

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4840 - L2 Version 3
Chandra X-Ray Center

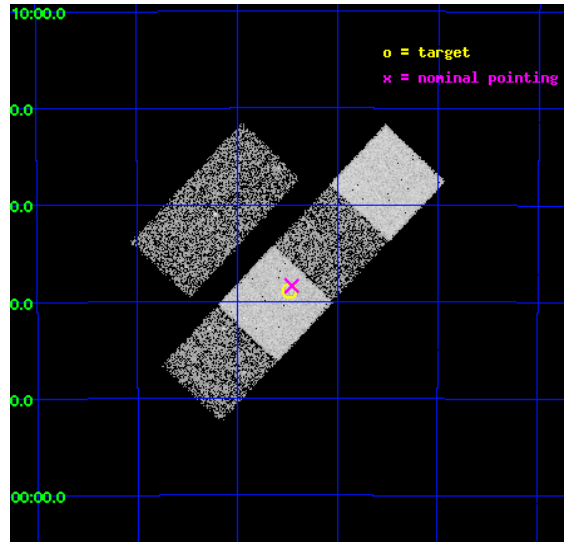
L2 Processing Date : Nov 13 2012

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1 Front

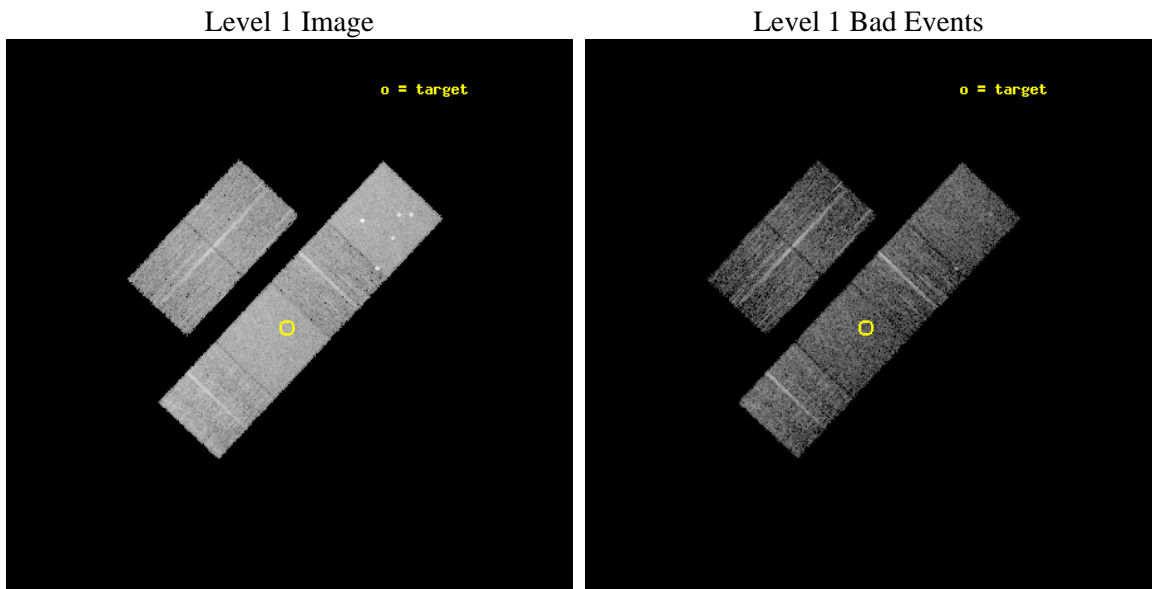
seq_num	700922	Sequence number
obs_id	4840	Observation id
title	Constraining the Hard-X-ray Through Submm SEDs of a Complete Sample of Broad Absorption Line Quasars	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	LBQS 2140-4552	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	325.87171	Observer's specified target RA [deg]
dec_targ	-45.647721	Observer's specified target Dec [deg]
ra_nom	325.86409642879	Nominal RA [deg]
dec_nom	-45.639629508169	Nominal Dec [deg]
roll_nom	133.26335351555	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5755.7800423801	Sum of GTIs [s]
livetime	5682.8968897688	Livetime [s]
ontime2	5755.8210823834	Sum of GTIs [s]
ontime3	5755.6569223702	Sum of GTIs [s]
ontime5	5755.7390023768	Sum of GTIs [s]
ontime6	5755.6979623735	Sum of GTIs [s]
ontime7	5755.7800423801	Sum of GTIs [s]
ontime8	5752.3748125136	Sum of GTIs [s]
l2events	63285	Number of level 2 events



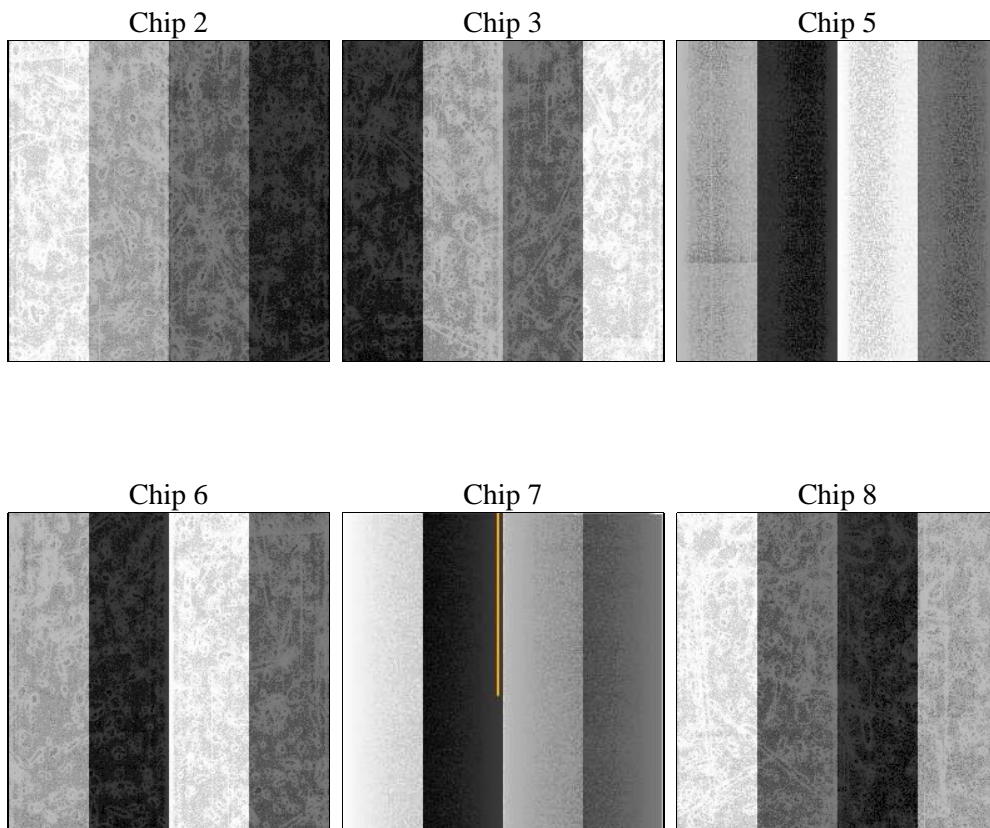
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5755.7800423801	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5755.8210823834	Sum of GTIs [s]
date	2012-11-14T00:14:57	Date and time of file creation	ontime3	5755.6569223702	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5755.7390023768	Sum of GTIs [s]
			ontime6	5755.6979623735	Sum of GTIs [s]
			ontime7	5755.7800423801	Sum of GTIs [s]
			ontime8	5752.3748125136	Sum of GTIs [s]
			l1events	284013	Number of level 1 events

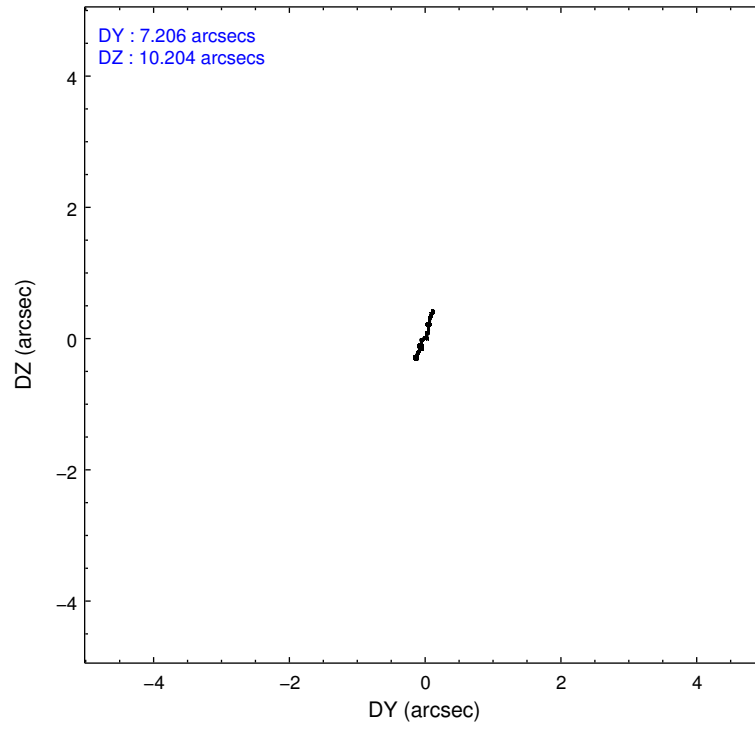
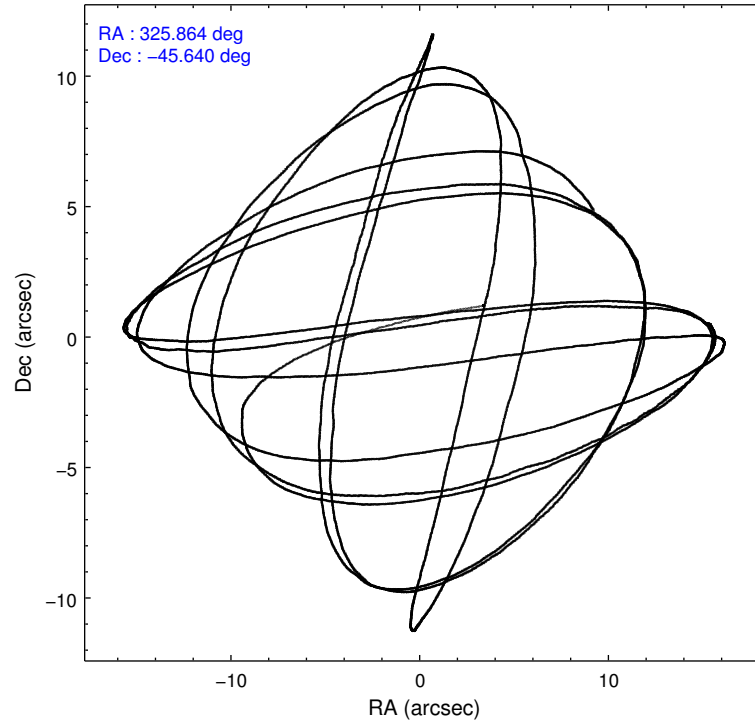
2.1.4 Events

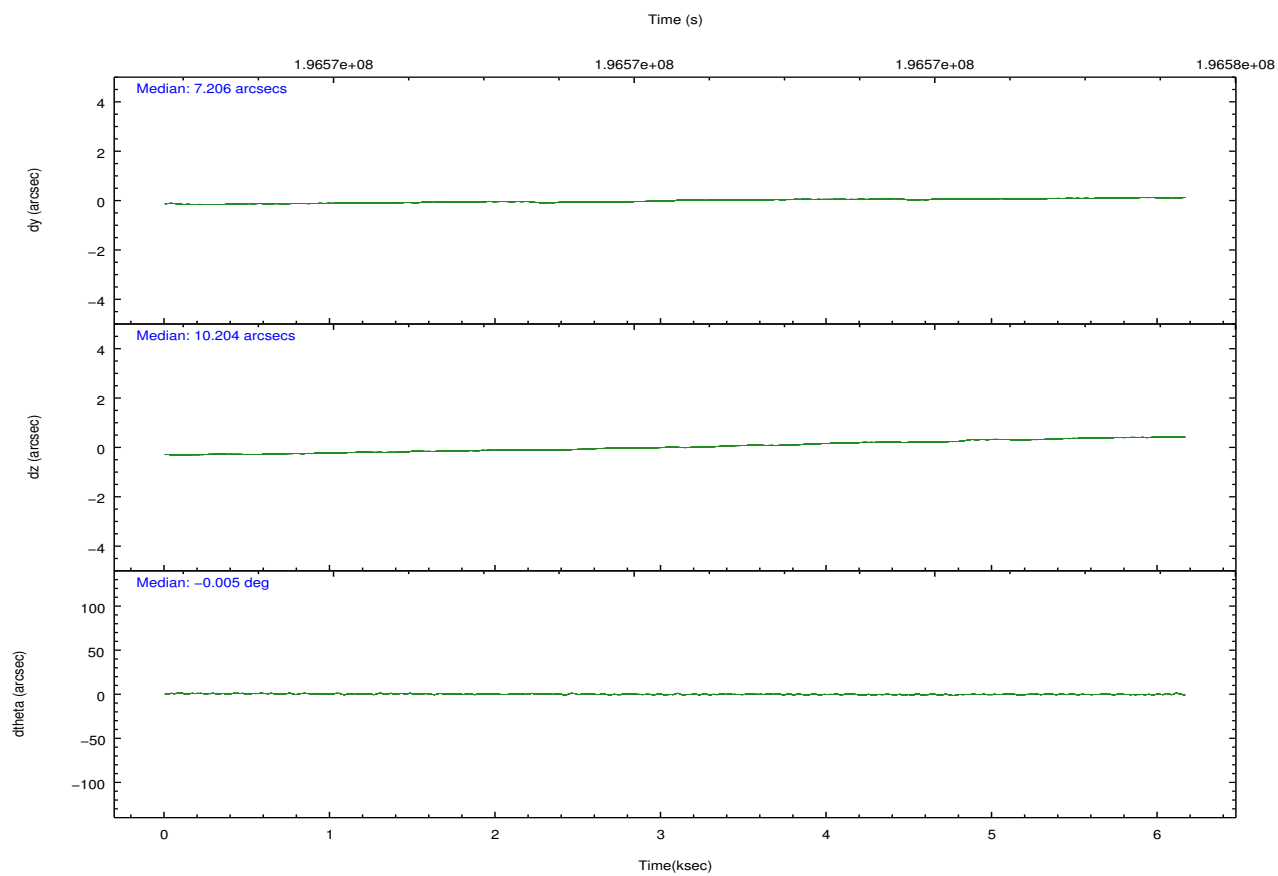
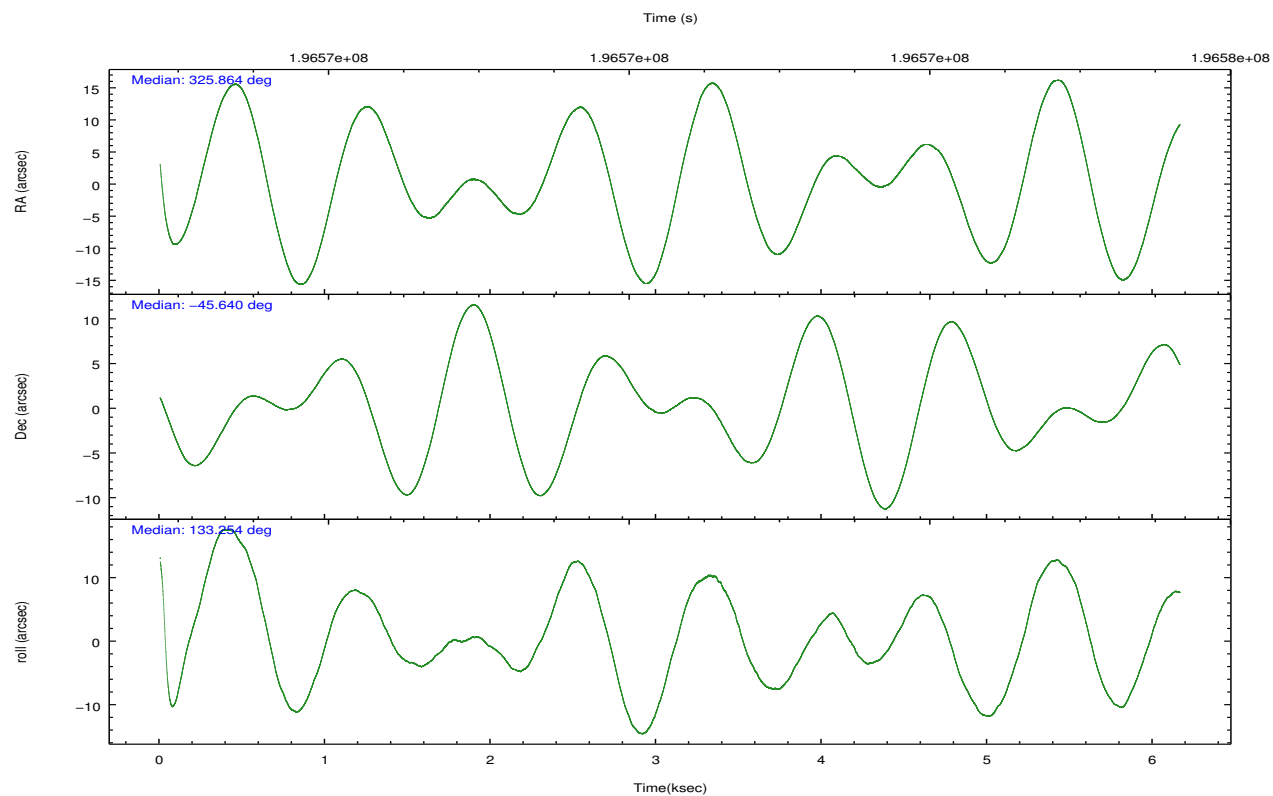
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	38616	37708	61725	39847	54094	52023	grade 0 events	2064	2061	5206	1849	2082	3220
rejected events	33904	33174	32392	35177	31815	41535		5%	5%	8%	4%	3%	6%
rejected %	87%	87%	52%	88%	58%	79%	grade 1 events	22	21	225	15	51	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	942	853	7751	944	4422	2264
								2%	2%	12%	2%	8%	4%
							grade 3 events	492	418	1118	506	1958	1070
								1%	1%	1%	1%	3%	2%
							grade 4 events	435	439	1018	441	1944	1114
								1%	1%	1%	1%	3%	2%
							grade 5 events	1620	1723	4395	1795	5278	2327
								4%	4%	7%	4%	9%	4%
							grade 6 events	781	766	14256	933	11885	2822
								2%	2%	23%	2%	21%	5%
							grade 7 events	32260	31427	27756	33364	26474	39166
								83%	83%	44%	83%	48%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	325.901588	325.8640964287901	Subarray requested	NONE	NONE
[deg] Pointing Dec	-45.647098	-45.63962950816861	Alternating exposures requested	N	N
[deg] Pointing Roll	133.133498	133.2633535155493	[s] Primary exposure time	0.000000	3.2
[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)	196569353.184000	196568450.74068			
Observation start date	2004-03-25T02:34:49	2004-03-25T02:20:50			
[s] Observation end time (MET)	196575353.184000	196575945.54101			
Observation end date	2004-03-25T04:14:49	2004-03-25T04:25:45			
Read mode	TIMED	TIMED			

2.3 Aspect



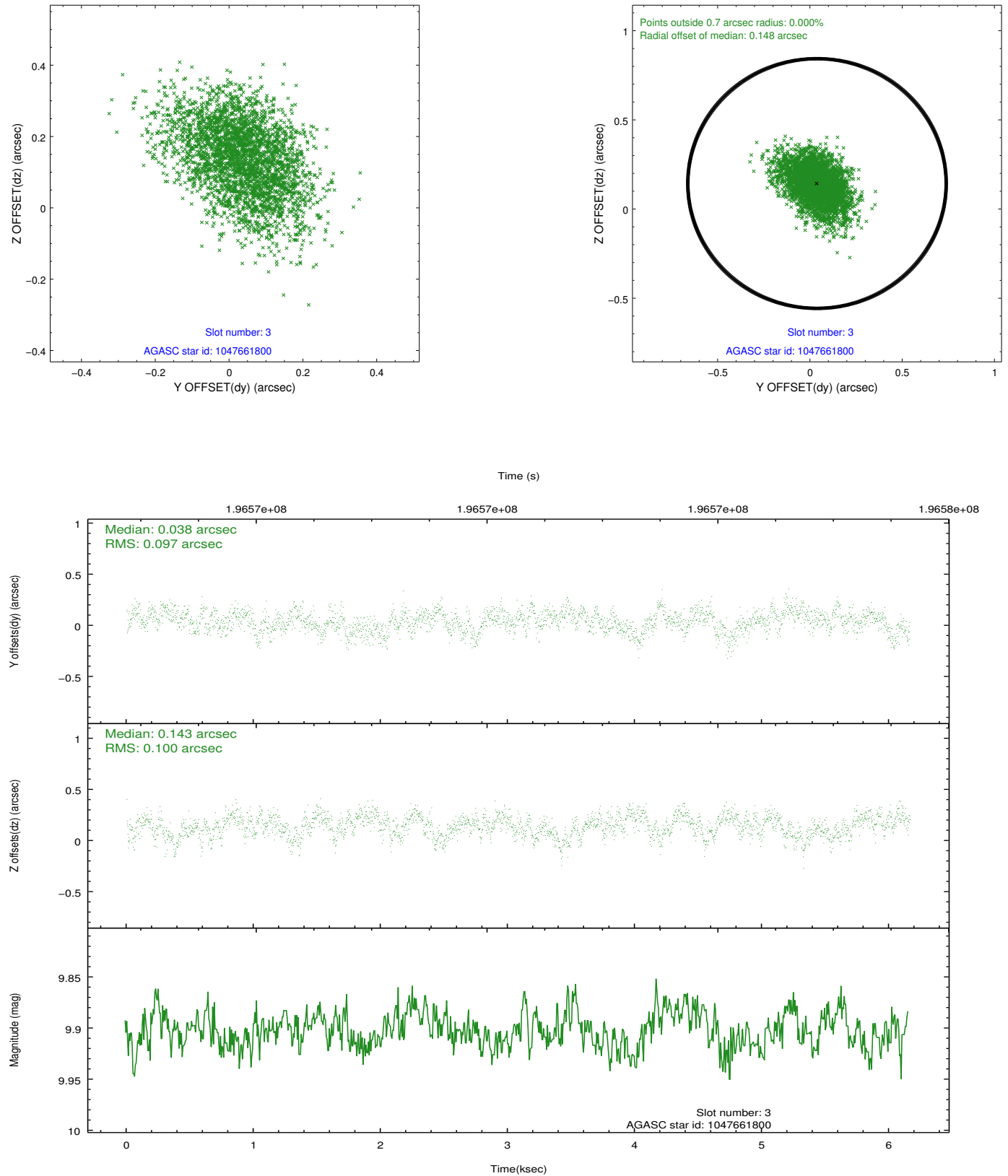


Slot Statistics

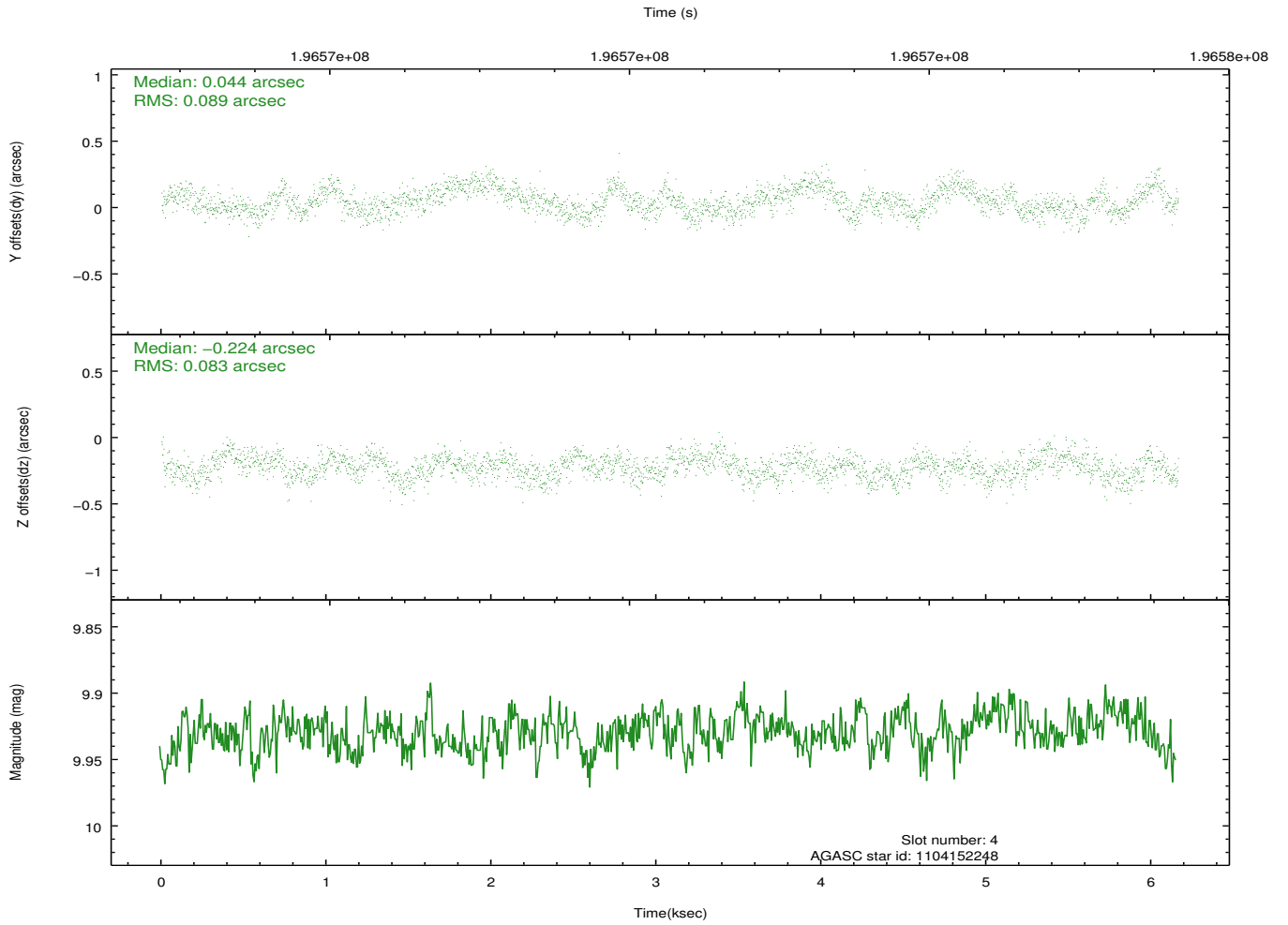
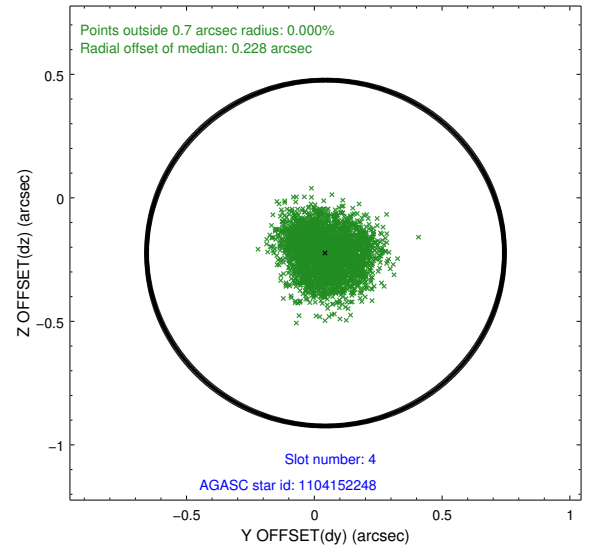
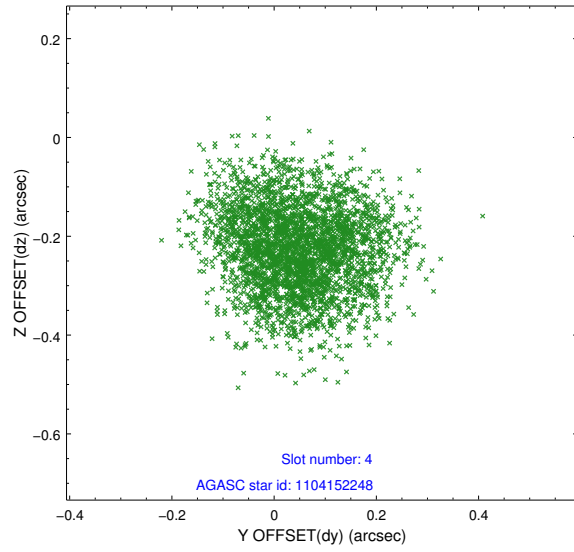
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1502	-0.043	-0.011	0.008	0.013	0.000000	0.000000	-759.96	-1731.46
1	FID	ACIS-S-4	7.20	1503	0.069	0.024	0.005	0.010	0.000000	0.000000	2152.96	176.12
2	FID	ACIS-S-5	7.23	1504	-0.058	-0.004	0.007	0.012	0.000000	0.000000	-1811.62	170.78
3	GUIDE	1047661800	9.90	3003	0.038	0.143	0.147	0.243	325.702038	-44.957062	2160.41	-1326.35
4	GUIDE	1104152248	9.93	3006	0.044	-0.224	0.133	0.204	326.185091	-45.904719	-1162.42	116.04
5	GUIDE	1104157520	10.14	3001	-0.036	-0.201	0.170	0.286	325.060770	-45.877728	825.97	2113.28
6	GUIDE	1105865456	8.77	3004	-0.188	0.204	0.095	0.148	326.540103	-45.154856	180.82	-2388.98
7	GUIDE	1105865512	9.25	3005	0.142	0.083	0.094	0.150	326.700026	-46.002142	-2304.53	-577.02

2.4 Star Slots

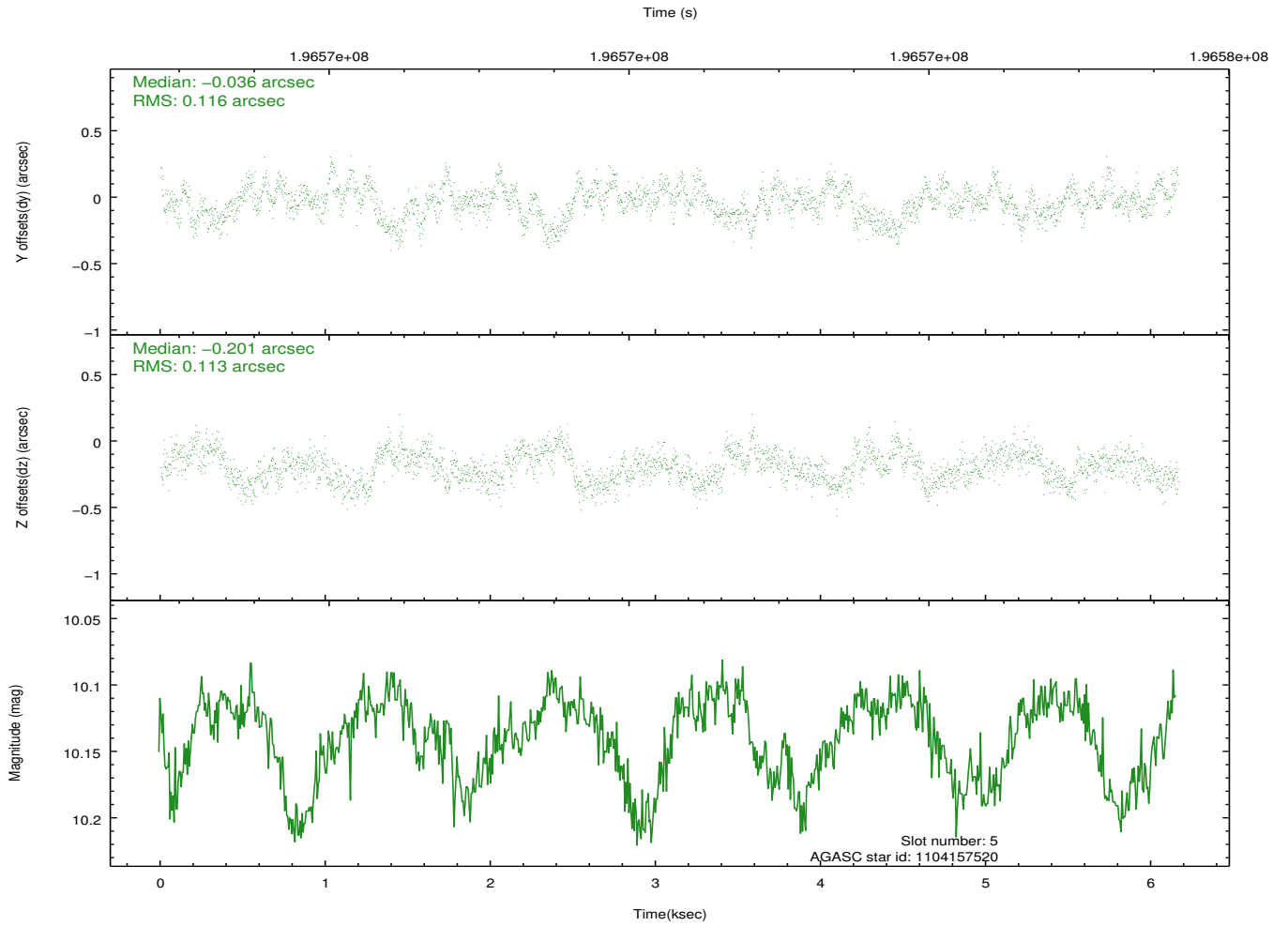
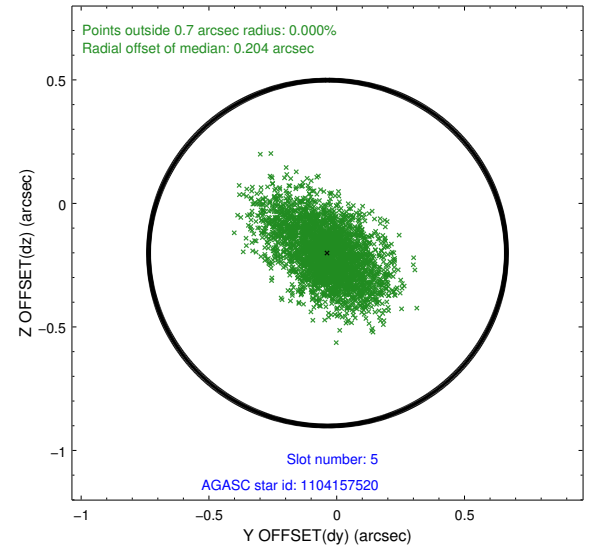
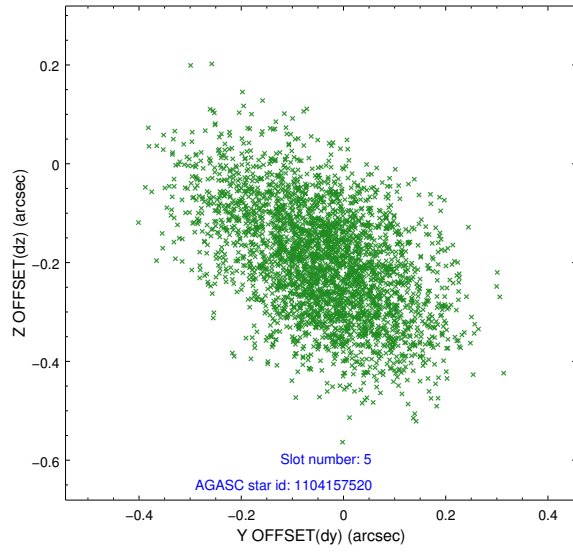
2.4.1 Slot 3



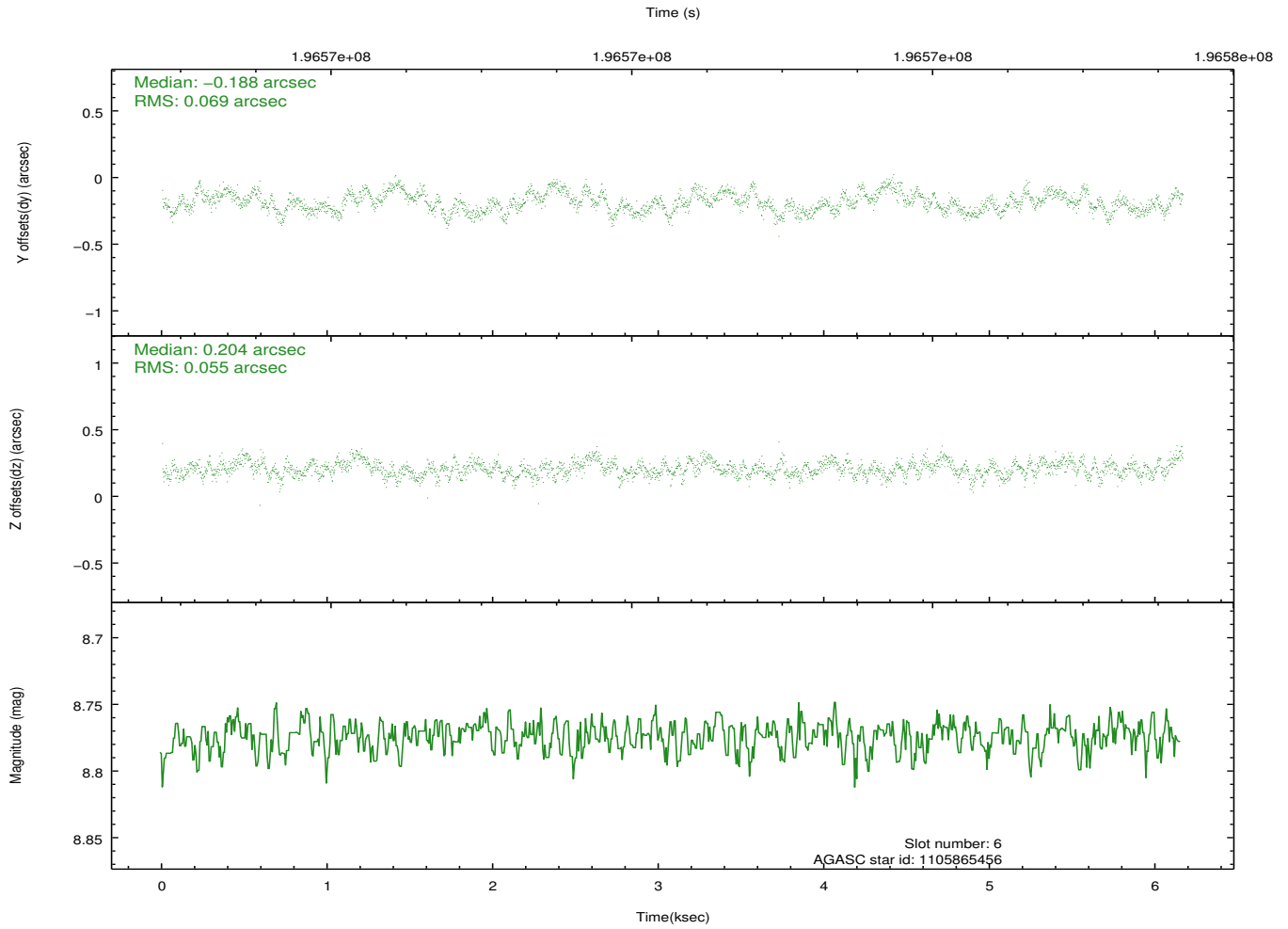
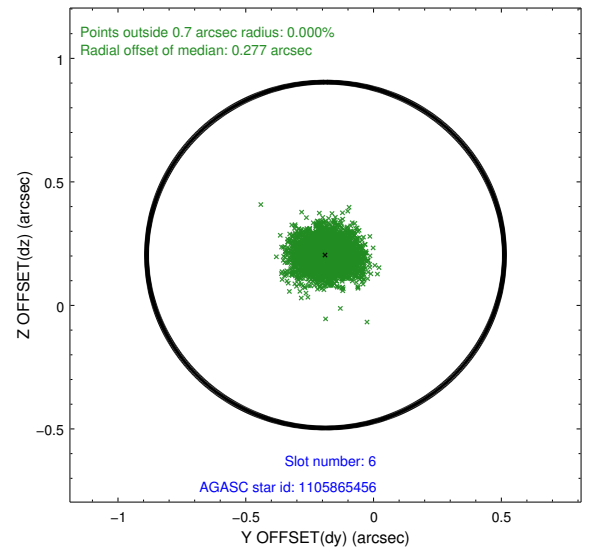
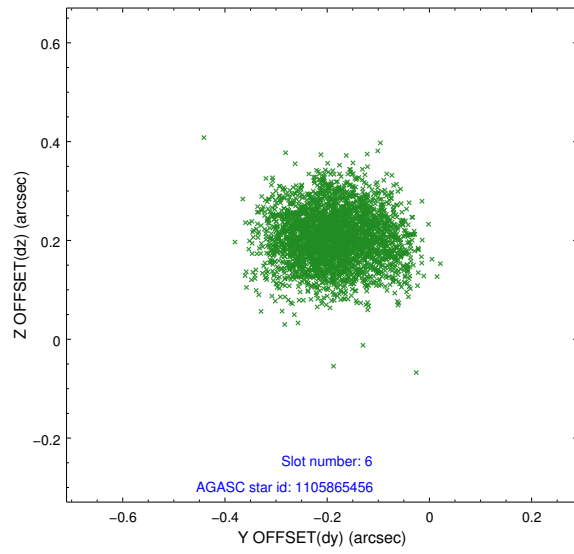
2.4.2 Slot 4



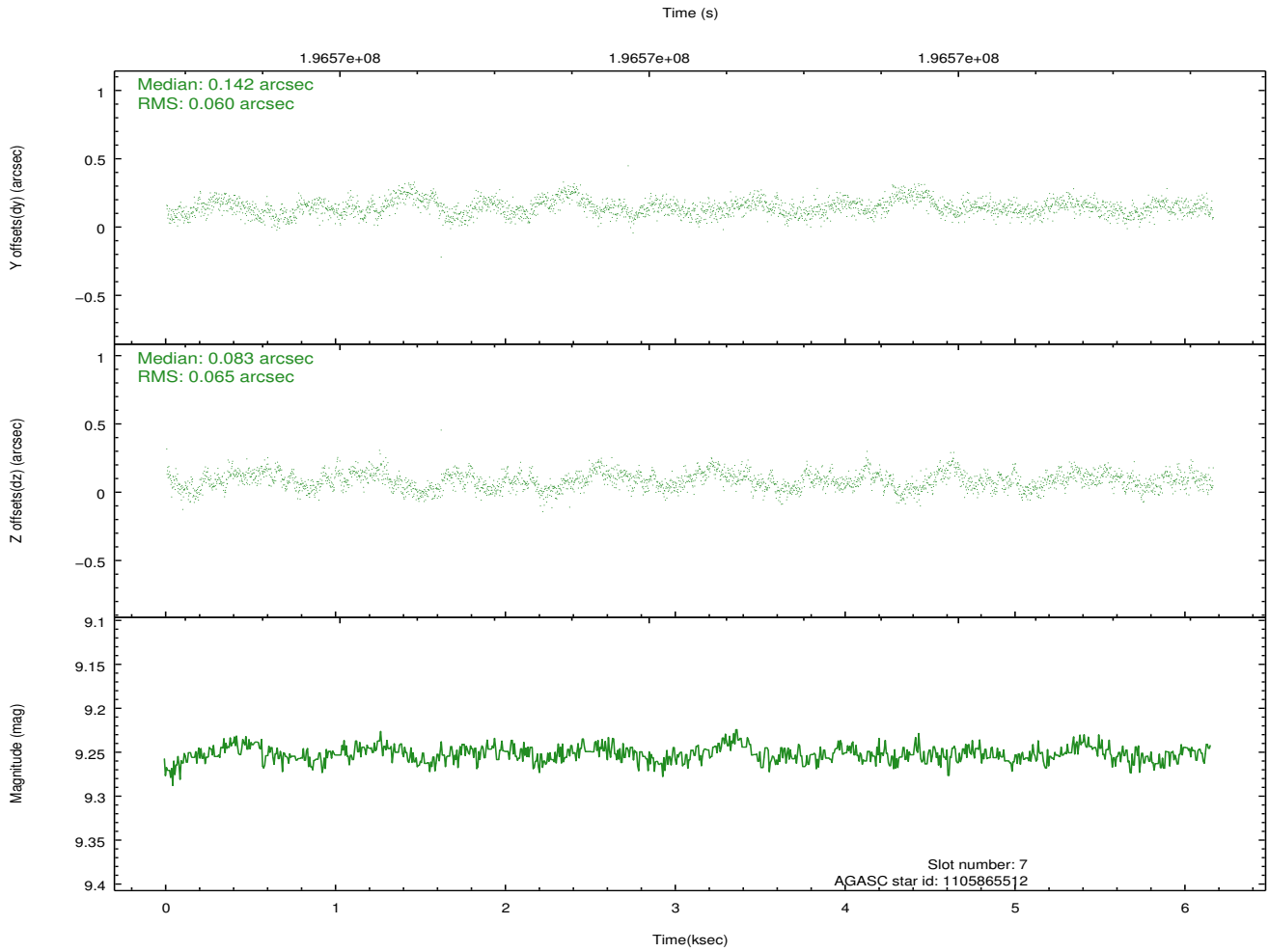
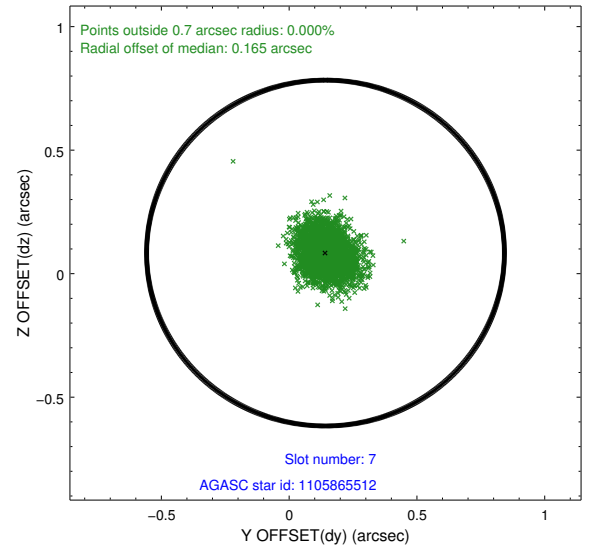
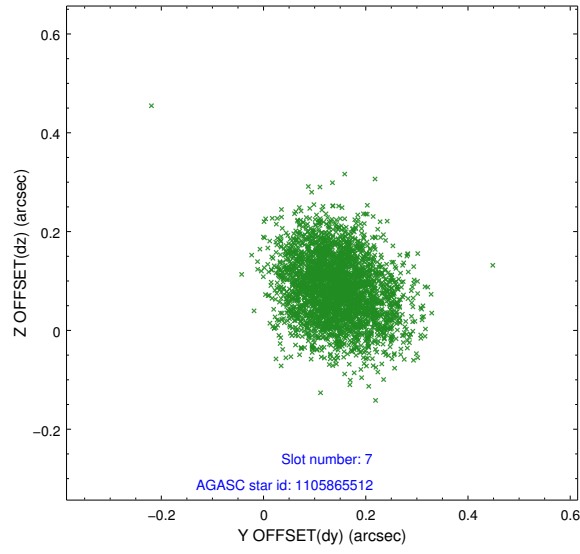
2.4.3 Slot 5



2.4.4 Slot 6

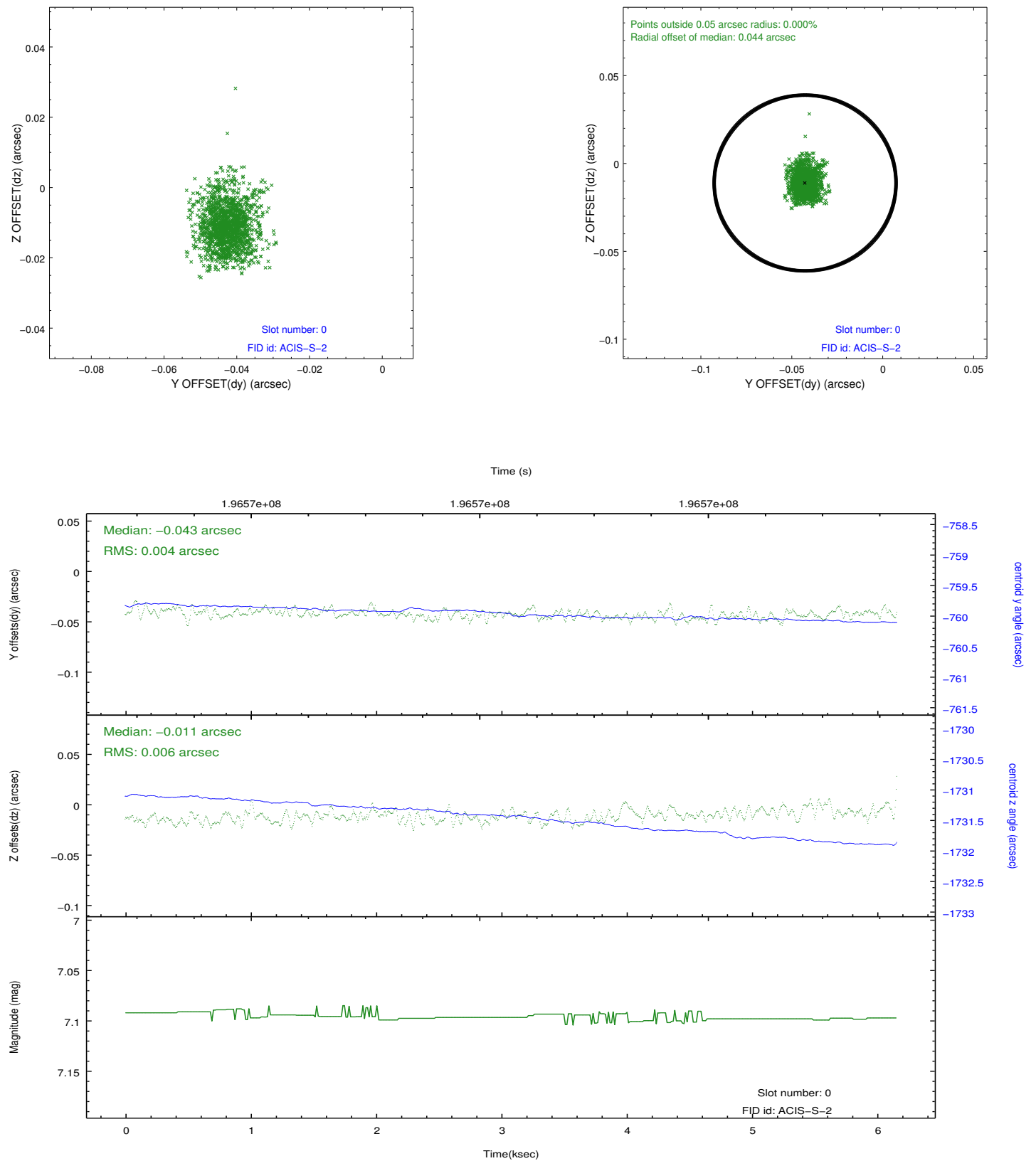


2.4.5 Slot 7

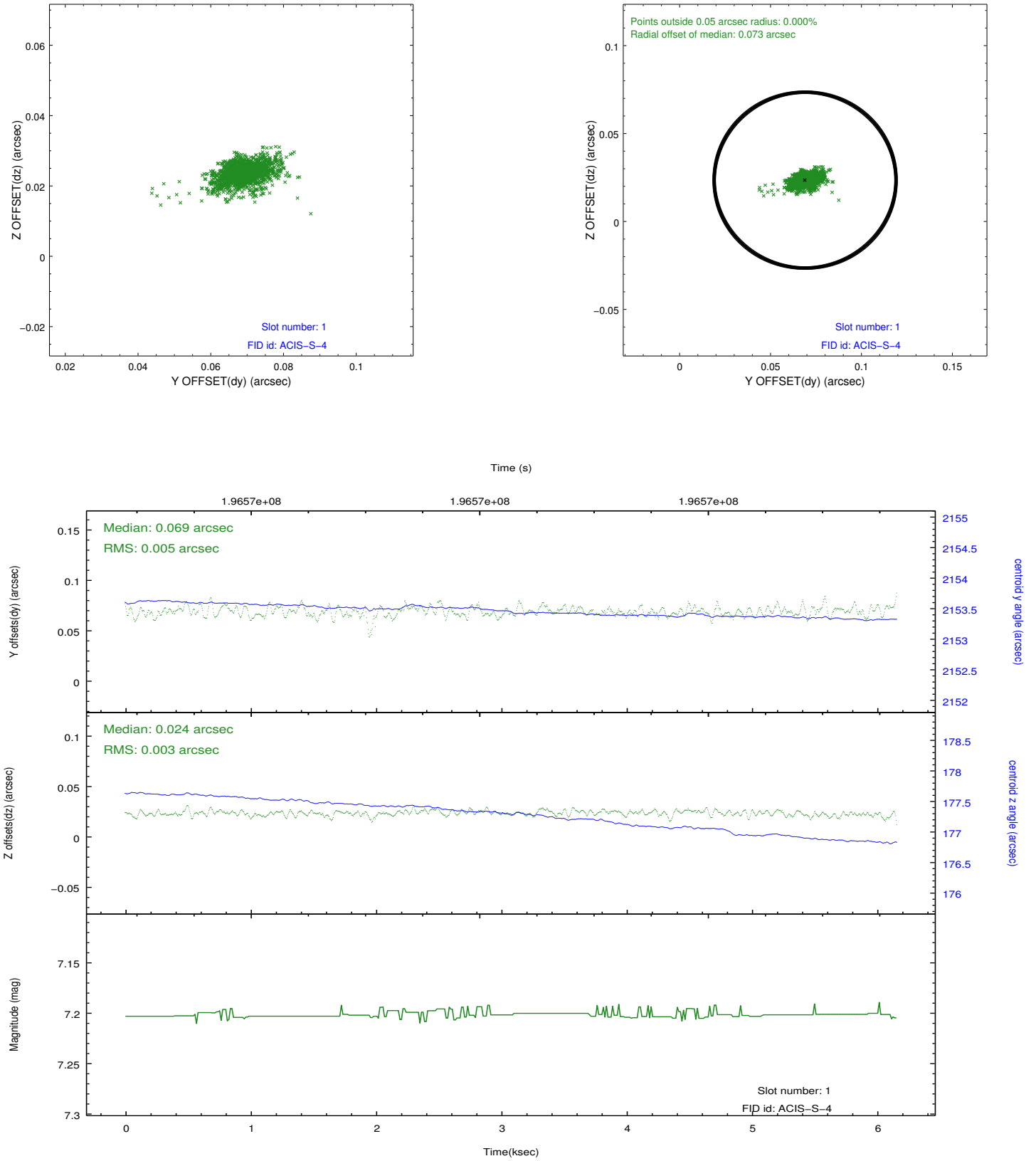


2.5 FID Slots

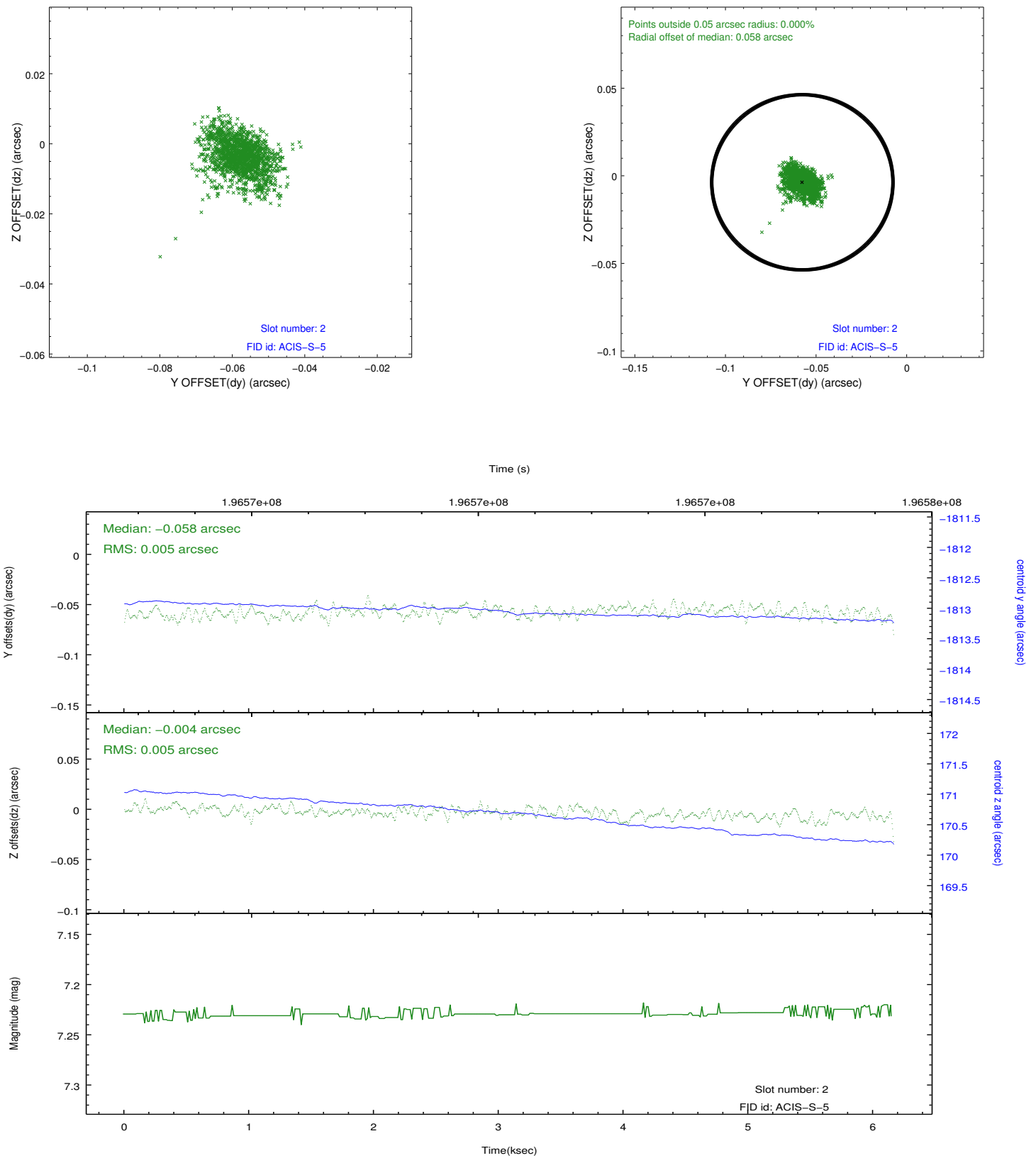
2.5.1 Slot 0



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)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.756

A.2 Comments