

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 317 - L2 Version 3
Chandra X-Ray Center

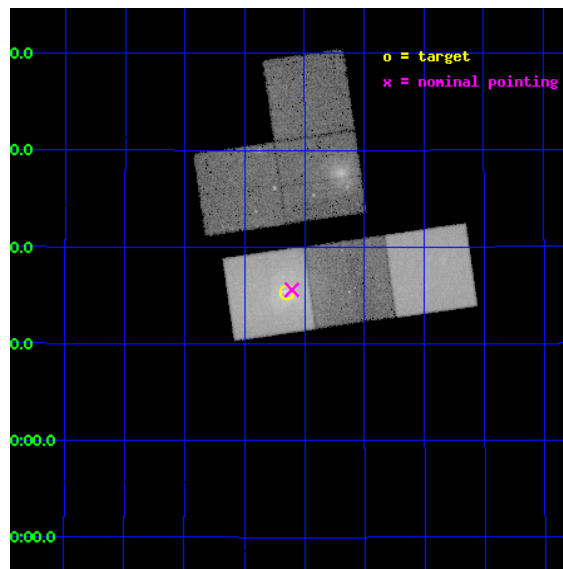
L2 Processing Date : Sep 2 2012

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

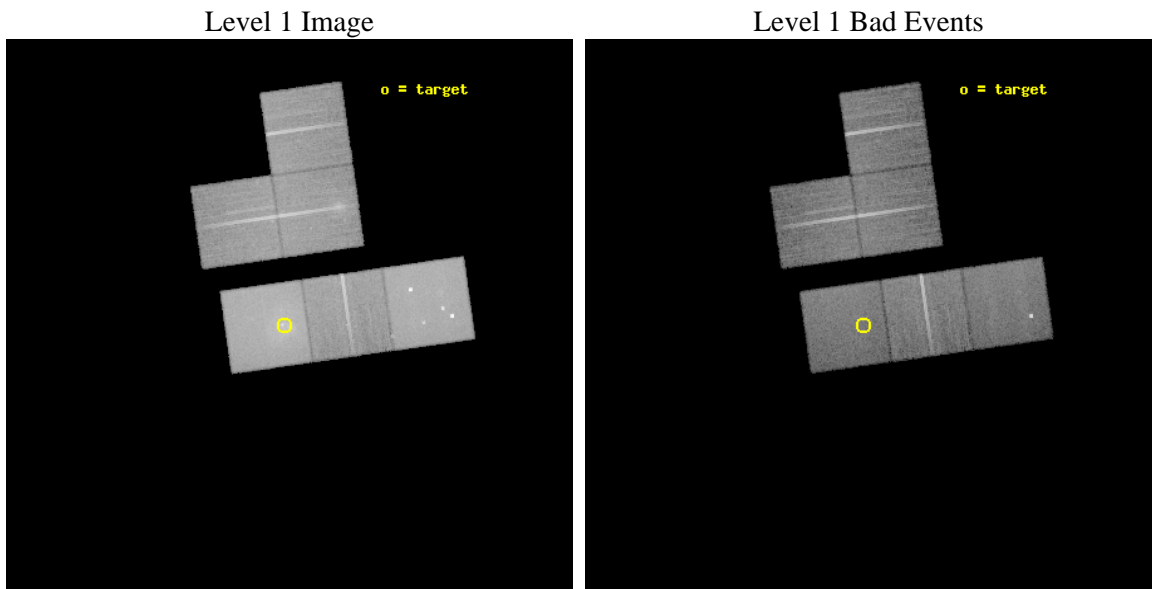
seq_num	600077	Sequence number
obs_id	317	Observation id
title	EARLY TYPE GALAXIES	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	NGC 507	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	20.9125	Observer's specified target RA [deg]
dec_targ	33.256667	Observer's specified target Dec [deg]
ra_nom	20.901311662761	Nominal RA [deg]
dec_nom	33.259780944569	Nominal Dec [deg]
roll_nom	171.90293636721	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27193.600025311	Sum of GTIs [s]
livetime	26849.258287771	Livetime [s]
ontime0	27190.359065071	Sum of GTIs [s]
ontime2	27193.600025311	Sum of GTIs [s]
ontime3	27193.600025311	Sum of GTIs [s]
ontime5	27193.600025311	Sum of GTIs [s]
ontime6	27193.600025311	Sum of GTIs [s]
ontime7	27193.600025311	Sum of GTIs [s]
l2events	418358	Number of level 2 events



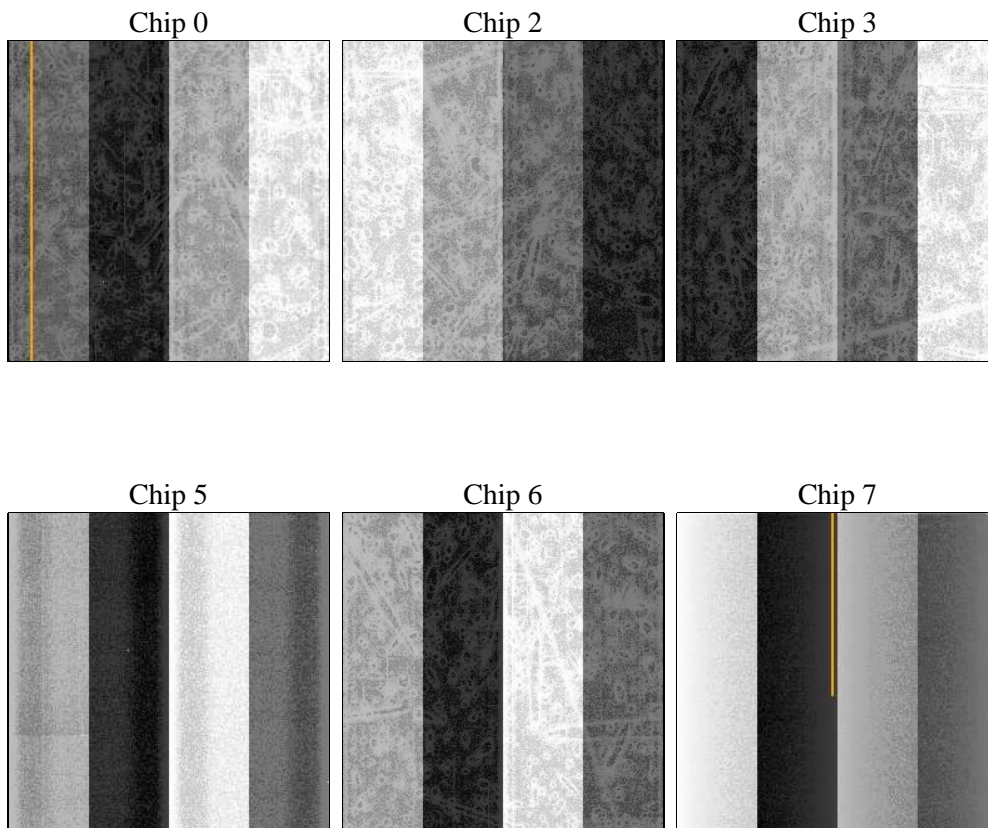
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	27193.600025311	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	27190.359065071	Sum of GTIs [s]
date	2012-09-02T10:08:55	Date and time of file creation	ontime2	27193.600025311	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	27193.600025311	Sum of GTIs [s]
			ontime5	27193.600025311	Sum of GTIs [s]
			ontime6	27193.600025311	Sum of GTIs [s]
			ontime7	27193.600025311	Sum of GTIs [s]
			l1events	1303512	Number of level 1 events

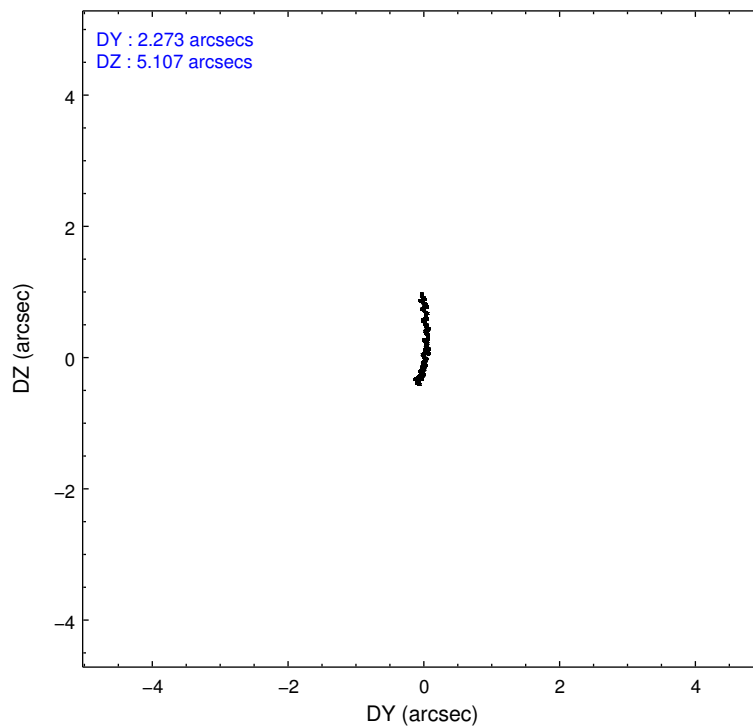
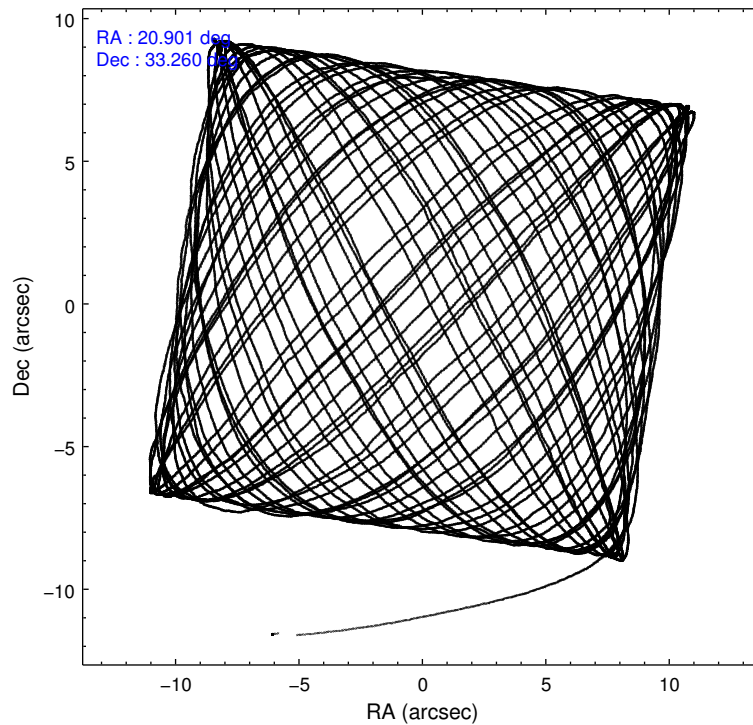
2.1.4 Events

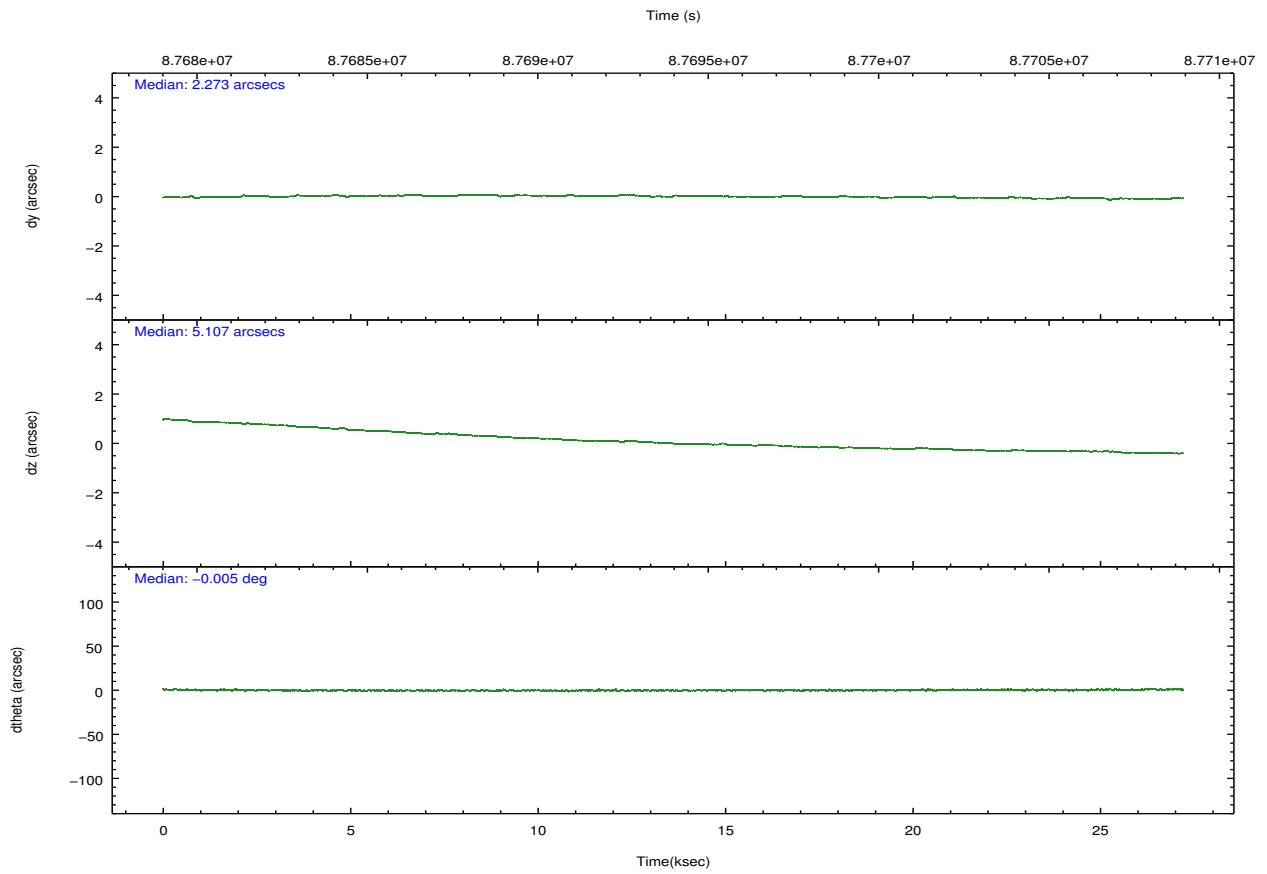
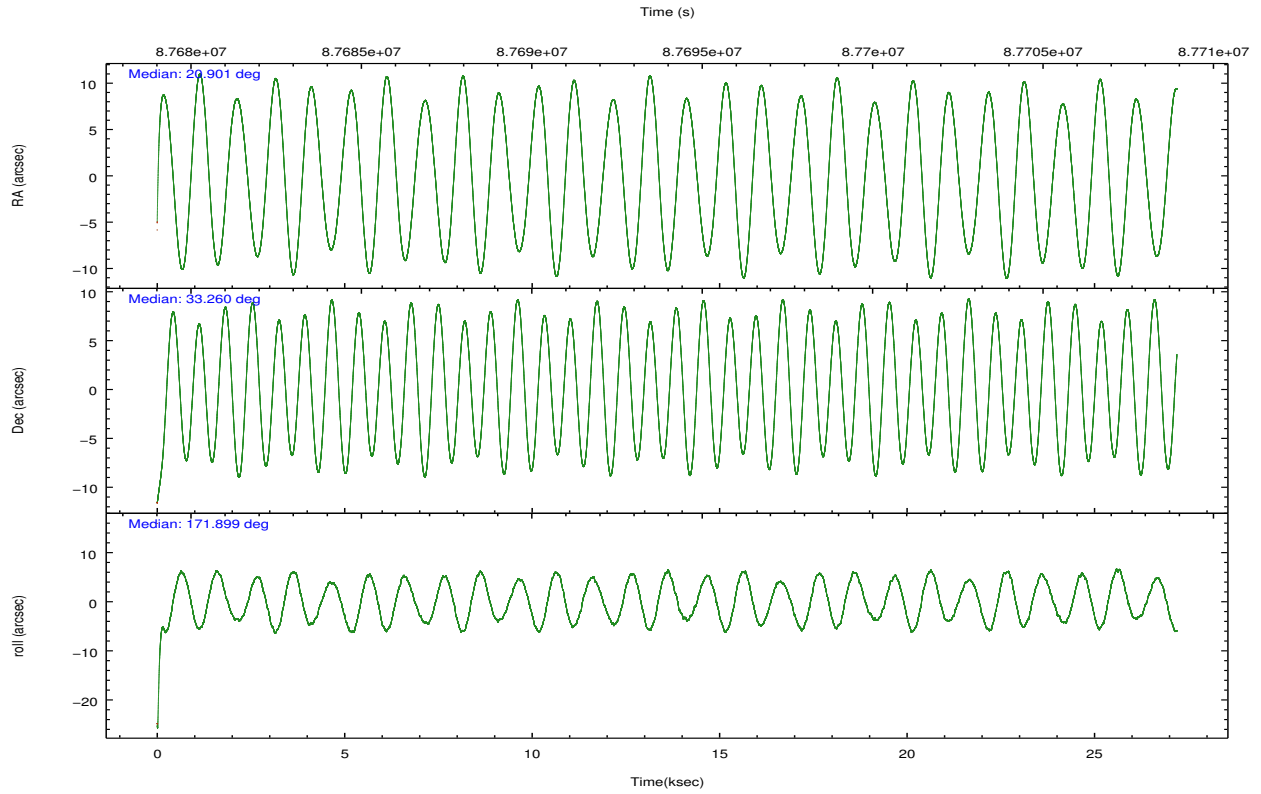
	ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	167605	182481	172170	288428	186624	306204	grade 0 events	10311	19821	12230	26081	17953	30336
rejected events	145252	149789	148336	131245	155374	123321		6%	10%	7%	9%	9%	9%
rejected %	86%	82%	86%	45%	83%	40%	grade 1 events	93	111	88	268	98	215
								0%	0%	0%	0%	0%	0%
							grade 2 events	4597	5358	4314	45073	5142	38971
								2%	2%	2%	15%	2%	12%
							grade 3 events	1997	2043	1939	7890	2136	17605
								1%	1%	1%	2%	1%	5%
							grade 4 events	1860	2031	1915	7416	2164	17547
								1%	1%	1%	2%	1%	5%
							grade 5 events	6121	5685	6248	19693	6925	20603
								3%	3%	3%	6%	3%	6%
							grade 6 events	3603	3463	3449	70798	3877	78520
								2%	1%	2%	24%	2%	25%
							grade 7 events	139023	143969	141987	111209	148329	102407
								82%	78%	82%	38%	79%	33%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-023567	ACIS-023567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	20.931569	20.90131166276058	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.270186	33.25978094456867	Alternating exposures requested	N	N
[deg] Pointing Roll	171.729748	171.9029363672104	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	87680566.184000	87679481.371823			
Observation start date	2000-10-11T19:41:42	2000-10-11T19:24:41			
[s] Observation end time (MET)	87707566.184000	87708016.86040001			
Observation end date	2000-10-12T03:11:42	2000-10-12T03:20:16			
Read mode	TIMED	TIMED			

2.3 Aspect



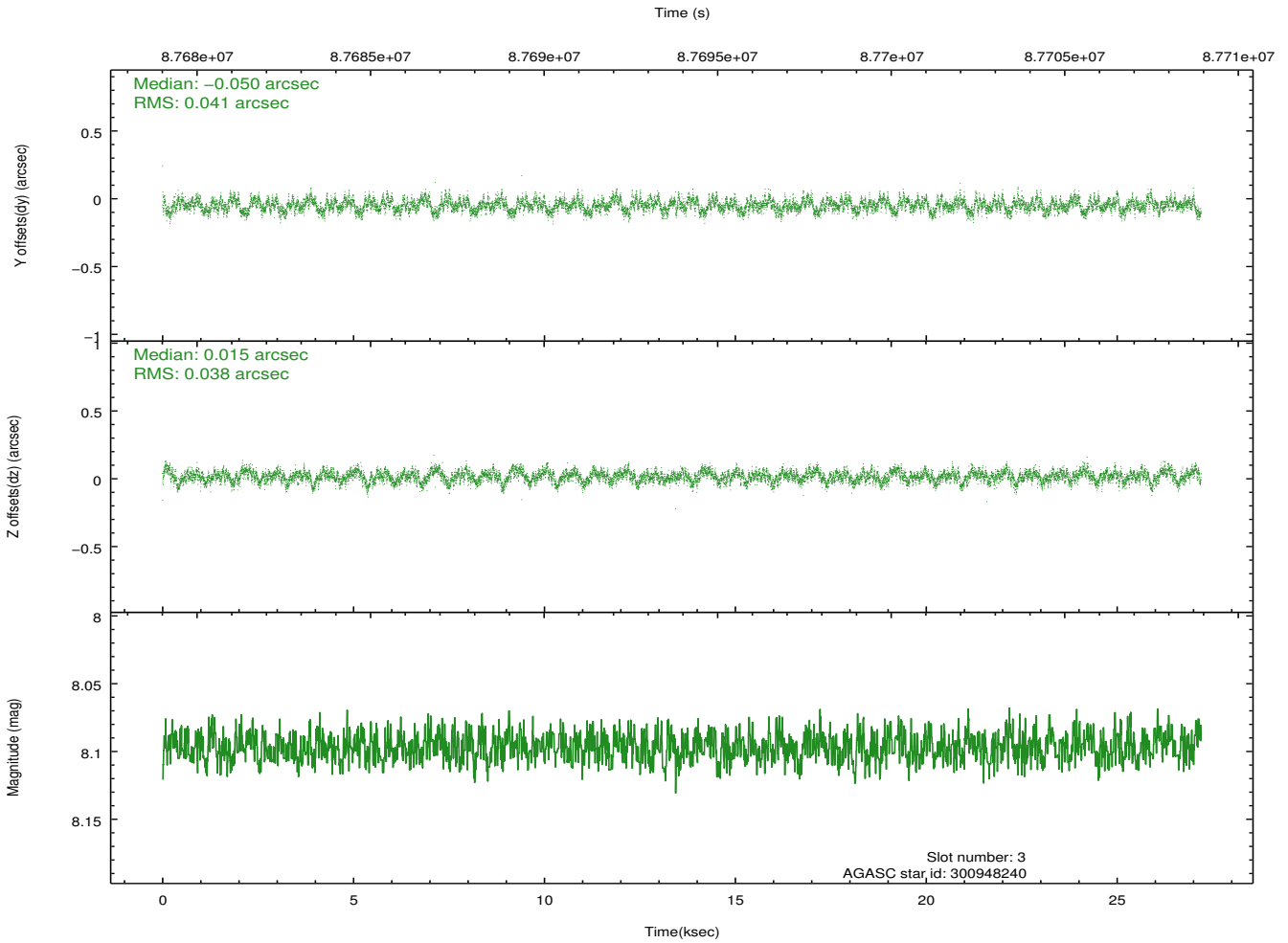
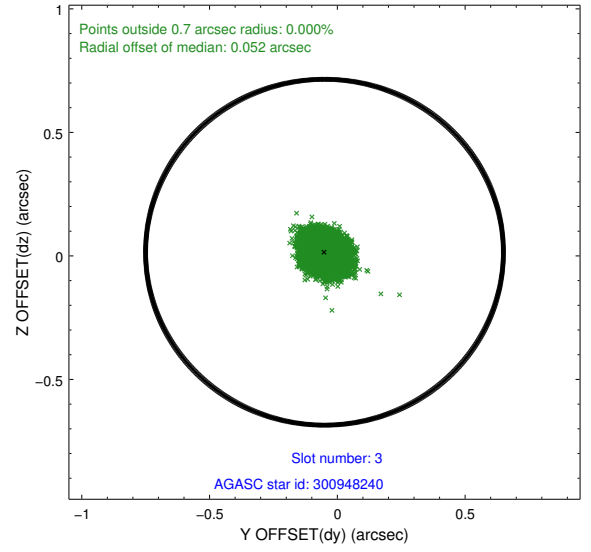
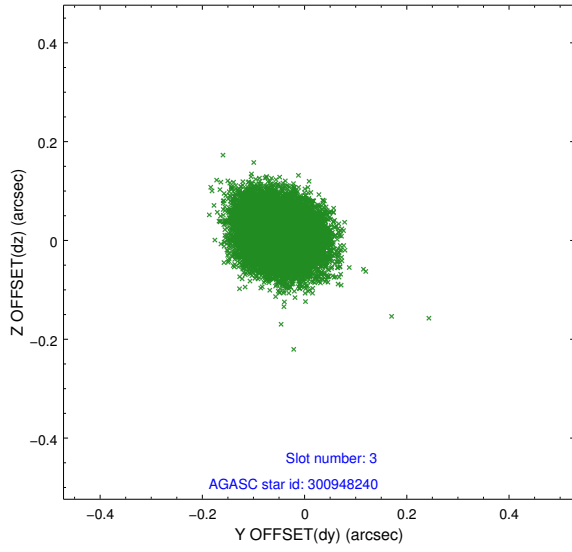


Slot Statistics

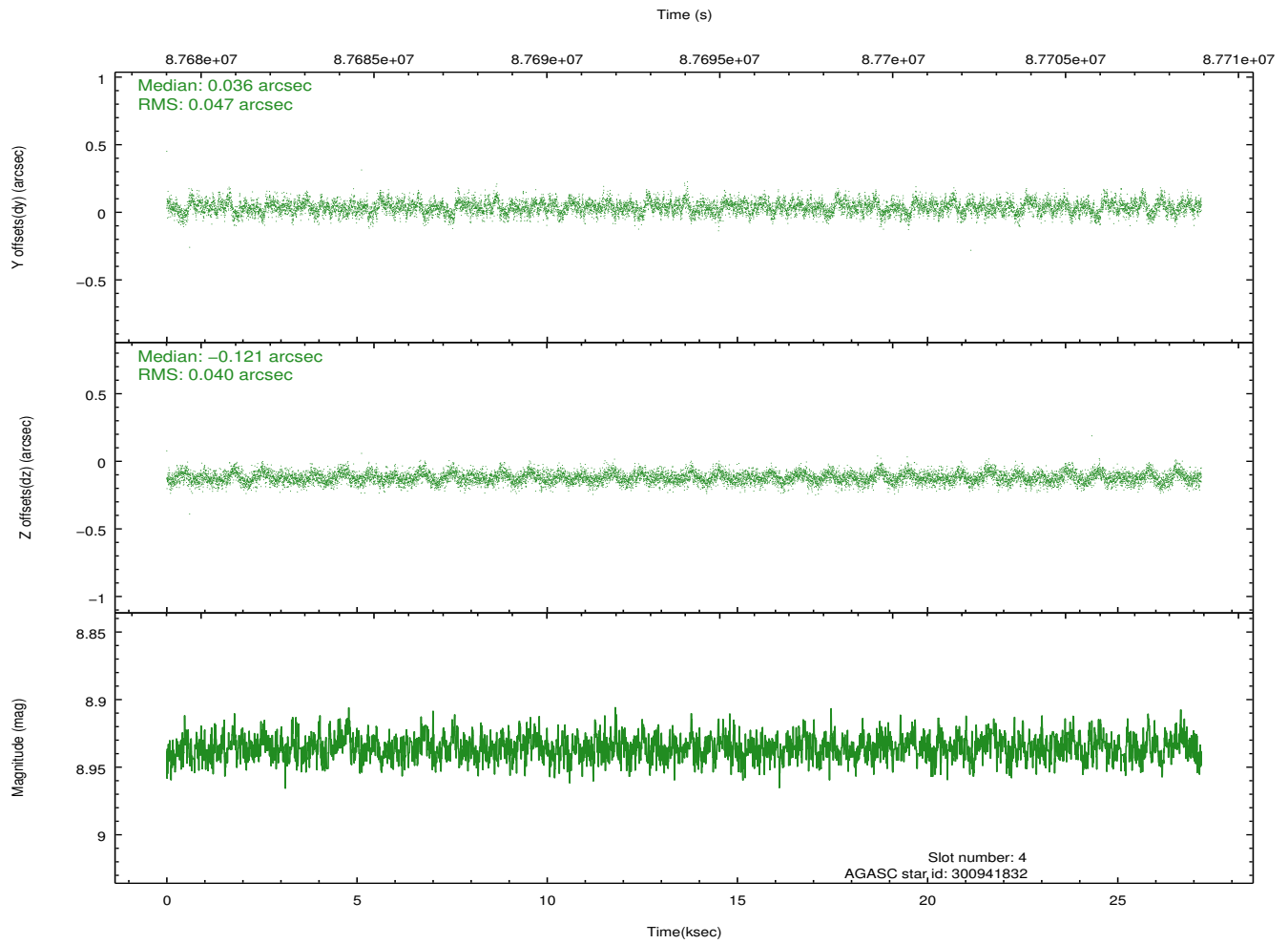
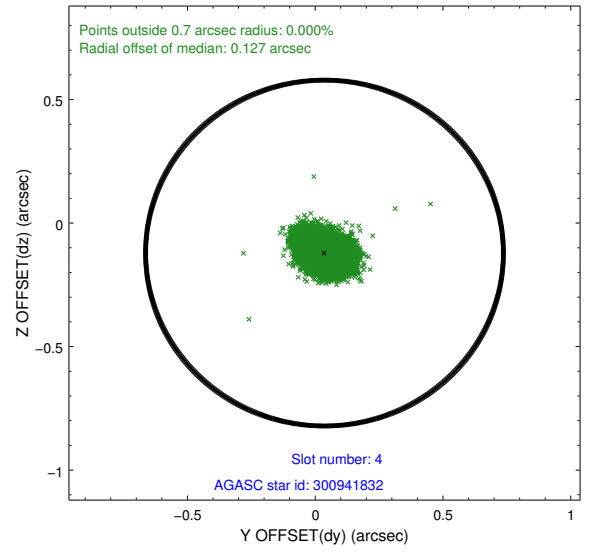
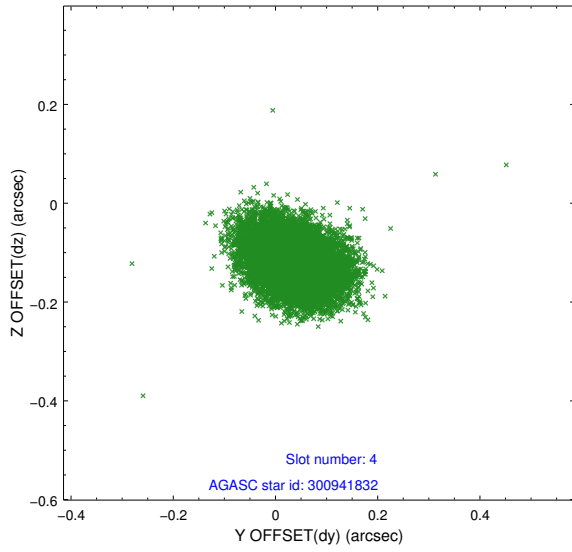
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6633	-0.025	-0.023	0.007	0.012	0.000000	0.000000	-754.89	-1726.32
1	FID	ACIS-S-4	7.21	6633	0.009	0.006	0.007	0.012	0.000000	0.000000	2158.35	182.13
2	FID	ACIS-S-6	7.36	6634	-0.012	0.024	0.010	0.017	0.000000	0.000000	407.20	819.63
3	GUIDE	300948240	8.10	13267	-0.050	0.015	0.061	0.096	21.318271	32.949093	-1322.74	974.32
4	GUIDE	300941832	8.94	13262	0.036	-0.121	0.064	0.108	20.525278	33.237138	1193.22	292.06
5	GUIDE	300945960	9.31	13262	-0.064	0.074	0.082	0.132	20.665202	33.720044	1021.96	-1488.13
6	GUIDE	300948808	9.41	13207	0.185	-0.036	0.084	0.135	21.520899	32.844070	-1984.34	1257.13
7	GUIDE	300818240	9.57	13257	-0.108	0.072	0.092	0.152	20.083372	33.011069	2400.30	1282.21

2.4 Star Slots

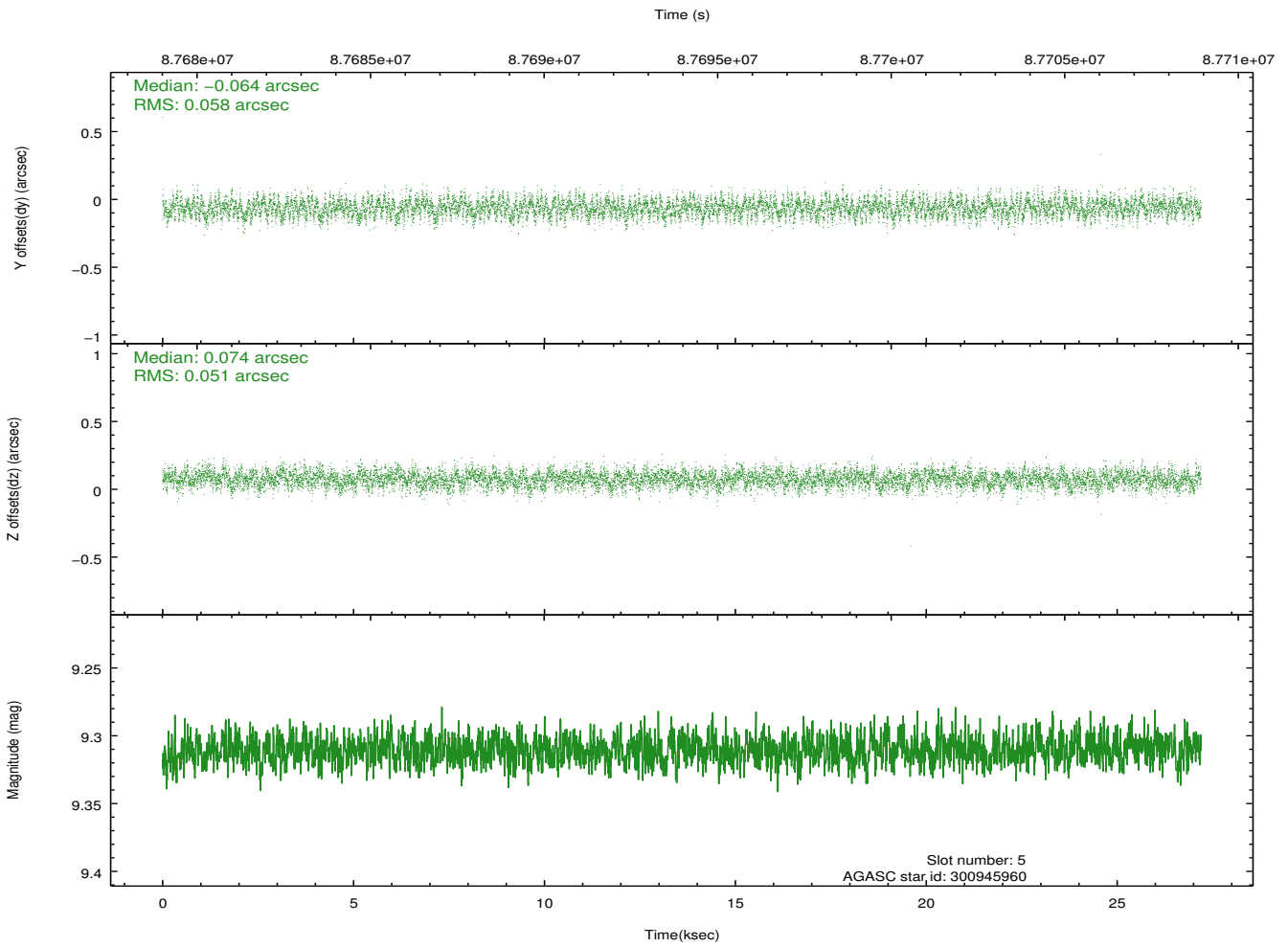
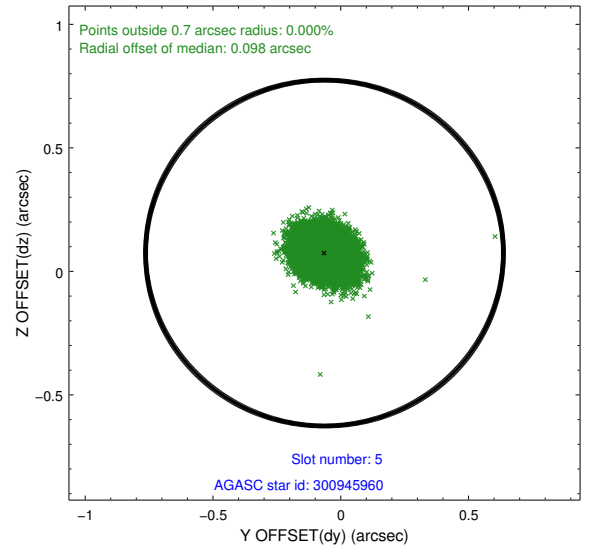
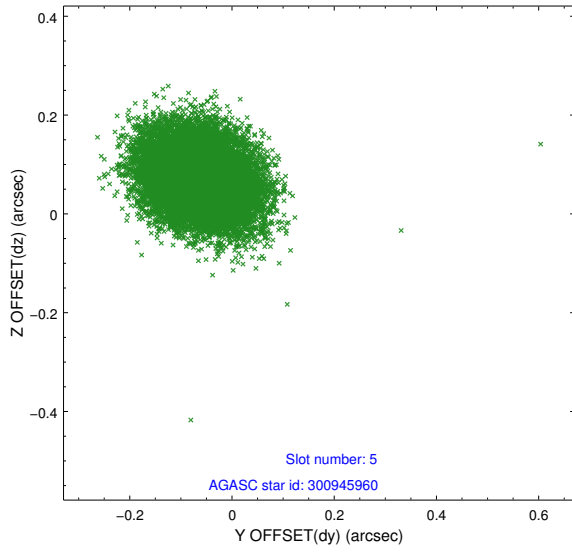
2.4.1 Slot 3



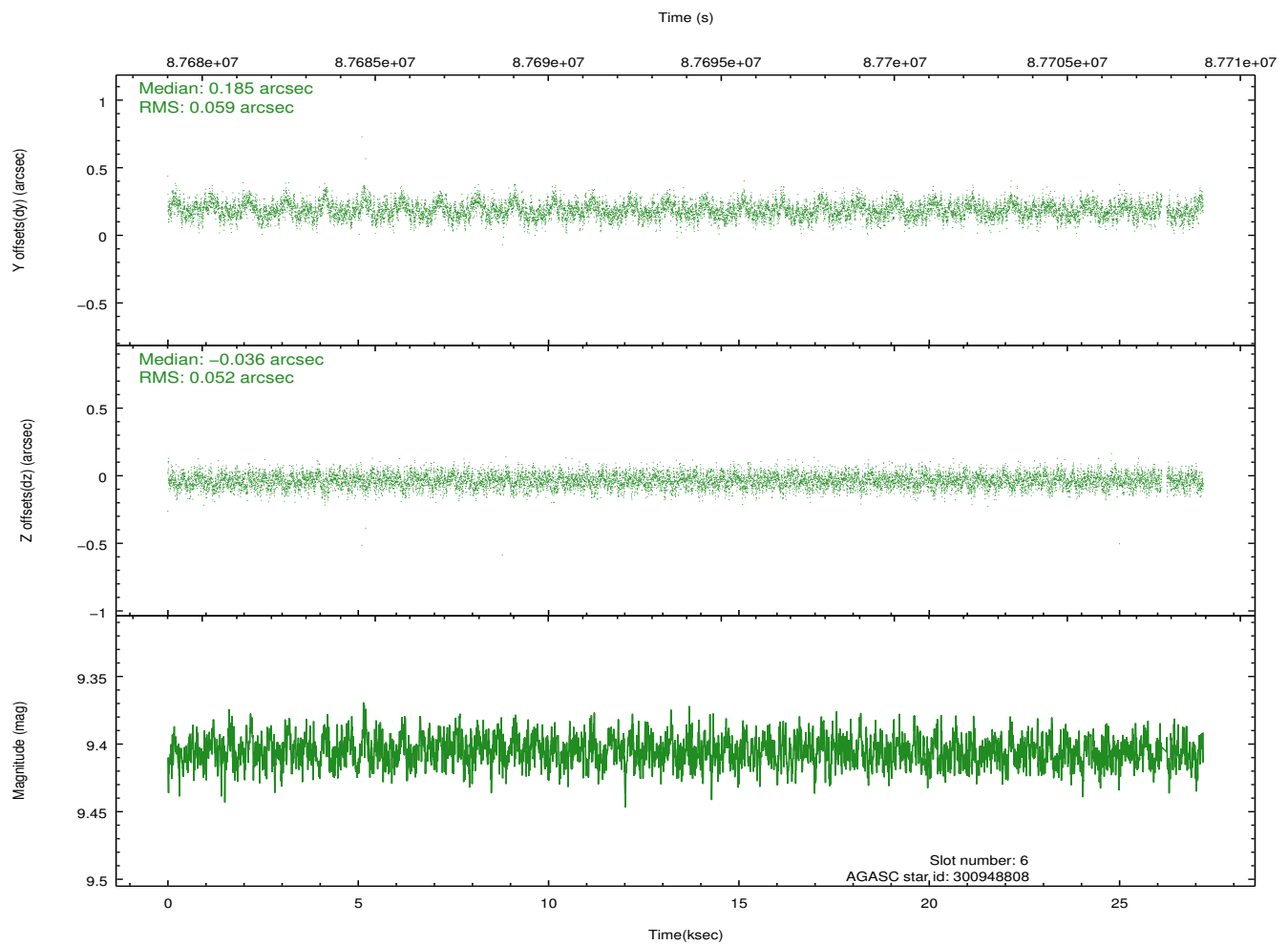
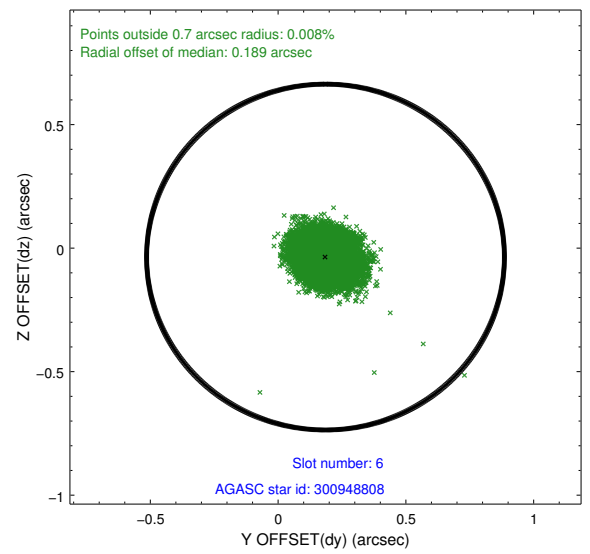
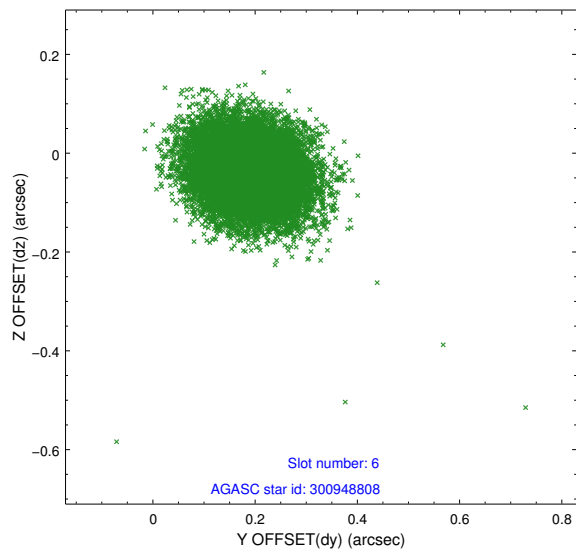
2.4.2 Slot 4



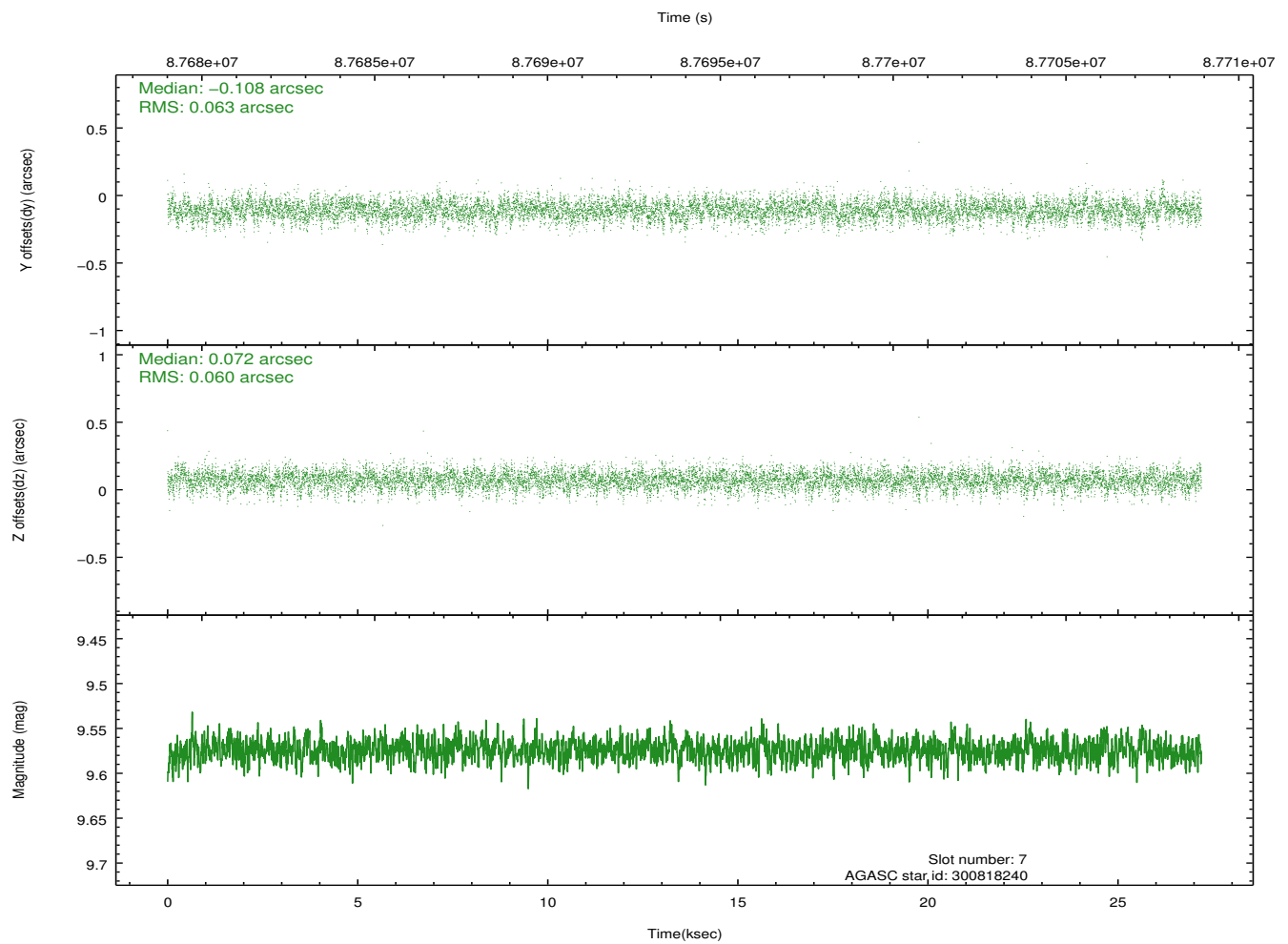
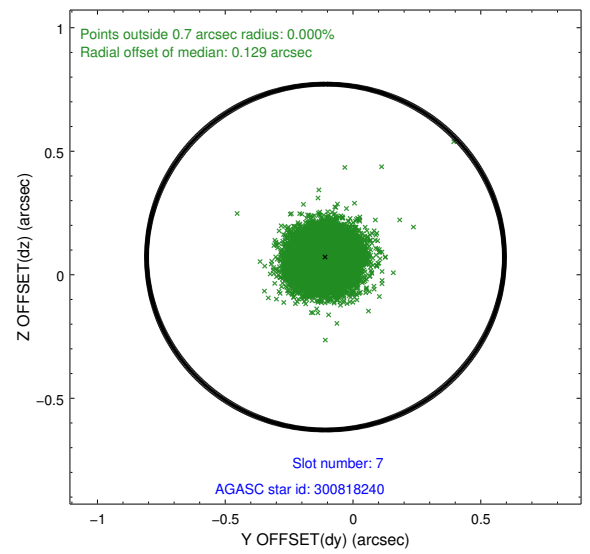
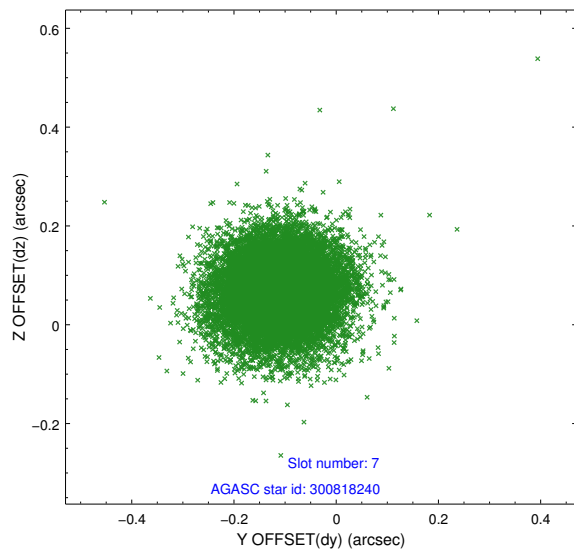
2.4.3 Slot 5



2.4.4 Slot 6

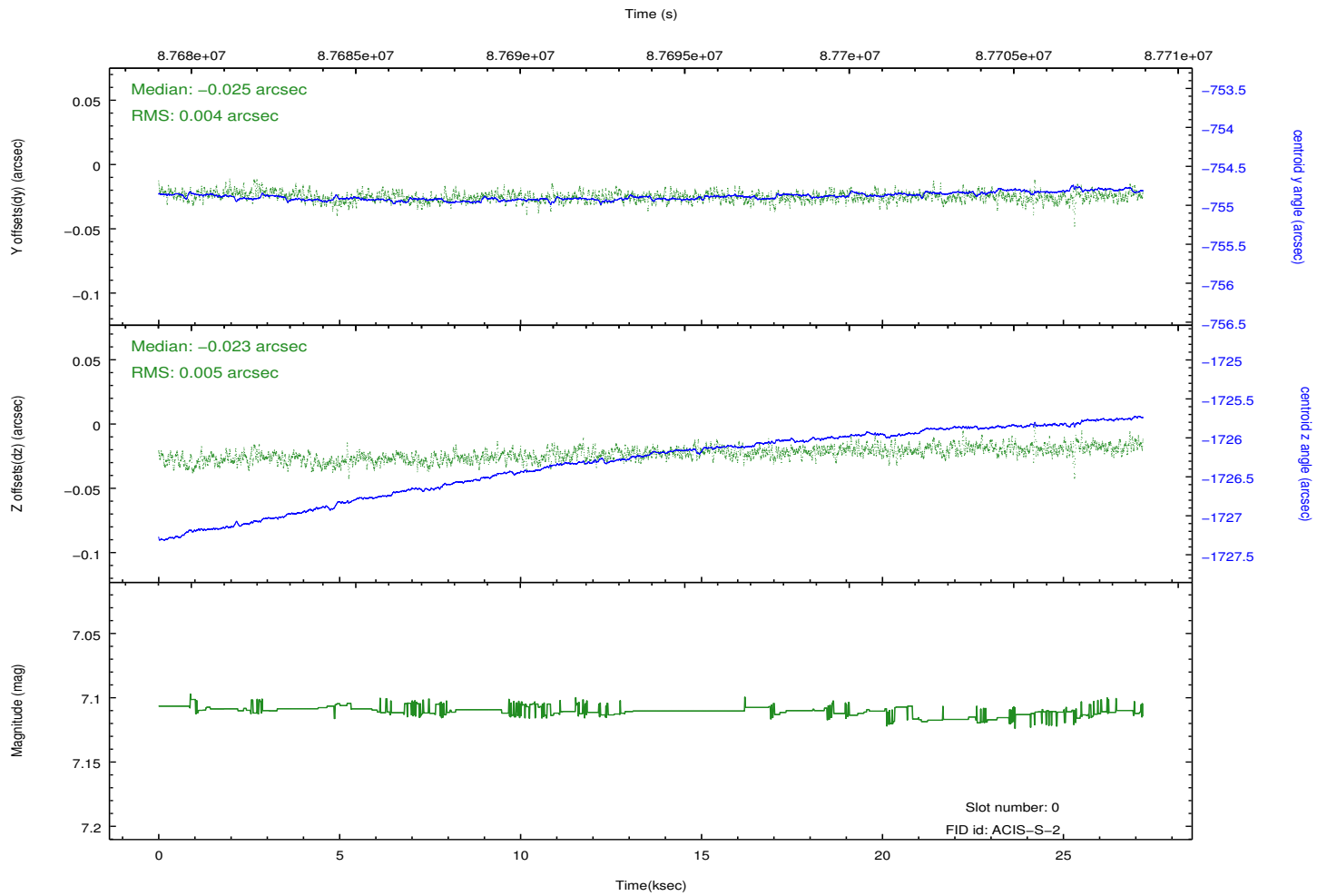
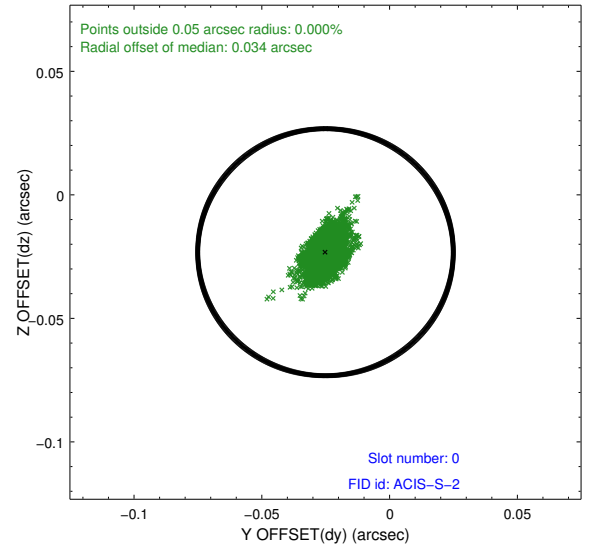
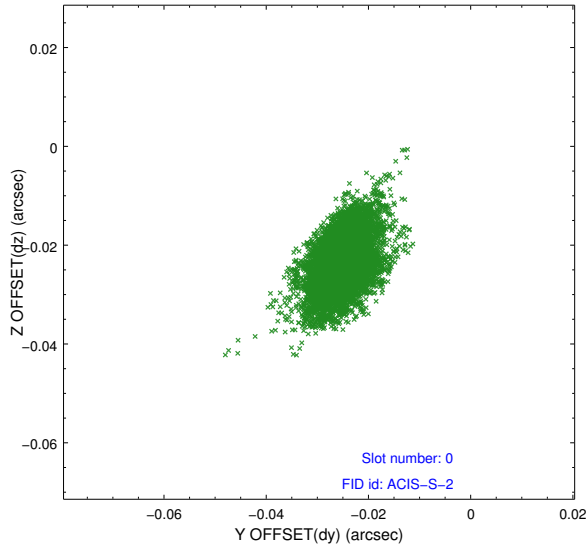


2.4.5 Slot 7

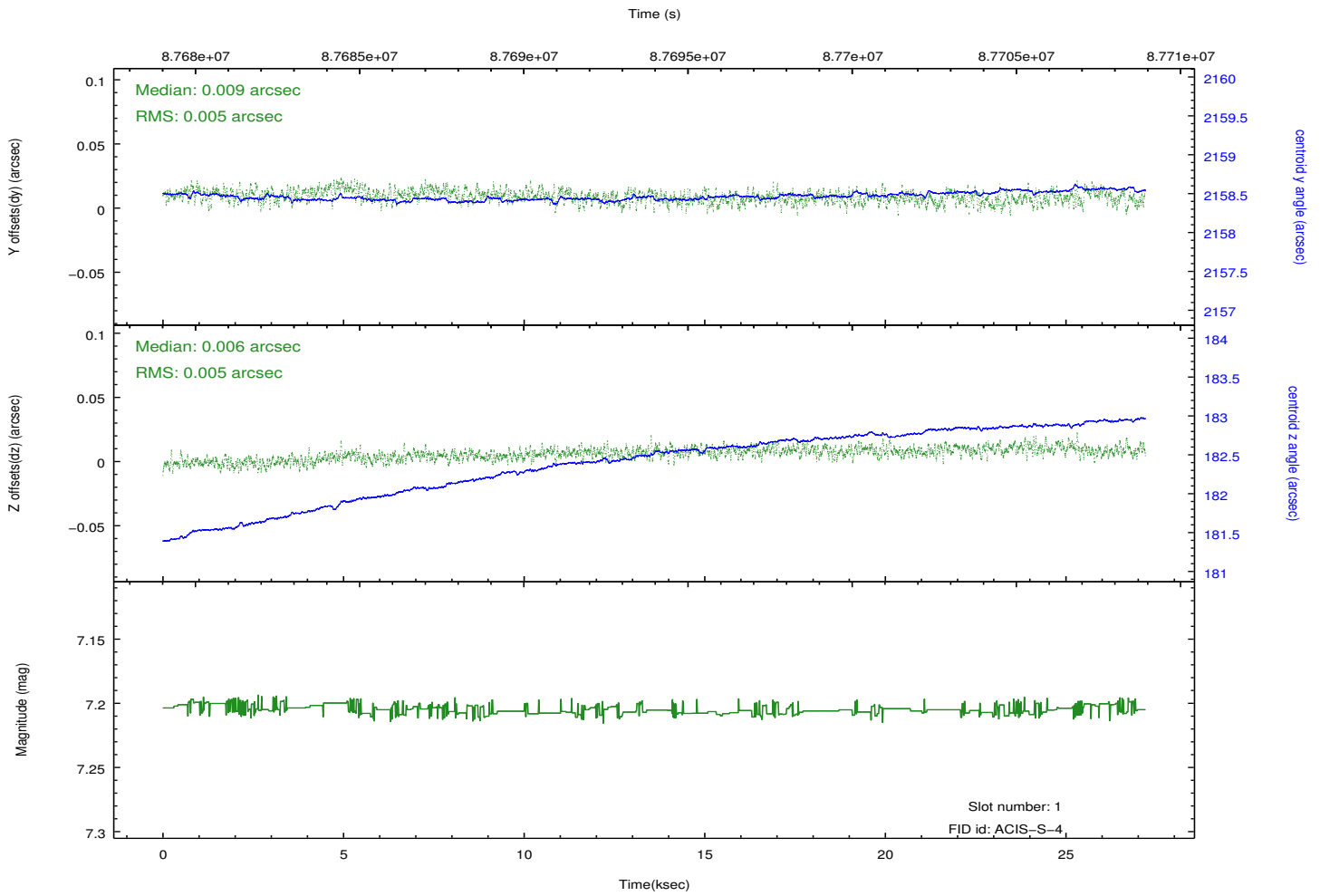
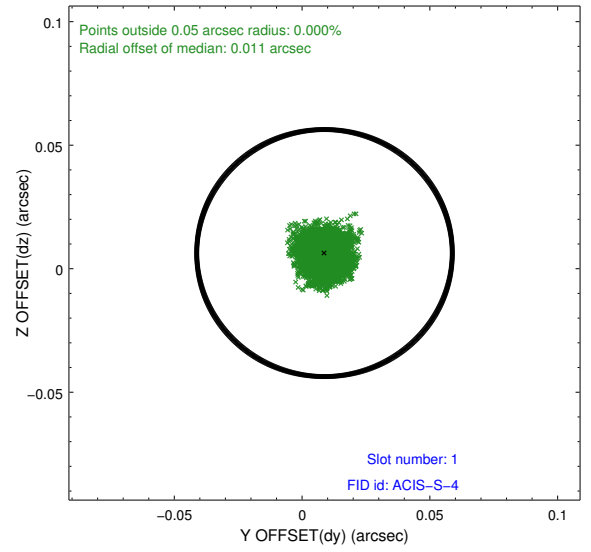
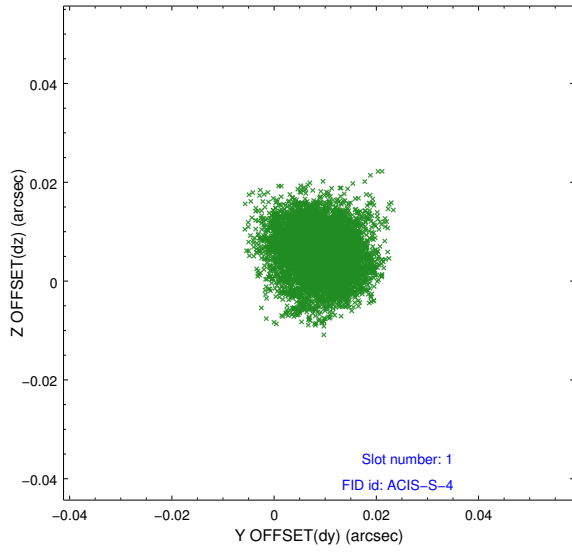


2.5 FID Slots

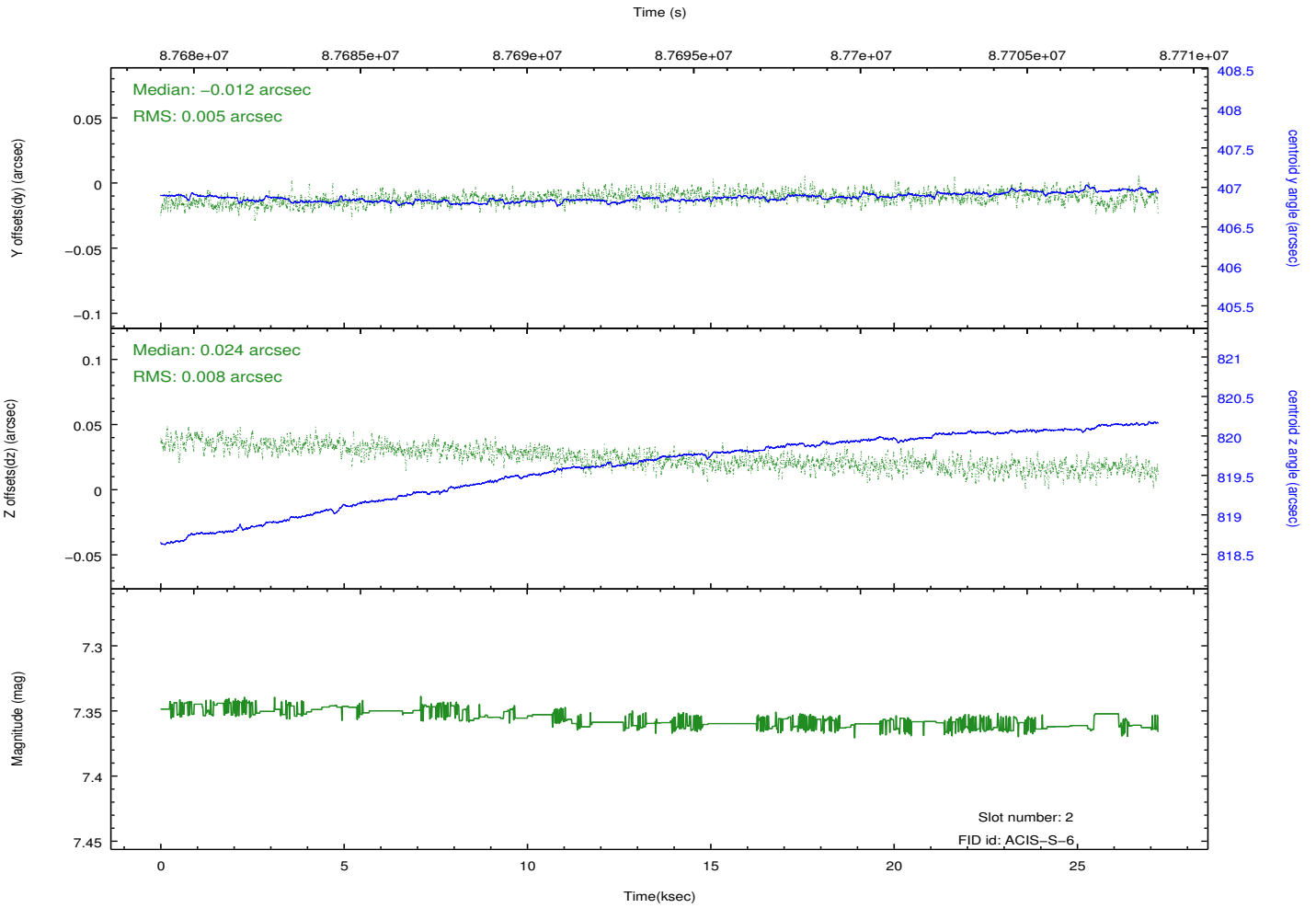
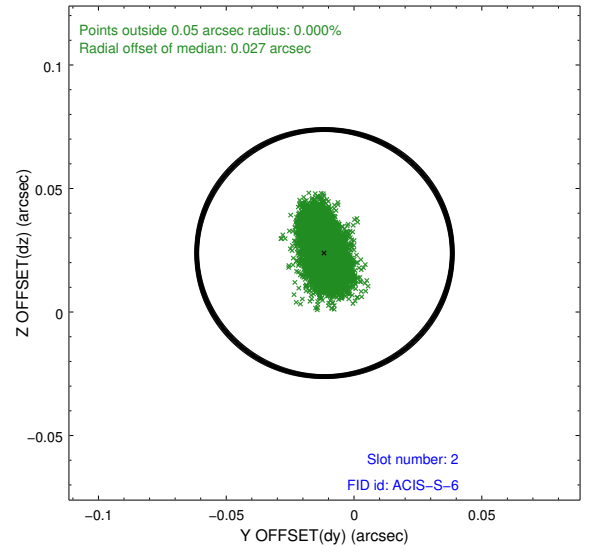
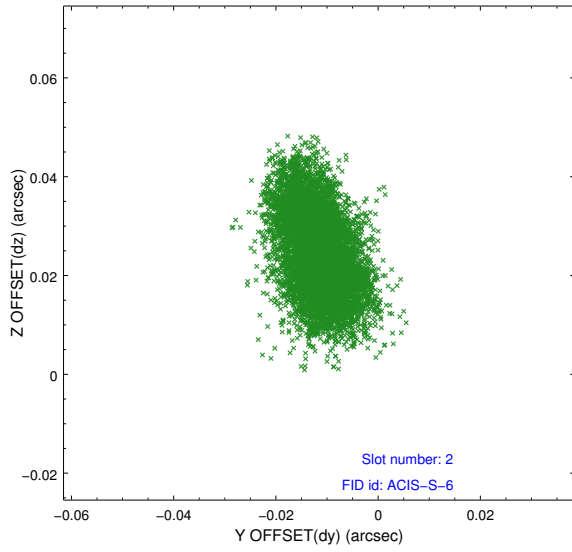
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.193

A.2 Comments