

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1968 - L2 Version 3
Chandra X-Ray Center

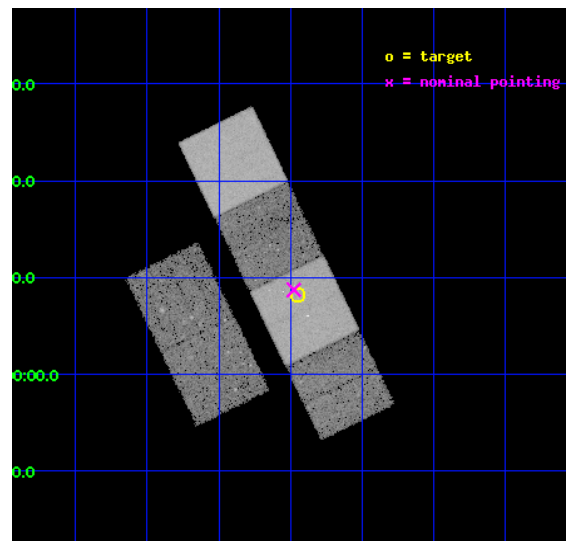
L2 Processing Date : Sep 3 2012

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1 Front

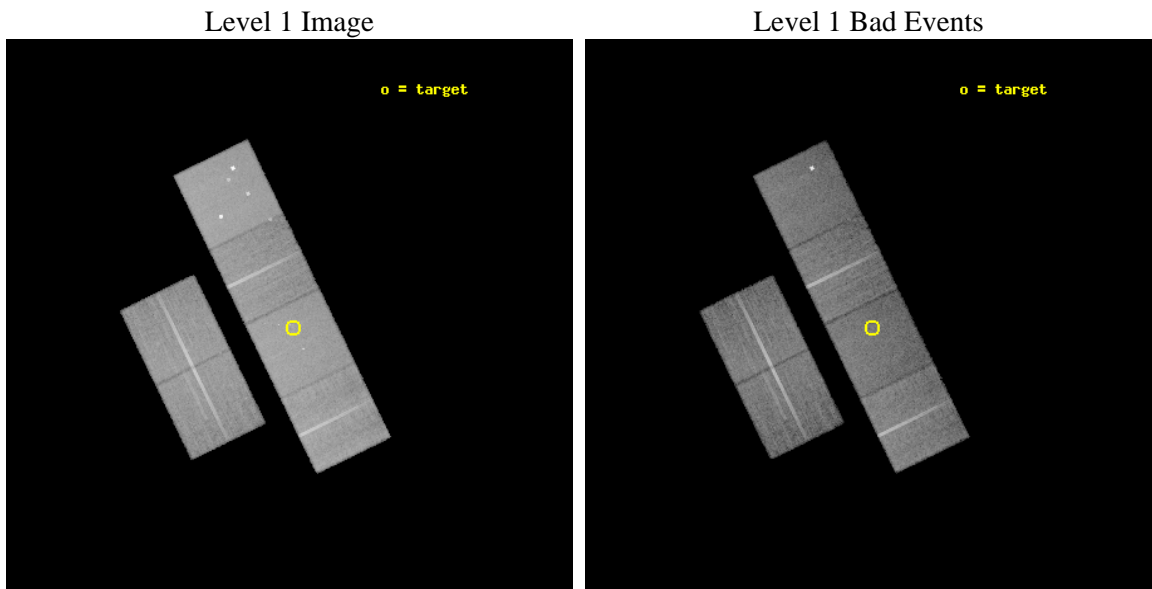
seq_num	500145	Sequence number
obs_id	1968	Observation id
title	CONTINUING CHANDRA OBSERVATIONS OF THE X-RAY SUPERNOVAE SN 1999EM AND SN 1998S	Proposal title
observer	Prof. Walter Lewin	Principal investigator
object	SN 1999EM	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.362917	Observer's specified target RA [deg]
dec_targ	-2.862694	Observer's specified target Dec [deg]
ra_nom	70.368766773409	Nominal RA [deg]
dec_nom	-2.8547411740415	Nominal Dec [deg]
roll_nom	64.049704398628	Nominal Roll [deg]
revision	3	Processing version of data
ontime	26755.18109411	Sum of GTIs [s]
livetime	26416.39088106	Livetime [s]
ontime2	26751.959054664	Sum of GTIs [s]
ontime3	26755.057974115	Sum of GTIs [s]
ontime5	26755.140054107	Sum of GTIs [s]
ontime6	26755.099014118	Sum of GTIs [s]
ontime7	26755.18109411	Sum of GTIs [s]
ontime8	26751.775864169	Sum of GTIs [s]
l2events	236963	Number of level 2 events



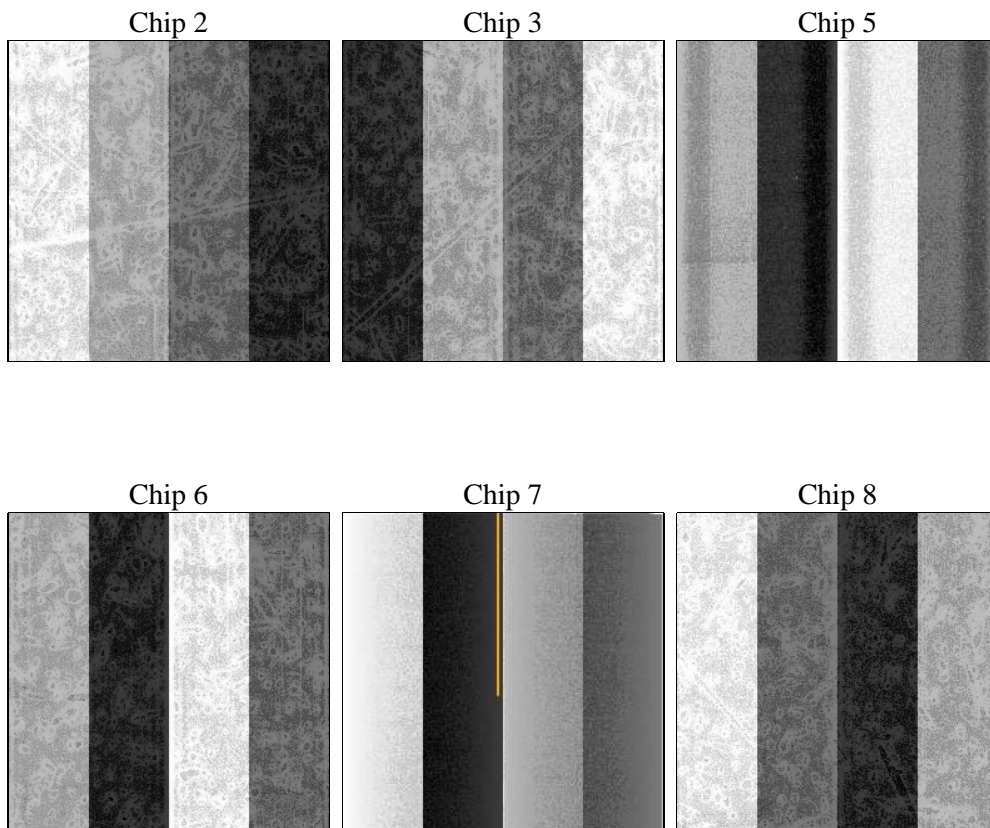
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	26755.18109411	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	26751.959054664	Sum of GTIs [s]
date	2012-09-03T00:38:40	Date and time of file creation	ontime3	26755.057974115	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	26755.140054107	Sum of GTIs [s]
			ontime6	26755.099014118	Sum of GTIs [s]
			ontime7	26755.18109411	Sum of GTIs [s]
			ontime8	26751.775864169	Sum of GTIs [s]
			l1events	1089873	Number of level 1 events

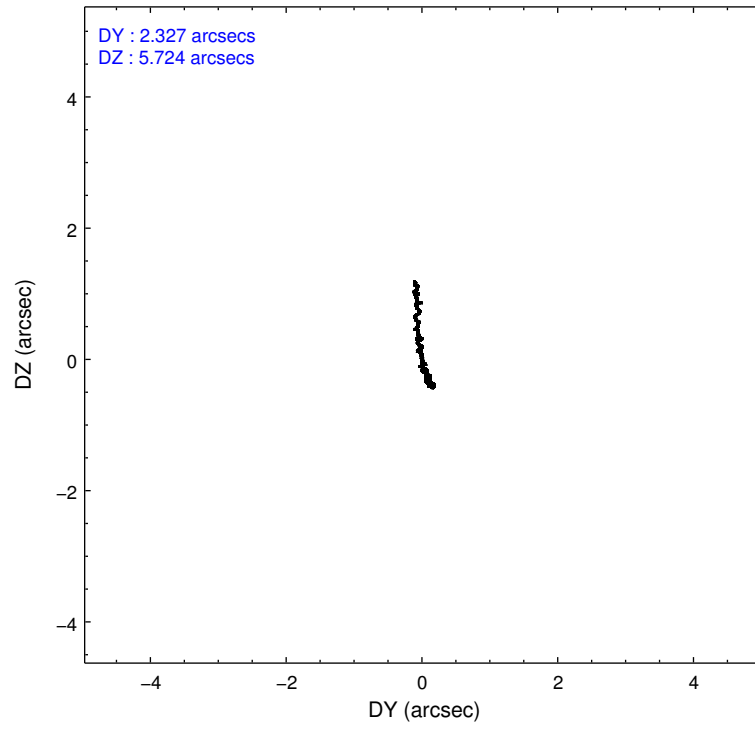
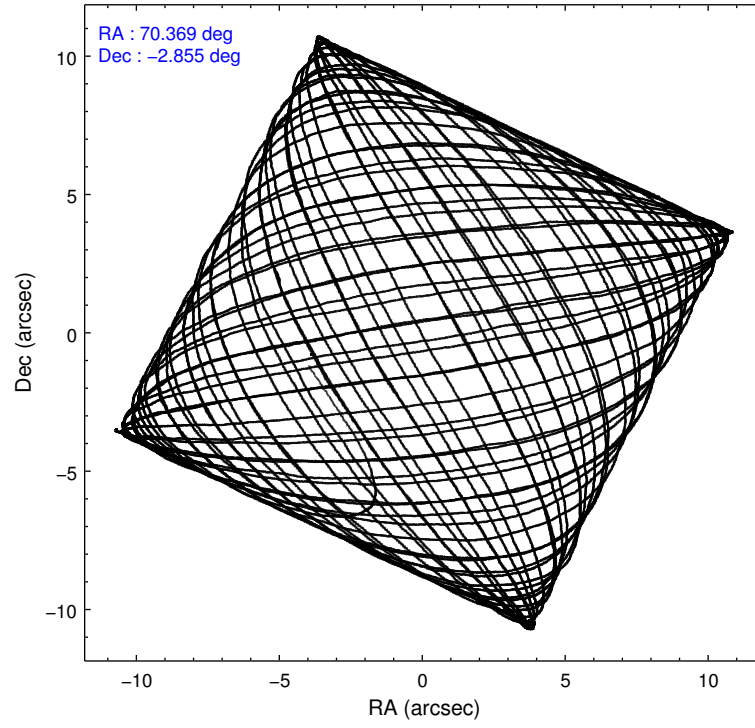
2.1.4 Events

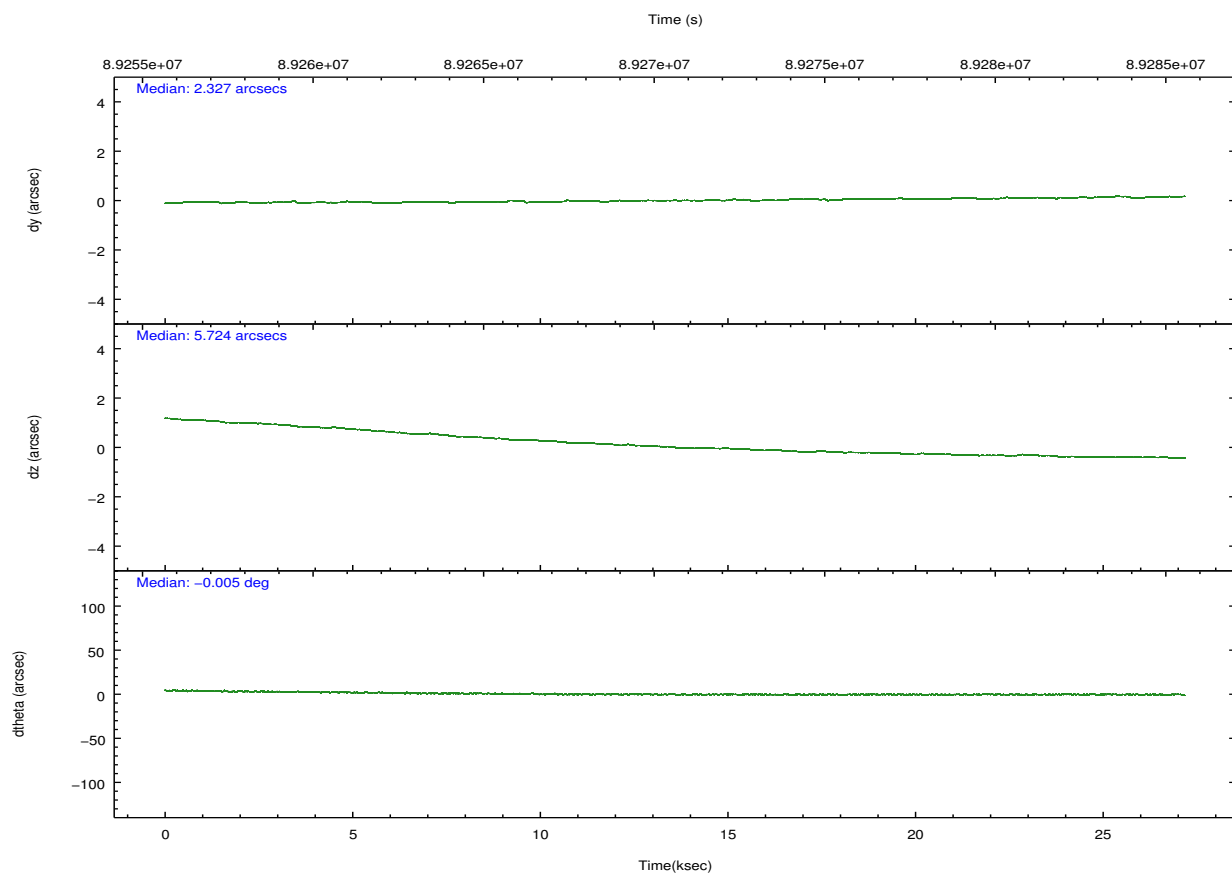
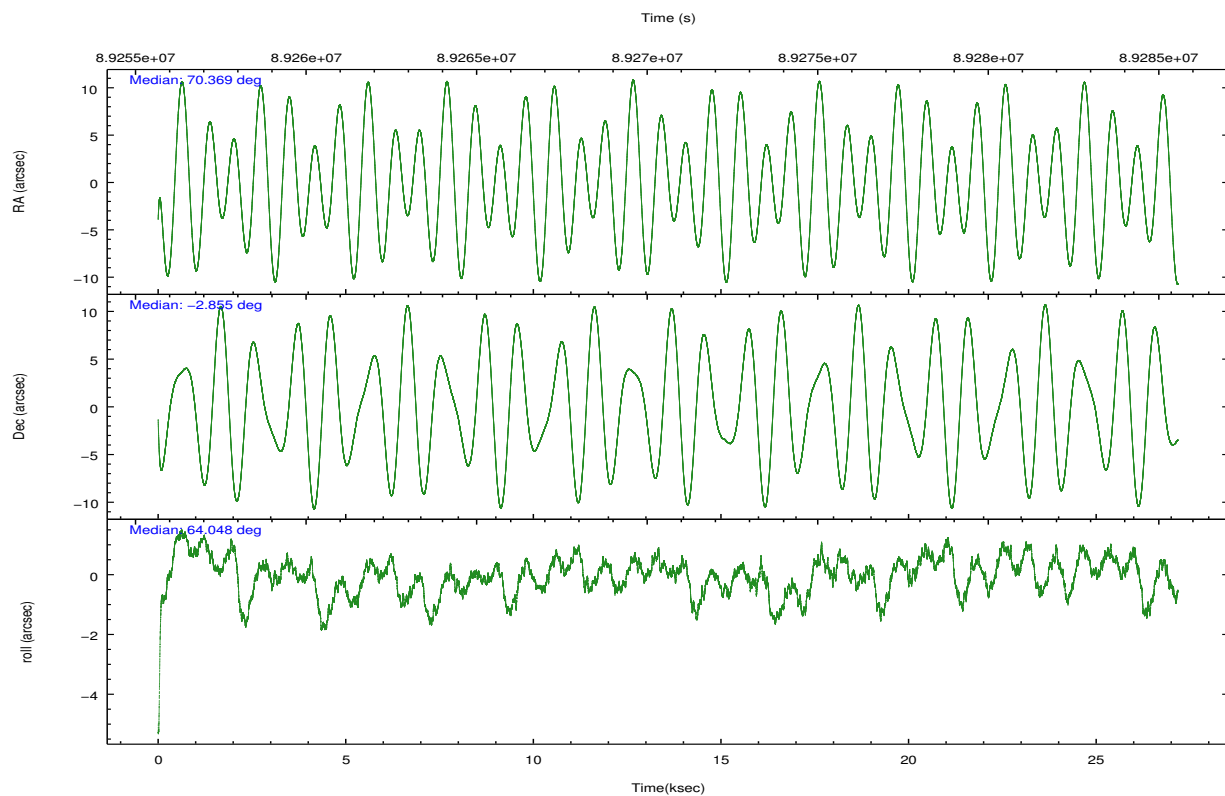
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	162941	152180	224797	156690	195321	197944	grade 0 events	8001	8047	16862	7669	8526	12989
rejected events	144707	134241	118307	138456	113027	158669		4%	5%	7%	4%	4%	6%
rejected %	88%	88%	52%	88%	57%	80%	grade 1 events	78	73	344	65	176	125
								0%	0%	0%	0%	0%	0%
							grade 2 events	3812	3436	30719	3564	16159	8153
								2%	2%	13%	2%	8%	4%
							grade 3 events	1703	1685	4423	1857	7509	4318
								1%	1%	1%	1%	3%	2%
							grade 4 events	1646	1664	4195	1748	7624	4023
								1%	1%	1%	1%	3%	2%
							grade 5 events	5353	5625	17830	6510	18651	8003
								3%	3%	7%	4%	9%	4%
							grade 6 events	3076	3110	50326	3403	42505	9801
								1%	2%	22%	2%	21%	4%
							grade 7 events	139272	128540	100098	131874	94171	150532
								85%	84%	44%	84%	48%	76%

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	70.370904	70.36876677340854	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.882010	-2.854741174041548	Alternating exposures requested	N	N
[deg] Pointing Roll	63.893185	64.04970439862849	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	89257203.184000	89256062.1189			
Observation start date	2000-10-30T01:38:59	2000-10-30T01:21:02			
[s] Observation end time (MET)	89284203.184000	89285168.019999			
Observation end date	2000-10-30T09:08:59	2000-10-30T09:26:08			
Read mode	TIMED	TIMED			

2.3 Aspect



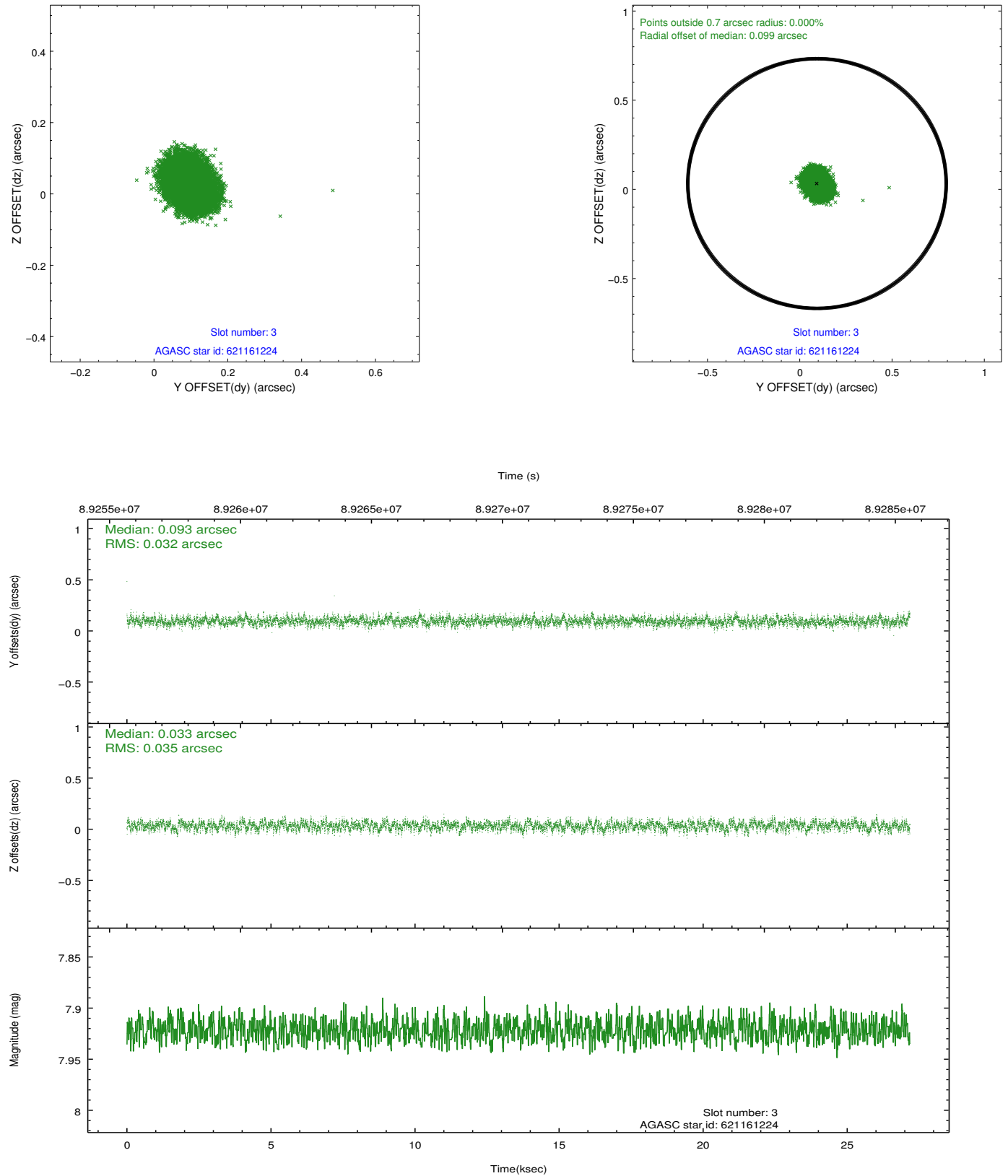


Slot Statistics

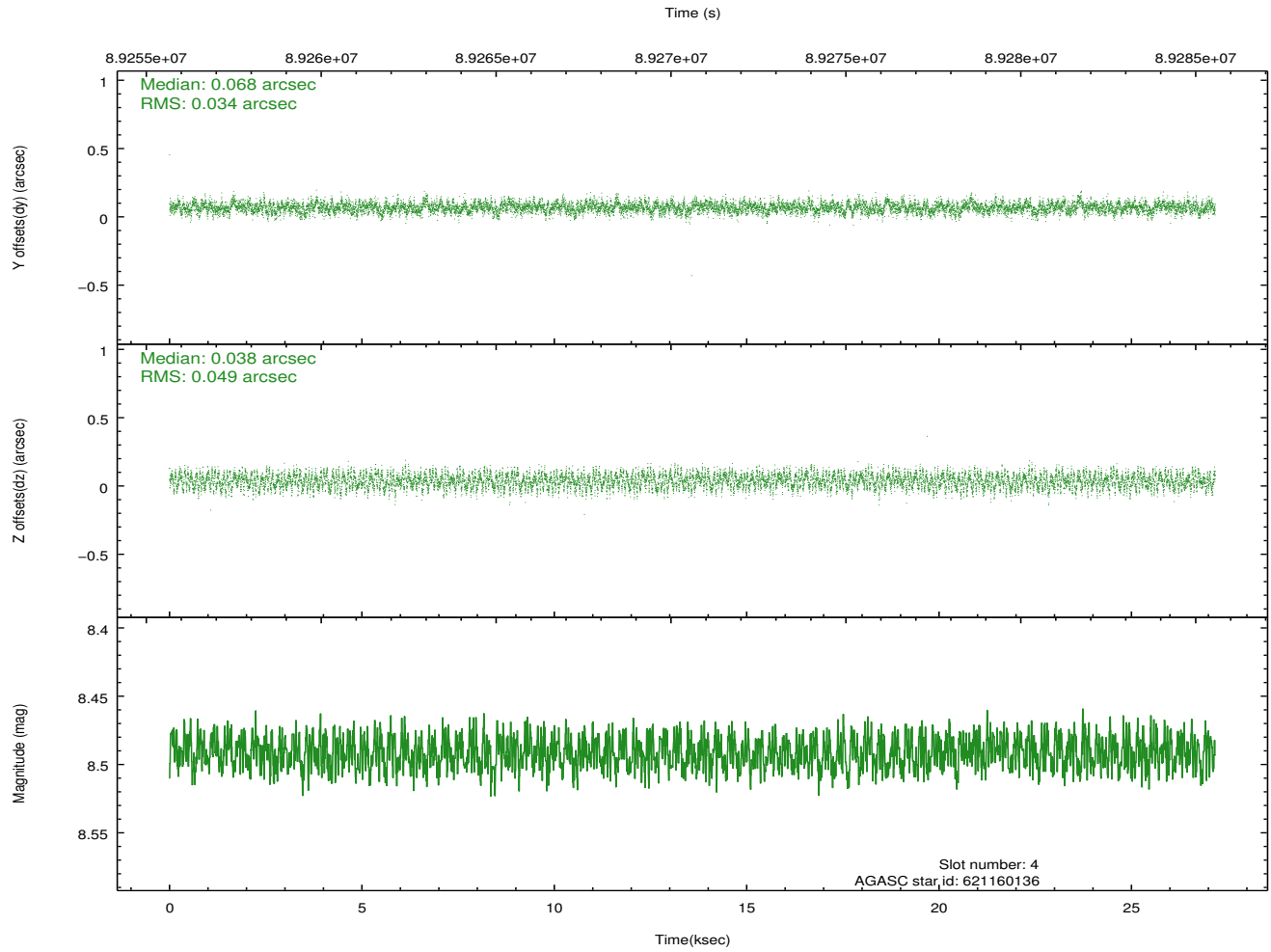
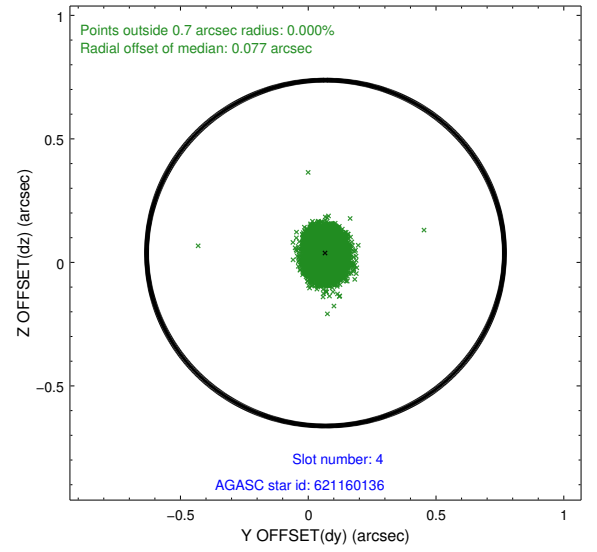
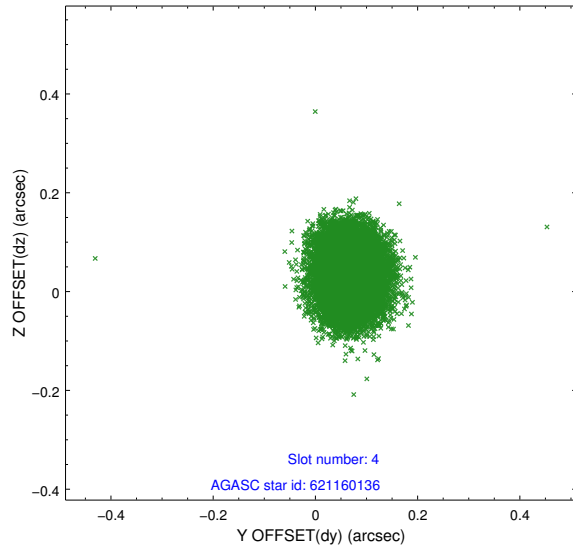
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	6629	-0.043	-0.005	0.009	0.018	0.000000	0.000000	-754.98	-1727.03
1	FID	ACIS-S-4	7.20	6629	-0.007	0.022	0.011	0.022	0.000000	0.000000	2158.26	181.42
2	FID	ACIS-S-5	7.24	6629	0.019	-0.008	0.008	0.013	0.000000	0.000000	-1807.66	175.11
3	GUIDE	621161224	7.92	13257	0.093	0.033	0.051	0.082	70.234546	-3.517454	-2269.81	-566.65
4	GUIDE	621160136	8.49	13256	0.068	0.038	0.064	0.101	70.727879	-3.324427	-865.95	-1852.99
5	GUIDE	621154624	8.97	13251	-0.098	-0.133	0.057	0.093	70.402746	-2.451192	1442.86	579.51
6	GUIDE	621154496	8.63	13258	-0.054	0.081	0.053	0.088	70.732100	-2.663664	1277.26	-820.36
7	GUIDE	621151192	9.92	13249	-0.011	-0.017	0.093	0.153	70.235475	-2.692308	398.90	737.83

2.4 Star Slots

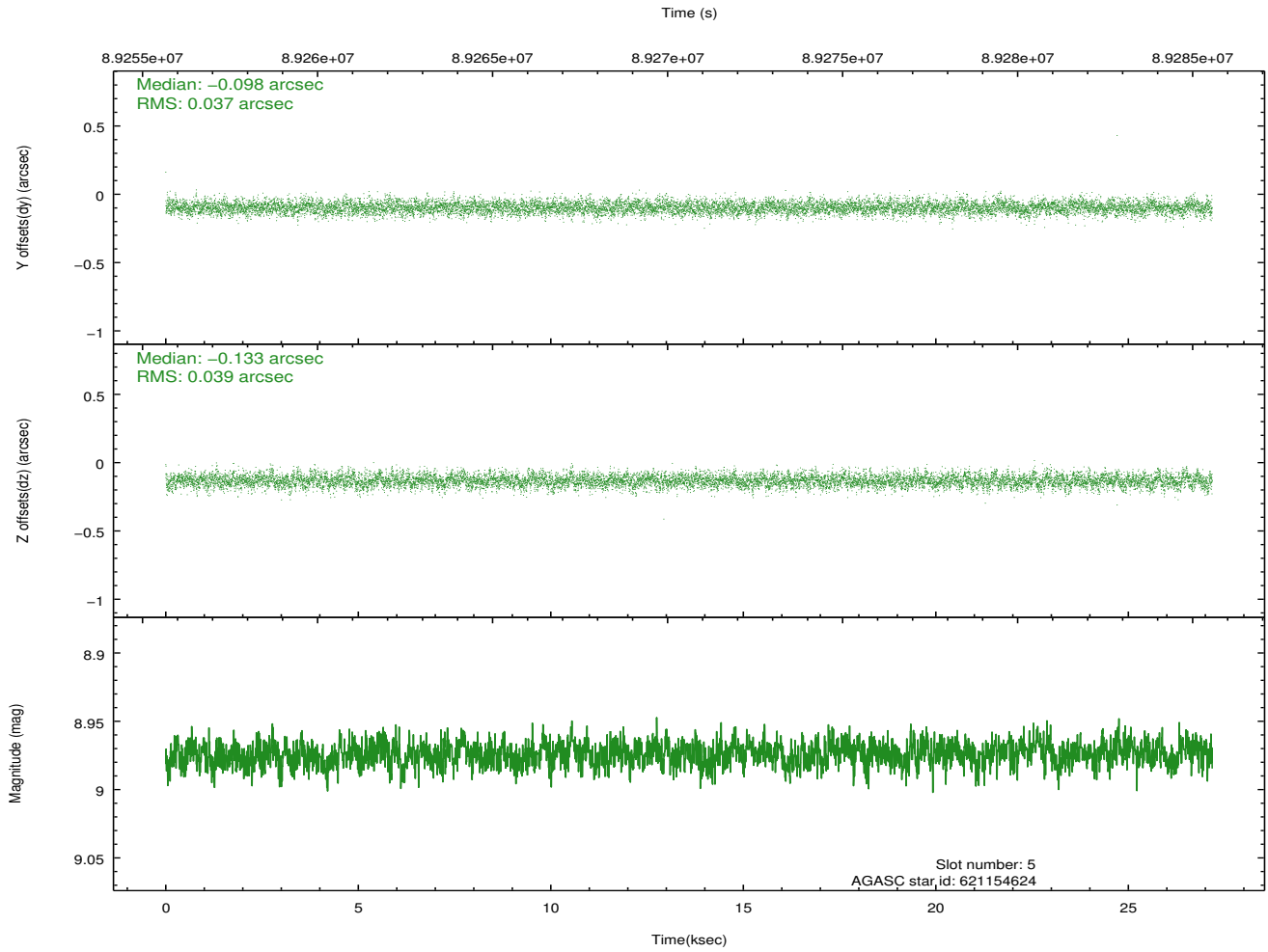
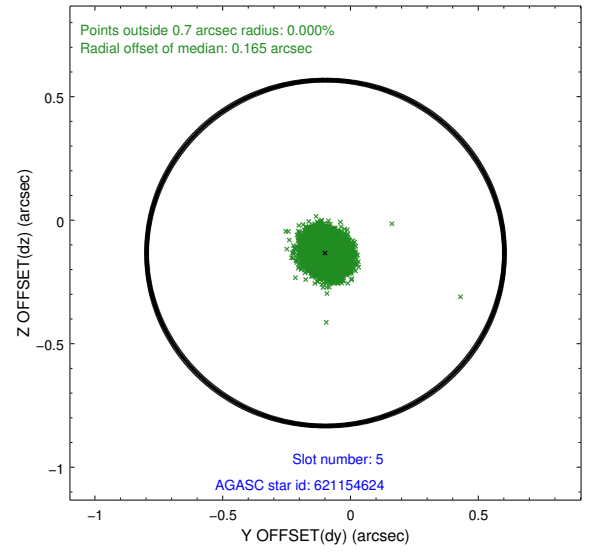
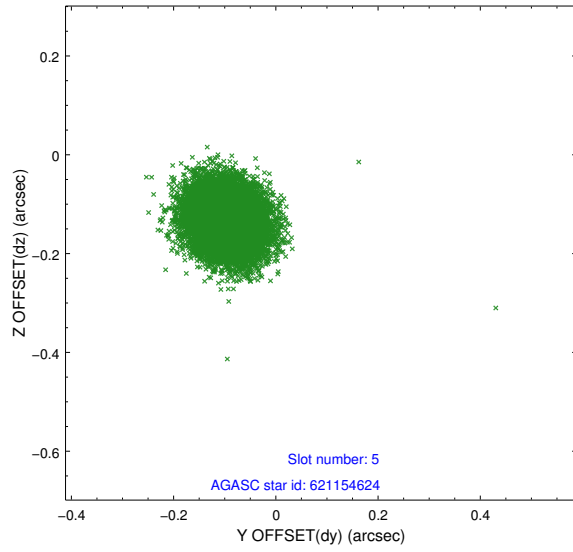
2.4.1 Slot 3



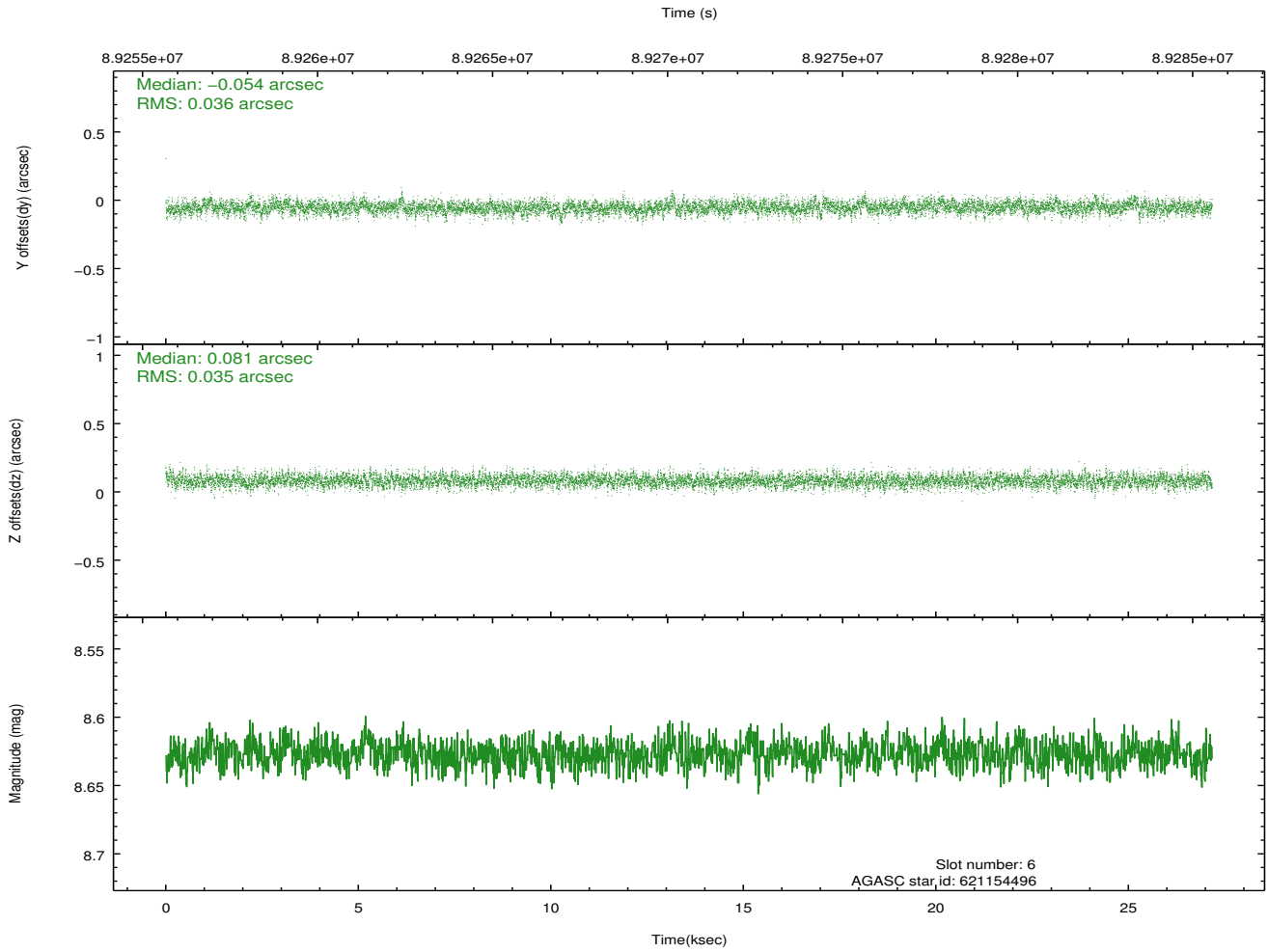
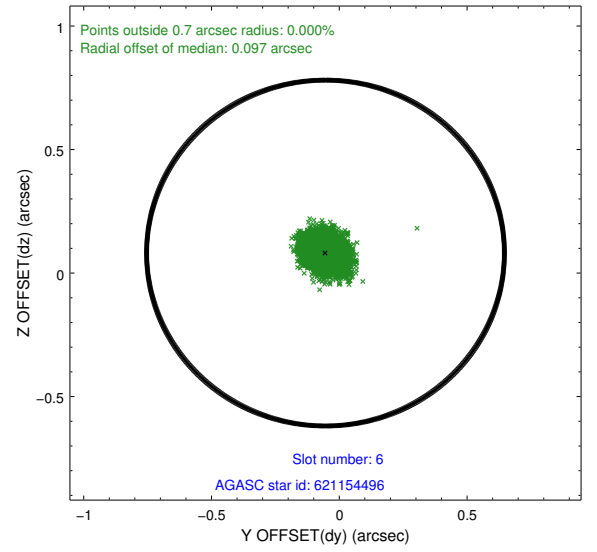
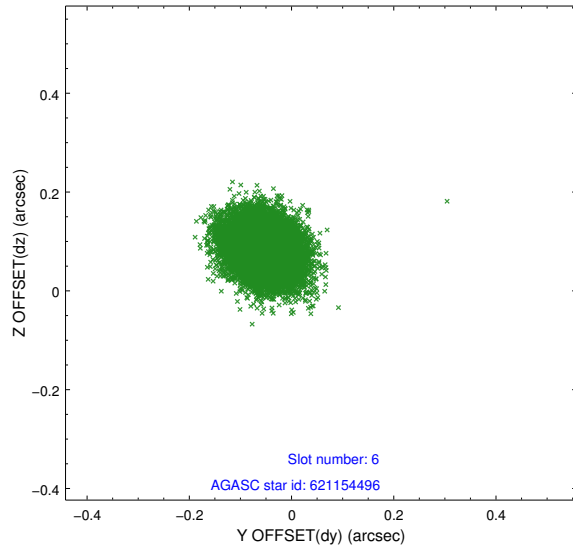
2.4.2 Slot 4



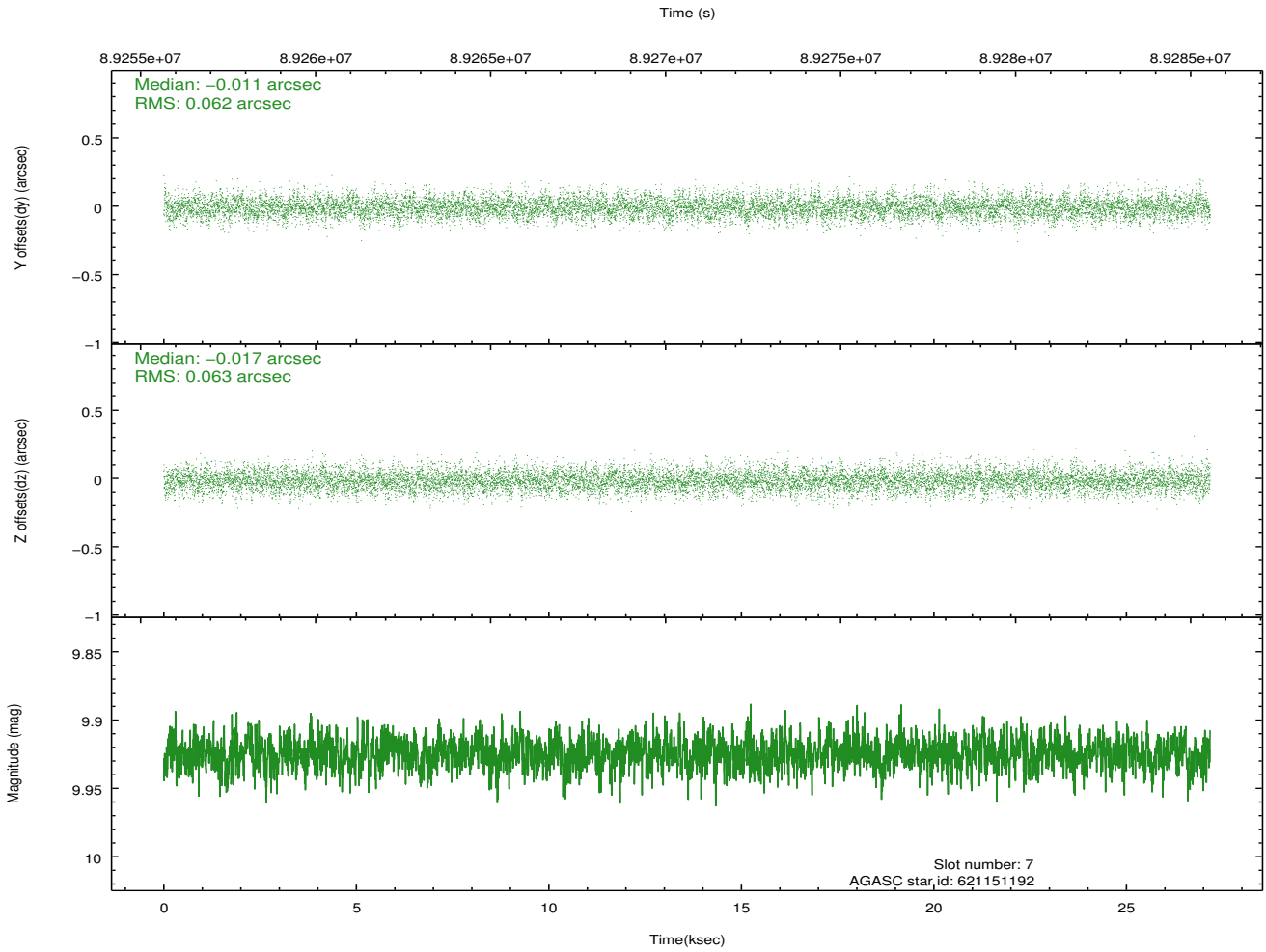
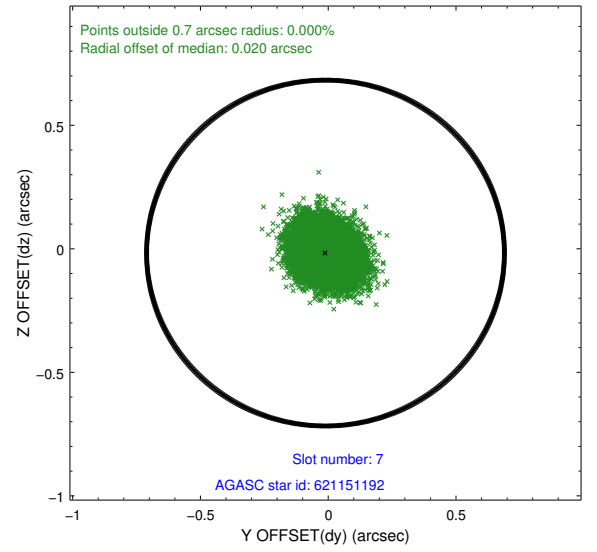
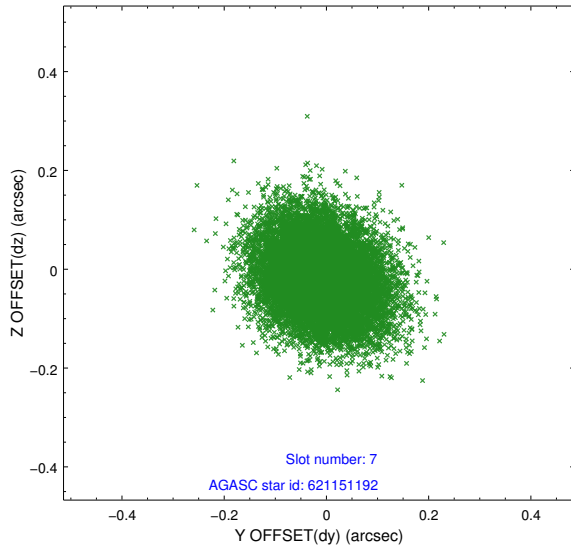
2.4.3 Slot 5



2.4.4 Slot 6

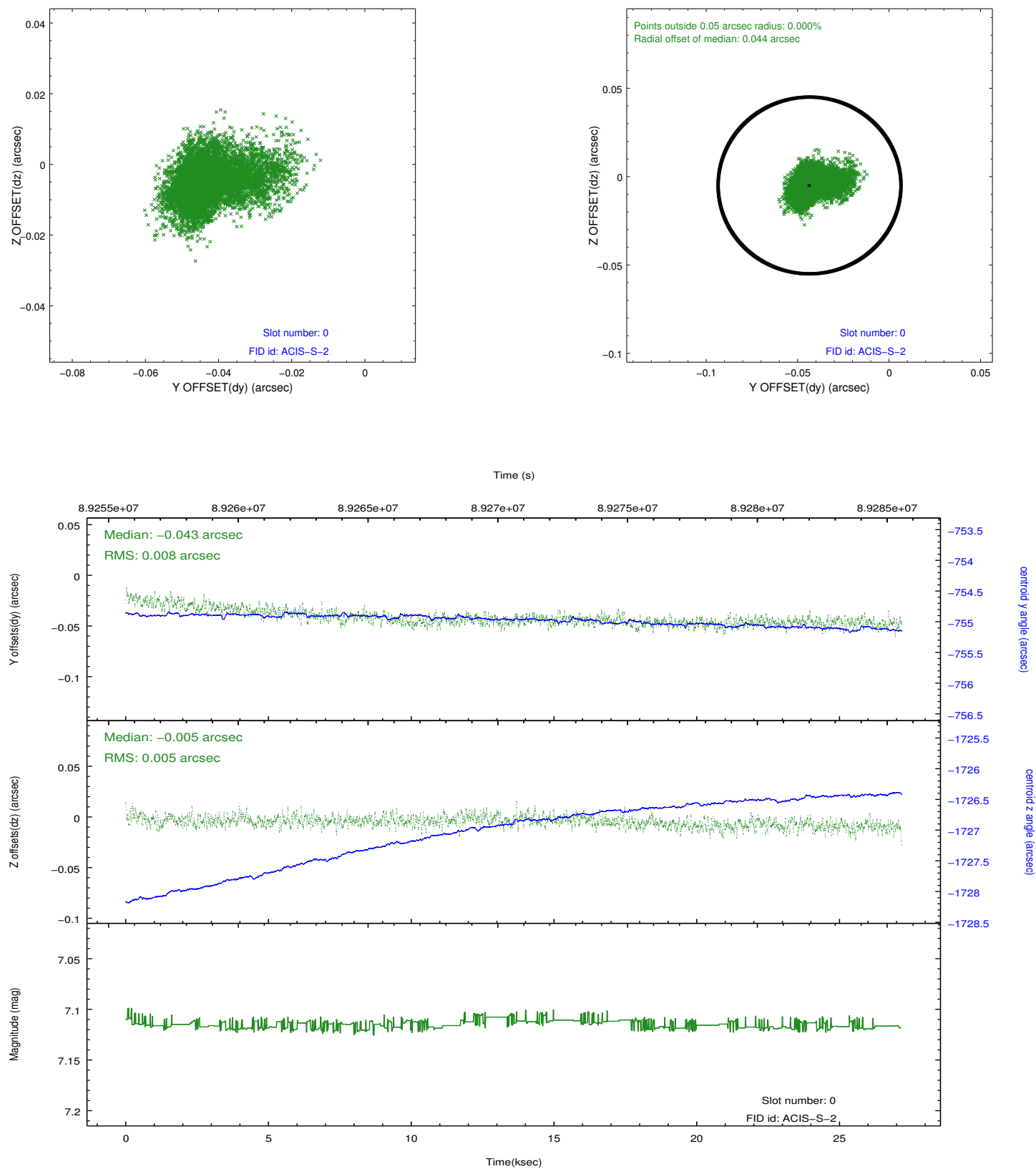


2.4.5 Slot 7

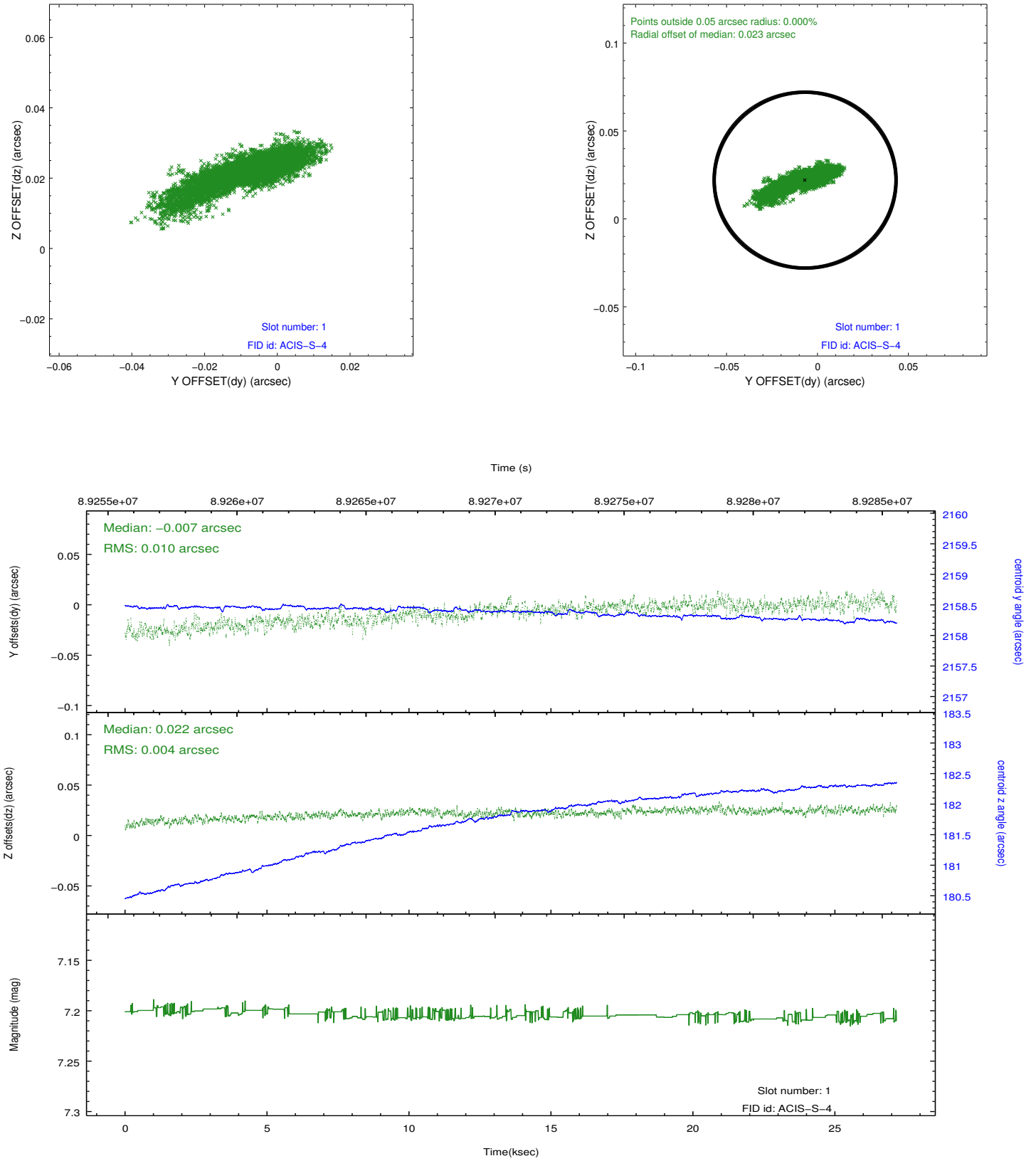


2.5 FID Slots

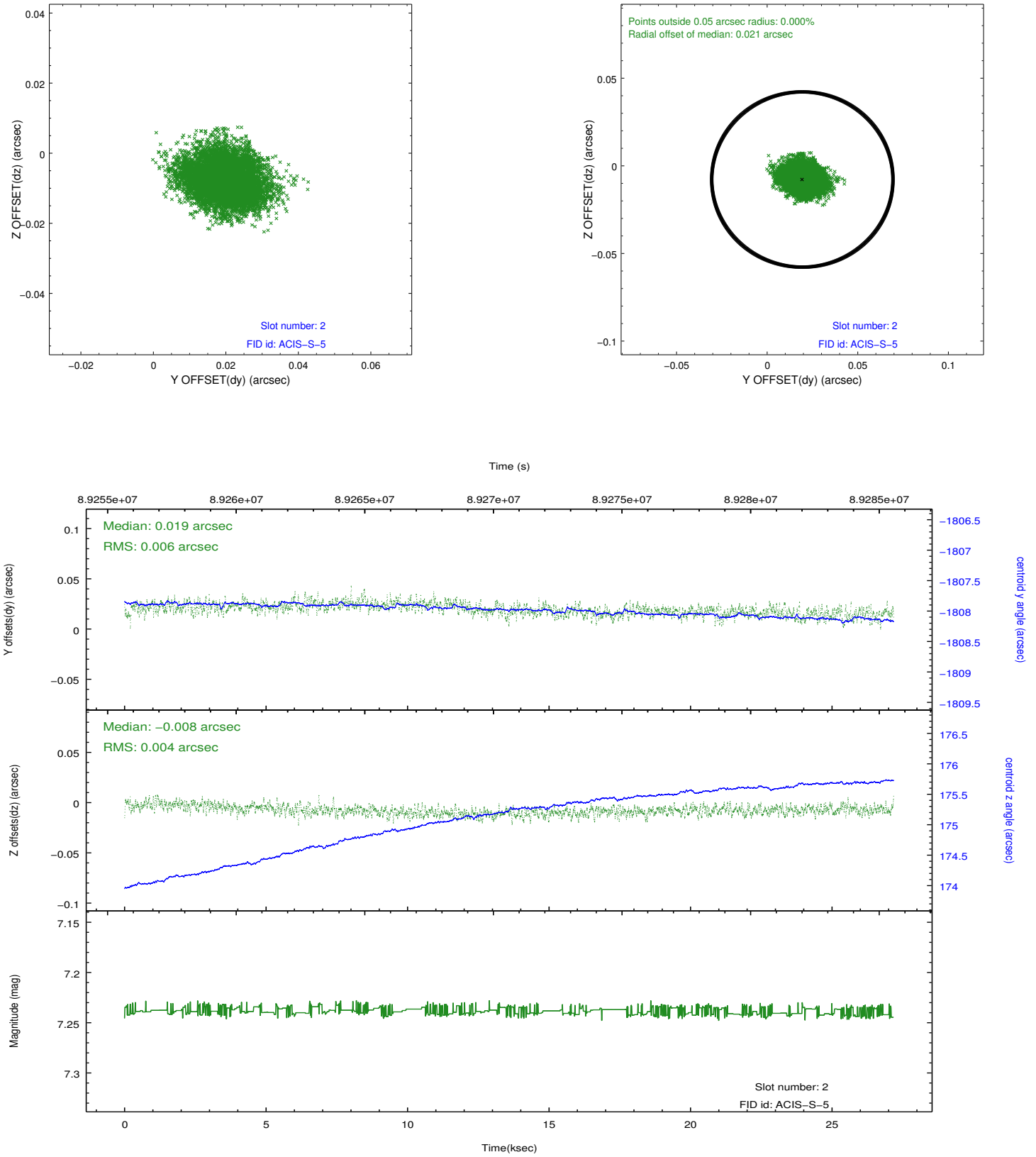
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.758

A.2 Comments