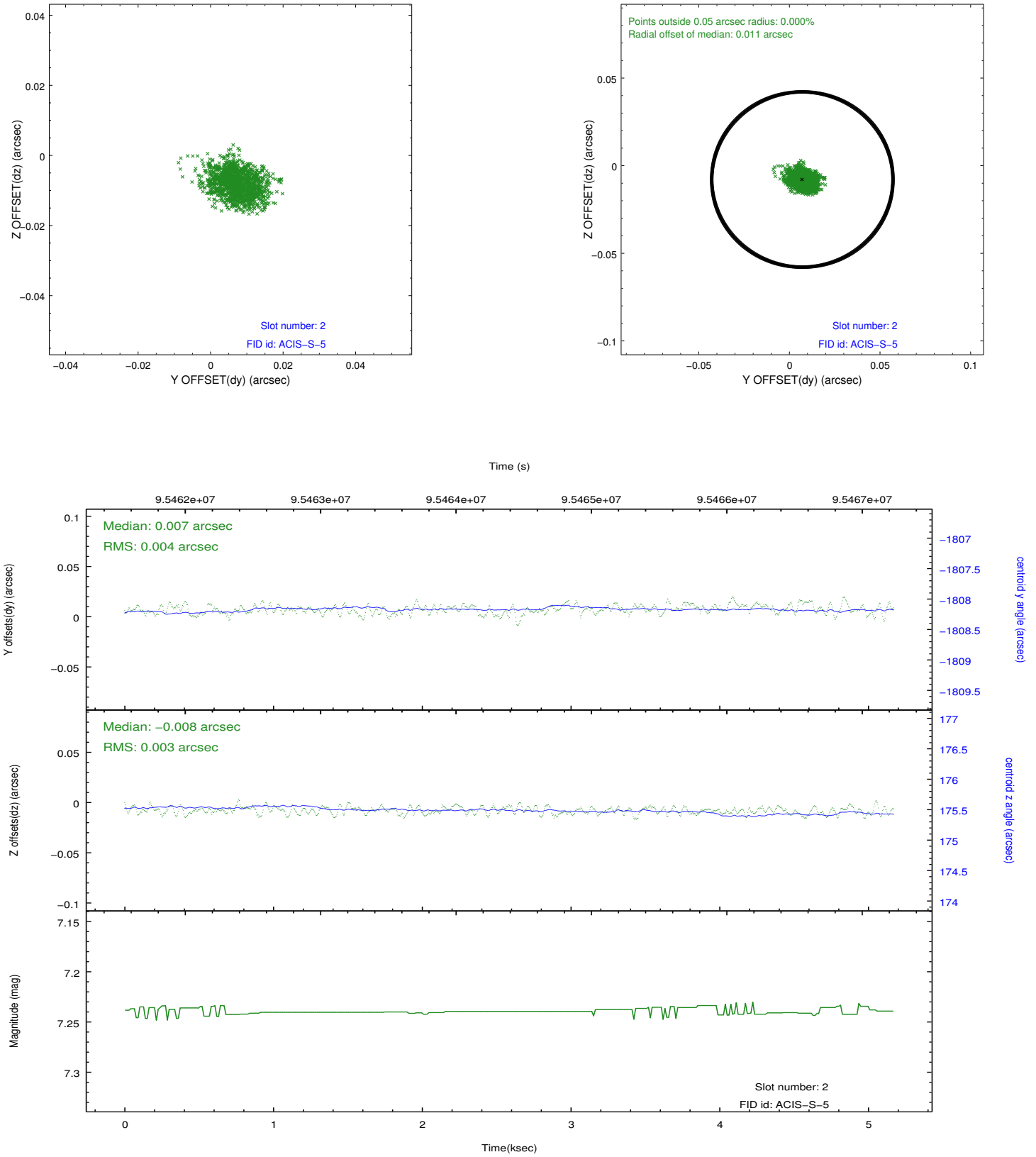
2.5.1 Slot 0



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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95

A.2 Comments