

V&V Reference Report

L2 ASCDS Version : 10.6.3

Observation 21117 - L2 Version 1
Chandra X-Ray Center

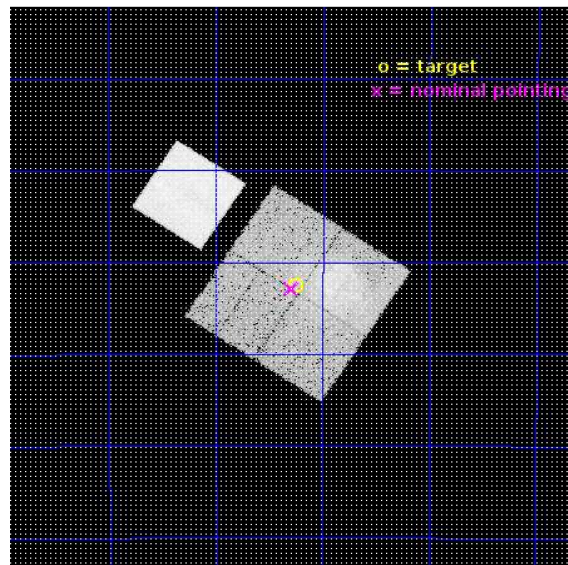
L2 Processing Date : Jul 6 2018

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1 Front

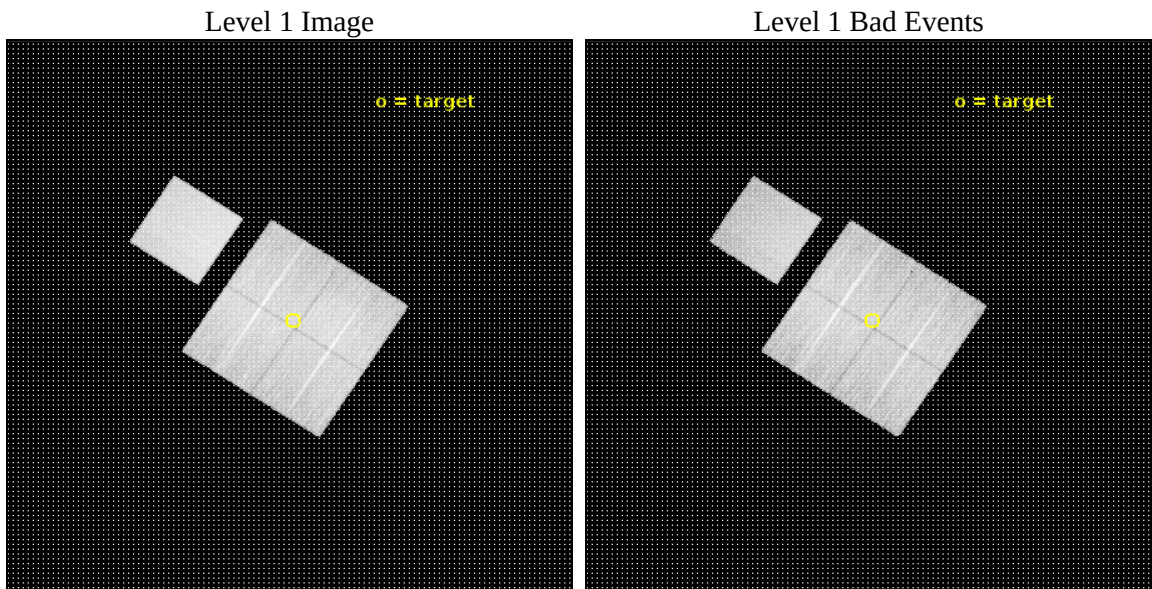
seq_num	503004	Sequence number
obs_id	21117	Observation id
title	Elemental Distribution in the Evolved Type Ia SNR G344.7-0.1	Propo
observer	Hiroya Yamaguchi	Principal investigator
object	G344.7-0.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.062	Observer's specified target RA [deg]
dec_targ	-41.71	Observer's specified target Dec [deg]
ra_nom	256.07316276747	Nominal RA [deg]
dec_nom	-41.71472432838	Nominal Dec [deg]
roll_nom	303.21612507766	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19055.118762851	Sum of GTIs [s]
livetime	18806.14960804	Livetime [s]
ontime0	19058.136703253	Sum of GTIs [s]
ontime1	19058.177743316	Sum of GTIs [s]
ontime2	19055.077723145	Sum of GTIs [s]
ontime3	19055.118762851	Sum of GTIs [s]
ontime7	19058.300863266	Sum of GTIs [s]
l2events	150709	Number of level 2 events



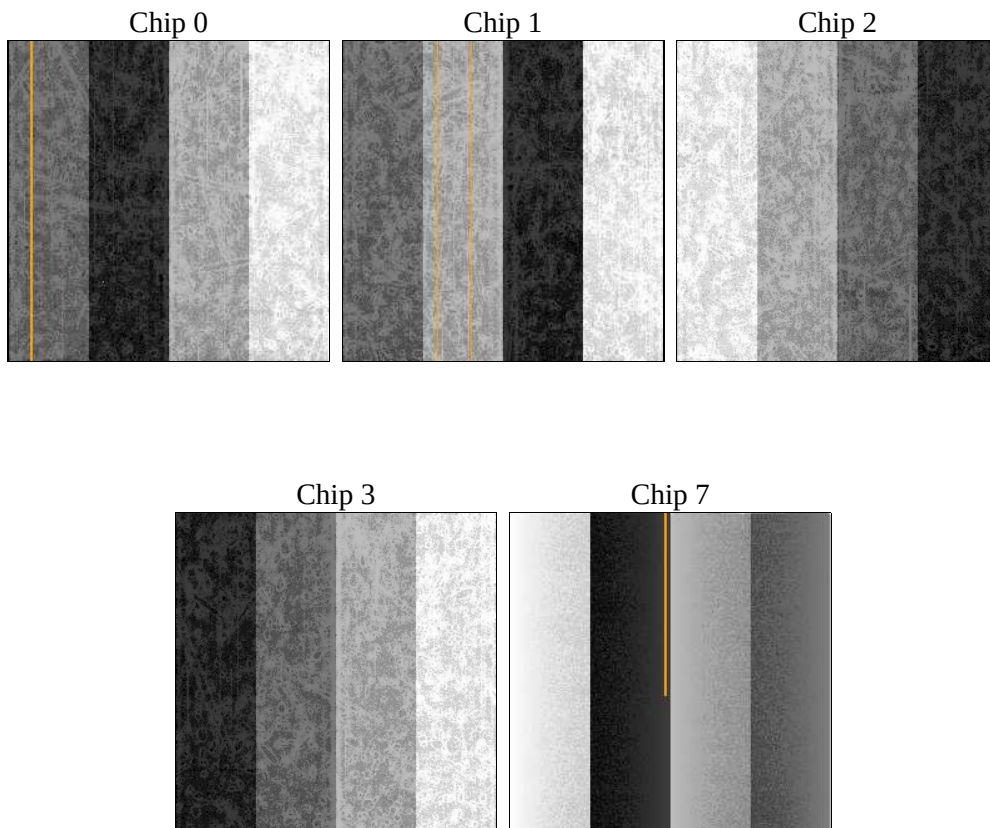
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19000.000000	[s] Scheduled observation exposure time
ascdsver	10.6.3	Processing system revision	ontime	19055.118762851	Sum of GTIs [s]
caldsver	4.7.8	 	ontime0	19058.136703253	Sum of GTIs [s]
date	2018-07-06T12:32:52	Date and time of file creation	ontime1	19058.177743316	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	19055.077723145	Sum of GTIs [s]
			ontime3	19055.118762851	Sum of GTIs [s]
			ontime7	19058.300863266	Sum of GTIs [s]
			l1events	759046	Number of level 1 events

2.1.4 Events

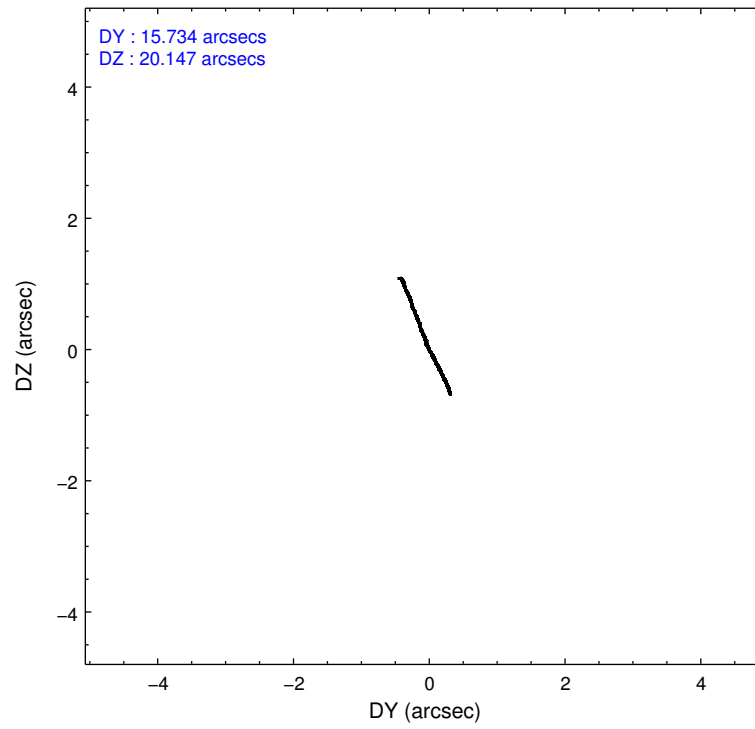
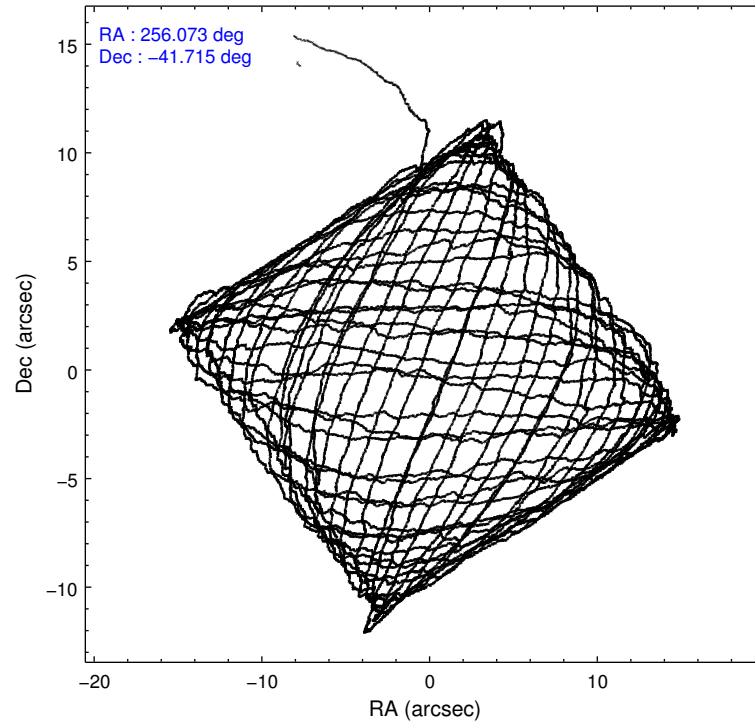
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	132940	151373	146853	140373	187507
rejected events	114821	119881	130030	123367	106172
rejected %	86%	79%	88%	87%	56%

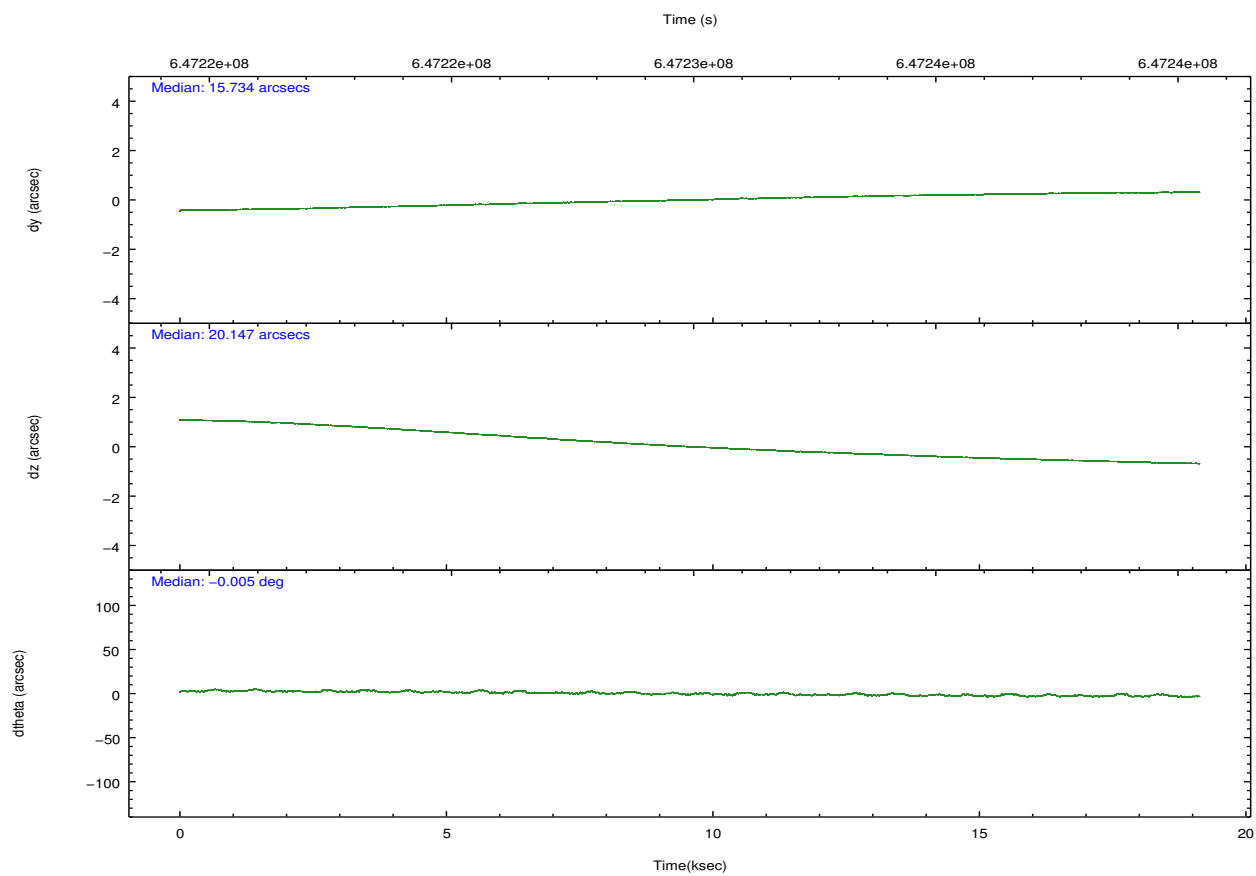
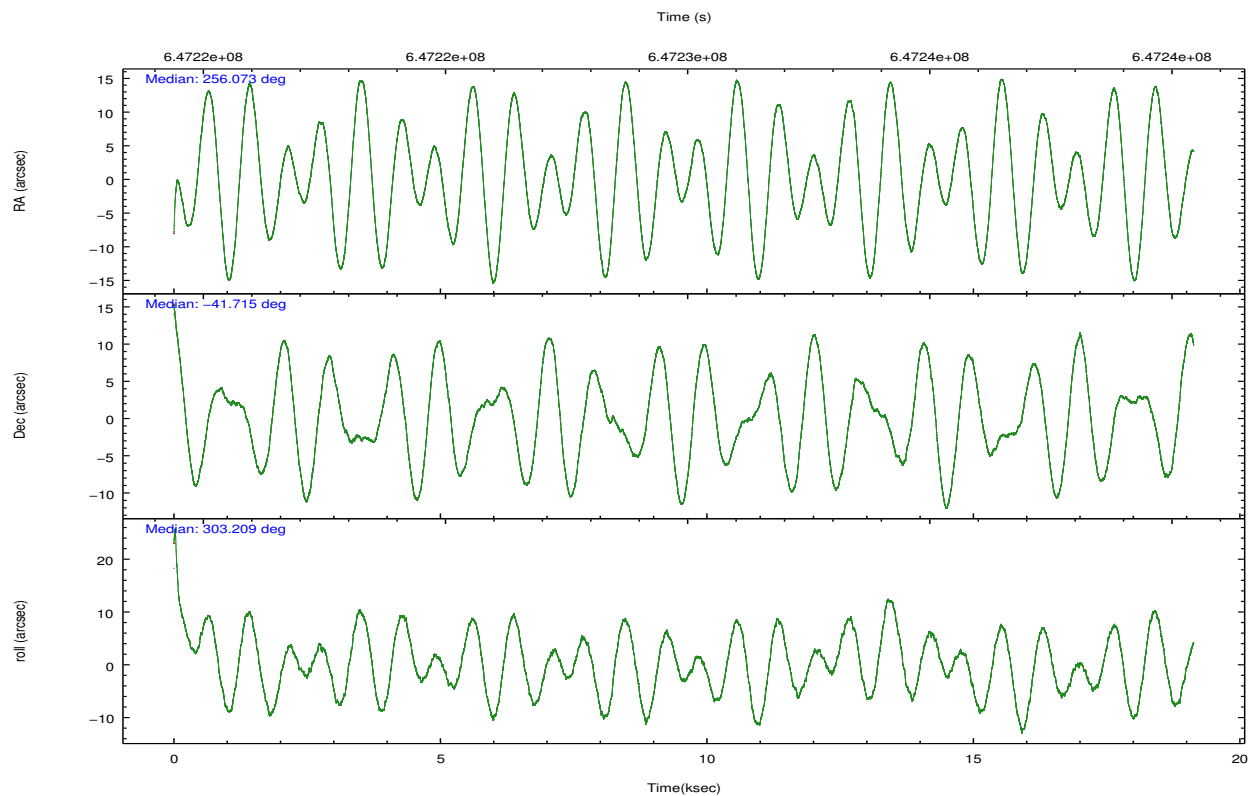
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6992	16886	6629	7013	6990
	5%	11%	4%	4%	3%
grade 1 events	72	131	101	98	252
	0%	0%	0%	0%	0%
grade 2 events	4316	6140	3910	3538	17435
	3%	4%	2%	2%	9%
grade 3 events	1737	2076	1613	1593	6581
	1%	1%	1%	1%	3%
grade 4 events	1660	2044	1558	1688	6609
	1%	1%	1%	1%	3%
grade 5 events	6284	6438	6045	6768	18673
	4%	4%	4%	4%	9%
grade 6 events	3417	4361	3126	3174	43731
	2%	2%	2%	2%	23%
grade 7 events	108462	113297	123871	116501	87236
	81%	74%	84%	82%	46%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	256.040108	256.0731627674706	CCD I2 on	Y	Y
[deg] Pointing Dec	-41.702396	-41.71472432837997	CCD I3 on	Y	Y
[deg] Pointing Roll	302.985433	303.2161250776606	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	647220473.184000	647219295.5127	CCD S5 on	N	N
Observation start date	2018-07-05T23:26:44	2018-07-05T23:08:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	647239473.184000	647240409.48895	On-chip summing requested	N	N
Observation end date	2018-07-06T04:43:24	2018-07-06T05:00:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



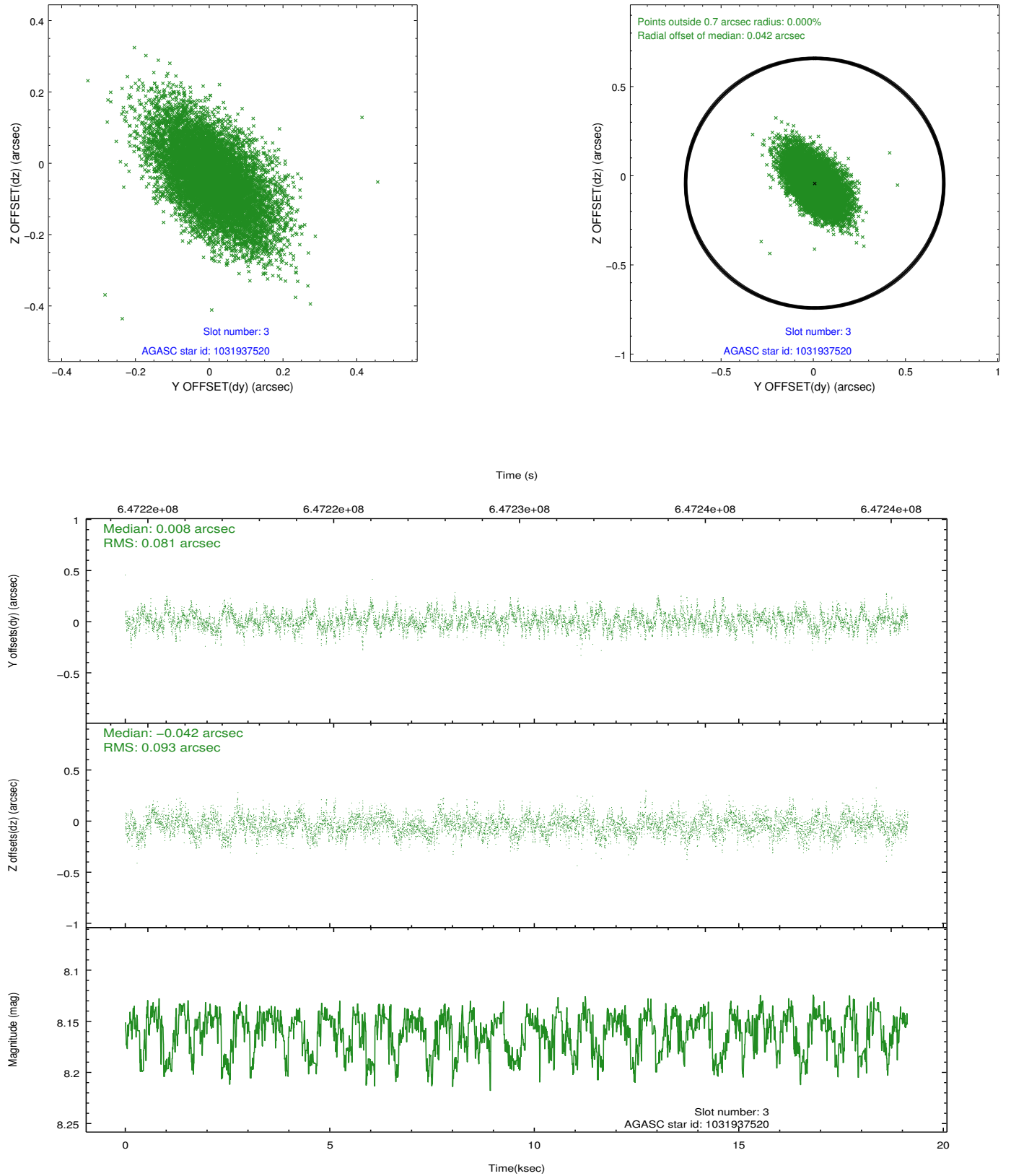


Slot Statistics

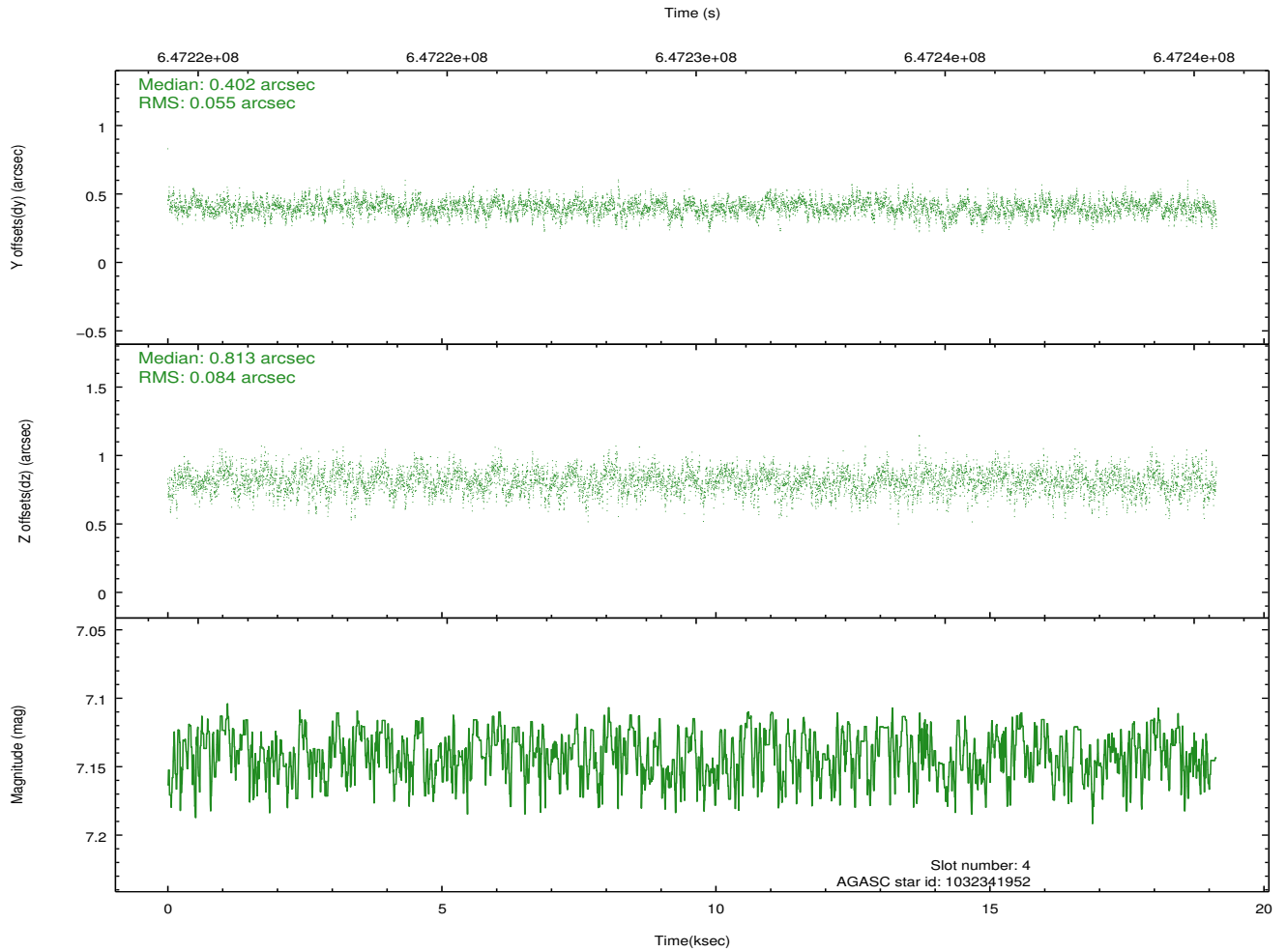
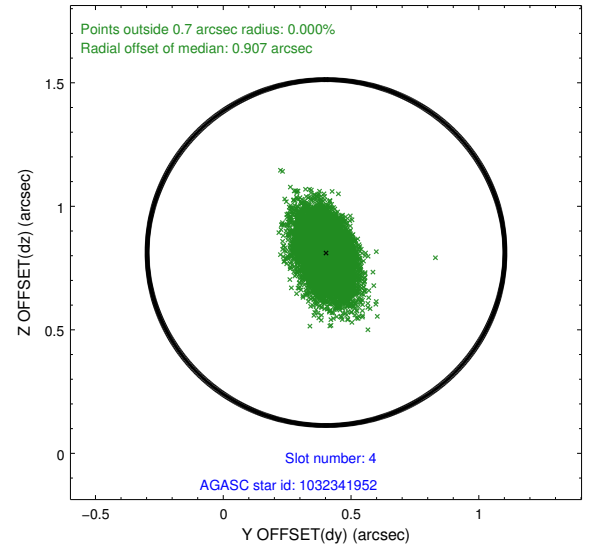
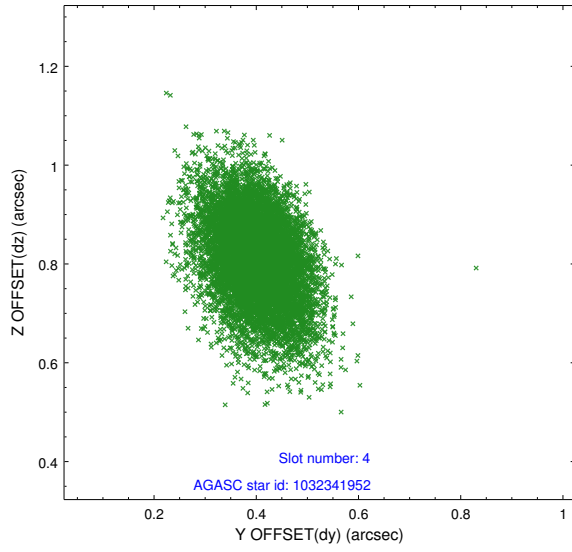
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.20	4667	1.000	0.062	-0.039	0.026	0.038	0.000000	0.000000	923.83	-843
1	FID		ACIS-I-5	7.19	4667	1.000	-0.354	0.022	0.014	0.027	0.000000	0.000000	-1824.68	1053
2	FID		ACIS-I-6	7.20	4667	1.000	0.201	0.086	0.020	0.029	0.000000	0.000000	389.16	1698
3	GUIDE	used	1031937520	8.16	9332	1.000	0.008	-0.042	0.127	0.223	256.333720	-41.104608	-1370.51	1838
4	GUIDE	used	1032341952	7.14	9333	1.000	0.402	0.813	0.104	0.181	254.946907	-41.627000	-1812.73	-2329
5	GUIDE	used	1032454880	7.79	9328	1.000	0.135	-0.066	0.109	0.196	255.805803	-42.215139	1209.43	-1529
6	GUIDE	used	1032462424	7.98	9331	1.000	-0.459	-0.502	0.130	0.228	257.030418	-41.723974	1529.32	2174
7	GUIDE	used	1032461400	8.84	9328	1.000	-0.087	-0.200	0.151	0.245	256.843727	-41.417736	330.18	2372

2.4 Star Slots

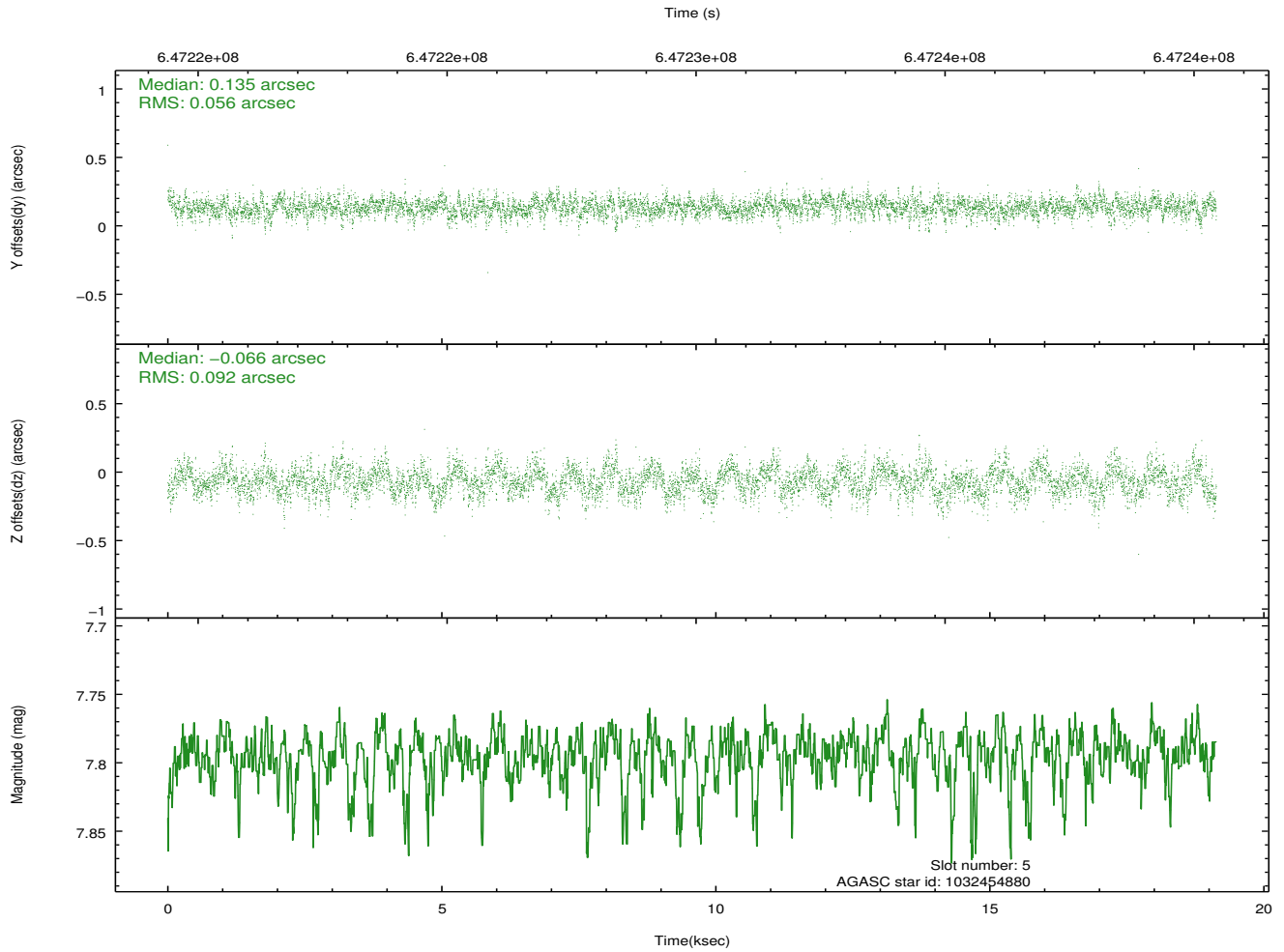
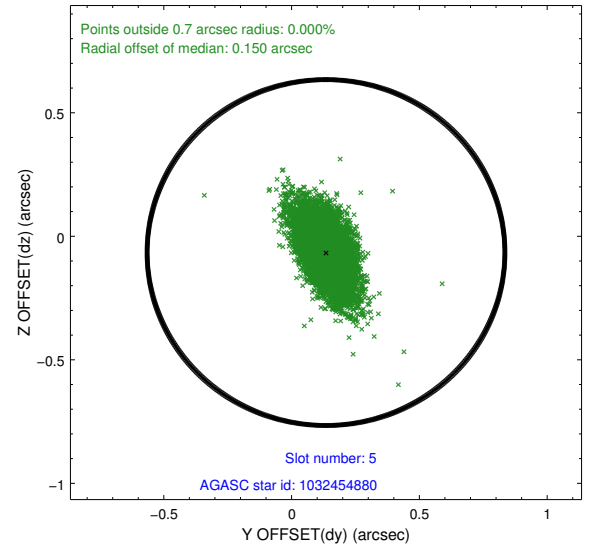
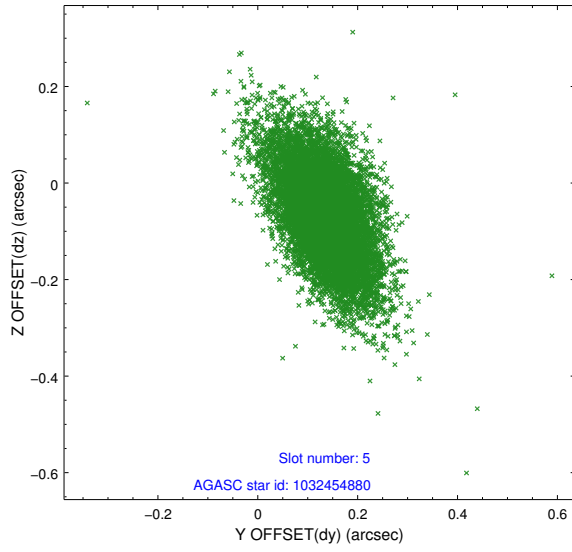
2.4.1 Slot 3



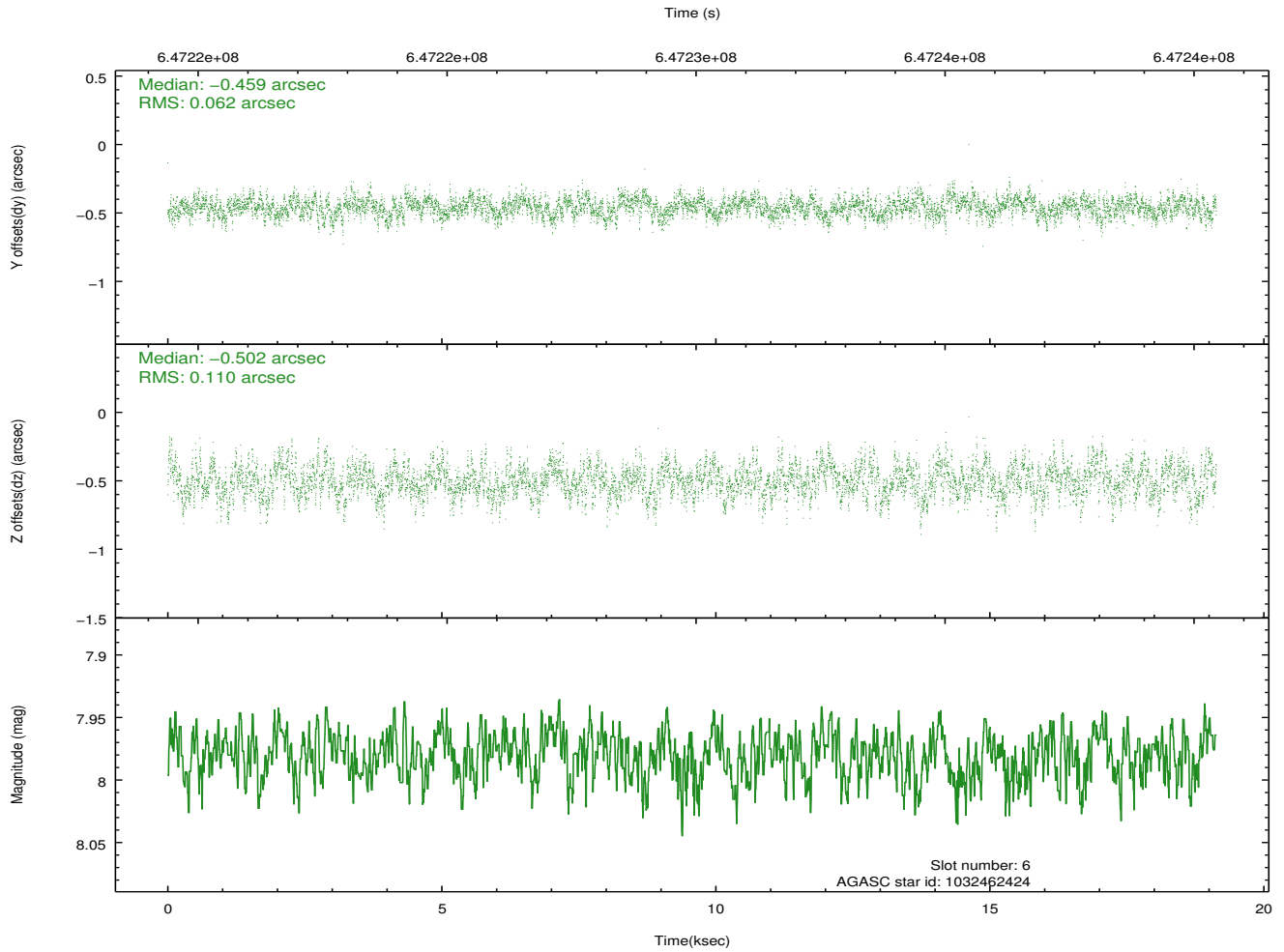
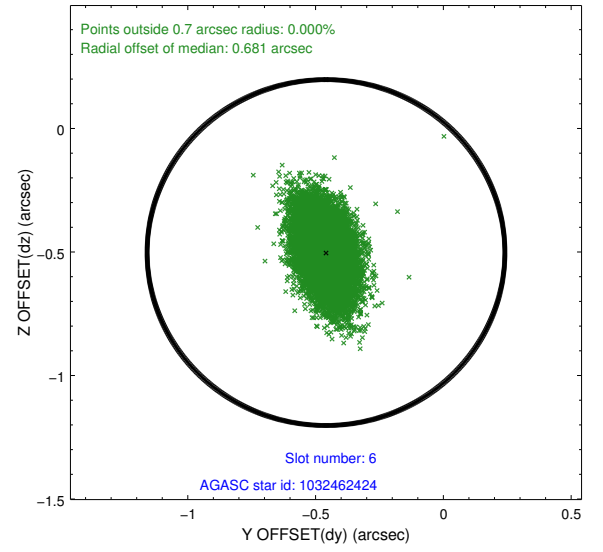
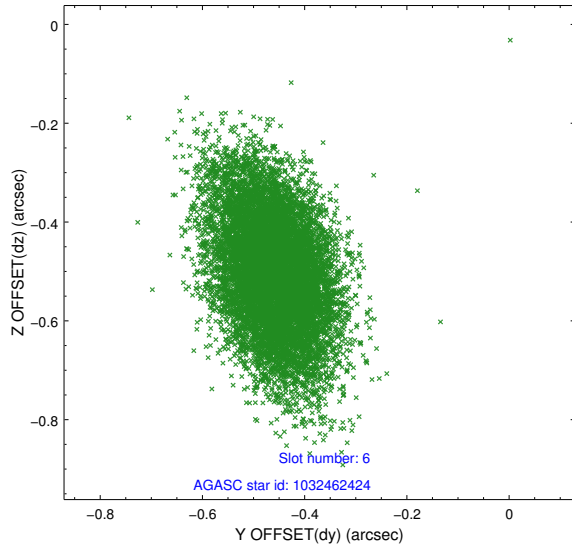
2.4.2 Slot 4



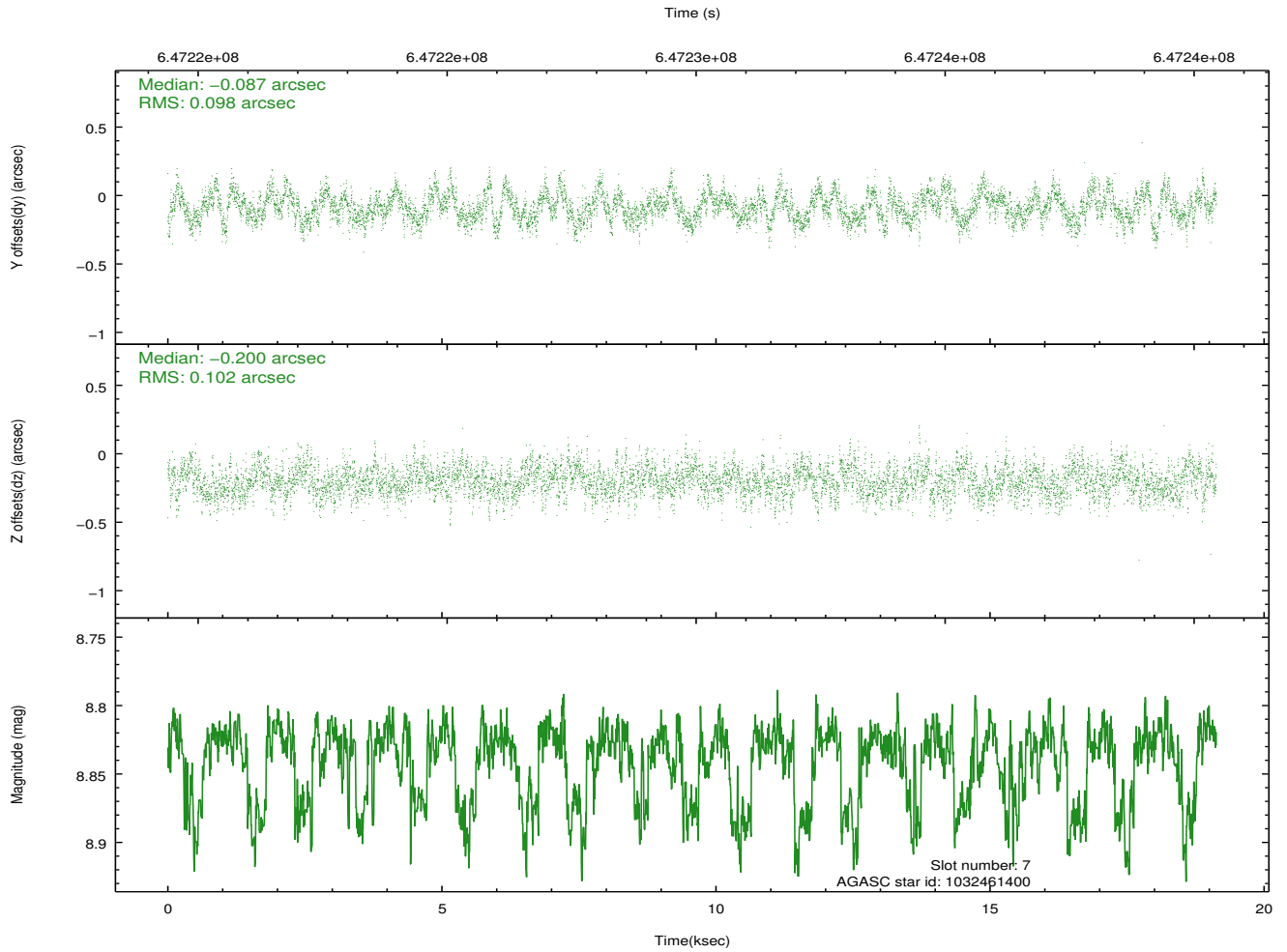
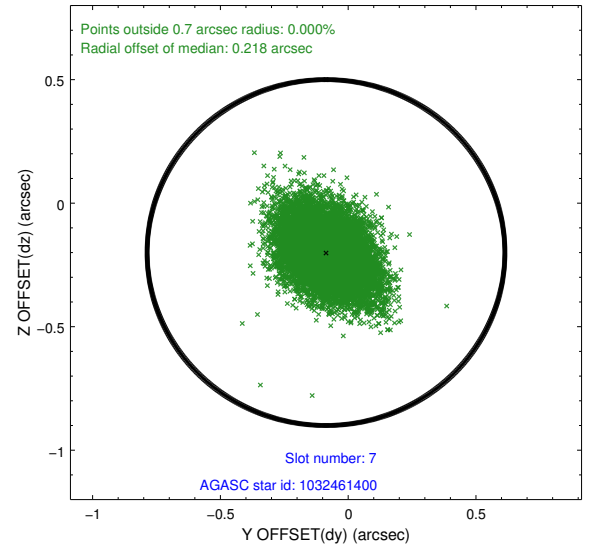
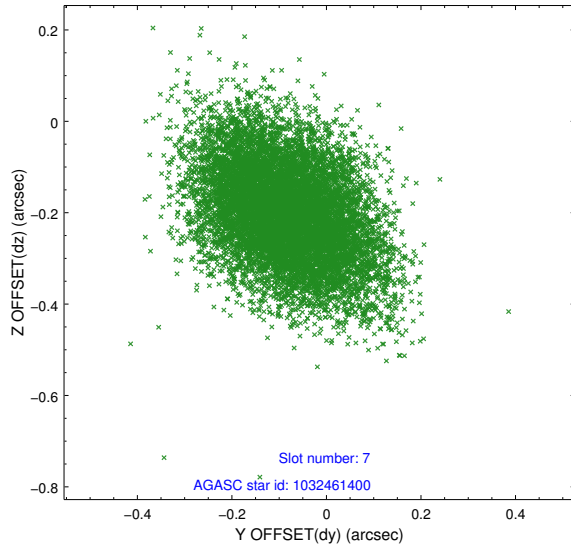
2.4.3 Slot 5



2.4.4 Slot 6

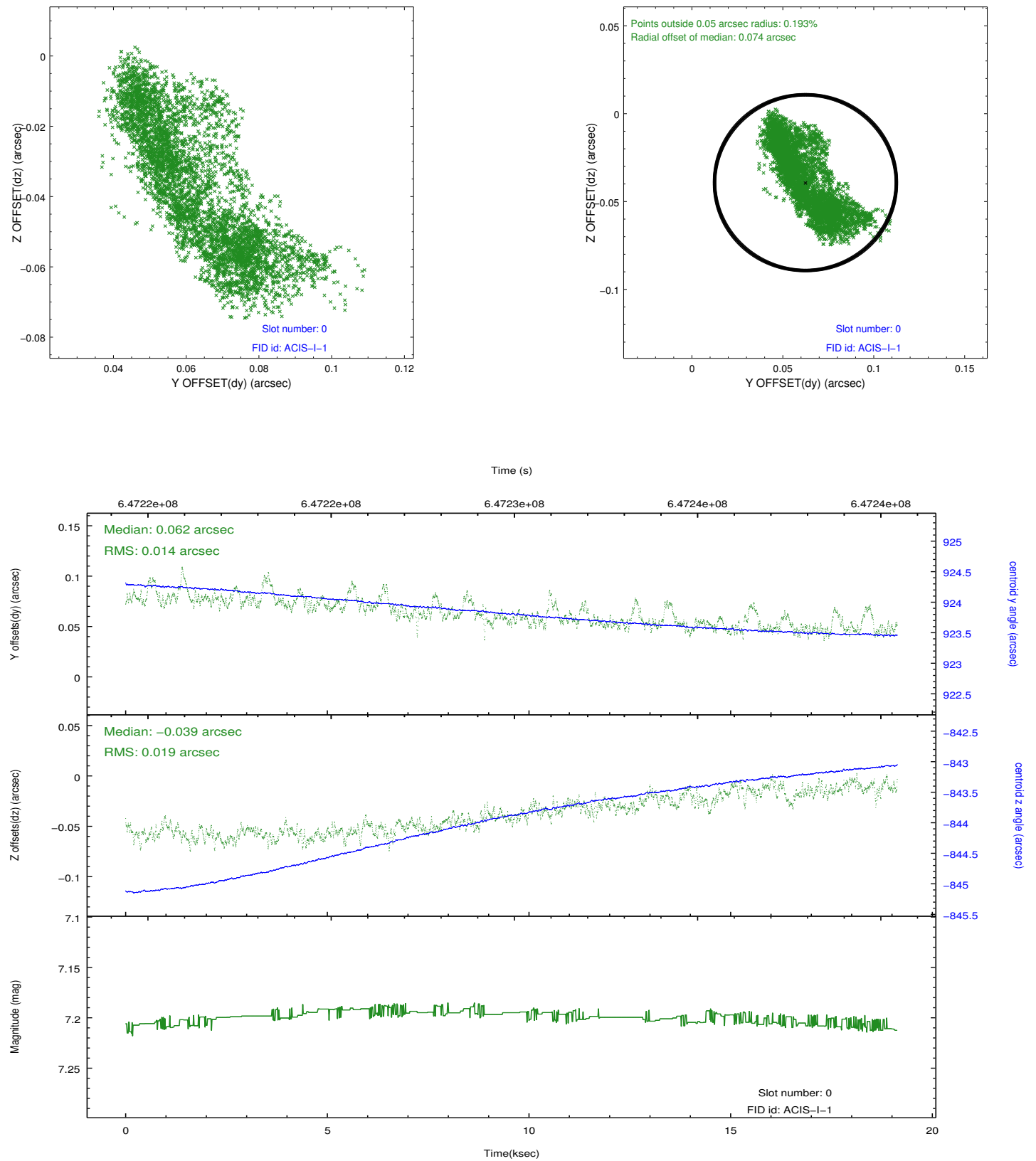


2.4.5 Slot 7

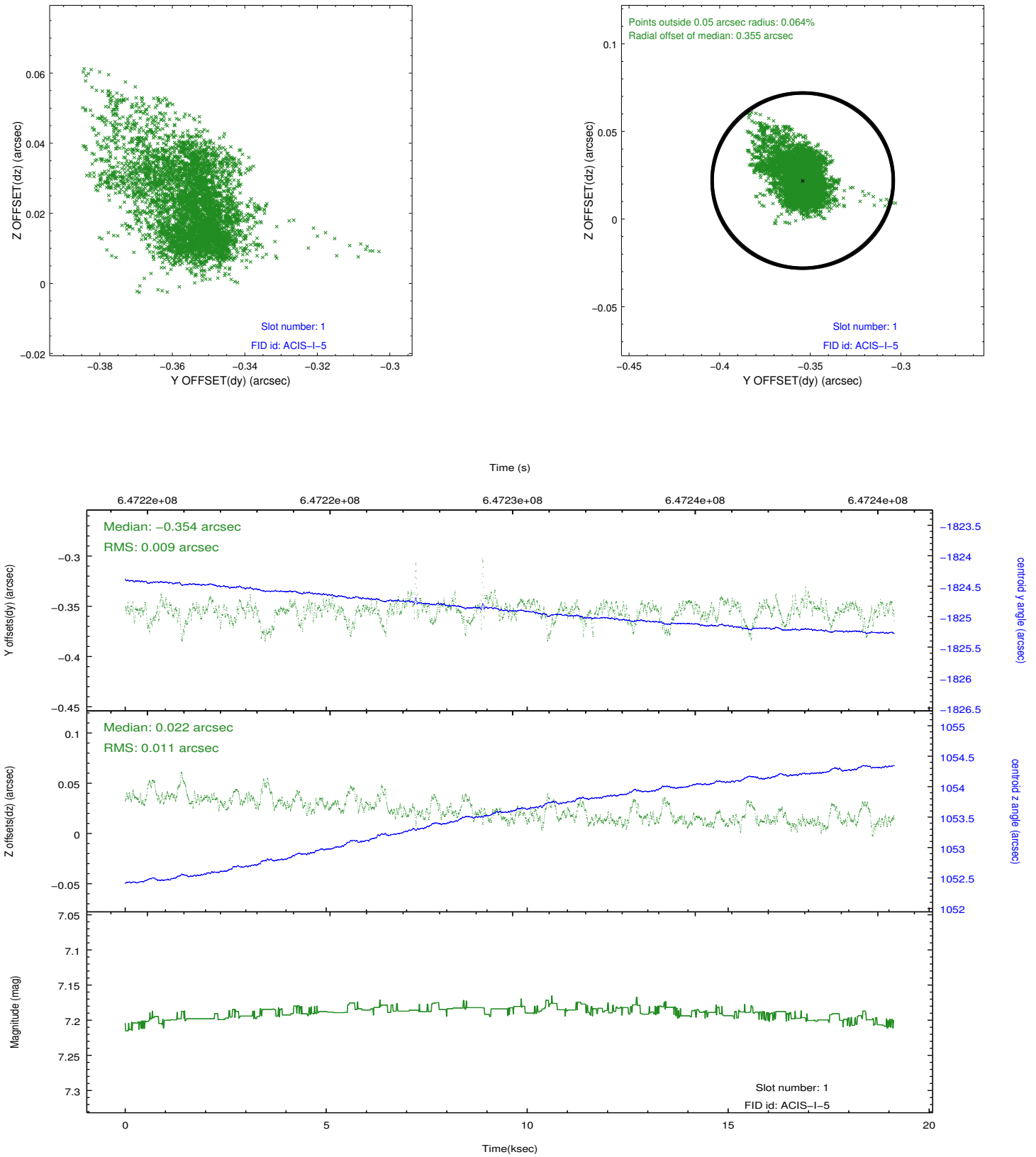


2.5 FID Slots

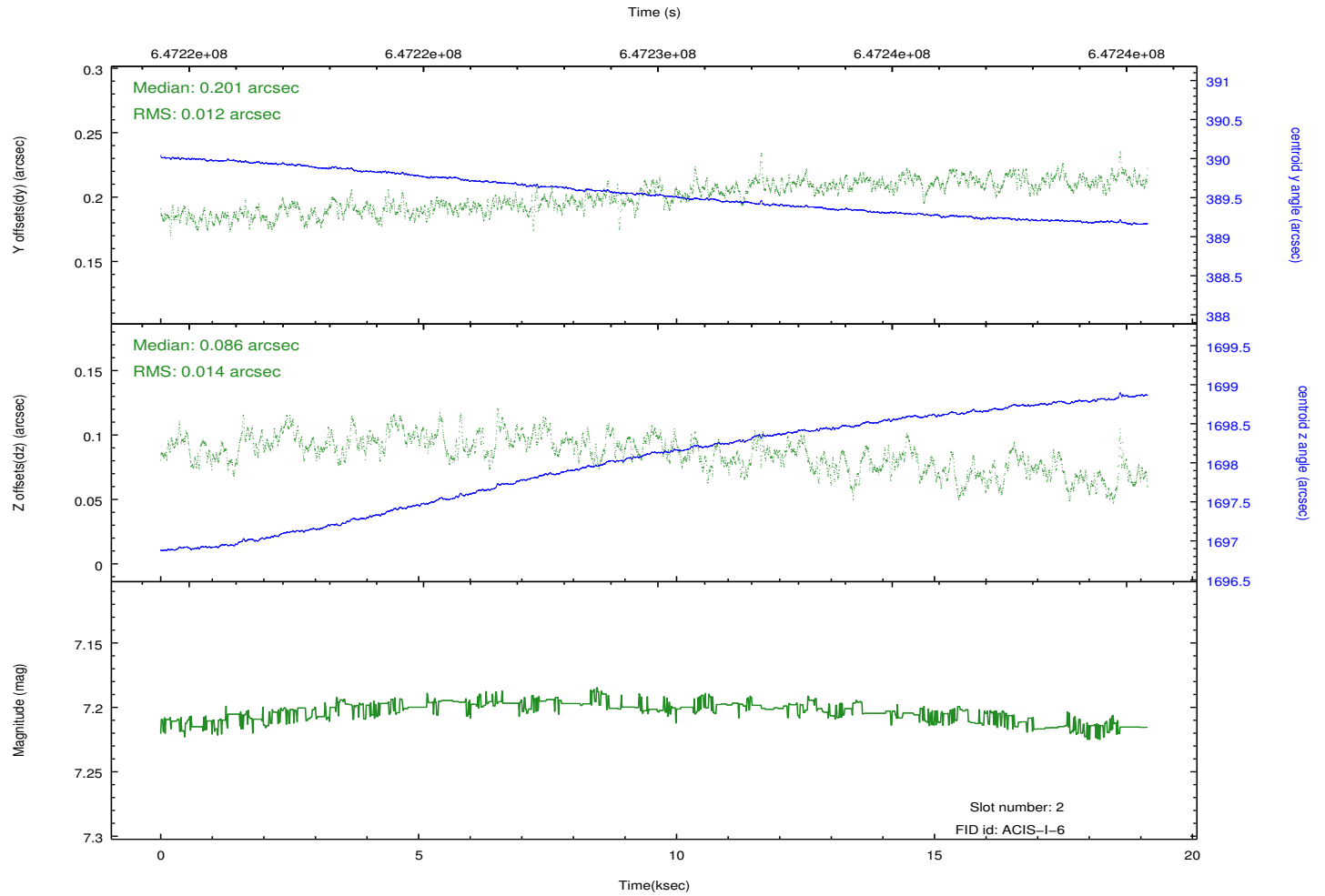
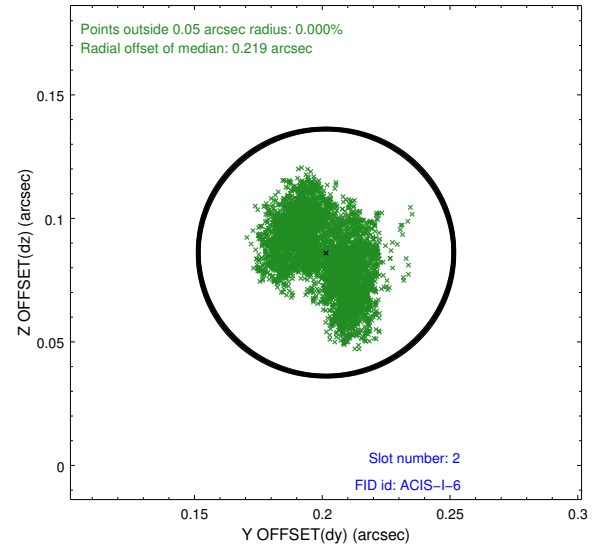
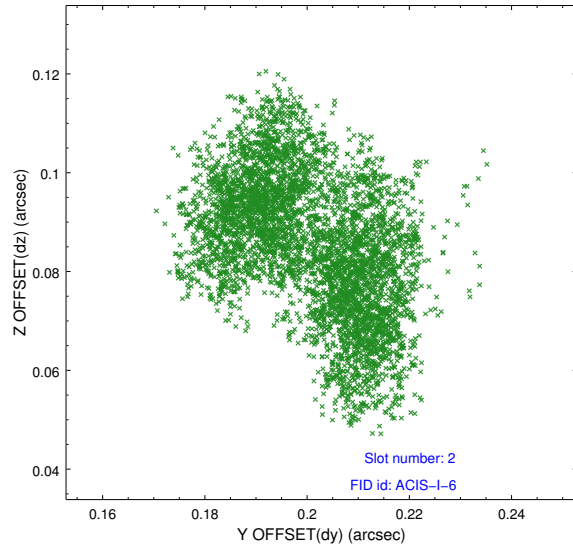
2.5.1 Slot 0



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)	2018.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.055118762851

A.2 Comments