

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3035 - L2 Version 3
Chandra X-Ray Center

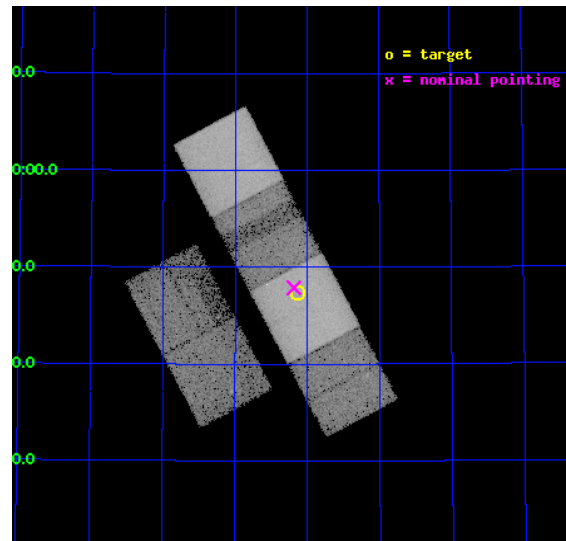
L2 Processing Date : Sep 26 2012

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1 Front

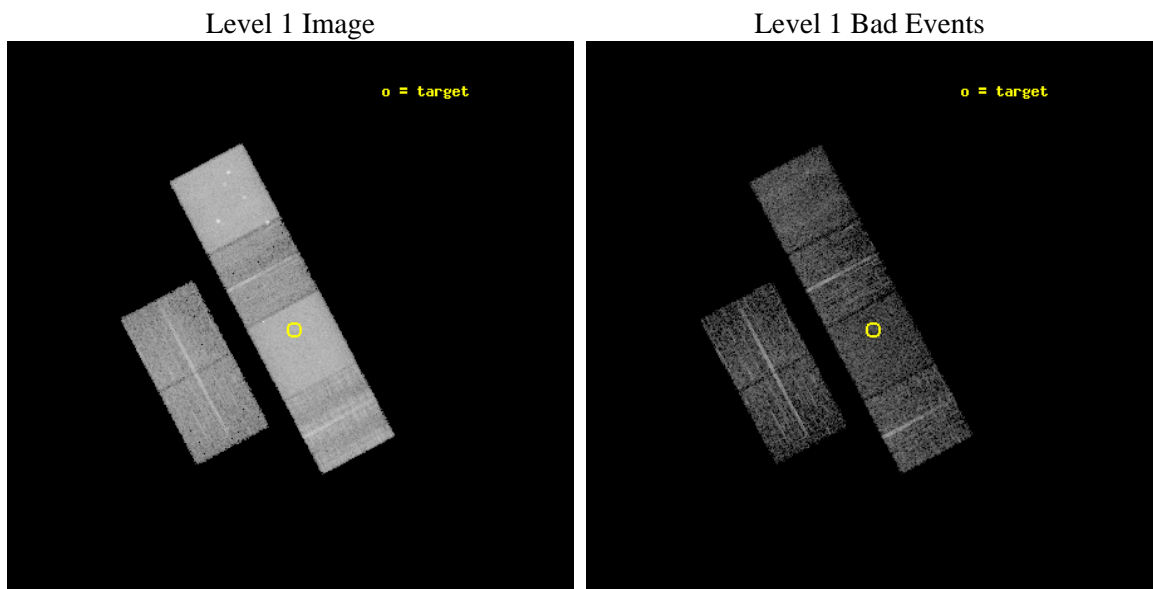
seq_num	700474	Sequence number
obs_id	3035	Observation id
title	A CHANDRA AND XMM-NEWTON STUDY OF THE MOST DISTANT QUASARS: X-RAYING THE FIRST MASSIVE BLACK HOLES	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS094108+594725	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.285	Observer's specified target RA [deg]
dec_targ	59.7905	Observer's specified target Dec [deg]
ra_nom	145.29689676865	Nominal RA [deg]
dec_nom	59.798173719584	Nominal Dec [deg]
roll_nom	62.101716348562	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4209.7798891813	Sum of GTIs [s]
livetime	4156.4731213993	Livetime [s]
ontime2	4209.8209291846	Sum of GTIs [s]
ontime3	4209.6567691863	Sum of GTIs [s]
ontime5	4209.738849178	Sum of GTIs [s]
ontime6	4209.6978091896	Sum of GTIs [s]
ontime7	4209.7798891813	Sum of GTIs [s]
ontime8	4209.615729183	Sum of GTIs [s]
l2events	220736	Number of level 2 events



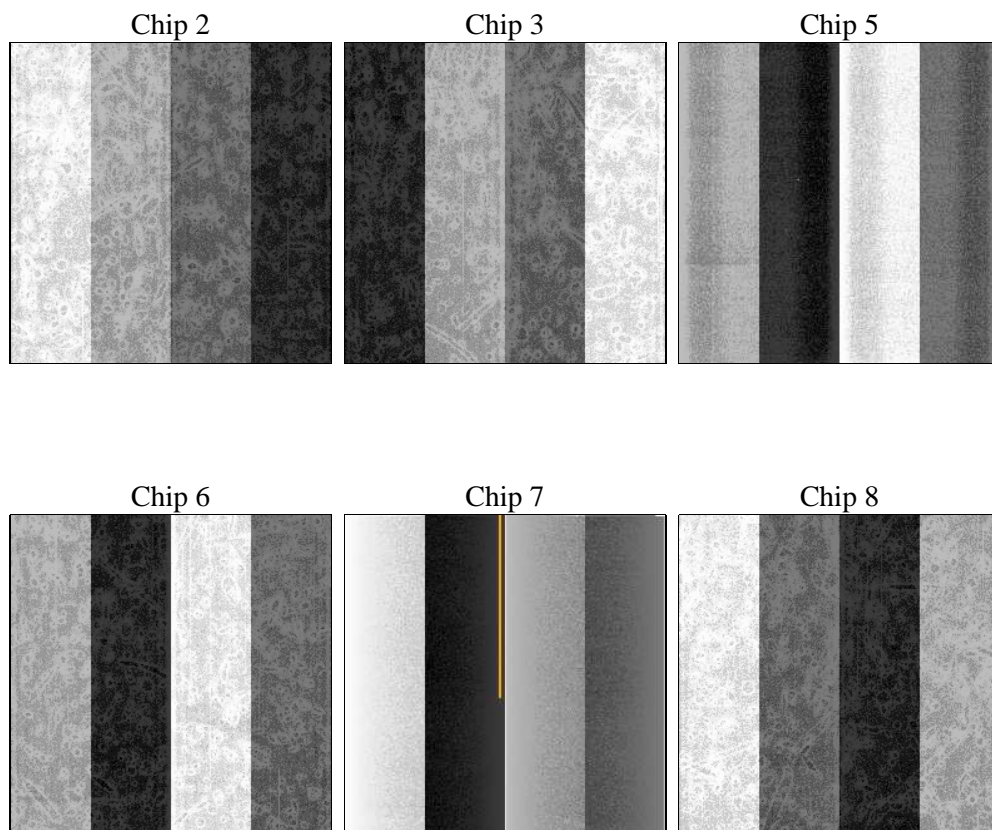
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4259.002000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4209.7798891813	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4209.8209291846	Sum of GTIs [s]
date	2012-09-26T02:14:28	Date and time of file creation	ontime3	4209.6567691863	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4209.738849178	Sum of GTIs [s]
			ontime6	4209.6978091896	Sum of GTIs [s]
			ontime7	4209.7798891813	Sum of GTIs [s]
			ontime8	4209.615729183	Sum of GTIs [s]
			l1events	411124	Number of level 1 events

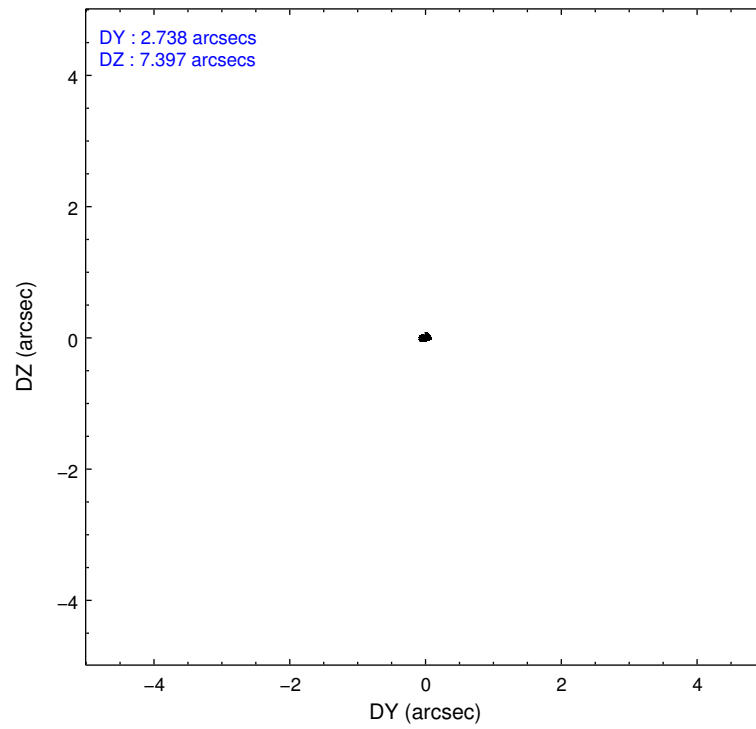
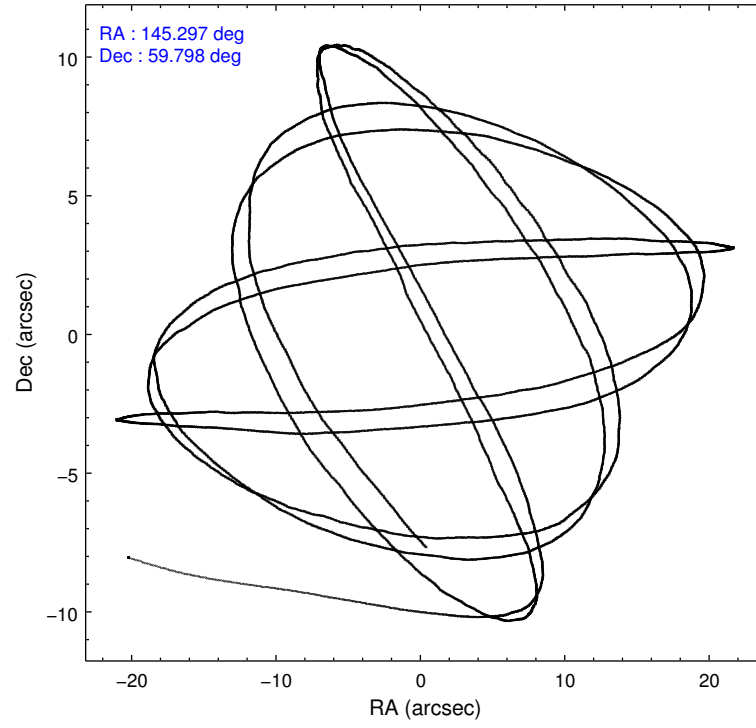
2.1.4 Events

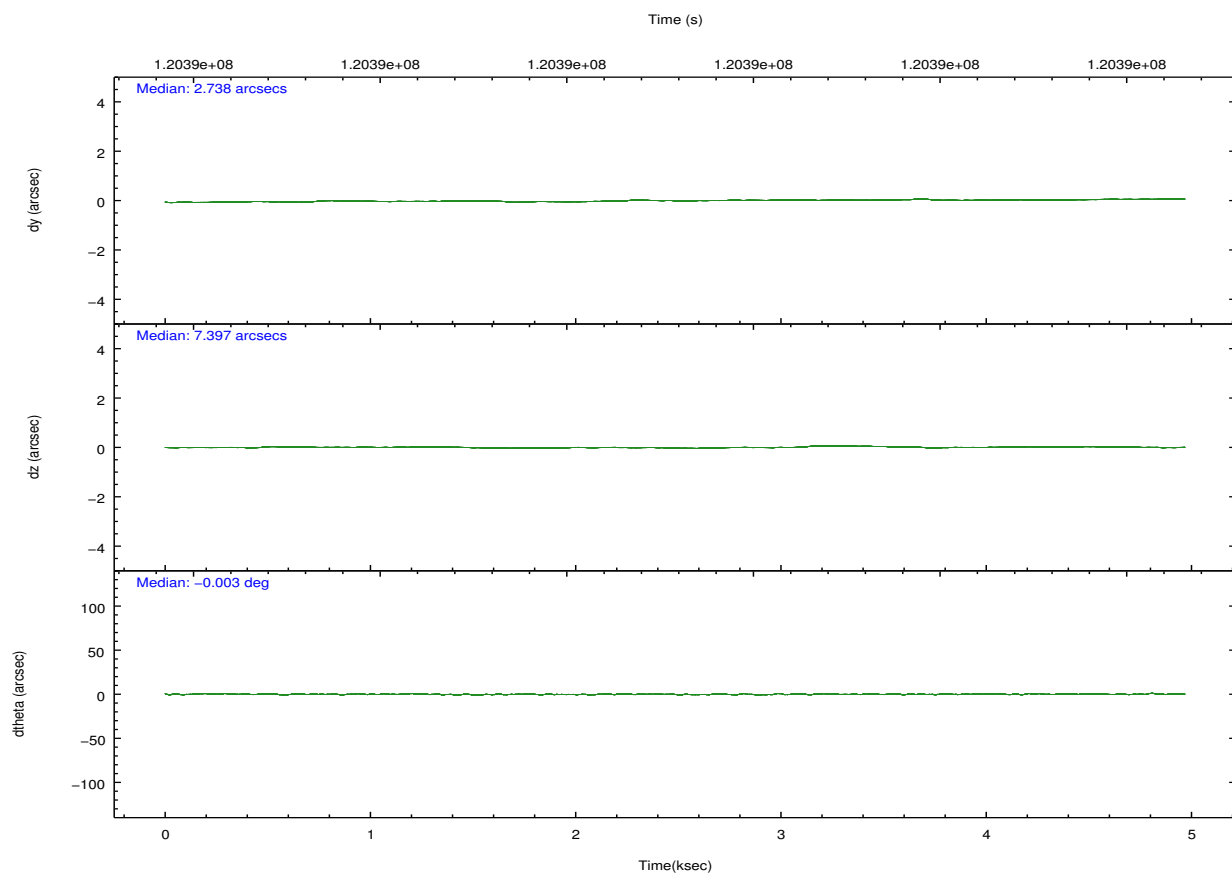
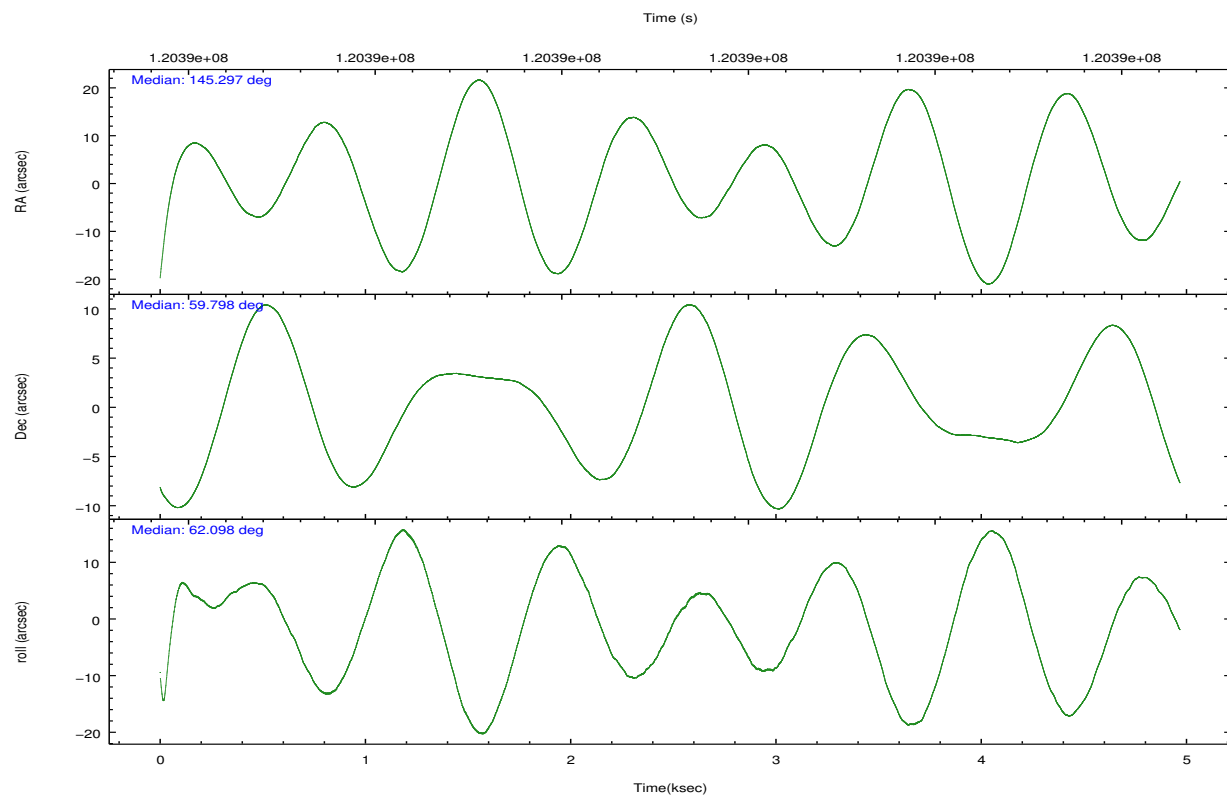
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	41368	39817	110369	45626	104111	69833	grade 0 events	7190	7208	14363	11010	9281	19757
rejected events	27810	25424	28399	26883	22198	30400		17%	18%	13%	24%	8%	28%
rejected %	67%	63%	25%	58%	21%	43%	grade 1 events	36	28	179	47	49	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	3435	4297	22783	4699	14356	6492
								8%	10%	20%	10%	13%	9%
							grade 3 events	353	421	5101	478	6448	4681
								0%	1%	4%	1%	6%	6%
							grade 4 events	530	507	5092	563	6236	4271
								1%	1%	4%	1%	5%	6%
							grade 5 events	936	1071	3967	1230	3729	1514
								2%	2%	3%	2%	3%	2%
							grade 6 events	2050	1968	34693	2007	45633	4275
								4%	4%	31%	4%	43%	6%
							grade 7 events	26838	24317	24191	25592	18379	28741
								64%	61%	21%	56%	17%	41%

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	145.299549	145.2968967686544	Subarray requested	NONE	NONE
[deg] Pointing Dec	59.770921	59.79817371958447	Alternating exposures requested	N	N
[deg] Pointing Roll	61.942913	62.10171634856196	[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)	120386805.184000	120385584.95321			
Observation start date	2001-10-25T08:45:41	2001-10-25T08:26:24			
[s] Observation end time (MET)	120391064.184000	120391378.76594			
Observation end date	2001-10-25T09:56:40	2001-10-25T10:02:58			
Read mode	TIMED	TIMED			

2.3 Aspect



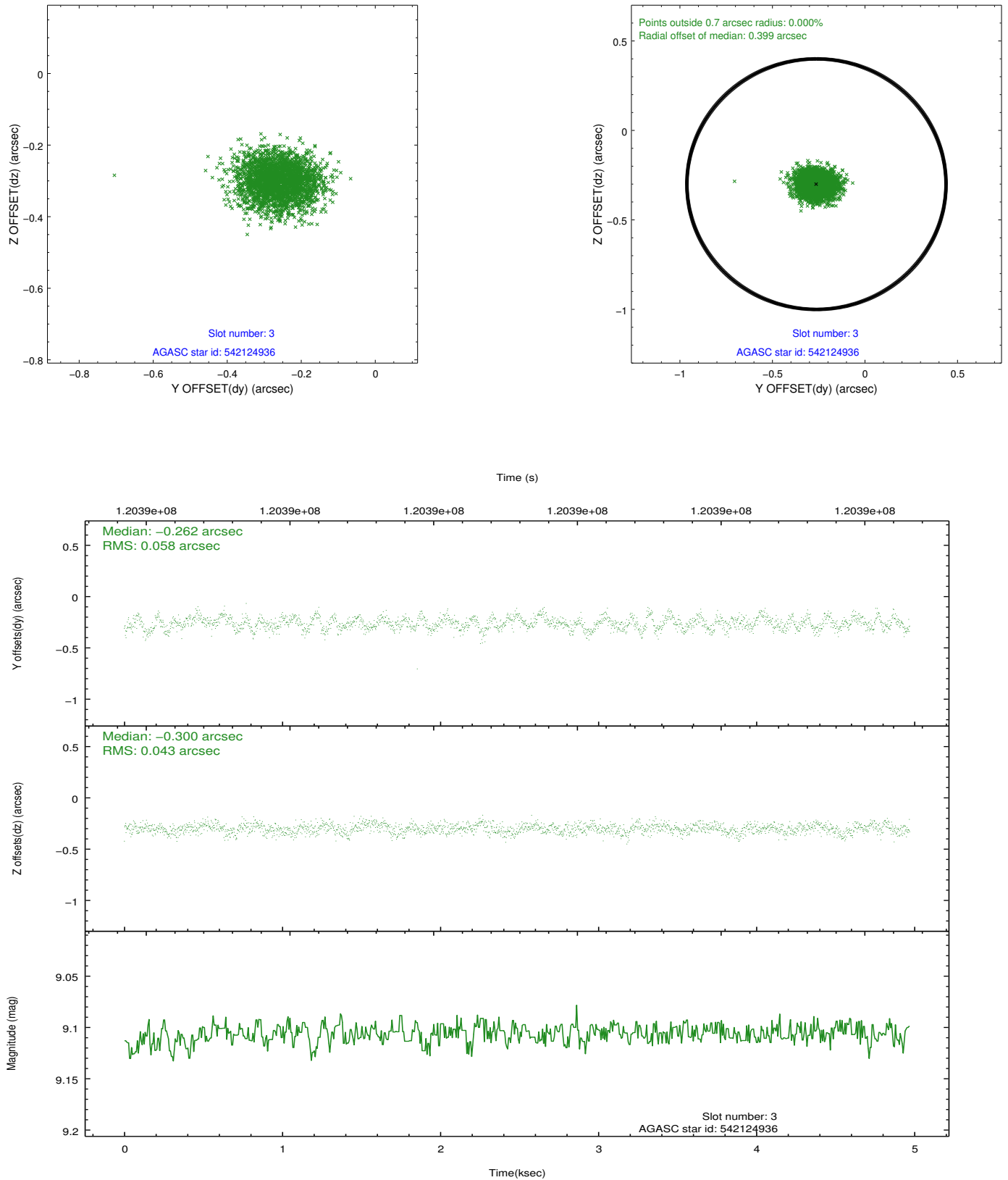


Slot Statistics

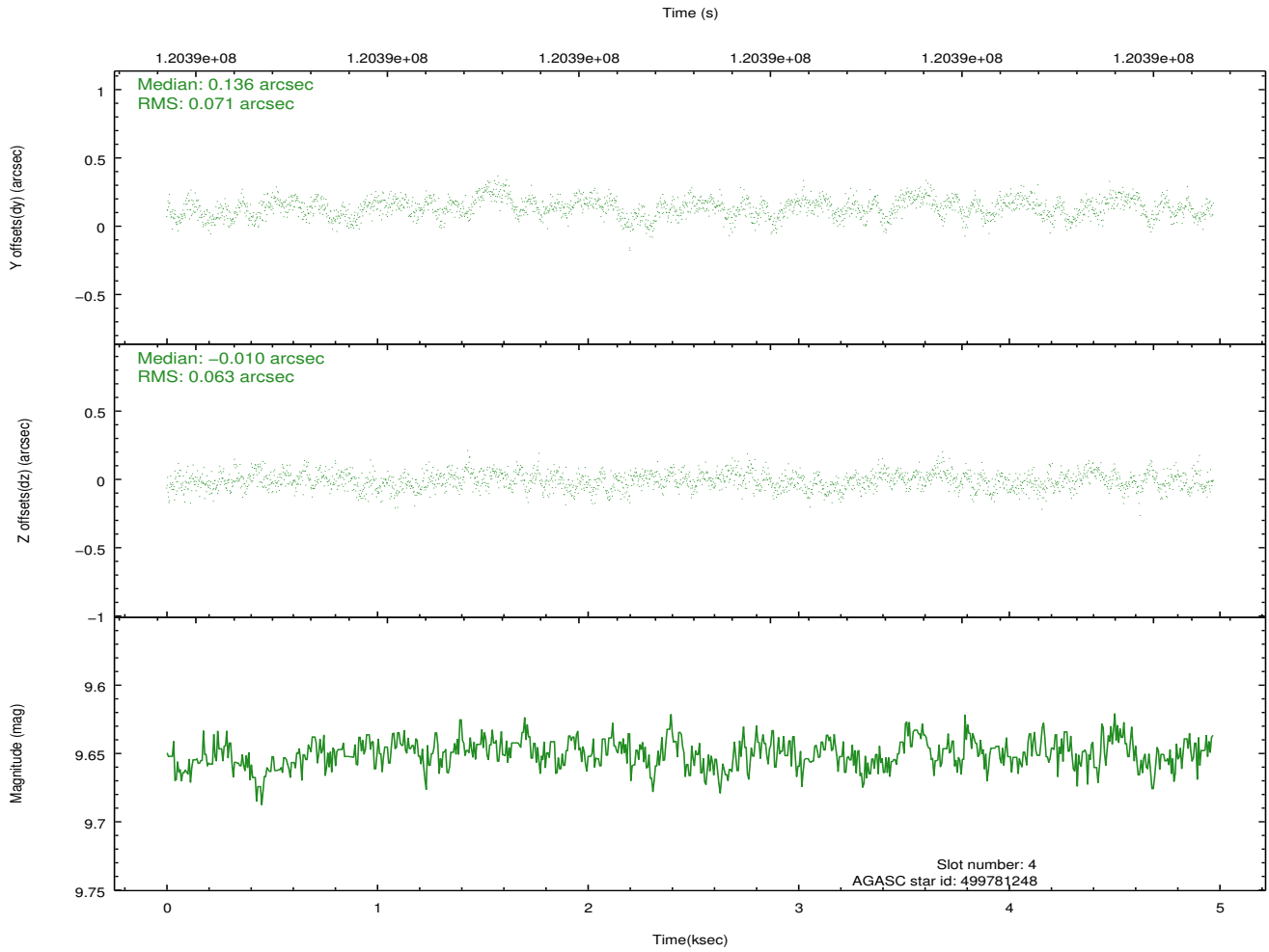
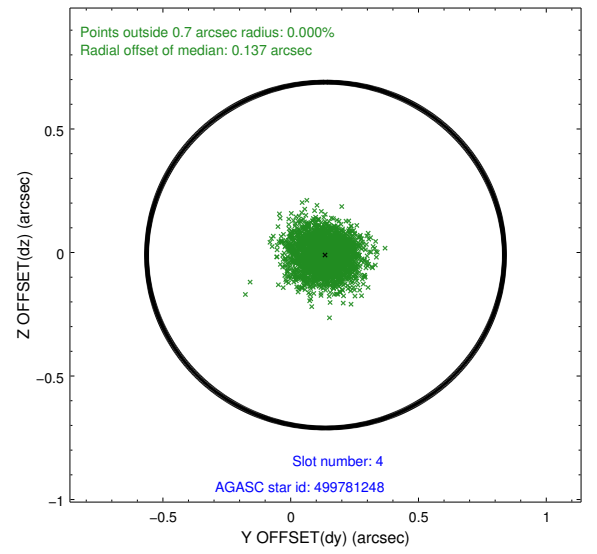
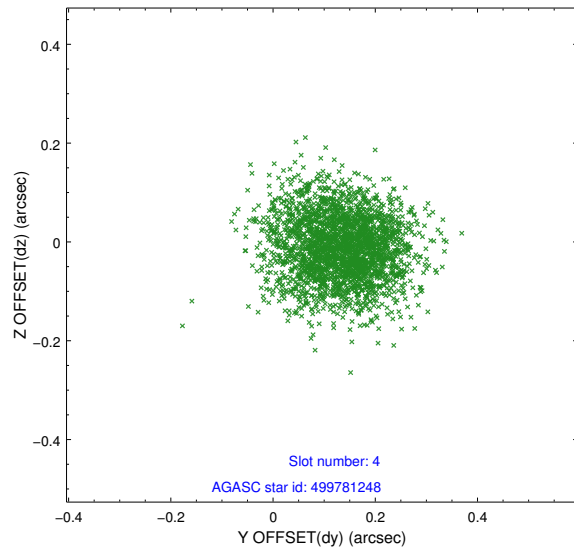
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	1212	-0.073	-0.075	0.007	0.012	0.000000	0.000000	57.72	-1857.71
1	FID	ACIS-S-4	7.20	1212	-0.021	0.074	0.006	0.009	0.000000	0.000000	2158.01	178.56
2	FID	ACIS-S-5	7.24	1212	0.066	0.011	0.007	0.012	0.000000	0.000000	-1806.56	173.76
3	GUIDE	542124936	9.11	2425	-0.262	-0.300	0.078	0.124	145.086813	60.487942	2099.62	1547.71
4	GUIDE	499781248	9.65	2421	0.136	-0.010	0.101	0.163	145.514551	59.205054	-1610.78	-1306.52
5	GUIDE	499782840	9.65	2423	0.059	0.164	0.116	0.182	145.997342	59.141313	-1389.81	-2199.97
6	GUIDE	499787488	9.64	2425	0.164	0.008	0.088	0.141	145.523125	59.100357	-1936.73	-1500.43
7	GUIDE	499780376	9.64	2422	-0.096	0.139	0.091	0.152	146.420418	59.670441	652.50	-1960.10

2.4 Star Slots

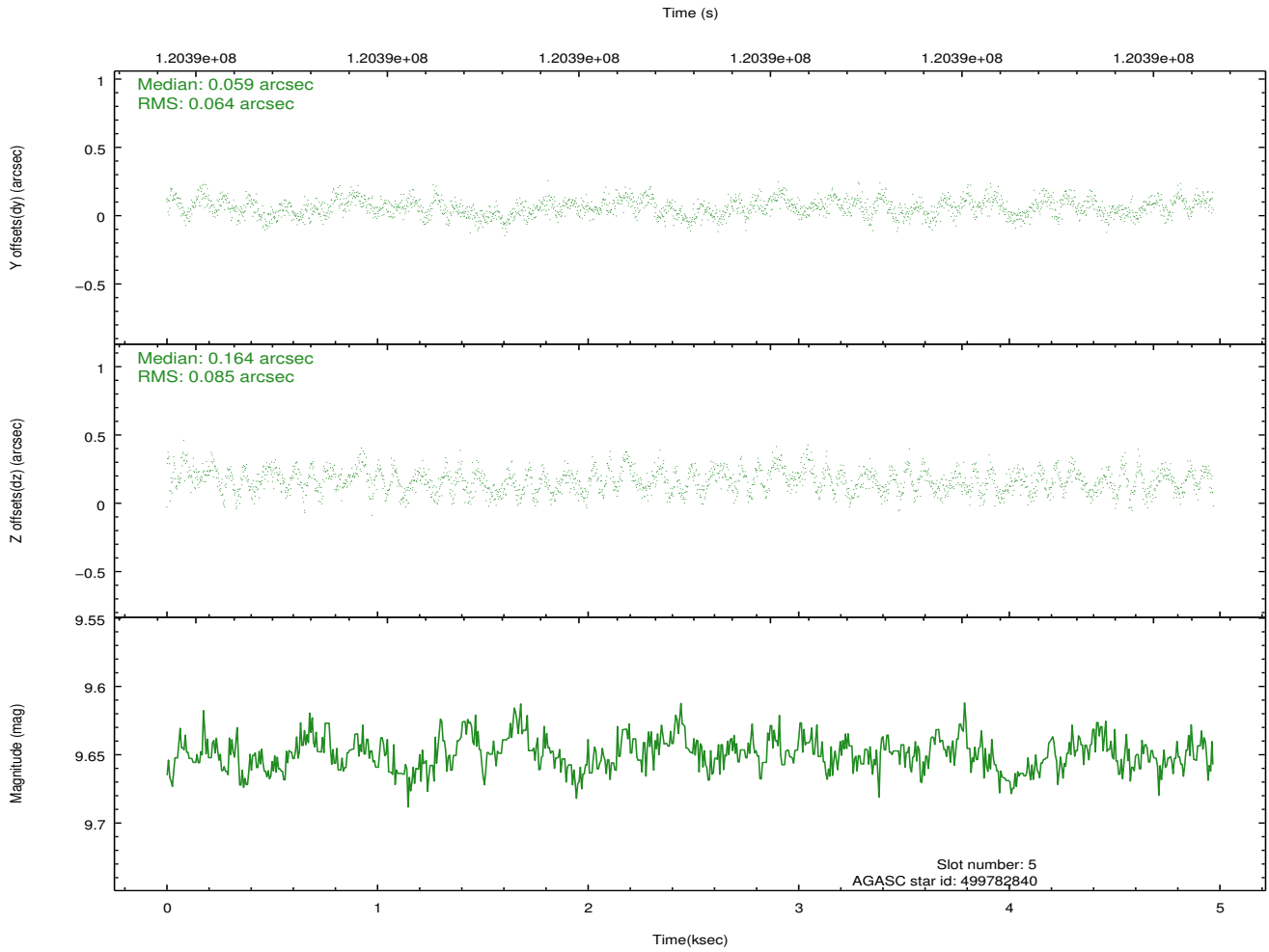
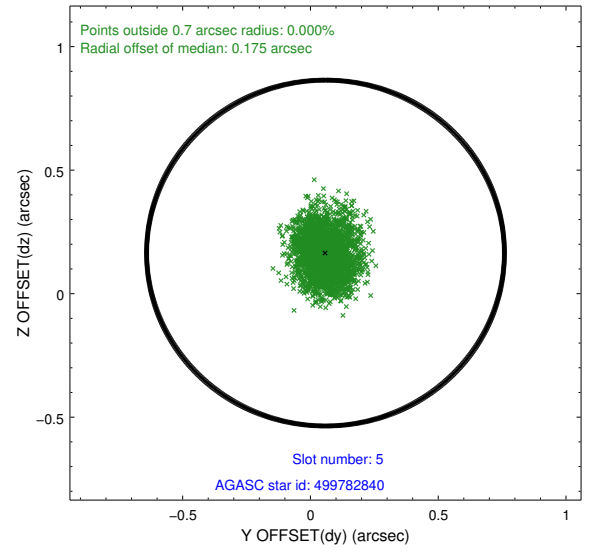
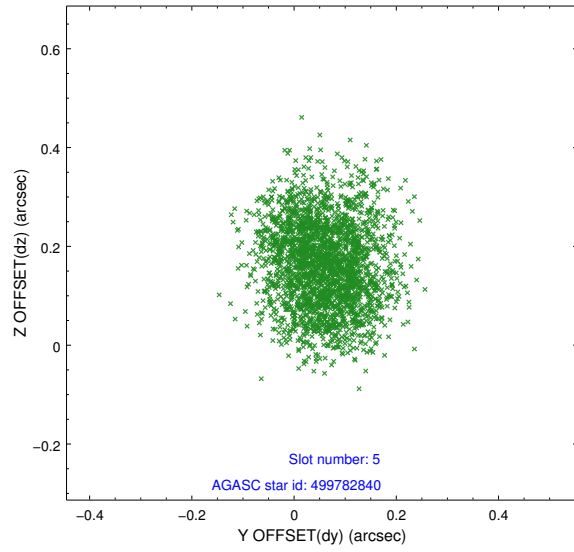
2.4.1 Slot 3



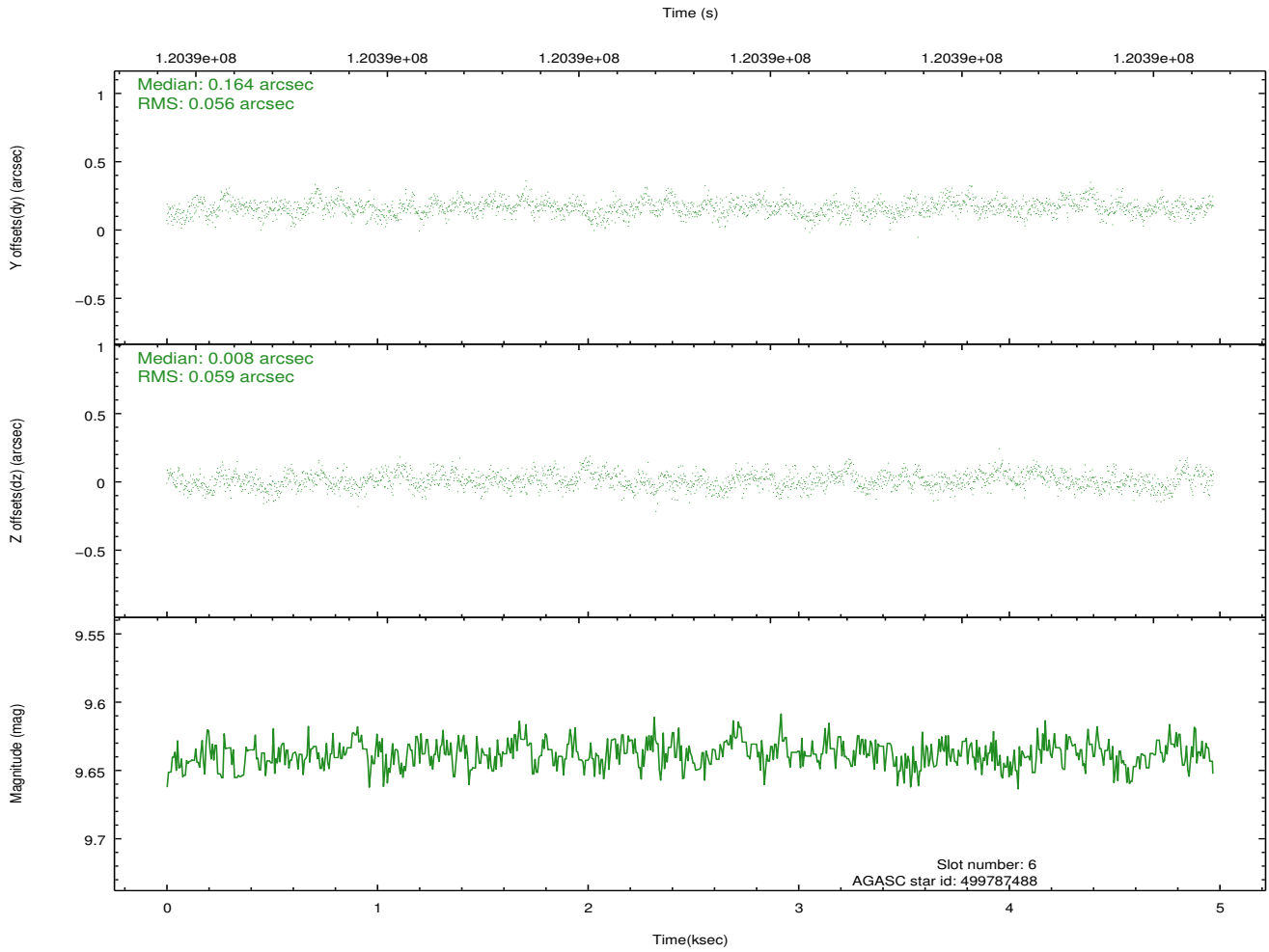
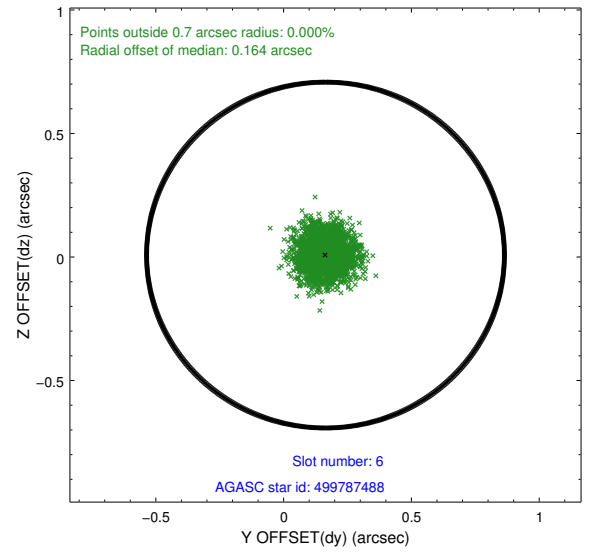
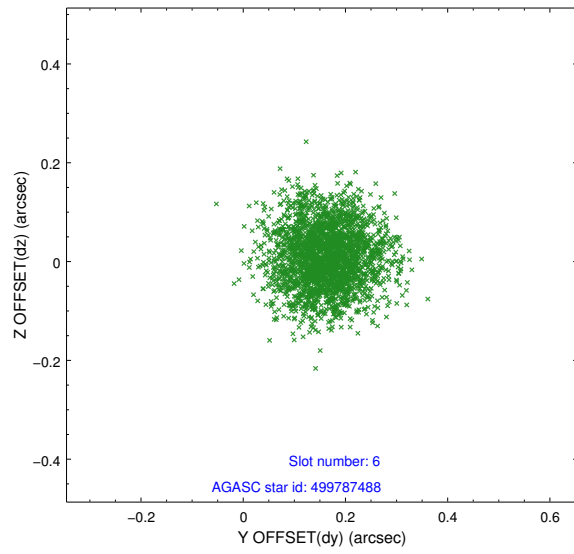
2.4.2 Slot 4



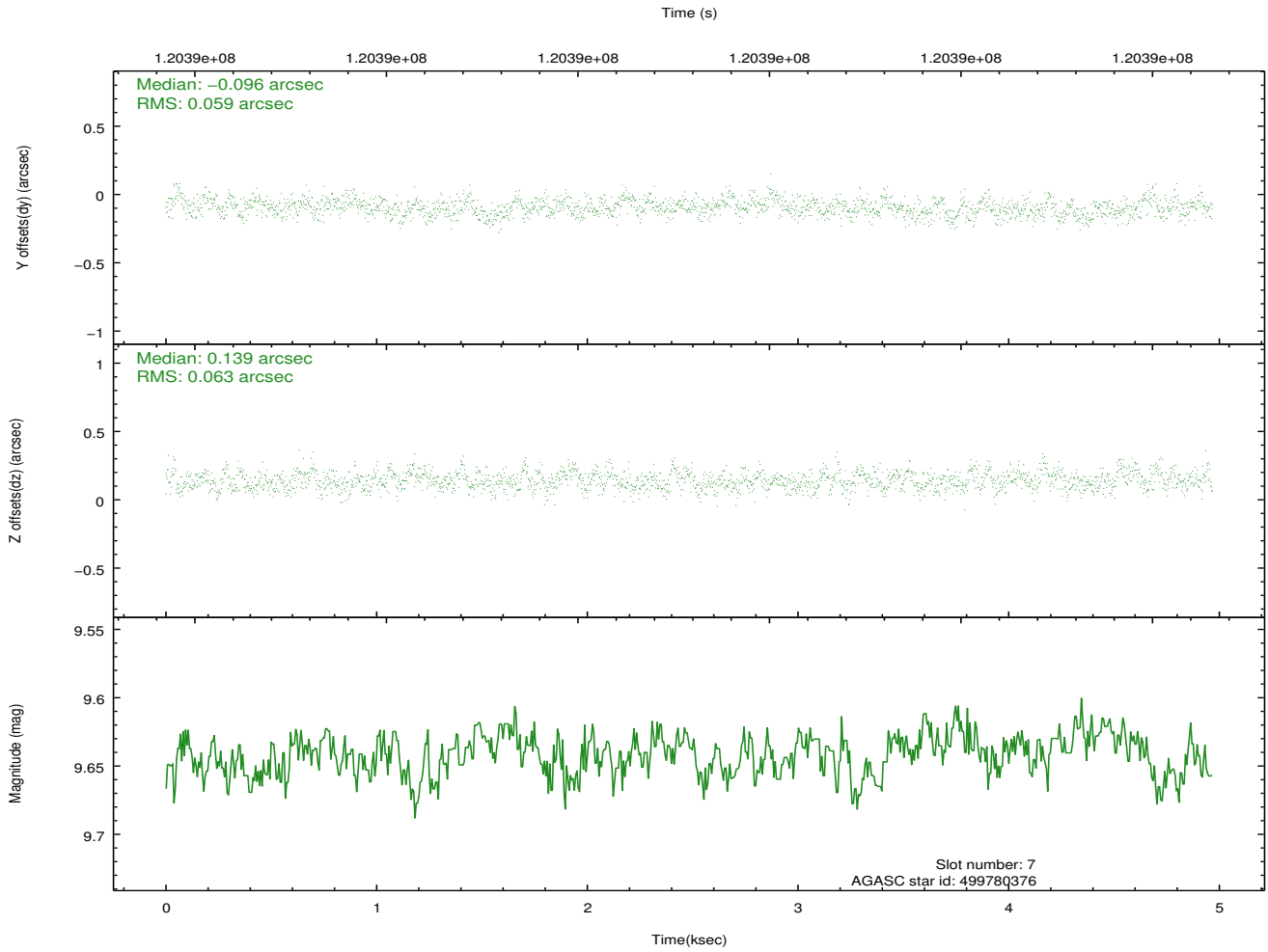
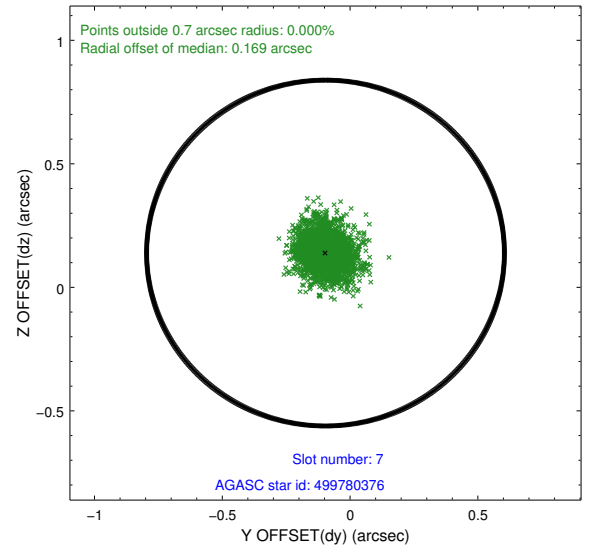
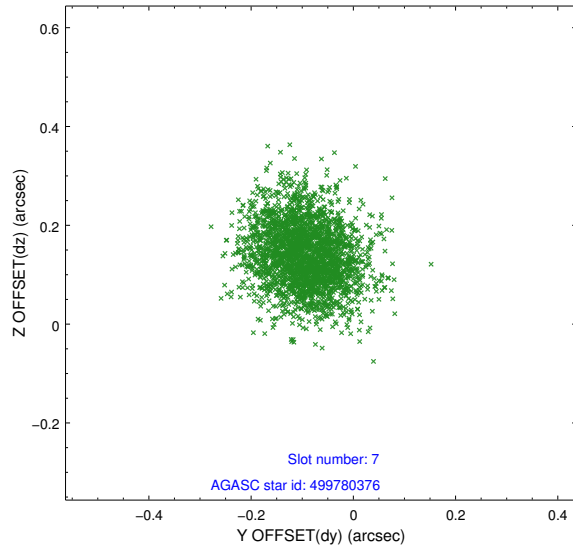
2.4.3 Slot 5



2.4.4 Slot 6

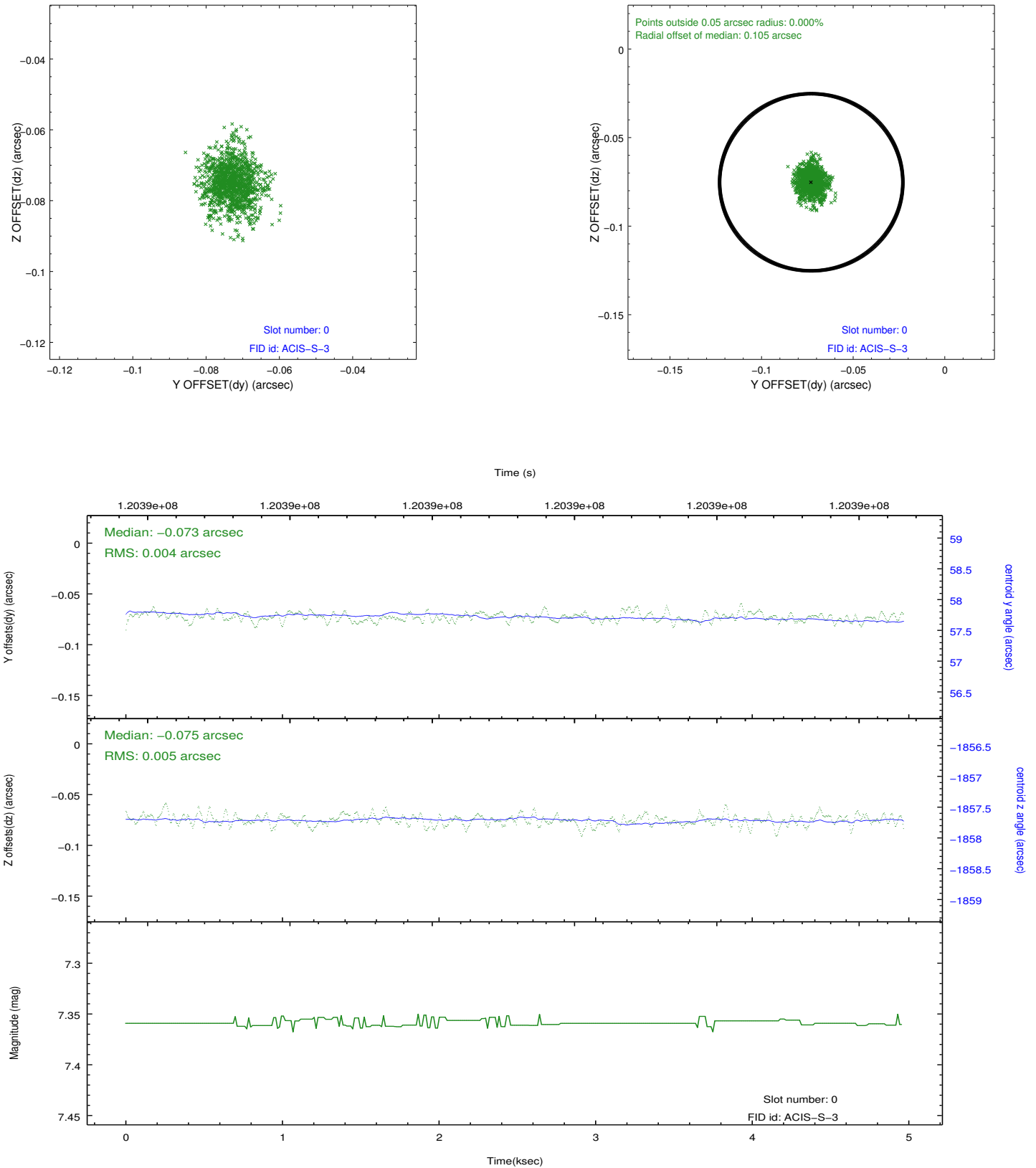


2.4.5 Slot 7

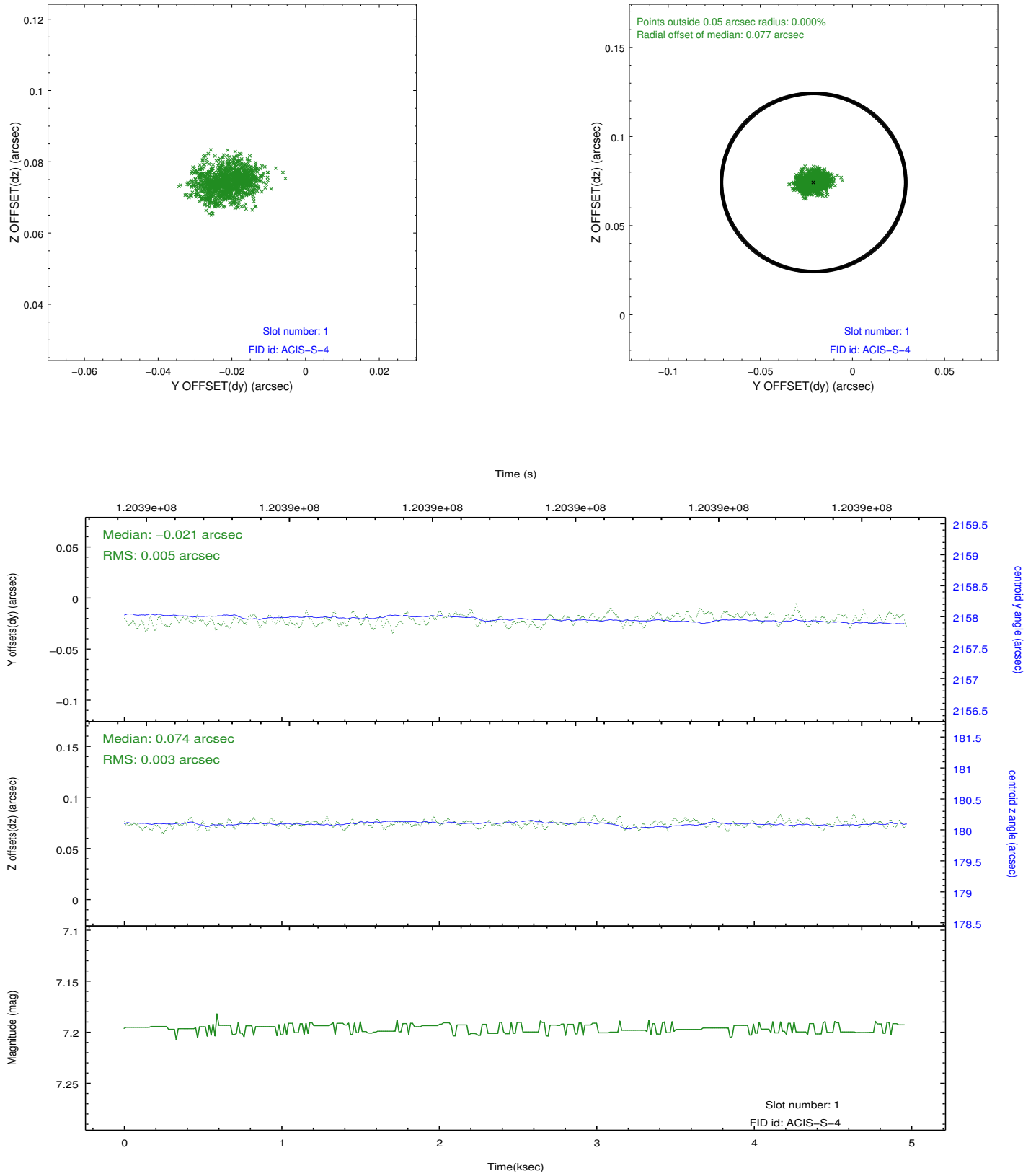


2.5 FID Slots

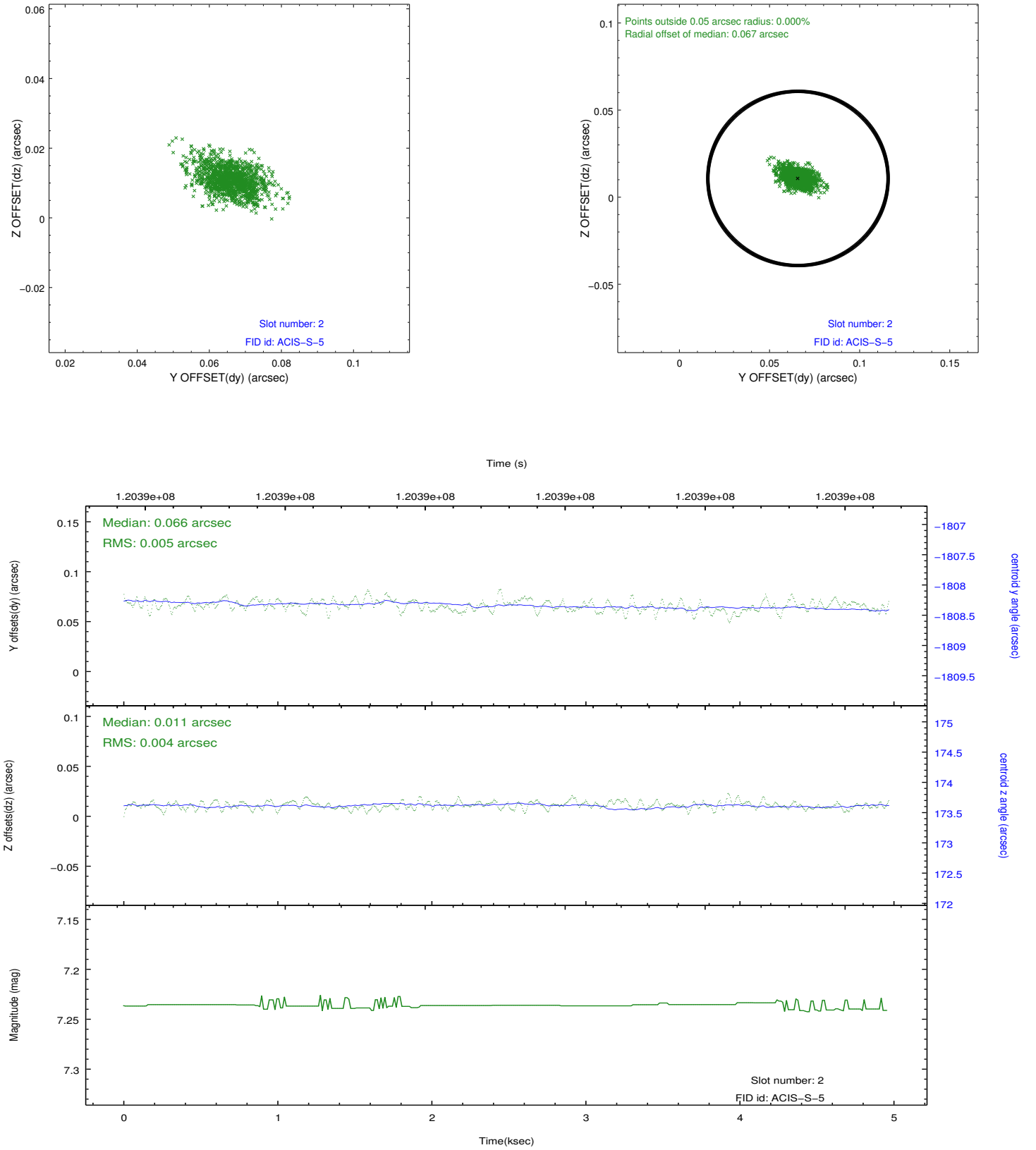
2.5.1 Slot 0



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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.211

A.2 Comments