

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11665 - L2 Version 2
Chandra X-Ray Center

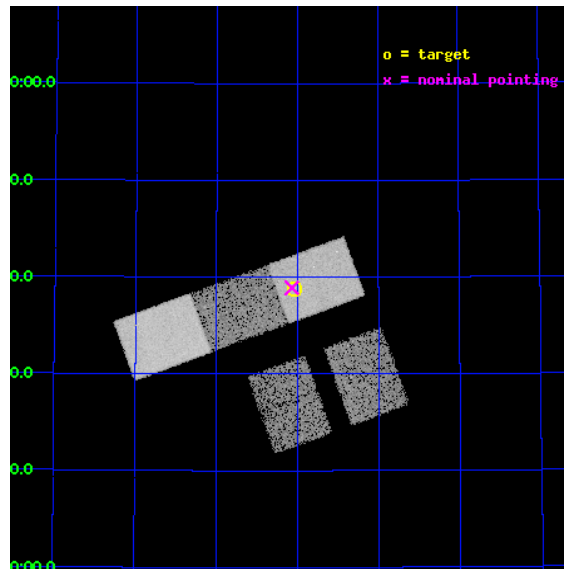
L2 Processing Date : Jul 3 2012

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

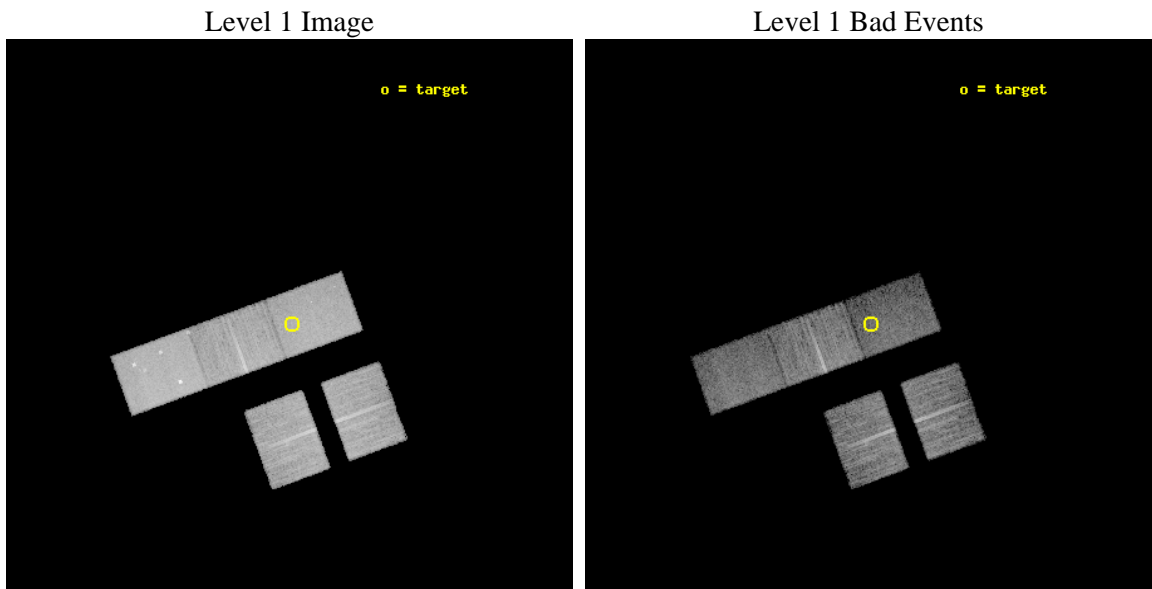
seq_num	702251	Sequence number
obs_id	11665	Observation id
title	Chandra deciphers the Optically 'Dull' X-ray Bright Galaxies at z~0.	Proposal title
observer	Dr. Anca Constantin	Principal investigator
object	SDSS J130802.04+553850.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.00875	Observer's specified target RA [deg]
dec_targ	55.647389	Observer's specified target Dec [deg]
ra_nom	197.01717637245	Nominal RA [deg]
dec_nom	55.648357004131	Nominal Dec [deg]
roll_nom	339.90406312677	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13933.92712307	Sum of GTIs [s]
livetime	13699.66288769	Livetime [s]
ontime2	13933.762963057	Sum of GTIs [s]
ontime3	13933.80400306	Sum of GTIs [s]
ontime5	13933.886083066	Sum of GTIs [s]
ontime6	13933.845043063	Sum of GTIs [s]
ontime7	13933.92712307	Sum of GTIs [s]
l2events	104703	Number of level 2 events



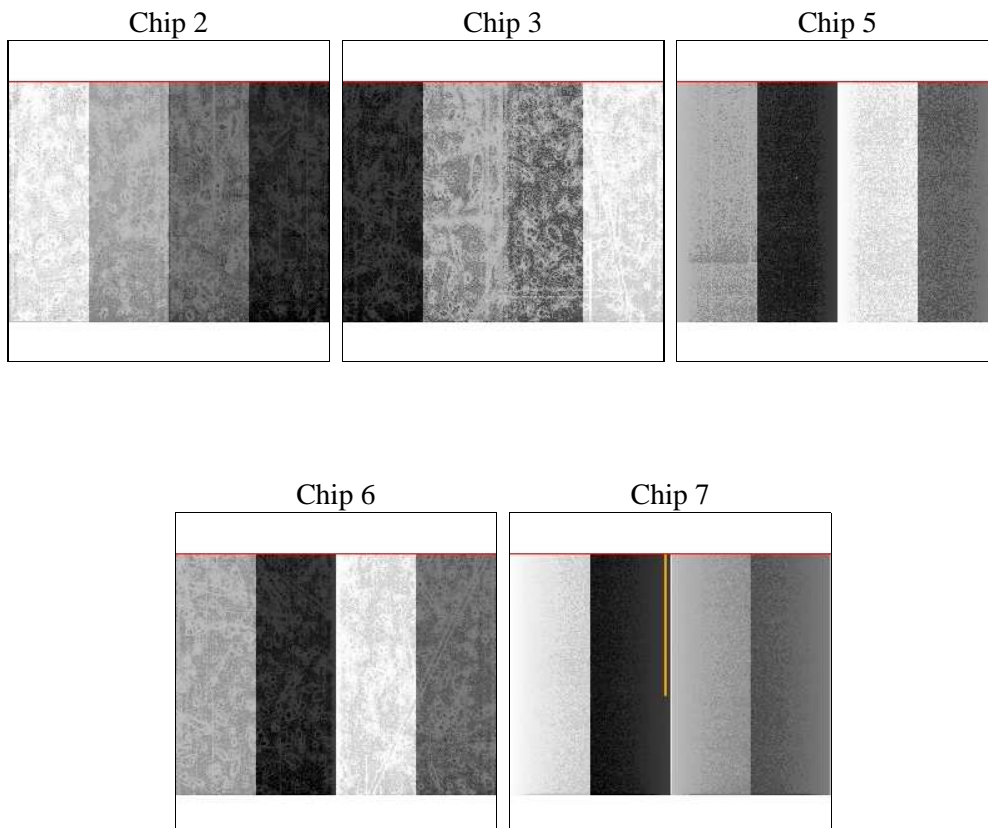
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	13900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	13933.92712307	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	13933.762963057	Sum of GTIs [s]
date	2012-07-03T23:55:42	Date and time of file creation	ontime3	13933.80400306	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	13933.886083066	Sum of GTIs [s]
			ontime6	13933.845043063	Sum of GTIs [s]
			ontime7	13933.92712307	Sum of GTIs [s]
			l1events	391414	Number of level 1 events

2.1.4 Events

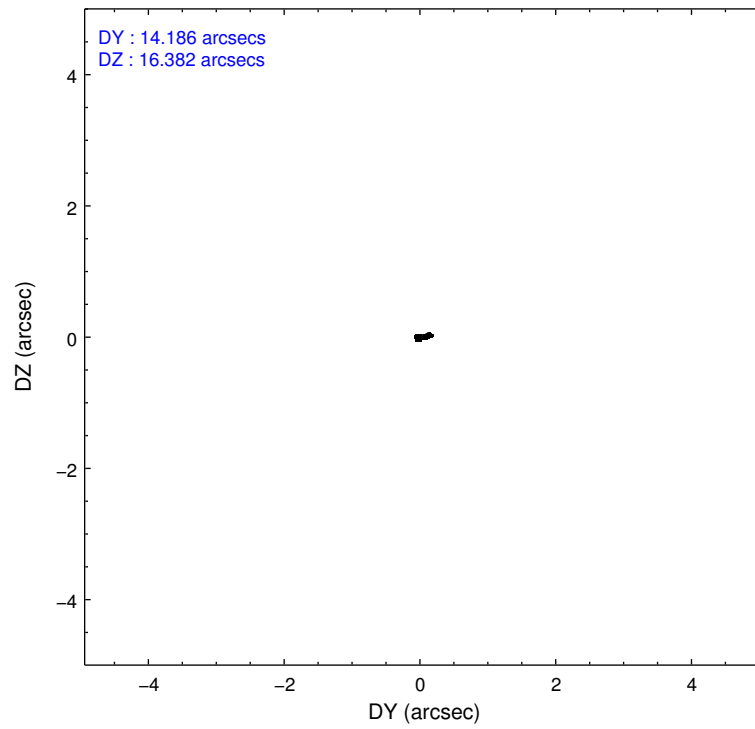
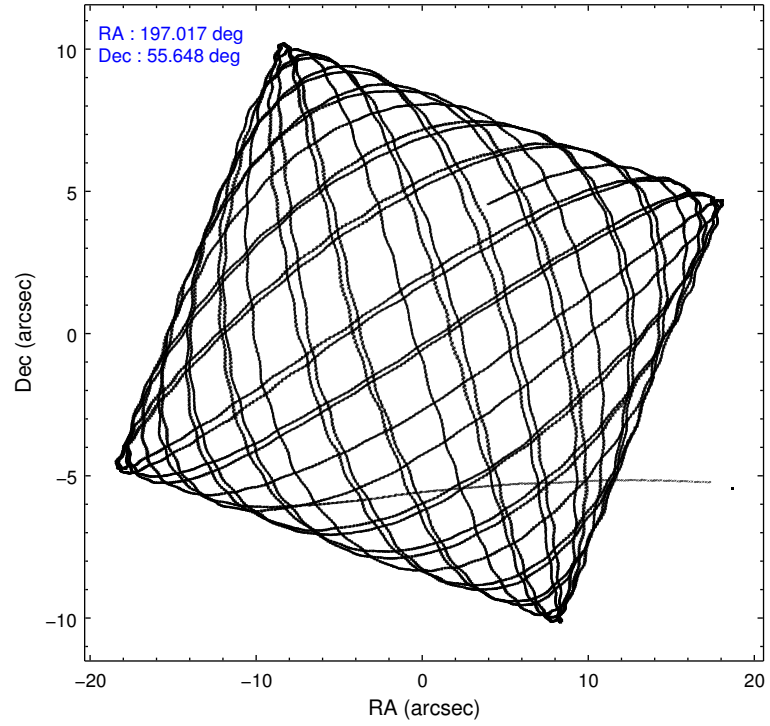
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	72866	69438	100867	72511	75732
rejected events	65351	62125	46976	64304	38382
rejected %	89%	89%	46%	88%	50%

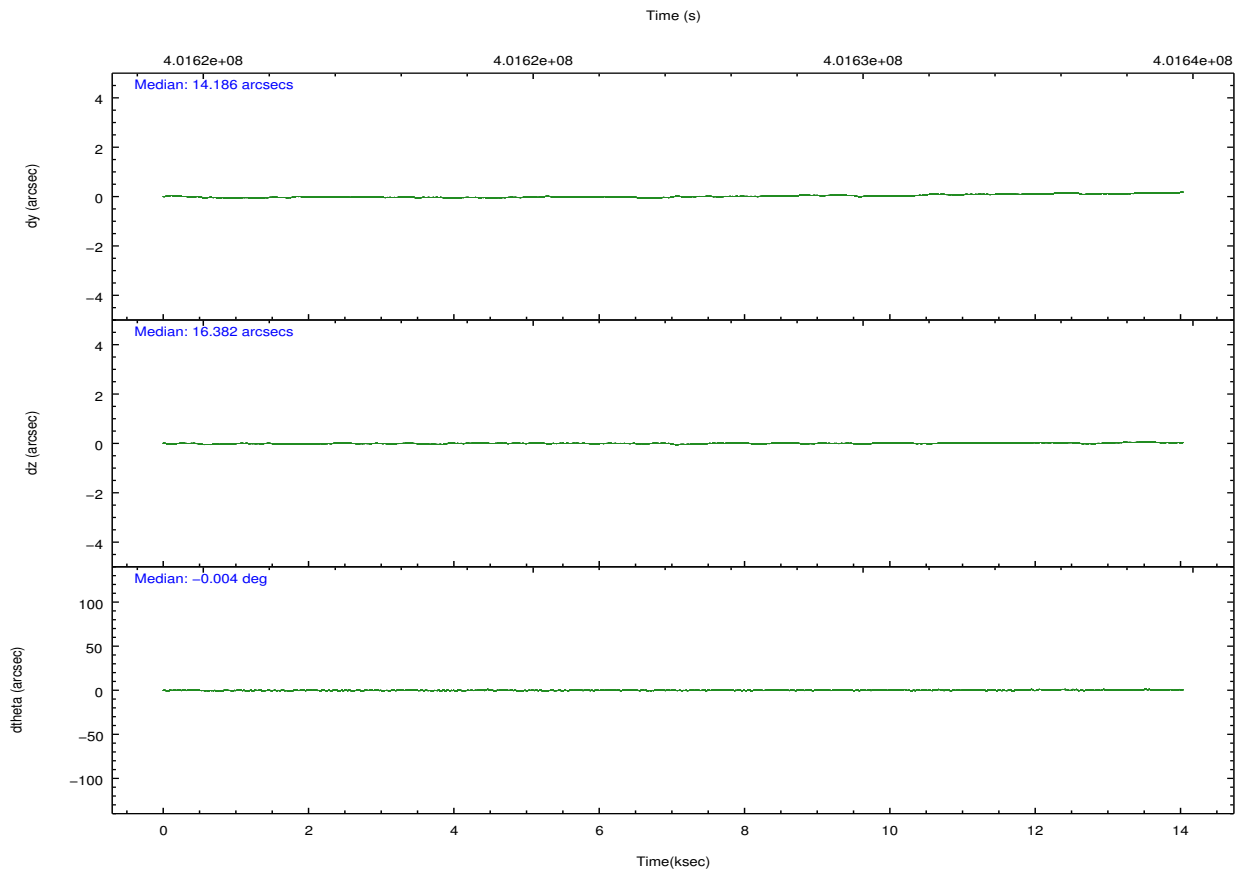
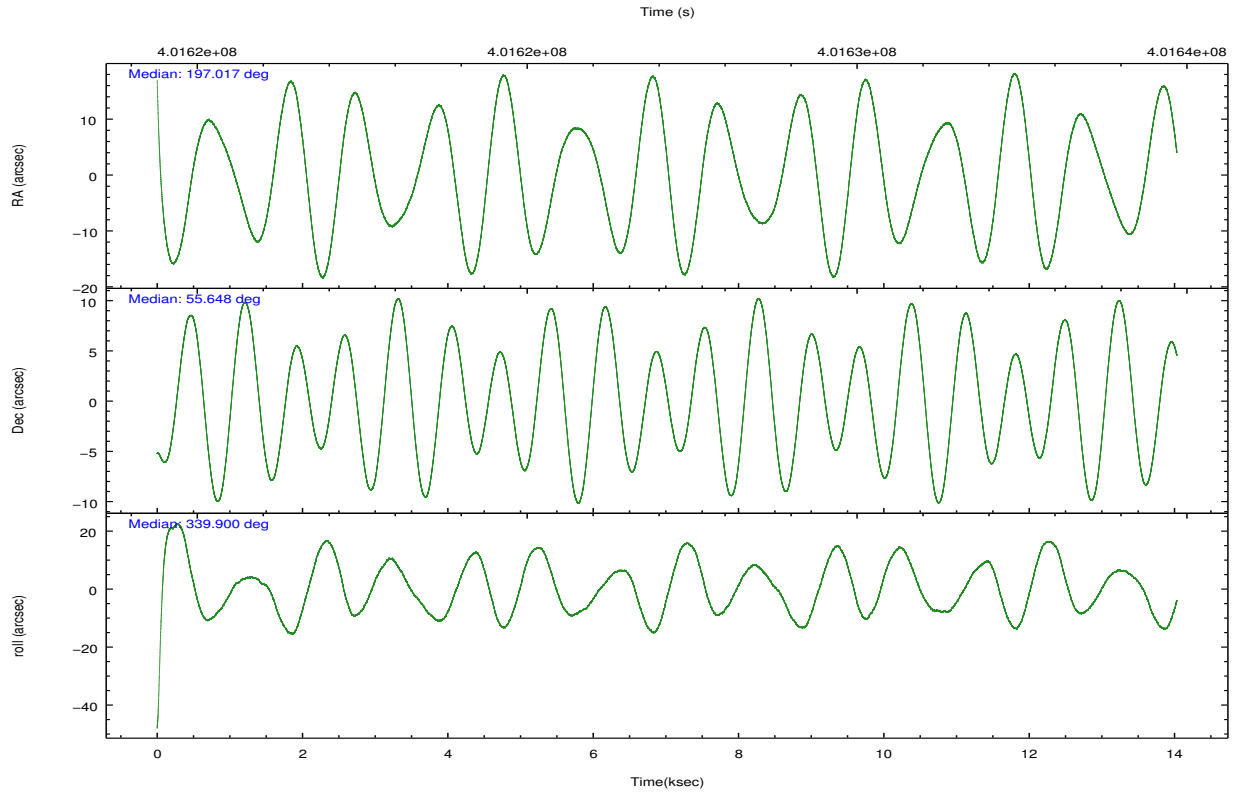
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2663	2670	7459	2828	3813
	3%	3%	7%	3%	5%
grade 1 events	44	32	319	45	87
	0%	0%	0%	0%	0%
grade 2 events	1833	1552	15836	1853	8223
	2%	2%	15%	2%	10%
grade 3 events	839	890	2418	912	3510
	1%	1%	2%	1%	4%
grade 4 events	868	844	2361	934	3610
	1%	1%	2%	1%	4%
grade 5 events	2145	2820	8171	2790	8213
	2%	4%	8%	3%	10%
grade 6 events	1313	1362	25835	1682	18209
	1%	1%	25%	2%	24%
grade 7 events	63161	59268	38468	61467	30067
	86%	85%	38%	84%	39%

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	196.969560	197.0171763724538	CCD I2 on	O2	Y
[deg] Pointing Dec	55.643277	55.6483570041306	CCD I3 on	O3	Y
[deg] Pointing Roll	339.786790	339.9040631267681	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	401620229.184000	401618512.60423	CCD S5 on	N	N
Observation start date	2010-09-23T09:09:23	2010-09-23T08:41:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	401634129.184000	401634747.06756	On-chip summing requested	N	N
Observation end date	2010-09-23T13:01:03	2010-09-23T13:12:27	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



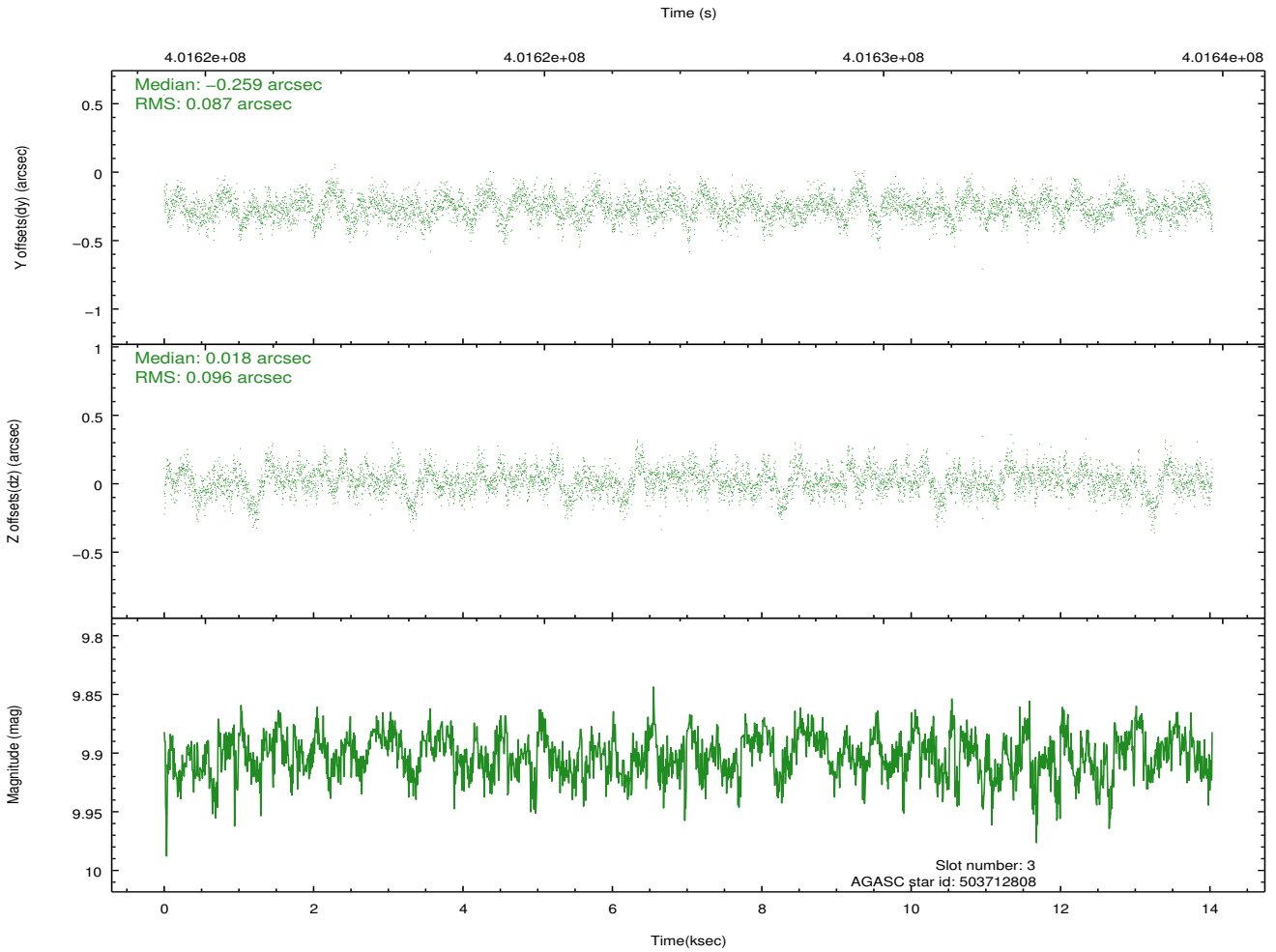
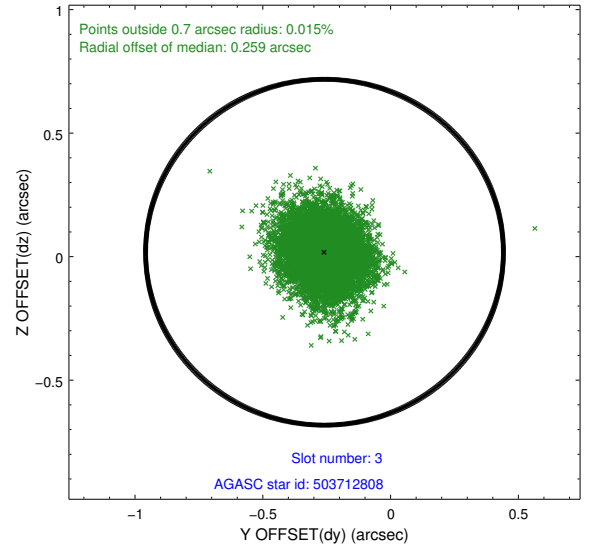
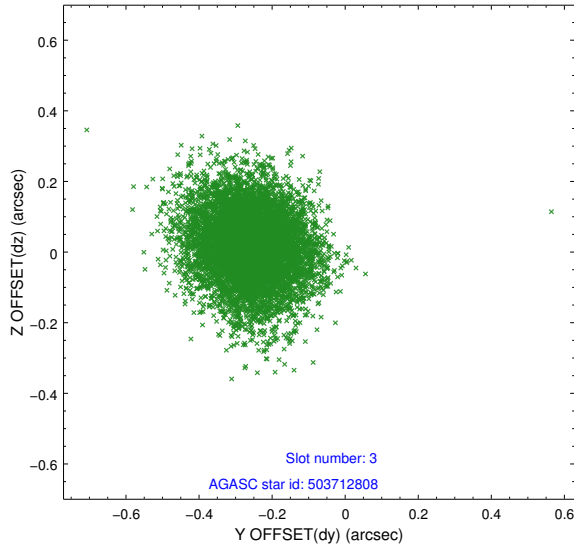


Slot Statistics

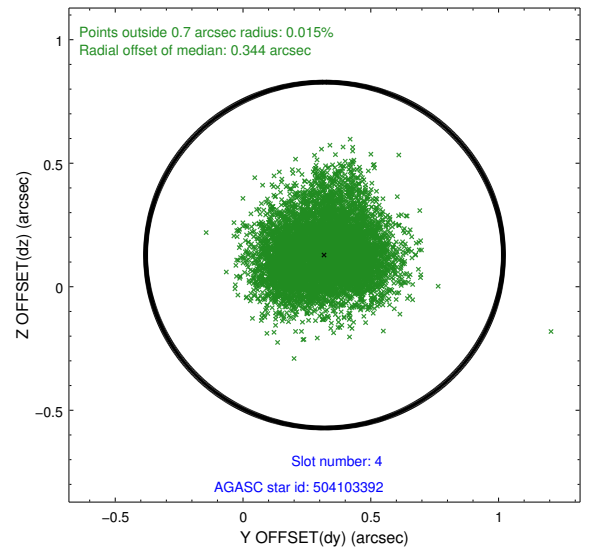
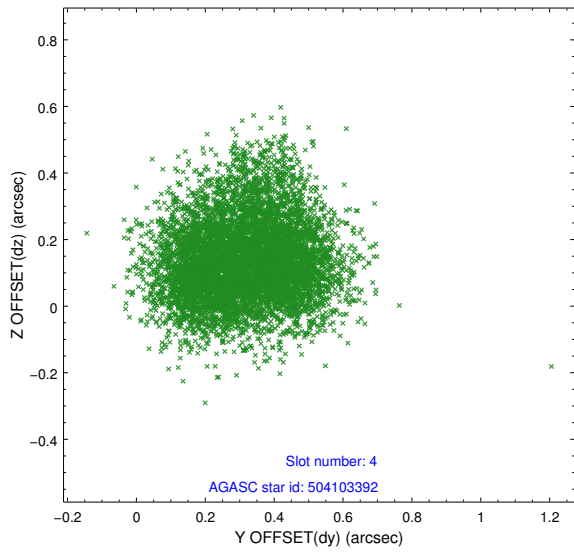
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	3423	-0.049	-0.014	0.007	0.010	0.000000	0.000000	-767.21	-1737.81
1	FID	ACIS-S-4	6.96	3423	0.171	0.028	0.005	0.010	0.000000	0.000000	2146.14	170.35
2	FID	ACIS-S-5	7.00	3423	-0.153	-0.005	0.006	0.010	0.000000	0.000000	-1819.72	164.39
3	GUIDE	503712808	9.90	6841	-0.259	0.018	0.138	0.223	197.326006	54.984299	1510.34	-1969.81
4	GUIDE	504103392	10.30	6830	0.319	0.128	0.193	0.301	195.762007	55.340855	-1950.07	-1855.90
5	GUIDE	504104352	9.34	6836	-0.061	-0.027	0.122	0.196	197.605623	55.960925	805.22	1521.01
6	GUIDE	504106056	8.89	6841	-0.131	-0.116	0.107	0.165	197.917232	55.926583	1437.36	1629.92
7	GUIDE	504106680	10.31	6822	0.145	-0.011	0.261	0.389	196.045871	55.723727	-1862.03	-363.20

2.4 Star Slots

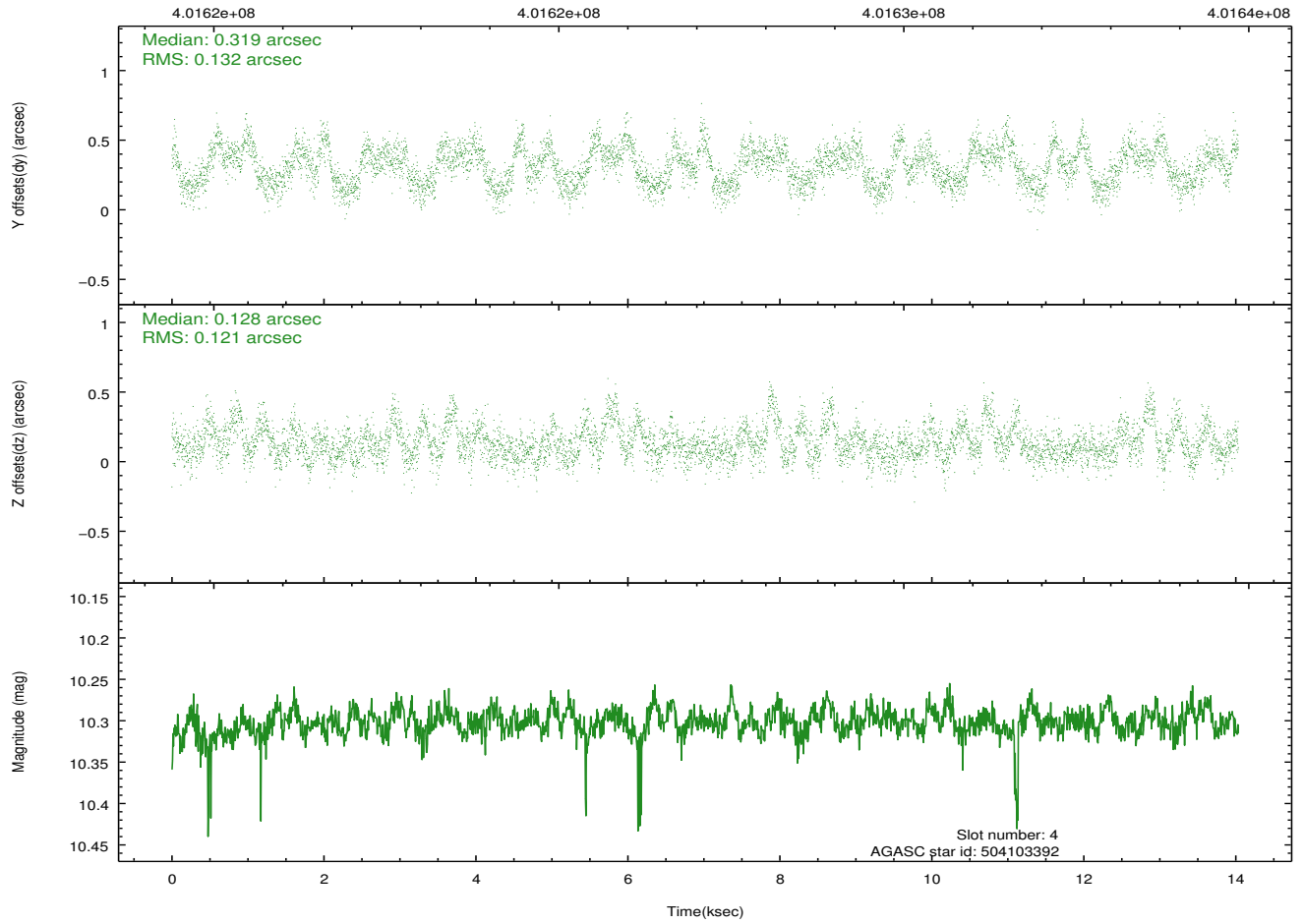
2.4.1 Slot 3



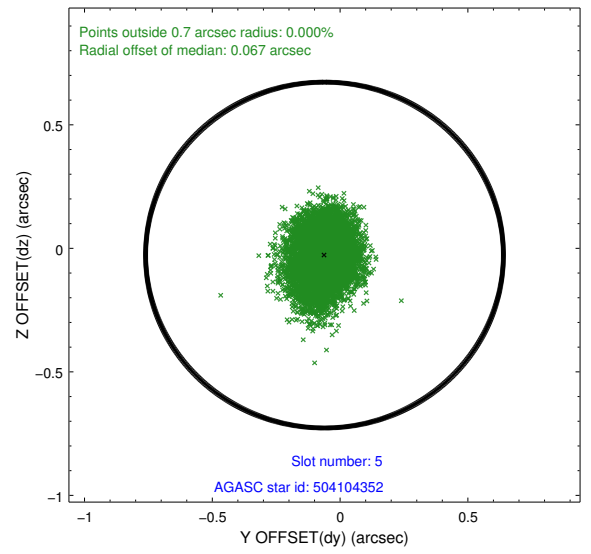
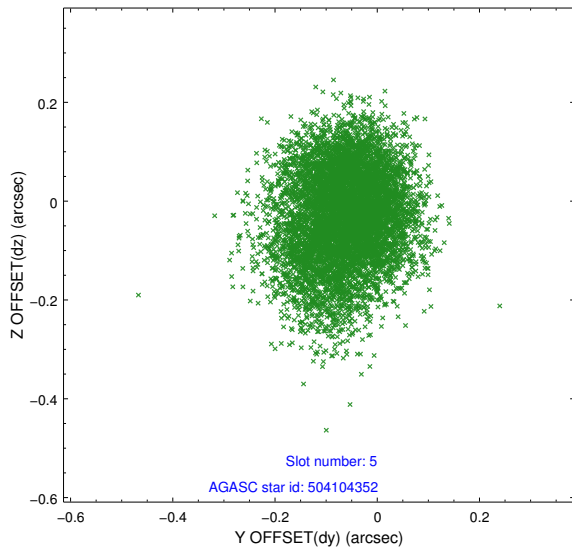
2.4.2 Slot 4



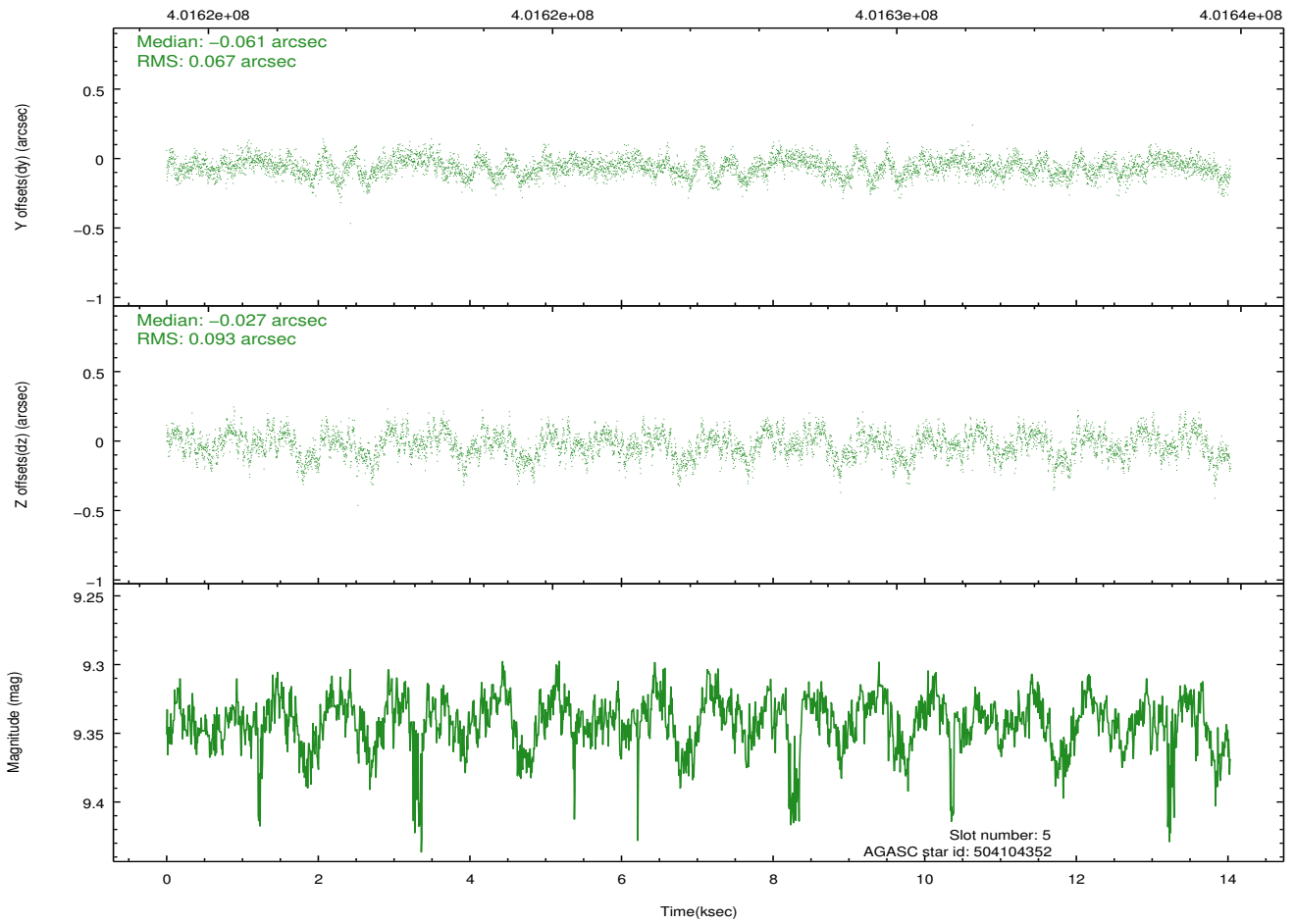
Time (s)



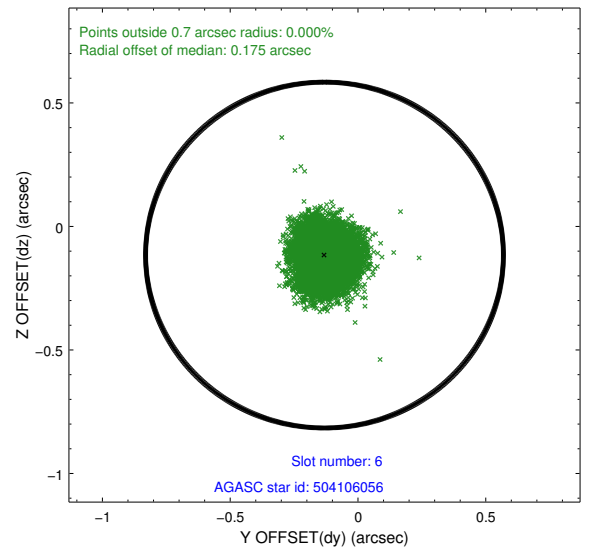
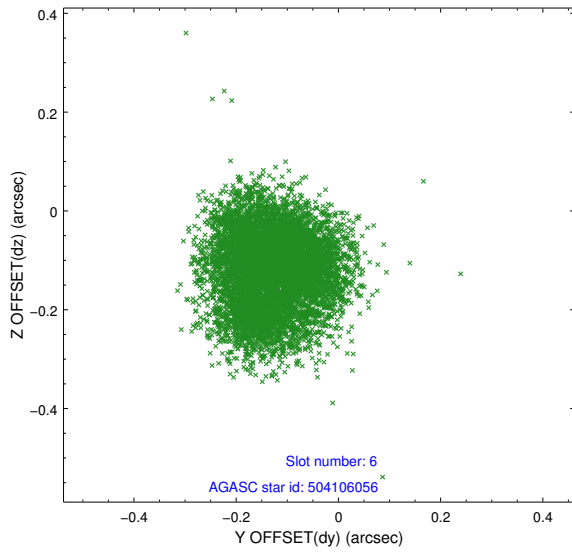
2.4.3 Slot 5



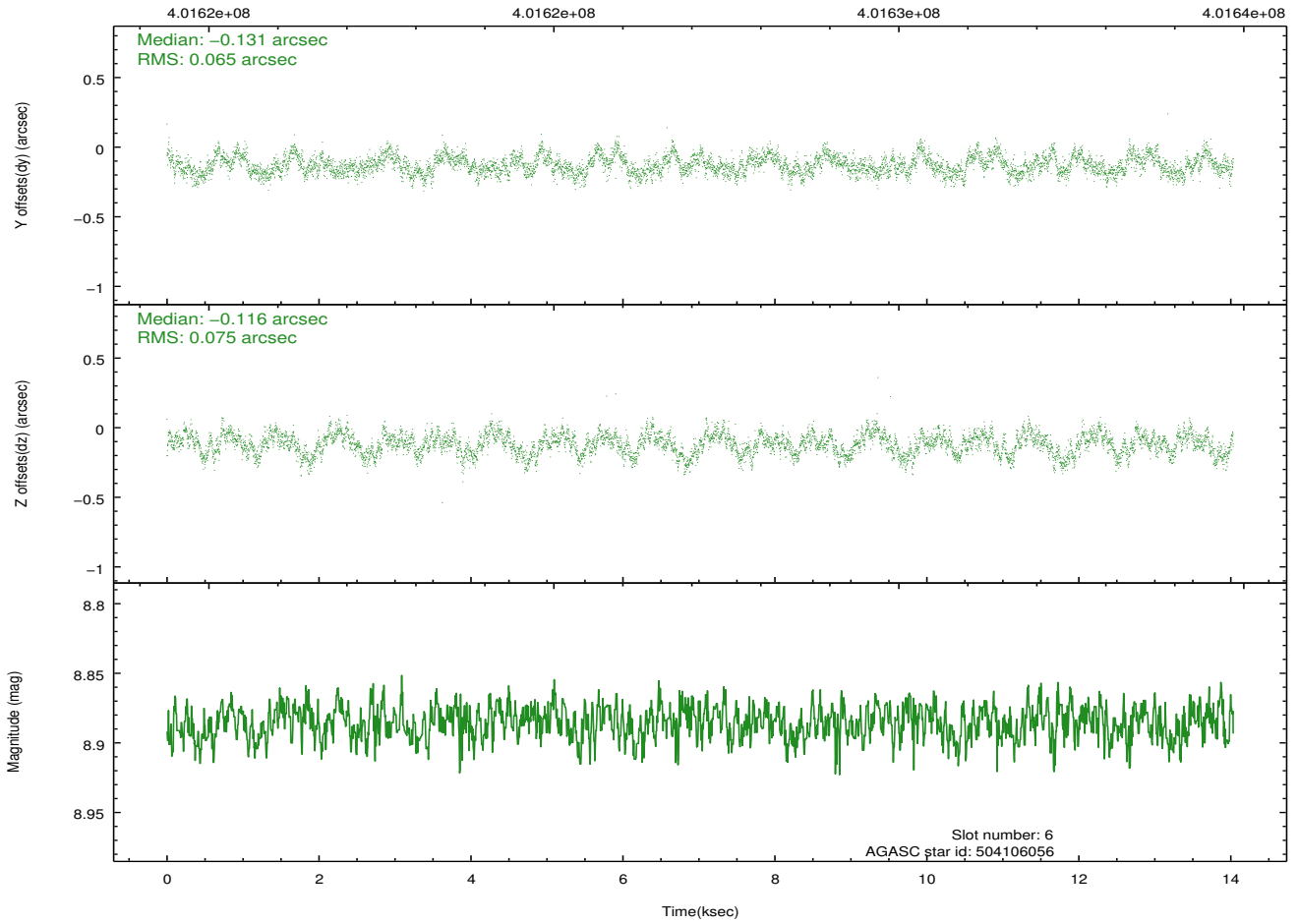
Time (s)



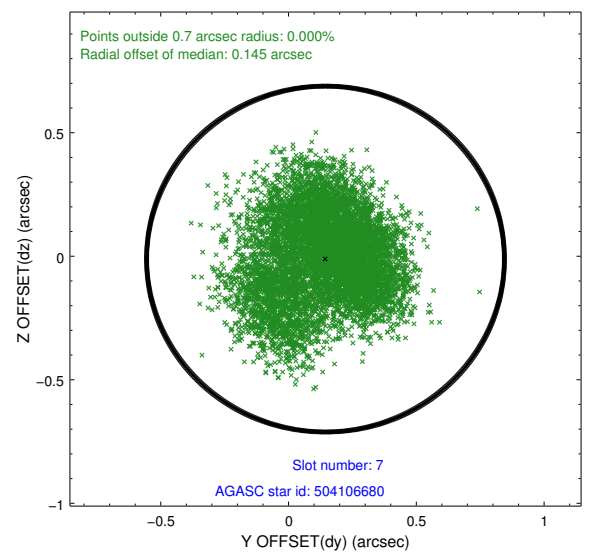
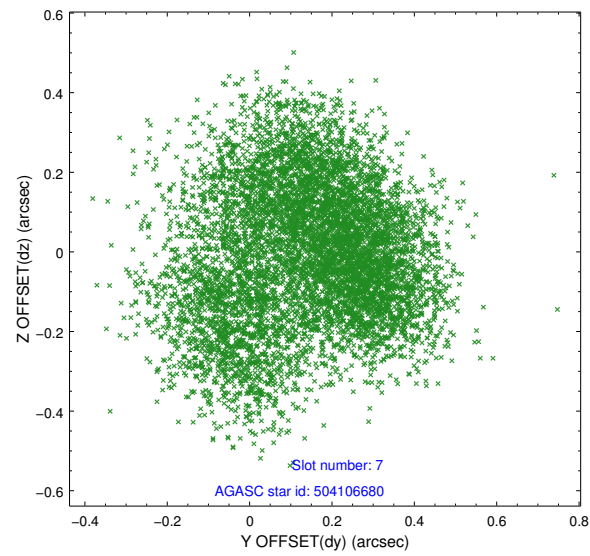
2.4.4 Slot 6



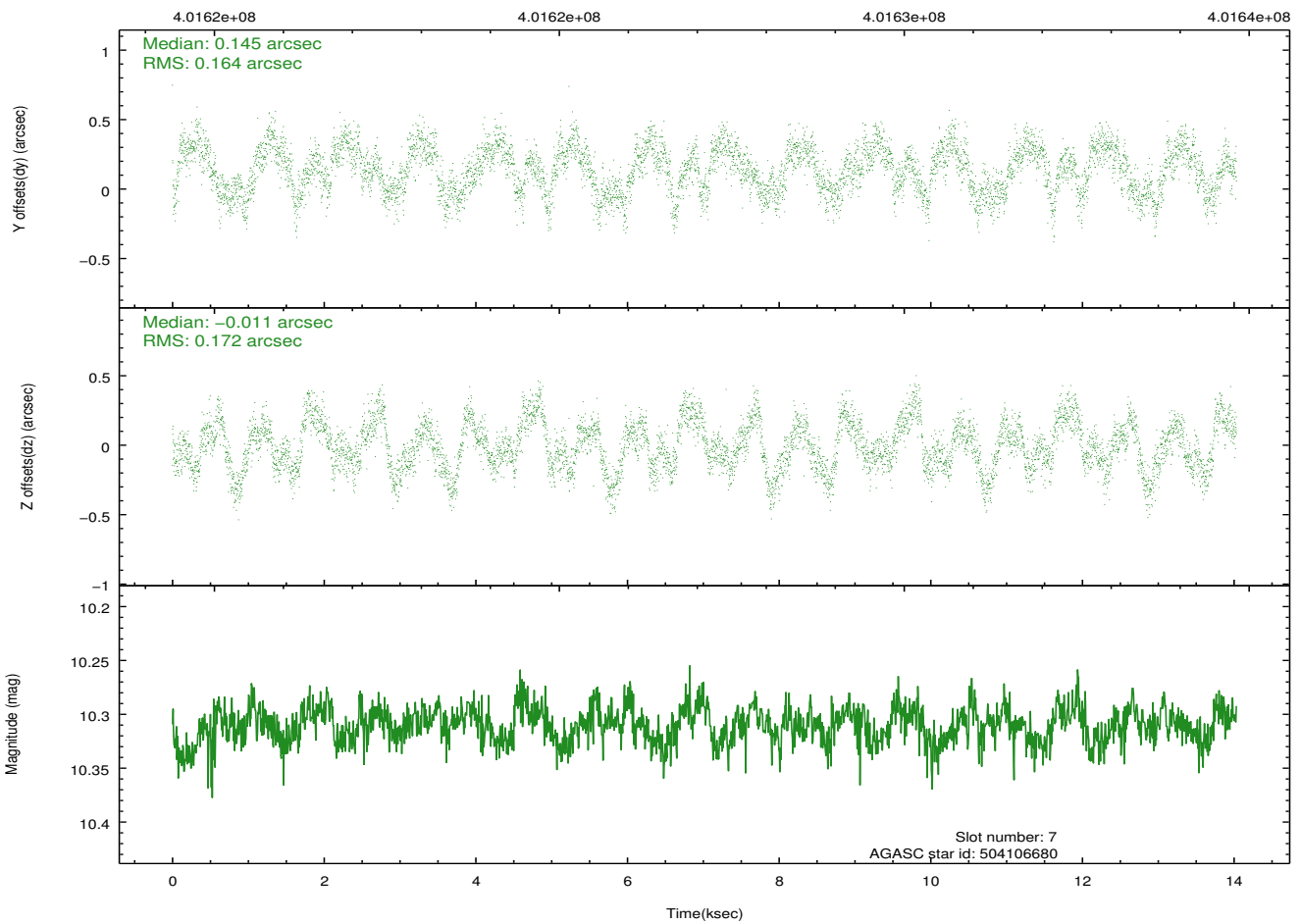
Time (s)



2.4.5 Slot 7

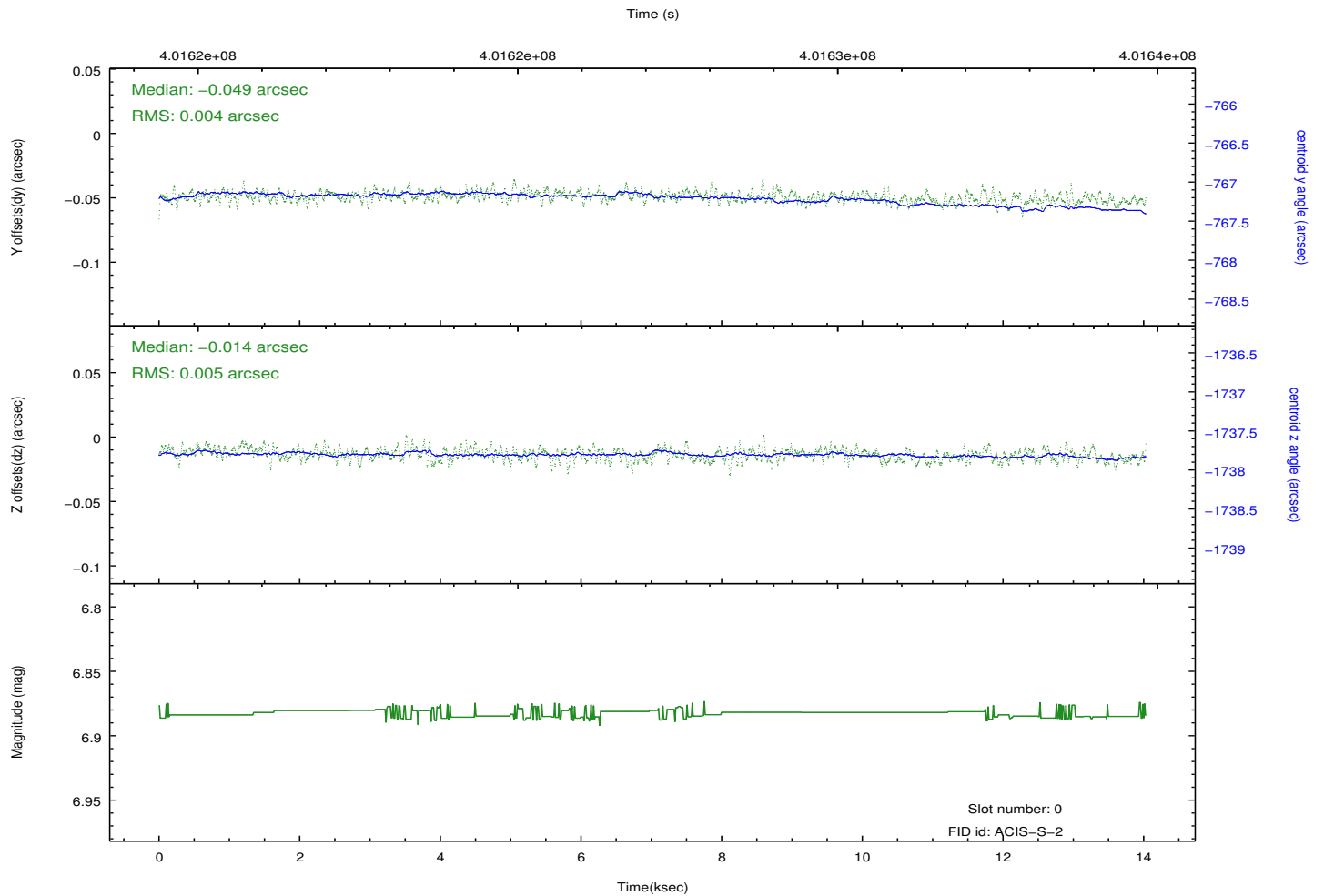
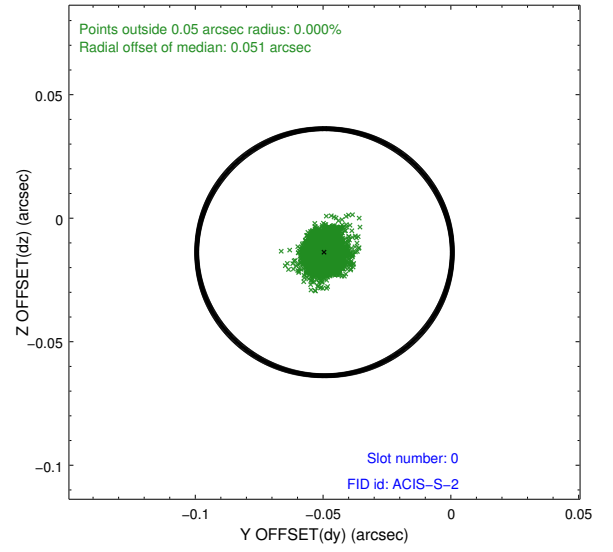
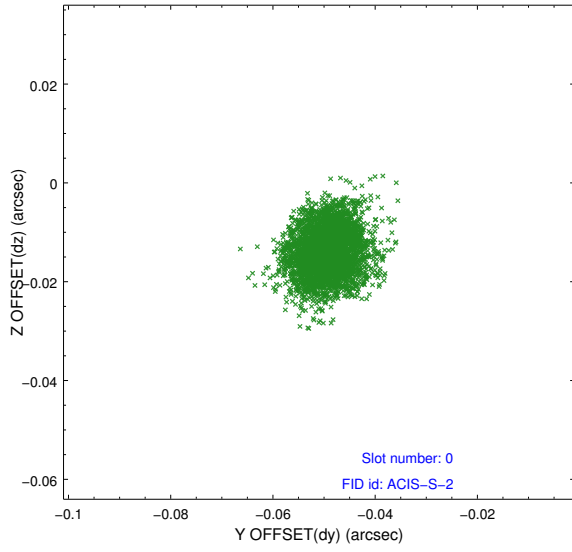


Time (s)

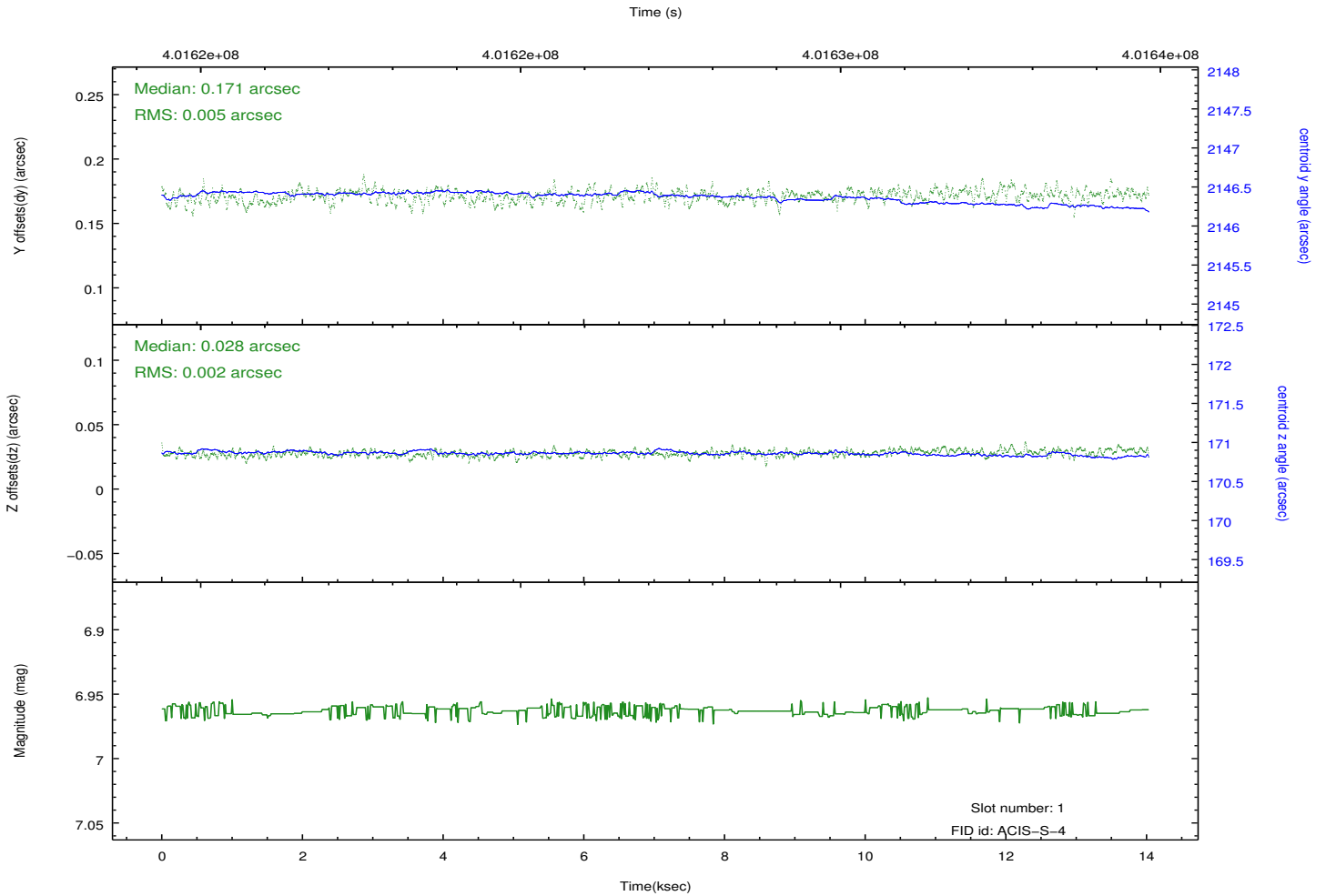
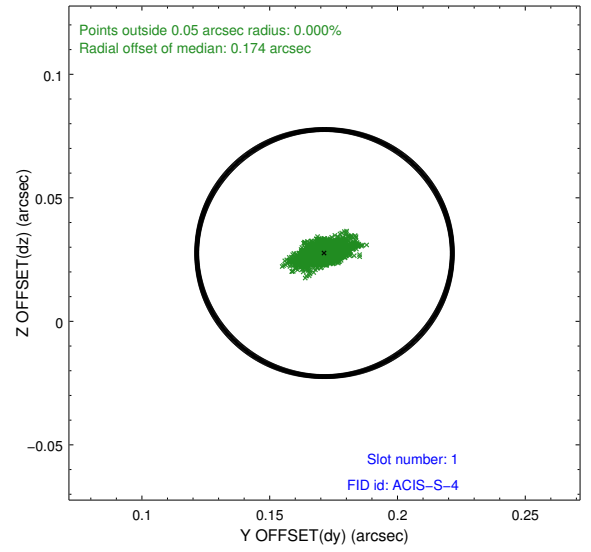
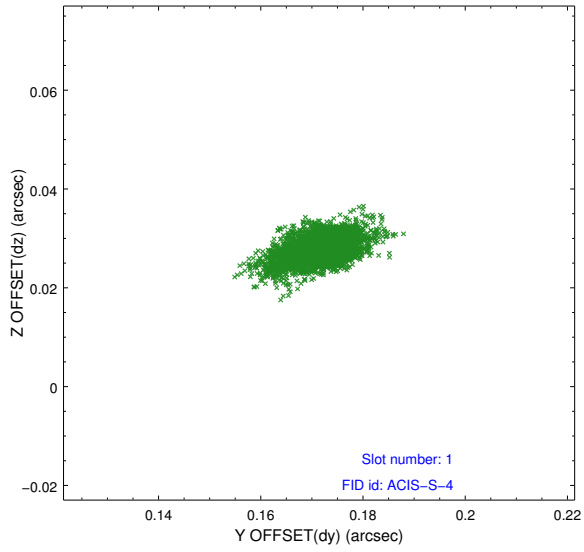


2.5 FID Slots

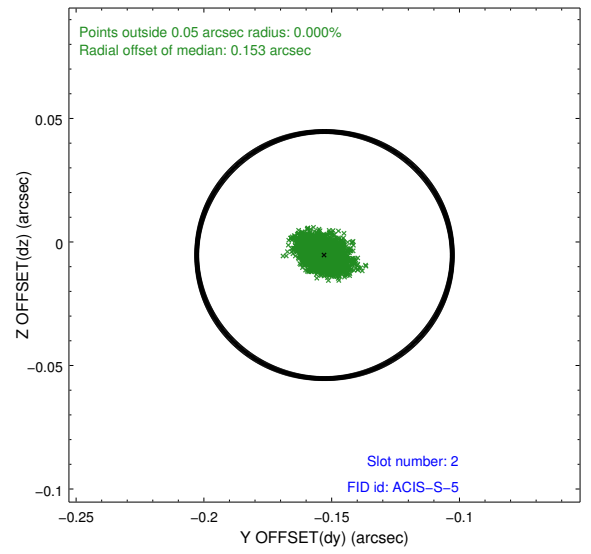
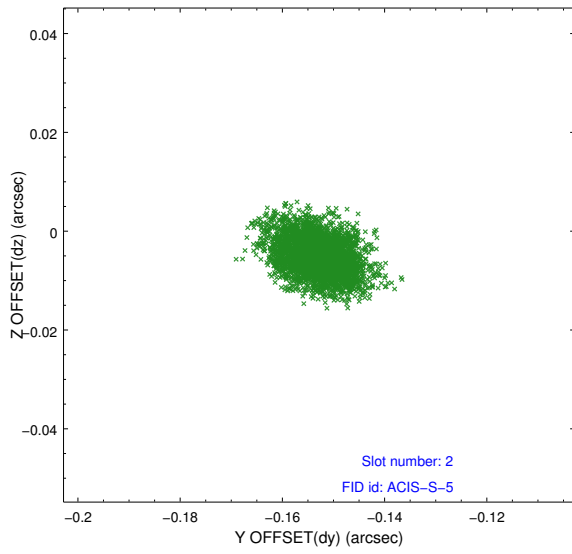
2.5.1 Slot 0



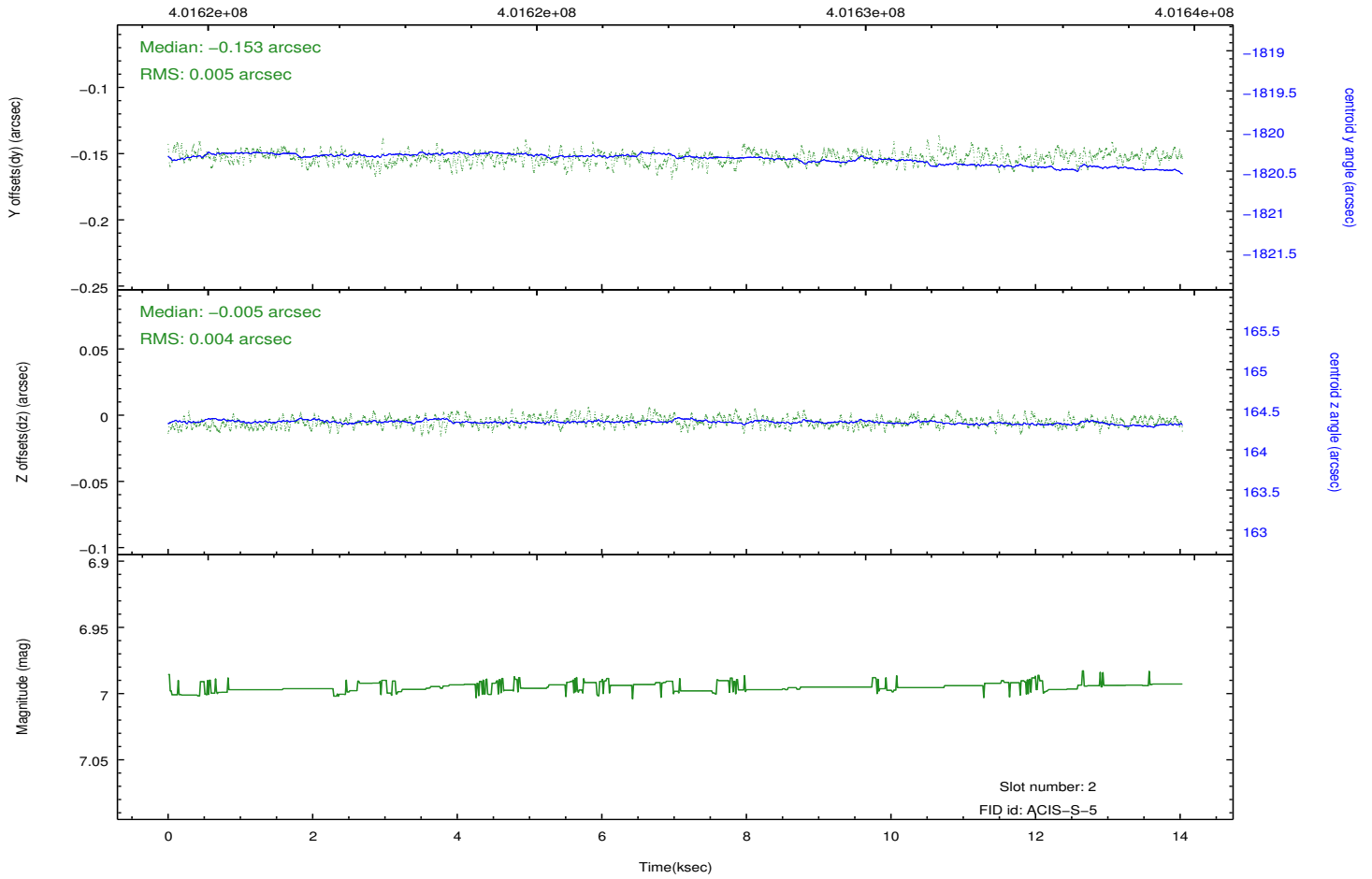
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.933927122176

A.2 Comments