

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1990 - L2 Version 3
Chandra X-Ray Center

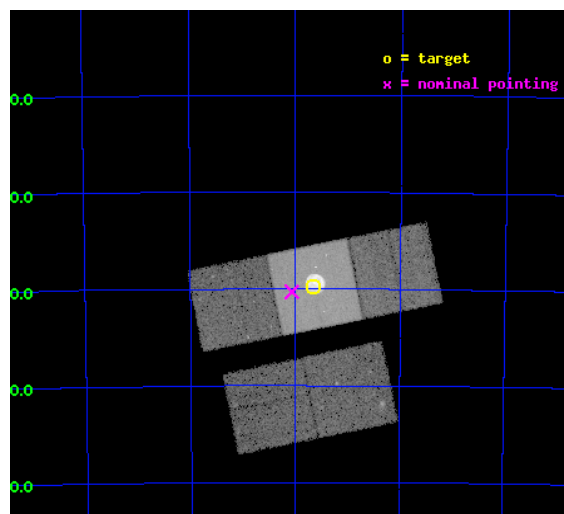
L2 Processing Date : Sep 29 2012

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1 Front

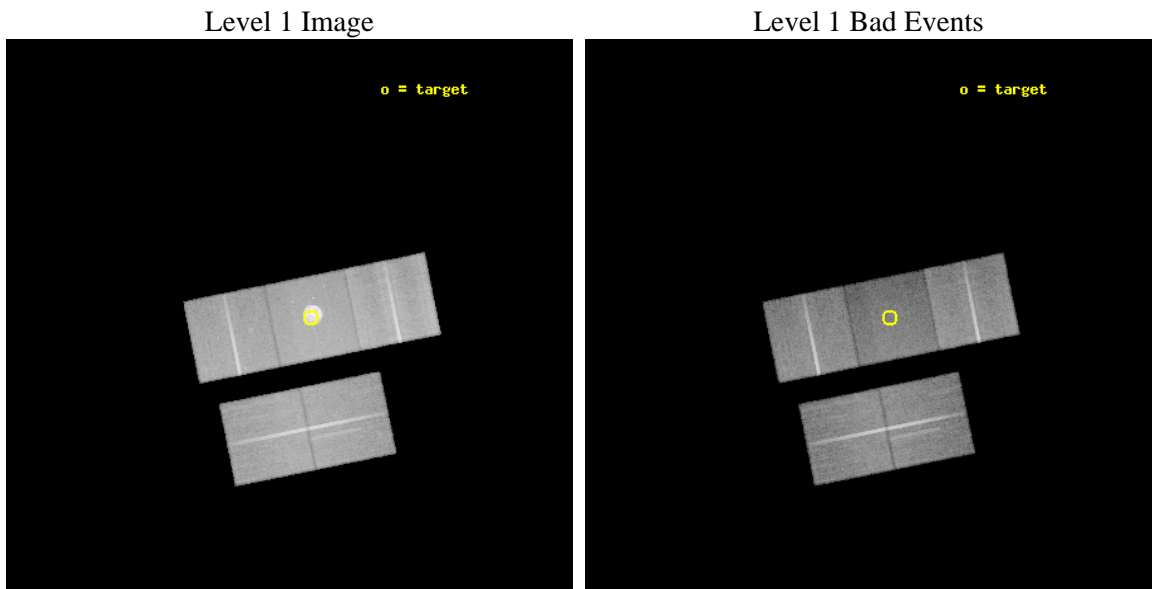
seq_num	500167	Sequence number
obs_id	1990	Observation id
title	MATURE SUPERNOVA REMNANTS IN THE LARGE MAGELLANIC CLOUD	Proposal t
observer	Dr. Kazimierz Borkowski	Principal investigator
object	0453-68.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.416667	Observer's specified target RA [deg]
dec_targ	-68.495833	Observer's specified target Dec [deg]
ra_nom	73.515731784399	Nominal RA [deg]
dec_nom	-68.505033302841	Nominal Dec [deg]
roll_nom	348.58602449134	Nominal Roll [deg]
revision	3	Processing version of data
ontime	39152.999924719	Sum of GTIs [s]
lifetime	38641.437156684	Lifetime [s]
ontime2	39143.577024072	Sum of GTIs [s]
ontime3	39149.858964458	Sum of GTIs [s]
ontime6	39146.717994228	Sum of GTIs [s]
ontime7	39152.999924719	Sum of GTIs [s]
ontime8	39143.576984152	Sum of GTIs [s]
l2events	251433	Number of level 2 events



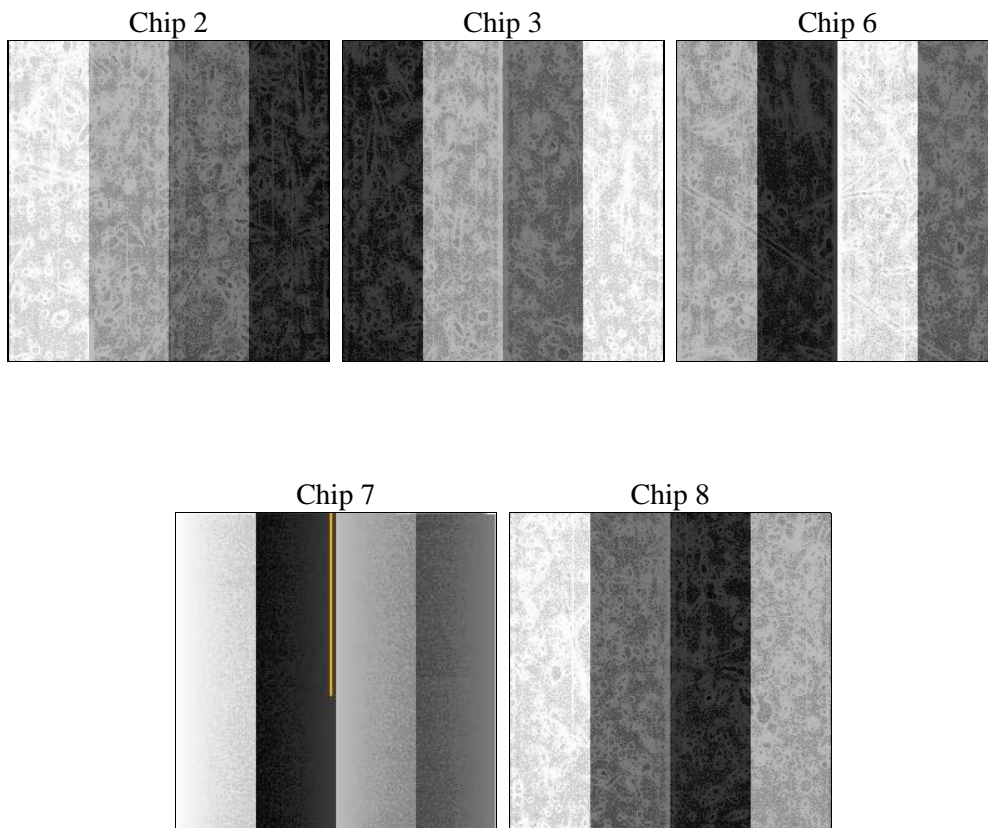
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	39000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39152.999924719	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	39143.577024072	Sum of GTIs [s]
date	2012-09-29T03:31:05	Date and time of file creation	ontime3	39149.858964458	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	39146.717994228	Sum of GTIs [s]
			ontime7	39152.999924719	Sum of GTIs [s]
			ontime8	39143.576984152	Sum of GTIs [s]
			l1events	1234715	Number of level 1 events

2.1.4 Events

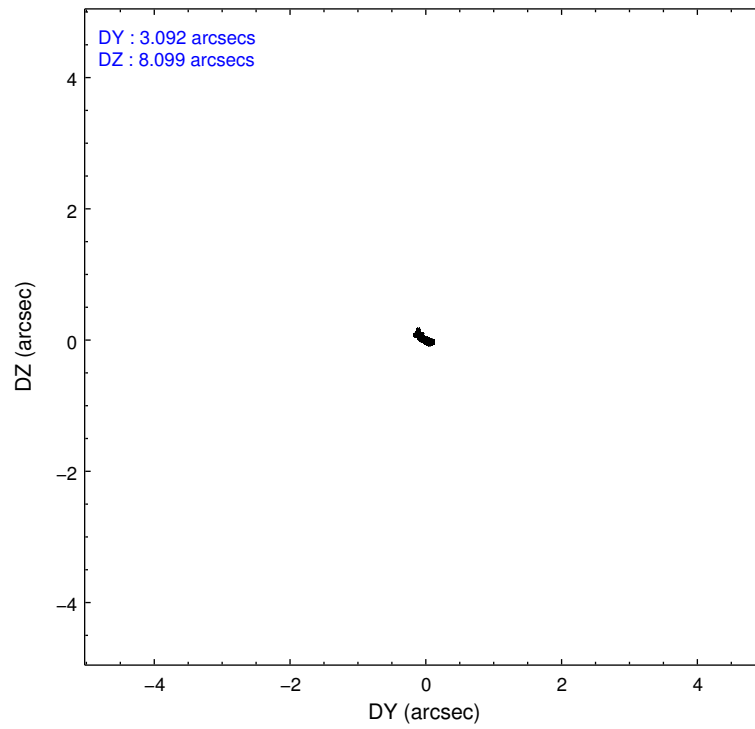
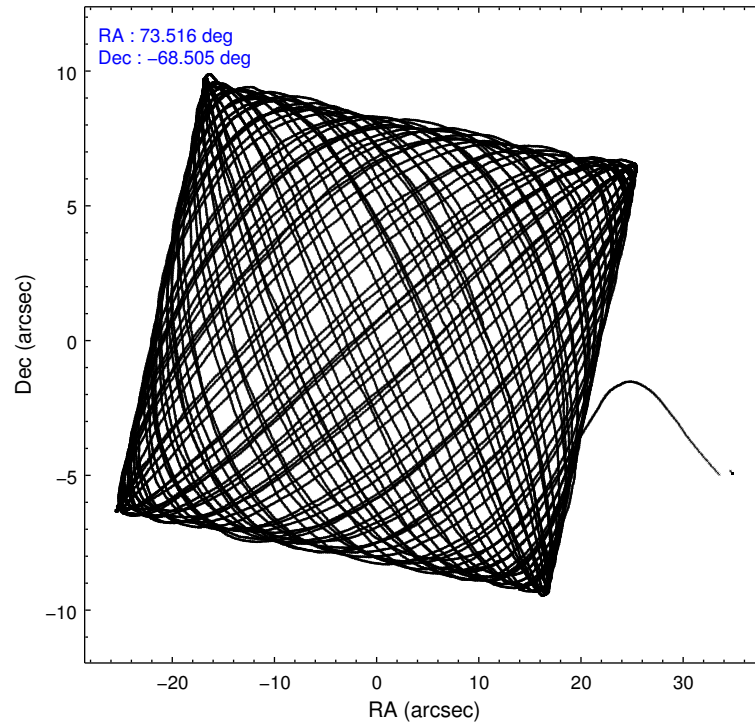
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	221940	211562	220005	303430	277778
rejected events	201346	191404	196987	124981	213077
rejected %	90%	90%	89%	41%	76%

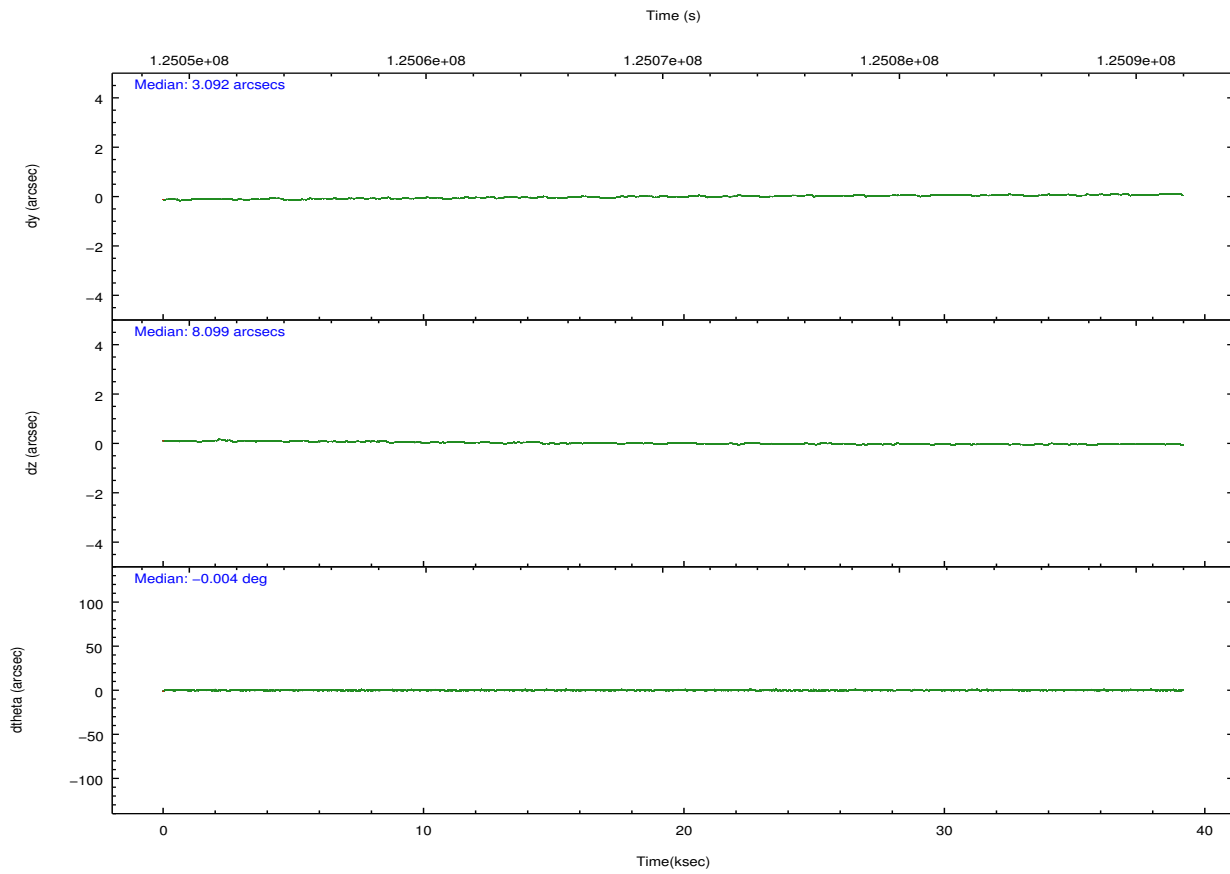
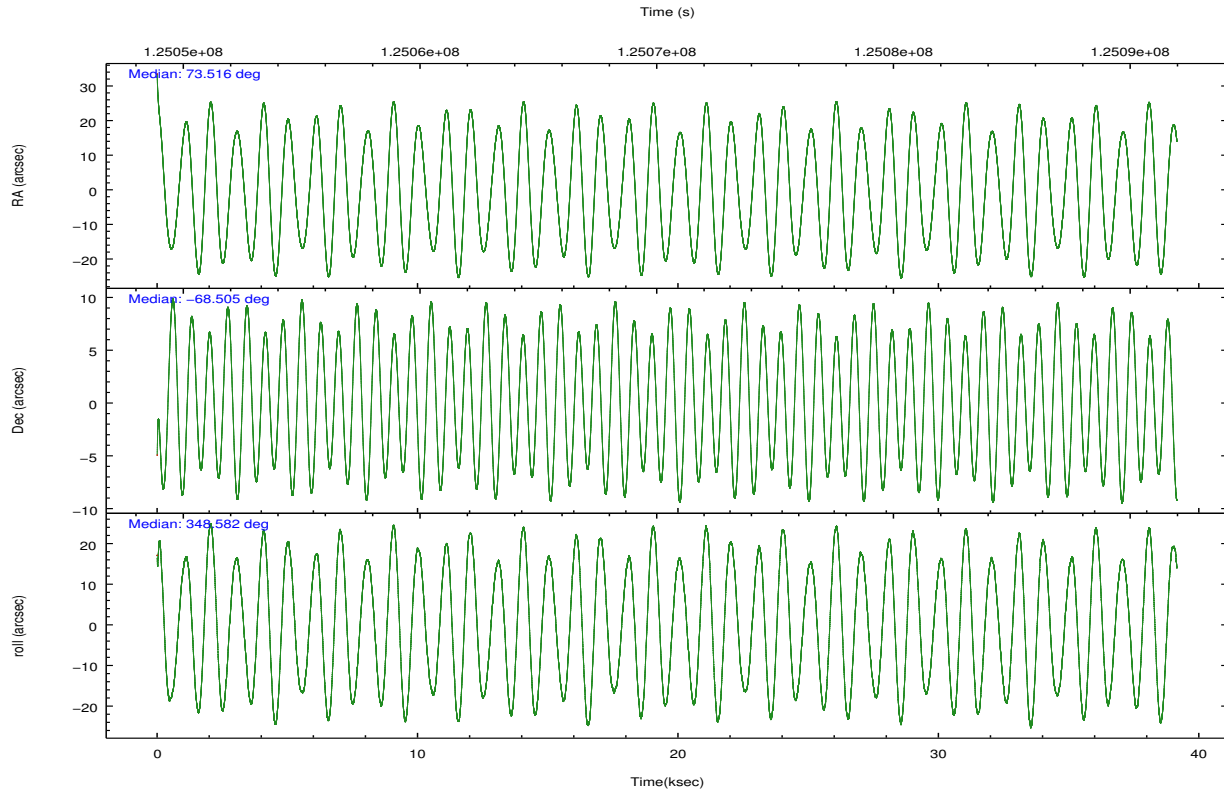
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	7663	7603	8969	38677	20769
	3%	3%	4%	12%	7%
grade 1 events	90	97	99	195	180
	0%	0%	0%	0%	0%
grade 2 events	4565	4233	4762	40574	13297
	2%	2%	2%	13%	4%
grade 3 events	2226	2267	2474	18493	7857
	1%	1%	1%	6%	2%
grade 4 events	2330	2197	2472	18511	7300
	1%	1%	1%	6%	2%
grade 5 events	6293	7515	7880	24583	11139
	2%	3%	3%	8%	4%
grade 6 events	3904	3940	4468	63040	15879
	1%	1%	2%	20%	5%
grade 7 events	194869	183710	188881	99357	201357
	87%	86%	85%	32%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	73.445462	73.51573178439907	Subarray requested	NONE	NONE
[deg] Pointing Dec	-68.514020	-68.50503330284053	Alternating exposures requested	N	N
[deg] Pointing Roll	348.364017	348.5860244913389	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	125051016.184000	125049933.22699			
Observation start date	2001-12-18T08:22:32	2001-12-18T08:05:33			
[s] Observation end time (MET)	125090016.184000	125090658.52863			
Observation end date	2001-12-18T19:12:32	2001-12-18T19:24:18			
Read mode	TIMED	TIMED			

2.3 Aspect



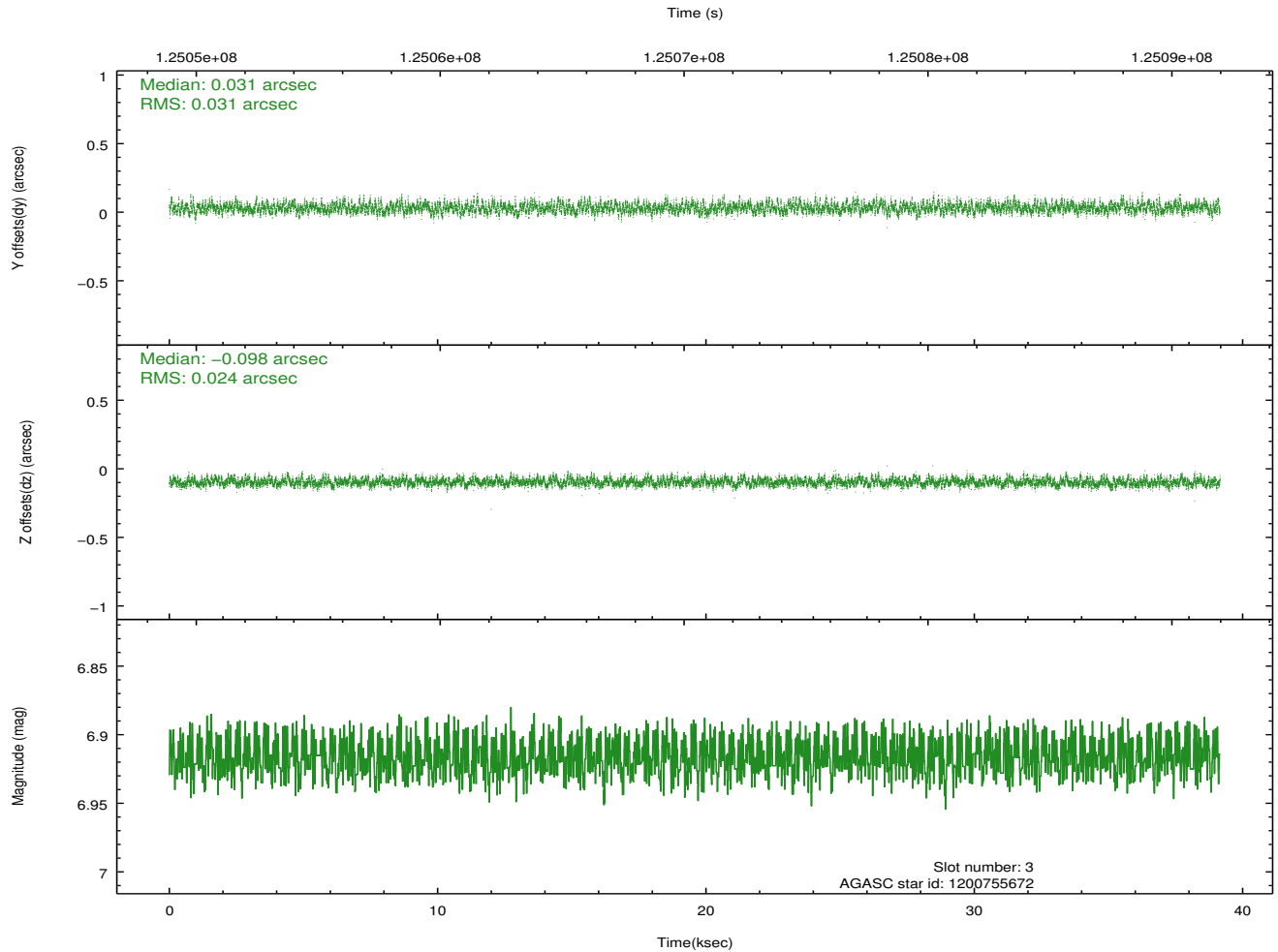
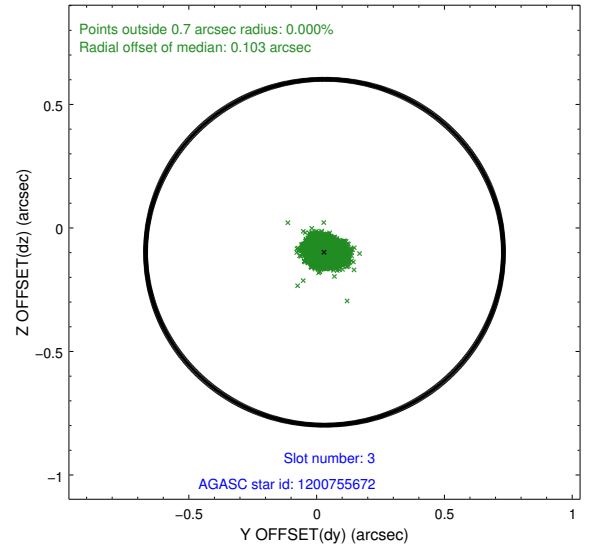
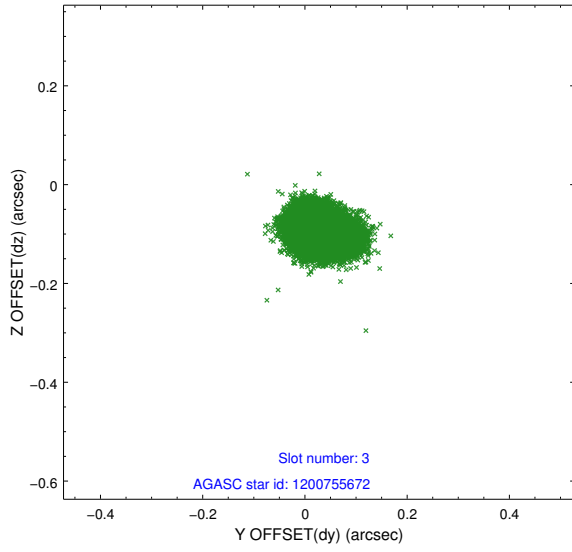


Slot Statistics

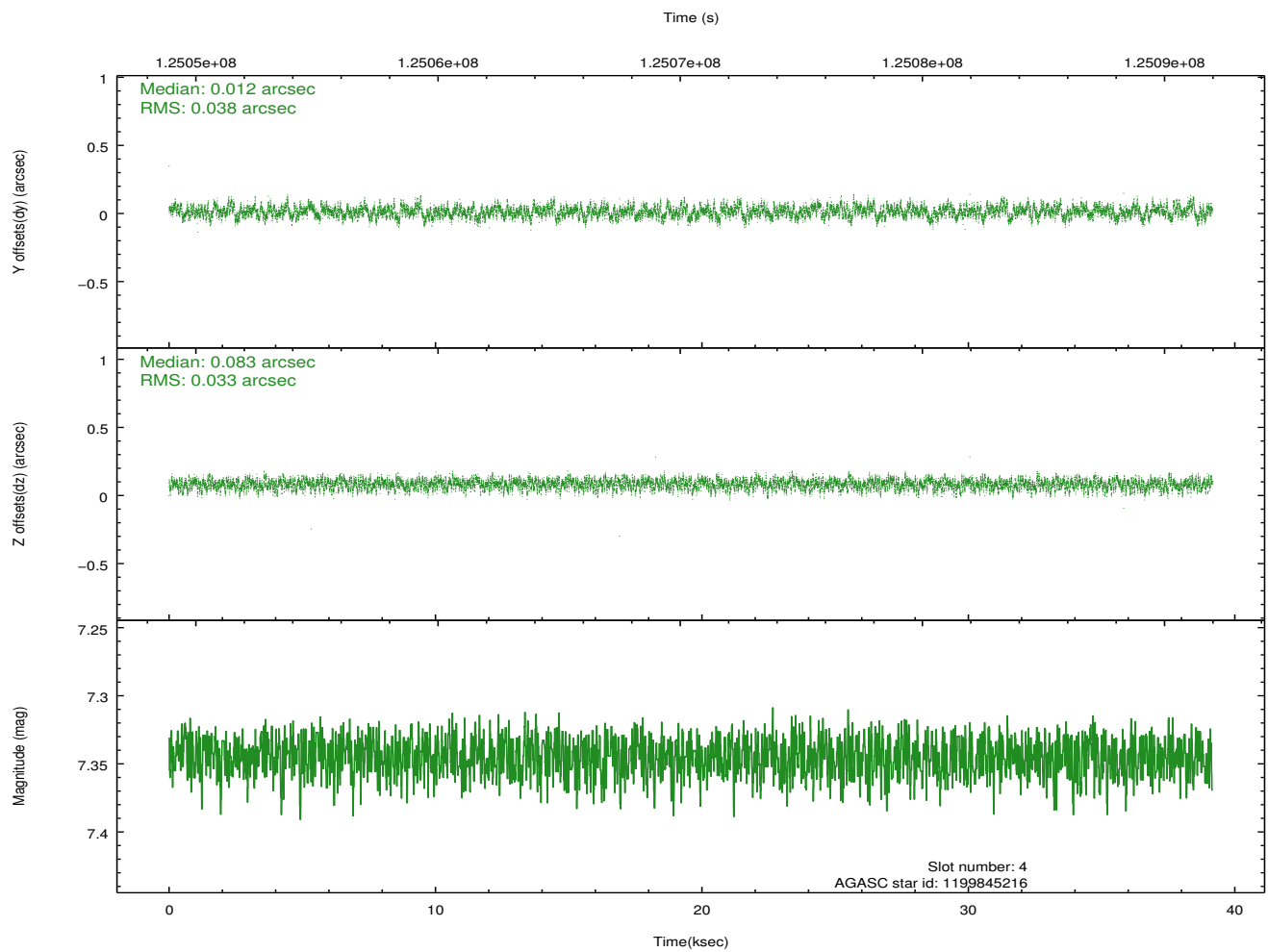
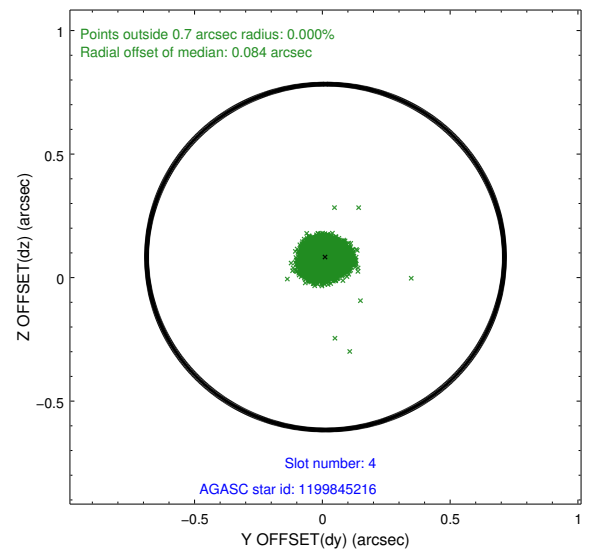
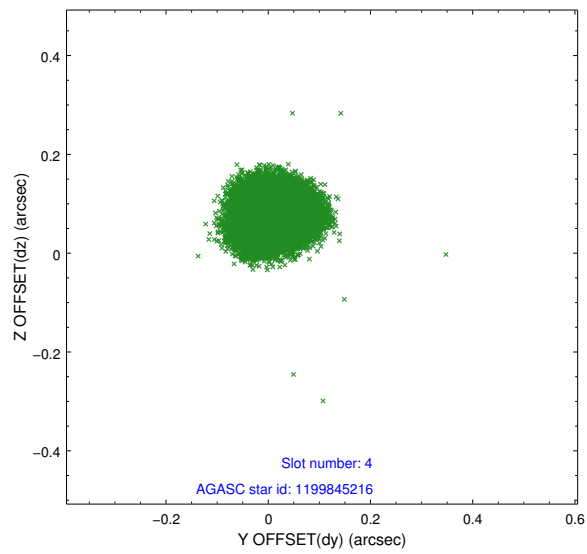
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9549	-0.005	-0.004	0.007	0.012	0.000000	0.000000	-755.74	-1729.31
1	FID	ACIS-S-4	7.20	9548	-0.034	0.003	0.006	0.011	0.000000	0.000000	2157.51	179.14
2	FID	ACIS-S-5	7.24	9548	0.008	0.010	0.008	0.013	0.000000	0.000000	-1808.53	172.87
3	GUIDE	1200755672	6.92	19100	0.031	-0.098	0.042	0.067	72.836556	-68.069645	-1124.29	1397.18
4	GUIDE	1199845216	7.34	19099	0.012	0.083	0.054	0.085	71.656273	-68.546034	-2277.36	-622.01
5	GUIDE	1200758840	6.99	19099	-0.076	-0.052	0.044	0.072	75.386593	-68.028714	2215.69	2197.78
6	GUIDE	1200759376	8.97	19093	-0.040	0.041	0.064	0.103	74.427278	-69.001357	1596.29	-1473.05
7	GUIDE	1199839616	9.24	19088	0.072	0.022	0.066	0.107	71.616630	-68.741932	-2165.14	-1320.51

2.4 Star Slots

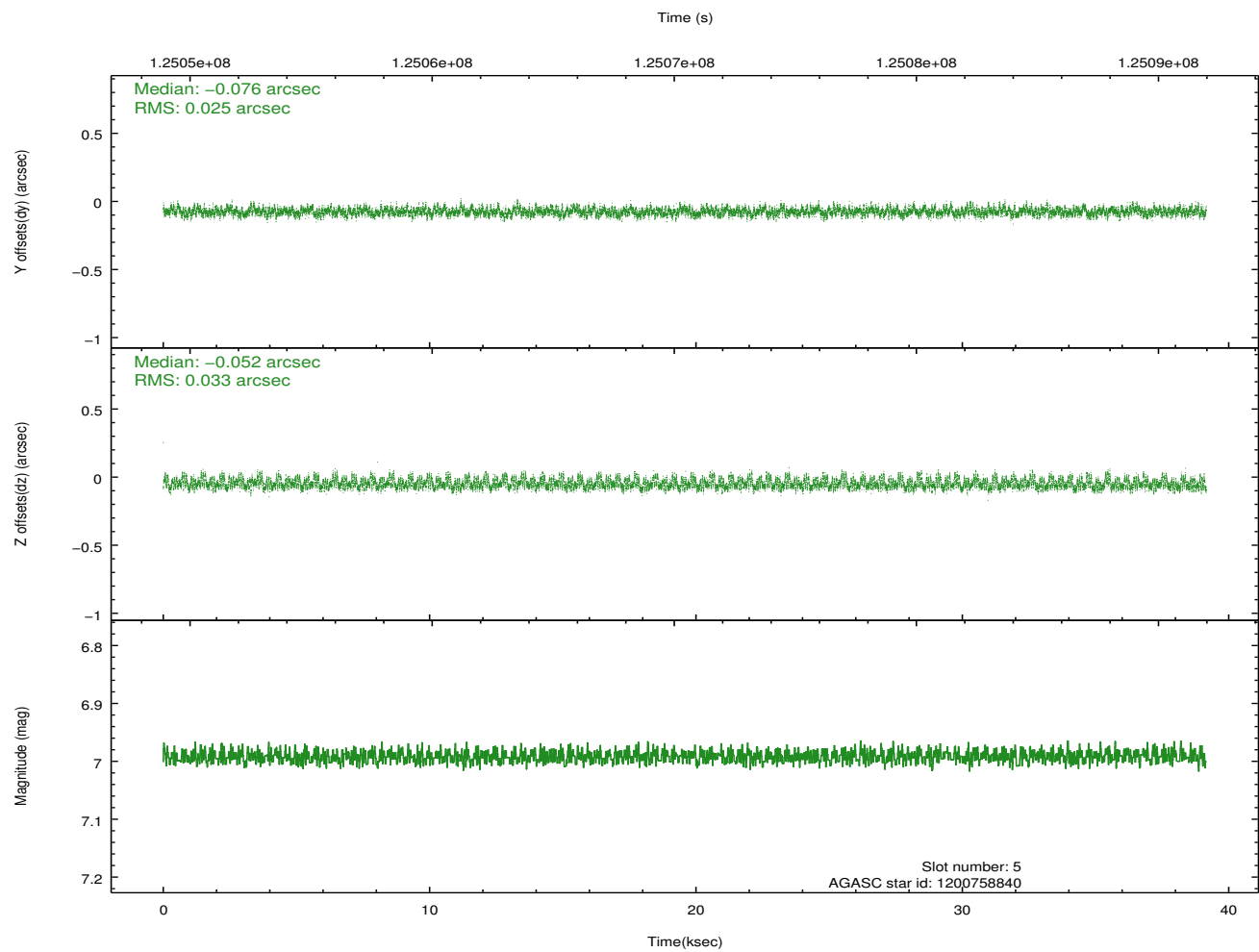
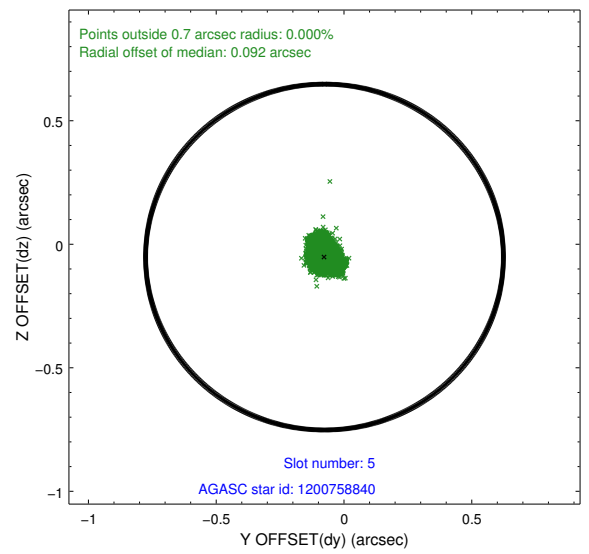
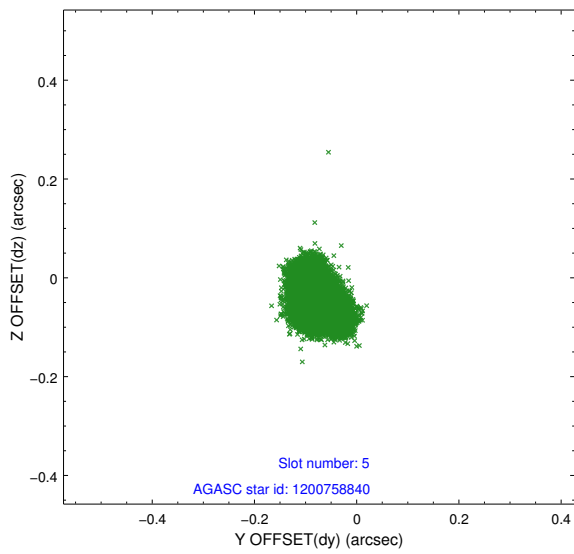
2.4.1 Slot 3



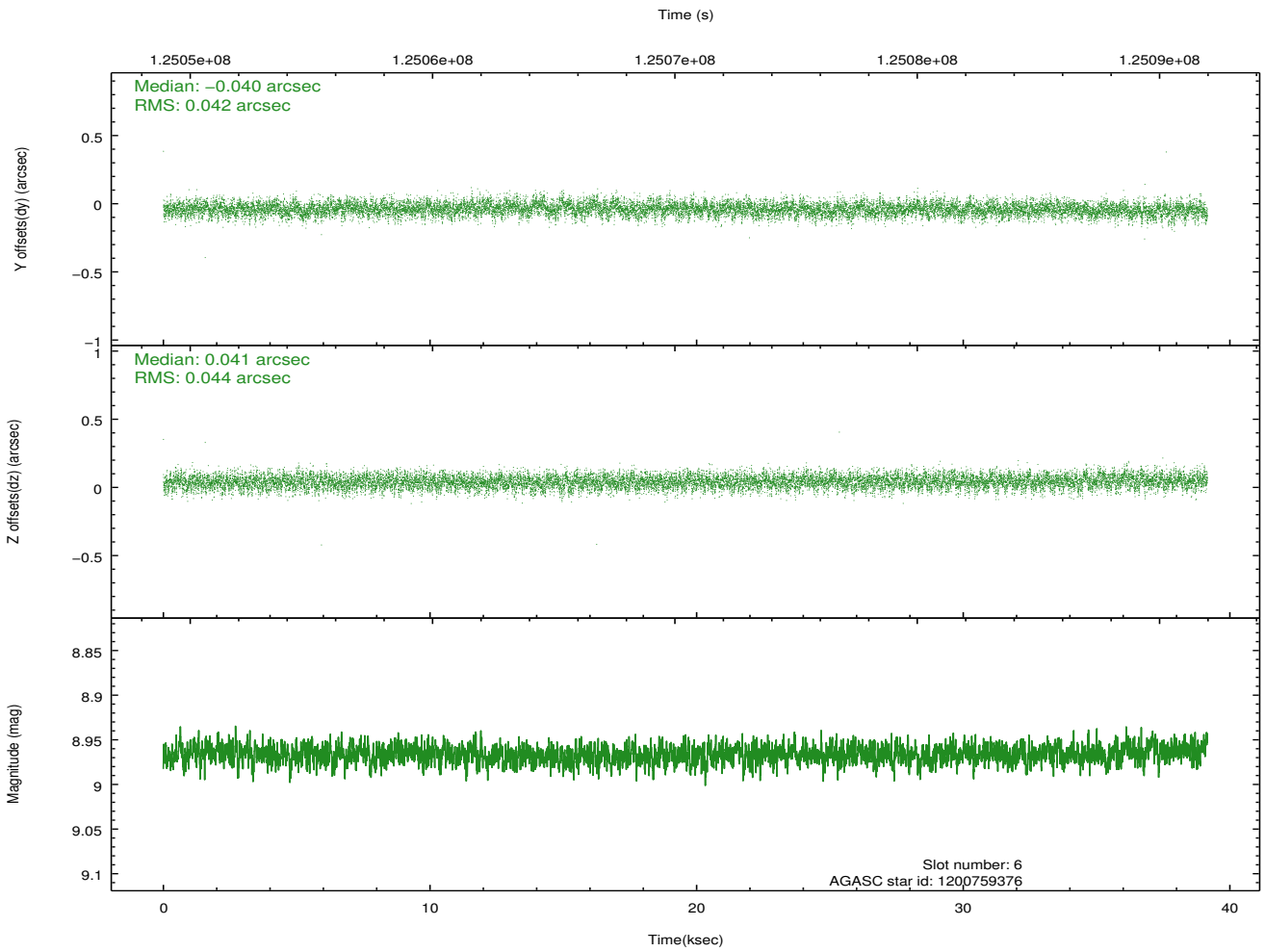
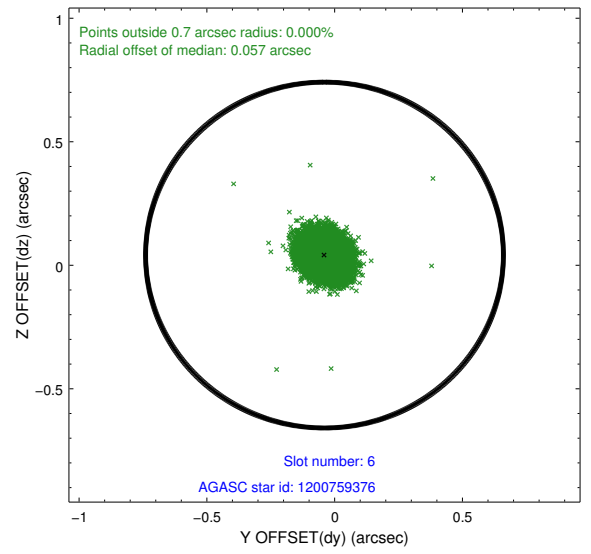
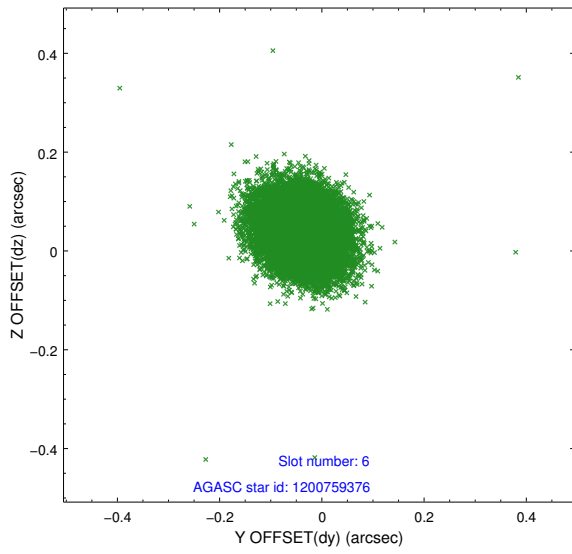
2.4.2 Slot 4



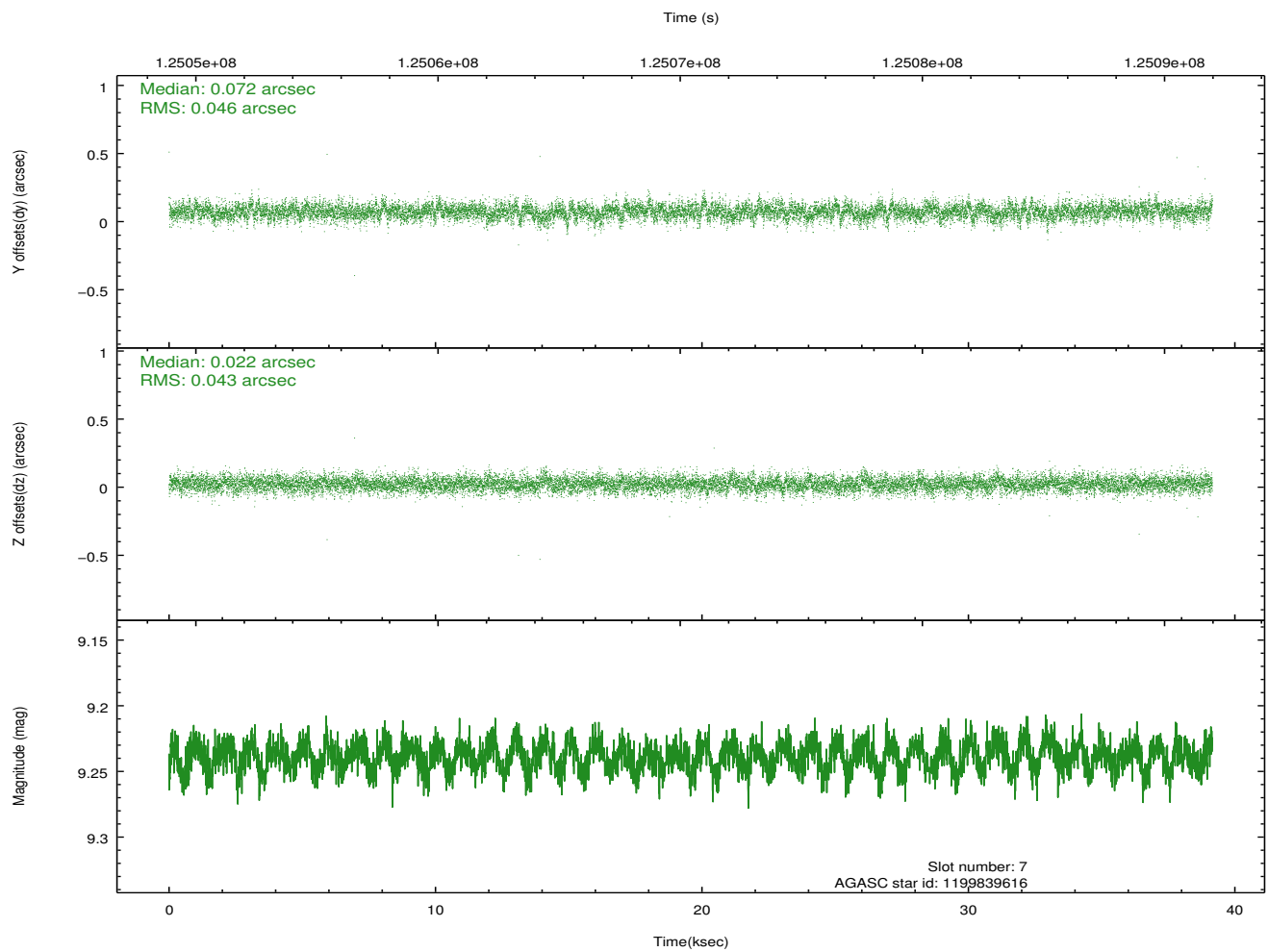
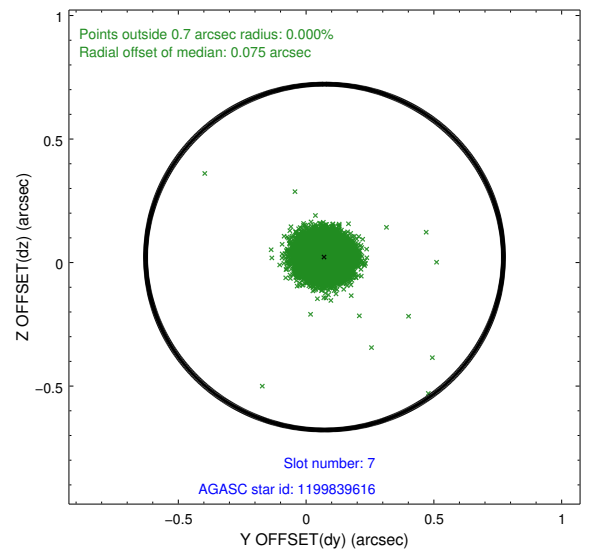
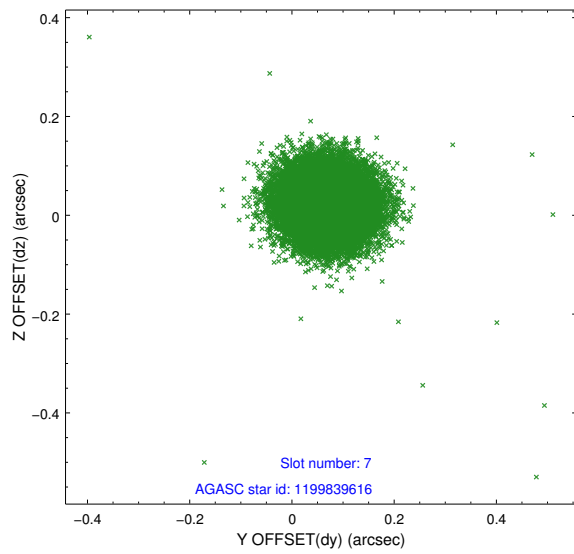
2.4.3 Slot 5



2.4.4 Slot 6

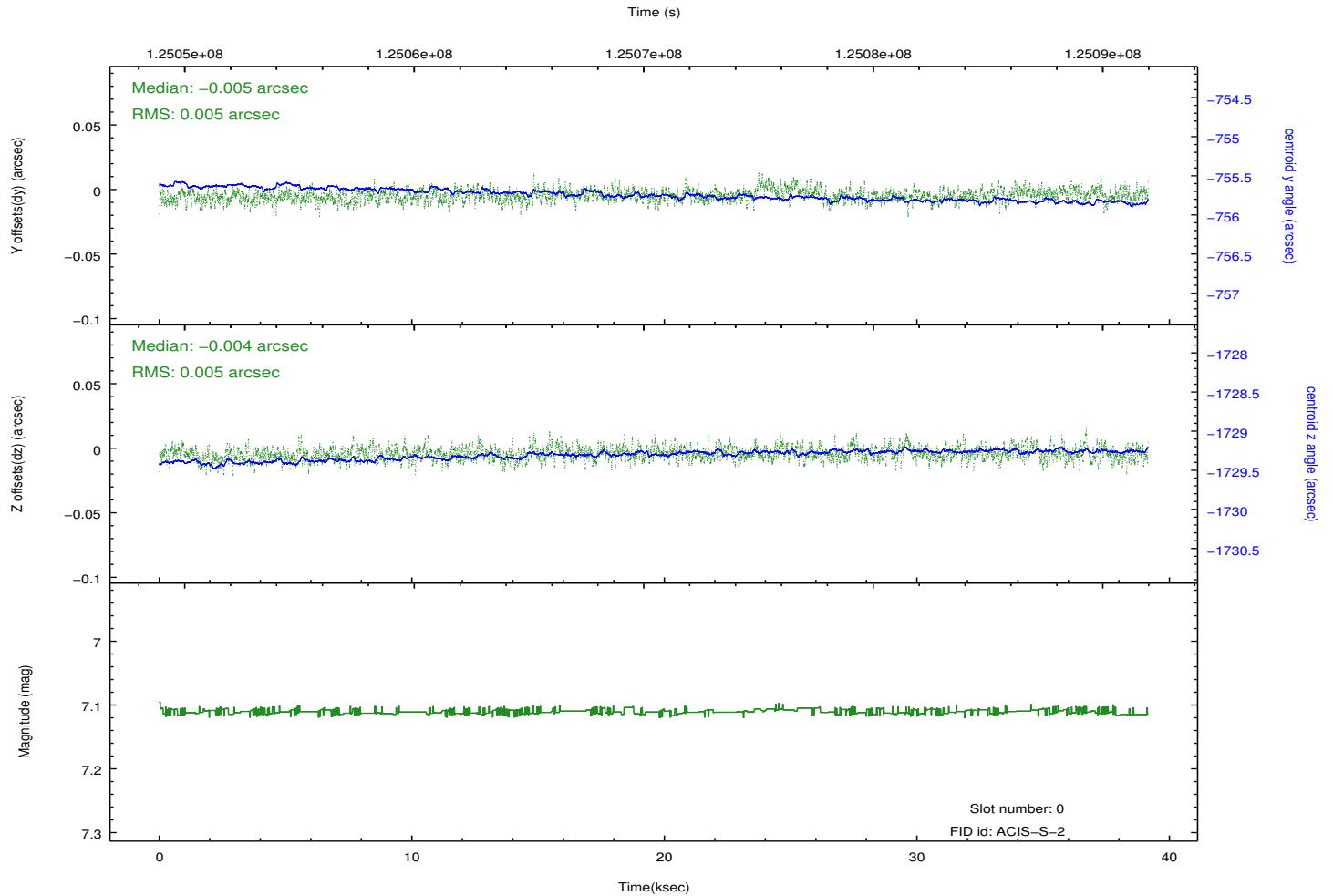
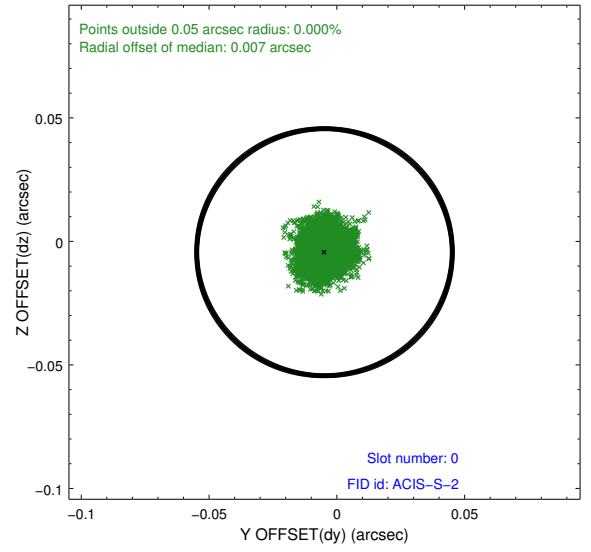
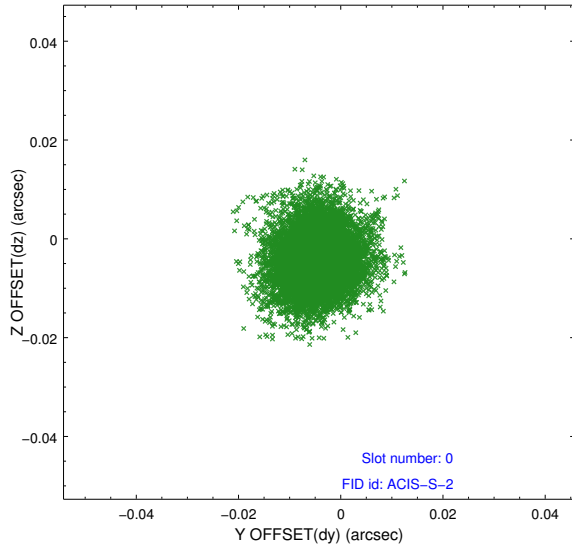


2.4.5 Slot 7

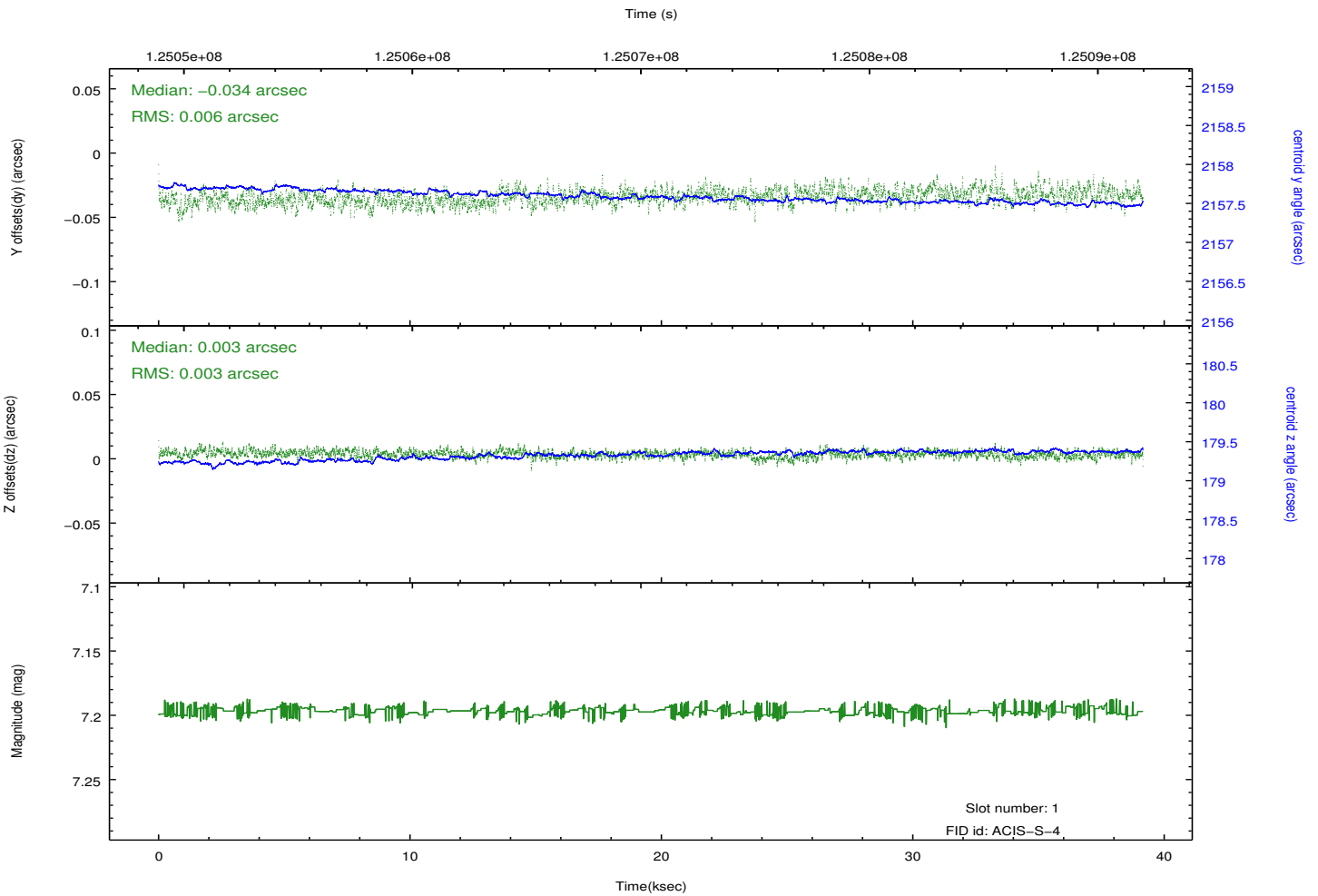
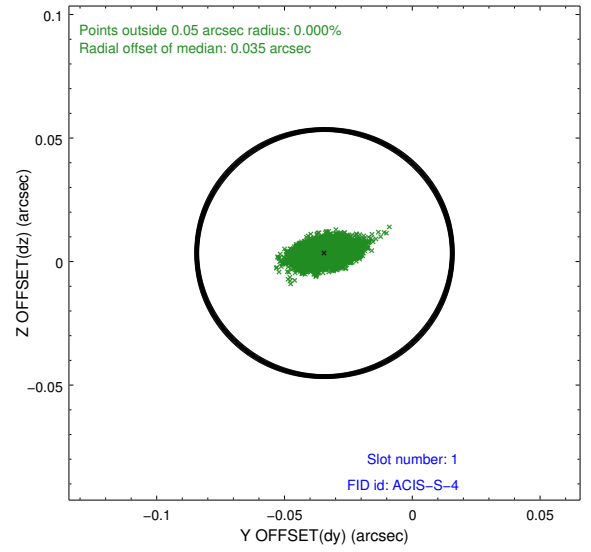
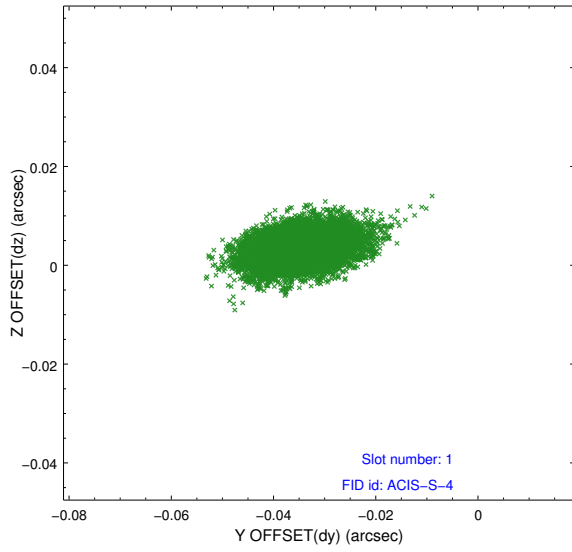


2.5 FID Slots

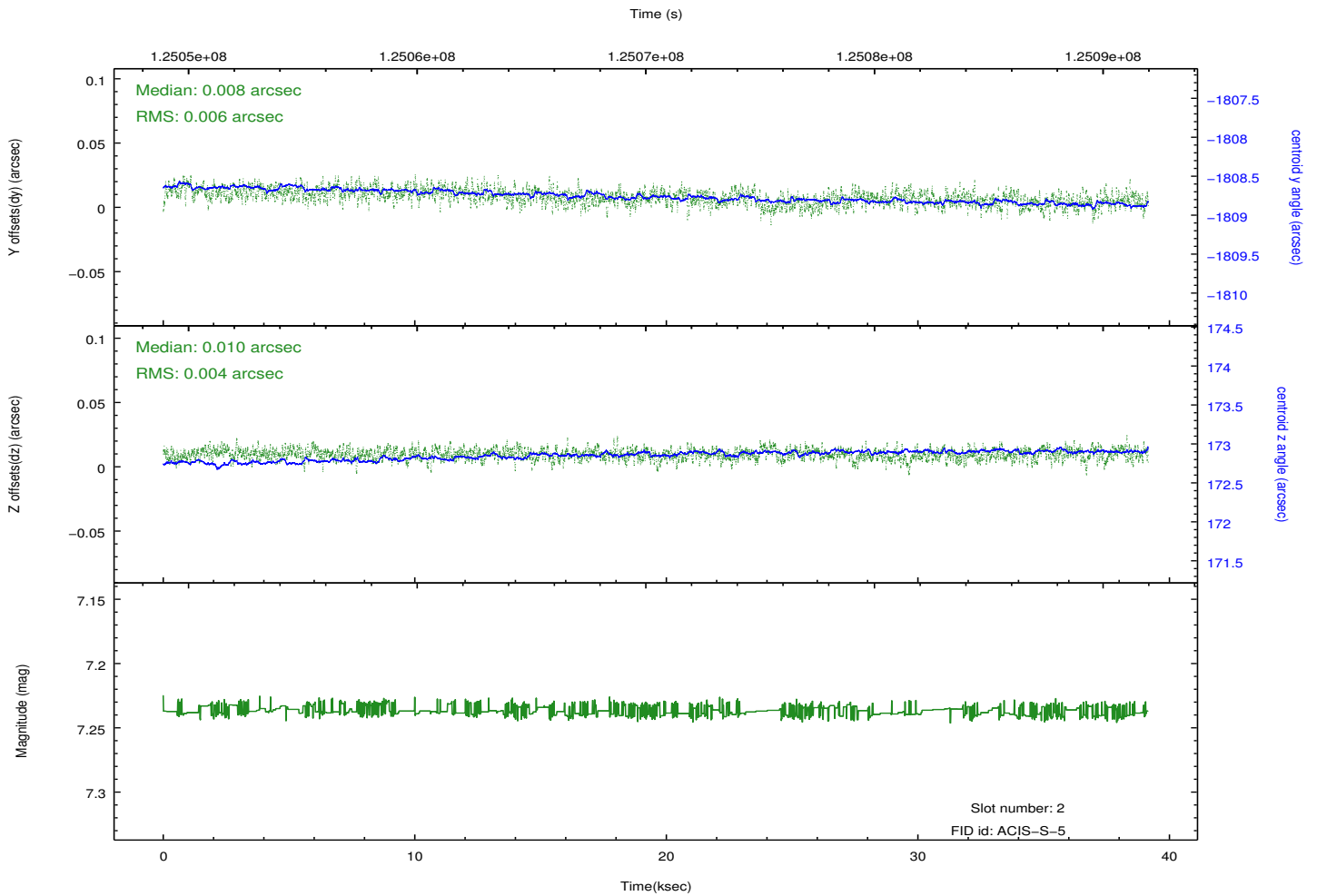
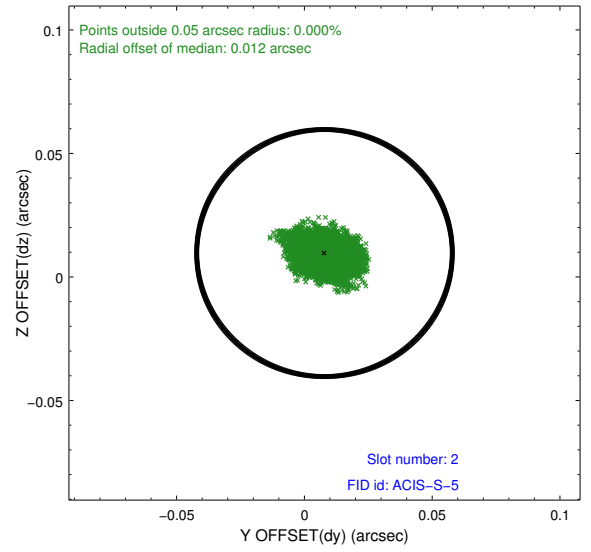
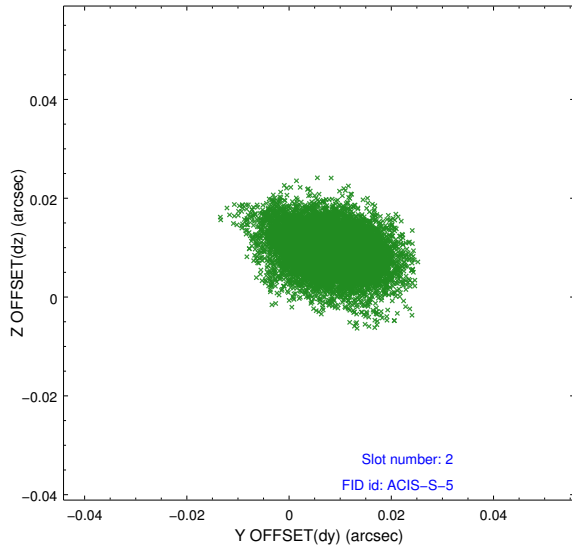
2.5.1 Slot 0



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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.153

A.2 Comments