

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10921 - L2 Version 2
Chandra X-Ray Center

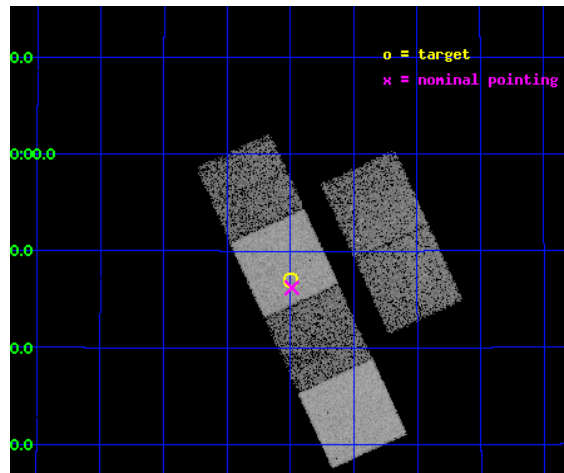
L2 Processing Date : Jun 9 2012

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1 Front

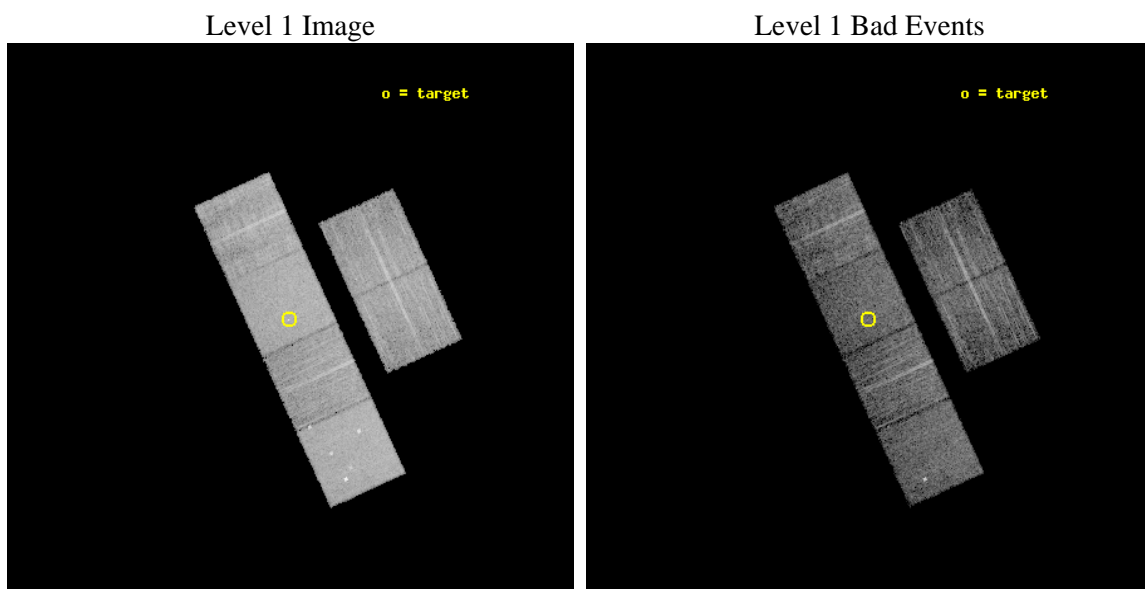
seq_num	701973	Sequence number
obs_id	10921	Observation id
title	The nature of the highly-variable X-ray galaxy KUG 1259+280	Propos
observer	Dr. Michael Watson	Principal investigator
object	2XMM J130200.1+274657	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.5004	Observer's specified target RA [deg]
dec_targ	27.7825	Observer's specified target Dec [deg]
ra_nom	195.49713619693	Nominal RA [deg]
dec_nom	27.77000397798	Nominal Dec [deg]
roll_nom	245.24412423473	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5046.3999812603	Sum of GTIs [s]
livetime	4982.4994261203	Livetime [s]
ontime2	5046.3999812603	Sum of GTIs [s]
ontime3	5046.3999812603	Sum of GTIs [s]
ontime5	5046.3999812603	Sum of GTIs [s]
ontime6	5046.3999812603	Sum of GTIs [s]
ontime7	5046.3999812603	Sum of GTIs [s]
ontime8	5046.3999812603	Sum of GTIs [s]
l2events	96676	Number of level 2 events



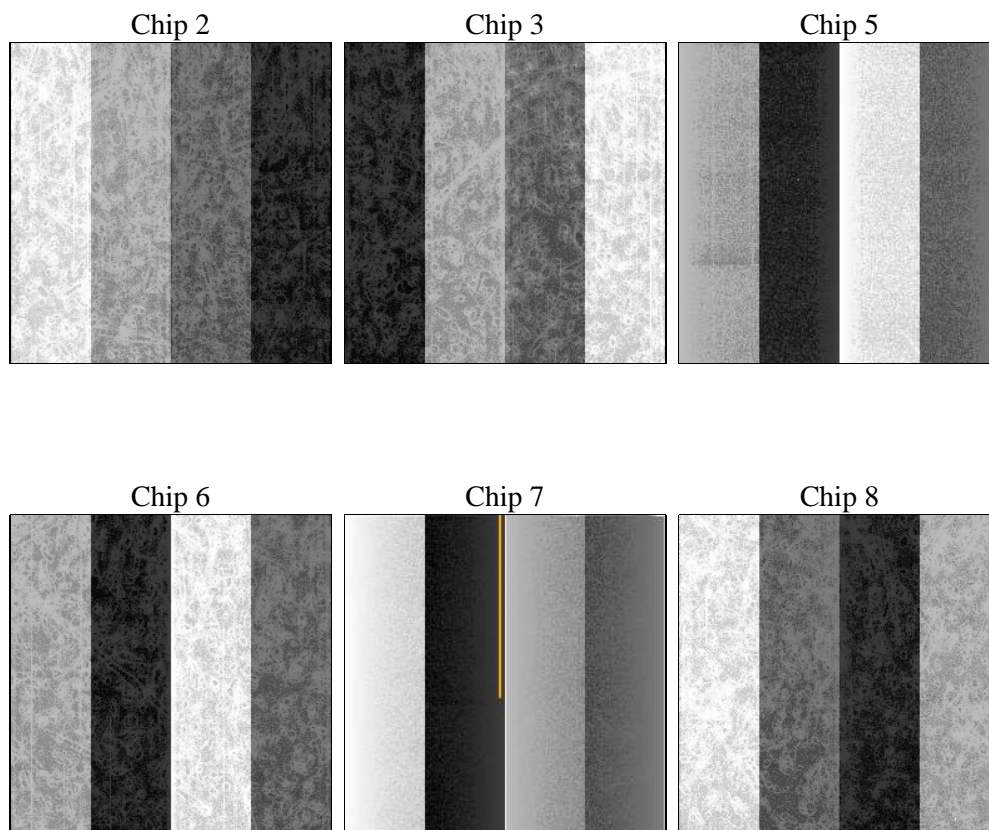
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5046.3999812603	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	5046.3999812603	Sum of GTIs [s]
date	2012-06-09T08:56:44	Date and time of file creation	ontime3	5046.3999812603	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5046.3999812603	Sum of GTIs [s]
			ontime6	5046.3999812603	Sum of GTIs [s]
			ontime7	5046.3999812603	Sum of GTIs [s]
			ontime8	5046.3999812603	Sum of GTIs [s]
			l1events	392056	Number of level 1 events

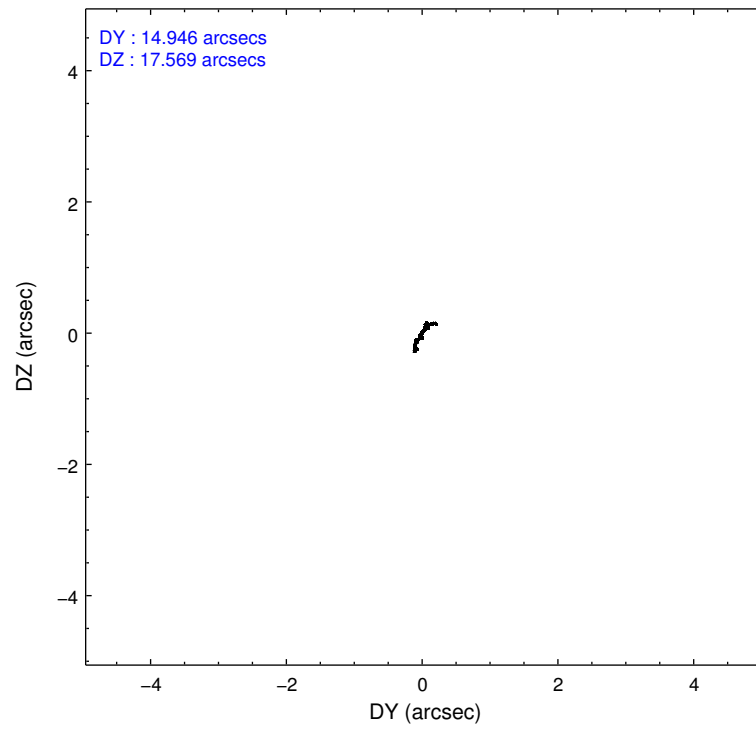
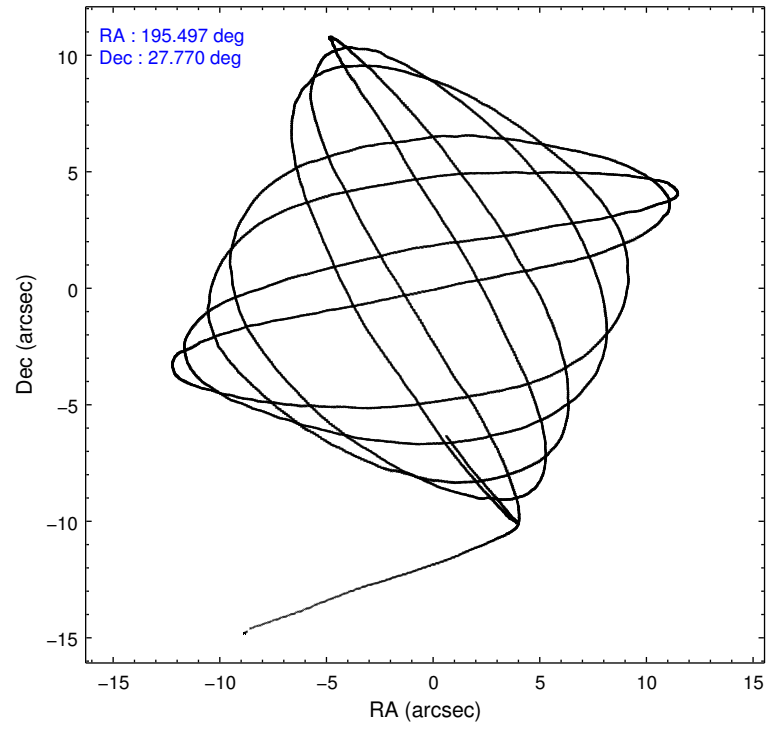
2.1.4 Events

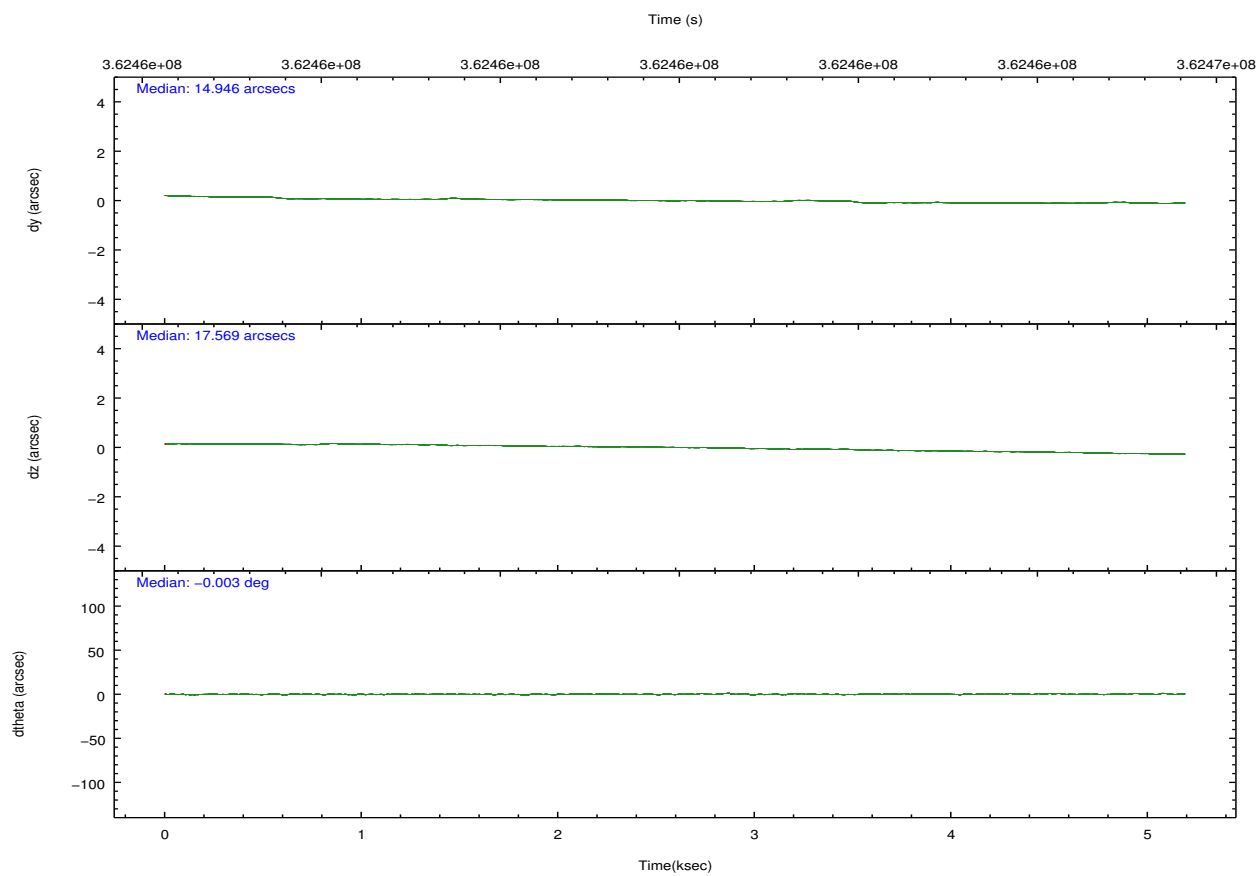
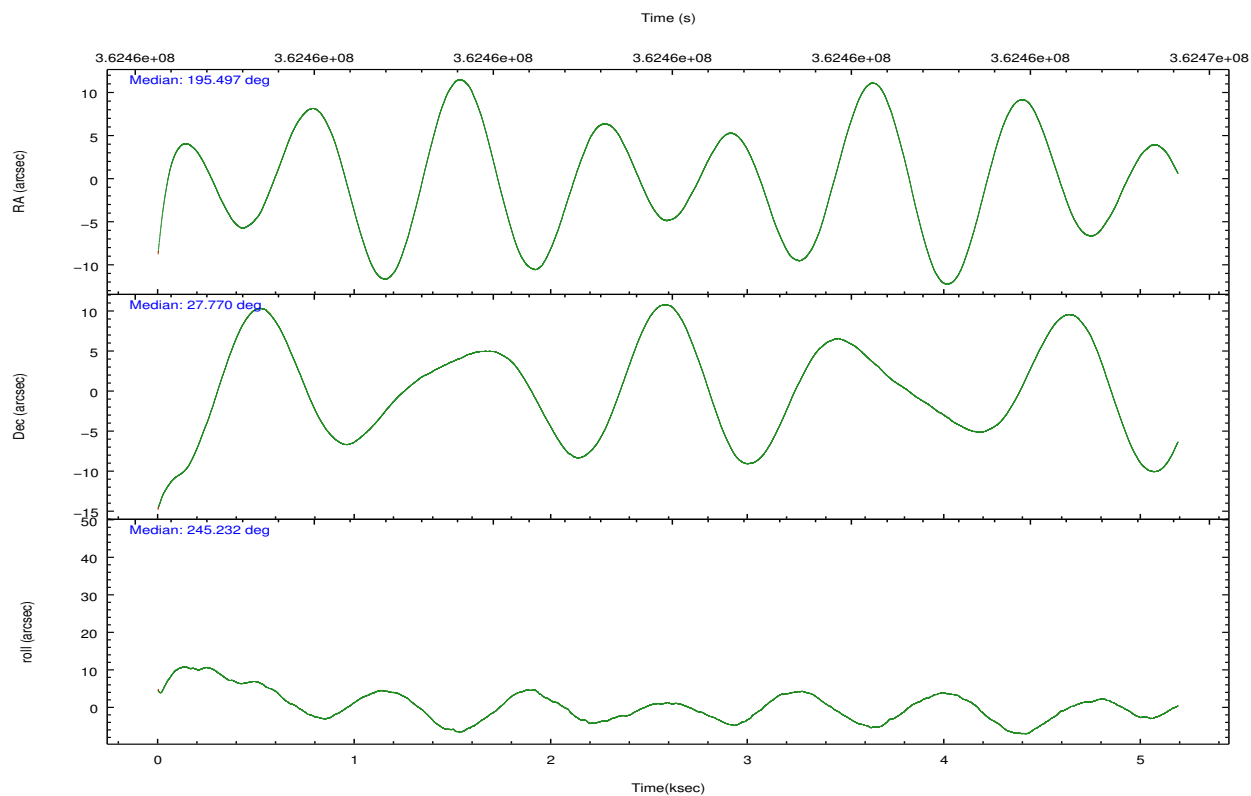
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	56774	52764	84754	54855	74927	67982	grade 0 events	5728	4777	3874	2971	2965	5165
rejected events	46822	44007	45540	47773	43501	51951		10%	9%	4%	5%	3%	7%
rejected %	82%	83%	53%	87%	58%	76%	grade 1 events	51	56	166	27	61	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	1723	1528	12275	1540	6492	3617
								3%	2%	14%	2%	8%	5%
							grade 3 events	630	619	1396	611	2556	1633
								1%	1%	1%	1%	3%	2%
							grade 4 events	699	685	1355	624	2546	1500
								1%	1%	1%	1%	3%	2%
							grade 5 events	2158	2464	5932	2558	6905	3418
								3%	4%	6%	4%	9%	5%
							grade 6 events	1181	1159	20376	1347	16904	4132
								2%	2%	24%	2%	22%	6%
							grade 7 events	44604	41476	39380	45177	36498	48472
								78%	78%	46%	82%	48%	71%

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	195.493843	195.4971361969265	Subarray requested	NONE	NONE
[deg] Pointing Dec	27.797319	27.77000397797968	Alternating exposures requested	N	N
[deg] Pointing Roll	245.089064	245.2441242347288	[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	-189.632523	-189.6397173048614			
[mm] SIM translation stage offset	-0.5	-0.4928052781463634			
[s] Observation start time (MET)	362460575.184000	362459565.90847			
Observation start date	2009-06-27T03:28:29	2009-06-27T03:12:45			
[s] Observation end time (MET)	362465575.184000	362466419.57131			
Observation end date	2009-06-27T04:51:49	2009-06-27T05:06:59			
Read mode	TIMED	TIMED			

2.3 Aspect



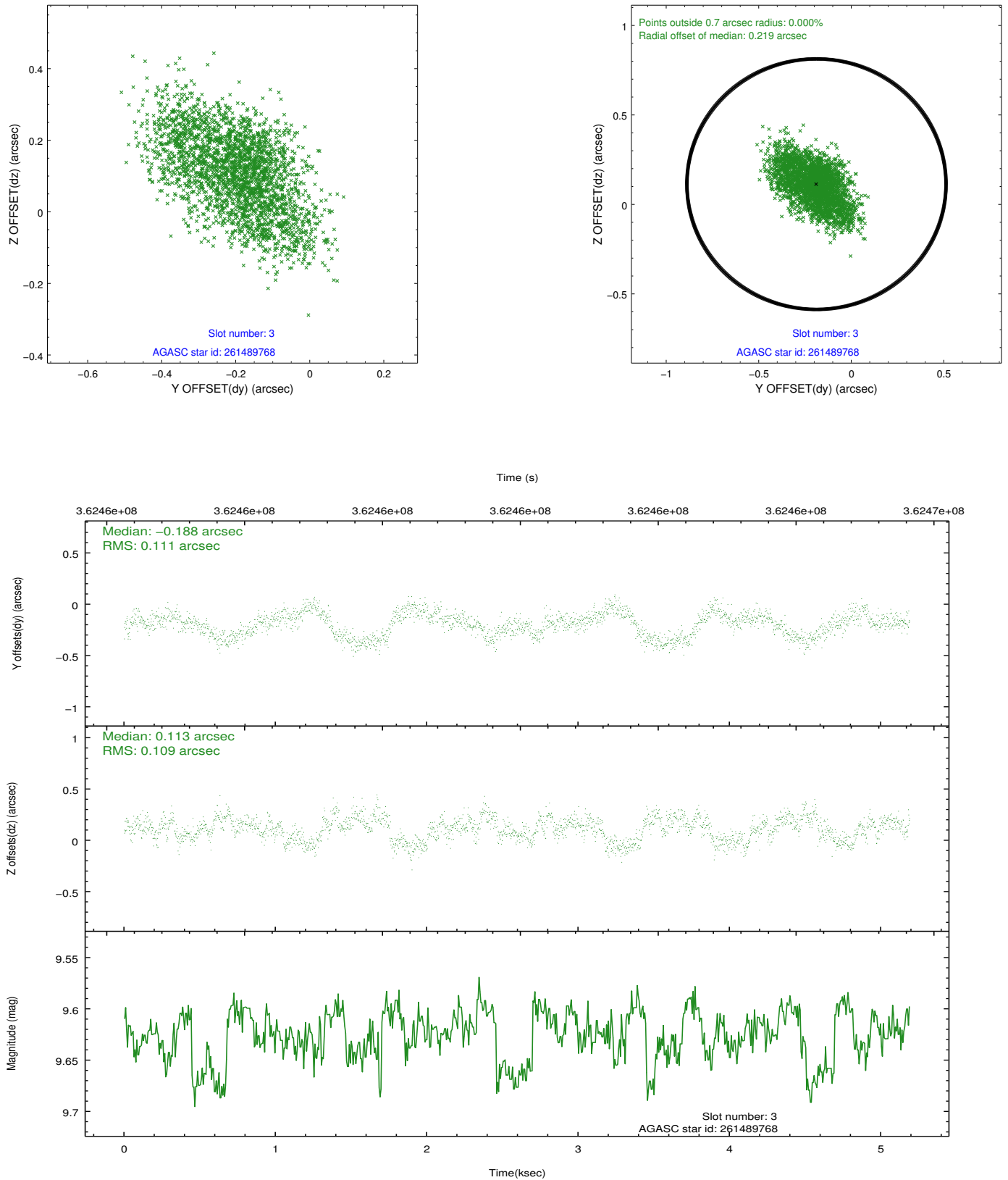


Slot Statistics

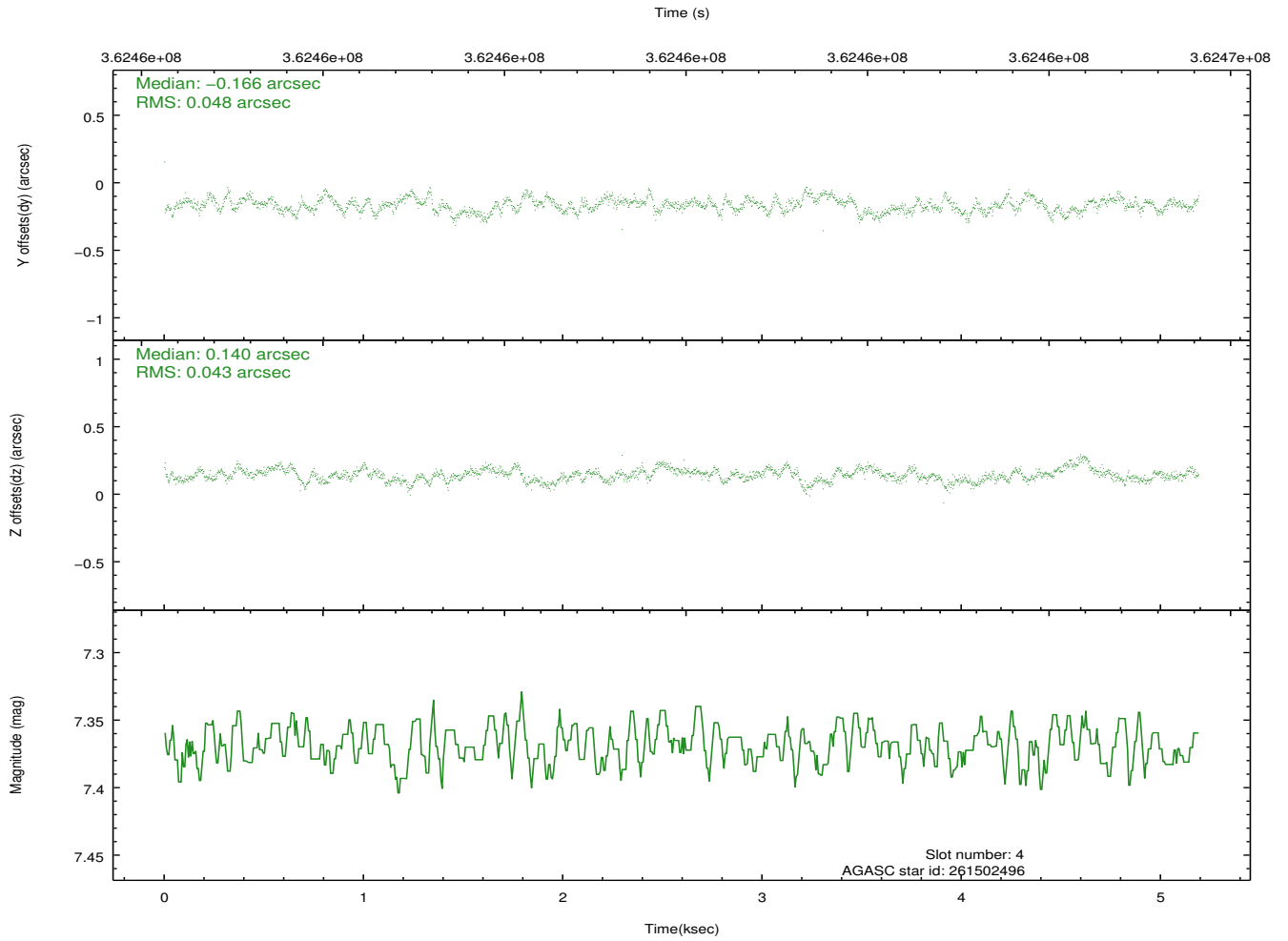
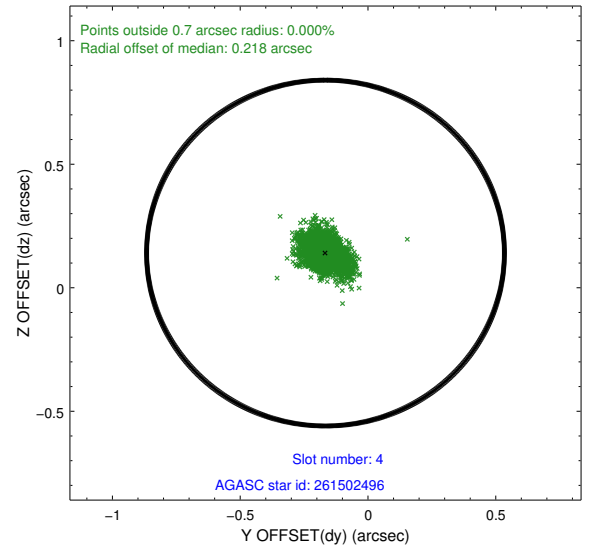
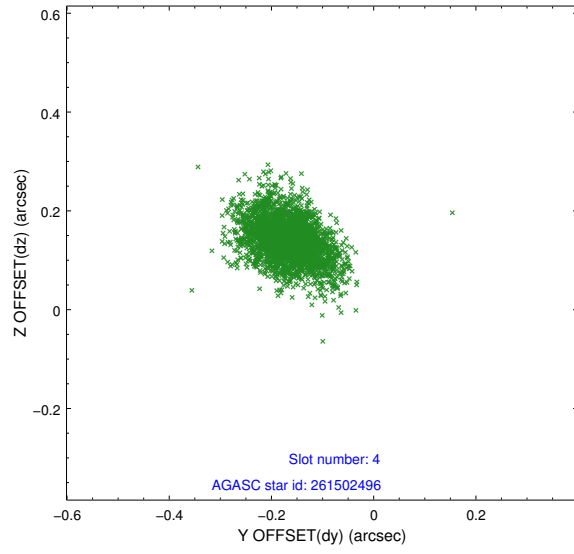
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1266	-0.065	-0.047	0.007	0.012	0.000000	0.000000	-767.99	-1749.33
1	FID	ACIS-S-4	6.96	1266	0.140	0.044	0.006	0.011	0.000000	0.000000	2145.00	157.95
2	FID	ACIS-S-5	7.00	1266	-0.106	0.012	0.007	0.012	0.000000	0.000000	-1819.33	153.02
3	GUIDE	261489768	9.62	2526	-0.188	0.113	0.169	0.268	195.906248	27.591842	114.11	1503.89
4	GUIDE	261502496	7.37	2531	-0.166	0.140	0.067	0.115	194.887297	28.065668	-68.58	-2155.88
5	GUIDE	261502680	9.47	2529	0.093	0.383	0.116	0.204	196.075313	28.107011	-1793.10	1202.21
6	GUIDE	261506176	10.49	2530	0.054	0.273	0.272	0.569	196.044383	27.725269	-508.21	1699.49
7	GUIDE	261498392	8.31	2530	0.209	-0.944	0.086	0.148	194.888587	28.238913	-637.09	-2413.19

2.4 Star Slots

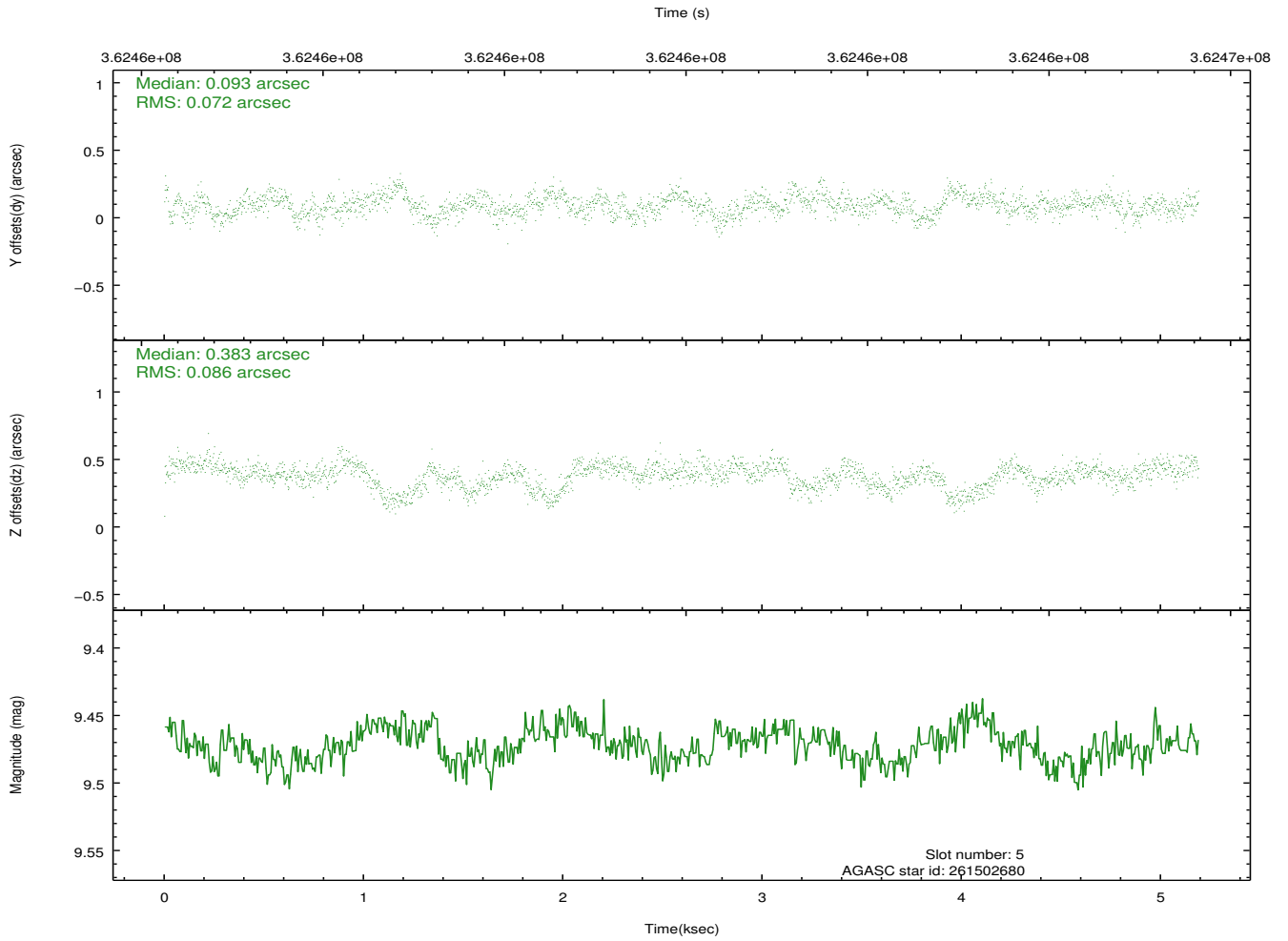
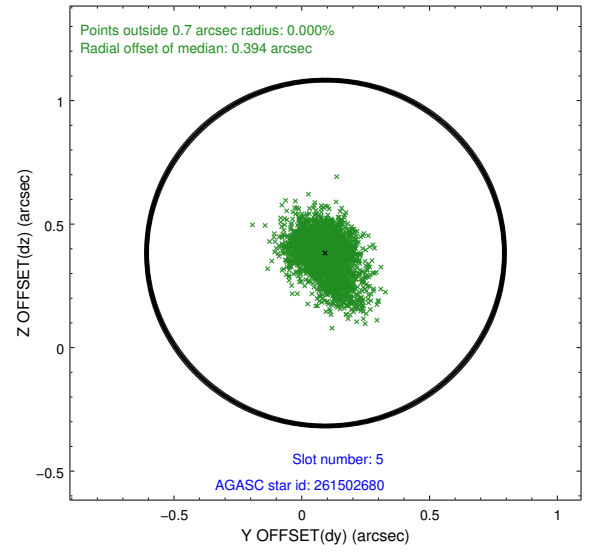
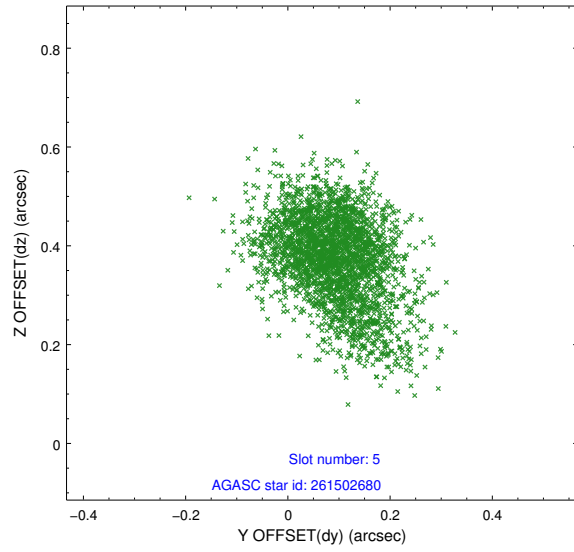
2.4.1 Slot 3



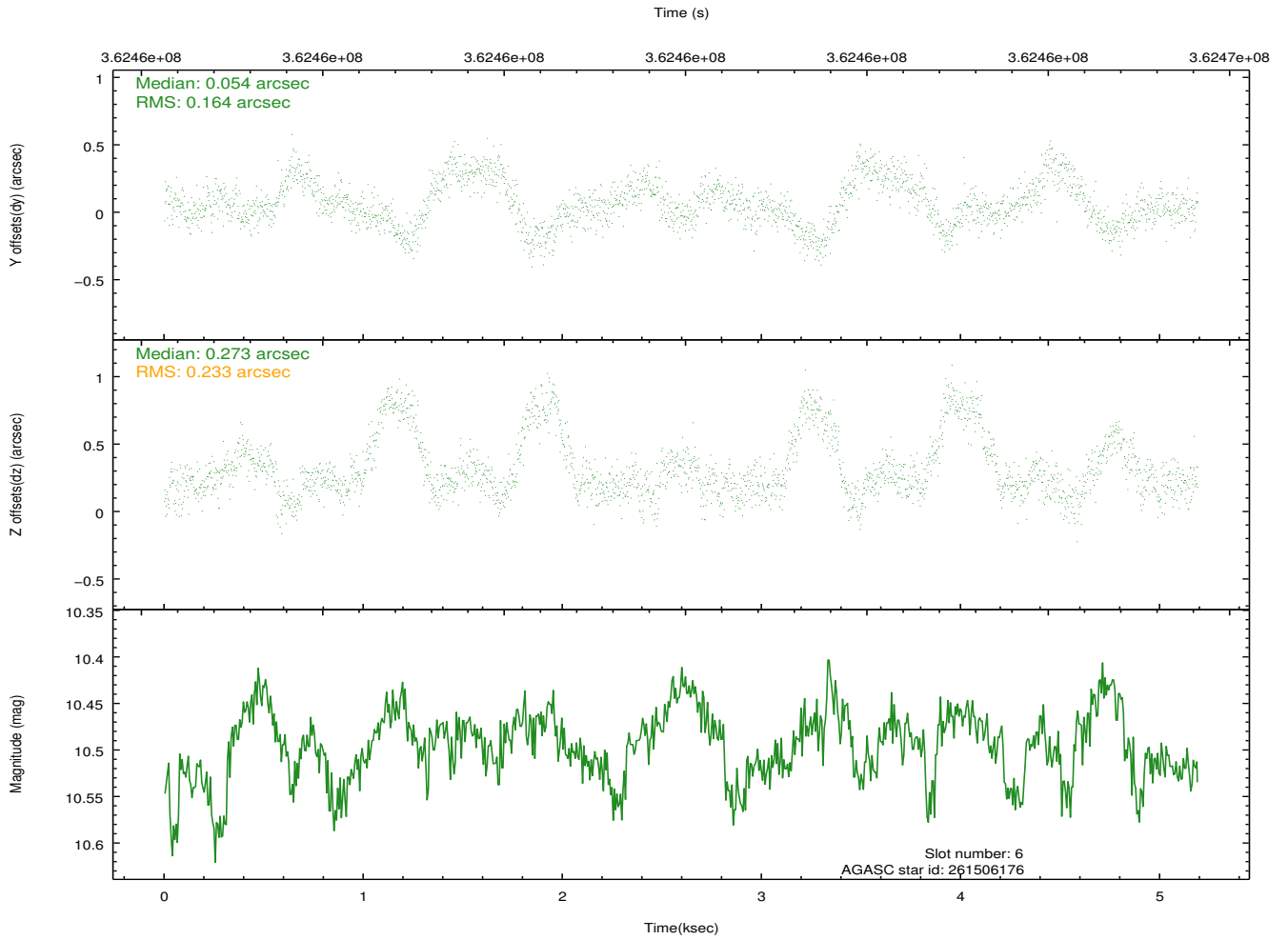
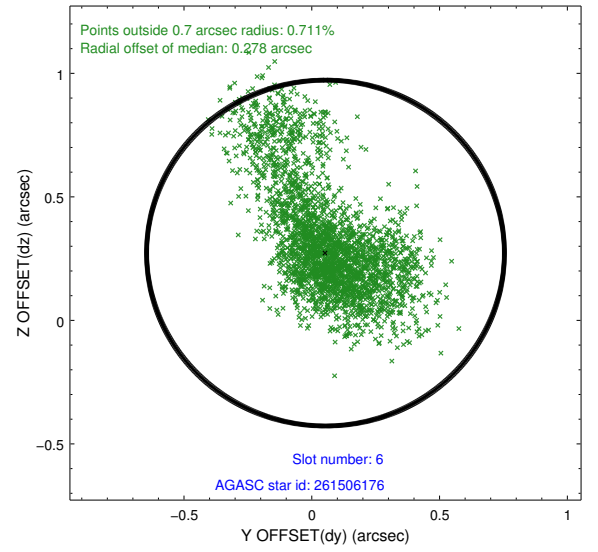
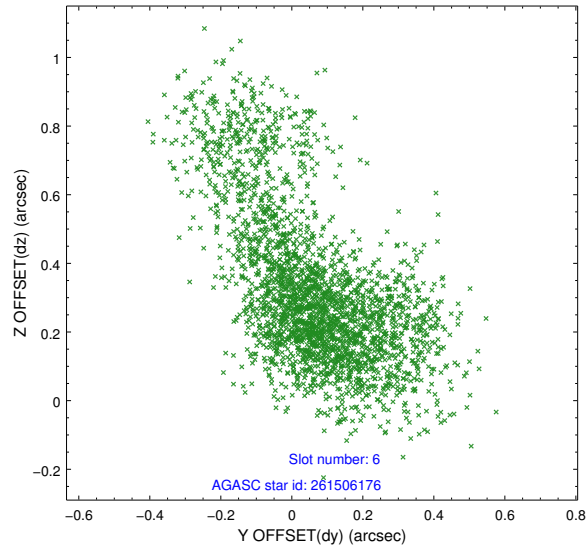
2.4.2 Slot 4



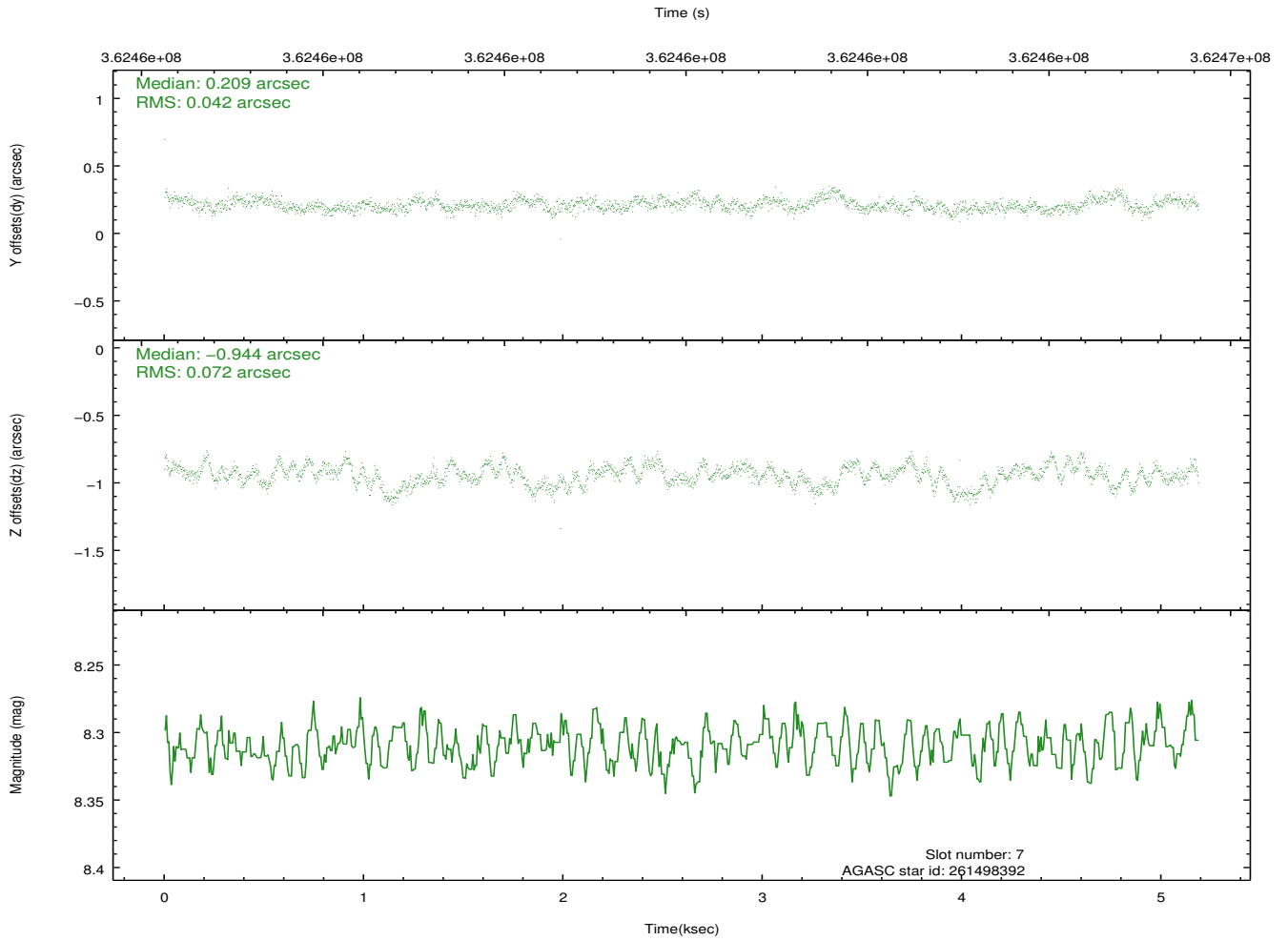
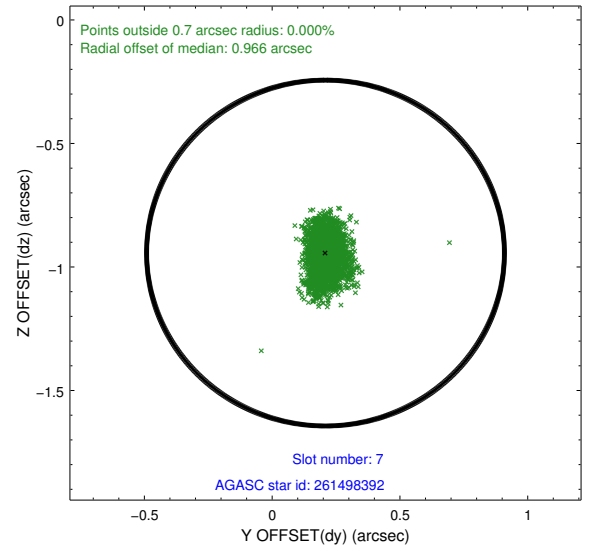
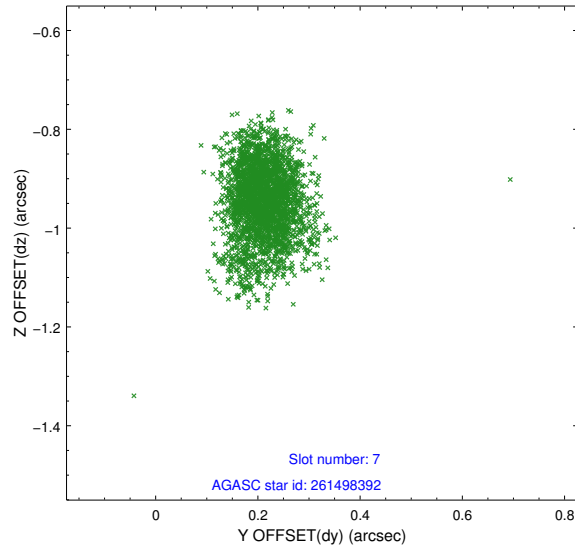
2.4.3 Slot 5



2.4.4 Slot 6

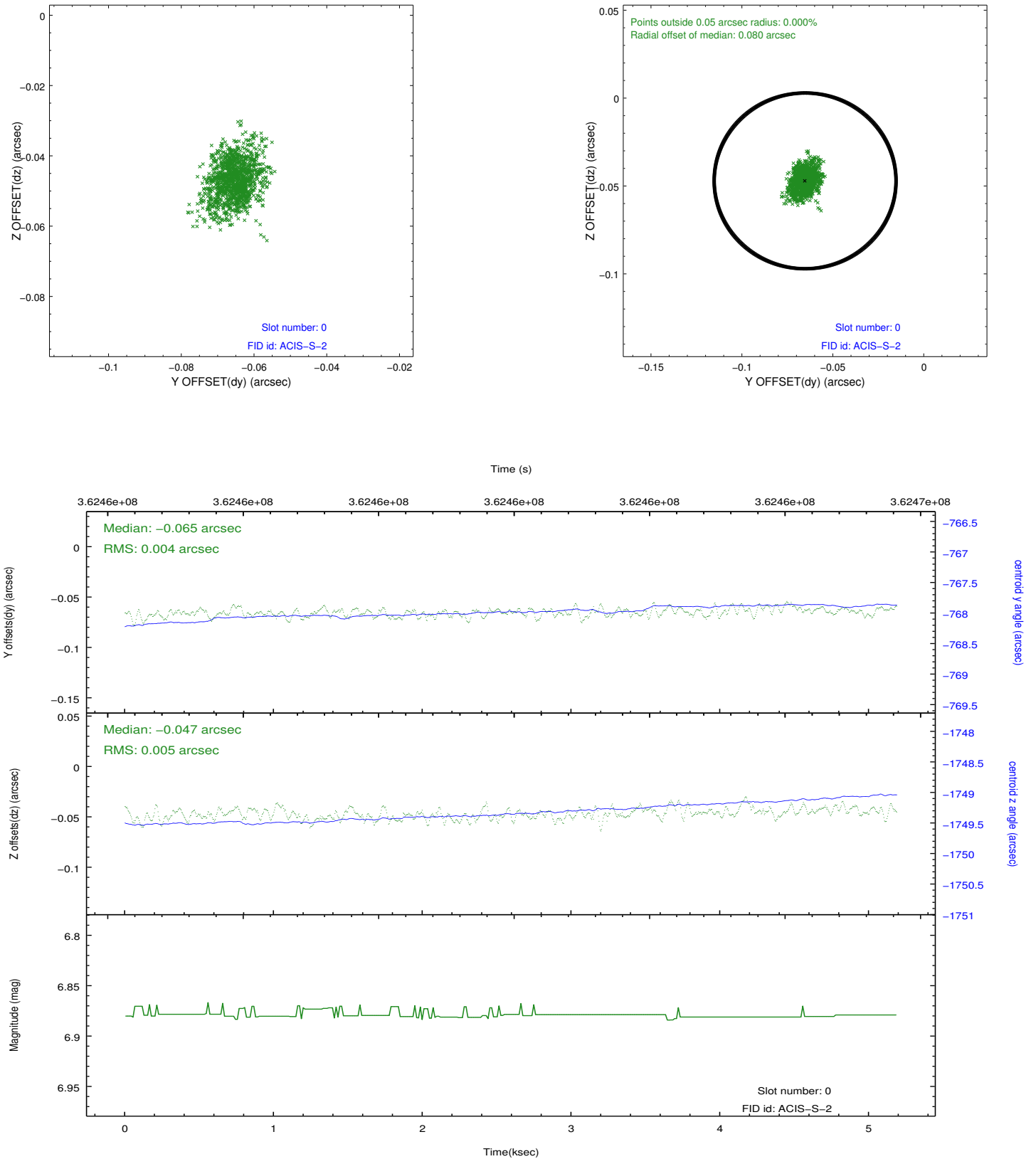


2.4.5 Slot 7

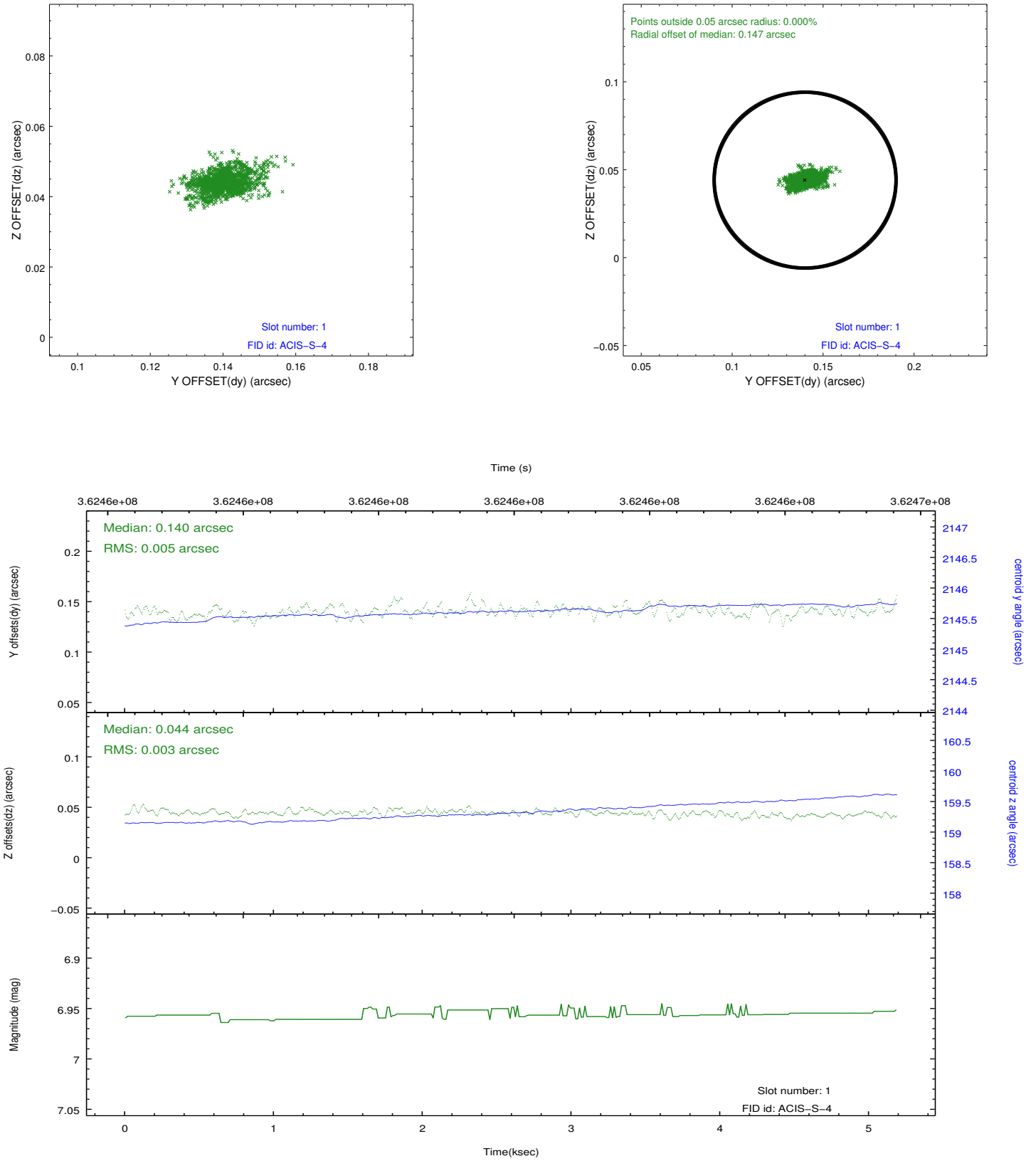


2.5 FID Slots

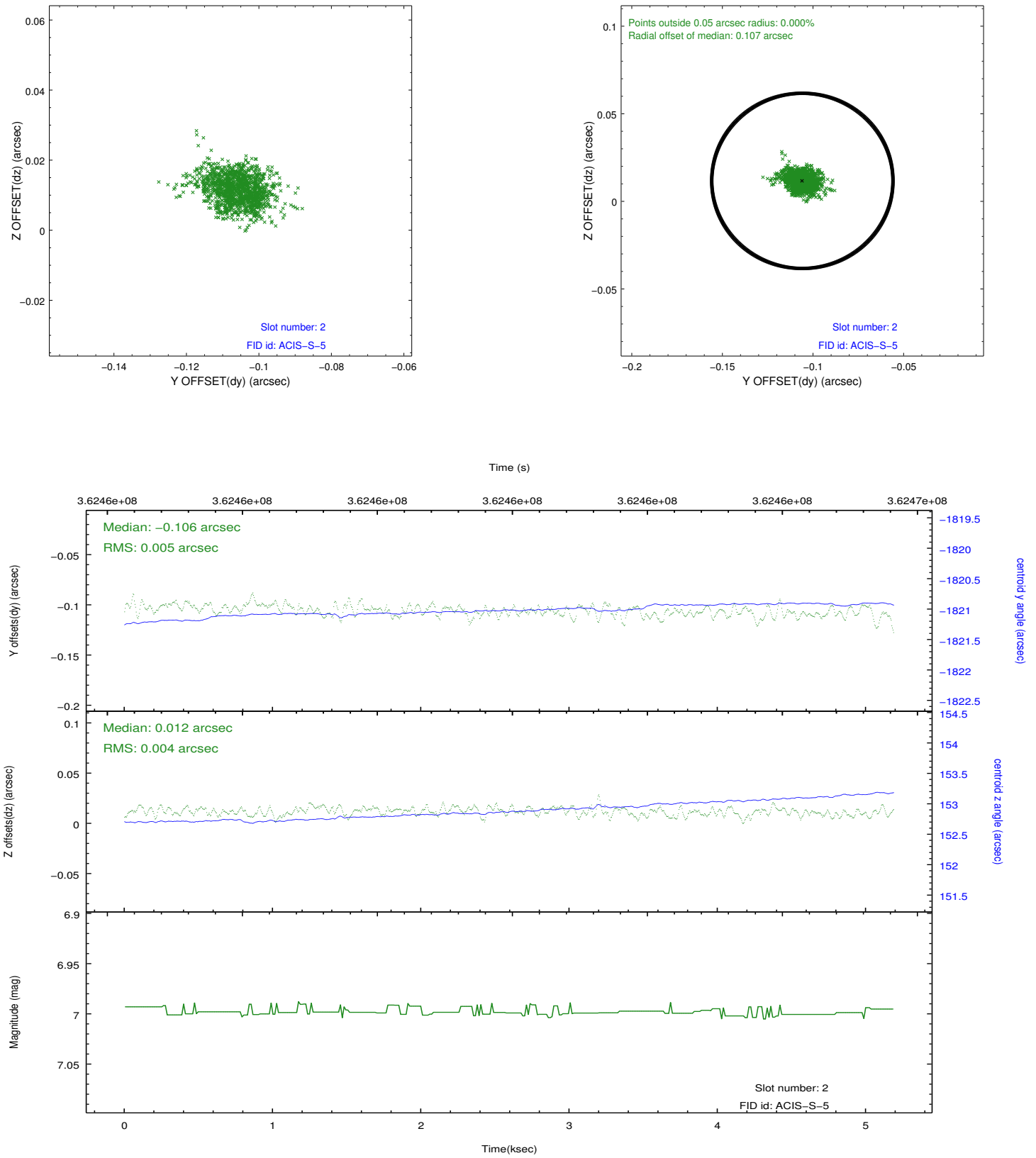
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04639998

A.2 Comments

Roll preference met.