

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9594 - L2 Version 2
Chandra X-Ray Center

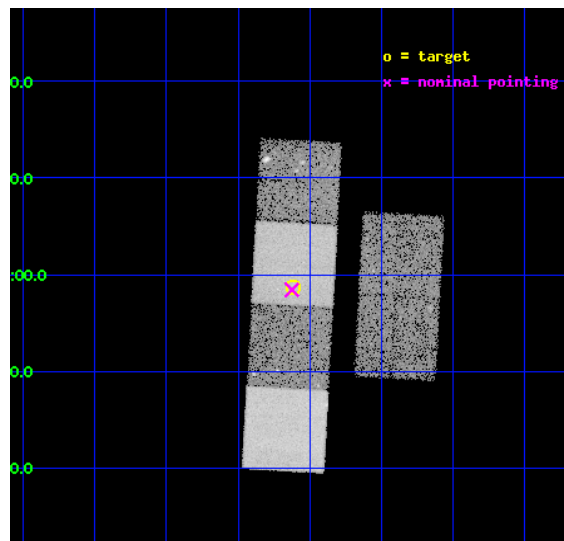
L2 Processing Date : May 1 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

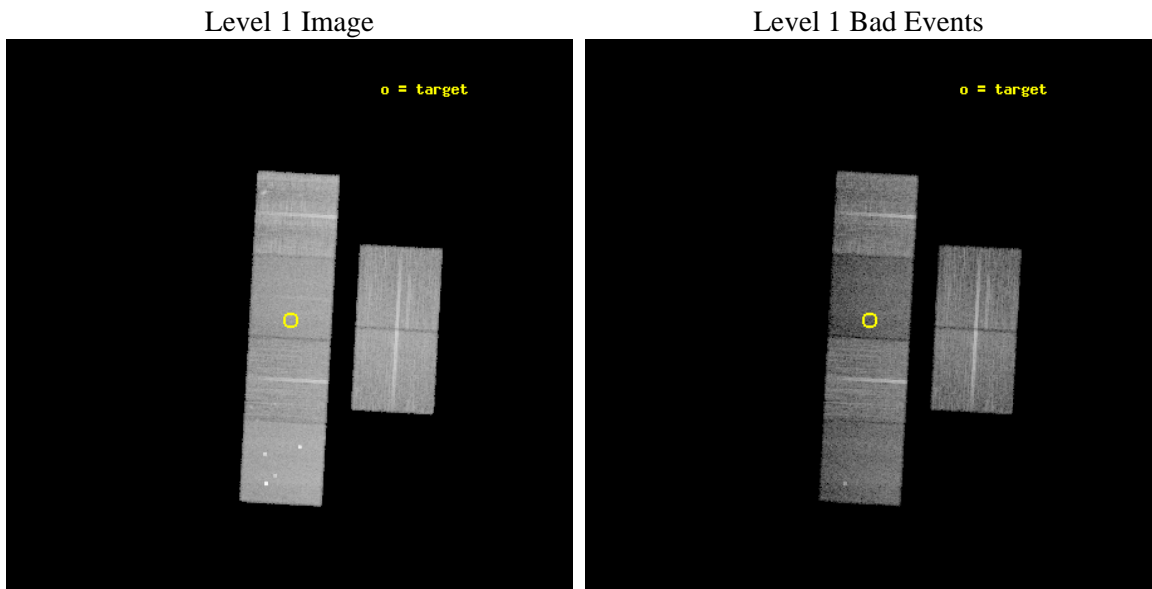
seq_num	600610	Sequence number
obs_id	9594	Observation id
title	The Galactic Generation-X: The First Study of the X-ray Properties of Massive E+A Galaxies	Proposal title
observer	Dr. Adrienne Juett	Principal investigator
object	SDSSJ225506.79+005839.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	343.778333	Observer's specified target RA [deg]
dec_targ	0.97775	Observer's specified target Dec [deg]
ra_nom	343.78114199263	Nominal RA [deg]
dec_nom	0.97377593381512	Nominal Dec [deg]
roll_nom	273.15658472093	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15177.599943519	Sum of GTIs [s]
livetime	14985.41203418	Livetime [s]
ontime2	15177.599943519	Sum of GTIs [s]
ontime3	15171.118032515	Sum of GTIs [s]
ontime5	15177.599943519	Sum of GTIs [s]
ontime6	15177.599943519	Sum of GTIs [s]
ontime7	15177.599943519	Sum of GTIs [s]
ontime8	15174.358943284	Sum of GTIs [s]
l2events	162013	Number of level 2 events



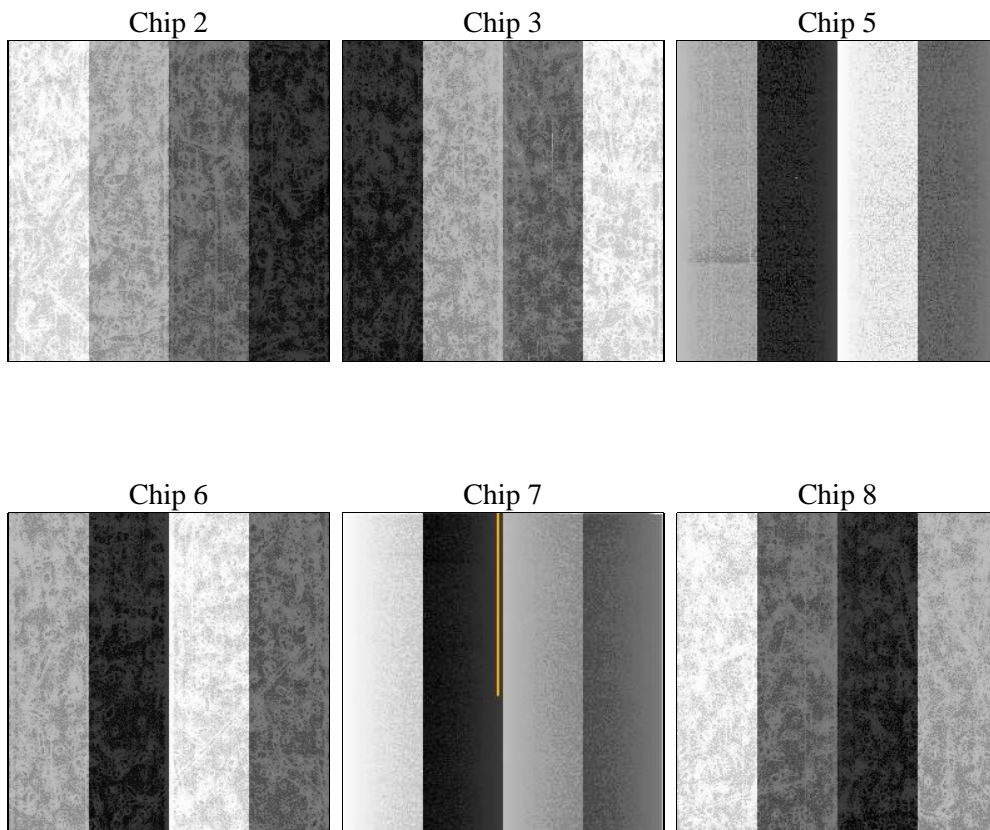
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15177.599943519	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15177.599943519	Sum of GTIs [s]
date	2012-05-01T22:06:02	Date and time of file creation	ontime3	15171.118032515	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15177.599943519	Sum of GTIs [s]
			ontime6	15177.599943519	Sum of GTIs [s]
			ontime7	15177.599943519	Sum of GTIs [s]
			ontime8	15174.358943284	Sum of GTIs [s]
			l1events	754278	Number of level 1 events

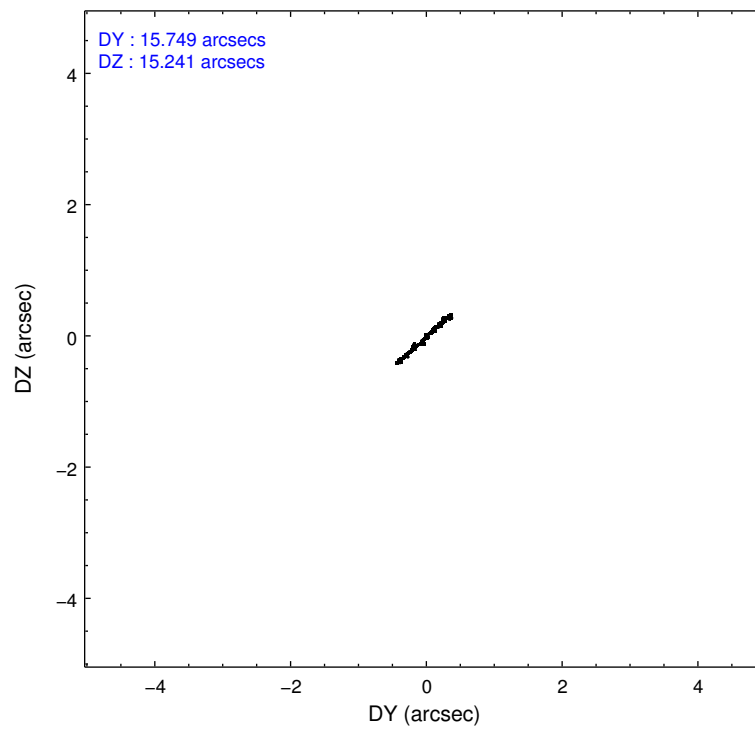
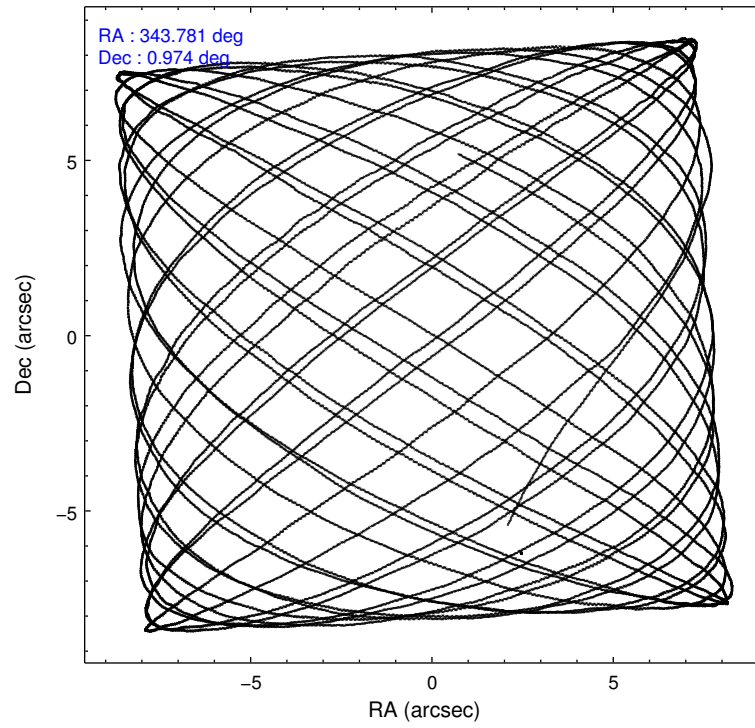
2.1.4 Events

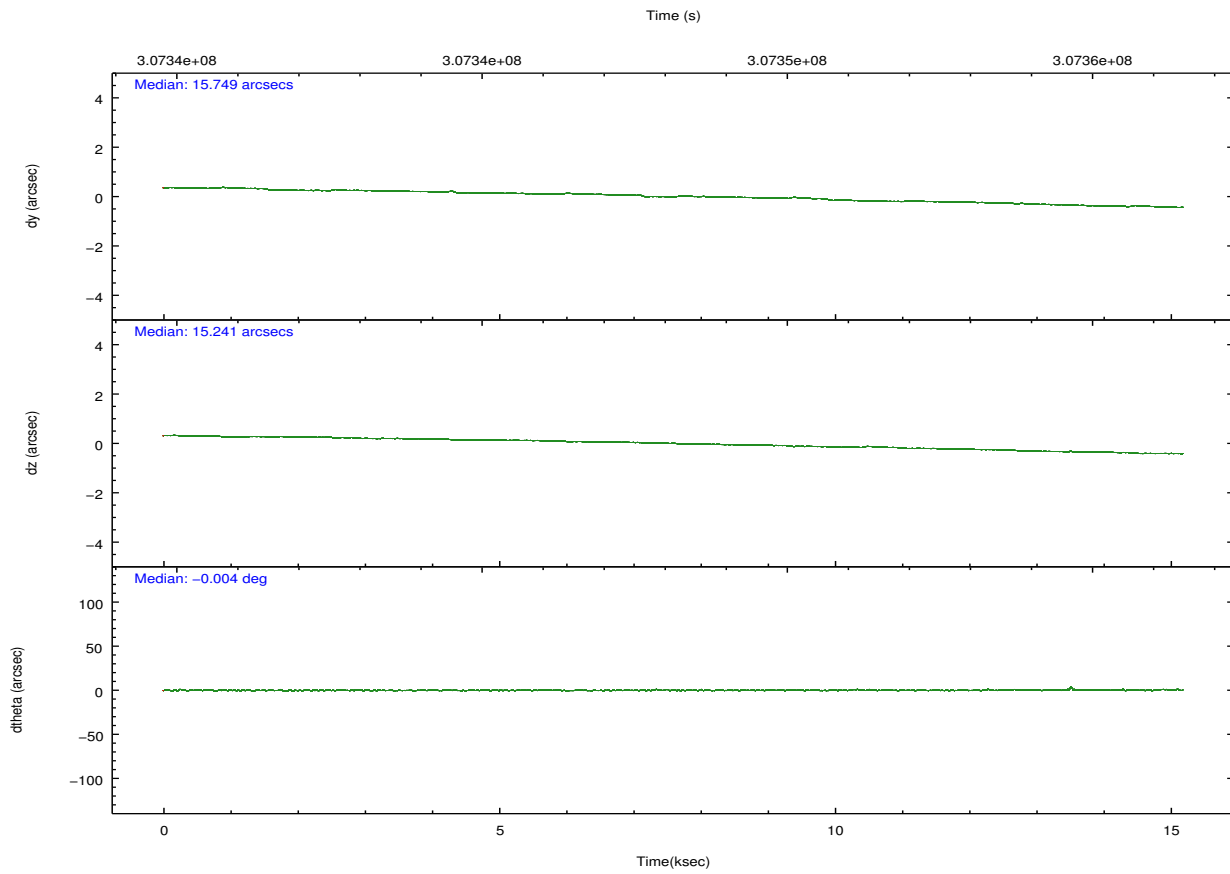
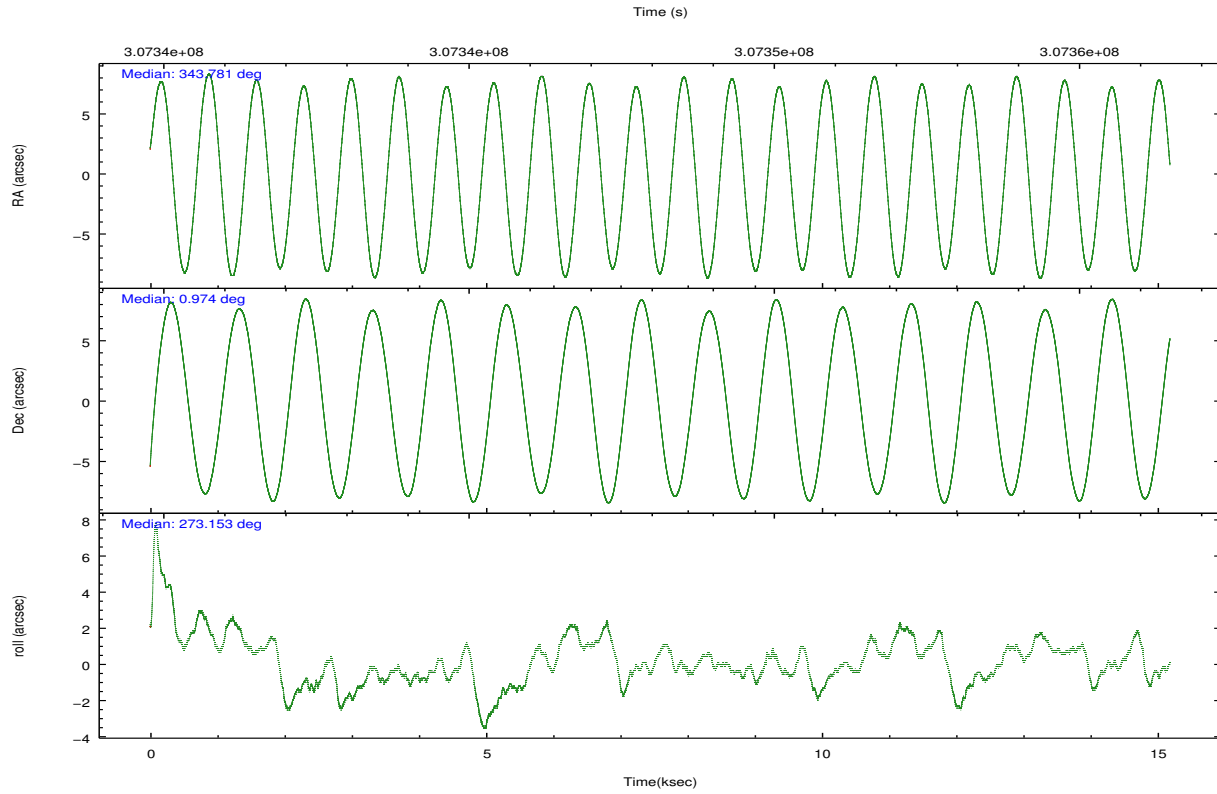
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	122170	110751	150799	116572	110315	143671	grade 0 events	4112	3749	13347	4495	5568	10643
rejected events	111439	100639	68541	104679	56215	106755		3%	3%	8%	3%	5%	7%
rejected %	91%	90%	45%	89%	50%	74%	grade 1 events	79	67	340	66	169	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	2689	2234	24755	2654	11632	8744
								2%	2%	16%	2%	10%	6%
							grade 3 events	1083	1136	3569	1225	5292	3857
								0%	1%	2%	1%	4%	2%
							grade 4 events	1175	1155	3306	1276	5093	3663
								0%	1%	2%	1%	4%	2%
							grade 5 events	3224	3876	11701	3852	11805	5901
								2%	3%	7%	3%	10%	4%
							grade 6 events	1811	1956	38314	2407	27272	10425
								1%	1%	25%	2%	24%	7%
							grade 7 events	107997	96578	55467	100597	43484	100334
								88%	87%	36%	86%	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	343.765840	343.7811419926287	CCD I2 on	O2	Y
[deg] Pointing Dec	0.996454	0.9737759338151183	CCD I3 on	O3	Y
[deg] Pointing Roll	273.000223	273.156584720933	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O5	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	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	O1	Y
[s] Observation start time (MET)	307340718.184000	307339549.34478	CCD S5 on	N	N
Observation start date	2007-09-28T04:24:13	2007-09-28T04:05:49	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	307355718.184000	307355851.45807	On-chip summing requested	N	N
Observation end date	2007-09-28T08:34:13	2007-09-28T08:37:31	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



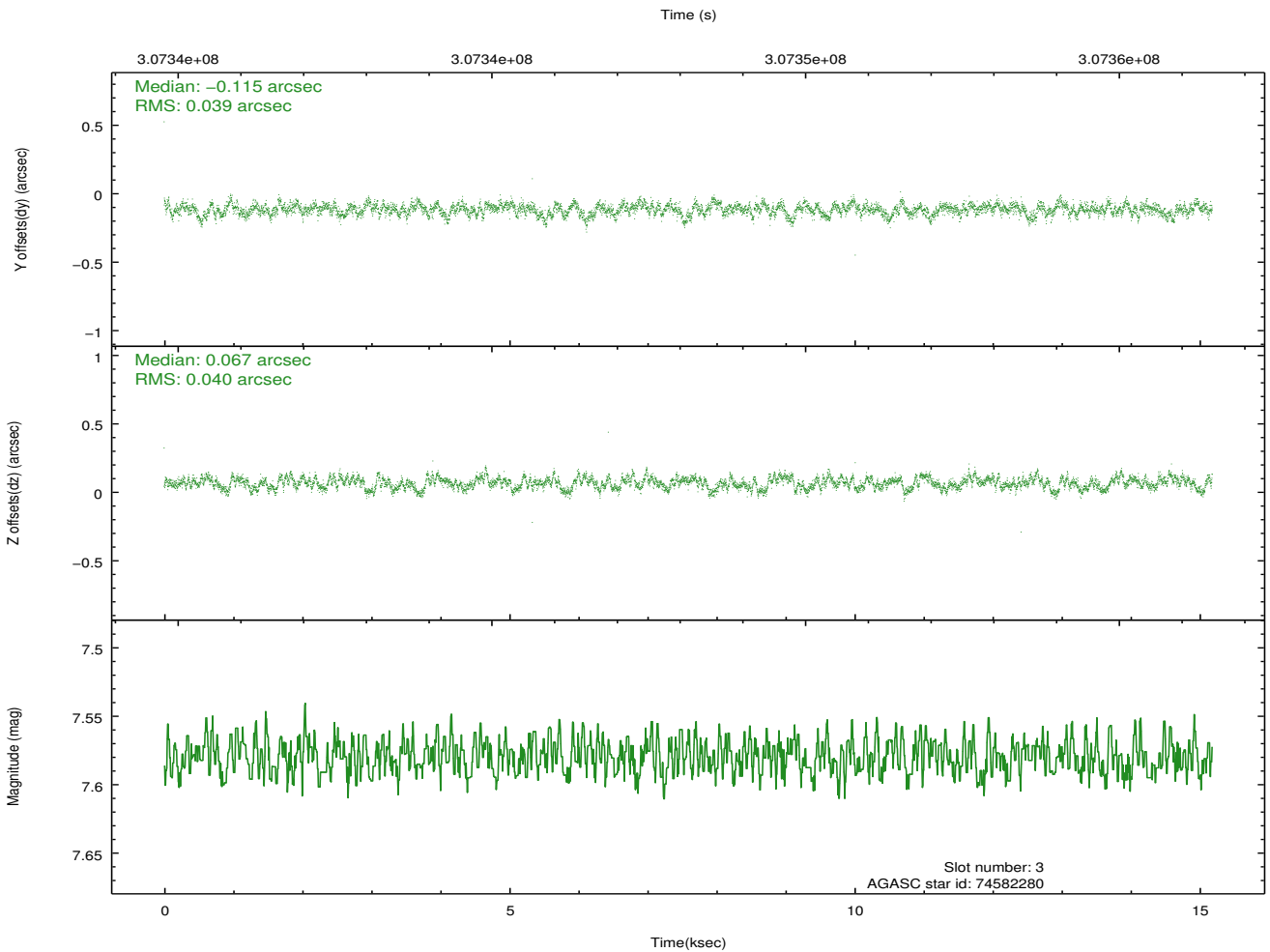
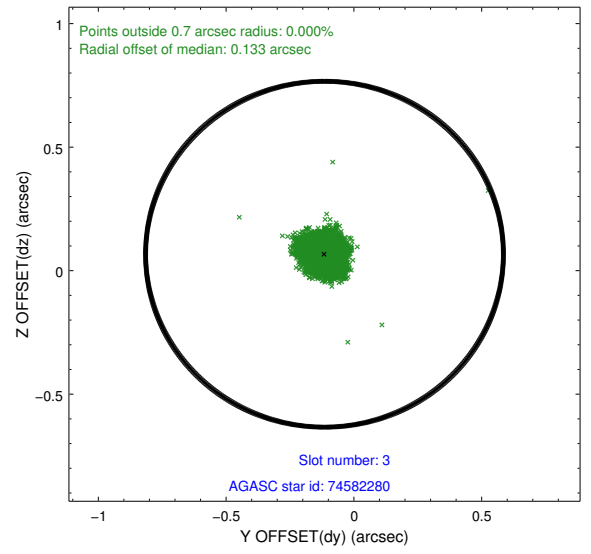
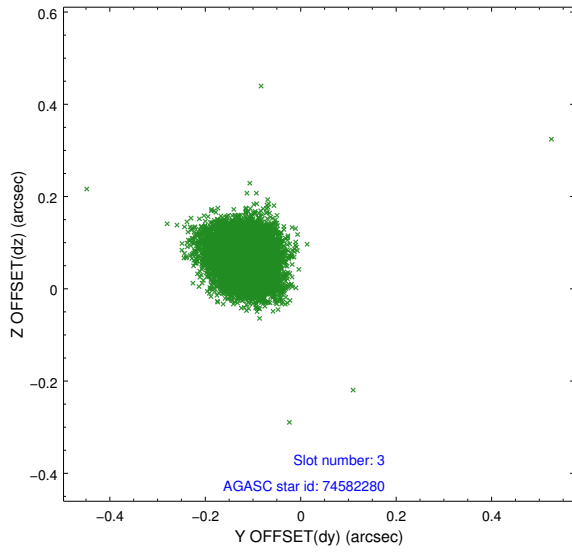


Slot Statistics

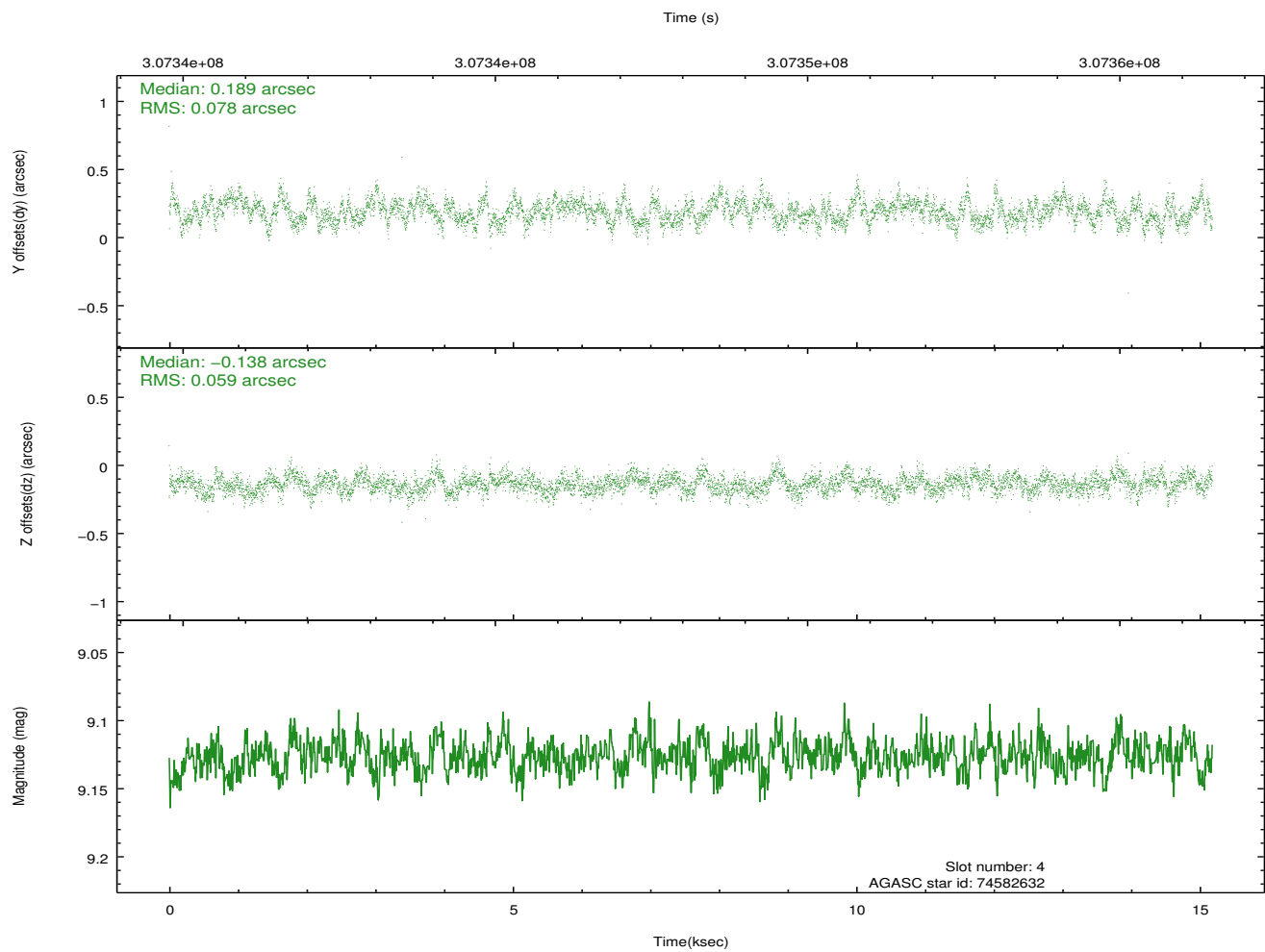
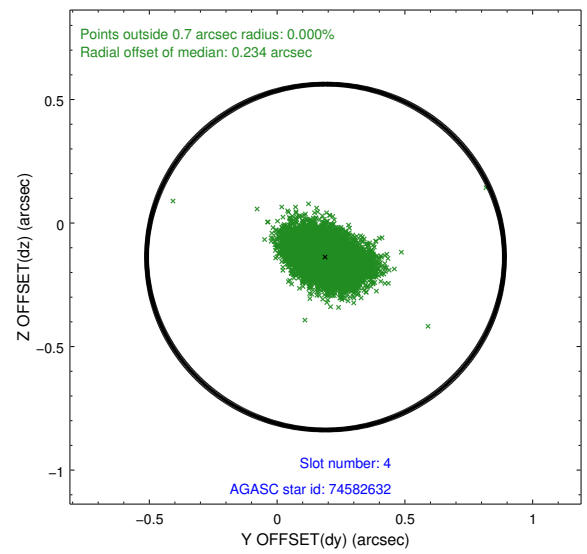
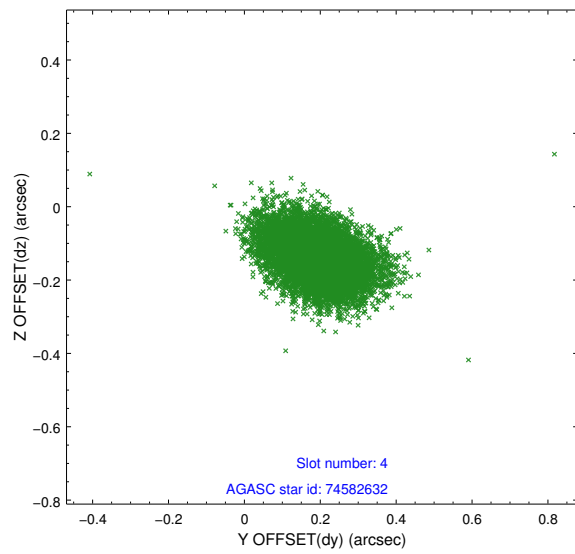
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3704	-0.107	-0.025	0.008	0.013	0.000000	0.000000	-768.83	-1736.63
1	FID	ACIS-S-4	7.19	3702	0.194	0.058	0.009	0.015	0.000000	0.000000	2144.60	171.63
2	FID	ACIS-S-5	7.22	3704	-0.118	-0.025	0.009	0.014	0.000000	0.000000	-1821.31	165.55
3	GUIDE	74582280	7.58	7407	-0.115	0.067	0.059	0.094	343.559422	0.415131	2051.50	-851.47
4	GUIDE	74582632	9.13	7400	0.189	-0.138	0.104	0.171	343.142266	0.483507	1727.57	-2338.44
5	GUIDE	74584320	10.41	7389	-0.113	0.037	0.182	0.297	343.190927	1.501706	-1924.17	-1971.35
6	GUIDE	74584376	9.65	7397	0.080	0.097	0.115	0.193	343.296354	1.245745	-984.42	-1640.58
7	GUIDE	74592232	8.52	7402	-0.038	-0.066	0.078	0.126	344.219817	0.890541	466.01	1612.29

2.4 Star Slots

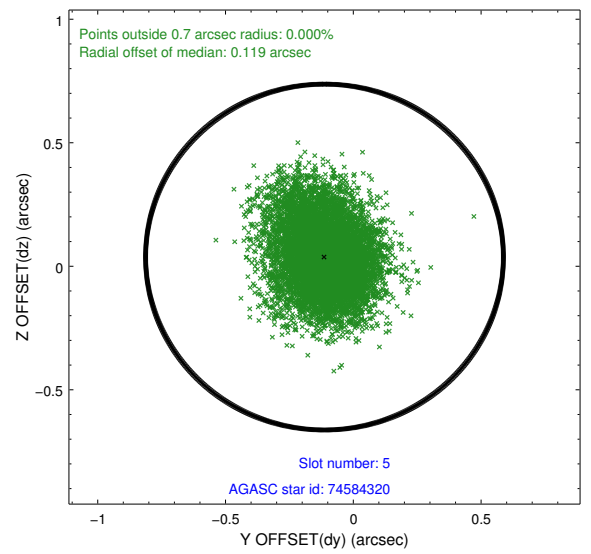
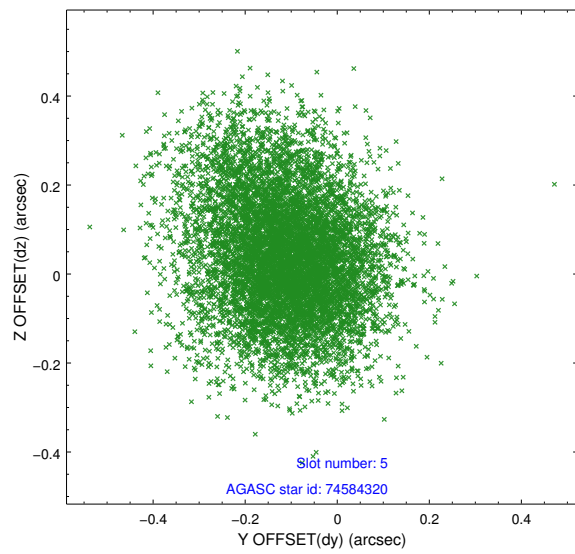
2.4.1 Slot 3



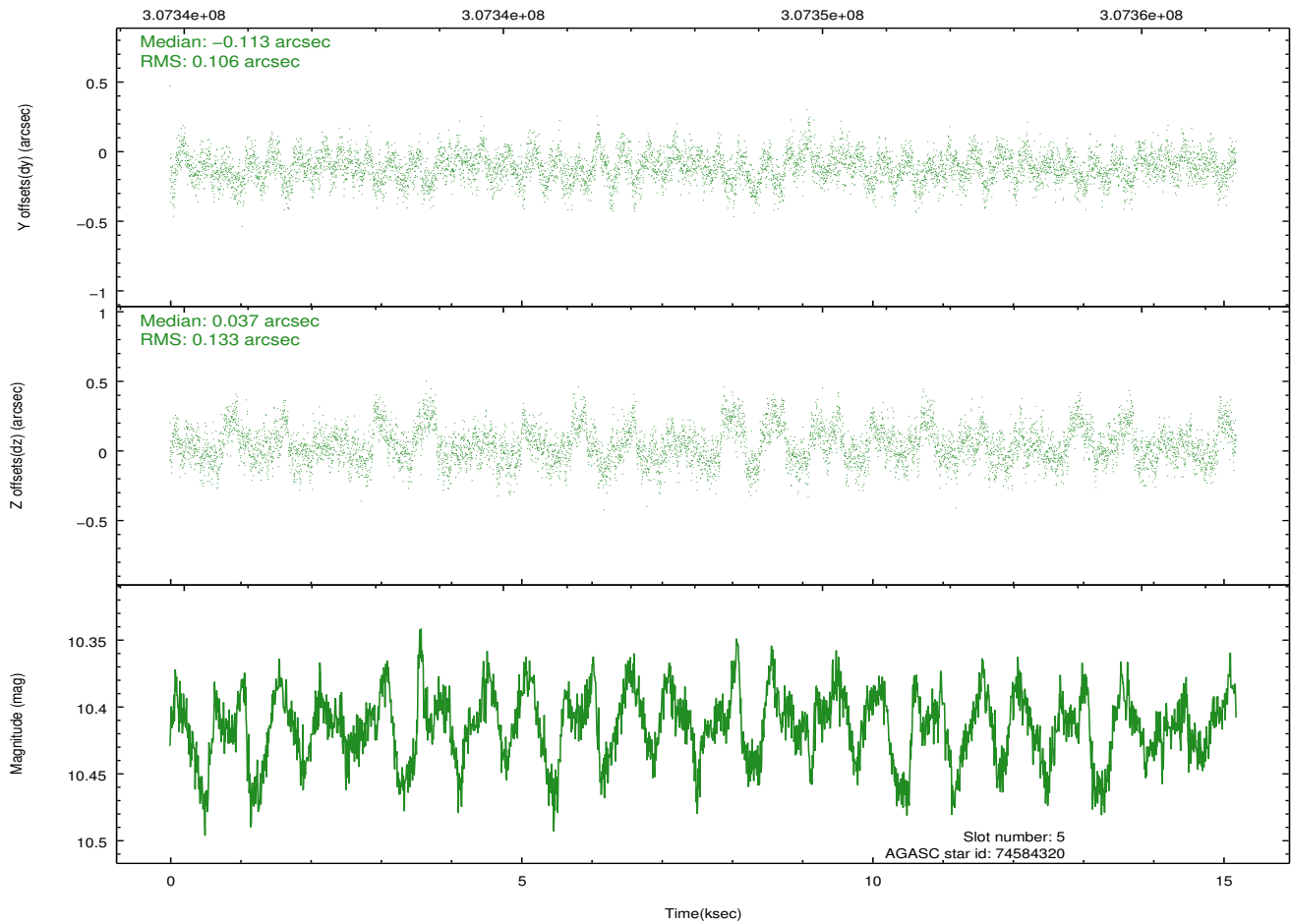
2.4.2 Slot 4



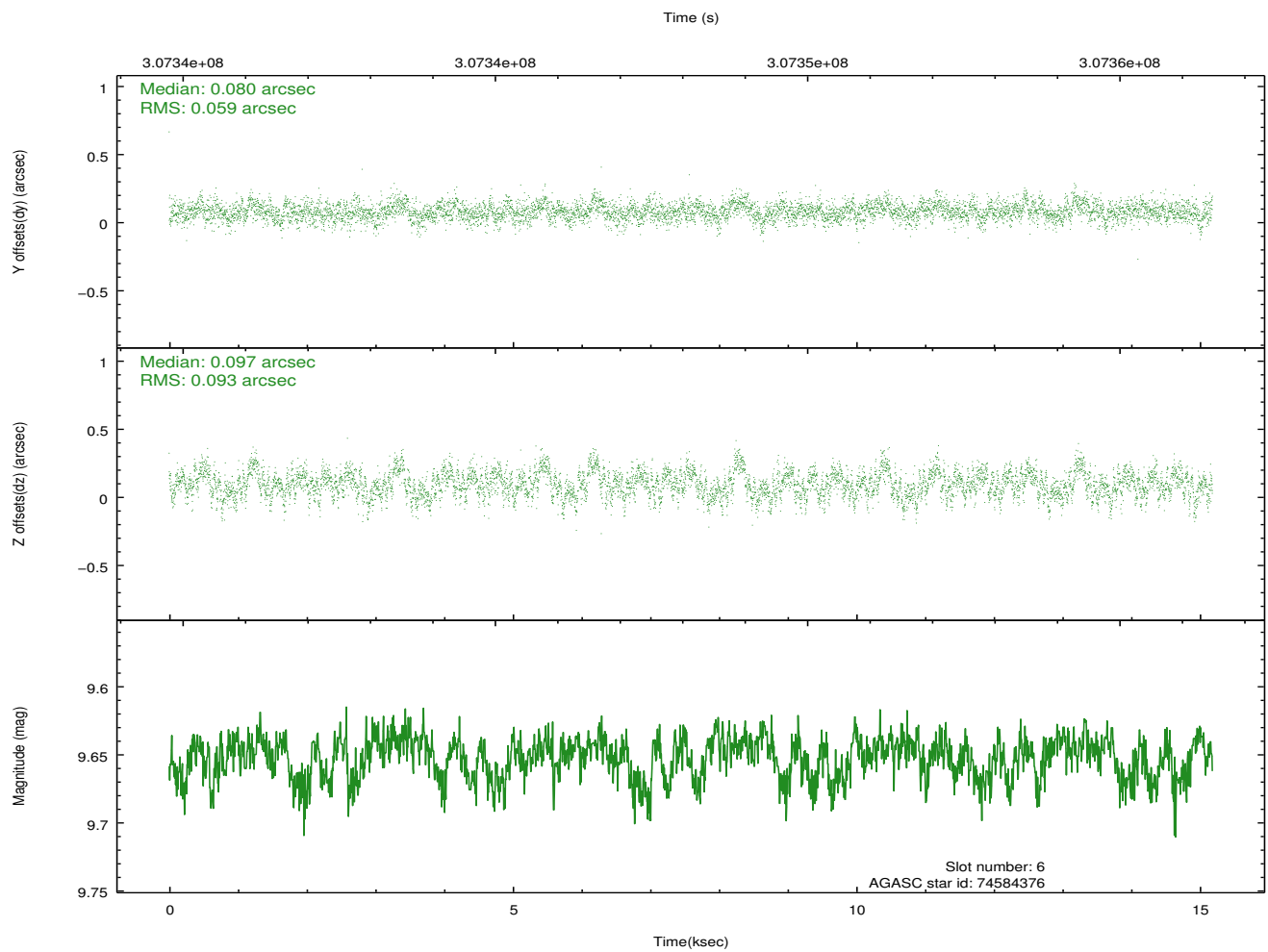
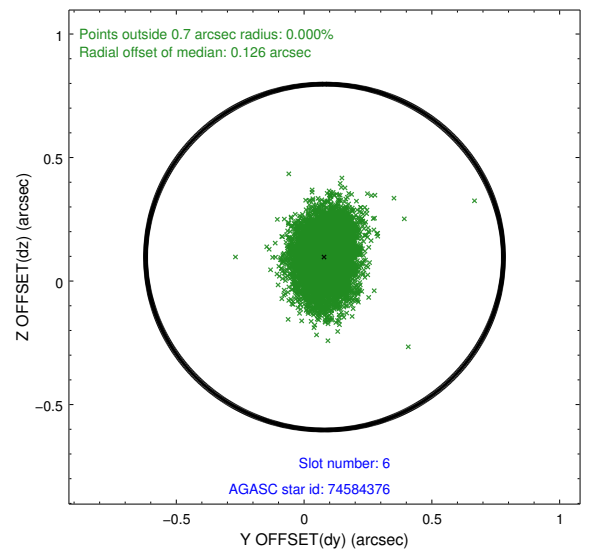
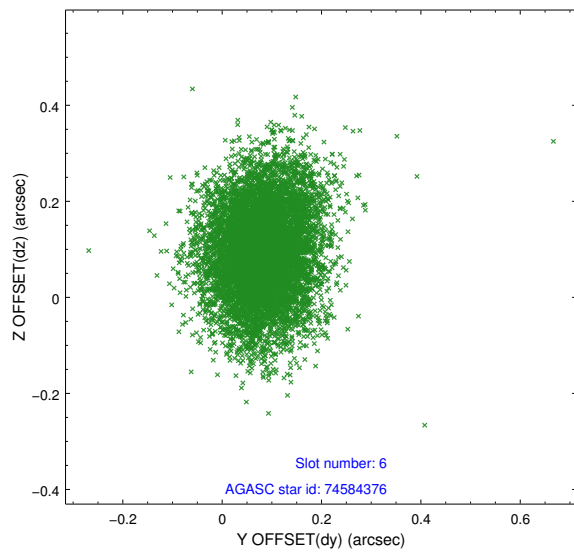
2.4.3 Slot 5



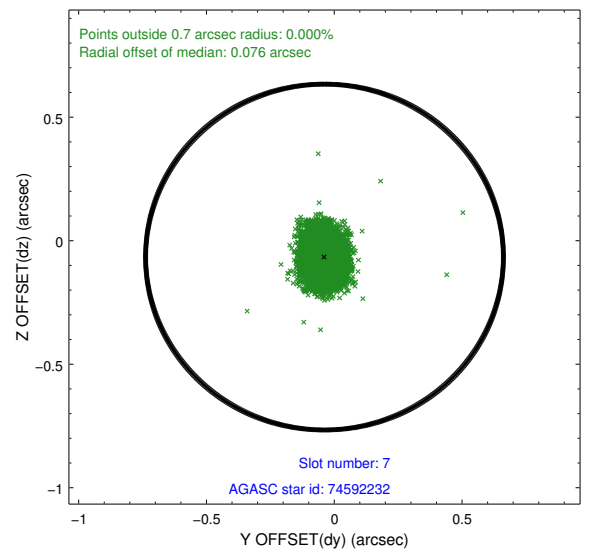
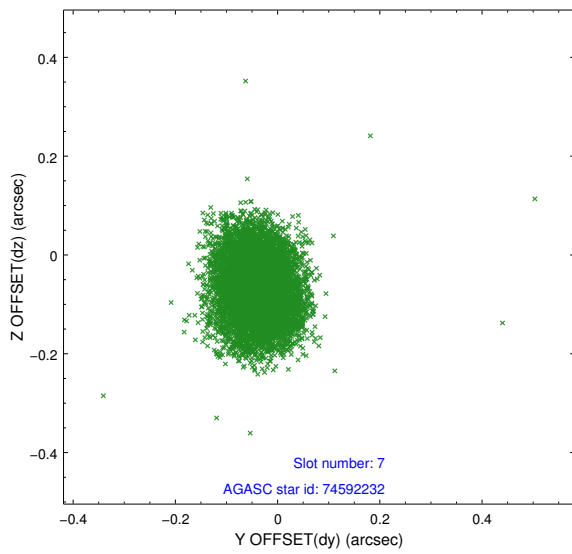
Time (s)



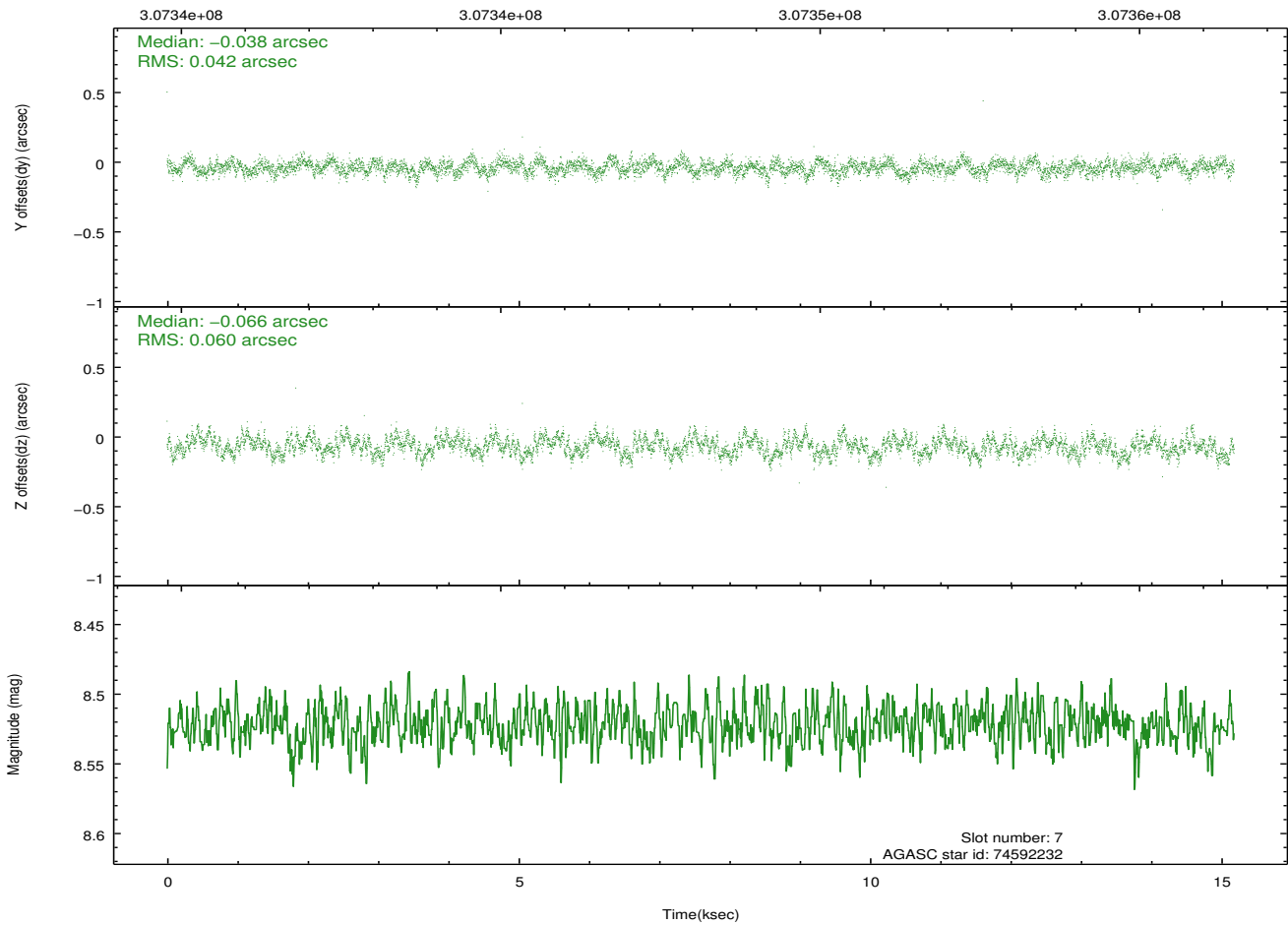
2.4.4 Slot 6



2.4.5 Slot 7

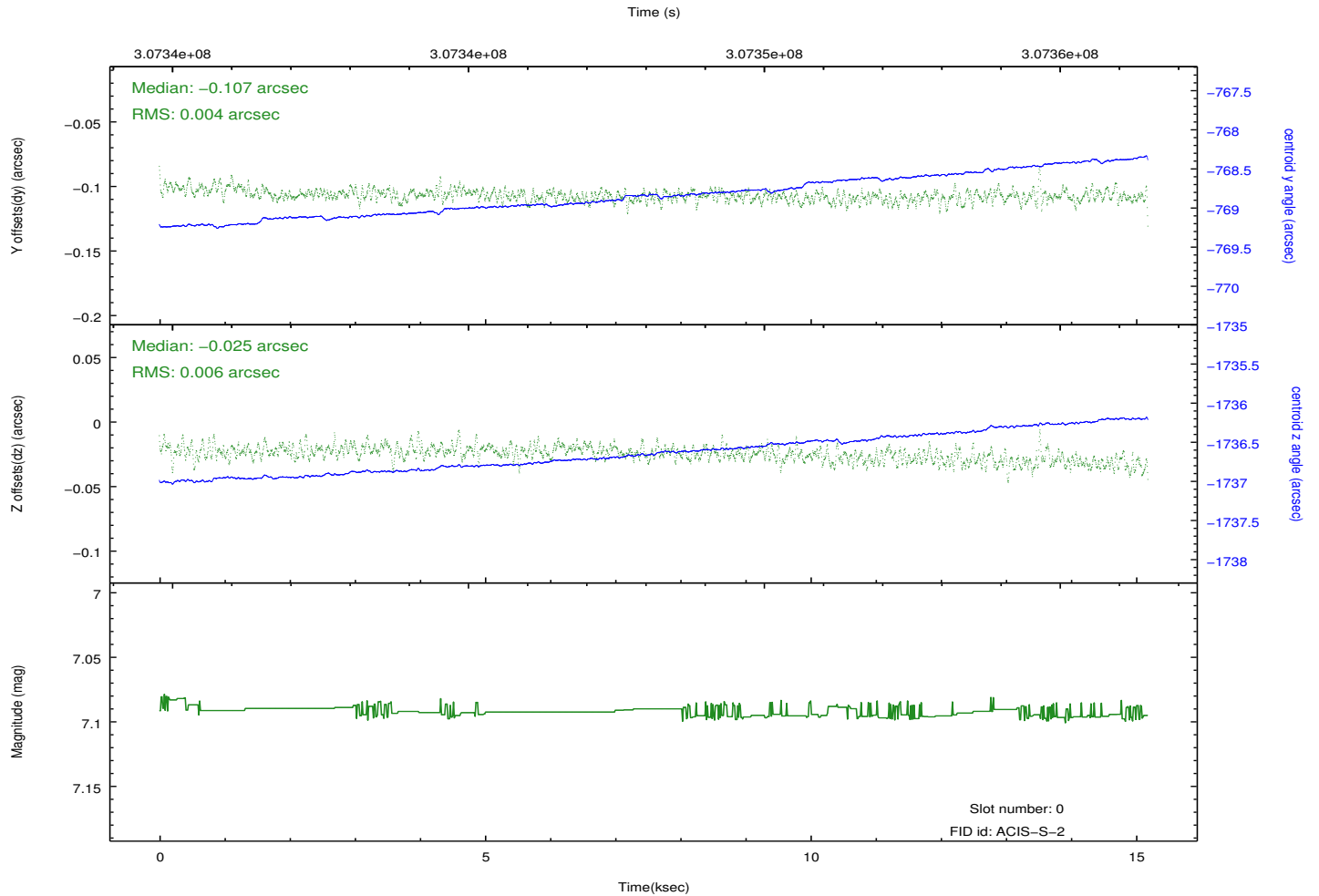
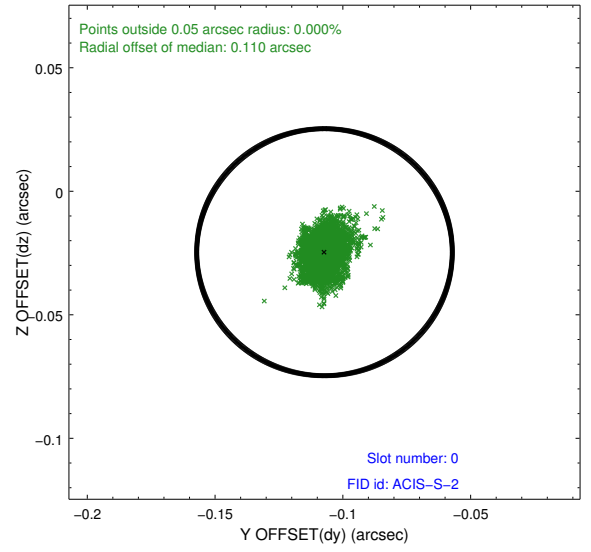
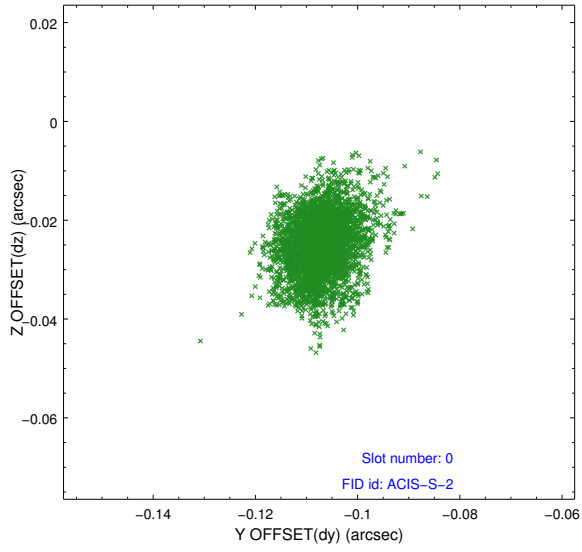


Time (s)

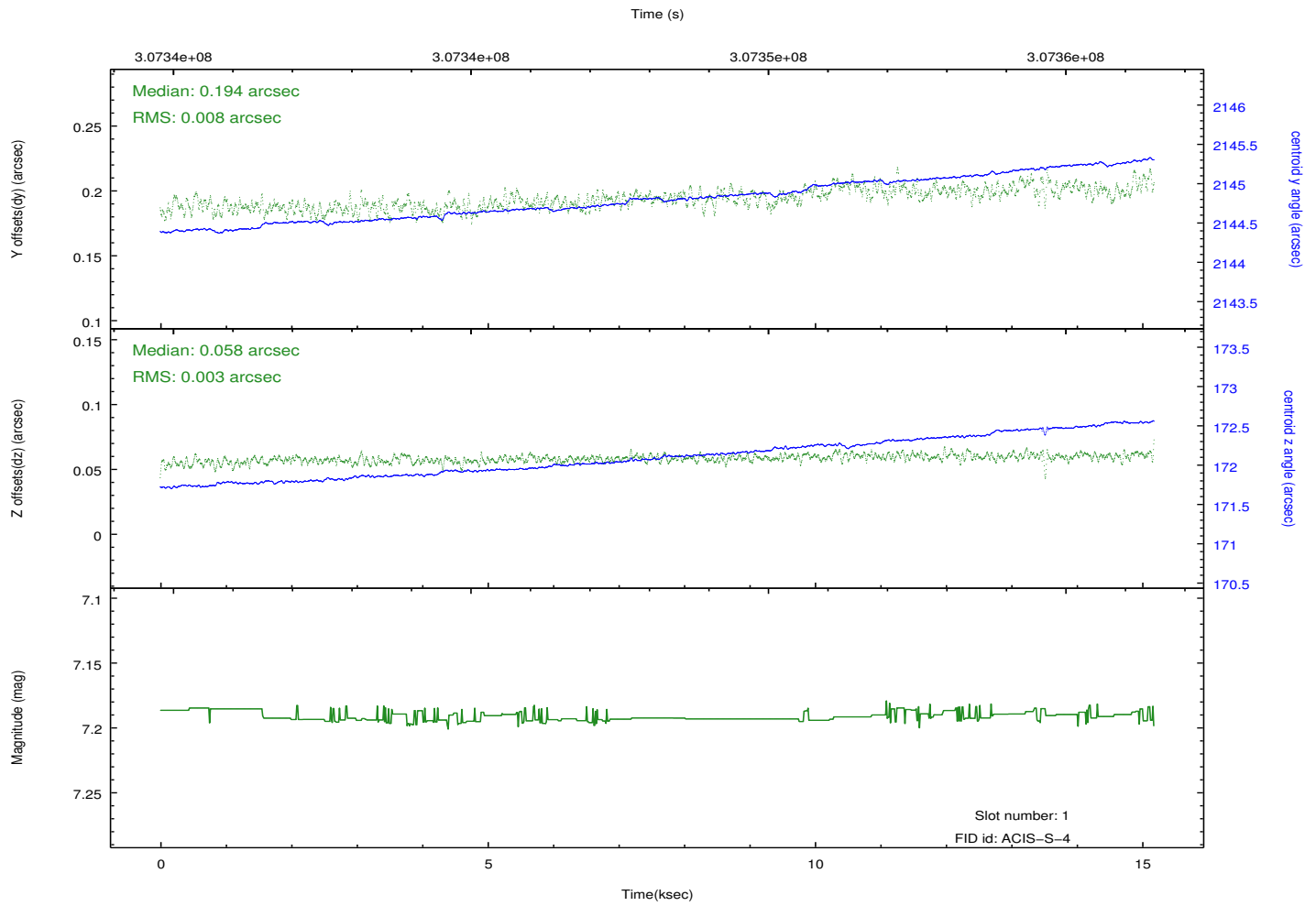
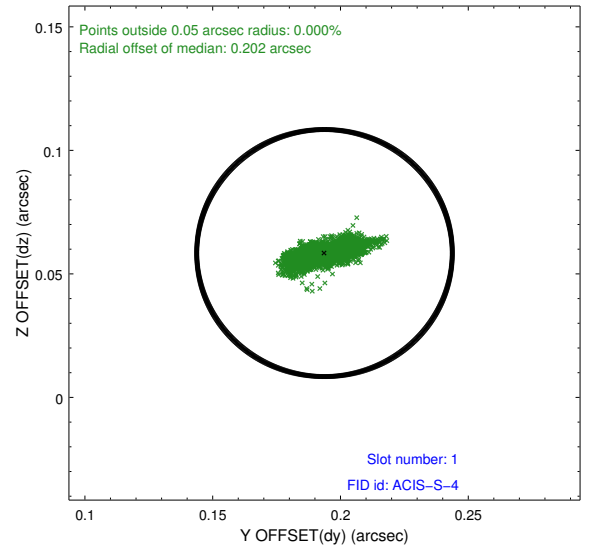
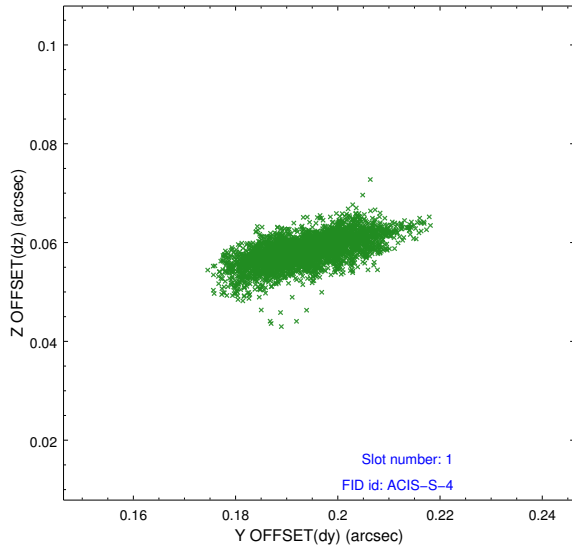


2.5 FID Slots

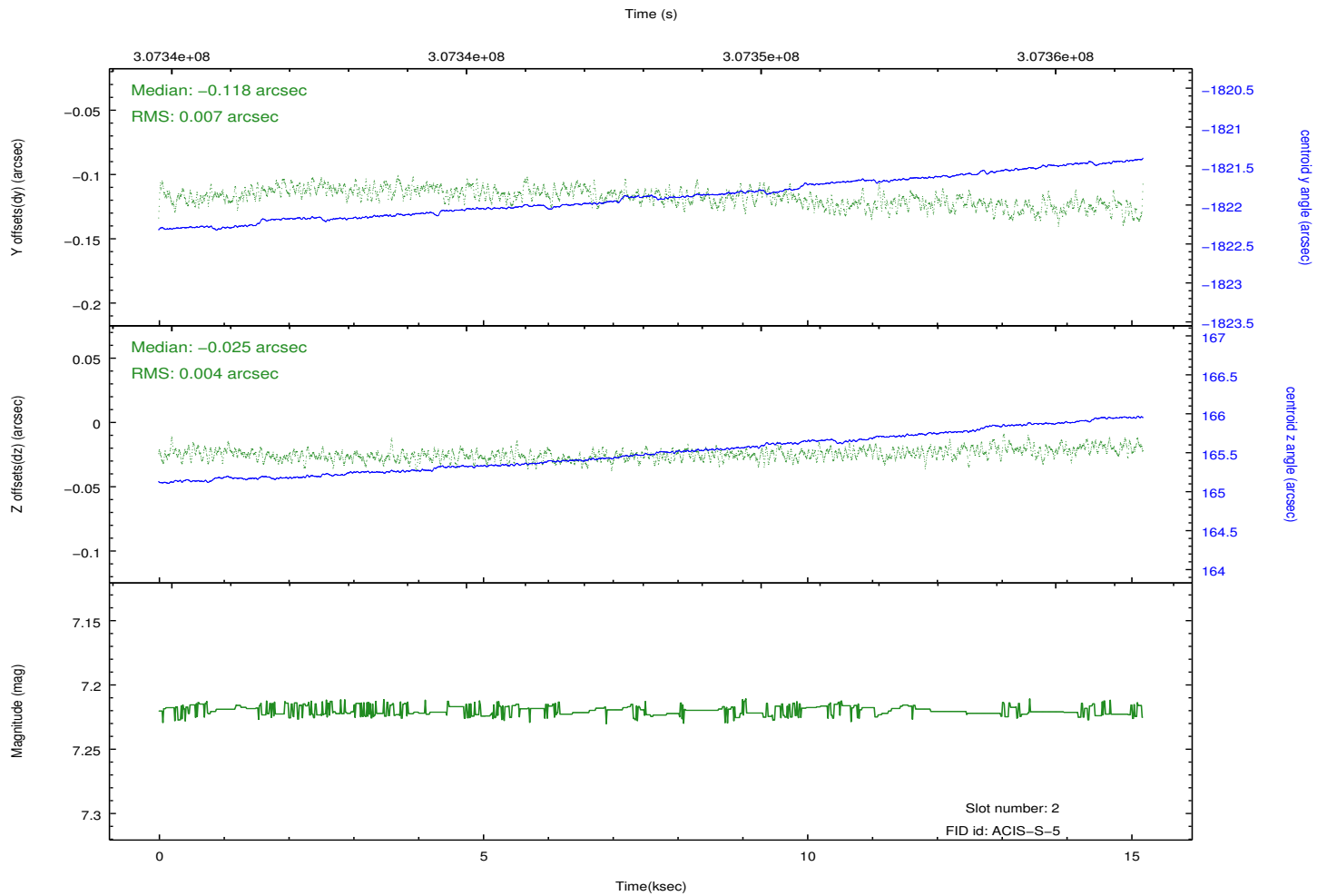
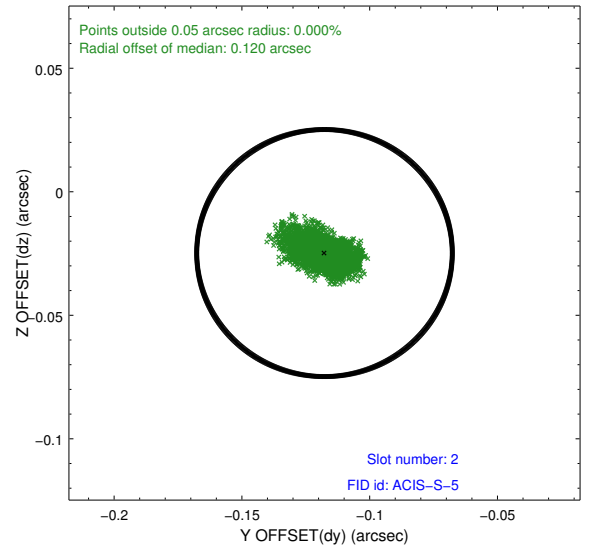
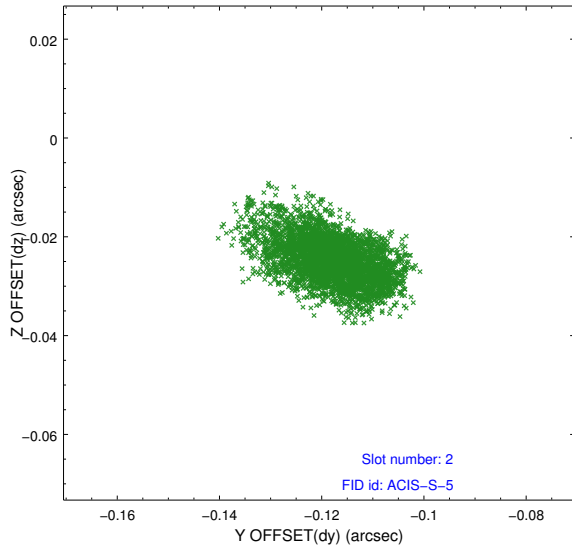
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.1775999

A.2 Comments