

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11226 - L2 Version 2
Chandra X-Ray Center

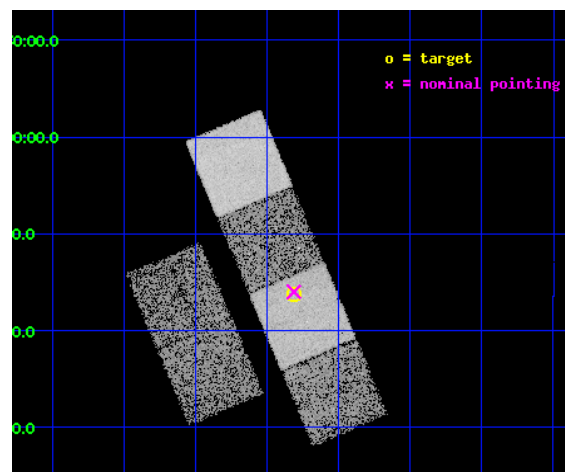
L2 Processing Date : Jun 19 2012

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1 Front

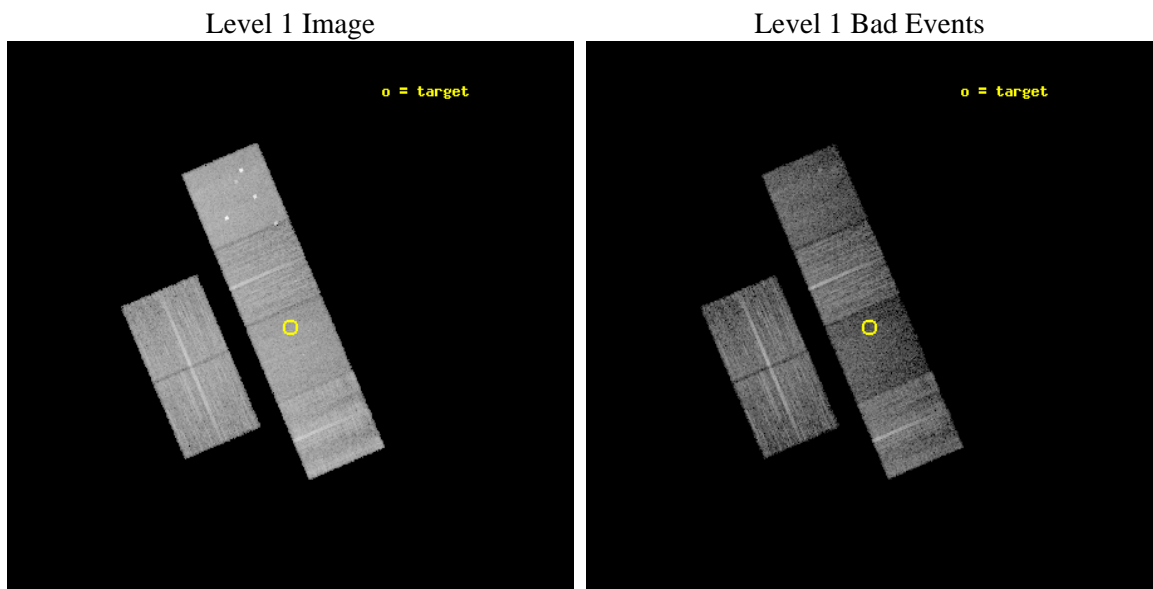
seq_num	501311	Sequence number
obs_id	11226	Observation id
title	Catching up to the Hydrogen Envelope: Late-time X-ray Observations of Type Ib/c SNe	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2004dk	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.45375	Observer's specified target RA [deg]
dec_targ	-2.271472	Observer's specified target Dec [deg]
ra_nom	245.45305689582	Nominal RA [deg]
dec_nom	-2.2667190709803	Nominal Dec [deg]
roll_nom	67.020950454271	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8134.3999697566	Sum of GTIs [s]
livetime	8031.3972993919	Livetime [s]
ontime2	8134.3999697566	Sum of GTIs [s]
ontime3	8134.3999697566	Sum of GTIs [s]
ontime5	8134.3999697566	Sum of GTIs [s]
ontime6	8134.3999697566	Sum of GTIs [s]
ontime7	8134.3999697566	Sum of GTIs [s]
ontime8	8134.3999697566	Sum of GTIs [s]
l2events	99223	Number of level 2 events



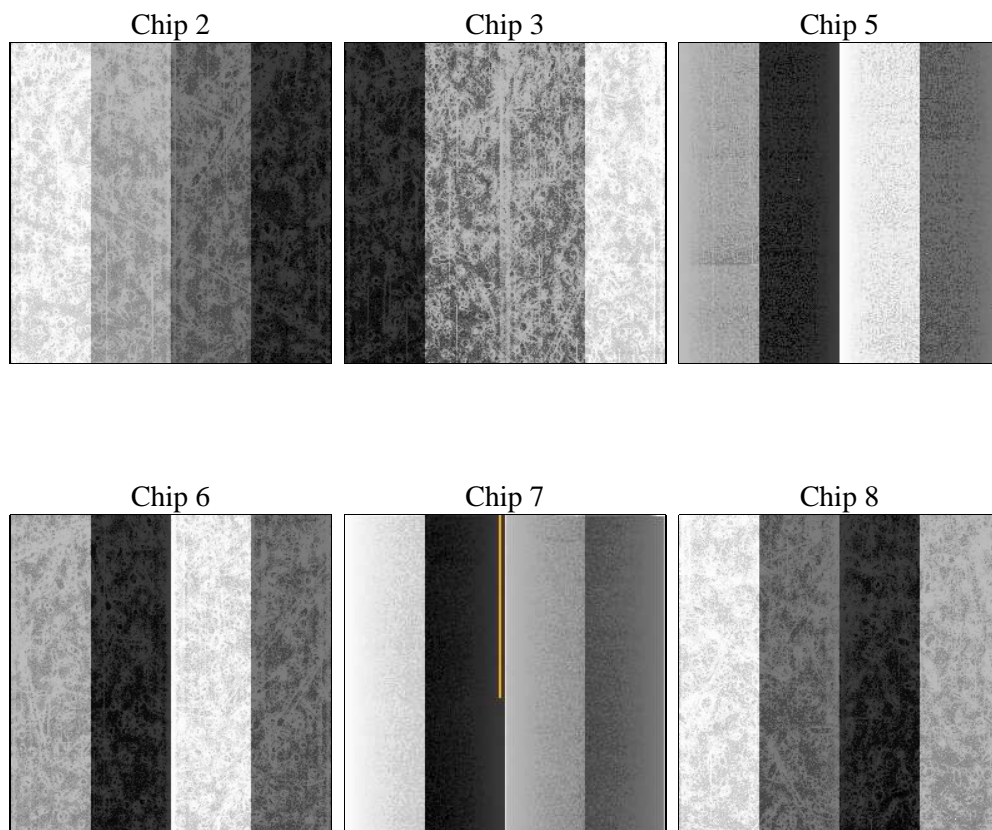
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8134.3999697566	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	8134.3999697566	Sum of GTIs [s]
date	2012-06-19T22:18:49	Date and time of file creation	ontime3	8134.3999697566	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8134.3999697566	Sum of GTIs [s]
			ontime6	8134.3999697566	Sum of GTIs [s]
			ontime7	8134.3999697566	Sum of GTIs [s]
			ontime8	8134.3999697566	Sum of GTIs [s]
			l1events	462222	Number of level 1 events

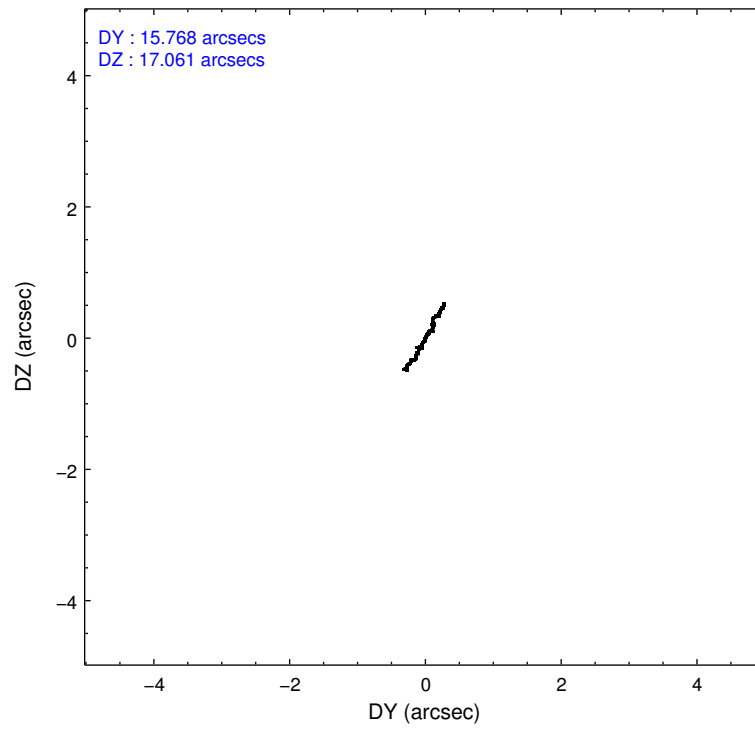
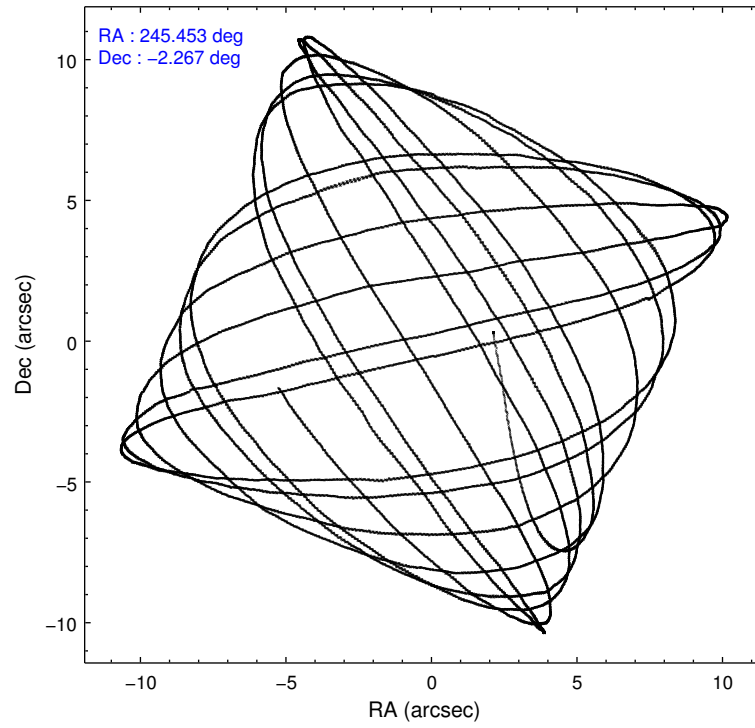
2.1.4 Events

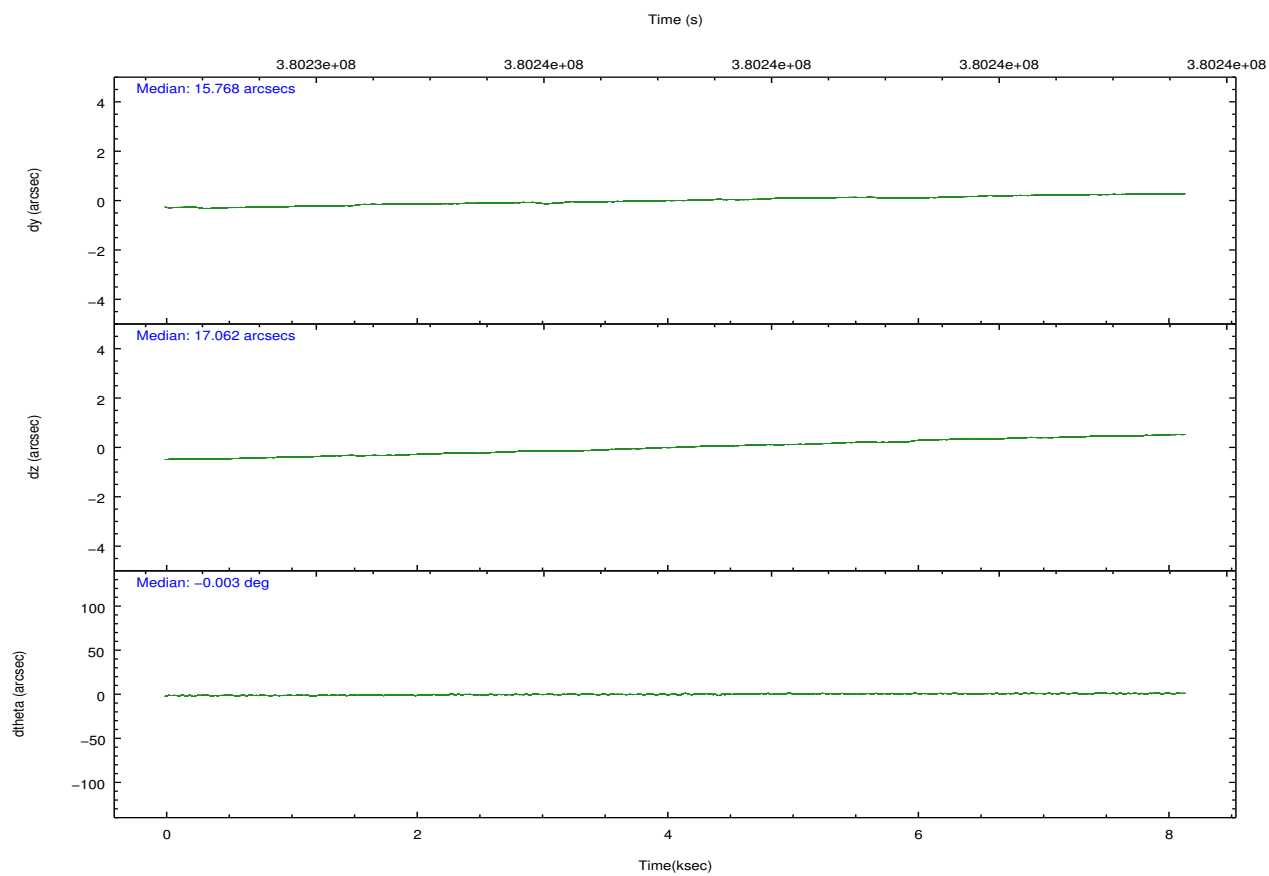
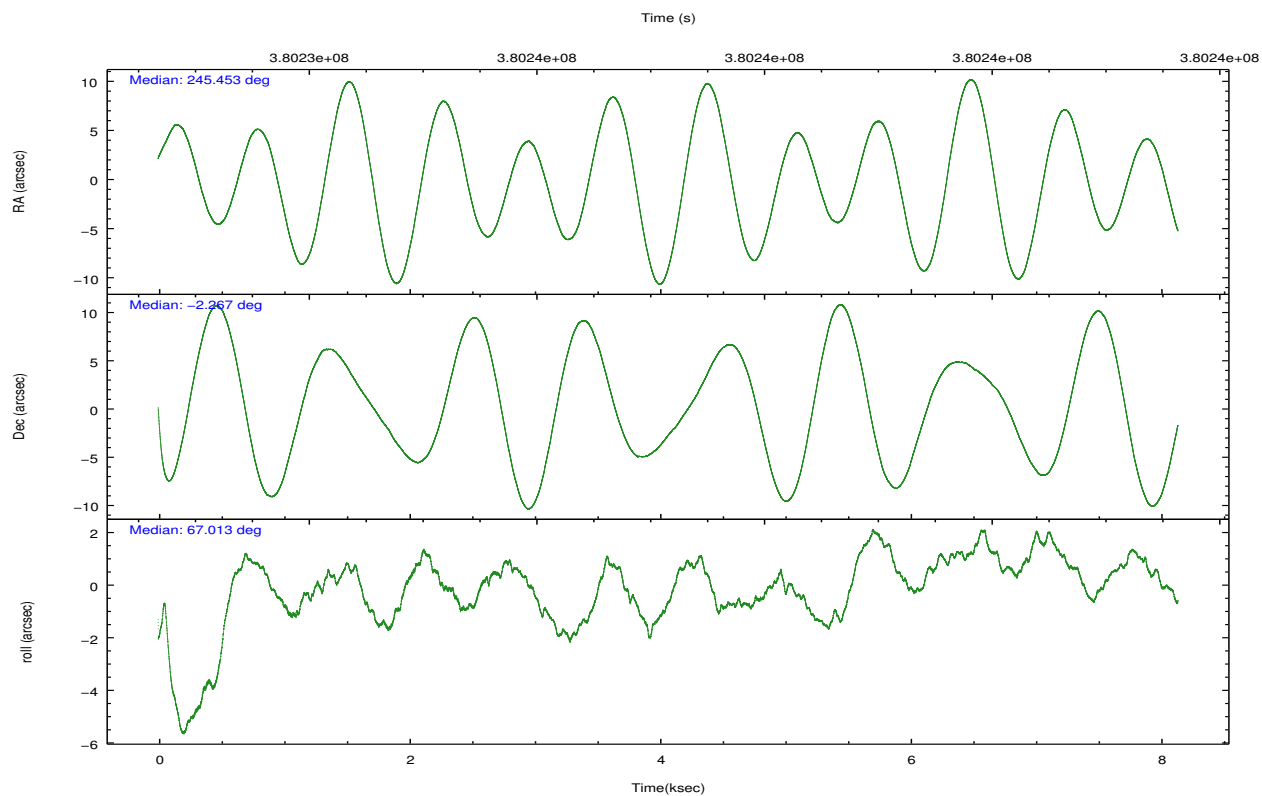
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	71010	66925	94798	72082	68174	89233	grade 0 events	2590	2466	8653	3057	3525	6369
rejected events	64179	60679	44253	64652	35507	66802		3%	3%	9%	4%	5%	7%
rejected %	90%	90%	46%	89%	52%	74%	grade 1 events	43	49	307	33	98	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	1780	1395	15694	1727	7260	5709
								2%	2%	16%	2%	10%	6%
							grade 3 events	759	671	2083	734	3139	2424
								1%	1%	2%	1%	4%	2%
							grade 4 events	708	677	1998	788	3082	2208
								0%	1%	2%	1%	4%	2%
							grade 5 events	2137	2374	7185	2512	7211	3875
								3%	3%	7%	3%	10%	4%
							grade 6 events	1246	1250	24193	1420	16944	6706
								1%	1%	25%	1%	24%	7%
							grade 7 events	61747	58043	34685	61811	26915	61859
								86%	86%	36%	85%	39%	69%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	245.456729	245.453056895818	CCD I2 on	O2	Y
[deg] Pointing Dec	-2.293766	-2.266719070980318	CCD I3 on	O3	Y
[deg] Pointing Roll	66.864473	67.0209504542709	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	380233216.184000	380231861.91462	CCD S5 on	N	N
Observation start date	2010-01-18T20:19:10	2010-01-18T19:57:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	380241216.184000	380242213.39014	On-chip summing requested	N	N
Observation end date	2010-01-18T22:32:30	2010-01-18T22:50:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



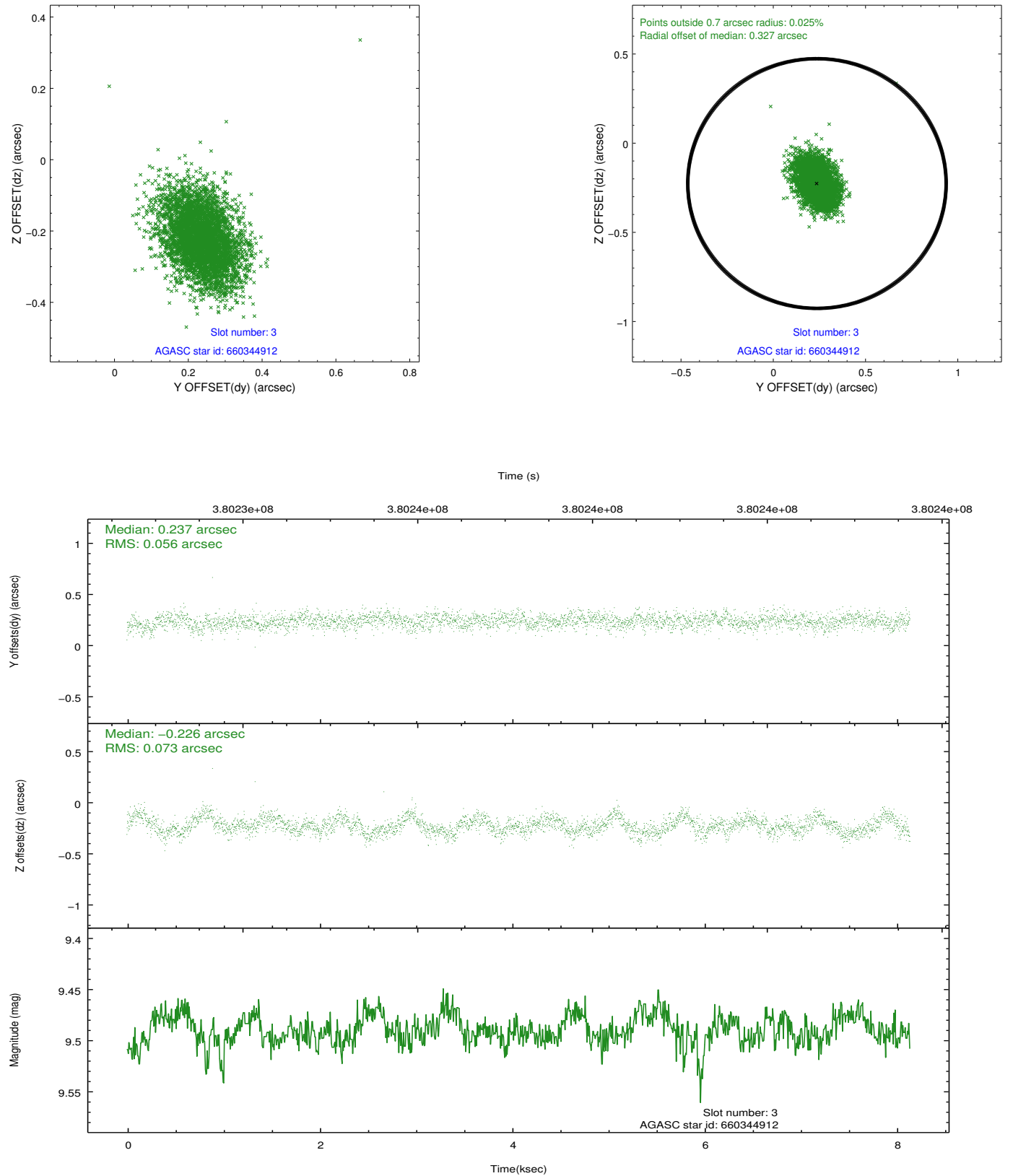


Slot Statistics

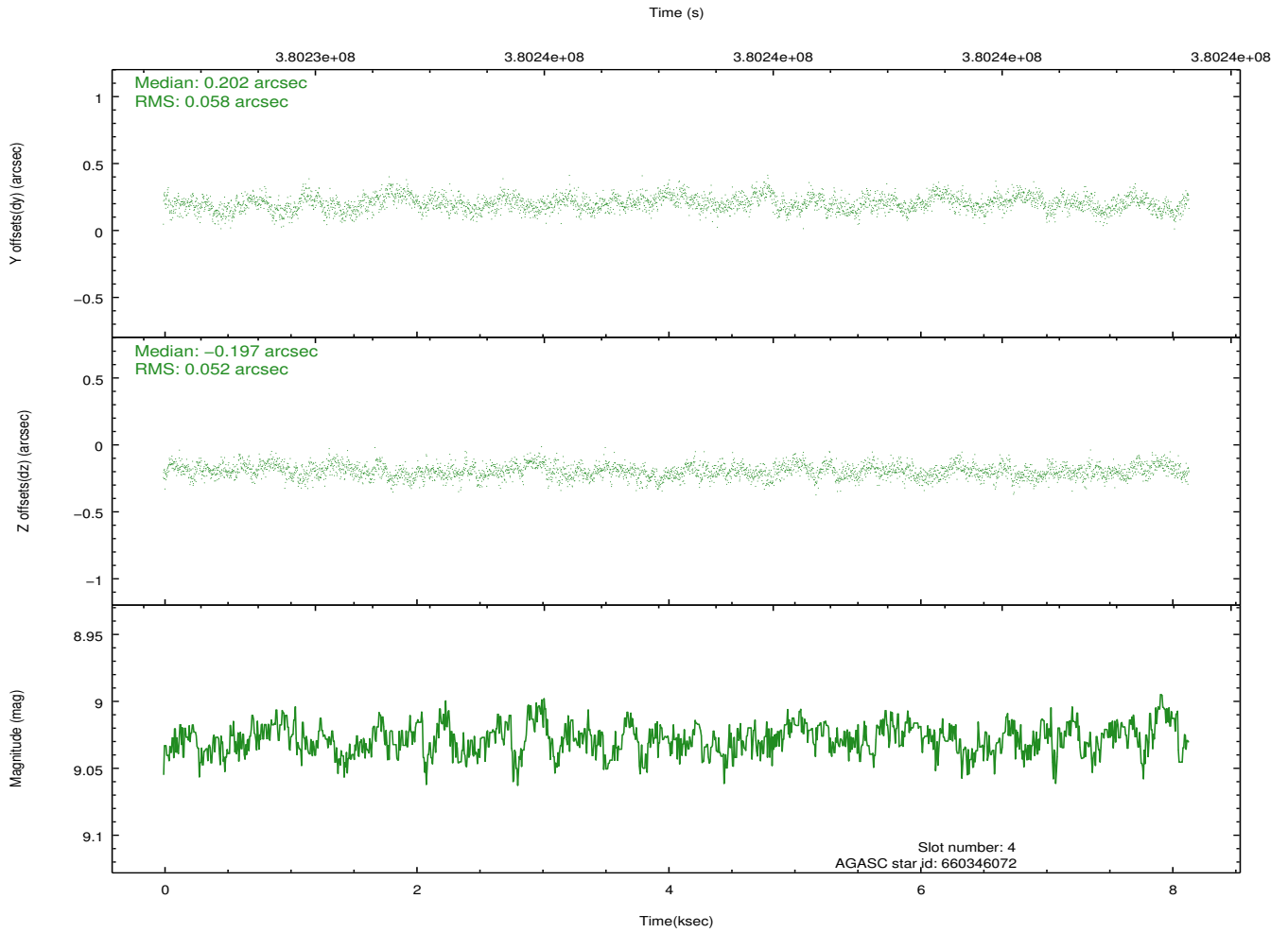
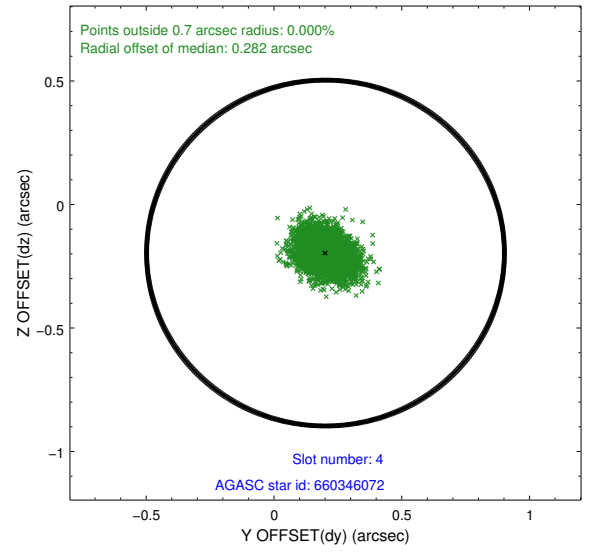
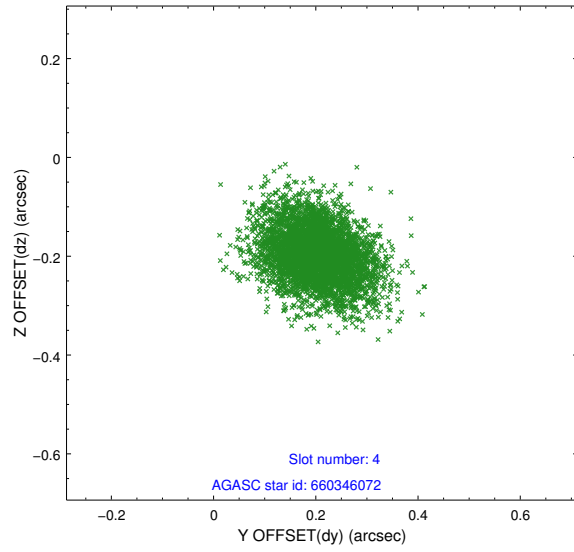
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1986	-0.077	-0.037	0.011	0.016	0.000000	0.000000	-768.87	-1738.52
1	FID	ACIS-S-4	6.97	1986	0.176	0.047	0.009	0.030	0.000000	0.000000	2144.39	169.28
2	FID	ACIS-S-5	7.01	1986	-0.132	-0.003	0.012	0.019	0.000000	0.000000	-1820.85	163.76
3	GUIDE	660344912	9.49	3971	0.237	-0.226	0.096	0.160	244.901250	-2.648582	-1959.47	1334.85
4	GUIDE	660346072	9.03	3970	0.202	-0.197	0.082	0.136	244.789843	-2.687626	-2247.01	1648.51
5	GUIDE	660474544	8.12	3968	-0.129	0.117	0.067	0.108	245.932166	-2.265085	766.56	-1531.10
6	GUIDE	660475088	9.10	3968	-0.162	0.154	0.103	0.165	245.887958	-2.024887	1500.06	-1045.99
7	GUIDE	660476688	9.57	3957	-0.149	0.153	0.125	0.209	246.022283	-2.323922	699.99	-1912.86

2.4 Star Slots

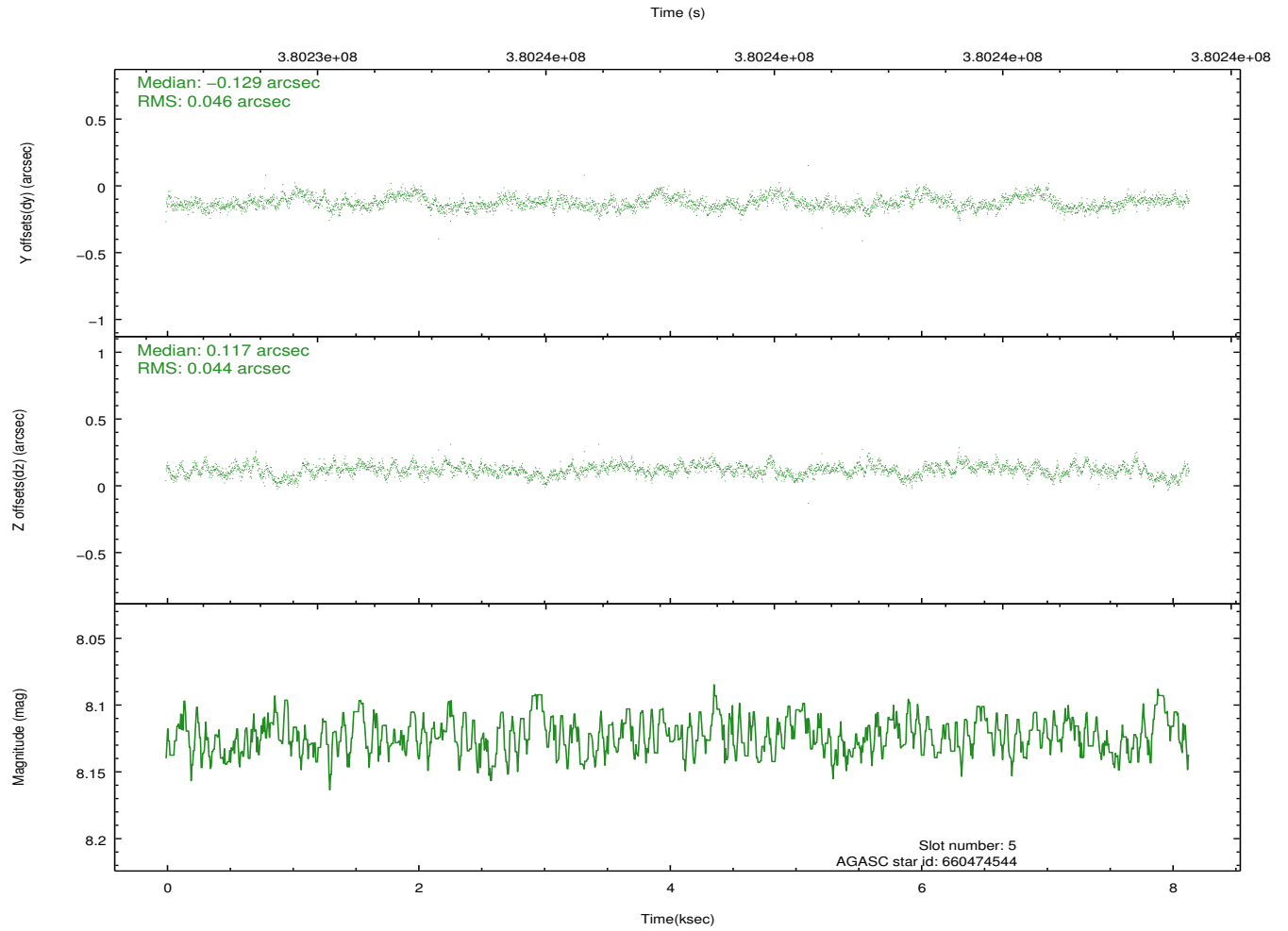
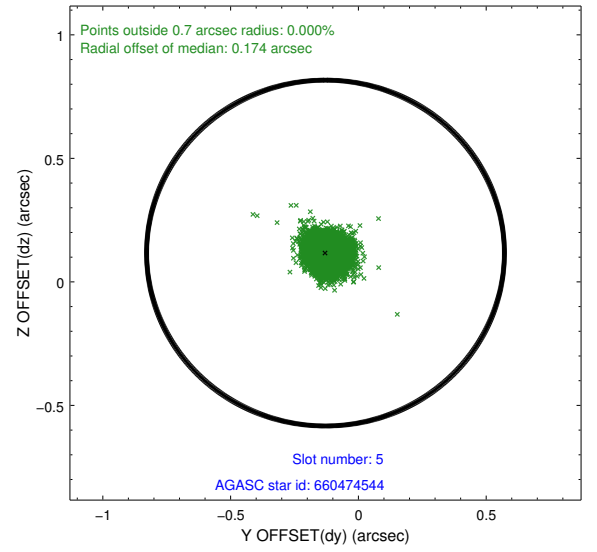
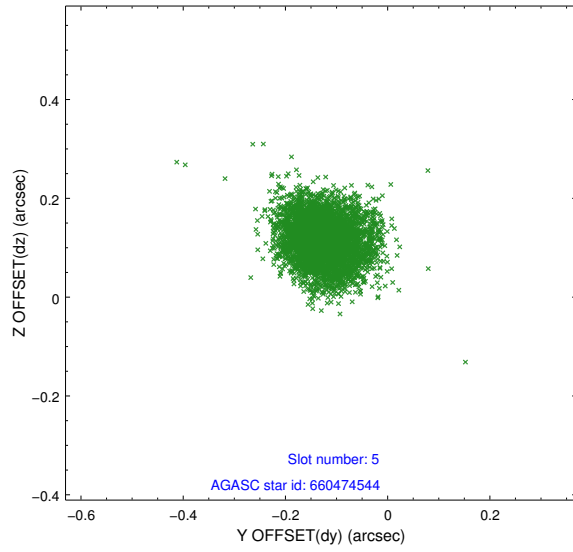
2.4.1 Slot 3



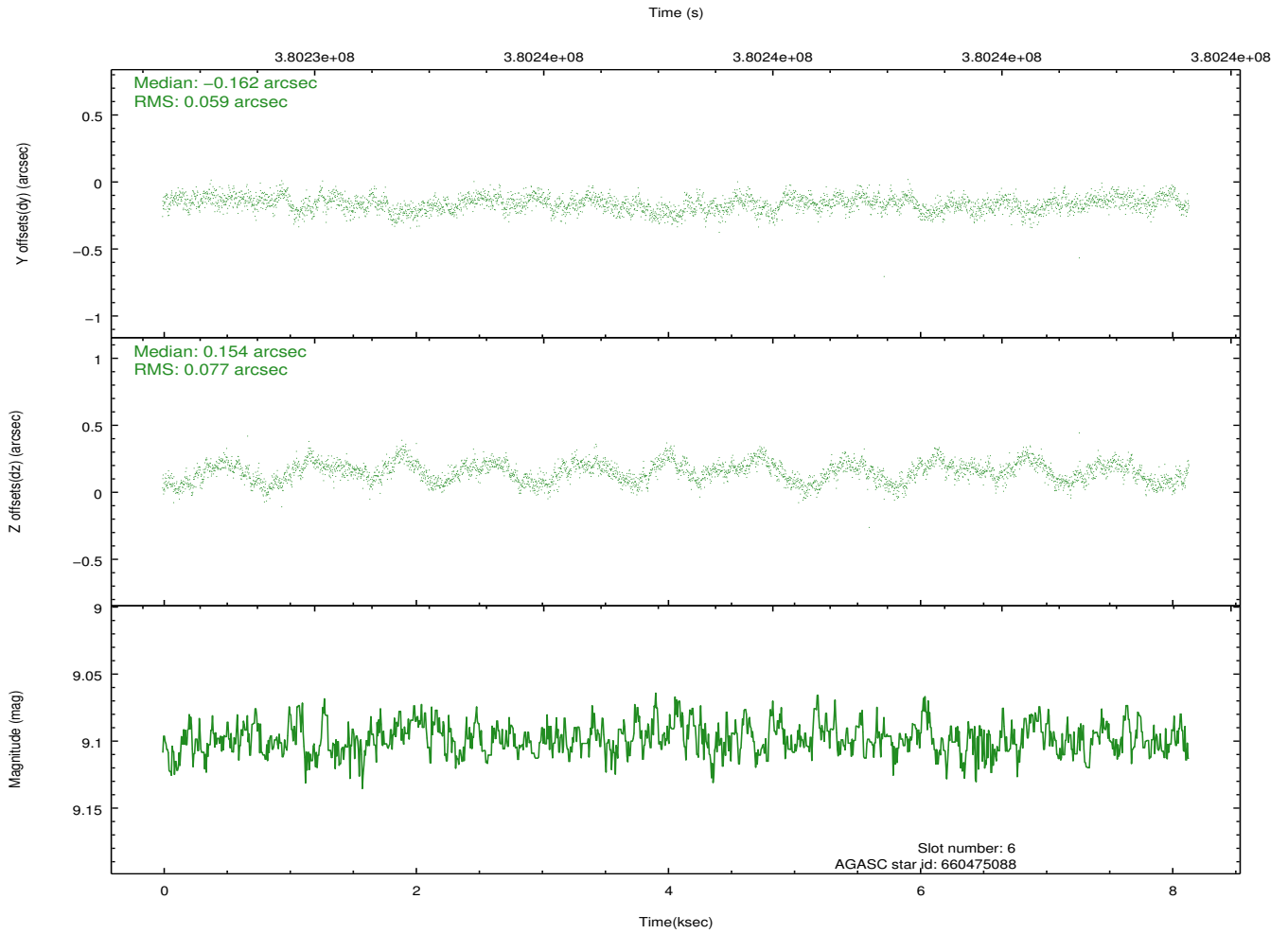
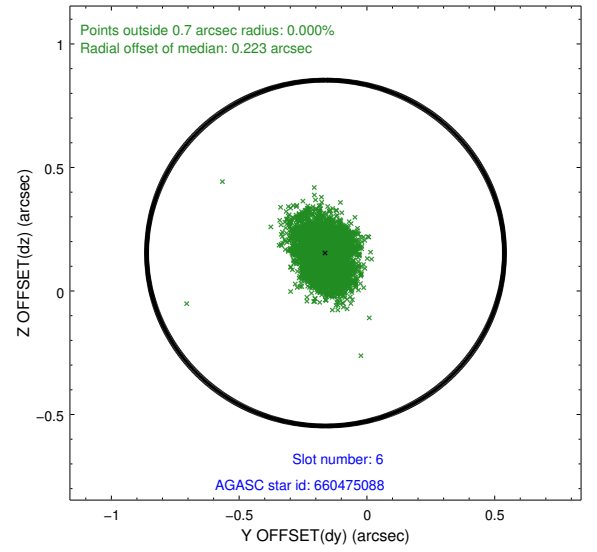
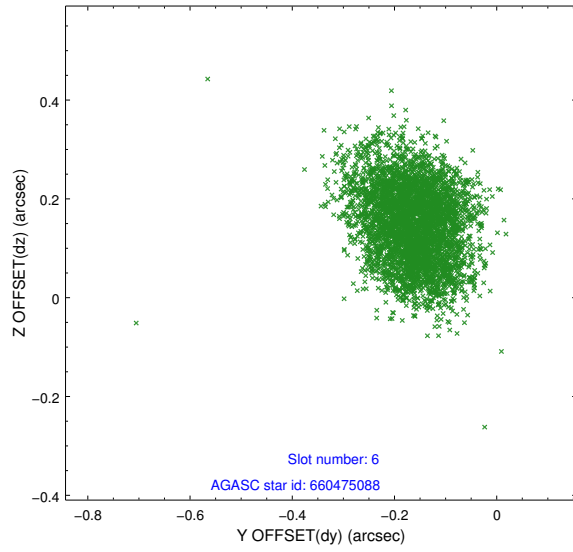
2.4.2 Slot 4



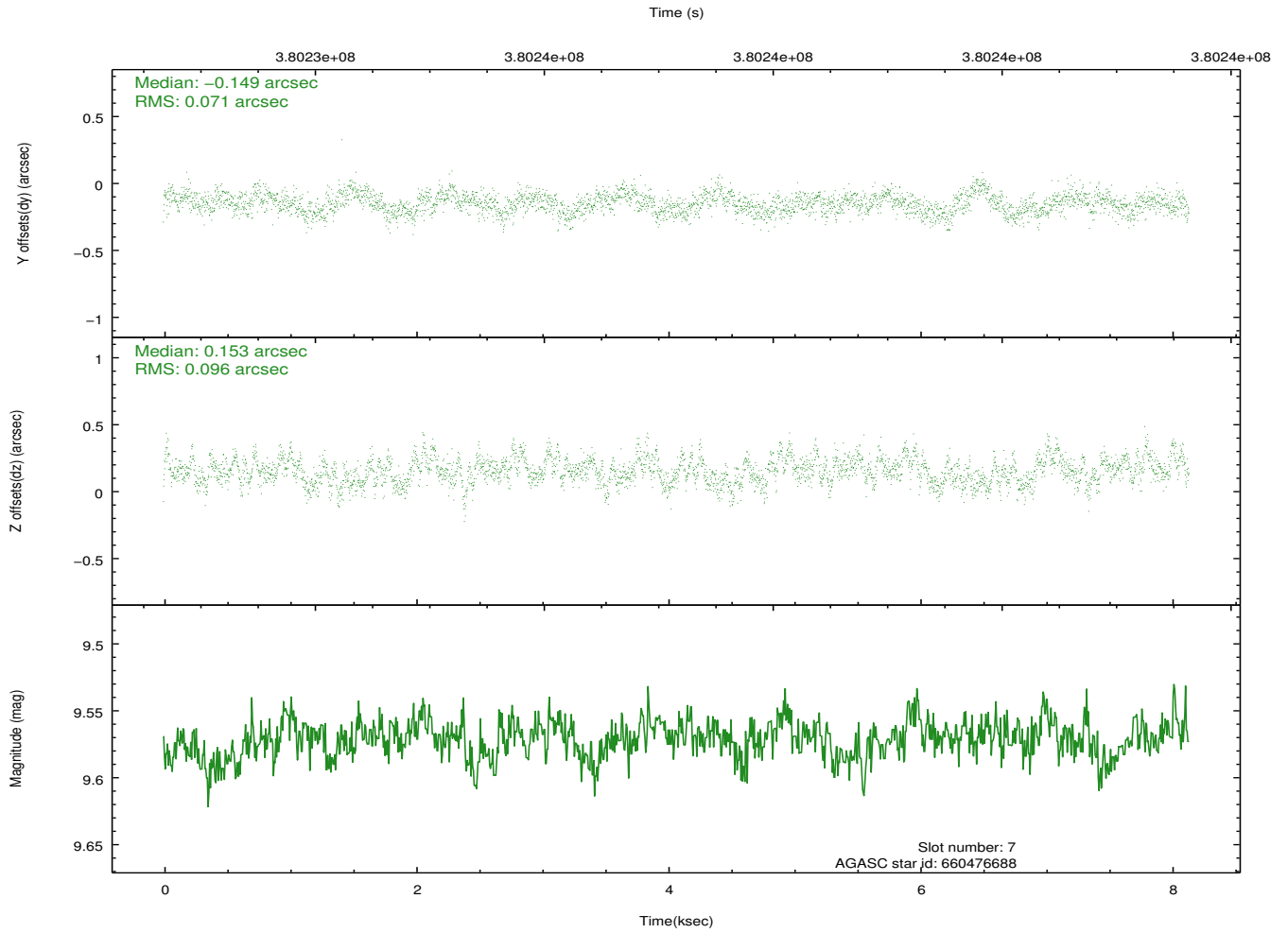
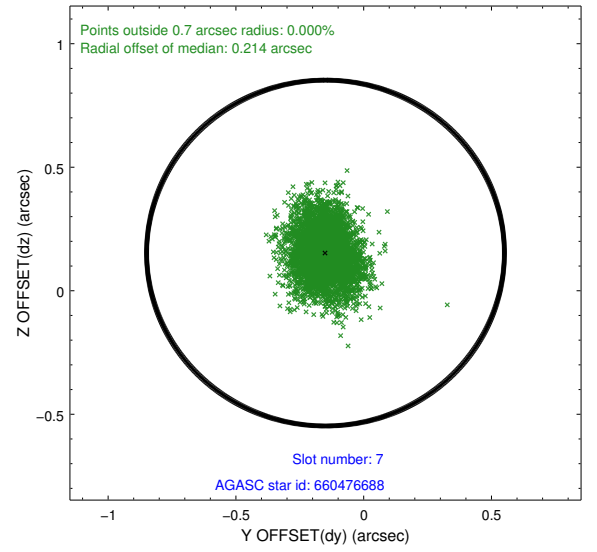
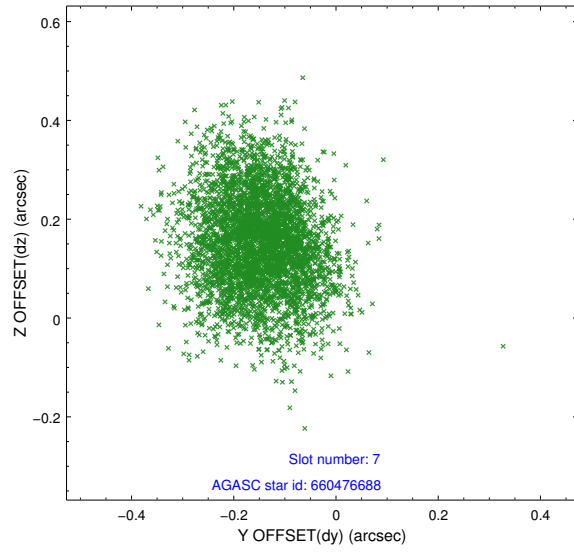
2.4.3 Slot 5



2.4.4 Slot 6

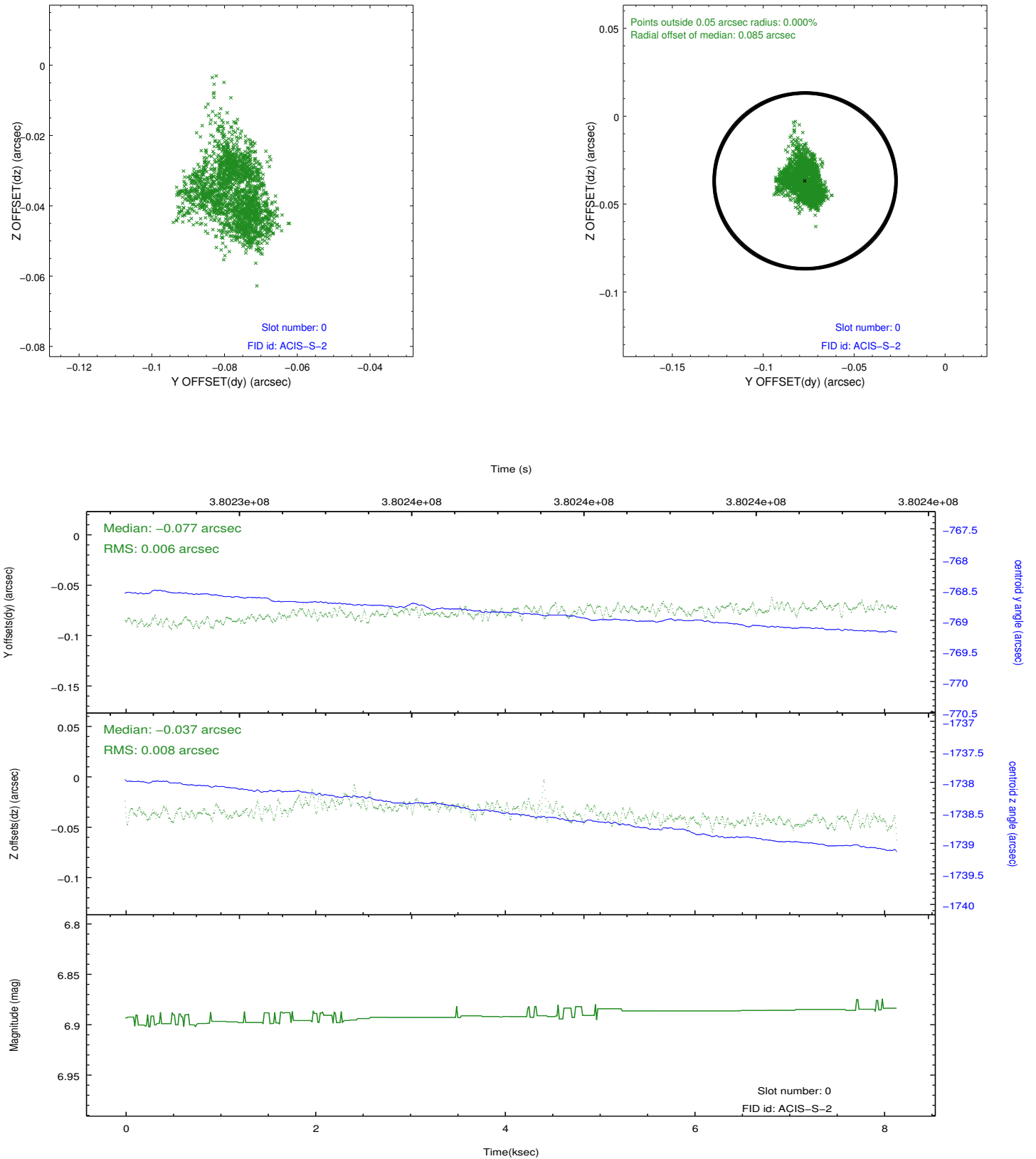


2.4.5 Slot 7

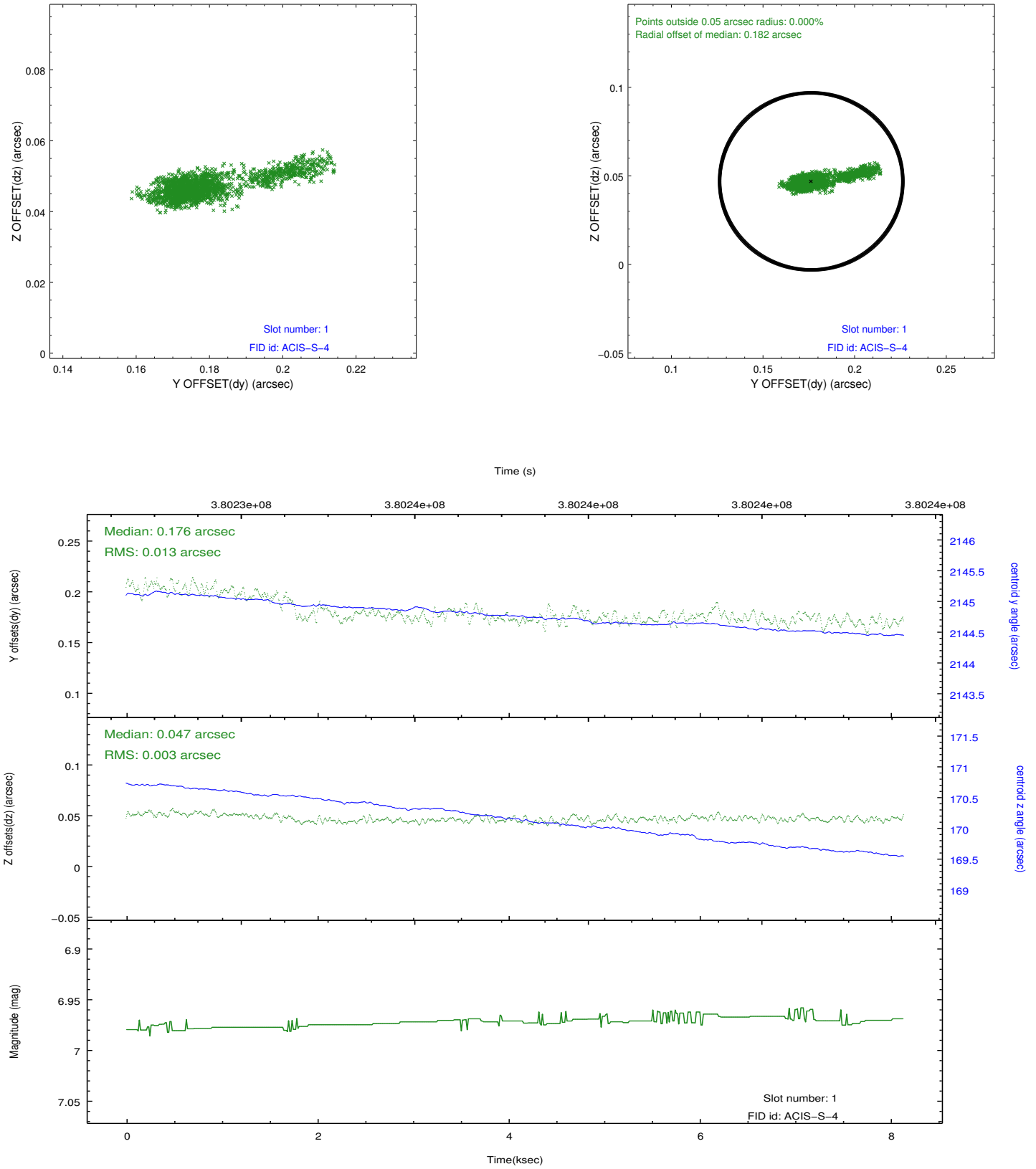


2.5 FID Slots

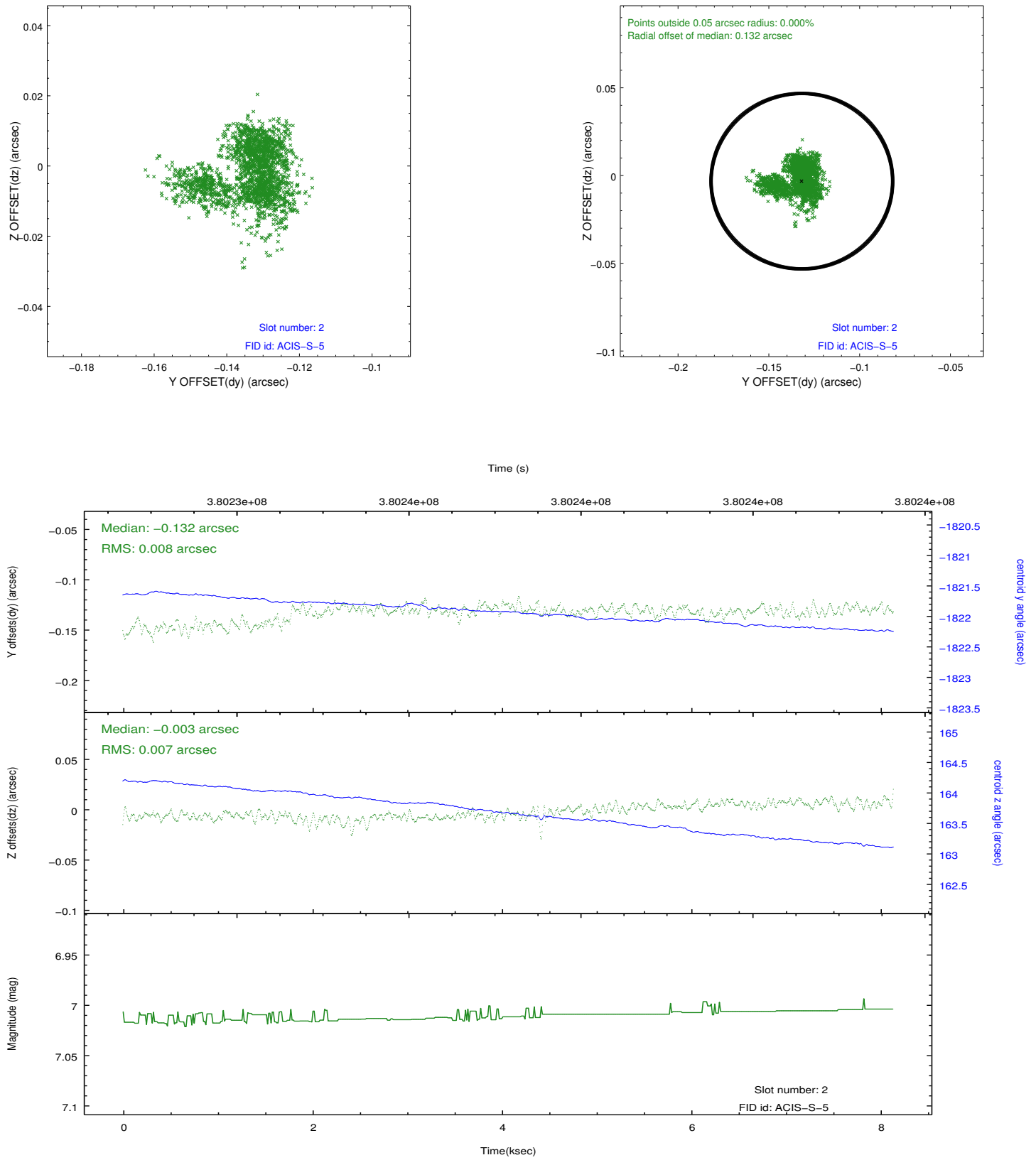
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1343999697566

A.2 Comments