

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3841 - L2 Version 3
Chandra X-Ray Center

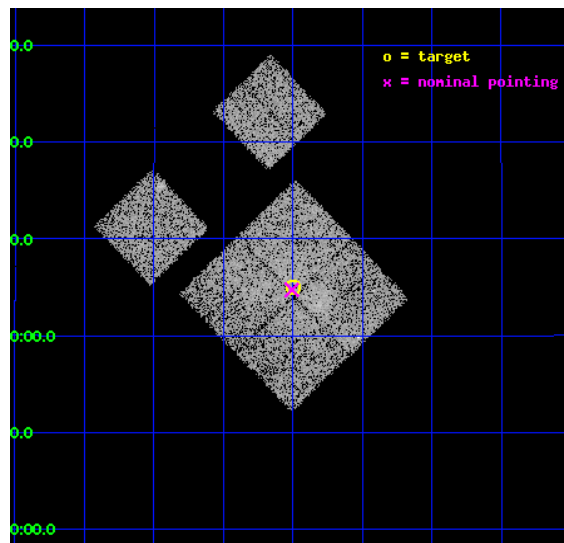
L2 Processing Date : Oct 19 2012

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

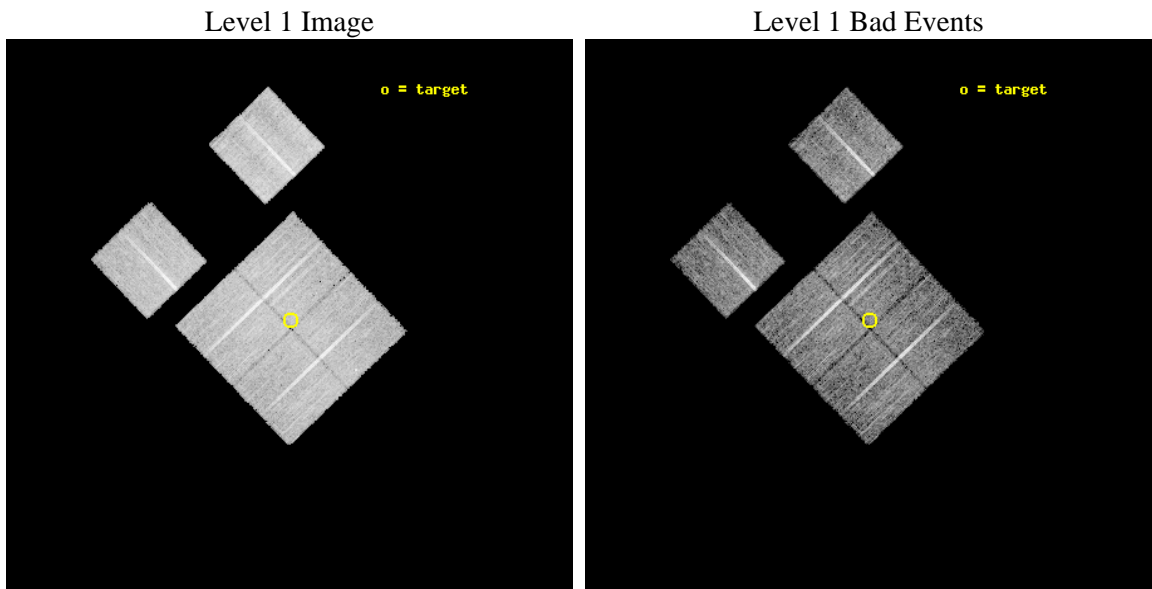
seq_num	500320	Sequence number
obs_id	3841	Observation id
title	SUPERNOVA REMNANT(S) AND STAR-FORMING REGIONS IN THE W51 COMPLEX	P
observer	PROF. BON-CHUL KOO	Principal investigator
object	W51 SOUTH	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	290.875	Observer's specified target RA [deg]
dec_targ	14.083333	Observer's specified target Dec [deg]
ra_nom	290.87687683958	Nominal RA [deg]
dec_nom	14.079046553054	Nominal Dec [deg]
roll_nom	316.1891520677	Nominal Roll [deg]
revision	3	Processing version of data
ontime	12115.199954867	Sum of GTIs [s]
livetime	11961.789998141	Livetime [s]
ontime0	12115.199954867	Sum of GTIs [s]
ontime1	12115.199954867	Sum of GTIs [s]
ontime2	12115.199954867	Sum of GTIs [s]
ontime3	12115.199954867	Sum of GTIs [s]
ontime6	12111.958974689	Sum of GTIs [s]
ontime8	12115.199954867	Sum of GTIs [s]
l2events	42162	Number of level 2 events



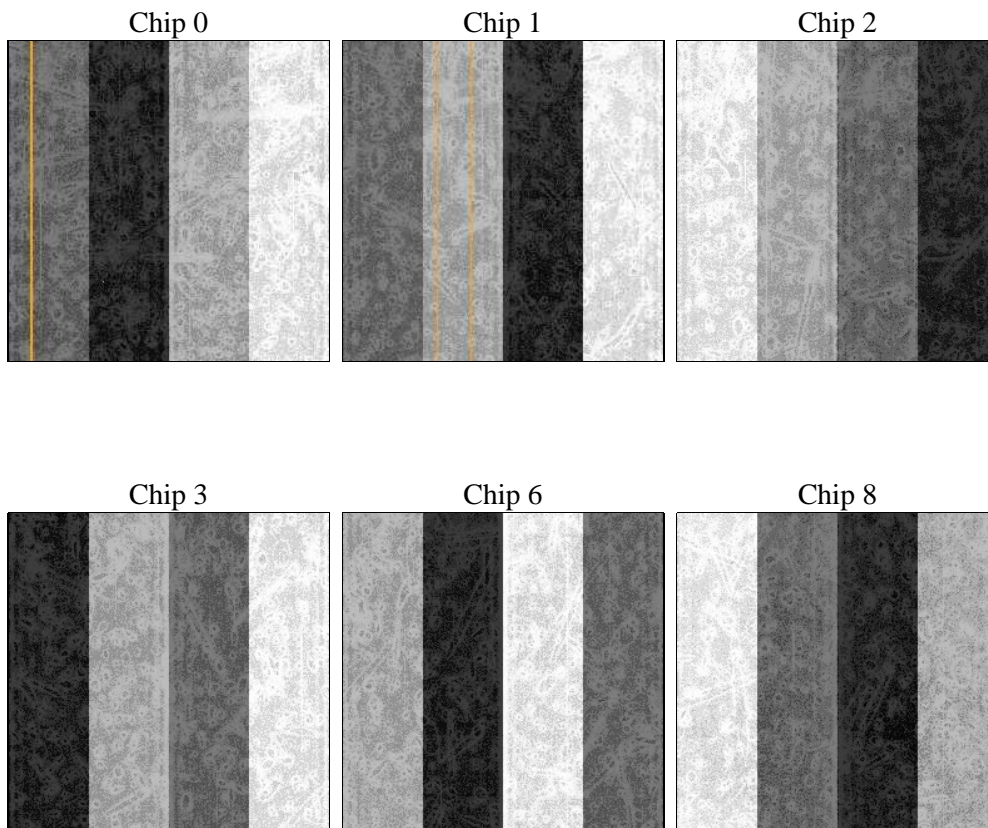
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12115.199954867	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	12115.199954867	Sum of GTIs [s]
date	2012-10-19T05:01:09	Date and time of file creation	ontime1	12115.199954867	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	12115.199954867	Sum of GTIs [s]
			ontime3	12115.199954867	Sum of GTIs [s]
			ontime6	12111.958974689	Sum of GTIs [s]
			ontime8	12115.199954867	Sum of GTIs [s]
			l1events	403751	Number of level 1 events

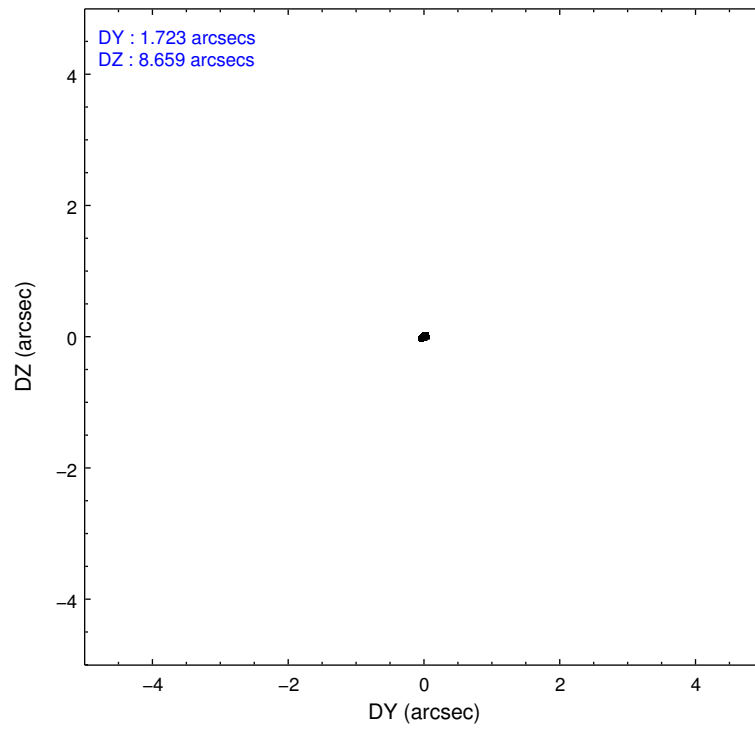
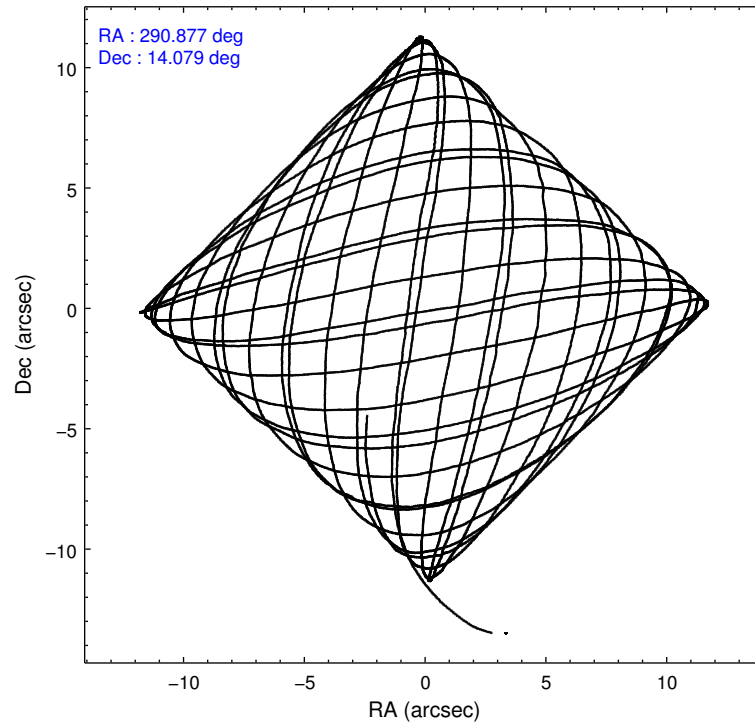
2.1.4 Events

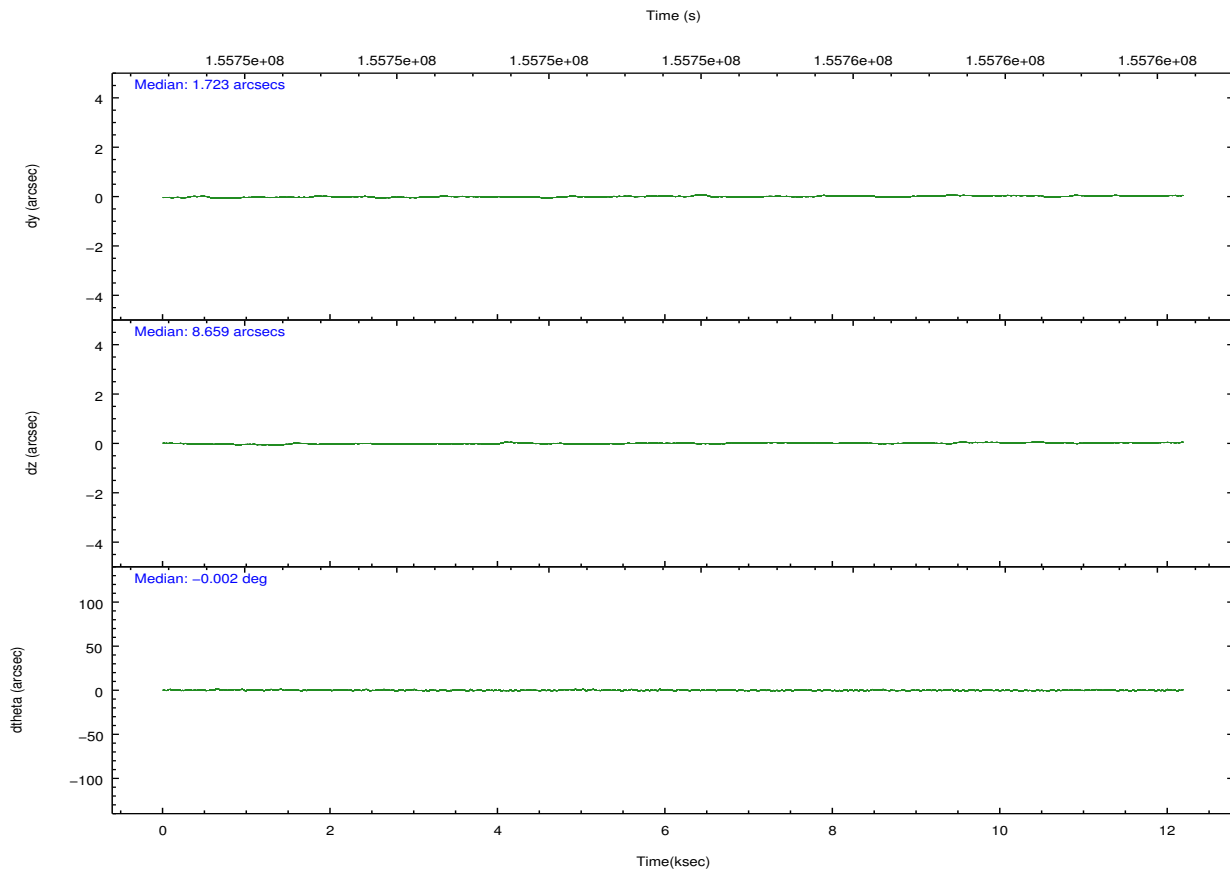
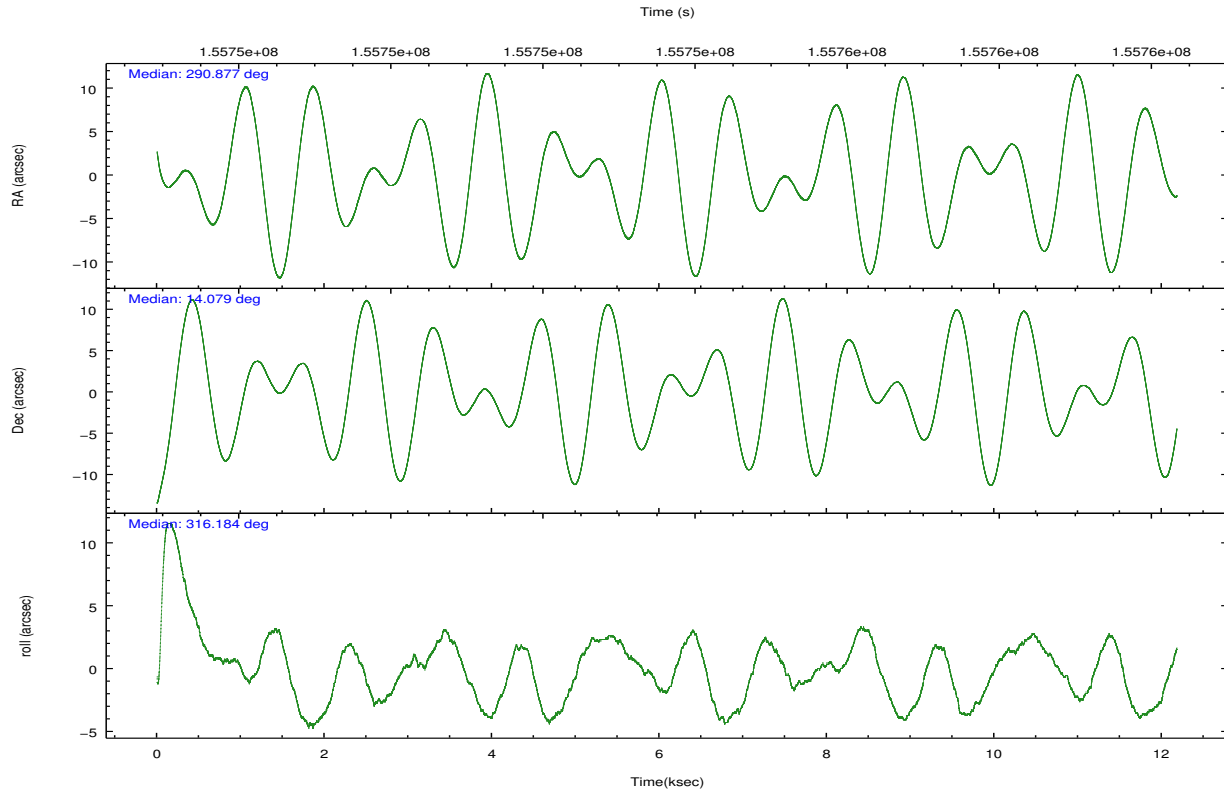
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	60065	59430	69675	66718	64905	82958	grade 0 events	3462	4226	4041	4532	3174	5568
rejected events	52298	50446	61428	57990	57401	64327		5%	7%	5%	6%	4%	6%
rejected %	87%	84%	88%	86%	88%	77%	grade 1 events	23	22	36	40	29	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	1611	1692	1555	1575	1437	4093
								2%	2%	2%	2%	2%	4%
							grade 3 events	783	877	762	764	757	1930
								1%	1%	1%	1%	1%	2%
							grade 4 events	731	810	735	724	775	1781
								1%	1%	1%	1%	1%	2%
							grade 5 events	2184	2282	2042	2457	2375	3512
								3%	3%	2%	3%	3%	4%
							grade 6 events	1181	1380	1155	1137	1366	5284
								1%	2%	1%	1%	2%	6%
							grade 7 events	50090	48141	59349	55489	54992	60743
								83%	81%	85%	83%	84%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012368	ACIS-012368	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	290.849441	290.8768768395804	Subarray requested	NONE	NONE
[deg] Pointing Dec	14.085500	14.0790465530545	Alternating exposures requested	N	N
[deg] Pointing Roll	315.987158	316.1891520677025	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	155747724.184000	155746691.88297			
Observation start date	2002-12-08T15:14:20	2002-12-08T14:58:11			
[s] Observation end time (MET)	155759724.184000	155759858.52102			
Observation end date	2002-12-08T18:34:20	2002-12-08T18:37:38			
Read mode	TIMED	TIMED			

2.3 Aspect



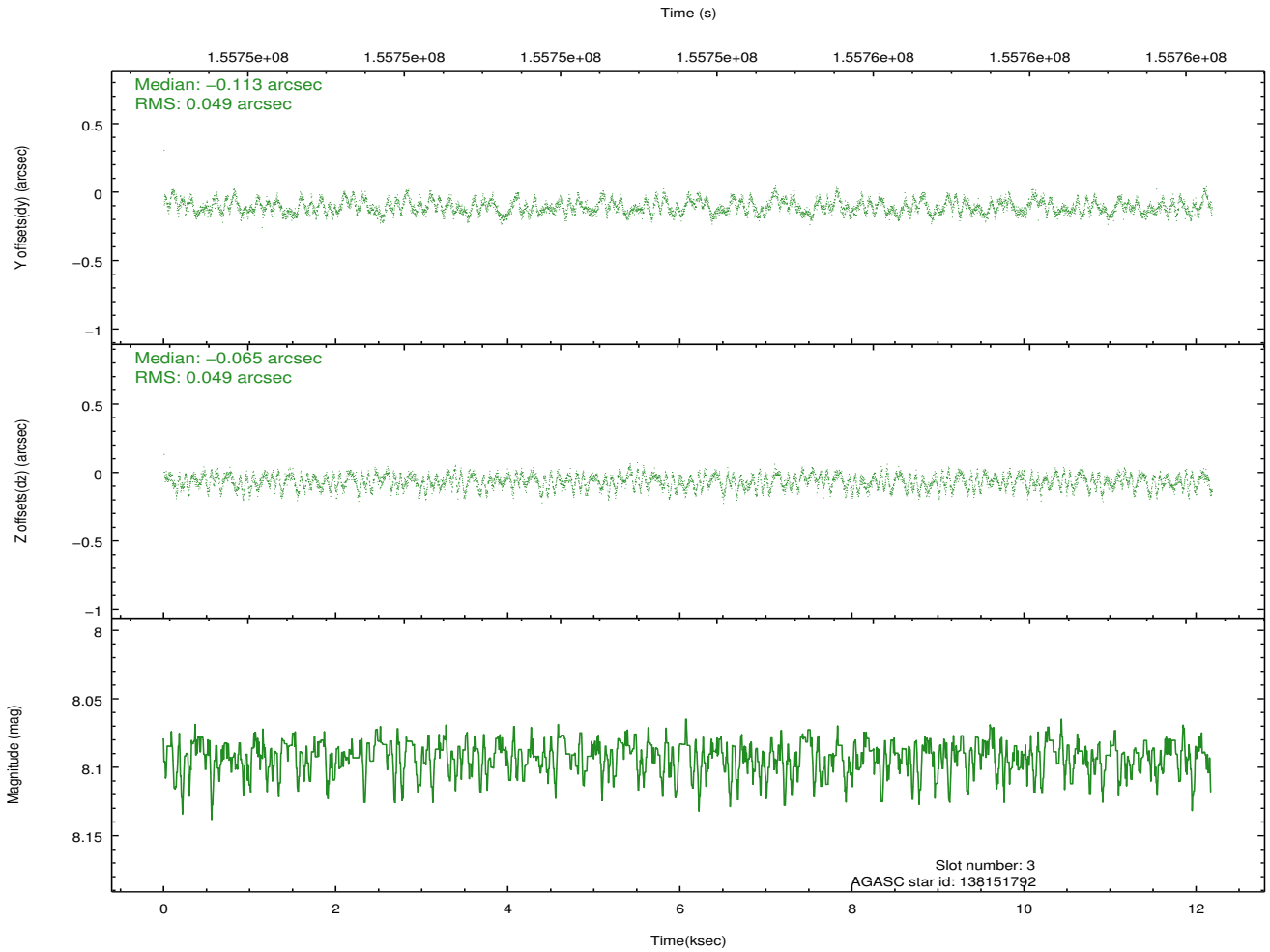
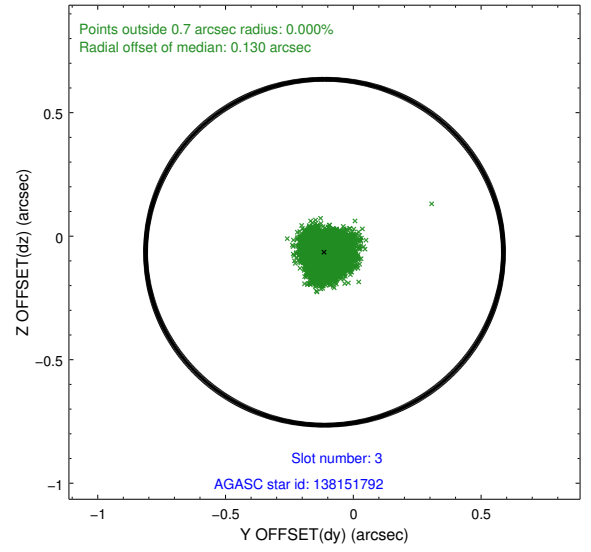
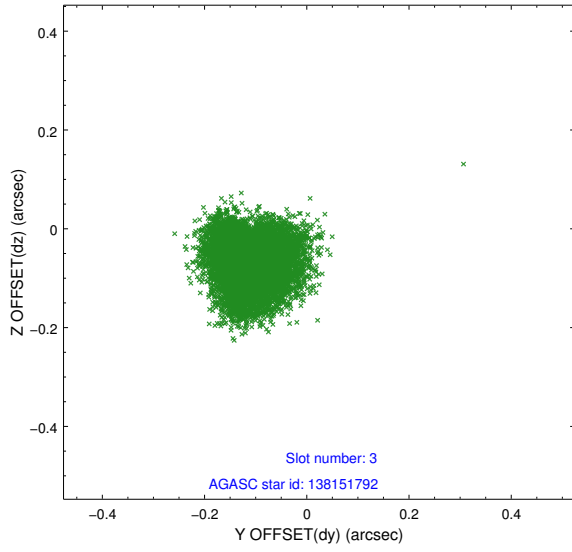


Slot Statistics

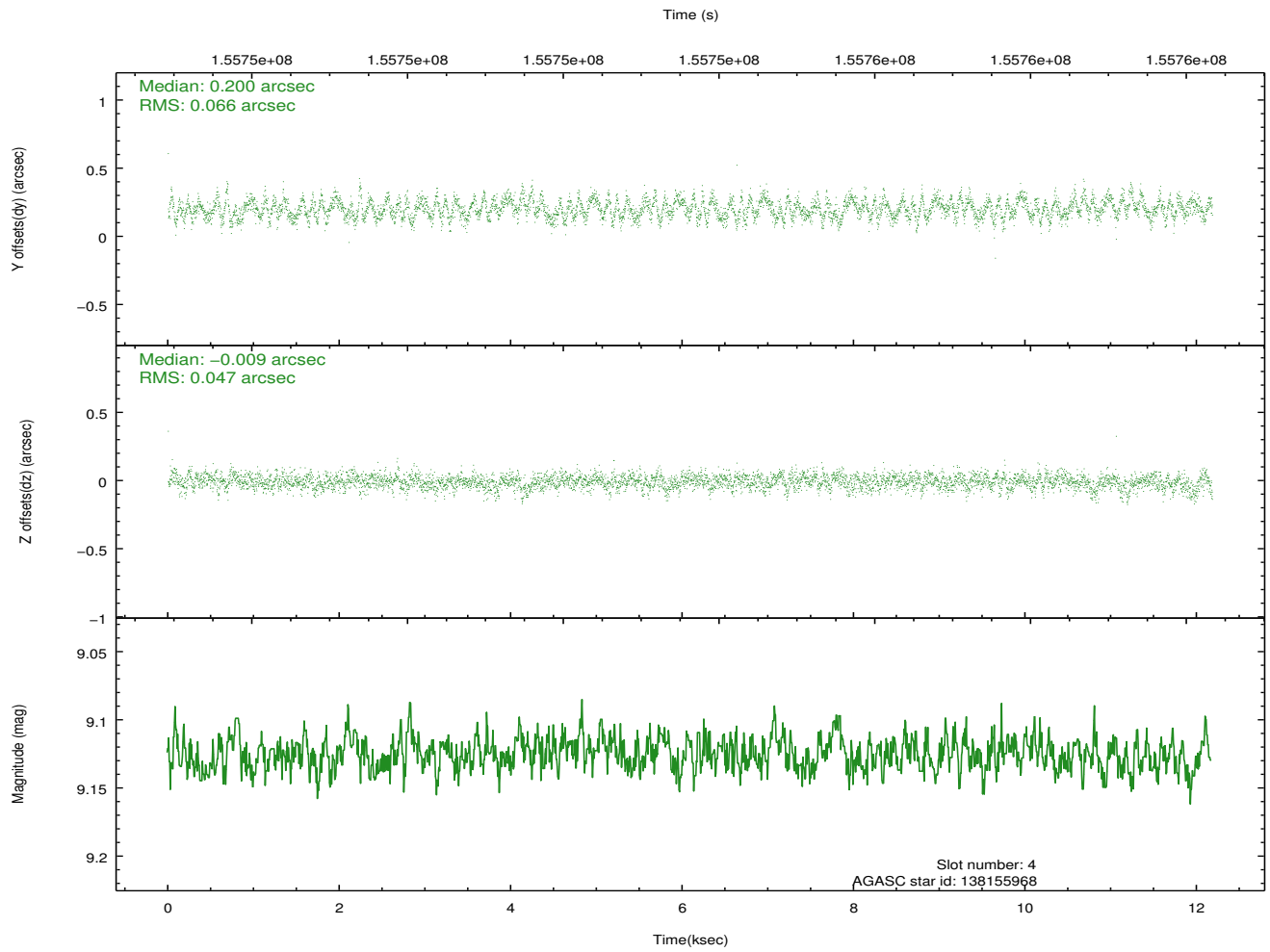
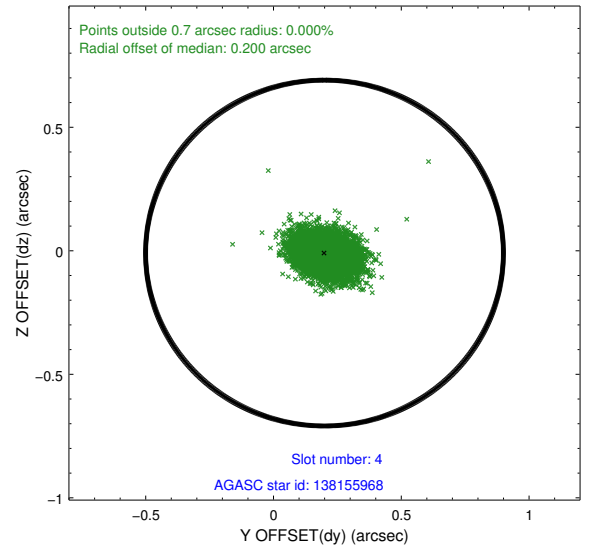
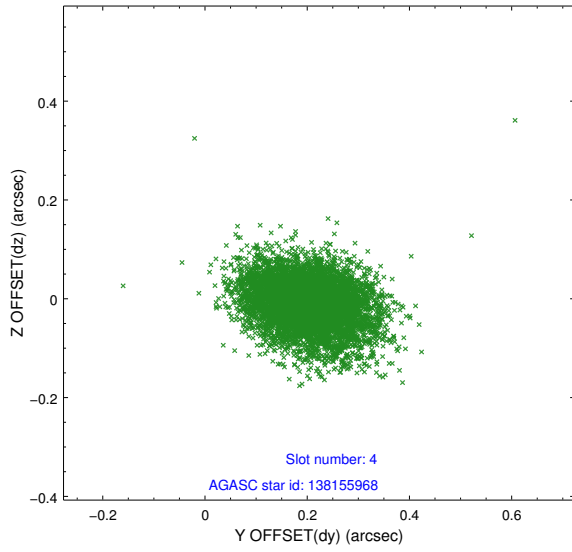
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2971	-0.037	0.069	0.006	0.011	0.000000	0.000000	938.06	-832.03
1	FID	ACIS-I-5	7.24	2971	-0.051	0.022	0.006	0.010	0.000000	0.000000	-1809.83	1065.21
2	FID	ACIS-I-6	7.26	2970	-0.003	-0.021	0.007	0.011	0.000000	0.000000	403.20	1710.13
3	GUIDE	138151792	8.09	5943	-0.113	-0.065	0.076	0.112	290.048456	14.138751	-2146.43	-1801.78
4	GUIDE	138155968	9.13	5943	0.200	-0.009	0.084	0.139	290.713024	13.375477	1433.45	-2170.29
5	GUIDE	139861080	8.60	5941	0.056	0.031	0.063	0.100	291.366435	13.701100	2261.94	262.52
6	GUIDE	138158720	8.39	5939	-0.183	-0.008	0.069	0.111	289.966920	14.063989	-2165.23	-2193.08
7	GUIDE	139860136	8.53	5942	0.042	0.053	0.090	0.139	291.441042	14.451940	565.43	2383.43

2.4 Star Slots

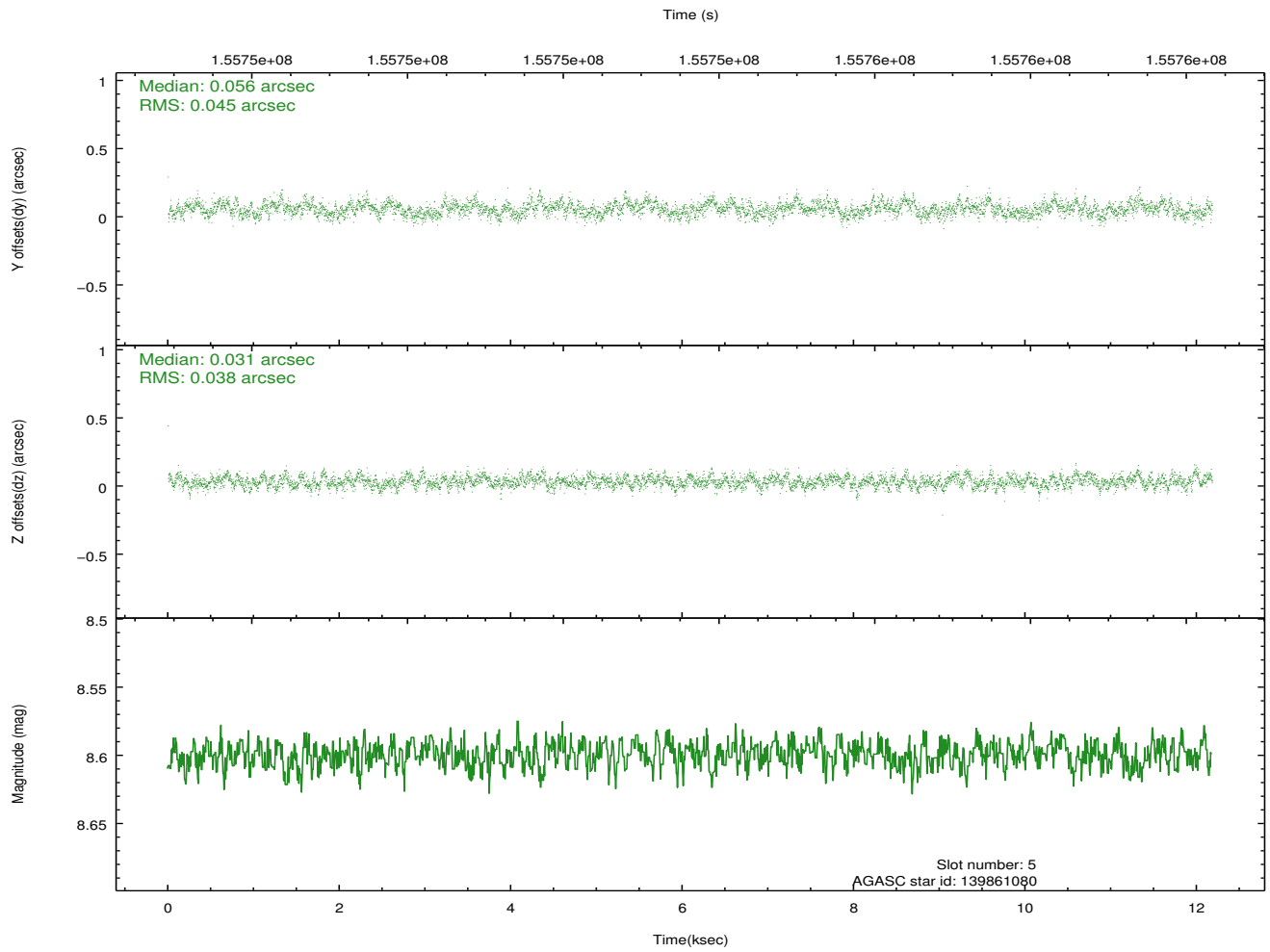
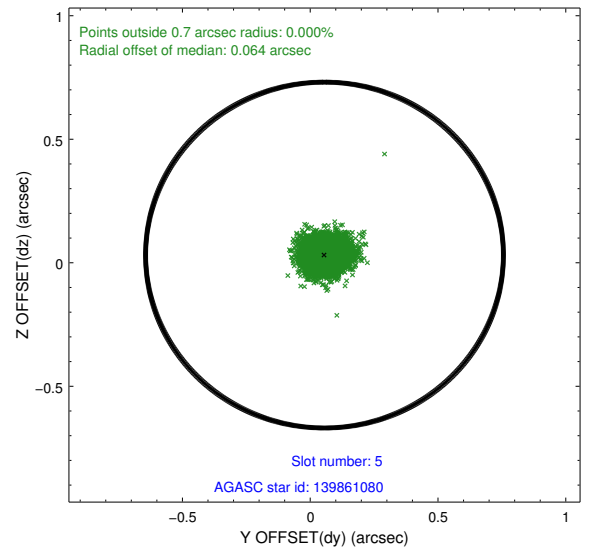
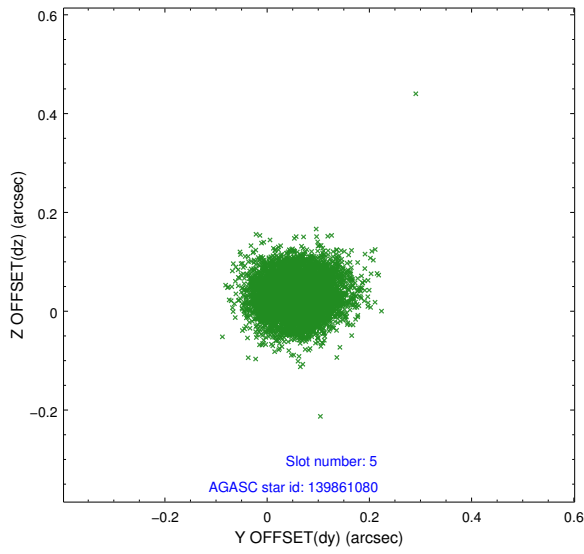
2.4.1 Slot 3



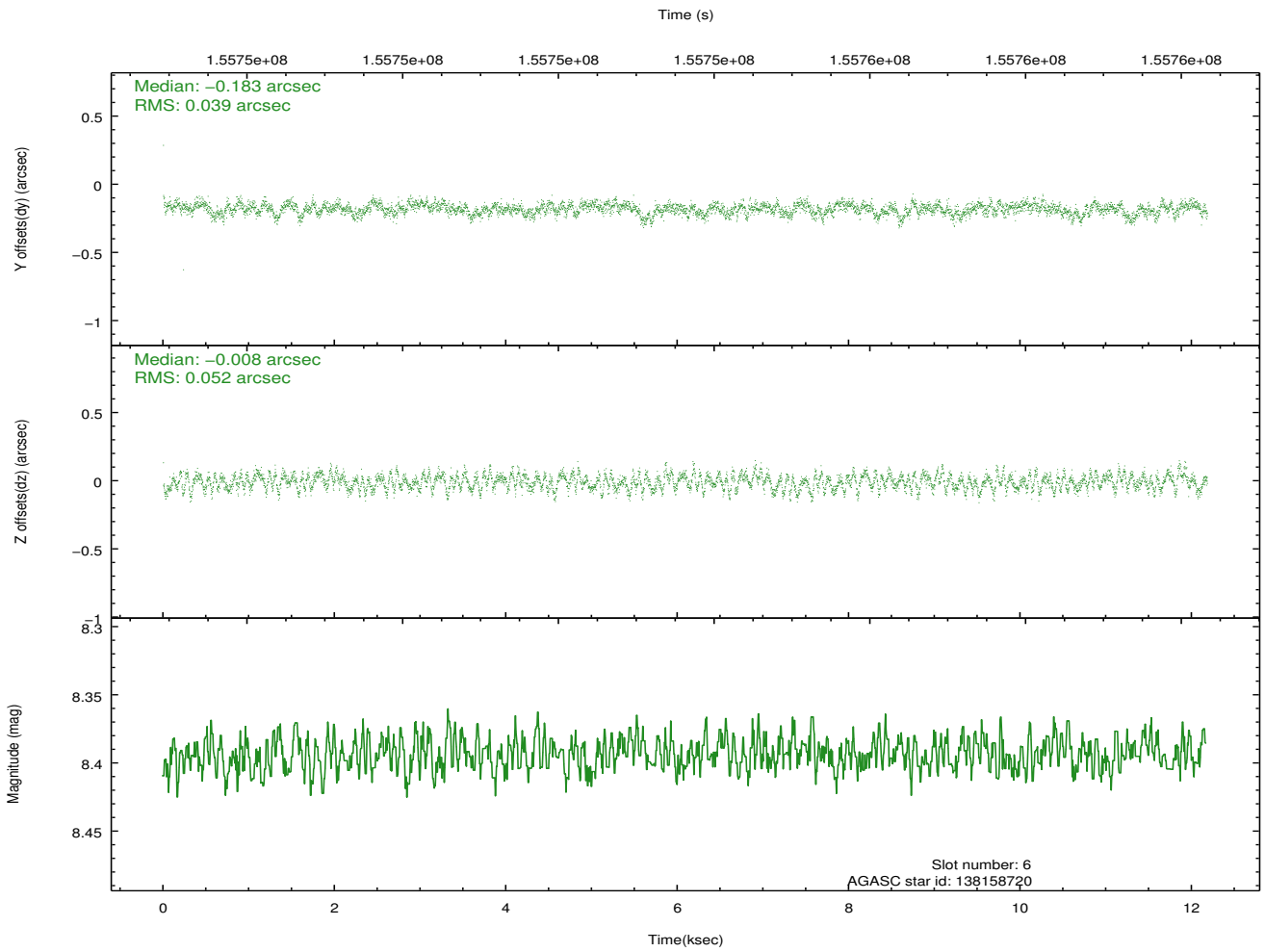
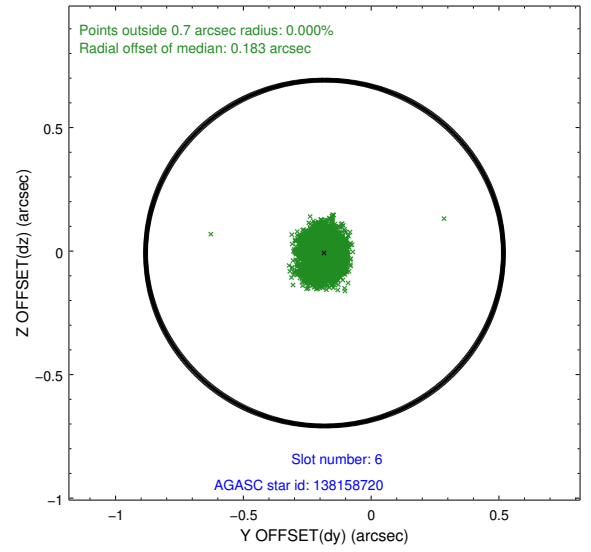
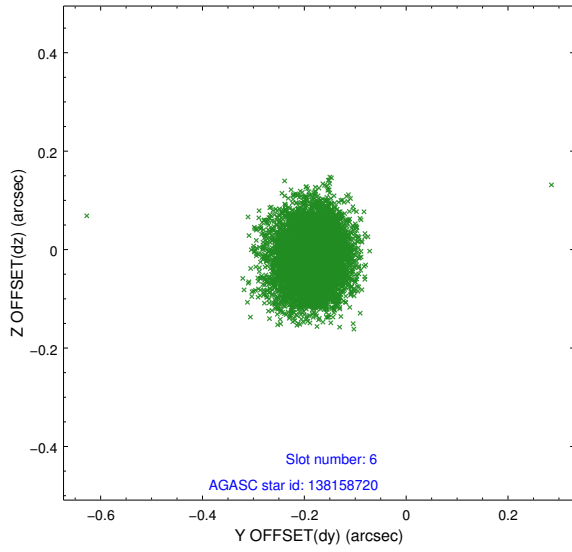
2.4.2 Slot 4



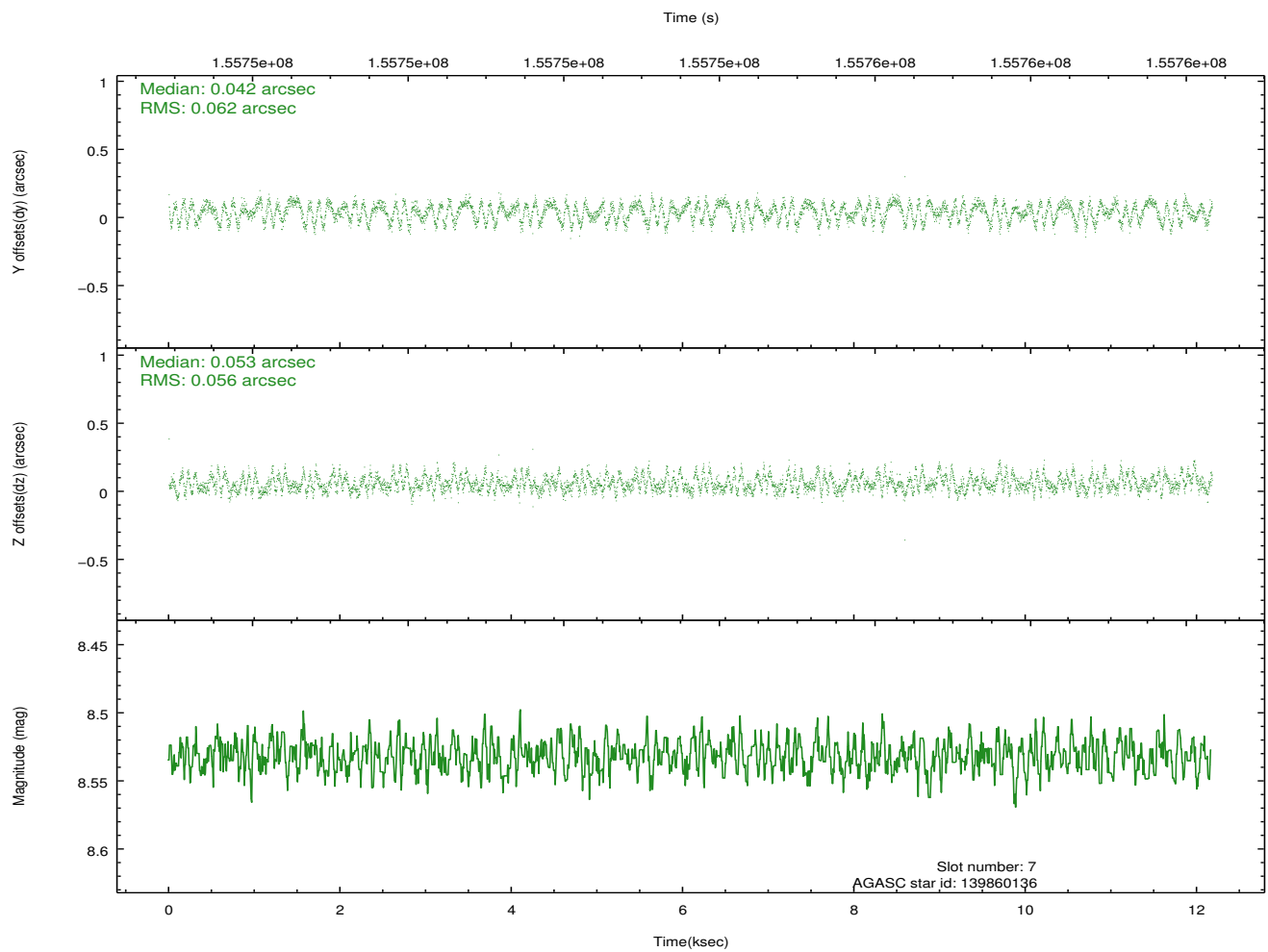
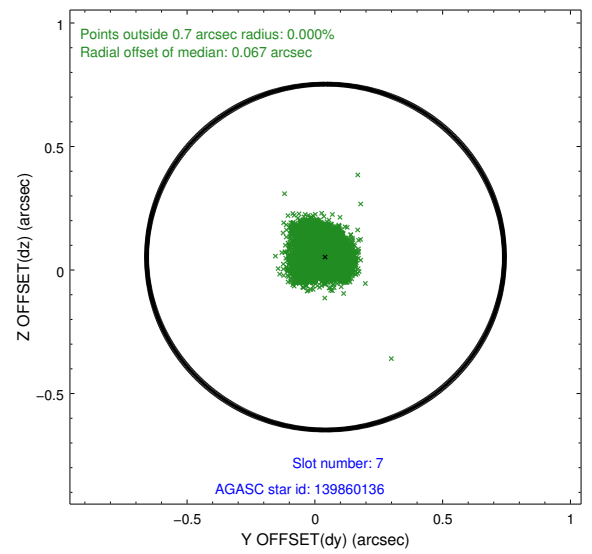
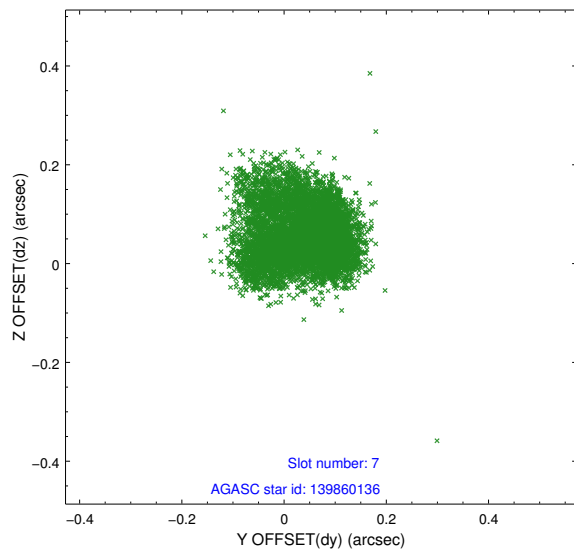
2.4.3 Slot 5



2.4.4 Slot 6

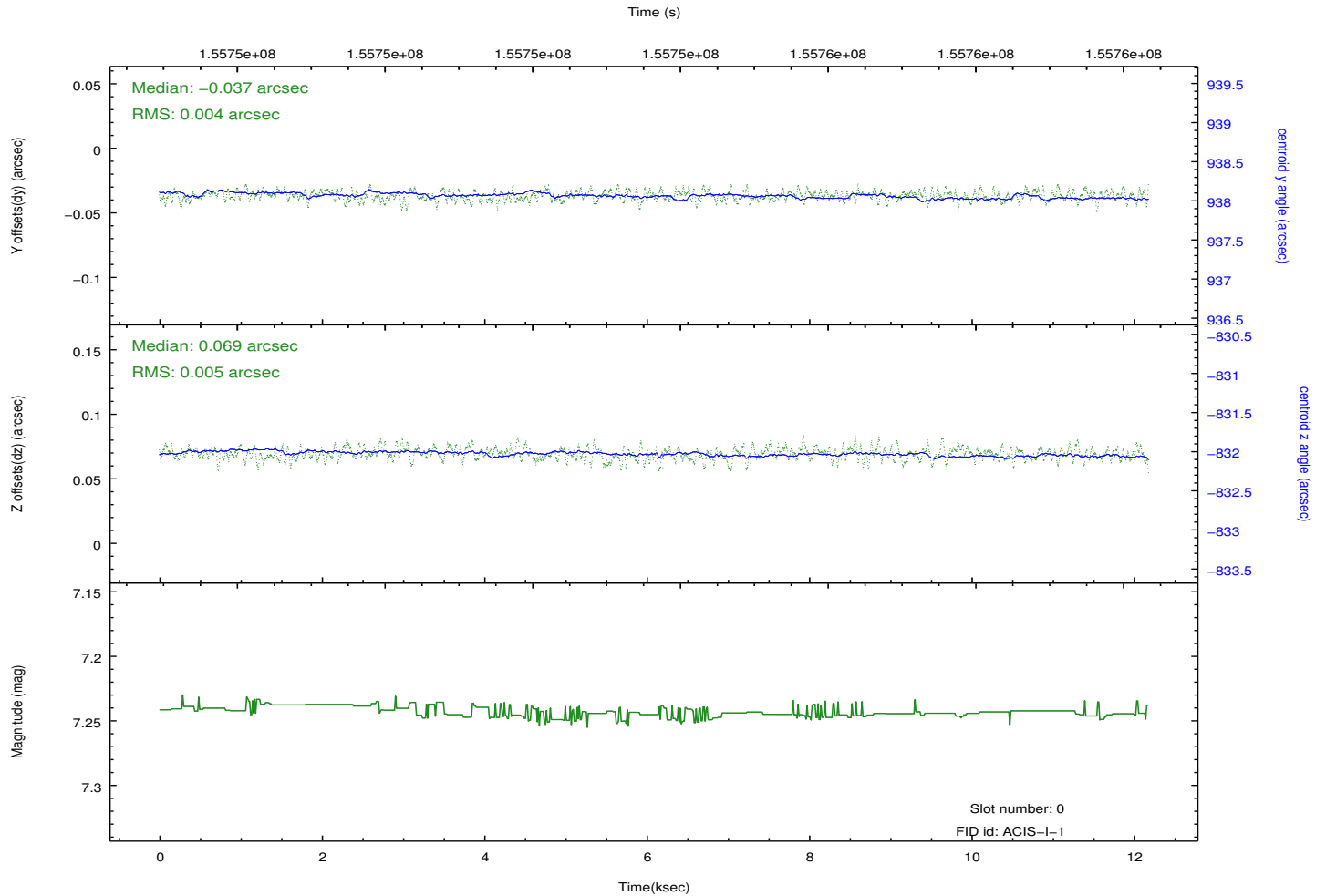
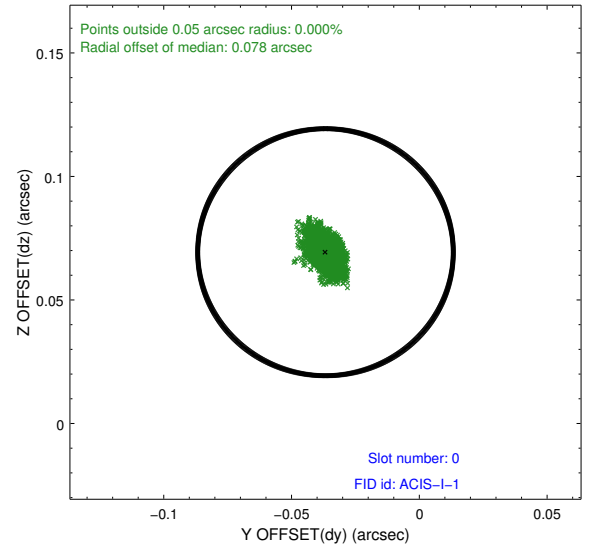
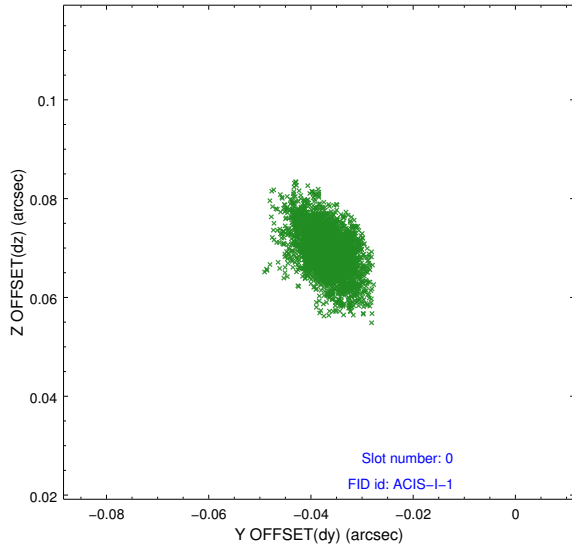


2.4.5 Slot 7

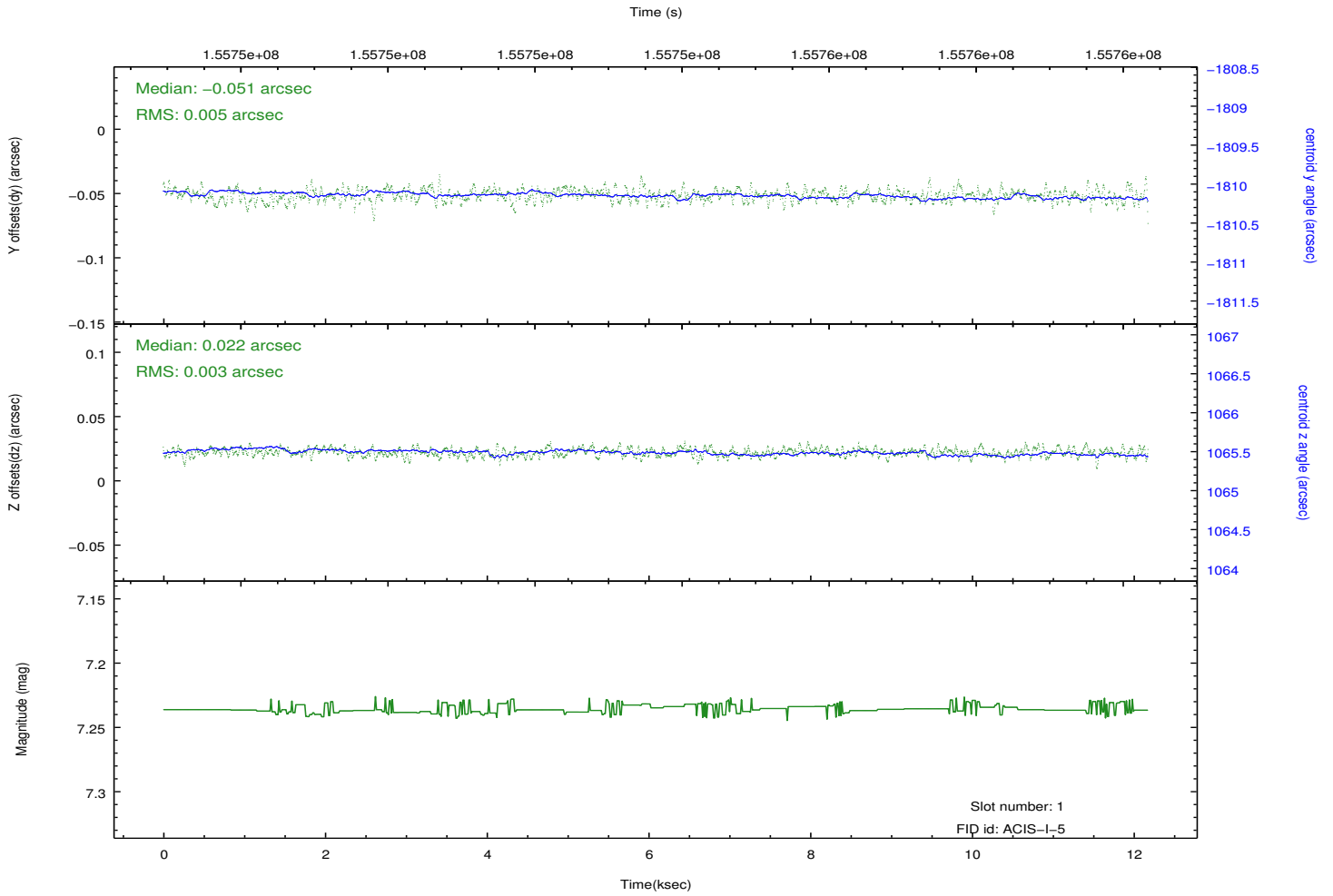
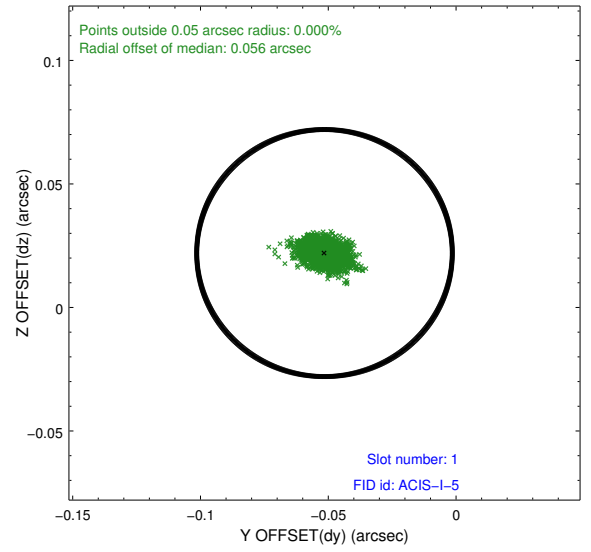
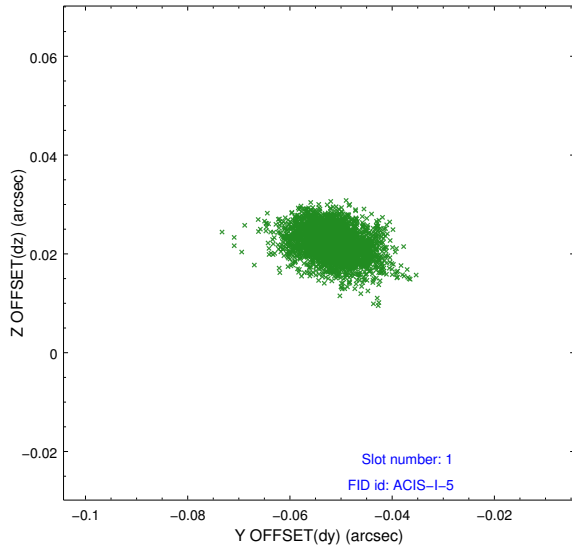


2.5 FID Slots

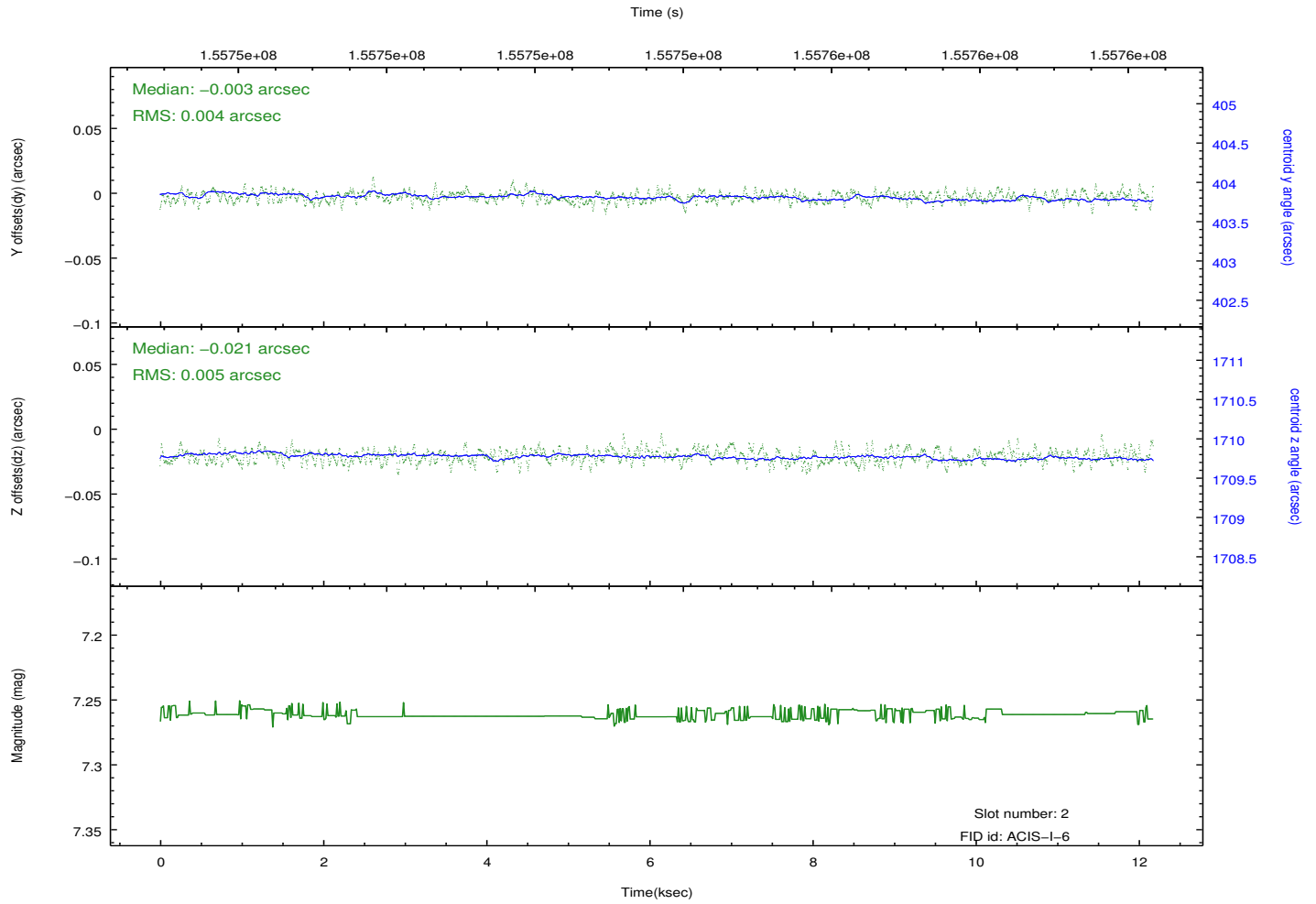
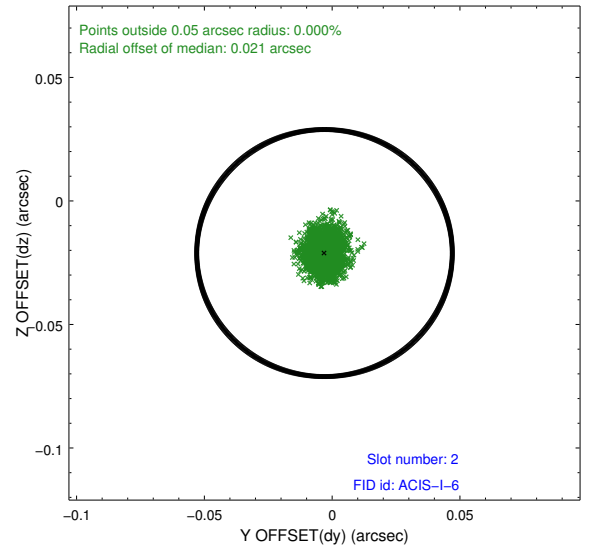
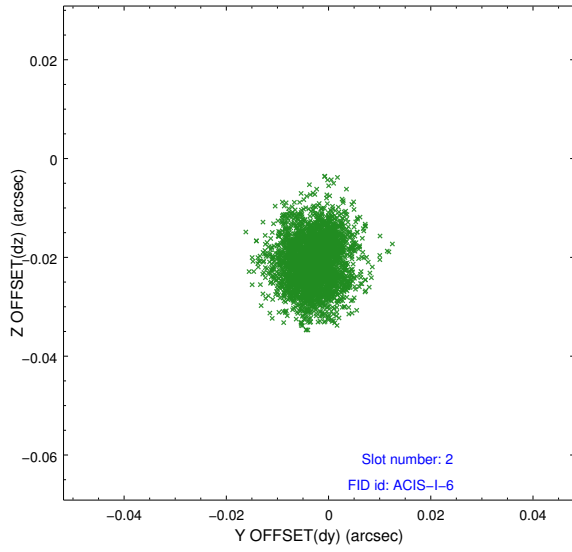
2.5.1 Slot 0



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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.118

A.2 Comments