

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11066 - L2 Version 2
Chandra X-Ray Center

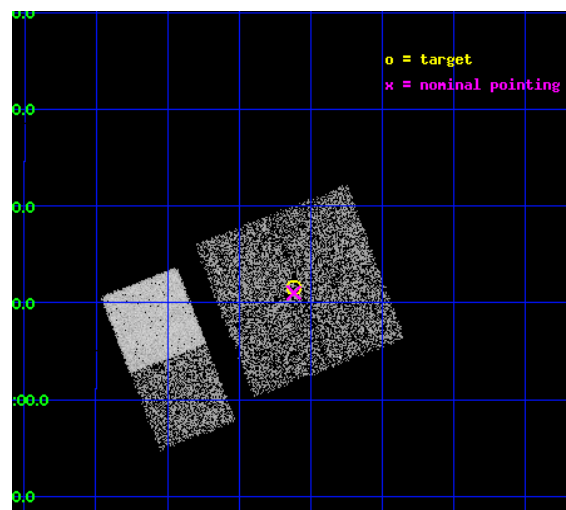
L2 Processing Date : Jun 11 2012

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1 Front

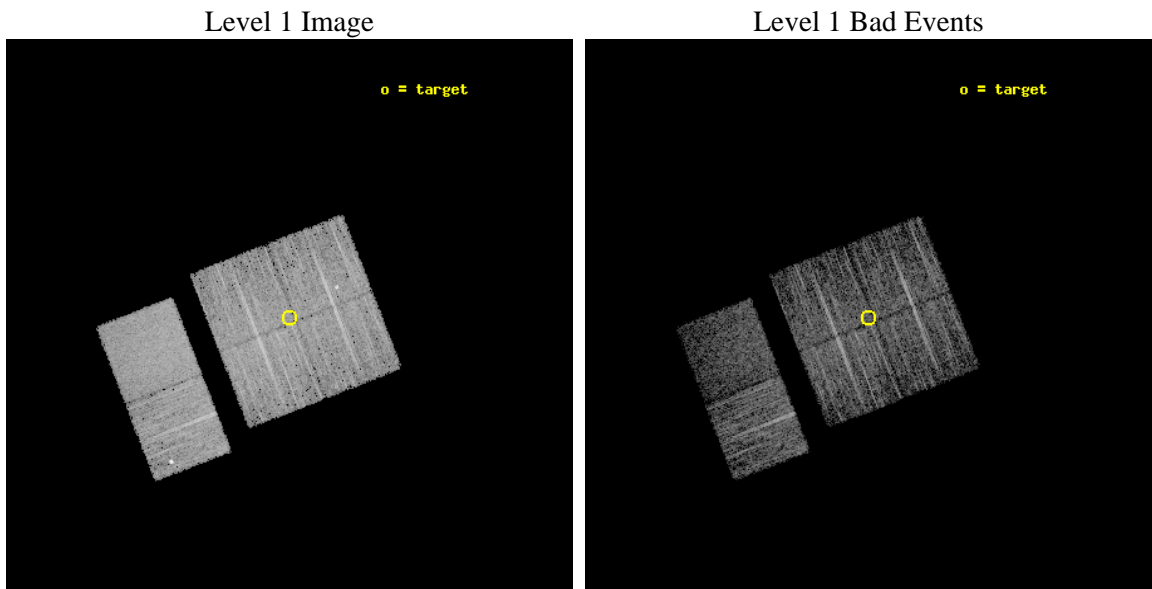
seq_num	401101	Sequence number
obs_id	11066	Observation id
title	Precise Positions of Historically Bright X-ray Binaries	Proposal t
observer	Dr. Alan Levine	Principal investigator
object	4U1901+03	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	285.904583	Observer's specified target RA [deg]
dec_targ	3.191889	Observer's specified target Dec [deg]
ra_nom	285.90410182301	Nominal RA [deg]
dec_nom	3.1838726423705	Nominal Dec [deg]
roll_nom	248.78783853763	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4038.3999850154	Sum of GTIs [s]
livetime	3987.2633327726	Livetime [s]
ontime0	4038.3999850154	Sum of GTIs [s]
ontime1	4038.3999850154	Sum of GTIs [s]
ontime2	4038.3999850154	Sum of GTIs [s]
ontime3	4038.3999850154	Sum of GTIs [s]
ontime6	4038.3999850154	Sum of GTIs [s]
ontime7	4038.3999850154	Sum of GTIs [s]
l2events	33347	Number of level 2 events



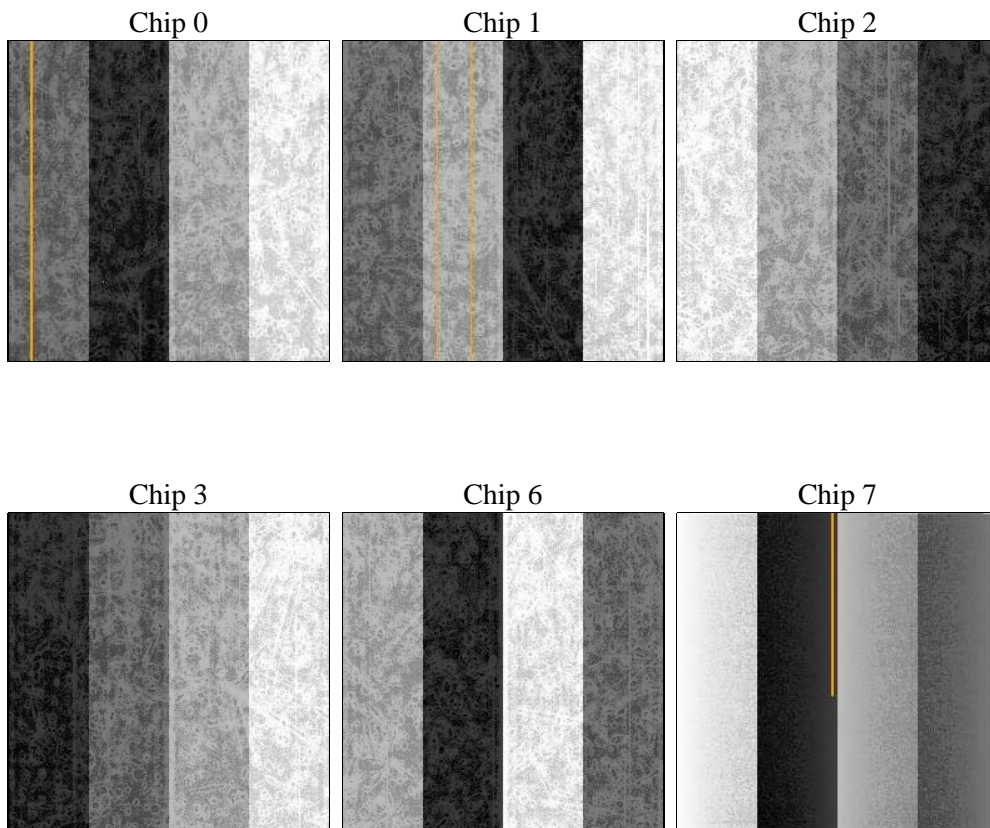
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4038.3999850154	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	4038.3999850154	Sum of GTIs [s]
date	2012-06-12T01:52:44	Date and time of file creation	ontime1	4038.3999850154	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4038.3999850154	Sum of GTIs [s]
			ontime3	4038.3999850154	Sum of GTIs [s]
			ontime6	4038.3999850154	Sum of GTIs [s]
			ontime7	4038.3999850154	Sum of GTIs [s]
			l1events	219852	Number of level 1 events

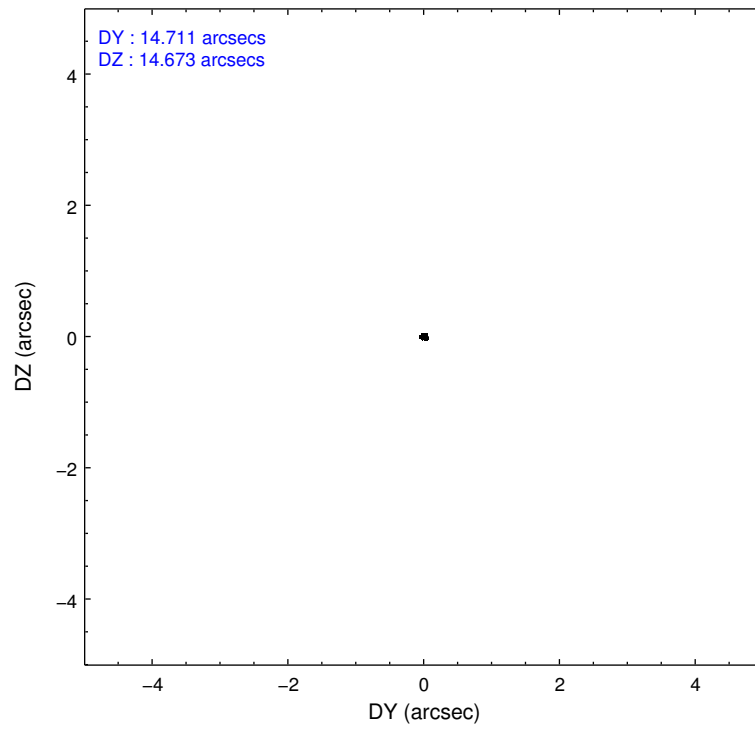
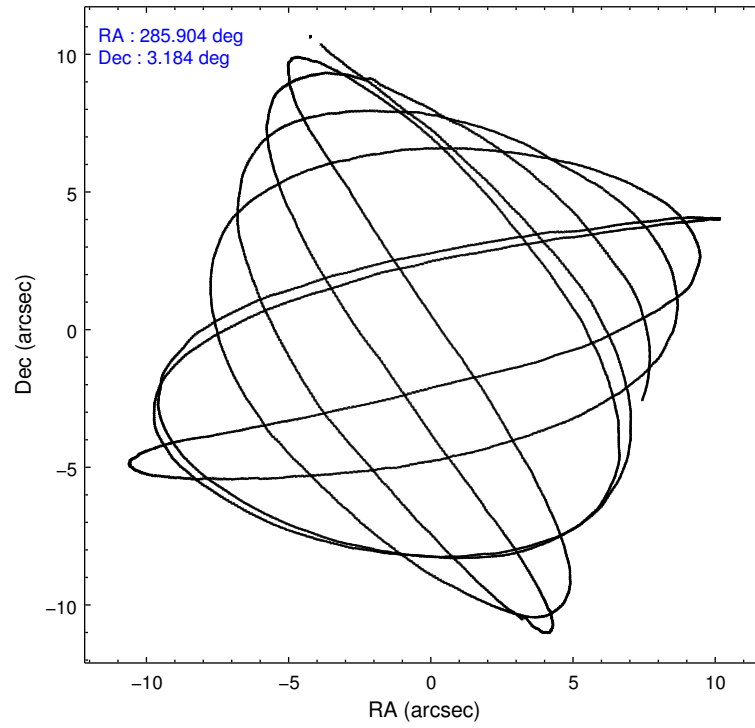
2.1.4 Events

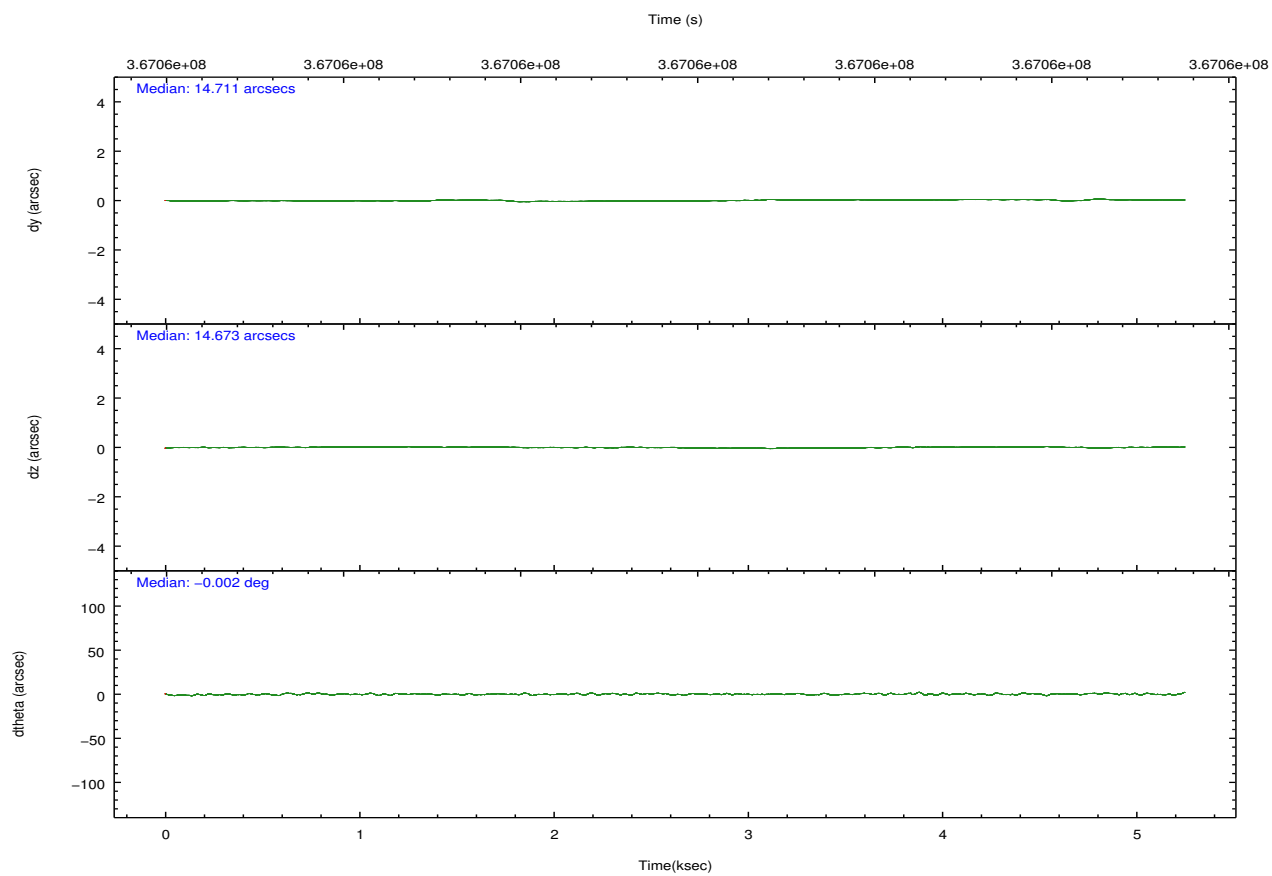
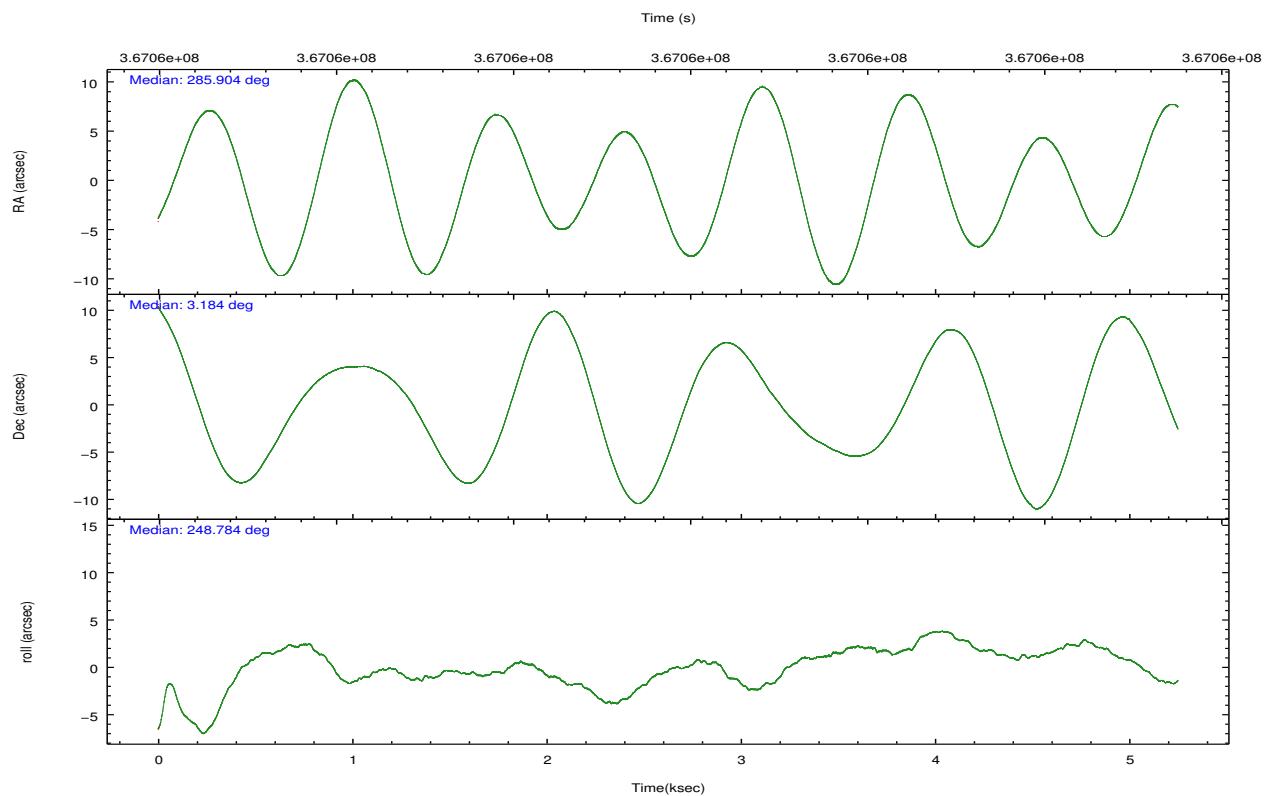
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	32754	34598	38851	34278	38769	40602	grade 0 events	1368	1939	1321	1348	1361	1662
rejected events	29108	30155	35188	30741	33832	22188		4%	5%	3%	3%	3%	4%
rejected %	88%	87%	90%	89%	87%	54%	grade 1 events	28	27	24	17	14	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	846	876	905	716	2006	3804
								2%	2%	2%	2%	5%	9%
							grade 3 events	397	435	347	412	382	1663
								1%	1%	0%	1%	0%	4%
							grade 4 events	379	427	404	399	391	1602
								1%	1%	1%	1%	1%	3%
							grade 5 events	1297	1365	1162	1412	1488	4043
								3%	3%	2%	4%	3%	9%
							grade 6 events	661	782	692	669	802	9700
								2%	2%	1%	1%	2%	23%
							grade 7 events	27778	28747	33996	29305	32325	18070
								84%	83%	87%	85%	83%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	285.899715	285.9041018230058	CCD I2 on	Y	Y
[deg] Pointing Dec	3.210985	3.18387264237046	CCD I3 on	Y	Y
[deg] Pointing Roll	248.579388	248.7878385376261	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	367058495.184000	367056959.17606	CCD S5 on	N	N
Observation start date	2009-08-19T08:40:29	2009-08-19T08:15:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	367062495.184000	367063383.87638	On-chip summing requested	N	N
Observation end date	2009-08-19T09:47:09	2009-08-19T10:03:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



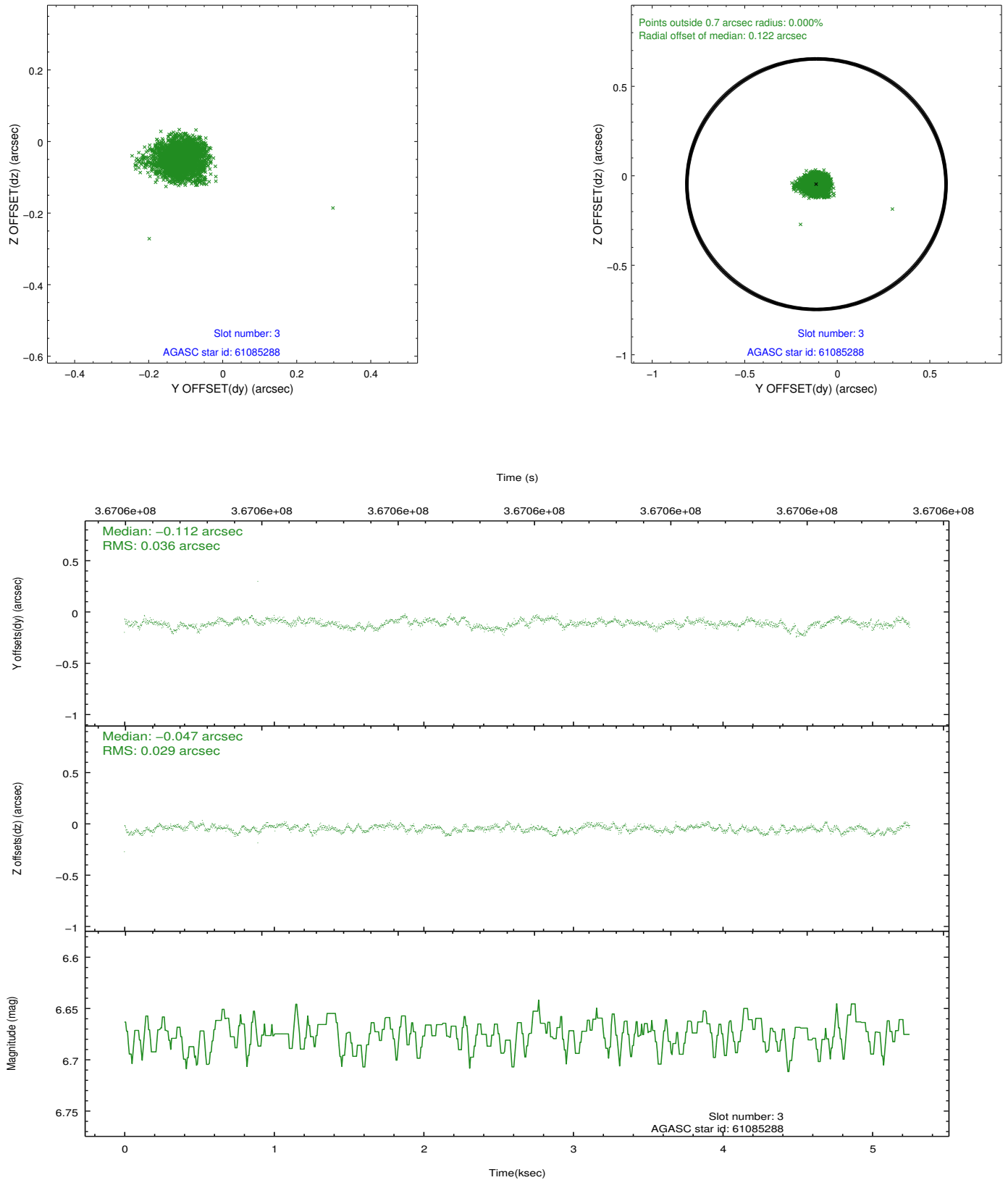


Slot Statistics

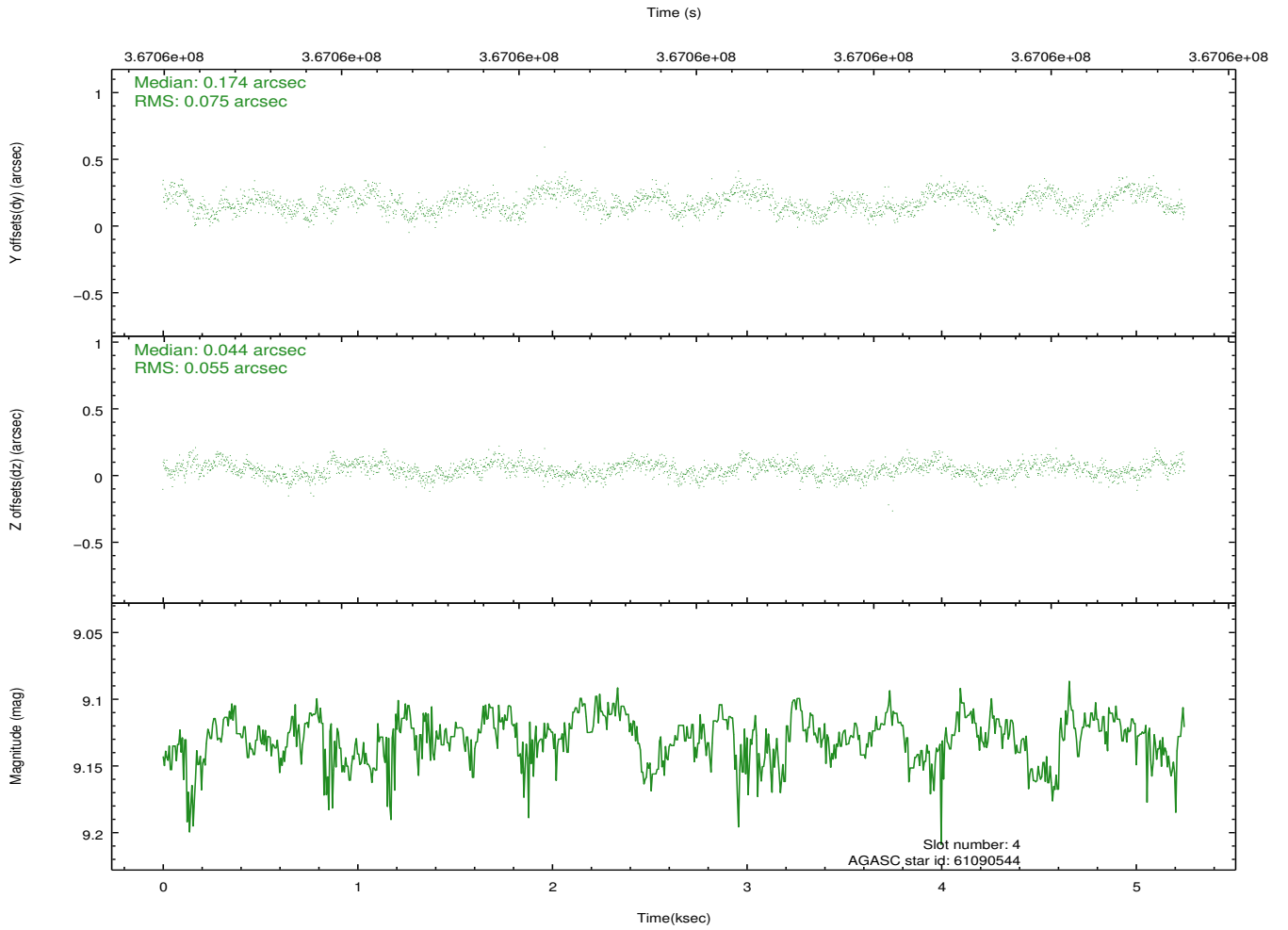
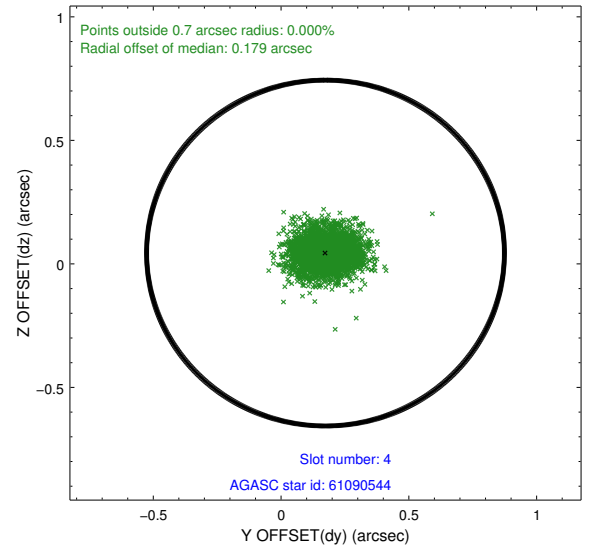
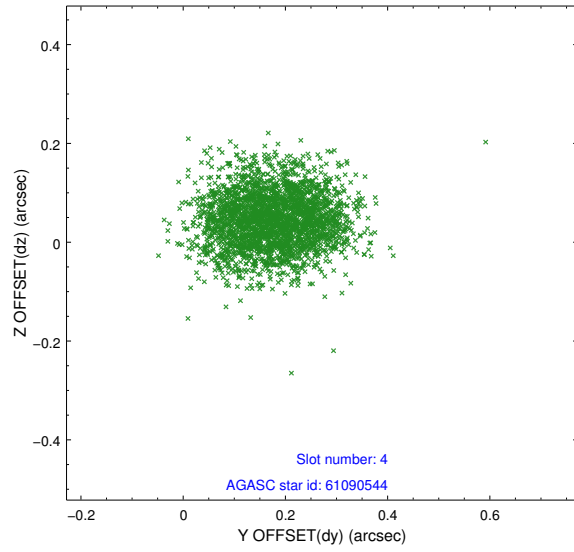
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	1280	0.006	0.069	0.008	0.013	0.000000	0.000000	924.75	-838.19
1	FID	ACIS-I-2	6.97	1281	-0.121	-0.076	0.008	0.012	0.000000	0.000000	-768.83	-845.35
2	FID	ACIS-I-6	7.07	1280	0.024	0.073	0.007	0.012	0.000000	0.000000	389.89	1703.04
3	GUIDE	61085288	6.67	2562	-0.112	-0.047	0.048	0.078	286.195502	2.984126	372.06	1288.05
4	GUIDE	61090544	9.13	2553	0.174	0.044	0.100	0.155	285.571193	2.739432	2012.64	-478.88
5	GUIDE	61092152	6.78	2562	-0.143	-0.010	0.052	0.085	285.897768	2.545743	2233.08	868.04
6	GUIDE	61092160	8.14	2559	0.158	-0.020	0.071	0.124	286.034895	2.526382	2118.18	1353.12
7	GUIDE	61612688	9.24	2560	-0.065	0.038	0.154	0.232	285.776109	3.855240	-1995.74	-1259.56

2.4 Star Slots

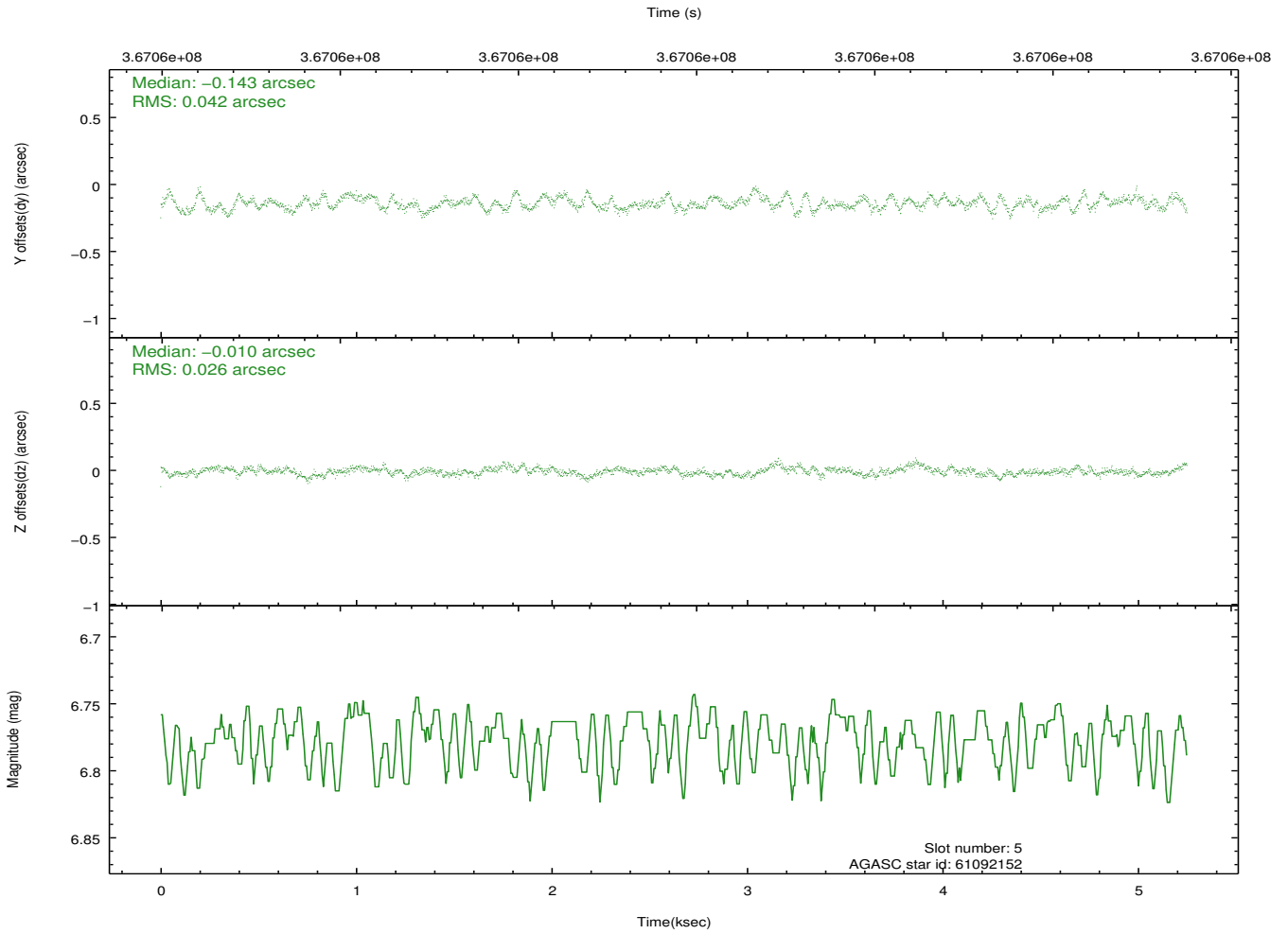
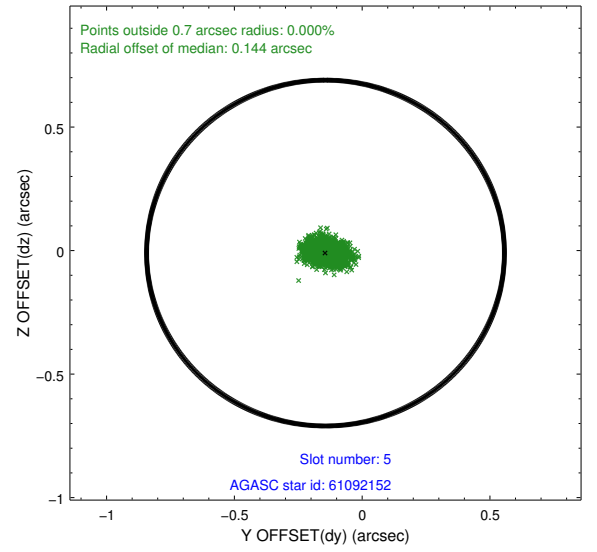
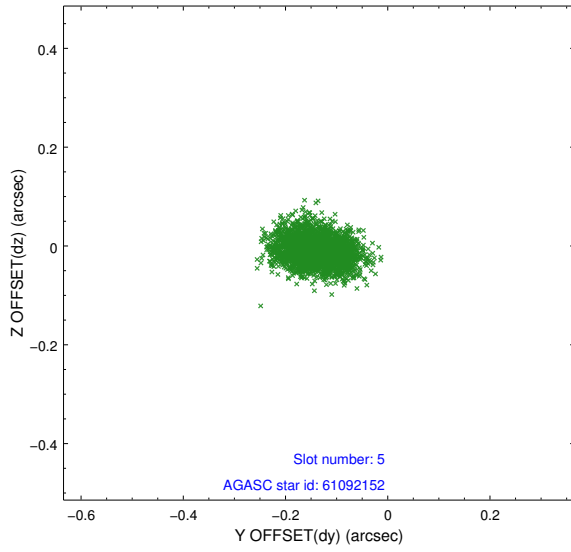
2.4.1 Slot 3



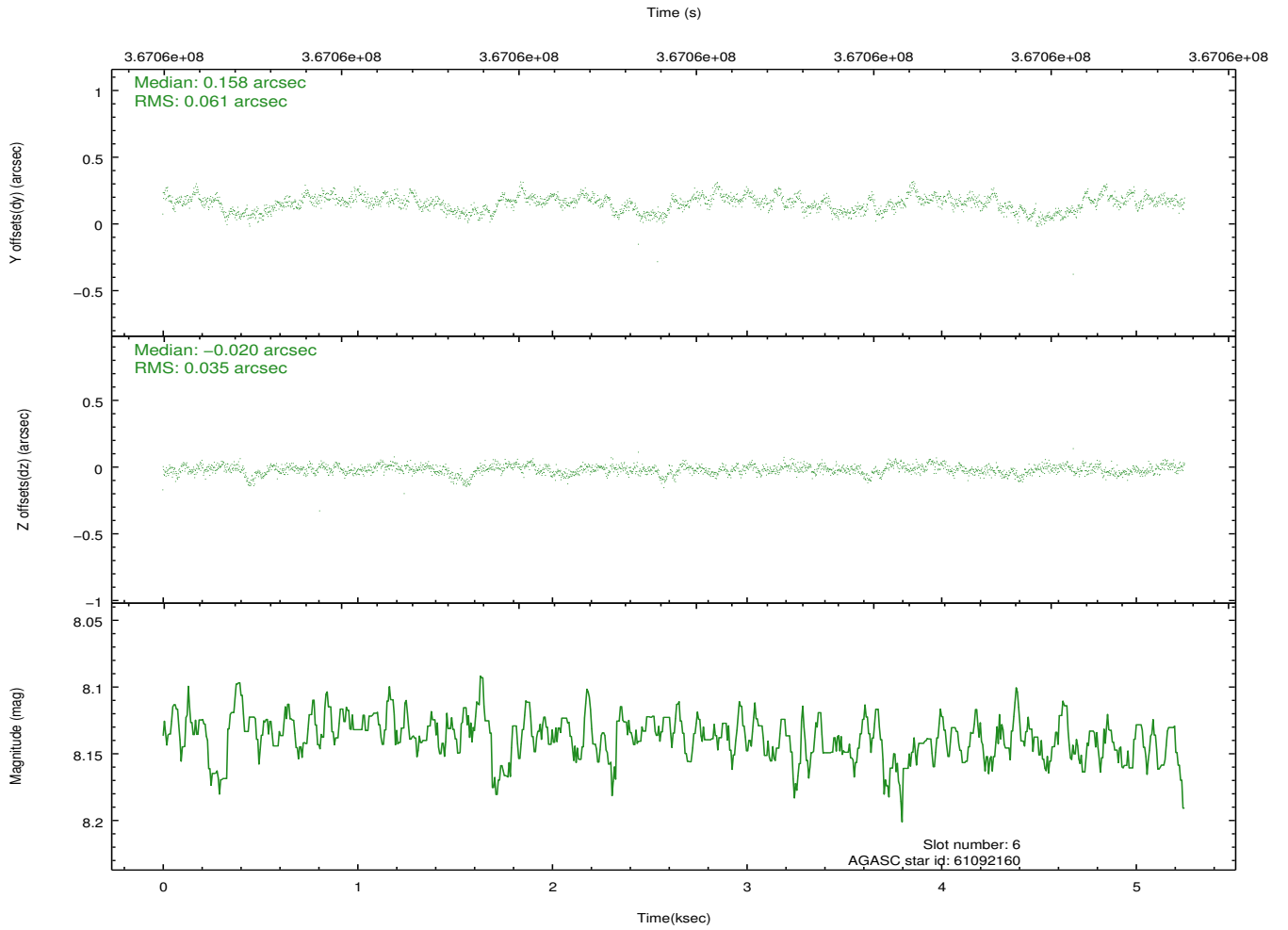
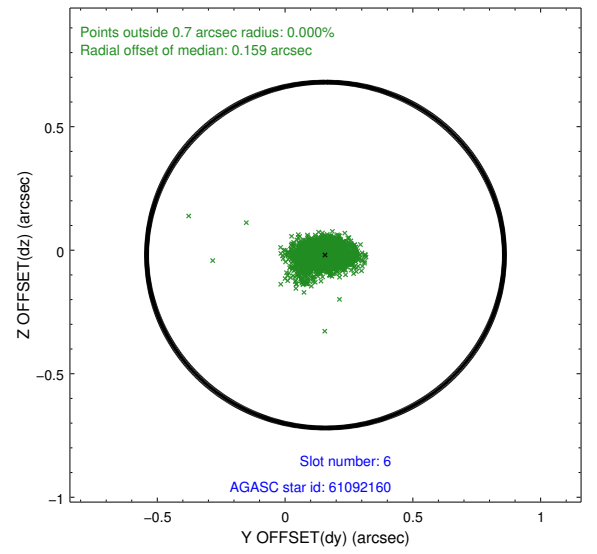
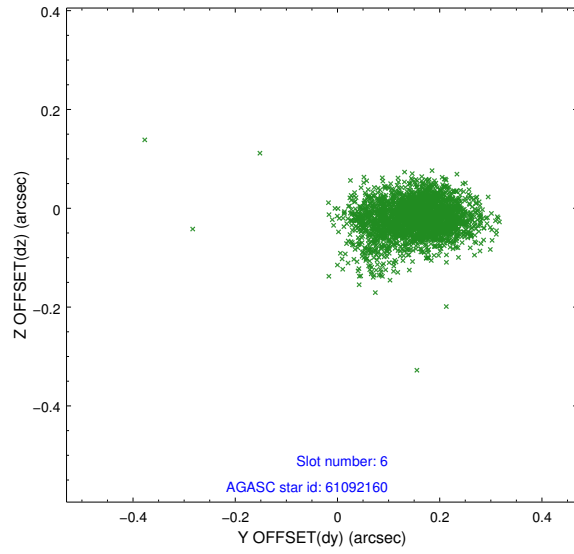
2.4.2 Slot 4



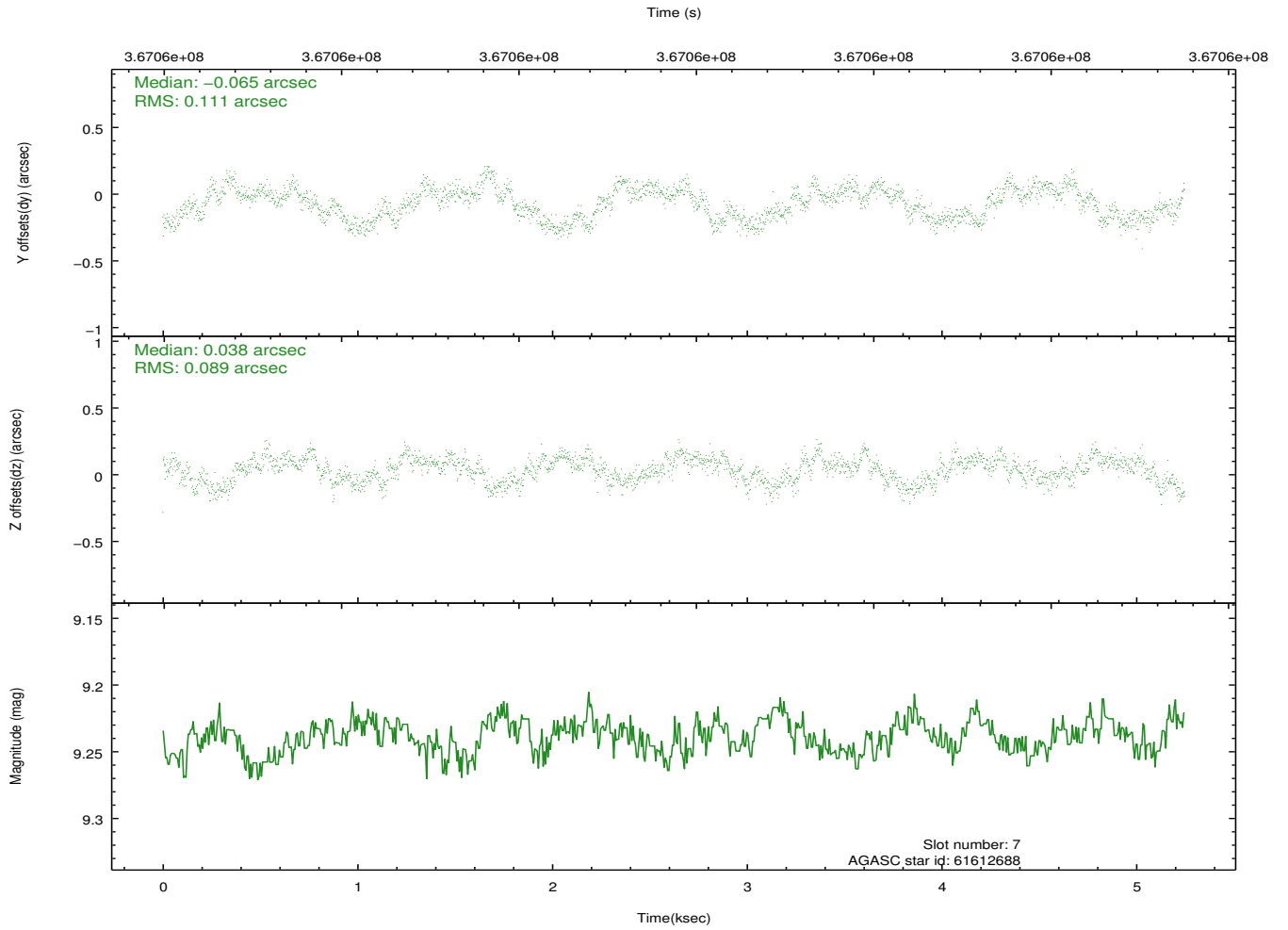
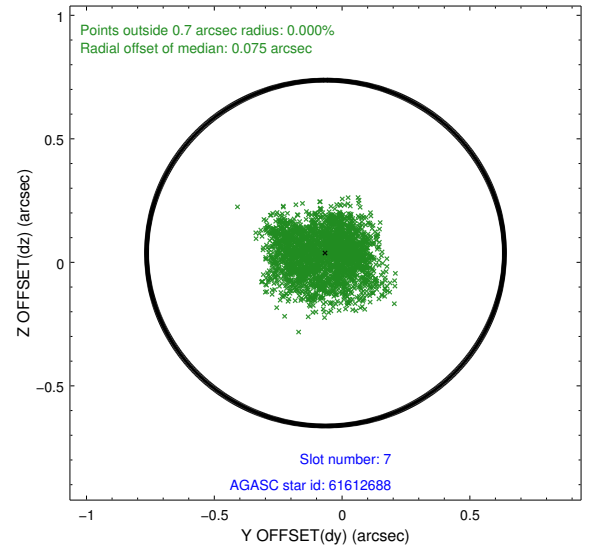
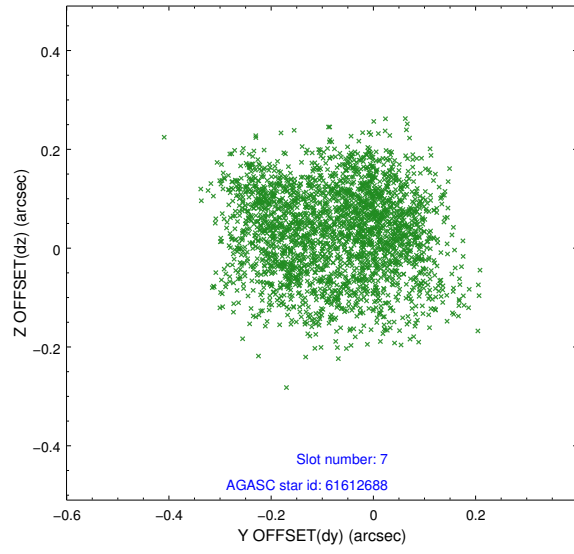
2.4.3 Slot 5



2.4.4 Slot 6

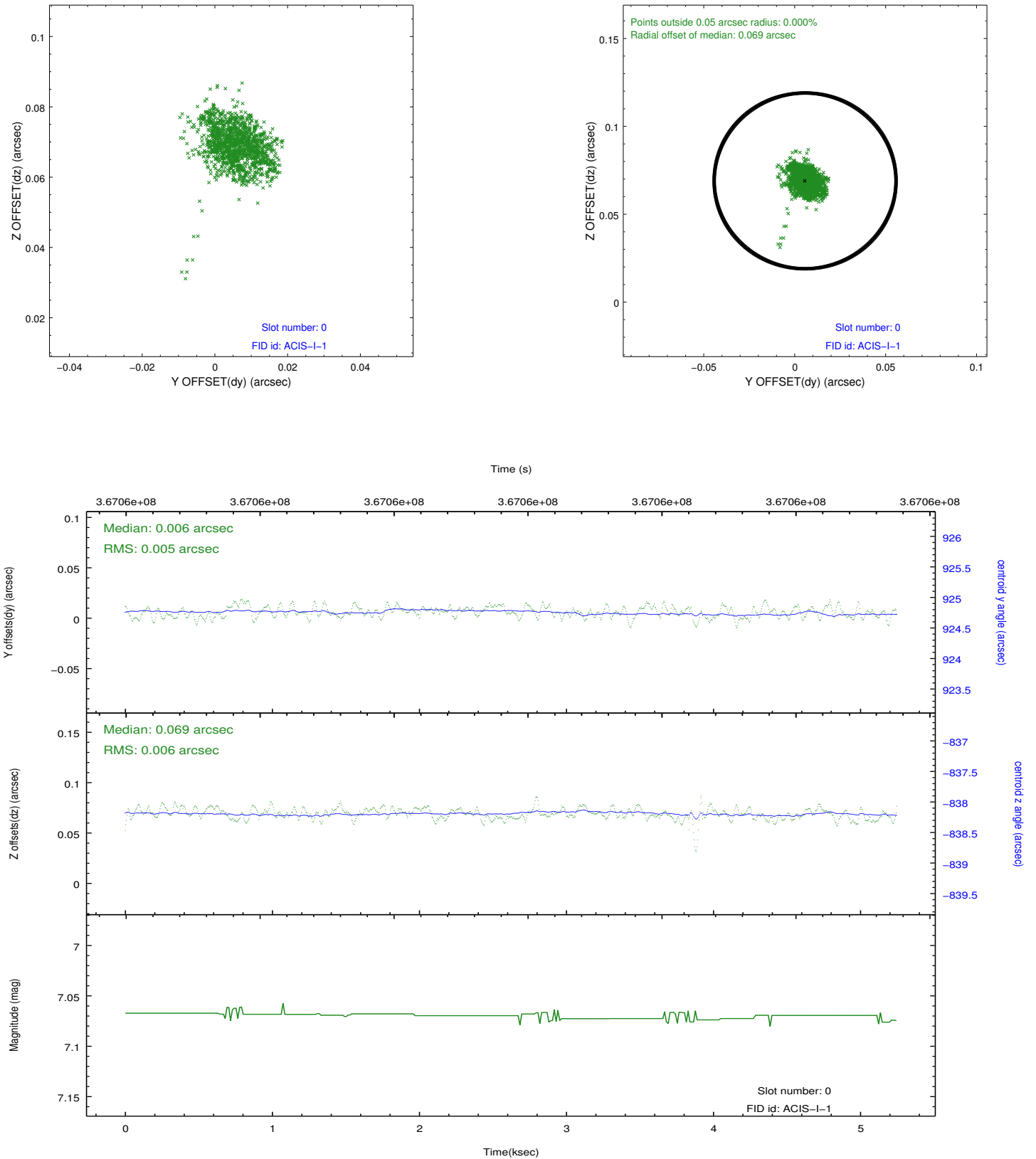


2.4.5 Slot 7

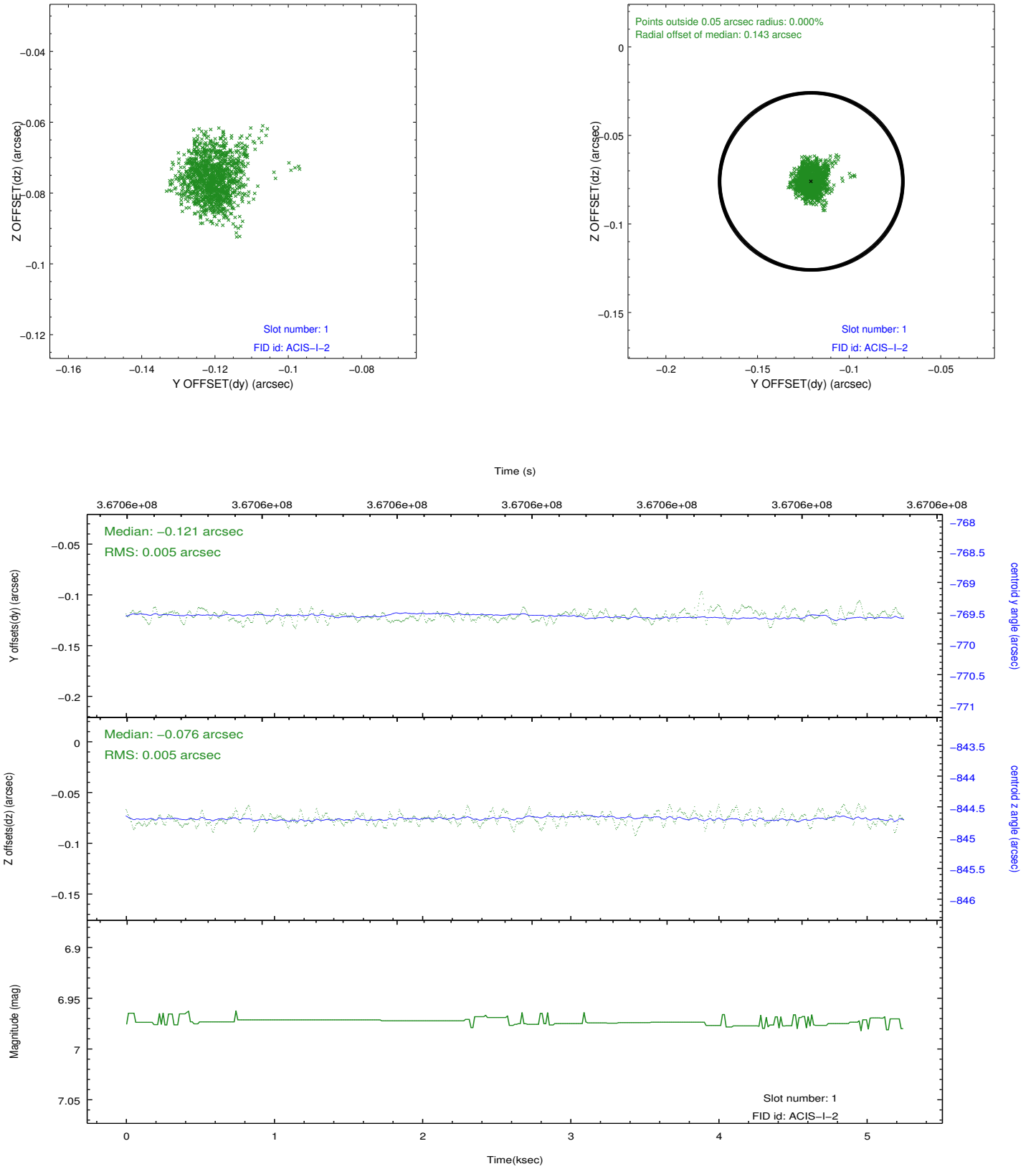


2.5 FID Slots

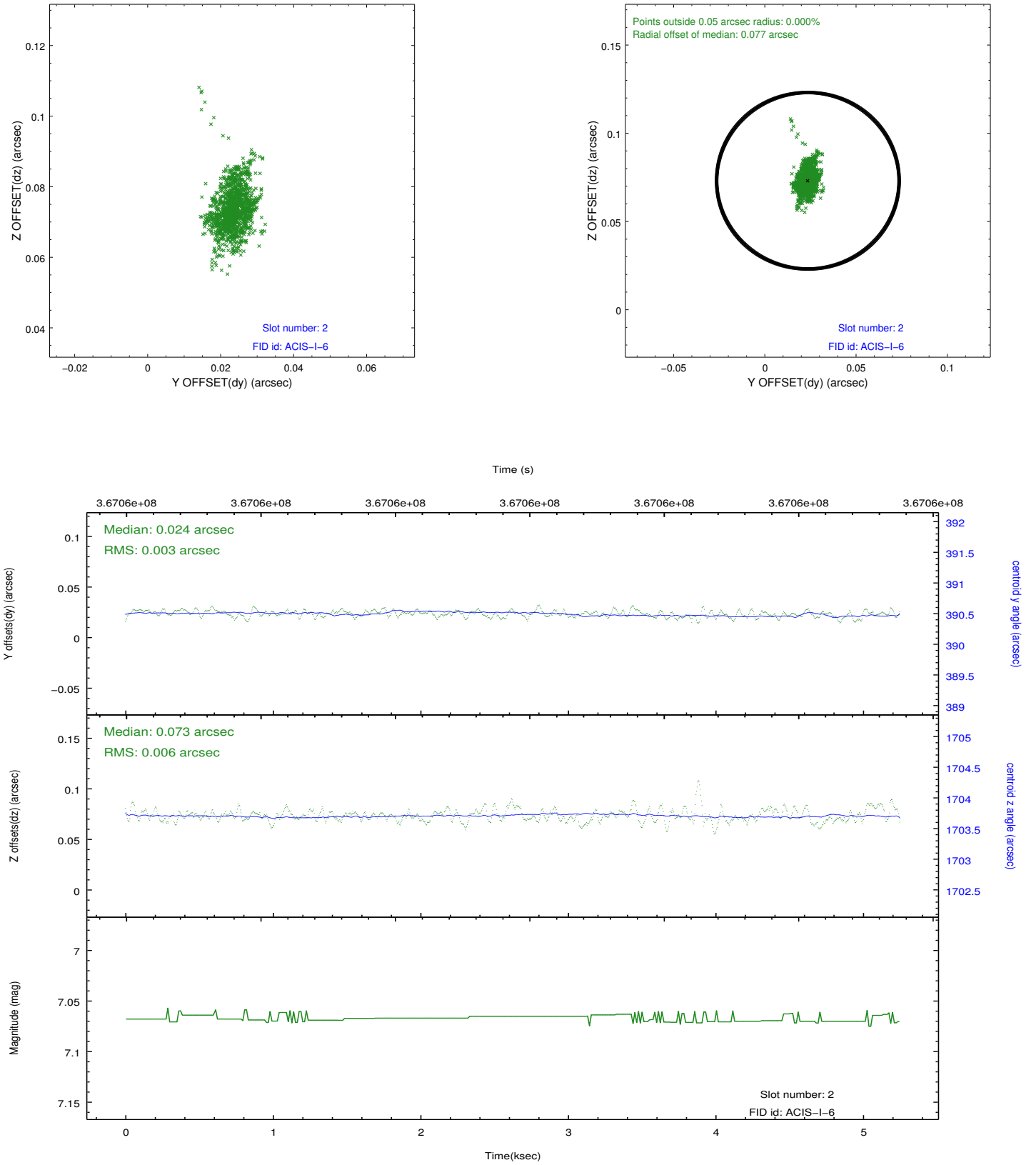
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0383999850154

A.2 Comments