

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19489 - L2 Version 1
Chandra X-Ray Center

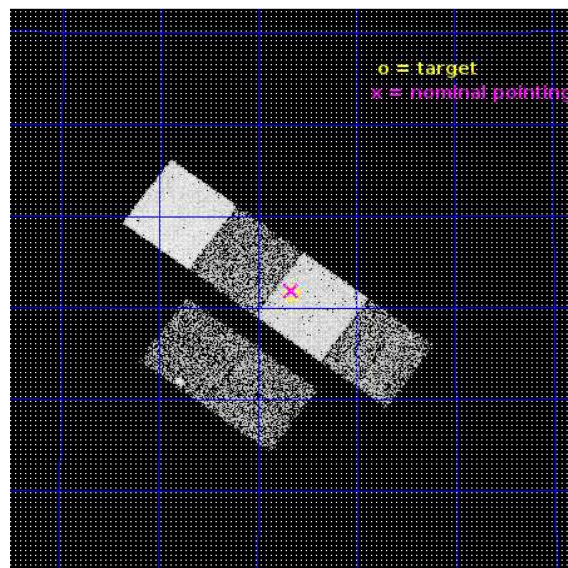
L2 Processing Date : Oct 27 2017

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1 Front

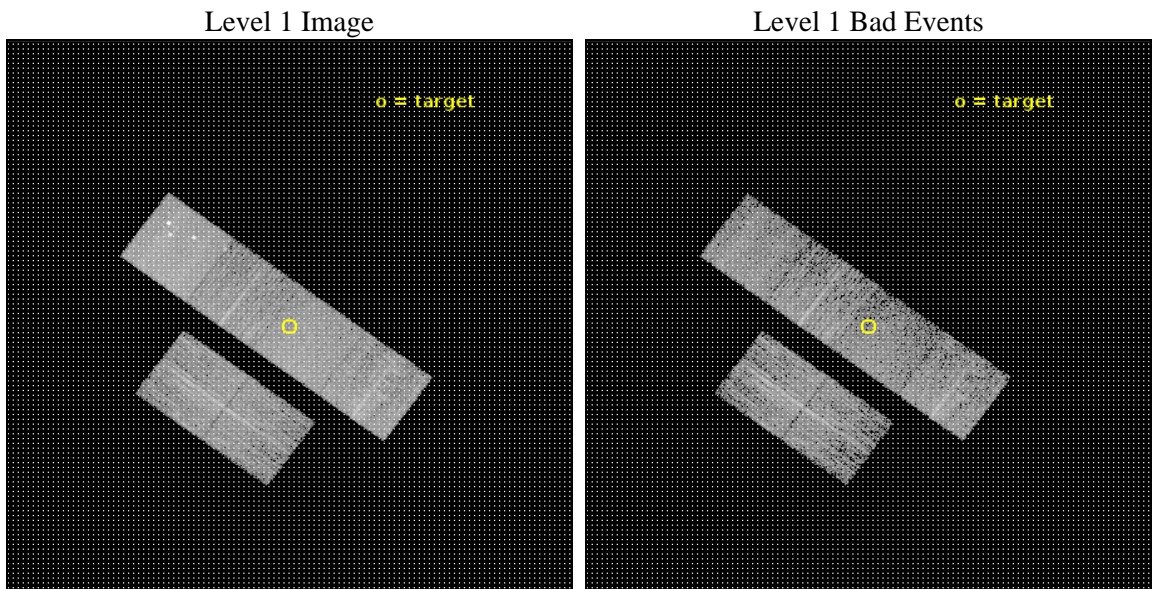
seq_num	703337	Sequence number
obs_id	19489	Observation id
title	UNDERSTANDING THE ROLE OF AGN IN TRANSITIONING GALAXI	Proposal tit
observer	Lauranne Lanz	Principal investigator
object	spog1557	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.91375	Observer's specified target RA [deg]
dec_targ	46.525611	Observer's specified target Dec [deg]
ra_nom	174.91477980992	Nominal RA [deg]
dec_nom	46.531747230247	Nominal Dec [deg]
roll_nom	36.155840417229	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4947.200073719	Sum of GTIs [s]
livetime	4884.5556475393	Livetime [s]
ontime2	4947.200073719	Sum of GTIs [s]
ontime3	4947.200073719	Sum of GTIs [s]
ontime5	4947.200073719	Sum of GTIs [s]
ontime6	4947.200073719	Sum of GTIs [s]
ontime7	4947.200073719	Sum of GTIs [s]
ontime8	4947.200073719	Sum of GTIs [s]
l2events	55060	Number of level 2 events



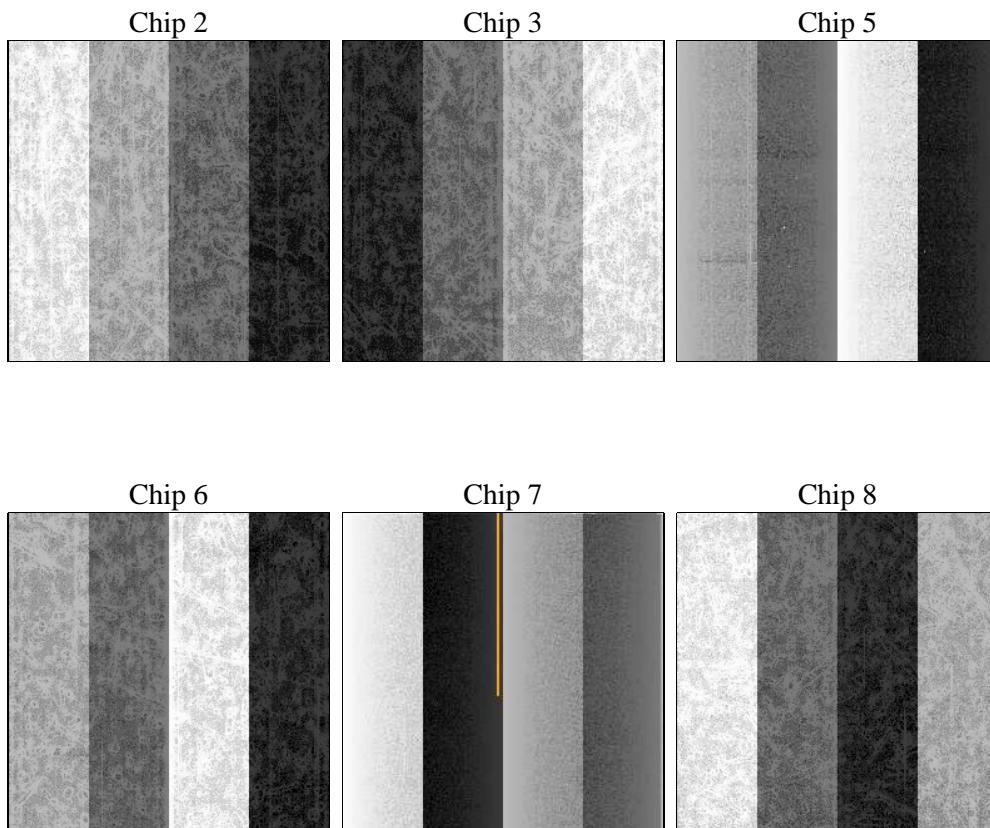
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	4947.200073719	Sum of GTIs [s]
caldbver	4.7.6	 	ontime2	4947.200073719	Sum of GTIs [s]
date	2017-10-27T23:09:08	Date and time of file creation	ontime3	4947.200073719	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	4947.200073719	Sum of GTIs [s]
			ontime6	4947.200073719	Sum of GTIs [s]
			ontime7	4947.200073719	Sum of GTIs [s]
			ontime8	4947.200073719	Sum of GTIs [s]
			l1events	250837	Number of level 1 events

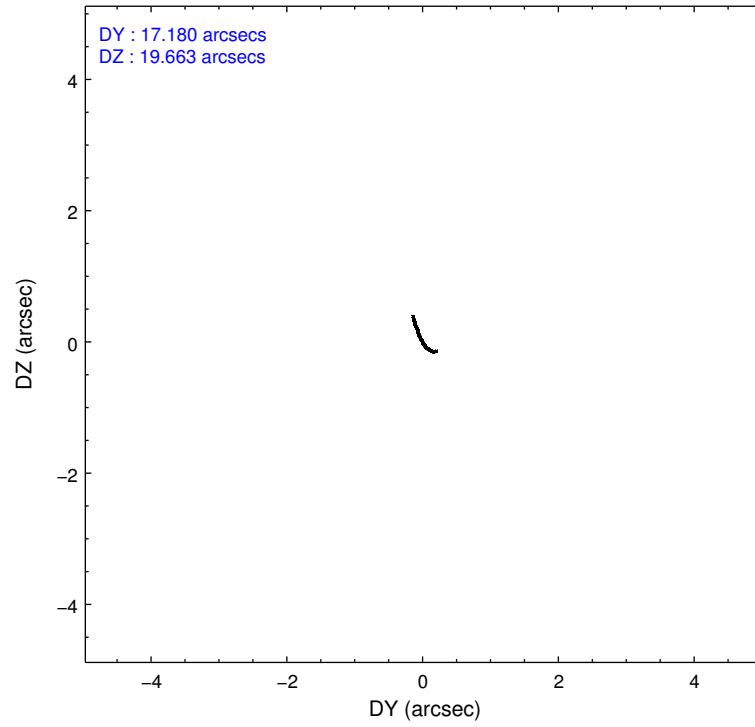
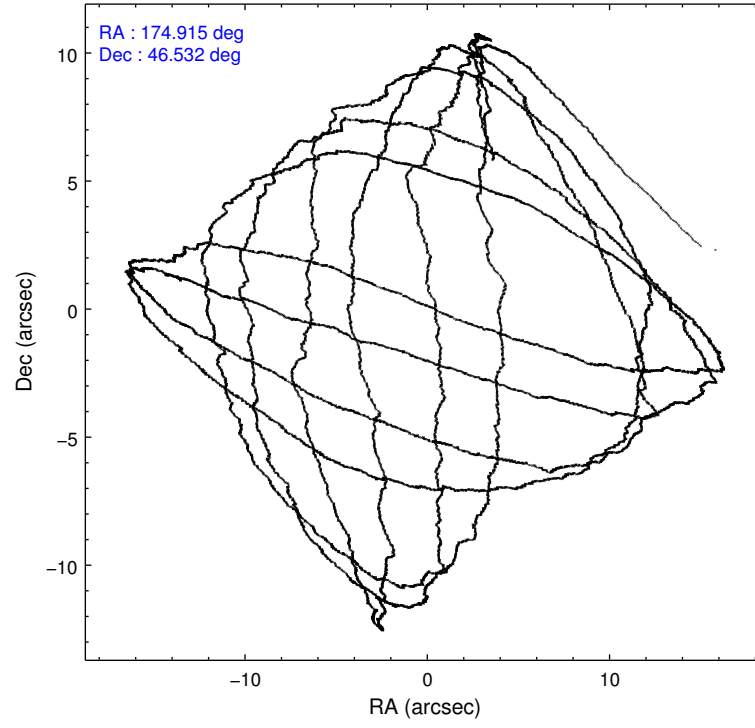
2.1.4 Events

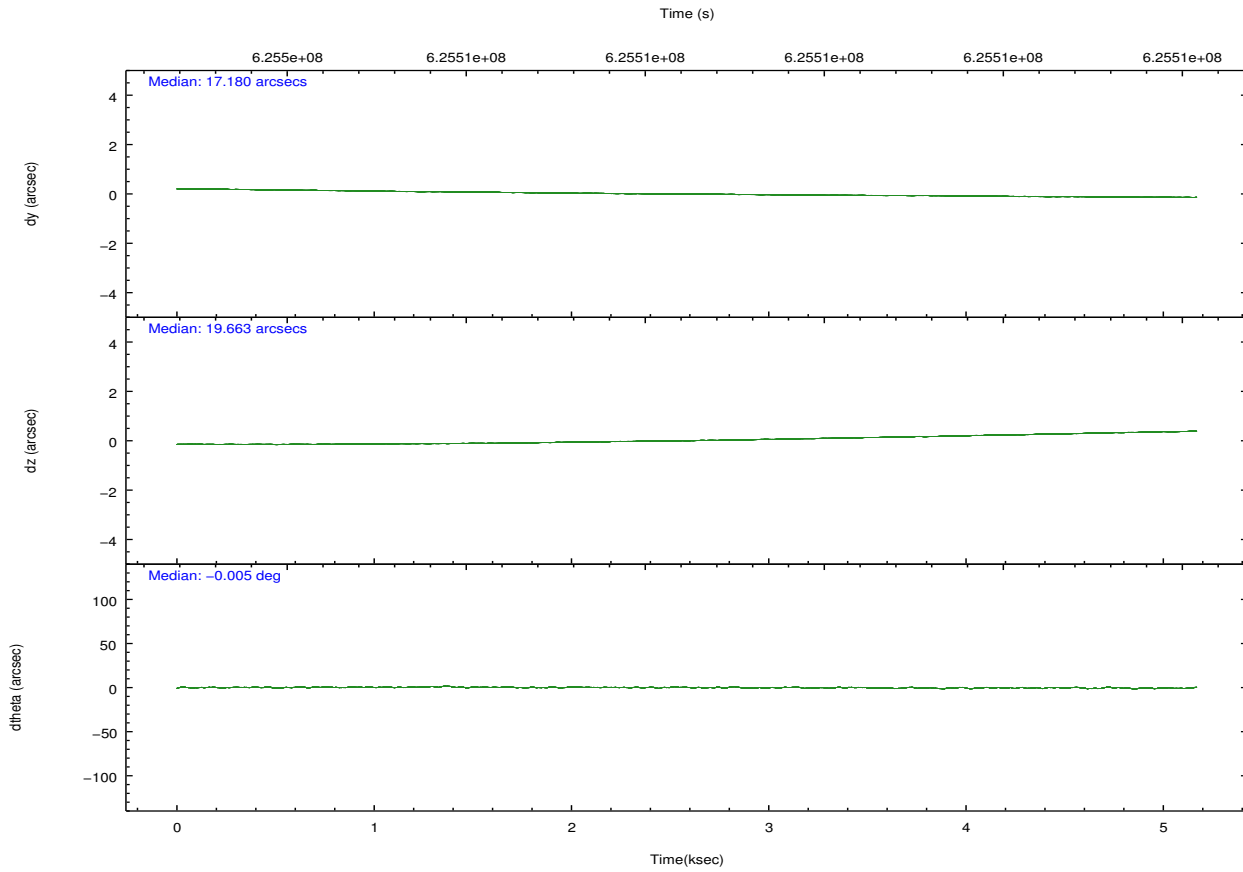
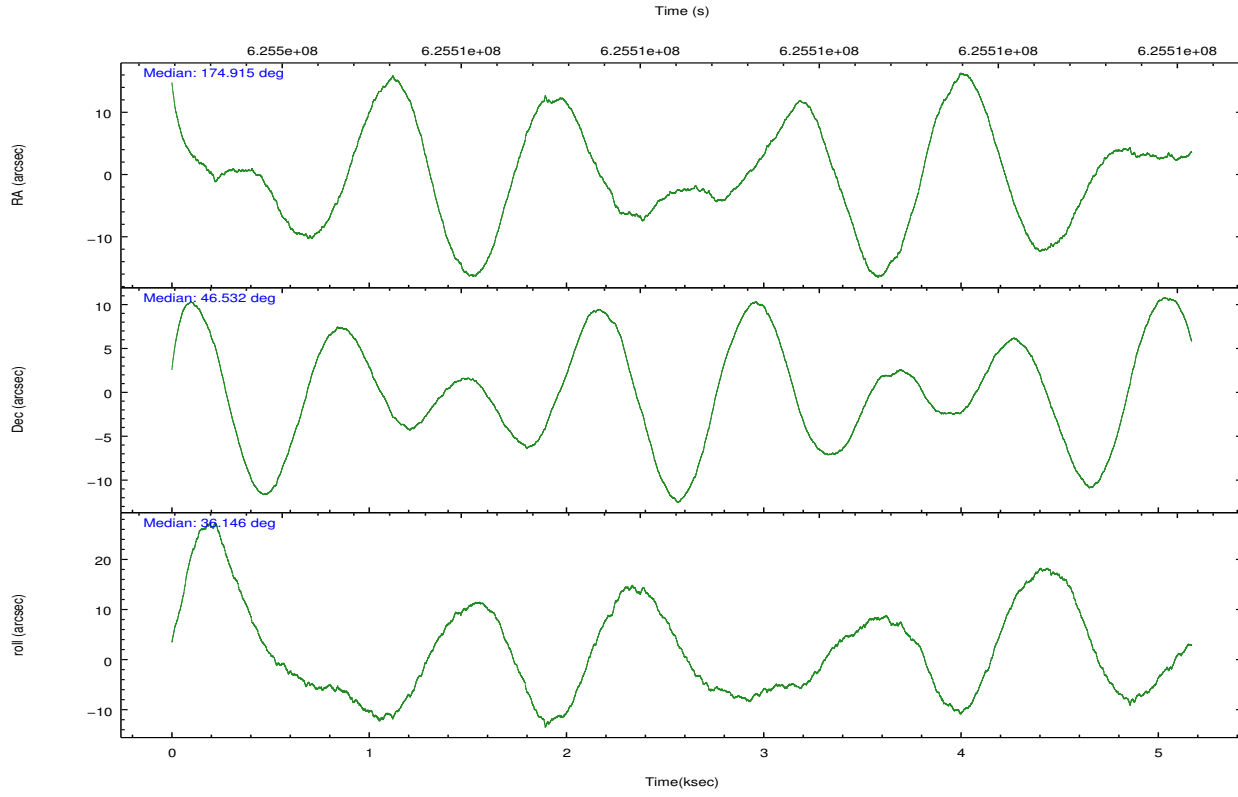
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	37585	32287	58421	35475	42973	44096	grade 0 events	1299	1136	4688	1042	1585	2911
rejected events	34006	28953	28826	31652	24608	33576		3%	3%	8%	2%	3%	6%
rejected %	90%	89%	49%	89%	57%	76%	grade 1 events	19	19	249	11	46	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	883	722	8919	1062	3719	2545
								2%	2%	15%	2%	8%	5%
							grade 3 events	333	346	749	339	1439	1069
								0%	1%	1%	0%	3%	2%
							grade 4 events	377	344	719	331	1297	1061
								1%	1%	1%	0%	3%	2%
							grade 5 events	1319	1500	3499	1329	4225	2231
								3%	4%	5%	3%	9%	5%
							grade 6 events	694	787	14557	1051	10342	2936
								1%	2%	24%	2%	24%	6%
							grade 7 events	32661	27433	25041	30310	20320	31307
								86%	84%	42%	85%	47%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	174.899115	174.9147798099219	CCD I2 on	O1	Y
[deg] Pointing Dec	46.506412	46.53174723024669	CCD I3 on	O2	Y
[deg] Pointing Roll	36.010617	36.15584041722867	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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)	625504802.184000	625503666.78292	CCD S5 on	N	N
Observation start date	2017-10-27T15:18:53	2017-10-27T15:01:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	625509802.184000	625511208.22086	On-chip summing requested	N	N
Observation end date	2017-10-27T16:42:13	2017-10-27T17:06:48	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



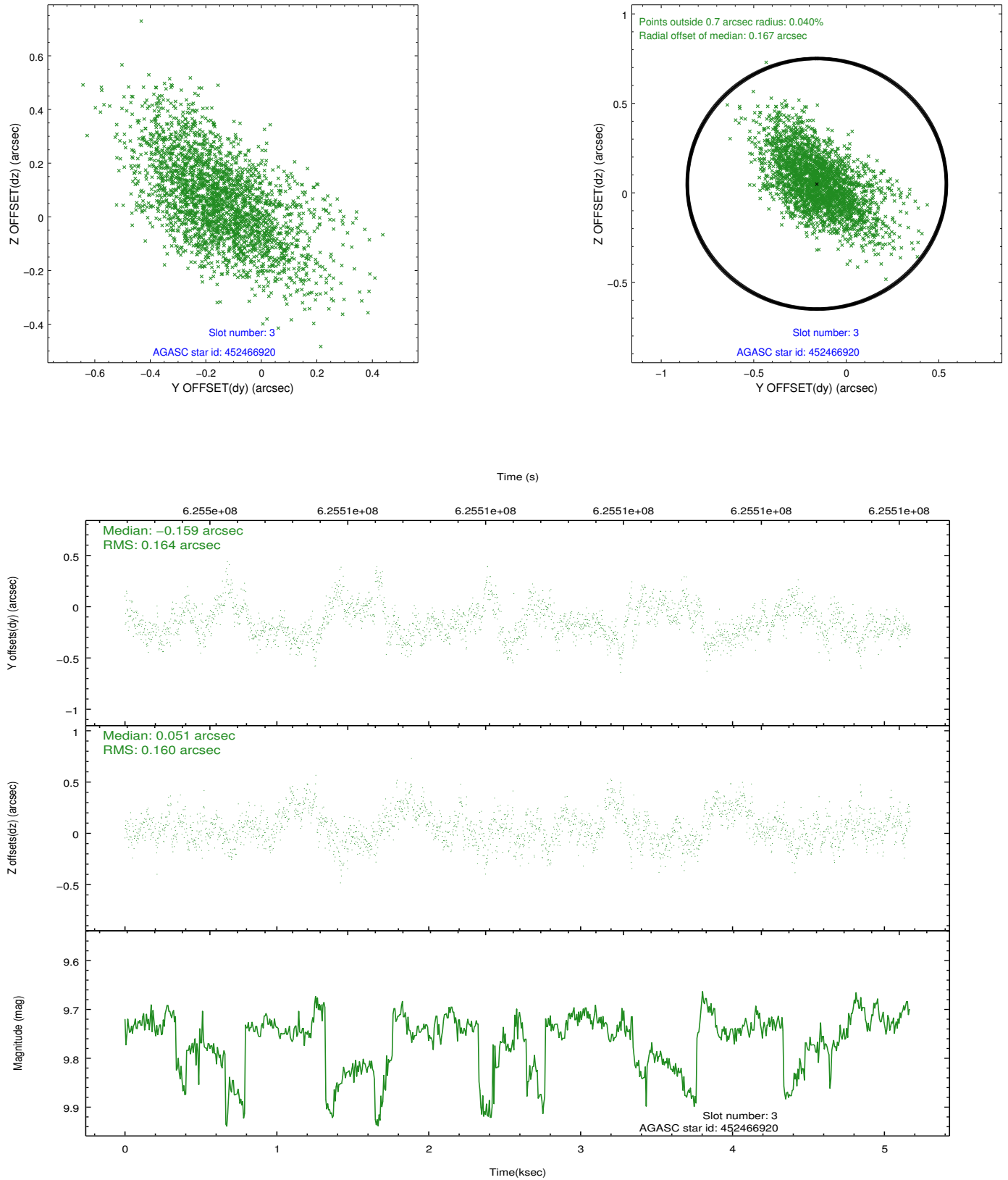


Slot Statistics

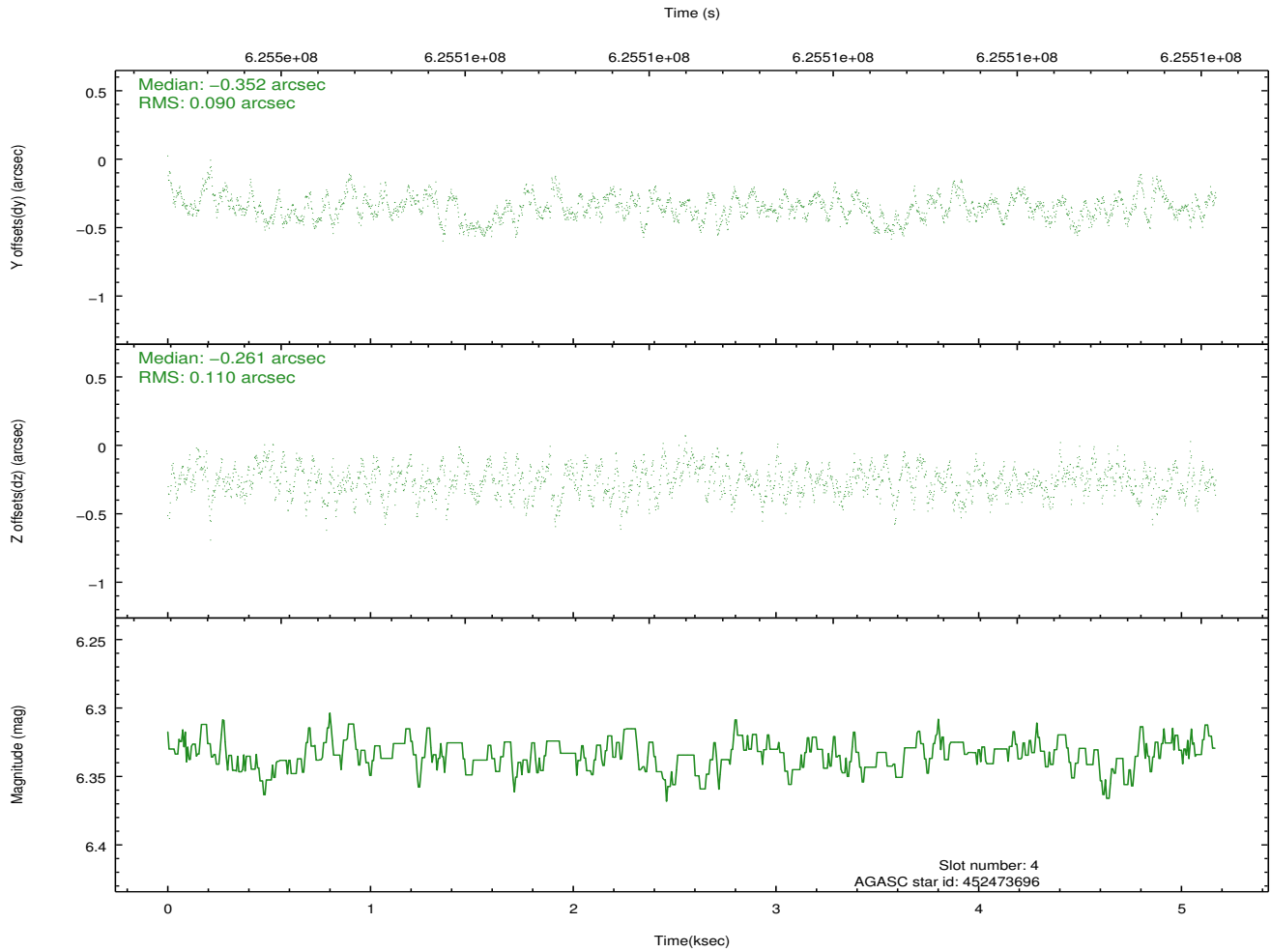
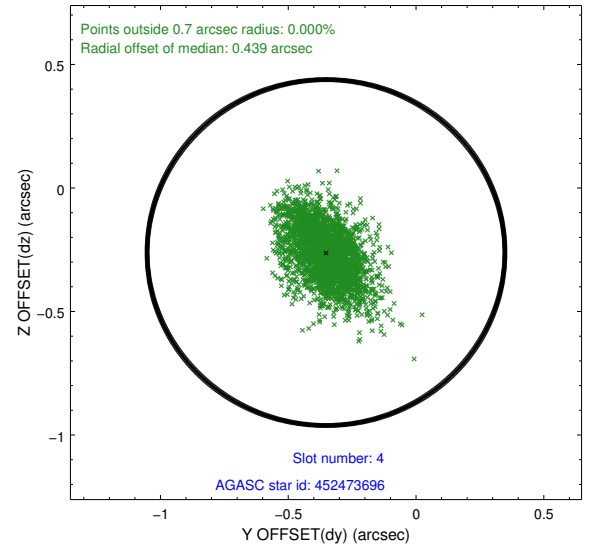
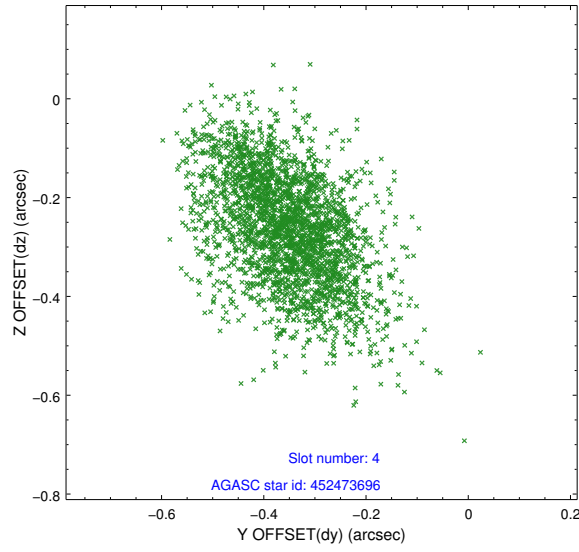
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.16	1261	-0.222	-0.136	0.009	0.016	0.000000	0.000000	-770.40	-1741.32
1	FID		ACIS-S-4	7.27	1261	0.567	0.143	0.006	0.011	0.000000	0.000000	2143.08	166.30
2	FID		ACIS-S-5	7.26	1261	-0.376	0.001	0.010	0.021	0.000000	0.000000	-1821.94	161.06
3	GUIDE	used	452466920	9.75	2515	-0.159	0.051	0.234	0.421	176.002077	46.445287	2094.03	-1771.05
4	GUIDE	used	452473696	6.33	2523	-0.352	-0.261	0.150	0.247	174.639632	46.834203	177.17	1330.10
5	GUIDE	used	452474296	9.41	2515	0.337	0.309	0.177	0.298	175.196051	46.137456	-181.40	-1507.78
6	GUIDE	used	452474760	8.89	2521	-0.257	0.041	0.171	0.292	175.631749	46.506608	1473.93	-1060.24
7	GUIDE	used	452341880	8.63	2522	0.424	-0.153	0.147	0.258	173.694474	46.596663	-2205.07	2032.21

2.4 Star Slots

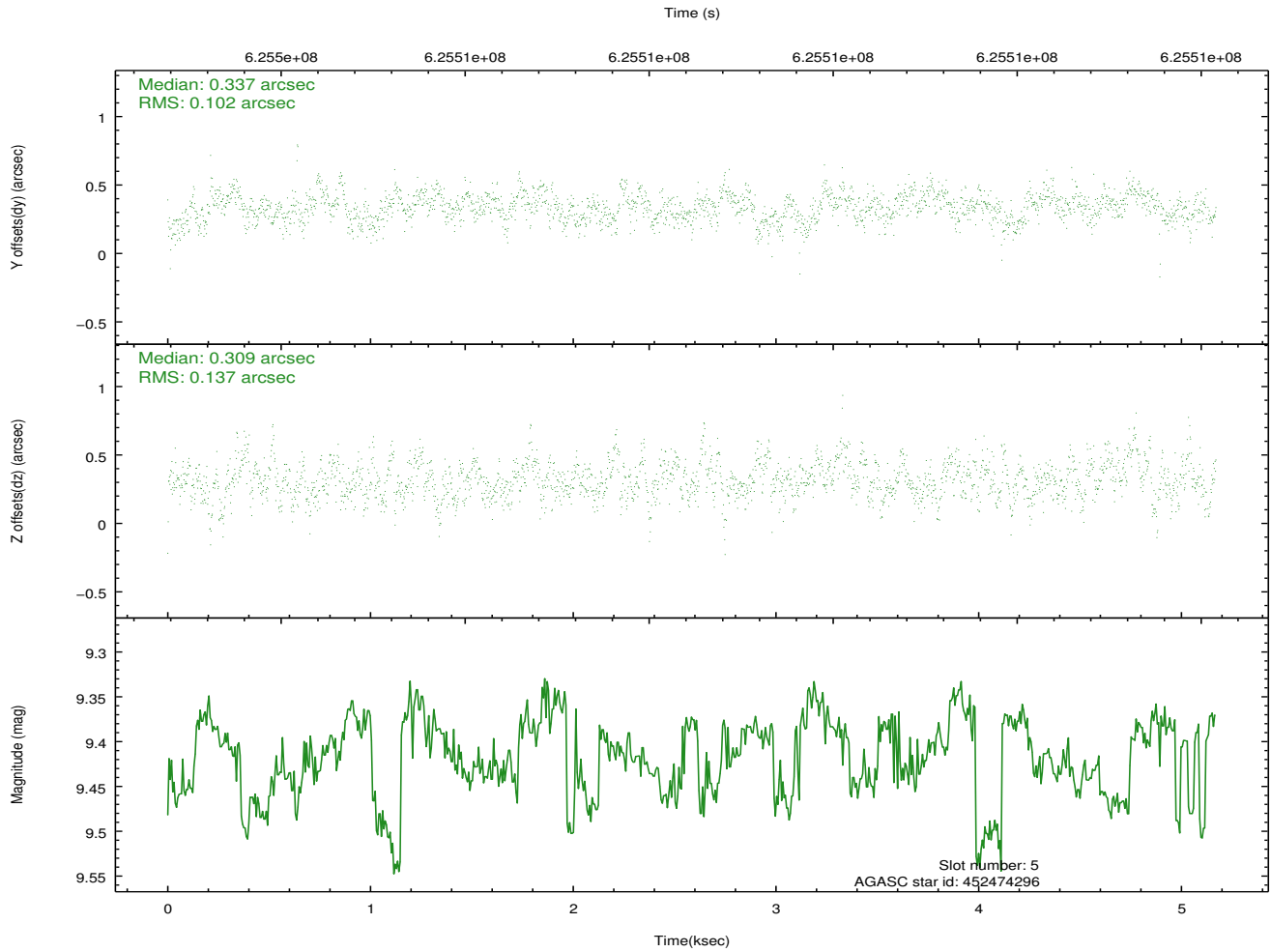
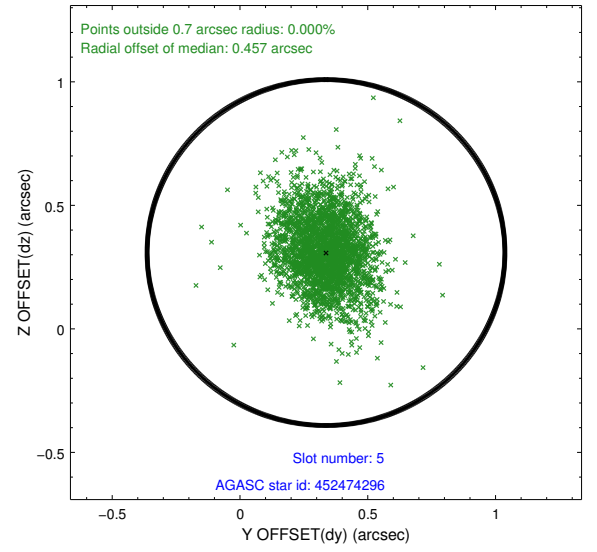
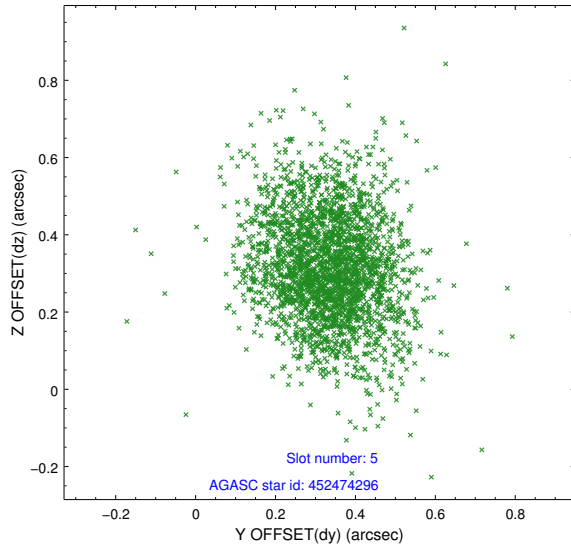
2.4.1 Slot 3



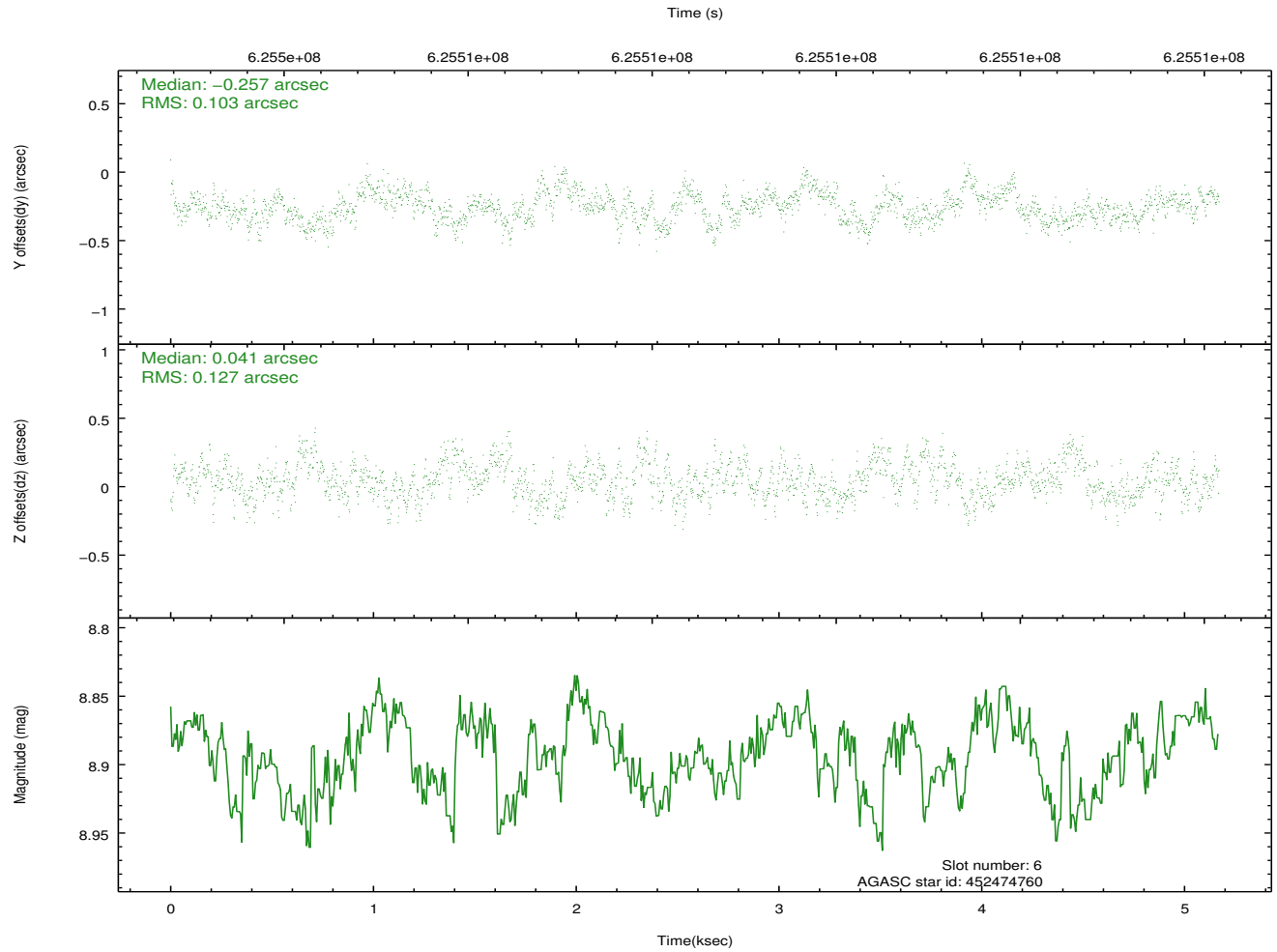
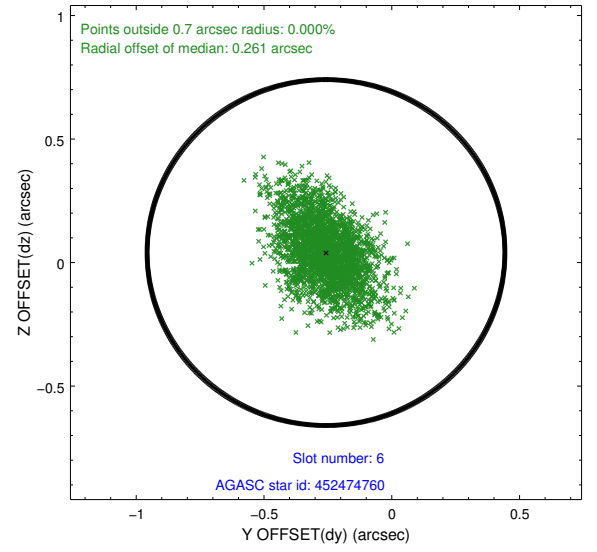
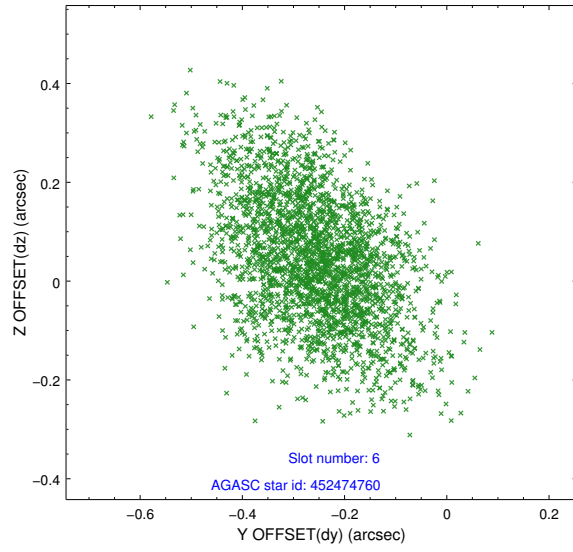
2.4.2 Slot 4



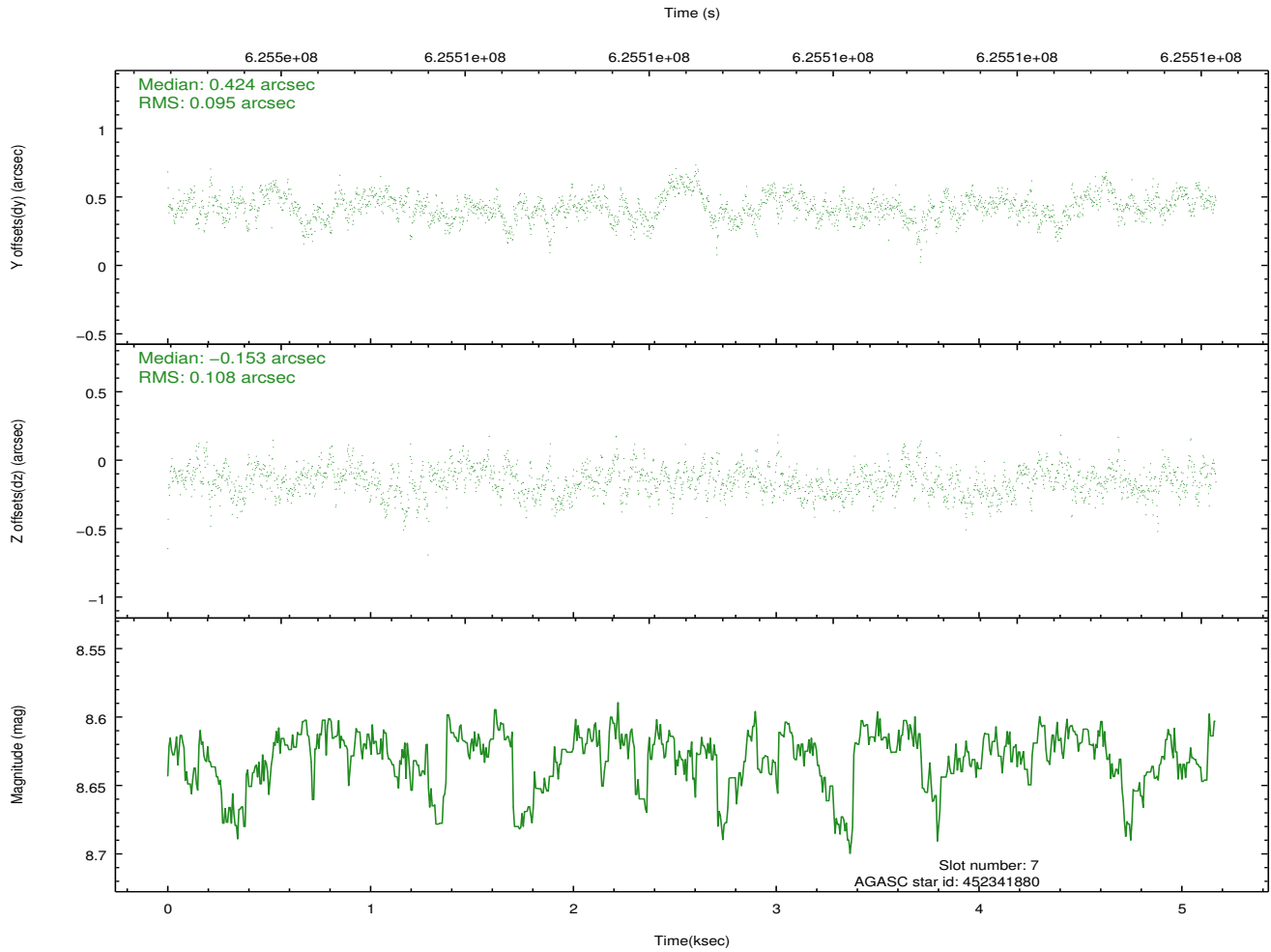
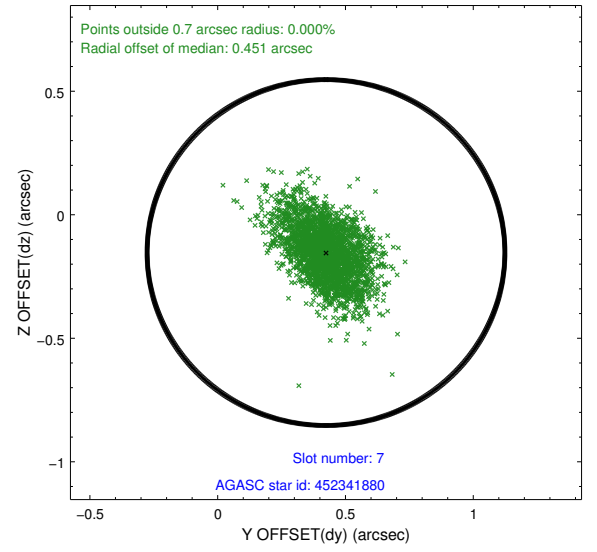
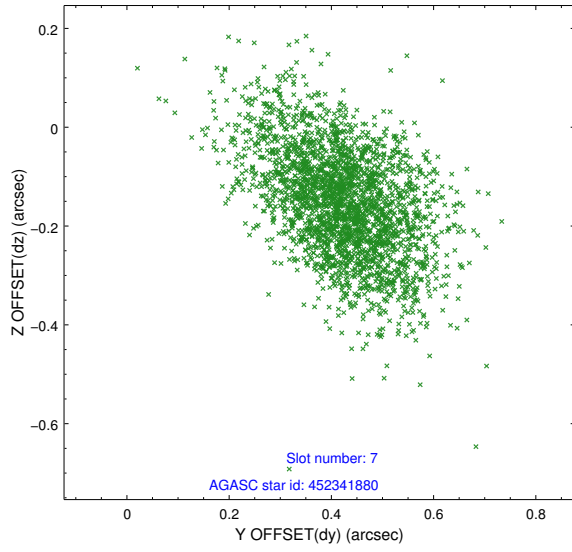
2.4.3 Slot 5



2.4.4 Slot 6

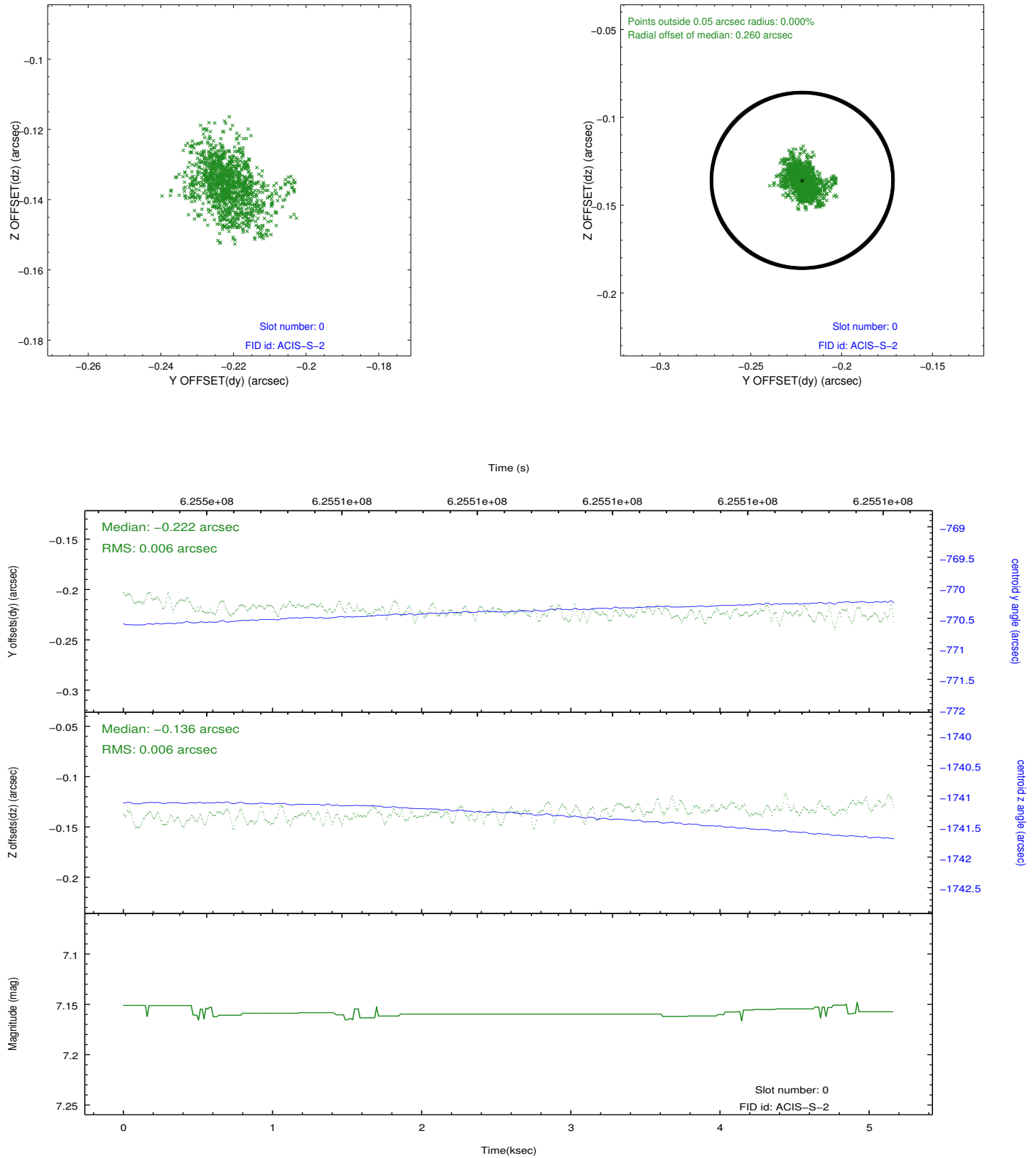


2.4.5 Slot 7

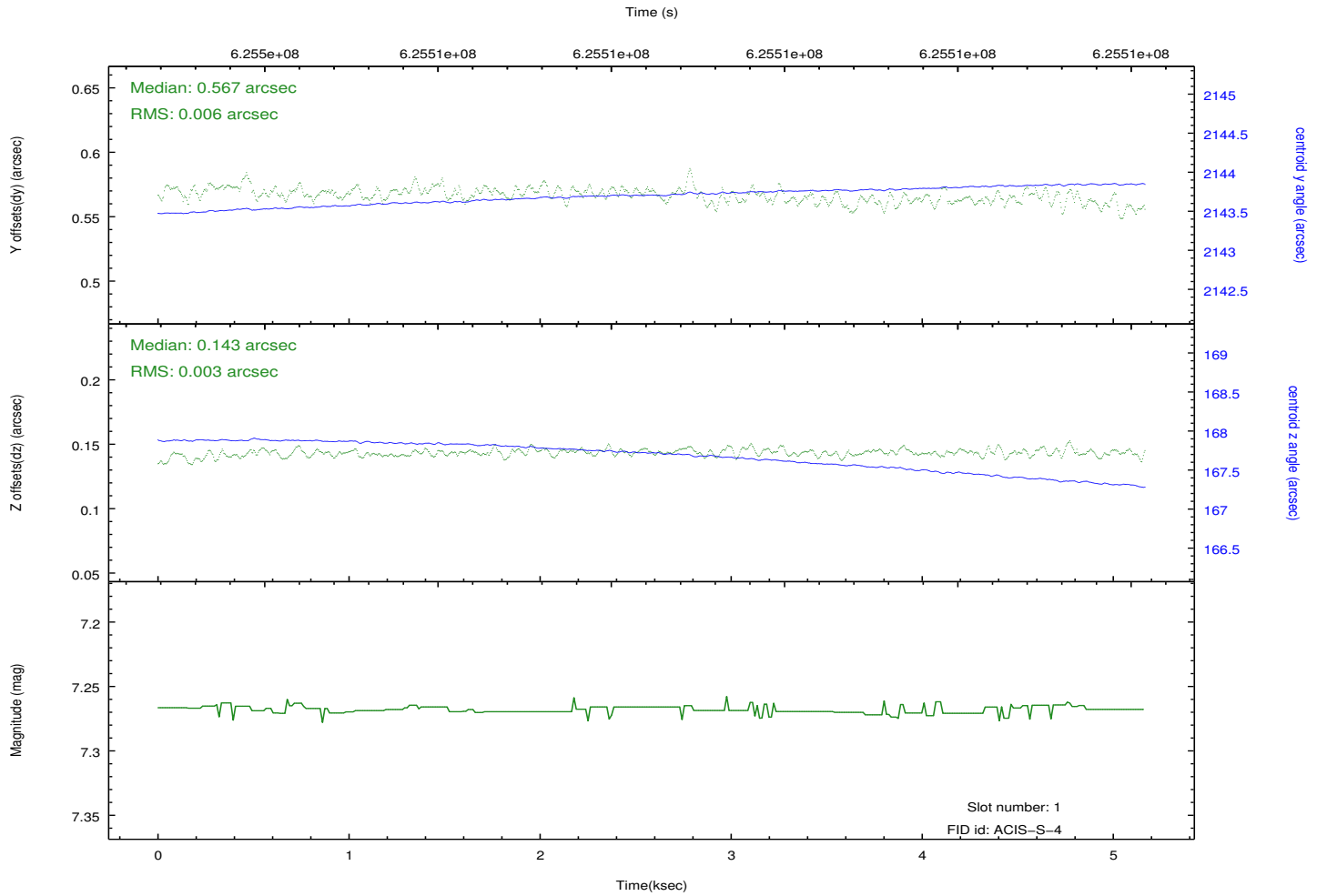
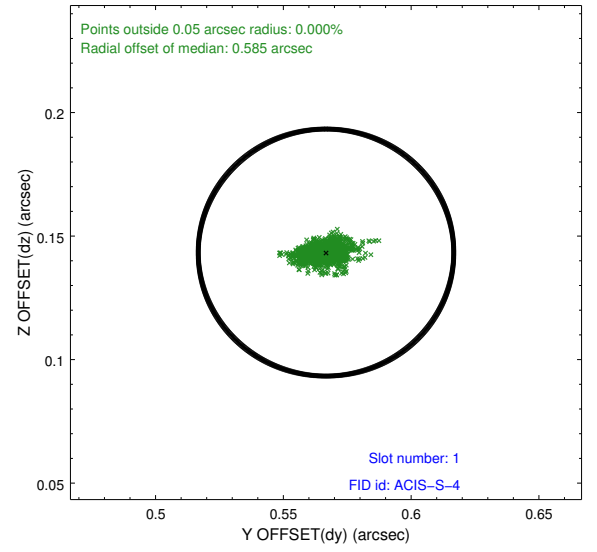
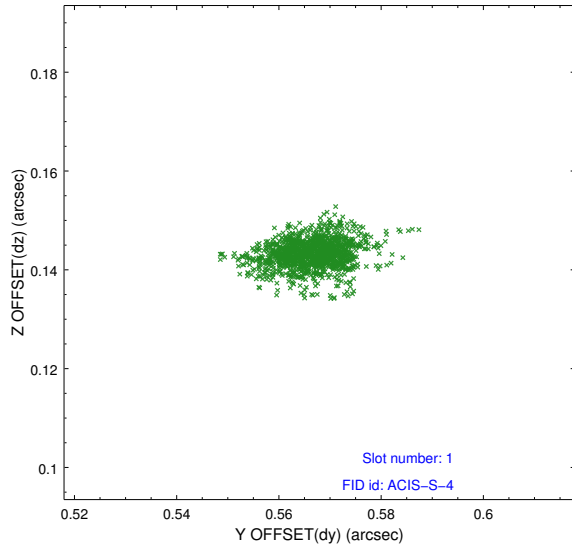


2.5 FID Slots

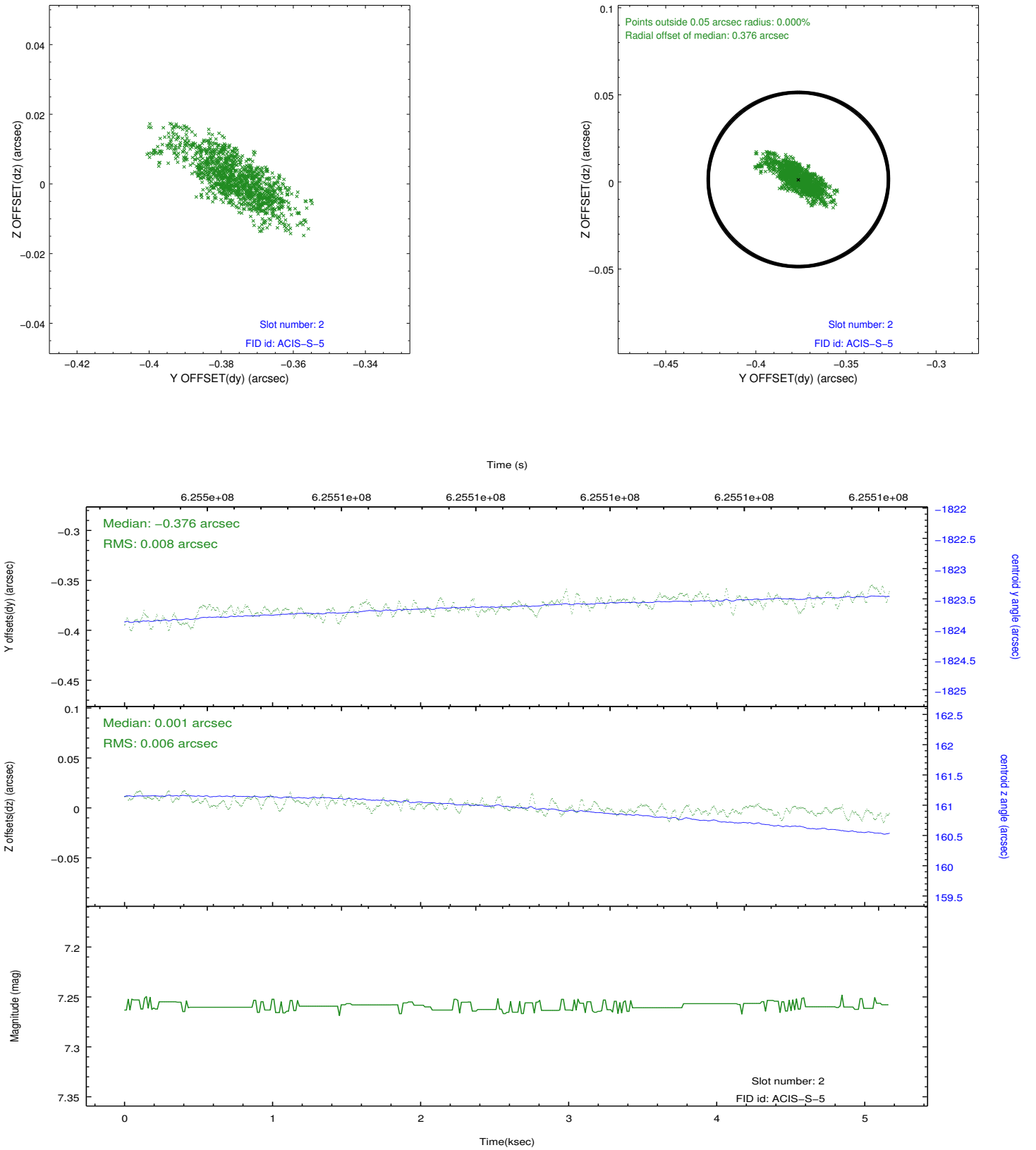
2.5.1 Slot 0



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)	2017.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.947200073719

A.2 Comments