

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7333 - L2 Version 2
Chandra X-Ray Center

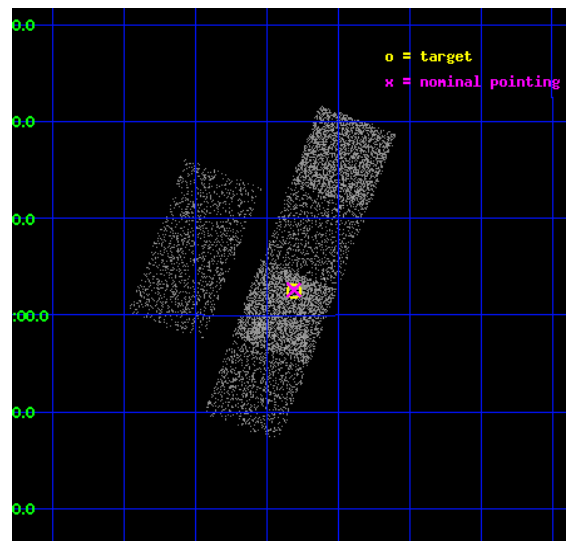
L2 Processing Date : Apr 2 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

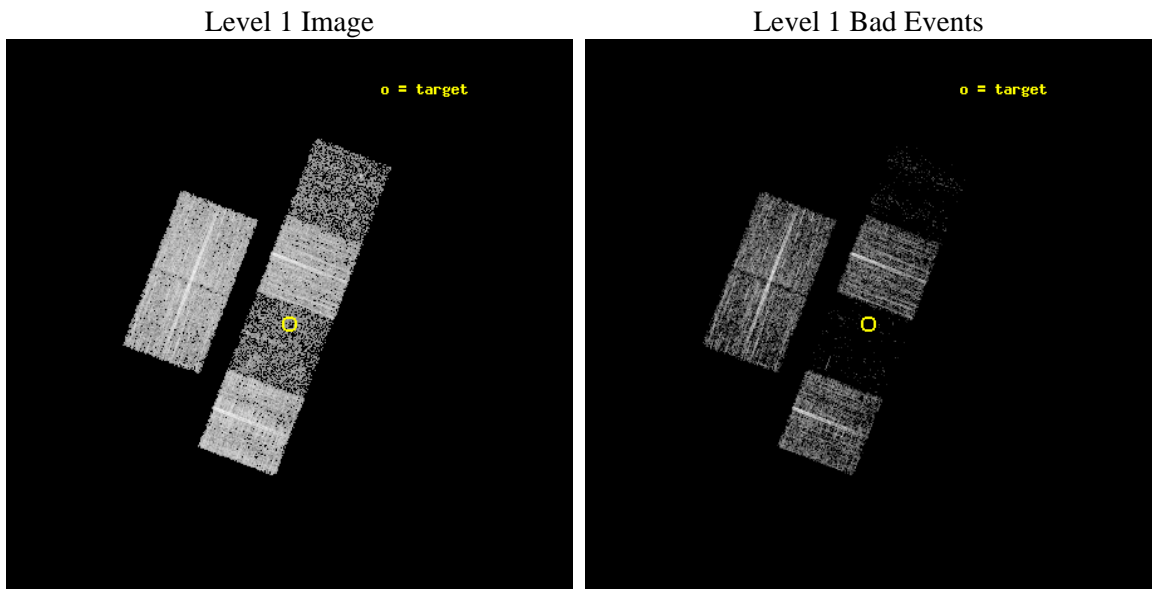
seq_num	100066	Sequence number
obs_id	7333	Observation id
title	An Extremely Close Encounter with the Disintegrating Comet 73P/SW3	
observer	Dr. Scott Wolk	Principal investigator
object	73P/Schwassmann-Wachmann 3-B	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.826356	Observer's specified target RA [deg]
dec_targ	5.041818	Observer's specified target Dec [deg]
ra_nom	359.82746051479	Nominal RA [deg]
dec_nom	5.0436762625888	Nominal Dec [deg]
roll_nom	110.97965539894	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	4179.1590141356	Sum of GTIs [s]
ontime7	4182.3999844193	Sum of GTIs [s]
ontime8	4182.3999844193	Sum of GTIs [s]
l2events	10427	Number of level 2 events



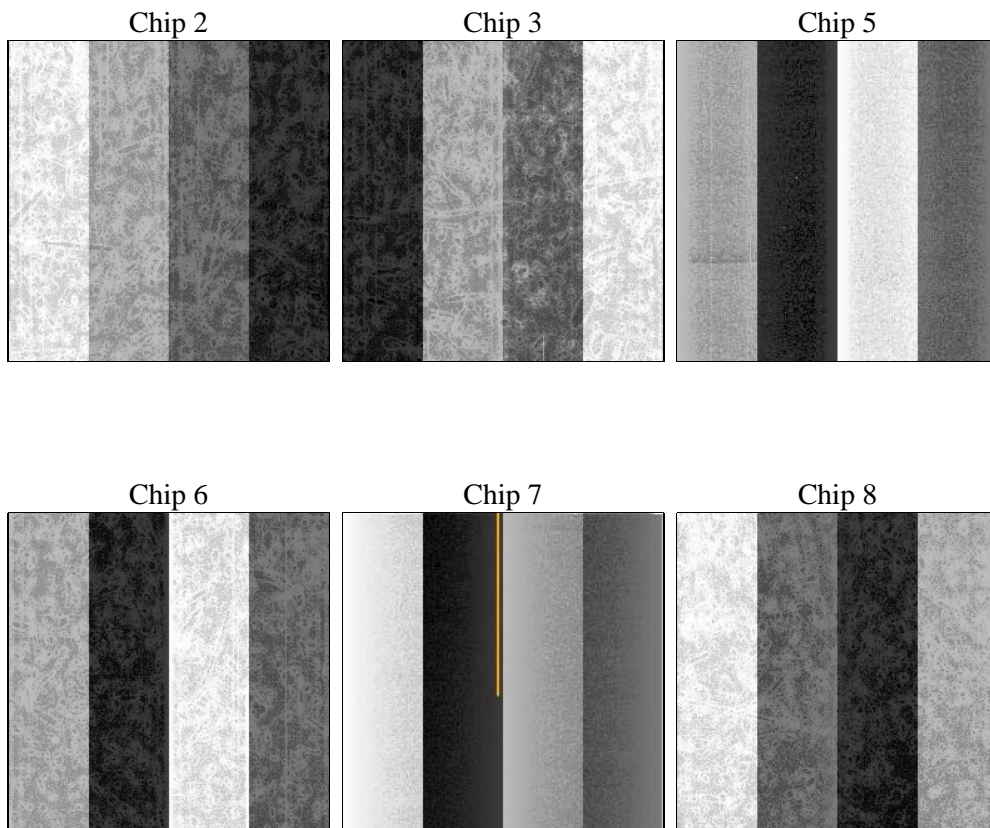
2 OBI

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	2012-04-02T03:14:22	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	4179.1590141356	Sum of GTIs [s]
			ontime7	4182.3999844193	Sum of GTIs [s]
			ontime8	4182.3999844193	Sum of GTIs [s]
			l1events	116680	Number of level 1 events

2.1.4 Events

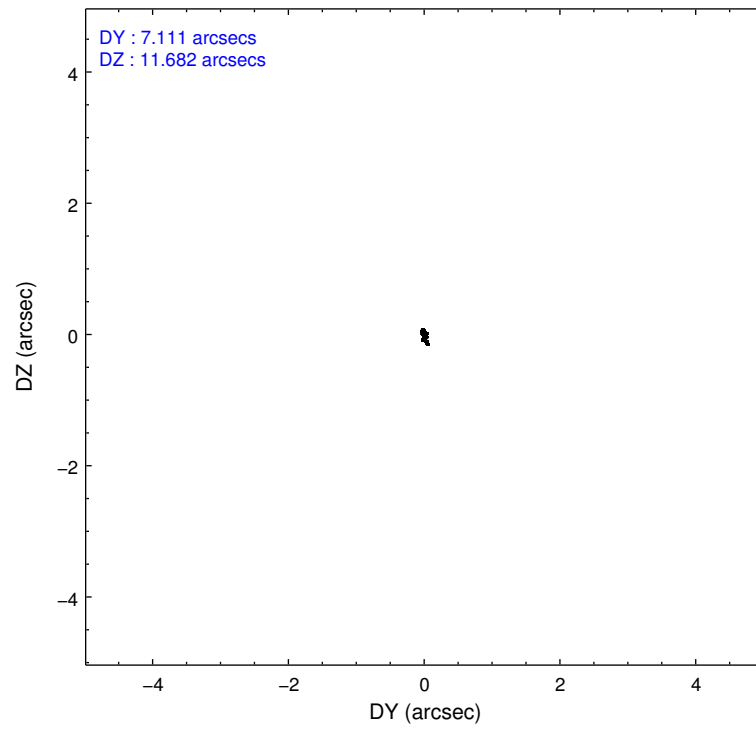
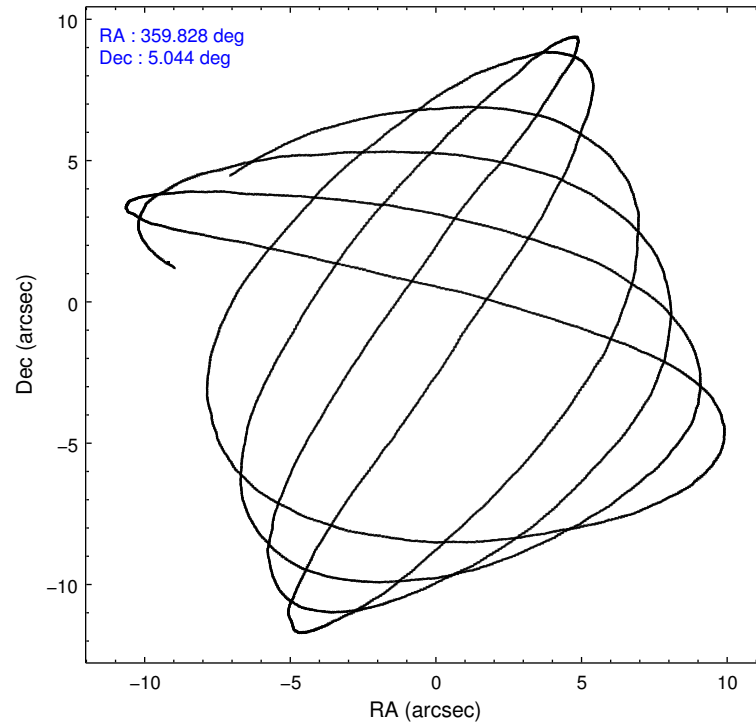
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27610	24183	5035	24289	5070	30493
rejected events	26300	23144	1754	22843	1165	23442
rejected %	95%	95%	34%	94%	22%	76%

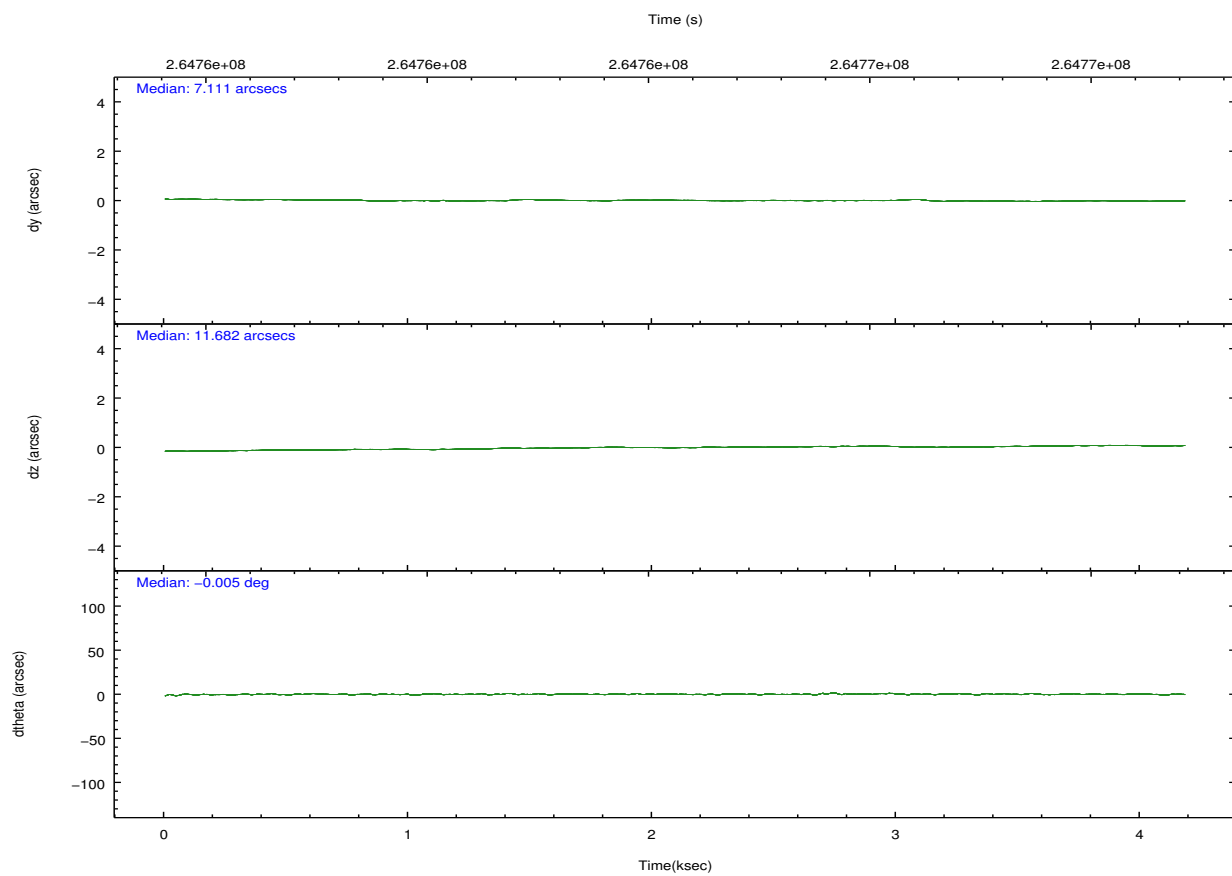
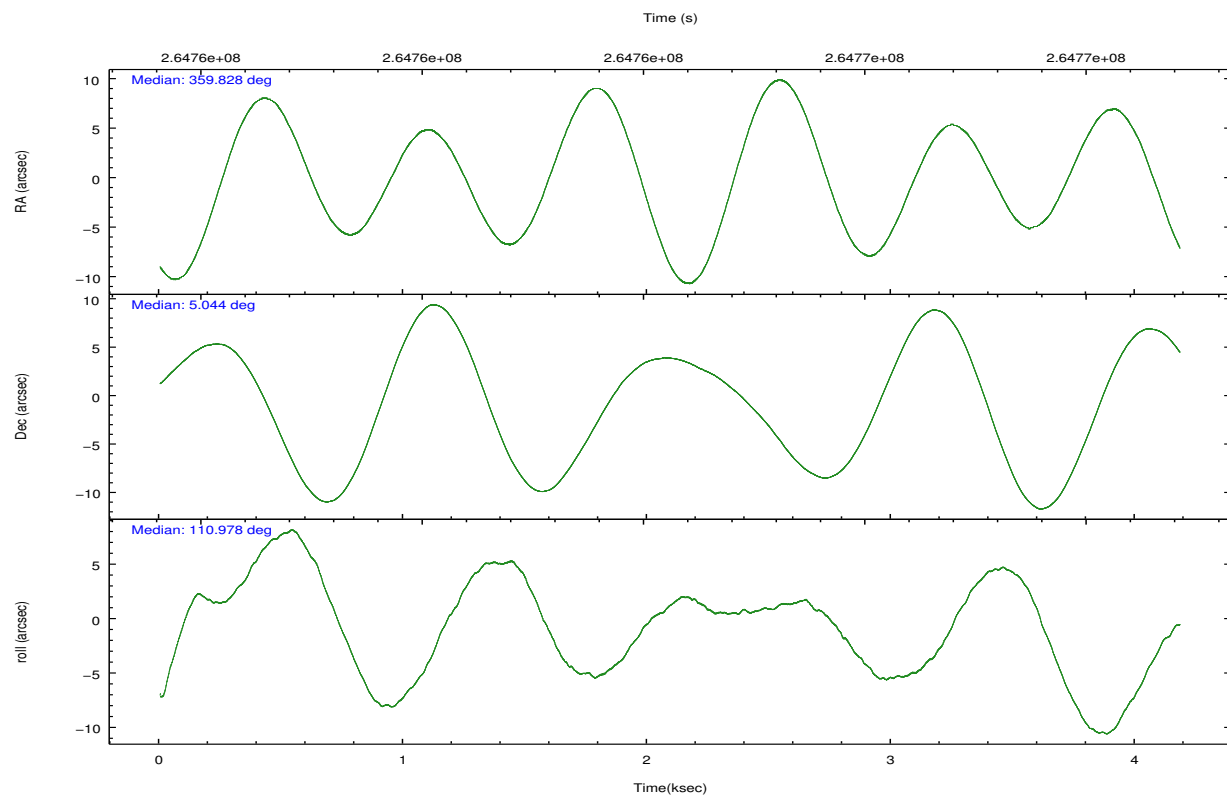
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	649	560	862	813	1423	1998
	2%	2%	17%	3%	28%	6%
grade 1 events	9	15	33	11	25	21
	0%	0%	0%	0%	0%	0%
grade 2 events	310	149	1330	278	1156	1708
	1%	0%	26%	1%	22%	5%
grade 3 events	164	172	364	145	462	844
	0%	0%	7%	0%	9%	2%
grade 4 events	165	142	337	169	490	769
	0%	0%	6%	0%	9%	2%
grade 5 events	70	45	287	43	169	213
	0%	0%	5%	0%	3%	0%
grade 6 events	134	113	611	136	677	2237
	0%	0%	12%	0%	13%	7%
grade 7 events	26109	22987	1211	22694	668	22703
	94%	95%	24%	93%	13%	74%

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	359.848948	359.827460514789	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.026716	5.043676262588753	Alternating exposures requested	N	N
[deg] Pointing Roll	110.821166	110.9796553989384	[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)	264763212.184000	264762835.95057			
Observation start date	2006-05-23T09:19:07	2006-05-23T09:13:55			
[s] Observation end time (MET)	264767212.184000	264767345.95078			
Observation end date	2006-05-23T10:25:47	2006-05-23T10:29:05			
Read mode	TIMED	TIMED			

2.3 Aspect



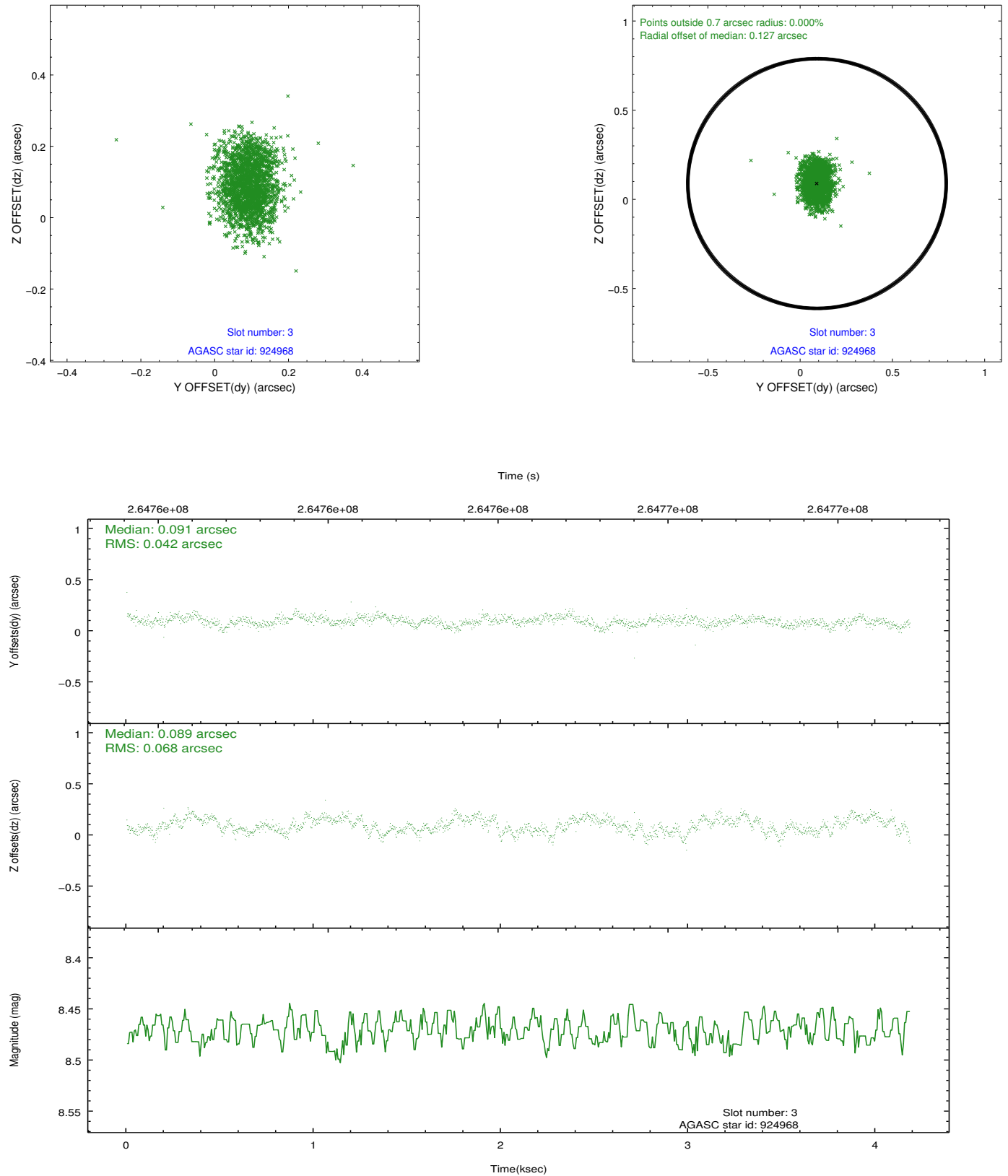


Slot Statistics

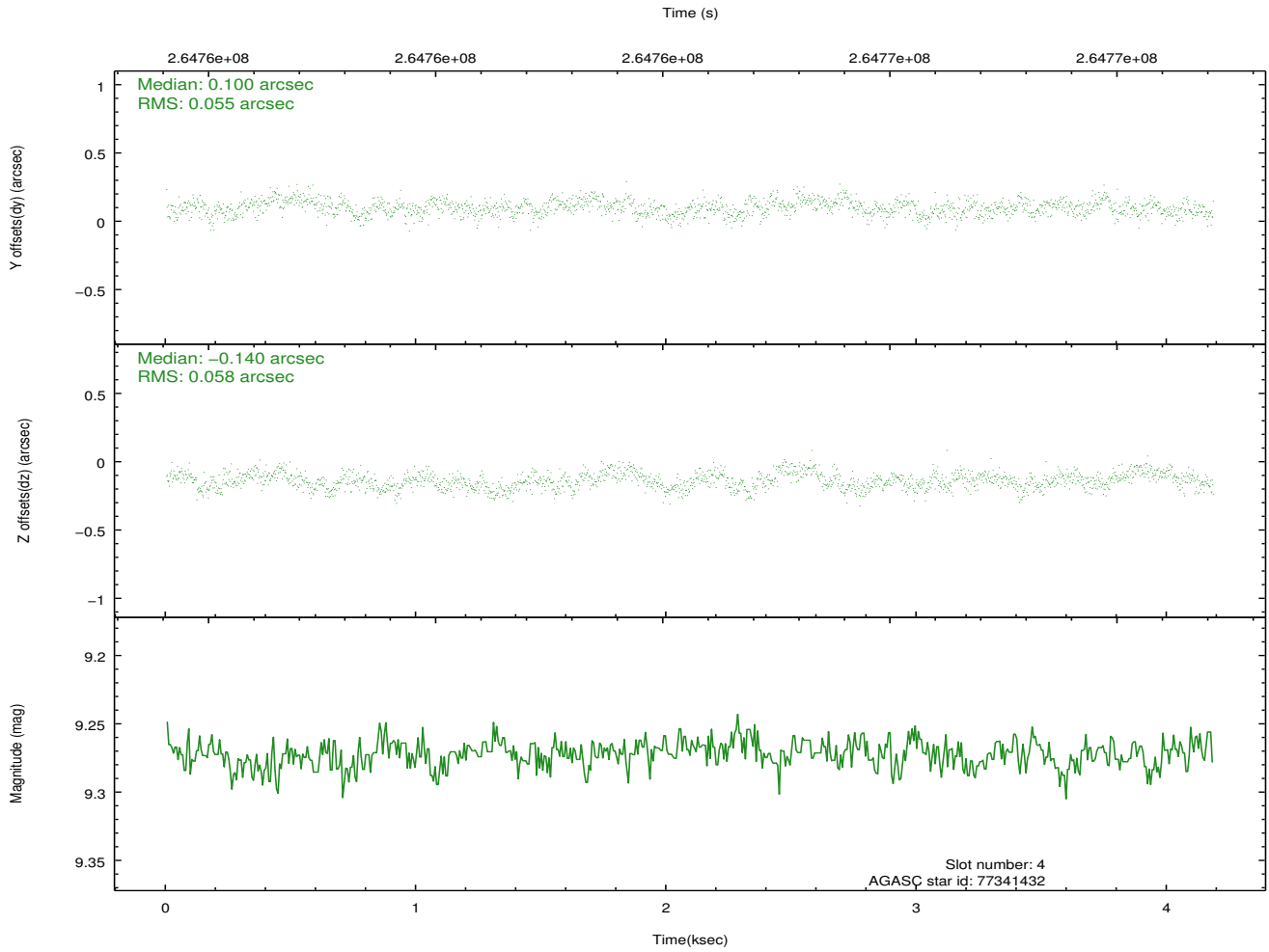
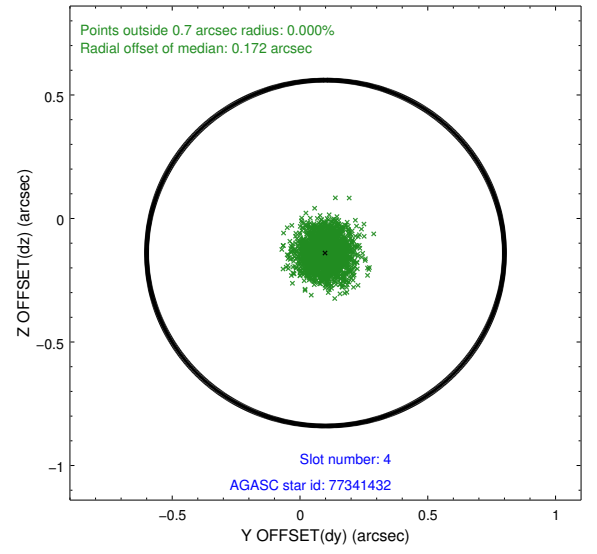
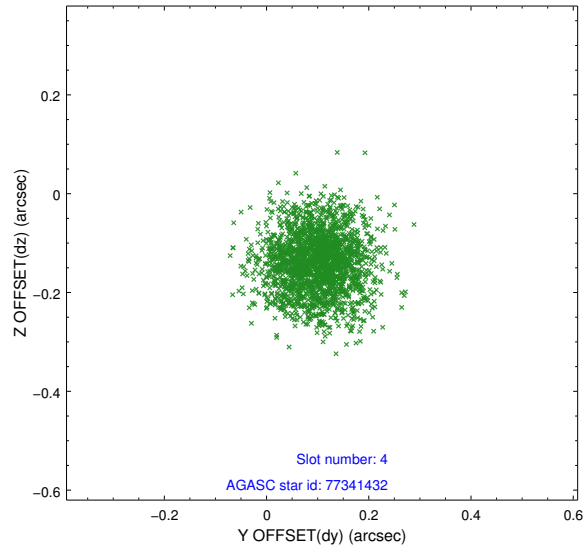
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1020	0.025	-0.092	0.010	0.018	0.000000	0.000000	936.16	-1728.69
1	FID	ACIS-S-4	7.21	1020	0.054	0.057	0.010	0.016	0.000000	0.000000	2154.45	174.07
2	FID	ACIS-S-5	7.23	1021	-0.105	0.049	0.010	0.022	0.000000	0.000000	-1810.91	169.38
3	GUIDE	924968	8.47	2041	0.091	0.089	0.084	0.137	0.398850	5.054942	-605.00	-1879.17
4	GUIDE	77341432	9.27	2038	0.100	-0.140	0.085	0.136	359.793064	4.723435	-949.55	574.64
5	GUIDE	77738096	8.78	2041	-0.200	-0.091	0.073	0.116	359.448323	5.404347	1780.80	859.39
6	GUIDE	77737864	9.39	2040	-0.139	-0.050	0.104	0.169	359.593574	5.648848	2419.51	59.91
7	GUIDE	529912	9.85	2039	0.152	0.202	0.171	0.280	0.696512	4.650279	-2344.53	-2361.19

2.4 Star Slots

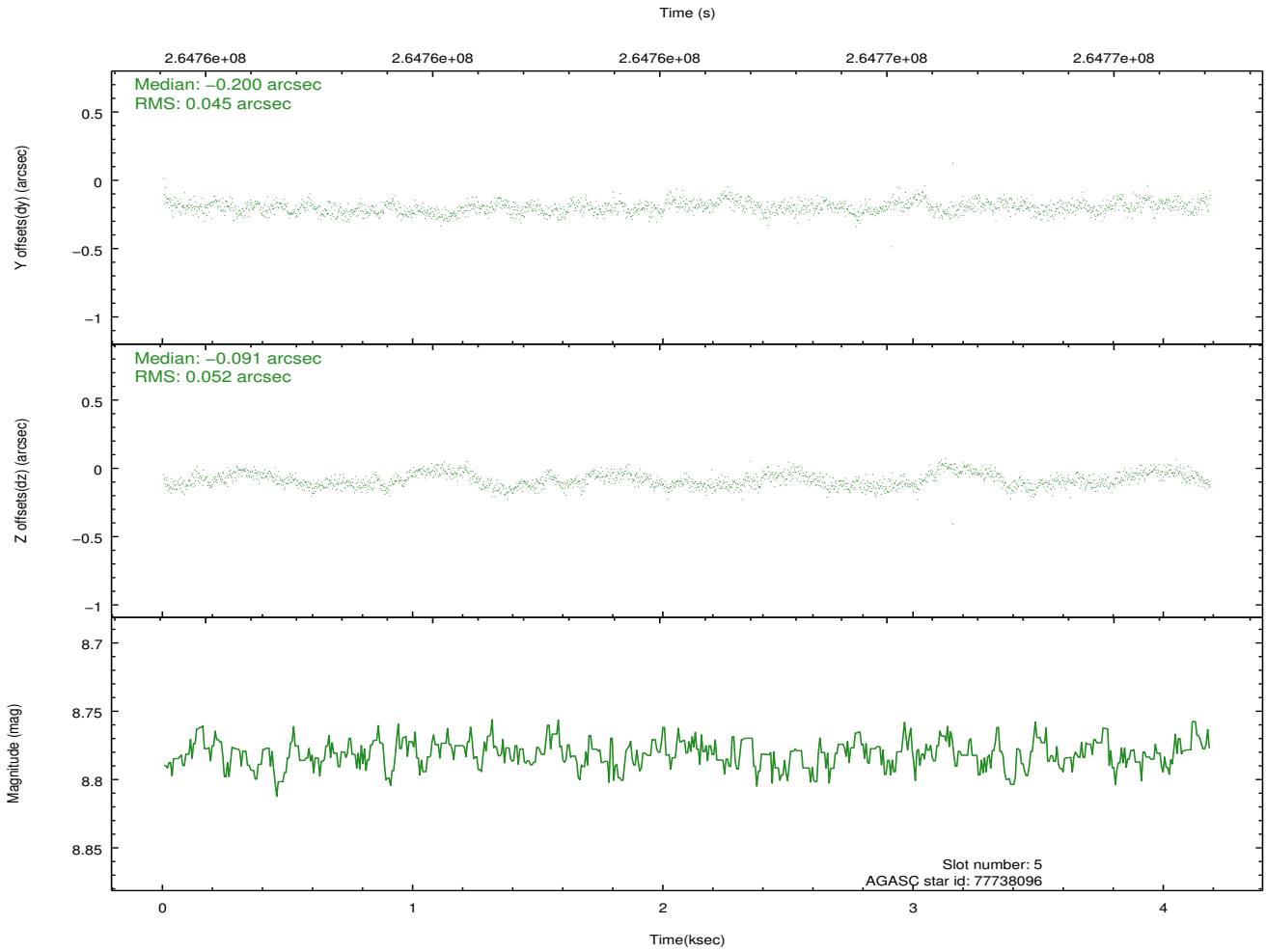
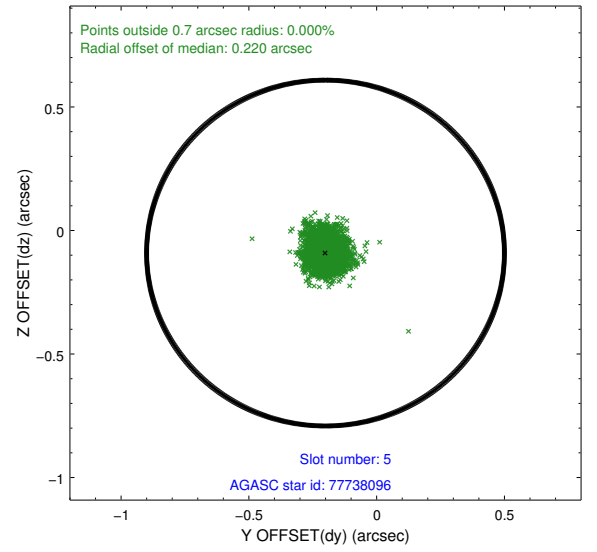
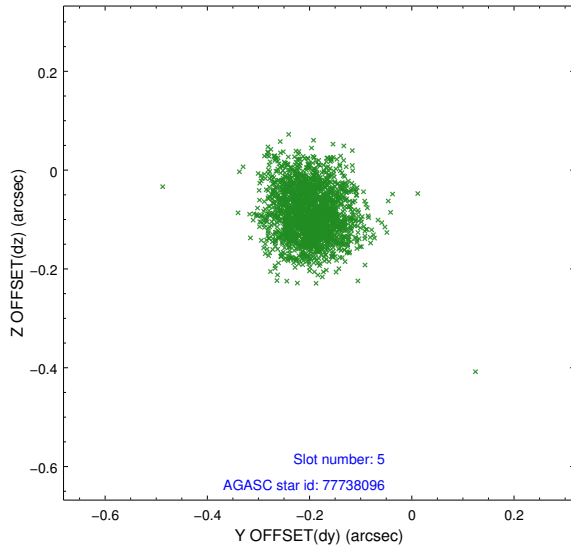
2.4.1 Slot 3



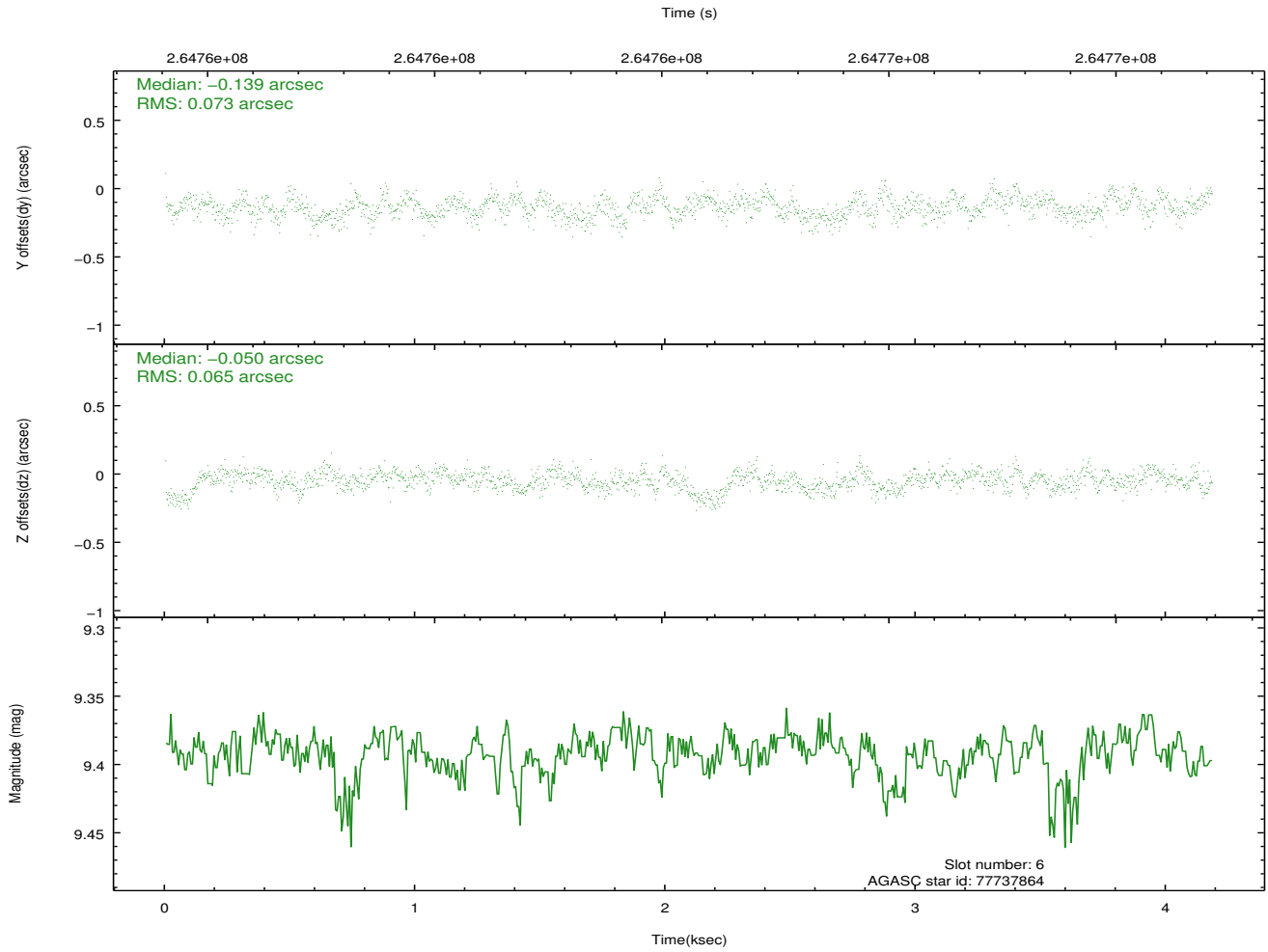
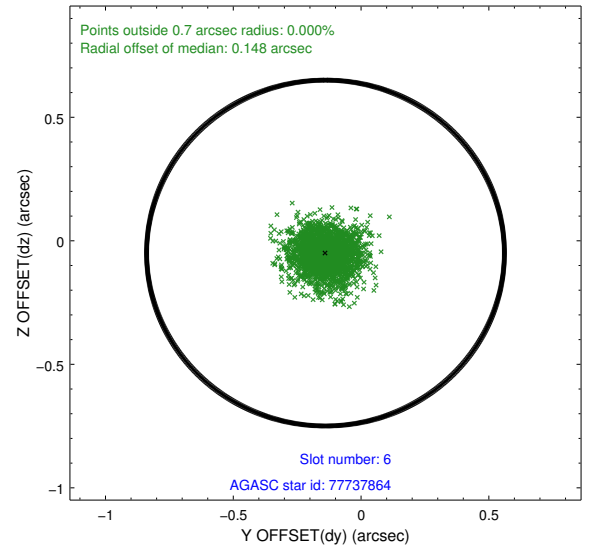
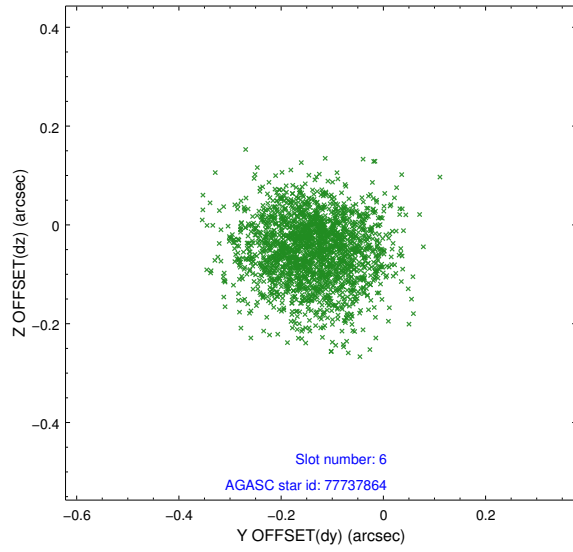
2.4.2 Slot 4



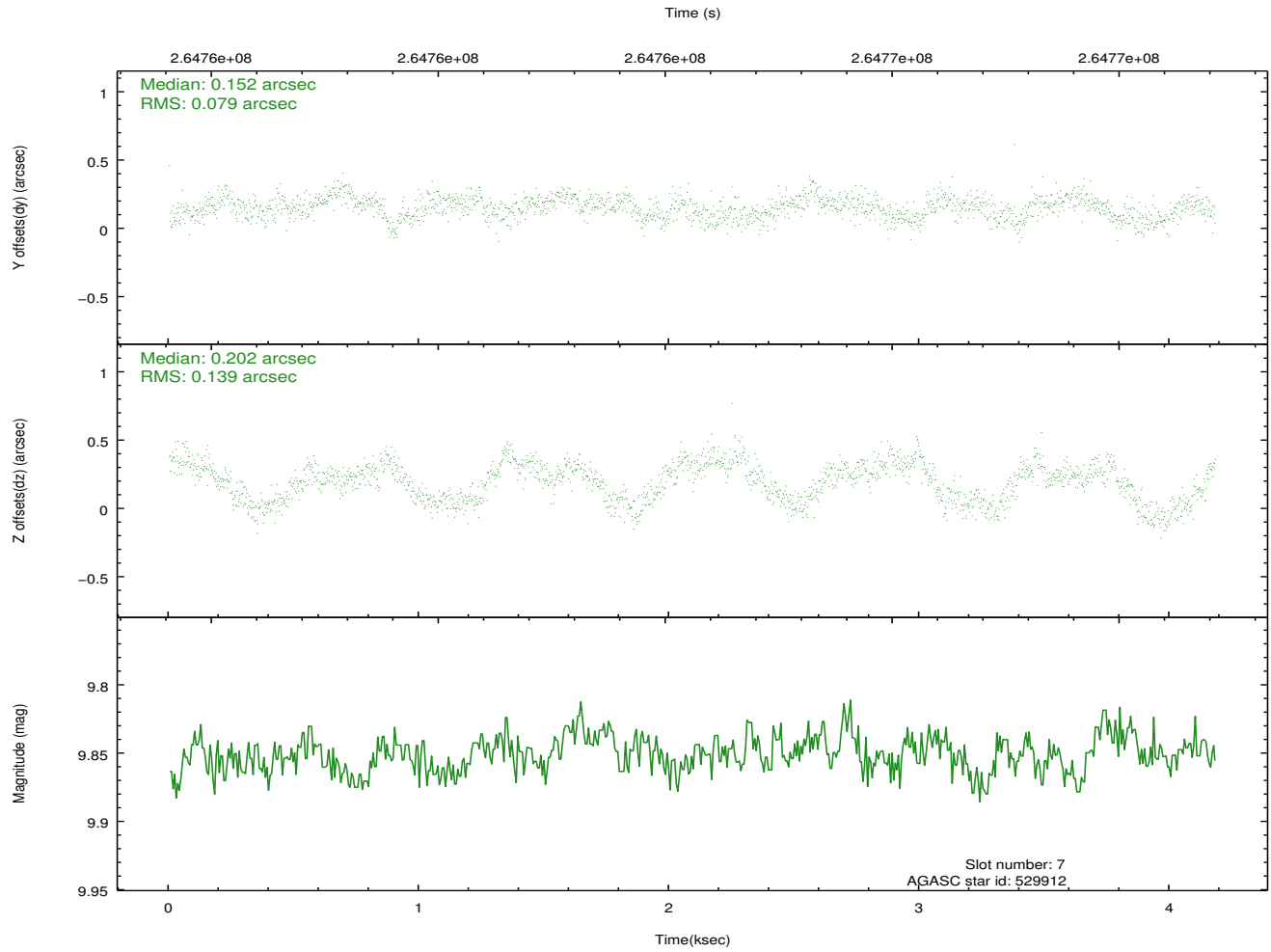
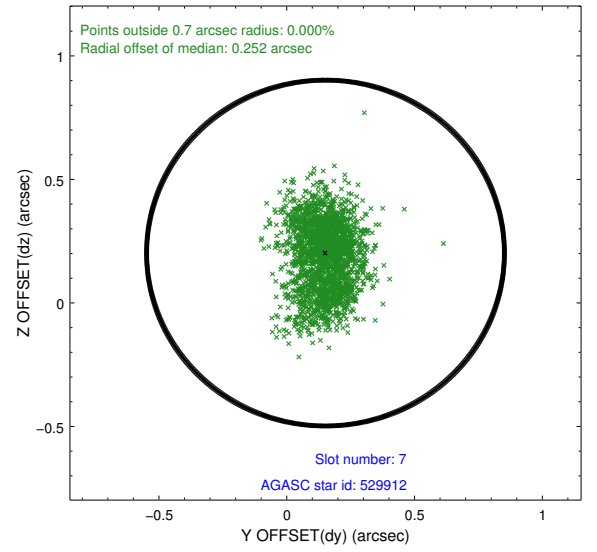
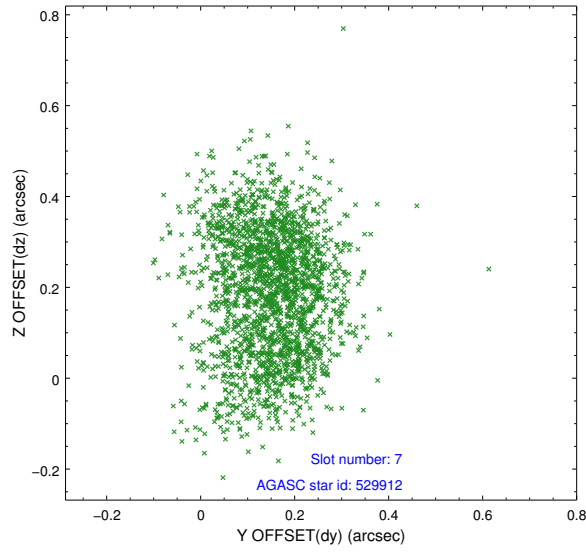
2.4.3 Slot 5



2.4.4 Slot 6

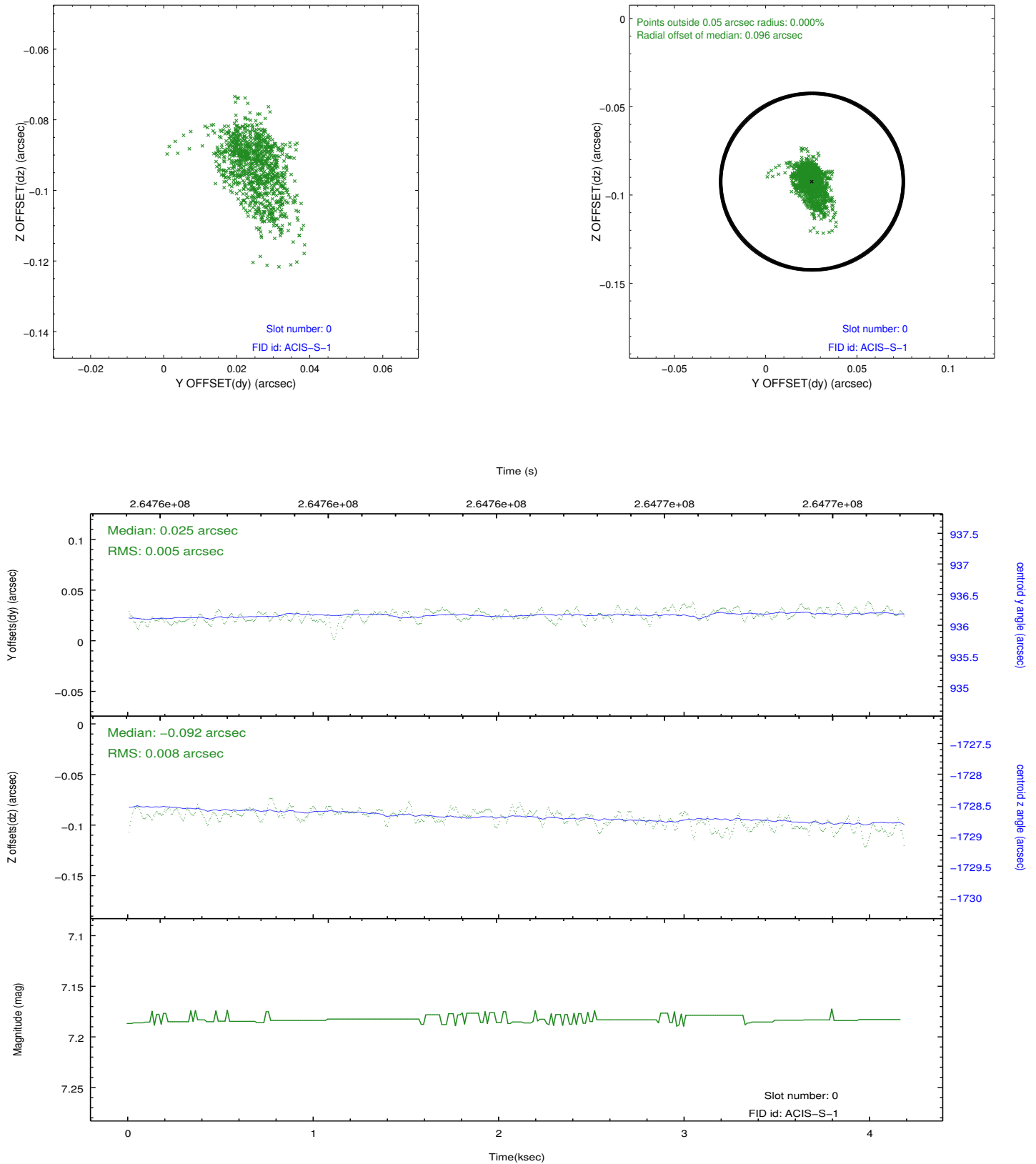


2.4.5 Slot 7

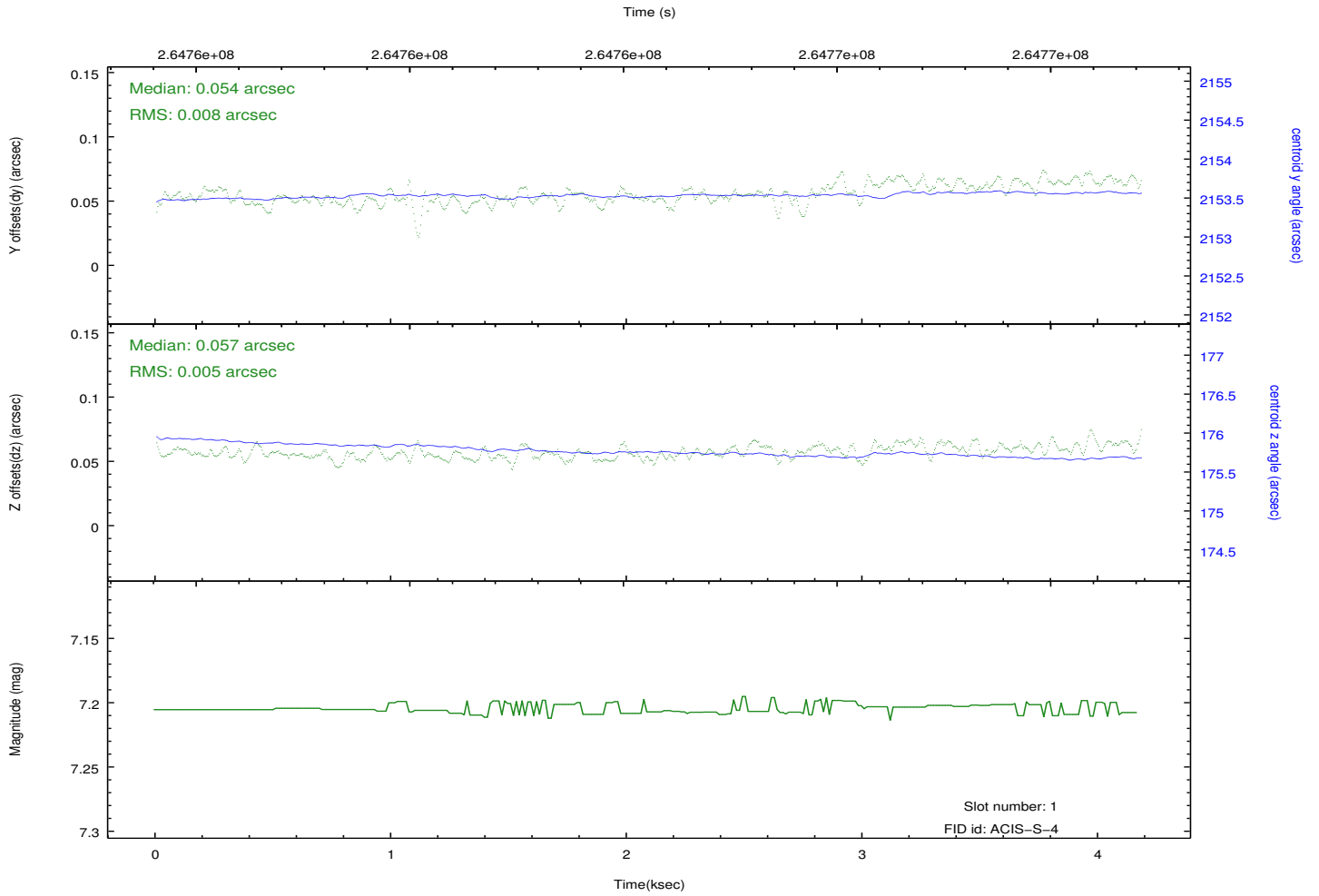
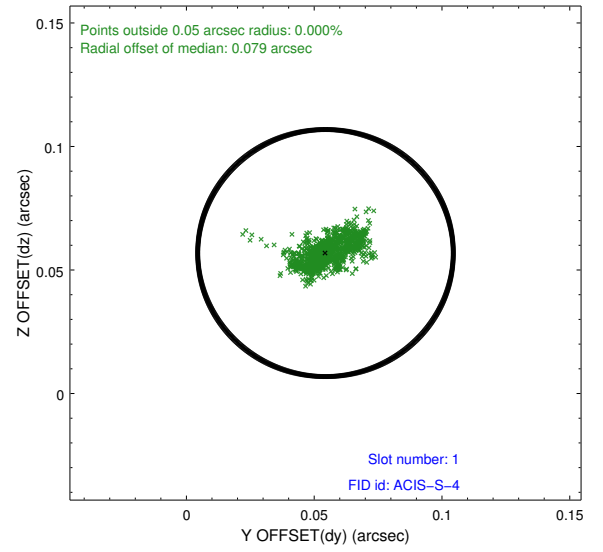
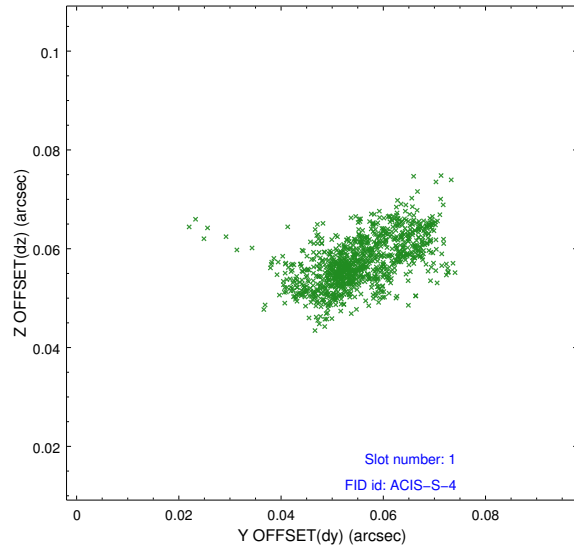


2.5 FID Slots

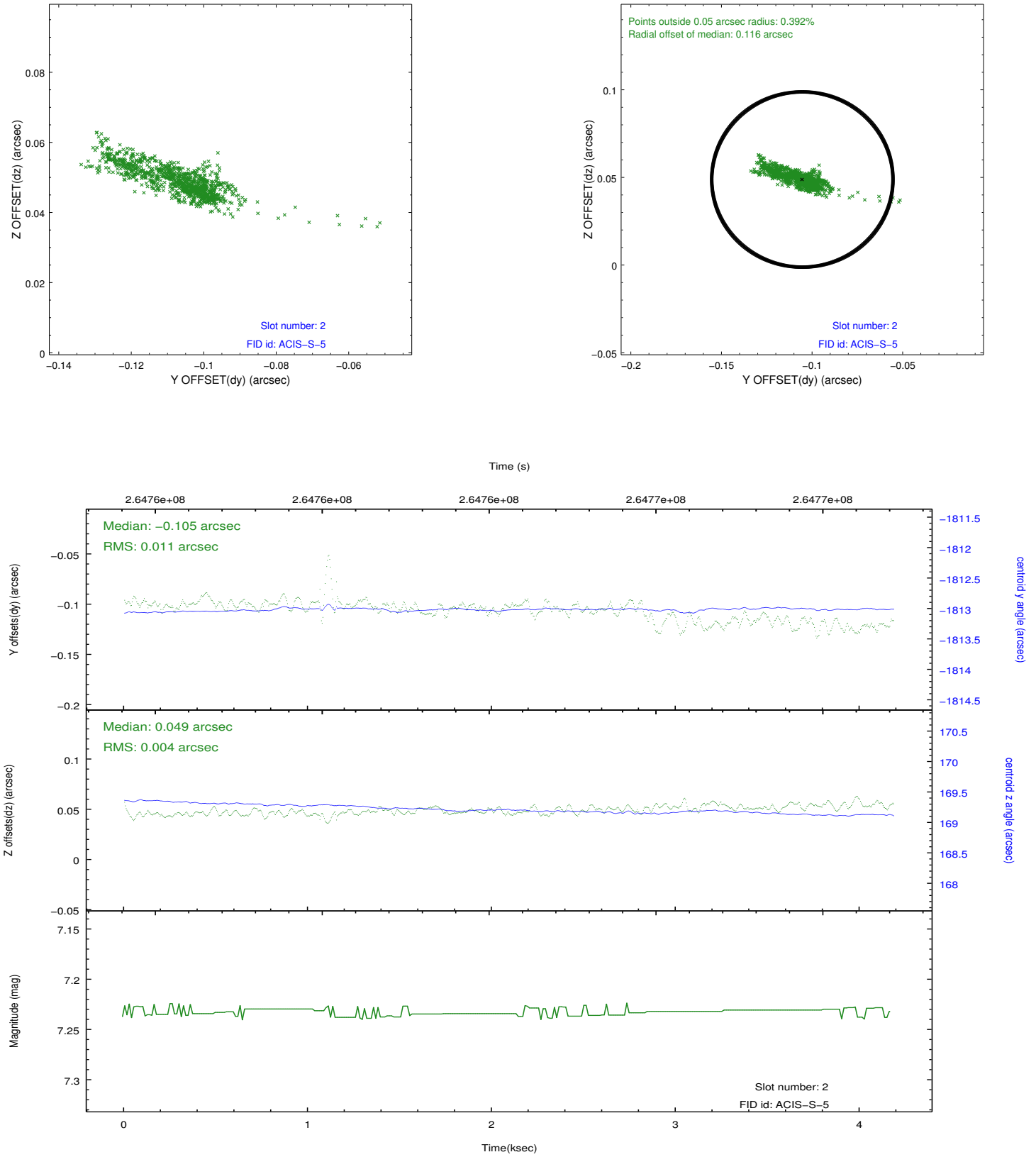
2.5.1 Slot 0



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