

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4020 - L2 Version 3
Chandra X-Ray Center

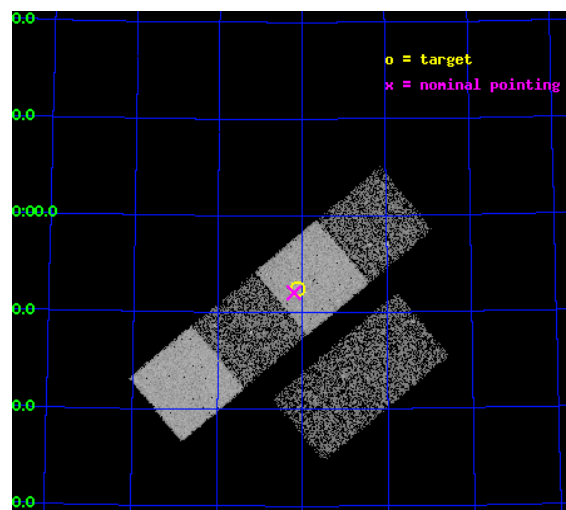
L2 Processing Date : Nov 2 2012

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1 Front

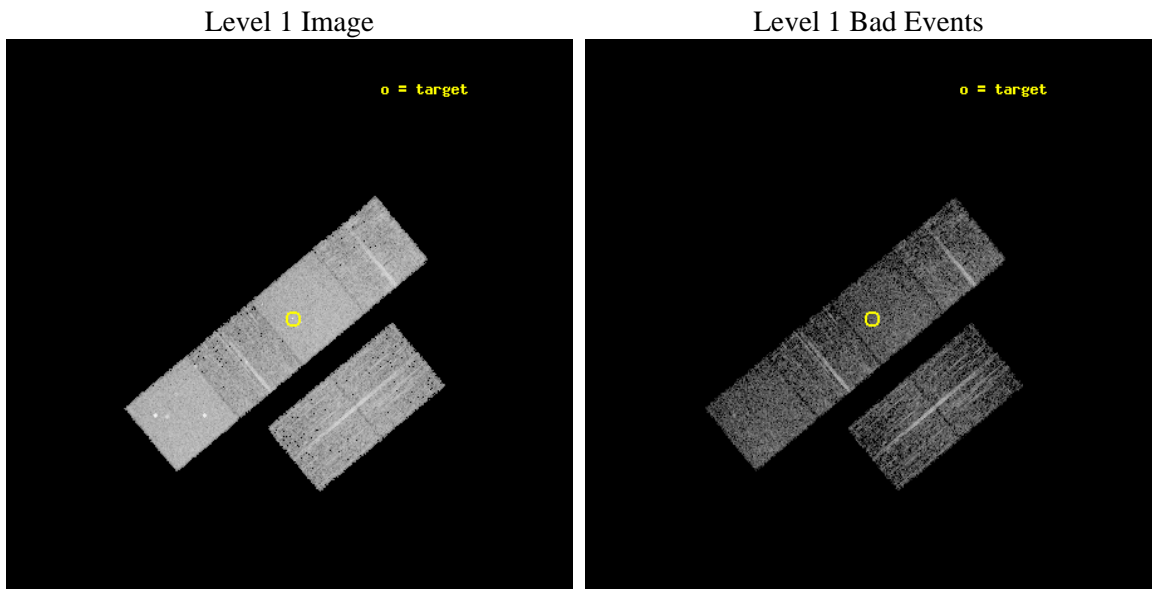
seq_num	700699	Sequence number
obs_id	4020	Observation id
title	A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES	Proposal title
observer	Dr. Shobita Satyapal	Principal investigator
object	NGC4750	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.529583	Observer's specified target RA [deg]
dec_targ	72.875	Observer's specified target Dec [deg]
ra_nom	192.55063809661	Nominal RA [deg]
dec_nom	72.867581150805	Nominal Dec [deg]
roll_nom	320.14455928929	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4995.1999813914	Sum of GTIs [s]
livetime	4931.9477514787	Livetime [s]
ontime2	4995.1999813914	Sum of GTIs [s]
ontime3	4995.1850995421	Sum of GTIs [s]
ontime5	4995.1999813914	Sum of GTIs [s]
ontime6	4995.1999813914	Sum of GTIs [s]
ontime7	4995.1999813914	Sum of GTIs [s]
ontime8	4995.1440595686	Sum of GTIs [s]
l2events	61966	Number of level 2 events



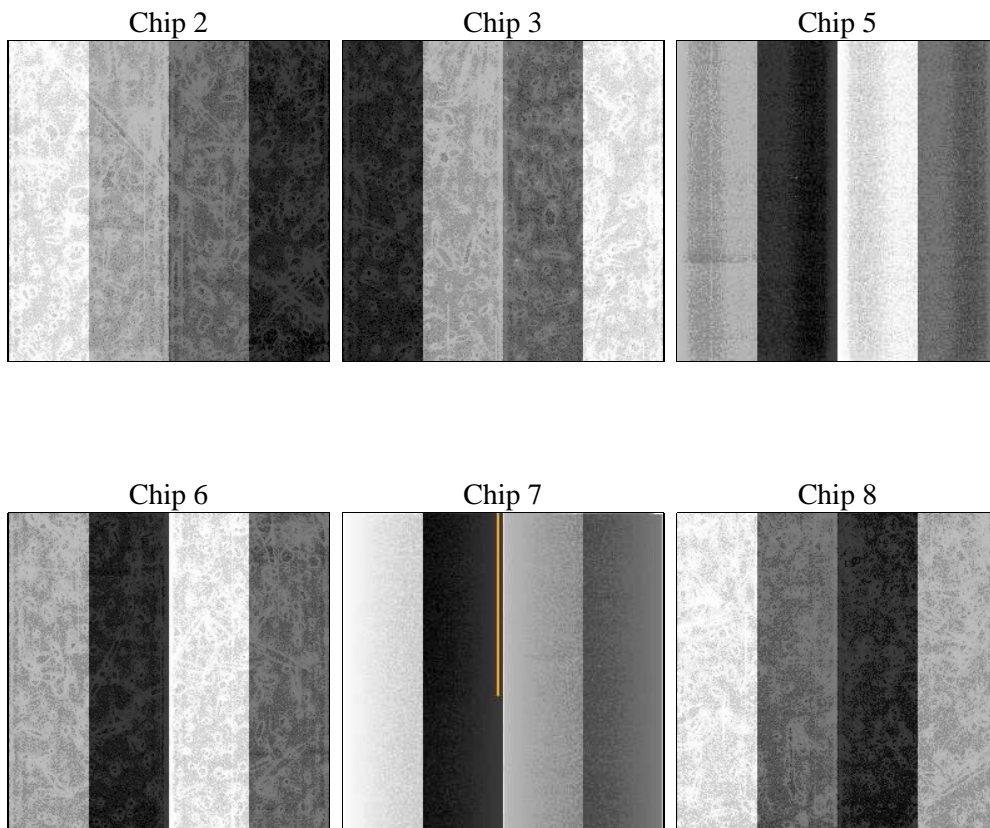
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4932.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4995.1999813914	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4995.1999813914	Sum of GTIs [s]
date	2012-11-02T16:00:46	Date and time of file creation	ontime3	4995.1850995421	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4995.1999813914	Sum of GTIs [s]
			ontime6	4995.1999813914	Sum of GTIs [s]
			ontime7	4995.1999813914	Sum of GTIs [s]
			ontime8	4995.1440595686	Sum of GTIs [s]
			l1events	232853	Number of level 1 events

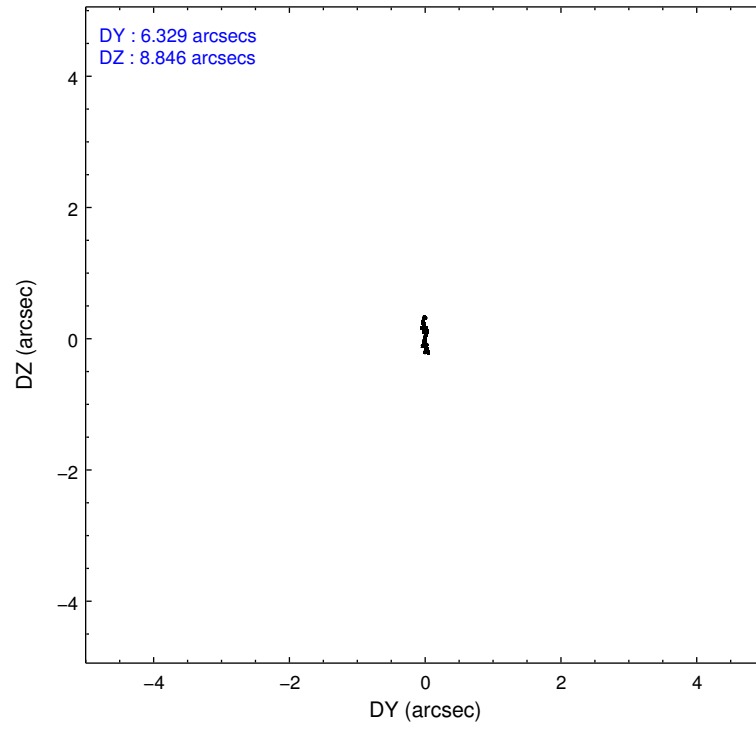
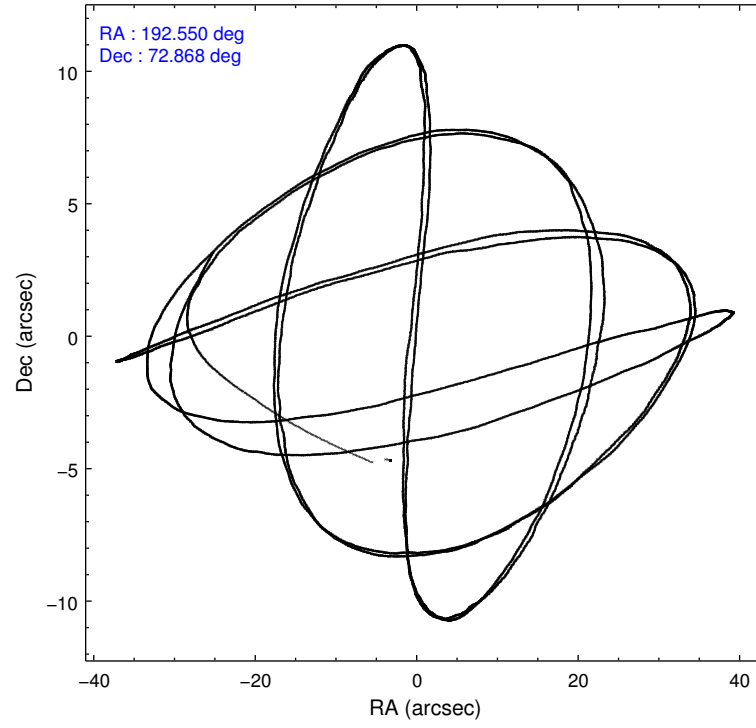
2.1.4 Events

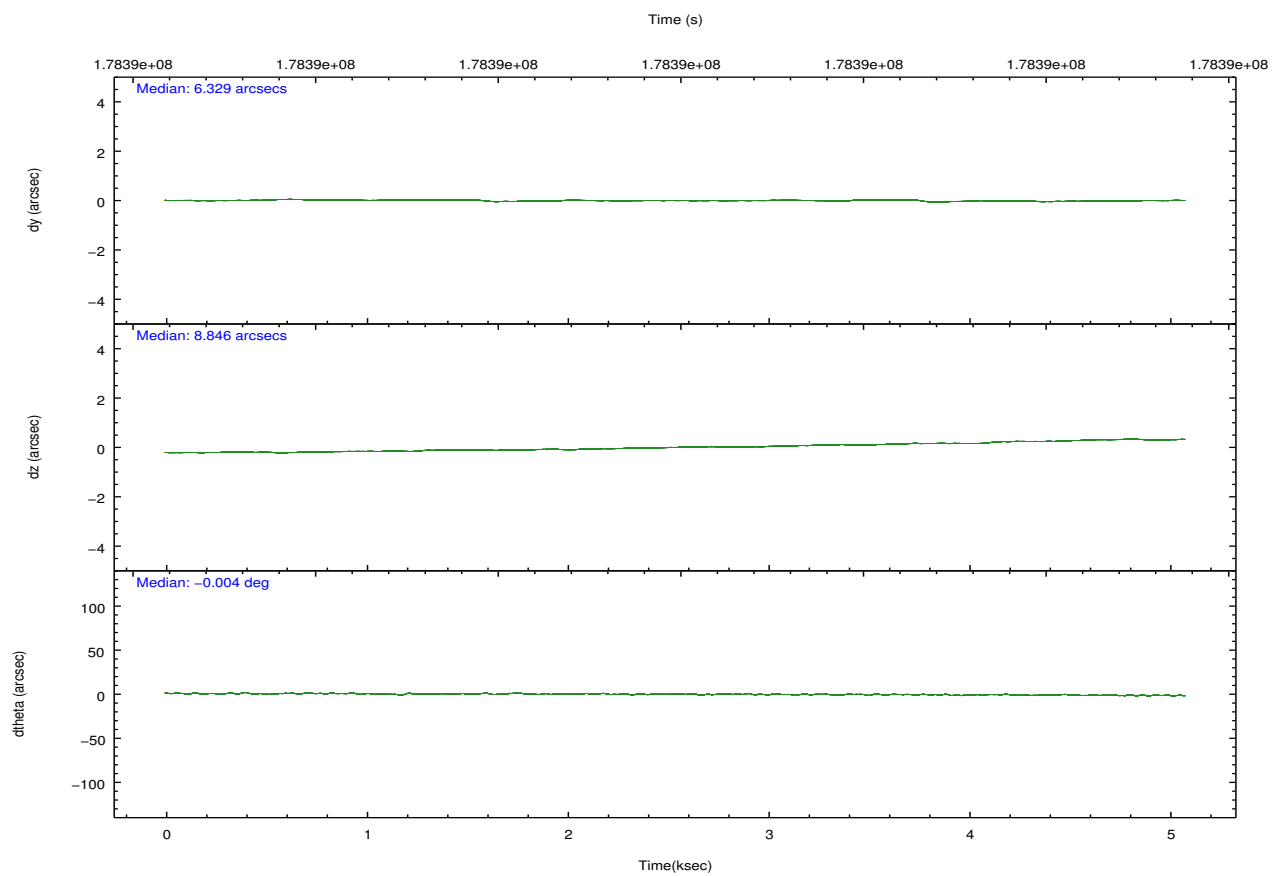
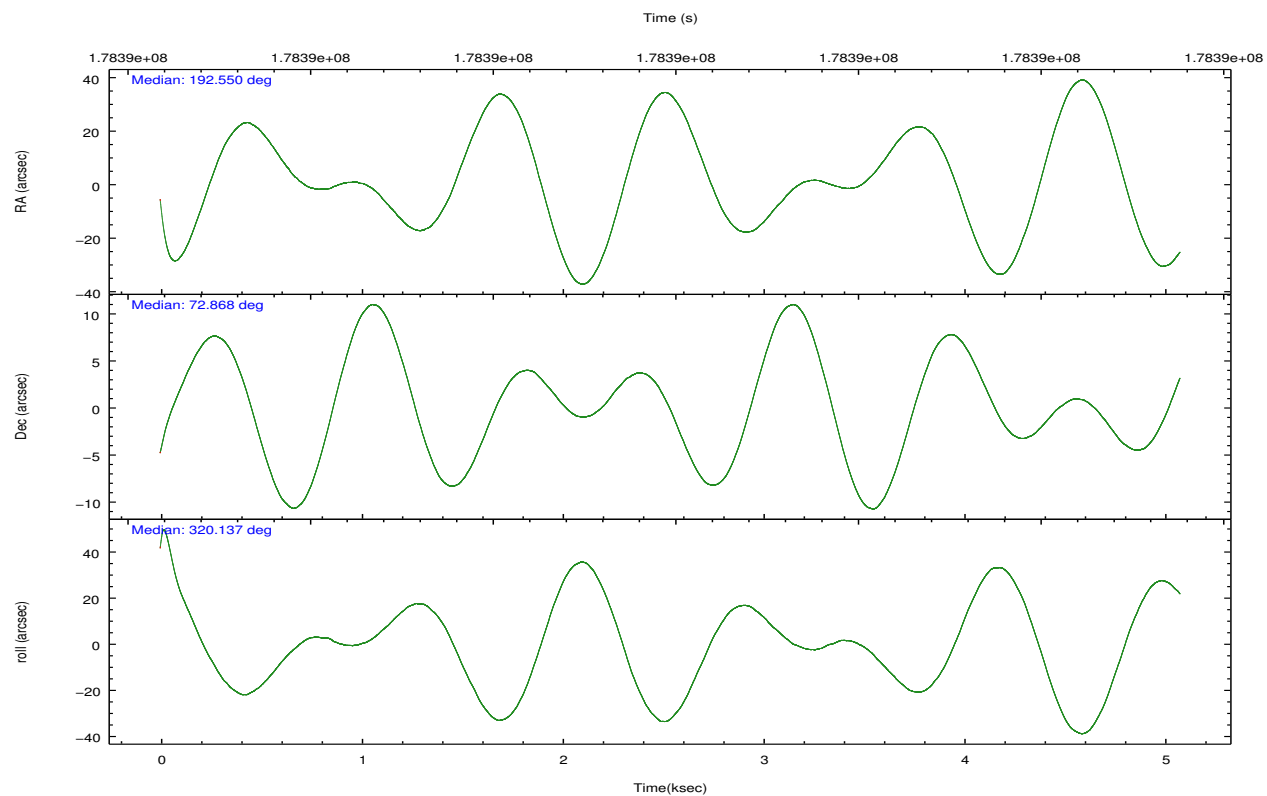
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32009	30546	51657	31015	47670	39956	grade 0 events	2034	1955	3601	2168	2293	3225
rejected events	27817	26441	25243	26439	25127	31080		6%	6%	6%	6%	4%	8%
rejected %	86%	86%	48%	85%	52%	77%	grade 1 events	25	16	114	18	37	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	803	723	7593	833	4233	1857
								2%	2%	14%	2%	8%	4%
							grade 3 events	341	372	1146	367	1920	902
								1%	1%	2%	1%	4%	2%
							grade 4 events	377	388	1140	421	1858	798
								1%	1%	2%	1%	3%	1%
							grade 5 events	1207	1357	3507	1411	4115	1873
								3%	4%	6%	4%	8%	4%
							grade 6 events	643	675	12973	792	12273	2098
								2%	2%	25%	2%	25%	5%
							grade 7 events	26579	25060	21583	25005	20941	29170
								83%	82%	41%	80%	43%	73%

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	192.459394	192.5506380966144	Subarray requested	NONE	NONE
[deg] Pointing Dec	72.871889	72.86758115080517	Alternating exposures requested	N	N
[deg] Pointing Roll	320.075013	320.1445592892852	[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)	178386570.184000	178385427.08939			
Observation start date	2003-08-27T15:48:26	2003-08-27T15:30:27			
[s] Observation end time (MET)	178391502.184000	178391910.21467			
Observation end date	2003-08-27T17:10:38	2003-08-27T17:18:30			
Read mode	TIMED	TIMED			

2.3 Aspect



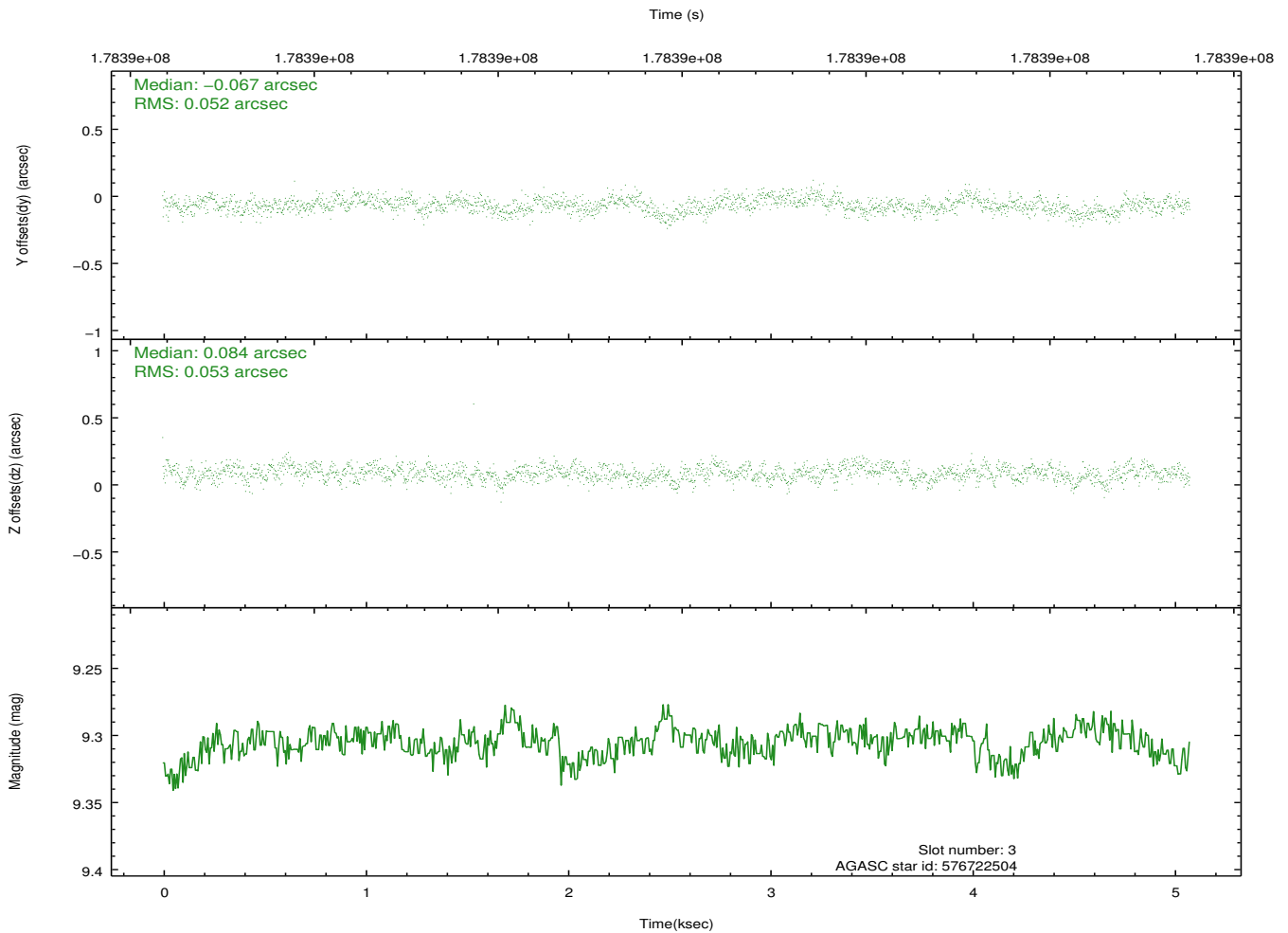
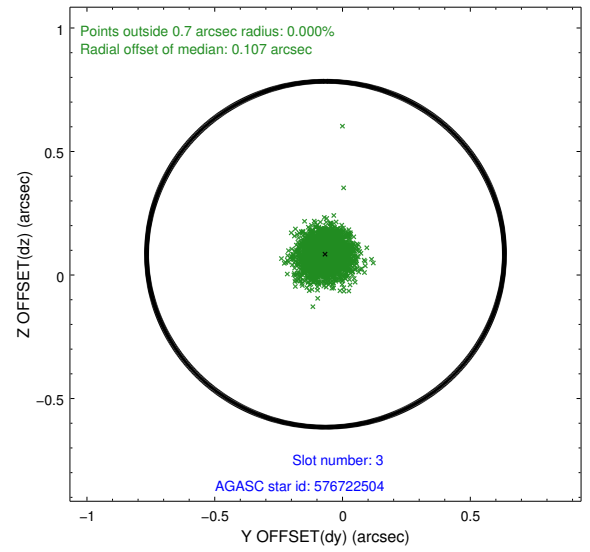
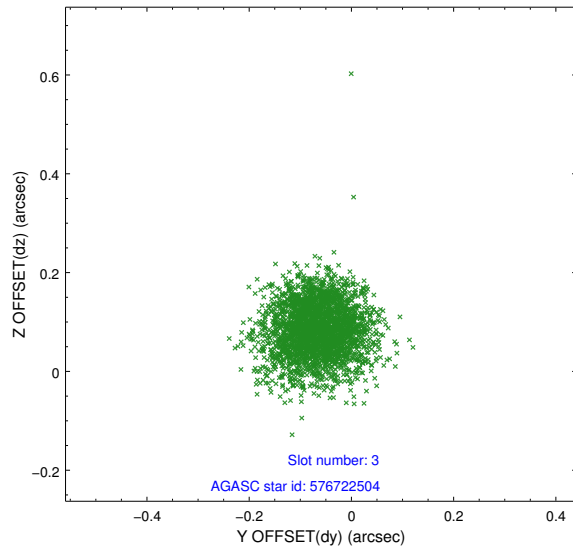


Slot Statistics

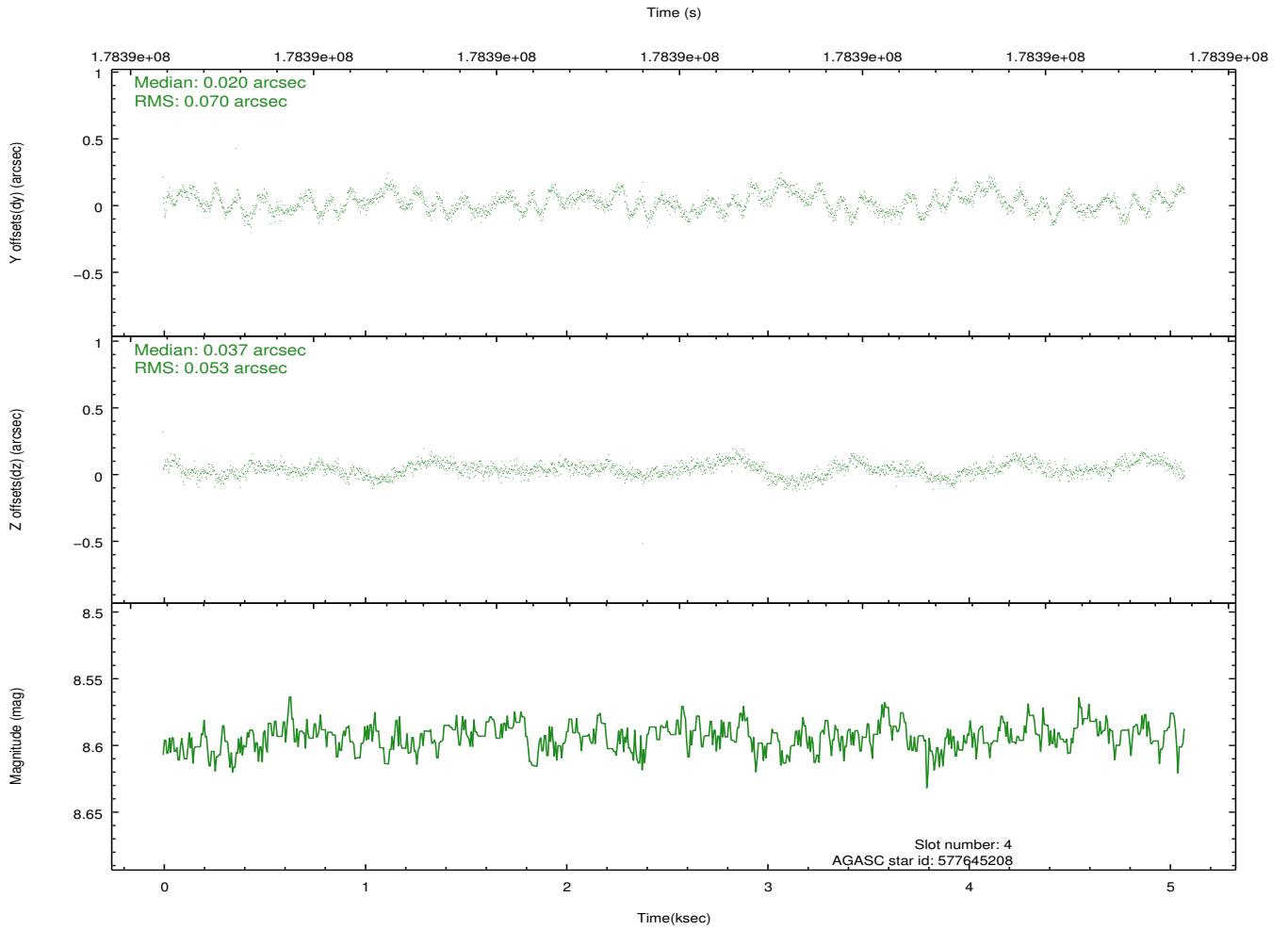
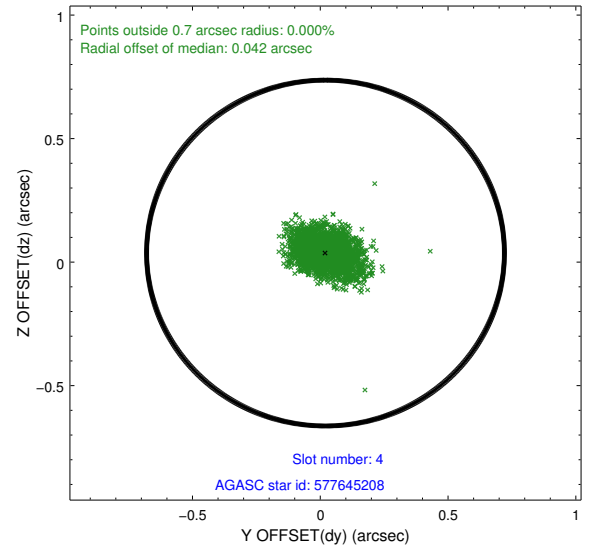
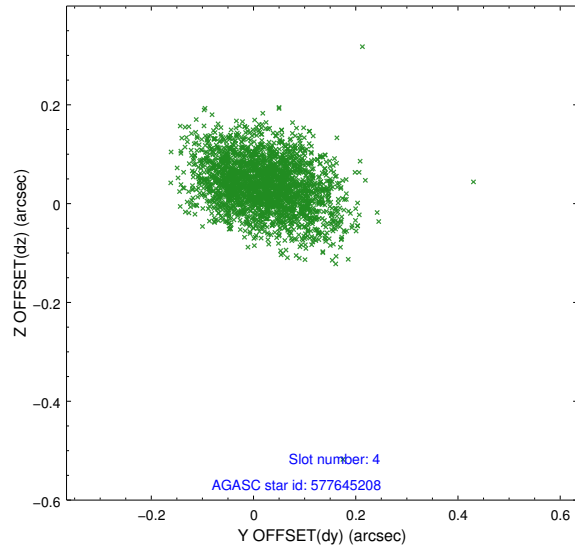
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1239	-0.040	-0.041	0.008	0.013	0.000000	0.000000	-759.11	-1730.11
1	FID	ACIS-S-4	7.20	1239	0.065	0.031	0.006	0.012	0.000000	0.000000	2153.74	177.19
2	FID	ACIS-S-5	7.22	1238	-0.056	0.019	0.007	0.011	0.000000	0.000000	-1810.42	172.23
3	GUIDE	576722504	9.30	2478	-0.067	0.084	0.079	0.126	190.500607	72.964040	-1818.90	-1045.89
4	GUIDE	577645208	8.59	2478	0.020	0.037	0.092	0.150	192.257714	73.594476	-1827.66	1863.41
5	GUIDE	577645680	8.74	2478	0.053	-0.078	0.062	0.101	193.506665	72.767323	1091.29	436.86
6	GUIDE	577644856	8.79	2470	-0.027	-0.140	0.087	0.133	192.563814	73.683974	-1794.97	2310.17
7	GUIDE	577646344	9.10	2476	0.022	0.103	0.122	0.196	192.898042	72.523034	1168.30	-655.76

2.4 Star Slots

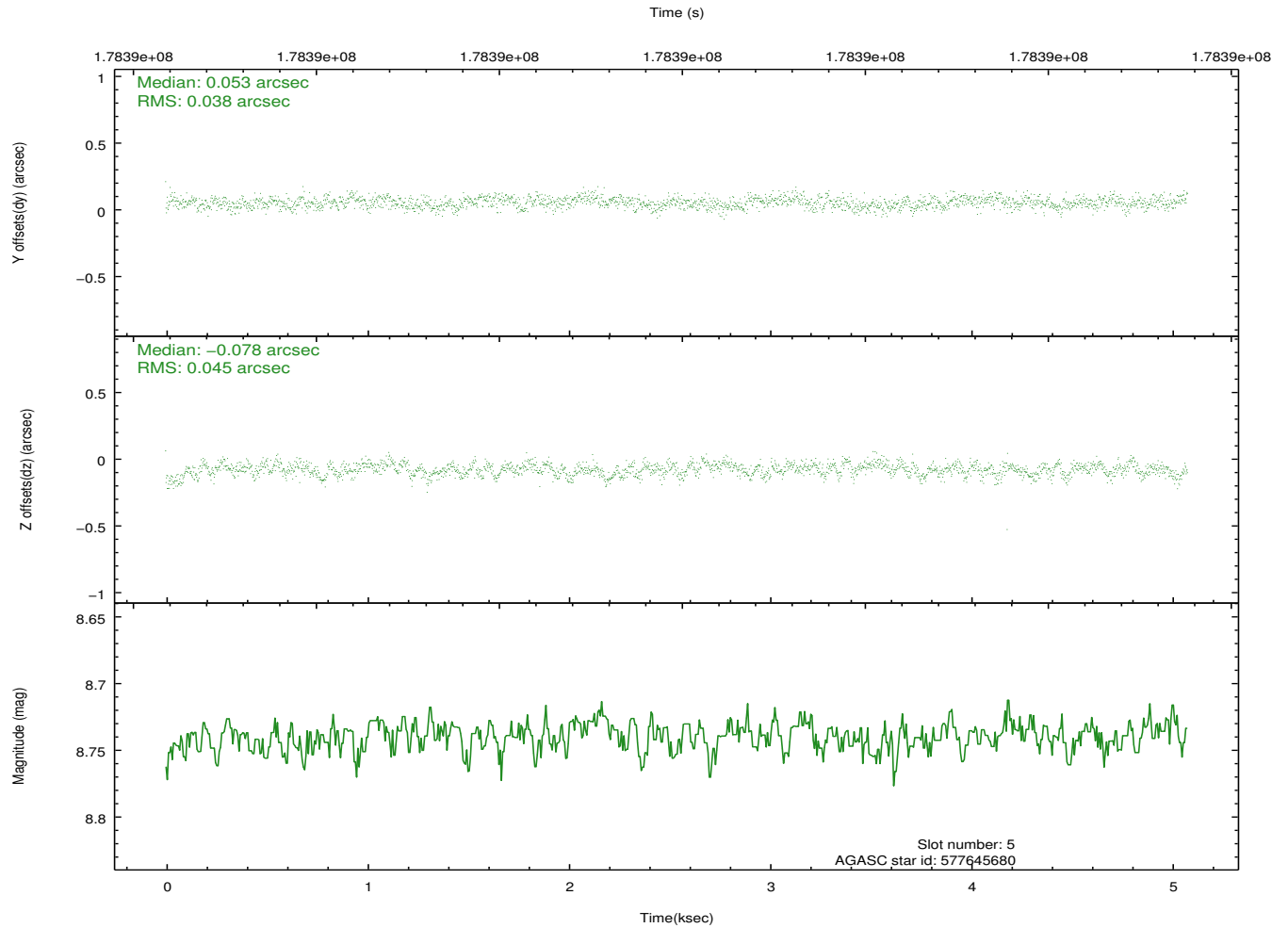
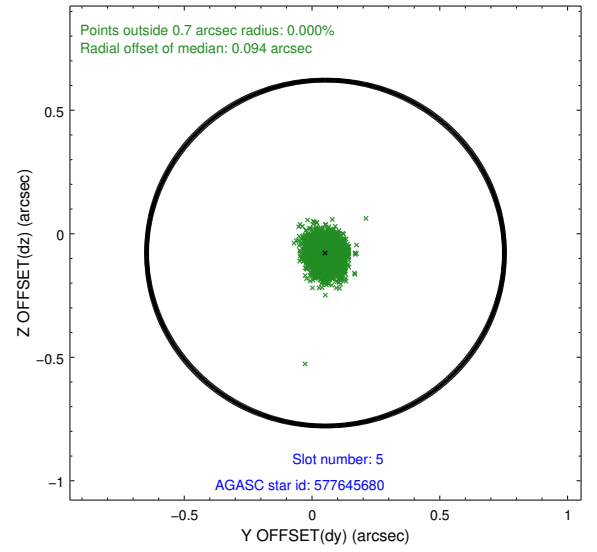
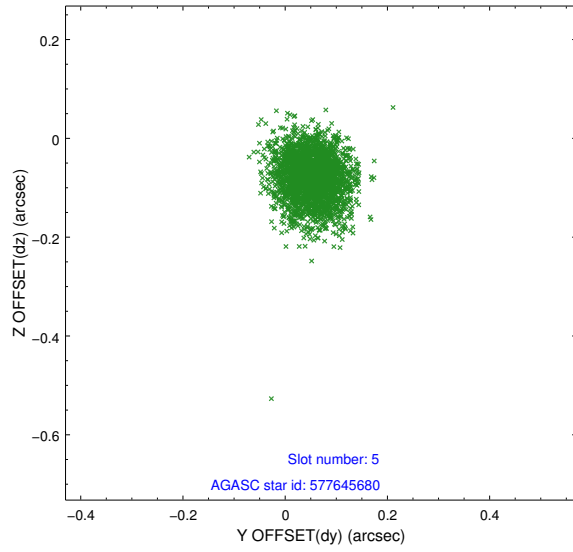
2.4.1 Slot 3



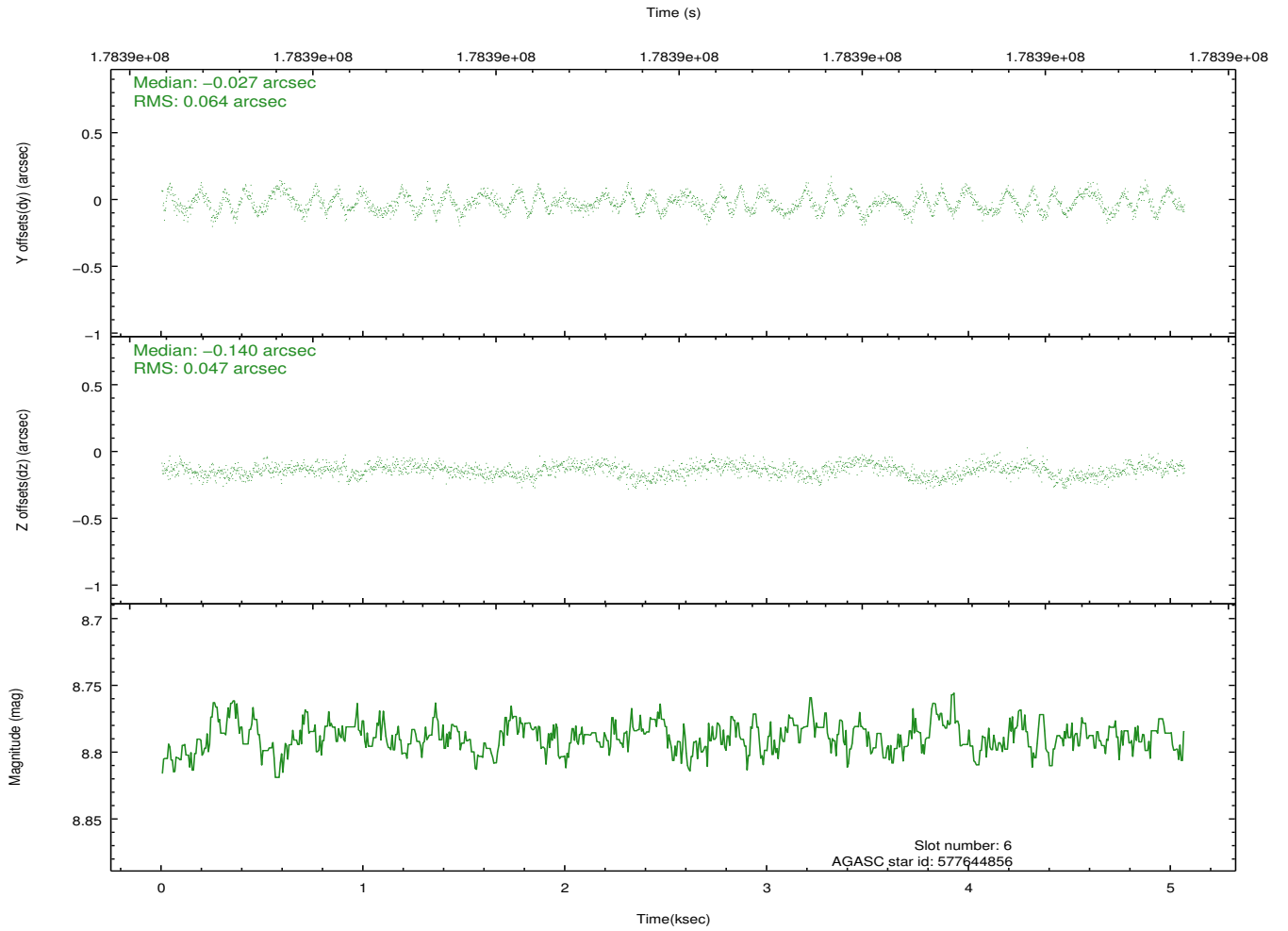
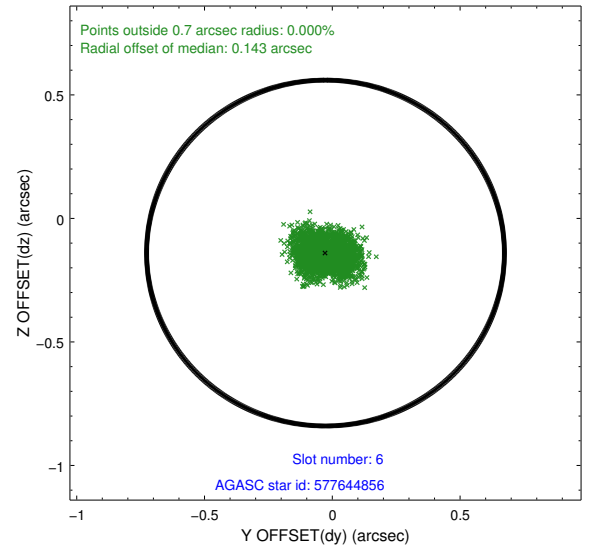
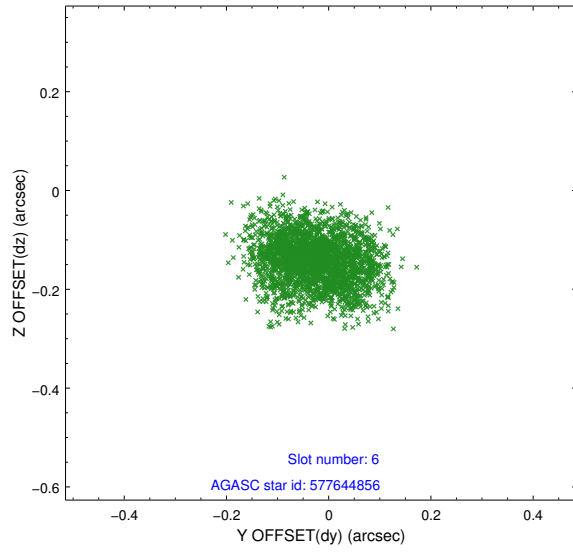
2.4.2 Slot 4



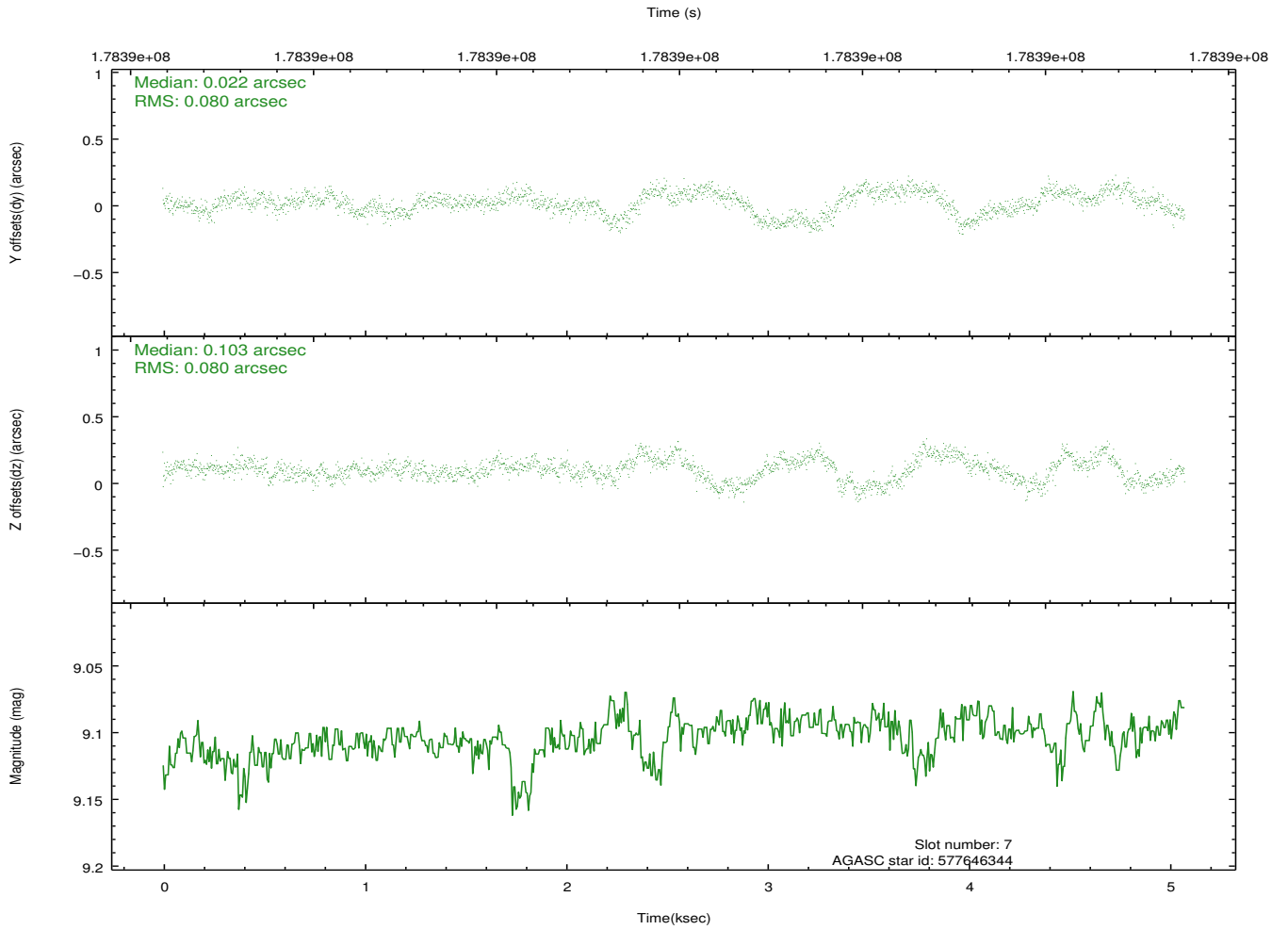
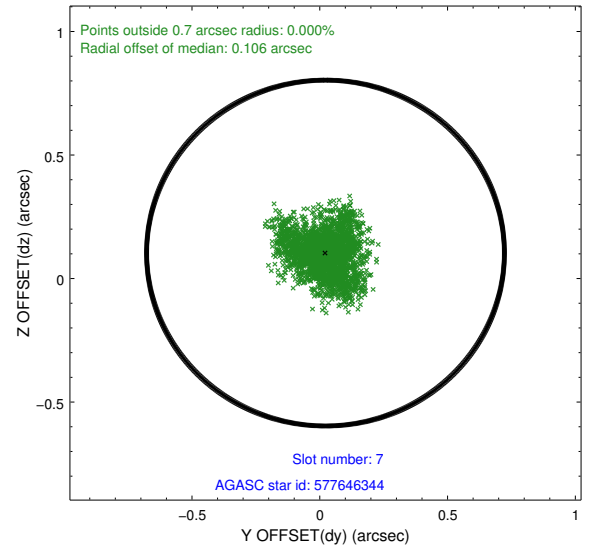
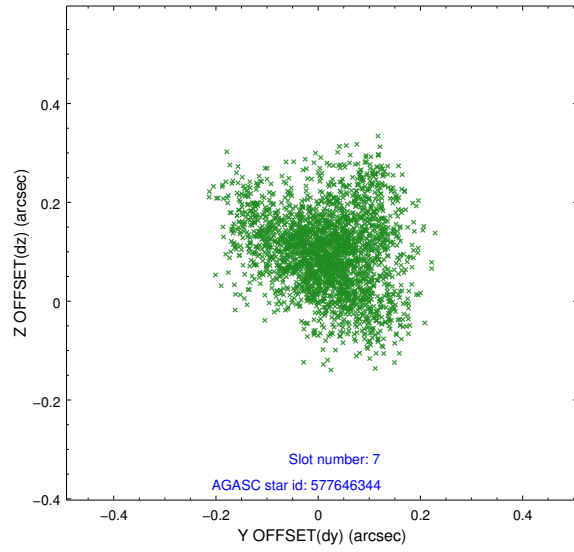
2.4.3 Slot 5



2.4.4 Slot 6

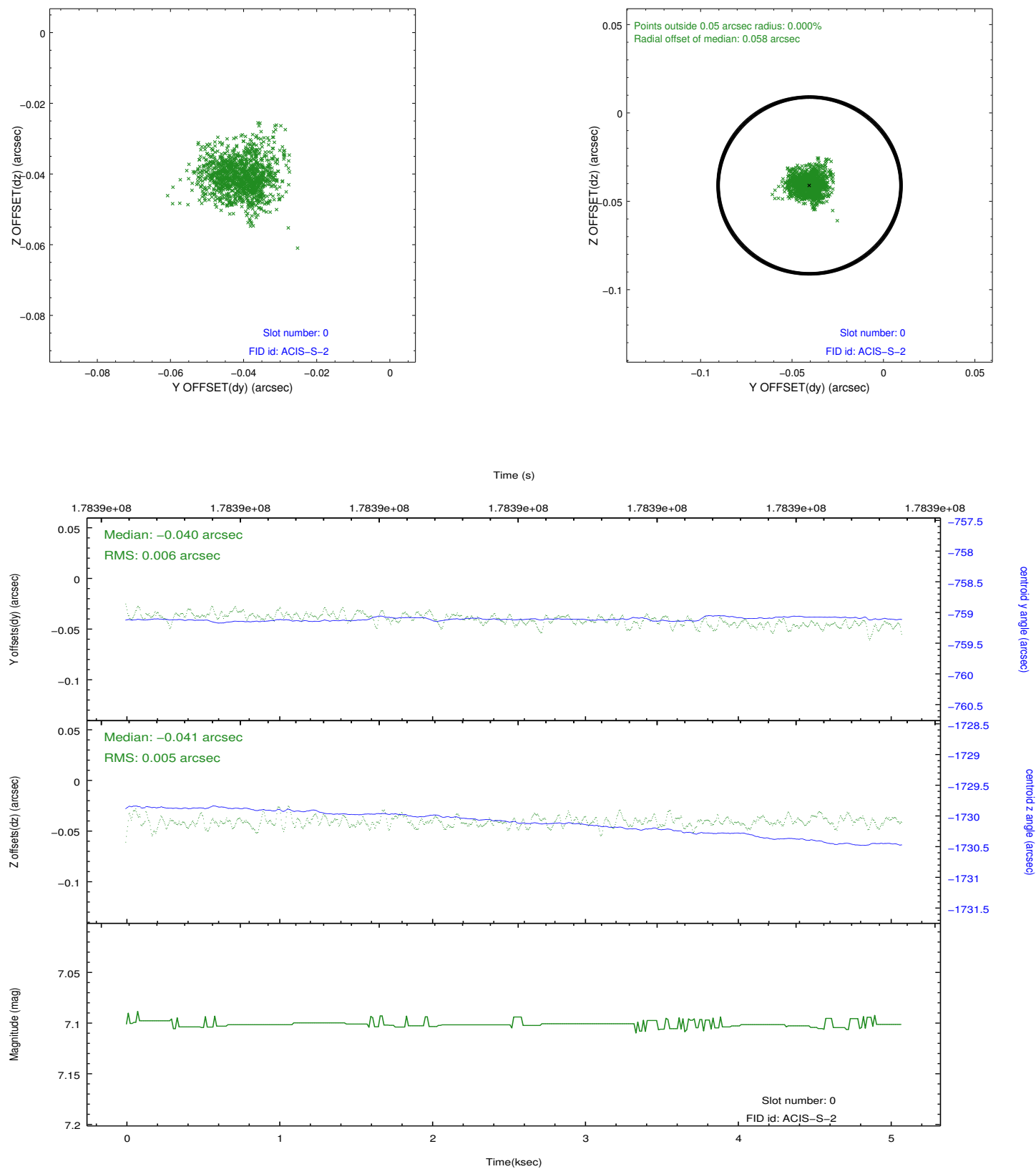


2.4.5 Slot 7

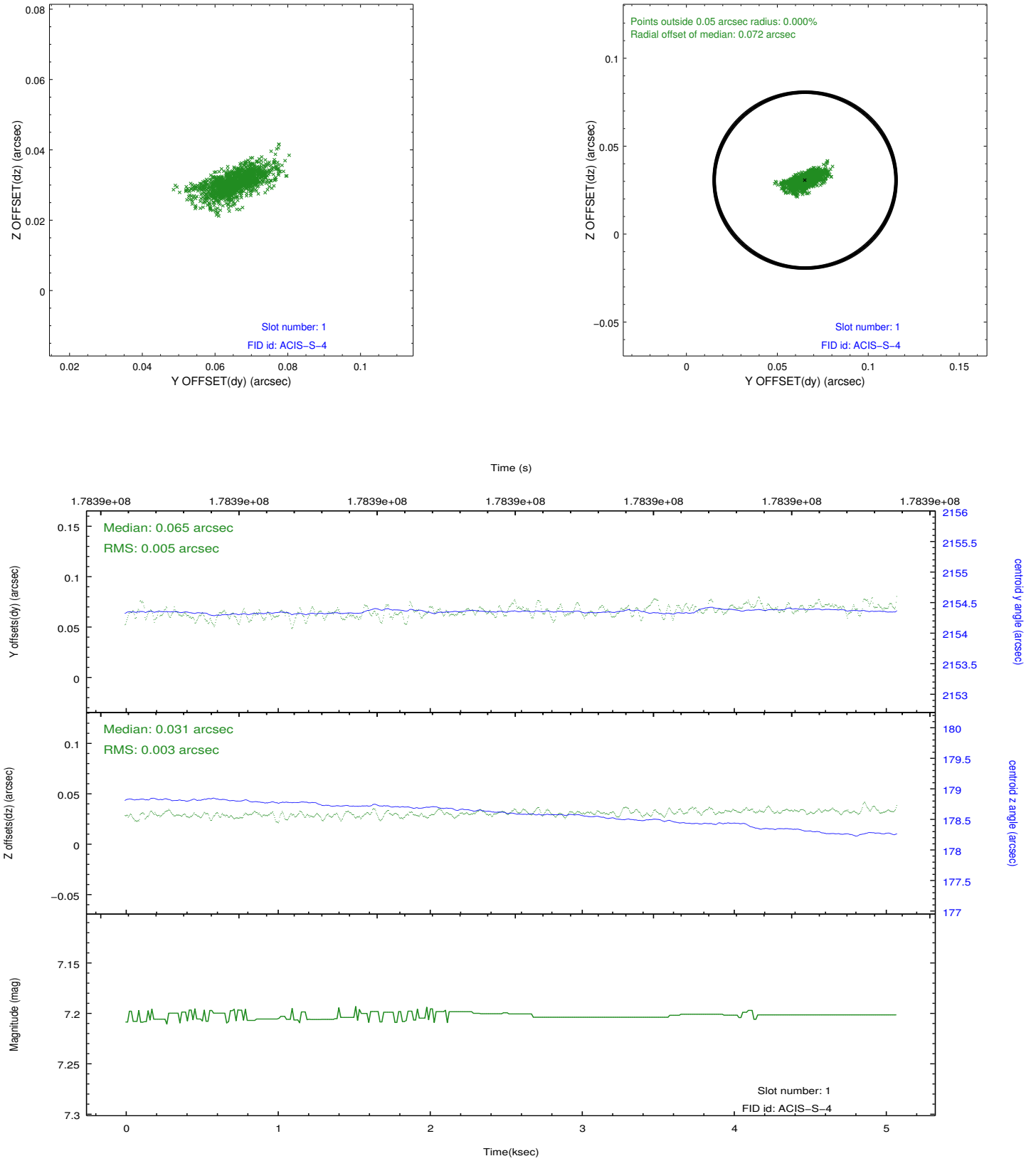


2.5 FID Slots

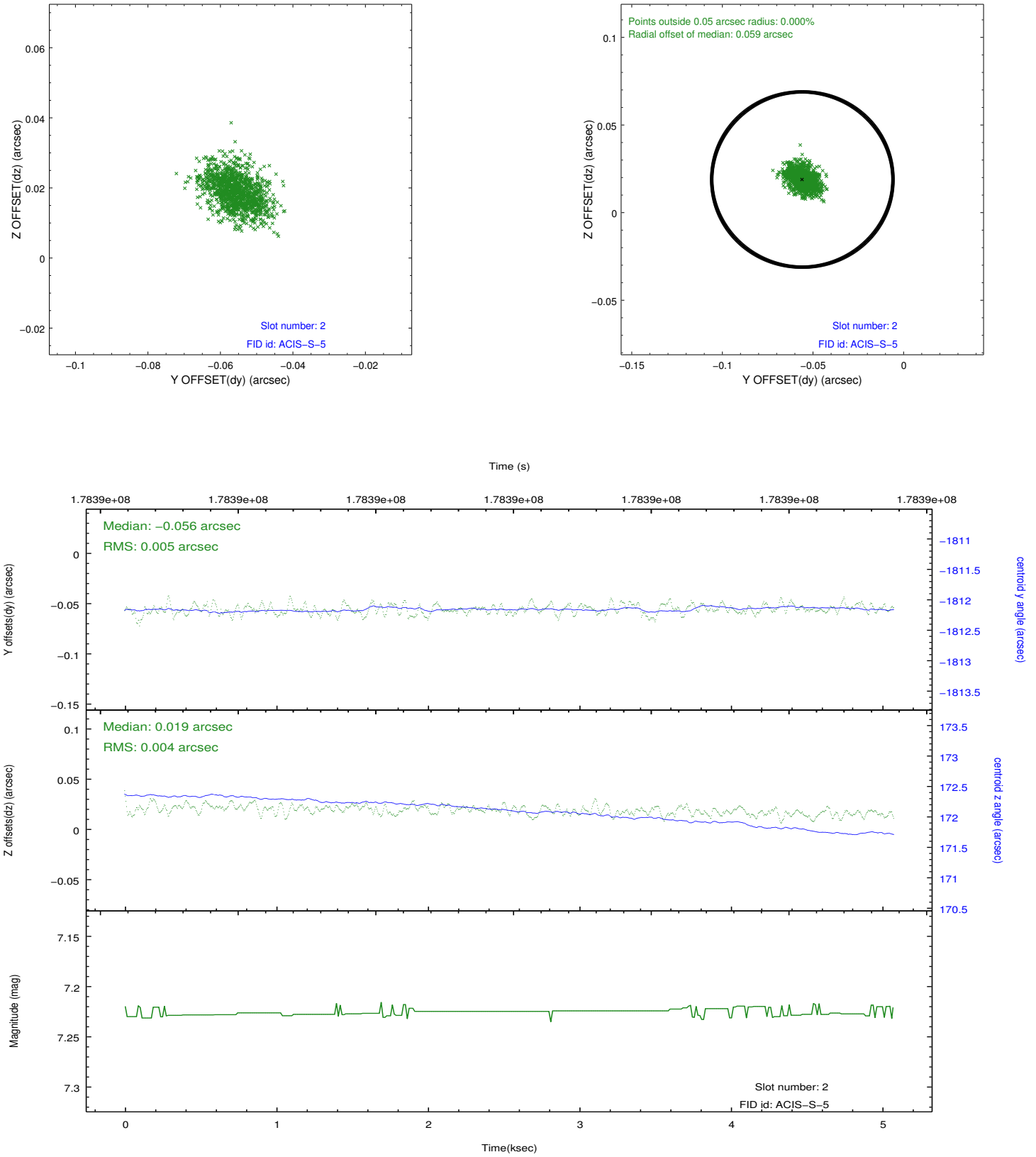
2.5.1 Slot 0



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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.998

A.2 Comments