

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13144 - L2 Version 2
Chandra X-Ray Center

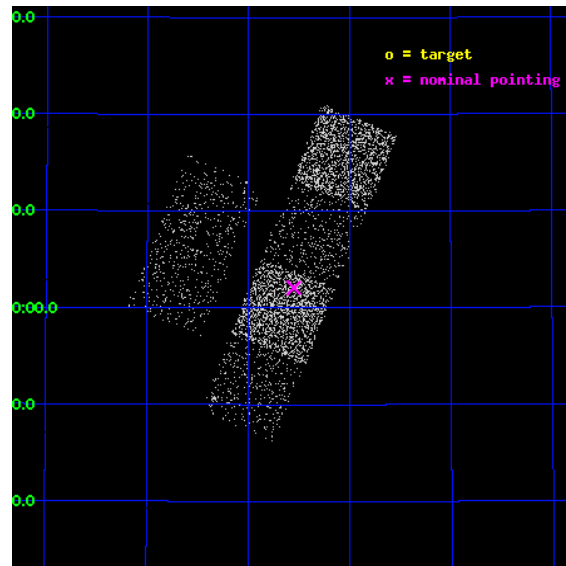
L2 Processing Date : Jul 5 2012

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1 Front

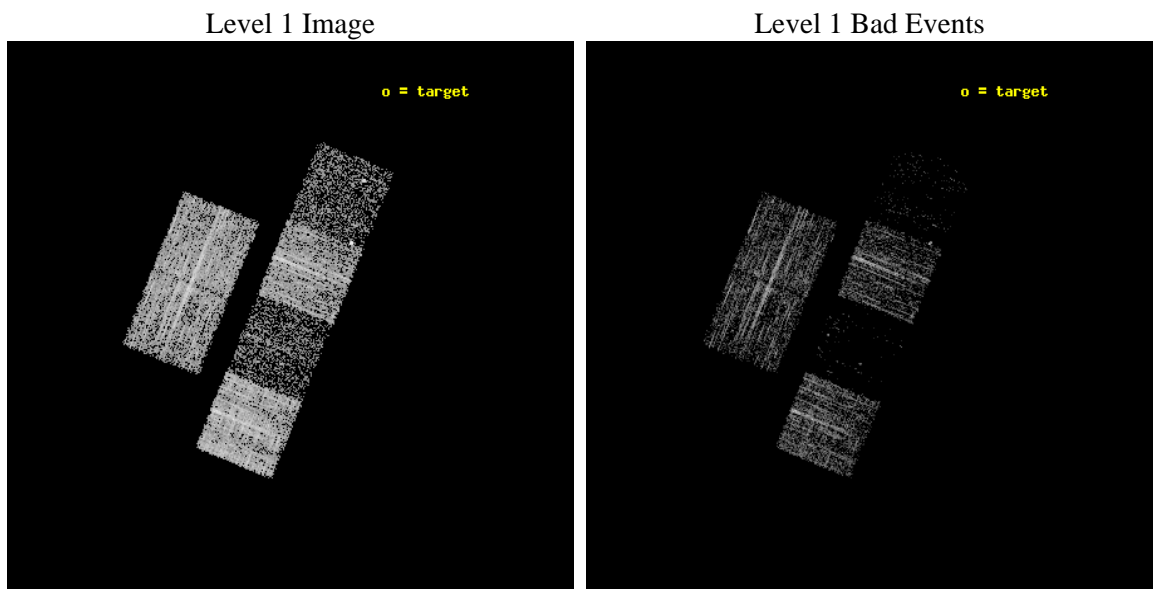
seq_num	100085	Sequence number
obs_id	13144	Observation id
title	Comet 103P/Hartley 2 During the EPOXI Spacecraft Encounter	Proposa
observer	Dr. Carey Lisse	Principal investigator
object	103P/Hartley 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.25	Observer's specified target RA [deg]
dec_targ	39.0	Observer's specified target Dec [deg]
ra_nom	74.637619886193	Nominal RA [deg]
dec_nom	45.034630274017	Nominal Dec [deg]
roll_nom	112.1401273336	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2758.3999897838	Sum of GTIs [s]
livetime	2723.4714682041	Livetime [s]
ontime2	2758.3999897838	Sum of GTIs [s]
ontime3	2758.3999897838	Sum of GTIs [s]
ontime5	2758.3999897838	Sum of GTIs [s]
ontime6	2758.3999897838	Sum of GTIs [s]
ontime7	2758.3999897838	Sum of GTIs [s]
ontime8	2751.9179393649	Sum of GTIs [s]
l2events	5051	Number of level 2 events



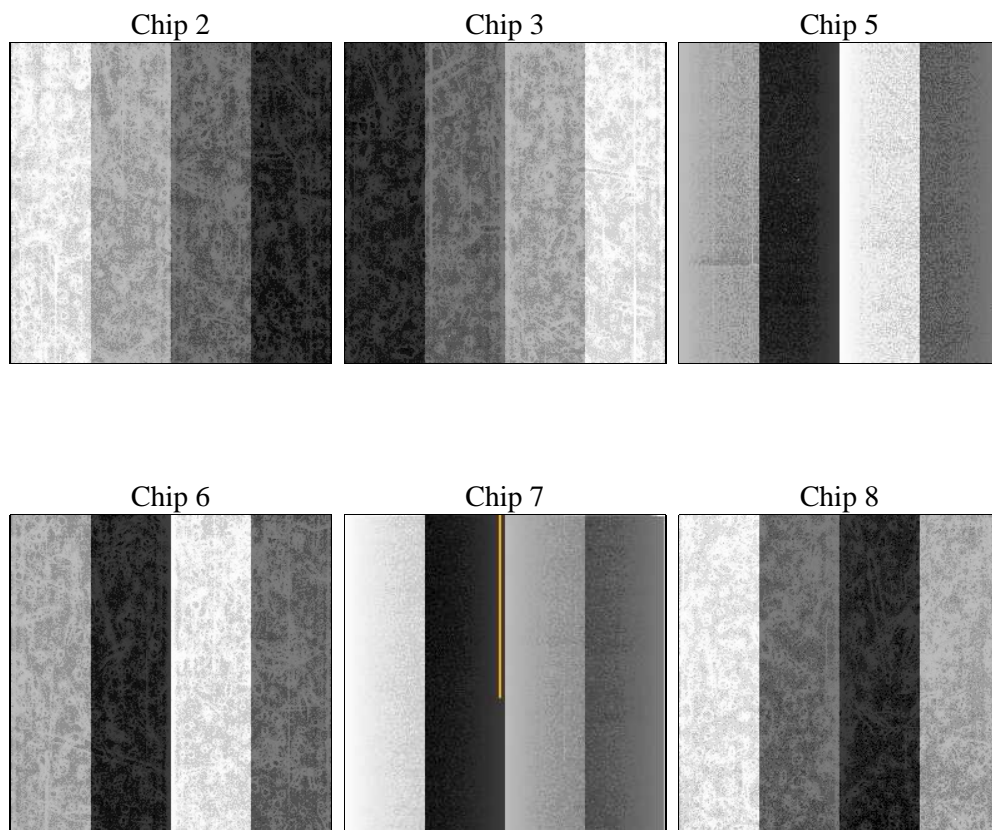
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2758.3999897838	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	2758.3999897838	Sum of GTIs [s]
date	2012-07-05T05:27:01	Date and time of file creation	ontime3	2758.3999897838	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2758.3999897838	Sum of GTIs [s]
			ontime6	2758.3999897838	Sum of GTIs [s]
			ontime7	2758.3999897838	Sum of GTIs [s]
			ontime8	2751.9179393649	Sum of GTIs [s]
			l1events	64413	Number of level 1 events

2.1.4 Events

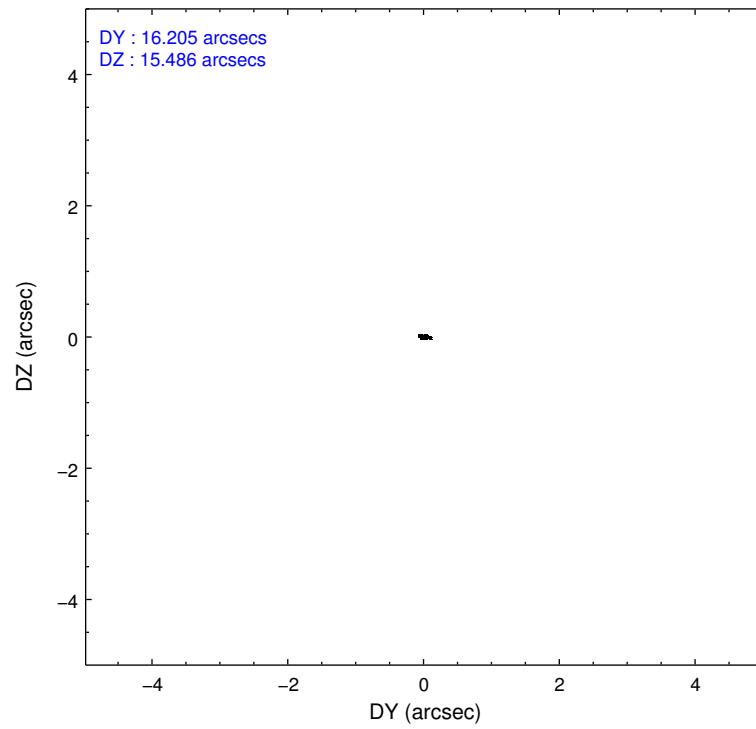
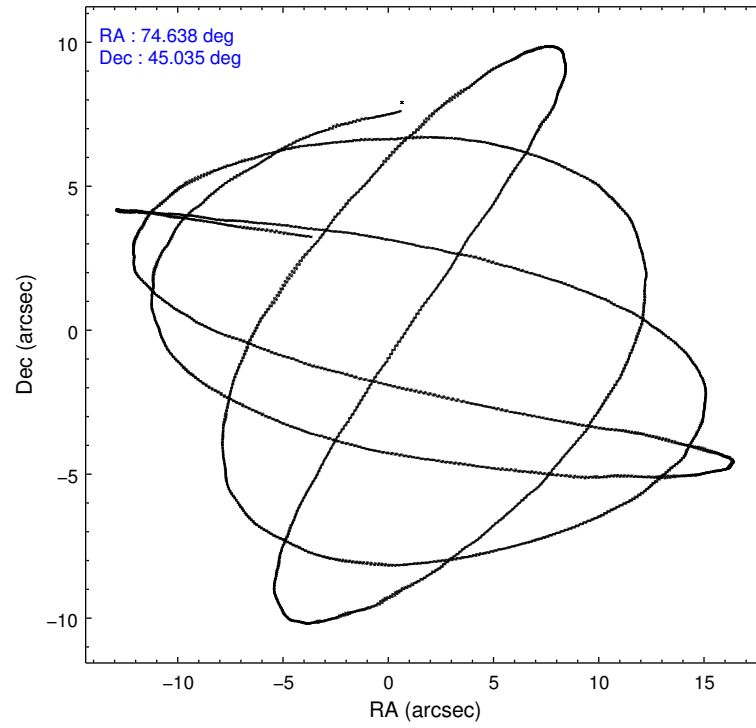
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14163	12599	3415	12576	2670	18990
rejected events	13494	12163	1137	11999	601	14652
rejected %	95%	96%	33%	95%	22%	77%

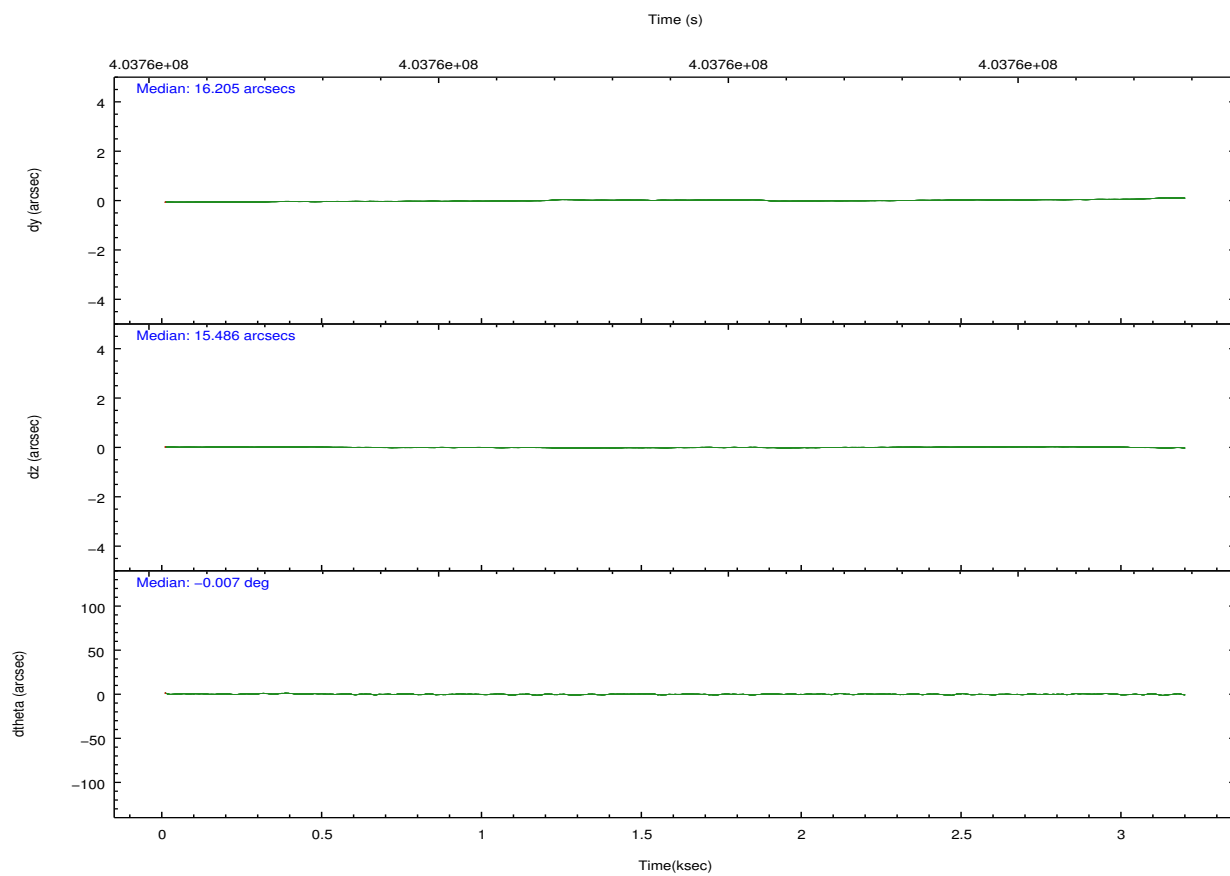
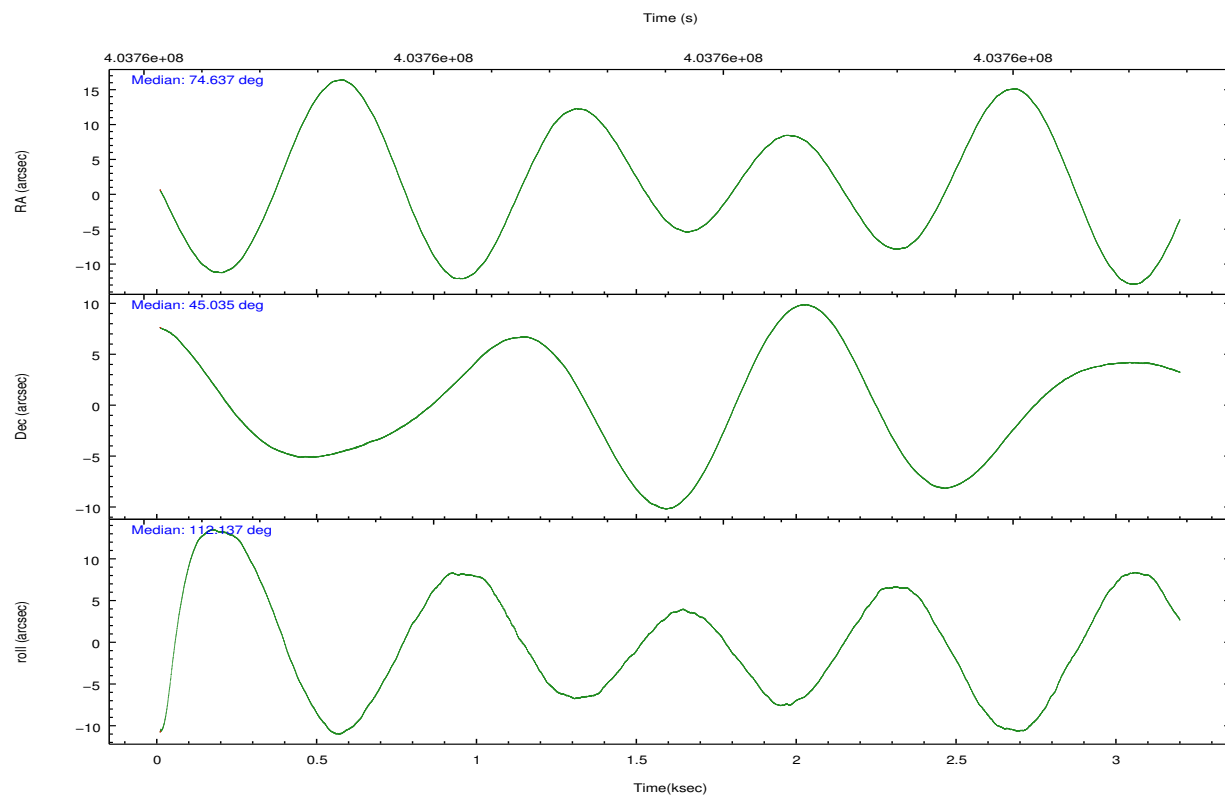
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	238	188	792	279	726	1212
	1%	1%	23%	2%	27%	6%
grade 1 events	2	4	94	4	25	15
	0%	0%	2%	0%	0%	0%
grade 2 events	215	83	799	130	655	1023
	1%	0%	23%	1%	24%	5%
grade 3 events	75	70	216	69	245	501
	0%	0%	6%	0%	9%	2%
grade 4 events	74	51	209	66	239	456
	0%	0%	6%	0%	8%	2%
grade 5 events	12	7	222	10	70	95
	0%	0%	6%	0%	2%	0%
grade 6 events	69	45	265	34	206	1178
	0%	0%	7%	0%	7%	6%
grade 7 events	13478	12151	818	11984	504	14510
	95%	96%	23%	95%	18%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	74.668792	74.63761988619261	Subarray requested	NONE	NONE
[deg] Pointing Dec	45.018100	45.03463027401745	Alternating exposures requested	N	N
[deg] Pointing Roll	111.961493	112.1401273335983	[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)	403761416.184000	403761040.48932			
Observation start date	2010-10-18T03:55:50	2010-10-18T03:50:40			
[s] Observation end time (MET)	403764416.184000	403765270.15204			
Observation end date	2010-10-18T04:45:50	2010-10-18T05:01:10			
Read mode	TIMED	TIMED			

2.3 Aspect



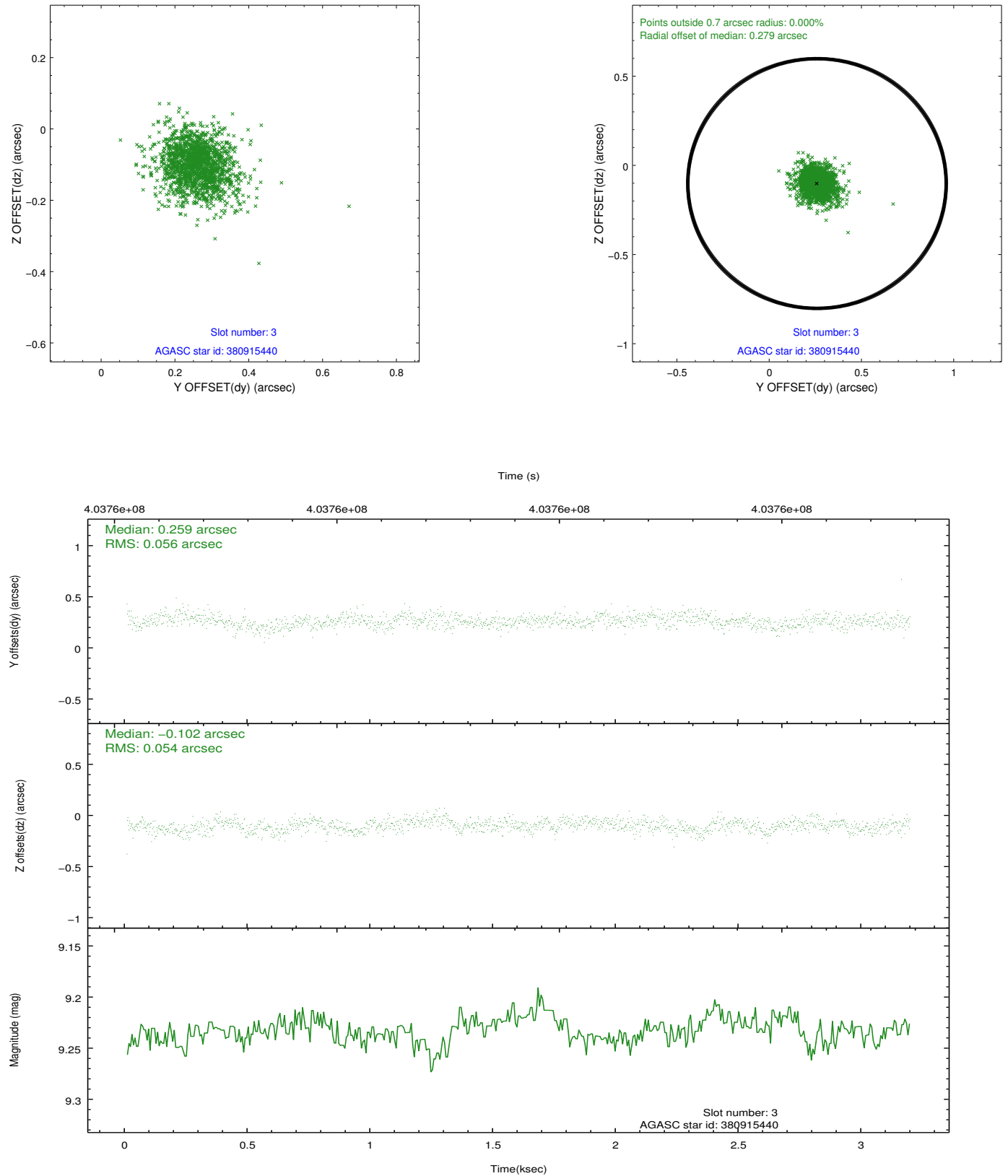


Slot Statistics

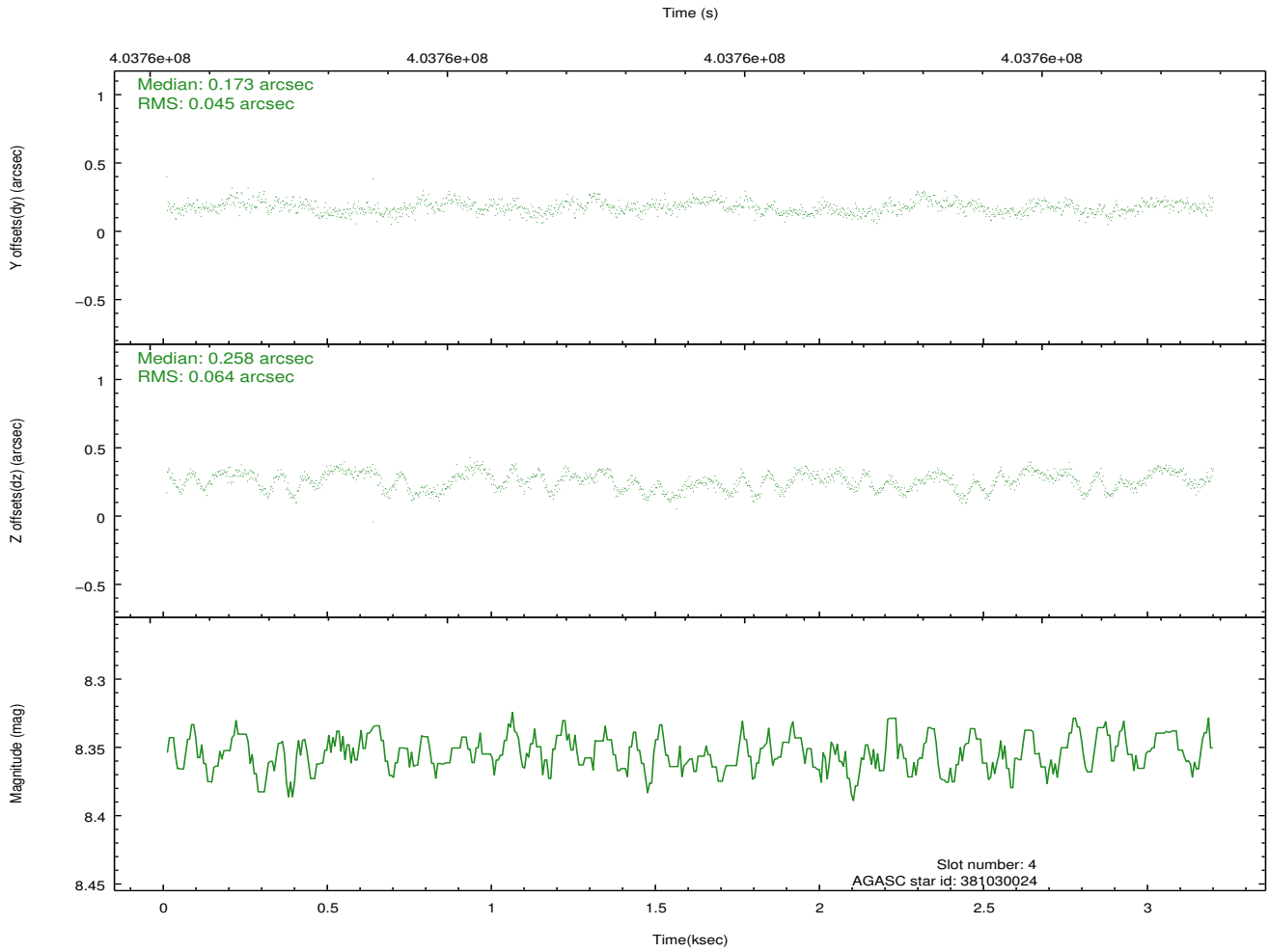
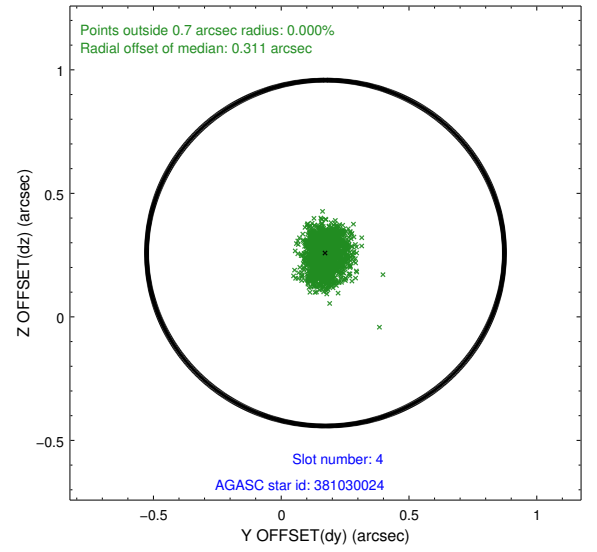
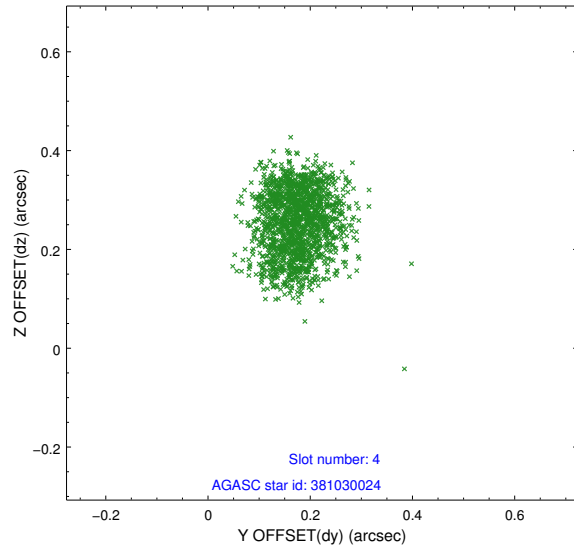
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	779	0.066	-0.080	0.006	0.011	0.000000	0.000000	926.94	-1732.56
1	FID	ACIS-S-5	7.06	779	-0.104	0.039	0.006	0.011	0.000000	0.000000	-1821.17	162.98
2	FID	ACIS-S-6	7.17	779	0.017	0.052	0.007	0.011	0.000000	0.000000	390.22	809.26
3	GUIDE	380915440	9.23	1557	0.259	-0.102	0.080	0.142	74.621352	44.432023	-1911.55	901.42
4	GUIDE	381030024	8.35	1557	0.173	0.258	0.084	0.130	75.061936	44.874027	-855.50	-736.89
5	GUIDE	438306472	8.26	1557	-0.053	0.227	0.071	0.110	75.140877	45.253790	341.75	-1428.55
6	GUIDE	438314928	8.64	1557	-0.124	-0.131	0.066	0.101	73.874149	45.276809	1624.07	1512.82
7	GUIDE	438315504	8.58	1553	-0.262	-0.253	0.072	0.117	73.821517	45.156819	1278.14	1804.16

2.4 Star Slots

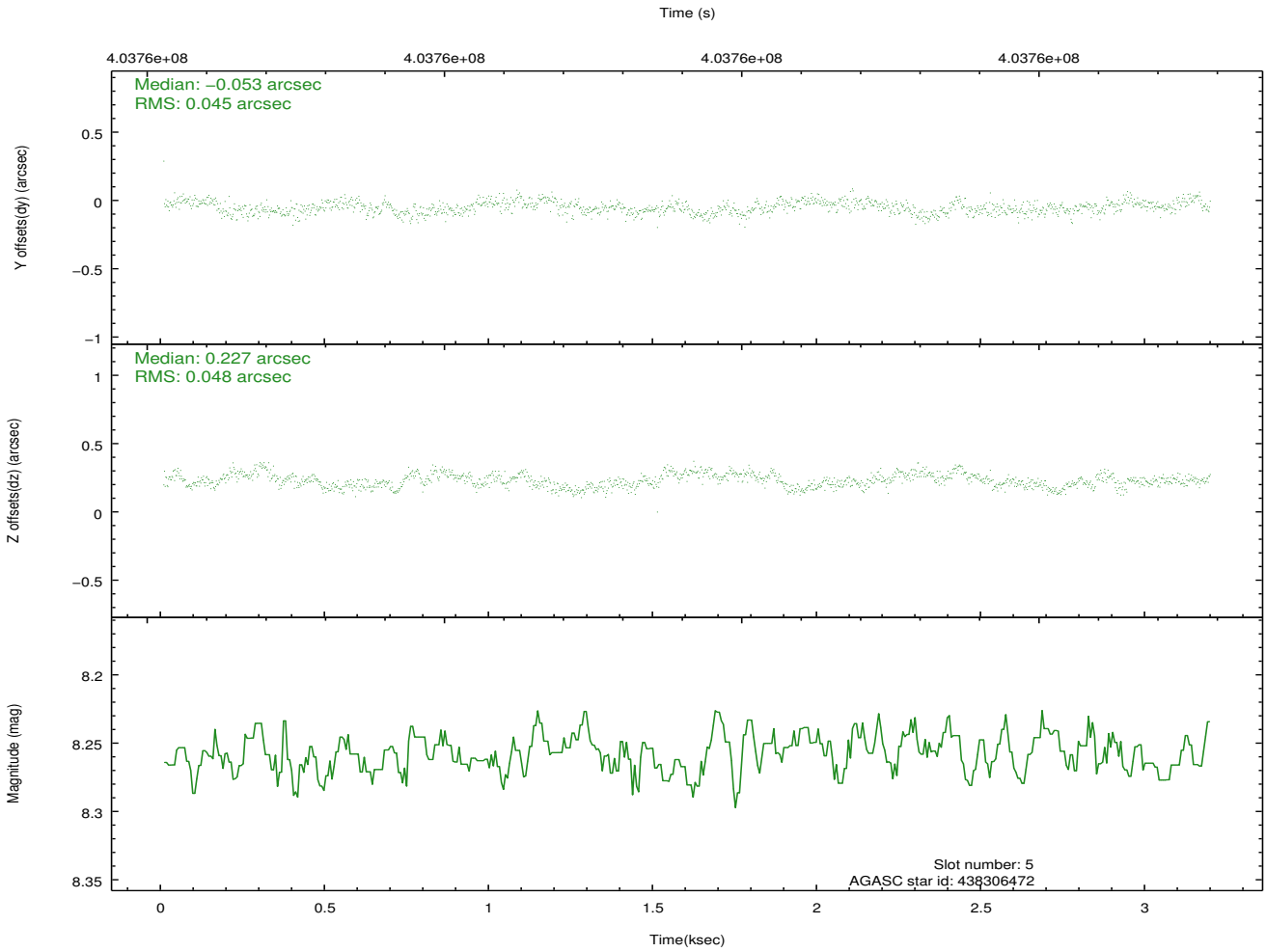
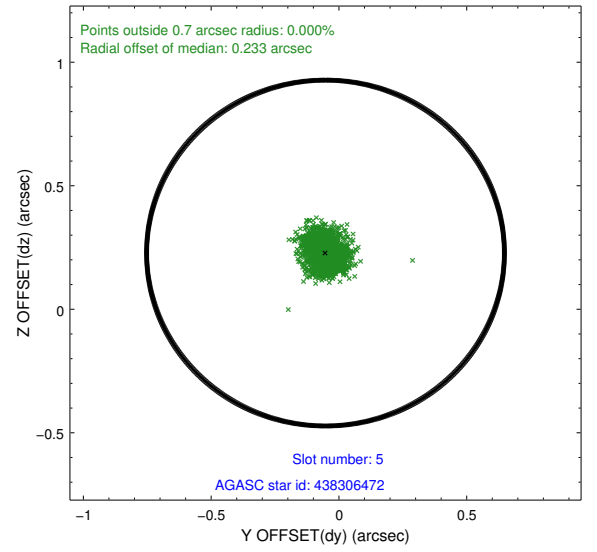
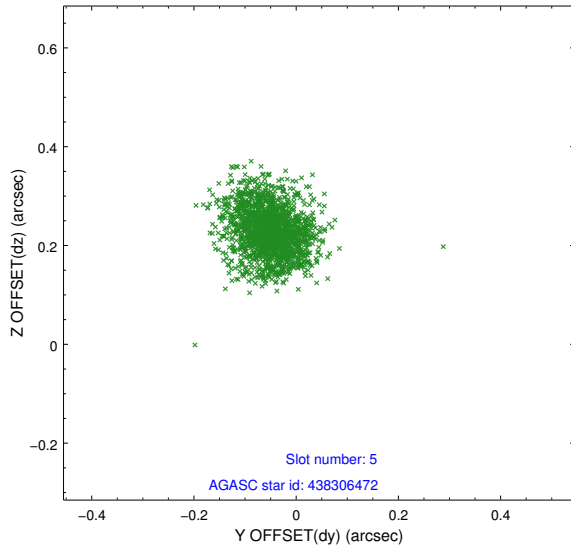
2.4.1 Slot 3



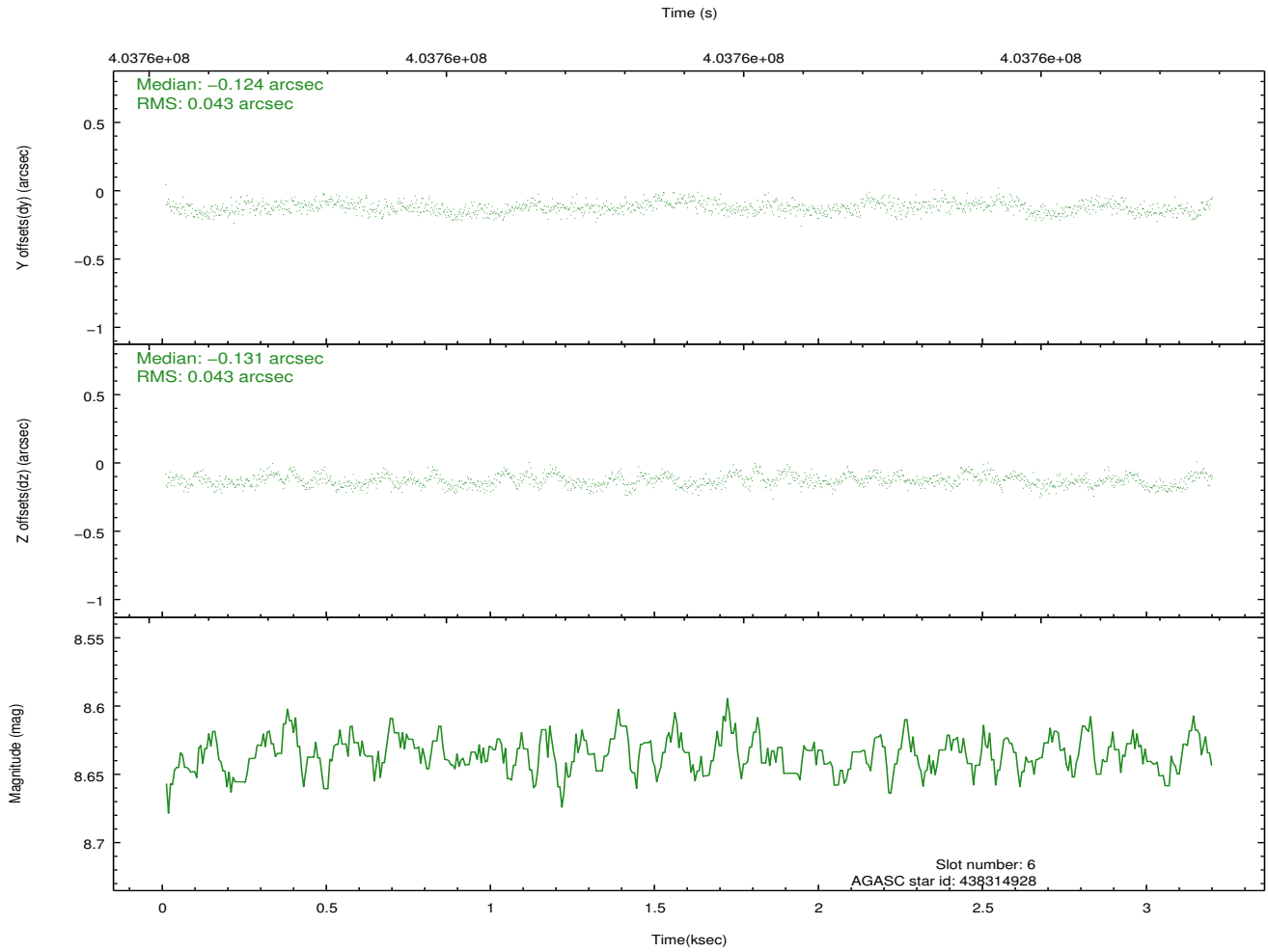
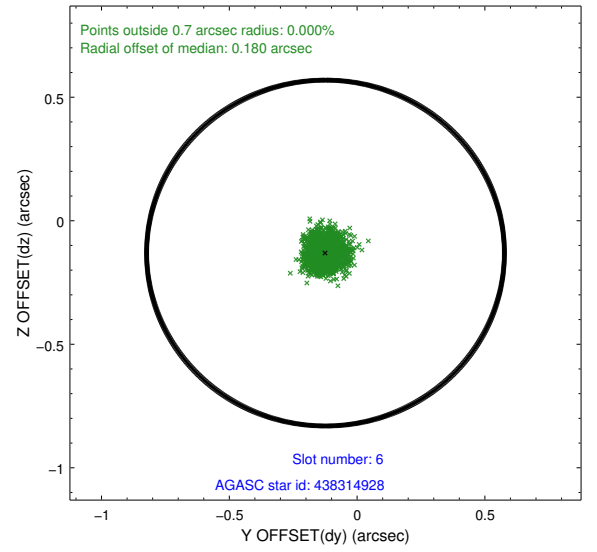
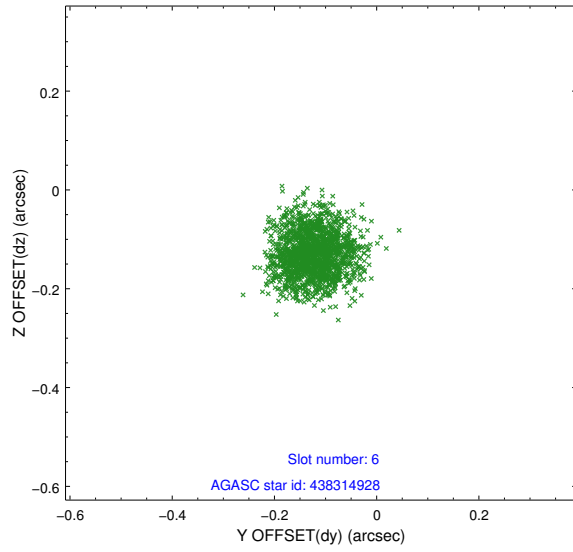
2.4.2 Slot 4



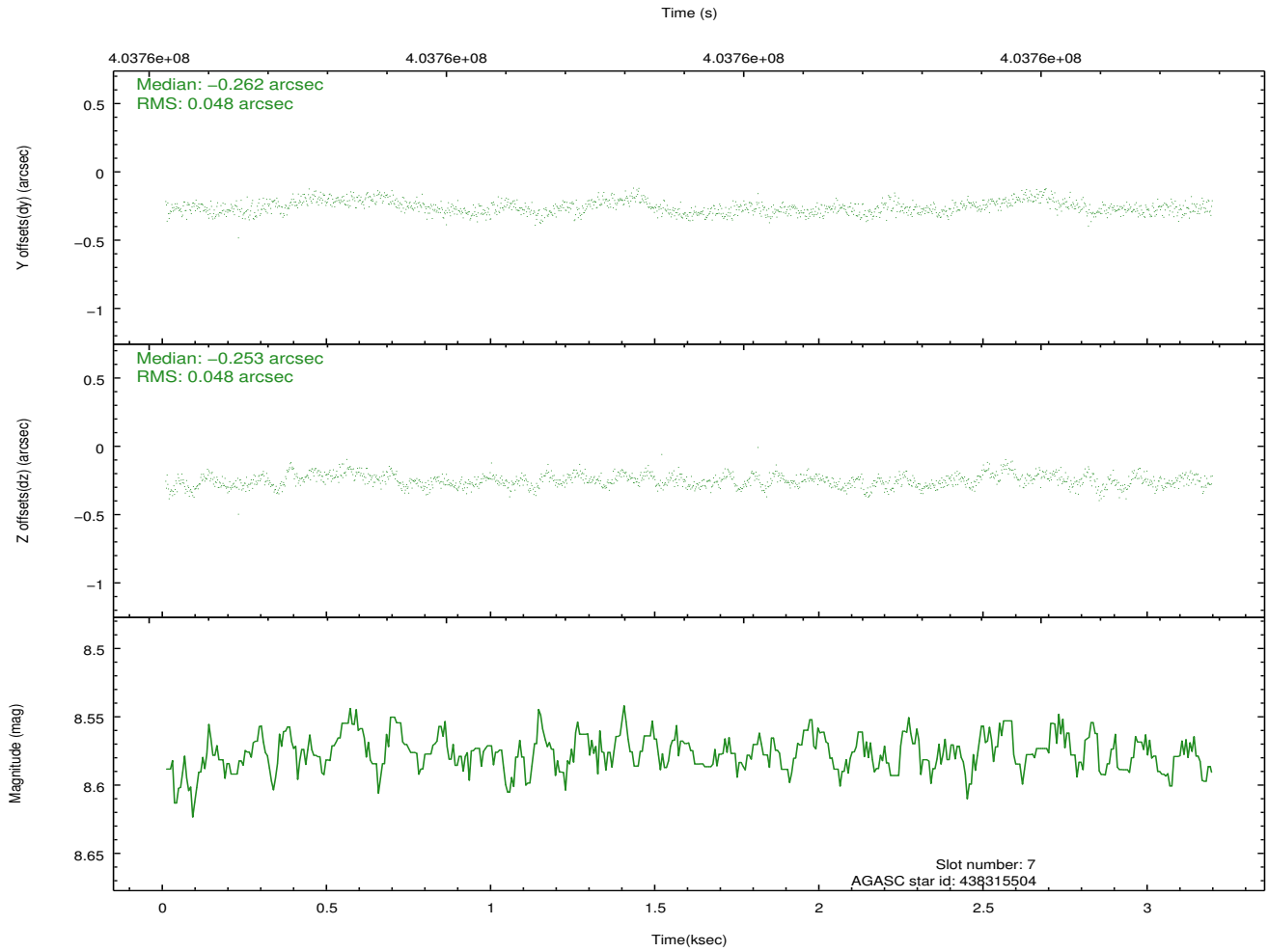
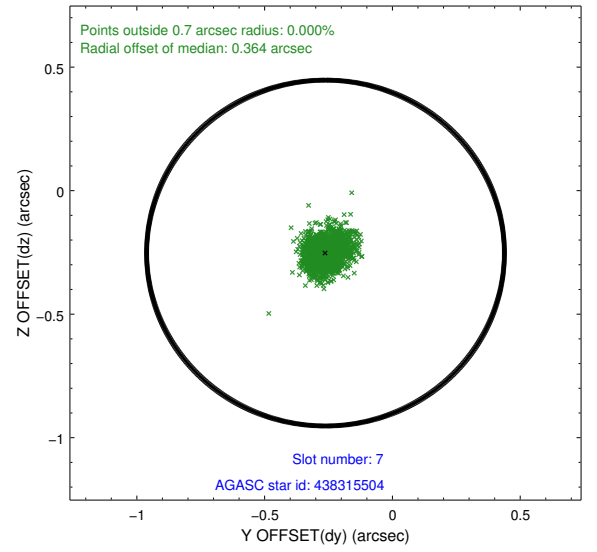
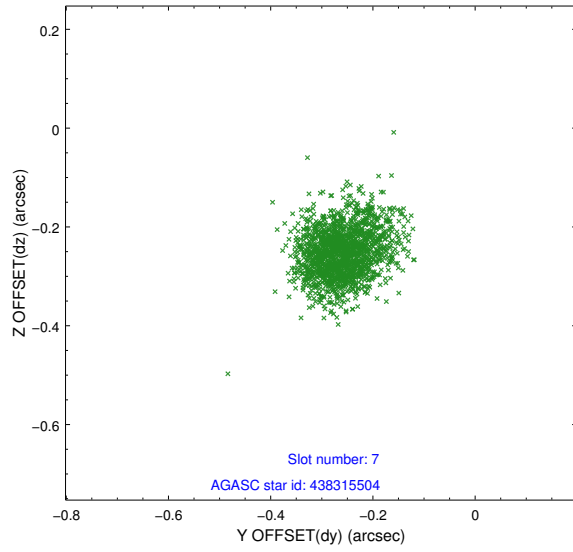
2.4.3 Slot 5



2.4.4 Slot 6

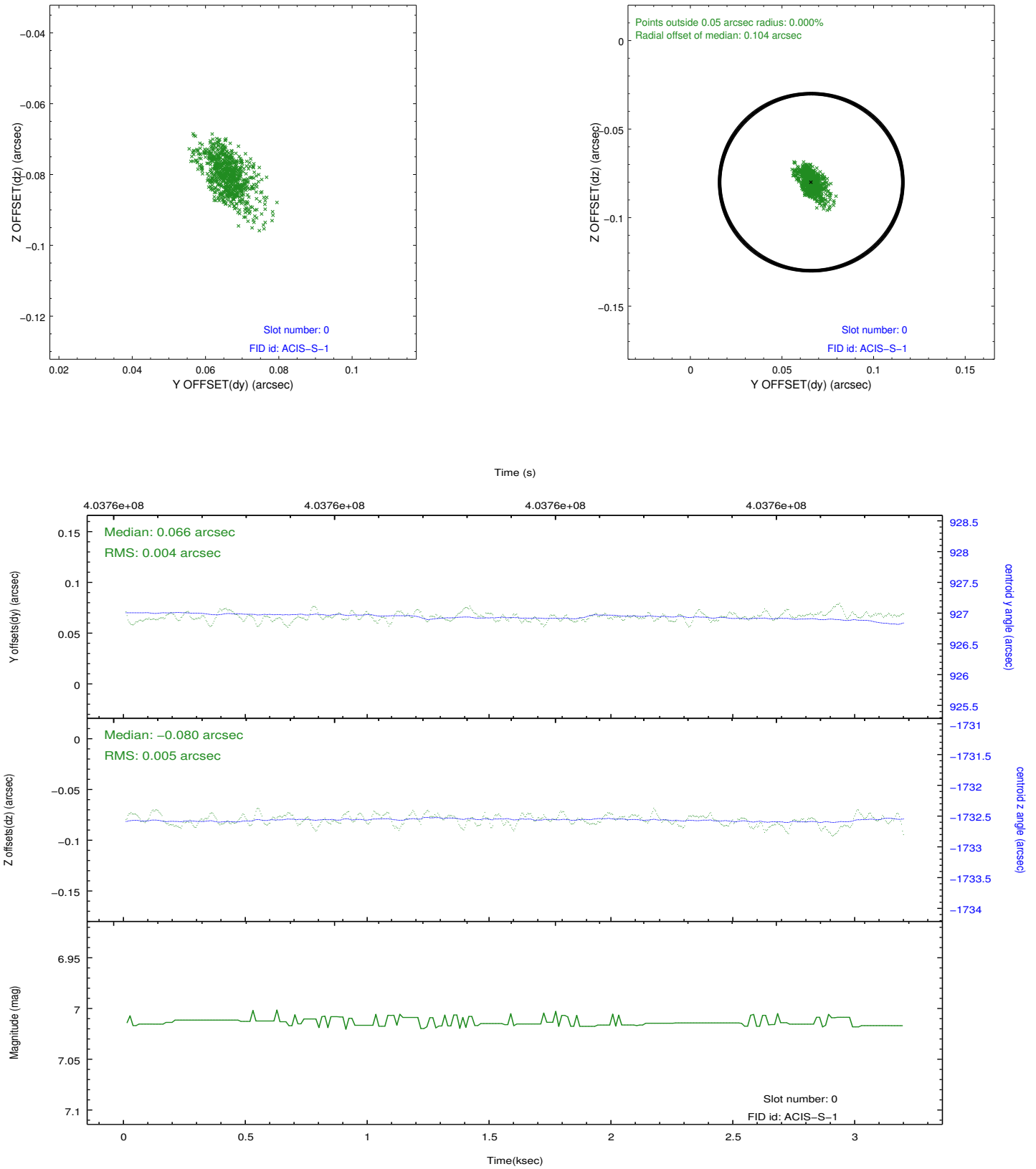


2.4.5 Slot 7

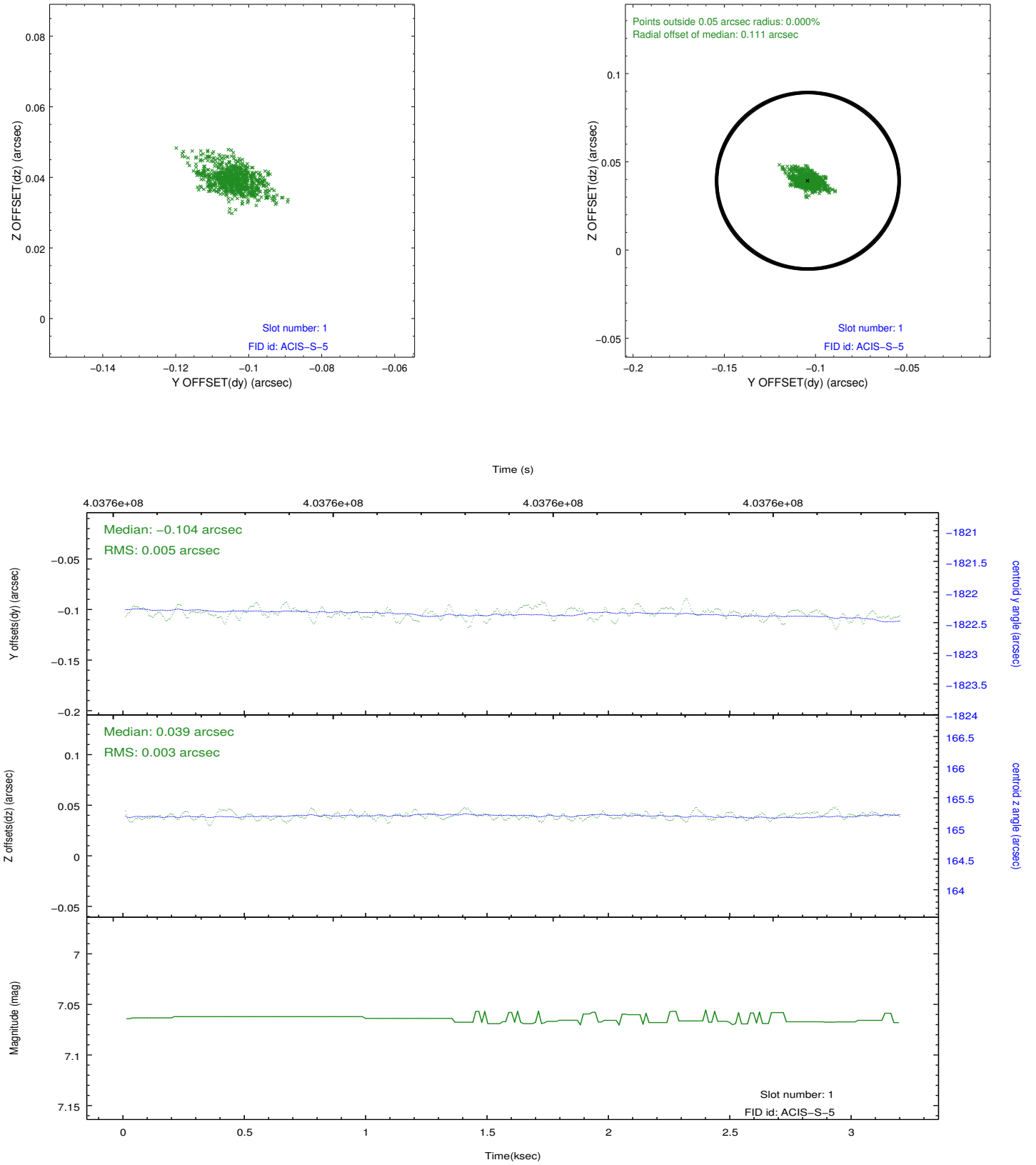


2.5 FID Slots

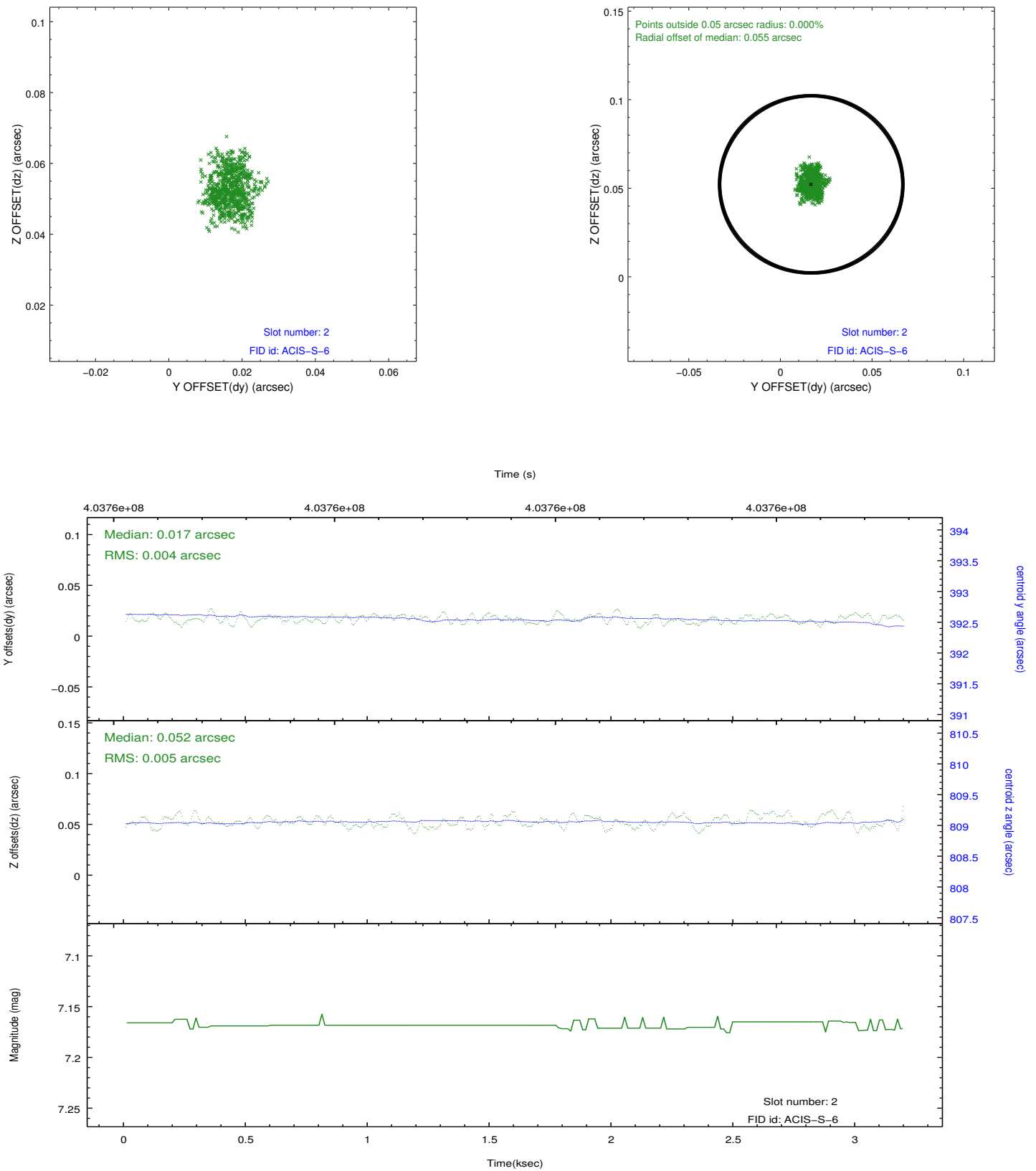
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7583999897838

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the comet.