

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3020 - L2 Version 3
Chandra X-Ray Center

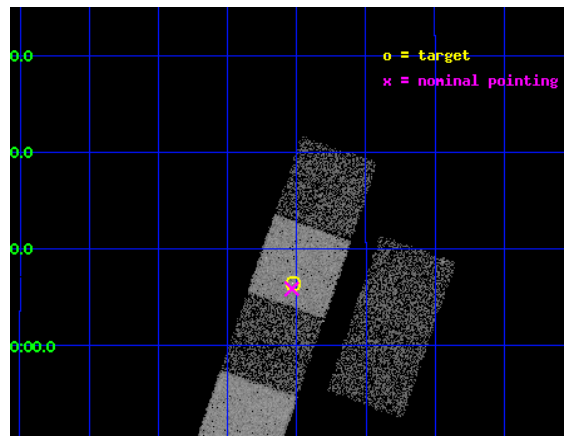
L2 Processing Date : Oct 2 2012

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1 Front

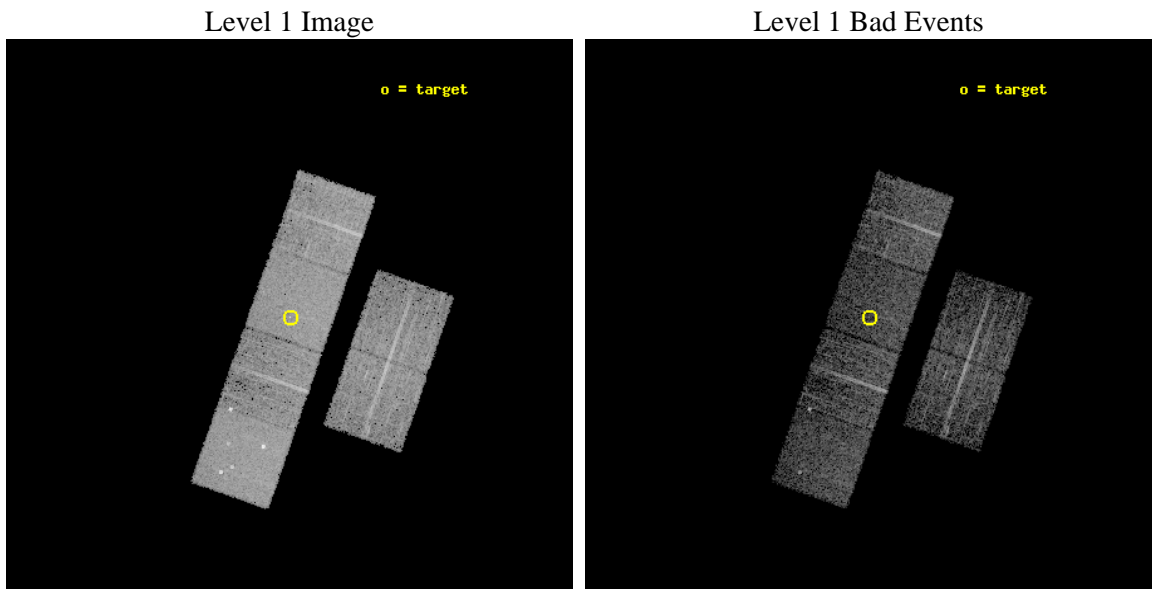
seq_num	700459	Sequence number
obs_id	3020	Observation id
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS	Propos
observer	Dr Robert Priddey	Principal investigator
object	HS0219+1452	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	35.632125	Observer's specified target RA [deg]
dec_targ	15.107944	Observer's specified target Dec [deg]
ra_nom	35.633760570455	Nominal RA [deg]
dec_nom	15.098287499603	Nominal Dec [deg]
roll_nom	289.22043720607	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4755.2000044137	Sum of GTIs [s]
livetime	4694.9867987201	Livetime [s]
ontime2	4755.2000044137	Sum of GTIs [s]
ontime3	4755.2000044137	Sum of GTIs [s]
ontime5	4755.2000044137	Sum of GTIs [s]
ontime6	4755.2000044137	Sum of GTIs [s]
ontime7	4755.2000044137	Sum of GTIs [s]
ontime8	4751.9590341598	Sum of GTIs [s]
l2events	50373	Number of level 2 events



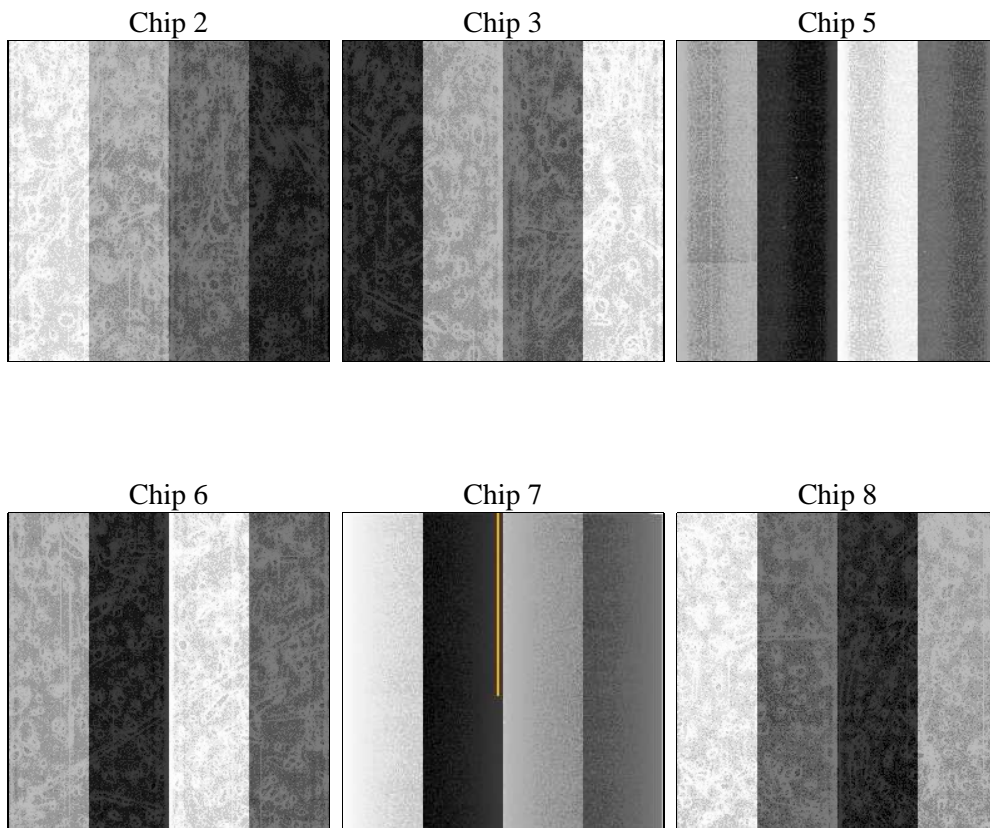
2 OBI

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	4755.2000044137	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4755.2000044137	Sum of GTIs [s]
date	2012-10-02T05:09:59	Date and time of file creation	ontime3	4755.2000044137	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4755.2000044137	Sum of GTIs [s]
			ontime6	4755.2000044137	Sum of GTIs [s]
			ontime7	4755.2000044137	Sum of GTIs [s]
			ontime8	4751.9590341598	Sum of GTIs [s]
			l1events	225890	Number of level 1 events

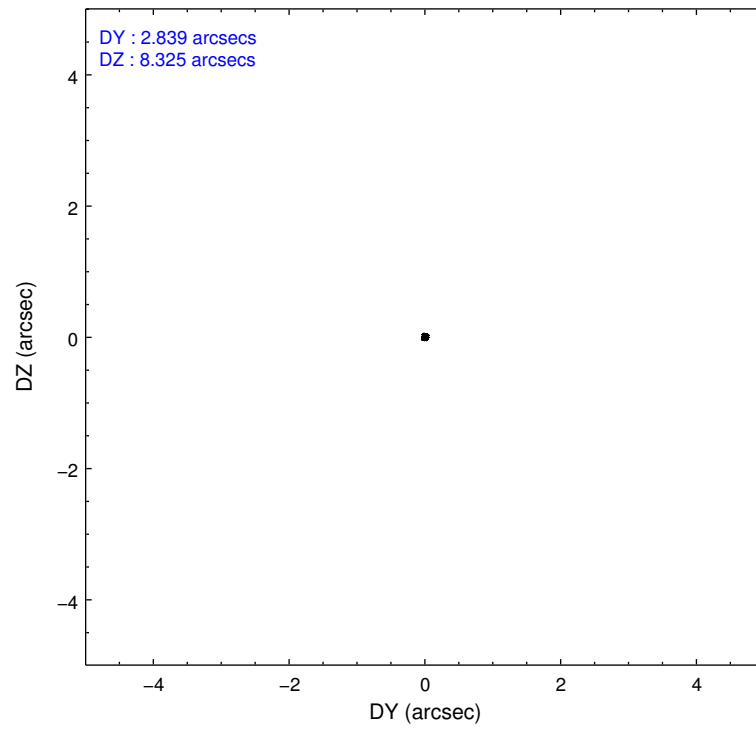
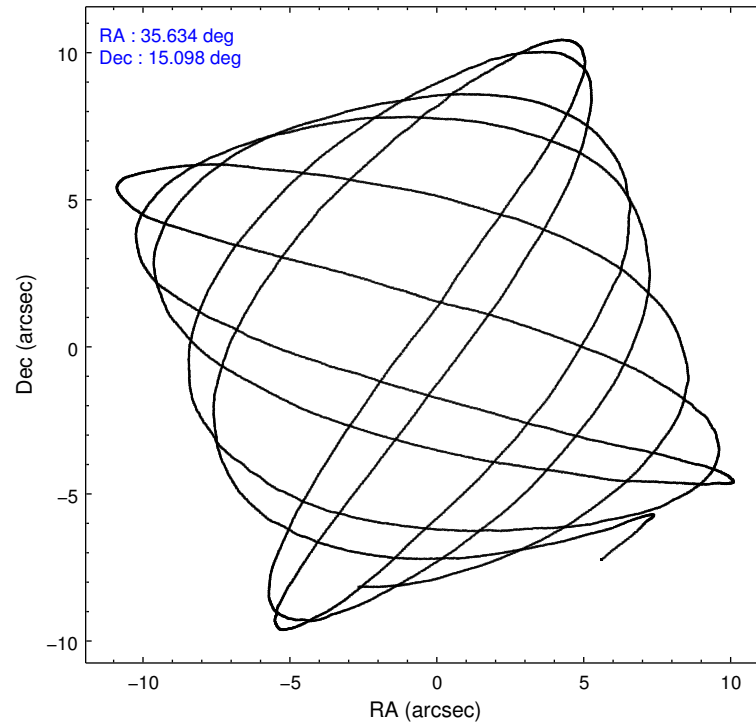
2.1.4 Events

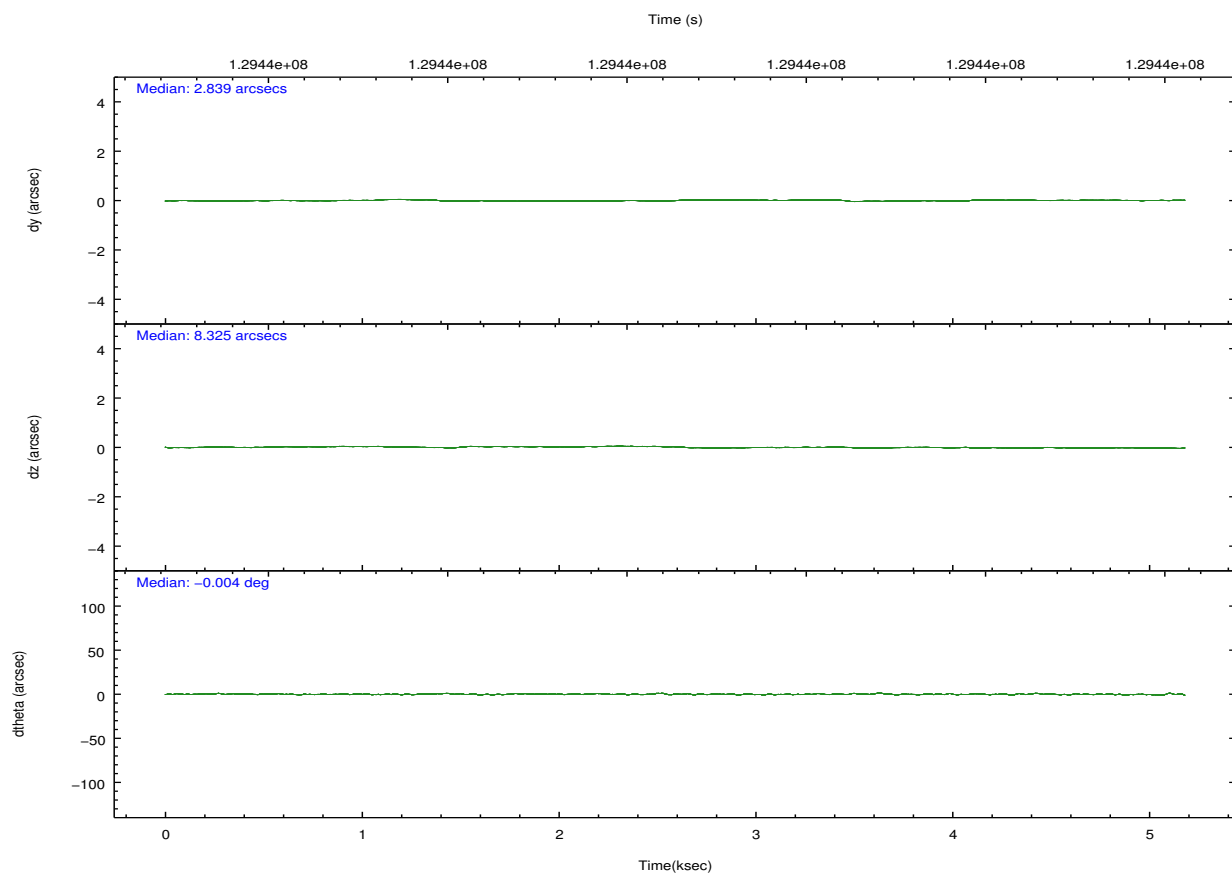
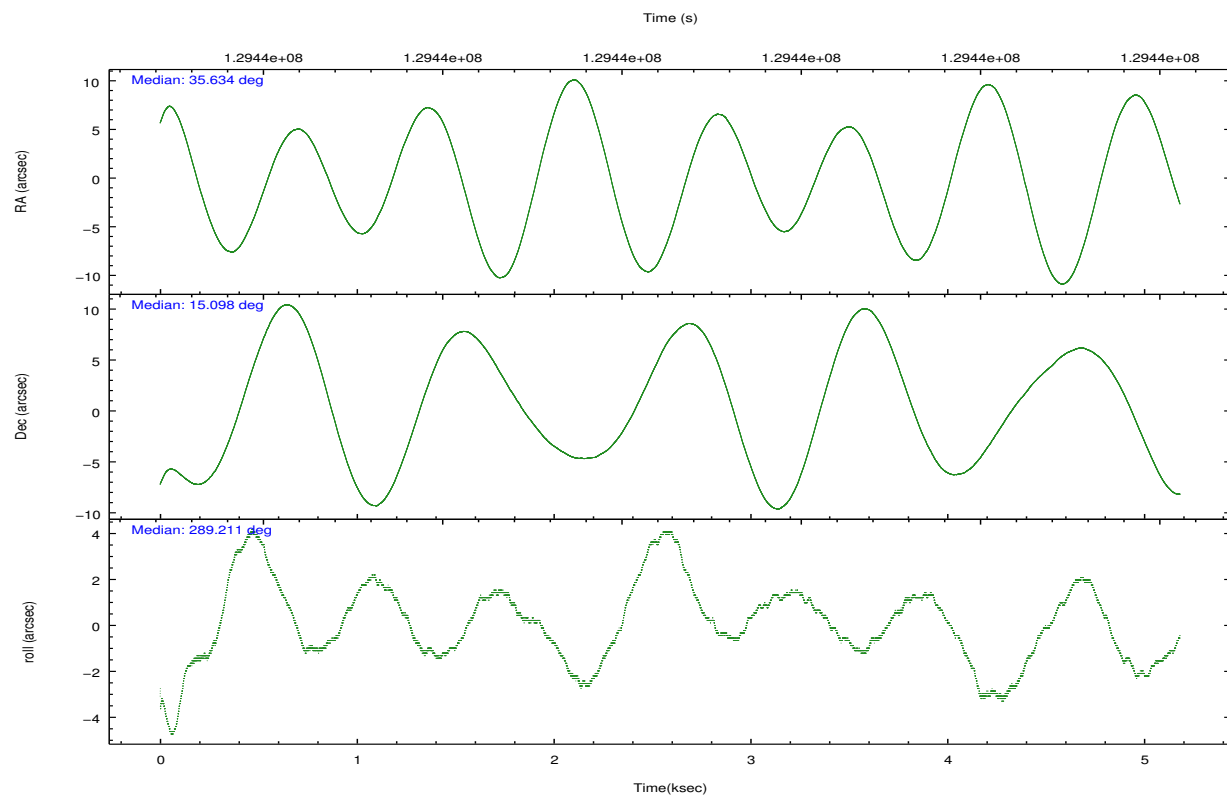
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31773	29536	47560	32097	42037	42887	grade 0 events	1447	1505	3997	1513	1842	2425
rejected events	28271	26039	24137	28346	23806	34919		4%	5%	8%	4%	4%	5%
rejected %	88%	88%	50%	88%	56%	81%	grade 1 events	16	12	310	11	59	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	791	715	6311	763	3567	1731
								2%	2%	13%	2%	8%	4%
							grade 3 events	317	337	981	388	1619	843
								0%	1%	2%	1%	3%	1%
							grade 4 events	345	375	881	353	1674	788
								1%	1%	1%	1%	3%	1%
							grade 5 events	1128	1213	3449	1377	3902	1613
								3%	4%	7%	4%	9%	3%
							grade 6 events	602	567	11273	737	9543	2192
								1%	1%	23%	2%	22%	5%
							grade 7 events	27127	24812	20358	26955	19831	33273
								85%	84%	42%	83%	47%	77%

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	35.612109	35.63376057045453	Subarray requested	NONE	NONE
[deg] Pointing Dec	15.115901	15.09828749960258	Alternating exposures requested	N	N
[deg] Pointing Roll	289.069453	289.2204372060683	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	129436861.184000	129436124.67838			
Observation start date	2002-02-07T02:39:57	2002-02-07T02:28:44			
[s] Observation end time (MET)	129441861.184000	129442295.17863			
Observation end date	2002-02-07T04:03:17	2002-02-07T04:11:35			
Read mode	TIMED	TIMED			

2.3 Aspect



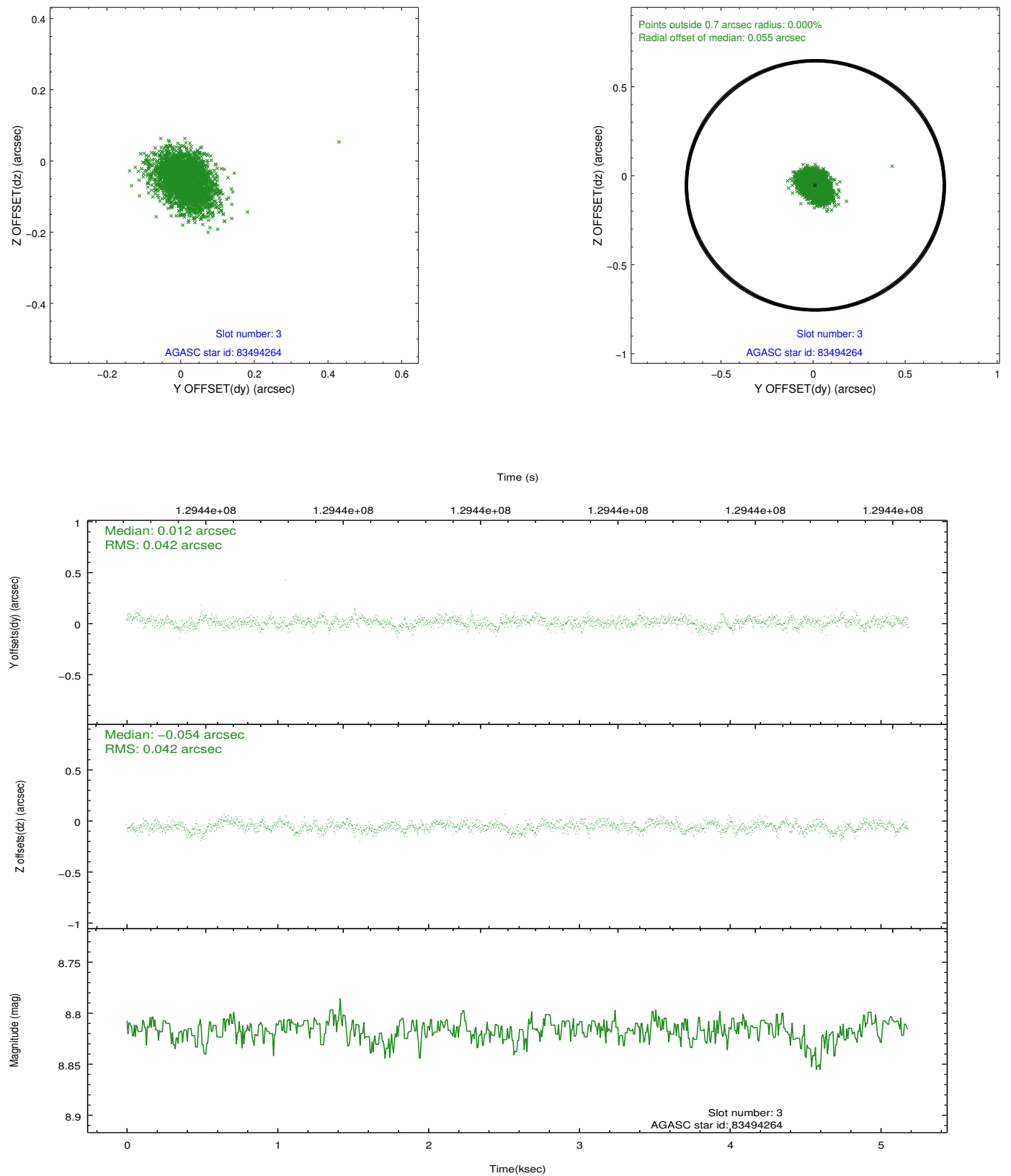


Slot Statistics

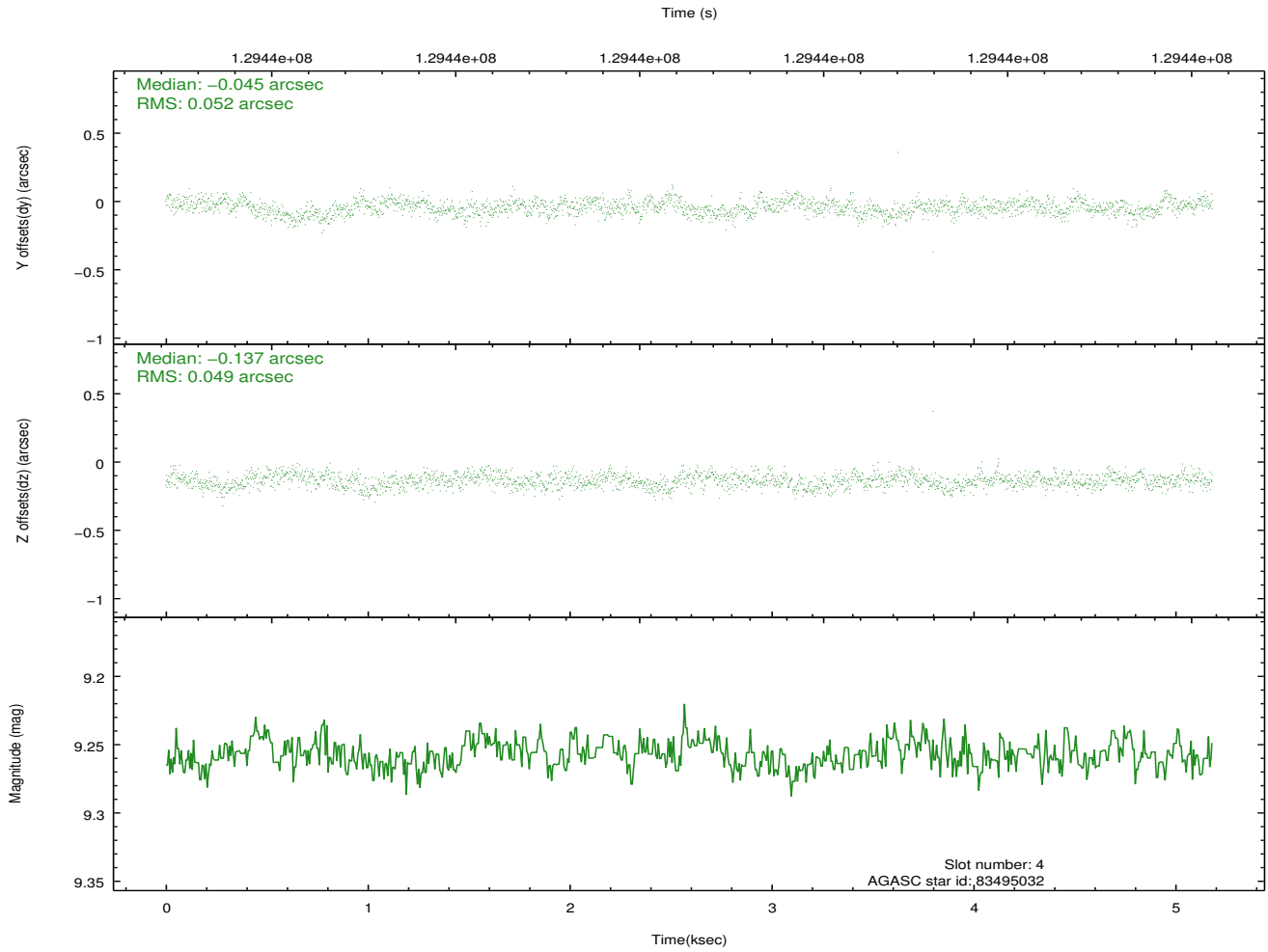
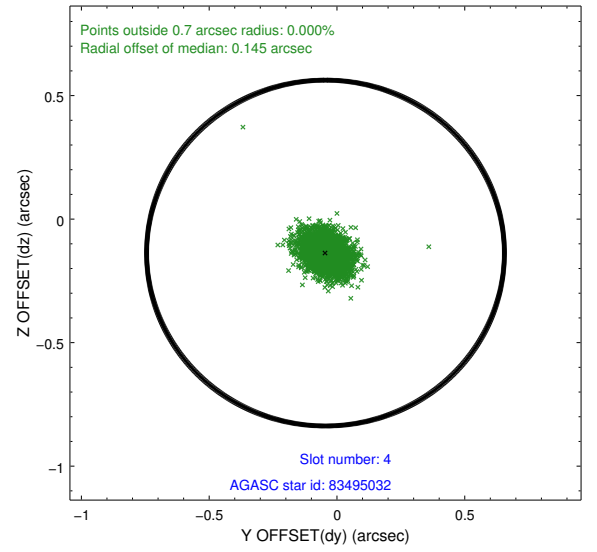
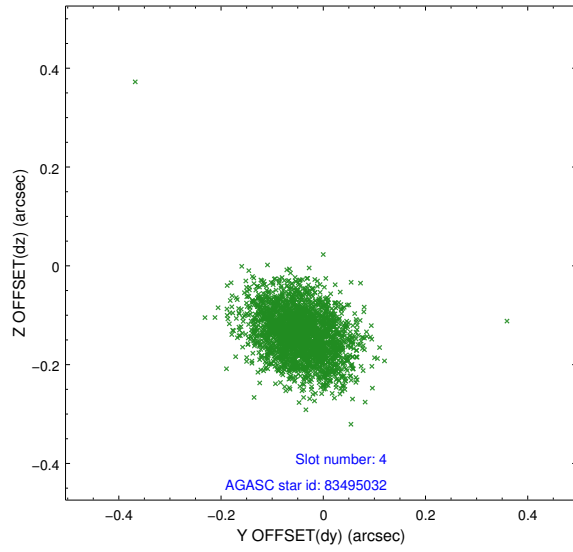
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1264	-0.004	-0.003	0.006	0.010	0.000000	0.000000	-755.49	-1729.48
1	FID	ACIS-S-4	7.19	1264	-0.046	0.003	0.005	0.010	0.000000	0.000000	2157.23	177.79
2	FID	ACIS-S-5	7.24	1264	0.019	0.010	0.006	0.010	0.000000	0.000000	-1806.79	172.82
3	GUIDE	83494264	8.82	2528	0.012	-0.054	0.064	0.104	35.685938	14.827820	1064.18	-96.65
4	GUIDE	83495032	9.26	2528	-0.045	-0.137	0.074	0.121	35.424725	14.735004	1083.20	-1065.30
5	GUIDE	159260976	10.01	2527	0.041	0.088	0.136	0.227	36.268891	15.062897	923.38	2095.65
6	GUIDE	159261912	8.17	2529	-0.145	0.024	0.071	0.110	36.113413	15.524876	-825.34	2125.04
7	GUIDE	83630320	9.73	2527	0.132	0.080	0.120	0.196	36.209406	14.669275	2196.30	1442.19

2.4 Star Slots

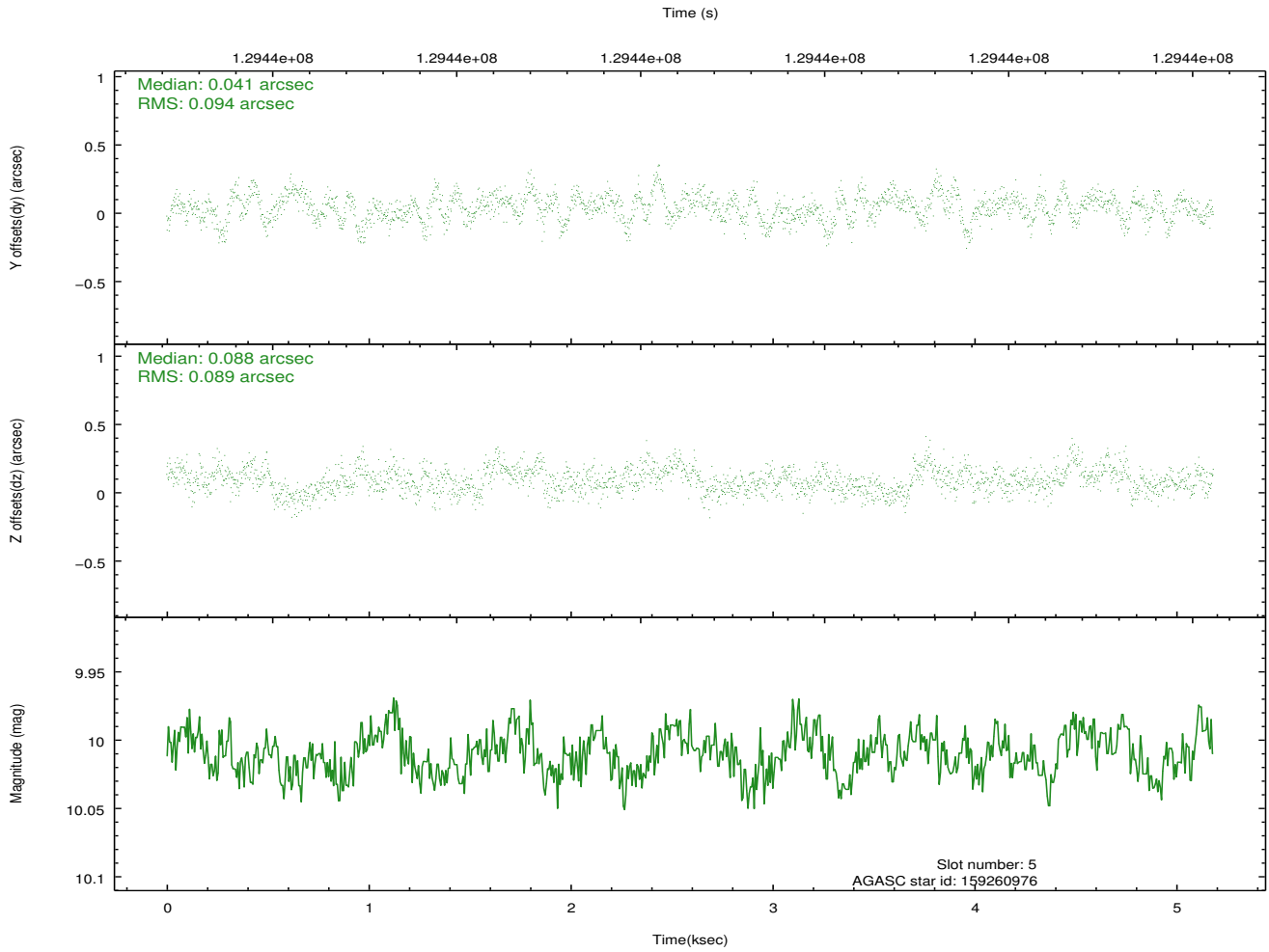
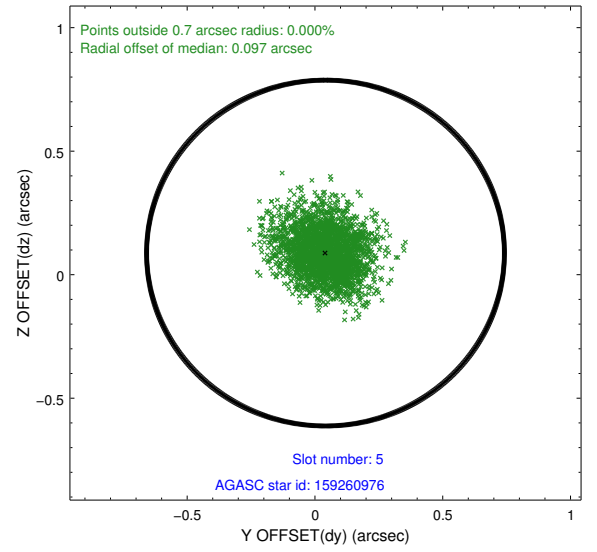
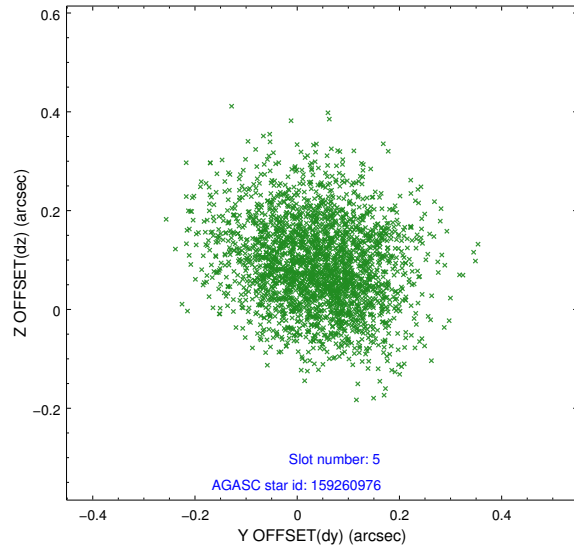
2.4.1 Slot 3



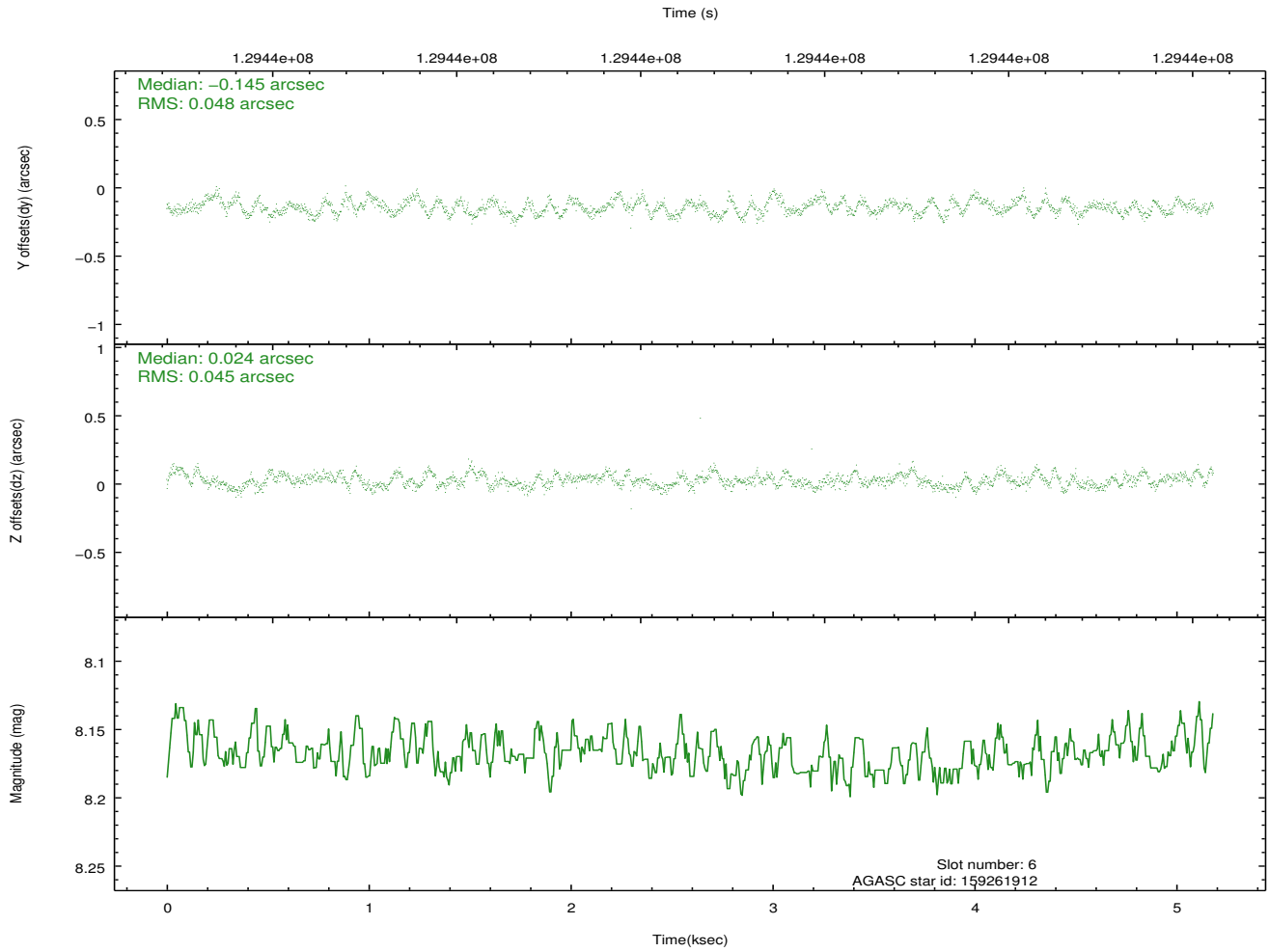
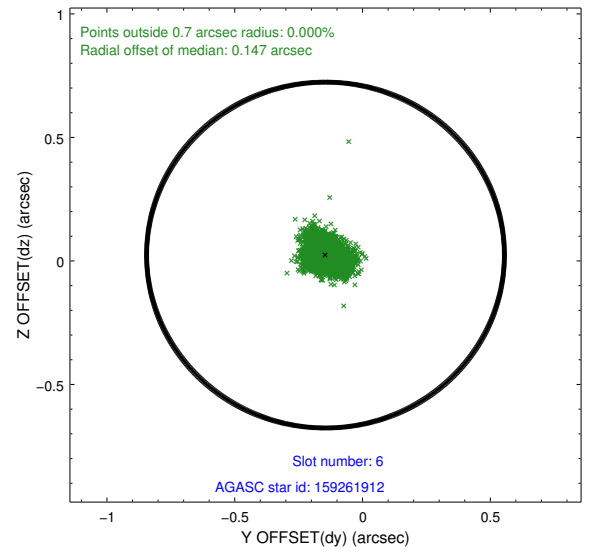
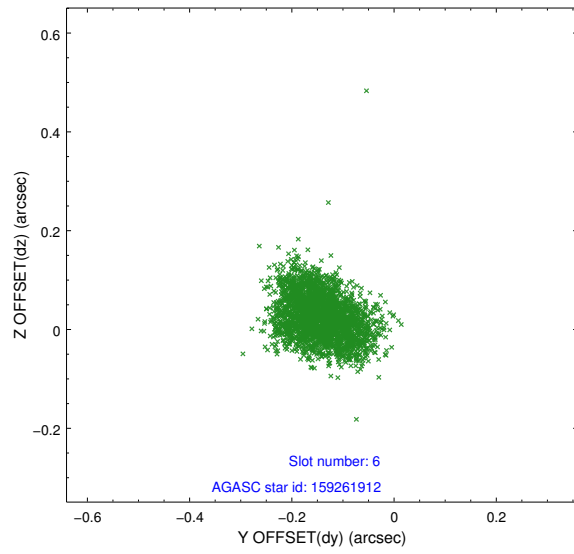
2.4.2 Slot 4



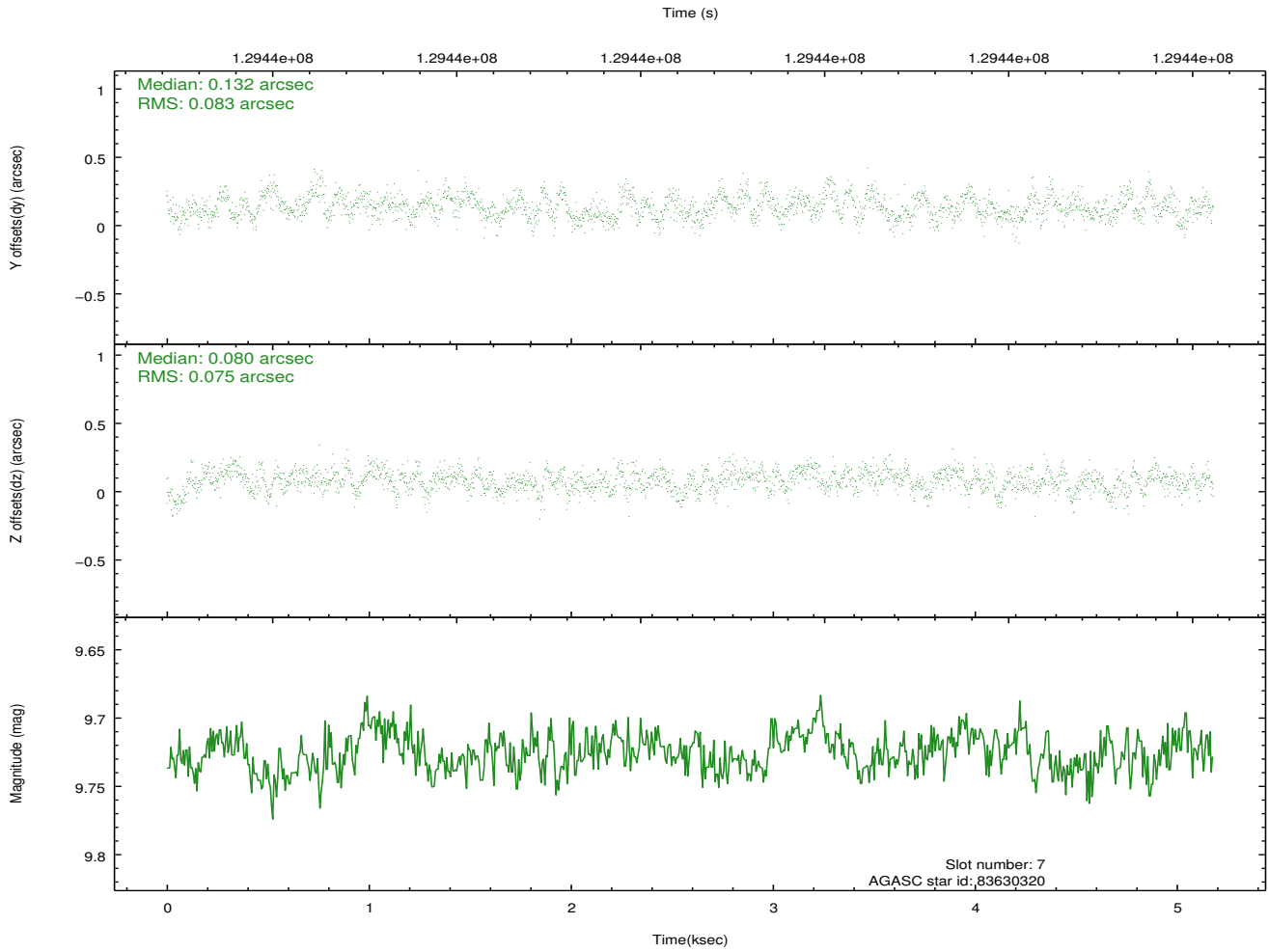
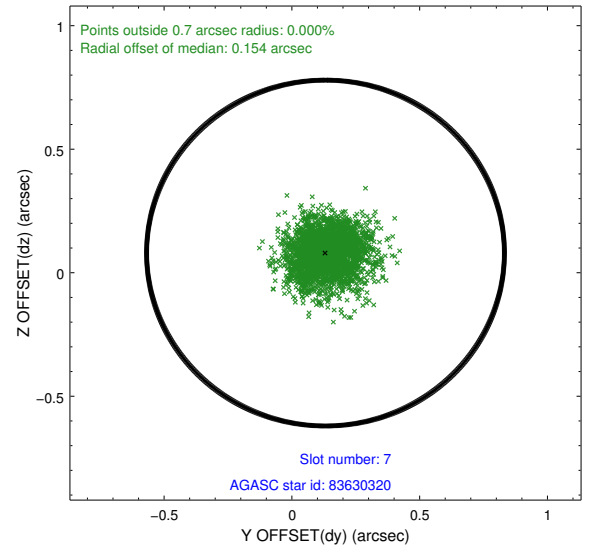
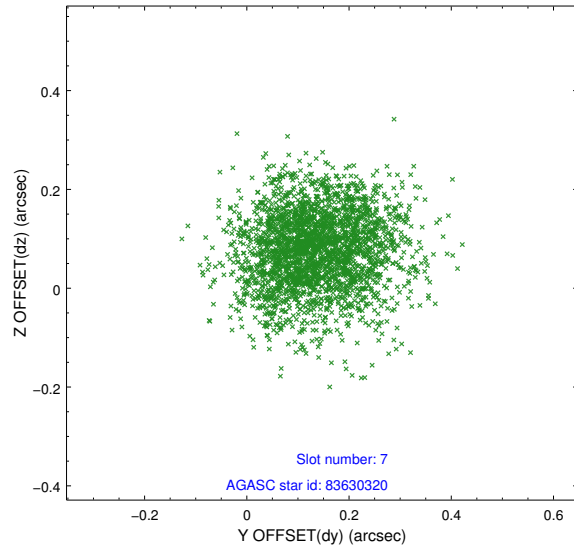
2.4.3 Slot 5



2.4.4 Slot 6

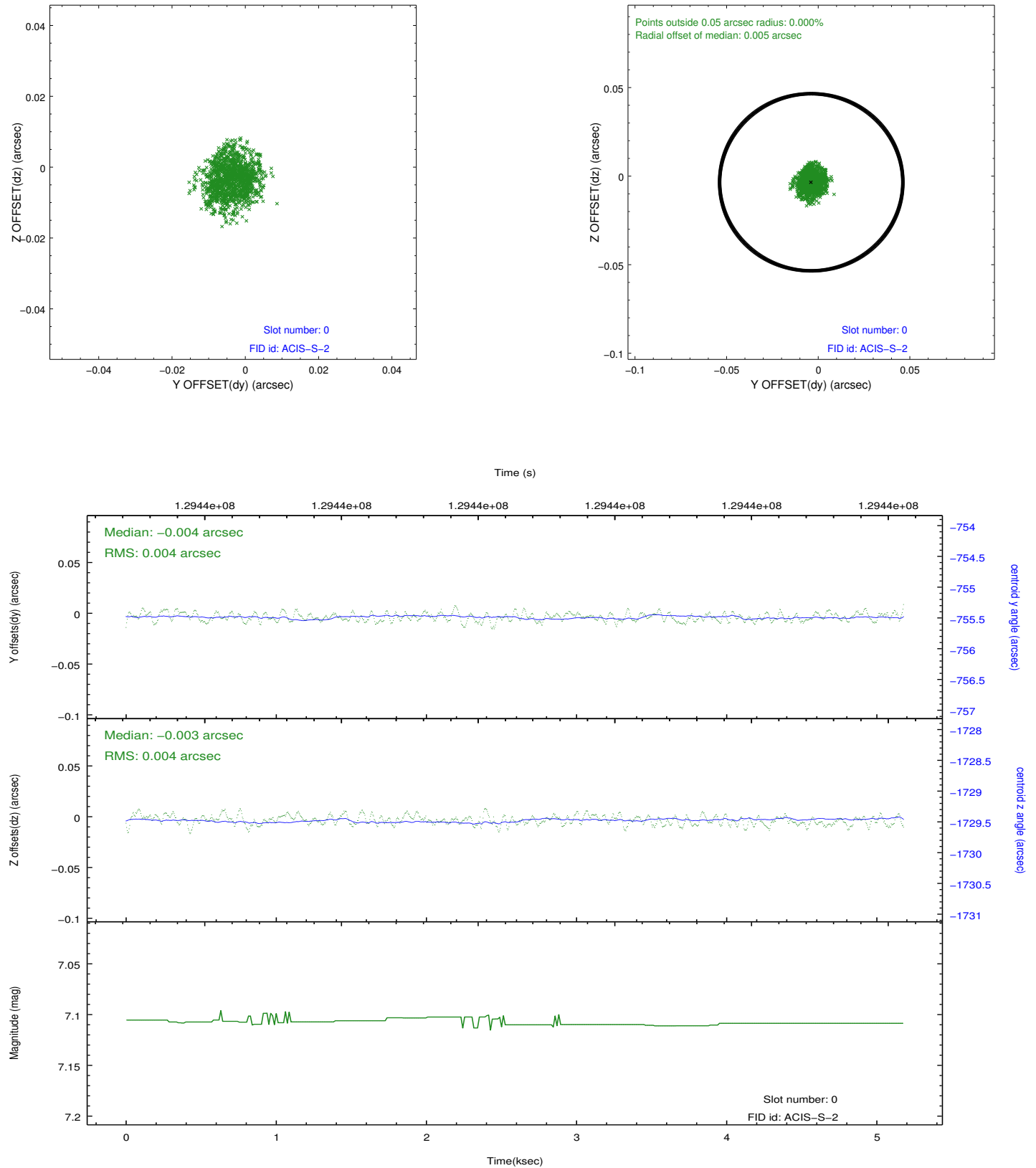


2.4.5 Slot 7

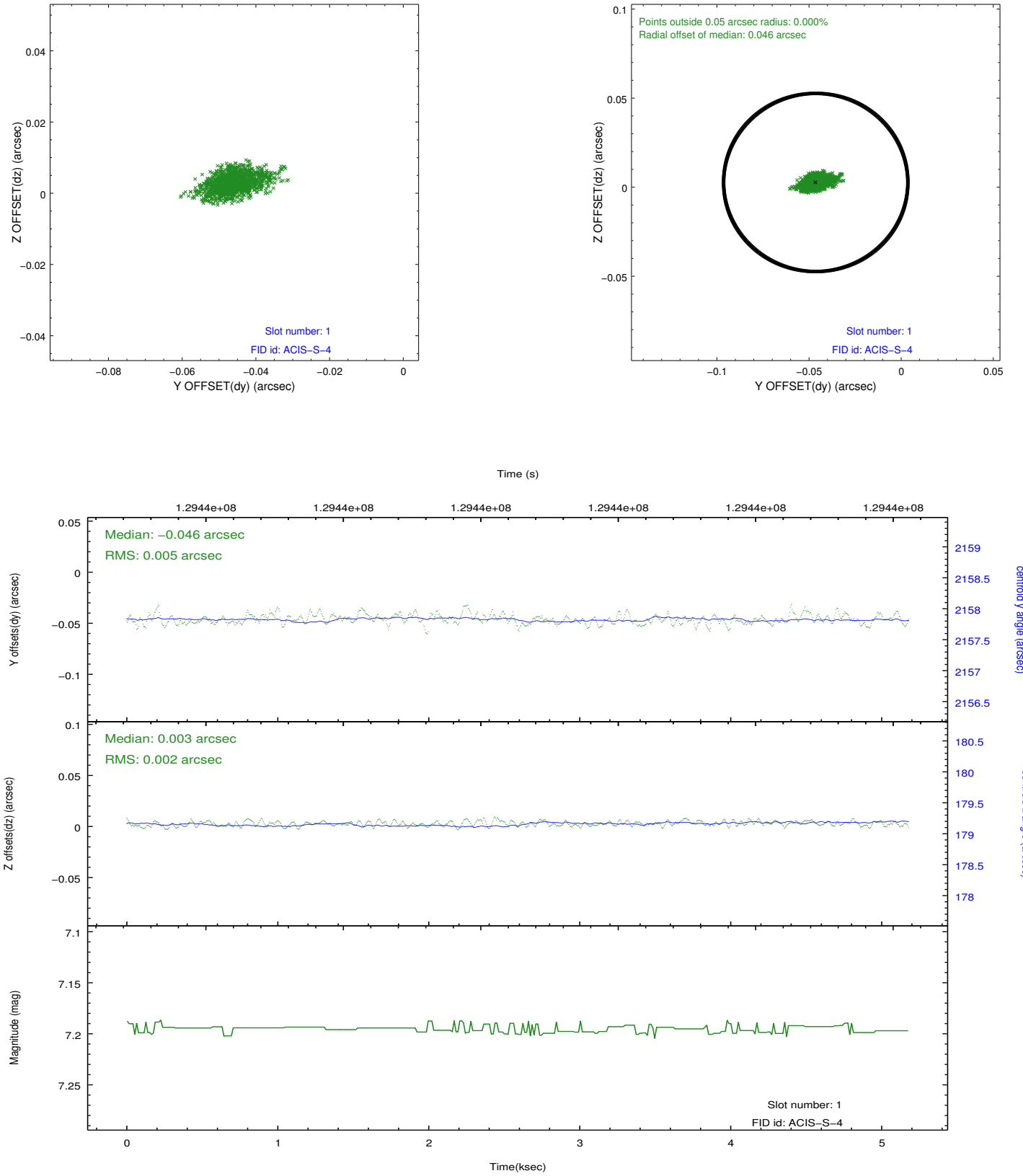


2.5 FID Slots

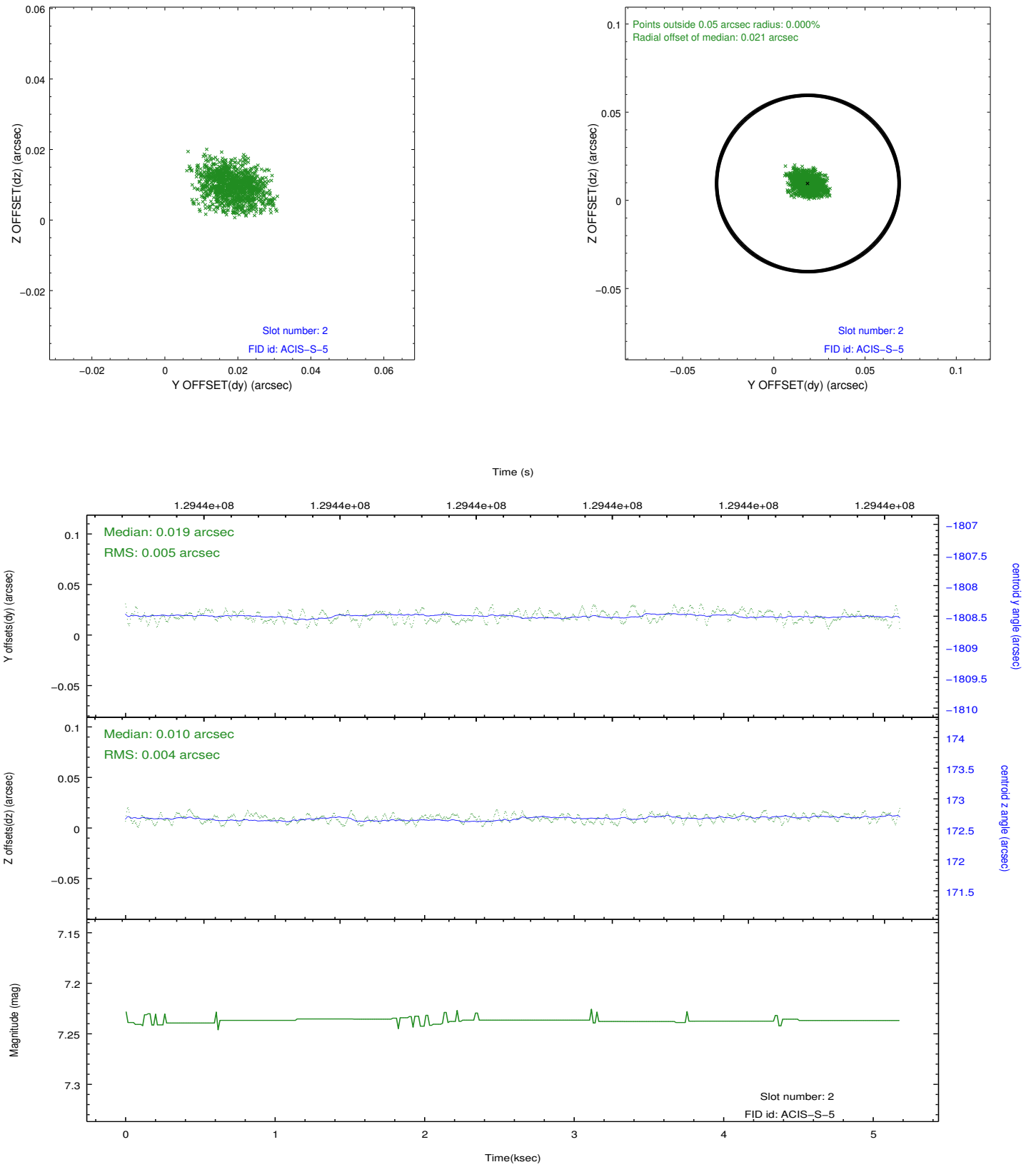
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.758

A.2 Comments