

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17672 - L2 Version 1
Chandra X-Ray Center

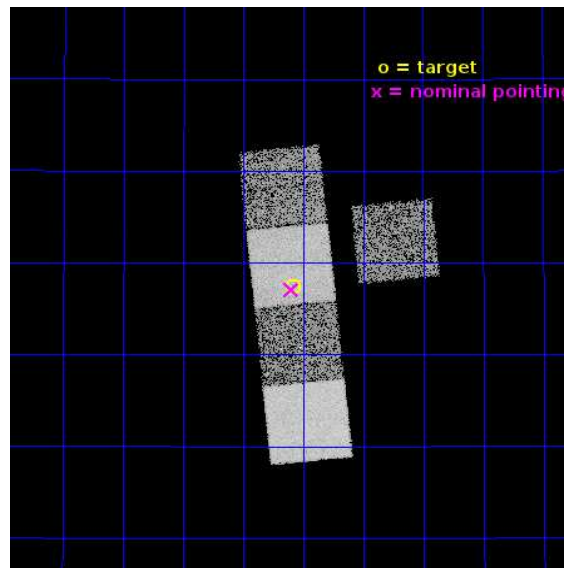
L2 Processing Date : Jun 8 2015

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1 Front

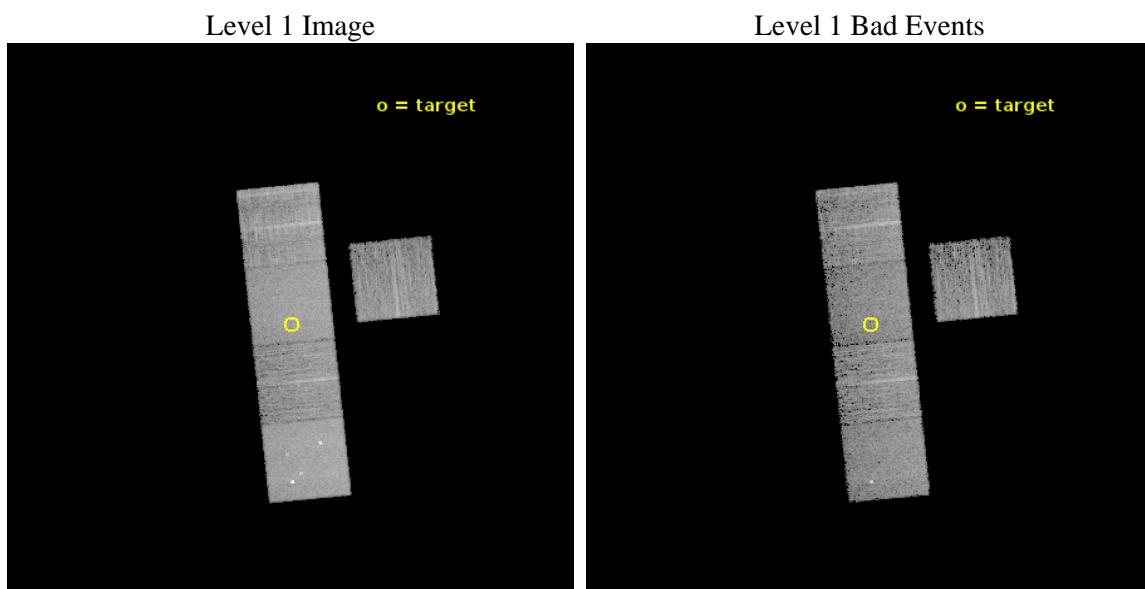
seq_num	502492	Sequence number
obs_id	17672	Observation id
title	Mapping the evolution of SNhunt275 to shed light onto the last evolutionary stages of Massive Stars	Proposal title
observer	Dr Raffaella Margutti	Principal investigator
object	SNhunt275	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.39625	Observer's specified target RA [deg]
dec_targ	33.122583	Observer's specified target Dec [deg]
ra_nom	137.39981529835	Nominal RA [deg]
dec_nom	33.117978411491	Nominal Dec [deg]
roll_nom	264.16713565055	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10046.760328054	Sum of GTIs [s]
livetime	9915.492008051	Livetime [s]
ontime3	10046.637208104	Sum of GTIs [s]
ontime5	10046.719288111	Sum of GTIs [s]
ontime6	10046.678248048	Sum of GTIs [s]
ontime7	10046.760328054	Sum of GTIs [s]
ontime8	10046.596168041	Sum of GTIs [s]
l2events	85037	Number of level 2 events



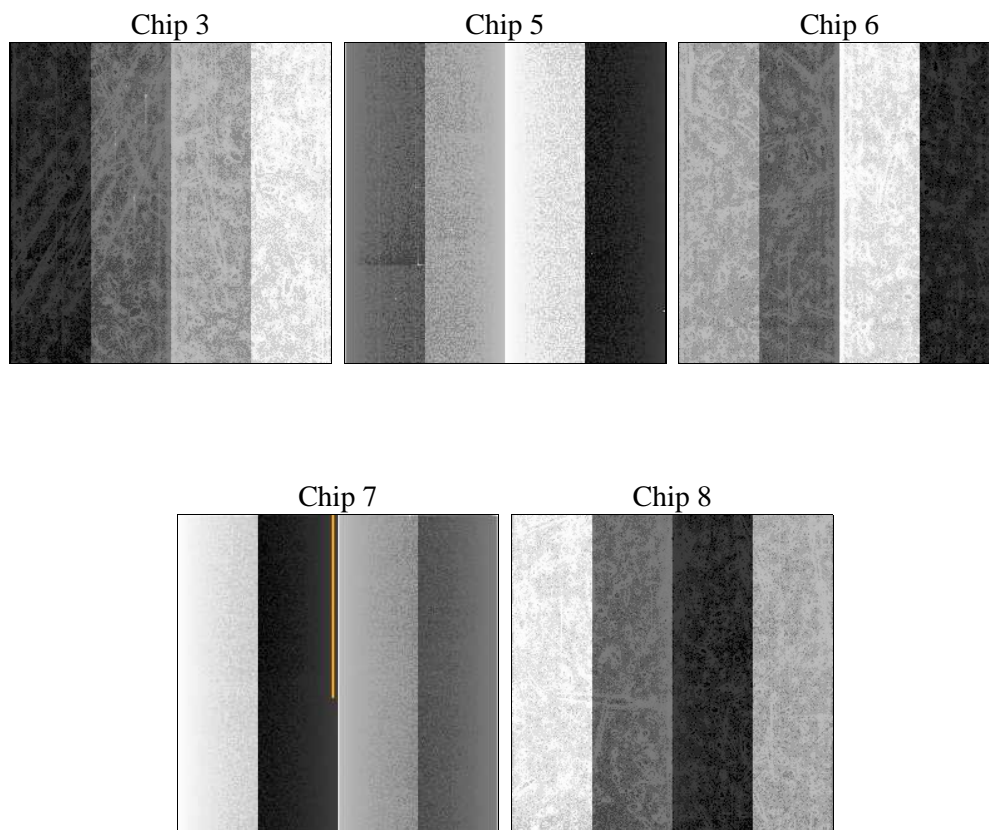
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	10046.760328054	Sum of GTIs [s]
caldbver	4.6.7	 	ontime3	10046.637208104	Sum of GTIs [s]
date	2015-06-08T14:18:34	Date and time of file creation	ontime5	10046.719288111	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10046.678248048	Sum of GTIs [s]
			ontime7	10046.760328054	Sum of GTIs [s]
			ontime8	10046.596168041	Sum of GTIs [s]
			l1events	328093	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	48826	87466	54323	69513	67965
rejected events	43095	44686	47953	39299	49650
rejected %	88%	51%	88%	56%	73%

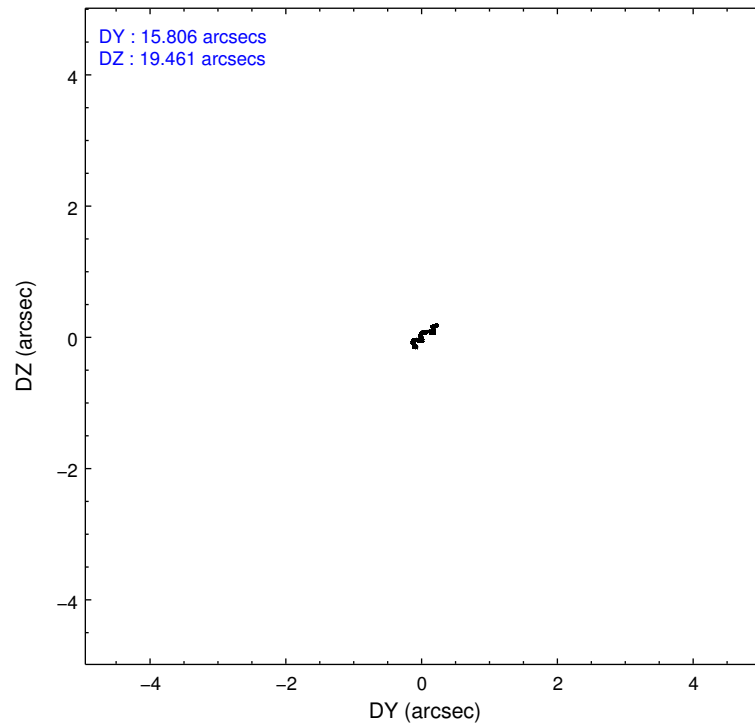
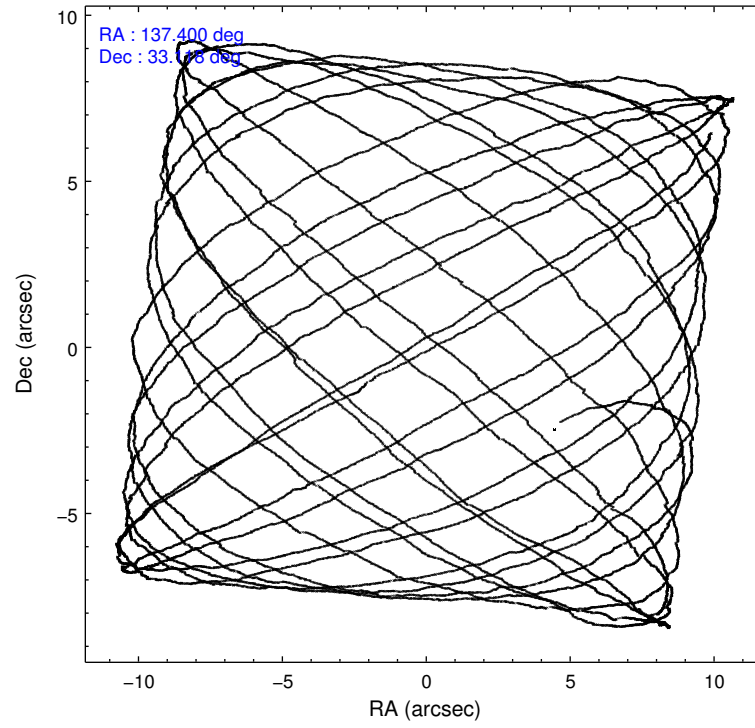
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2104	4333	2253	2578	5413
	4%	4%	4%	3%	7%
grade 1 events	33	156	29	91	62
	0%	0%	0%	0%	0%
grade 2 events	1270	13717	1424	6177	4439
	2%	15%	2%	8%	6%
grade 3 events	592	1414	660	2499	1787
	1%	1%	1%	3%	2%
grade 4 events	572	1347	627	2489	1721
	1%	1%	1%	3%	2%
grade 5 events	2693	6460	2627	7086	3922
	5%	7%	4%	10%	5%
grade 6 events	1194	21985	1408	16482	4959
	2%	25%	2%	23%	7%
grade 7 events	40368	38054	45295	32111	45662
	82%	43%	83%	46%	67%

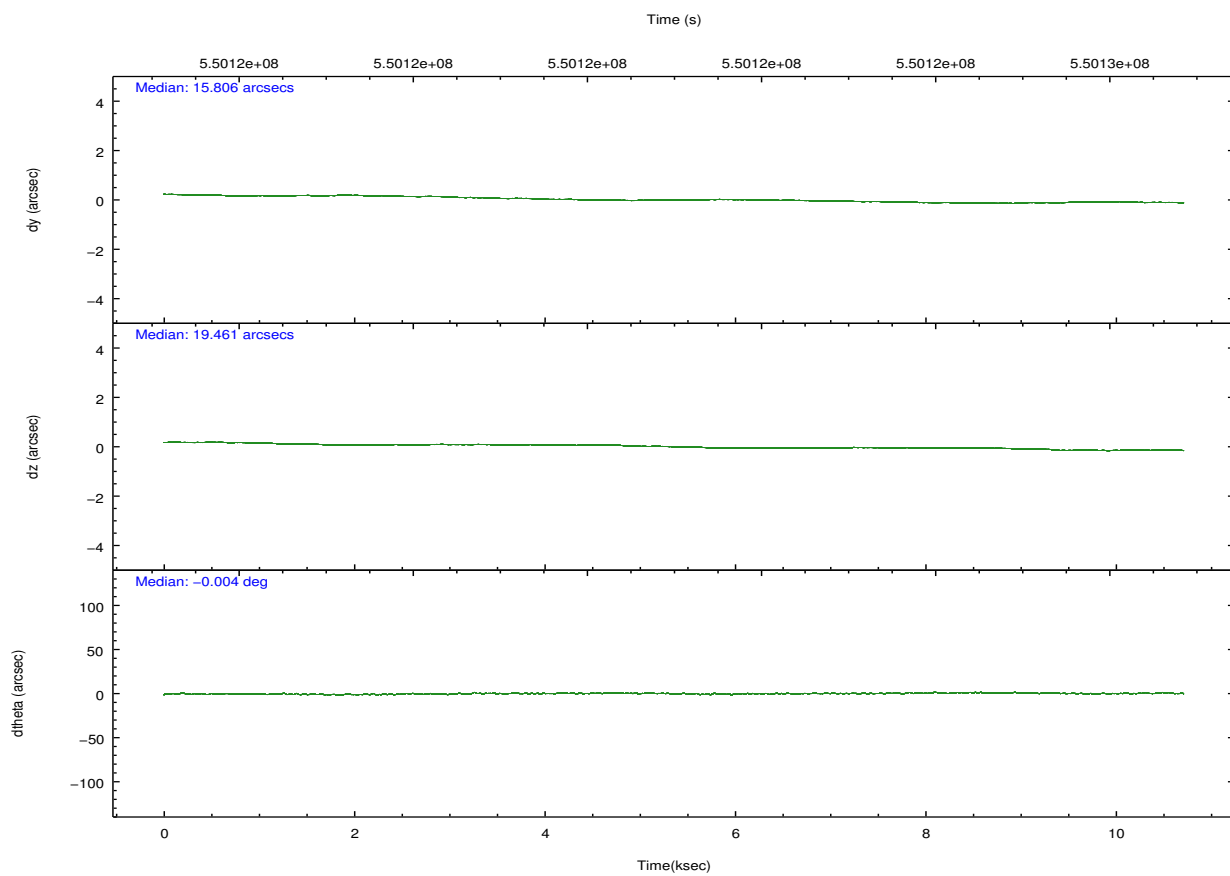
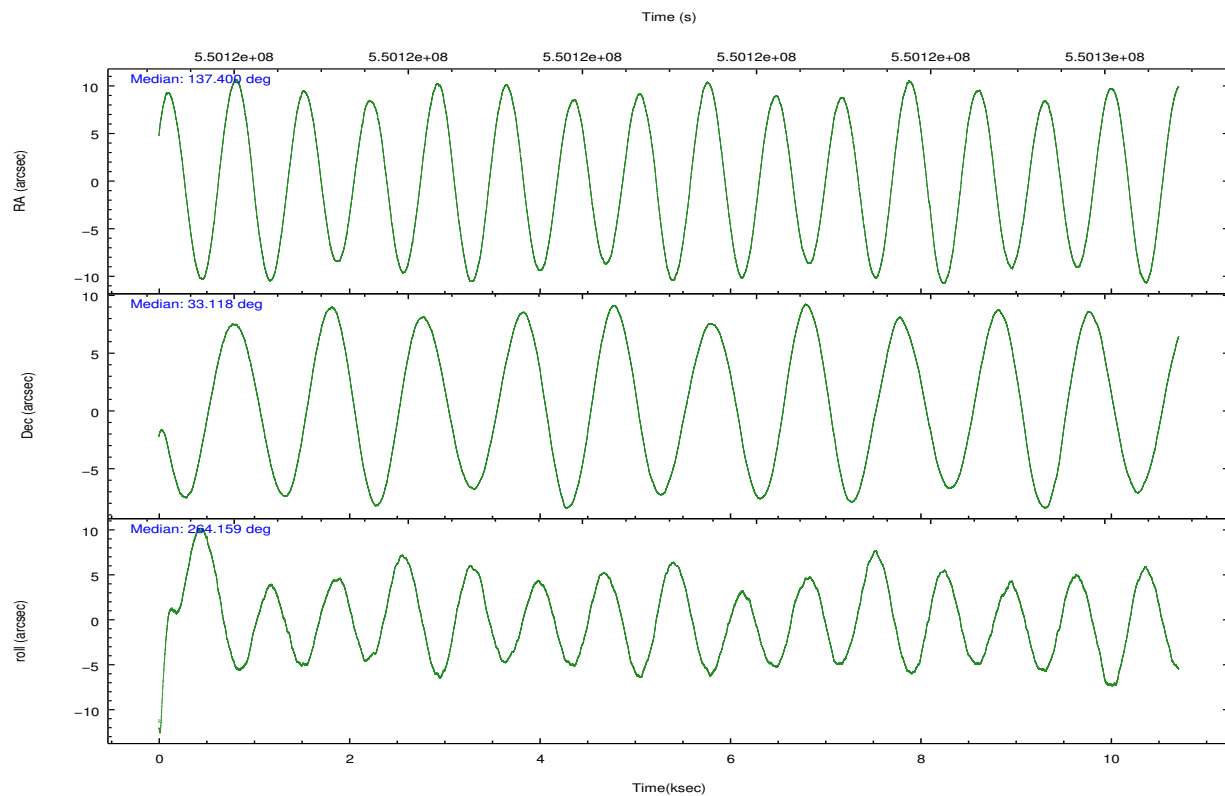
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-35678	ACIS-35678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	137.385991	137.399815298353
[deg] Pointing Dec	33.142924	33.11797841149082
[deg] Pointing Roll	264.018088	264.1671356505516
[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)	550116355.184000	550115151.0663
Observation start date	2015-06-08T02:04:48	2015-06-08T01:45:51
[s] Observation end time (MET)	550126355.184000	550127474.1295
Observation end date	2015-06-08T04:51:28	2015-06-08T05:11:14
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	N	N
CCD I3 on	O1	Y
CCD S0 on	N	N
CCD S1 on	Y	Y
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



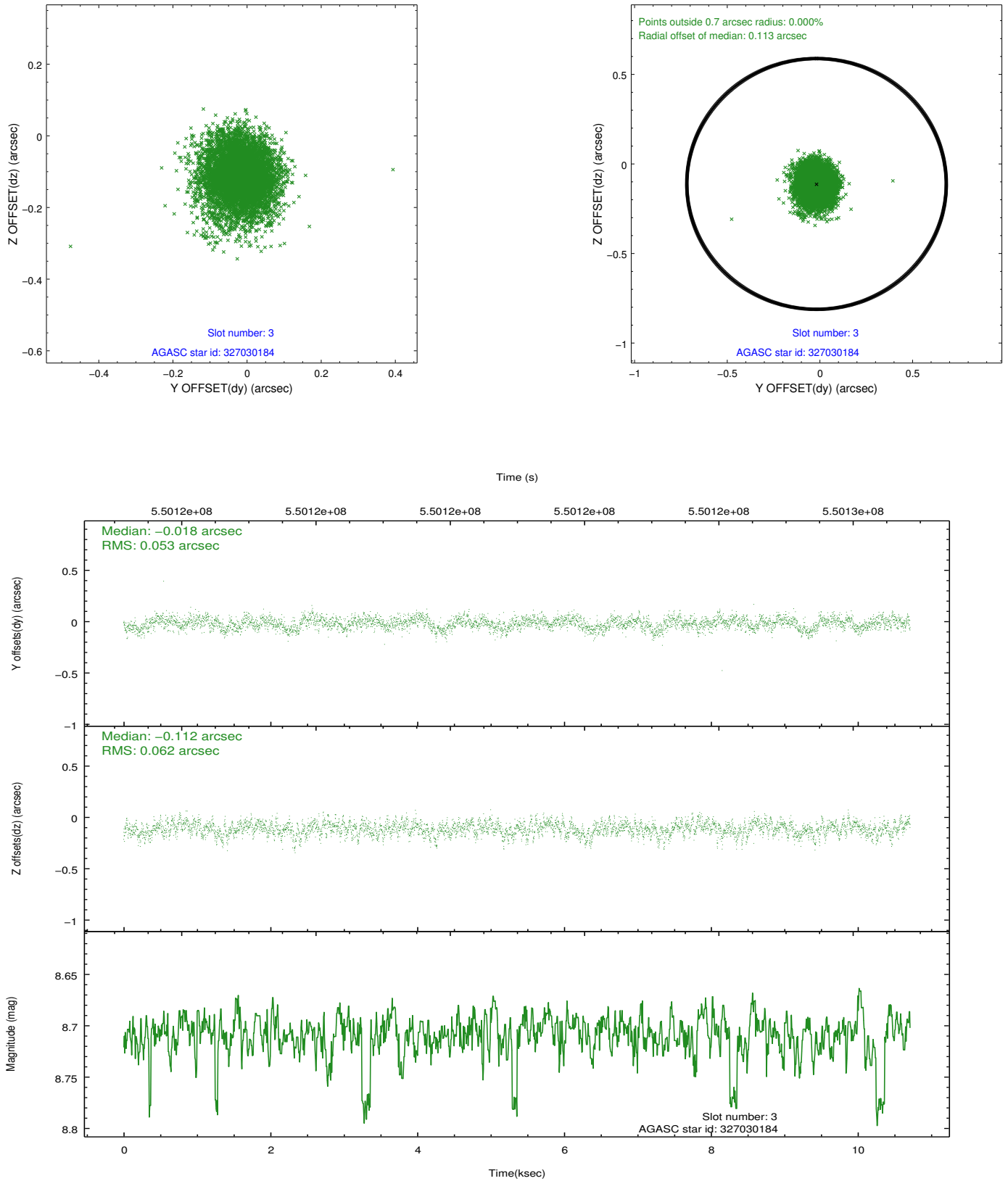


Slot Statistics

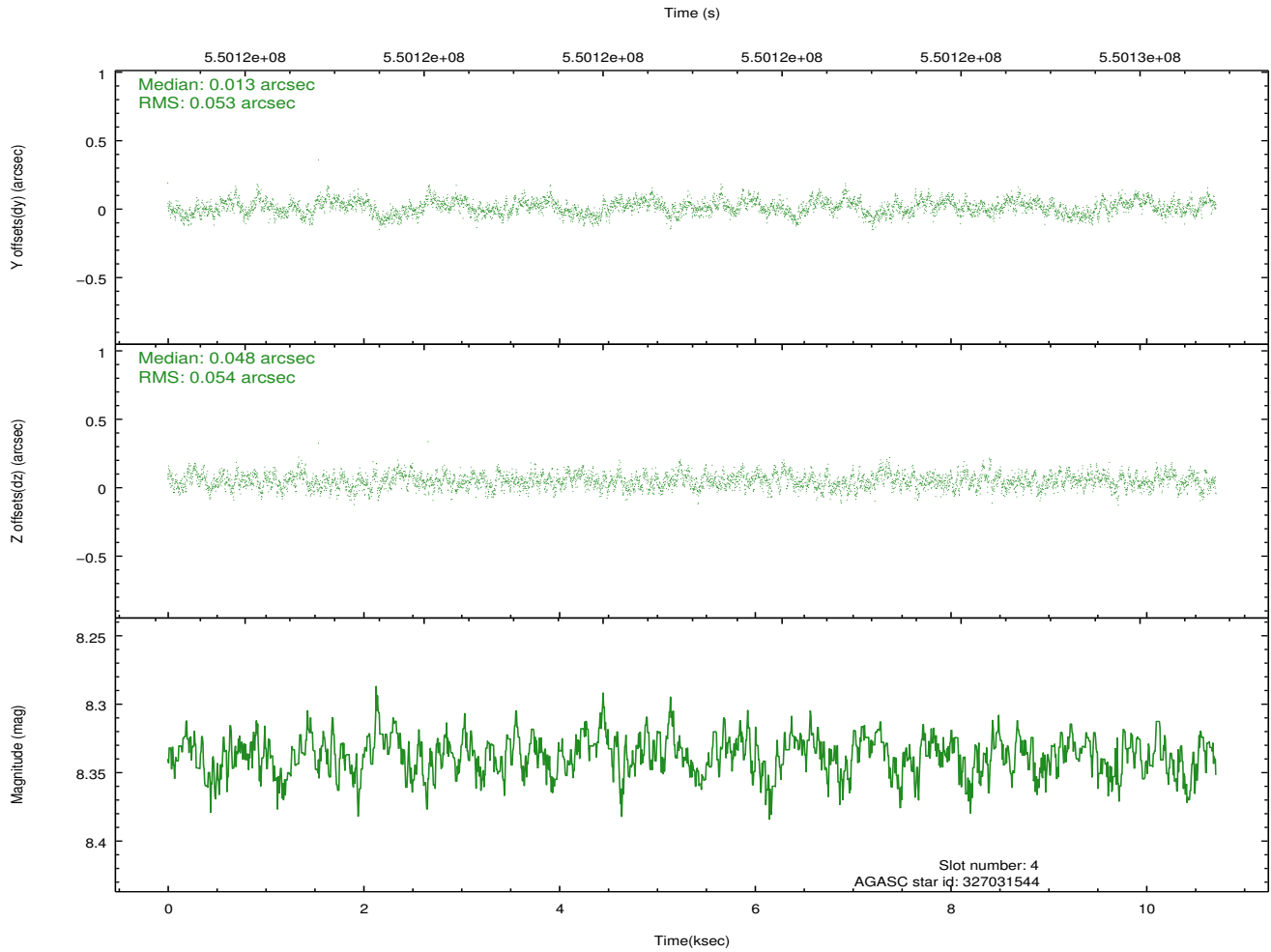
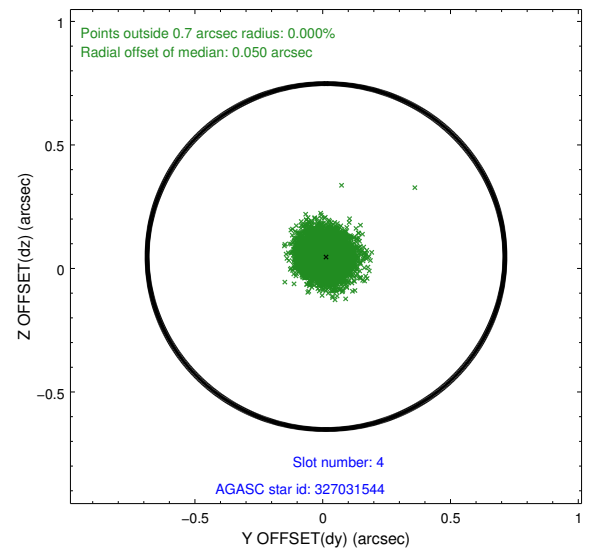
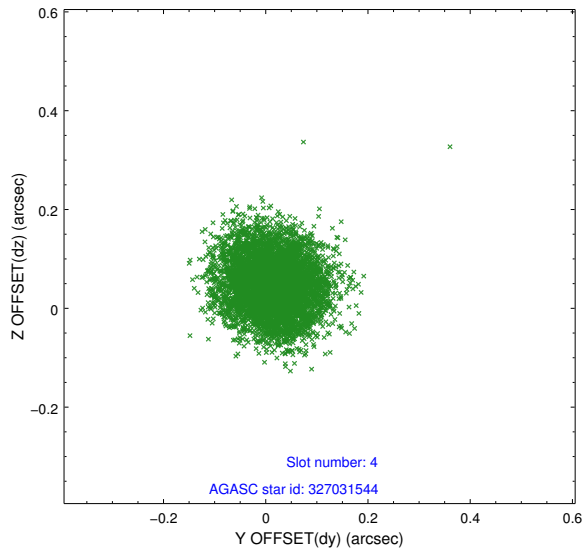
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.94	2613	-0.116	-0.042	0.007	0.011	0.000000	0.000000	-768.93	-1740.96
1	FID		ACIS-S-4	7.04	2613	0.281	0.067	0.006	0.011	0.000000	0.000000	2144.52	167.12
2	FID		ACIS-S-5	7.06	2613	-0.196	-0.017	0.007	0.012	0.000000	0.000000	-1821.23	161.27
3	GUIDE	used	327030184	8.71	5222	-0.018	-0.112	0.086	0.140	137.815216	32.922904	650.06	1372.31
4	GUIDE	used	327031544	8.34	5225	0.013	0.048	0.082	0.126	136.661642	33.370521	-594.39	-2251.98
5	GUIDE	used	327033440	6.71	5226	0.054	-0.141	0.083	0.132	137.017314	32.540397	2272.65	-888.10
6	GUIDE	used	327035800	8.35	5225	0.045	0.191	0.085	0.141	137.217201	32.978569	641.86	-444.89
7	GUIDE	used	327159304	8.23	5223	-0.091	0.013	0.081	0.135	138.156306	33.600215	-1887.02	2125.56

2.4 Star Slots

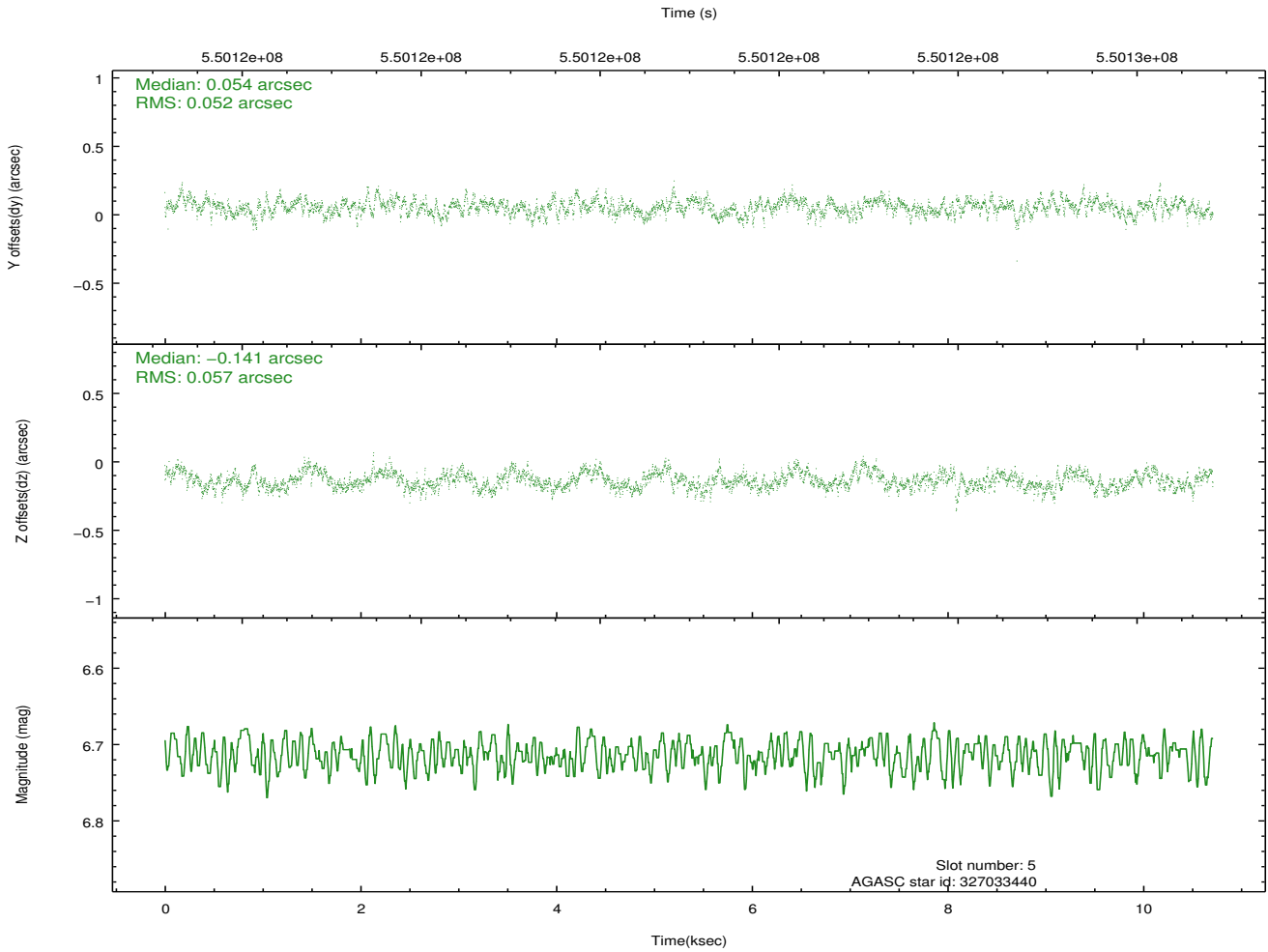
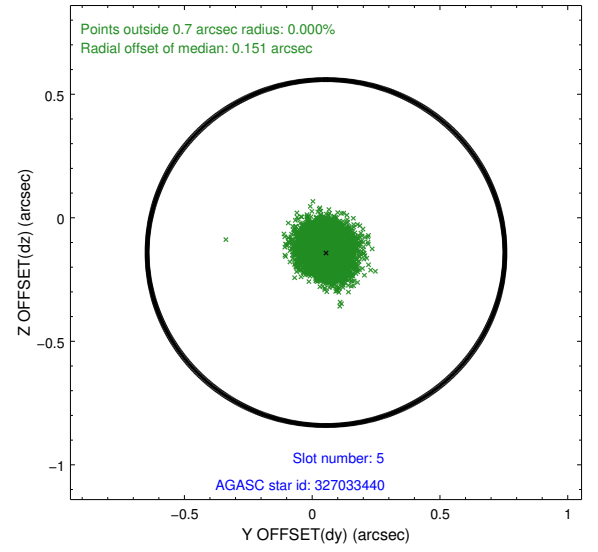
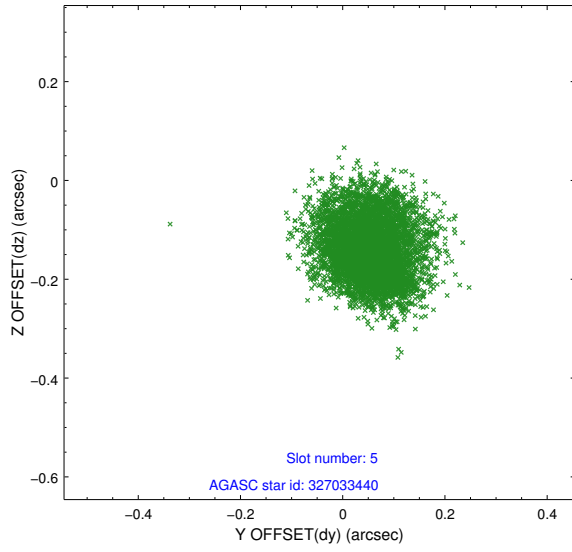
2.4.1 Slot 3



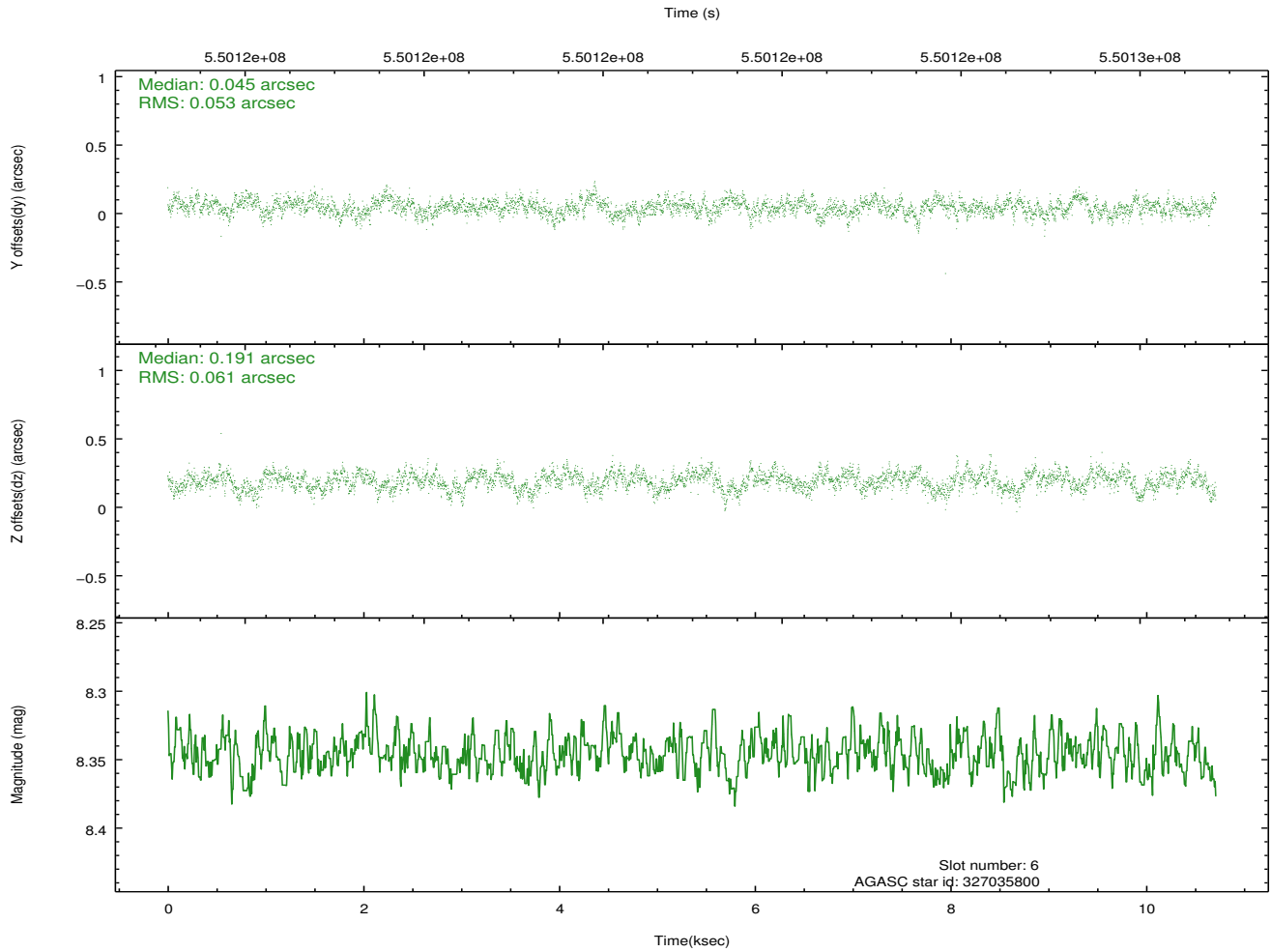
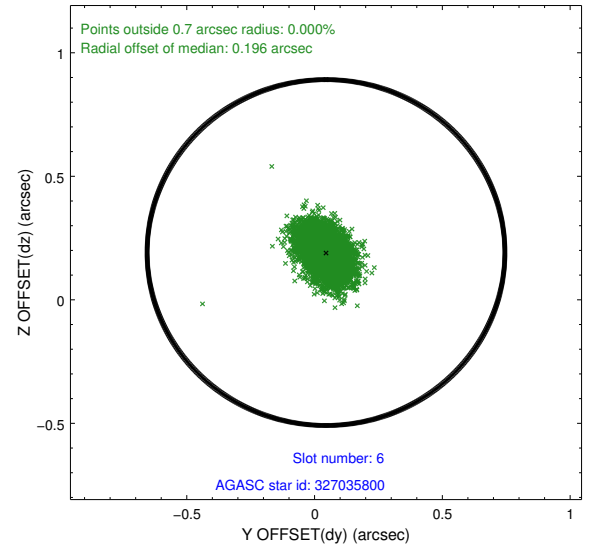
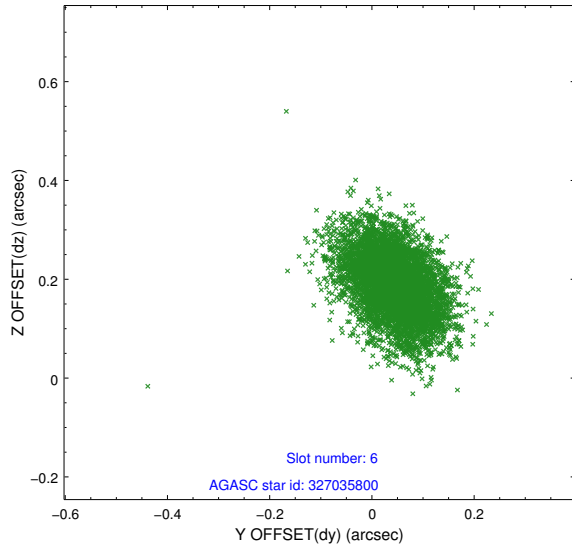
2.4.2 Slot 4



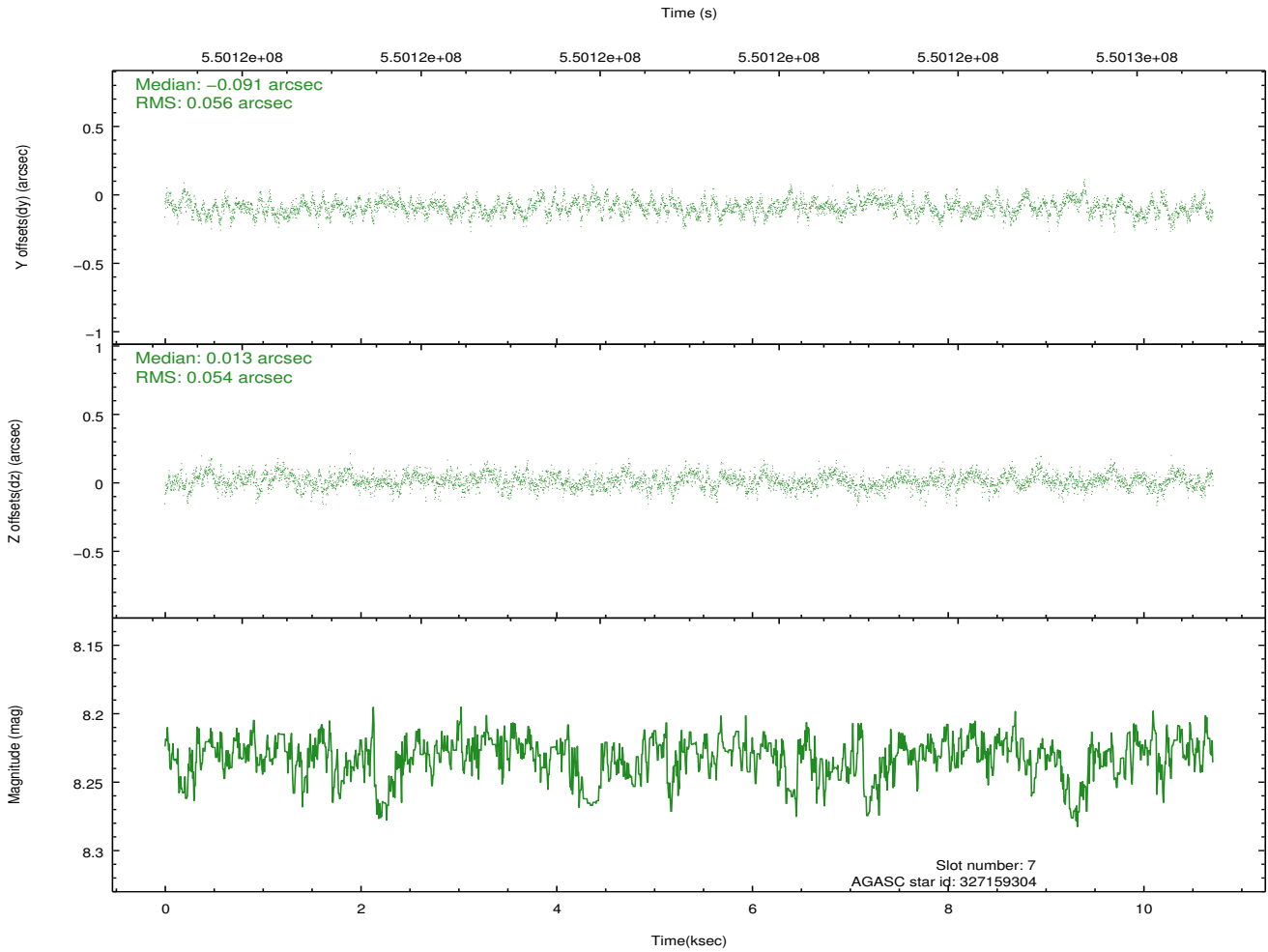
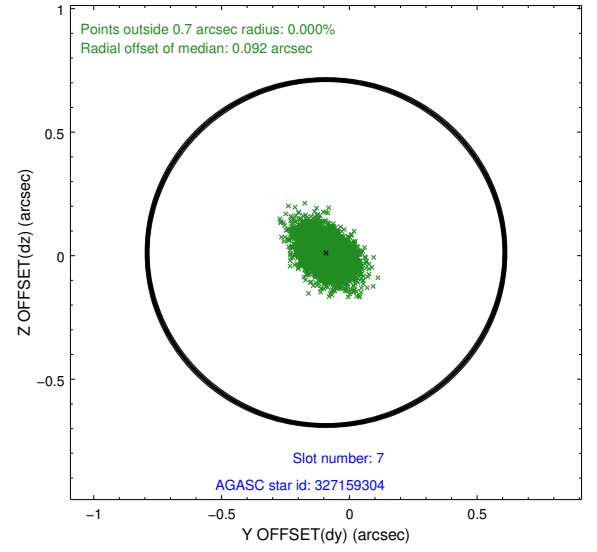
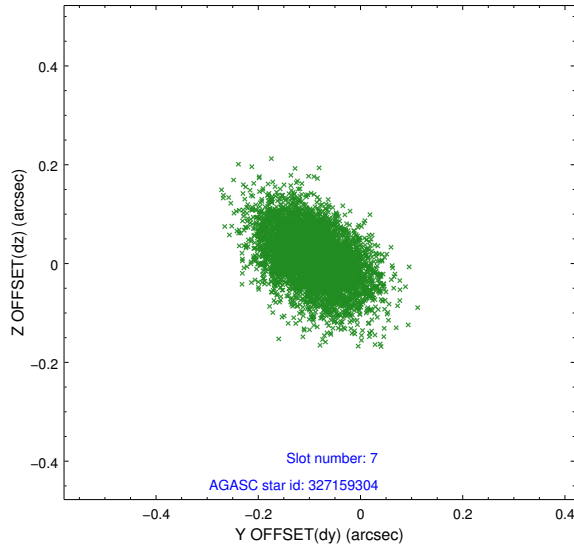
2.4.3 Slot 5



2.4.4 Slot 6

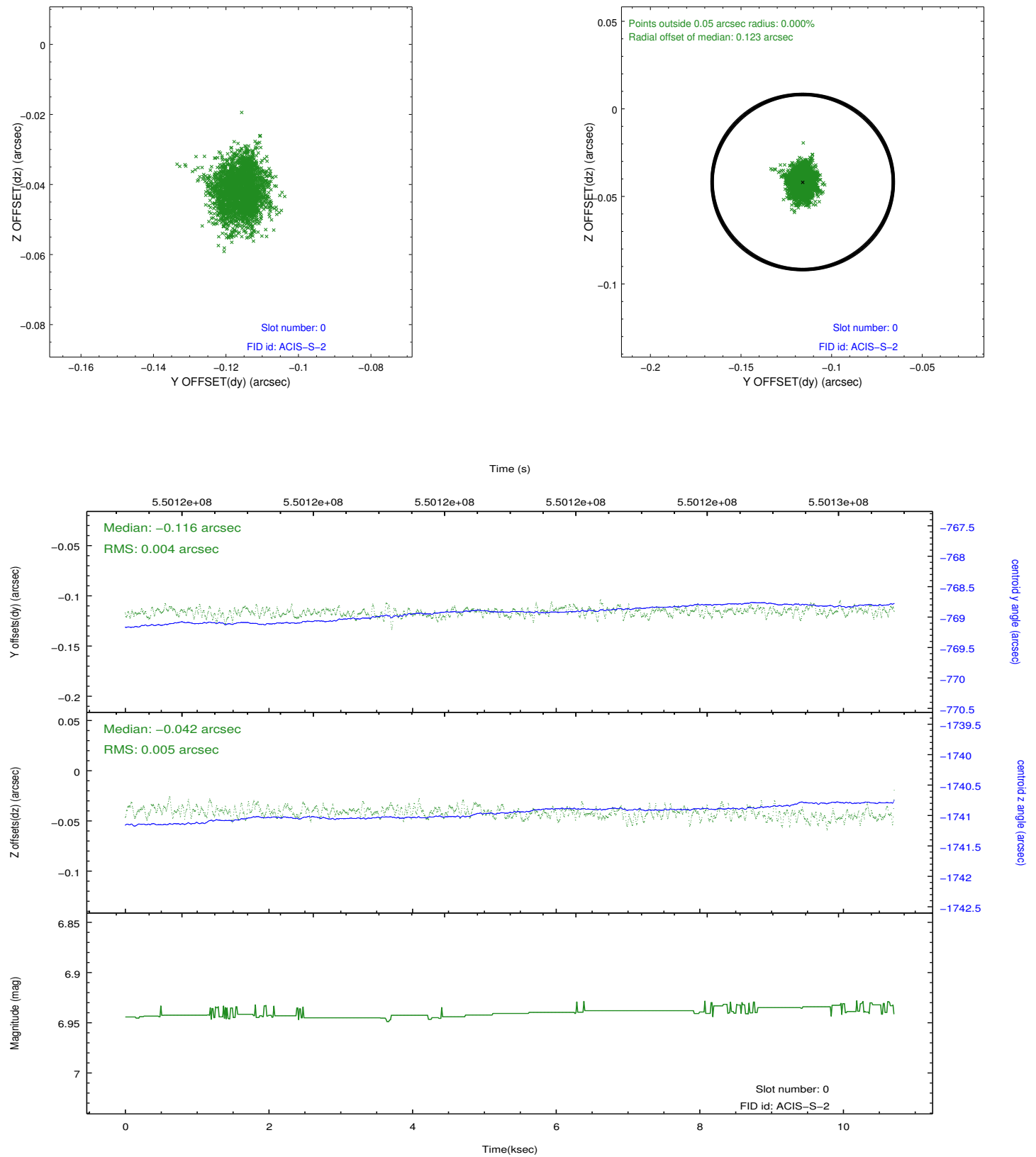


2.4.5 Slot 7

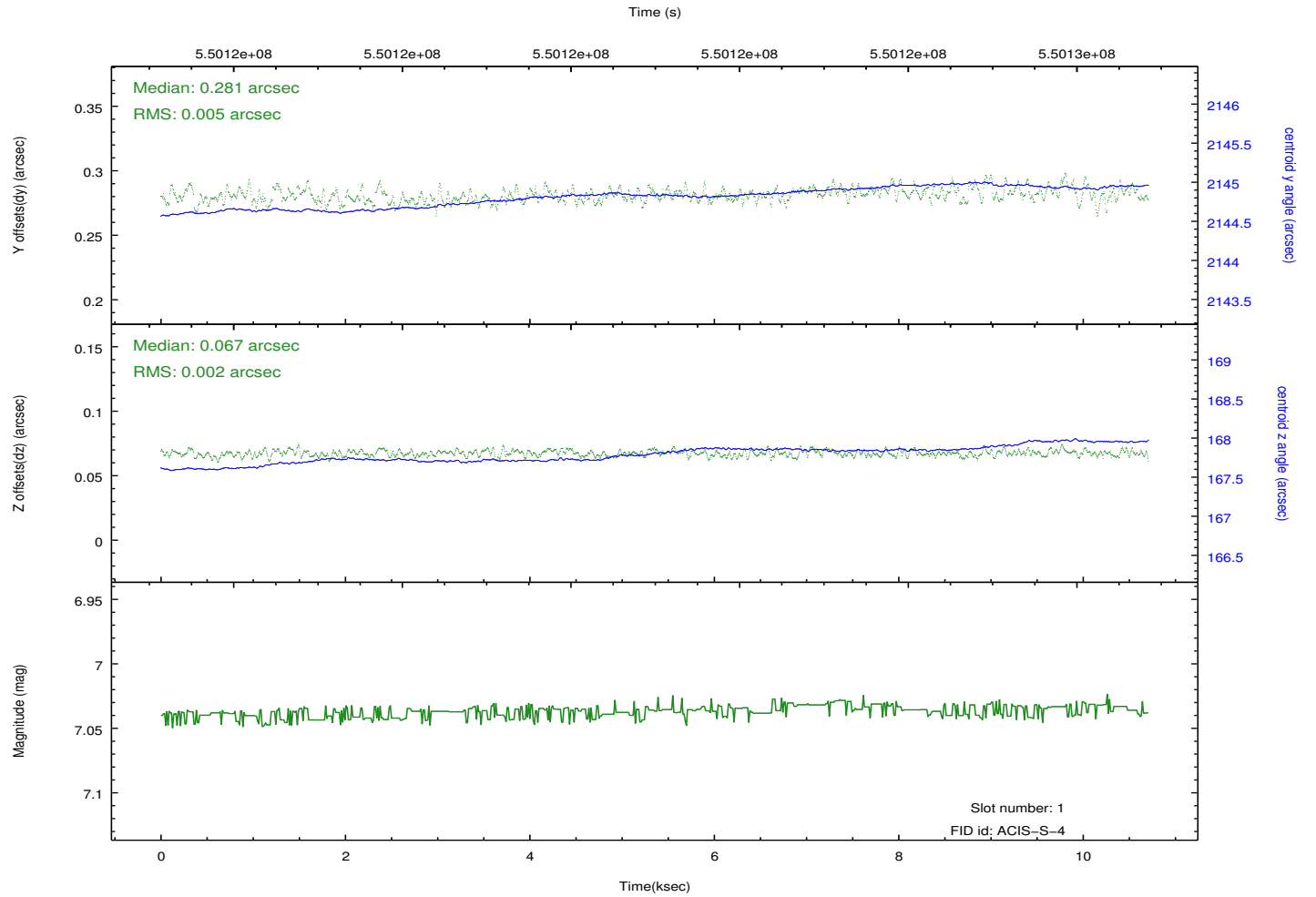
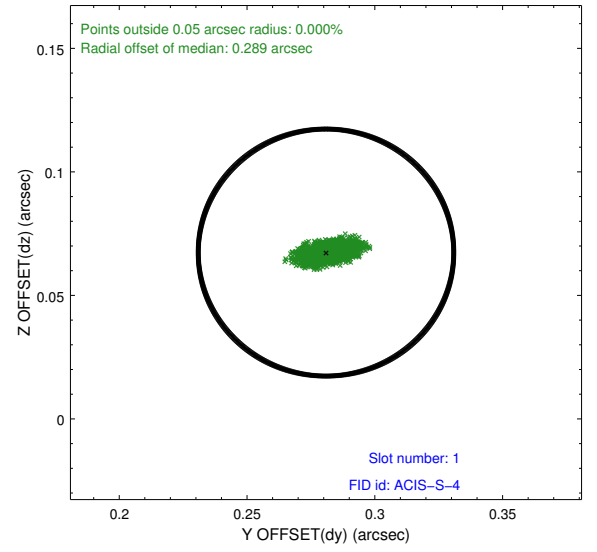
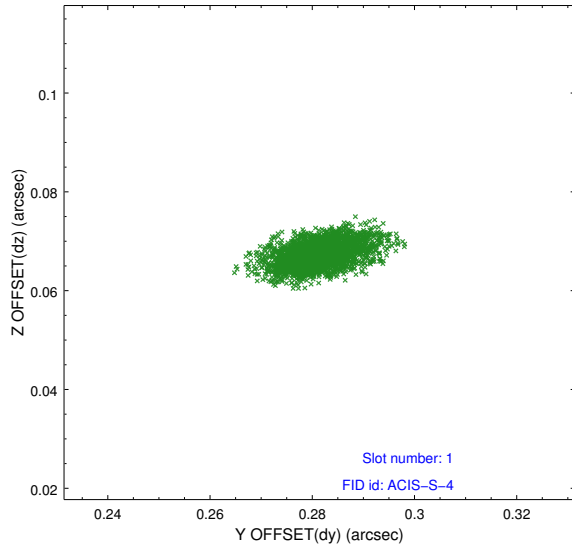


2.5 FID Slots

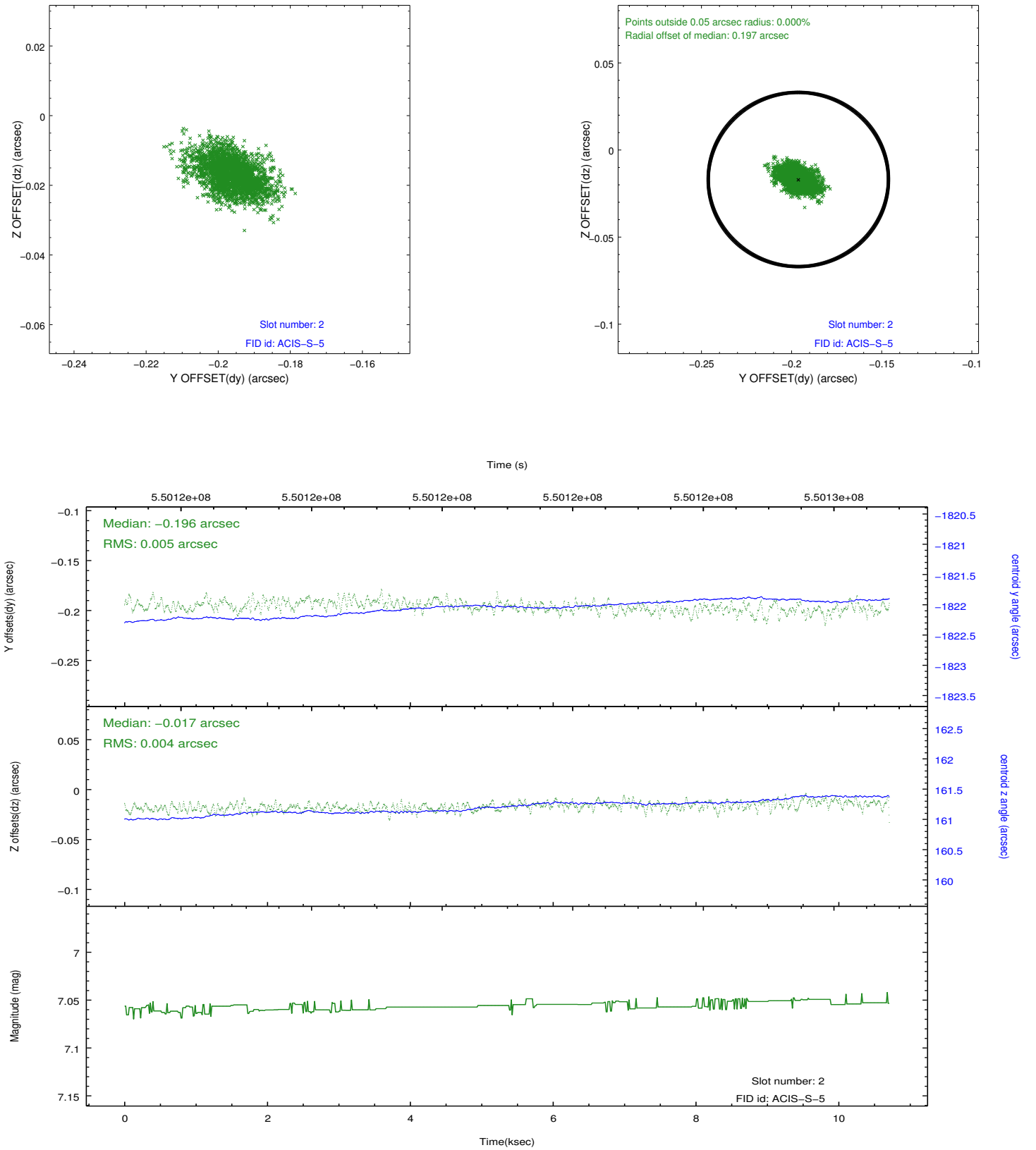
2.5.1 Slot 0



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)	2015.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.046760328054

A.2 Comments