

V&V Reference Report

L2 ASCDS Version : 10.6.3

Observation 21118 - L2 Version 1
Chandra X-Ray Center

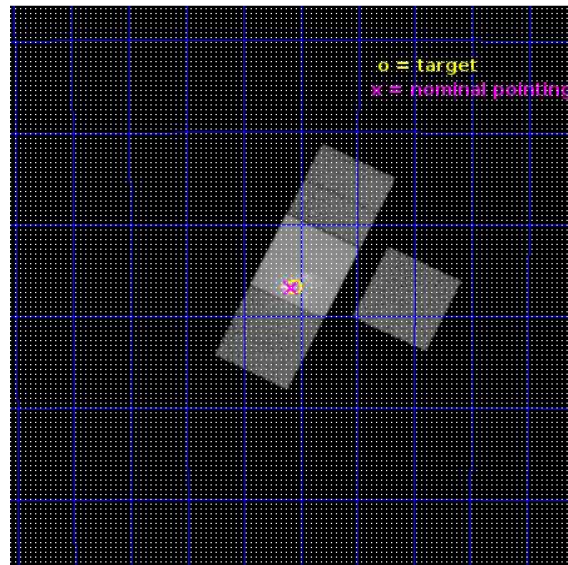
L2 Processing Date : Jul 9 2018

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1 Front

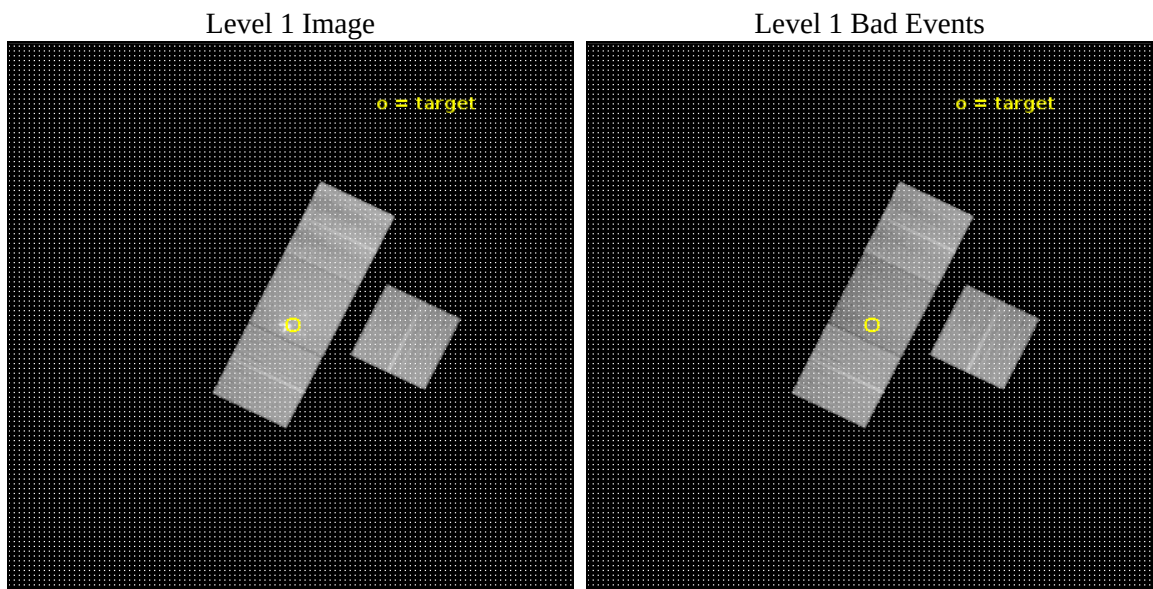
seq_num	503007	Sequence number
obs_id	21118	Observation id
title	The Peculiar, Asymmetric Core-Collapse Supernova Remnant G350.1-0.3	
observer	Stephen Reynolds	Principal investigator
object	G350.1-0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.2625	Observer's specified target RA [deg]
dec_targ	-37.447222	Observer's specified target Dec [deg]
ra_nom	260.27031962925	Nominal RA [deg]
dec_nom	-37.449172072991	Nominal Dec [deg]
roll_nom	296.16138990398	Nominal Roll [deg]
revision	1	Processing version of data
ontime	43473.789870381	Sum of GTIs [s]
livetime	42905.772800786	Livetime [s]
ontime3	43467.425670028	Sum of GTIs [s]
ontime6	43473.748830438	Sum of GTIs [s]
ontime7	43473.789870381	Sum of GTIs [s]
ontime8	43470.525700212	Sum of GTIs [s]
l2events	309309	Number of level 2 events



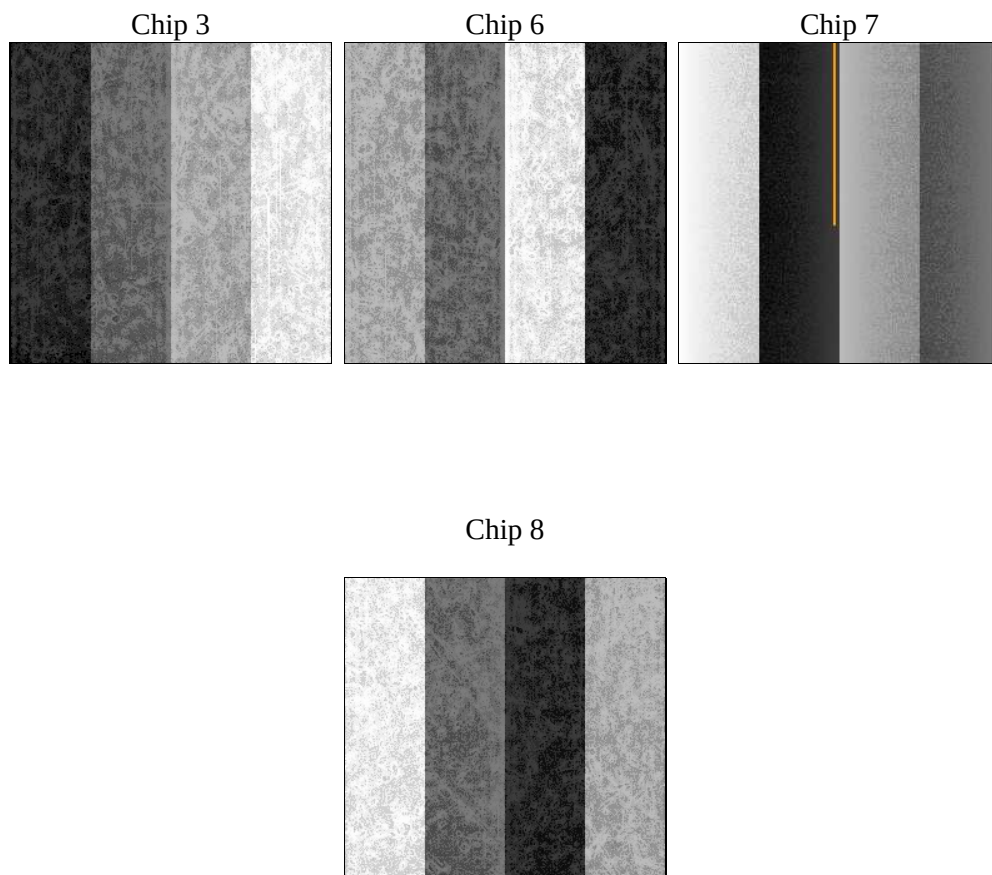
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	43356.590000	[s] Scheduled observation exposure time
ascdsver	10.6.3	Processing system revision	ontime	43473.789870381	Sum of GTIs [s]
caldsver	4.7.8	 	ontime3	43467.425670028	Sum of GTIs [s]
date	2018-07-09T18:16:37	Date and time of file creation	ontime6	43473.748830438	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	43473.789870381	Sum of GTIs [s]
			ontime8	43470.525700212	Sum of GTIs [s]
			l1events	1363131	Number of level 1 events

2.1.4 Events

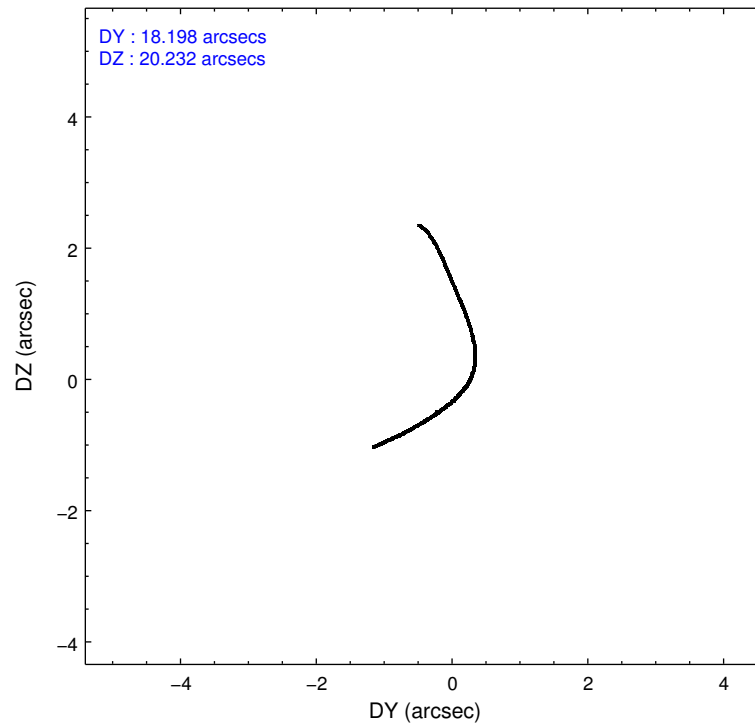
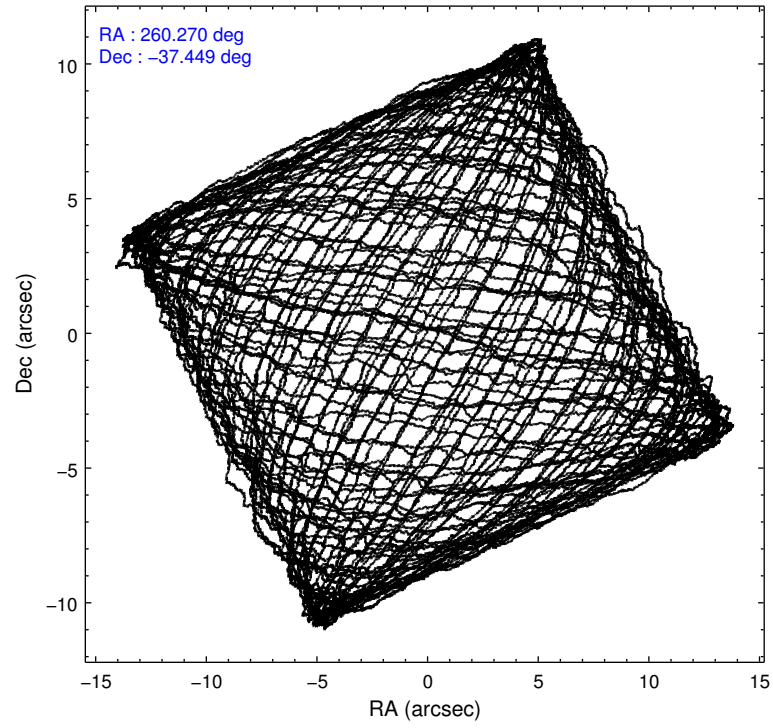
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	287364	314561	381967	379239
rejected events	256547	276764	164444	274128
rejected %	89%	87%	43%	72%

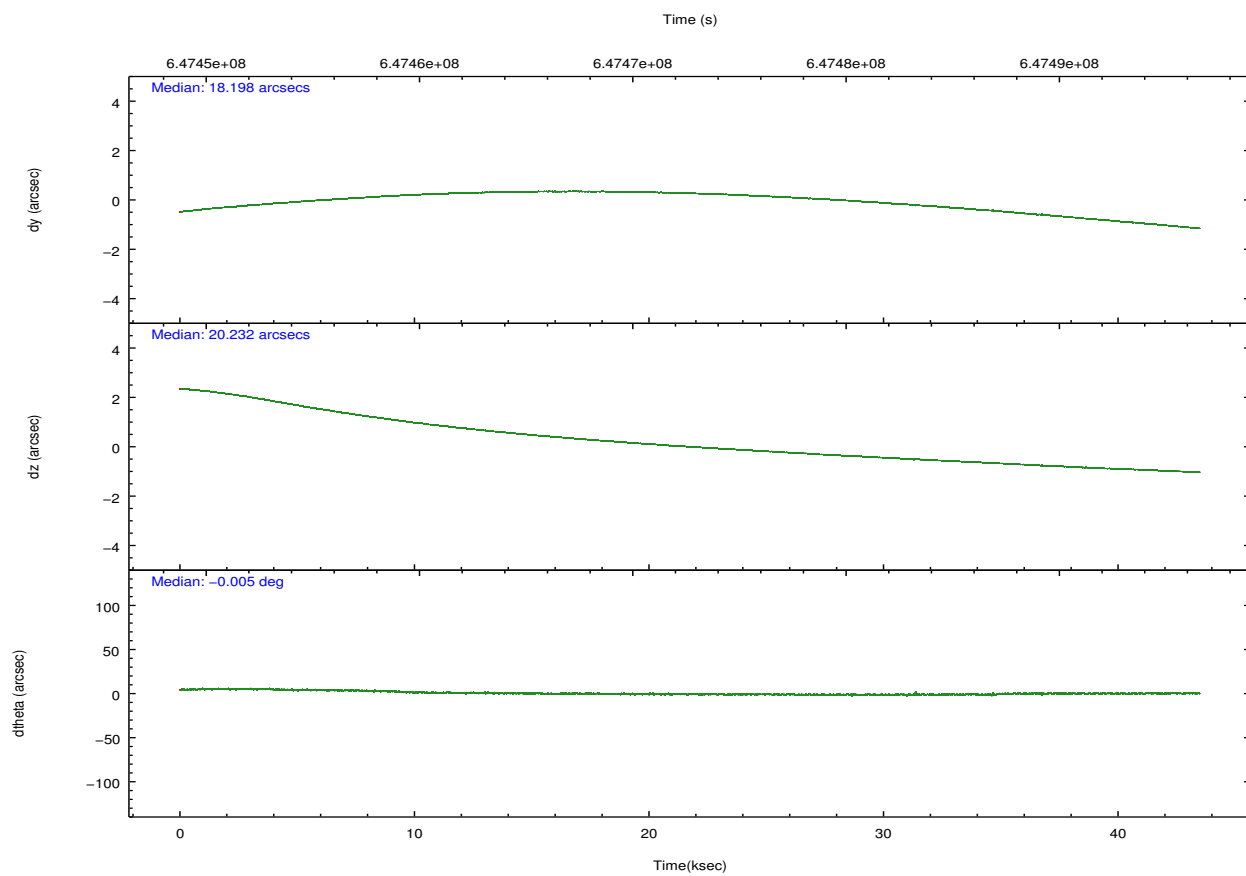
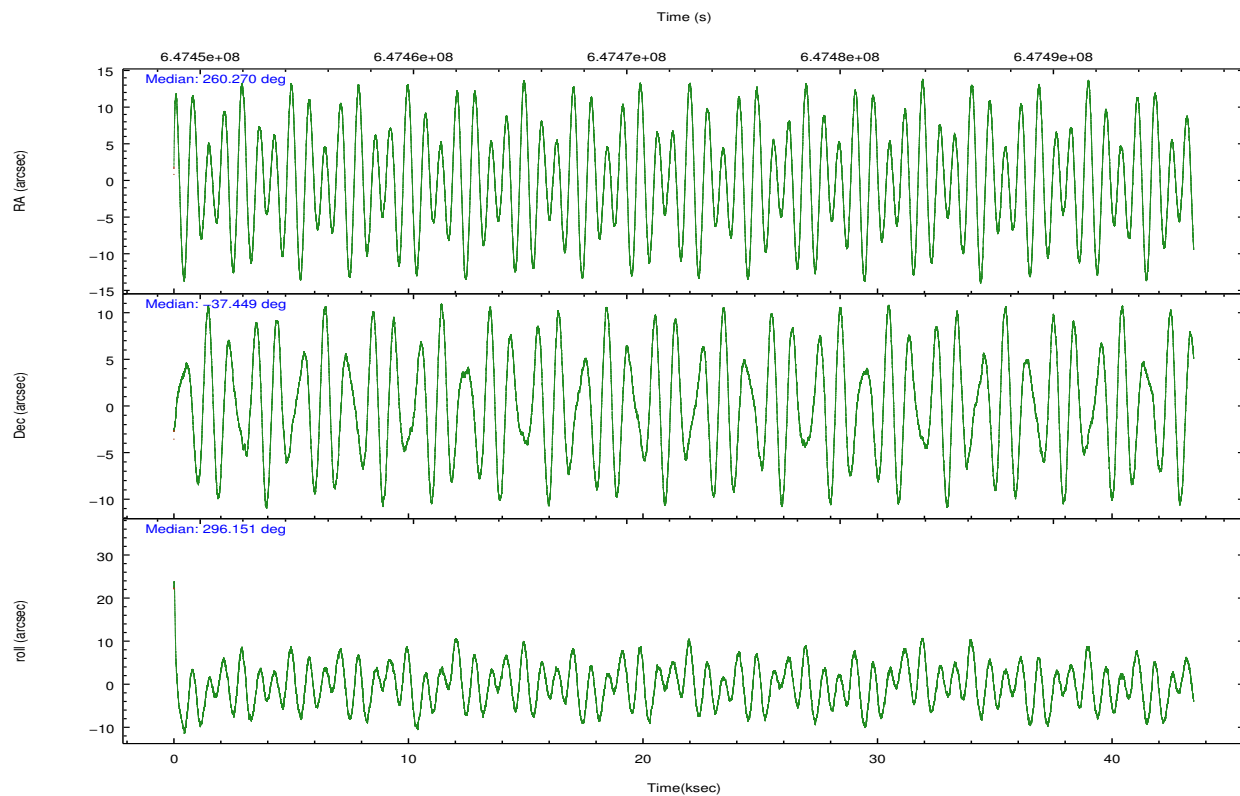
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	11800	14903	27170	25286
	4%	4%	7%	6%
grade 1 events	163	165	359	293
	0%	0%	0%	0%
grade 2 events	6642	8626	49092	27767
	2%	2%	12%	7%
grade 3 events	3182	3337	20080	11623
	1%	1%	5%	3%
grade 4 events	3171	3342	20018	10868
	1%	1%	5%	2%
grade 5 events	11150	11438	32962	18733
	3%	3%	8%	4%
grade 6 events	6022	7590	101173	29572
	2%	2%	26%	7%
grade 7 events	245234	265160	131113	255097
	85%	84%	34%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	260.241353	260.270319629248	CCD I2 on	O1	N
[deg] Pointing Dec	-37.434197	-37.44917207299122	CCD I3 on	Y	Y
[deg] Pointing Roll	295.987148	296.1613899039751	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	647451073.184000	647449853.90135	CCD S5 on	N	N
Observation start date	2018-07-08T15:30:04	2018-07-08T15:10:53	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	647494429.184000	647495608.87906	On-chip summing requested	N	N
Observation end date	2018-07-09T03:32:40	2018-07-09T03:53:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



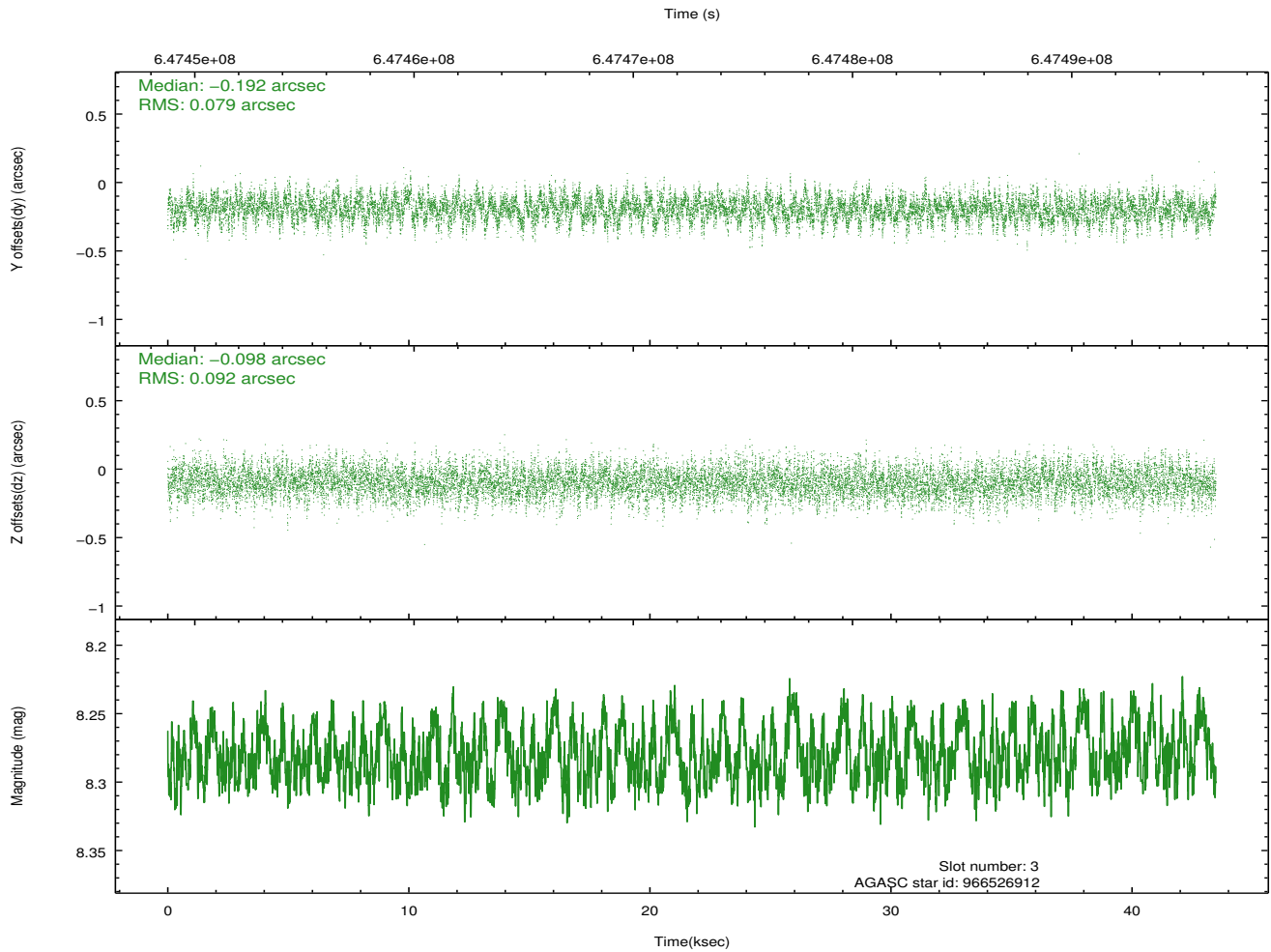
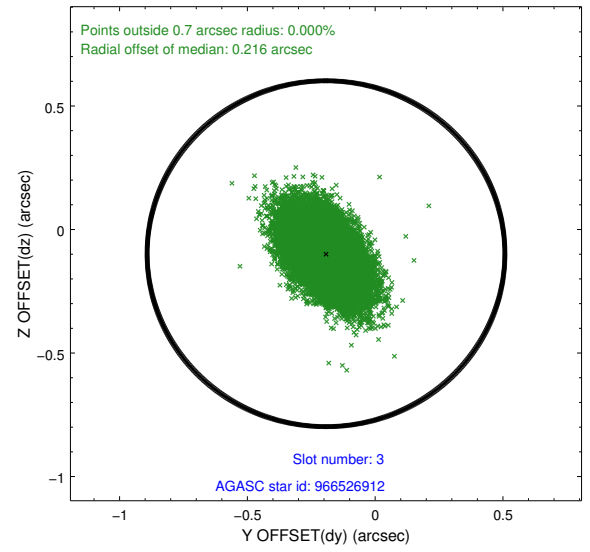
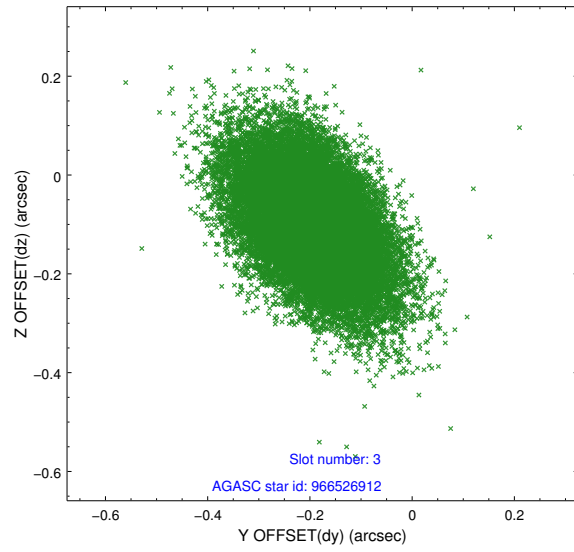


Slot Statistics

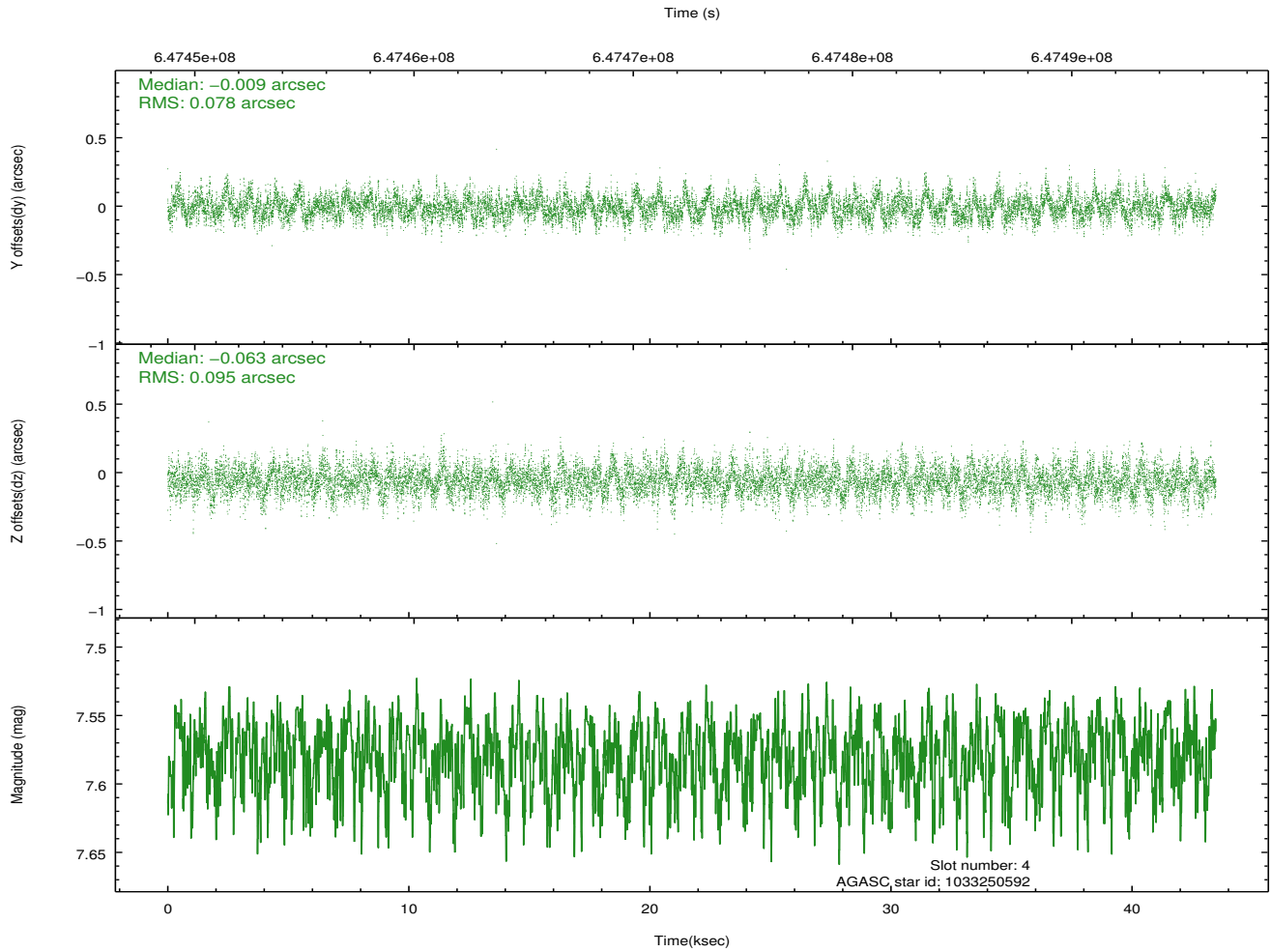
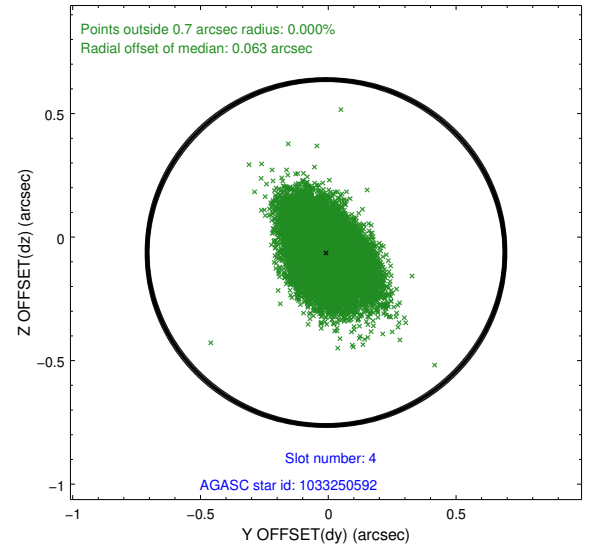
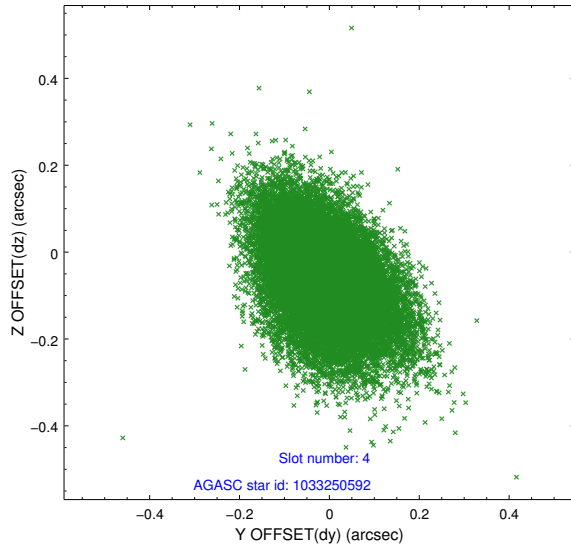
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.06	10606	1.000	-0.217	-0.104	0.020	0.043	0.000000	0.000000	-771.33	-1742
1	FID		ACIS-S-4	7.16	10605	1.000	0.527	0.133	0.014	0.064	0.000000	0.000000	2142.65	166
2	FID		ACIS-S-5	7.15	10603	1.000	-0.339	-0.021	0.020	0.050	0.000000	0.000000	-1824.32	160
3	GUIDE	used	966526912	8.28	21188	1.000	-0.192	-0.098	0.127	0.215	260.589606	-37.083992	-693.43	1450
4	GUIDE	used	1033250592	7.58	21200	1.000	-0.009	-0.063	0.127	0.218	260.179016	-38.020595	1820.76	-1083
5	GUIDE	used	966526680	8.98	21187	1.000	0.265	0.446	0.146	0.238	259.712281	-37.092655	-1766.22	-828
6	GUIDE	used	966526152	8.62	21198	1.000	-0.070	-0.320	0.130	0.231	260.874678	-37.077581	-351.65	2194
7	GUIDE	used	1031544424	8.46	21193	1.000	0.017	0.031	0.145	0.264	259.780458	-38.098548	1581.61	-2222

2.4 Star Slots

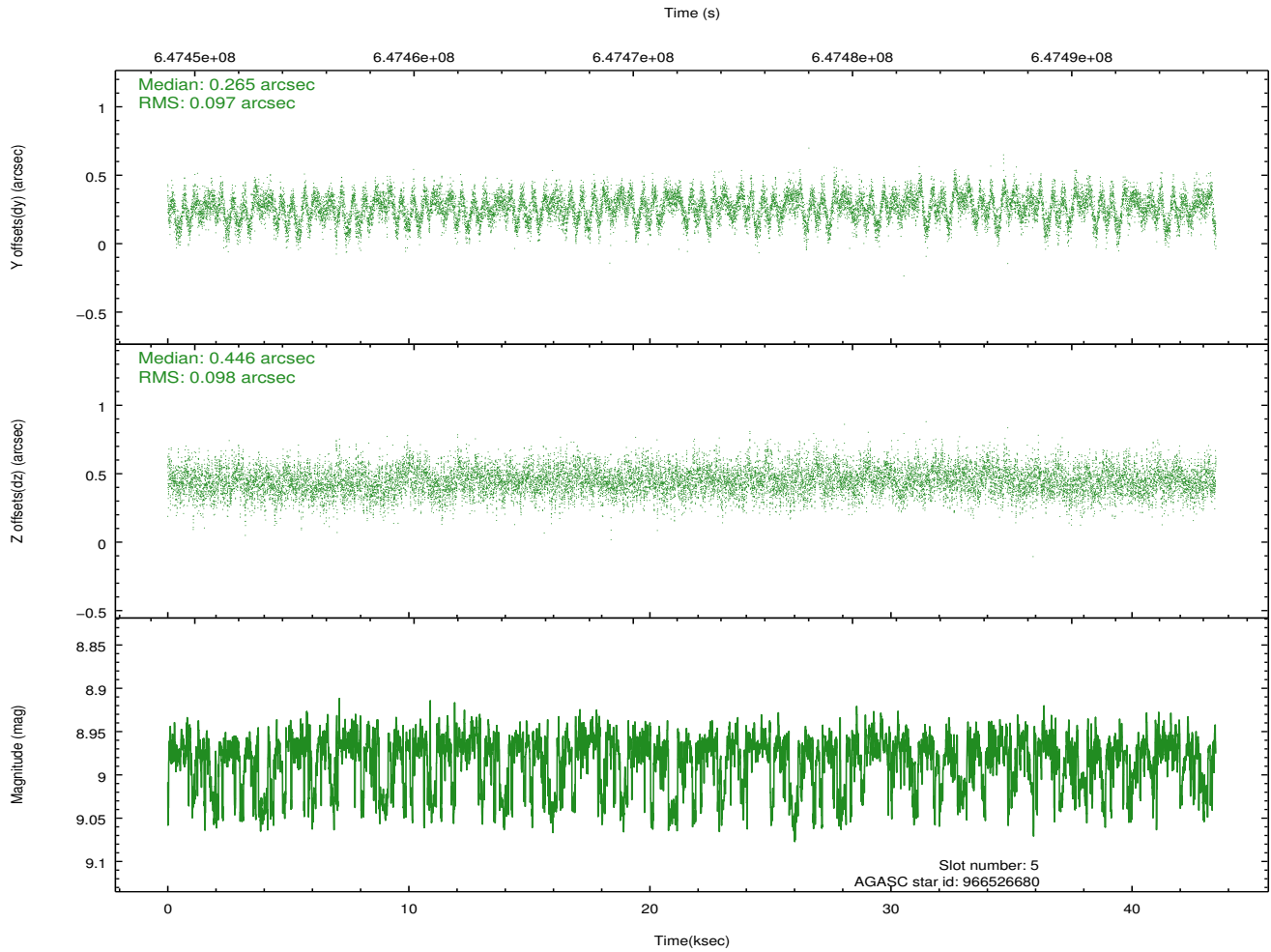
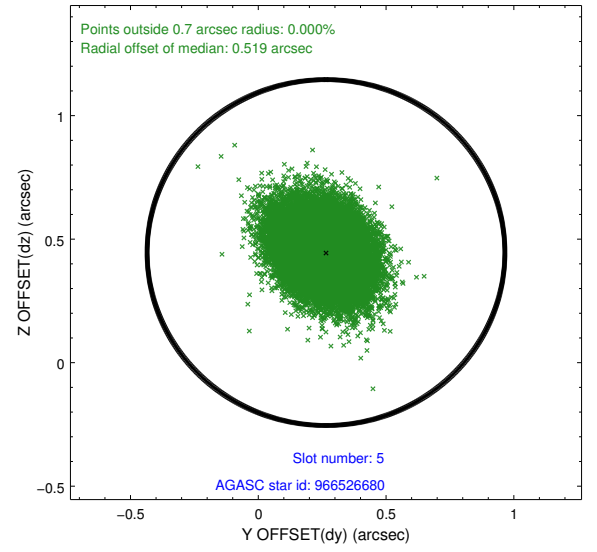
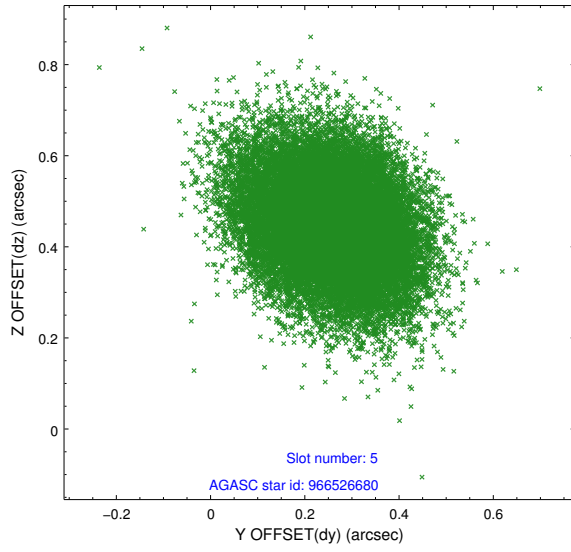
2.4.1 Slot 3



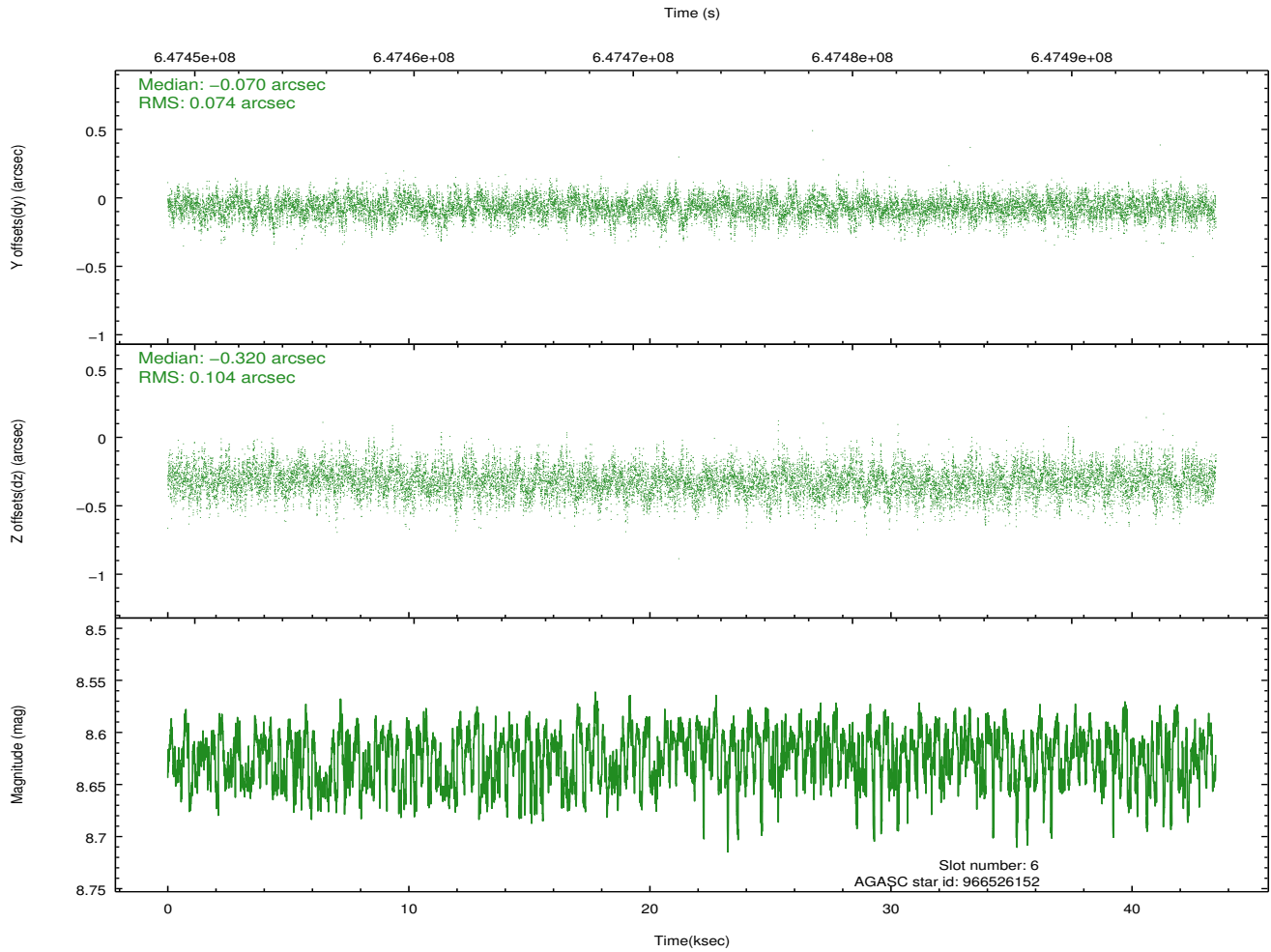
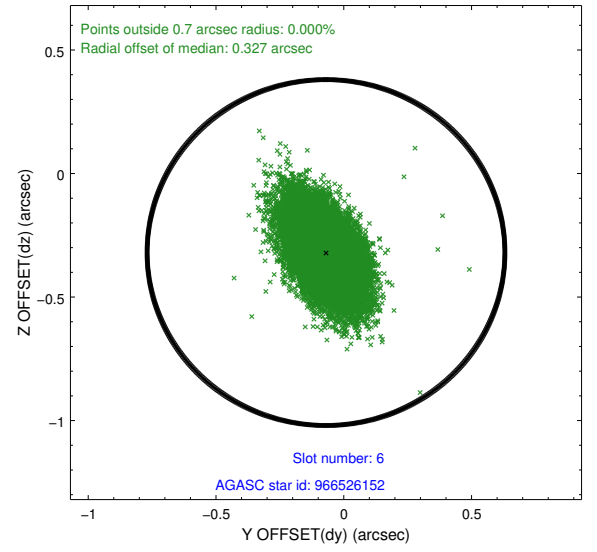
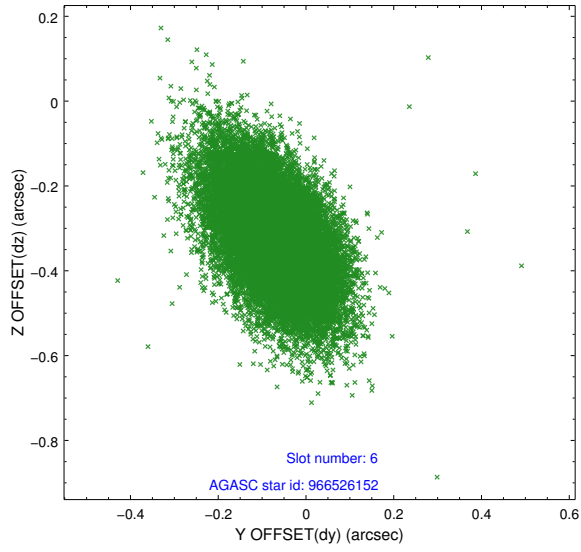
2.4.2 Slot 4



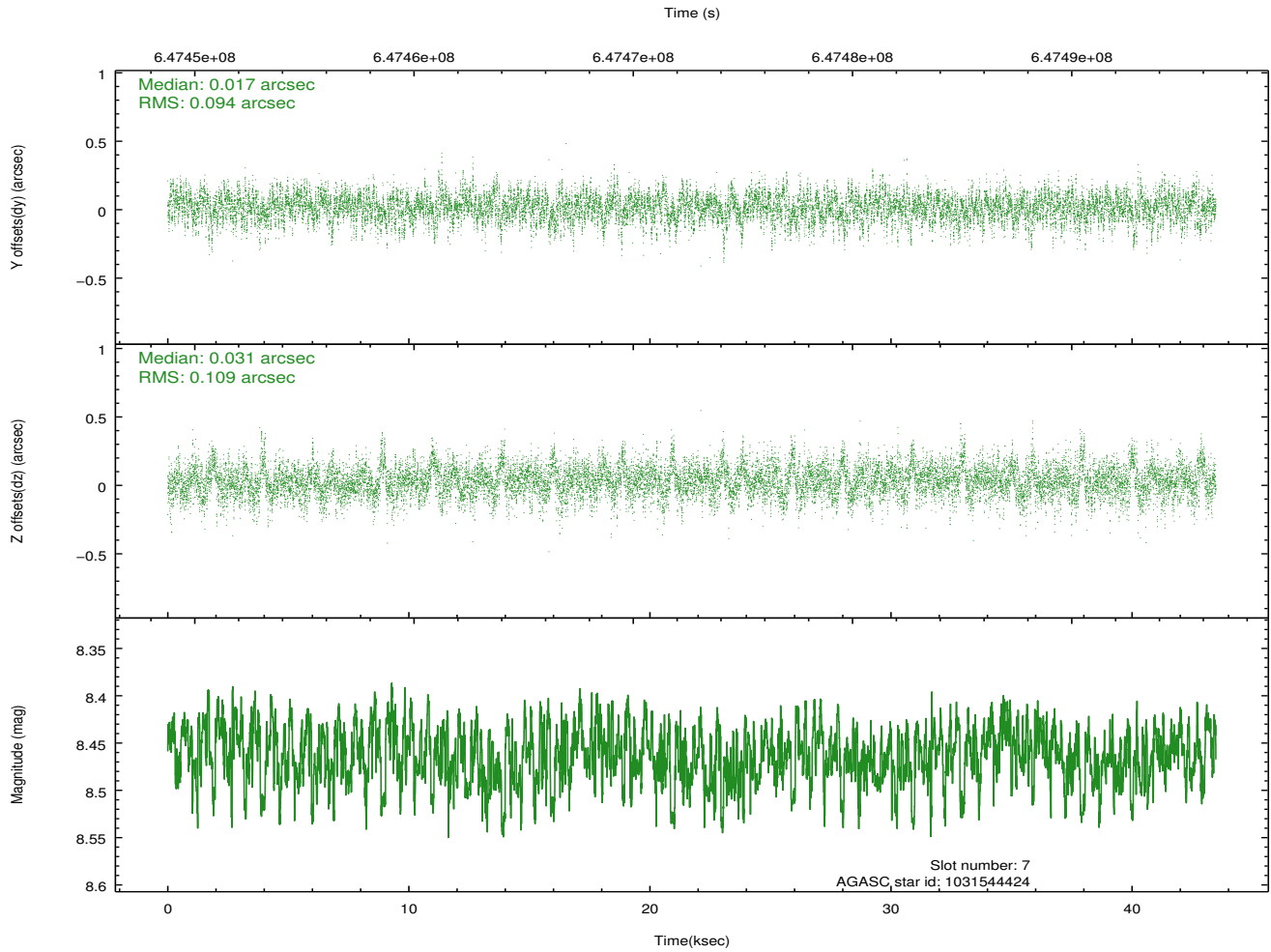
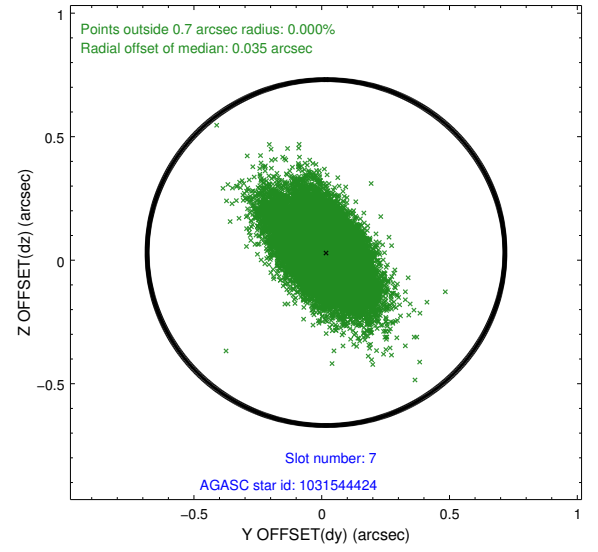
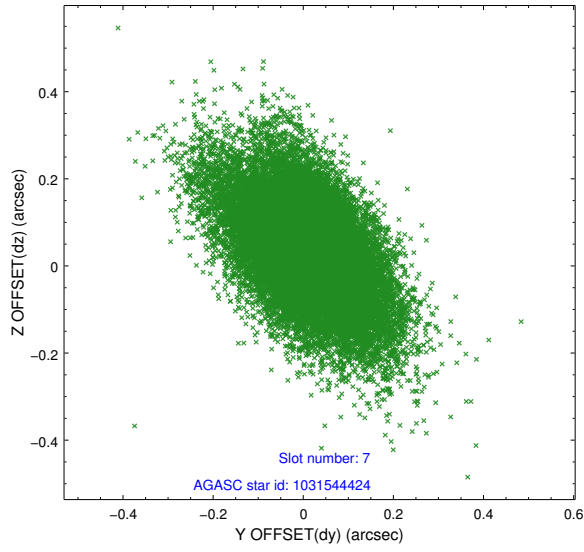
2.4.3 Slot 5



2.4.4 Slot 6

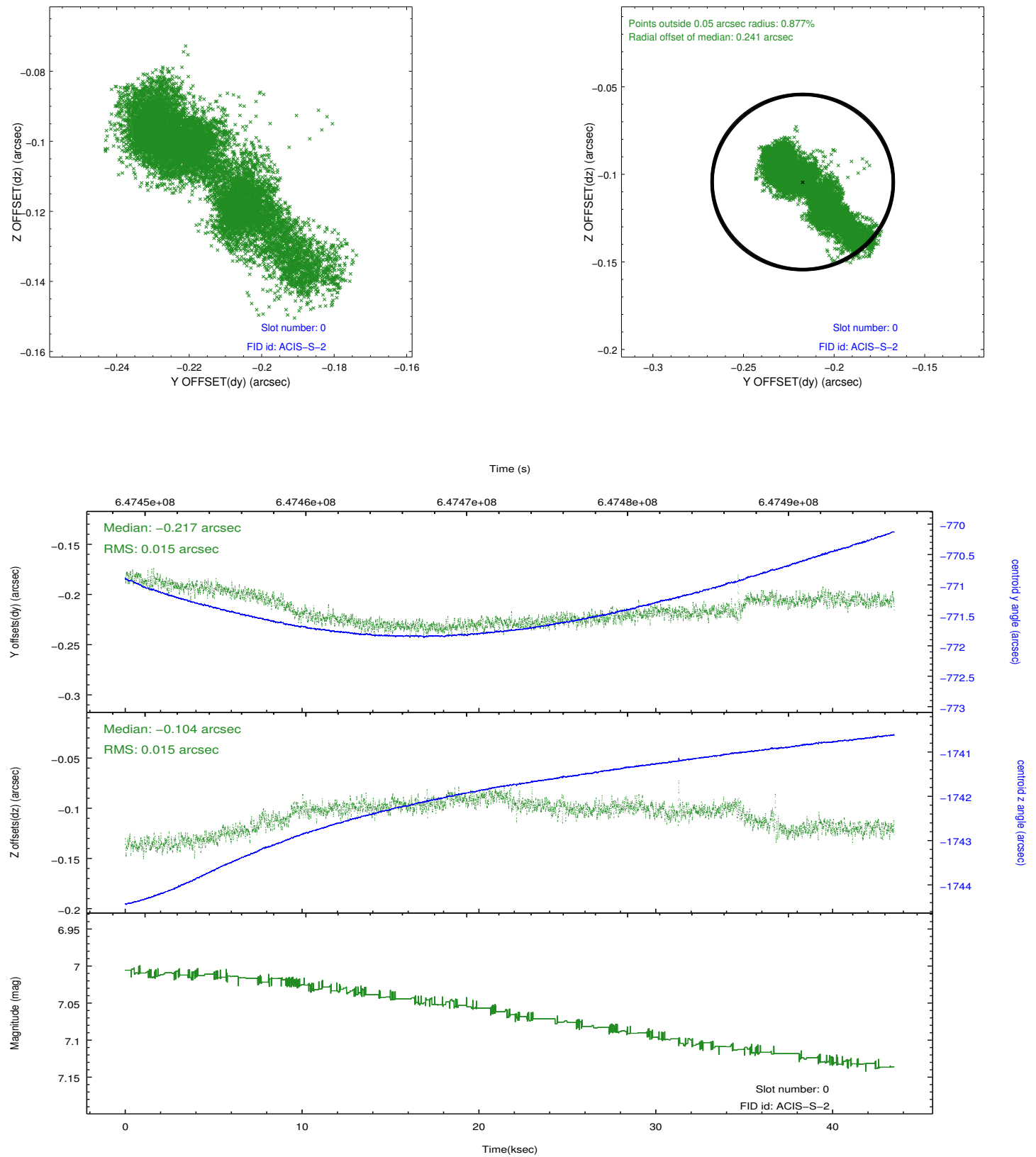


2.4.5 Slot 7

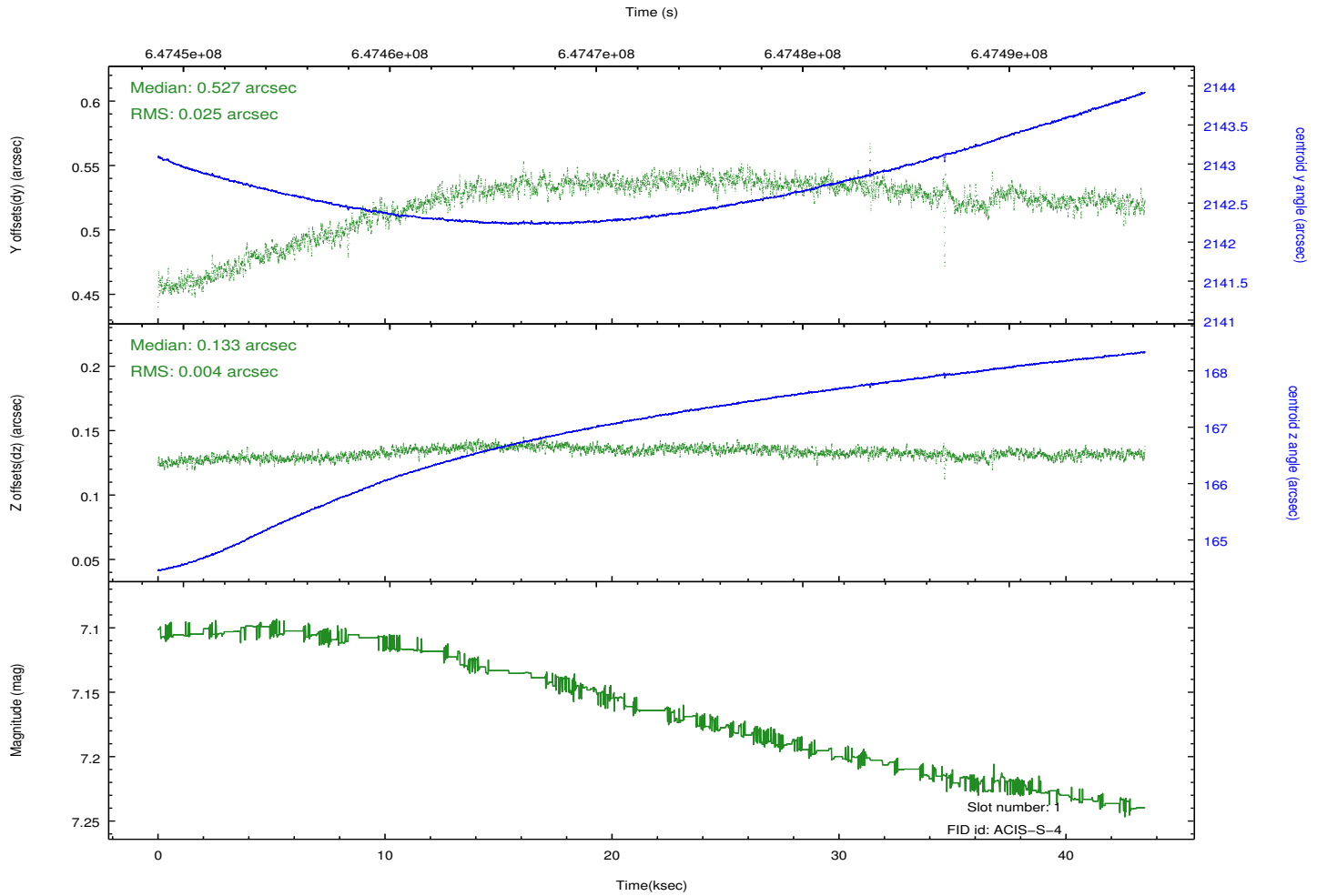
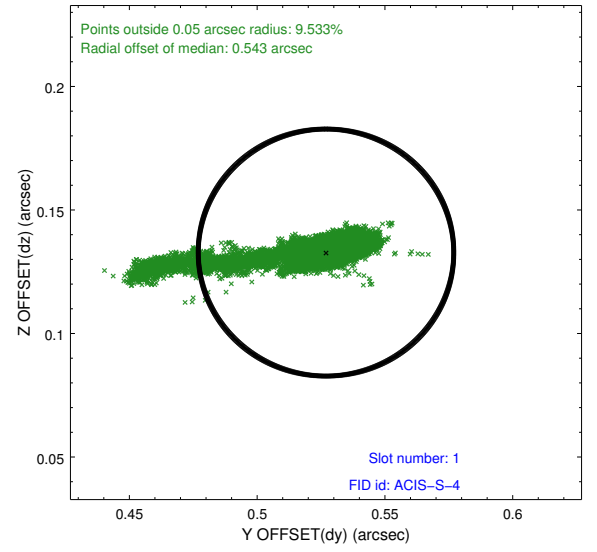
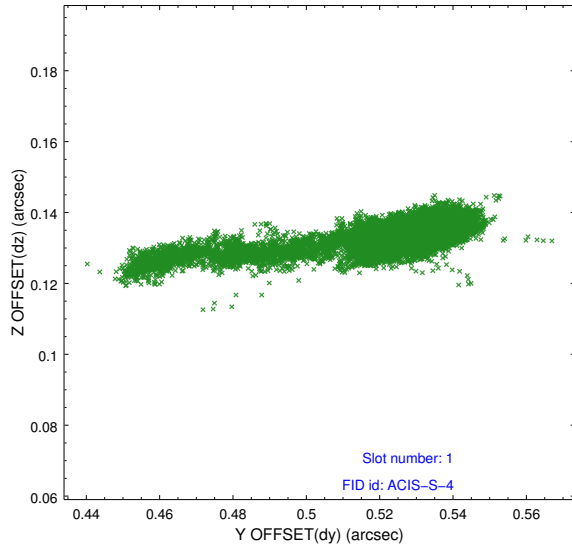


2.5 FID Slots

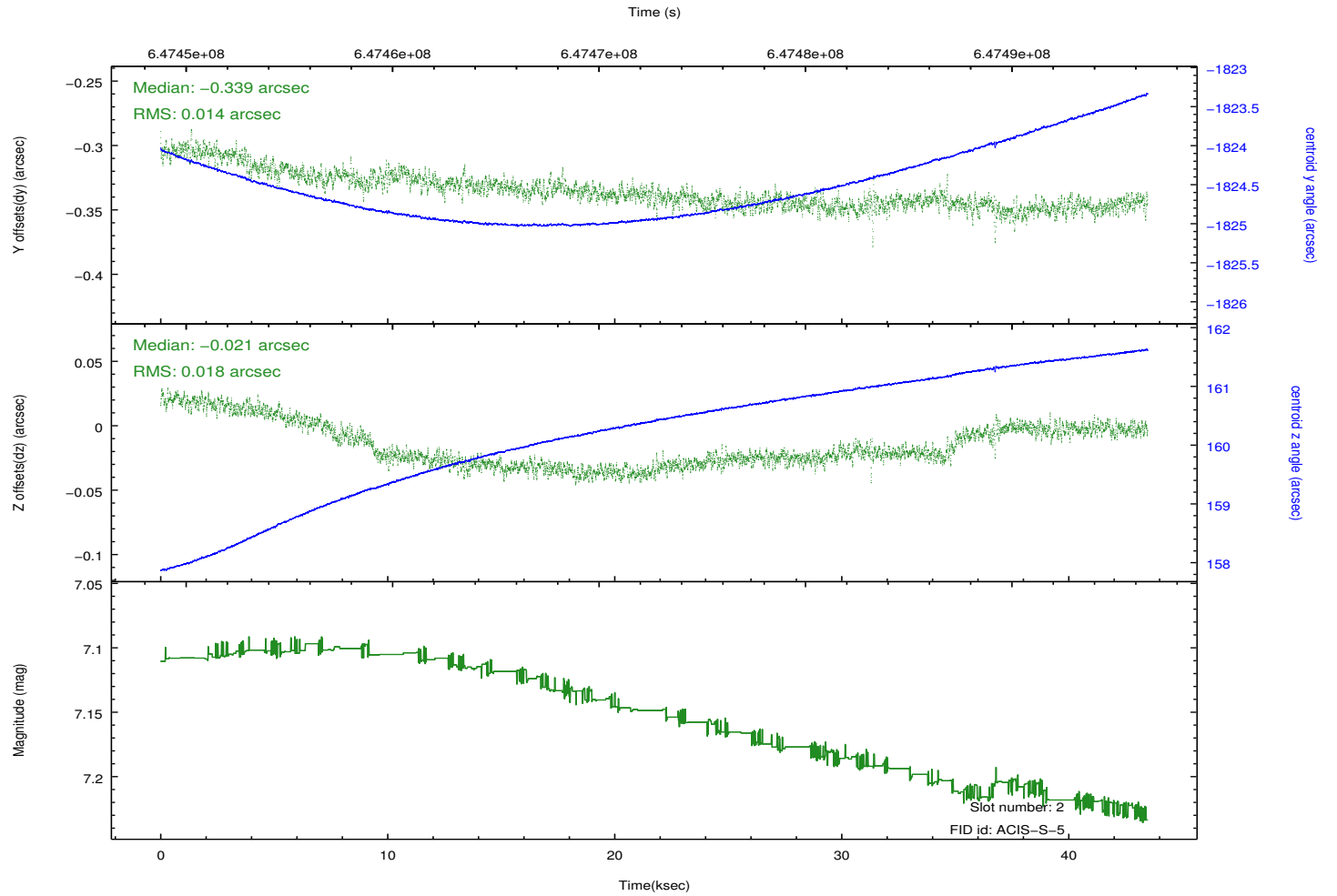
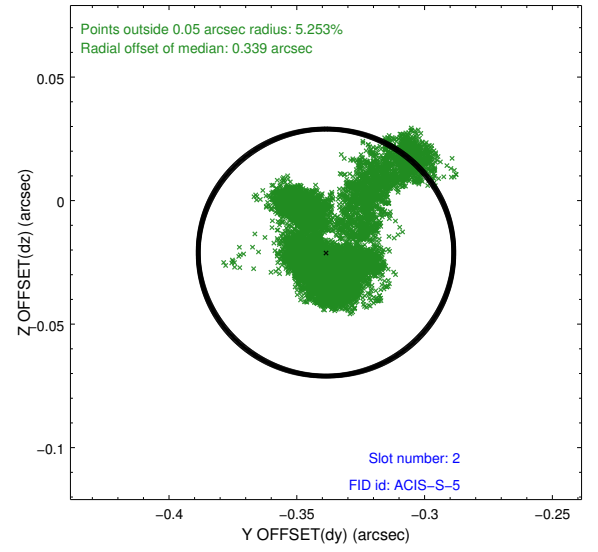
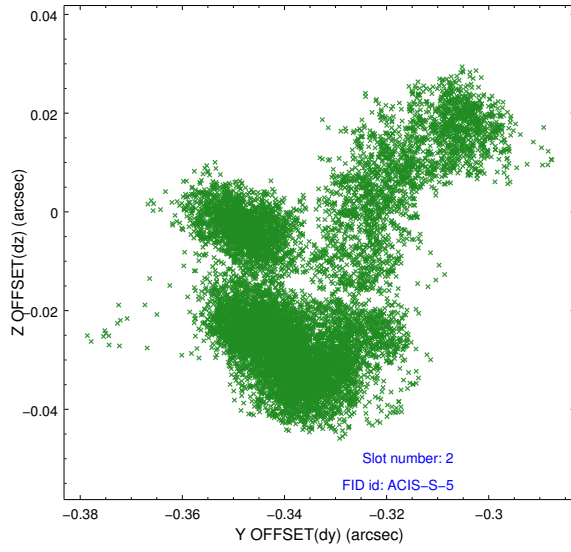
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2018.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.473789870381

A.2 Comments

One optional chip was dropped.