

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7738 - L2 Version 2
Chandra X-Ray Center

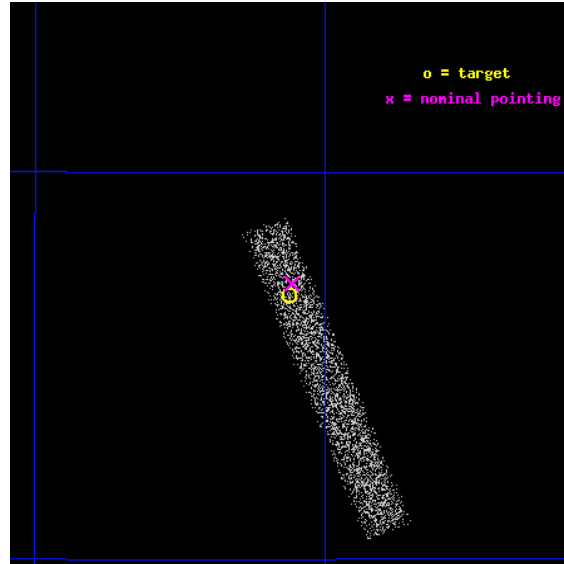
L2 Processing Date : May 7 2012

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

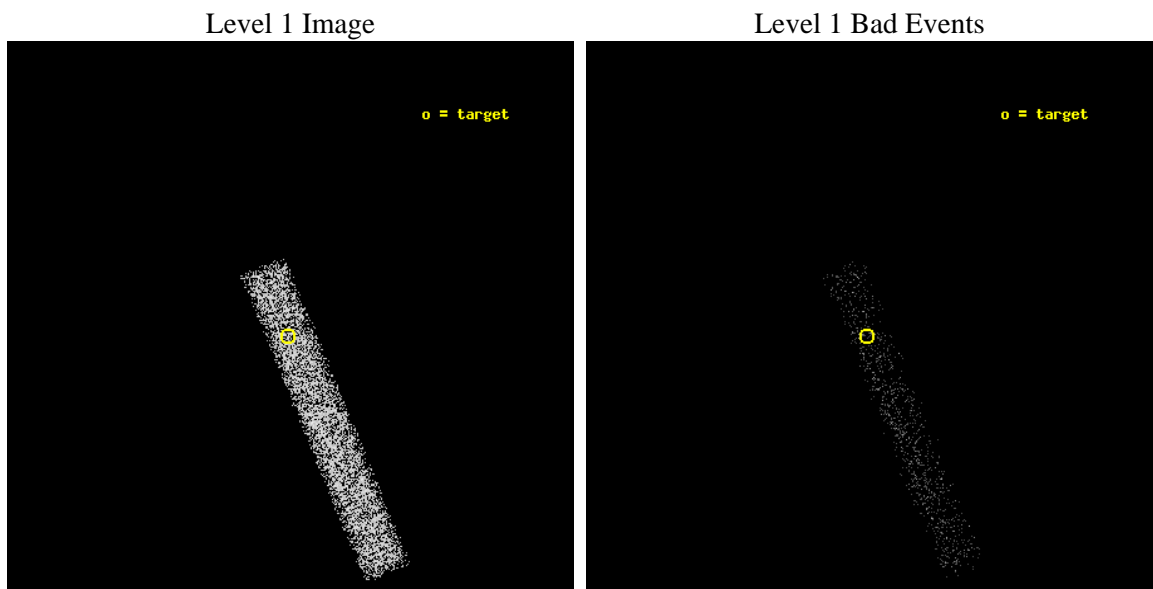
seq_num	701406	Sequence number
obs_id	7738	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes: Part II	
observer	Dr. Luis Ho	Principal investigator
object	SDSS J144507.30+593649.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.280417	Observer's specified target RA [deg]
dec_targ	59.613861	Observer's specified target Dec [deg]
ra_nom	221.27870078836	Nominal RA [deg]
dec_nom	59.618605219302	Nominal Dec [deg]
roll_nom	67.497938468686	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5193.1996904612	Sum of GTIs [s]
livetime	4709.9579996927	Livetime [s]
ontime7	5193.1996904612	Sum of GTIs [s]
l2events	4039	Number of level 2 events



2 OBI

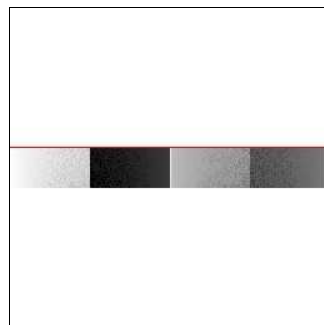
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



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	5193.1996904612	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5193.1996904612	Sum of GTIs [s]
date	2012-05-08T02:09:24	Date and time of file creation	l1events	9084	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

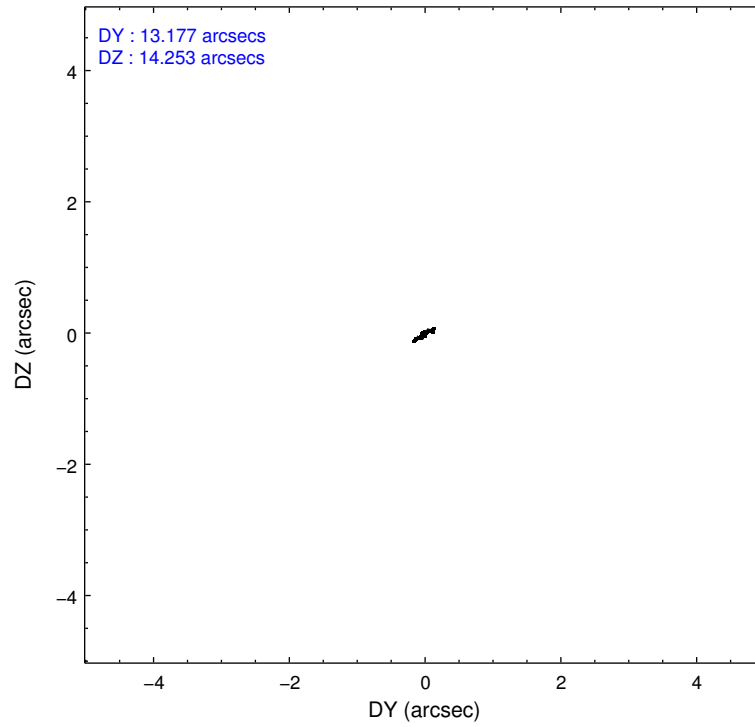
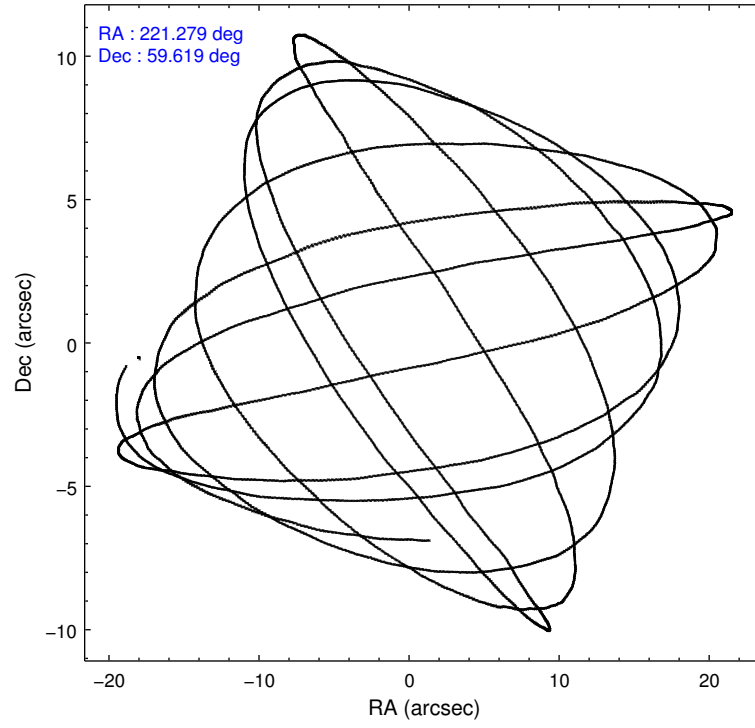
	ccd 7
level 1 events	9084
rejected events	4874
rejected %	53%

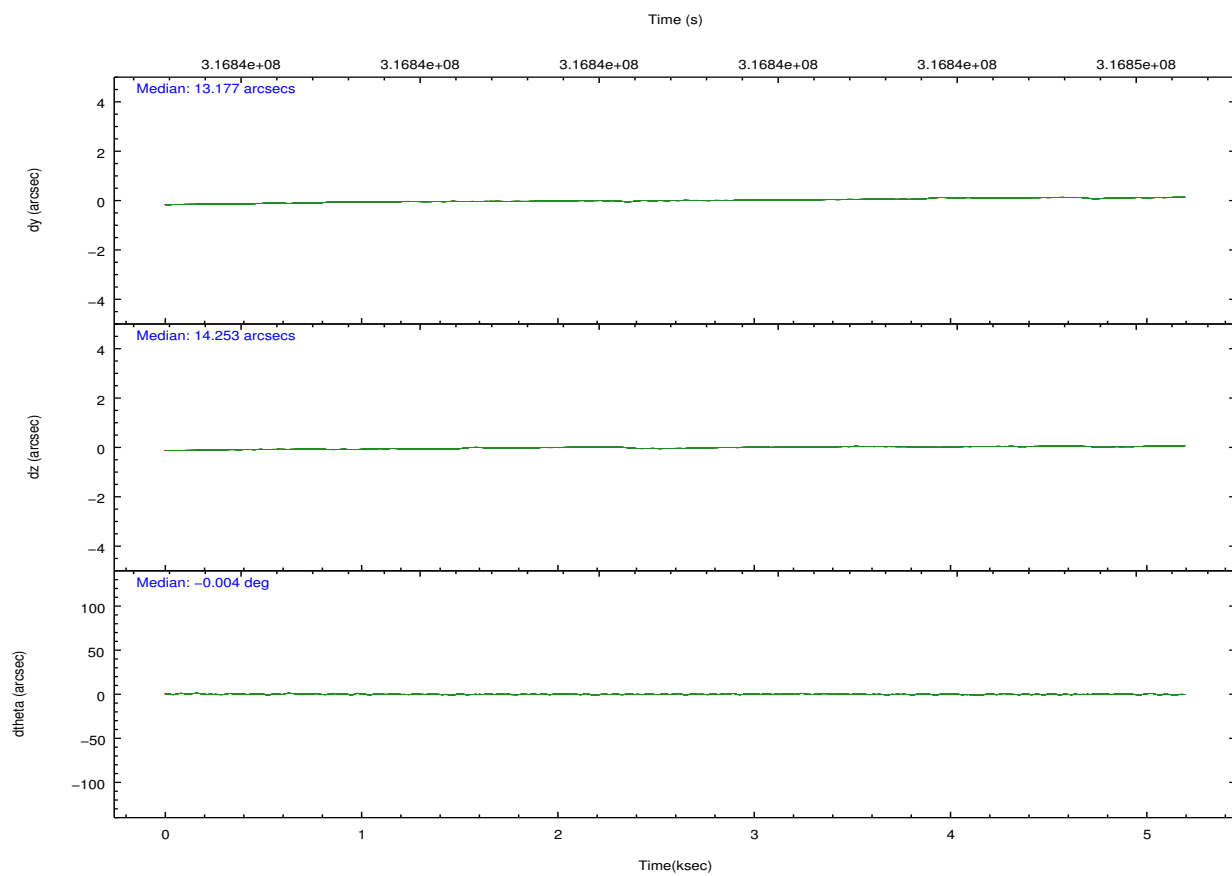
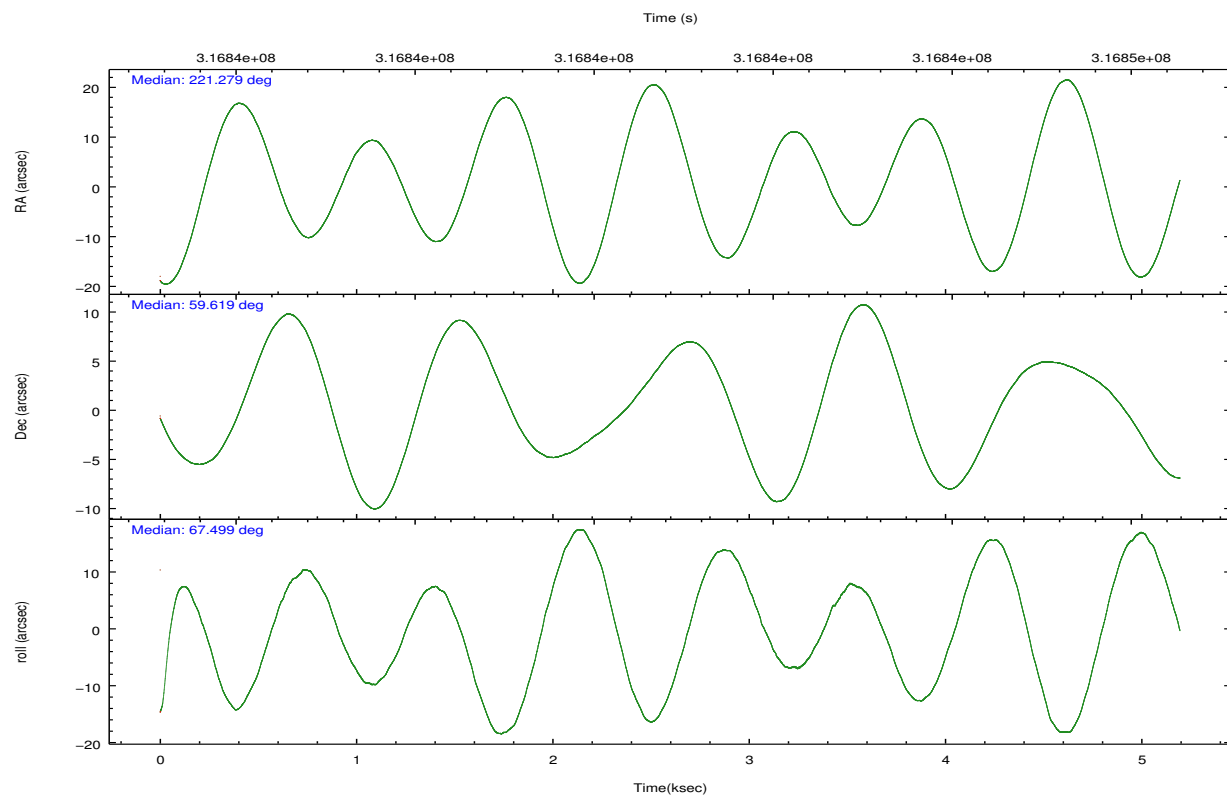
	ccd 7
grade 0 events	442
	4%
grade 1 events	18
	0%
grade 2 events	791
	8%
grade 3 events	560
	6%
grade 4 events	534
	5%
grade 5 events	814
	8%
grade 6 events	1905
	20%
grade 7 events	4020
	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	221.286667	221.2787007883562	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	59.591581	59.6186052193024	Subarray start row	449	449
[deg] Pointing Roll	67.334495	67.49793846868585	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	316841025.184000	316840379.86622			
Observation start date	2008-01-16T03:22:40	2008-01-16T03:12:59			
[s] Observation end time (MET)	316846025.184000	316846707.70402			
Observation end date	2008-01-16T04:46:00	2008-01-16T04:58:27			
Read mode	TIMED	TIMED			

2.3 Aspect



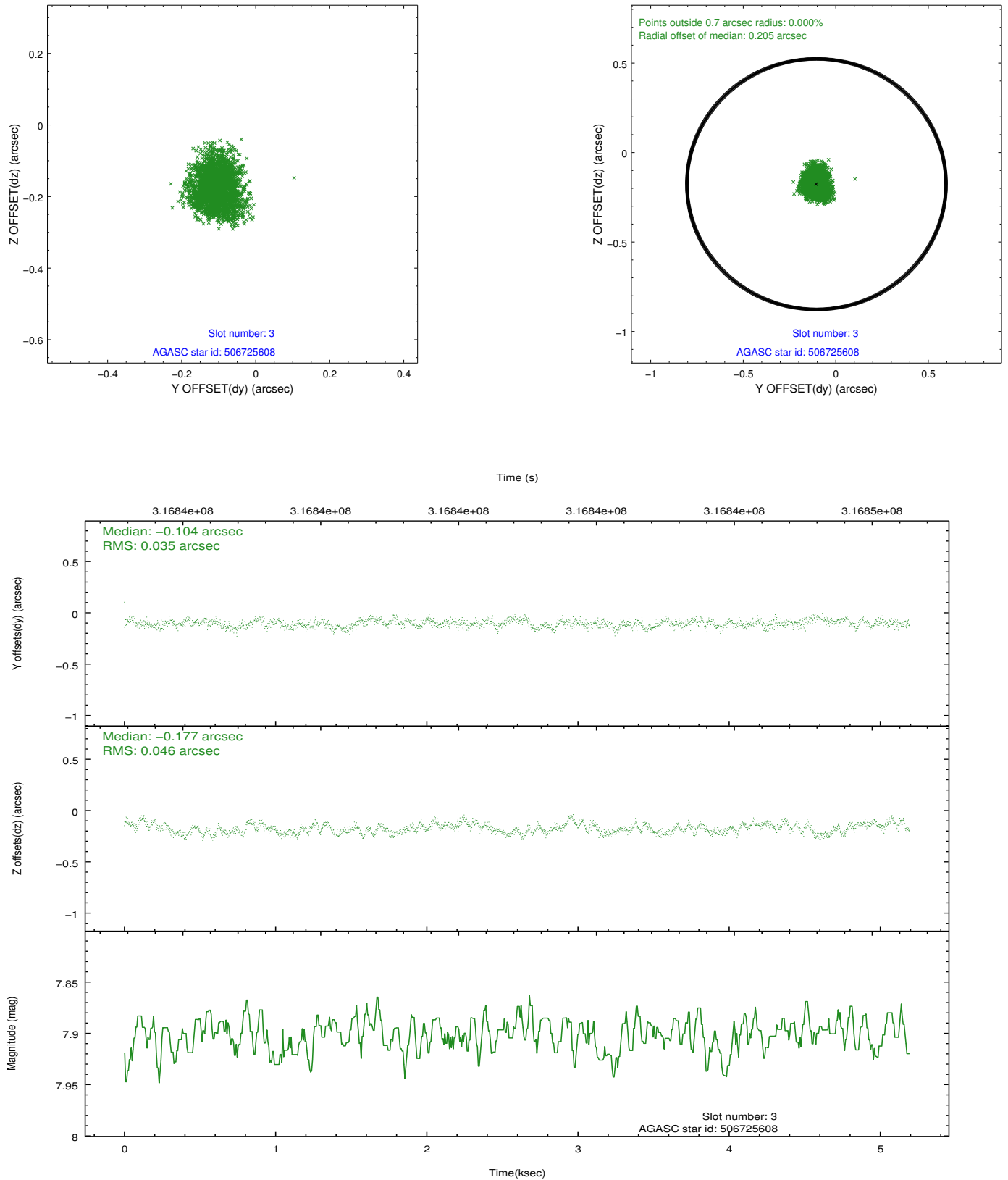


Slot Statistics

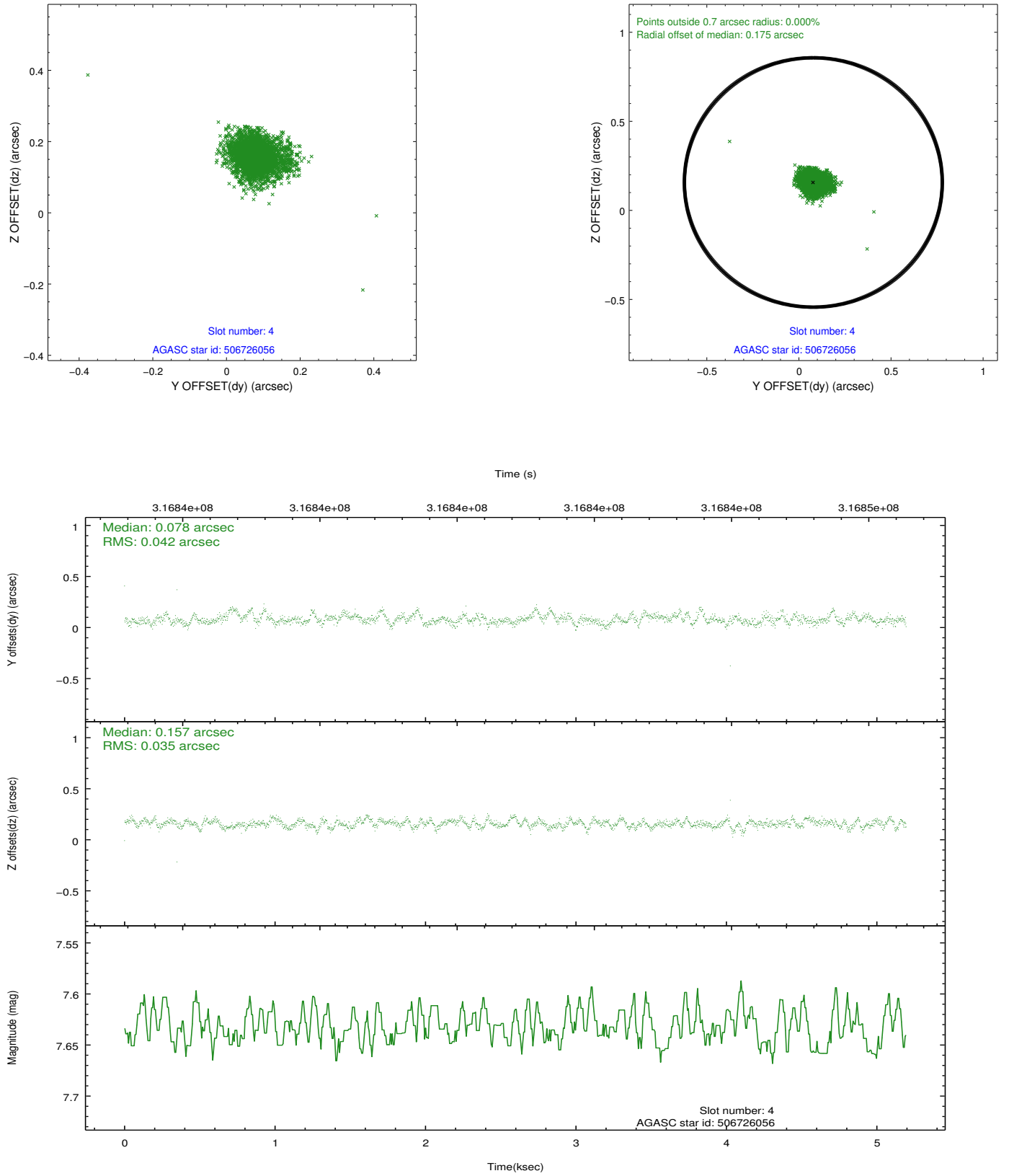
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1268	-0.048	-0.056	0.007	0.011	0.000000	0.000000	-766.13	-1735.61
1	FID	ACIS-S-4	7.19	1268	0.176	0.038	0.008	0.015	0.000000	0.000000	2146.82	171.78
2	FID	ACIS-S-5	7.22	1268	-0.159	0.026	0.007	0.011	0.000000	0.000000	-1817.61	166.74
3	GUIDE	506725608	7.90	2534	-0.104	-0.177	0.063	0.096	221.415327	59.985696	1398.98	332.70
4	GUIDE	506726056	7.63	2534	0.078	0.157	0.055	0.094	221.760522	59.710271	729.69	-628.34
5	GUIDE	506726712	9.49	2531	0.208	0.048	0.091	0.151	220.768187	59.042059	-2191.18	124.82
6	GUIDE	546974320	8.33	2535	-0.036	0.051	0.070	0.120	220.631622	60.230981	1677.76	1969.65
7	GUIDE	546976088	7.42	2534	-0.152	-0.075	0.052	0.085	221.143251	60.053745	1437.12	879.63

2.4 Star Slots

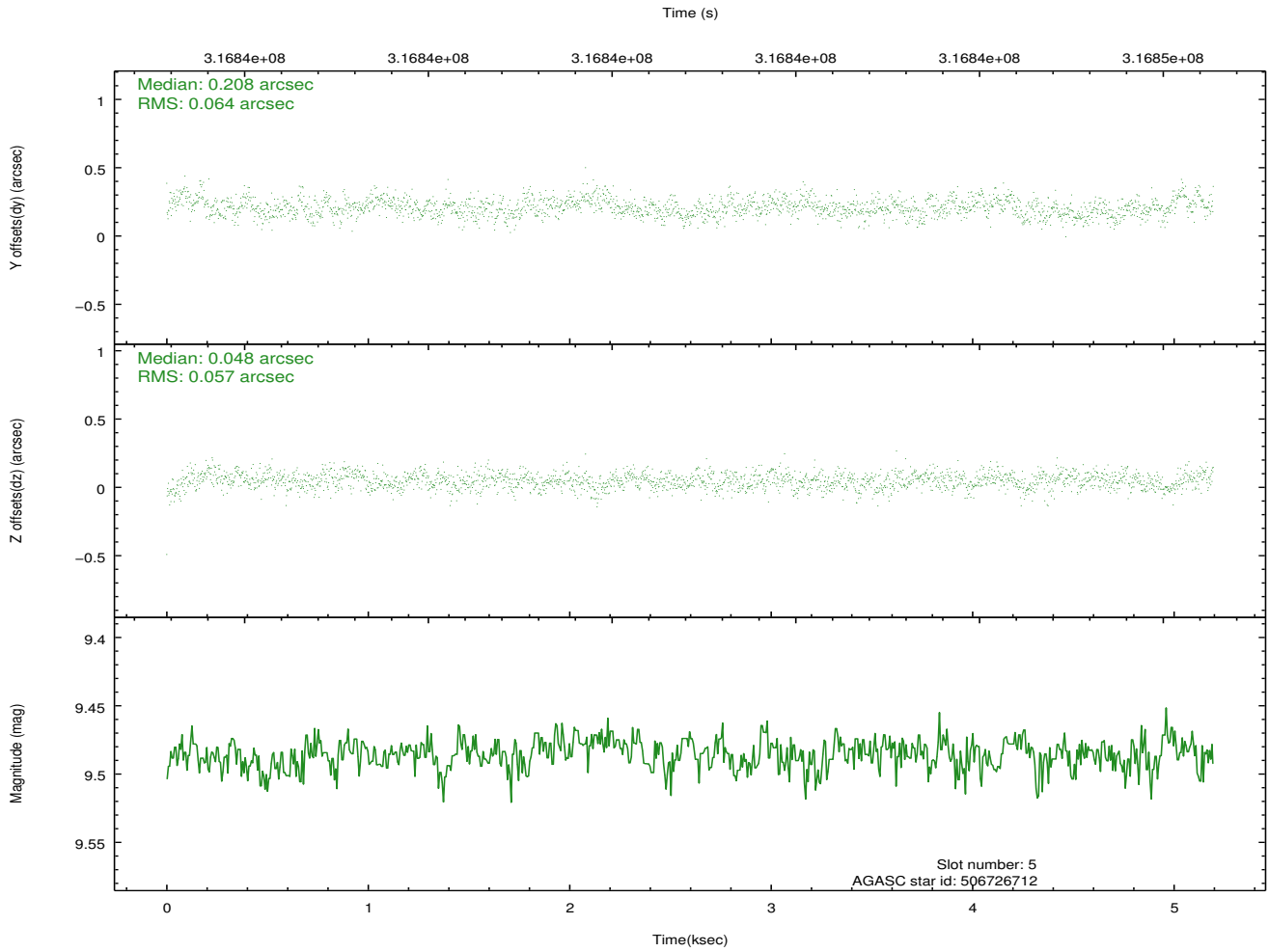
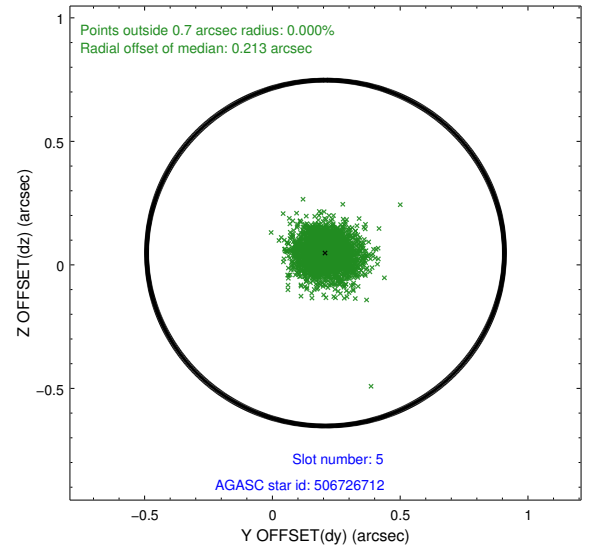
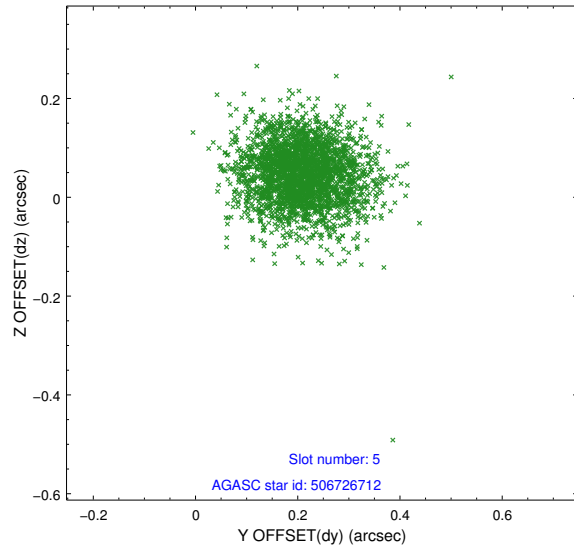
2.4.1 Slot 3



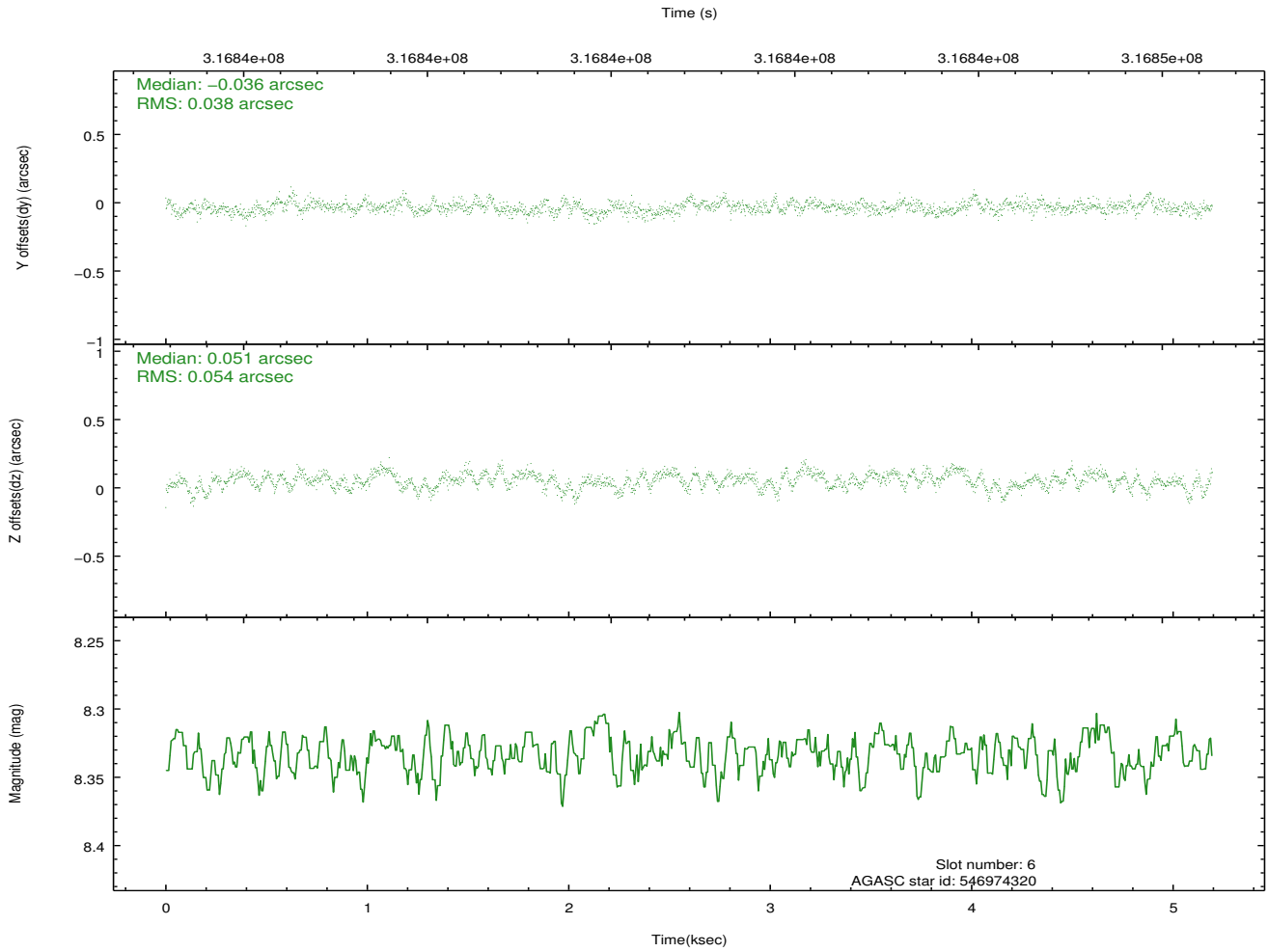
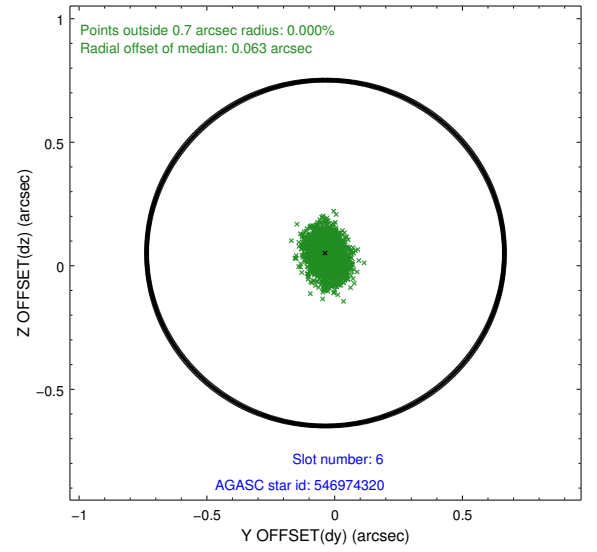
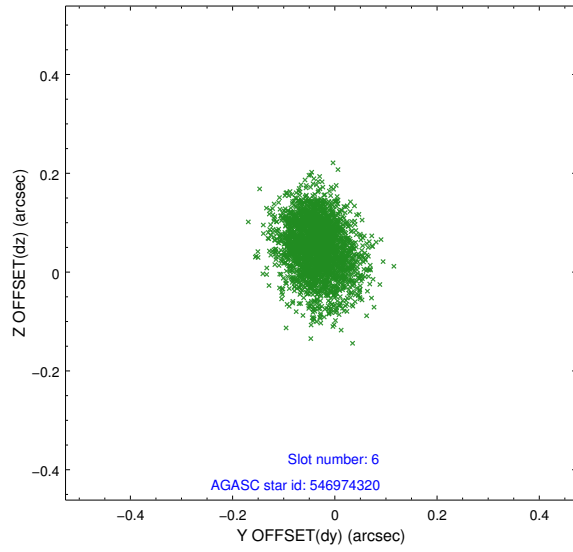
2.4.2 Slot 4



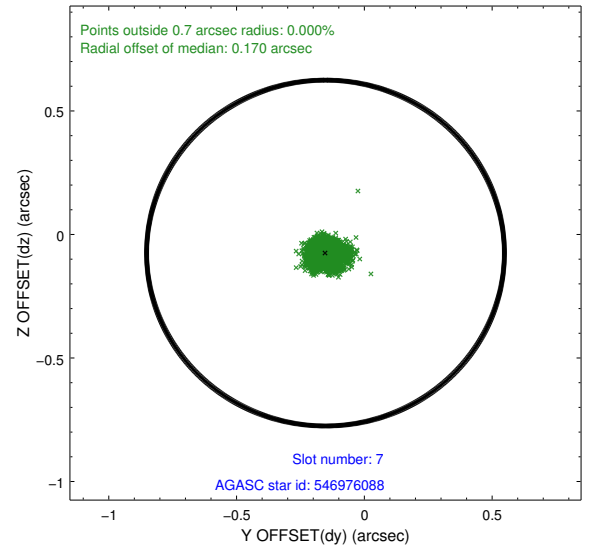
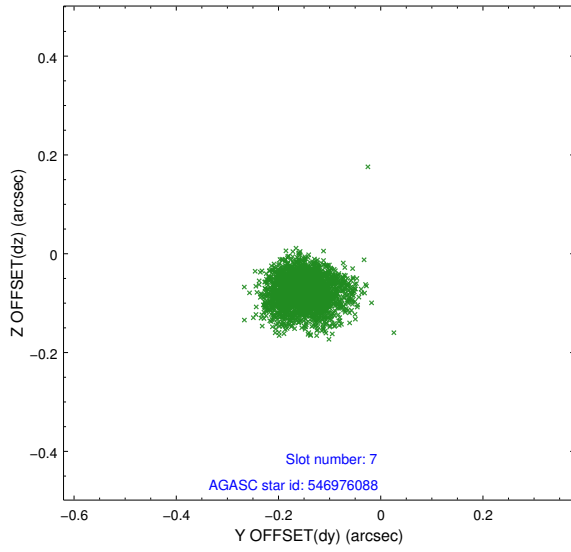
2.4.3 Slot 5



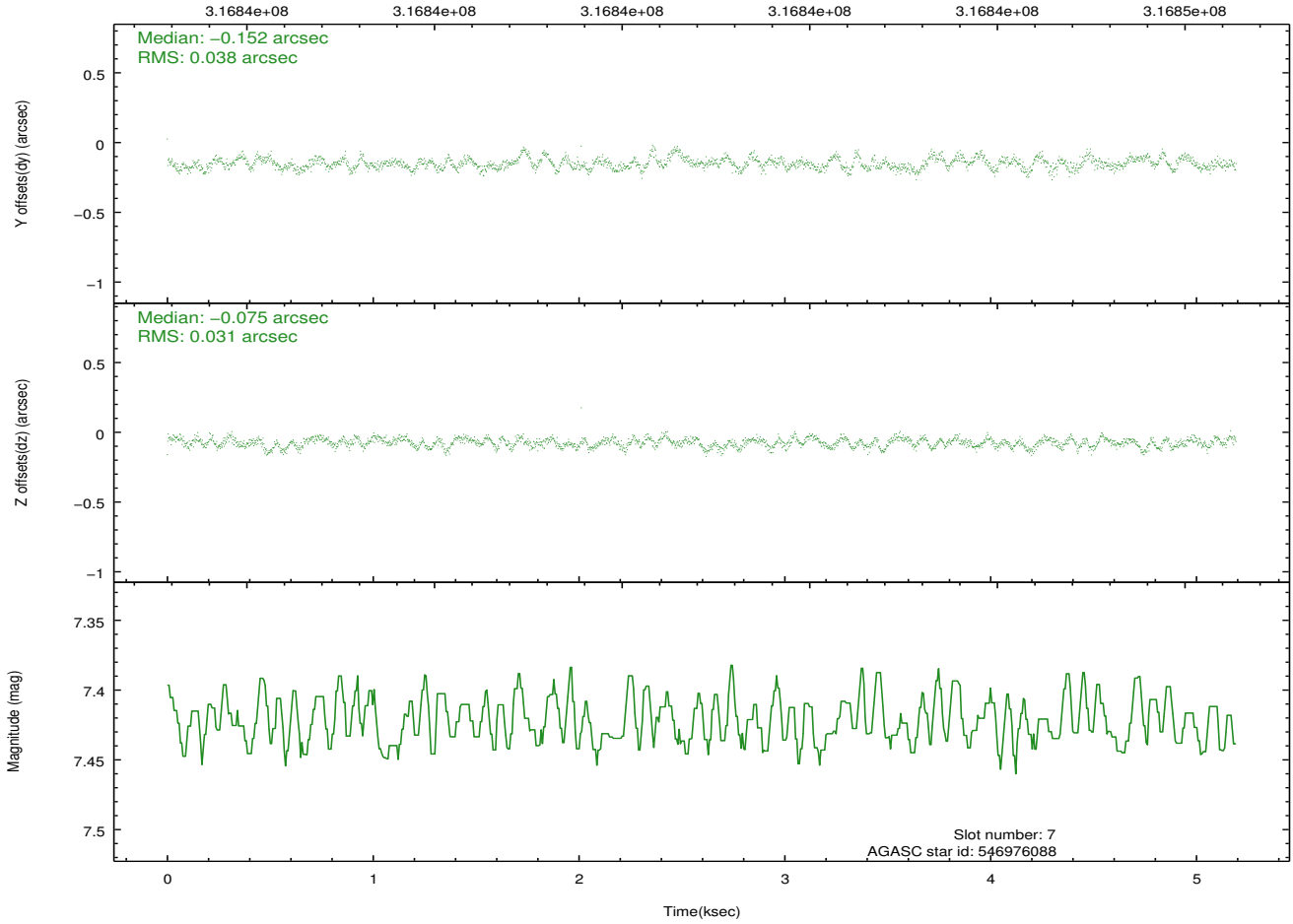
2.4.4 Slot 6



2.4.5 Slot 7

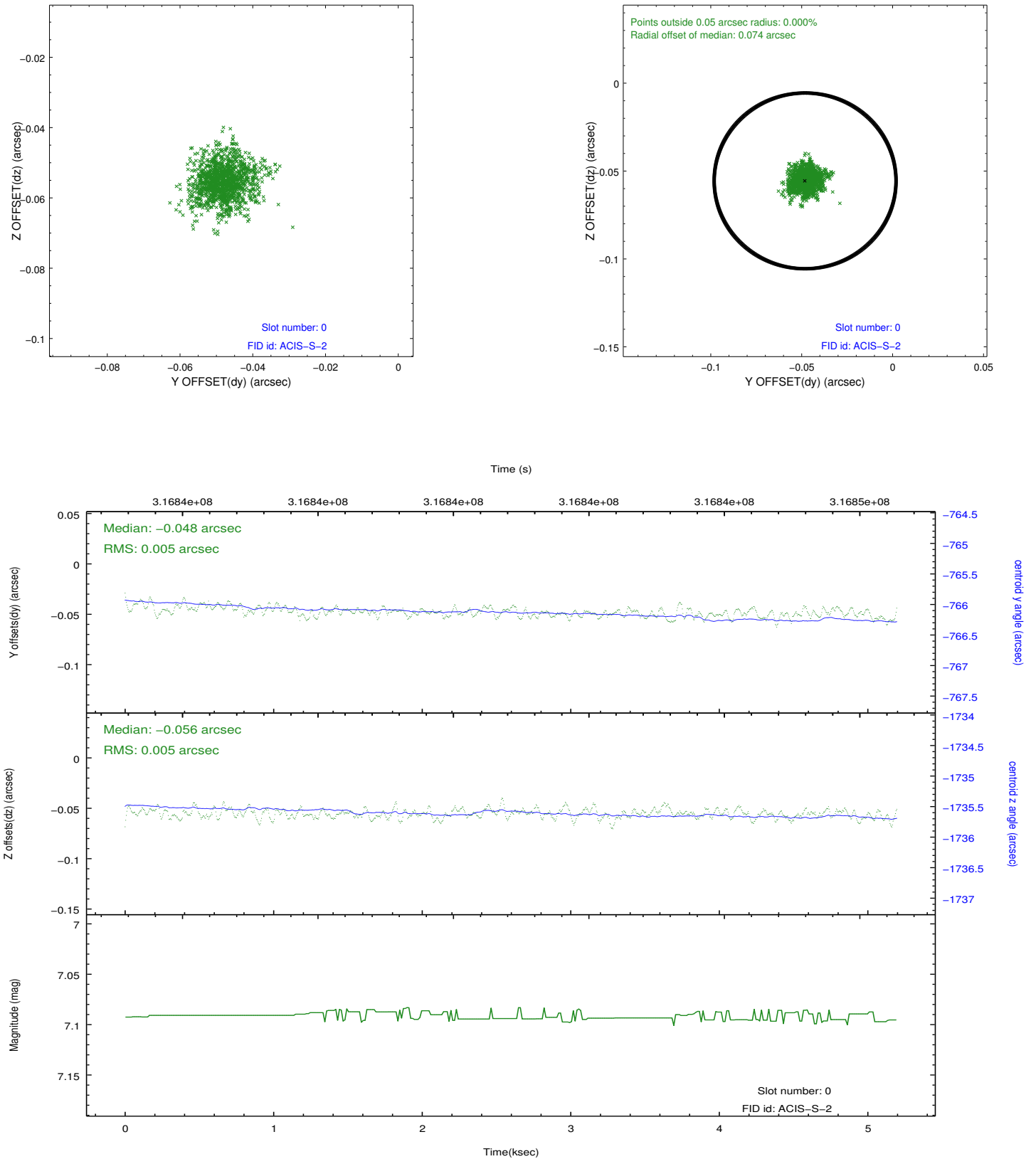


Time (s)

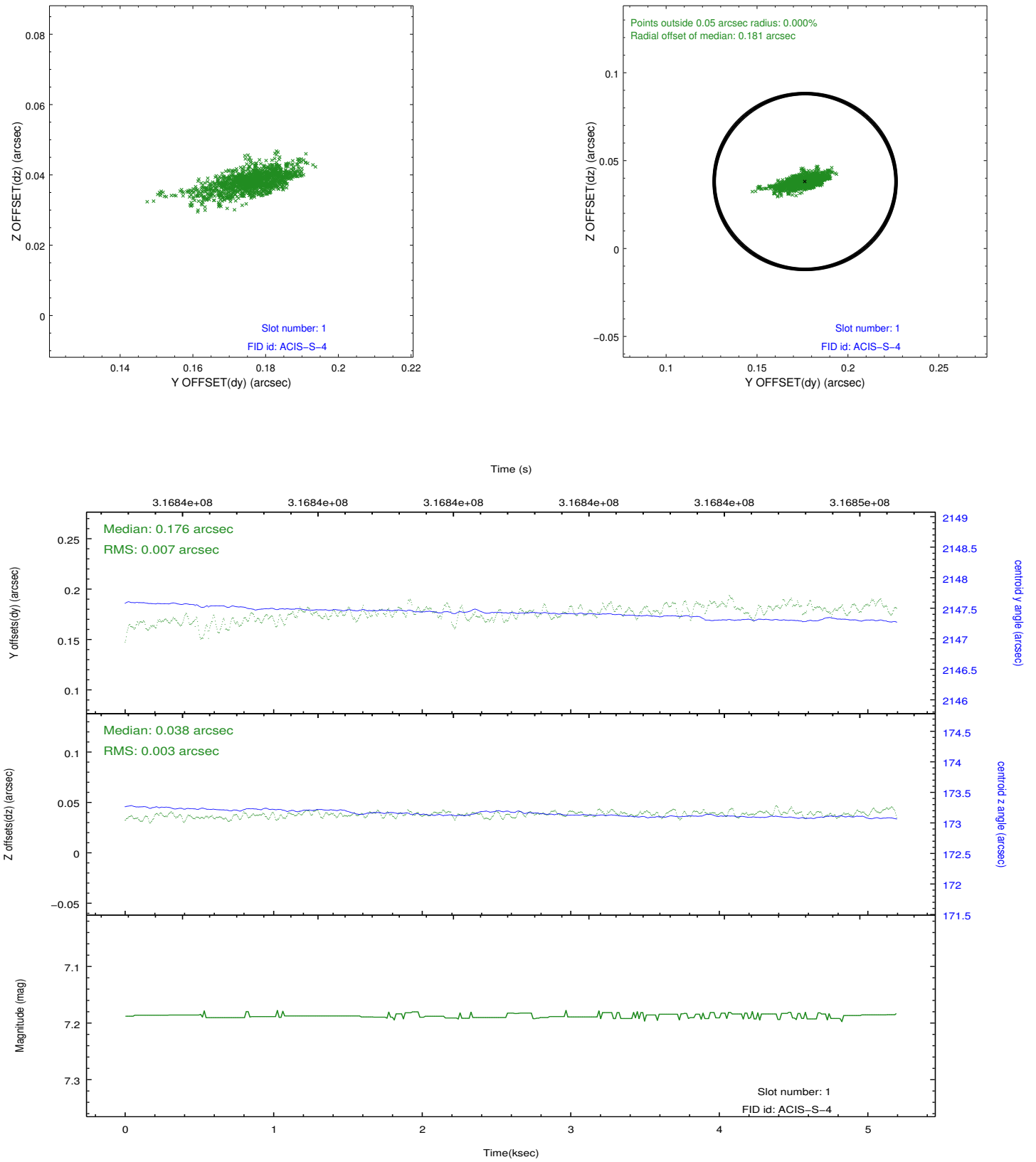


2.5 FID Slots

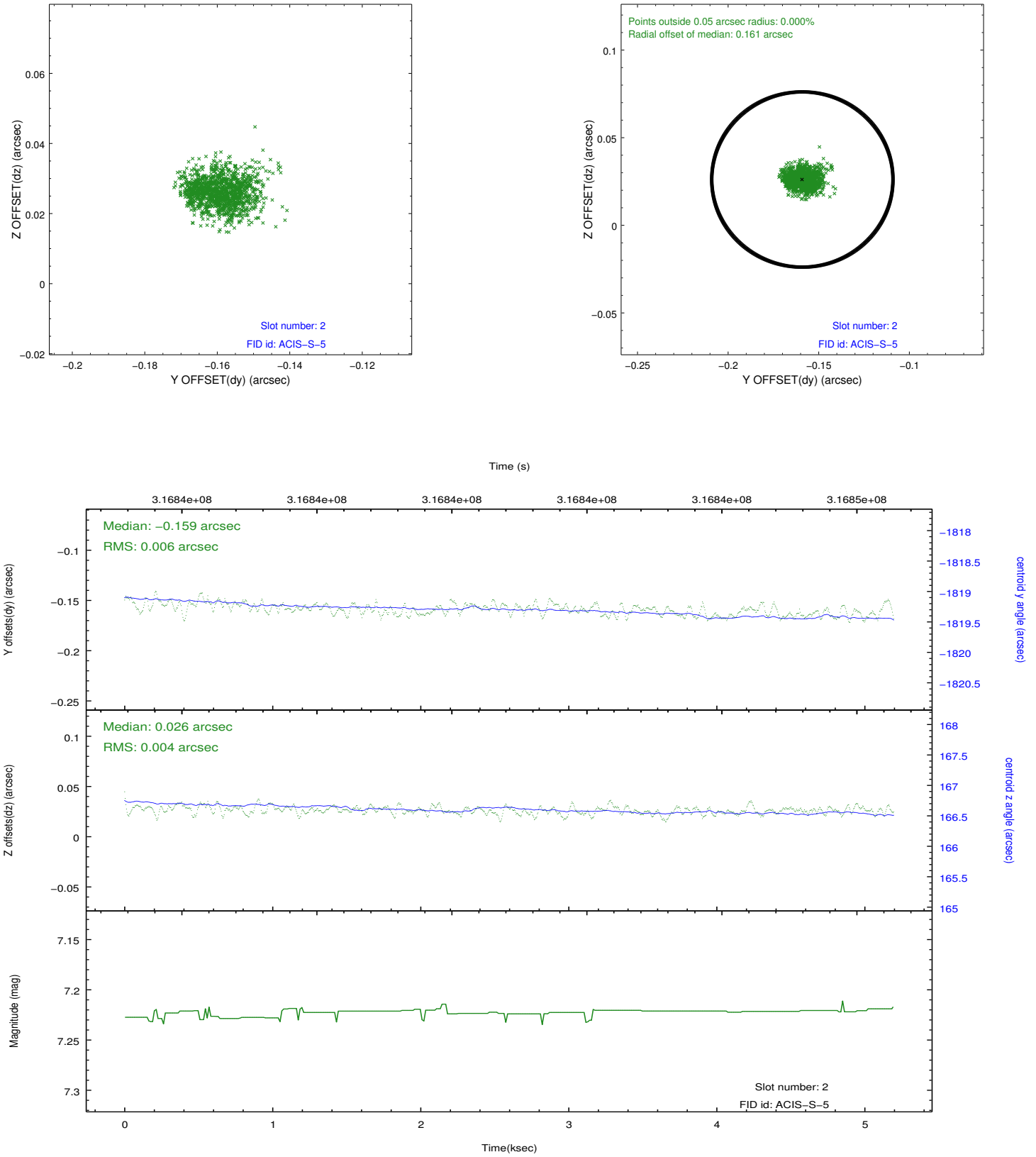
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.19319969

A.2 Comments