

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11509 - L2 Version 2
Chandra X-Ray Center

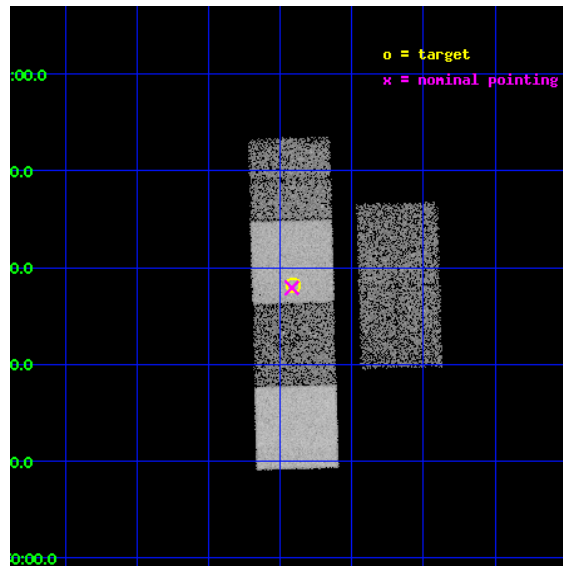
L2 Processing Date : Jun 13 2012

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

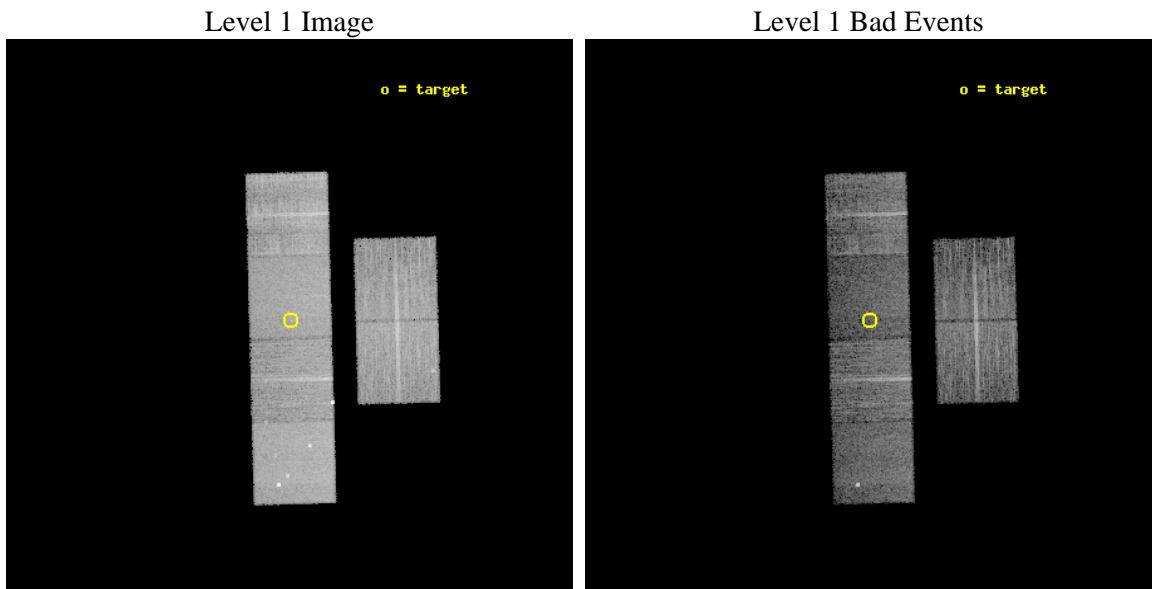
seq_num	702095	Sequence number
obs_id	11509	Observation id
title	Weak-line Quasars: Always X-ray Weak?	Proposal title
observer	Dr. Karen Leighly	Principal investigator
object	SDSS J215954.45-002150.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.977083	Observer's specified target RA [deg]
dec_targ	-0.363944	Observer's specified target Dec [deg]
ra_nom	329.97952252136	Nominal RA [deg]
dec_nom	-0.36811539801895	Nominal Dec [deg]
roll_nom	268.46236700543	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7878.3999707103	Sum of GTIs [s]
liveltime	7778.6389264782	Livetime [s]
ontime2	7878.3999707103	Sum of GTIs [s]
ontime3	7878.3999707103	Sum of GTIs [s]
ontime5	7878.3999707103	Sum of GTIs [s]
ontime6	7875.1589403749	Sum of GTIs [s]
ontime7	7878.3999707103	Sum of GTIs [s]
ontime8	7878.3999707103	Sum of GTIs [s]
l2events	104919	Number of level 2 events



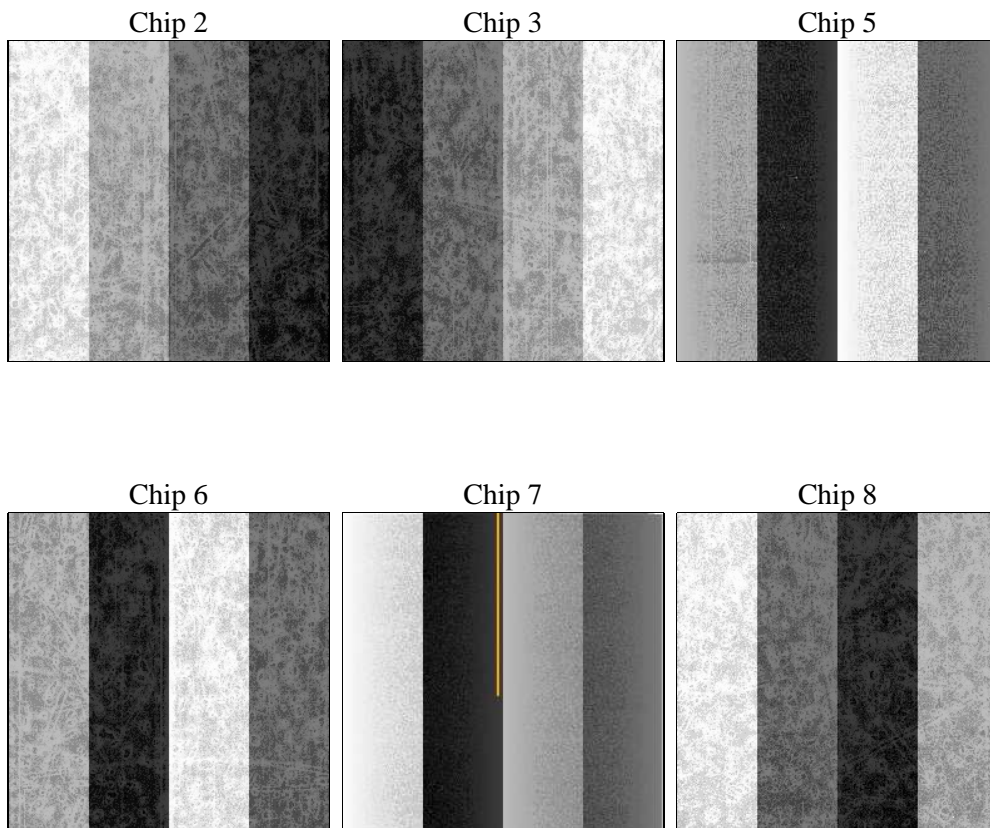
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7878.3999707103	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	7878.3999707103	Sum of GTIs [s]
date	2012-06-13T19:22:09	Date and time of file creation	ontime3	7878.3999707103	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7878.3999707103	Sum of GTIs [s]
			ontime6	7875.1589403749	Sum of GTIs [s]
			ontime7	7878.3999707103	Sum of GTIs [s]
			ontime8	7878.3999707103	Sum of GTIs [s]
			l1events	501914	Number of level 1 events

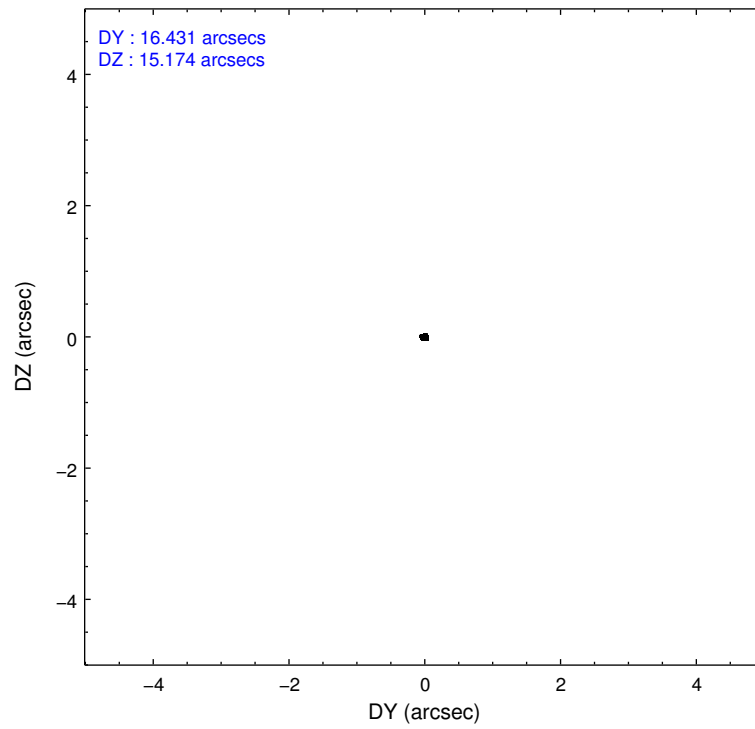
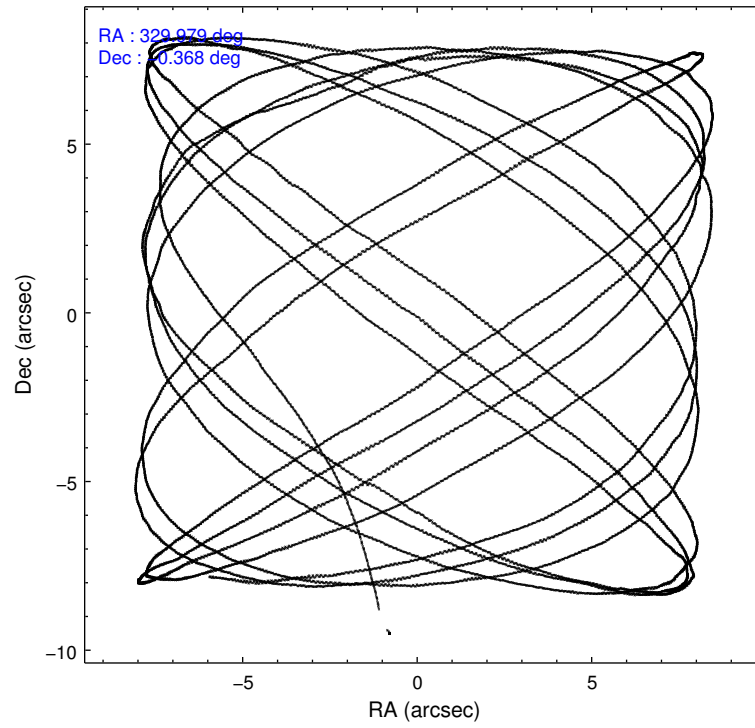
2.1.4 Events

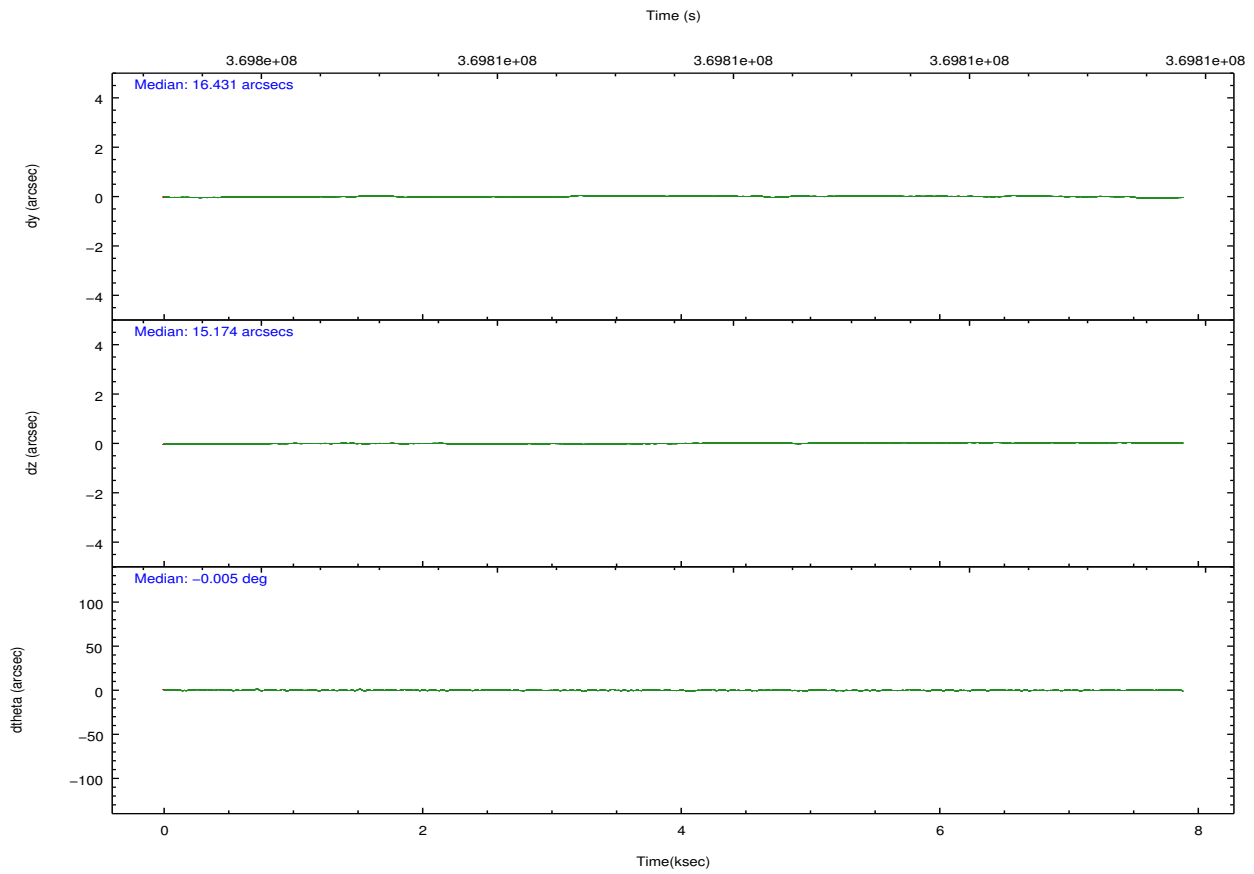
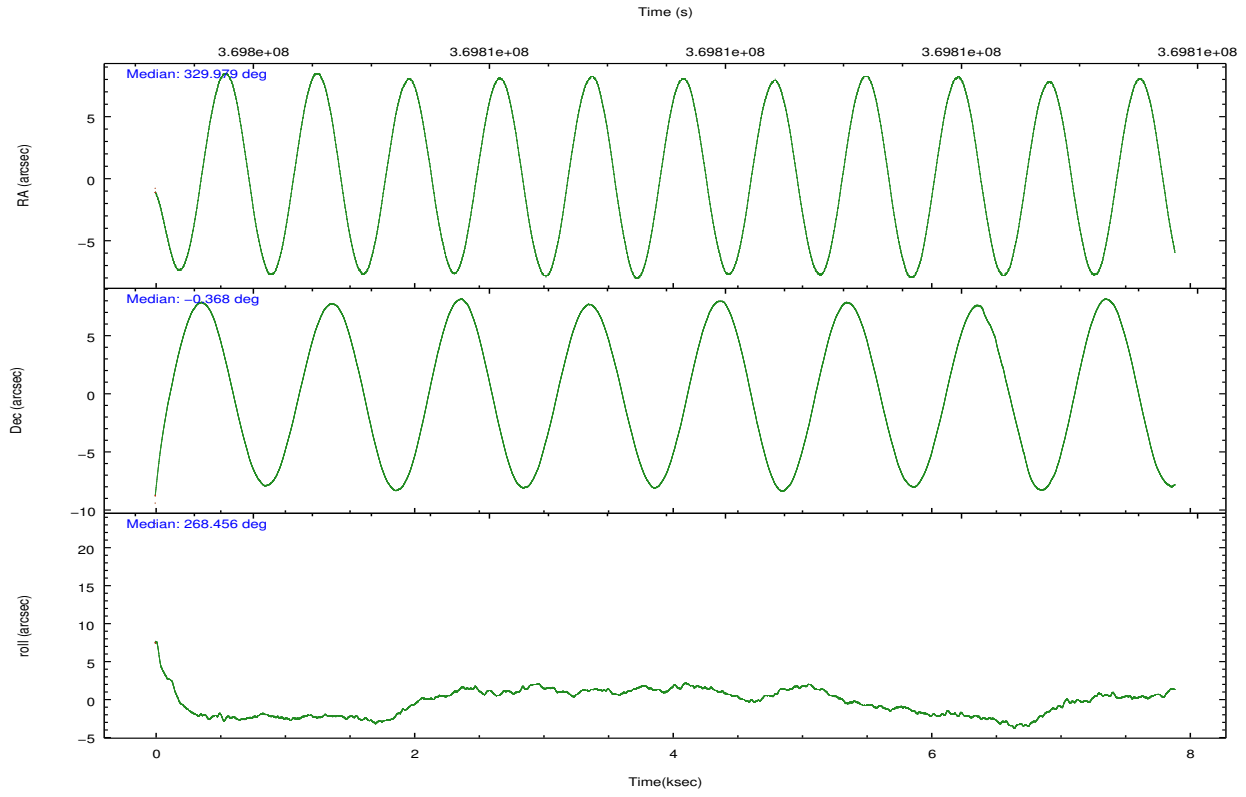
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	77730	69862	105053	75950	83246	90073	grade 0 events	2687	2363	5589	5095	3441	6841
rejected events	70520	63405	55494	66548	47244	67748		3%	3%	5%	6%	4%	7%
rejected %	90%	90%	52%	87%	56%	75%	grade 1 events	49	41	453	55	122	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	2035	1546	16053	1660	7732	5426
								2%	2%	15%	2%	9%	6%
							grade 3 events	756	733	2032	785	3423	2518
								0%	1%	1%	1%	4%	2%
							grade 4 events	735	754	1887	811	3369	2366
								0%	1%	1%	1%	4%	2%
							grade 5 events	2447	3022	8255	3075	8571	4392
								3%	4%	7%	4%	10%	4%
							grade 6 events	1350	1428	26708	1552	19954	6286
								1%	2%	25%	2%	23%	6%
							grade 7 events	67671	59975	44076	62917	36634	62168
								87%	85%	41%	82%	44%	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	329.966161	329.9795225213553	CCD I2 on	O1	Y
[deg] Pointing Dec	-0.344286	-0.3681153980189539	CCD I3 on	O2	Y
[deg] Pointing Roll	268.305643	268.4623670054312	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	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	Y	Y
[s] Observation start time (MET)	369803733.184000	369802447.43872	CCD S5 on	N	N
Observation start date	2009-09-20T03:14:27	2009-09-20T02:54:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	369811433.184000	369812020.9392	On-chip summing requested	N	N
Observation end date	2009-09-20T05:22:47	2009-09-20T05:33:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



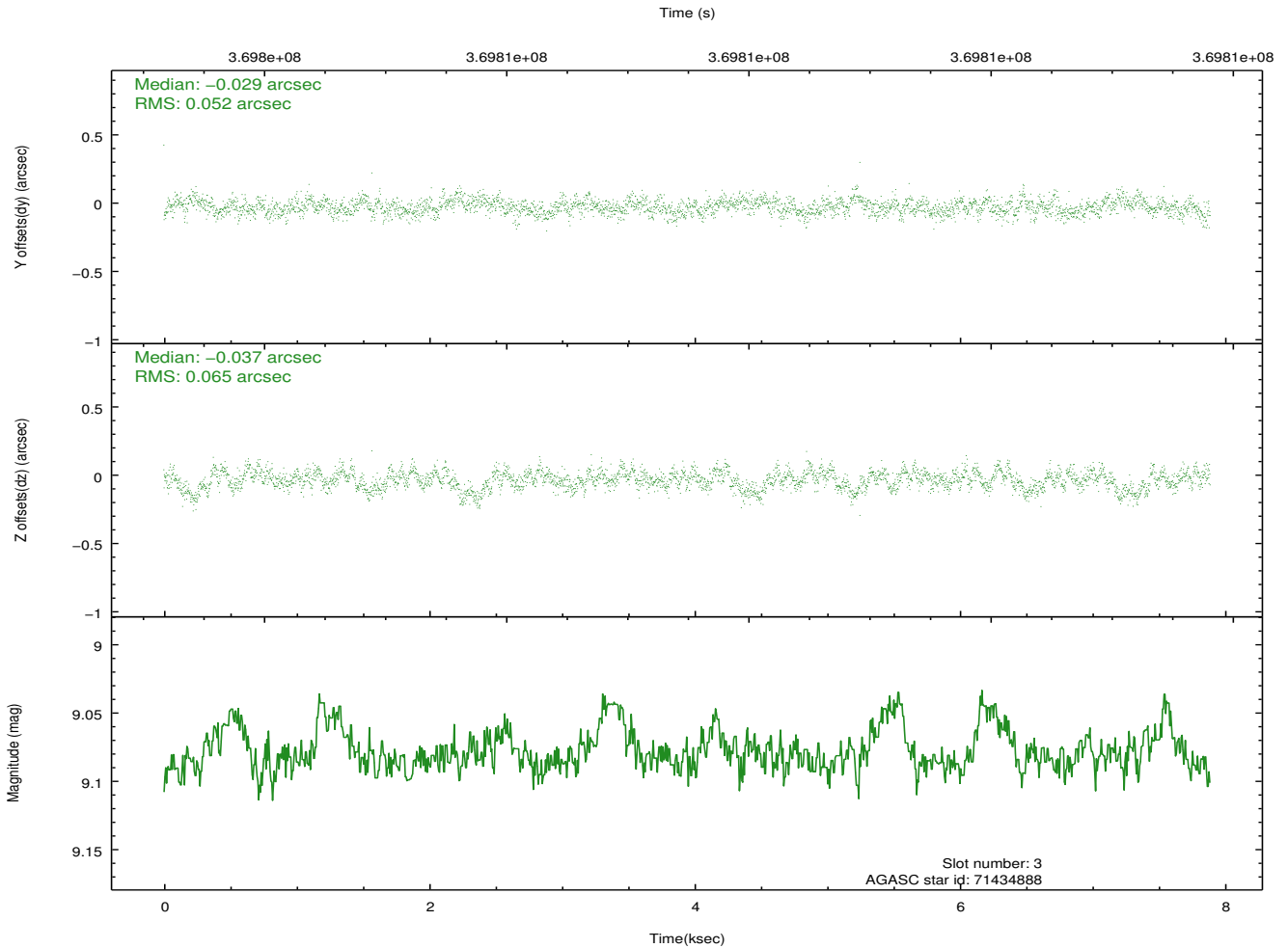
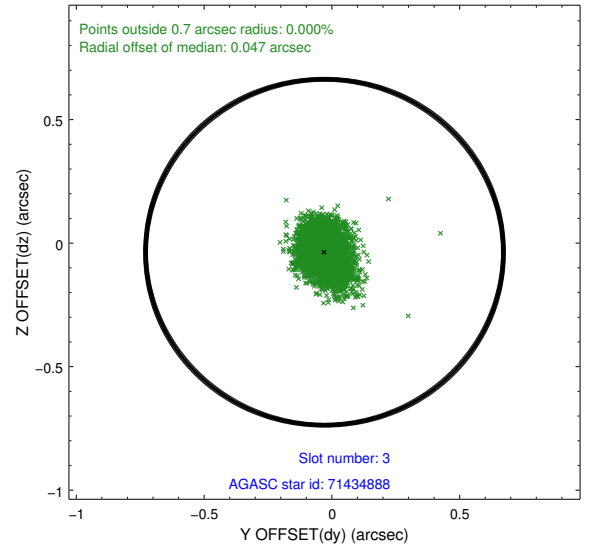
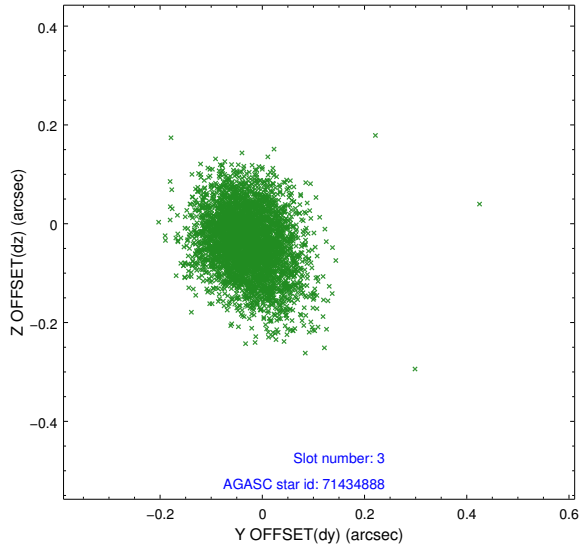


Slot Statistics

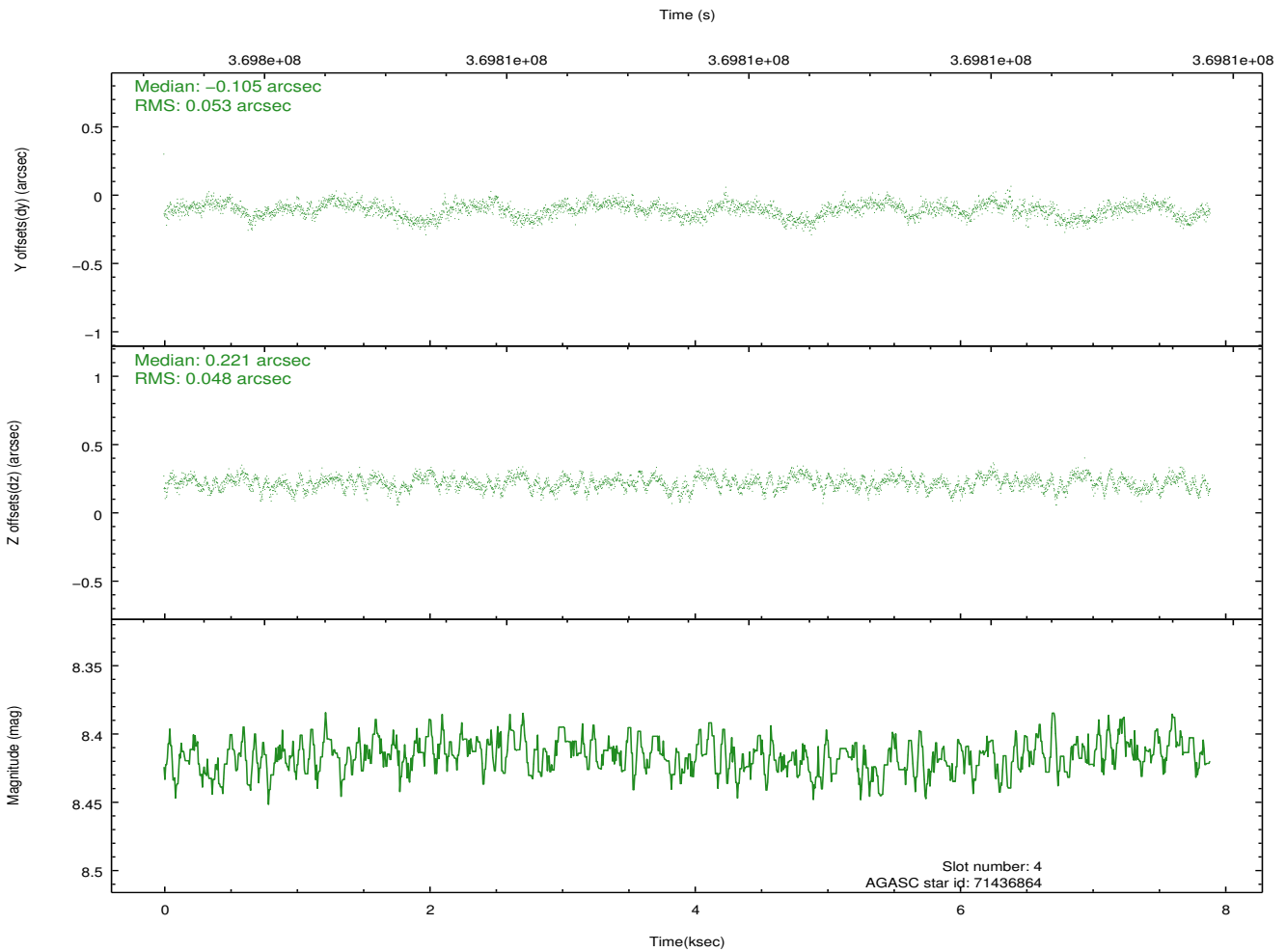
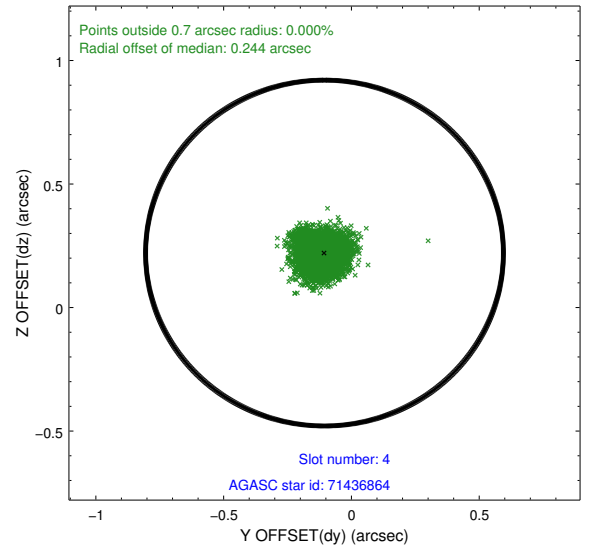
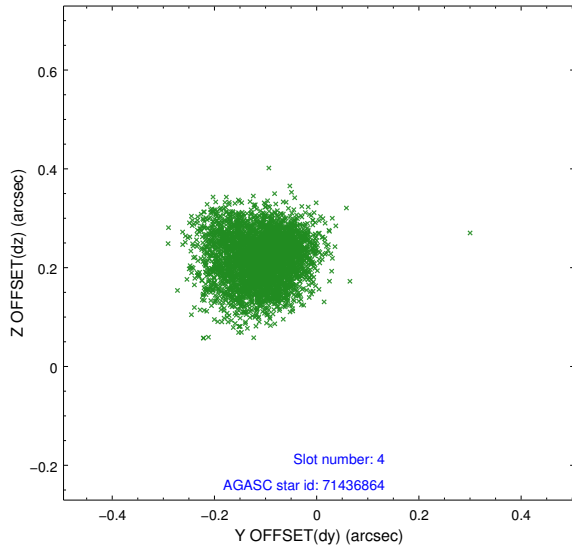
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	1925	-0.100	-0.029	0.006	0.010	0.000000	0.000000	-769.51	-1736.50
1	FID	ACIS-S-4	7.03	1925	0.202	0.056	0.005	0.009	0.000000	0.000000	2143.71	171.37
2	FID	ACIS-S-5	7.07	1925	-0.133	-0.018	0.006	0.011	0.000000	0.000000	-1821.50	165.73
3	GUIDE	71434888	9.08	3843	-0.029	-0.037	0.086	0.143	329.758939	0.210064	-1972.07	-804.36
4	GUIDE	71436864	8.42	3849	-0.105	0.221	0.077	0.124	329.740218	0.095687	-1559.21	-859.81
5	GUIDE	683017648	9.17	3841	0.103	-0.038	0.146	0.230	329.517360	-0.856381	1891.09	-1560.20
6	GUIDE	683023096	8.47	3849	0.134	-0.114	0.089	0.140	329.288214	-0.783543	1654.68	-2392.30
7	GUIDE	684731920	8.93	3831	-0.091	-0.028	0.080	0.128	330.479561	-0.323745	-127.86	1844.54

2.4 Star Slots

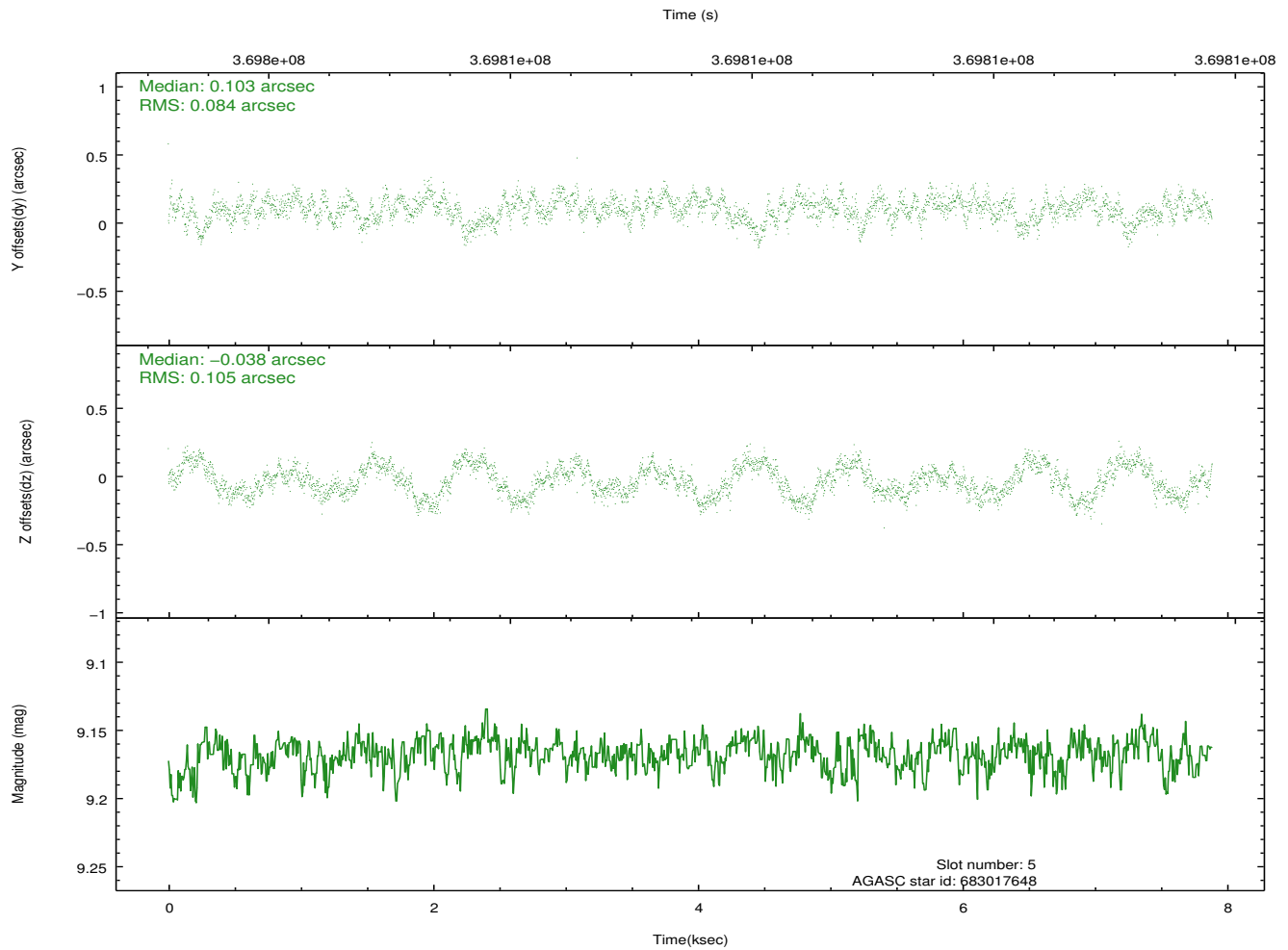
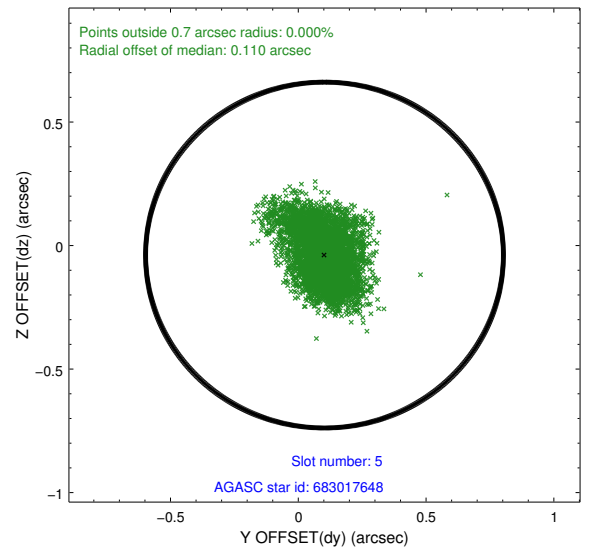
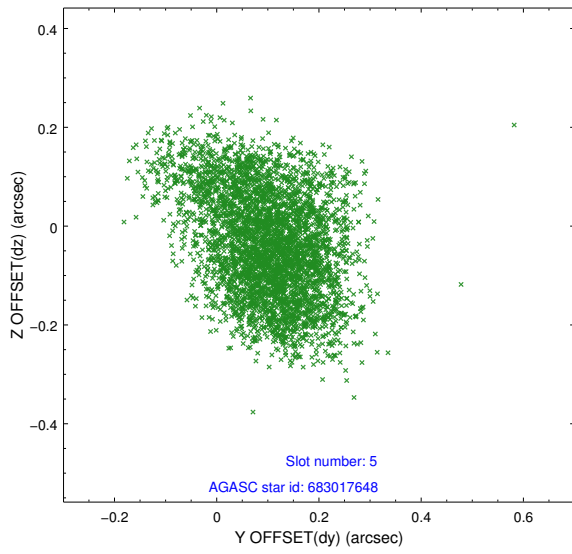
2.4.1 Slot 3



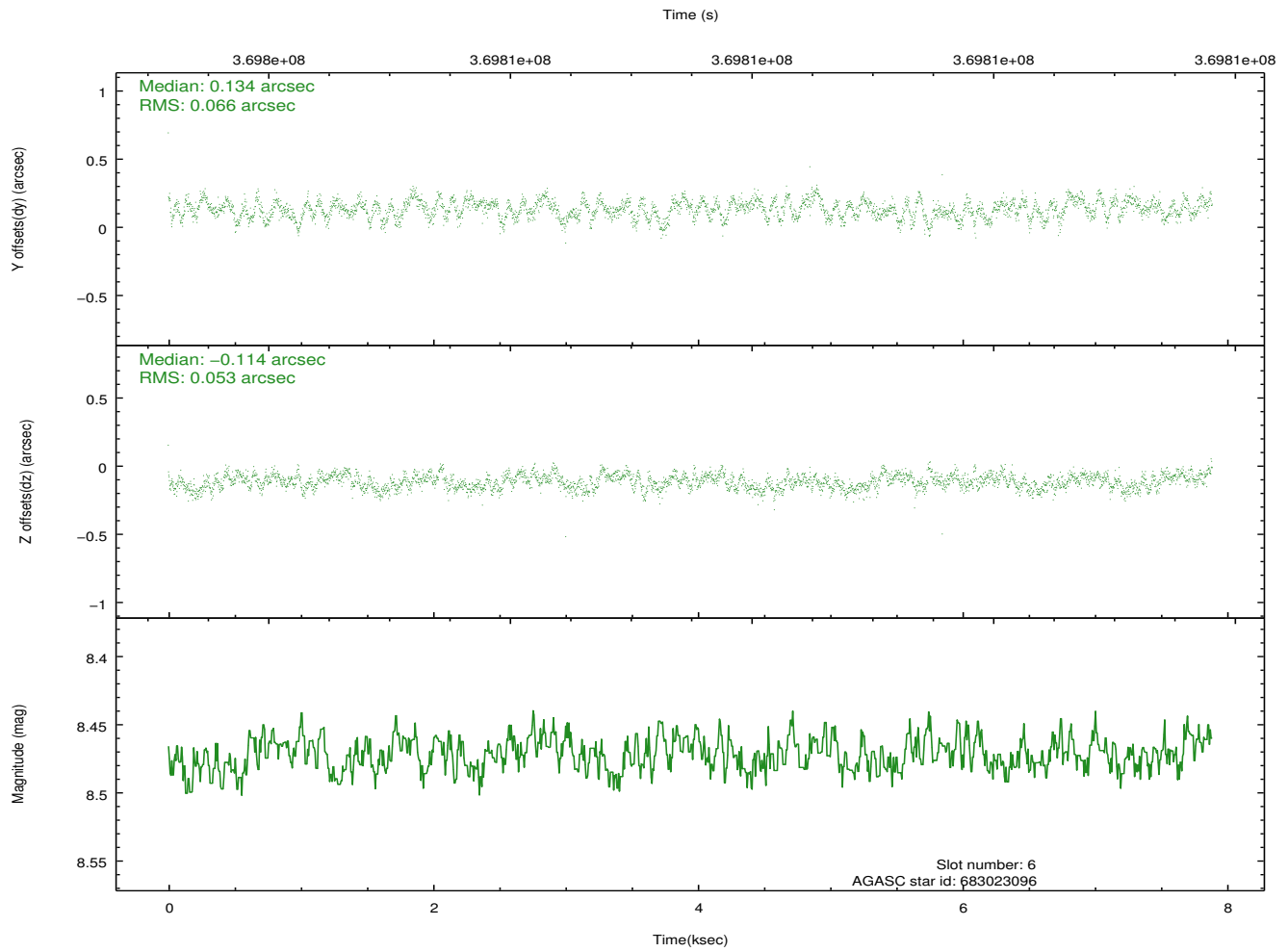
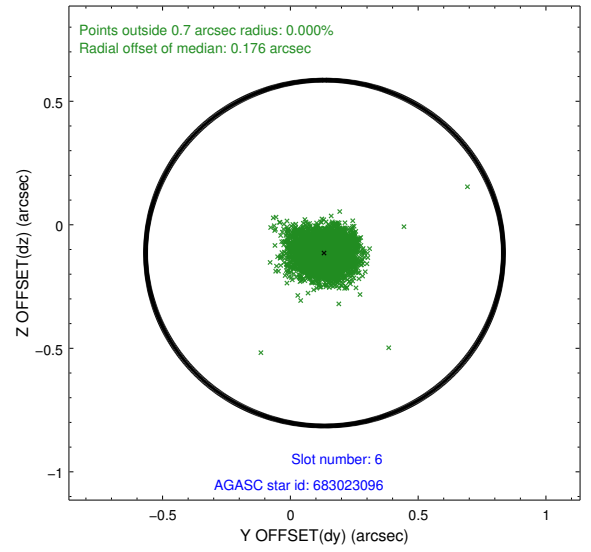
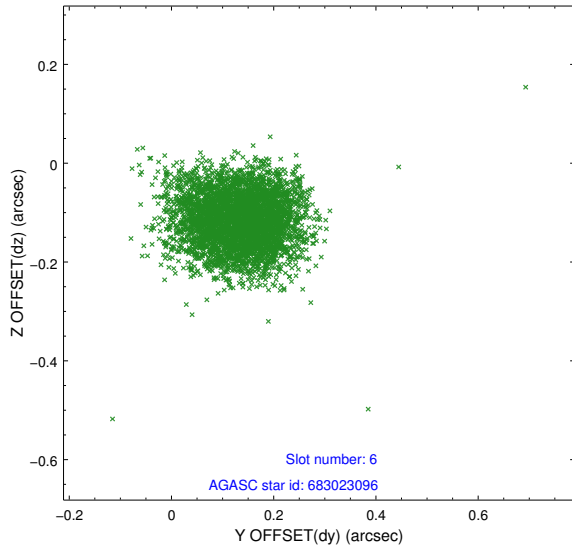
2.4.2 Slot 4



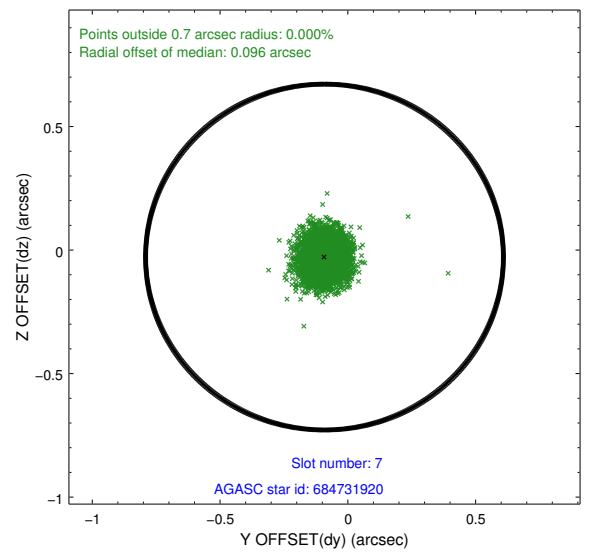
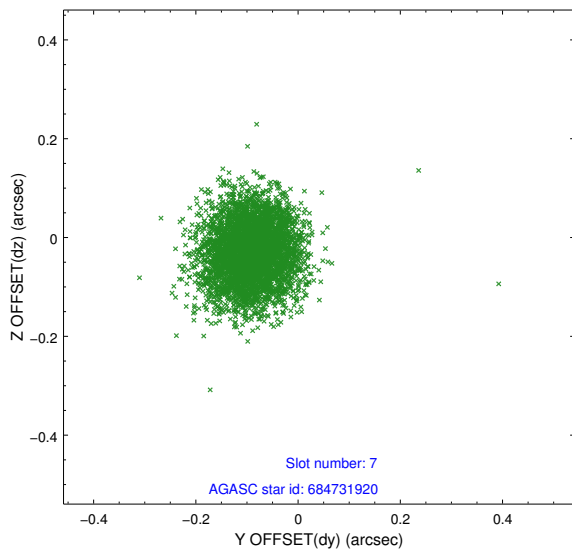
2.4.3 Slot 5



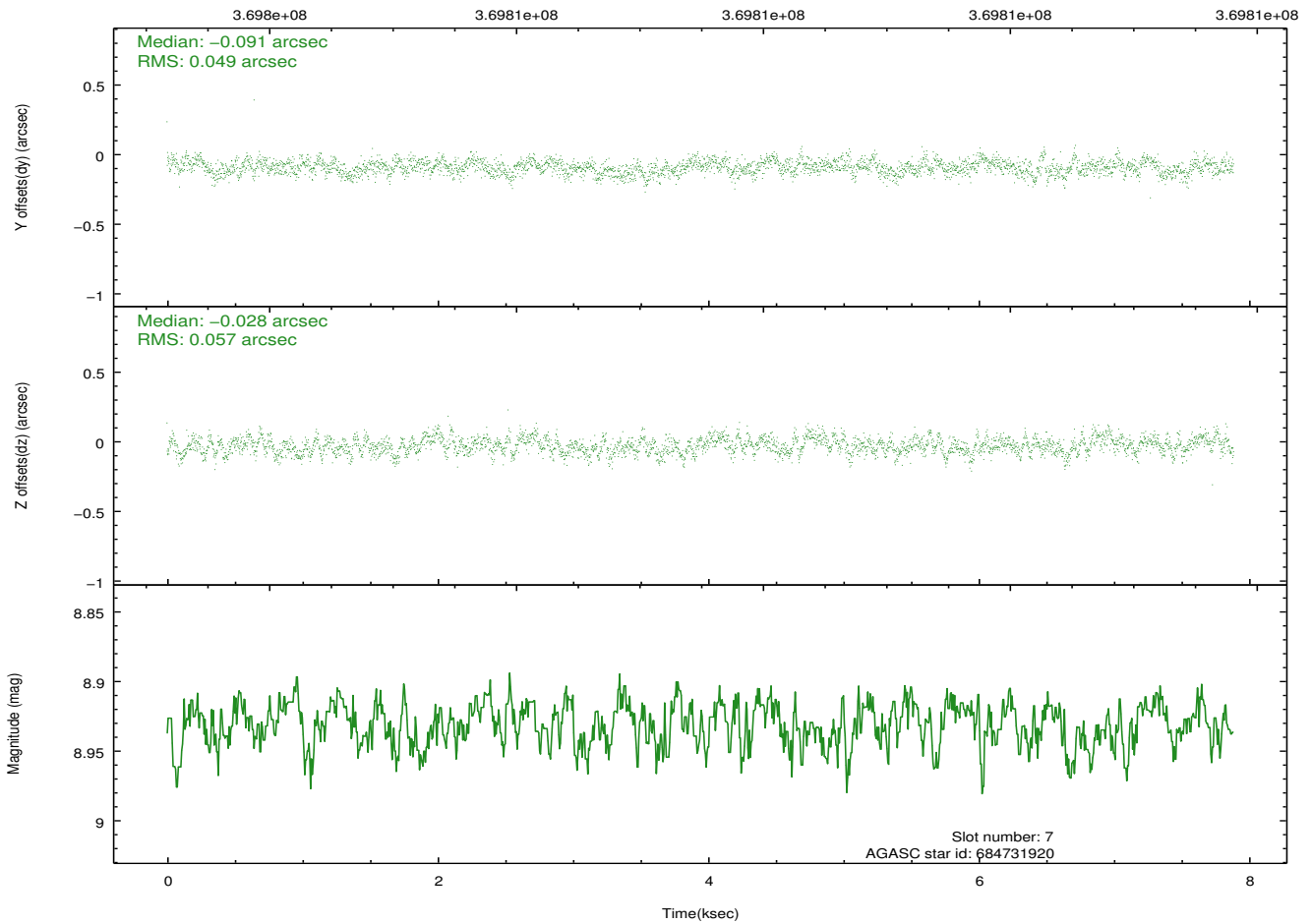
2.4.4 Slot 6



2.4.5 Slot 7

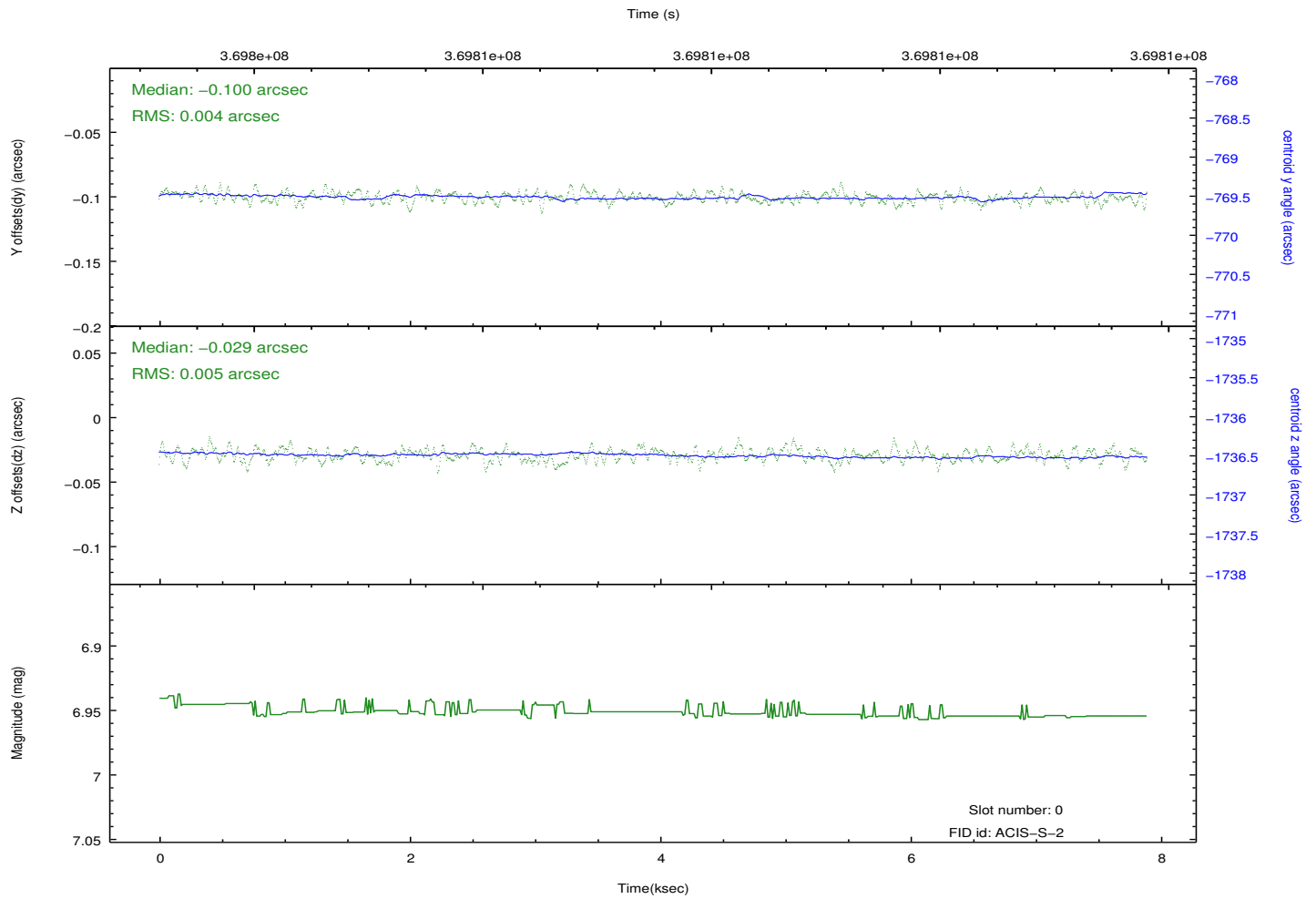
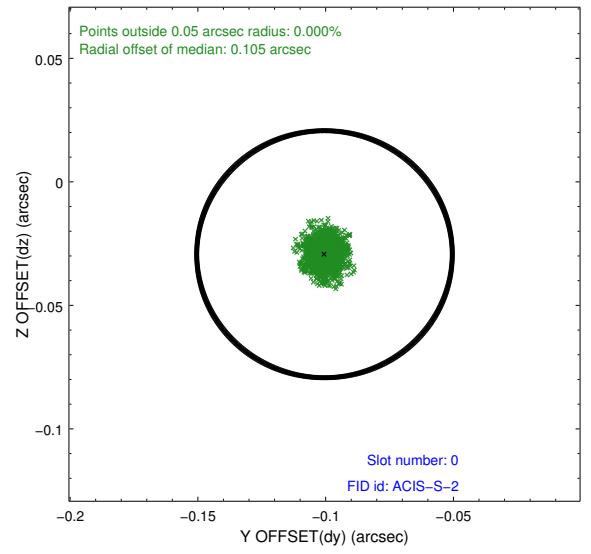
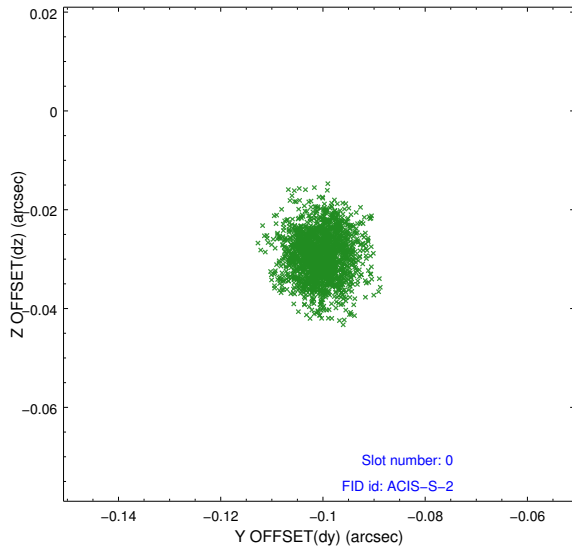


Time (s)

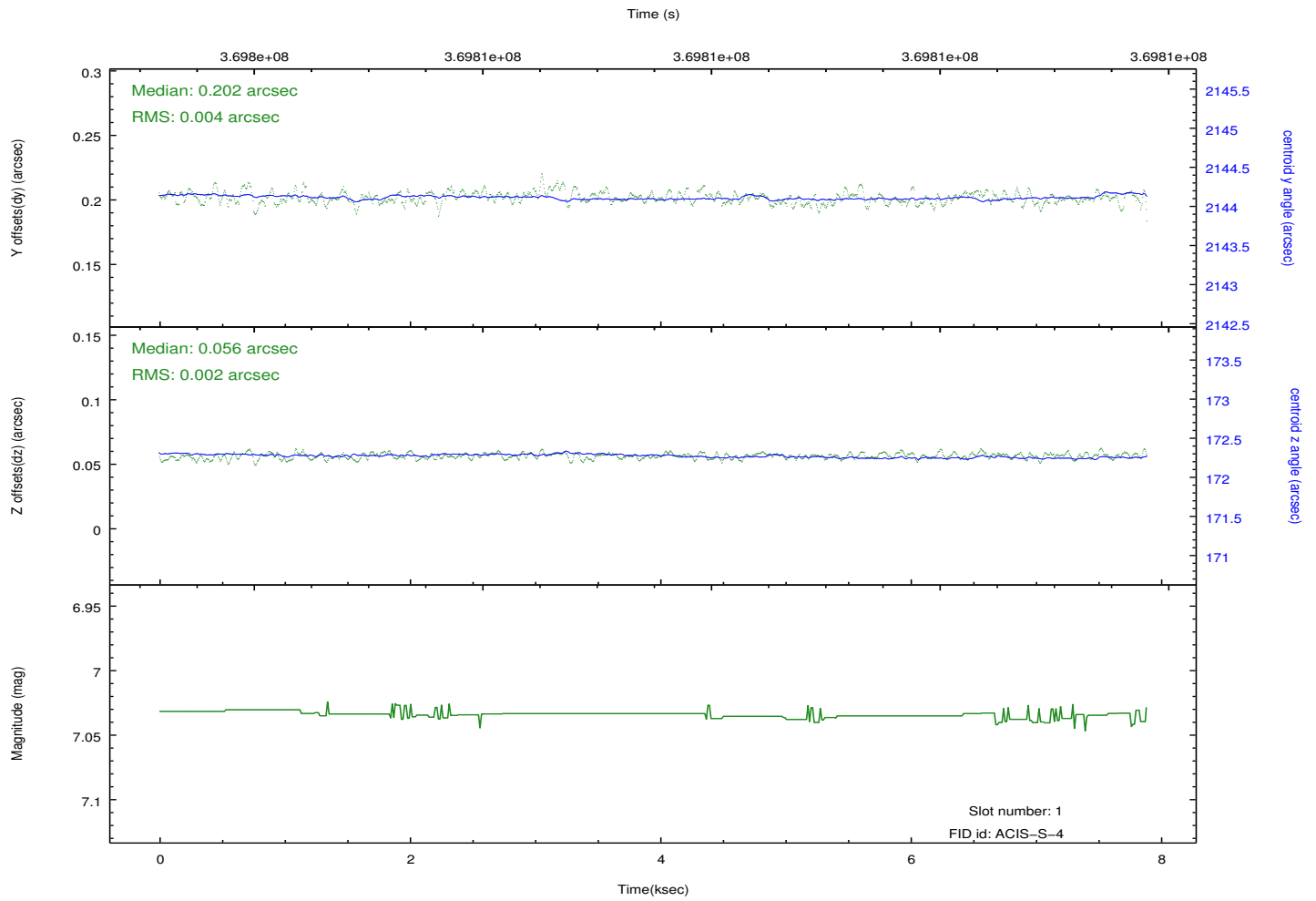
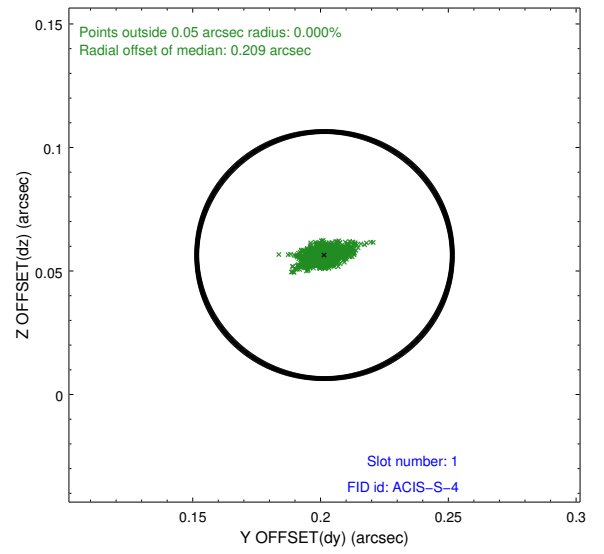
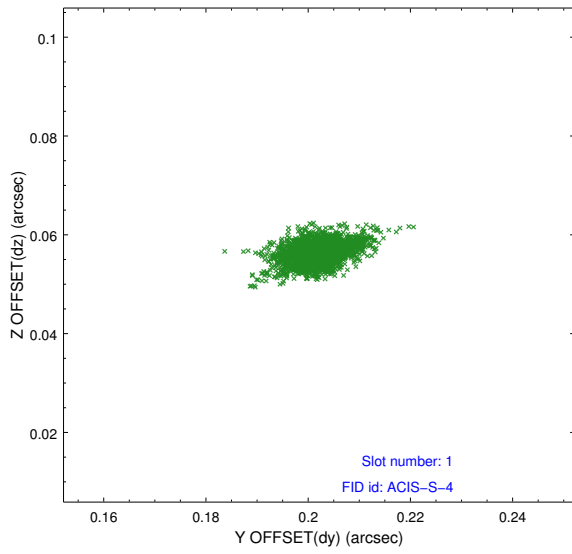


2.5 FID Slots

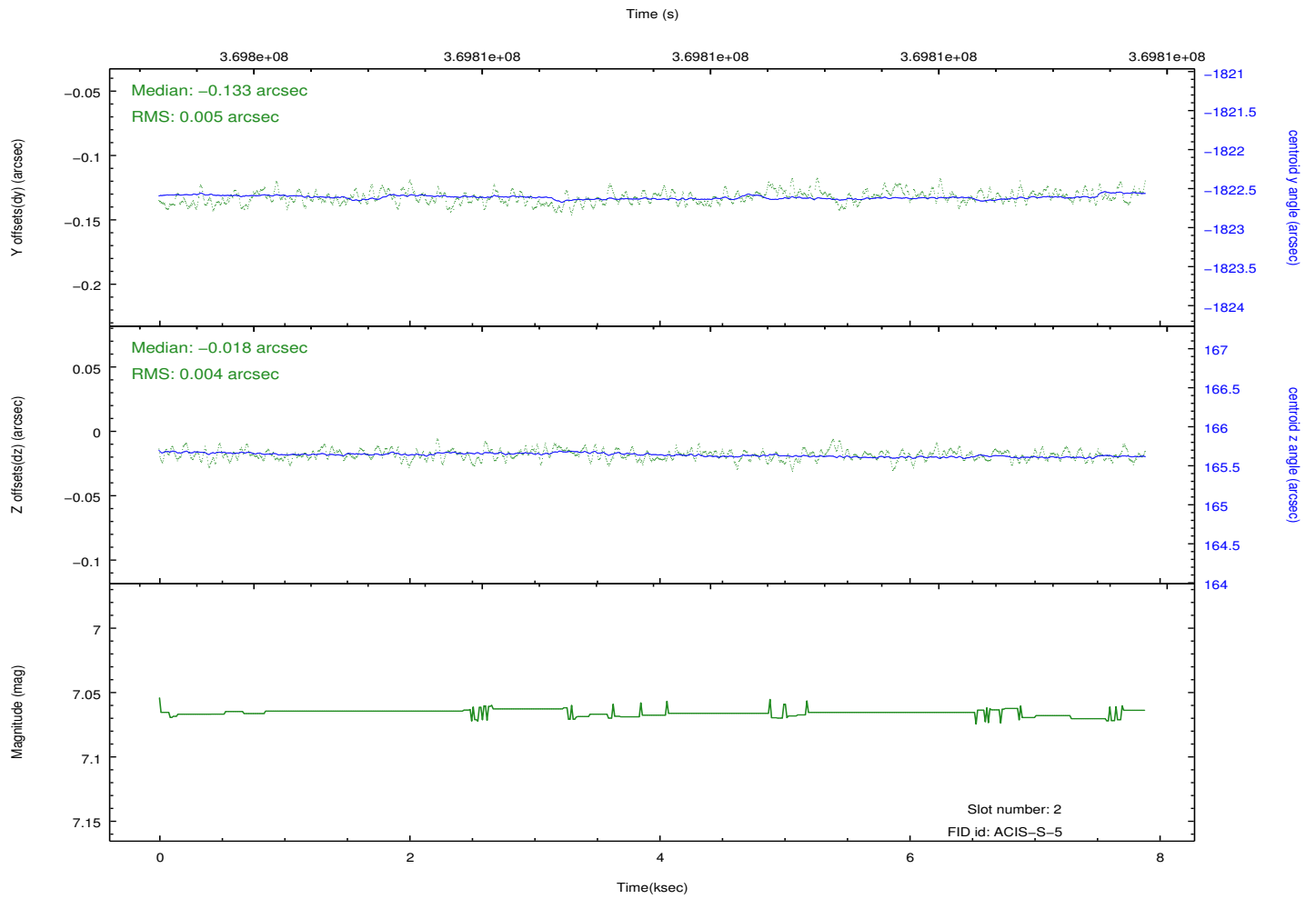
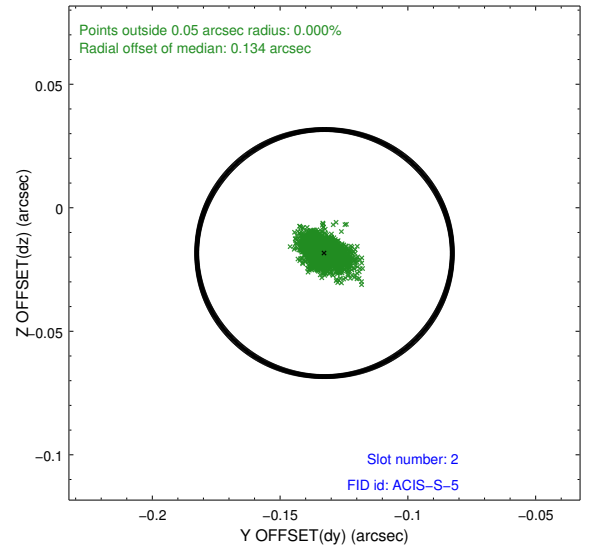
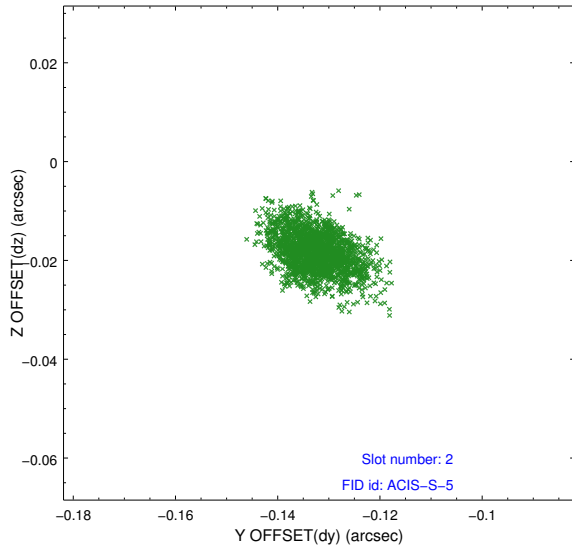
2.5.1 Slot 0



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)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8783999707103

A.2 Comments