

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9558 - L2 Version 2
Chandra X-Ray Center

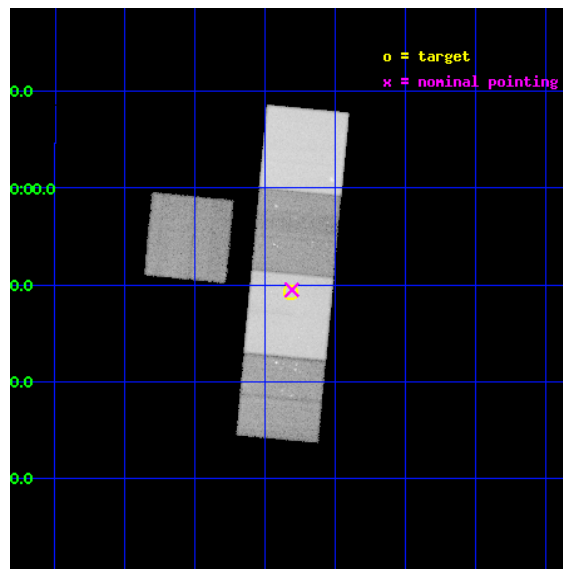
L2 Processing Date : May 10 2012

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1 Front

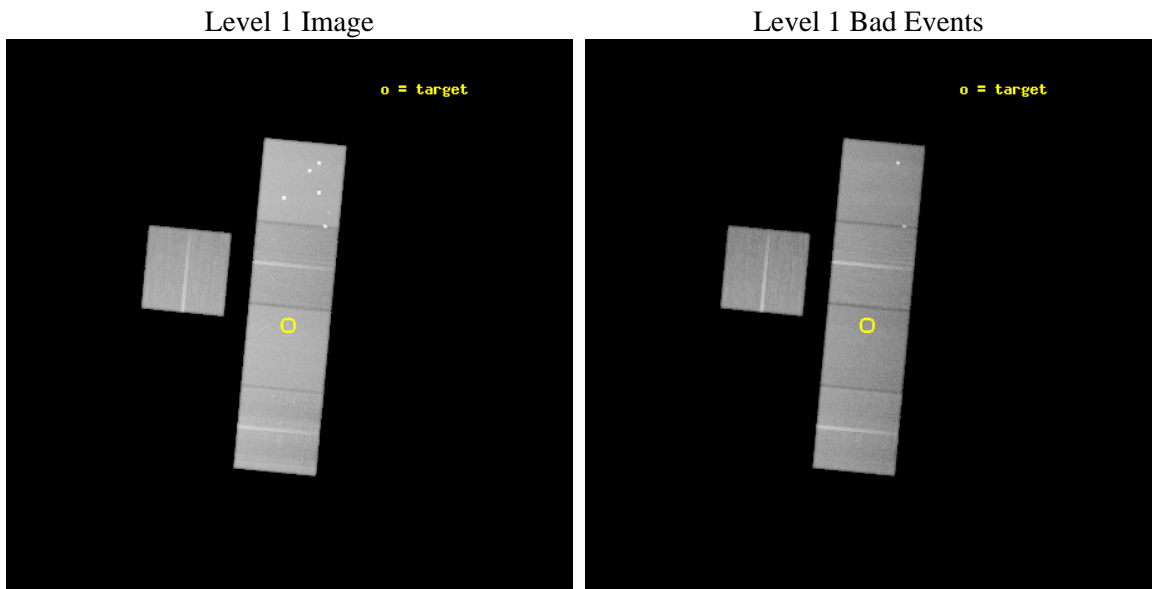
seq_num	600699	Sequence number
obs_id	9558	Observation id
title	Super starbursts	Proposal title
observer	Dr. Jonathan Gelbord	Principal investigator
object	2XMMp J123719.3+114915	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.330417	Observer's specified target RA [deg]
dec_targ	11.821083	Observer's specified target Dec [deg]
ra_nom	189.3274277775	Nominal RA [deg]
dec_nom	11.824940738228	Nominal Dec [deg]
roll_nom	95.377949424564	Nominal Roll [deg]
revision	2	Processing version of data
ontime	49445.000380278	Sum of GTIs [s]
livetime	48798.96504943	Livetime [s]
ontime2	49435.577379346	Sum of GTIs [s]
ontime5	49445.000380278	Sum of GTIs [s]
ontime6	49441.859370053	Sum of GTIs [s]
ontime7	49445.000380278	Sum of GTIs [s]
ontime8	49435.577439189	Sum of GTIs [s]
l2events	751344	Number of level 2 events



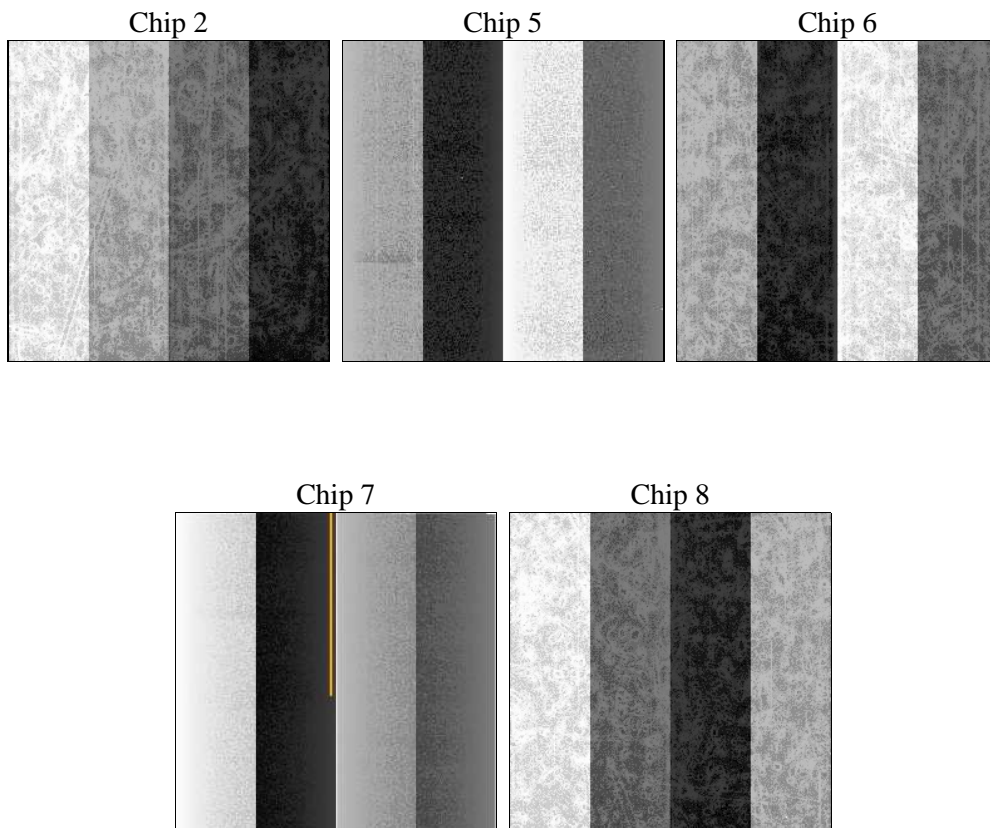
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	49319.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	49445.000380278	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	49435.577379346	Sum of GTIs [s]
date	2012-05-10T12:54:30	Date and time of file creation	ontime5	49445.000380278	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	49441.859370053	Sum of GTIs [s]
			ontime7	49445.000380278	Sum of GTIs [s]
			ontime8	49435.577439189	Sum of GTIs [s]
			l1events	3030866	Number of level 1 events

2.1.4 Events

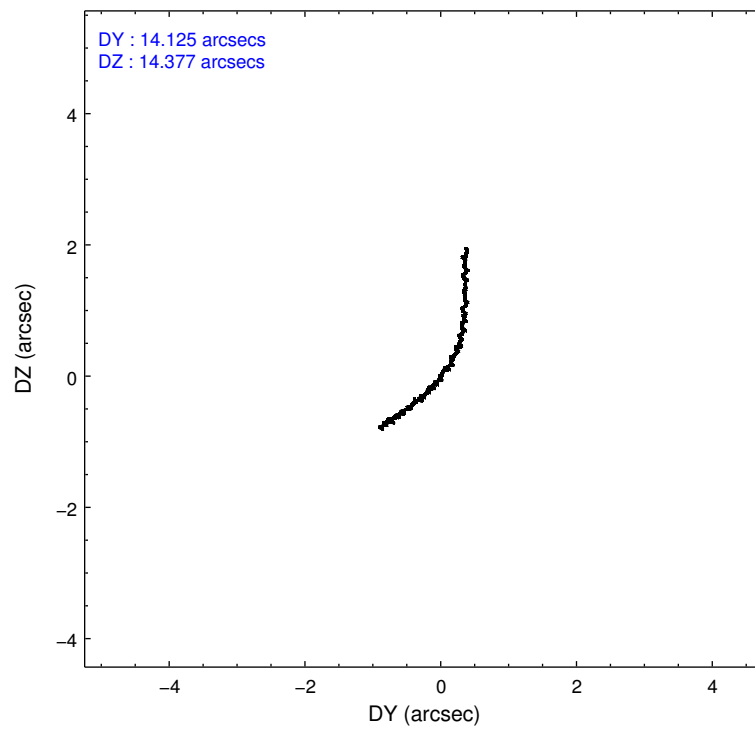
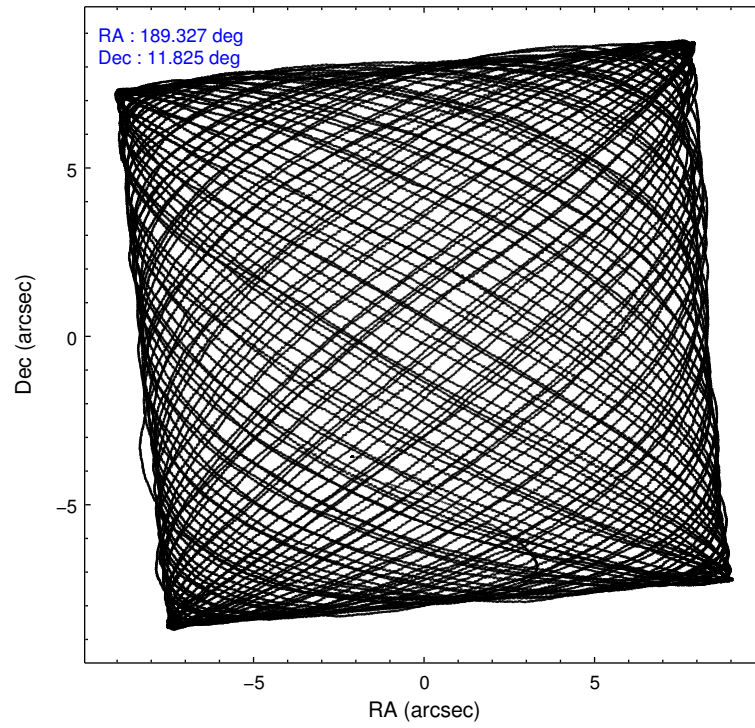
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	469296	780097	487085	671557	622831
rejected events	413385	408137	426261	393584	479671
rejected %	88%	52%	87%	58%	77%

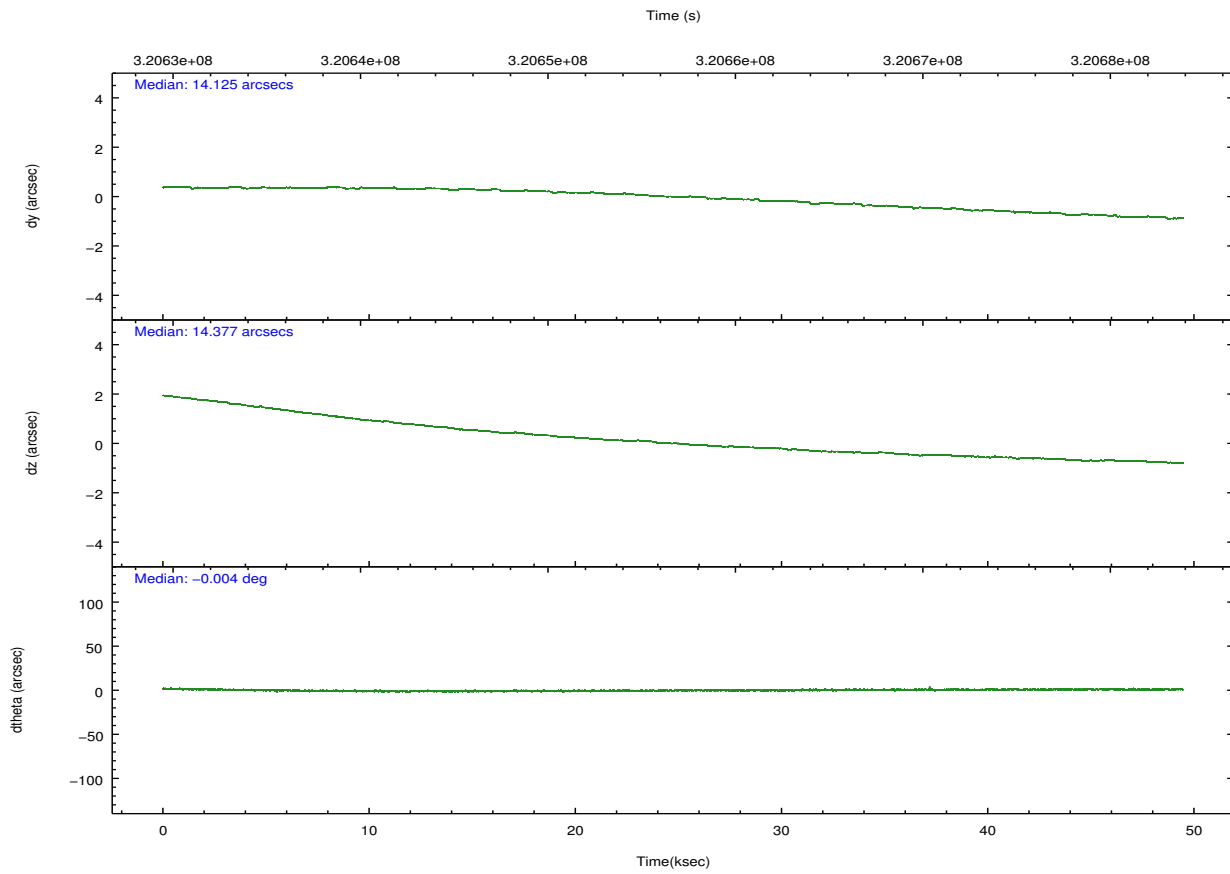
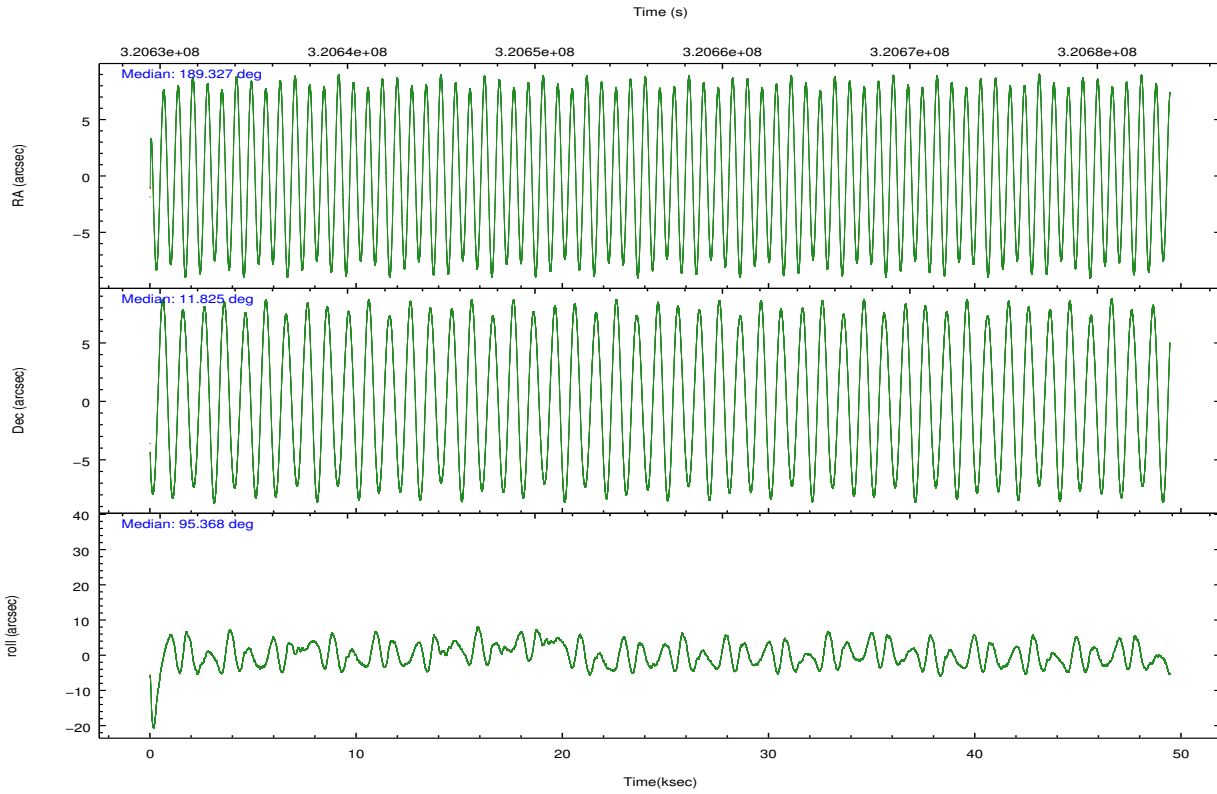
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	24658	59254	25076	25510	47442
	5%	7%	5%	3%	7%
grade 1 events	301	1570	269	737	499
	0%	0%	0%	0%	0%
grade 2 events	11841	107734	13237	57823	32262
	2%	13%	2%	8%	5%
grade 3 events	5315	13782	5657	24019	14792
	1%	1%	1%	3%	2%
grade 4 events	5264	12617	5329	23960	13687
	1%	1%	1%	3%	2%
grade 5 events	18781	54286	23069	62921	30893
	4%	6%	4%	9%	4%
grade 6 events	9429	182381	12172	149516	36253
	2%	23%	2%	22%	5%
grade 7 events	393707	348473	402276	327071	447003
	83%	44%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-25678	ACIS-25678	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	189.343910	189.327427777752	CCD I2 on	O1	Y
[deg] Pointing Dec	11.802874	11.82494073822831	CCD I3 on	N	N
[deg] Pointing Roll	95.217945	95.37794942456401	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O2	Y
[s] Observation start time (MET)	320632084.184000	320630858.75013	CCD S5 on	N	N
Observation start date	2008-02-29T00:26:59	2008-02-29T00:07:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	320681403.184000	320681557.30259	On-chip summing requested	N	N
Observation end date	2008-02-29T14:08:58	2008-02-29T14:12:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



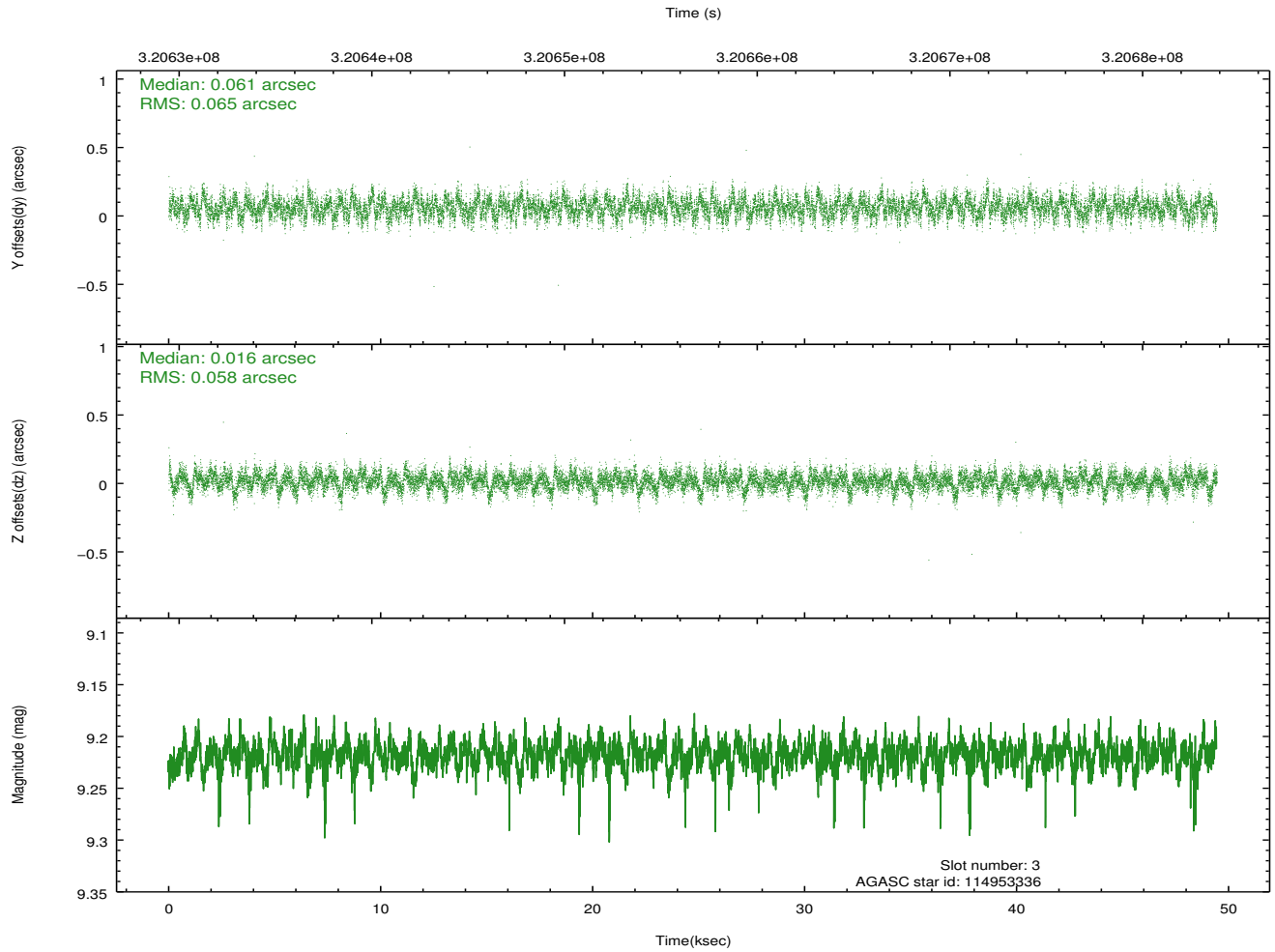
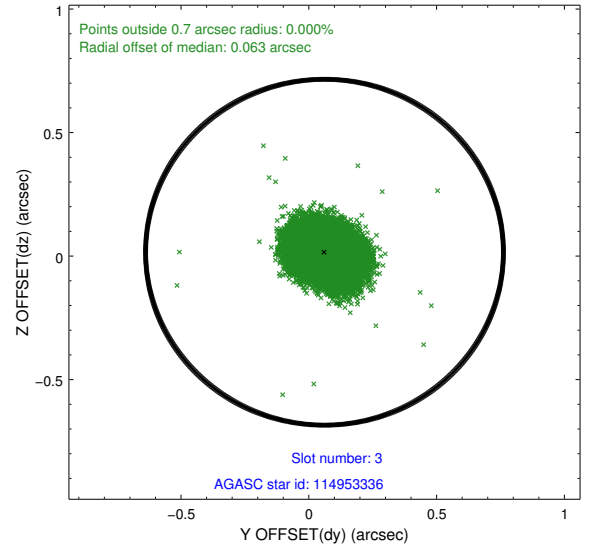
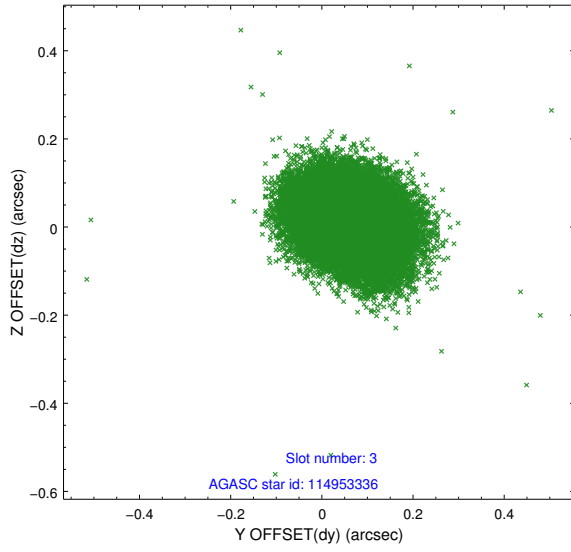


Slot Statistics

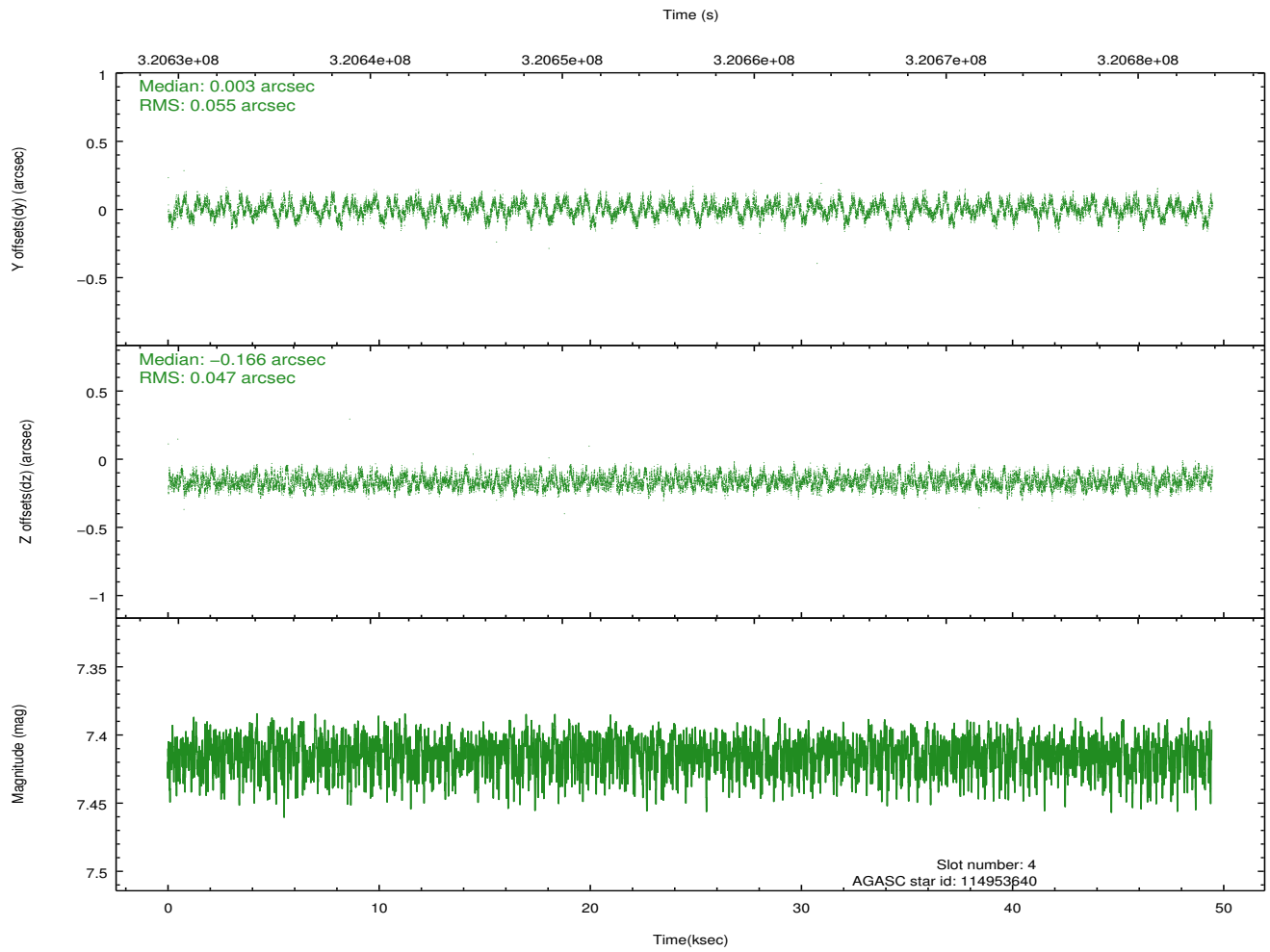
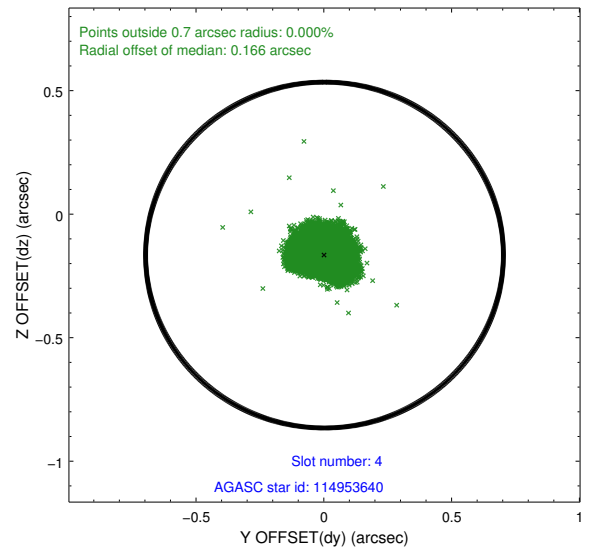
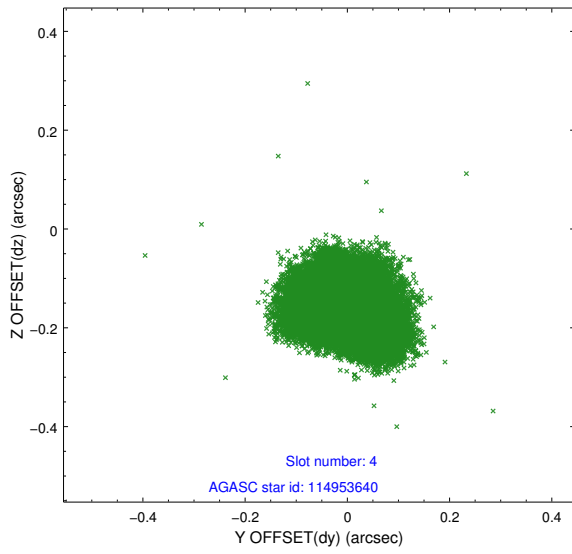
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12062	-0.072	-0.047	0.026	0.041	0.000000	0.000000	-767.04	-1735.93
1	FID	ACIS-S-4	7.19	12062	0.196	0.046	0.021	0.051	0.000000	0.000000	2146.49	172.66
2	FID	ACIS-S-5	7.23	12061	-0.153	0.010	0.020	0.027	0.000000	0.000000	-1820.00	166.27
3	GUIDE	114953336	9.22	24069	0.061	0.016	0.092	0.149	188.911176	11.326132	-1568.98	1677.19
4	GUIDE	114953640	7.41	24122	0.003	-0.166	0.080	0.120	188.794711	11.547726	-736.77	2012.48
5	GUIDE	115085768	9.91	23963	0.040	-0.025	0.178	0.266	189.167689	11.938344	542.64	574.02
6	GUIDE	115086528	8.93	24116	-0.033	-0.115	0.095	0.150	189.286111	12.182164	1378.58	78.61
7	GUIDE	115089520	9.60	24071	-0.082	0.285	0.170	0.253	189.892491	12.217562	1313.95	-2057.35

2.4 Star Slots

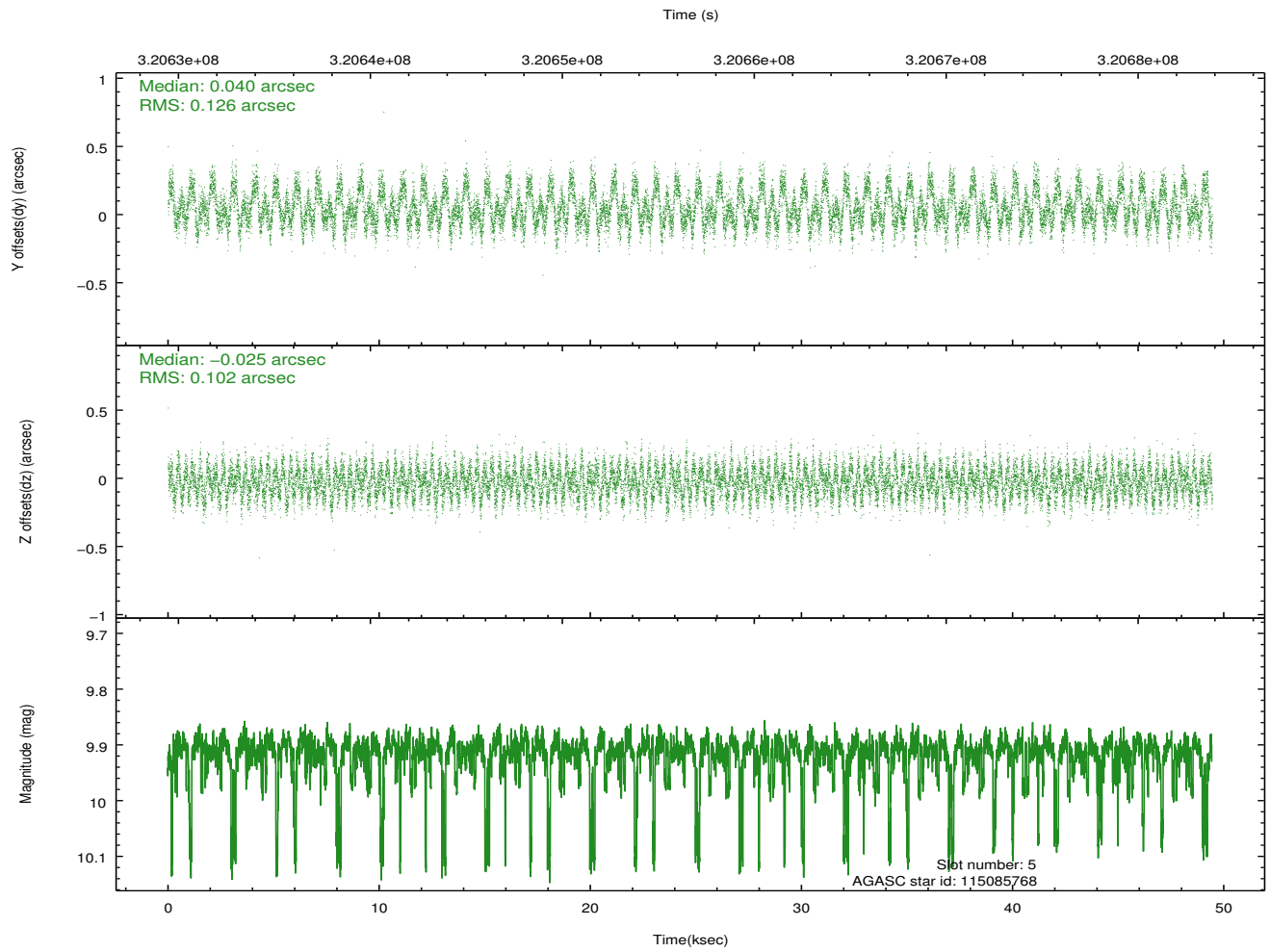
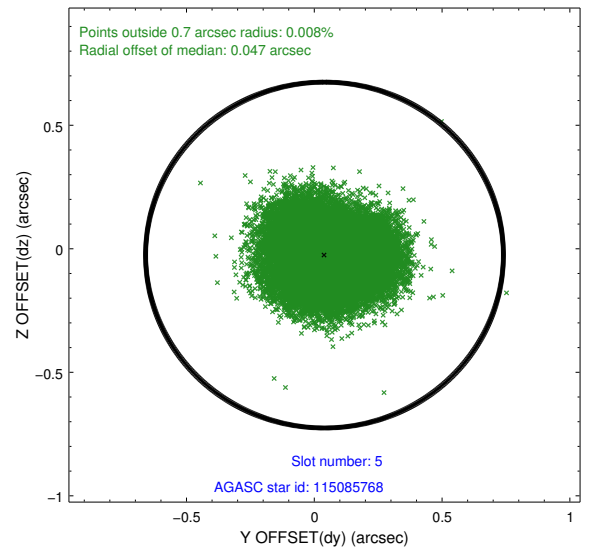
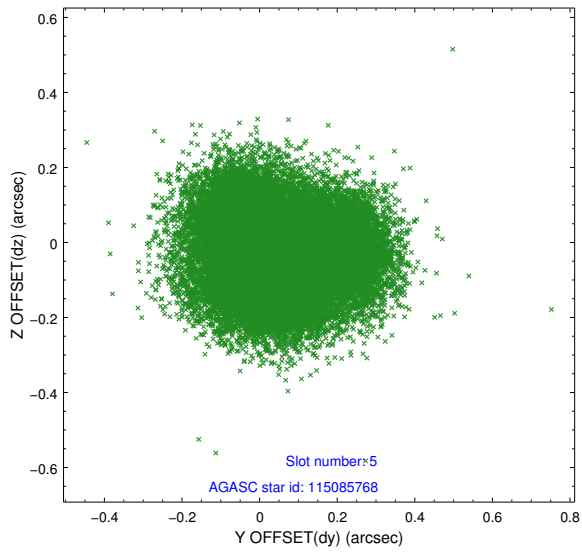
2.4.1 Slot 3



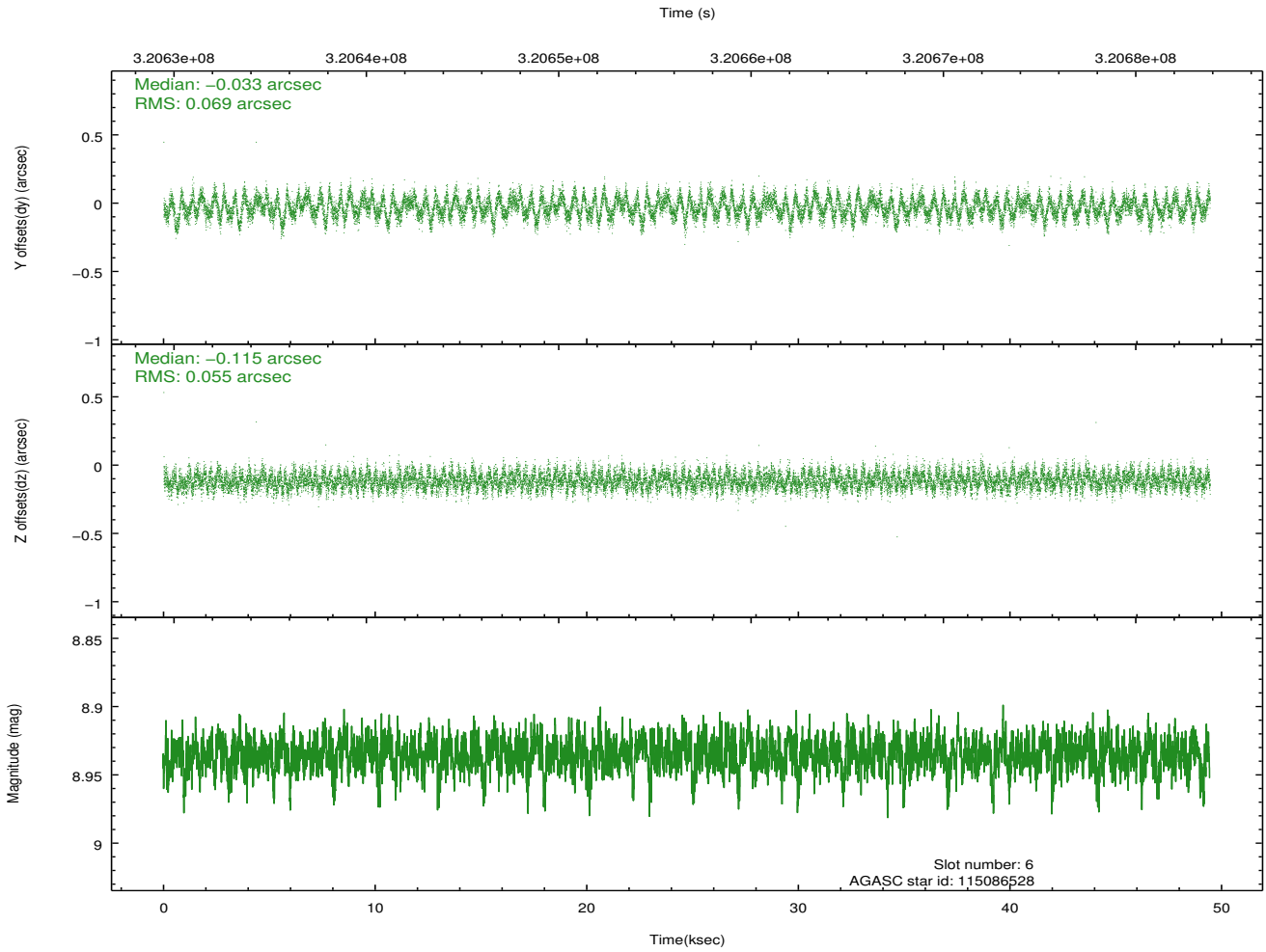
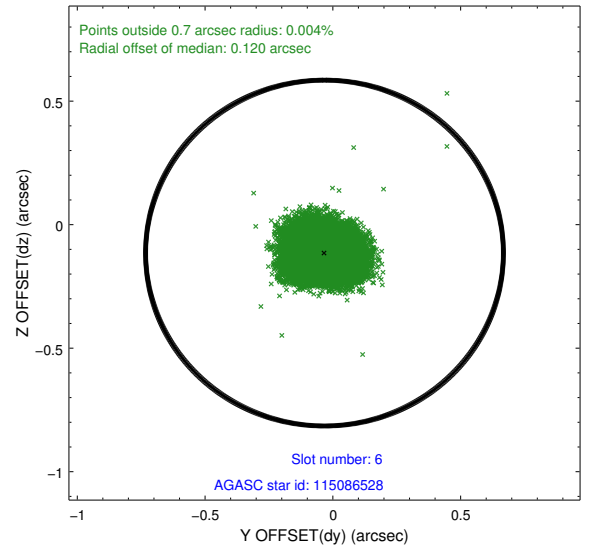
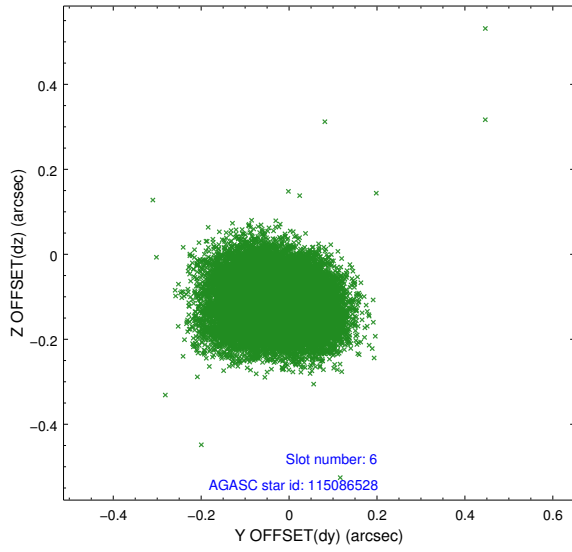
2.4.2 Slot 4



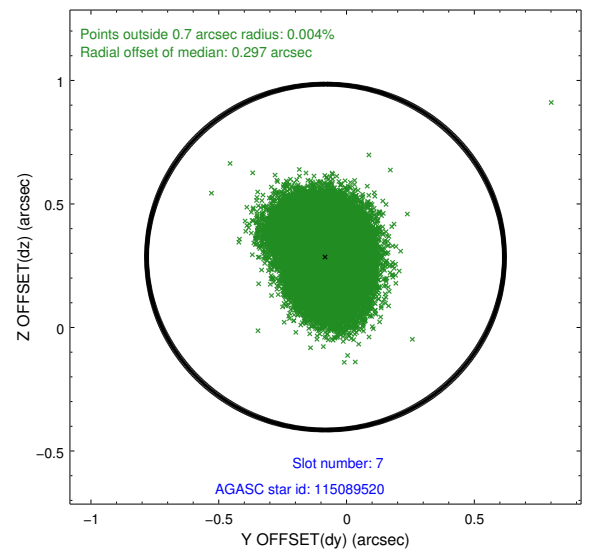
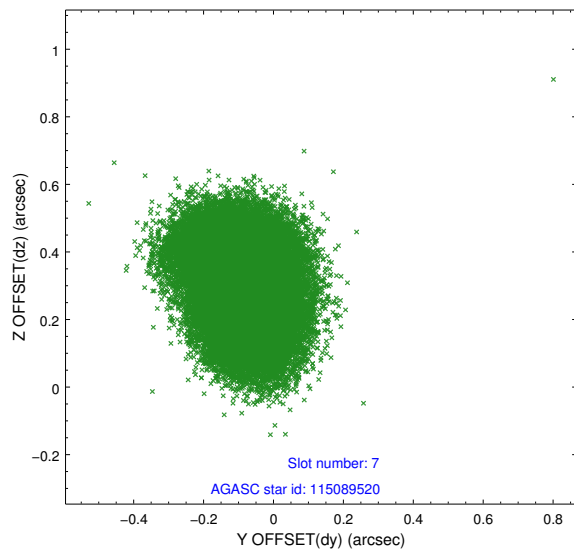
2.4.3 Slot 5



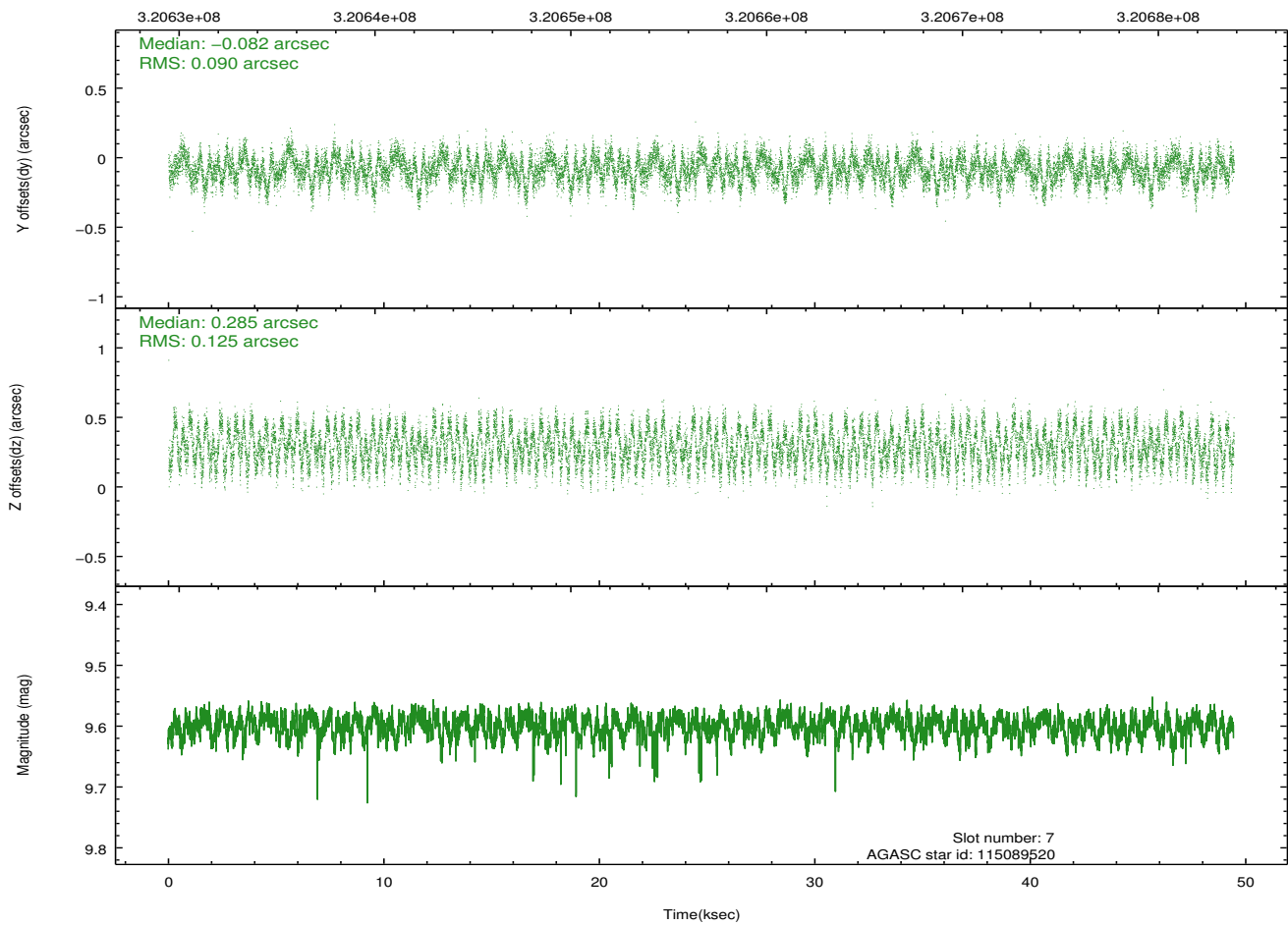
2.4.4 Slot 6



2.4.5 Slot 7

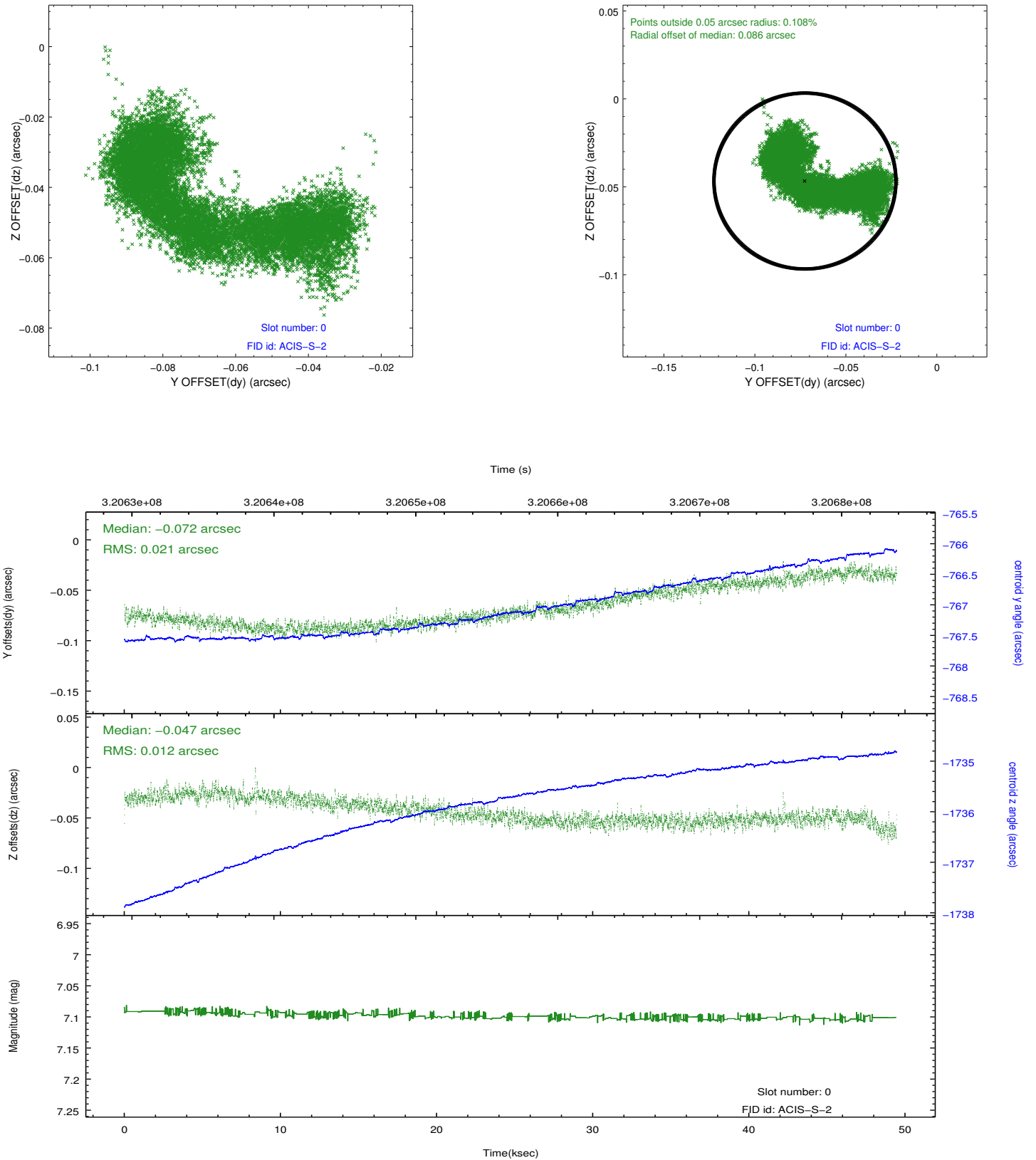


Time (s)

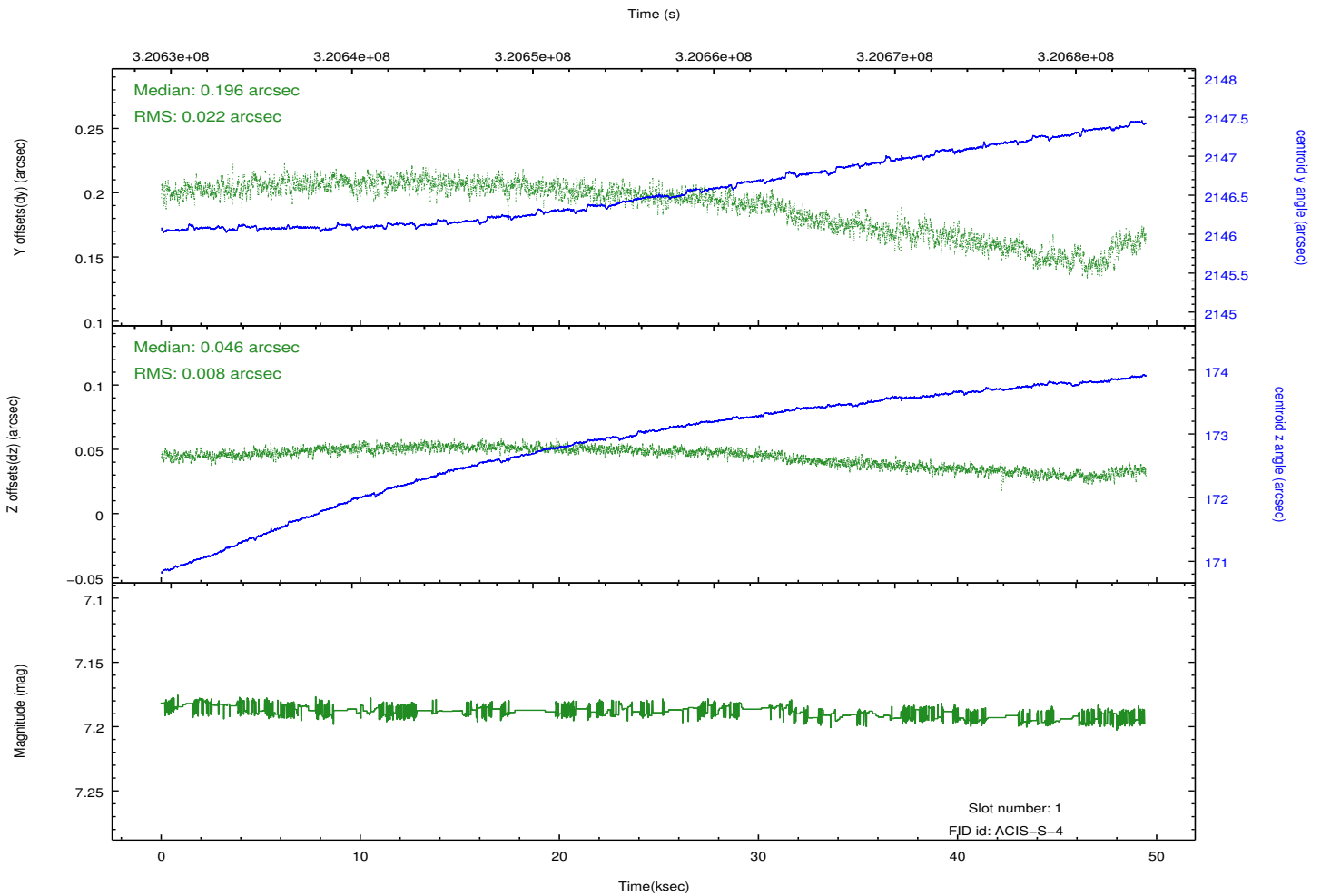
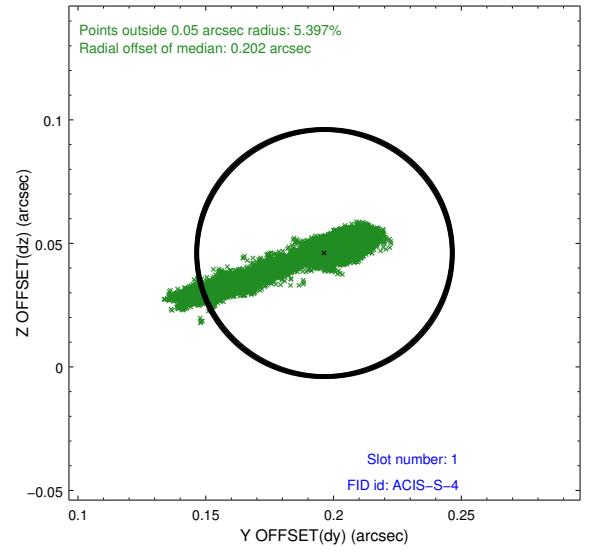
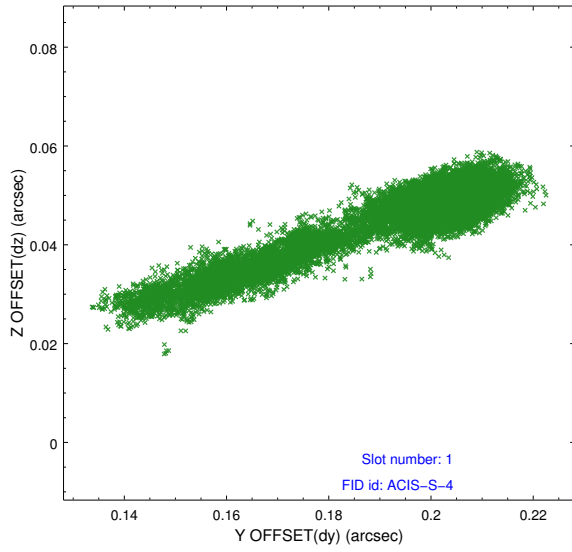


2.5 FID Slots

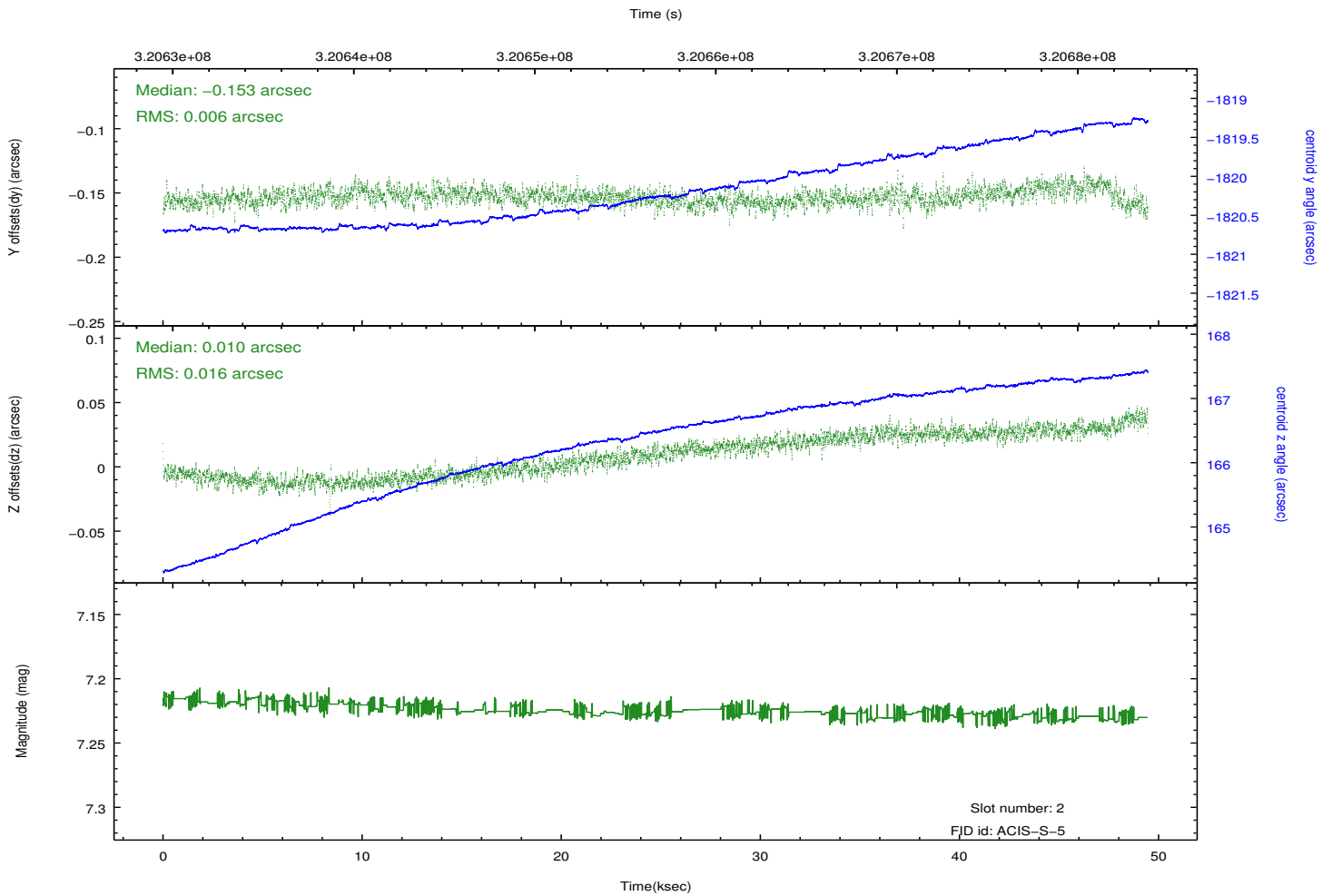
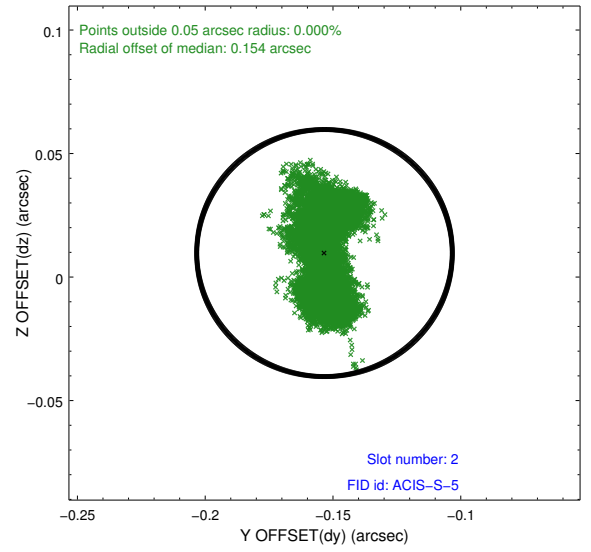
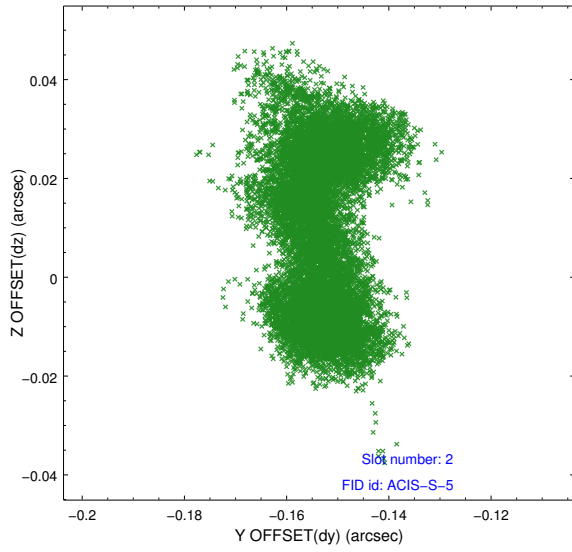
2.5.1 Slot 0



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)	2012.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.4450003

A.2 Comments