

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4385 - L2 Version 3
Chandra X-Ray Center

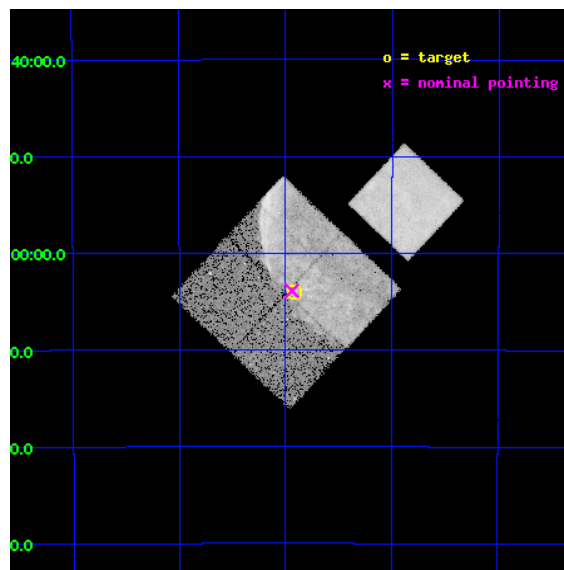
L2 Processing Date : Oct 26 2012

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1 Front

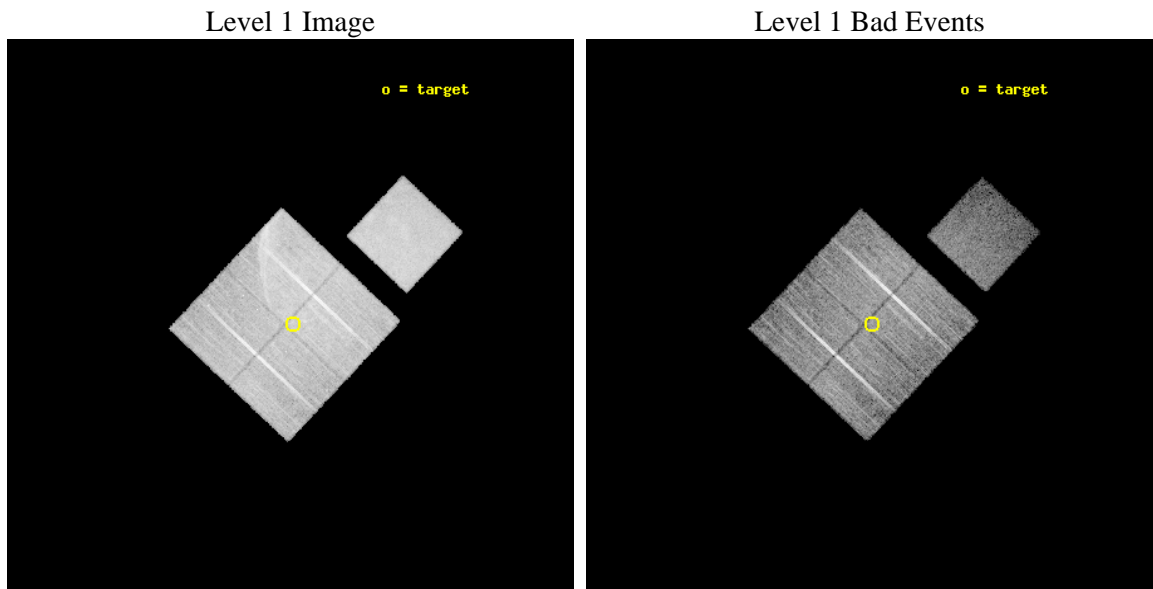
seq_num	500317	Sequence number
obs_id	4385	Observation id
title	STUDYING HIGH MACH NUMBER SHOCKS IN YOUNG SUPERNOVA REMNANTS WITH CHANDRA	Proposal title
observer	Prof. John Hughes	Principal investigator
object	SN1006	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.979208	Observer's specified target RA [deg]
dec_targ	-42.0667	Observer's specified target Dec [deg]
ra_nom	225.98508709183	Nominal RA [deg]
dec_nom	-42.065080115737	Nominal Dec [deg]
roll_nom	43.212638054505	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20052.858003557	Sum of GTIs [s]
livetime	19790.852651041	Livetime [s]
ontime0	20052.734883547	Sum of GTIs [s]
ontime1	20037.071022391	Sum of GTIs [s]
ontime2	20049.67598331	Sum of GTIs [s]
ontime3	20052.858003557	Sum of GTIs [s]
ontime7	20052.89904356	Sum of GTIs [s]
l2events	189885	Number of level 2 events



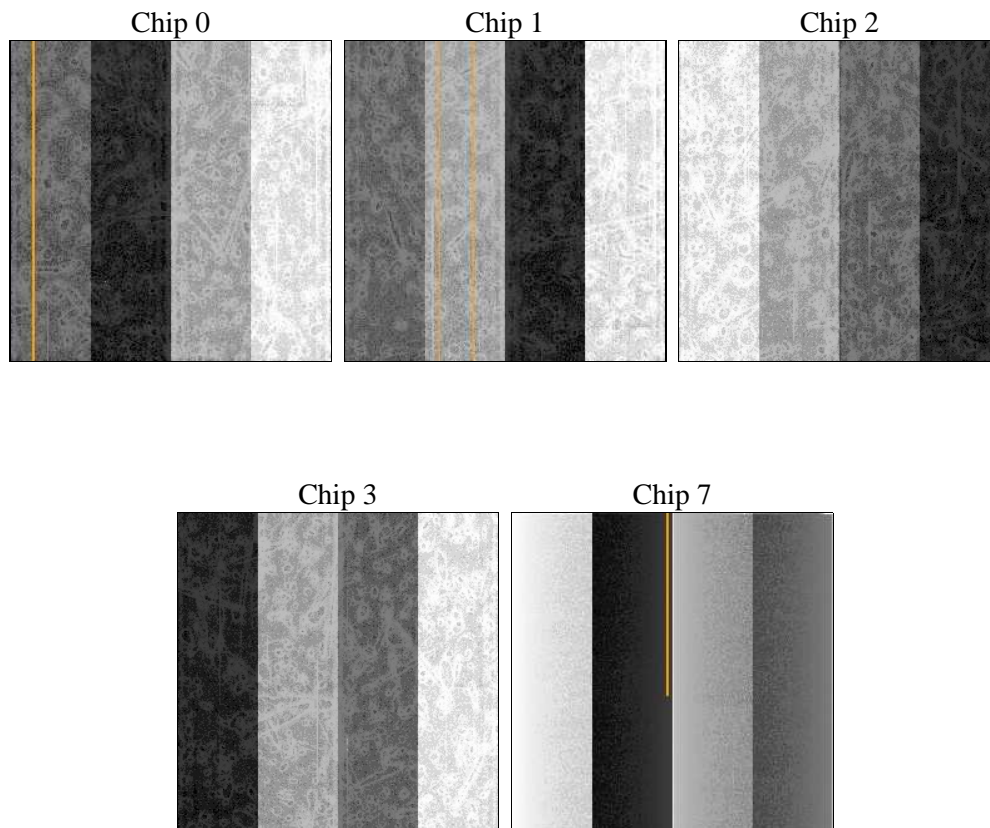
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20280.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20052.858003557	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	20052.734883547	Sum of GTIs [s]
date	2012-10-26T11:54:47	Date and time of file creation	ontime1	20037.071022391	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20049.67598331	Sum of GTIs [s]
			ontime3	20052.858003557	Sum of GTIs [s]
			ontime7	20052.89904356	Sum of GTIs [s]
			l1events	625134	Number of level 1 events

2.1.4 Events

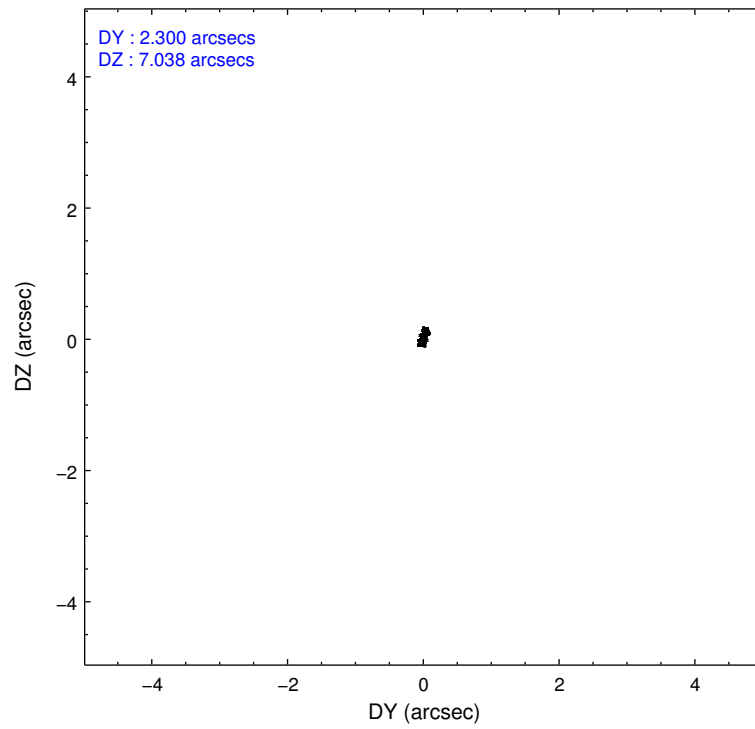
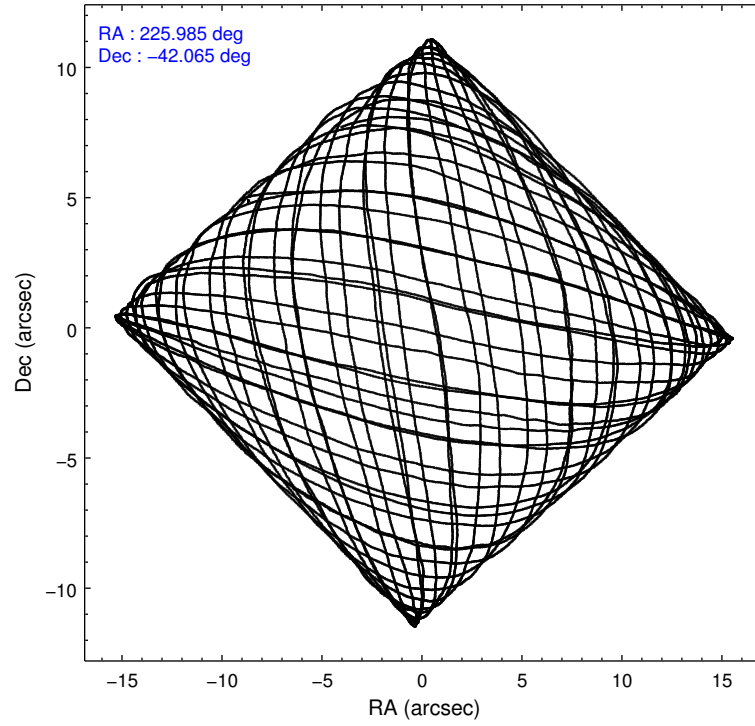
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	96036	101969	150558	134262	142309
rejected events	85101	89057	100424	96926	51397
rejected %	88%	87%	66%	72%	36%

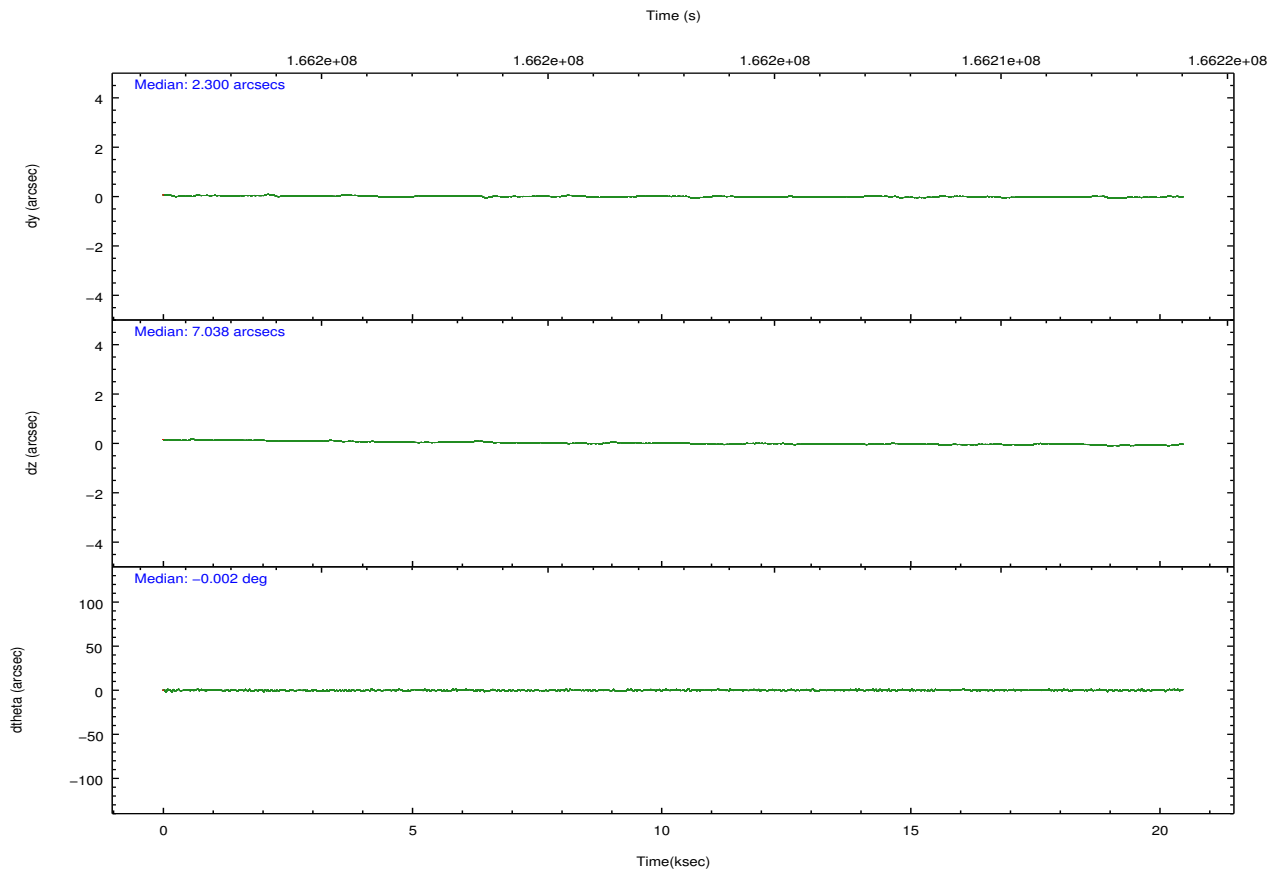
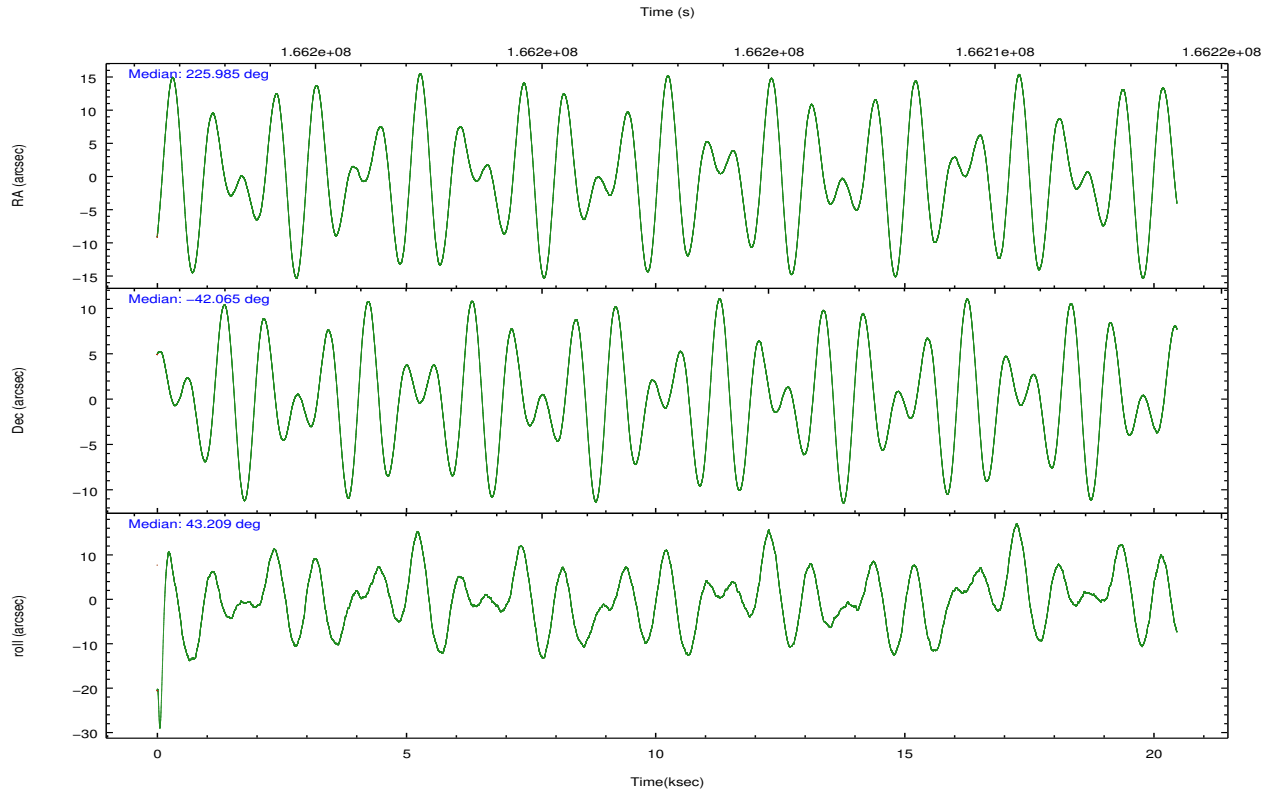
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	4475	5860	38911	28778	22091
	4%	5%	25%	21%	15%
grade 1 events	40	49	183	167	75
	0%	0%	0%	0%	0%
grade 2 events	2444	2364	5466	3661	21053
	2%	2%	3%	2%	14%
grade 3 events	1143	1288	1800	1486	9499
	1%	1%	1%	1%	6%
grade 4 events	1091	1257	1836	1432	9329
	1%	1%	1%	1%	6%
grade 5 events	3170	3337	2987	3473	10604
	3%	3%	1%	2%	7%
grade 6 events	1787	2146	2134	1989	28972
	1%	2%	1%	1%	20%
grade 7 events	81886	85668	97241	93276	40686
	85%	84%	64%	69%	28%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	225.974553	225.9850870918319	Subarray requested	NONE	NONE
[deg] Pointing Dec	-42.091346	-42.0650801157371	Alternating exposures requested	N	N
[deg] Pointing Roll	42.996882	43.21263805450515	[s] Primary exposure time	0.000000	3.1
[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)	166192709.184000	166192333.55877			
Observation start date	2003-04-08T12:37:25	2003-04-08T12:32:13			
[s] Observation end time (MET)	166212989.184000	166213123.12215			
Observation end date	2003-04-08T18:15:25	2003-04-08T18:18:43			
Read mode	TIMED	TIMED			

2.3 Aspect



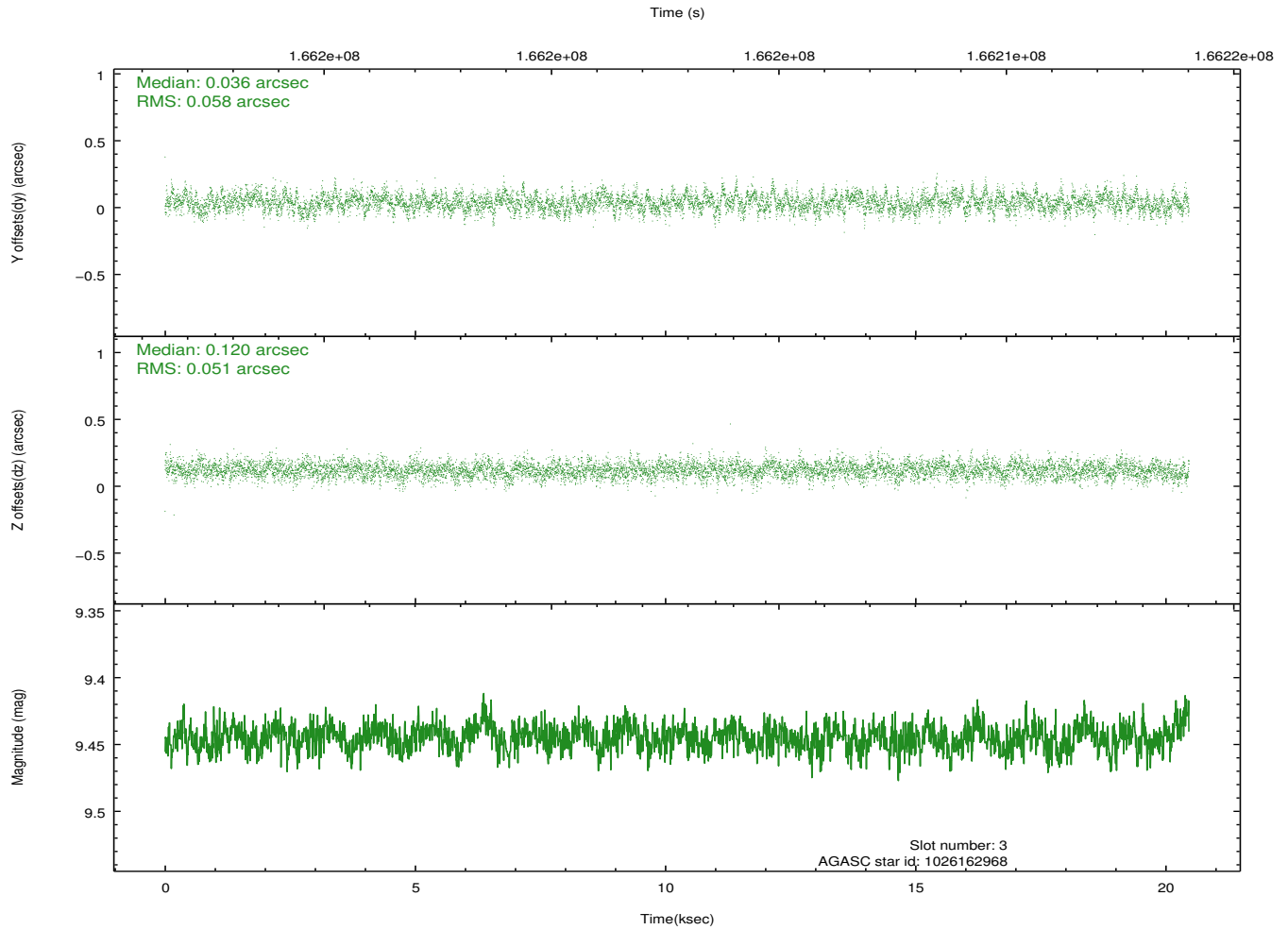
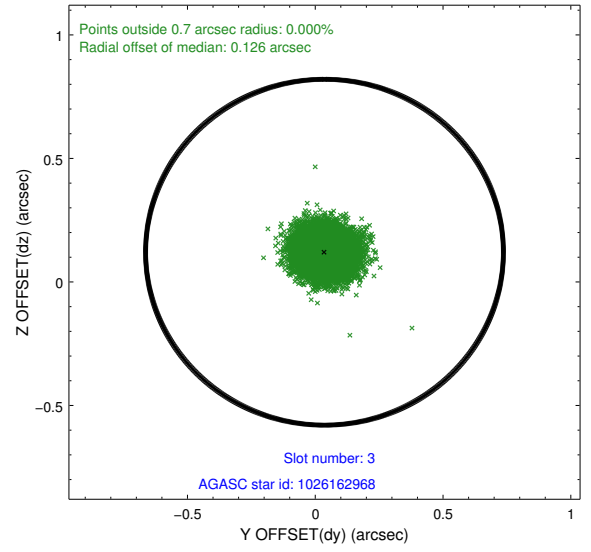
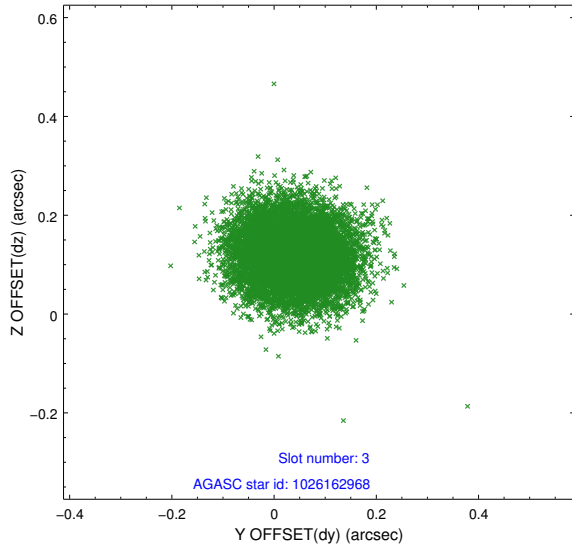


Slot Statistics

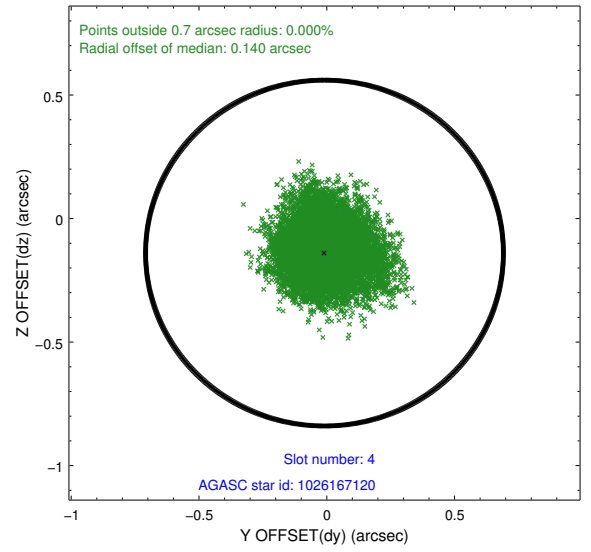
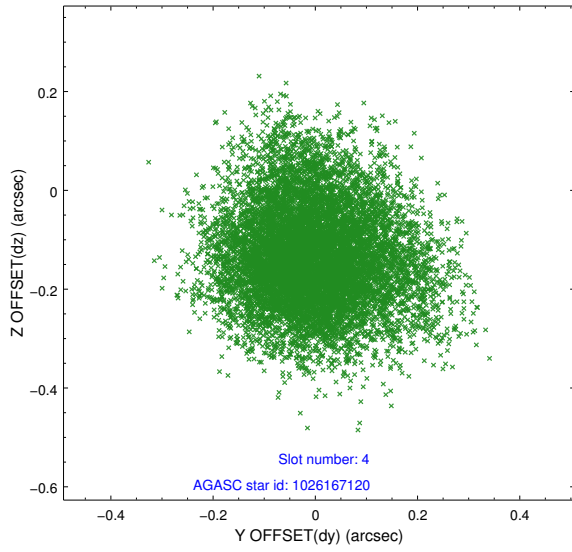
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	4992	-0.032	-0.049	0.008	0.013	0.000000	0.000000	937.48	-830.50
1	FID	ACIS-I-4	7.17	4992	0.024	0.073	0.007	0.012	0.000000	0.000000	2157.69	1069.33
2	FID	ACIS-I-5	7.23	4992	-0.091	0.047	0.006	0.012	0.000000	0.000000	-1810.34	1067.39
3	GUIDE	1026162968	9.44	9979	0.036	0.120	0.082	0.133	225.835985	-42.679852	-1713.16	-1299.62
4	GUIDE	1026167120	9.94	9971	-0.009	-0.140	0.148	0.241	225.363978	-41.769423	-412.94	1961.12
5	GUIDE	1026170368	9.31	9980	0.048	0.131	0.082	0.132	225.763429	-42.291155	-902.15	-142.85
6	GUIDE	1026170800	9.03	9981	0.067	-0.050	0.116	0.175	225.400024	-42.381702	-1833.80	273.52
7	GUIDE	1026182352	9.58	9977	-0.147	-0.065	0.094	0.150	225.929114	-41.603566	1107.51	1367.78

2.4 Star Slots

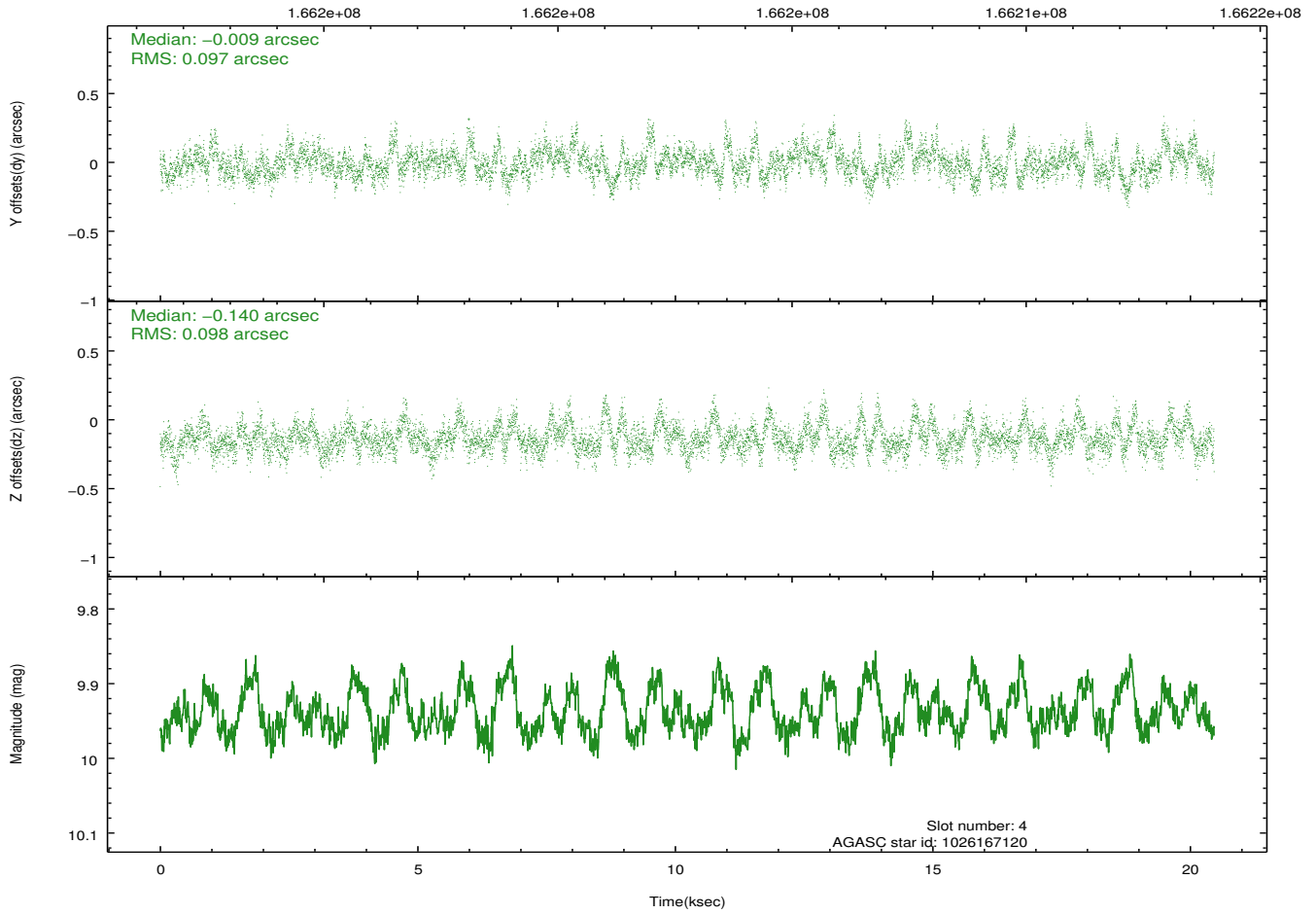
2.4.1 Slot 3



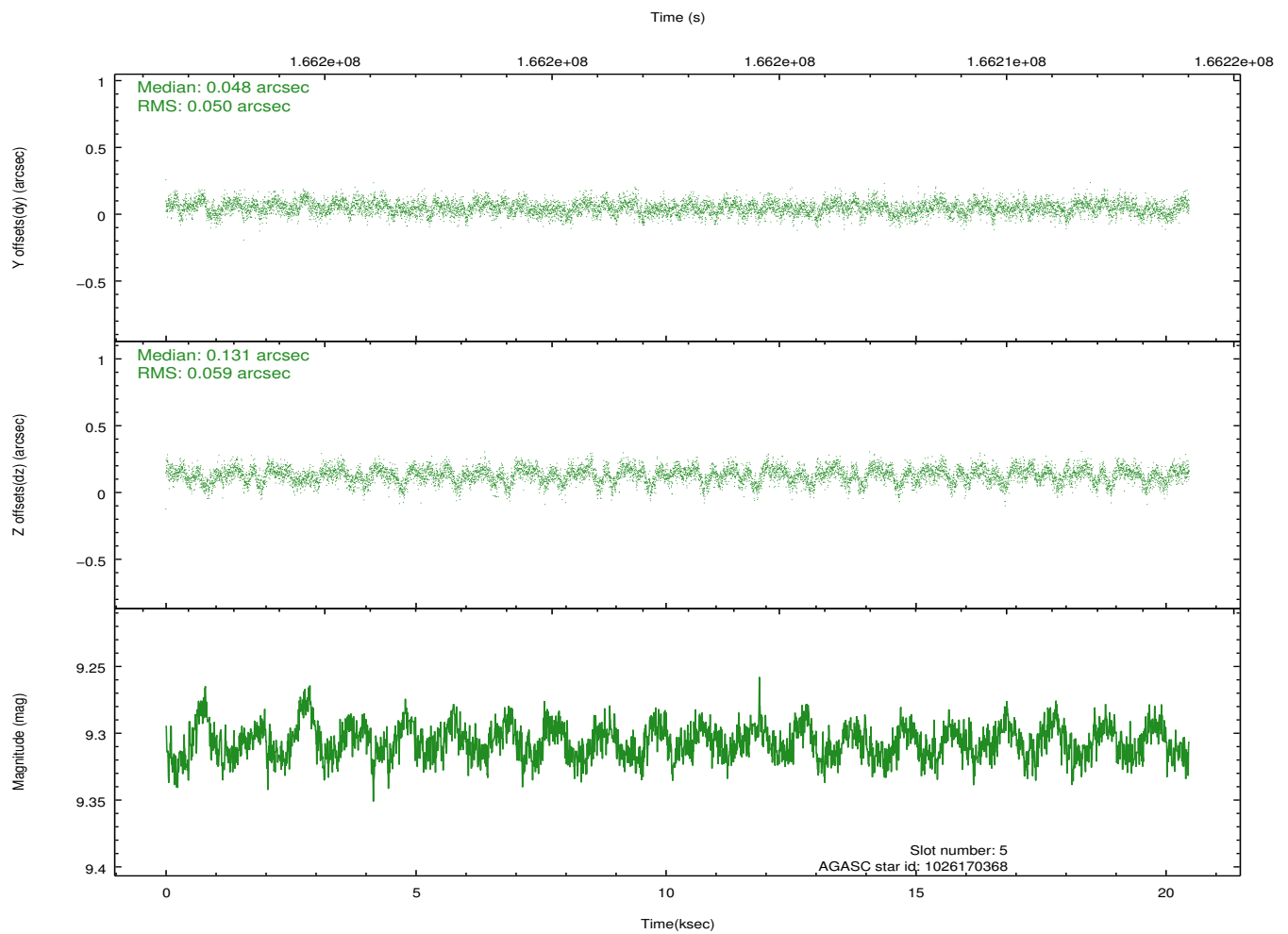
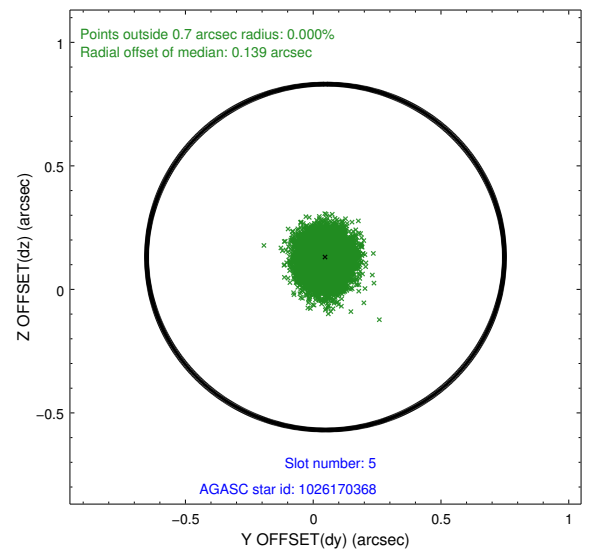
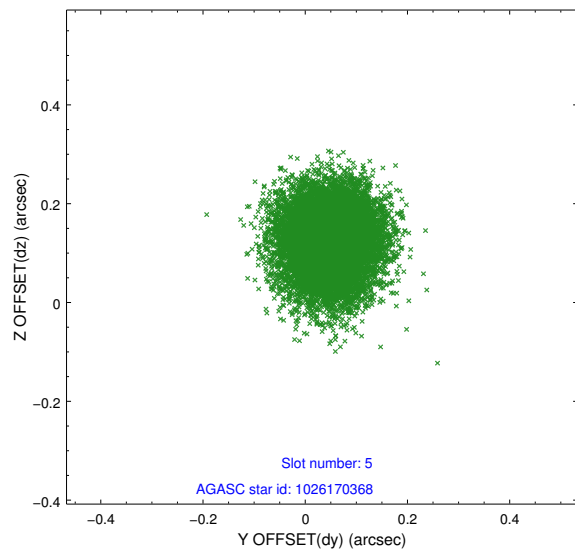
2.4.2 Slot 4



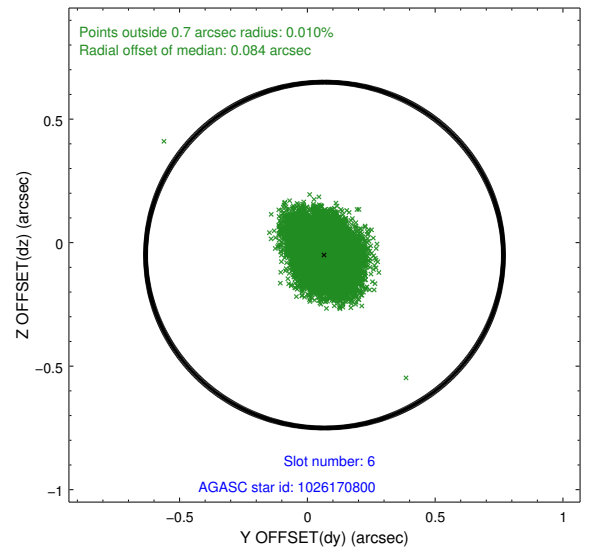
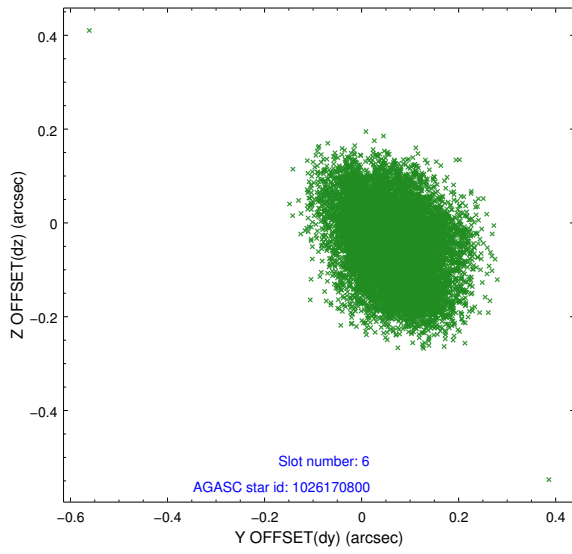
Time (s)



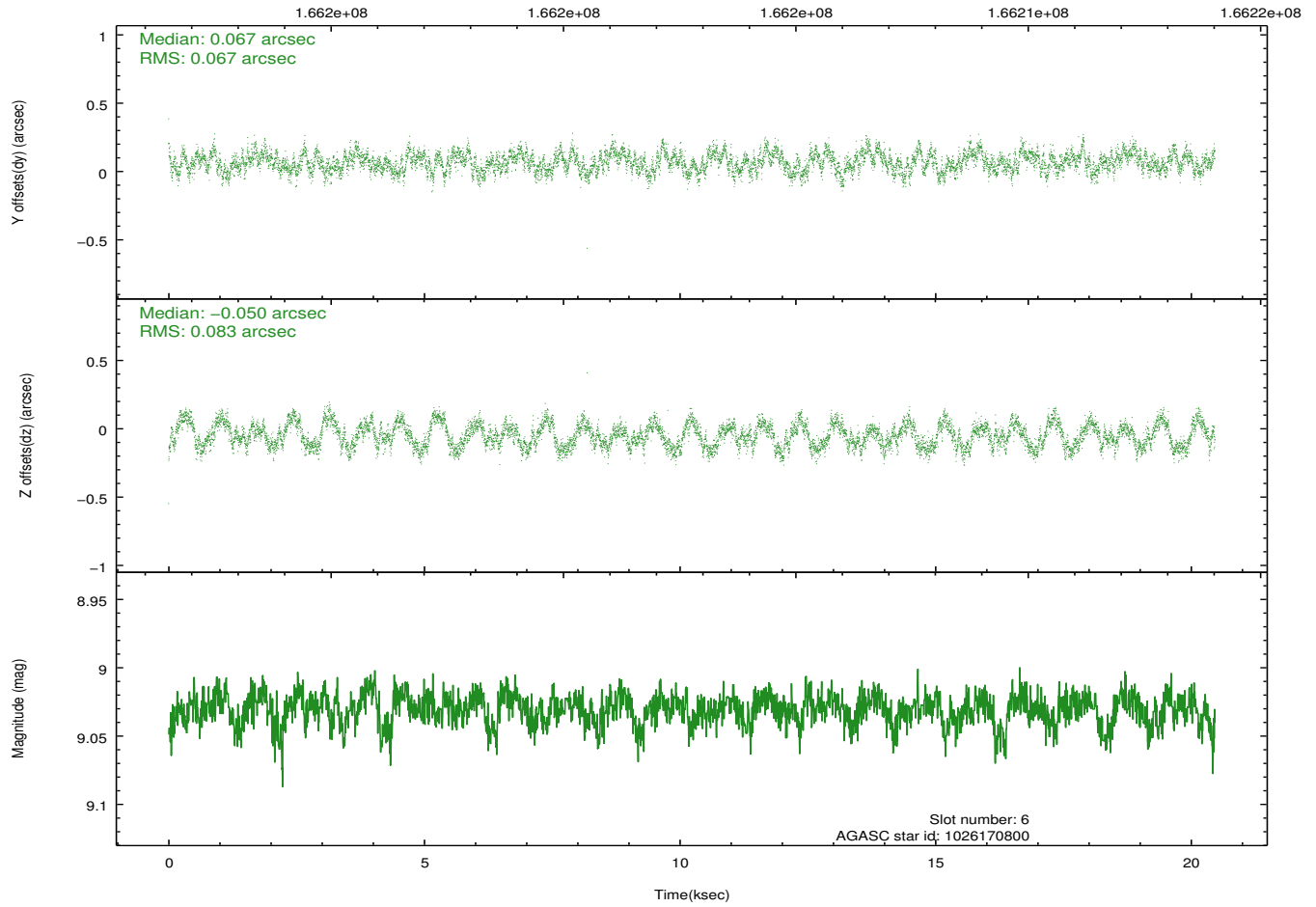
2.4.3 Slot 5



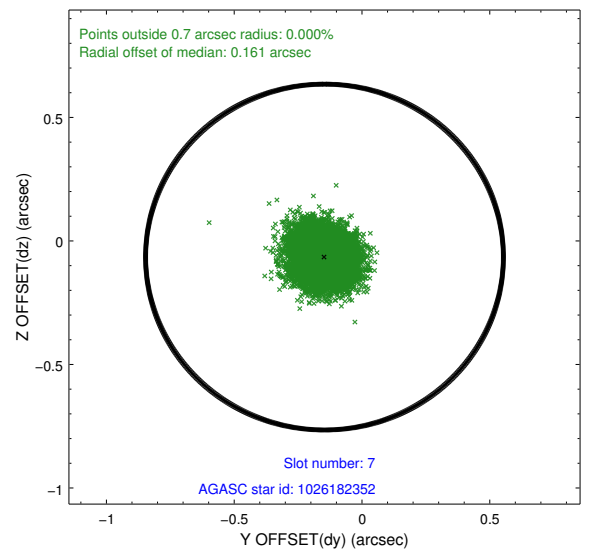
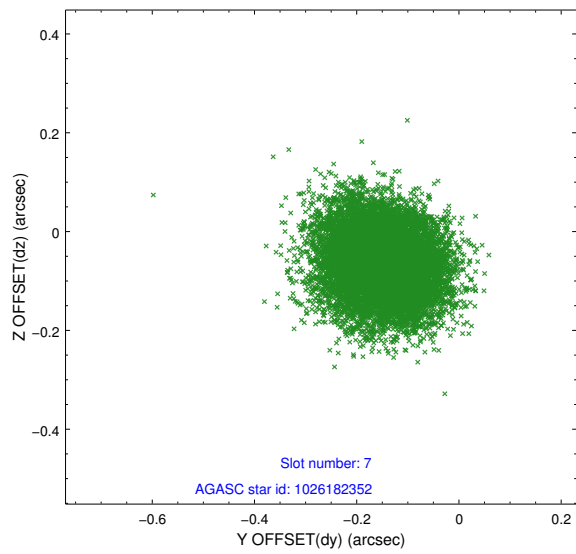
2.4.4 Slot 6



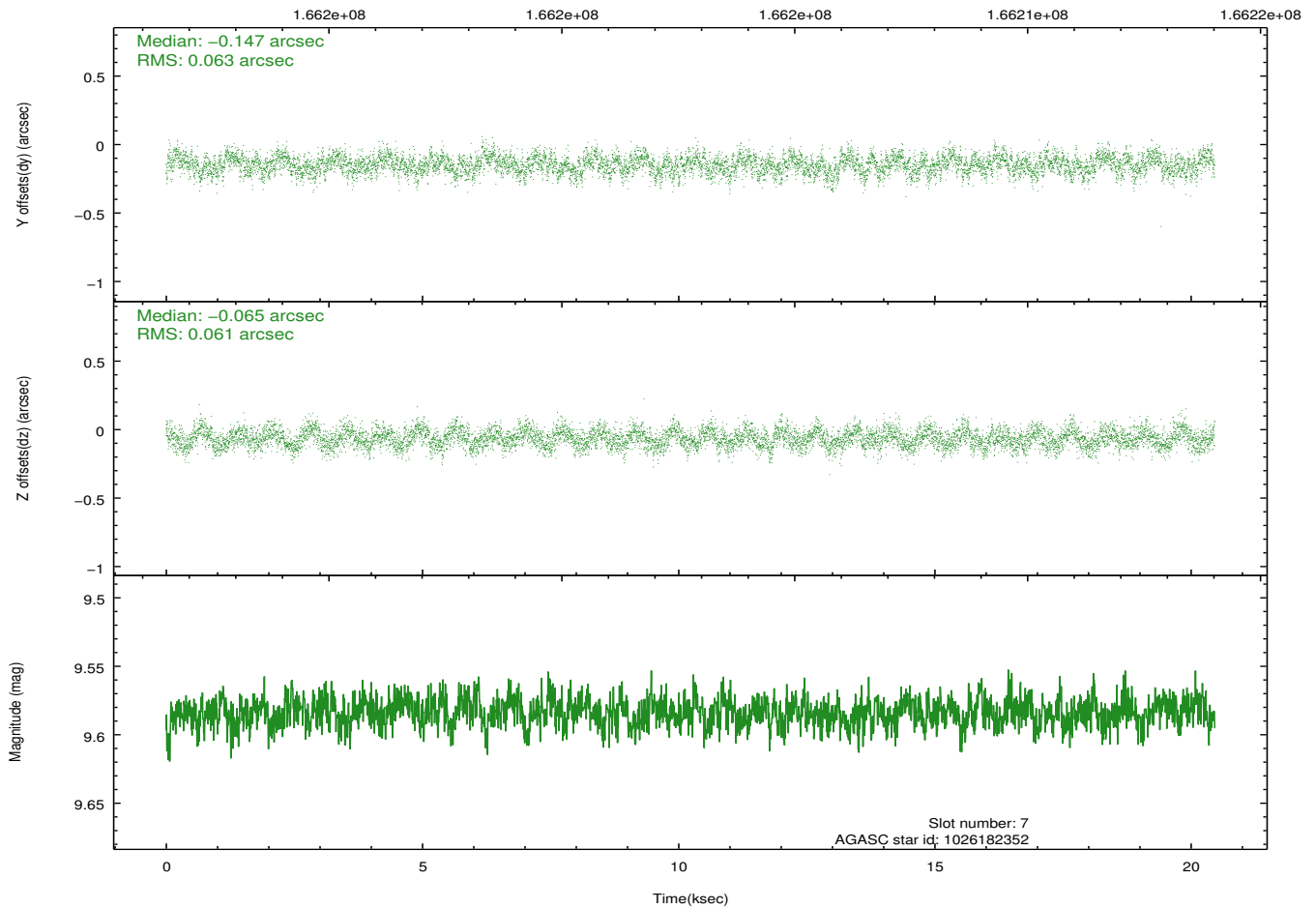
Time (s)



2.4.5 Slot 7

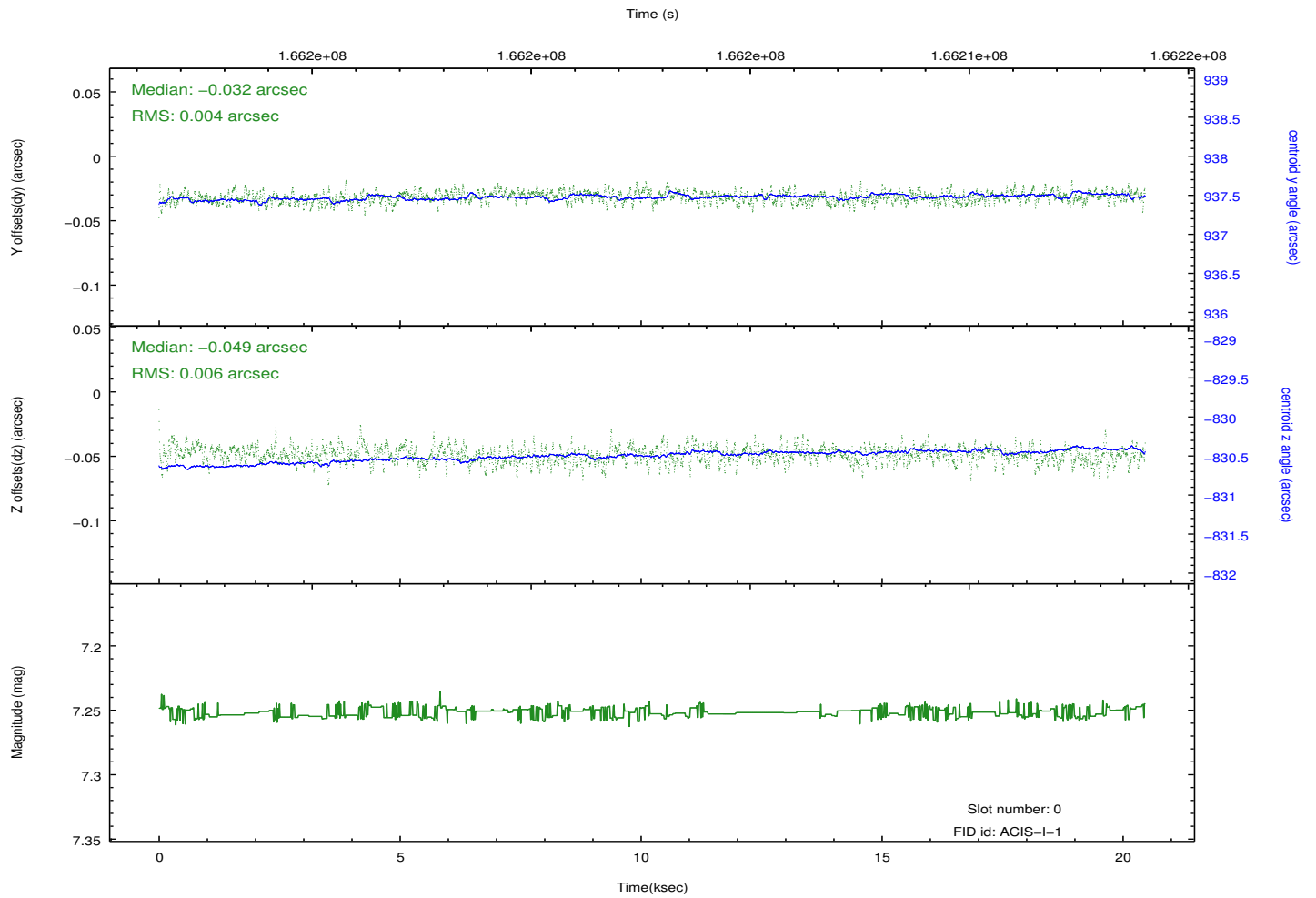
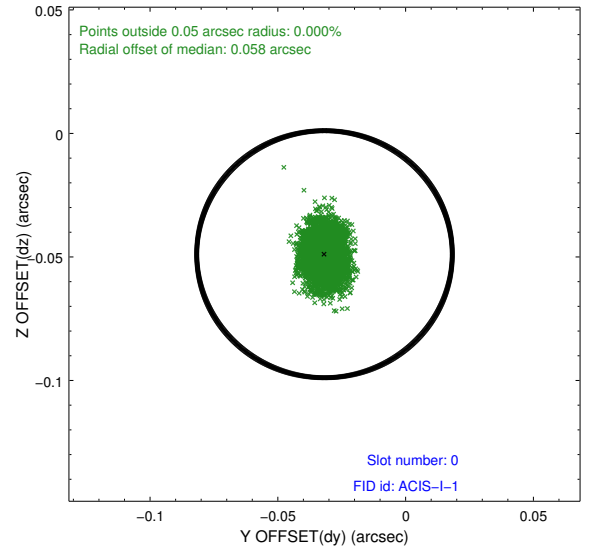
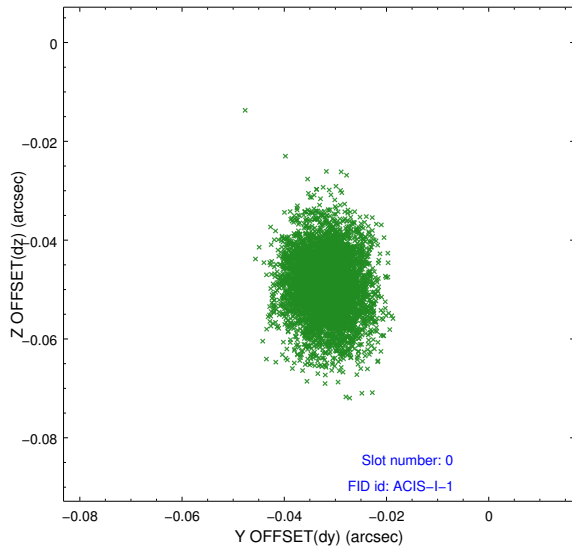


Time (s)

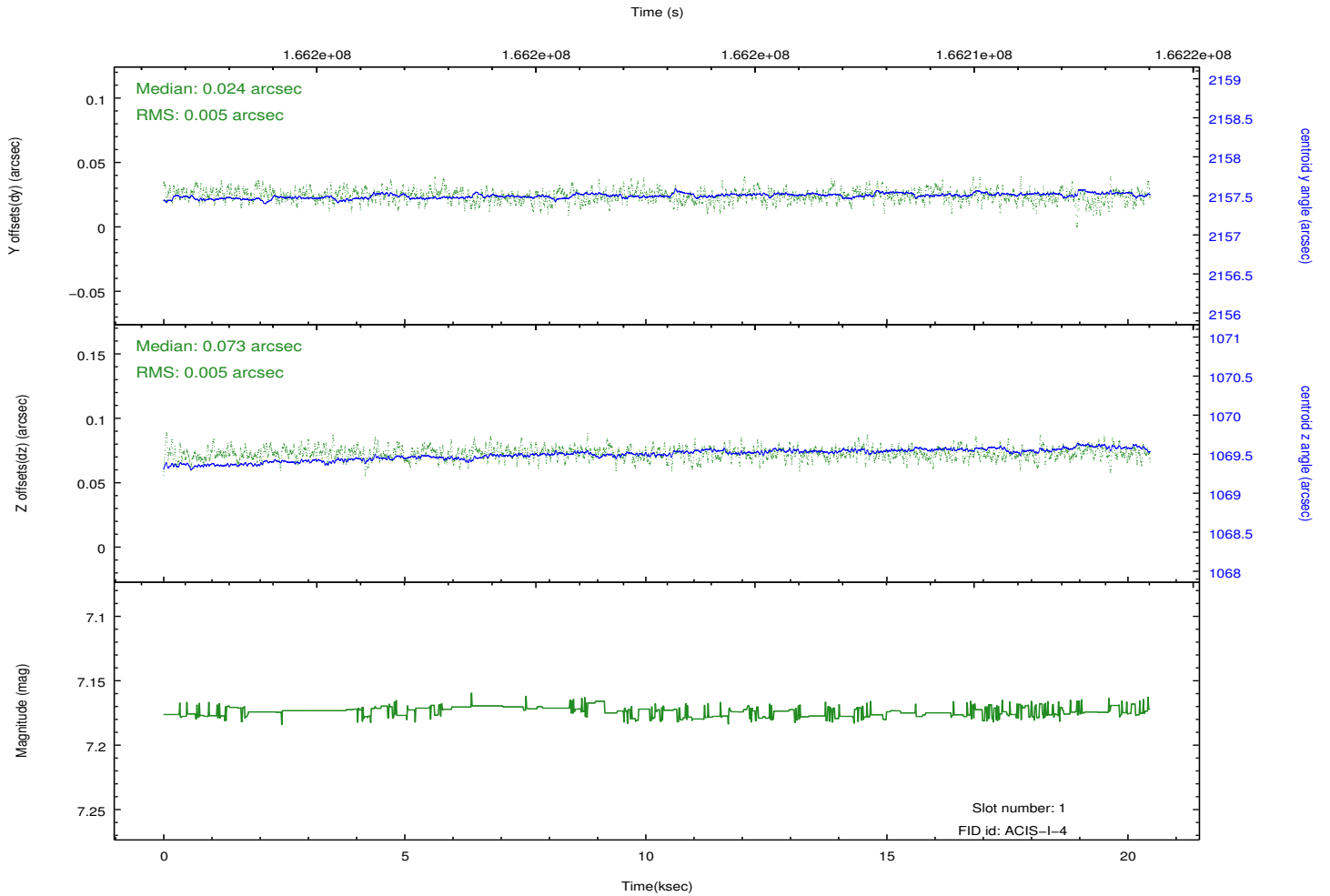
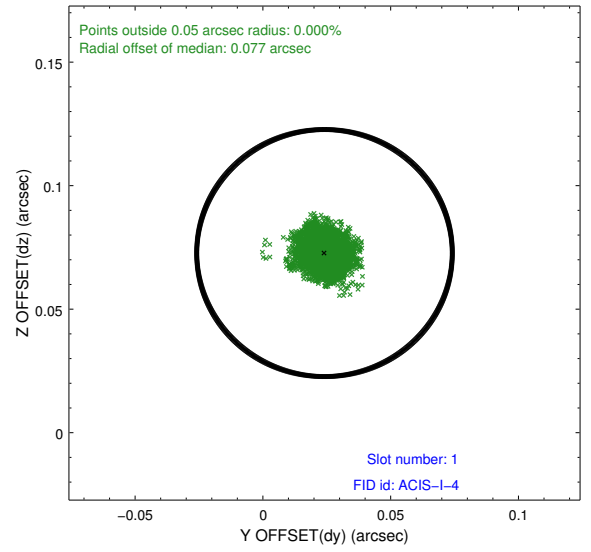
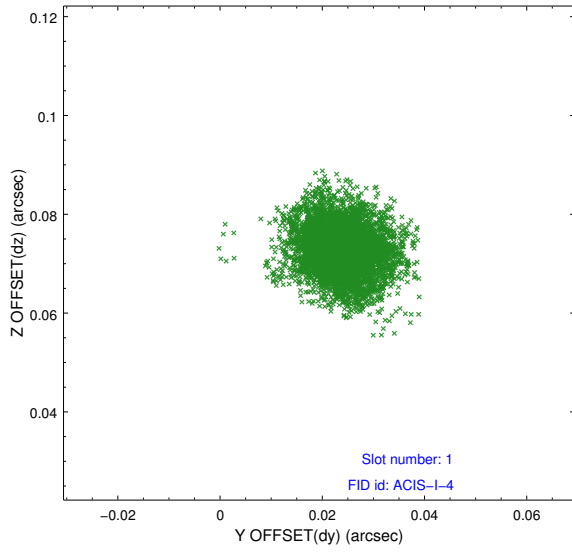


2.5 FID Slots

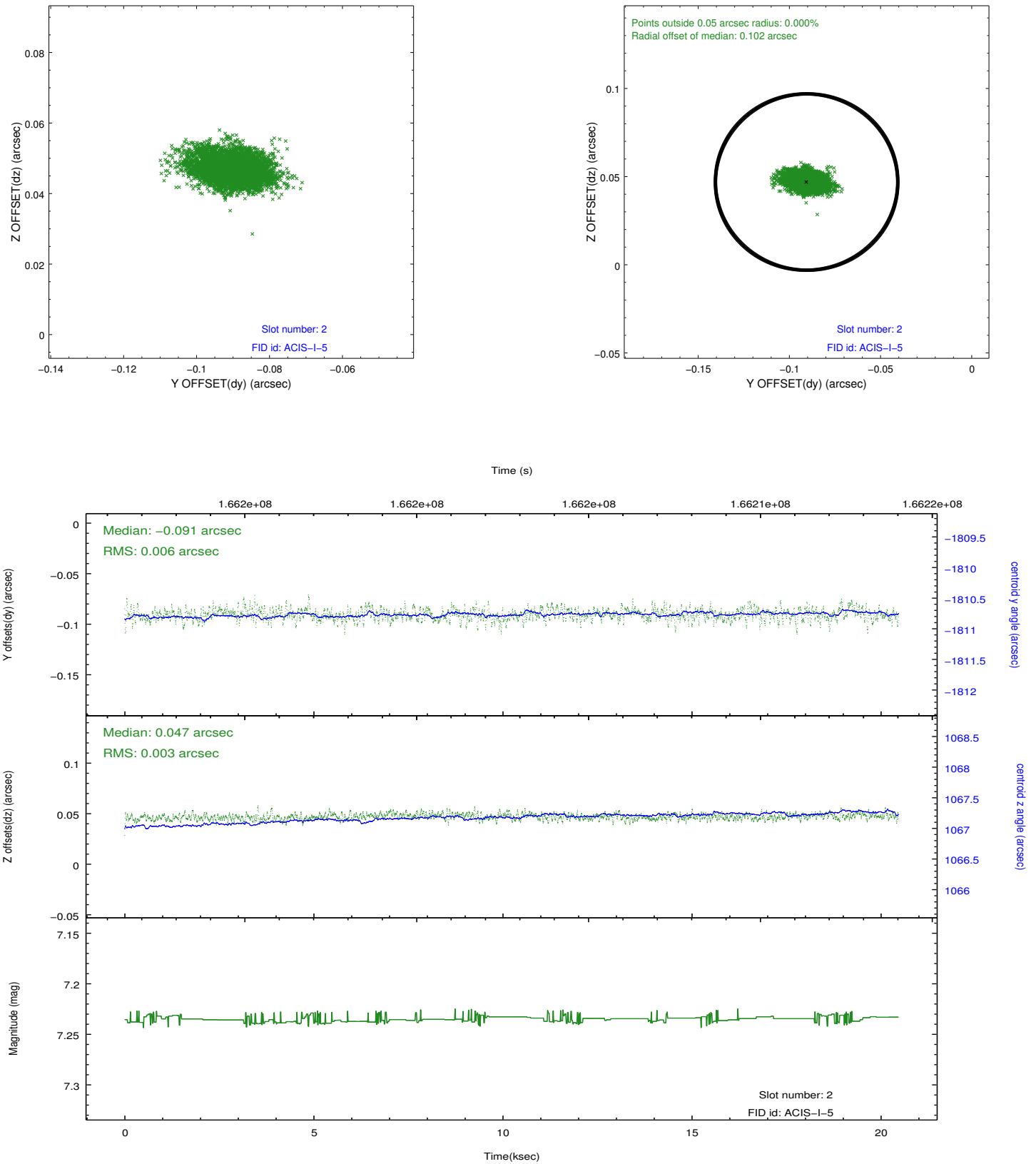
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.053

A.2 Comments