

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7846 - L2 Version 3
Chandra X-Ray Center

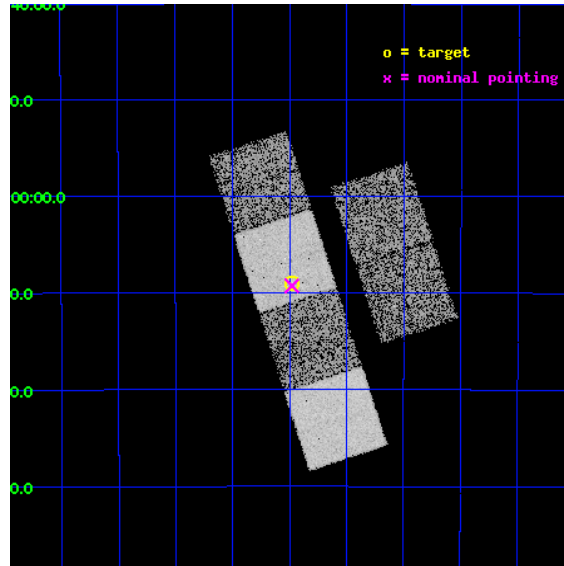
L2 Processing Date : Apr 21 2012

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1 Front

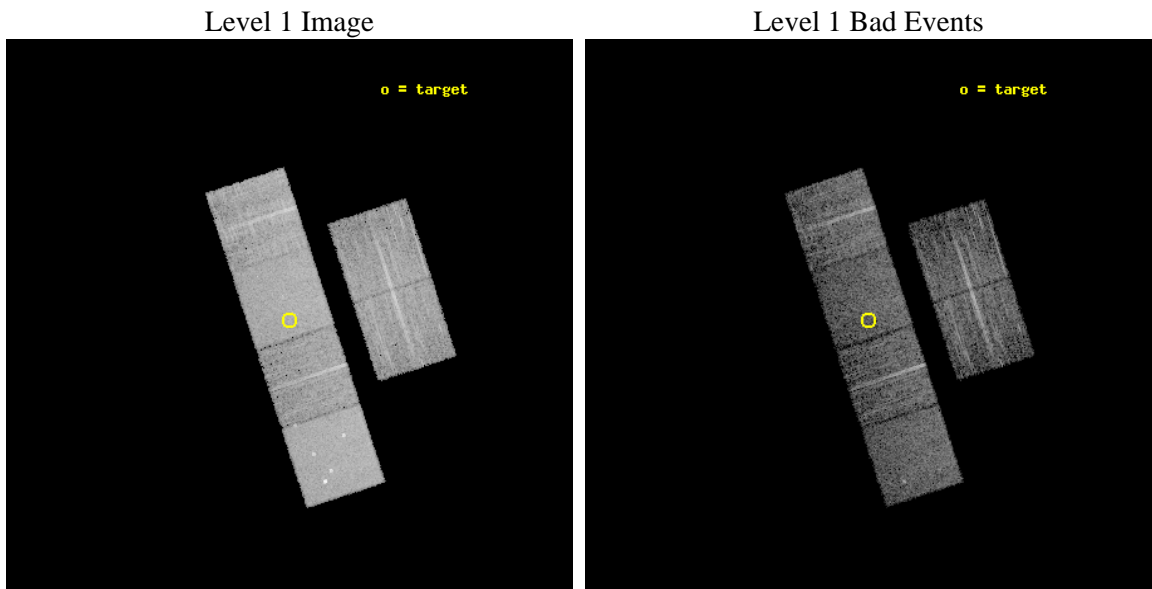
seq_num	701510	Sequence number
obs_id	7846	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	NGC 1341	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	51.993333	Observer's specified target RA [deg]
dec_targ	-37.15	Observer's specified target Dec [deg]
ra_nom	51.994679671649	Nominal RA [deg]
dec_nom	-37.154729131401	Nominal Dec [deg]
roll_nom	251.91703073264	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4952.1369741559	Sum of GTIs [s]
livetime	4889.4300339702	Livetime [s]
ontime2	4952.1780141592	Sum of GTIs [s]
ontime3	4952.013854146	Sum of GTIs [s]
ontime5	4952.0959341526	Sum of GTIs [s]
ontime6	4952.0548941493	Sum of GTIs [s]
ontime7	4952.1369741559	Sum of GTIs [s]
ontime8	4951.9728141427	Sum of GTIs [s]
l2events	74733	Number of level 2 events



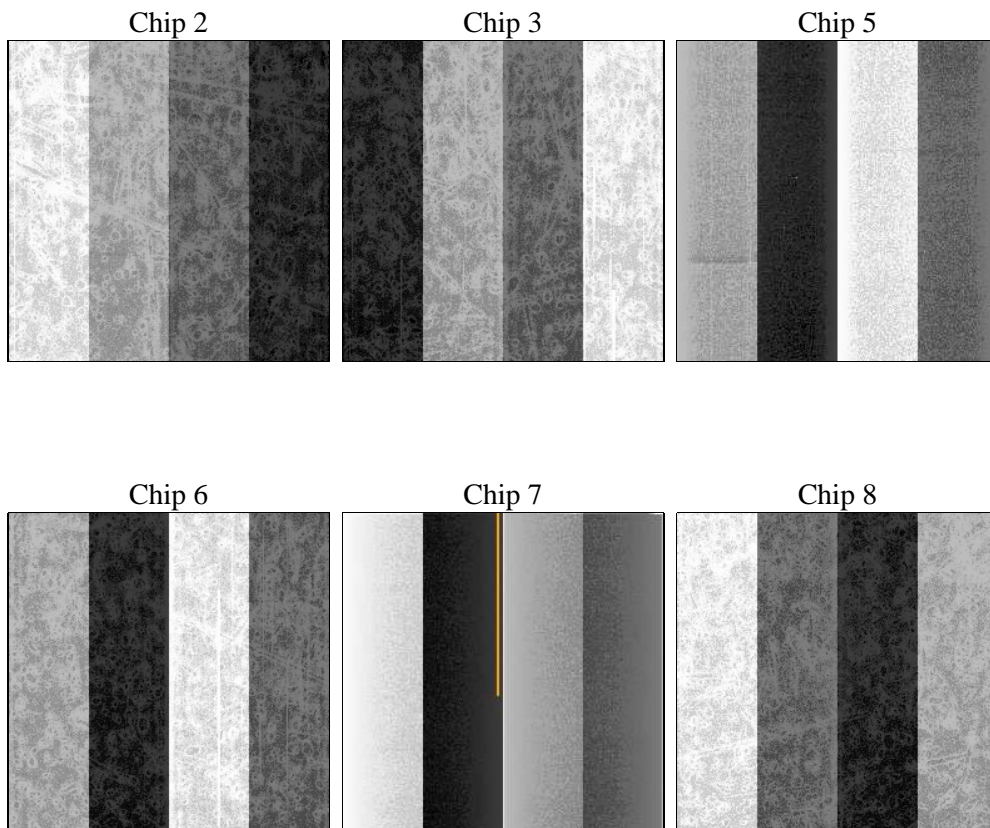
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4952.1369741559	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4952.1780141592	Sum of GTIs [s]
date	2012-04-21T13:31:51	Date and time of file creation	ontime3	4952.013854146	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4952.0959341526	Sum of GTIs [s]
			ontime6	4952.0548941493	Sum of GTIs [s]
			ontime7	4952.1369741559	Sum of GTIs [s]
			ontime8	4951.9728141427	Sum of GTIs [s]
			l1events	327505	Number of level 1 events

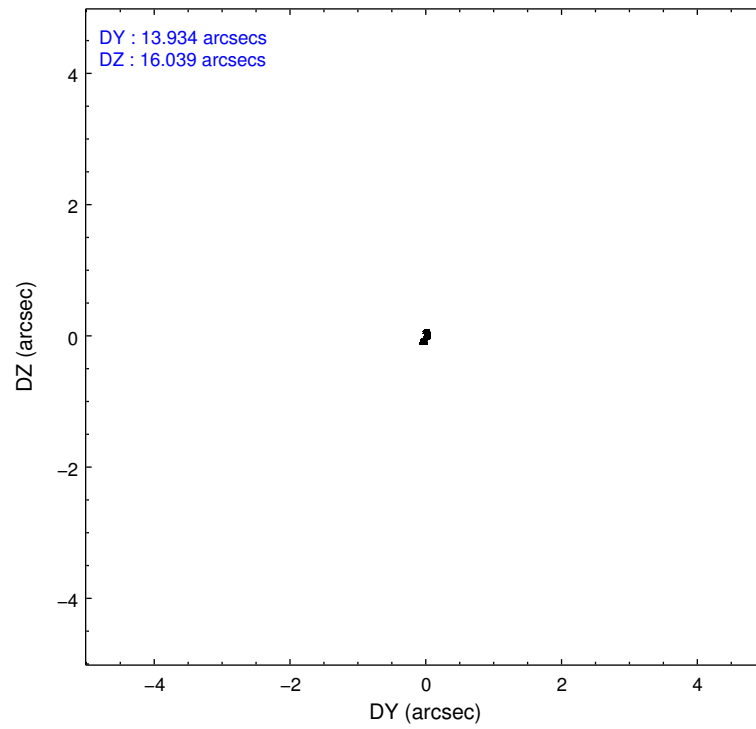
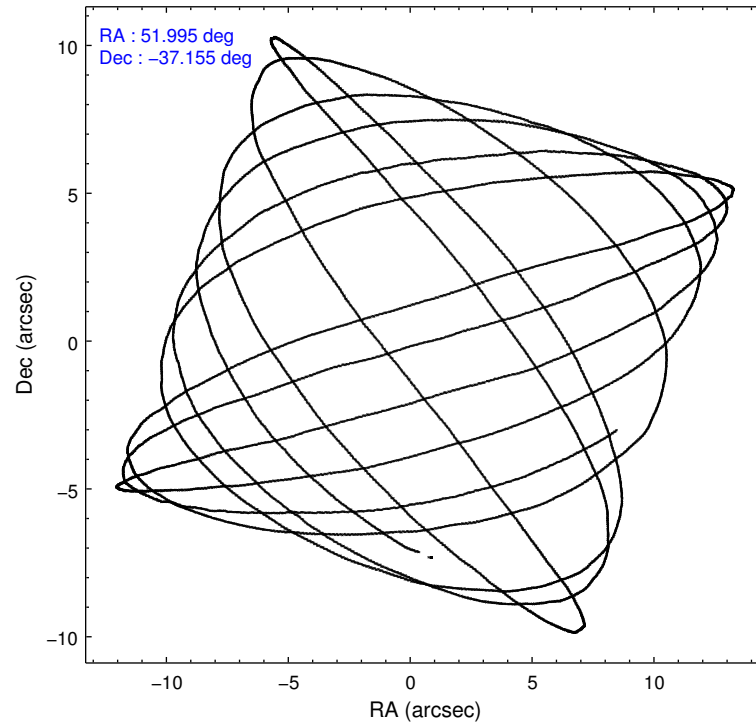
2.1.4 Events

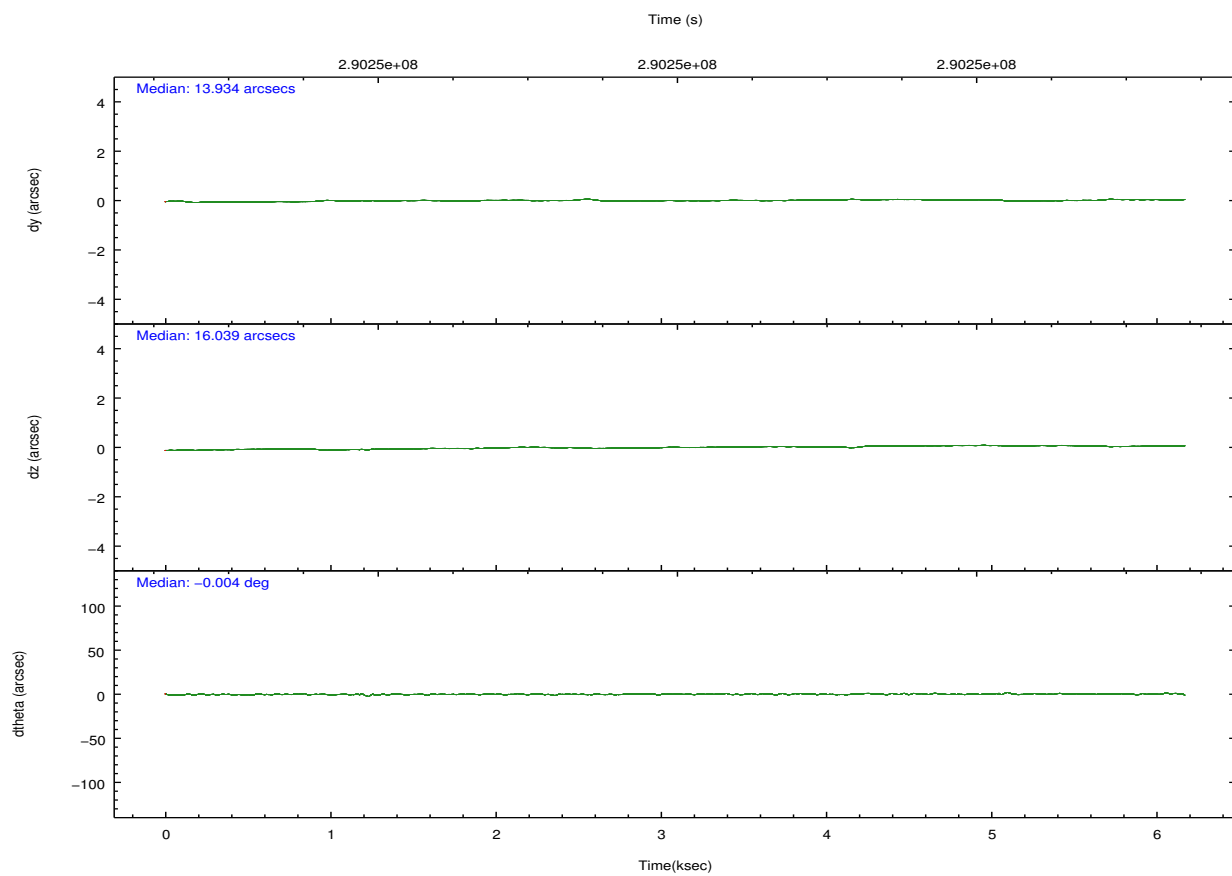
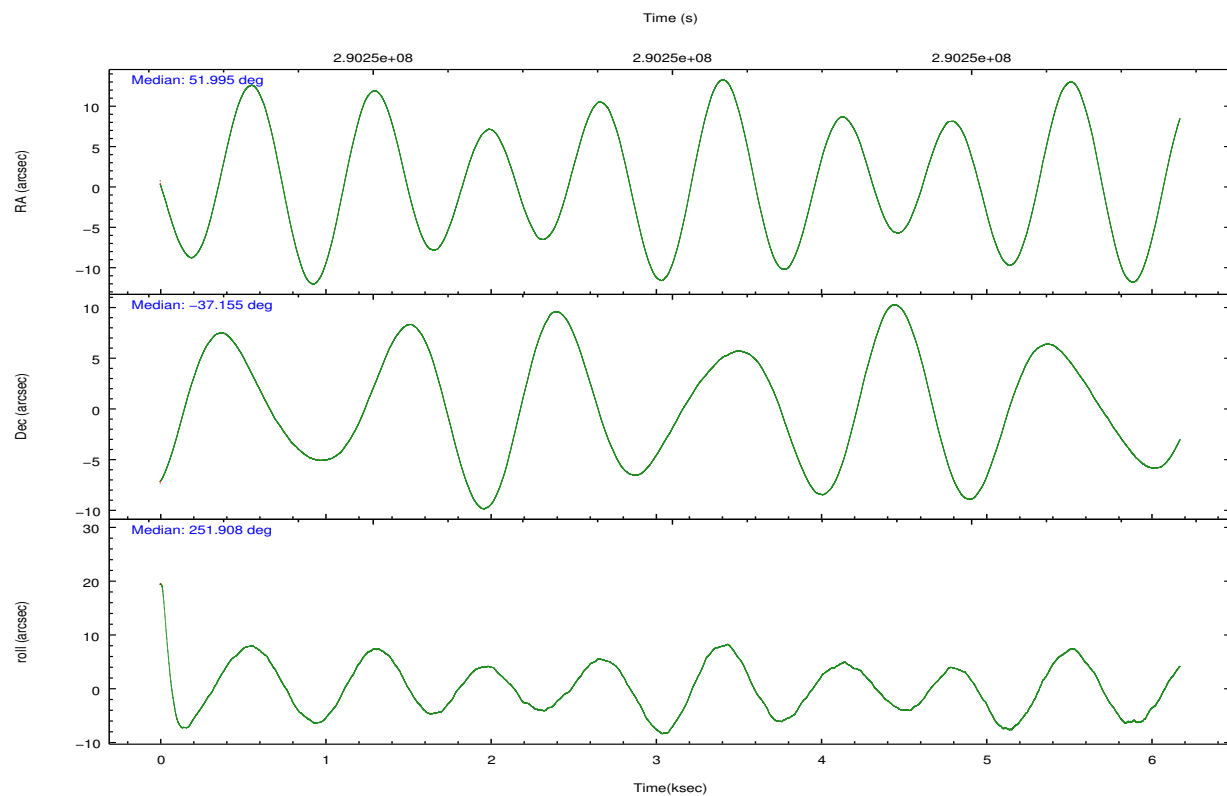
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	45971	44226	71200	44185	62202	59721	grade 0 events	2396	2265	3789	2138	2275	3931
rejected events	40546	38998	37843	38678	36068	46329		5%	5%	5%	4%	3%	6%
rejected %	88%	88%	53%	87%	57%	77%	grade 1 events	33	27	313	14	62	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	1152	1037	10449	1184	5367	3179
								2%	2%	14%	2%	8%	5%
							grade 3 events	514	547	1178	542	2295	1318
								1%	1%	1%	1%	3%	2%
							grade 4 events	491	470	1172	554	2234	1279
								1%	1%	1%	1%	3%	2%
							grade 5 events	1841	2079	5061	2165	5888	2901
								4%	4%	7%	4%	9%	4%
							grade 6 events	880	912	16788	1093	13975	3686
								1%	2%	23%	2%	22%	6%
							grade 7 events	38664	36889	32450	36495	30106	43376
								84%	83%	45%	82%	48%	72%

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	51.987221	51.99467967164931	Subarray requested	NONE	NONE
[deg] Pointing Dec	-37.128042	-37.15472913140148	Alternating exposures requested	N	N
[deg] Pointing Roll	251.755859	251.9170307326382	[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)	290246065.184000	290244615.43914			
Observation start date	2007-03-14T07:53:20	2007-03-14T07:30:15			
[s] Observation end time (MET)	290251065.184000	290251842.20198			
Observation end date	2007-03-14T09:16:40	2007-03-14T09:30:42			
Read mode	TIMED	TIMED			

2.3 Aspect



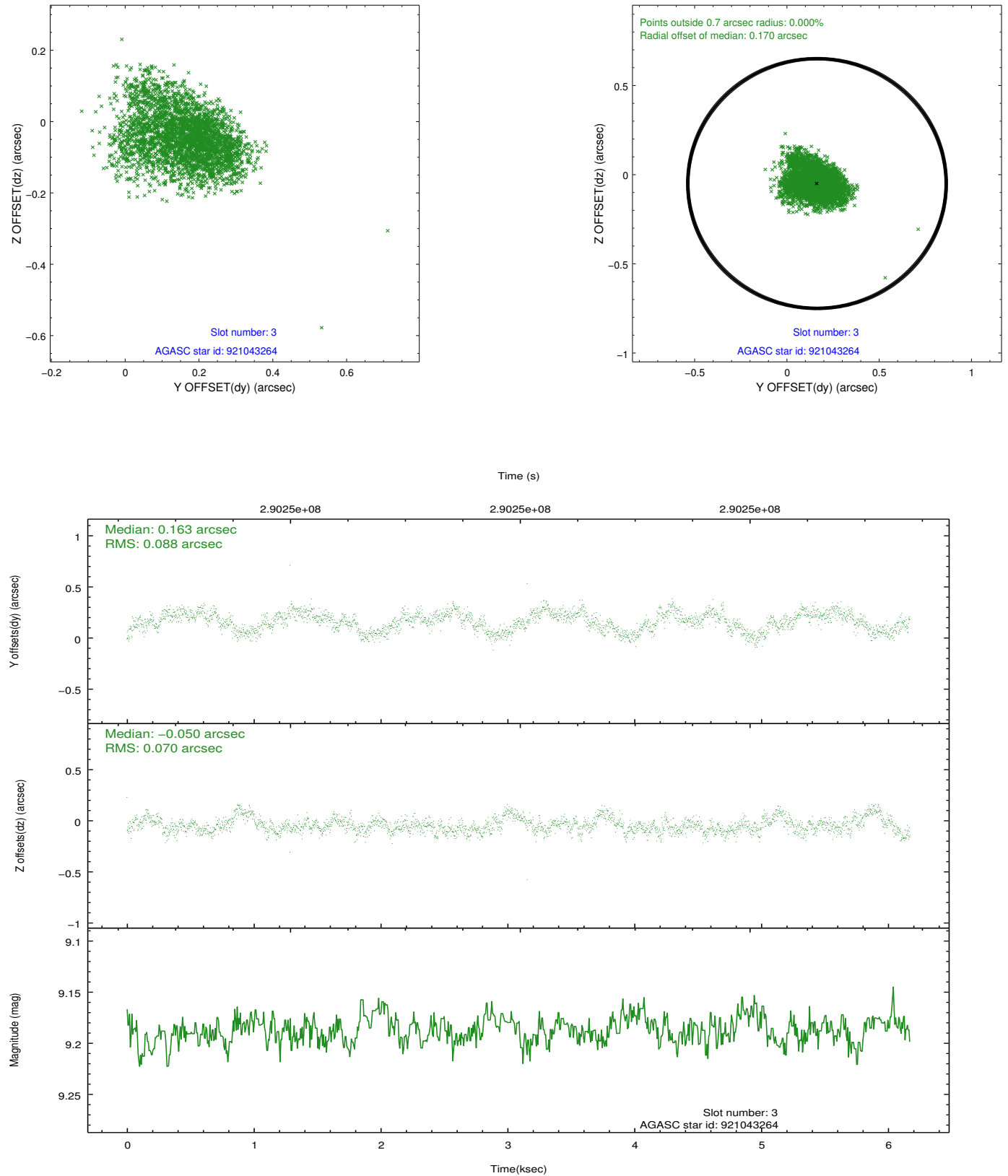


Slot Statistics

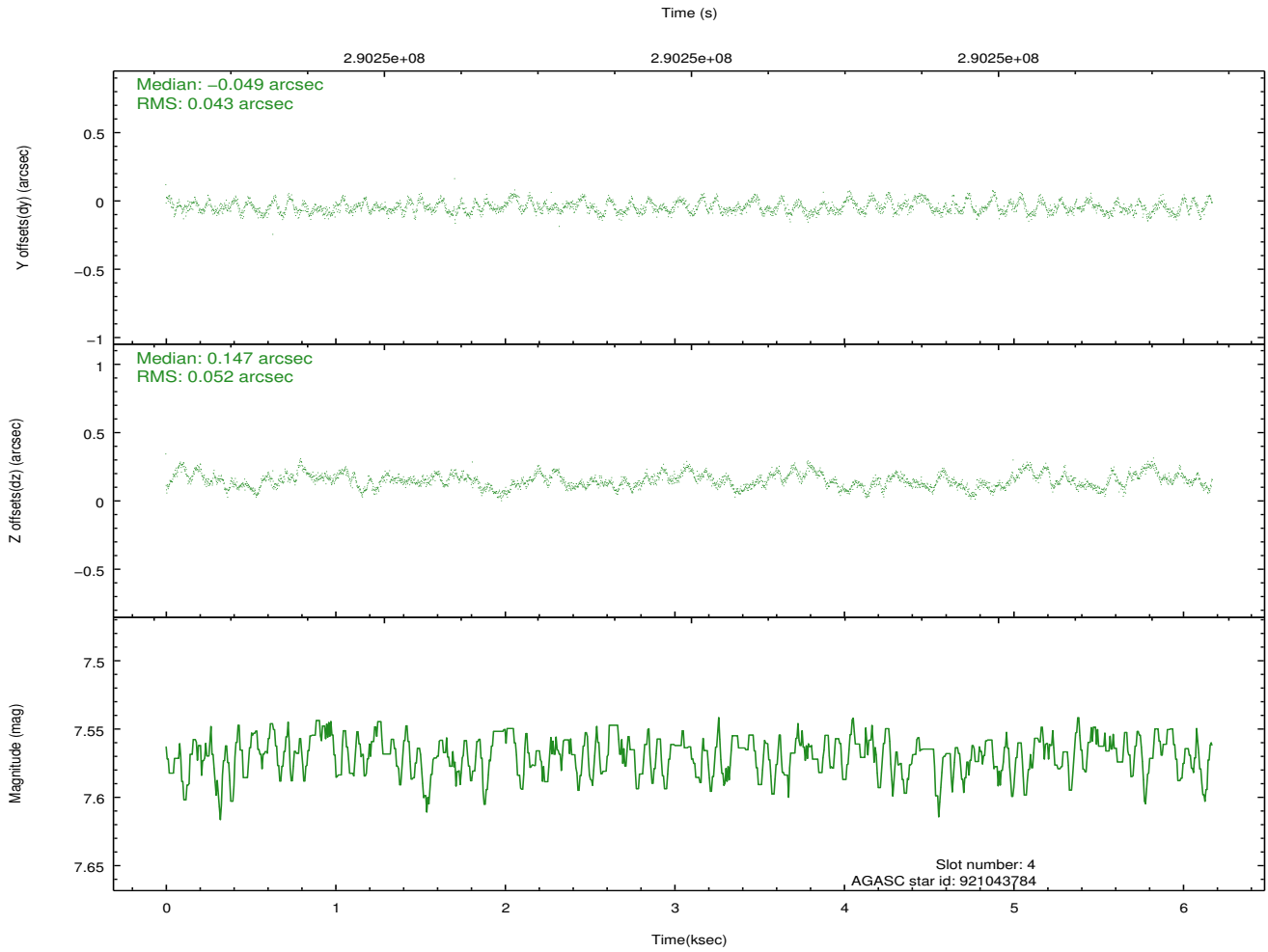
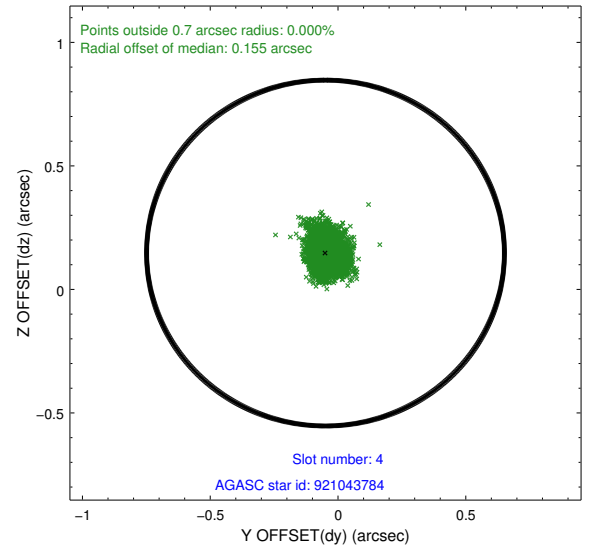
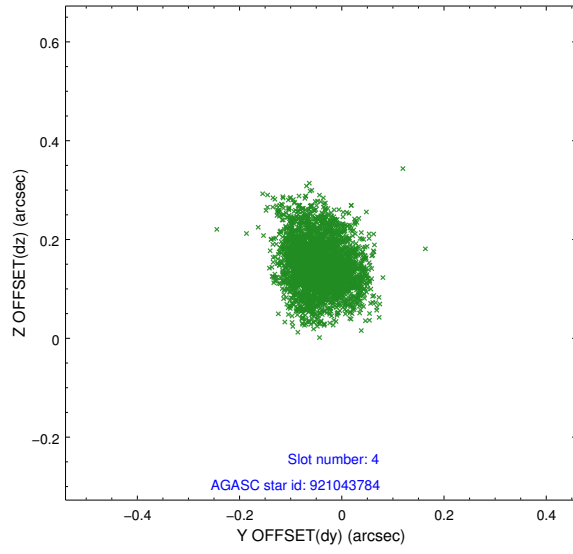
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1506	-0.061	-0.035	0.006	0.011	0.000000	0.000000	-766.93	-1737.48
1	FID	ACIS-S-4	7.19	1506	0.210	0.039	0.005	0.010	0.000000	0.000000	2146.17	170.09
2	FID	ACIS-S-5	7.22	1506	-0.180	0.005	0.006	0.011	0.000000	0.000000	-1818.67	164.81
3	GUIDE	921043264	9.19	3006	0.163	-0.050	0.122	0.191	52.077753	-37.447297	1011.08	606.11
4	GUIDE	921043784	7.57	3011	-0.049	0.147	0.073	0.115	51.303384	-37.152691	706.21	-1832.65
5	GUIDE	921044672	9.53	3011	0.026	-0.039	0.118	0.184	51.169120	-37.227385	1084.31	-2112.06
6	GUIDE	921046016	9.06	3011	-0.089	0.001	0.087	0.140	52.353708	-37.011711	-725.37	869.76
7	GUIDE	991962896	10.04	3003	-0.051	-0.069	0.128	0.202	52.573294	-37.616405	1150.98	2140.36

2.4 Star Slots

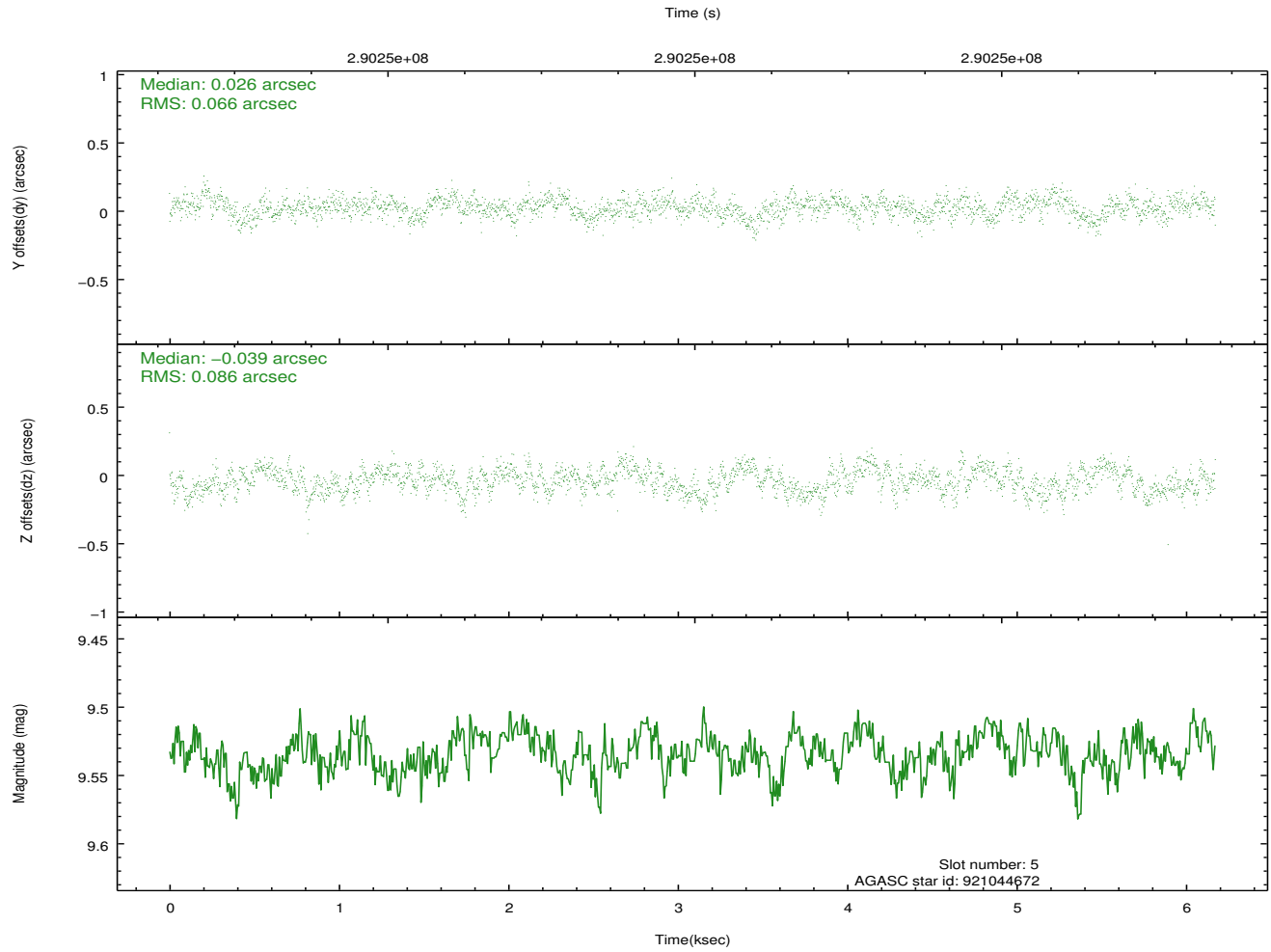
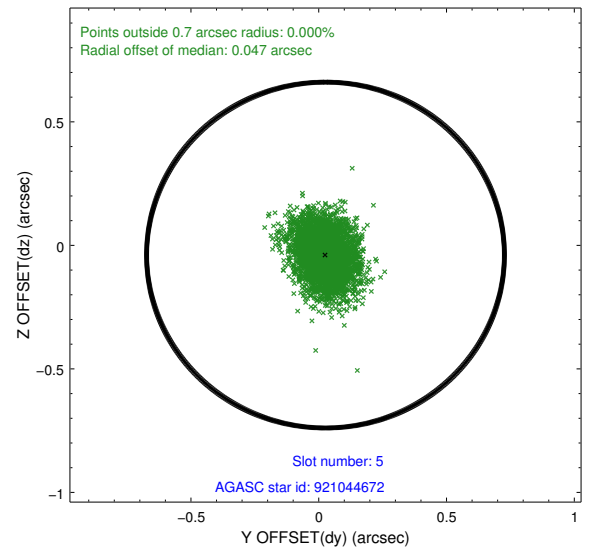
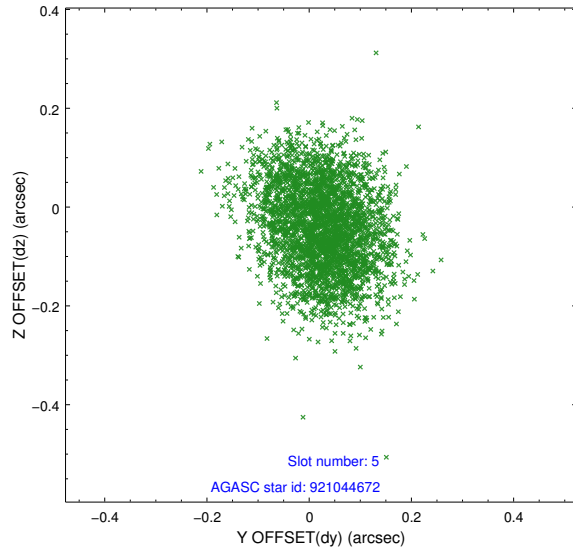
2.4.1 Slot 3



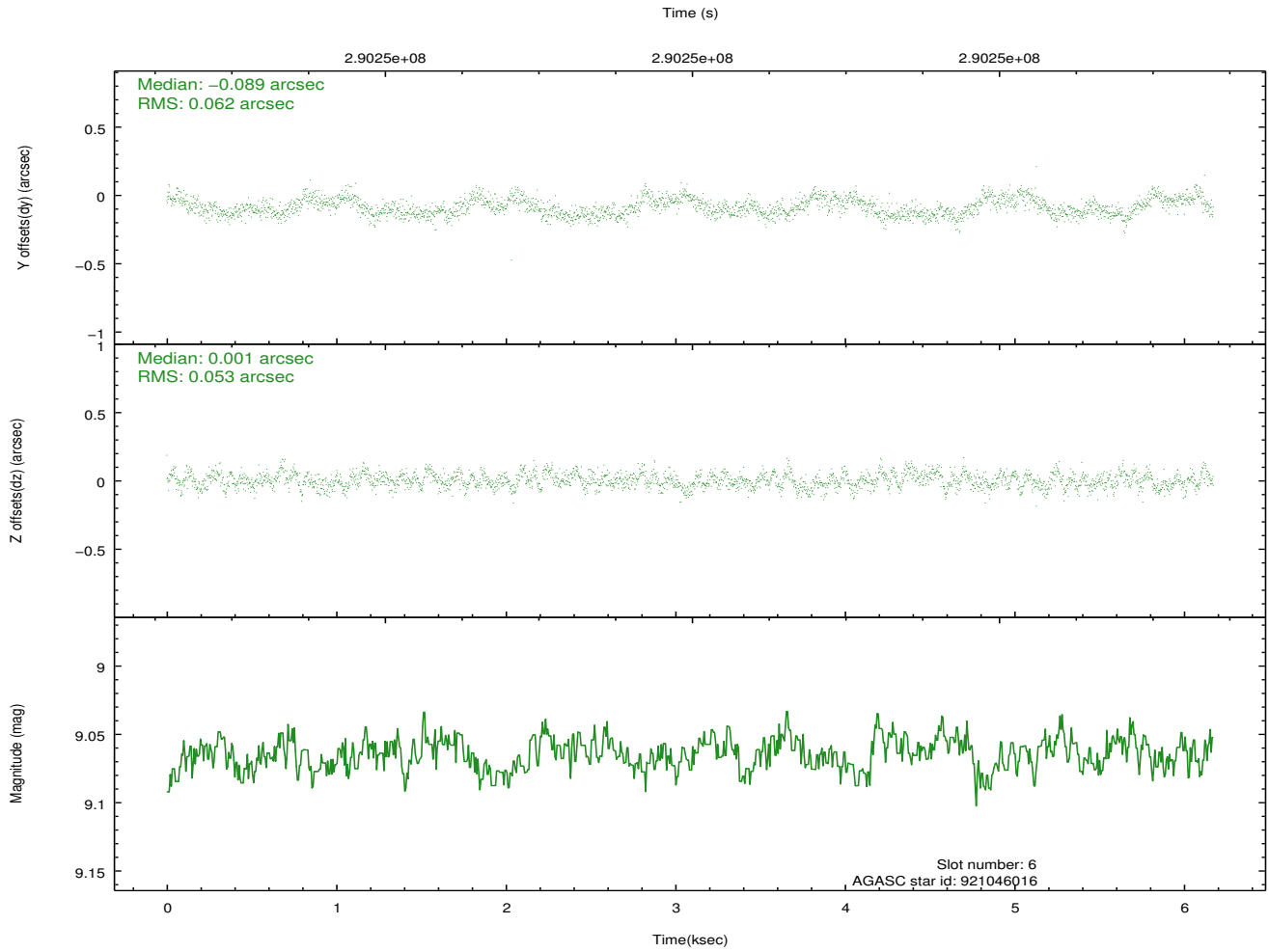
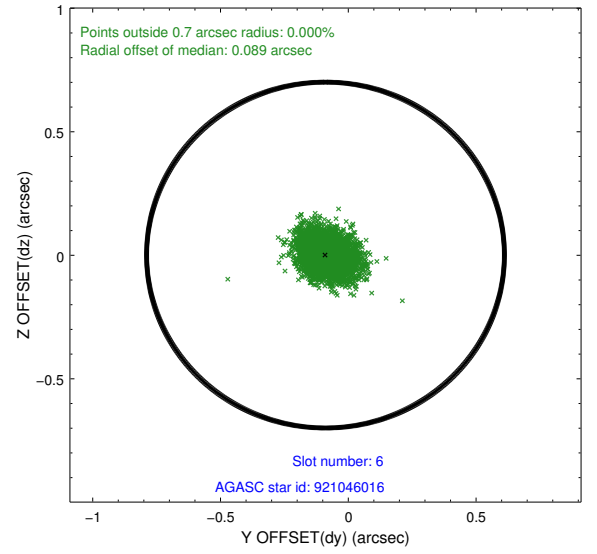
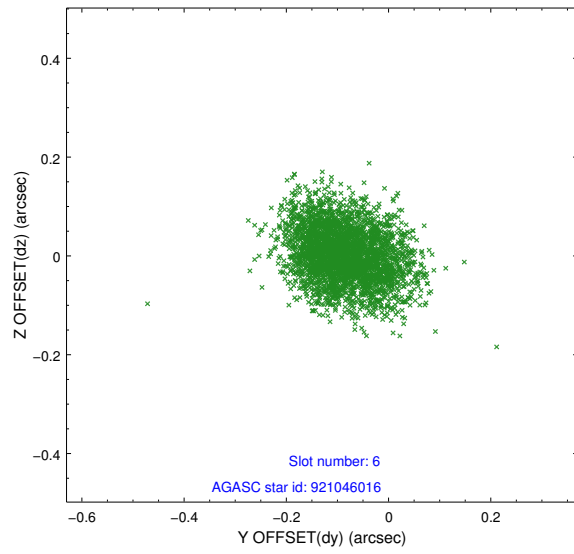
2.4.2 Slot 4



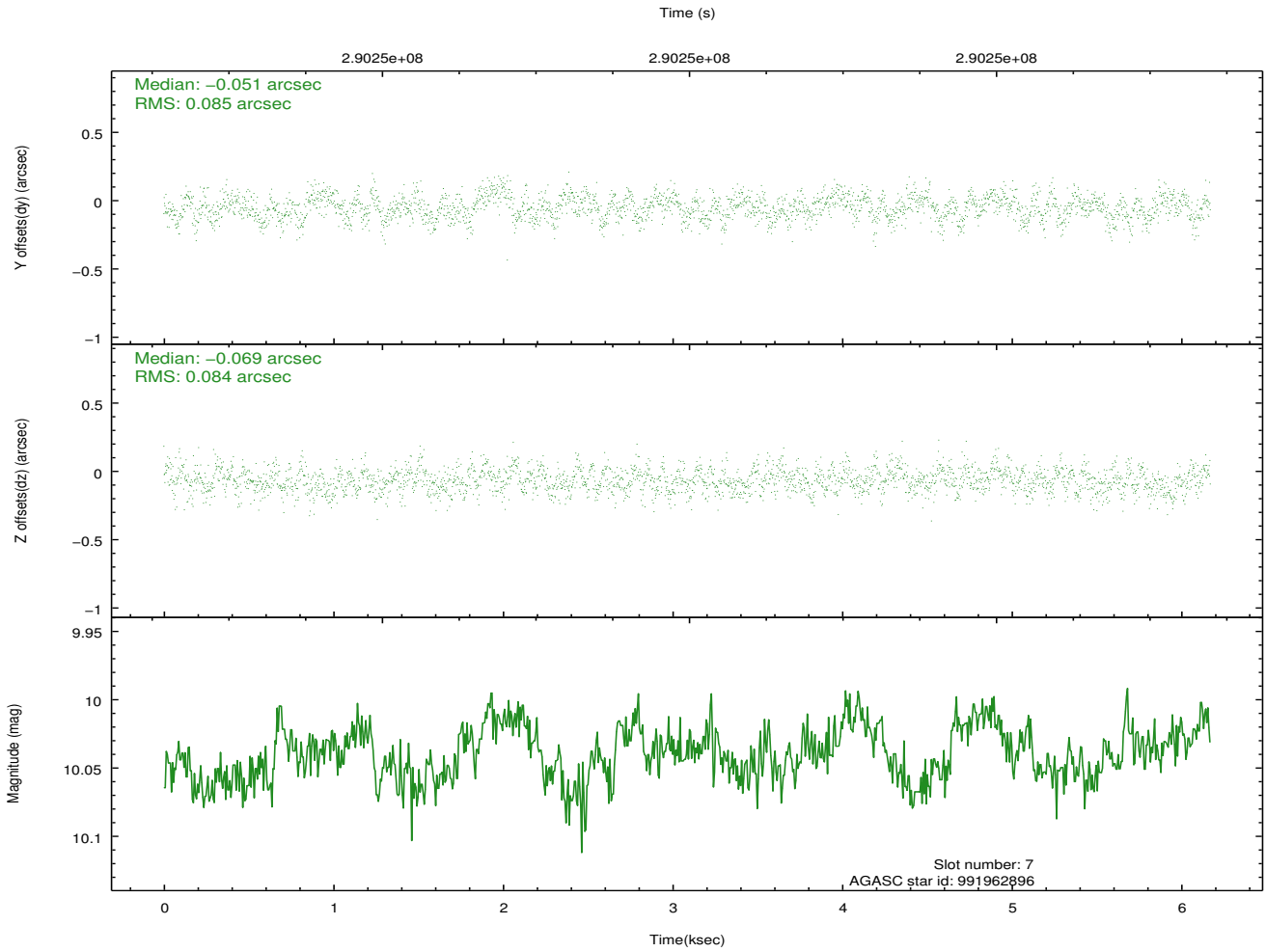
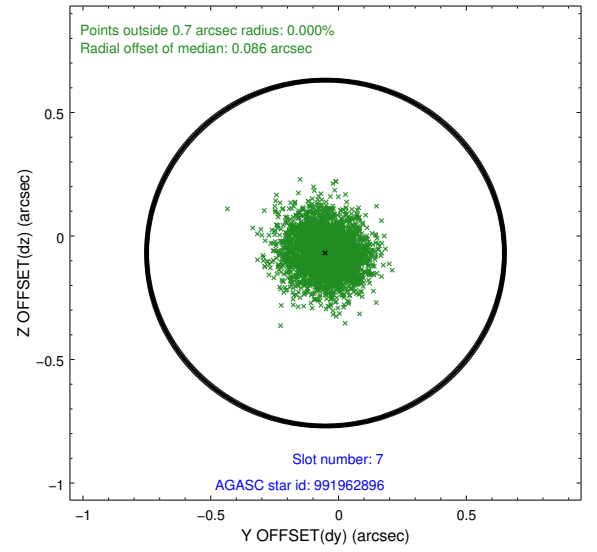
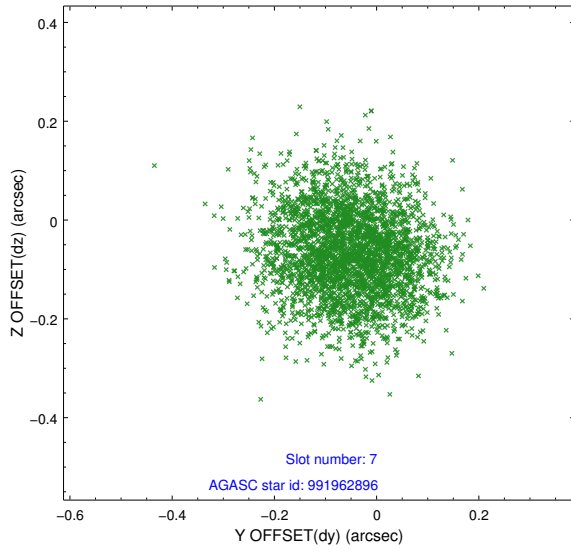
2.4.3 Slot 5



2.4.4 Slot 6

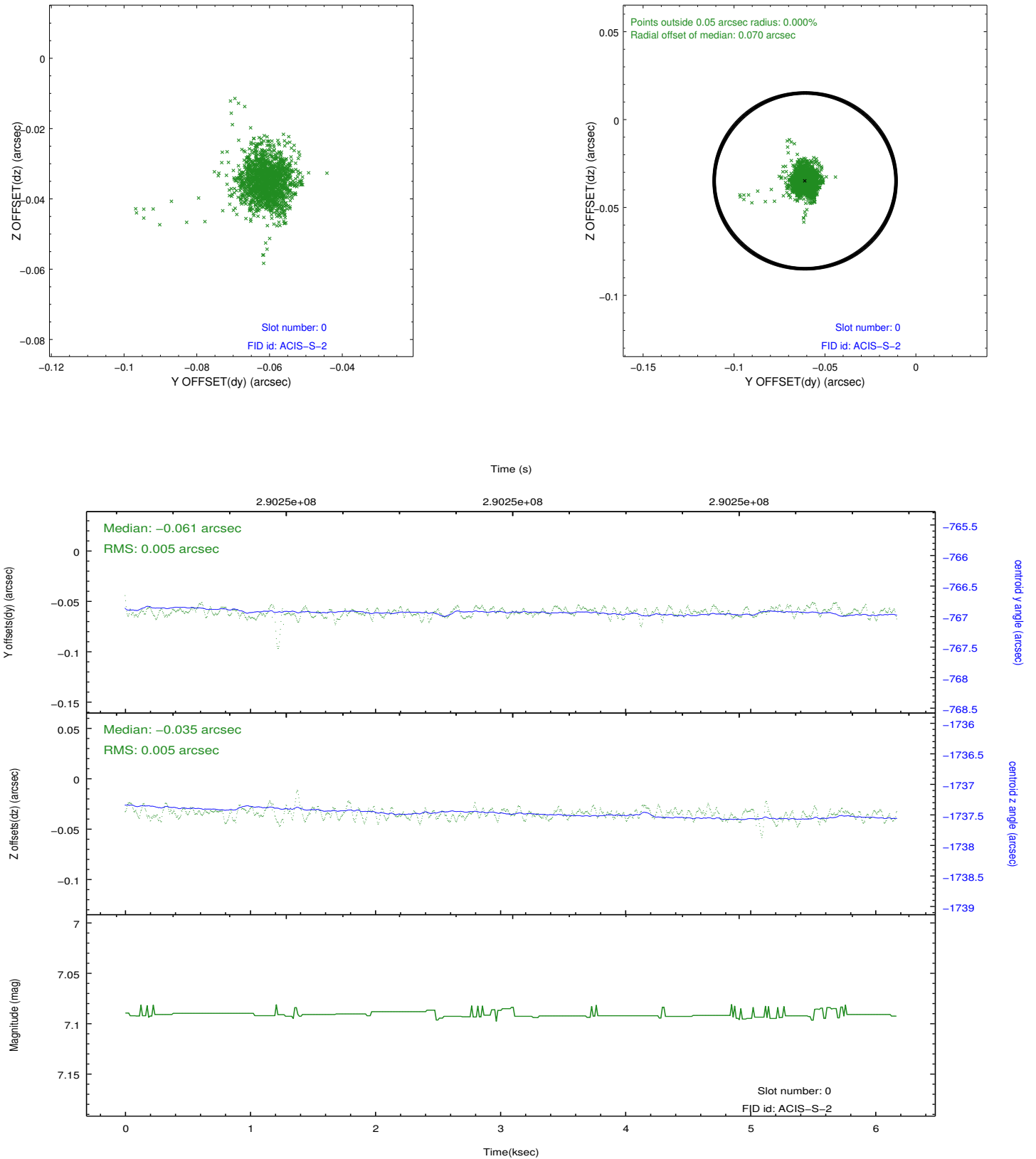


2.4.5 Slot 7

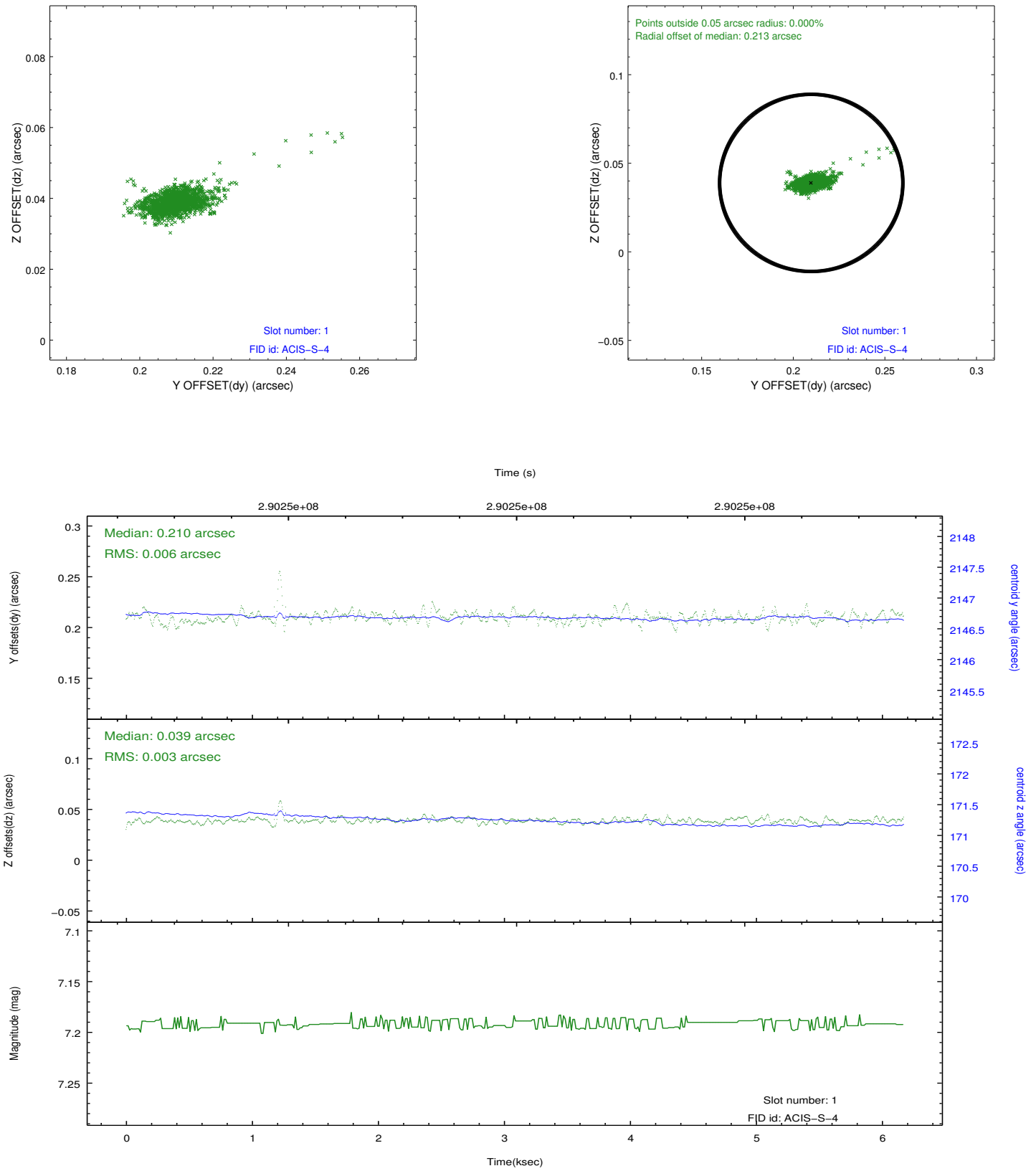


2.5 FID Slots

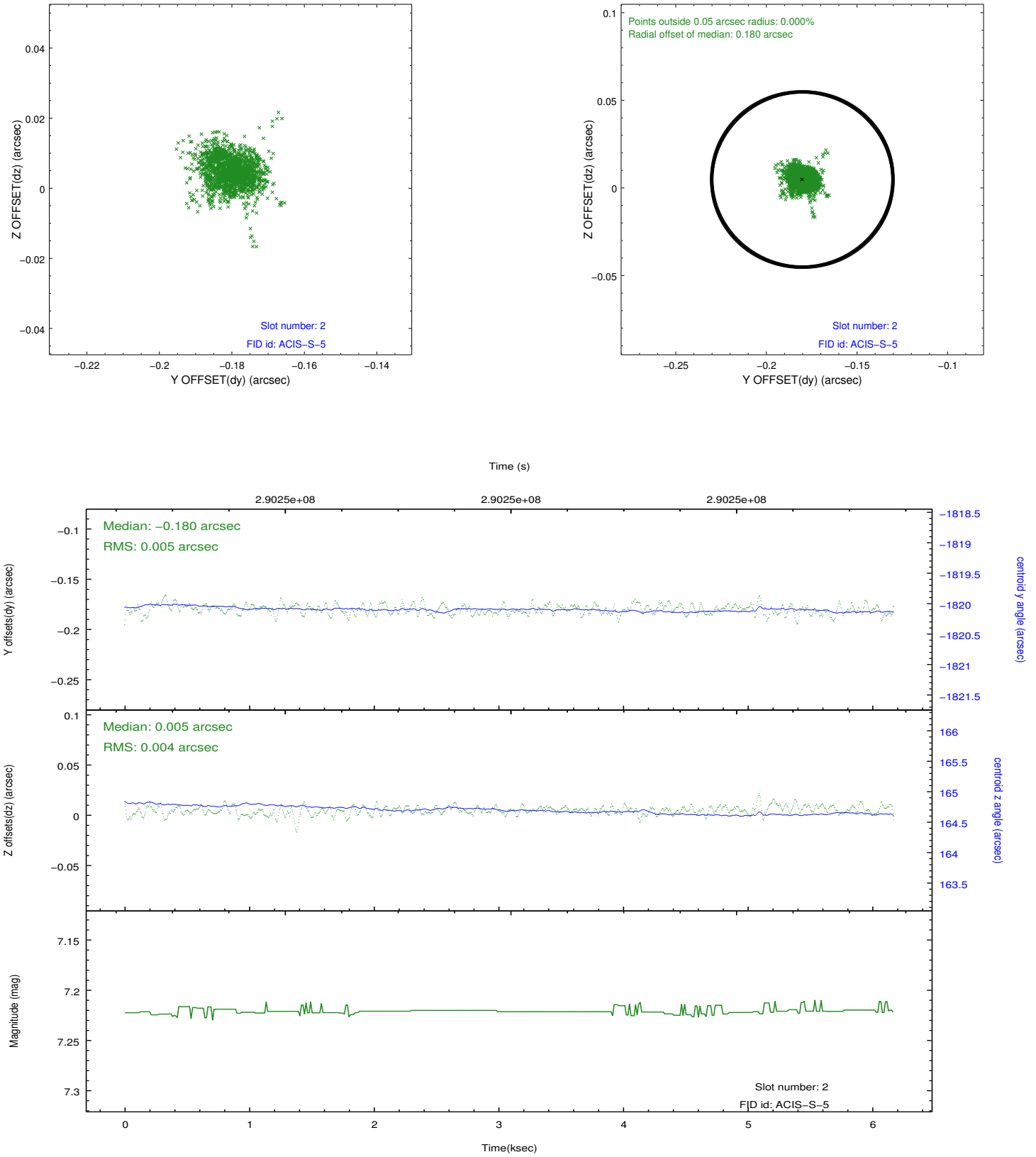
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95359998

A.2 Comments