

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11663 - L2 Version 2
Chandra X-Ray Center

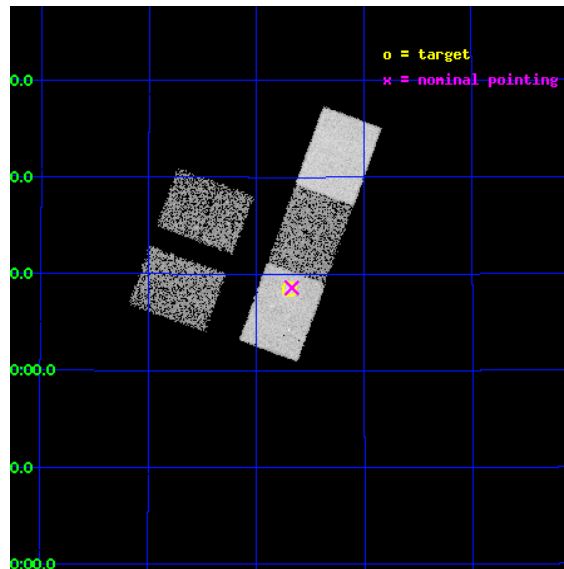
L2 Processing Date : Jun 20 2012

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1 Front

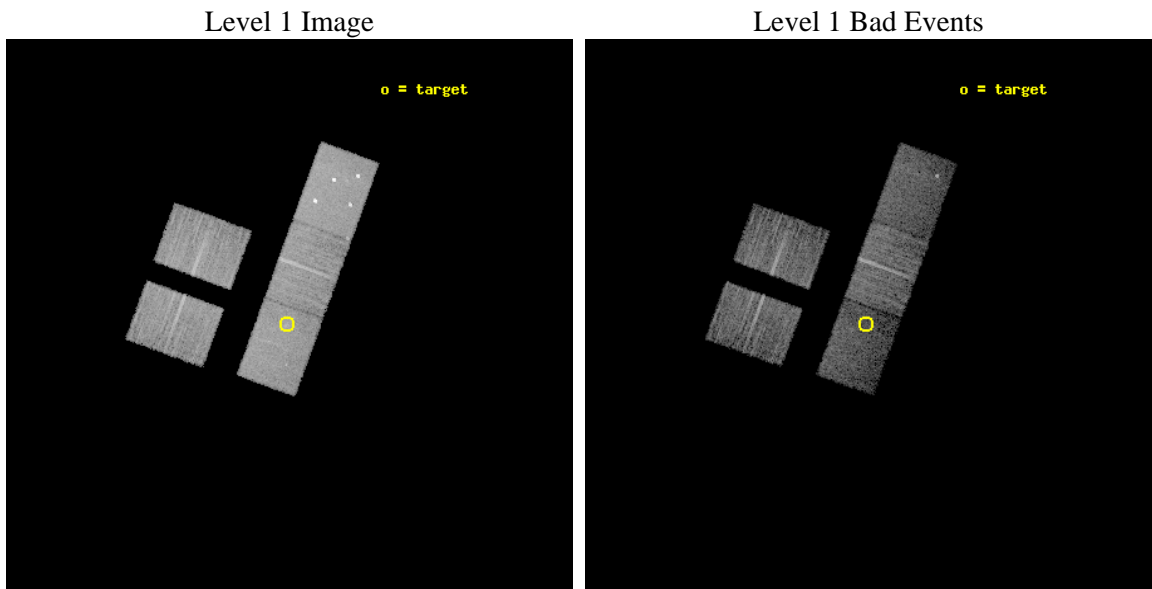
seq_num	702249	Sequence number
obs_id	11663	Observation id
title	Chandra deciphers the Optically 'Dull' X-ray Bright Galaxies at z~0.	Proposal title
observer	Dr. Anca Constantin	Principal investigator
object	SDSS J105841.53+410824.6	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.672917	Observer's specified target RA [deg]
dec_targ	41.140167	Observer's specified target Dec [deg]
ra_nom	164.6678405164	Nominal RA [deg]
dec_nom	41.143096936833	Nominal Dec [deg]
roll_nom	110.00612853329	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8128.7999192476	Sum of GTIs [s]
livetime	7992.1344206545	Livetime [s]
ontime2	8126.3588891029	Sum of GTIs [s]
ontime3	8128.7999192476	Sum of GTIs [s]
ontime5	8128.7999192476	Sum of GTIs [s]
ontime6	8128.7999192476	Sum of GTIs [s]
ontime7	8128.7999192476	Sum of GTIs [s]
l2events	69644	Number of level 2 events



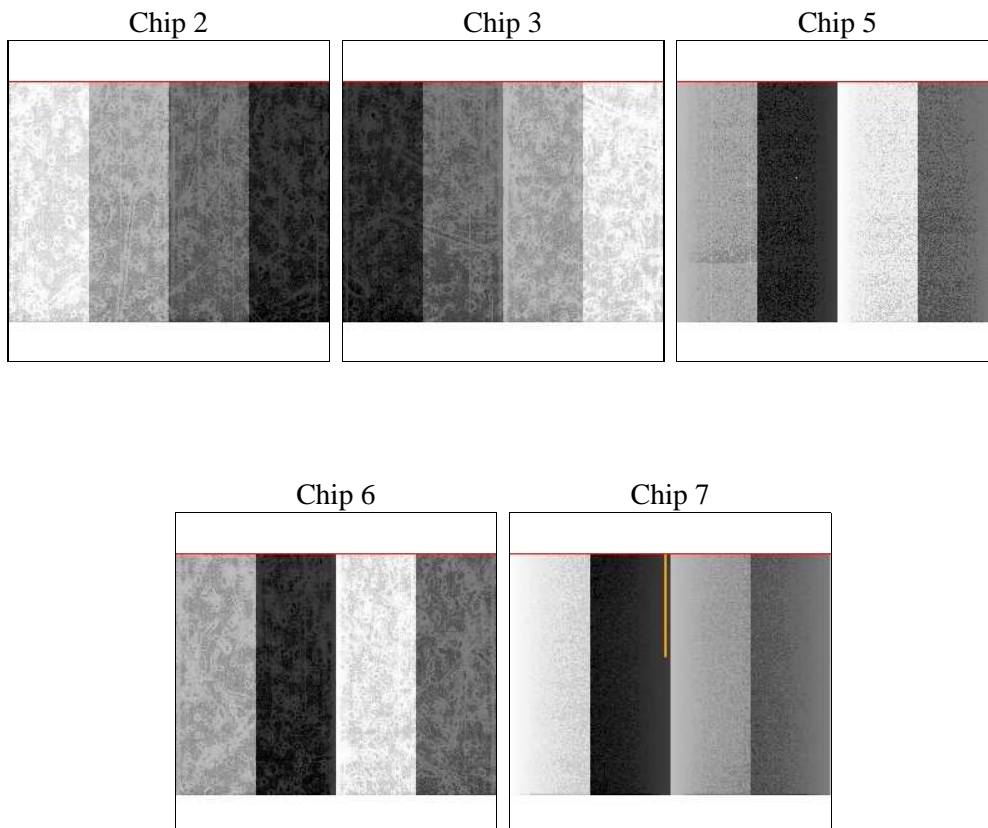
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8128.7999192476	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	8126.3588891029	Sum of GTIs [s]
date	2012-06-20T11:53:02	Date and time of file creation	ontime3	8128.7999192476	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8128.7999192476	Sum of GTIs [s]
			ontime6	8128.7999192476	Sum of GTIs [s]
			ontime7	8128.7999192476	Sum of GTIs [s]
			l1events	273409	Number of level 1 events

2.1.4 Events

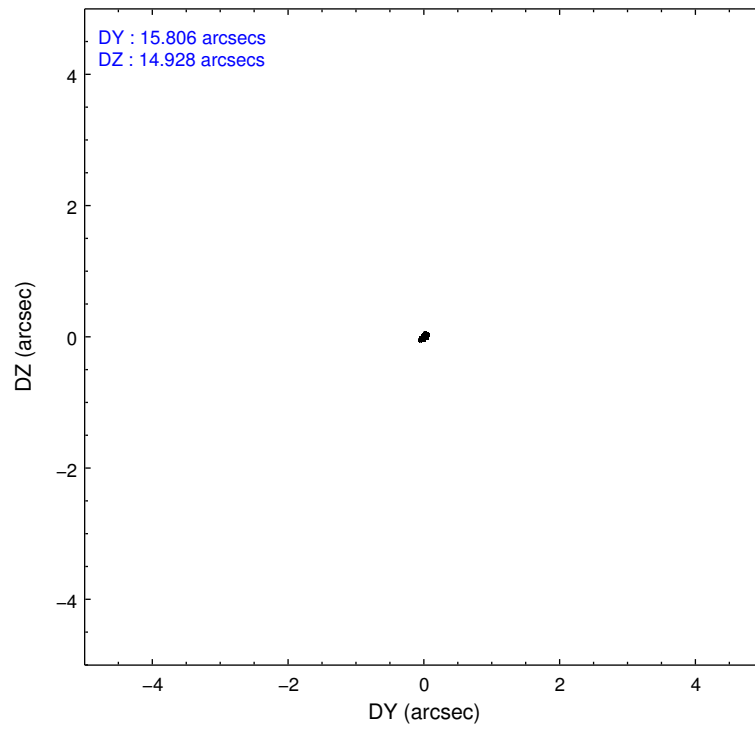
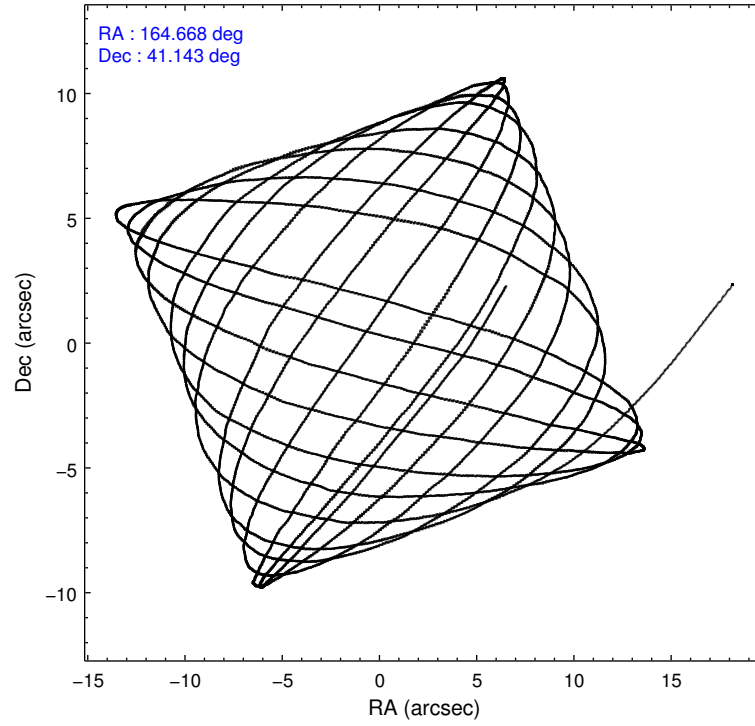
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	49895	47772	73297	51356	51089
rejected events	44829	43012	30856	46009	25287
rejected %	89%	90%	42%	89%	49%

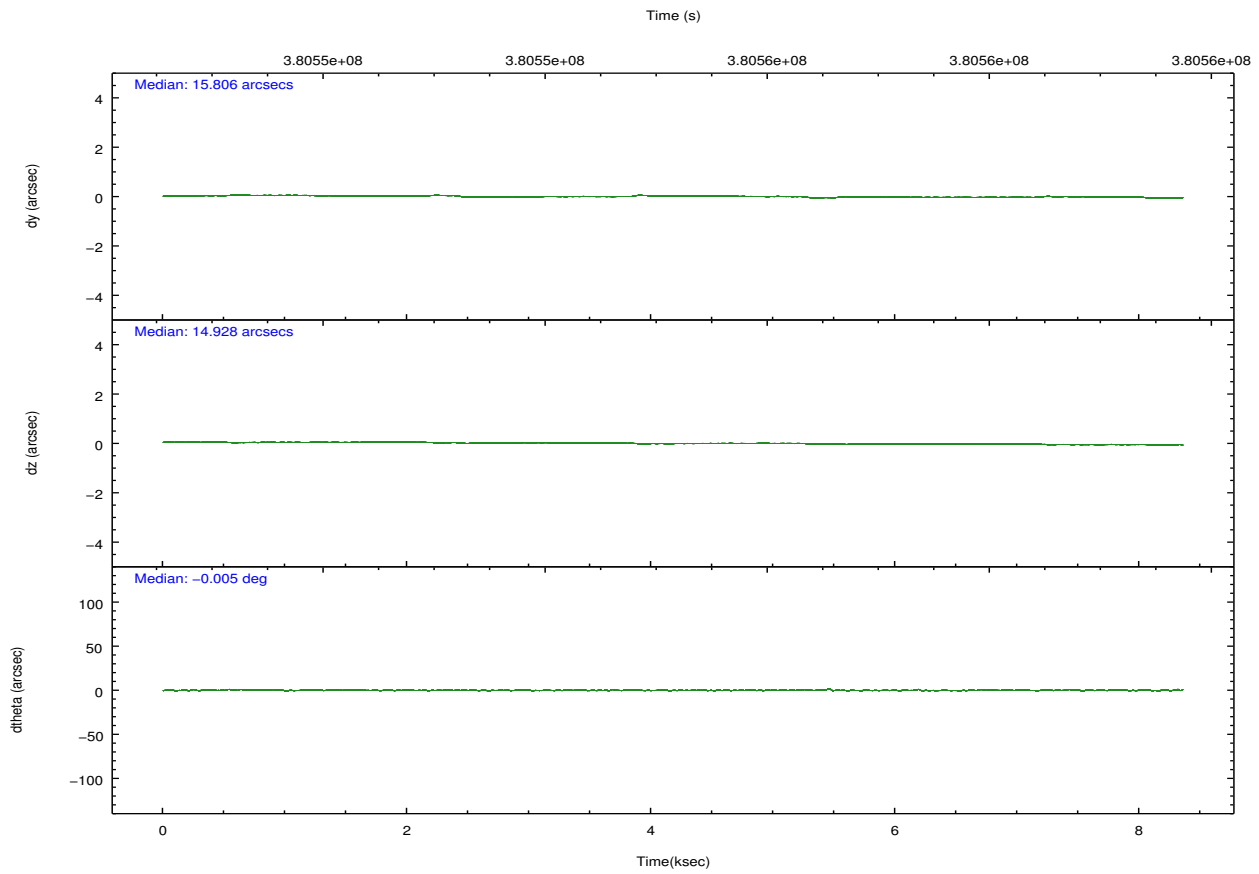
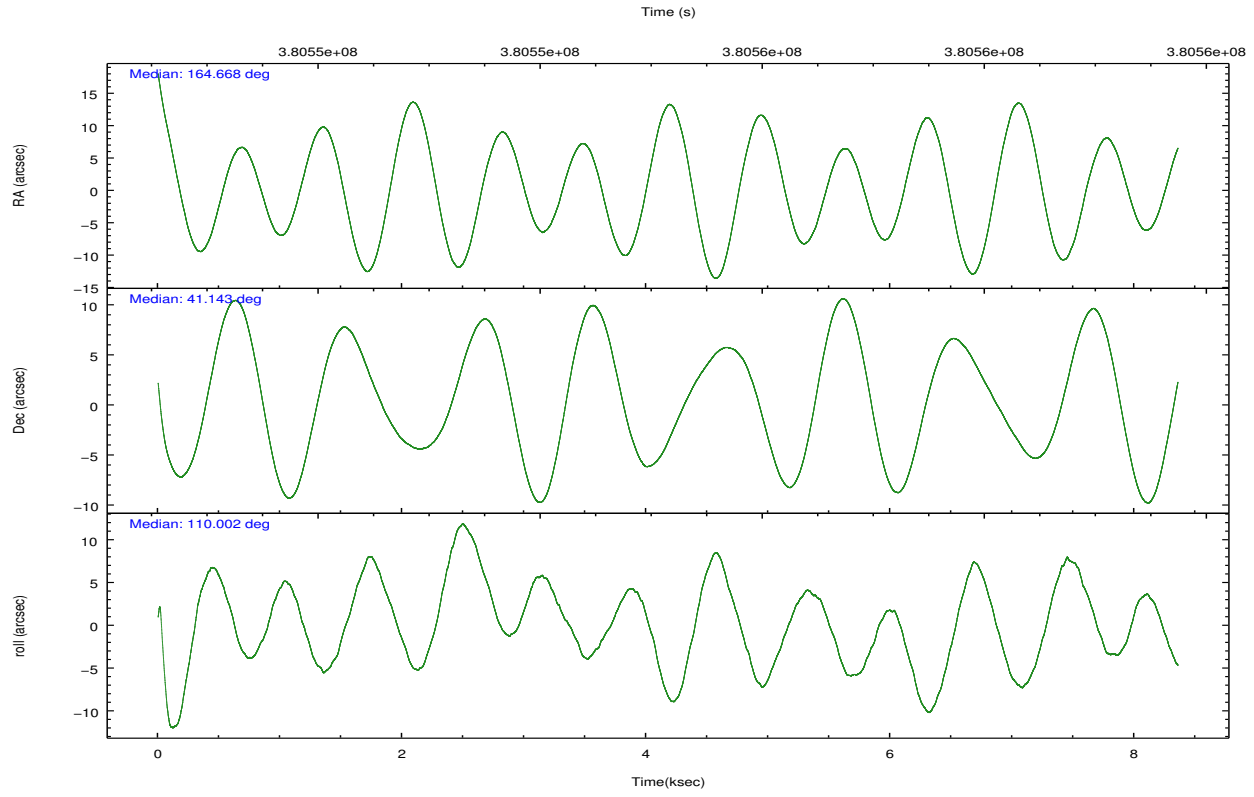
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1828	1714	11401	1927	2982
	3%	3%	15%	3%	5%
grade 1 events	23	24	558	24	67
	0%	0%	0%	0%	0%
grade 2 events	1135	1039	11220	1166	5549
	2%	2%	15%	2%	10%
grade 3 events	583	561	1524	605	2510
	1%	1%	2%	1%	4%
grade 4 events	582	531	1504	578	2418
	1%	1%	2%	1%	4%
grade 5 events	1409	1691	5175	1810	5298
	2%	3%	7%	3%	10%
grade 6 events	940	916	16817	1074	12361
	1%	1%	22%	2%	24%
grade 7 events	43395	41296	25098	44172	19904
	86%	86%	34%	86%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	164.695985	164.6678405164039	CCD I2 on	O2	Y
[deg] Pointing Dec	41.125889	41.14309693683275	CCD I3 on	O3	Y
[deg] Pointing Roll	109.830949	110.0061285332925	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	O4	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	N	N
[s] Observation start time (MET)	380551239.184000	380550363.25574	CCD S5 on	N	N
Observation start date	2010-01-22T12:39:33	2010-01-22T12:26:03	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	380559339.184000	380560245.79375	On-chip summing requested	N	N
Observation end date	2010-01-22T14:54:33	2010-01-22T15:10:45	Subarray requested	CUSTOM	CUSTOM
Read mode	TIMED	TIMED	Subarray start row	128	128
			Subarray row count	768	768
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	2.4

2.3 Aspect



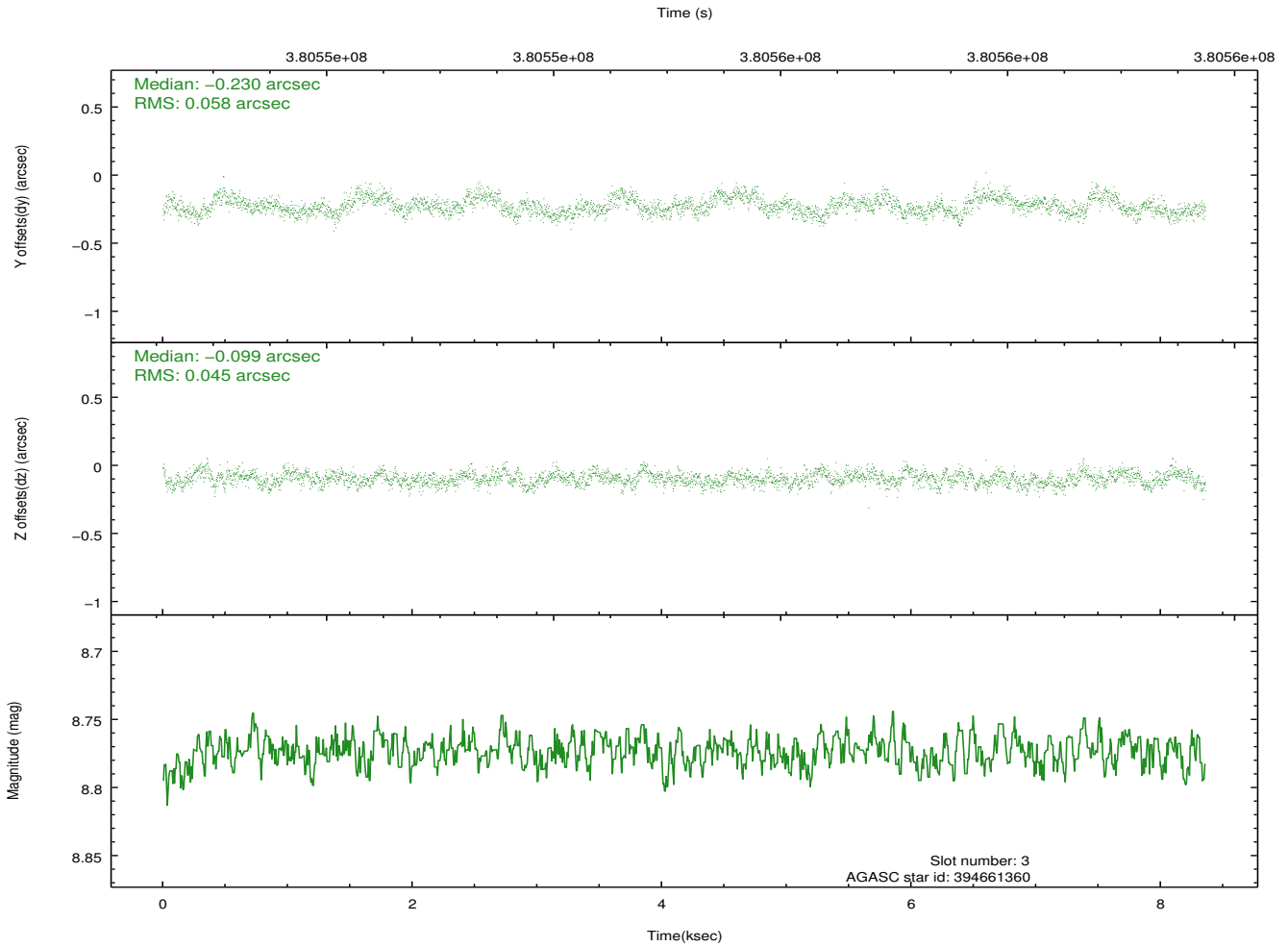
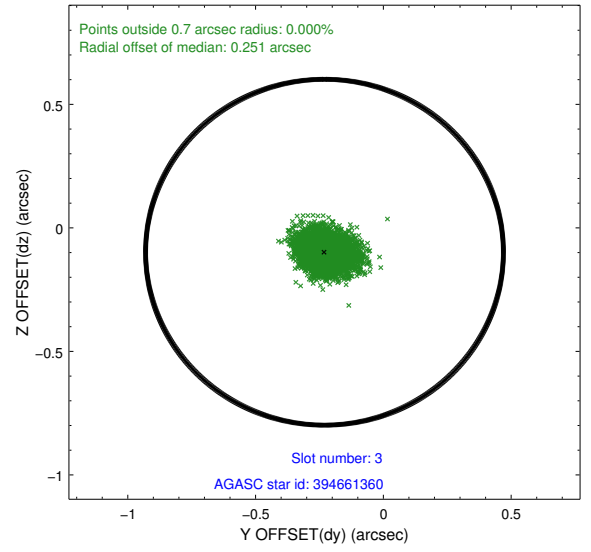
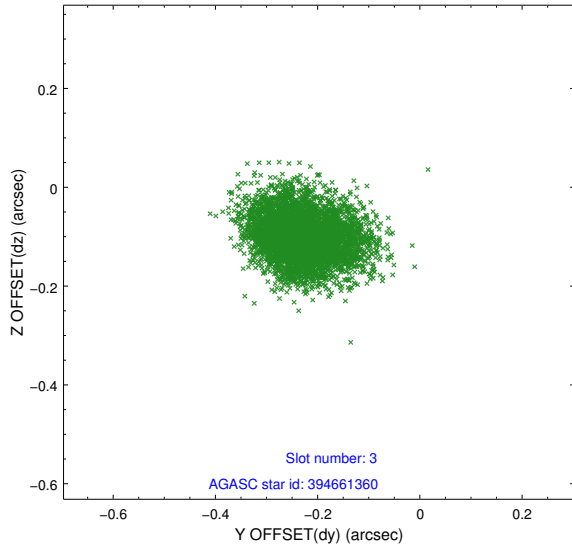


Slot Statistics

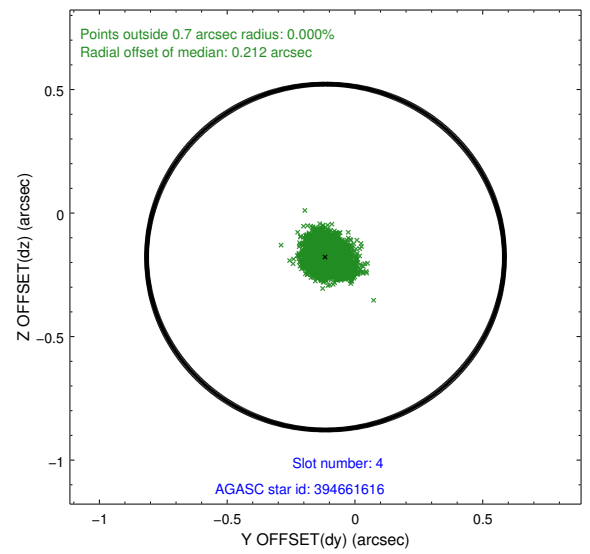
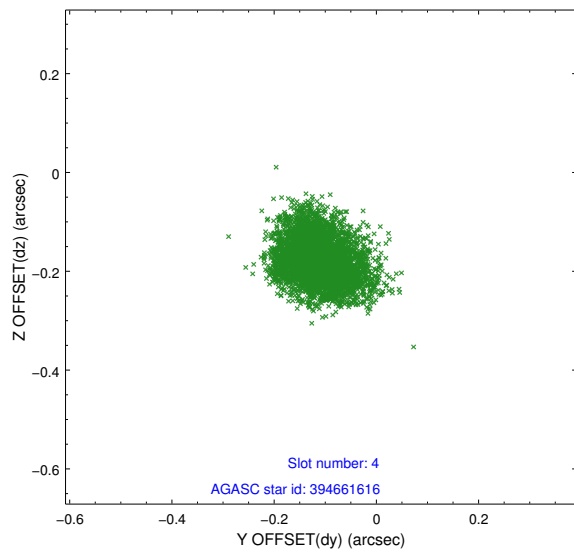
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	2039	-0.096	-0.020	0.007	0.011	0.000000	0.000000	-768.88	-1736.28
1	FID	ACIS-S-4	7.02	2039	0.177	0.052	0.006	0.010	0.000000	0.000000	2144.35	171.61
2	FID	ACIS-S-5	7.06	2039	-0.113	-0.023	0.007	0.011	0.000000	0.000000	-1820.90	165.92
3	GUIDE	394661360	8.77	4076	-0.230	-0.099	0.078	0.126	163.845775	41.459663	1919.38	1746.48
4	GUIDE	394661616	7.59	4077	-0.115	-0.178	0.066	0.106	164.277902	41.350818	1147.96	788.58
5	GUIDE	394797296	9.74	4054	0.096	0.094	0.152	0.238	165.001838	41.602183	1335.88	-1356.19
6	GUIDE	394661368	9.02	4060	-0.034	-0.065	0.100	0.155	163.591300	41.451247	2131.34	2400.16
7	GUIDE	394537696	9.89	4072	0.270	0.270	0.155	0.243	165.202311	40.702944	-1896.07	-784.12

2.4 Star Slots

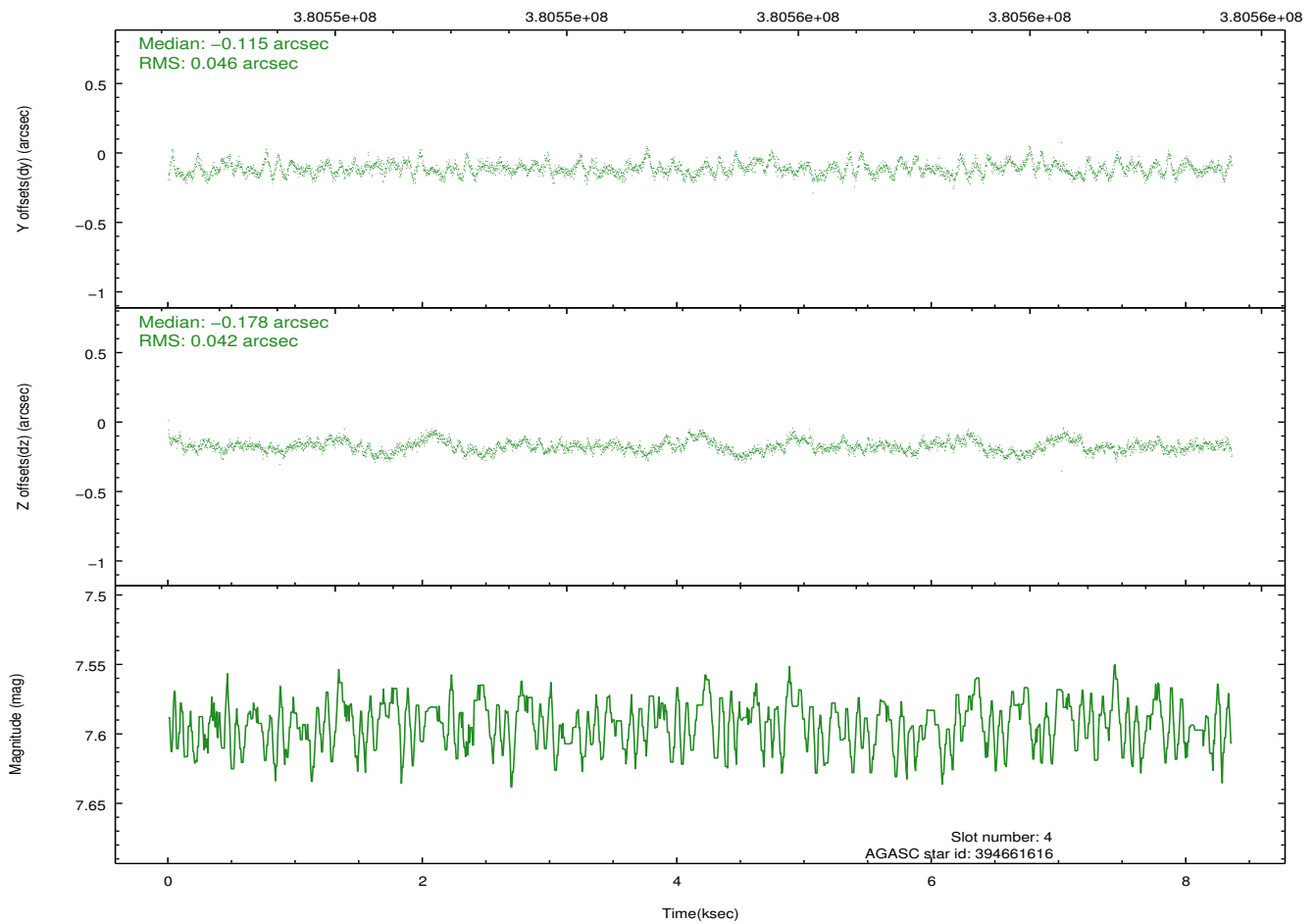
2.4.1 Slot 3



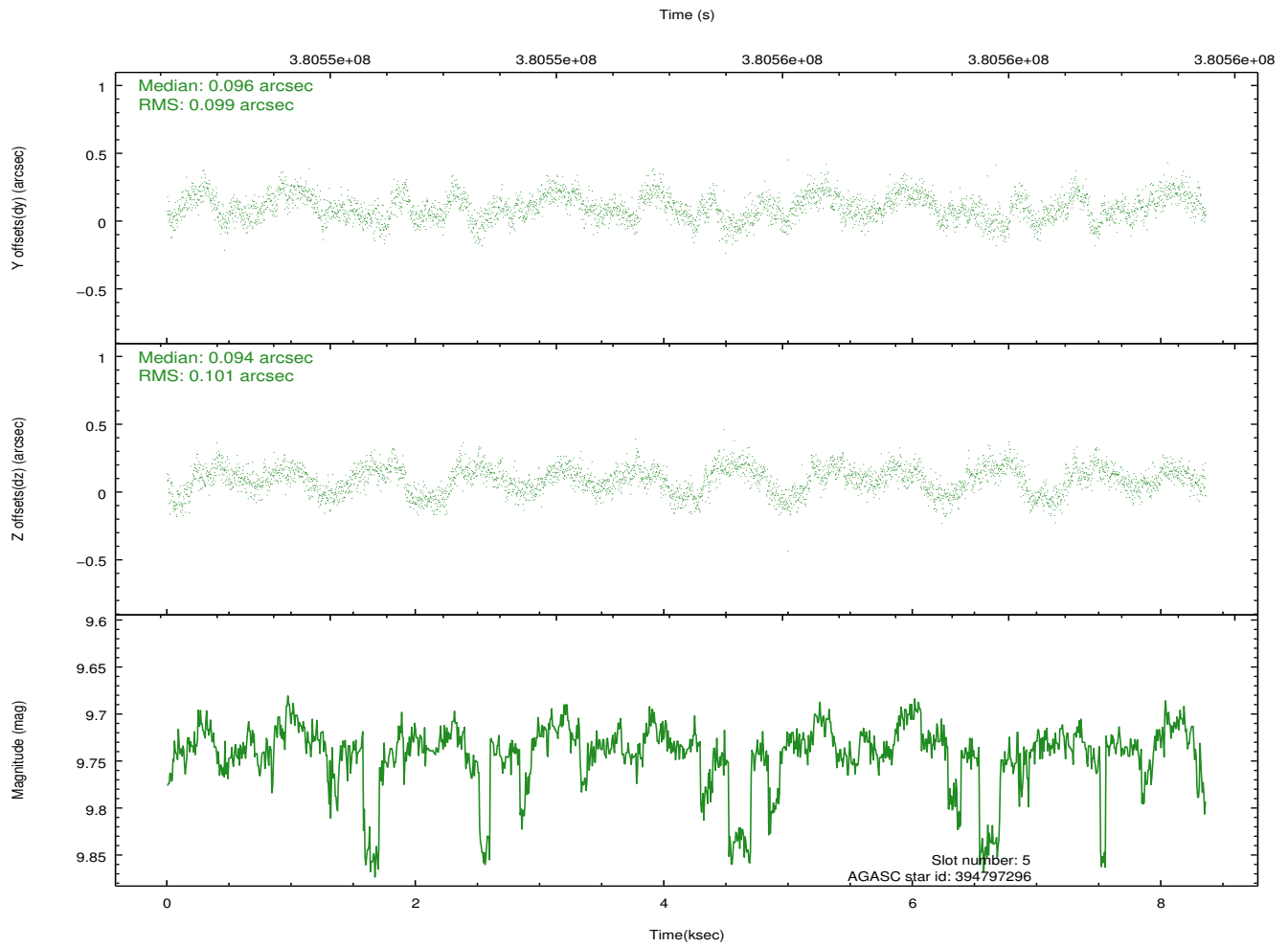
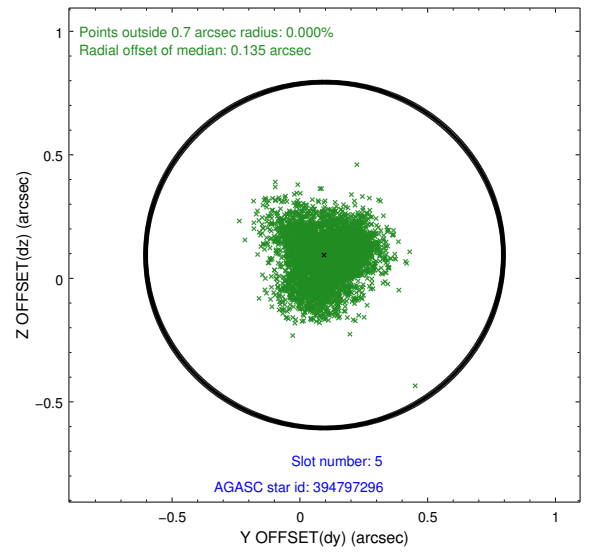
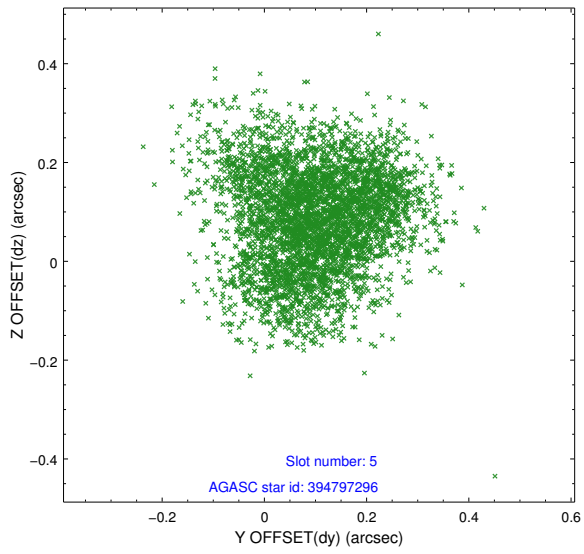
2.4.2 Slot 4



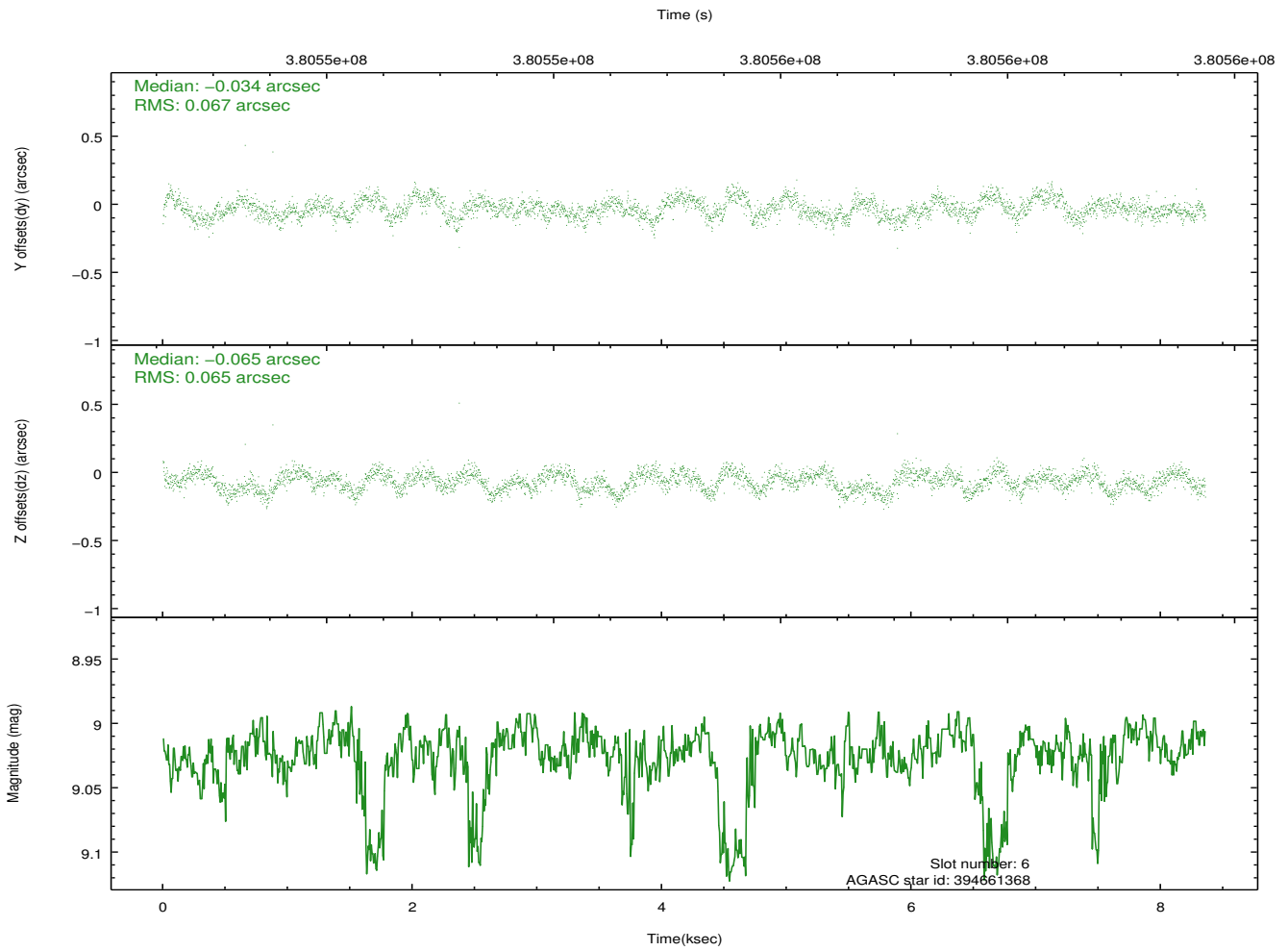
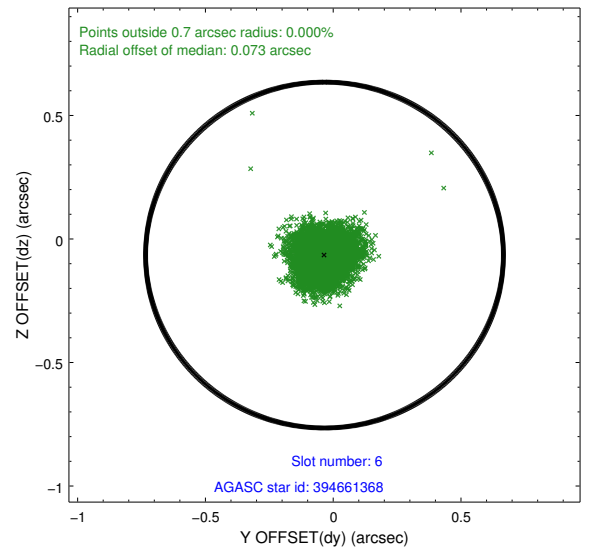
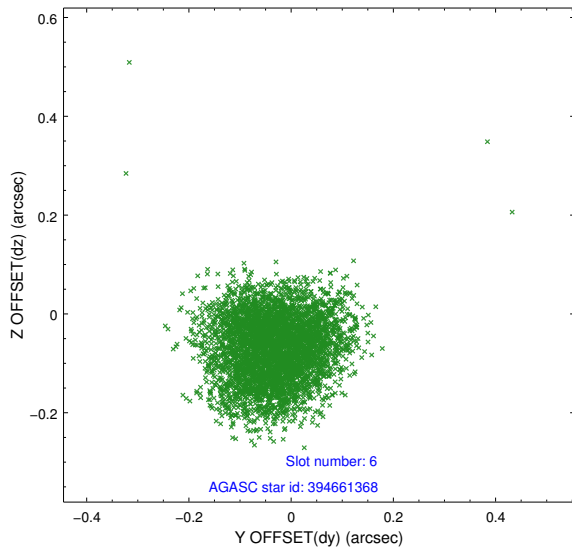
Time (s)



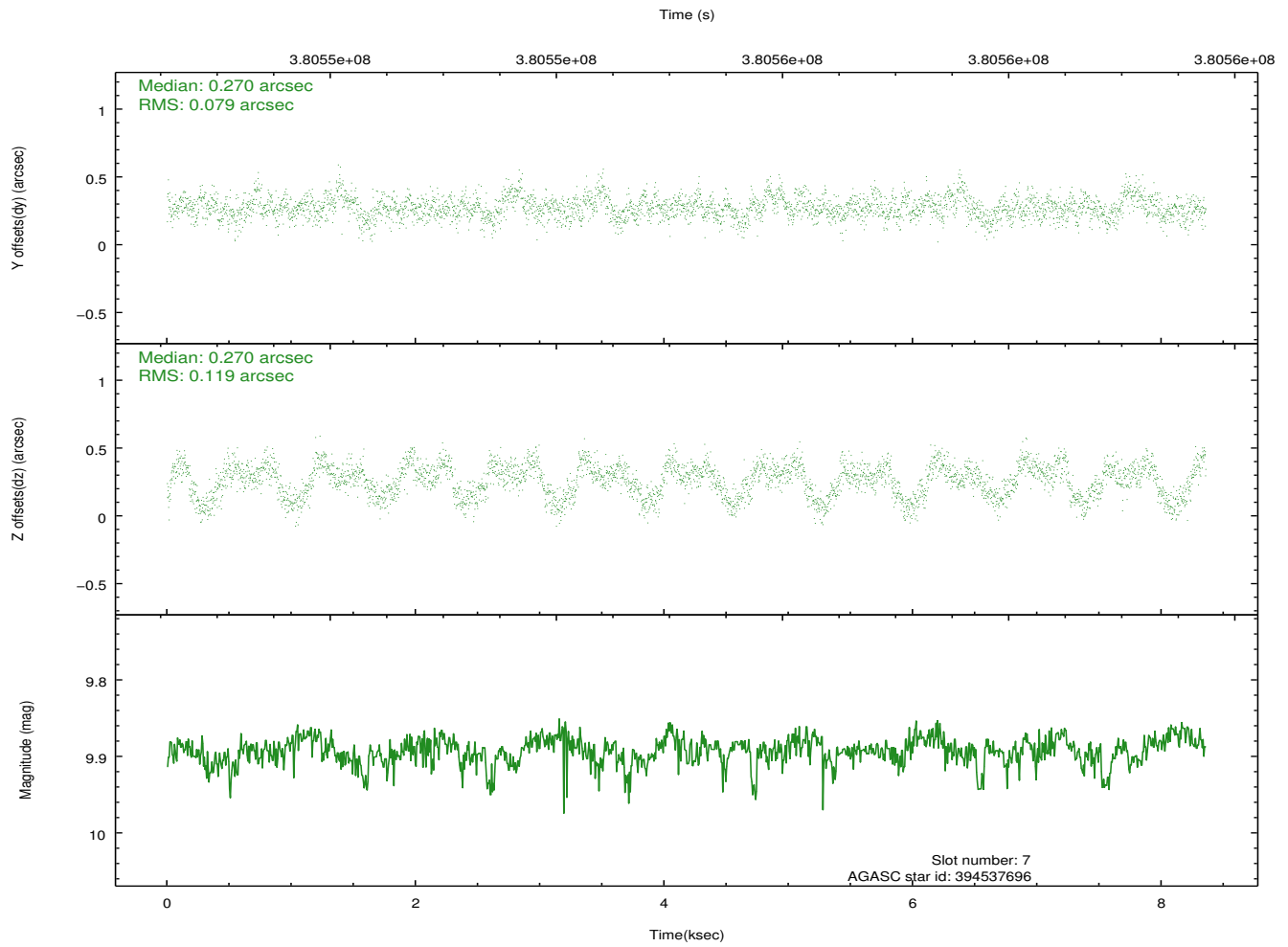
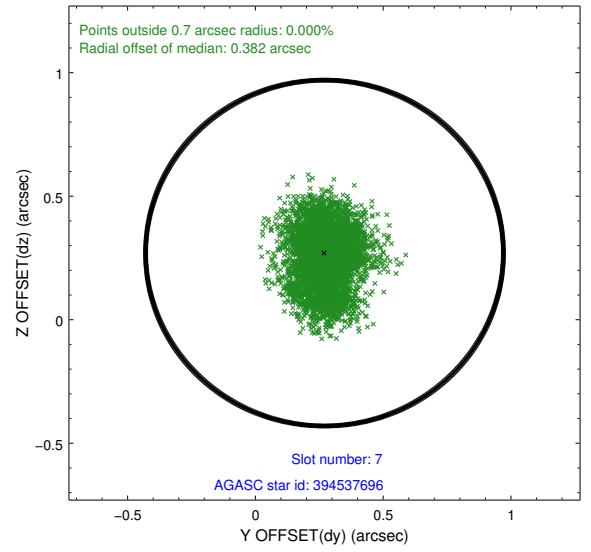
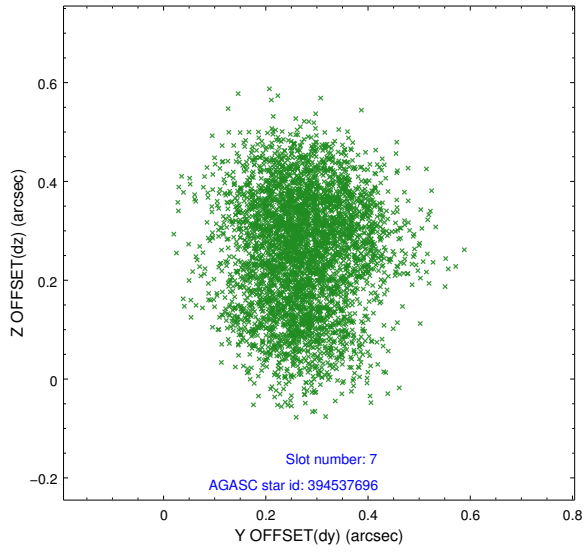
2.4.3 Slot 5



2.4.4 Slot 6

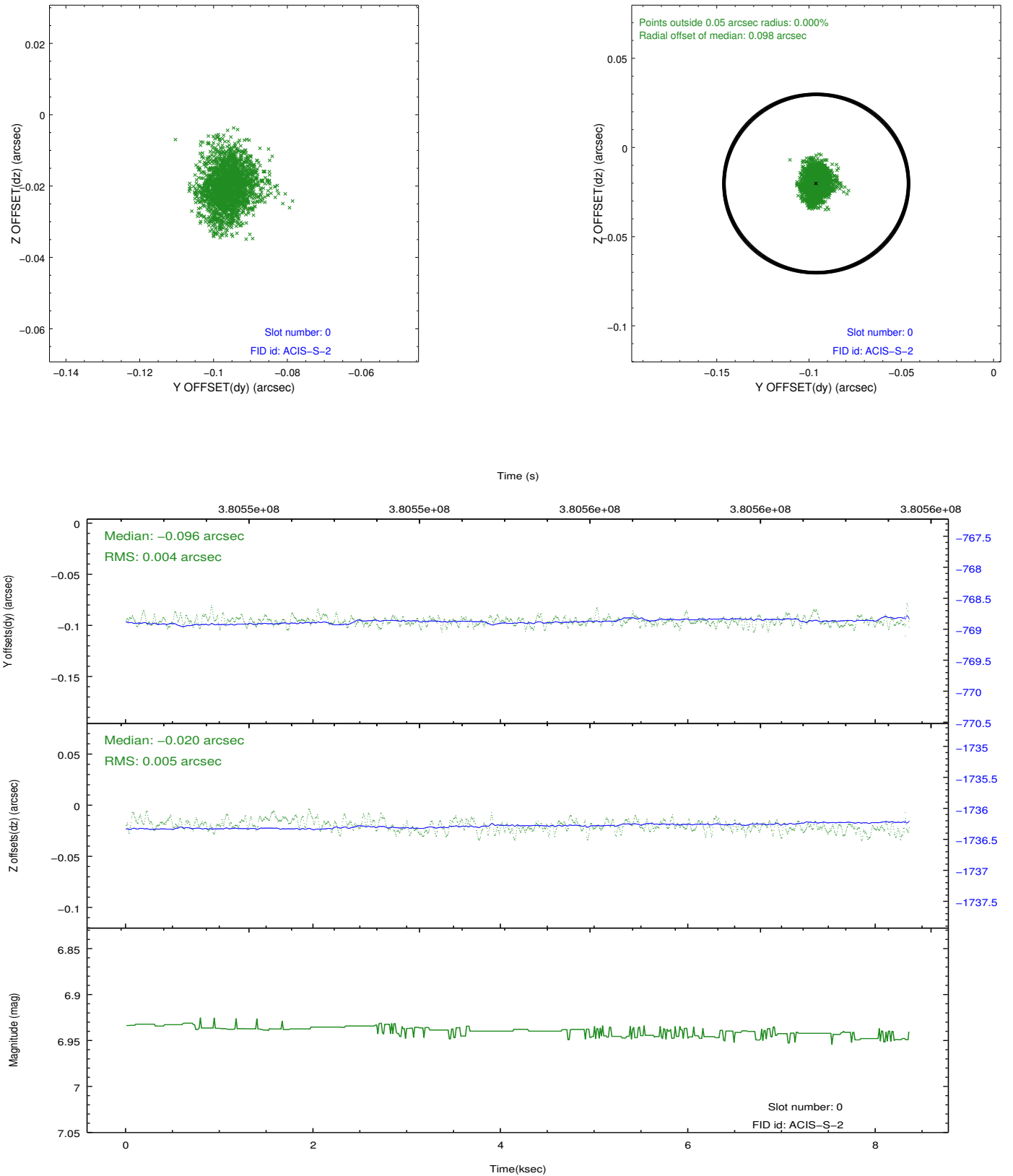


2.4.5 Slot 7

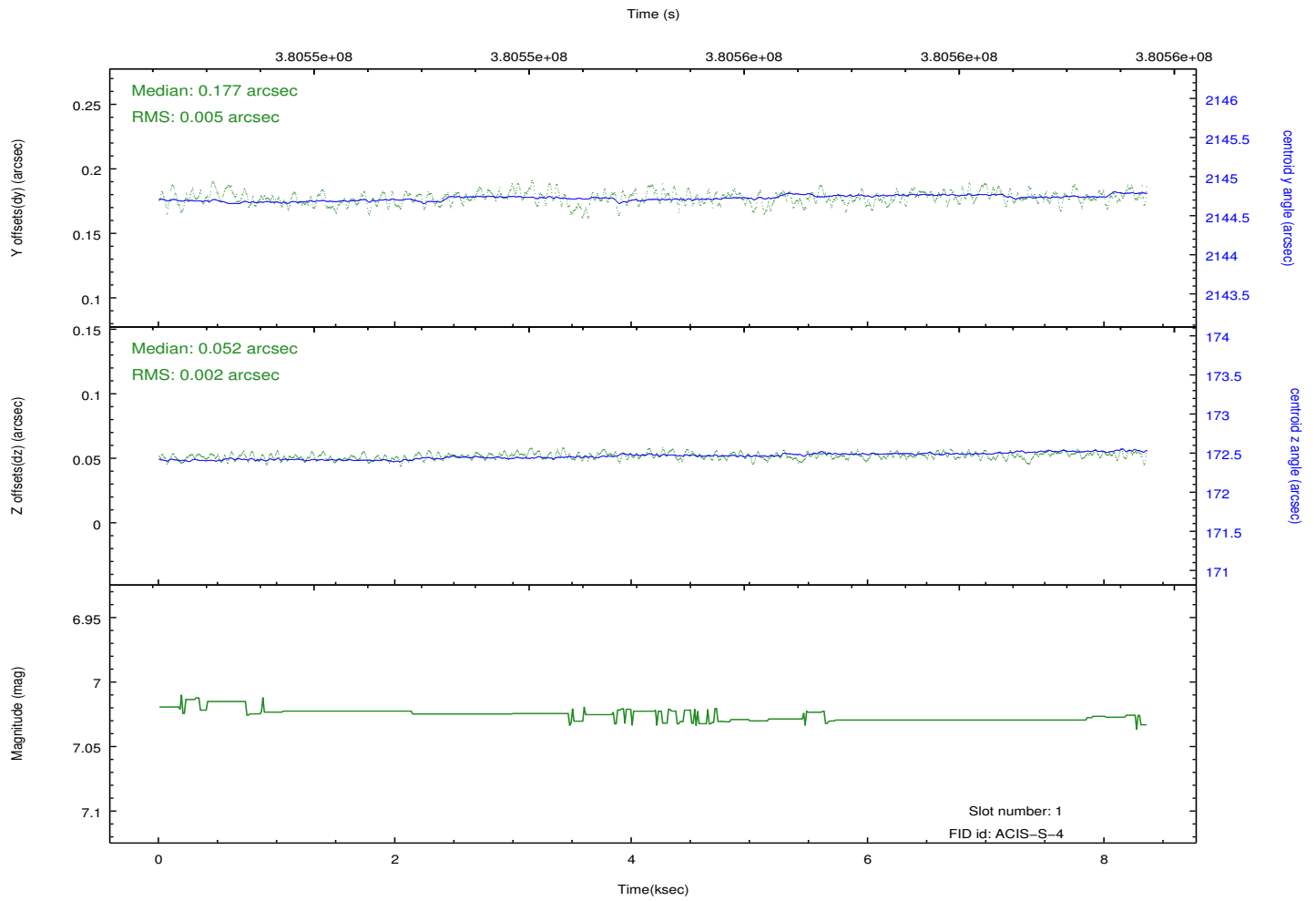
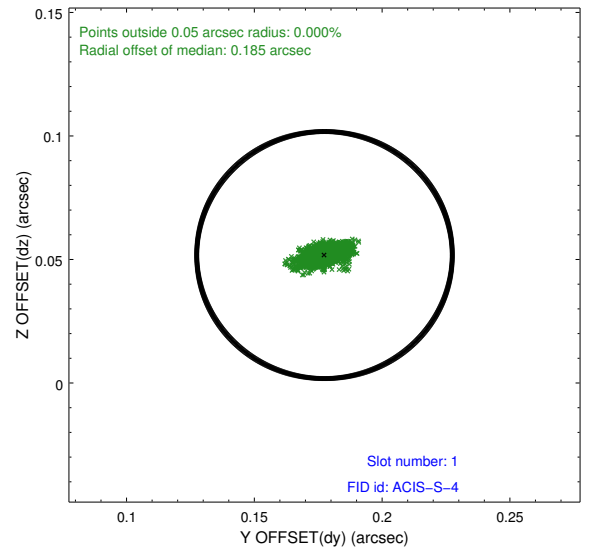
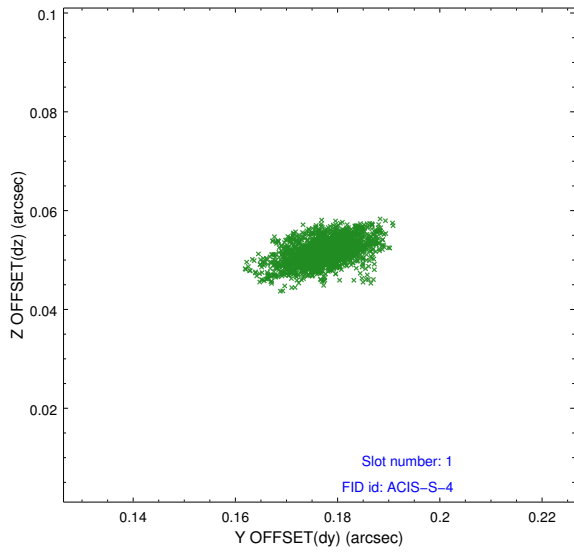


2.5 FID Slots

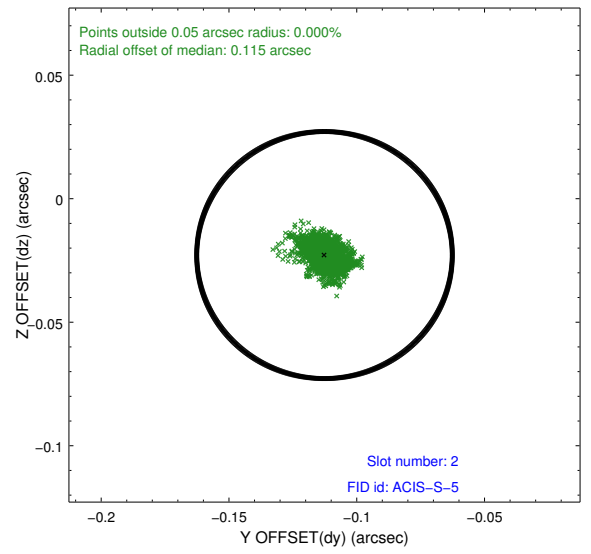
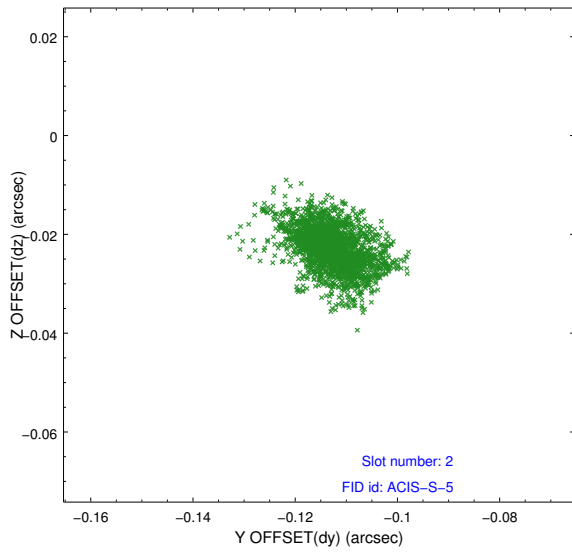
2.5.1 Slot 0



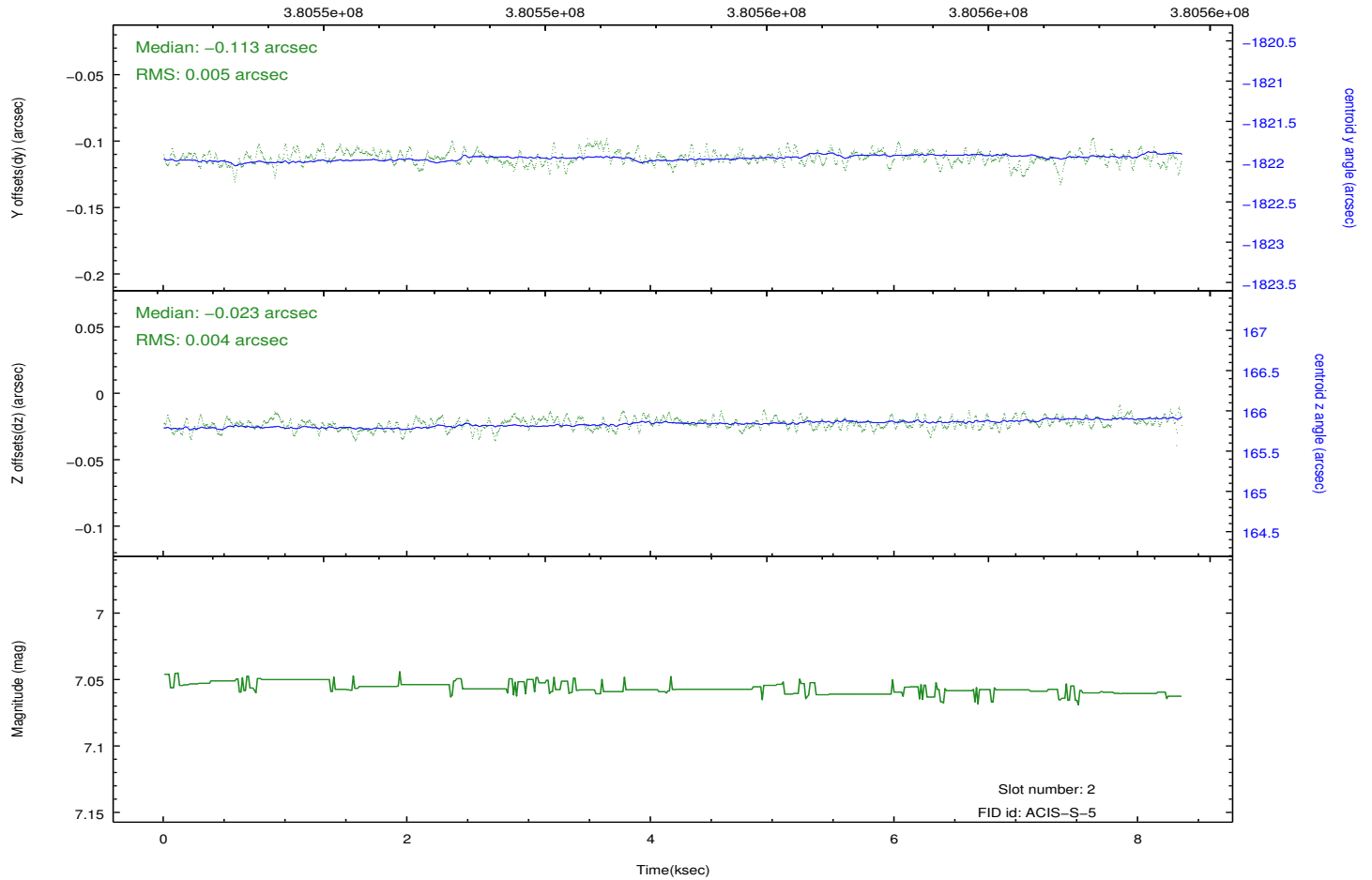
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1287999192476

A.2 Comments