

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7334 - L2 Version 2
Chandra X-Ray Center

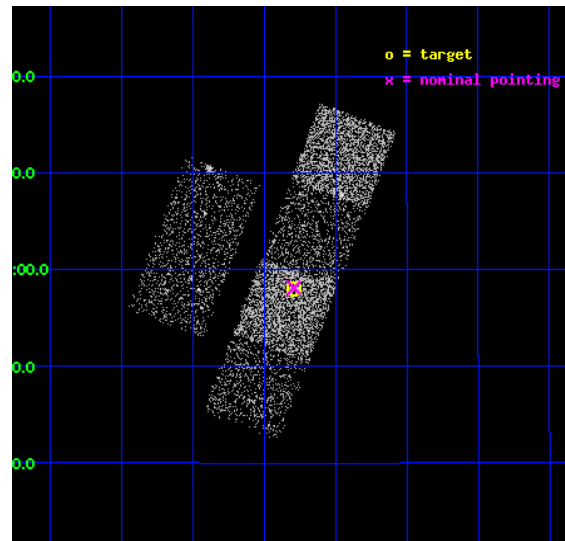
L2 Processing Date : Apr 2 2012

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1 Front

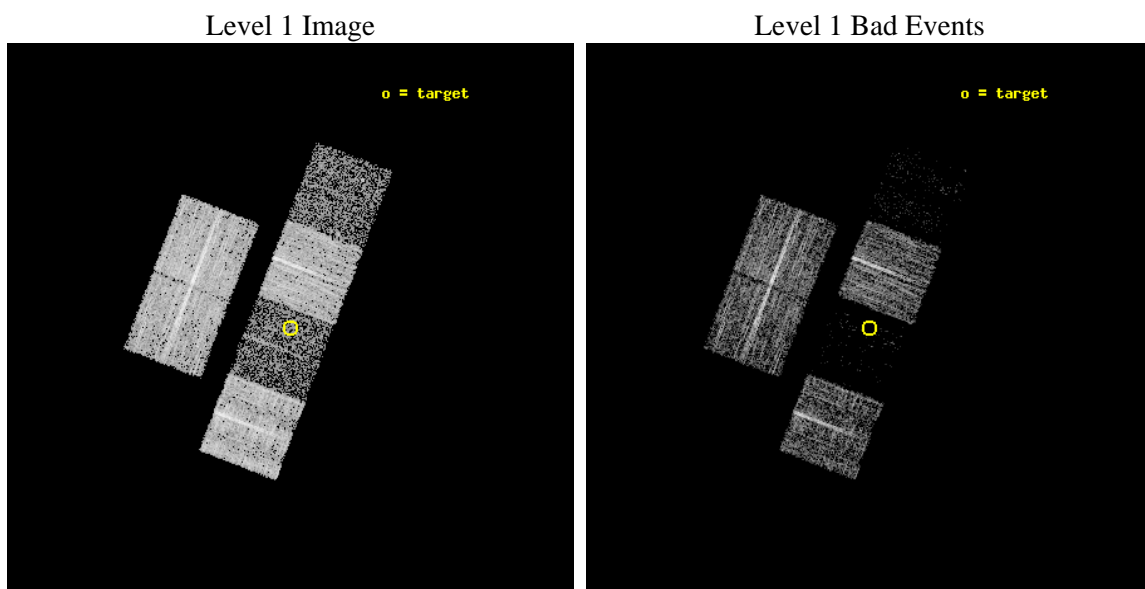
seq_num	100067	Sequence number
obs_id	7334	Observation id
title	An Extremely Close Encounter with the Disintegrating Comet 73P/SW3	
observer	Dr. Scott Wolk	Principal investigator
object	73P/Schwassmann-Wachmann 3-B	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.946521	Observer's specified target RA [deg]
dec_targ	4.966693	Observer's specified target Dec [deg]
ra_nom	359.94766035241	Nominal RA [deg]
dec_nom	4.9683722081095	Nominal Dec [deg]
roll_nom	111.04237943748	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4182.3999844193	Sum of GTIs [s]
livetime	4129.4399174777	Livetime [s]
ontime2	4182.3999844193	Sum of GTIs [s]
ontime3	4182.3999844193	Sum of GTIs [s]
ontime5	4182.3999844193	Sum of GTIs [s]
ontime6	4182.3999844193	Sum of GTIs [s]
ontime7	4182.3999844193	Sum of GTIs [s]
ontime8	4182.3999844193	Sum of GTIs [s]
l2events	9911	Number of level 2 events



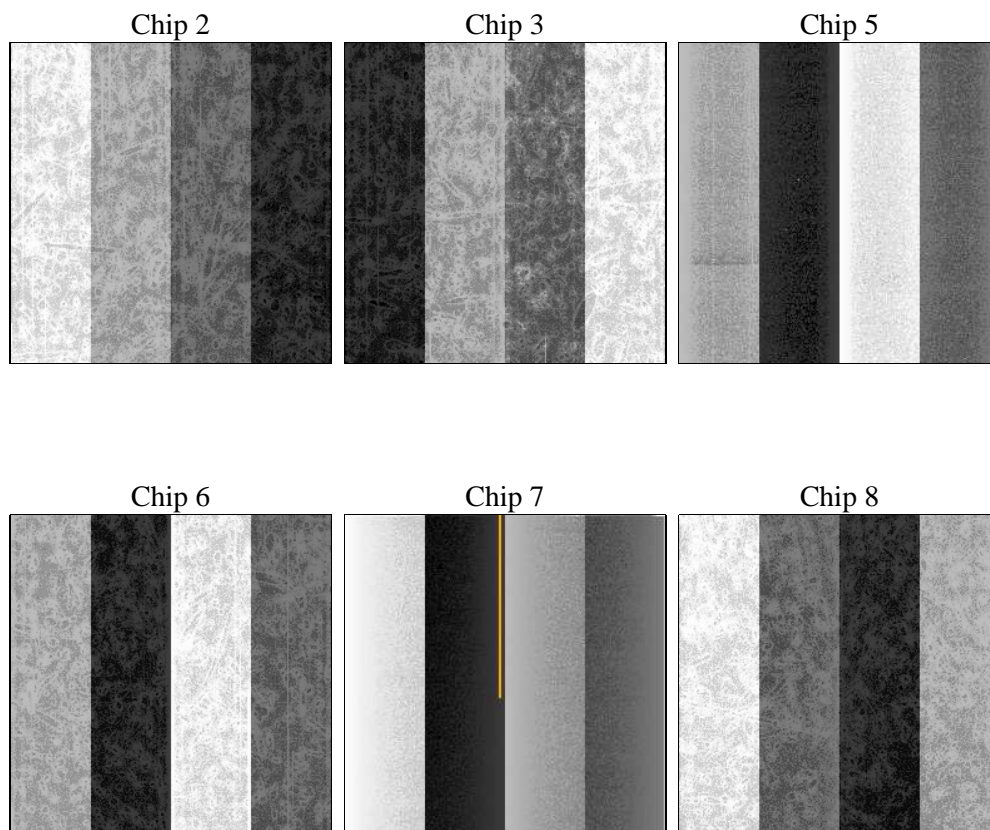
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4182.3999844193	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4182.3999844193	Sum of GTIs [s]
date	2012-04-02T03:14:47	Date and time of file creation	ontime3	4182.3999844193	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4182.3999844193	Sum of GTIs [s]
			ontime6	4182.3999844193	Sum of GTIs [s]
			ontime7	4182.3999844193	Sum of GTIs [s]
			ontime8	4182.3999844193	Sum of GTIs [s]
			l1events	113841	Number of level 1 events

2.1.4 Events

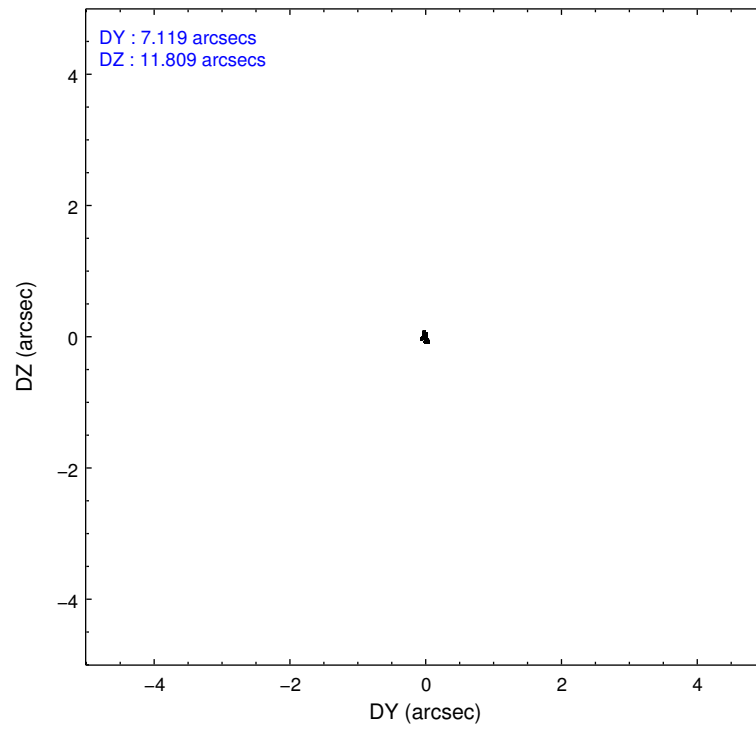
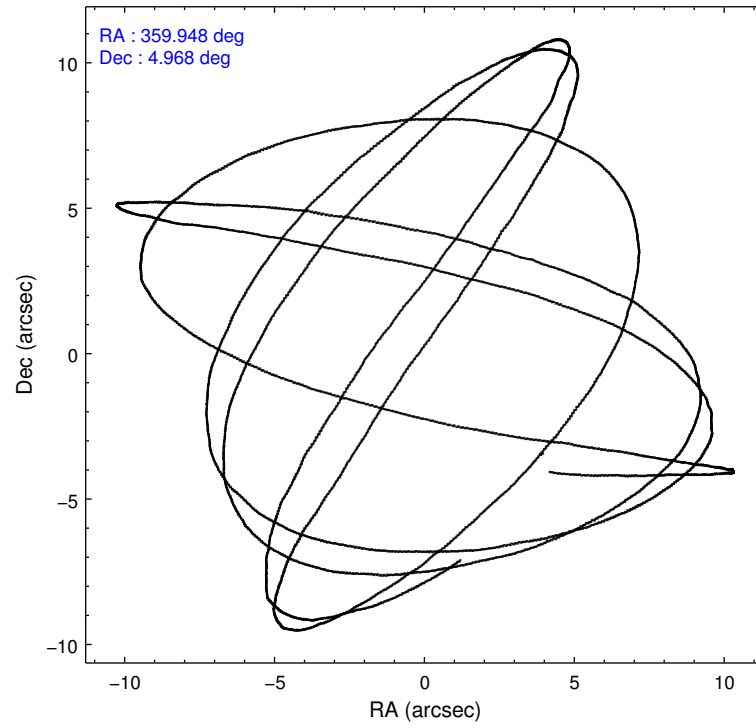
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27985	23505	4864	25516	4443	27528
rejected events	26658	22393	1539	24168	935	20910
rejected %	95%	95%	31%	94%	21%	75%

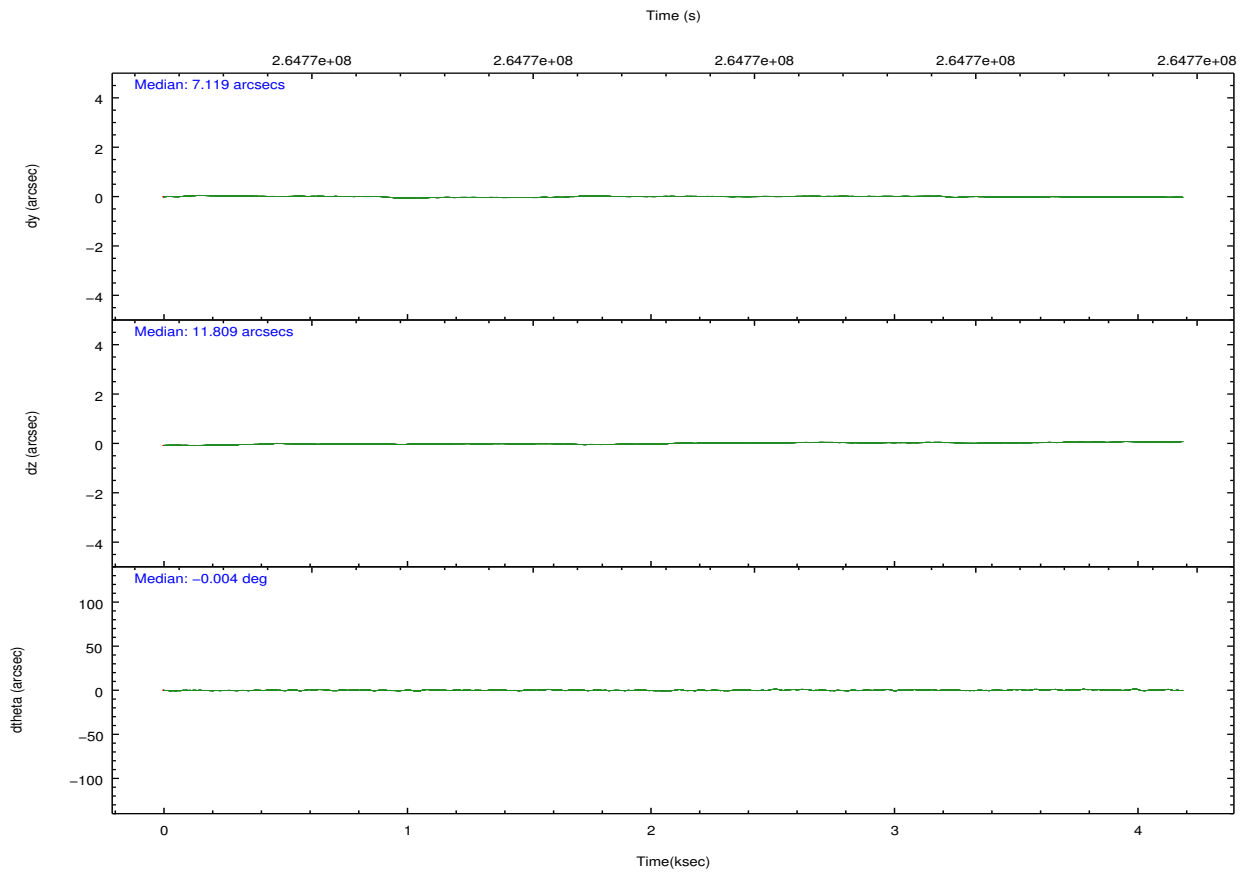
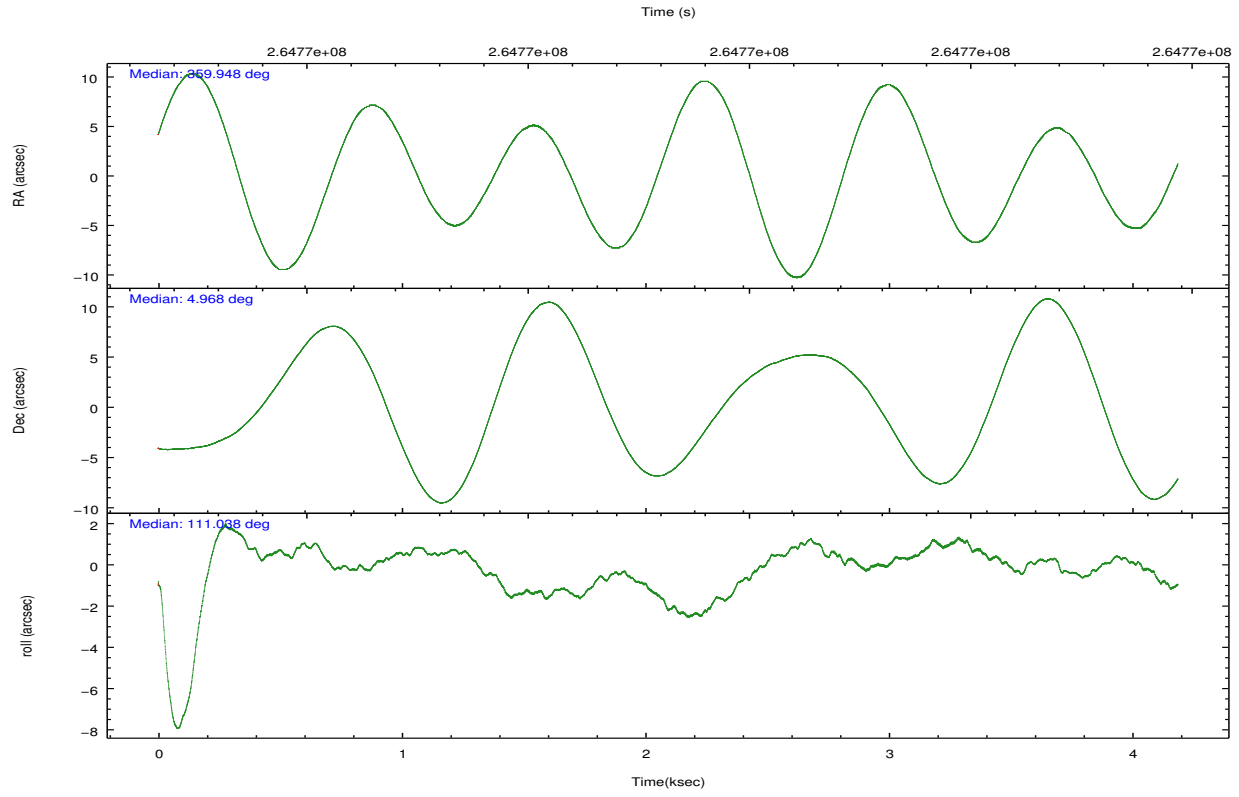
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	618	570	816	740	1094	2014
	2%	2%	16%	2%	24%	7%
grade 1 events	11	10	31	10	23	29
	0%	0%	0%	0%	0%	0%
grade 2 events	309	182	1356	237	1089	1617
	1%	0%	27%	0%	24%	5%
grade 3 events	156	156	374	176	465	752
	0%	0%	7%	0%	10%	2%
grade 4 events	170	136	357	147	400	641
	0%	0%	7%	0%	9%	2%
grade 5 events	47	44	288	41	145	179
	0%	0%	5%	0%	3%	0%
grade 6 events	143	120	563	115	620	1940
	0%	0%	11%	0%	13%	7%
grade 7 events	26531	22287	1079	24050	607	20356
	94%	94%	22%	94%	13%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	359.969130	359.9476603524074	Subarray requested	NONE	NONE
[deg] Pointing Dec	4.951622	4.968372208109489	Alternating exposures requested	N	N
[deg] Pointing Roll	110.883888	111.042379437484	[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)	264767722.184000	264767345.95078			
Observation start date	2006-05-23T10:34:17	2006-05-23T10:29:05			
[s] Observation end time (MET)	264771722.184000	264772496.06352			
Observation end date	2006-05-23T11:40:57	2006-05-23T11:54:56			
Read mode	TIMED	TIMED			

2.3 Aspect



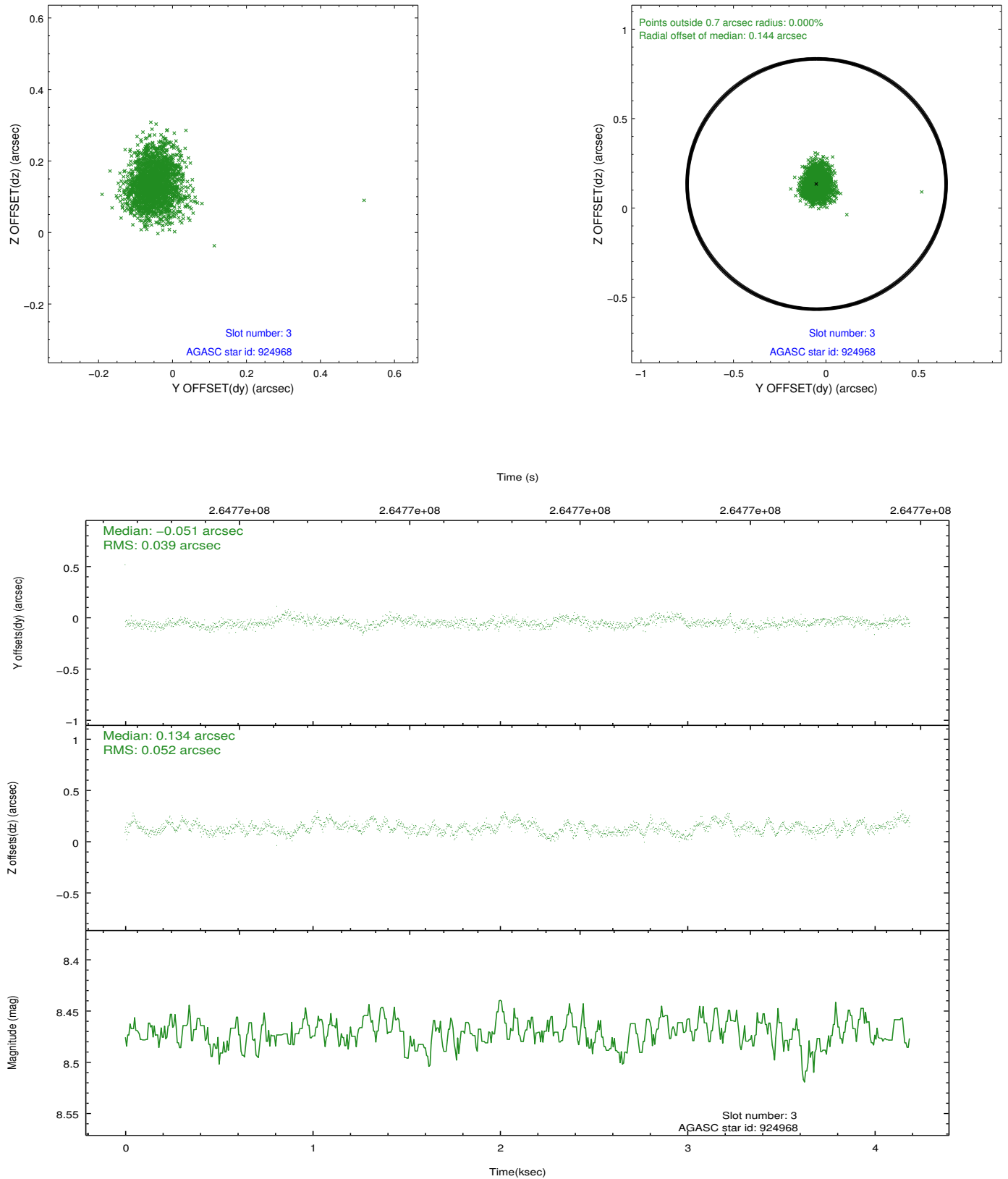


Slot Statistics

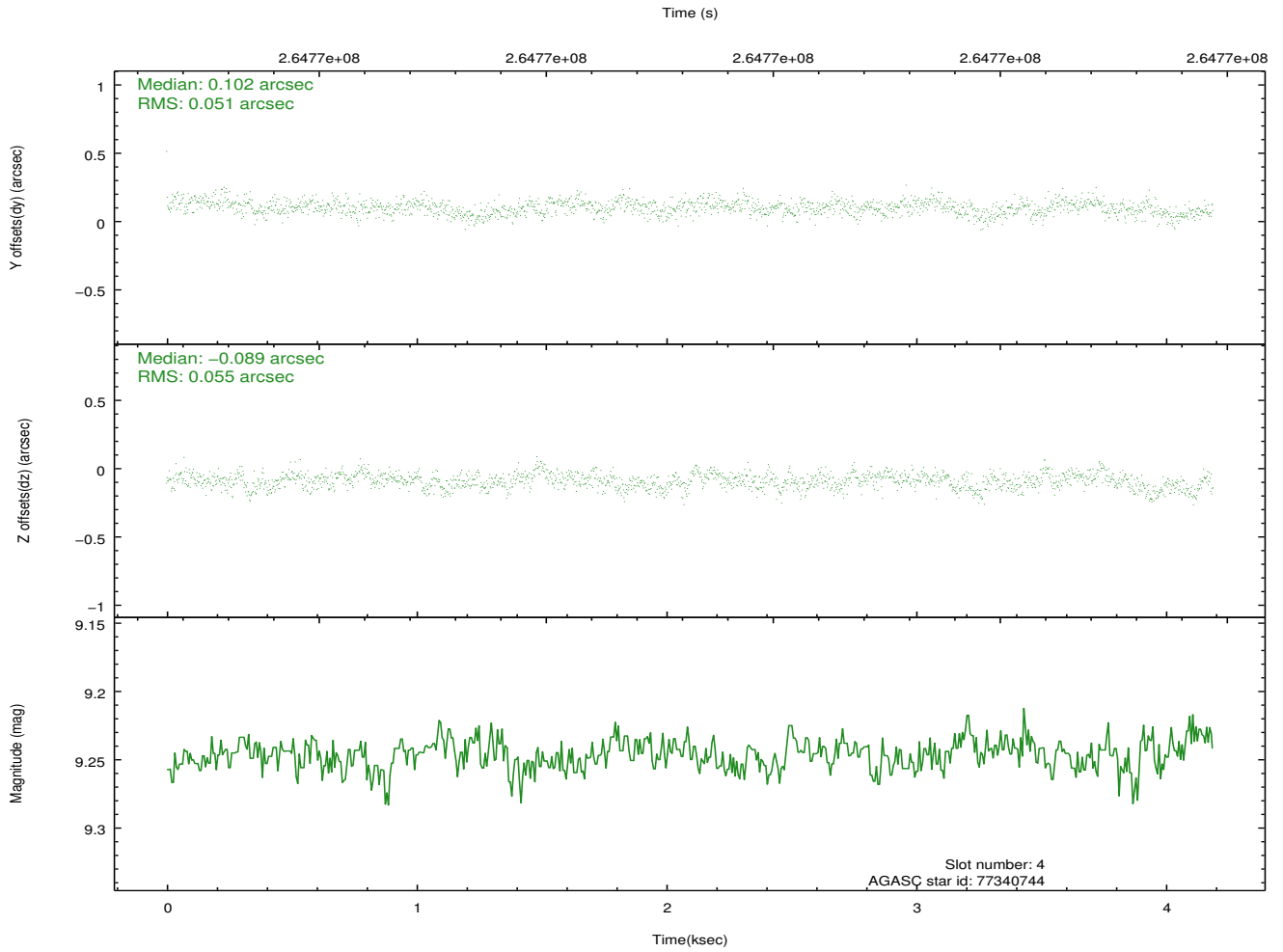
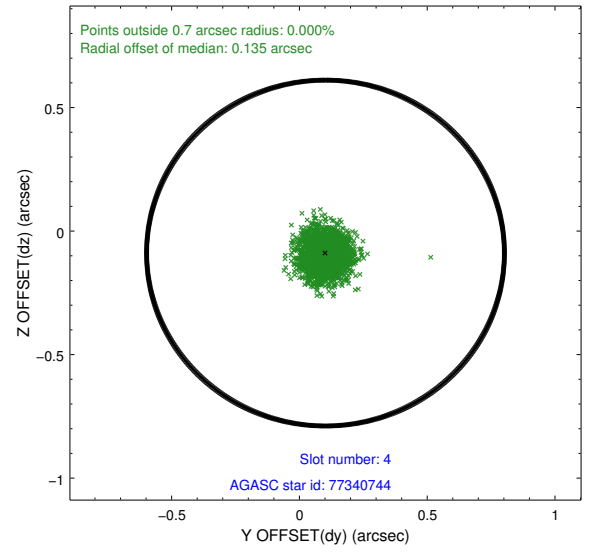
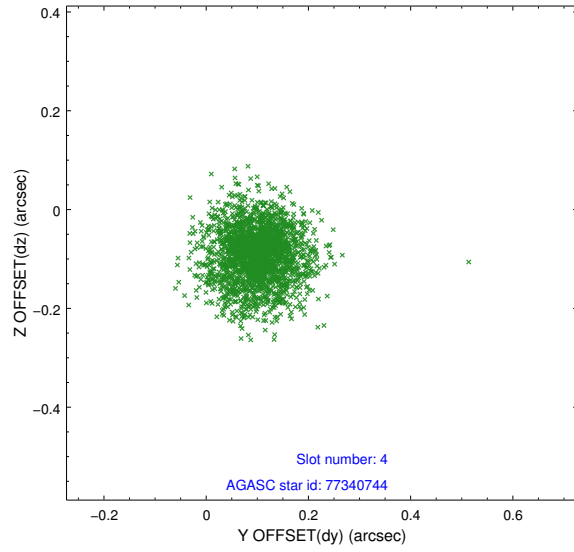
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1022	-0.034	-0.034	0.007	0.011	0.000000	0.000000	-759.89	-1733.14
1	FID	ACIS-S-4	7.20	1022	0.096	0.026	0.005	0.010	0.000000	0.000000	2152.83	173.88
2	FID	ACIS-S-5	7.23	1022	-0.093	0.017	0.006	0.010	0.000000	0.000000	-1810.90	169.21
3	GUIDE	924968	8.47	2043	-0.051	0.134	0.068	0.109	0.398850	5.054942	-200.78	-1572.25
4	GUIDE	77340744	9.25	2042	0.102	-0.089	0.080	0.130	359.949603	4.749030	-656.04	325.01
5	GUIDE	77341432	9.27	2042	0.082	0.088	0.087	0.139	359.793064	4.723435	-542.23	883.24
6	GUIDE	77341664	7.25	2044	0.144	-0.097	0.054	0.086	359.734267	4.273512	-1979.94	1658.33
7	GUIDE	77738096	8.79	2042	-0.282	-0.034	0.072	0.119	359.448323	5.404347	2187.93	1163.94

2.4 Star Slots

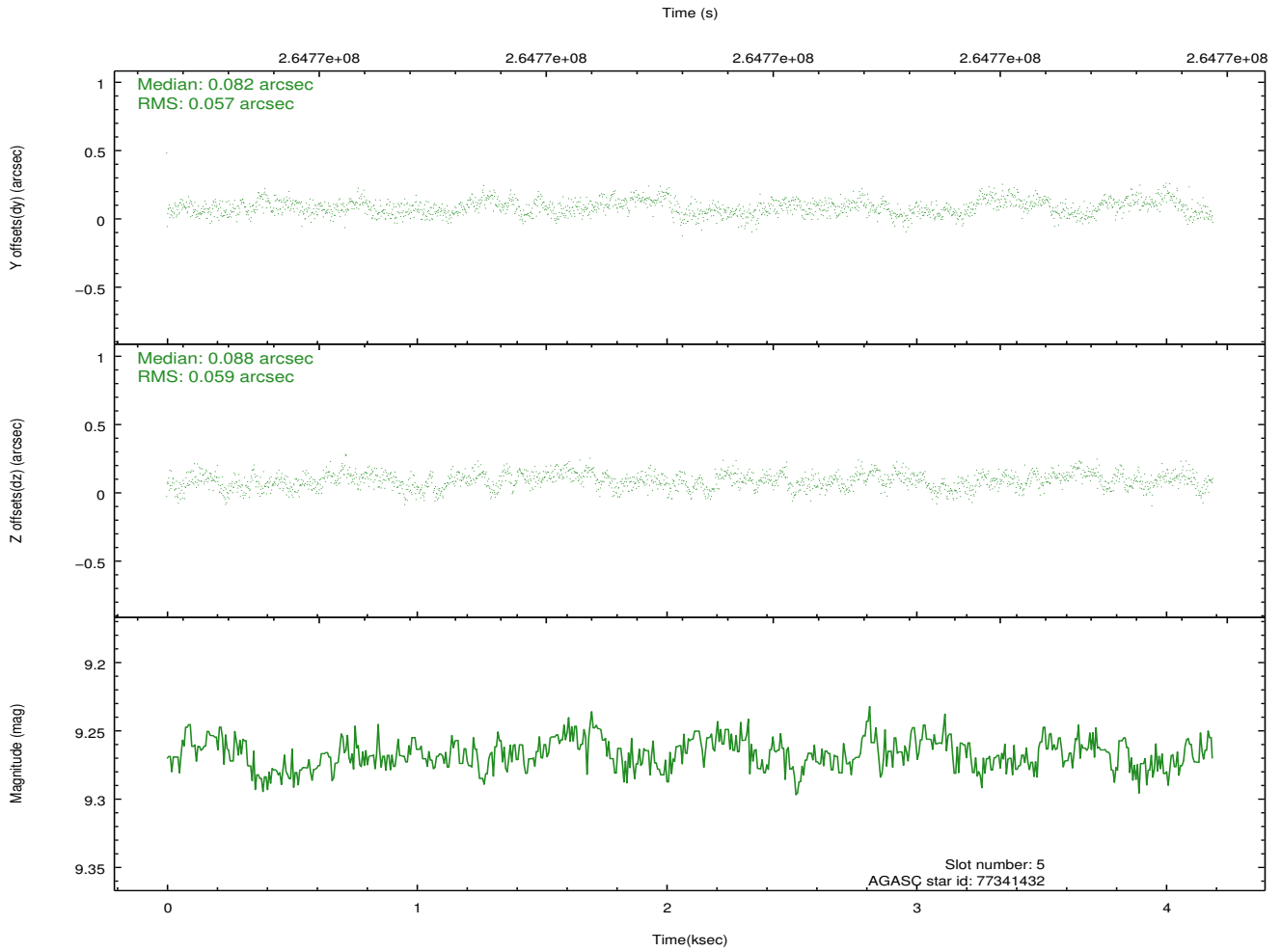
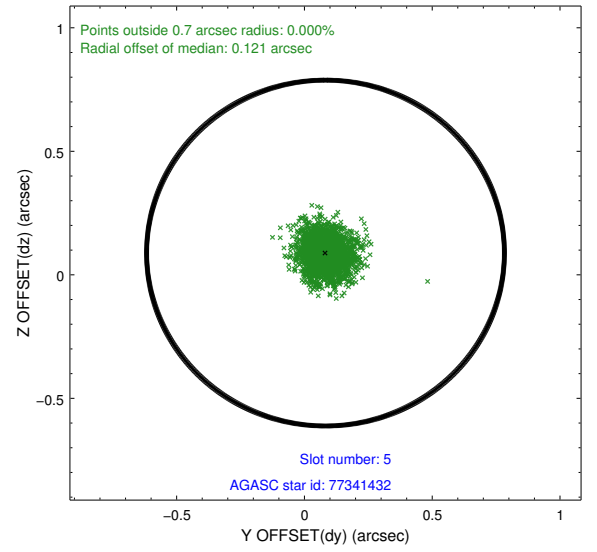
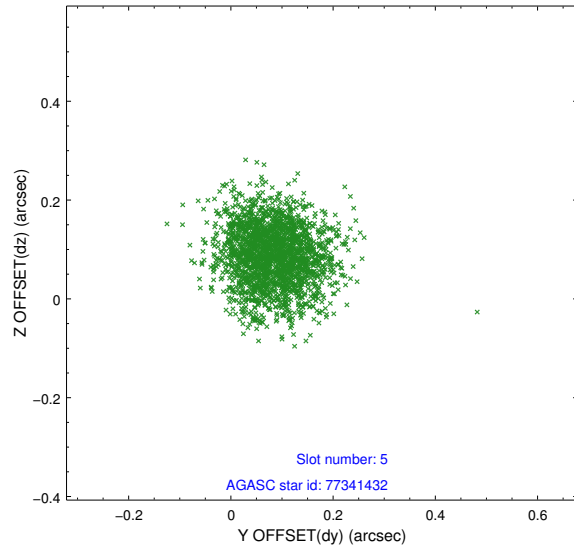
2.4.1 Slot 3



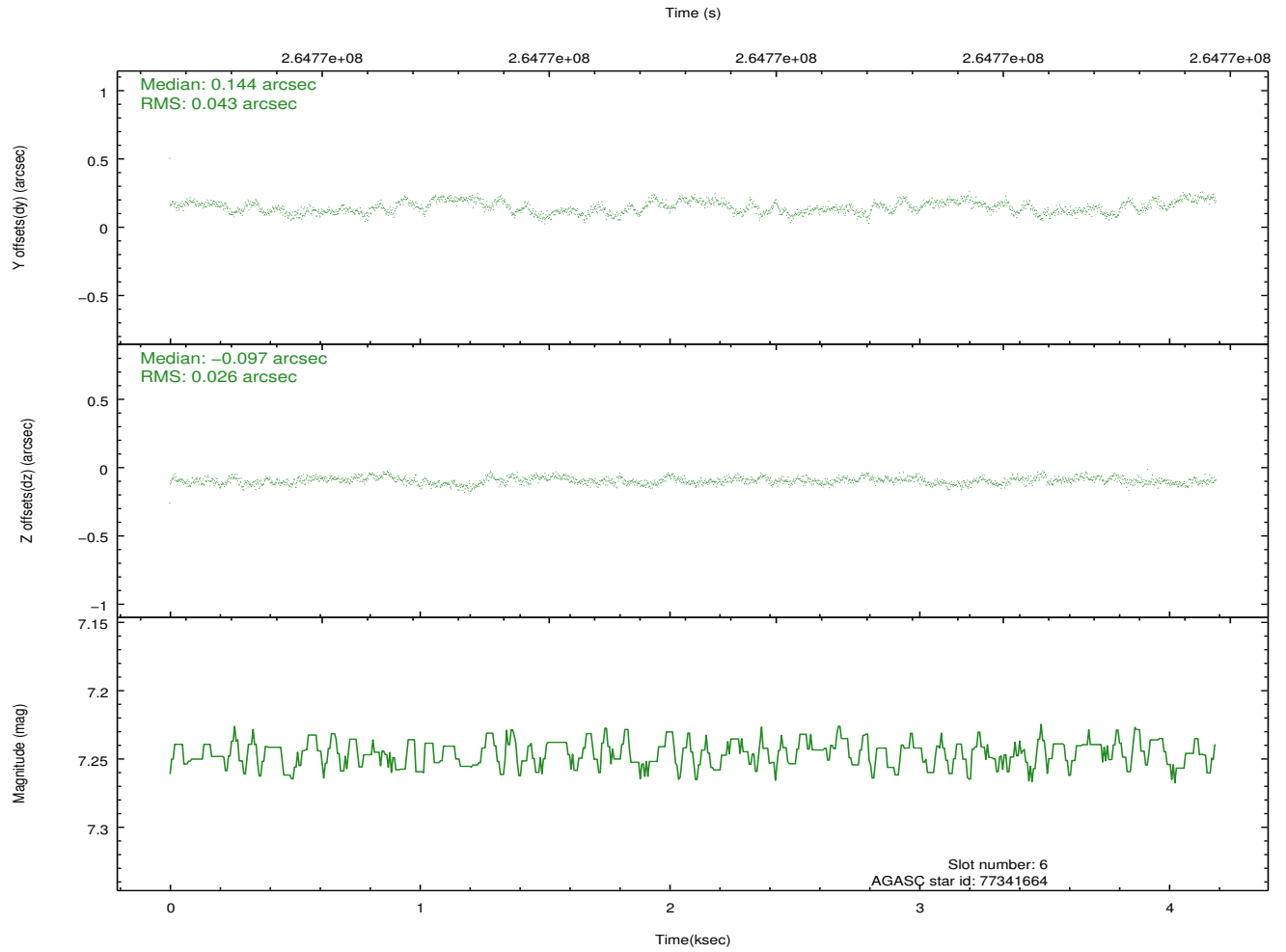
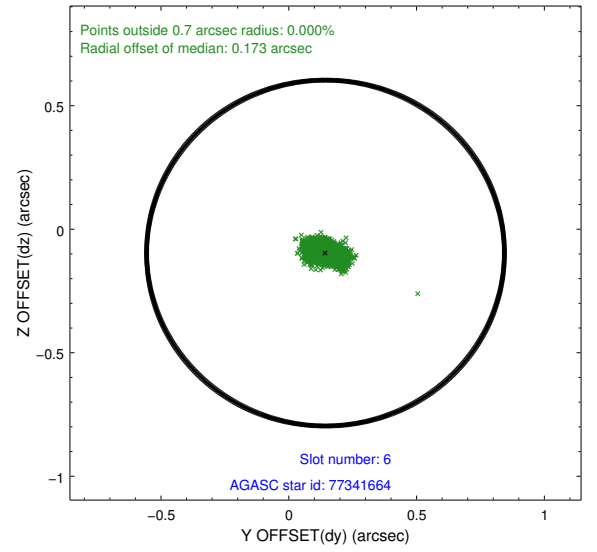
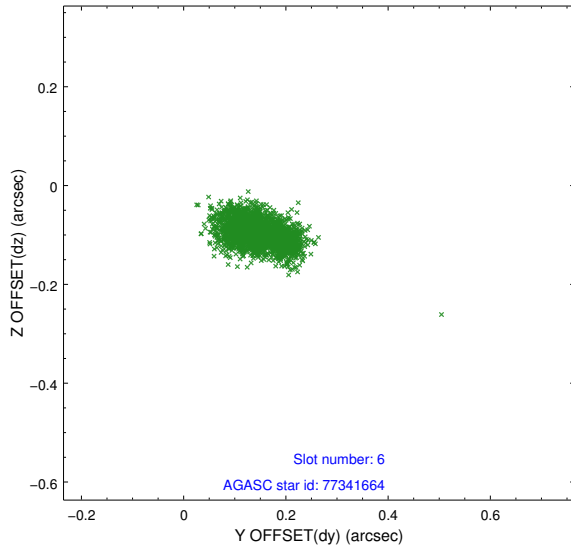
2.4.2 Slot 4



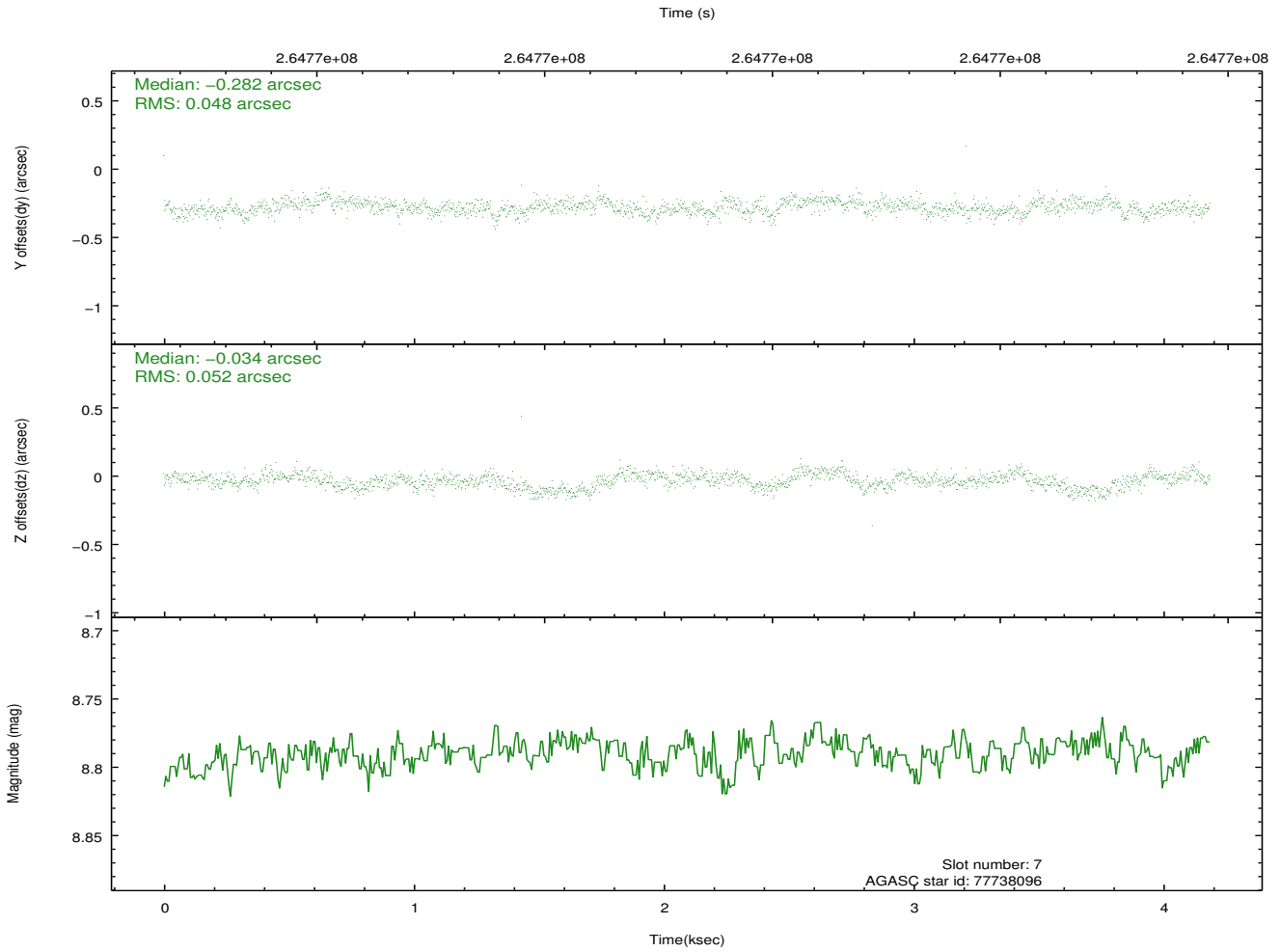
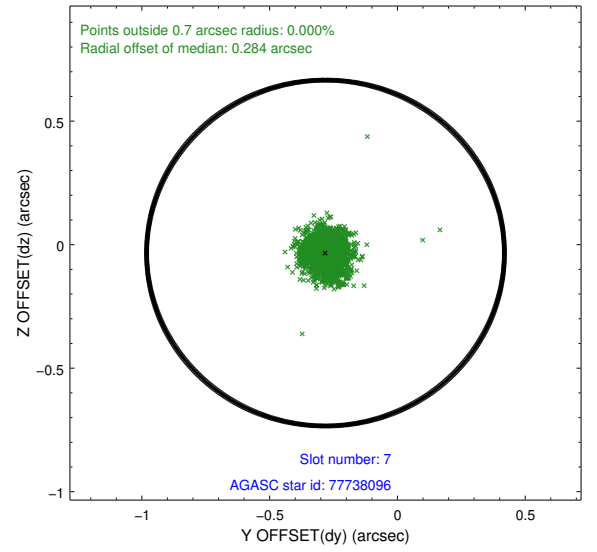
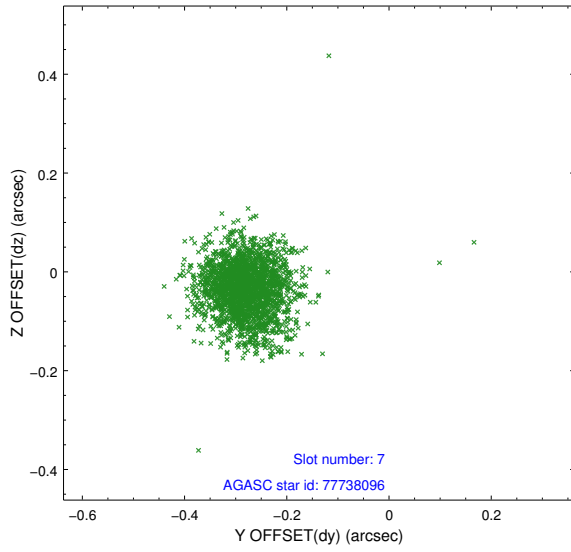
2.4.3 Slot 5



2.4.4 Slot 6

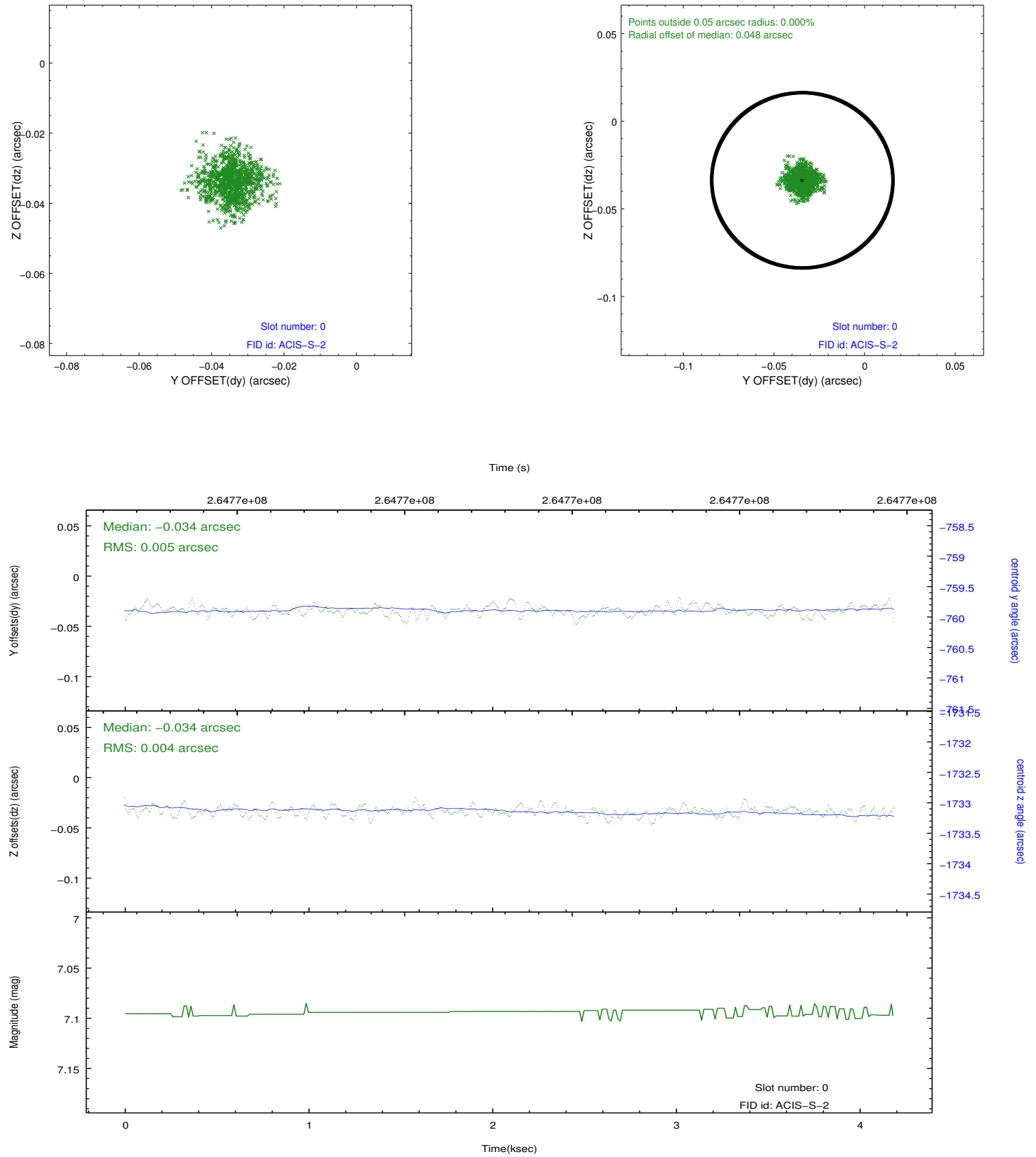


2.4.5 Slot 7

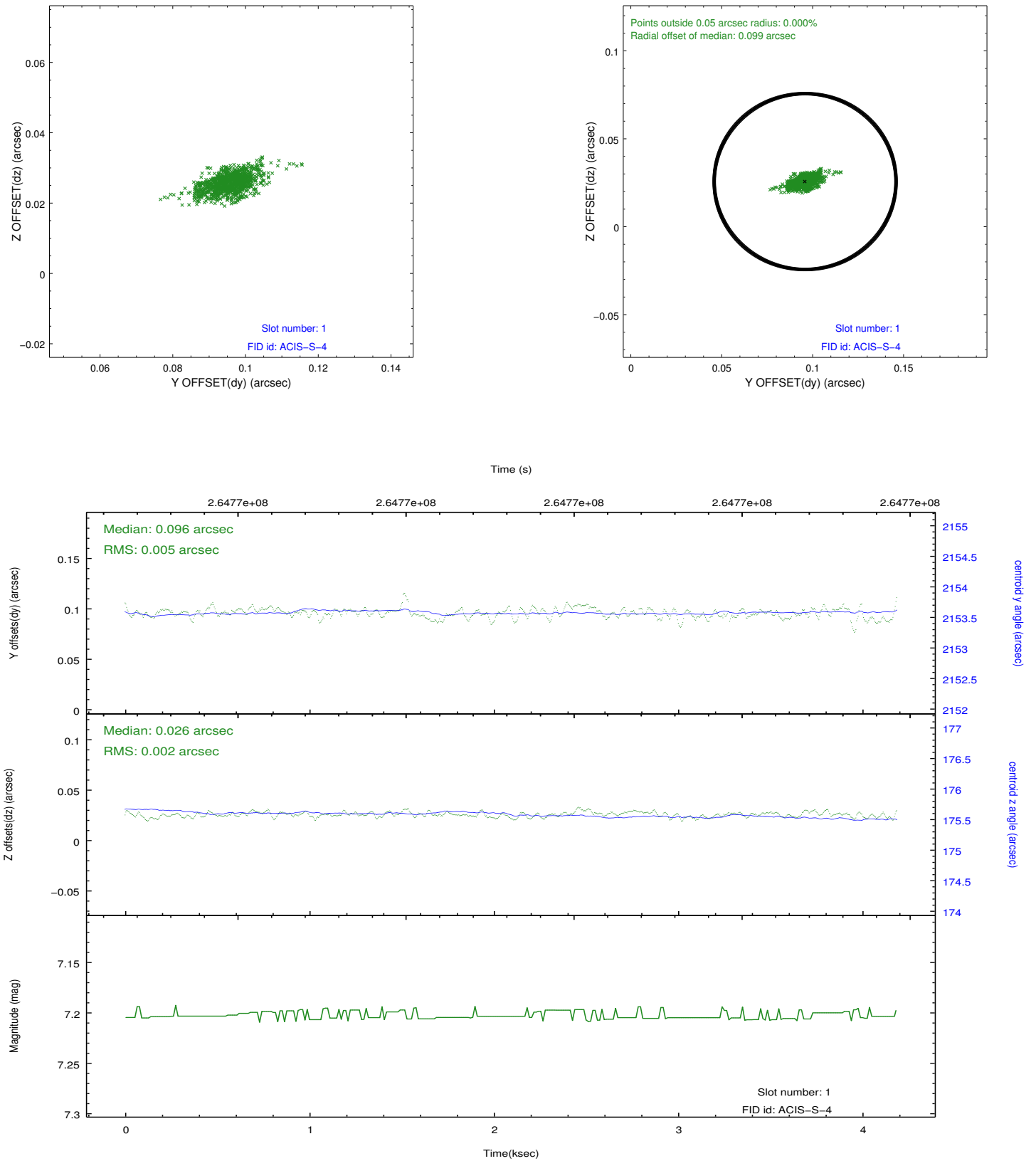


2.5 FID Slots

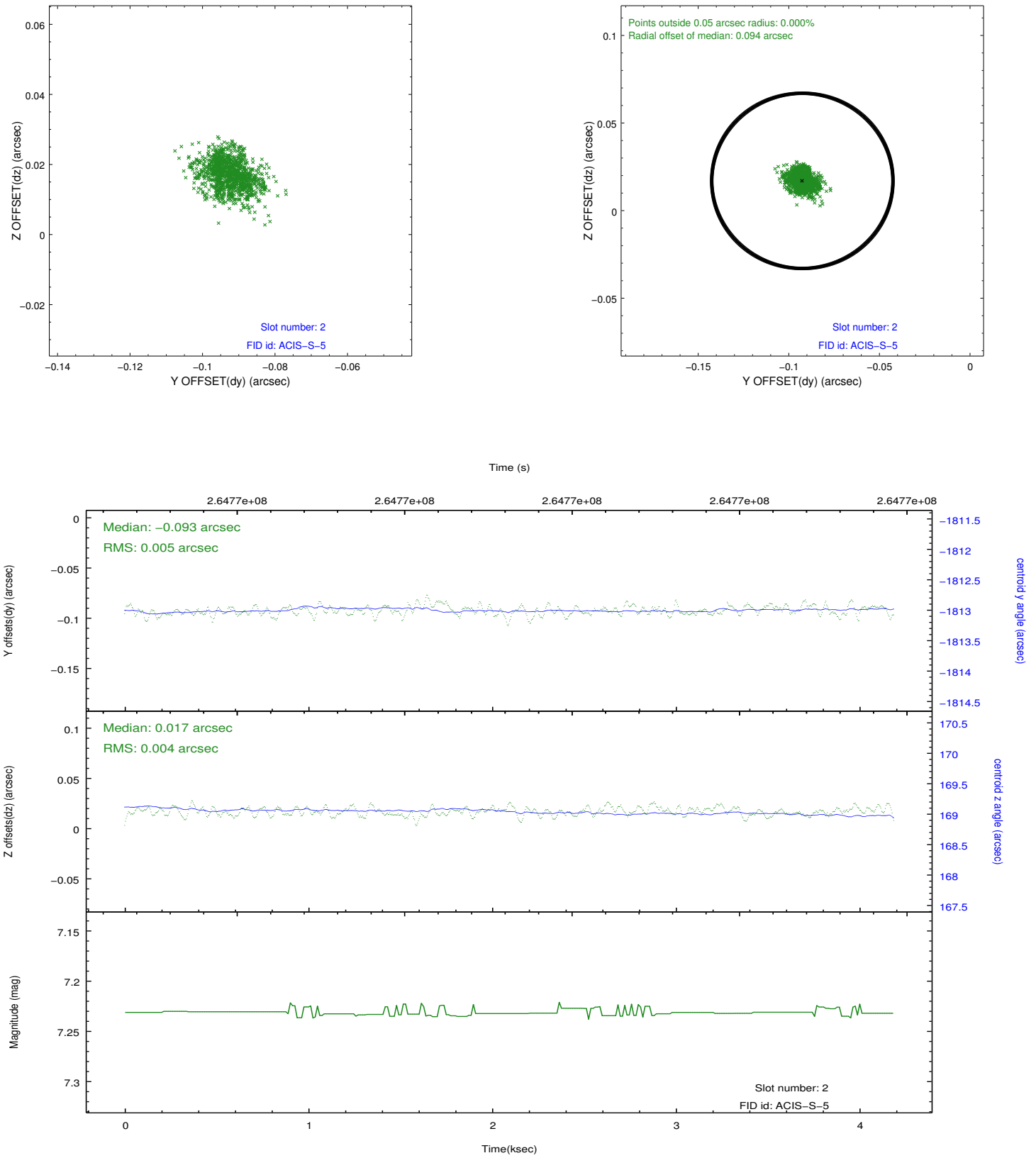
2.5.1 Slot 0



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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.18239998

A.2 Comments