

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19584 - L2 Version 1
Chandra X-Ray Center

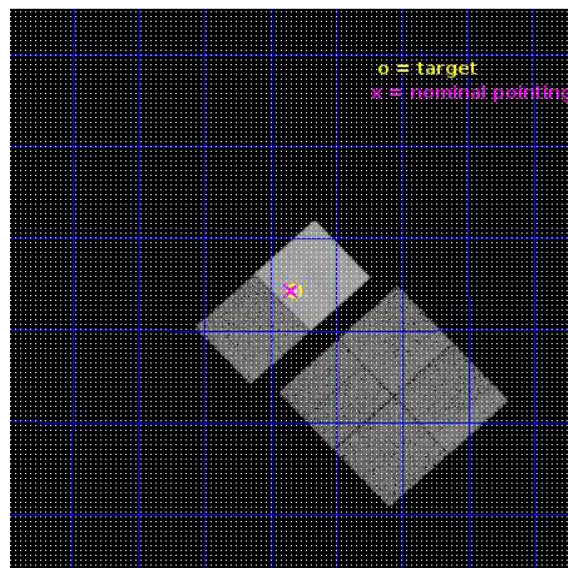
L2 Processing Date : Nov 15 2017

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1 Front

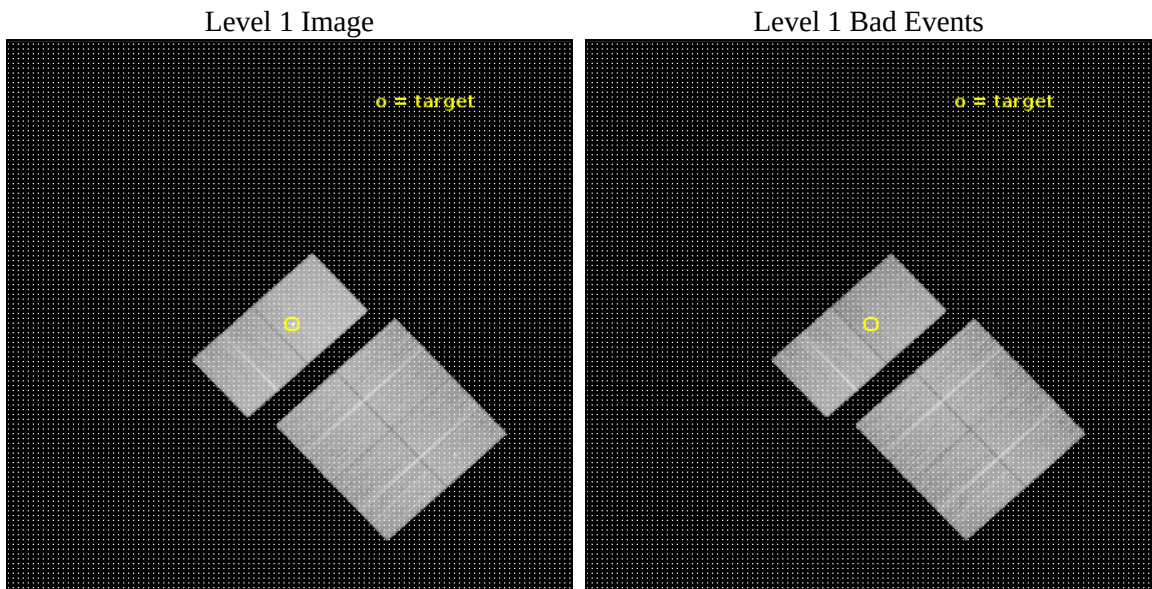
seq_num	801674	Sequence number
obs_id	19584	Observation id
title	The Unusually High Concentration of the Fossil Group NGC 6482	Prop
observer	David Buote	Principal investigator
object	NGC 6482	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.953333	Observer's specified target RA [deg]
dec_targ	23.071944	Observer's specified target Dec [deg]
ra_nom	267.95998396171	Nominal RA [deg]
dec_nom	23.072398556616	Nominal Dec [deg]
roll_nom	317.15401131963	Nominal Roll [deg]
revision	1	Processing version of data
ontime	27960.105765462	Sum of GTIs [s]
livetime	27606.058070705	Livetime [s]
ontime0	27960.146805406	Sum of GTIs [s]
ontime1	27956.700625062	Sum of GTIs [s]
ontime2	27956.741645217	Sum of GTIs [s]
ontime3	27960.023685455	Sum of GTIs [s]
ontime6	27960.064725399	Sum of GTIs [s]
ontime7	27960.105765462	Sum of GTIs [s]
l2events	201345	Number of level 2 events



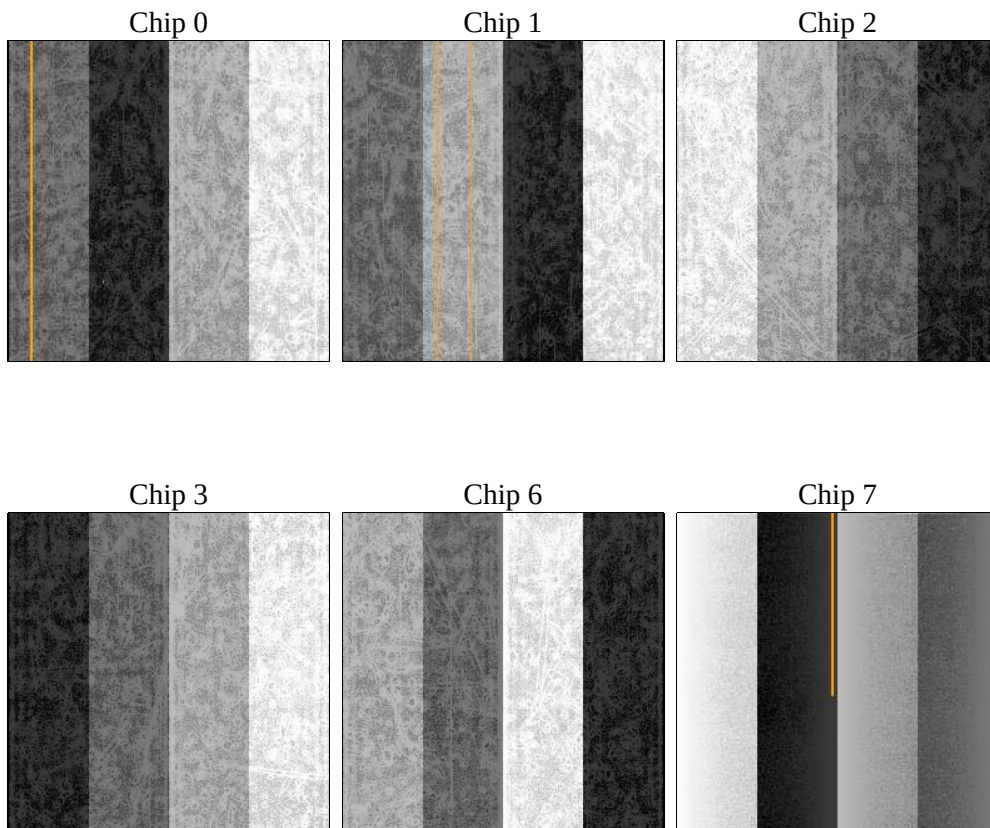
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	27960.105765462	Sum of GTIs [s]
caldsver	4.7.6	 	ontime0	27960.146805406	Sum of GTIs [s]
date	2017-11-15T04:42:32	Date and time of file creation	ontime1	27956.700625062	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	27956.741645217	Sum of GTIs [s]
			ontime3	27960.023685455	Sum of GTIs [s]
			ontime6	27960.064725399	Sum of GTIs [s]
			ontime7	27960.105765462	Sum of GTIs [s]
			l1events	1181868	Number of level 1 events

2.1.4 Events

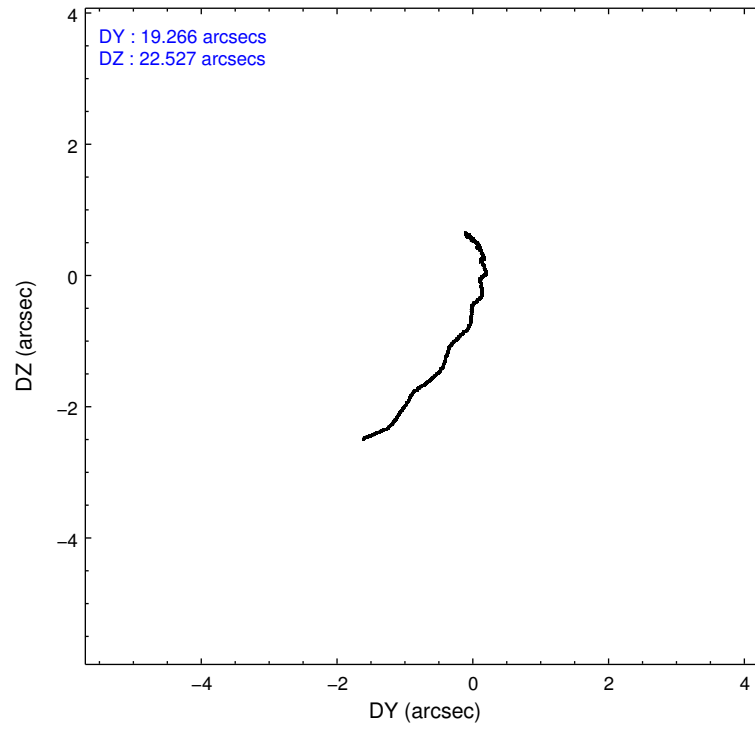
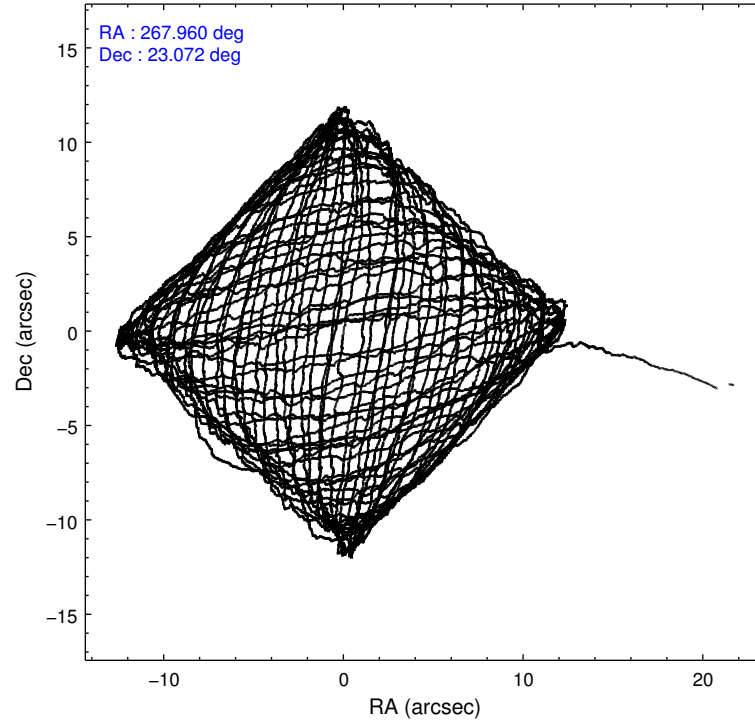
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	179213	177943	190923	184829	196664	252296	grade 0 events	7437	8550	7218	7479	7643	10862
rejected events	157320	154016	170402	164454	174352	139160		4%	4%	3%	4%	3%	4%
rejected %	87%	86%	89%	88%	88%	55%	grade 1 events	120	83	115	110	103	354
								0%	0%	0%	0%	0%	0%
							grade 2 events	5765	5940	5211	4486	5242	24658
								3%	3%	2%	2%	2%	9%
							grade 3 events	2197	2203	1996	2088	2204	9084
								1%	1%	1%	1%	1%	3%
							grade 4 events	2041	2129	2125	2104	2106	9188
								1%	1%	1%	1%	1%	3%
							grade 5 events	8518	8439	7427	9120	9185	24227
								4%	4%	3%	4%	4%	9%
							grade 6 events	4456	5109	3971	4220	5120	59366
								2%	2%	2%	2%	2%	23%
							grade 7 events	148679	145490	162860	155222	165061	114557
								82%	81%	85%	83%	83%	45%

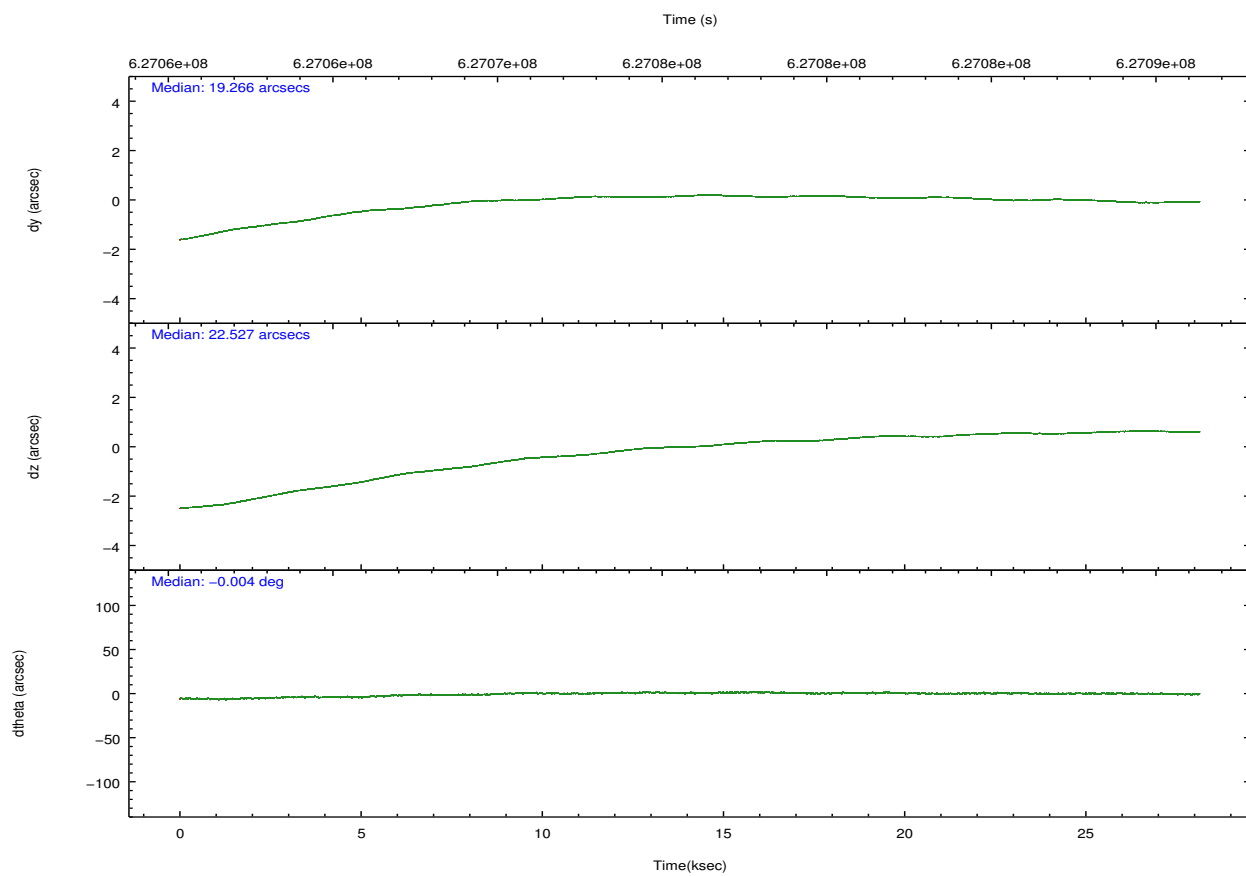
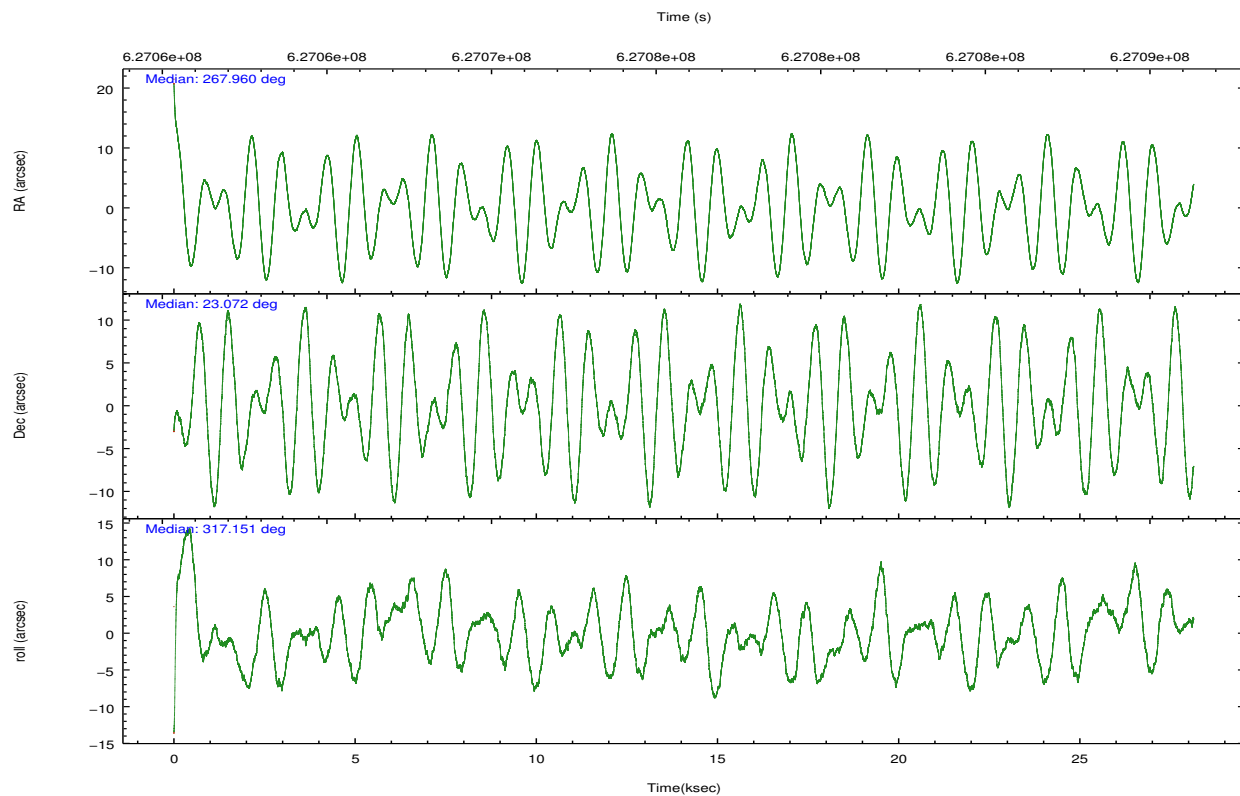
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	267.930810	267.9599839617071
[deg] Pointing Dec	23.078152	23.07239855661647
[deg] Pointing Roll	317.008824	317.1540113196348
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	627061903.184000	627060560.3867199
Observation start date	2017-11-14T15:50:34	2017-11-14T15:29:20
[s] Observation end time (MET)	627089903.184000	627090837.35101
Observation end date	2017-11-14T23:37:14	2017-11-14T23:53:57
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	O2	Y
CCD I1 on	O1	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



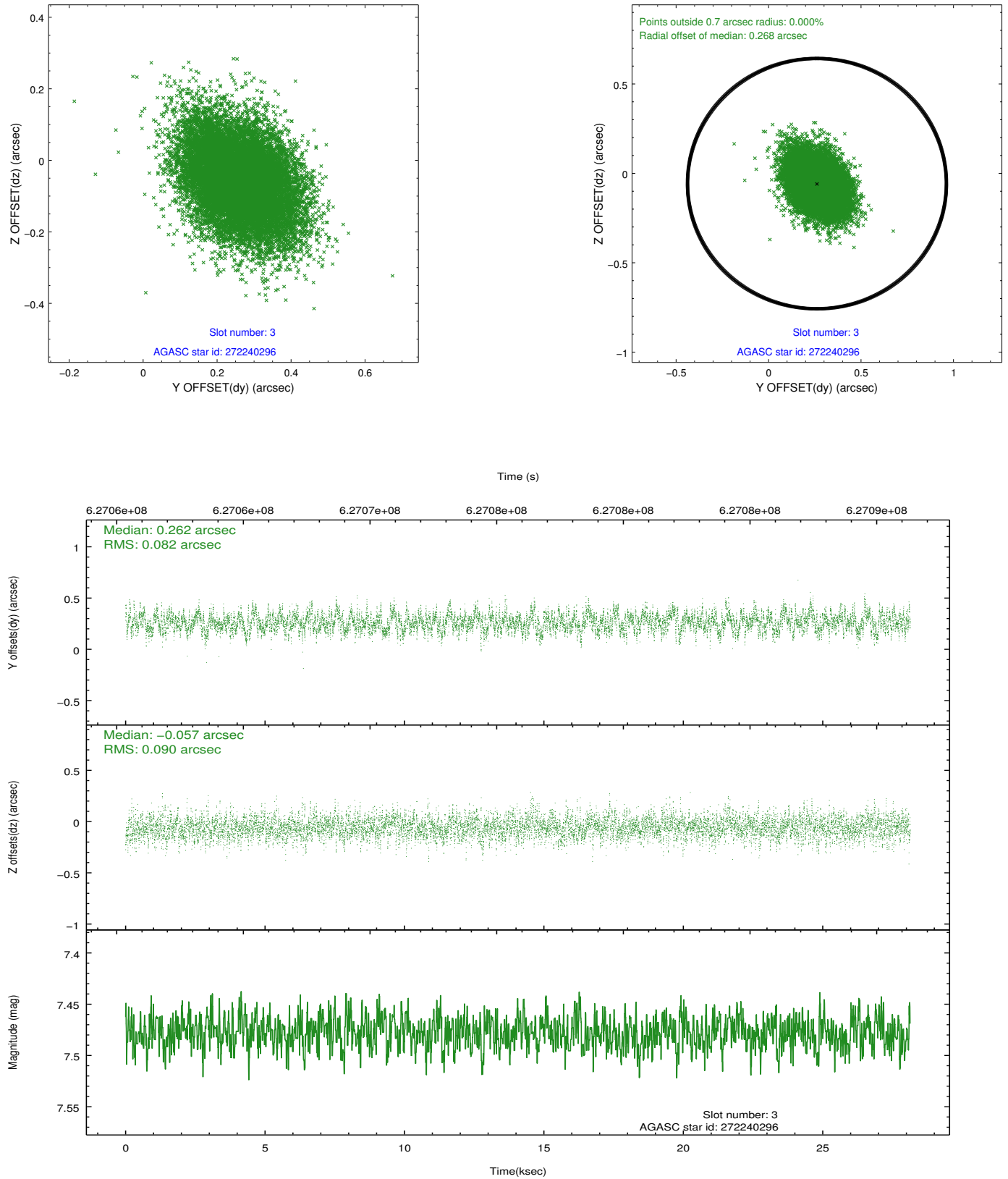


Slot Statistics

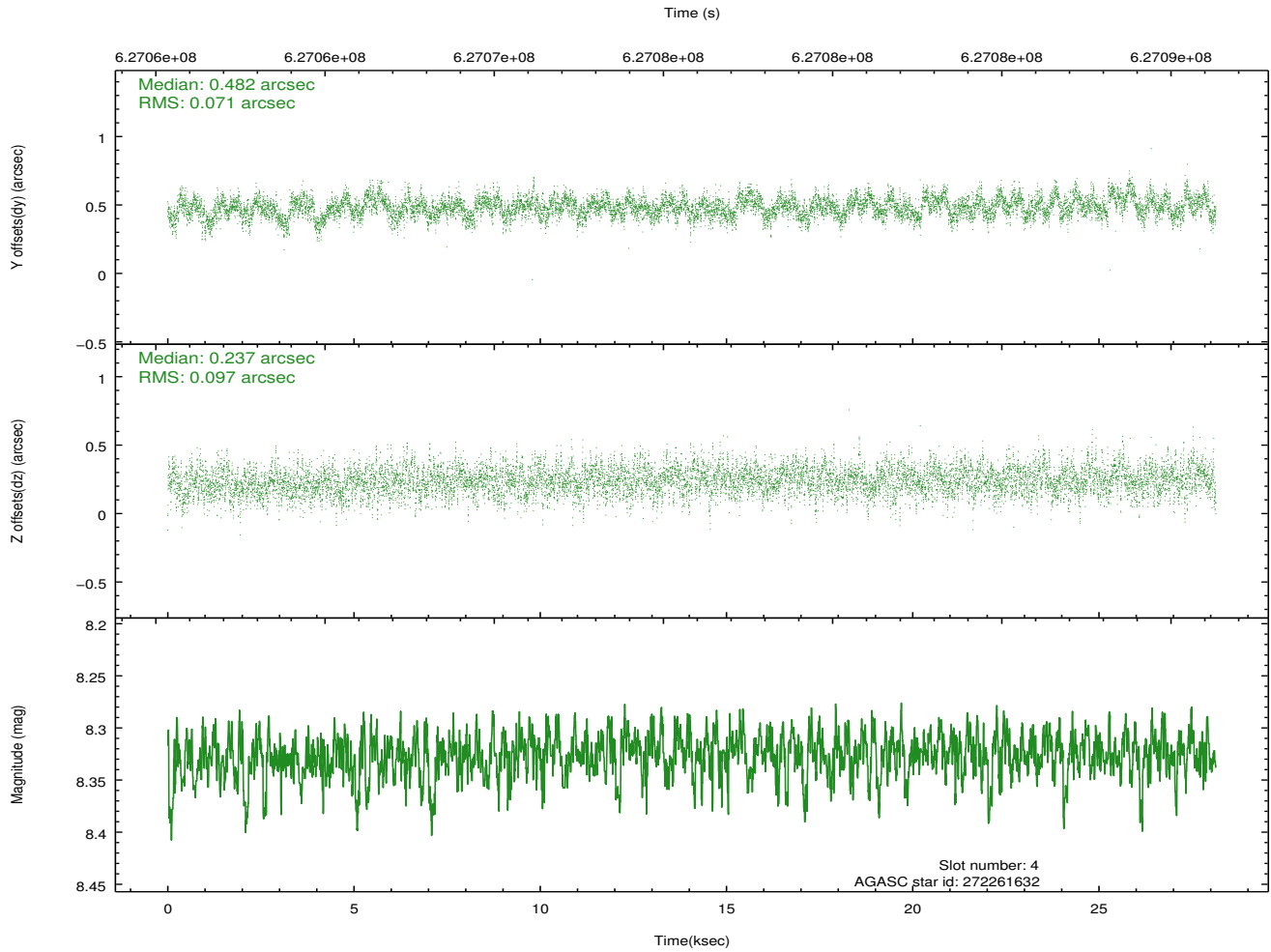
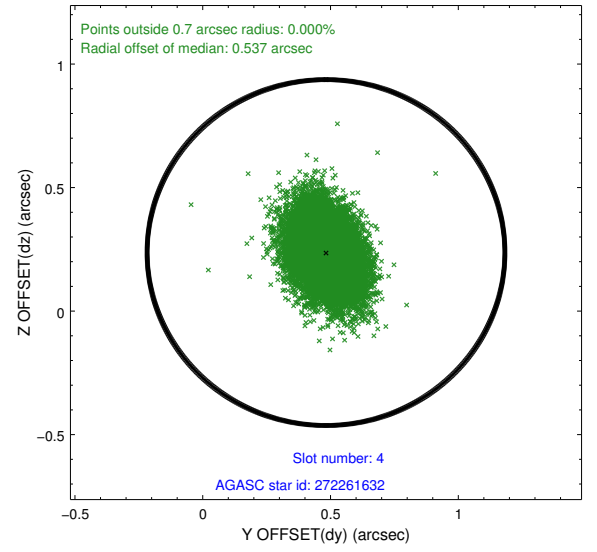
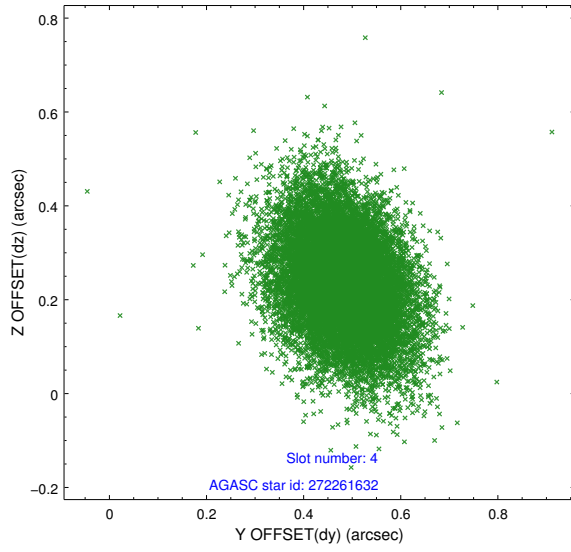
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.02	6864	-0.228	-0.140	0.015	0.055	0.000000	0.000000	-772.40	-1743.85
1	FID		ACIS-S-4	7.13	6864	0.506	0.147	0.010	0.025	0.000000	0.000000	2141.56	164.83
2	FID		ACIS-S-5	7.13	6864	-0.310	0.001	0.014	0.033	0.000000	0.000000	-1825.22	158.43
3	GUIDE	used	272240296	7.48	13728	0.262	-0.057	0.128	0.214	267.638660	23.255916	-1143.39	-189.96
4	GUIDE	used	272261632	8.33	13720	0.482	0.237	0.125	0.212	267.202505	22.973470	-1512.01	-1917.32
5	GUIDE	used	273947936	8.62	13714	-0.712	0.758	0.151	0.260	268.042297	23.322703	-331.53	896.23
6	GUIDE	used	273969496	8.96	13712	0.114	-0.449	0.175	0.295	268.396476	22.968275	1398.48	764.57
7	GUIDE	used	273948672	8.84	13715	-0.145	-0.493	0.163	0.274	268.631849	23.232305	1314.41	1991.15

2.4 Star Slots

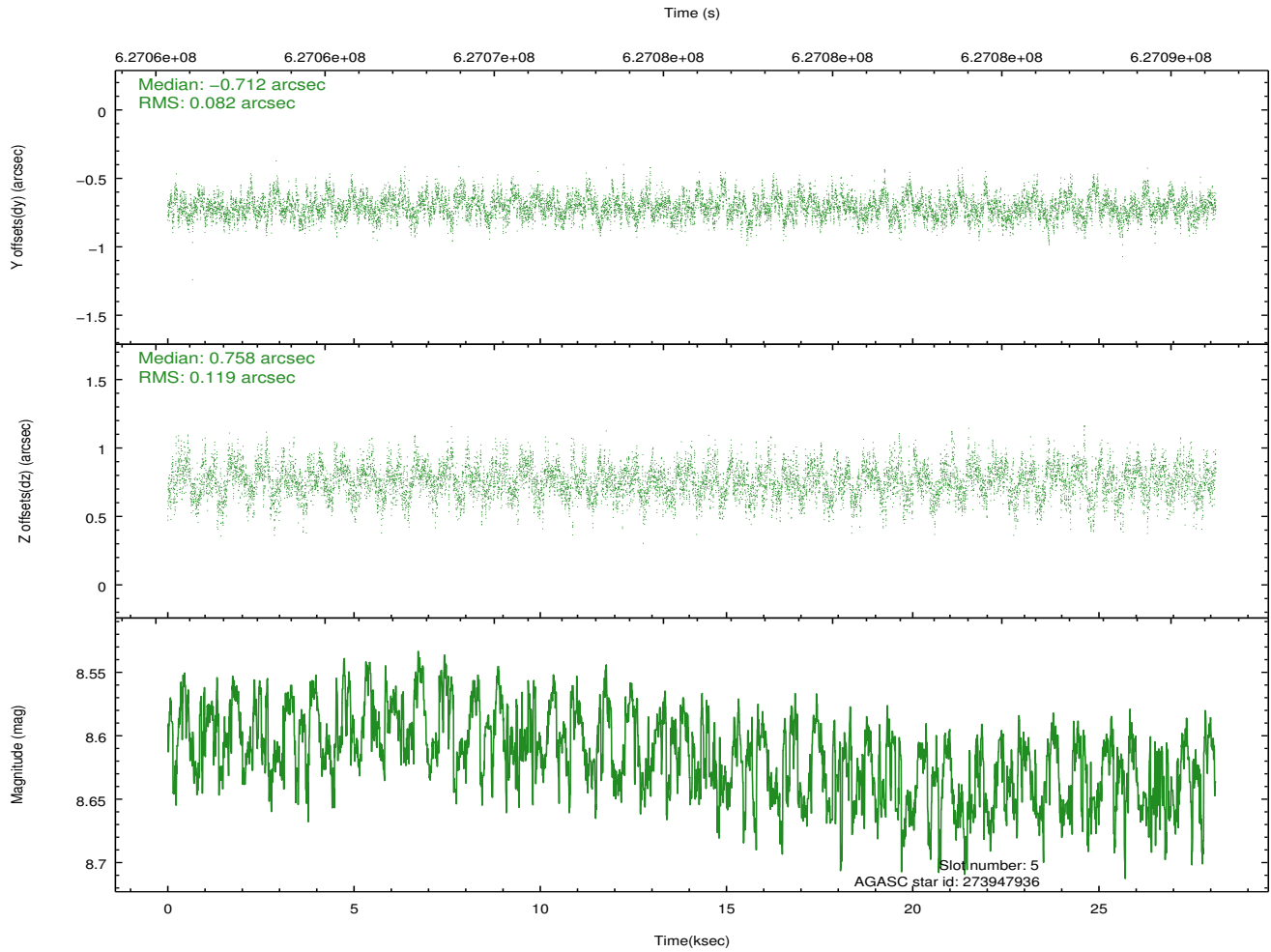
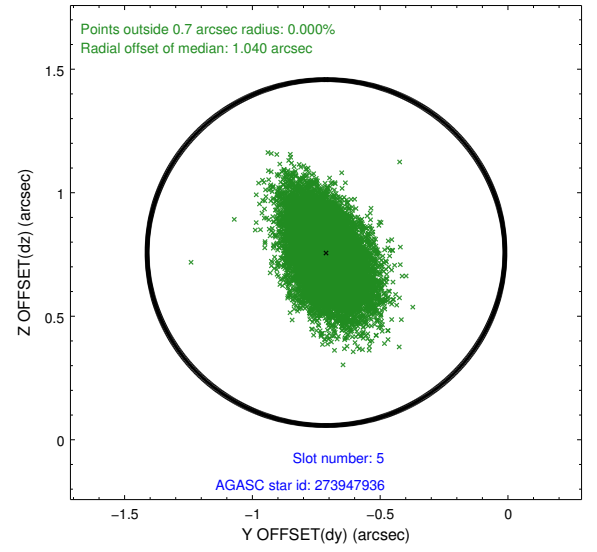
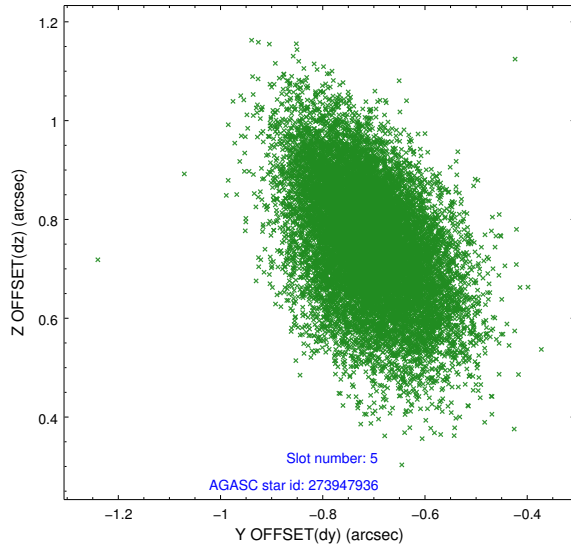
2.4.1 Slot 3



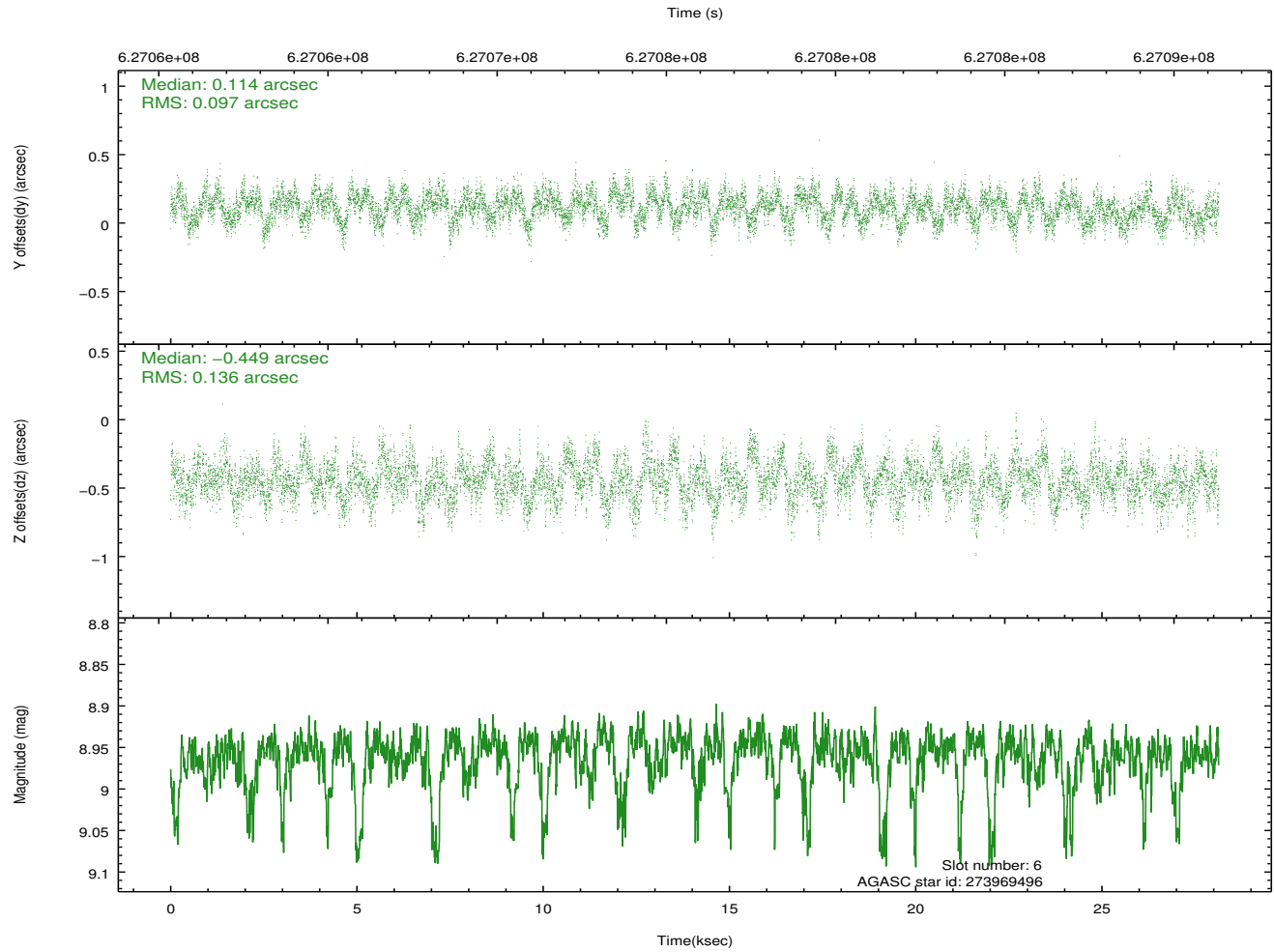
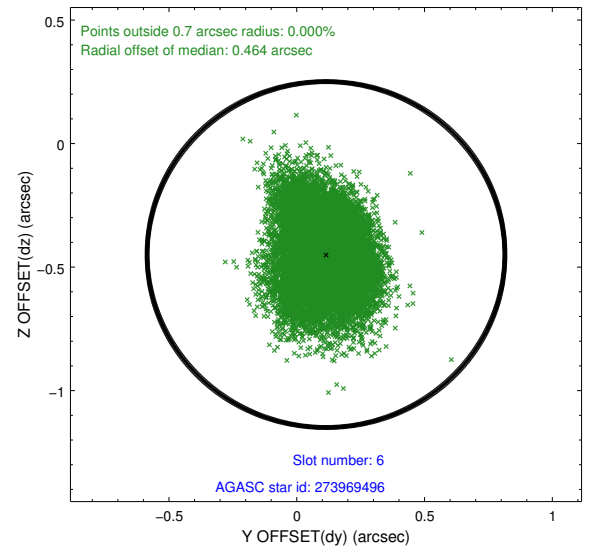
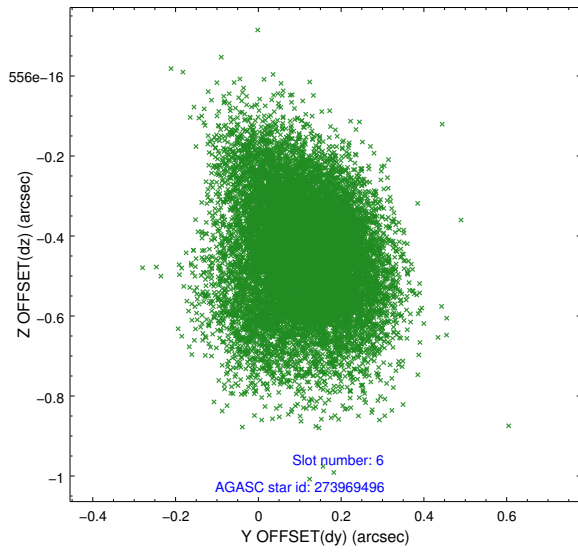
2.4.2 Slot 4



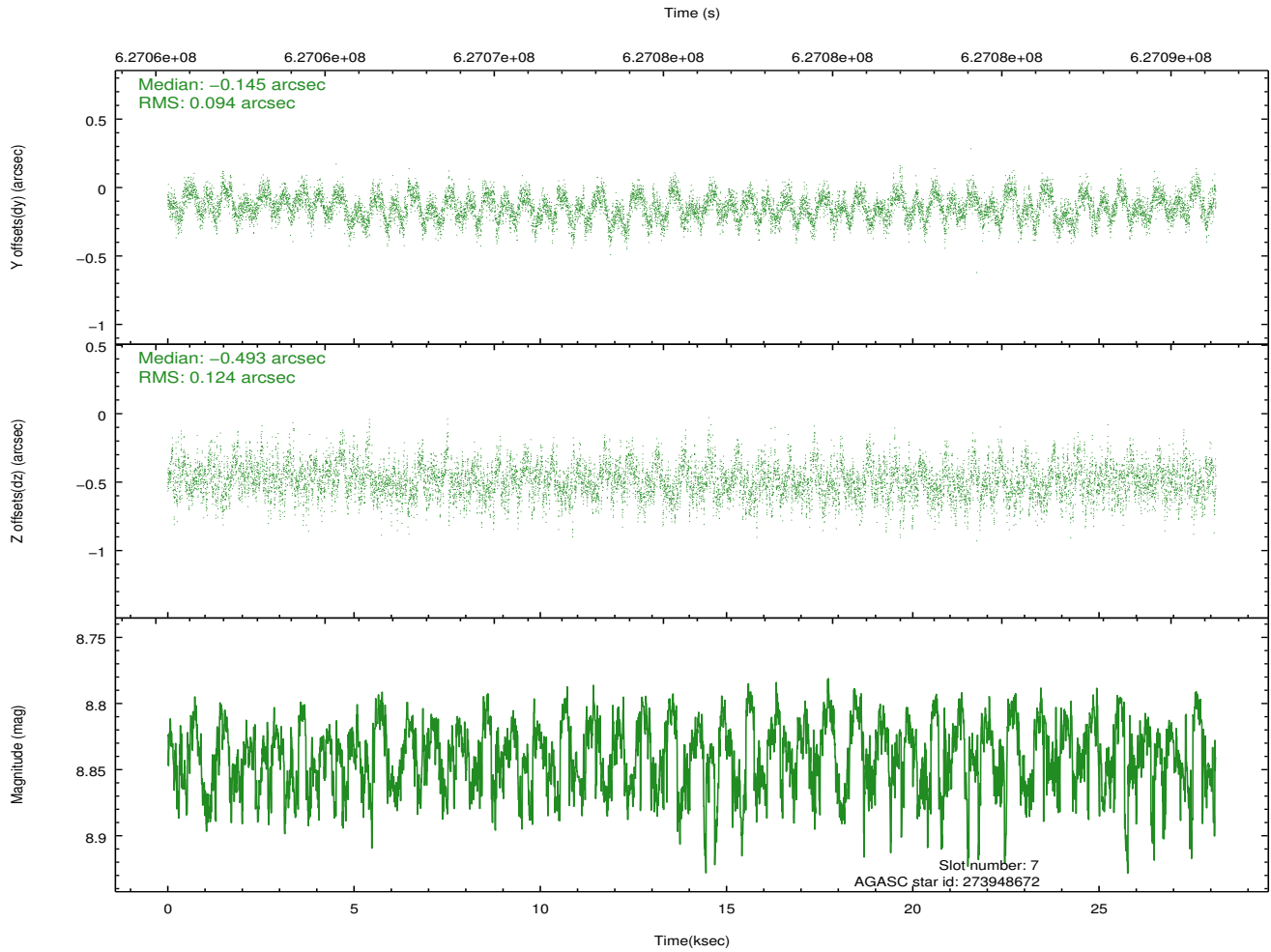
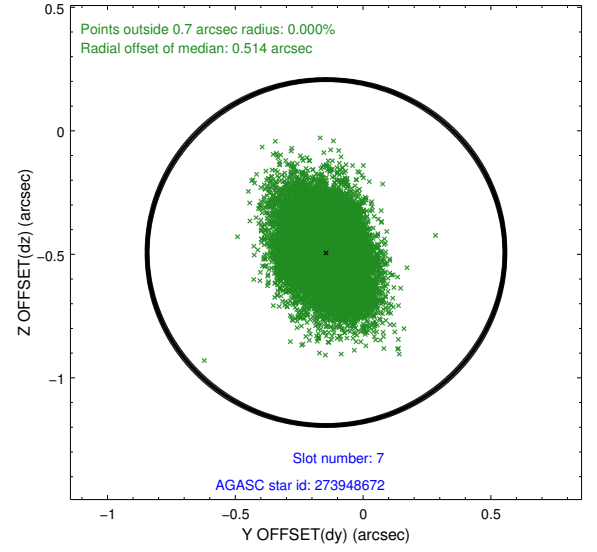
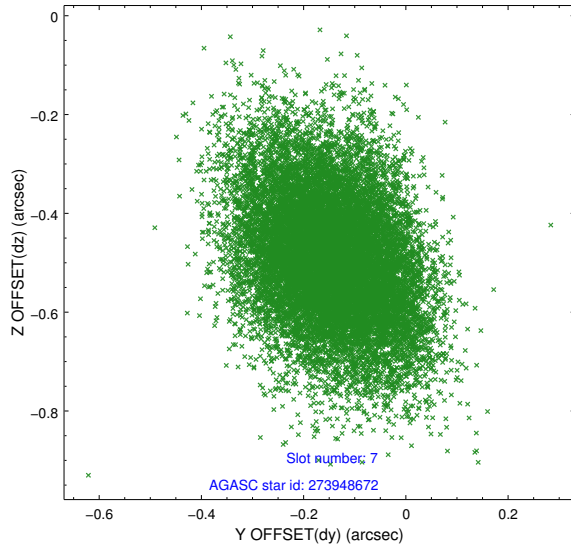
2.4.3 Slot 5



2.4.4 Slot 6

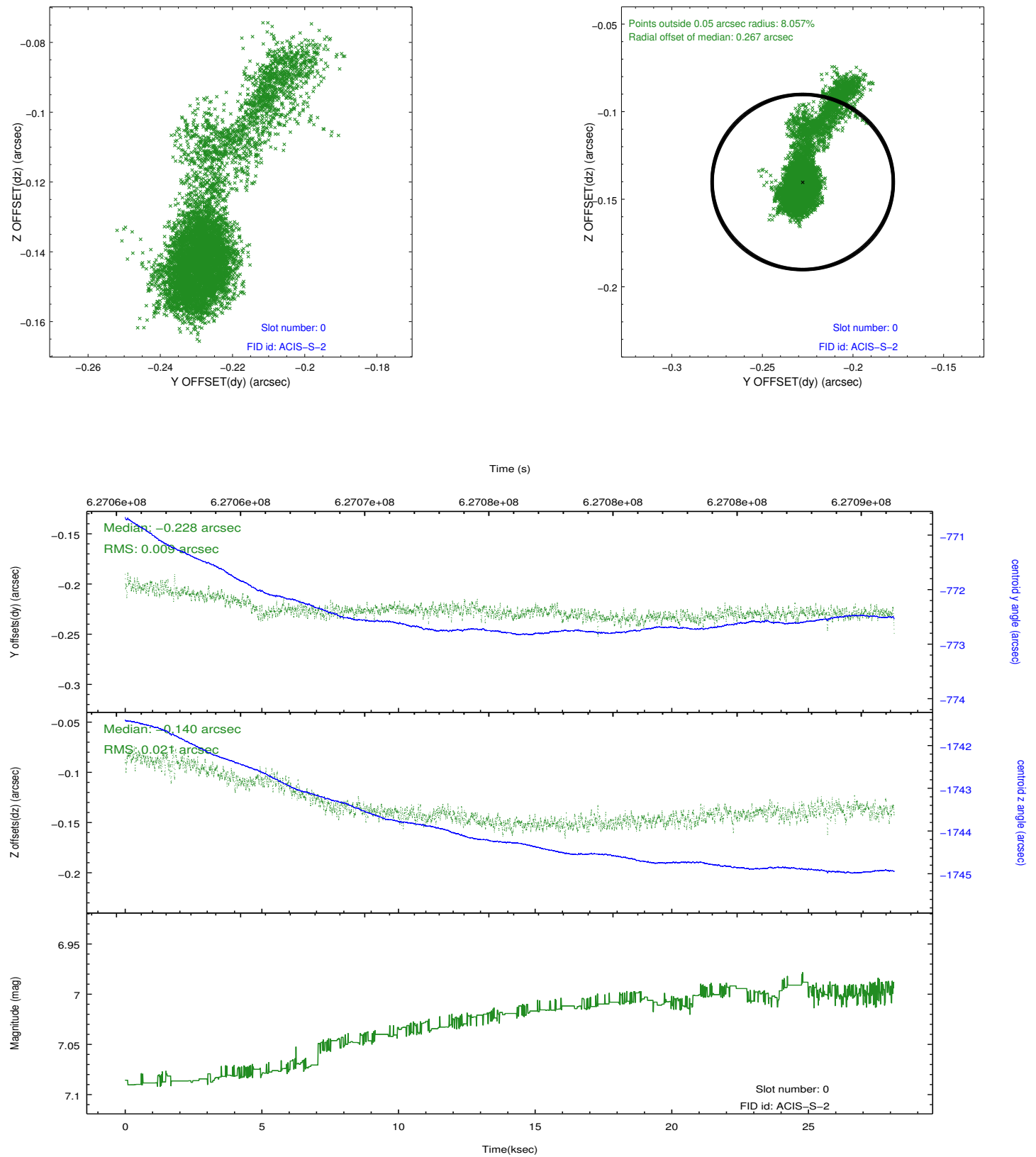


2.4.5 Slot 7

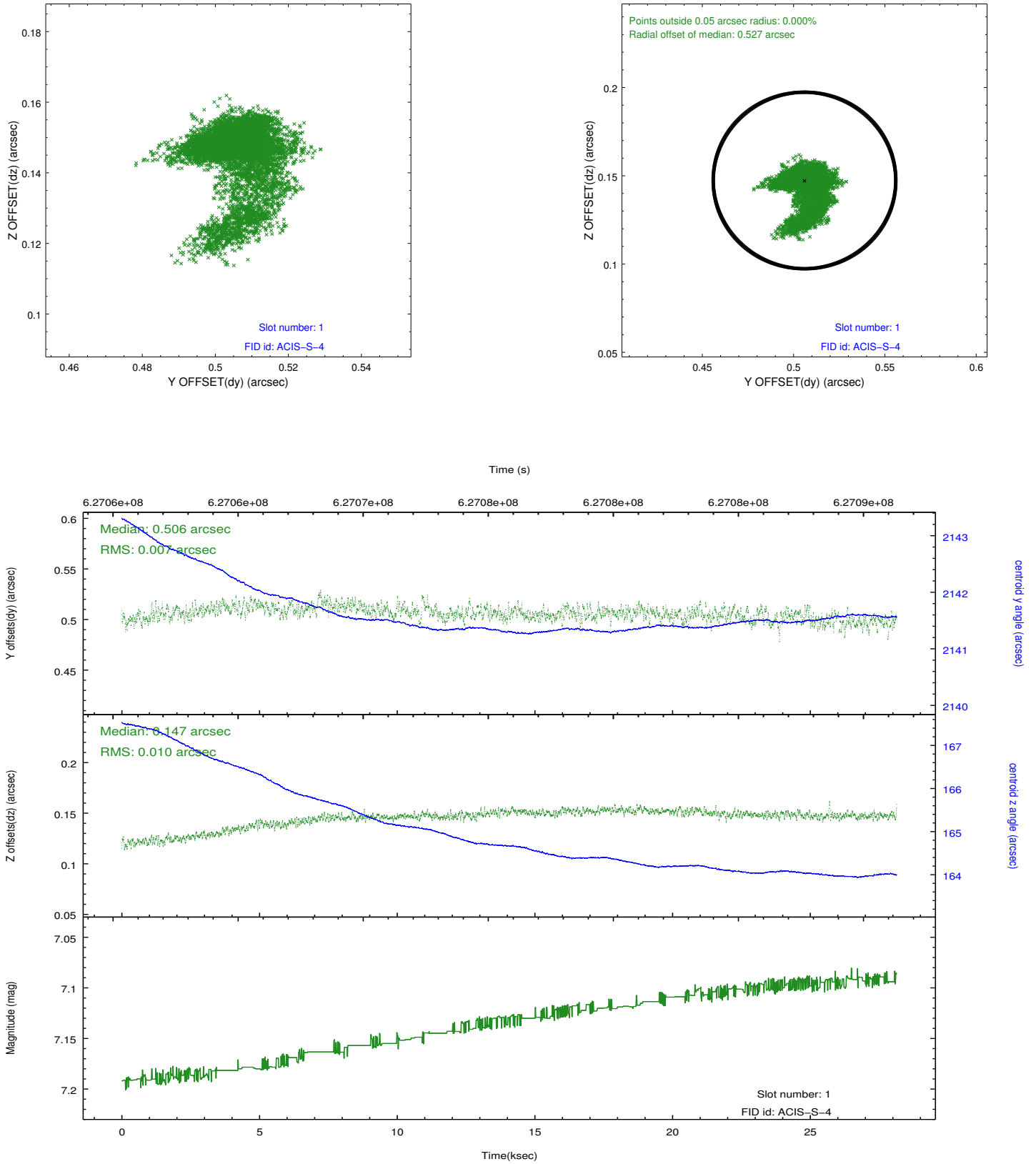


2.5 FID Slots

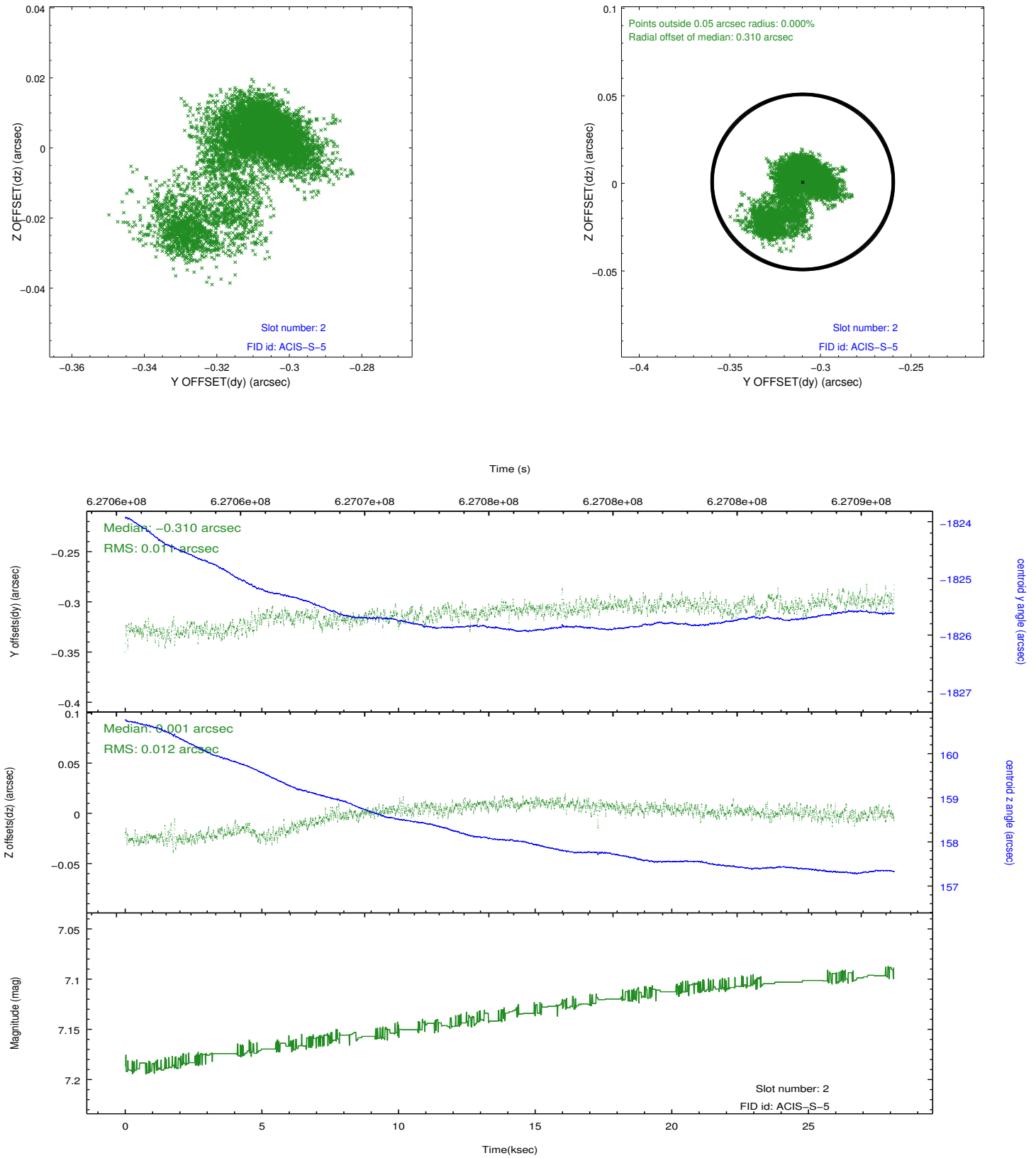
2.5.1 Slot 0



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)	2017.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.960105765462

A.2 Comments