

V&V Reference Report

L2 ASCDS Version : 10.6.3

Observation 21096 - L2 Version 1
Chandra X-Ray Center

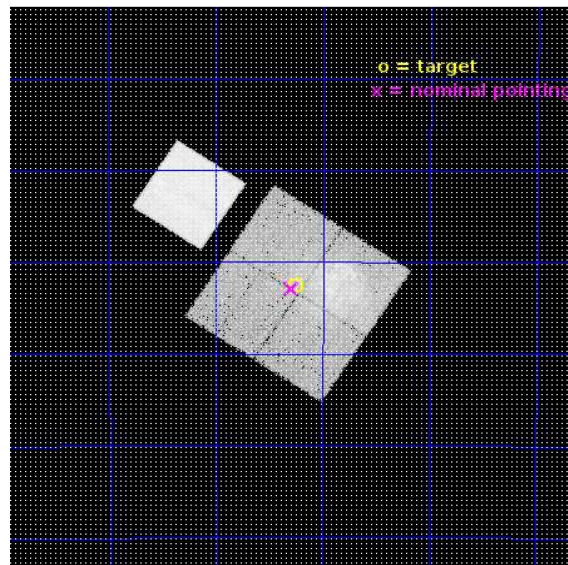
L2 Processing Date : Jul 3 2018

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

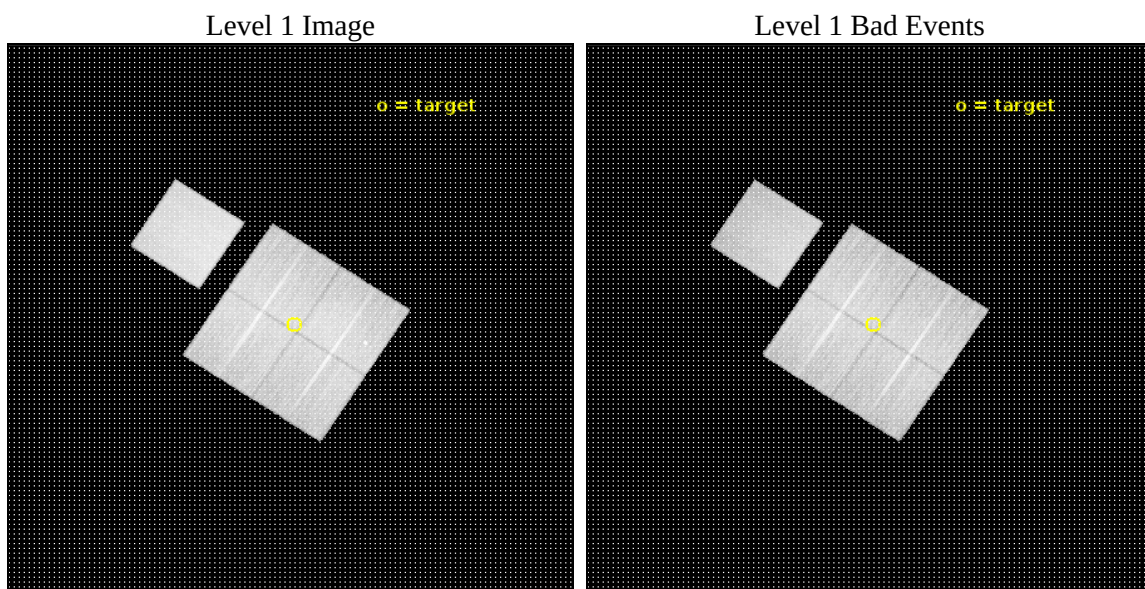
seq_num	503004	Sequence number
obs_id	21096	Observation id
title	Elemental Distribution in the Evolved Type Ia SNR G344.7-0.1	Propo
observer	Hiroya Yamaguchi	Principal investigator
object	G344.7-0.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.062	Observer's specified target RA [deg]
dec_targ	-41.71	Observer's specified target Dec [deg]
ra_nom	256.07340619987	Nominal RA [deg]
dec_nom	-41.714858473625	Nominal Dec [deg]
roll_nom	303.21628644539	Nominal Roll [deg]
revision	1	Processing version of data
ontime	27558.867869496	Sum of GTIs [s]
livetime	27198.790972238	Livetime [s]
ontime0	27558.744749427	Sum of GTIs [s]
ontime1	27558.78578949	Sum of GTIs [s]
ontime2	27558.826829433	Sum of GTIs [s]
ontime3	27558.867869496	Sum of GTIs [s]
ontime7	27558.90890944	Sum of GTIs [s]
l2events	218772	Number of level 2 events



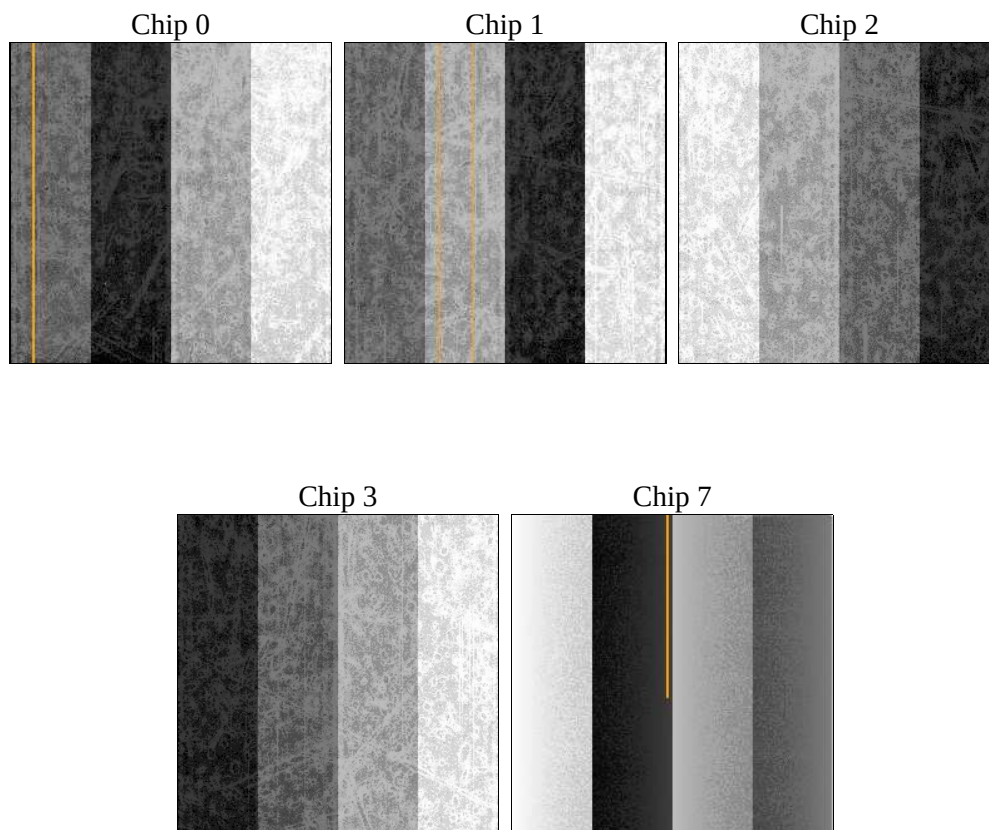
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27500.000000	[s] Scheduled observation exposure time
ascdsver	10.6.3	Processing system revision	ontime	27558.867869496	Sum of GTIs [s]
caldsver	4.7.8	 	ontime0	27558.744749427	Sum of GTIs [s]
date	2018-07-03T20:30:14	Date and time of file creation	ontime1	27558.78578949	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	27558.826829433	Sum of GTIs [s]
			ontime3	27558.867869496	Sum of GTIs [s]
			ontime7	27558.90890944	Sum of GTIs [s]
			l1events	1086864	Number of level 1 events

2.1.4 Events

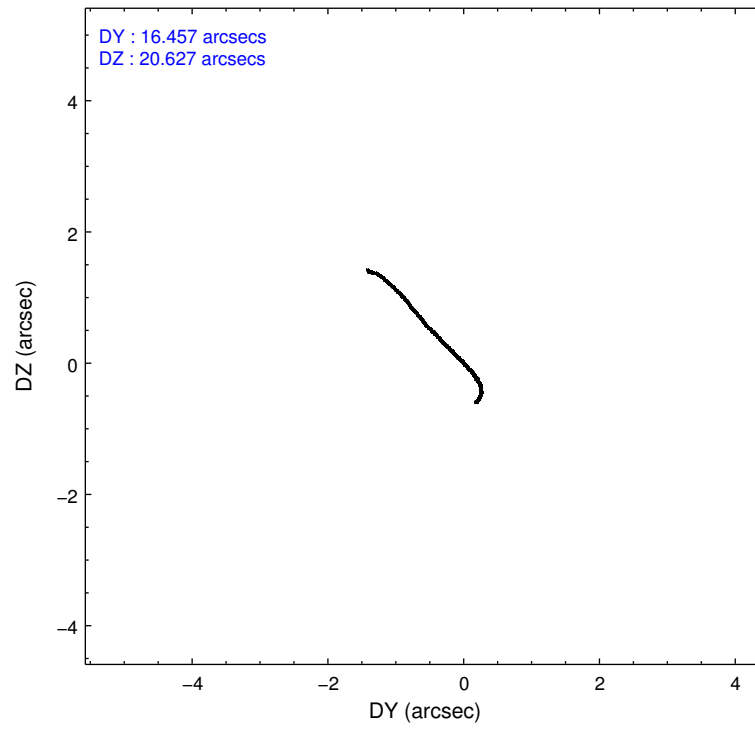
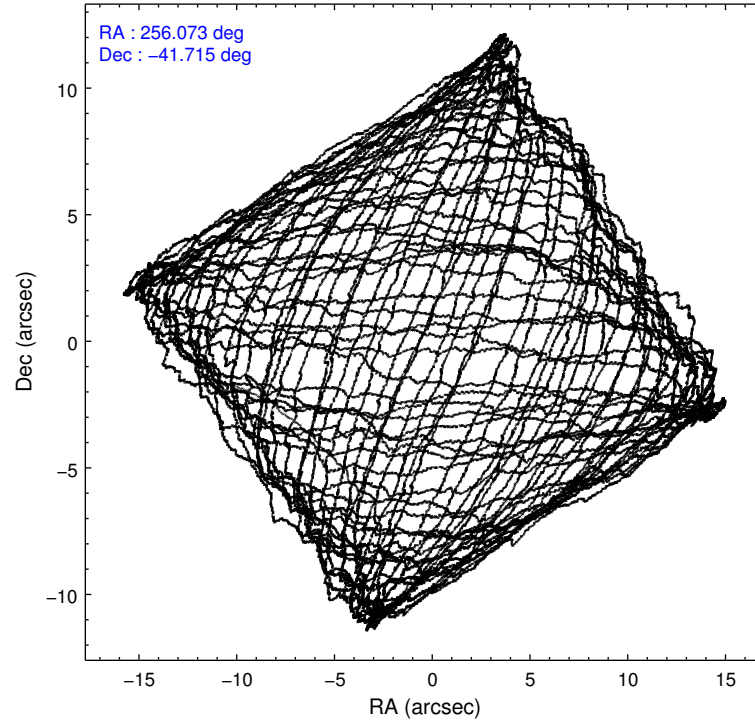
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	188278	215944	210549	200998	271095
rejected events	162228	169953	186249	176069	152615
rejected %	86%	78%	88%	87%	56%

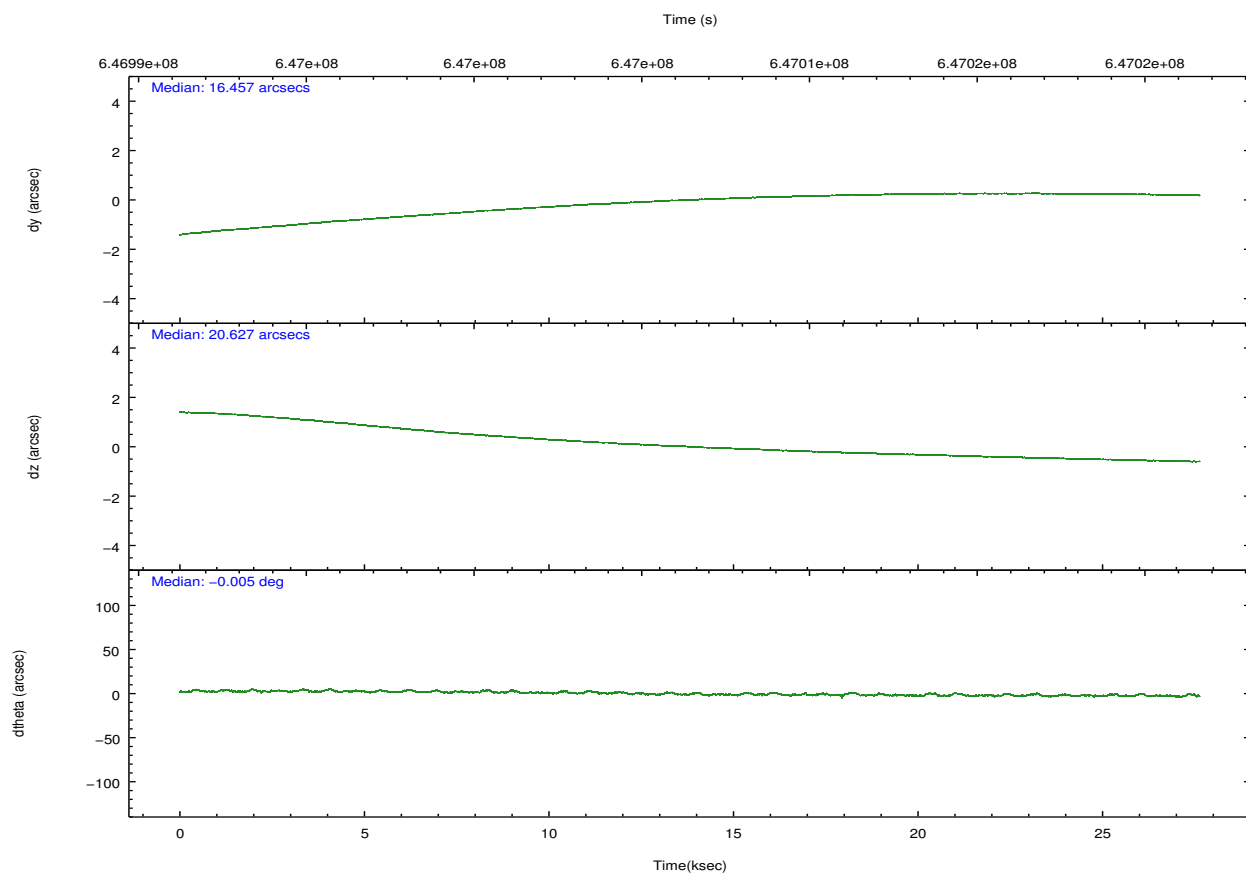
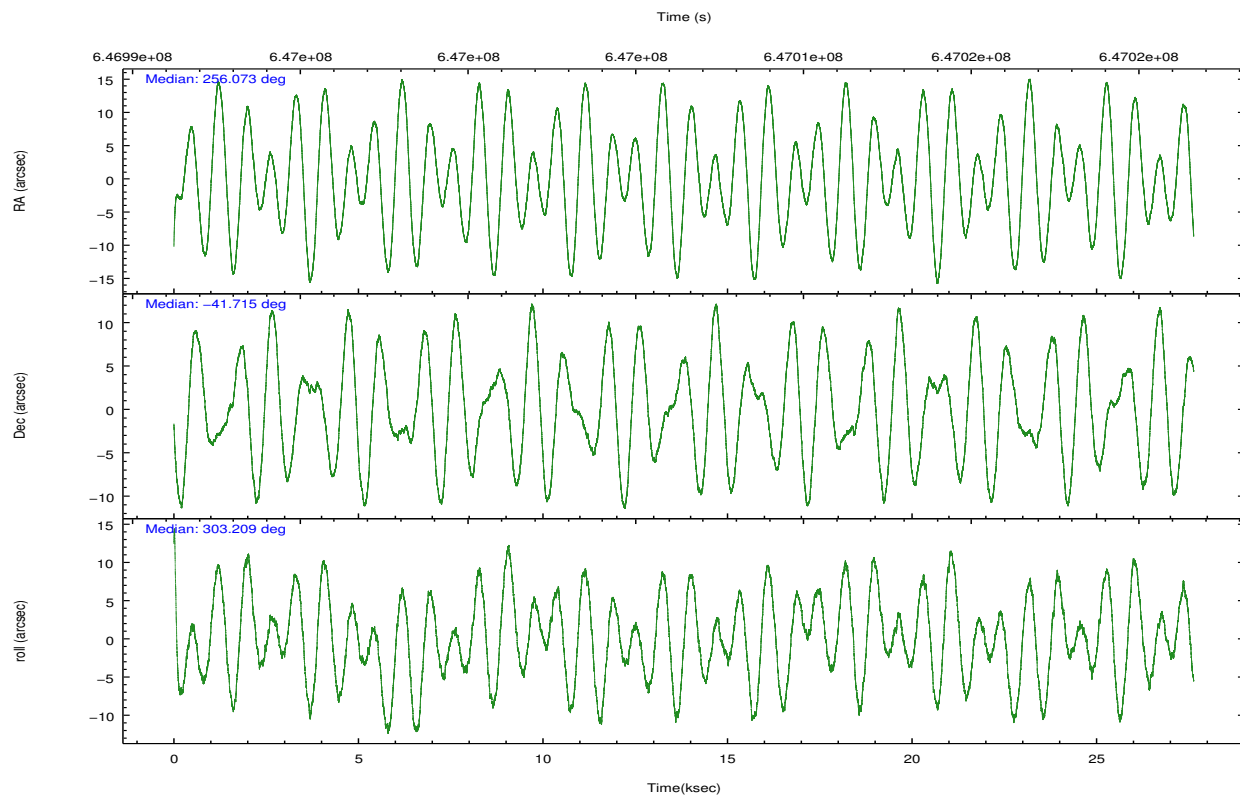
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	9922	25070	9178	9942	10076
	5%	11%	4%	4%	3%
grade 1 events	129	185	142	123	391
	0%	0%	0%	0%	0%
grade 2 events	6202	8586	5777	5304	25562
	3%	3%	2%	2%	9%
grade 3 events	2560	3088	2234	2429	9775
	1%	1%	1%	1%	3%
grade 4 events	2372	3028	2403	2432	9568
	1%	1%	1%	1%	3%
grade 5 events	9004	9326	8726	10105	27114
	4%	4%	4%	5%	10%
grade 6 events	4996	6223	4710	4822	63513
	2%	2%	2%	2%	23%
grade 7 events	153093	160438	177379	165841	125096
	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	256.040334	256.0734061998689	CCD I2 on	Y	Y
[deg] Pointing Dec	-41.702484	-41.71485847362466	CCD I3 on	Y	Y
[deg] Pointing Roll	302.985586	303.2162864453934	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)	646992762.184000	646991584.06173	CCD S5 on	N	N
Observation start date	2018-07-03T08:11:33	2018-07-03T07:53:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	647020262.184000	647021198.36348	On-chip summing requested	N	N
Observation end date	2018-07-03T15:49:53	2018-07-03T16:06:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



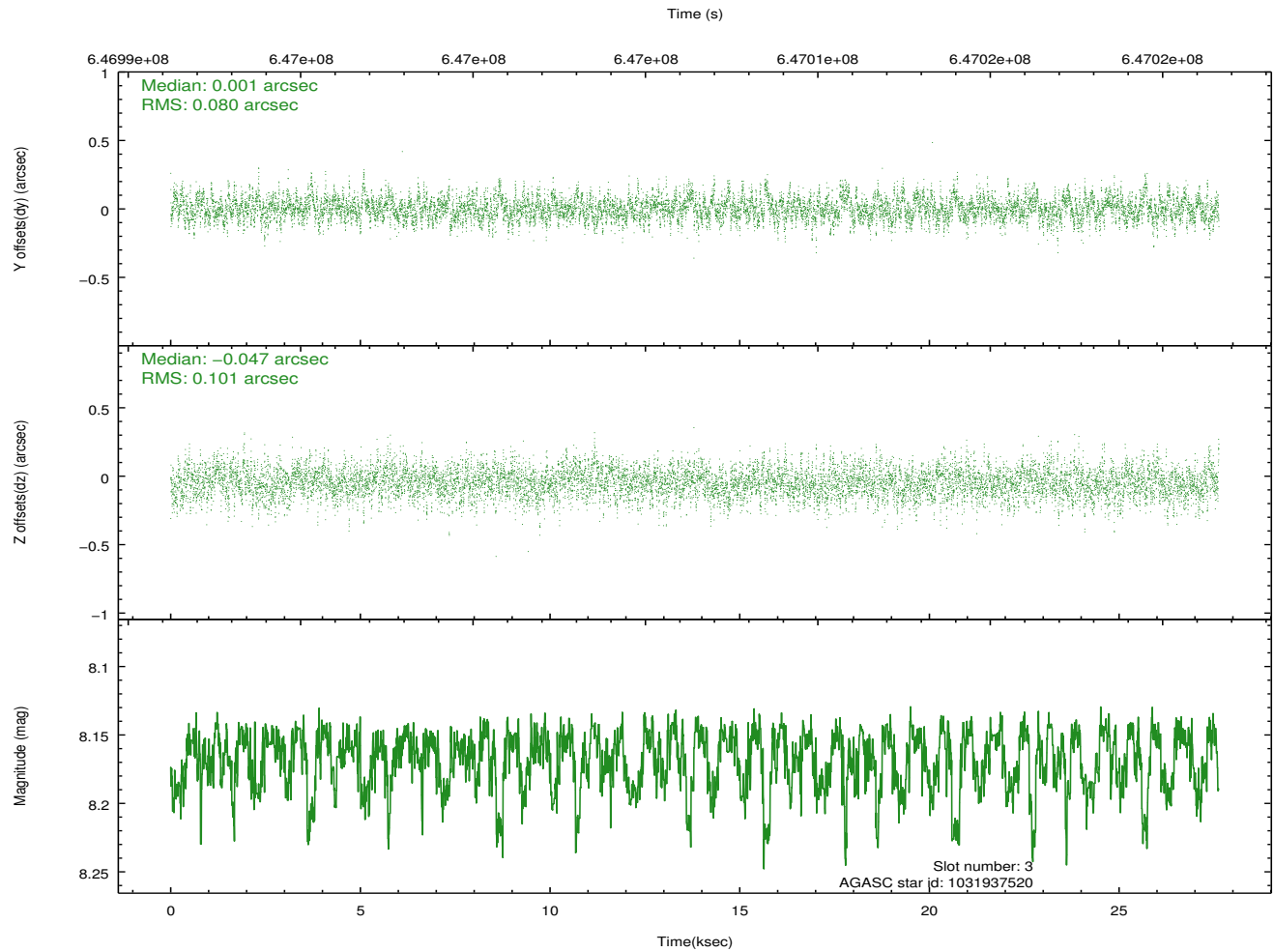
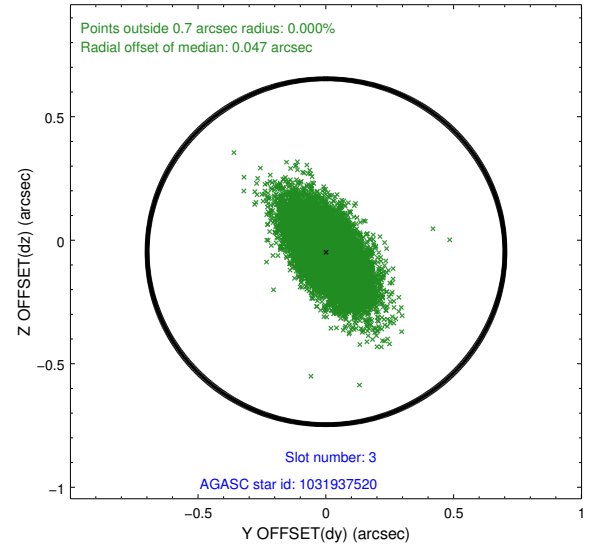
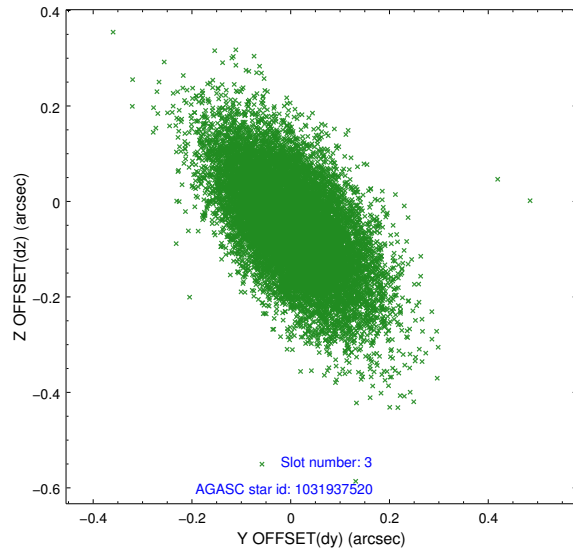


Slot Statistics

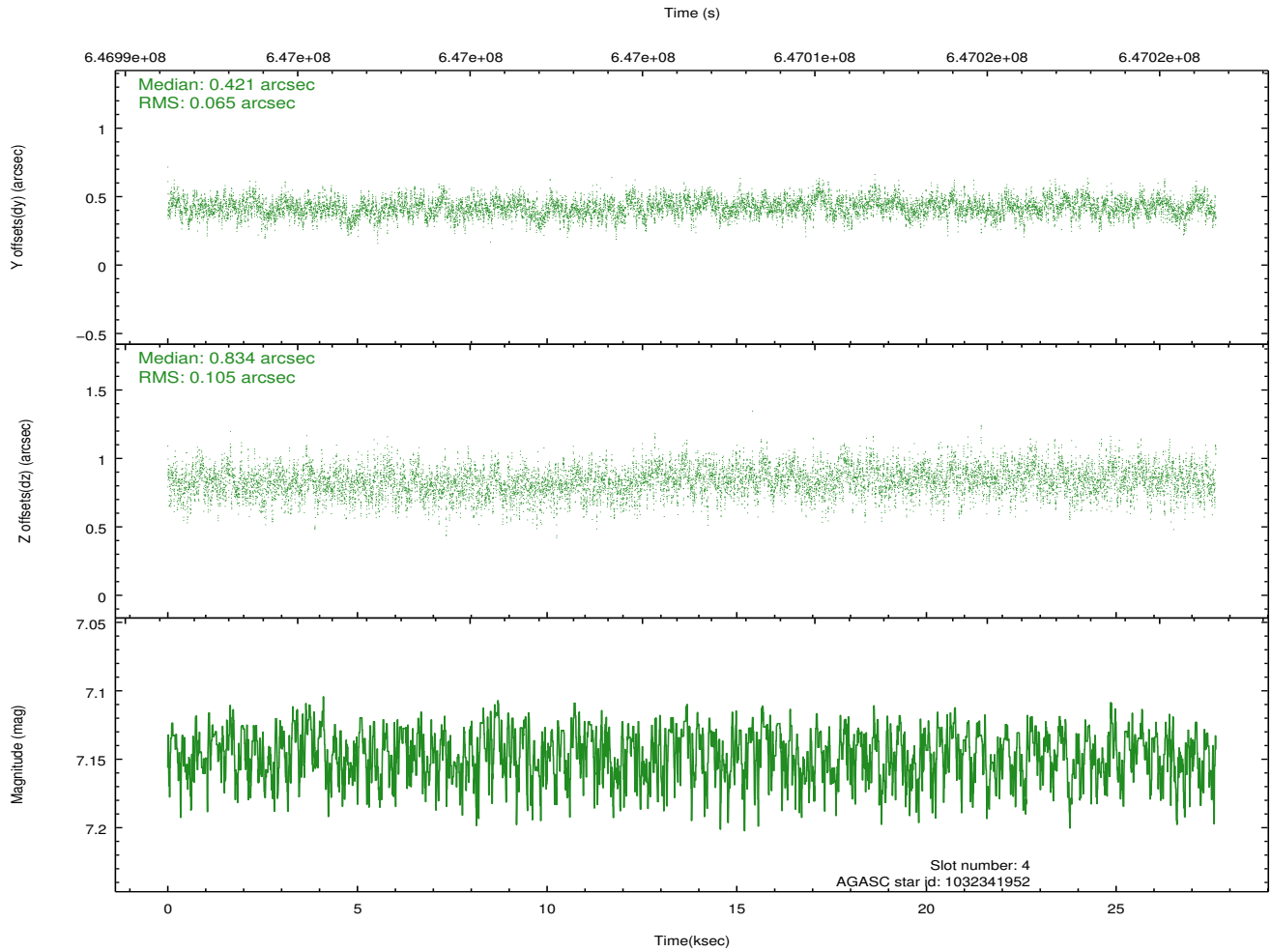
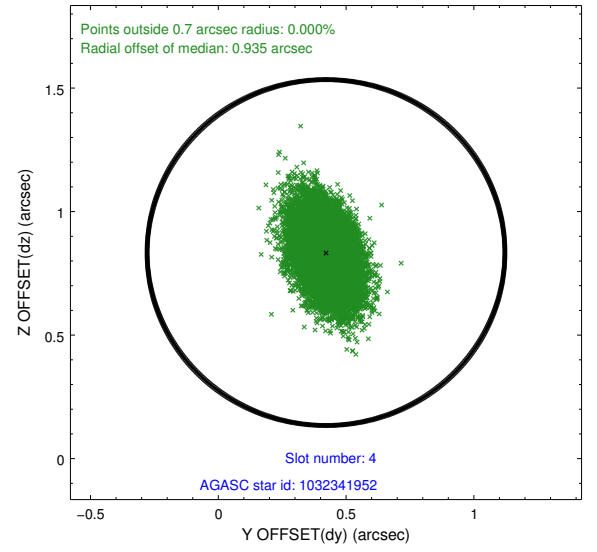
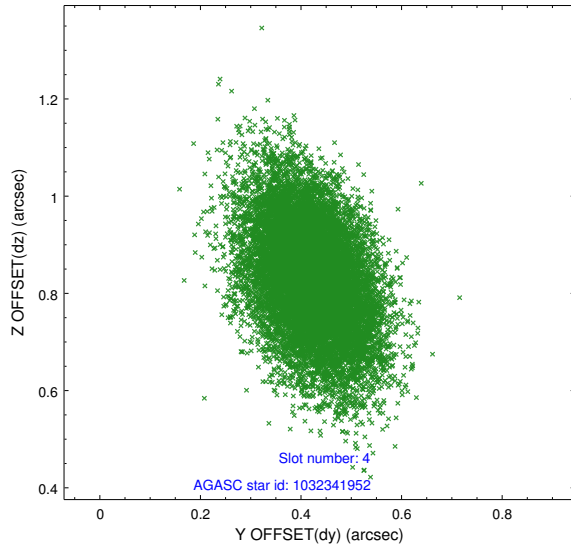
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.15	6740	1.000	0.074	-0.050	0.016	0.025	0.000000	0.000000	923.29	-844
1	FID		ACIS-I-5	7.14	6739	1.000	-0.363	0.027	0.019	0.029	0.000000	0.000000	-1825.30	1052
2	FID		ACIS-I-6	7.15	6740	1.000	0.203	0.097	0.024	0.048	0.000000	0.000000	388.74	1697
3	GUIDE	used	1031937520	8.17	13476	1.000	0.001	-0.047	0.131	0.236	256.333720	-41.104608	-1371.26	1838
4	GUIDE	used	1032341952	7.15	13478	1.000	0.421	0.834	0.128	0.224	254.946907	-41.627000	-1813.40	-2329
5	GUIDE	used	1032454880	7.80	13476	1.000	0.132	-0.081	0.119	0.217	255.805803	-42.215139	1208.75	-1529
6	GUIDE	used	1032462424	7.99	13475	1.000	-0.459	-0.524	0.140	0.251	257.030418	-41.723974	1528.53	2174
7	GUIDE	used	1032461400	8.84	13467	1.000	-0.090	-0.183	0.156	0.267	256.843727	-41.417736	329.37	2372

2.4 Star Slots

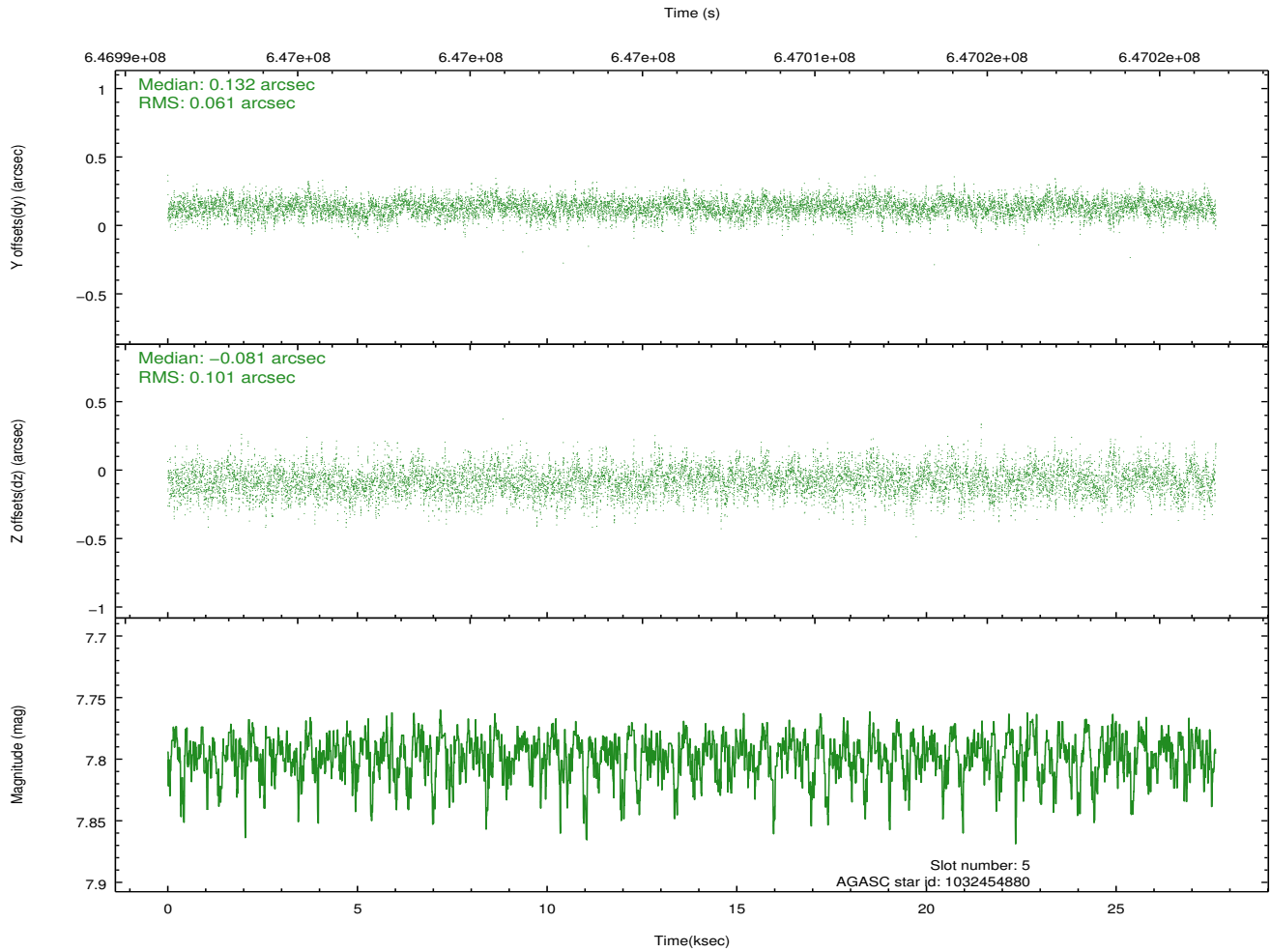
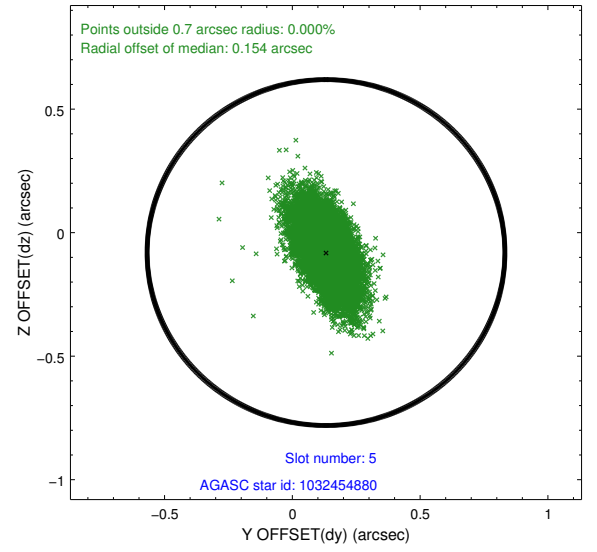
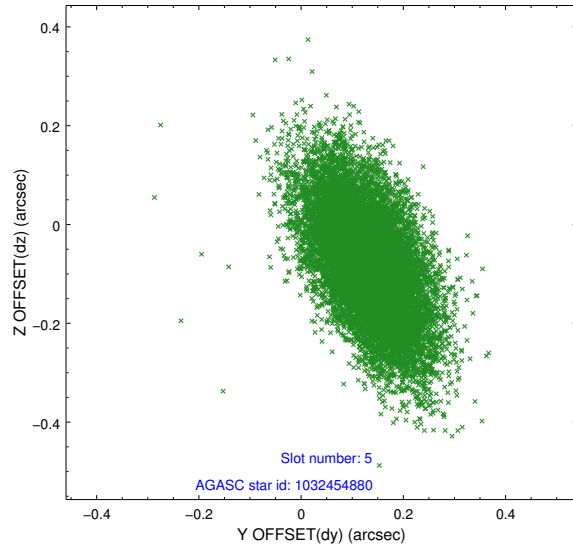
2.4.1 Slot 3



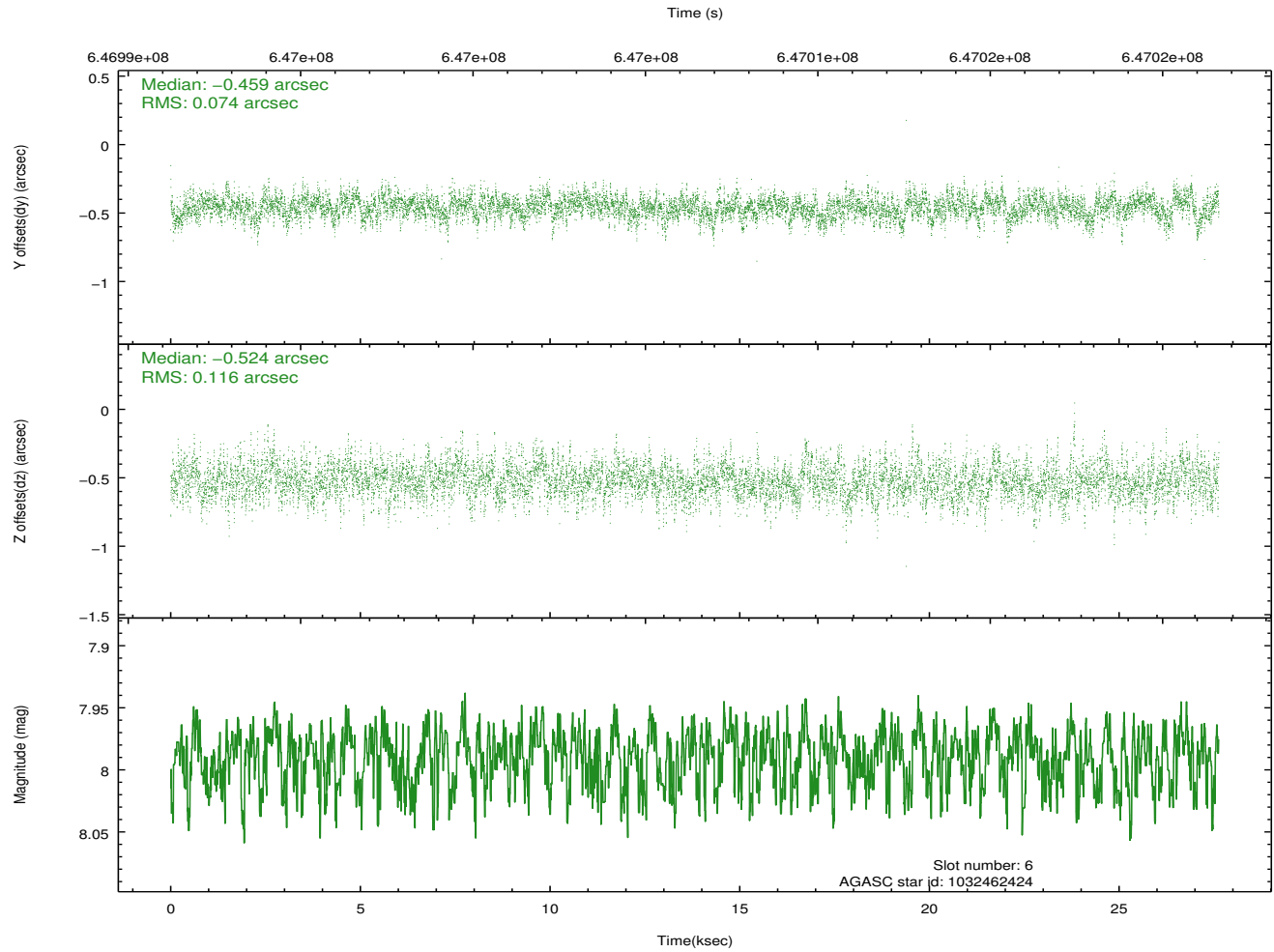
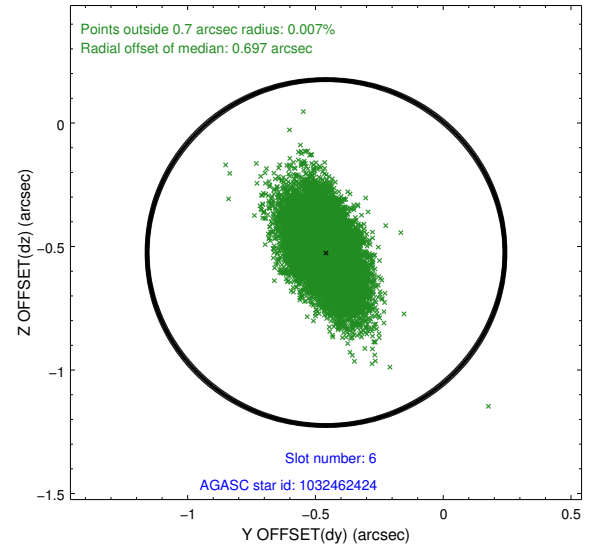
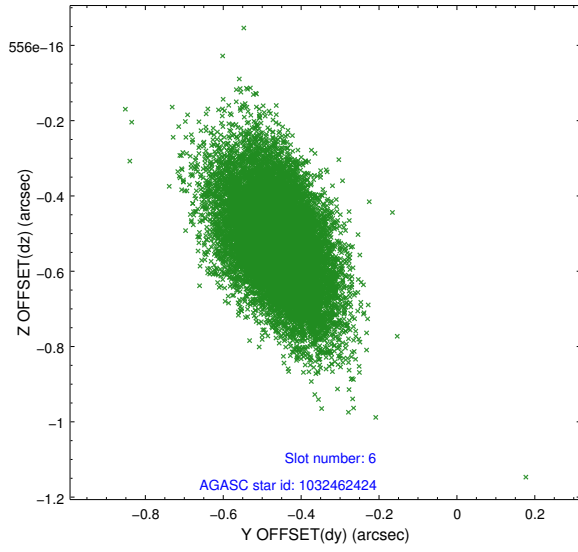
2.4.2 Slot 4



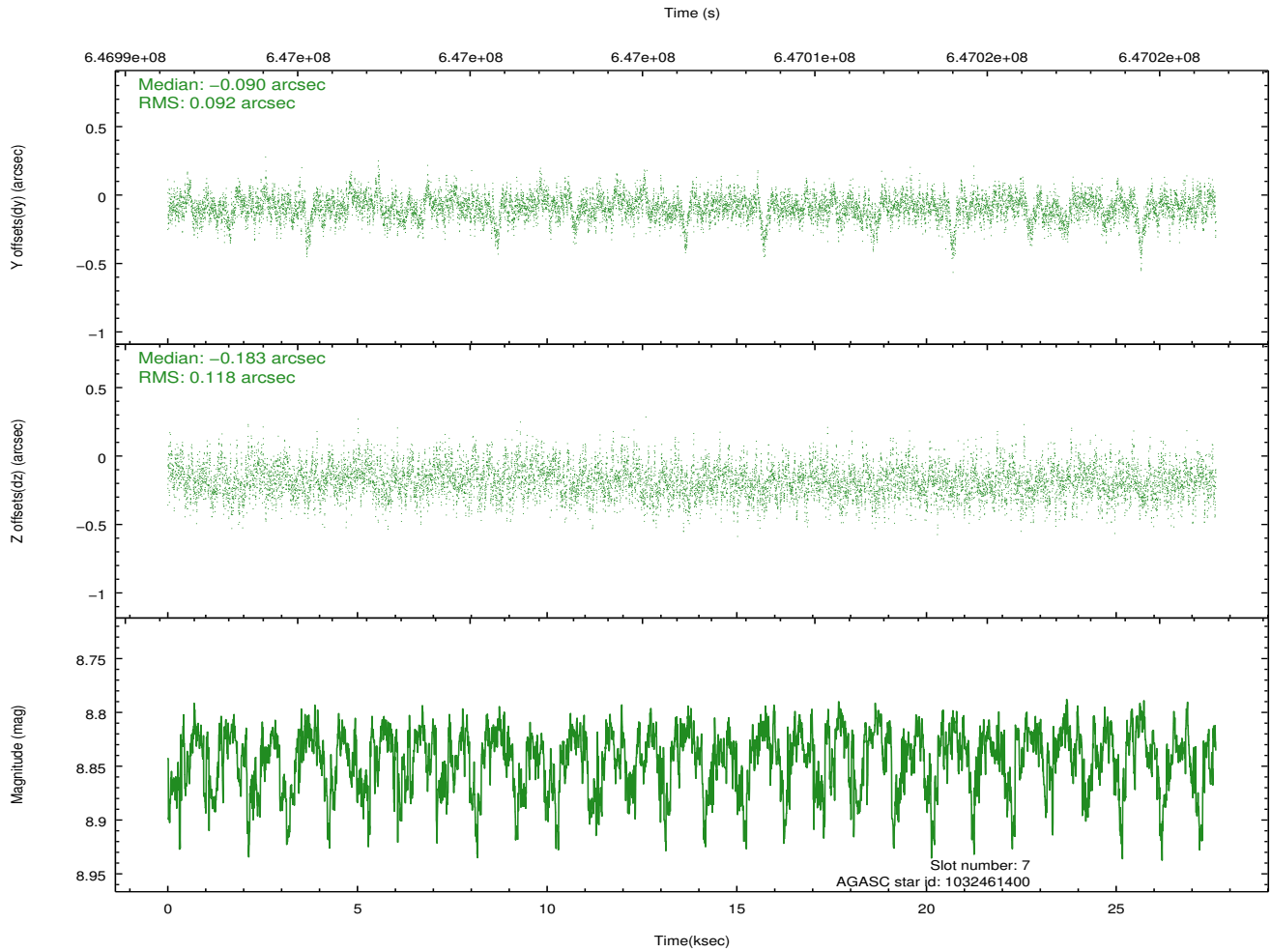
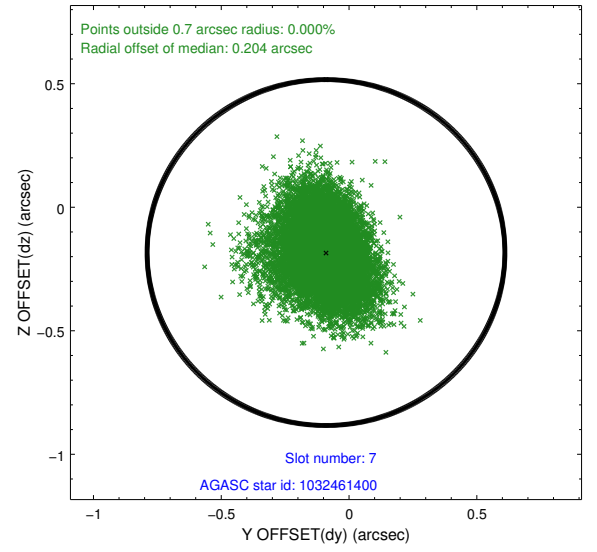
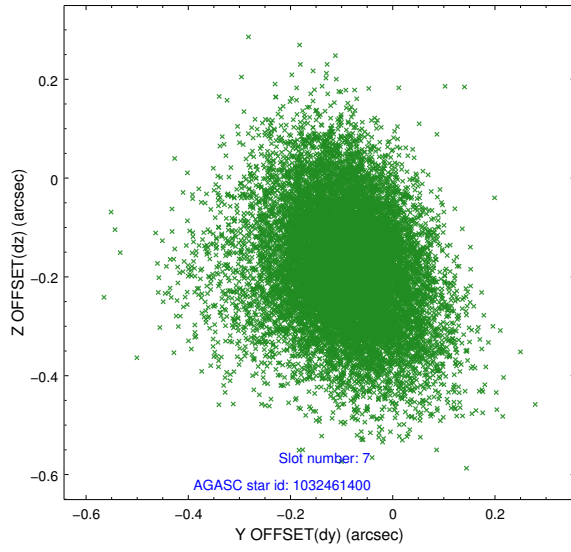
2.4.3 Slot 5



2.4.4 Slot 6

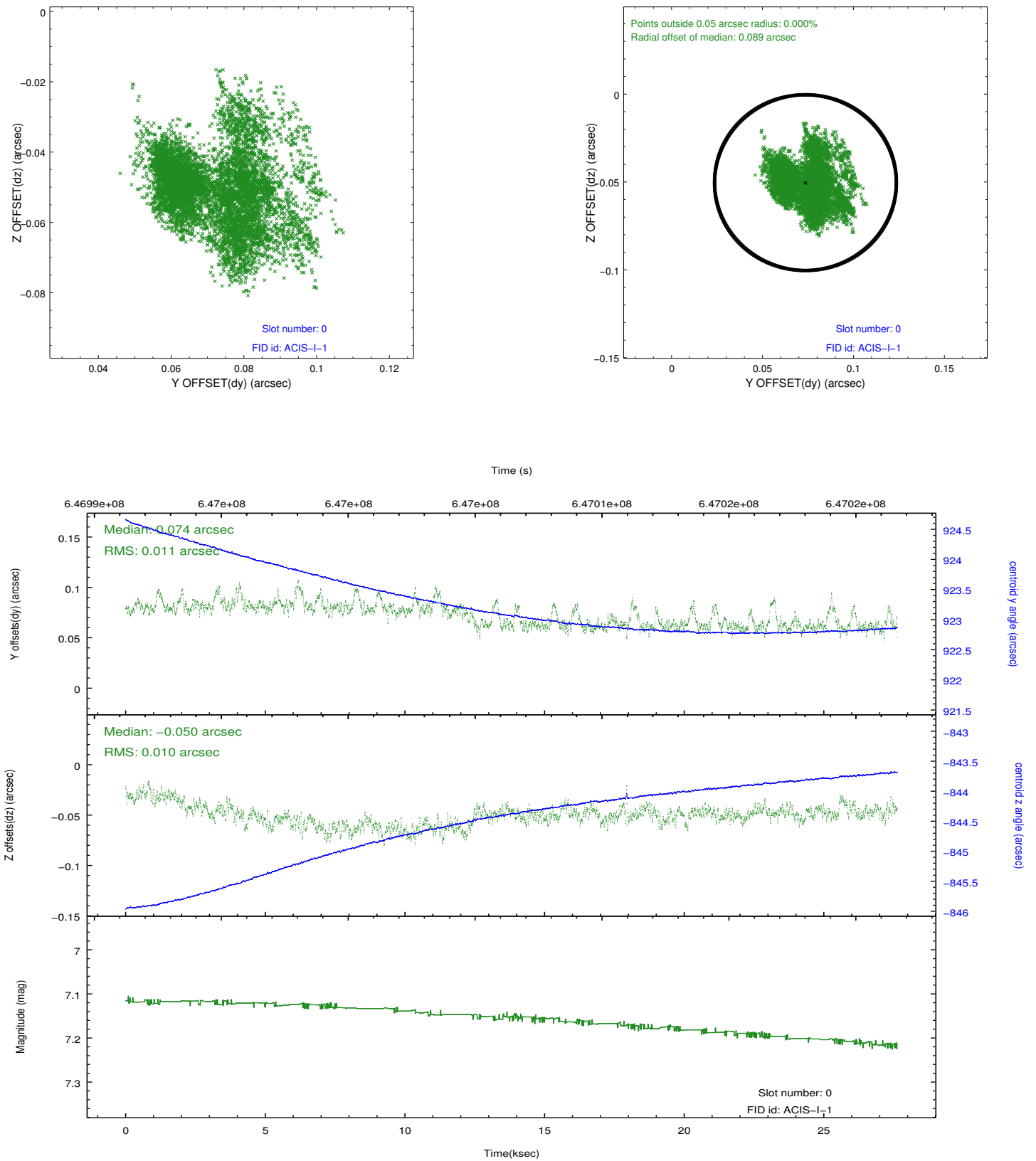


2.4.5 Slot 7

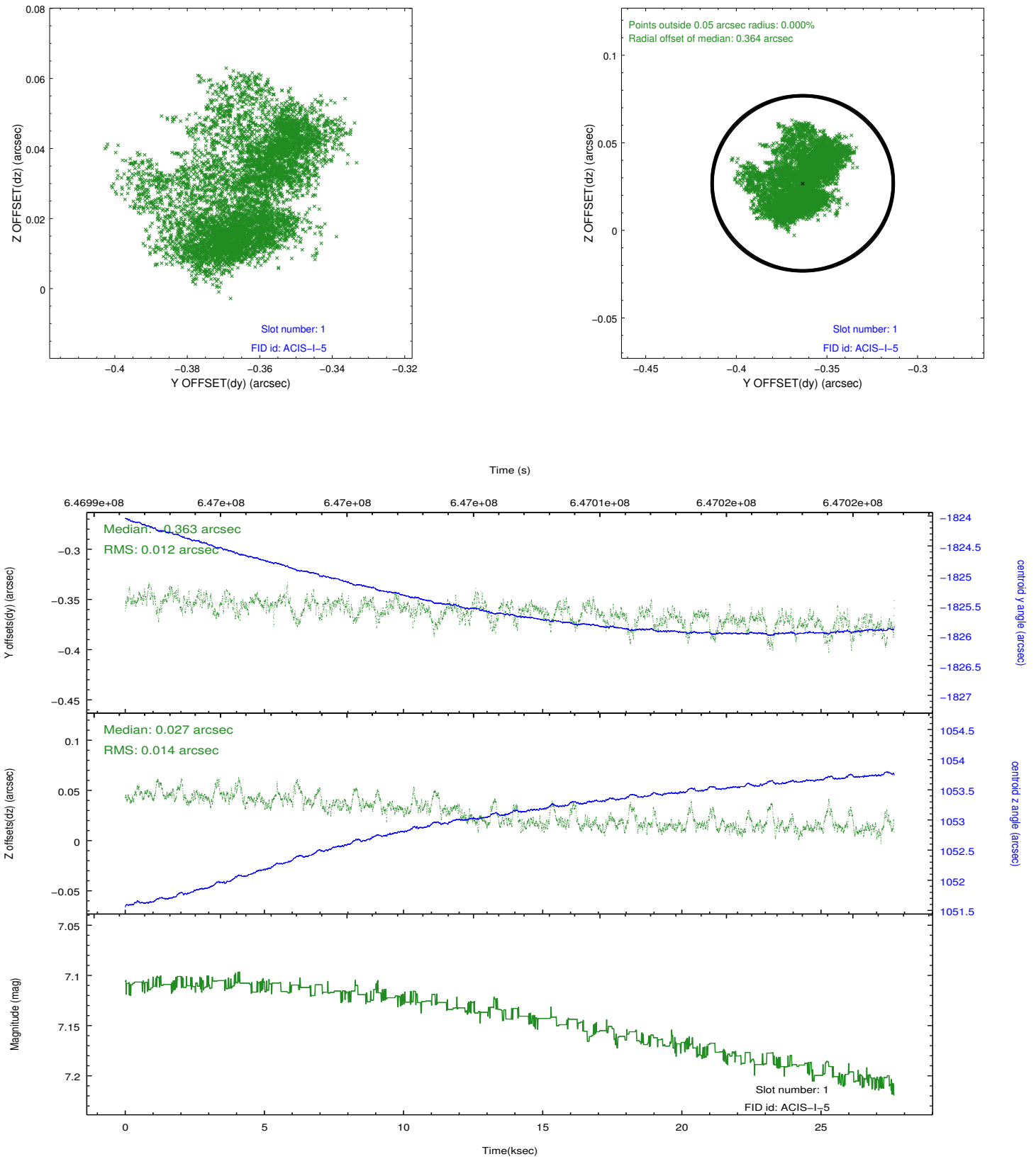


2.5 FID Slots

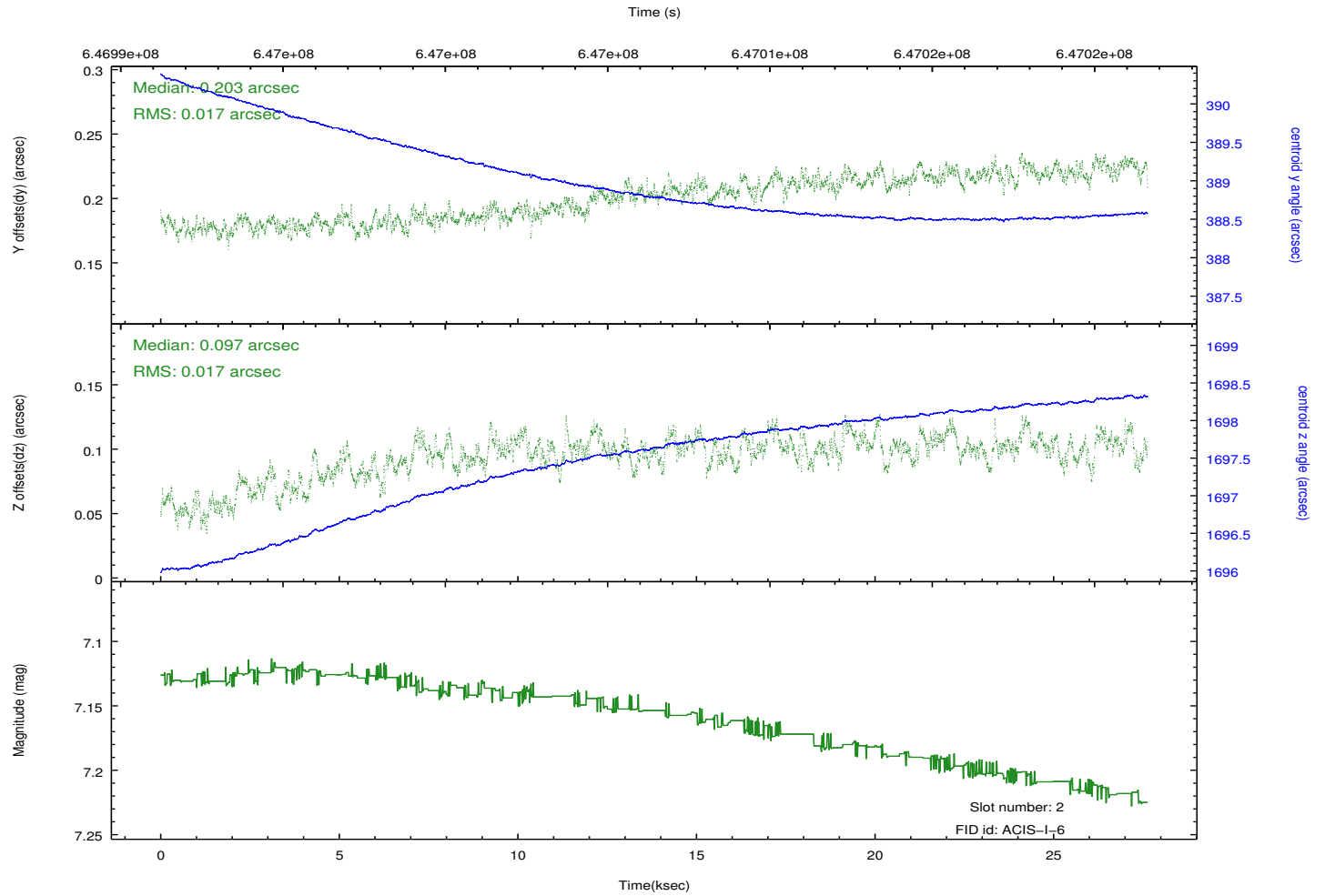
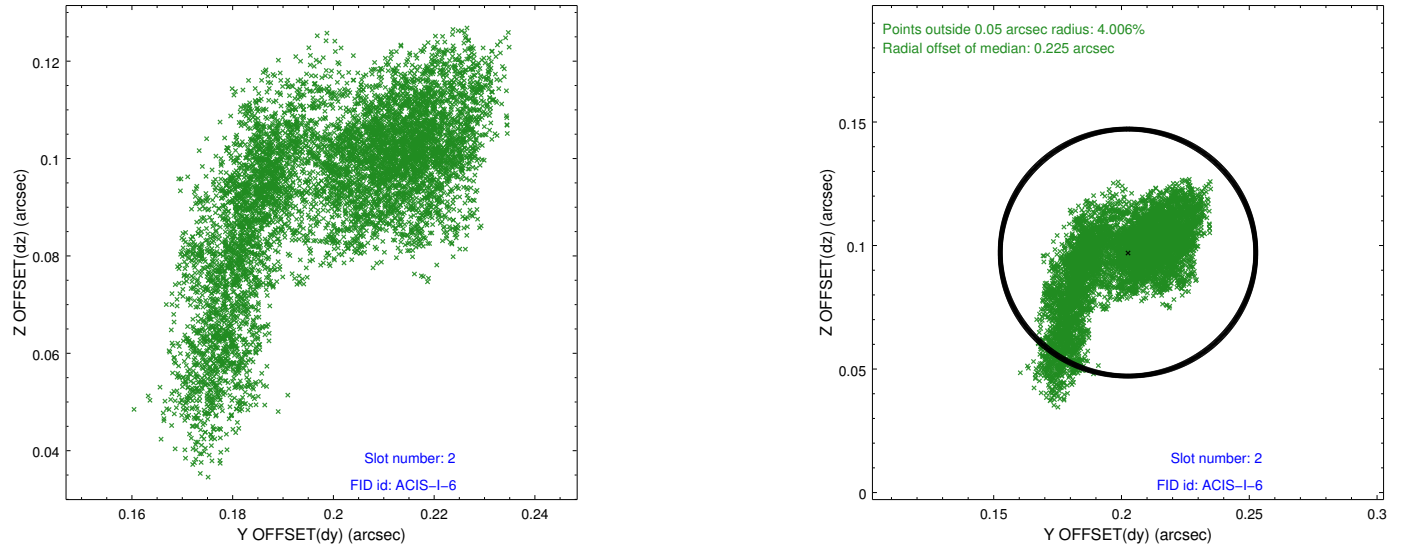
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2018.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.558867869496

A.2 Comments