

V&V Reference Report

L2 ASCDS Version : 10.8.4

Observation 23253 - L2 Version 1
Chandra X-Ray Center

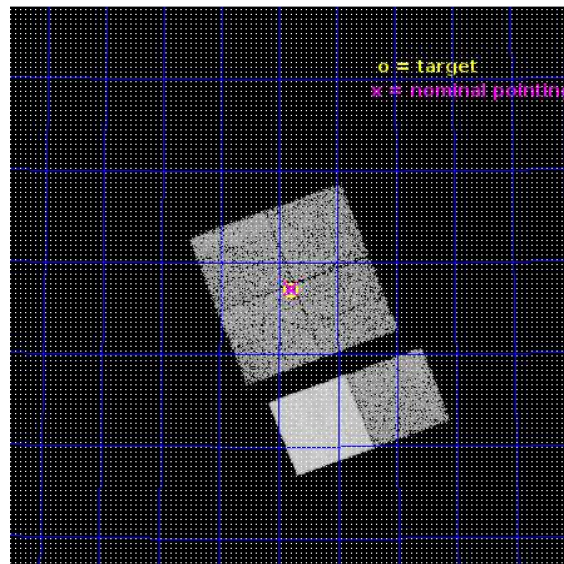
L2 Processing Date : May 22 2020

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1 Front

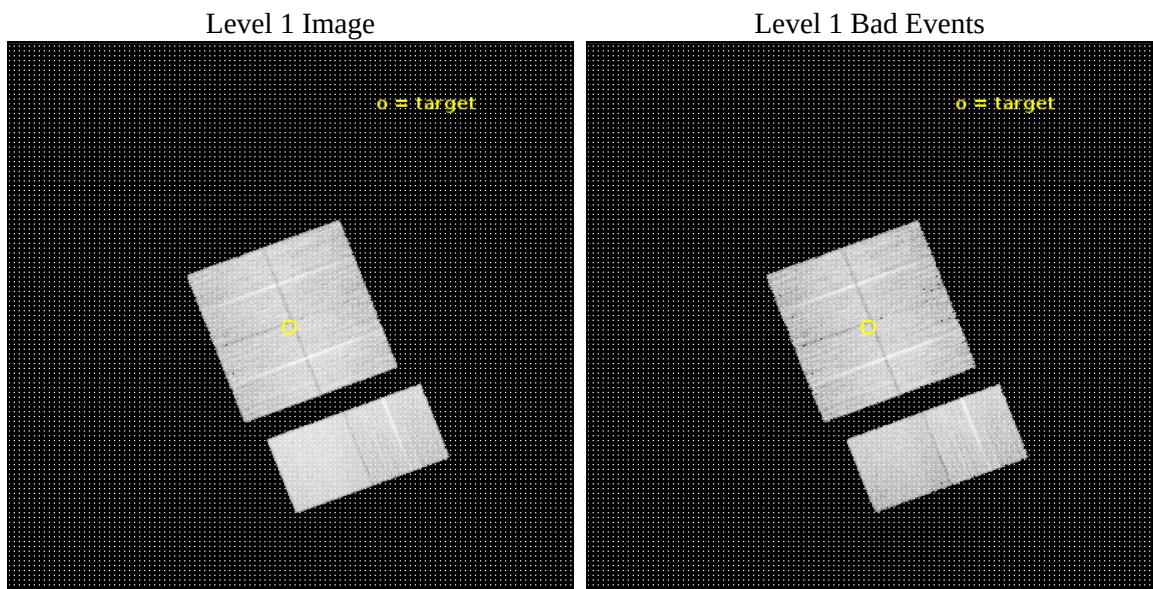
seq_num	901420	Sequence number
obs_id	23253	Observation id
title	Coordinated Ultra-Deep X-ray Monitoring of the JWST-NEP Time Domain Field	Proposal title
observer	Walter Maksym	Principal investigator
object	JWST-DTDF-11	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.7	Observer's specified target RA [deg]
dec_targ	65.783778	Observer's specified target Dec [deg]
ra_nom	260.696850854	Nominal RA [deg]
dec_nom	65.786807344	Nominal Dec [deg]
roll_nom	159.221806615	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12457.600185633	Sum of GTIs [s]
livetime	12299.854551016	Livetime [s]
ontime0	12457.600185633	Sum of GTIs [s]
ontime1	12457.600185633	Sum of GTIs [s]
ontime2	12457.600185633	Sum of GTIs [s]
ontime3	12457.600185633	Sum of GTIs [s]
ontime6	12444.636224389	Sum of GTIs [s]
ontime7	12457.600185633	Sum of GTIs [s]
l2events	100651	Number of level 2 events



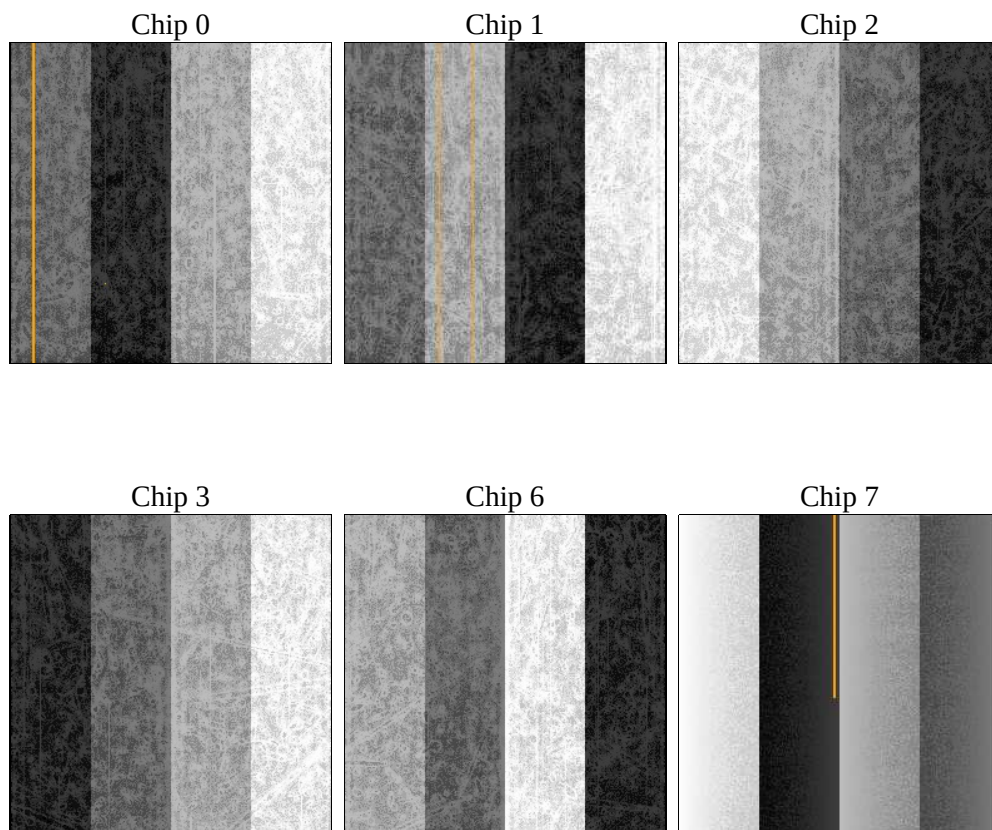
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12500.000000	[s] Scheduled observation exposure time
ascdsver	10.8.4	Processing system revision	ontime	12457.600185633	Sum of GTIs [s]
caldsver	4.9.1	 	ontime0	12457.600185633	Sum of GTIs [s]
date	2020-05-22T12:03:25	Date and time of file creation	ontime1	12457.600185633	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	12457.600185633	Sum of GTIs [s]
			ontime3	12457.600185633	Sum of GTIs [s]
			ontime6	12444.636224389	Sum of GTIs [s]
			ontime7	12457.600185633	Sum of GTIs [s]
			l1events	581206	Number of level 1 events

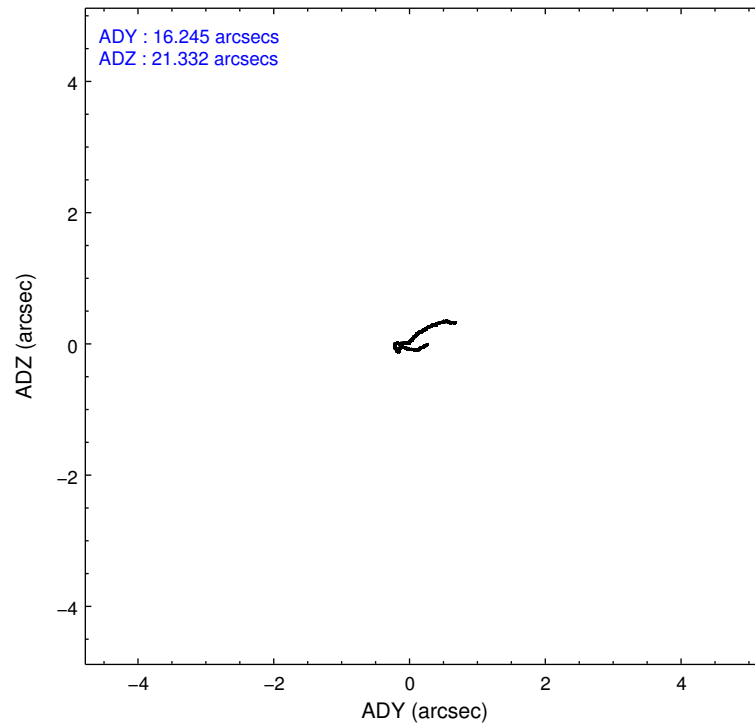
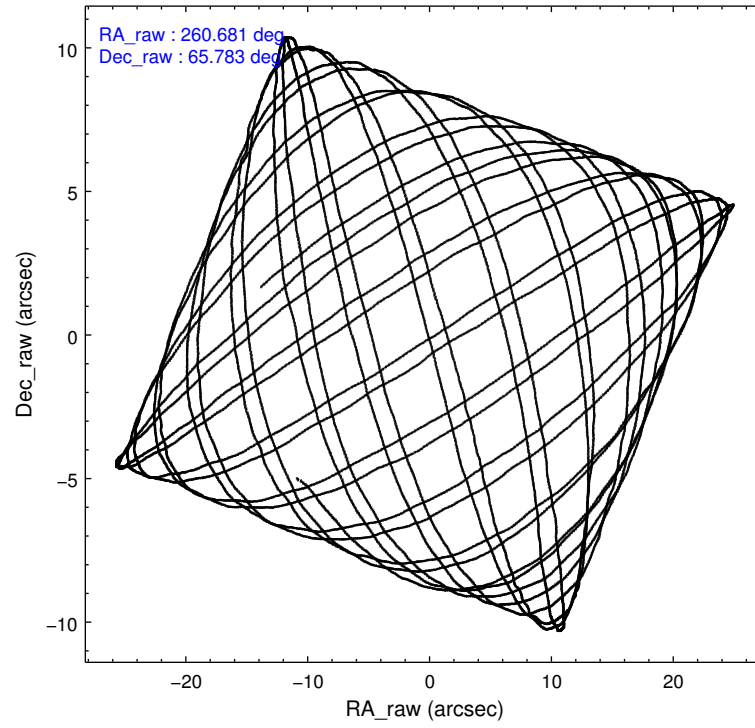
2.1.4 Events

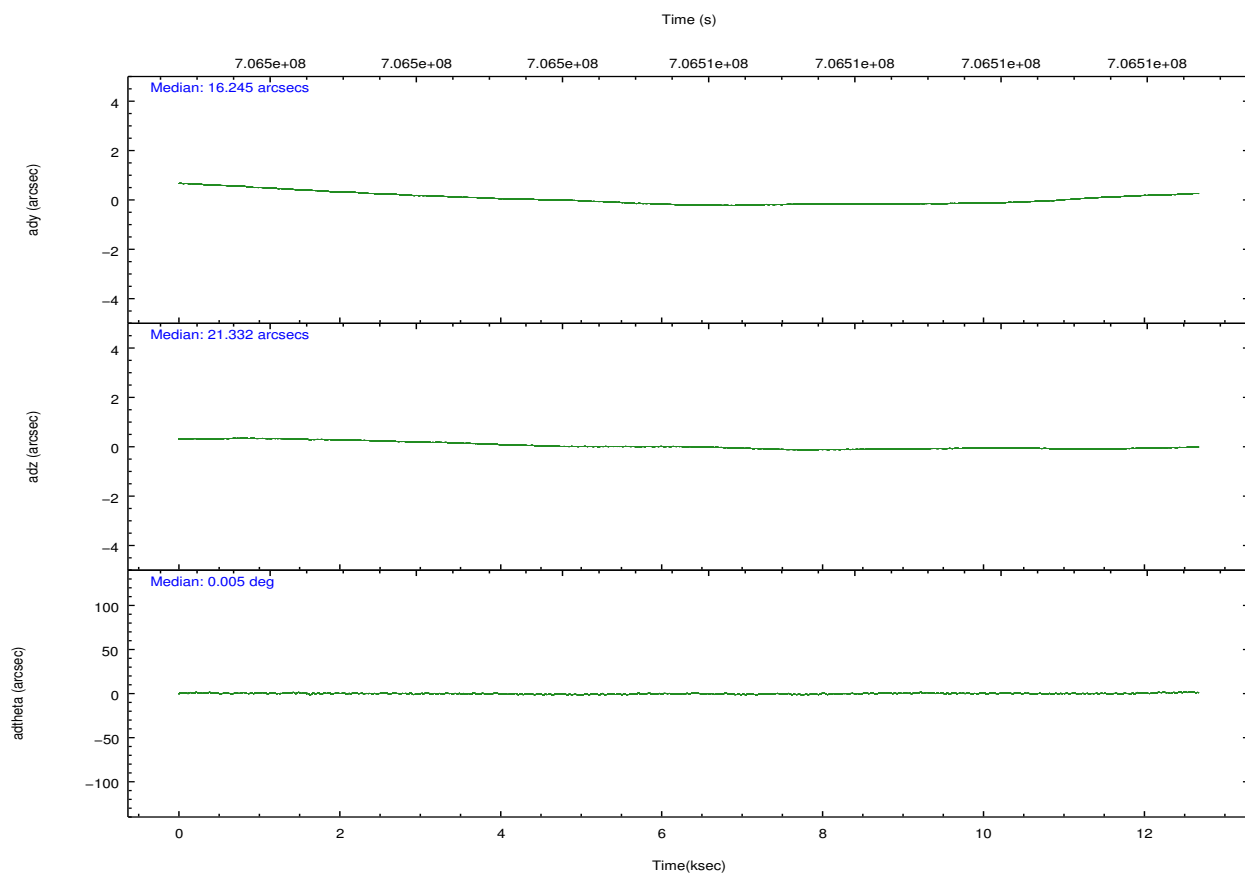
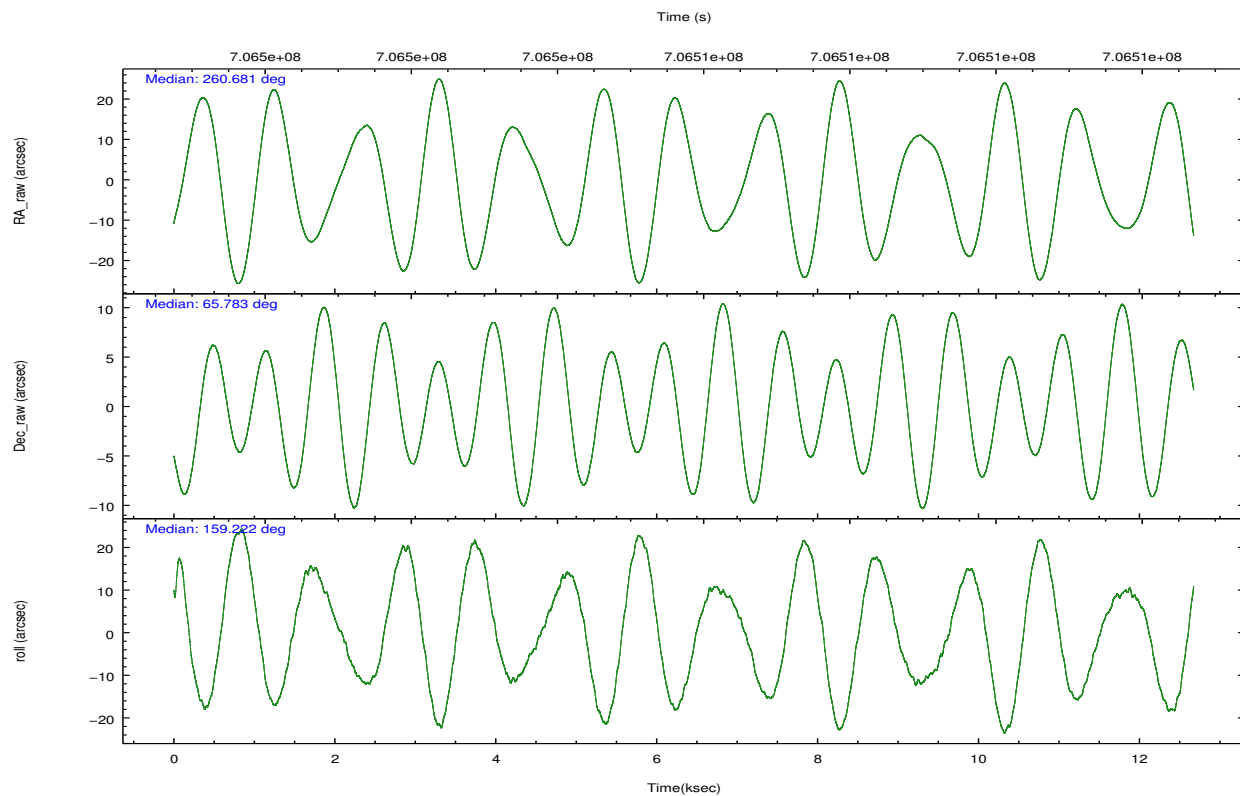
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	84974	85249	97282	90558	97793	125350	grade 0 events	3654	4272	3901	3905	3809	4617
rejected events	74032	72960	86203	80049	86456	70353		4%	5%	4%	4%	3%	3%
rejected %	87%	85%	88%	88%	88%	56%	grade 1 events	45	55	64	59	58	199
								0%	0%	0%	0%	0%	0%
							grade 2 events	2820	3151	2850	2272	2666	12108
								3%	3%	2%	2%	2%	9%
							grade 3 events	1061	1117	1065	1076	1129	4284
								1%	1%	1%	1%	1%	3%
							grade 4 events	1102	1082	1074	1083	1108	4244
								1%	1%	1%	1%	1%	3%
							grade 5 events	4363	4272	4042	4642	4808	12503
								5%	5%	4%	5%	4%	9%
							grade 6 events	2310	2671	2192	2178	2625	29755
								2%	3%	2%	2%	2%	23%
							grade 7 events	69619	68629	82094	75343	81590	57640
								81%	80%	84%	83%	83%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	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	260.746625	260.696850854	CCD I2 on	Y	Y
[deg] Pointing Dec	65.787174	65.786807344	CCD I3 on	Y	Y
[deg] Pointing Roll	158.957482	159.221806615	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	706499587.184000	706498700.19949	CCD S5 on	N	N
Observation start date	2020-05-22T01:51:58	2020-05-22T01:38:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	706512087.184000	706512821.11285	On-chip summing requested	N	N
Observation end date	2020-05-22T05:20:18	2020-05-22T05:33:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



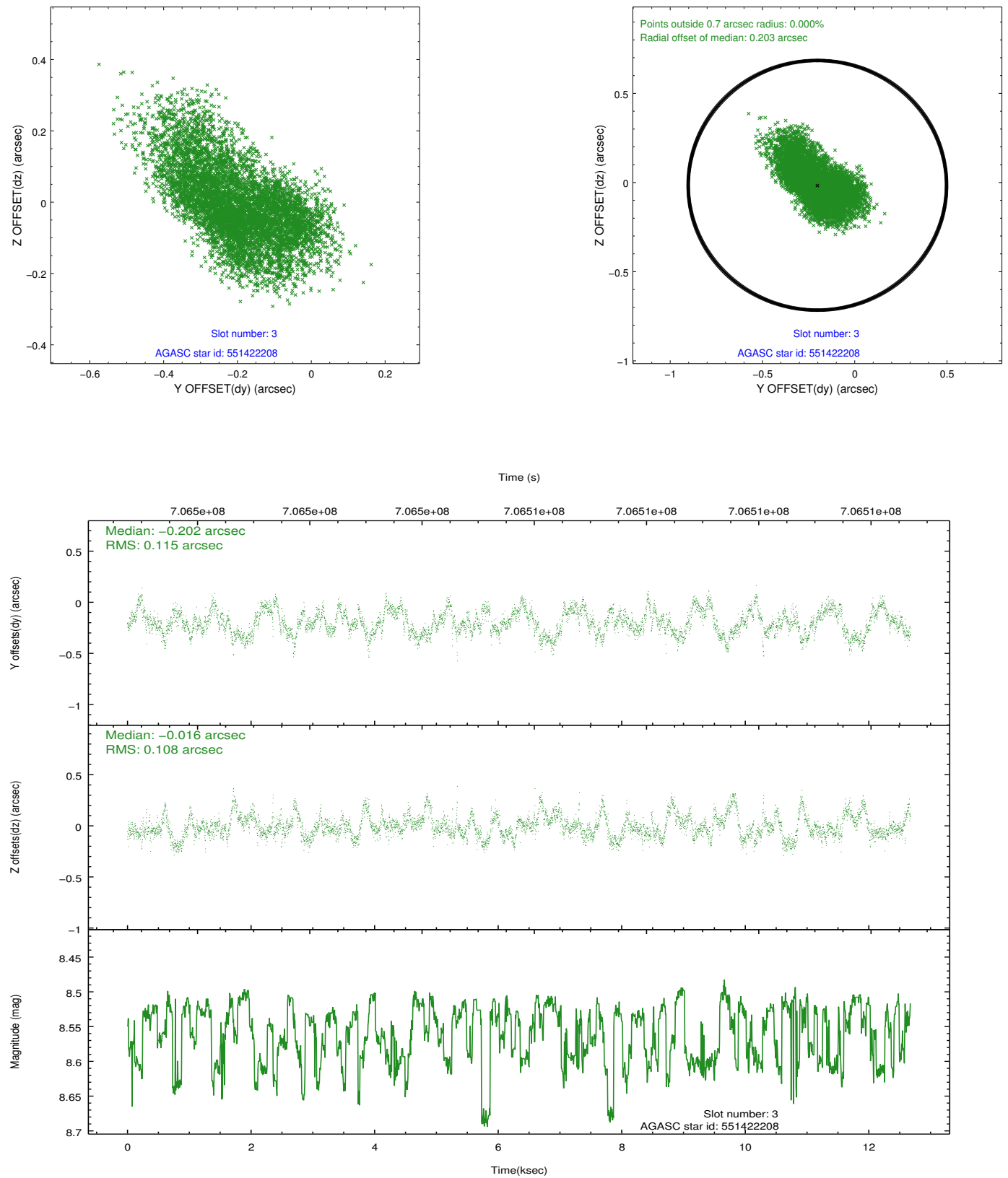


Slot Statistics

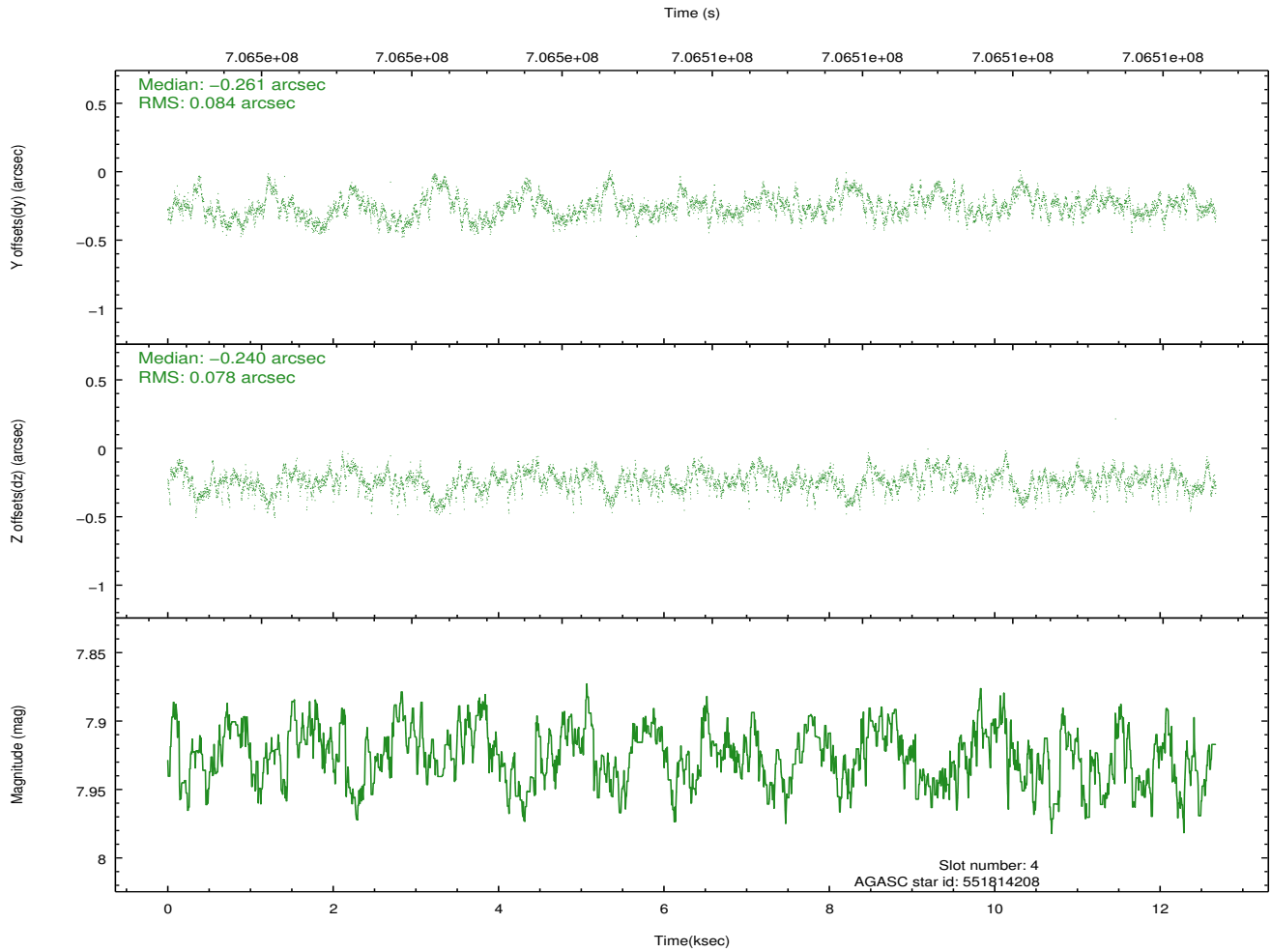
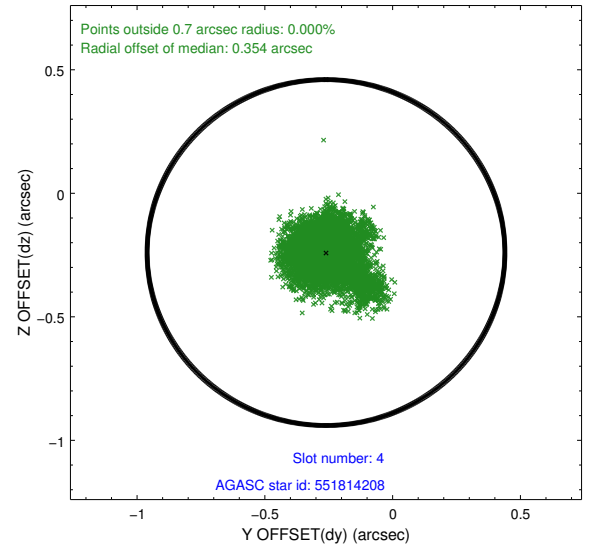
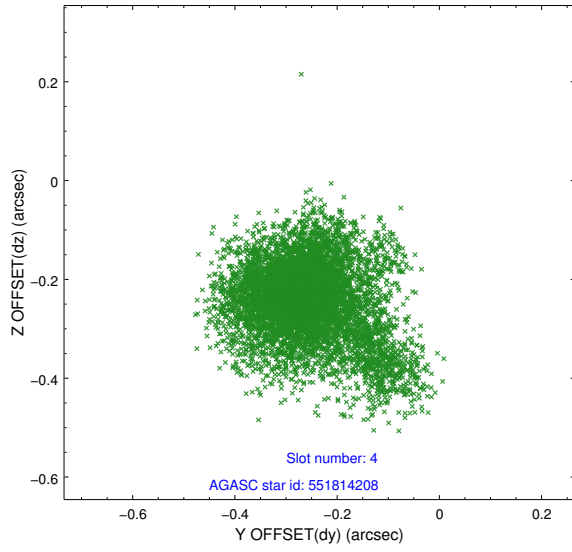
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.10	3092	1.000	0.278	-0.180	0.010	0.017	0.000000	0.000000	923.29	-845
1	FID		ACIS-I-5	7.08	3092	1.000	-0.328	0.244	0.010	0.017	0.000000	0.000000	-1824.99	1052
2	FID		ACIS-I-6	7.10	3092	1.000	-0.042	0.007	0.013	0.022	0.000000	0.000000	388.39	1697
3	GUIDE	used	551422208	8.56	6179	1.000	-0.202	-0.016	0.167	0.278	261.600178	65.236311	-1909.37	1381
4	GUIDE	used	551814208	7.92	6184	1.000	-0.261	-0.240	0.119	0.208	260.175311	65.639944	603.14	796
5	GUIDE	used	551815096	6.79	6184	1.000	0.243	-0.170	0.099	0.222	260.236273	66.562724	1687.51	-2346
6	GUIDE	used	551951232	7.92	6184	1.000	0.053	0.238	0.087	0.143	262.419848	65.894071	-2143.89	-1273
7	GUIDE	used	551952296	8.74	6179	1.000	0.148	0.187	0.162	0.236	261.999680	65.847021	-1637.87	-880

2.4 Star Slots

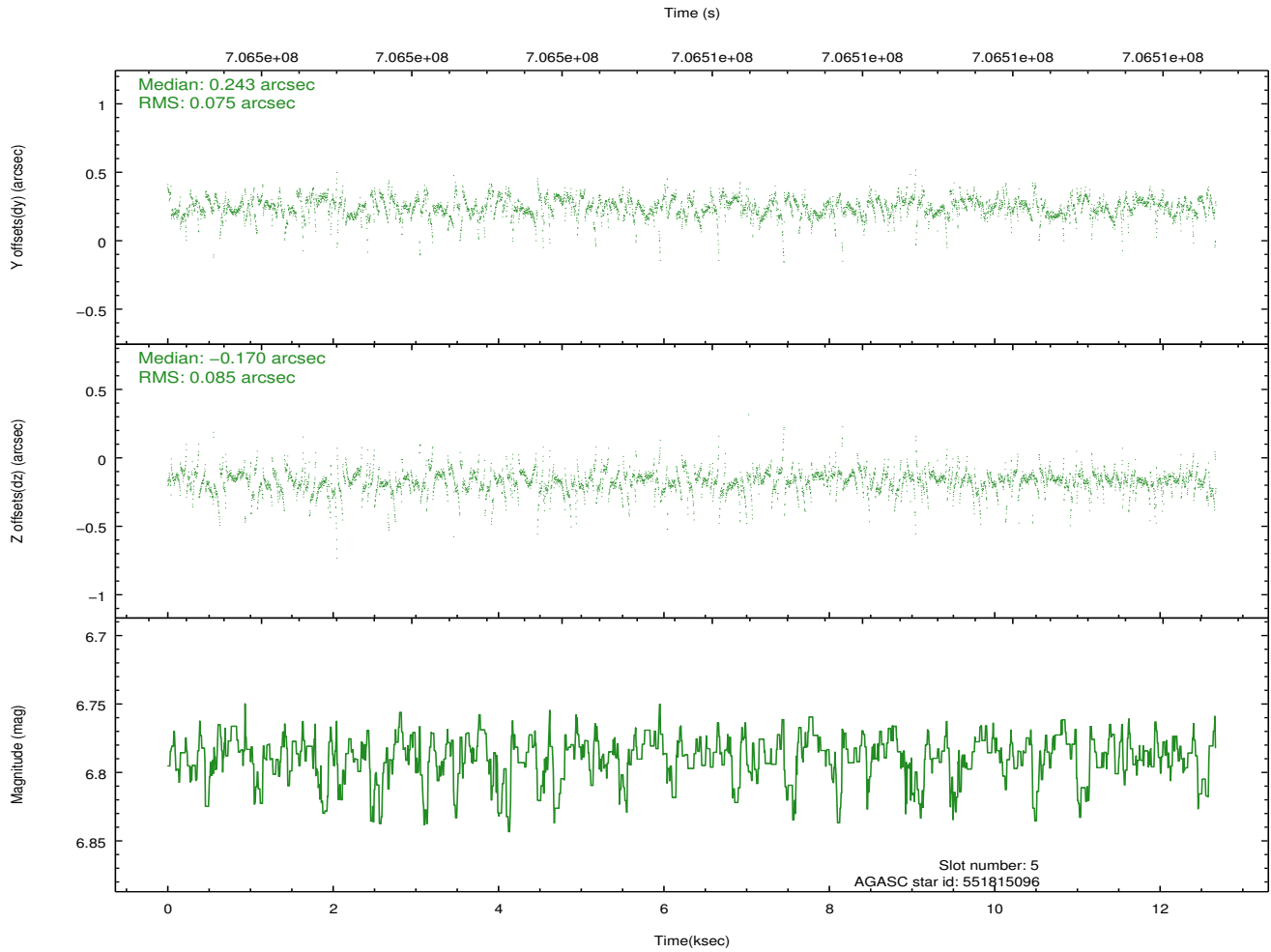
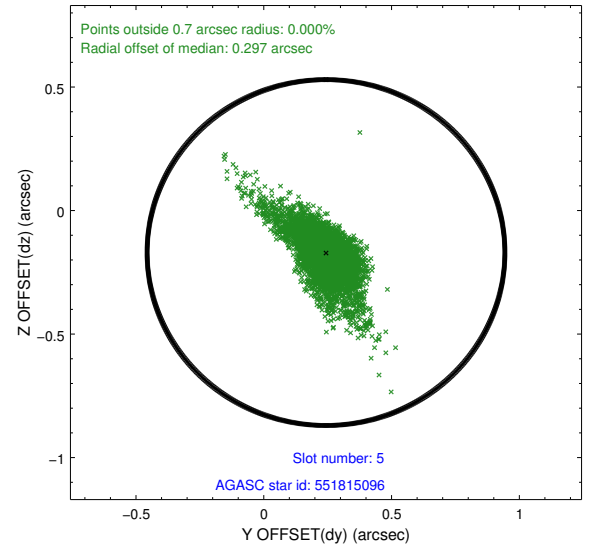
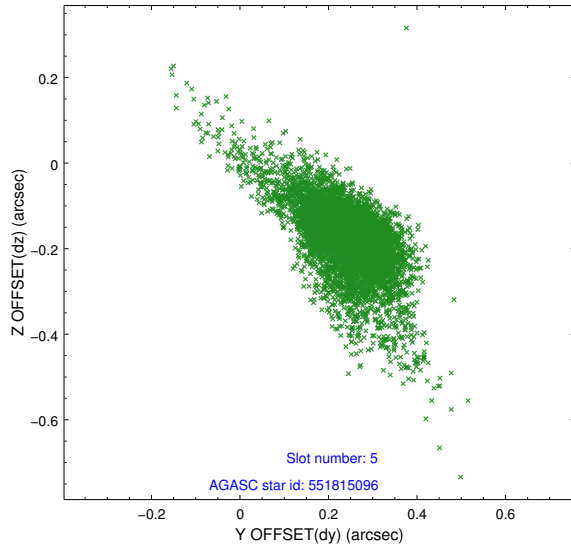
2.4.1 Slot 3



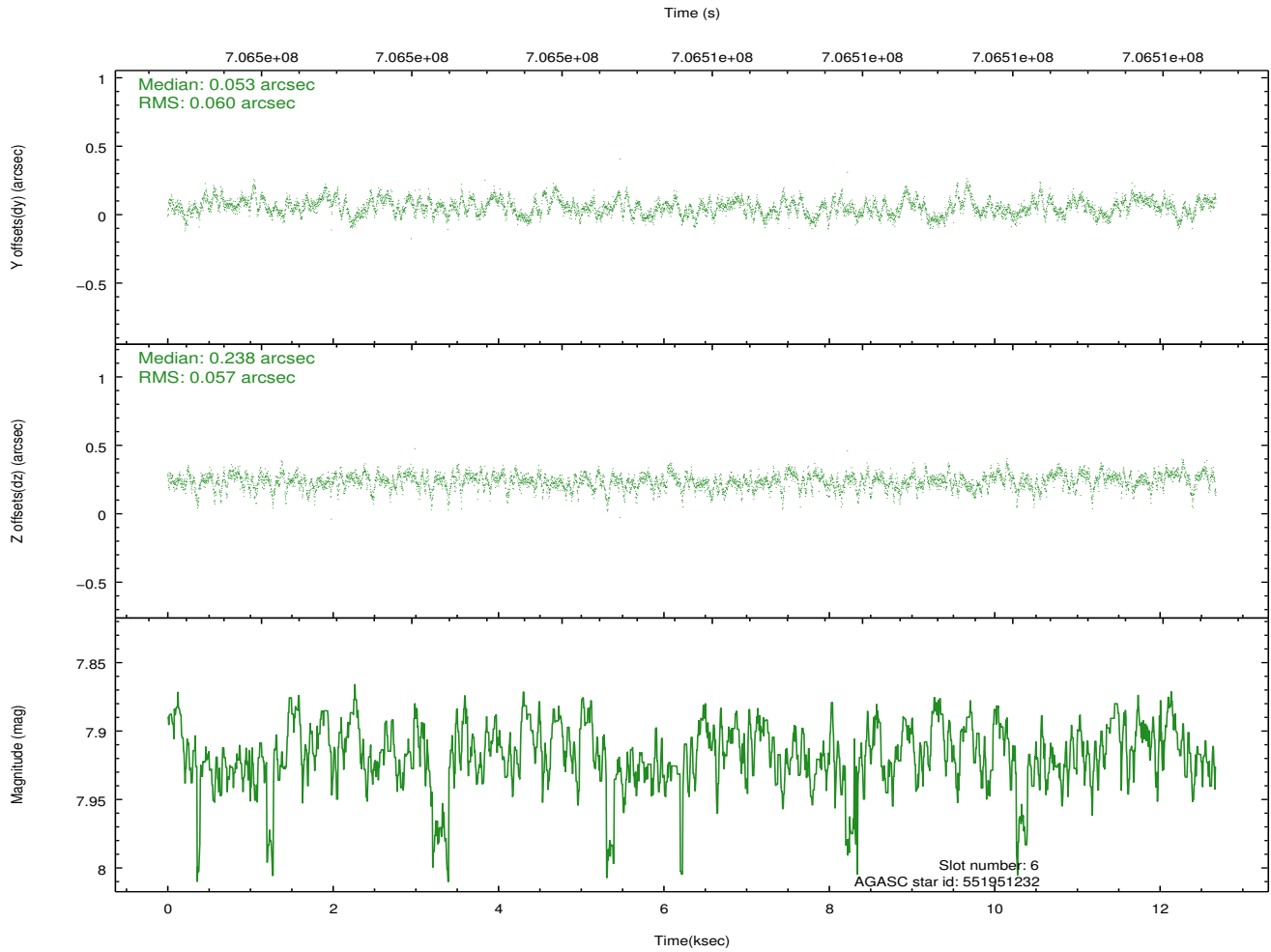
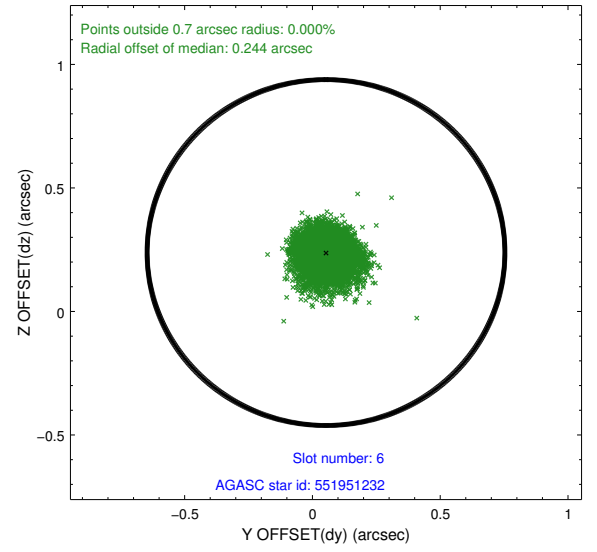
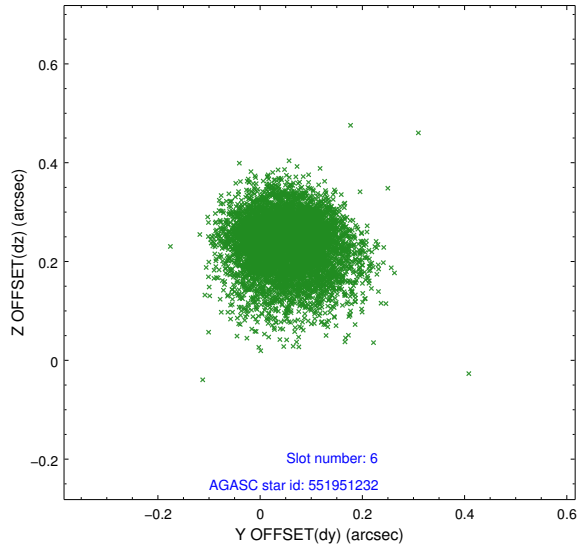
2.4.2 Slot 4



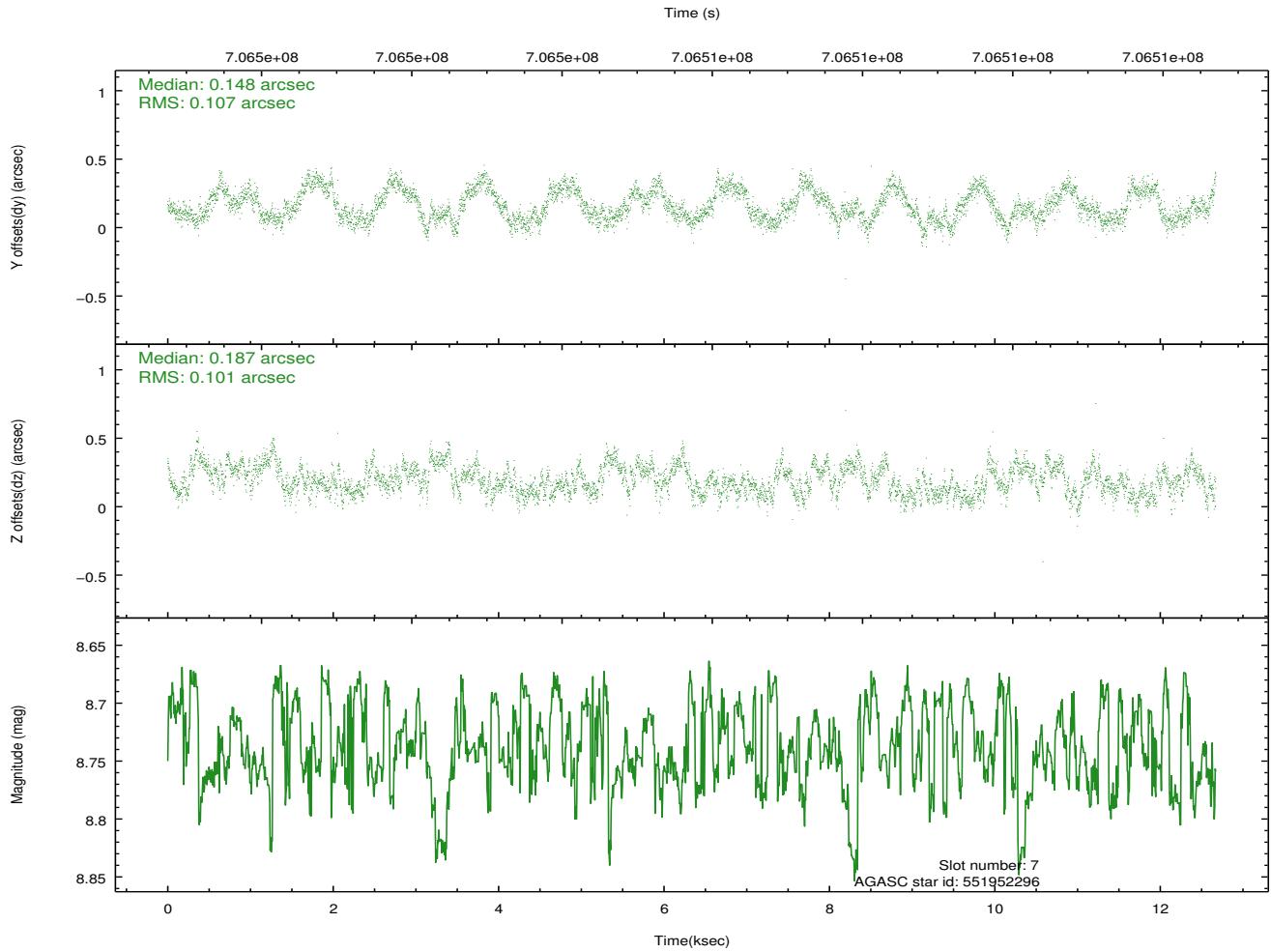
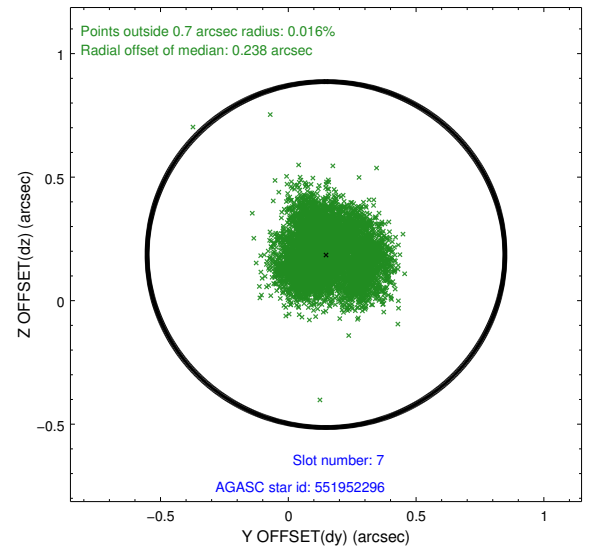
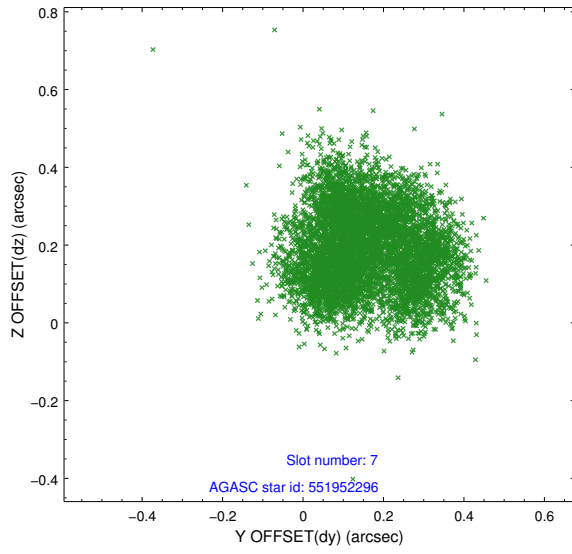
2.4.3 Slot 5



2.4.4 Slot 6

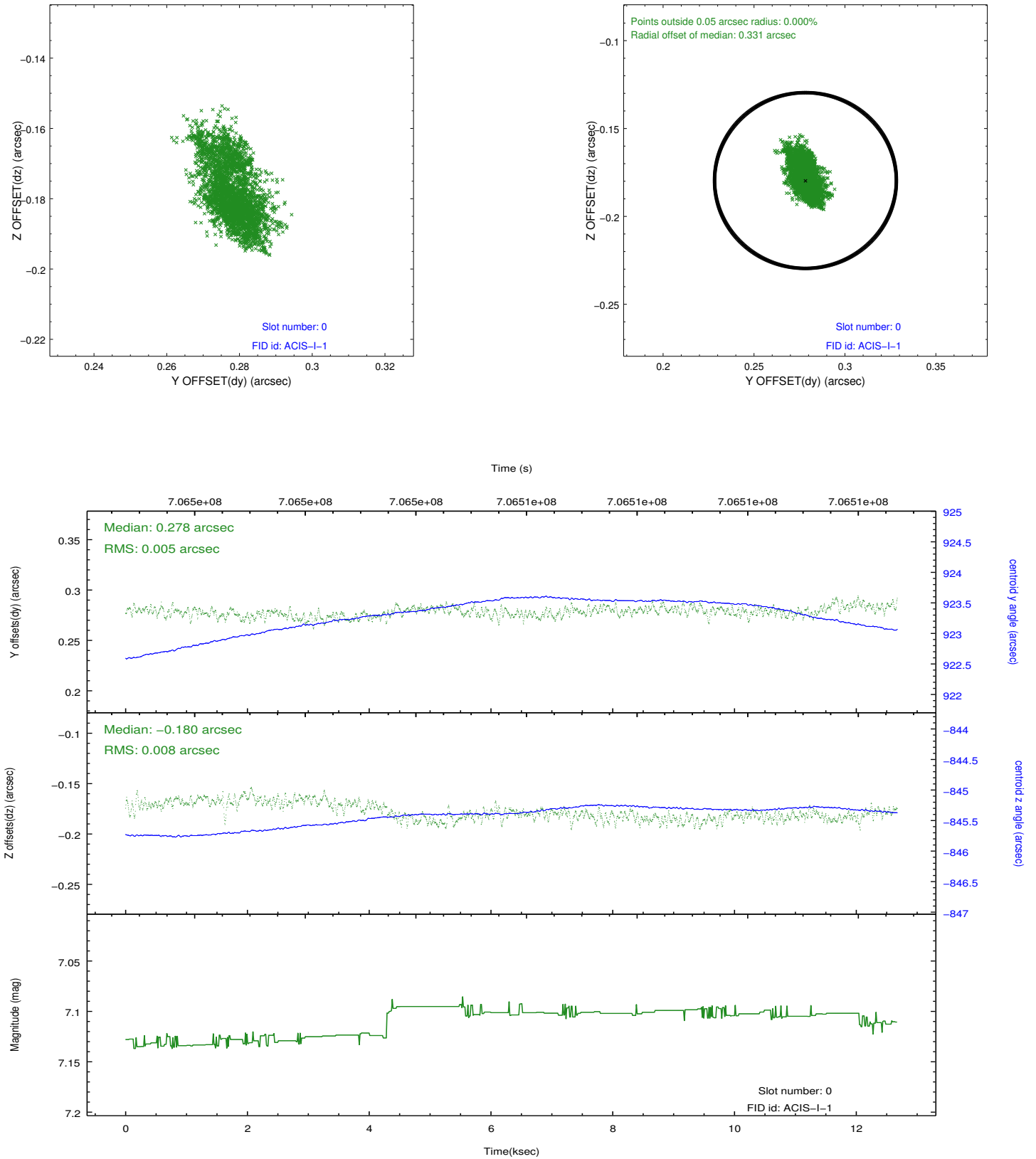


2.4.5 Slot 7

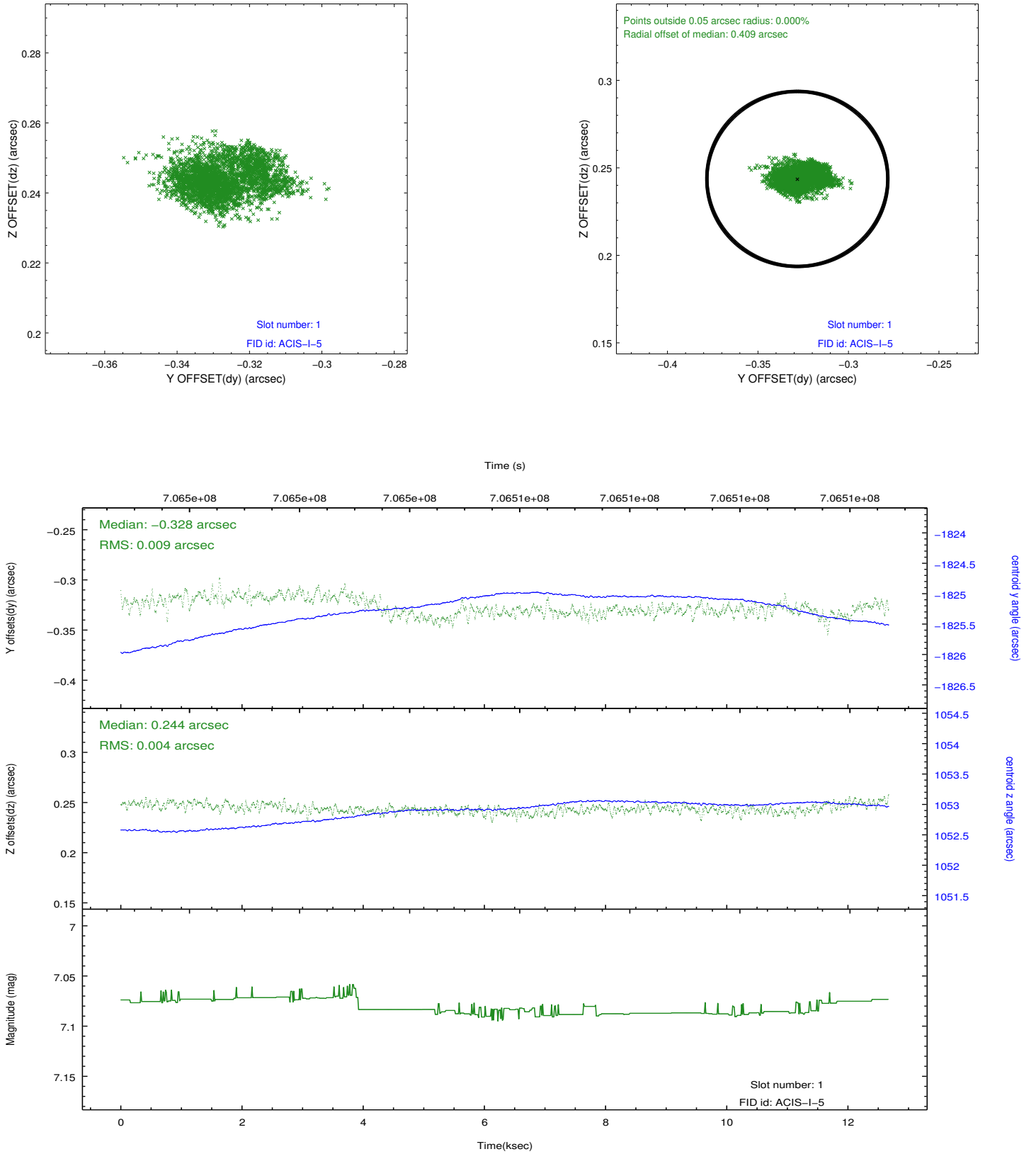


2.5 FID Slots

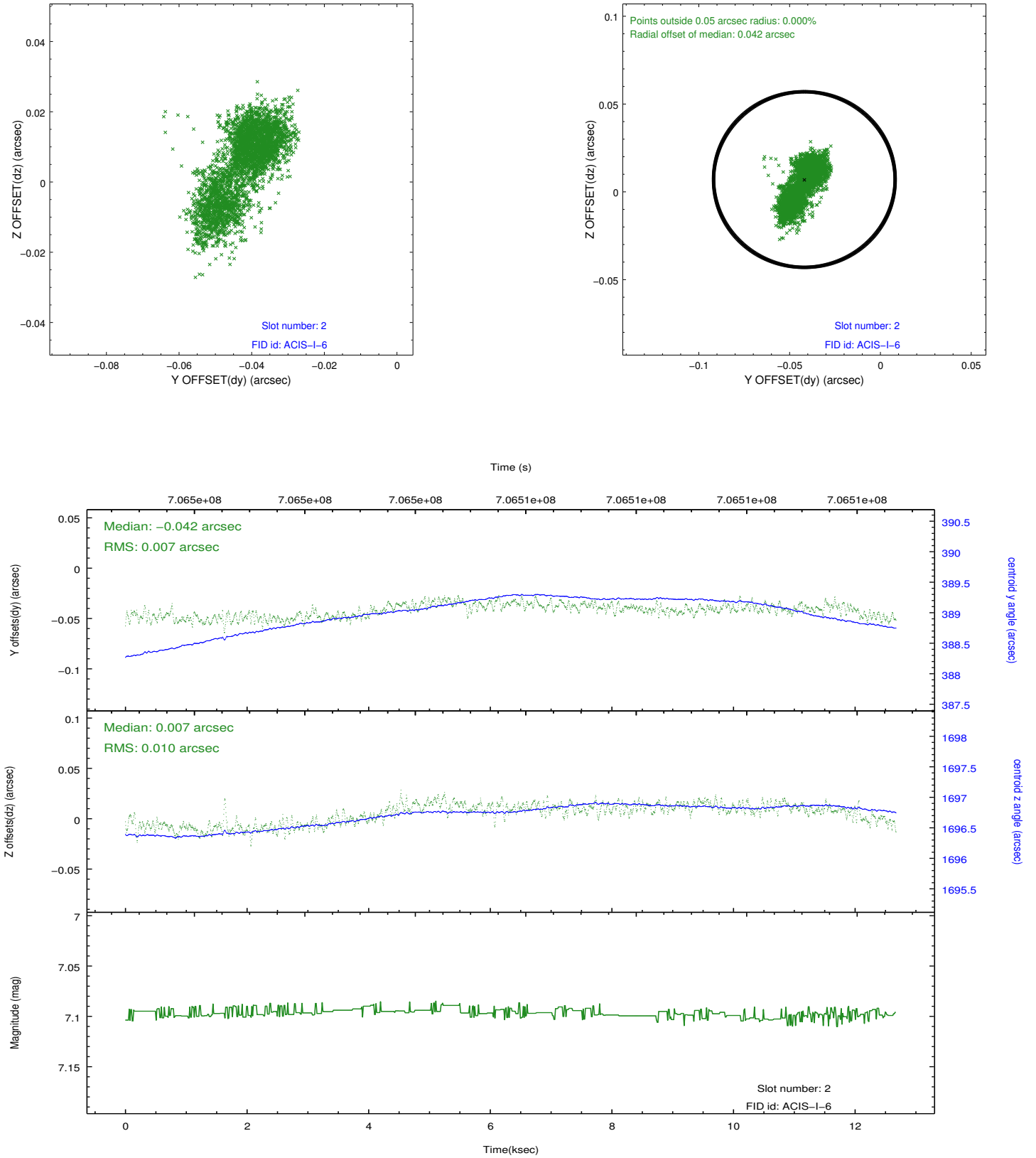
2.5.1 Slot 0



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)	2020.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.457600185633

A.2 Comments