

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 401 - L2 Version 4
Chandra X-Ray Center

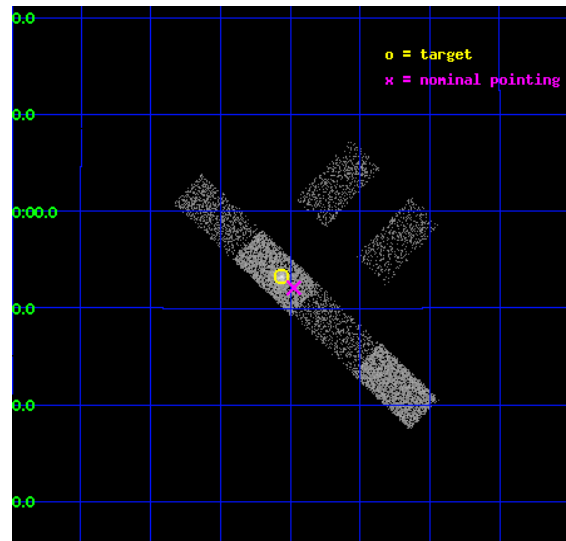
L2 Processing Date : Jan 14 2013

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

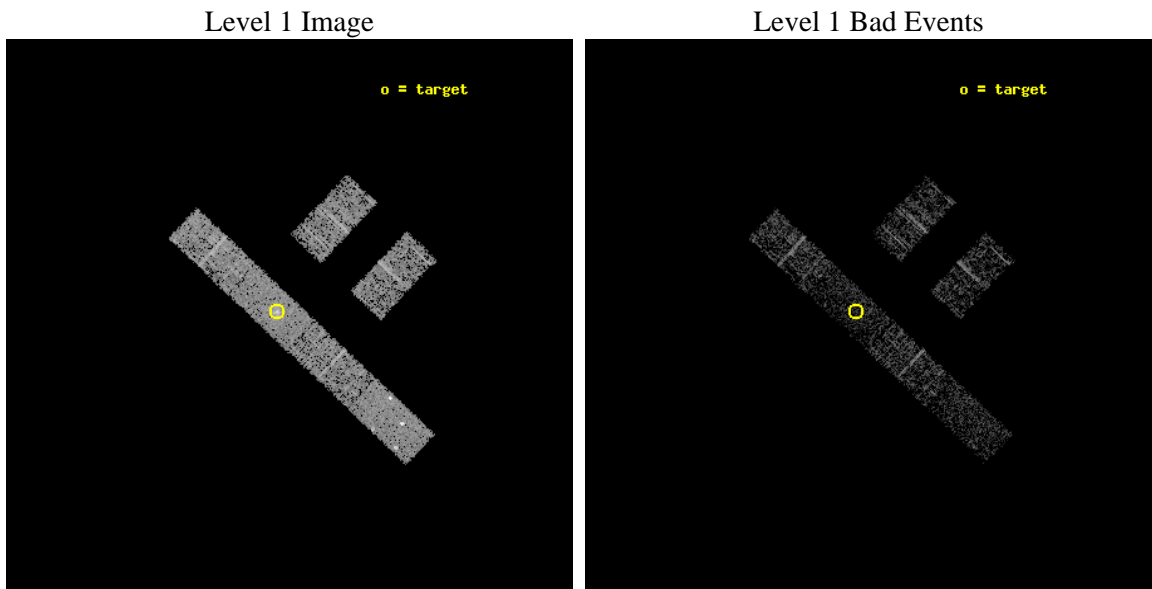
seq_num	700073	Sequence number
obs_id	401	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Professor Gordon Garmire	Principal investigator
object	NGC 4374	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.266667	Observer's specified target RA [deg]
dec_targ	12.887222	Observer's specified target Dec [deg]
ra_nom	186.24342987433	Nominal RA [deg]
dec_nom	12.868345137153	Nominal Dec [deg]
roll_nom	223.27075181331	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1705.8652035296	Sum of GTIs [s]
livetime	1667.8384860477	Livetime [s]
ontime2	1707.6241137087	Sum of GTIs [s]
ontime3	1707.5420337021	Sum of GTIs [s]
ontime5	1707.6651536971	Sum of GTIs [s]
ontime6	1705.7420636266	Sum of GTIs [s]
ontime7	1705.8652035296	Sum of GTIs [s]
ontime8	1707.7472337037	Sum of GTIs [s]
l2events	11127	Number of level 2 events



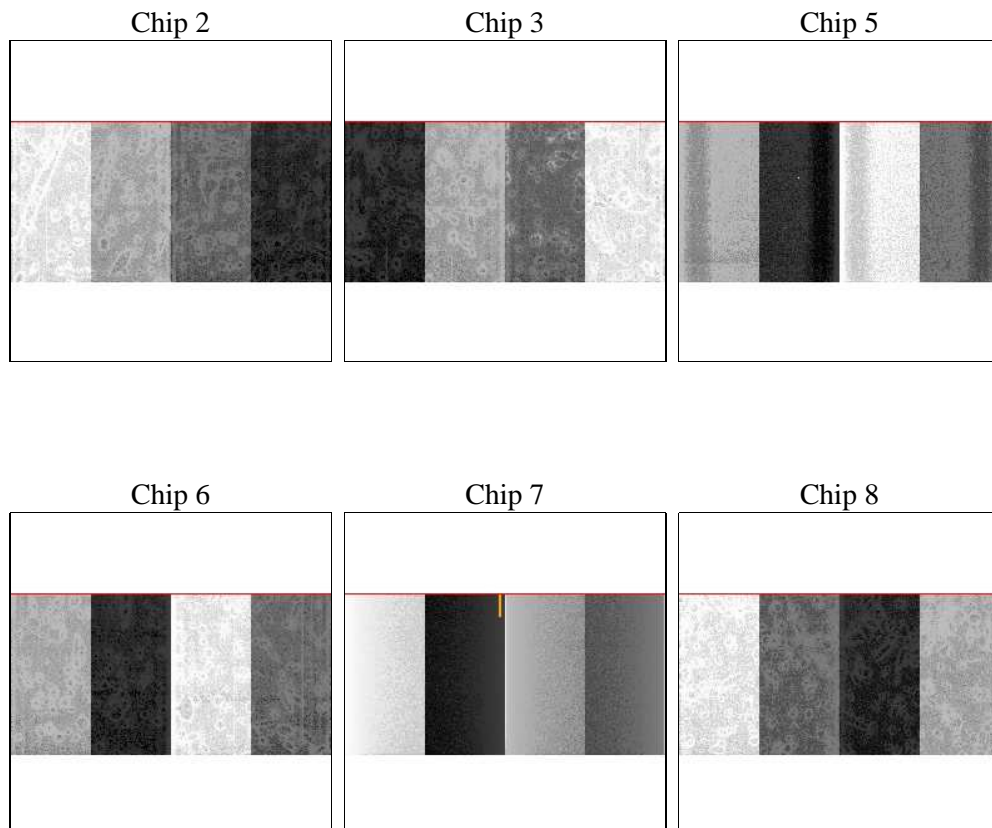
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2270.023000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	1705.8652035296	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	1707.6241137087	Sum of GTIs [s]
date	2013-01-15T00:55:09	Date and time of file creation	ontime3	1707.5420337021	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1707.6651536971	Sum of GTIs [s]
			ontime6	1705.7420636266	Sum of GTIs [s]
			ontime7	1705.8652035296	Sum of GTIs [s]
			ontime8	1707.7472337037	Sum of GTIs [s]
			l1events	50164	Number of level 1 events

2.1.4 Events

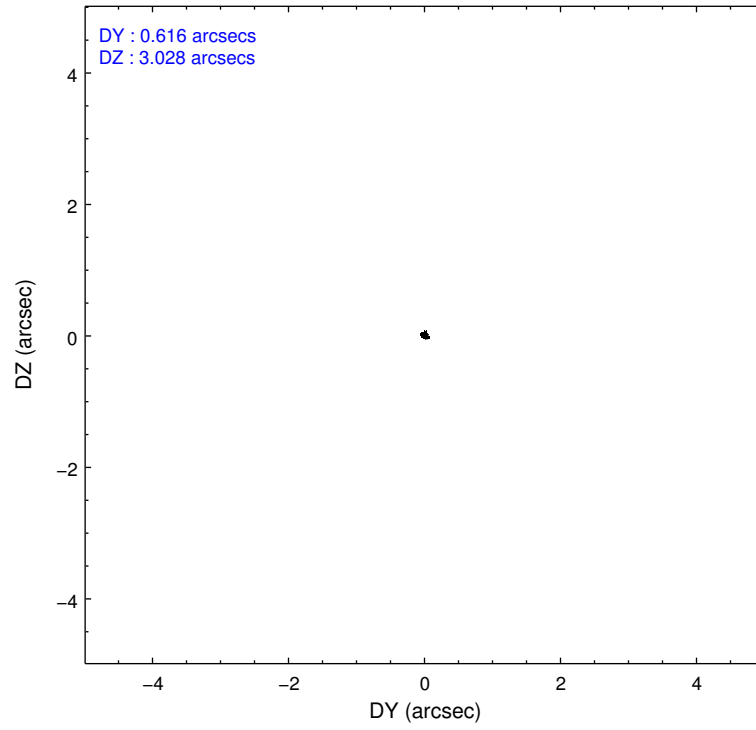
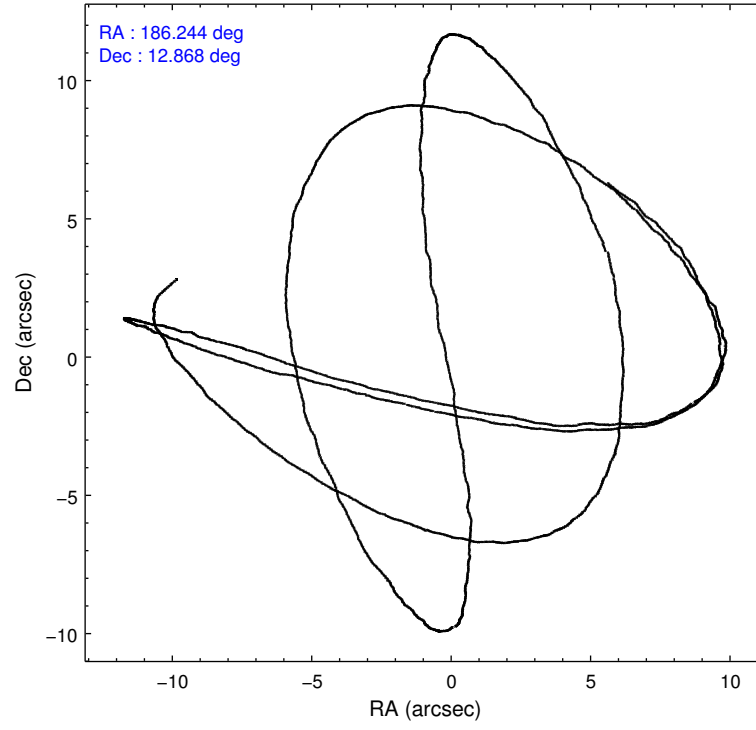
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6867	7482	10365	7427	8787	9236
rejected events	6107	6681	4359	6543	4215	7219
rejected %	88%	89%	42%	88%	47%	78%

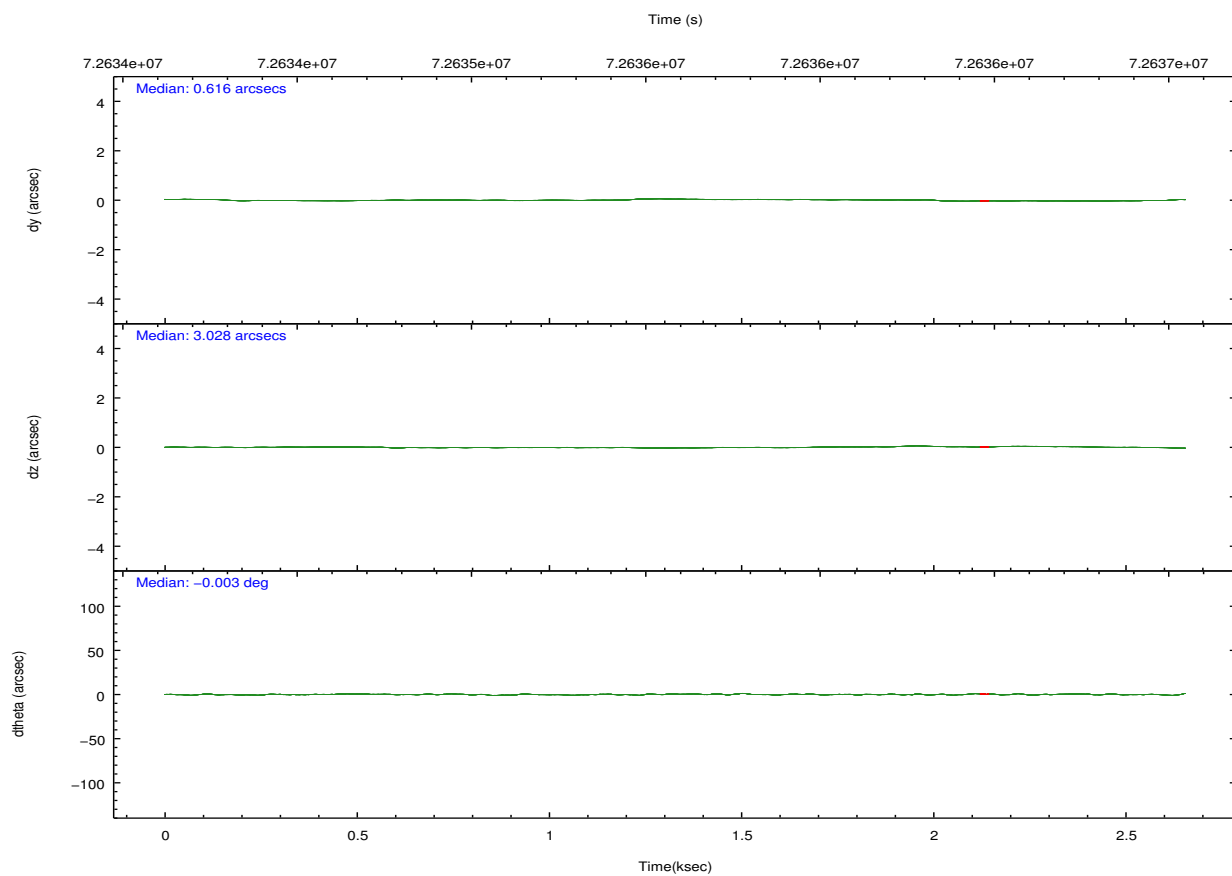
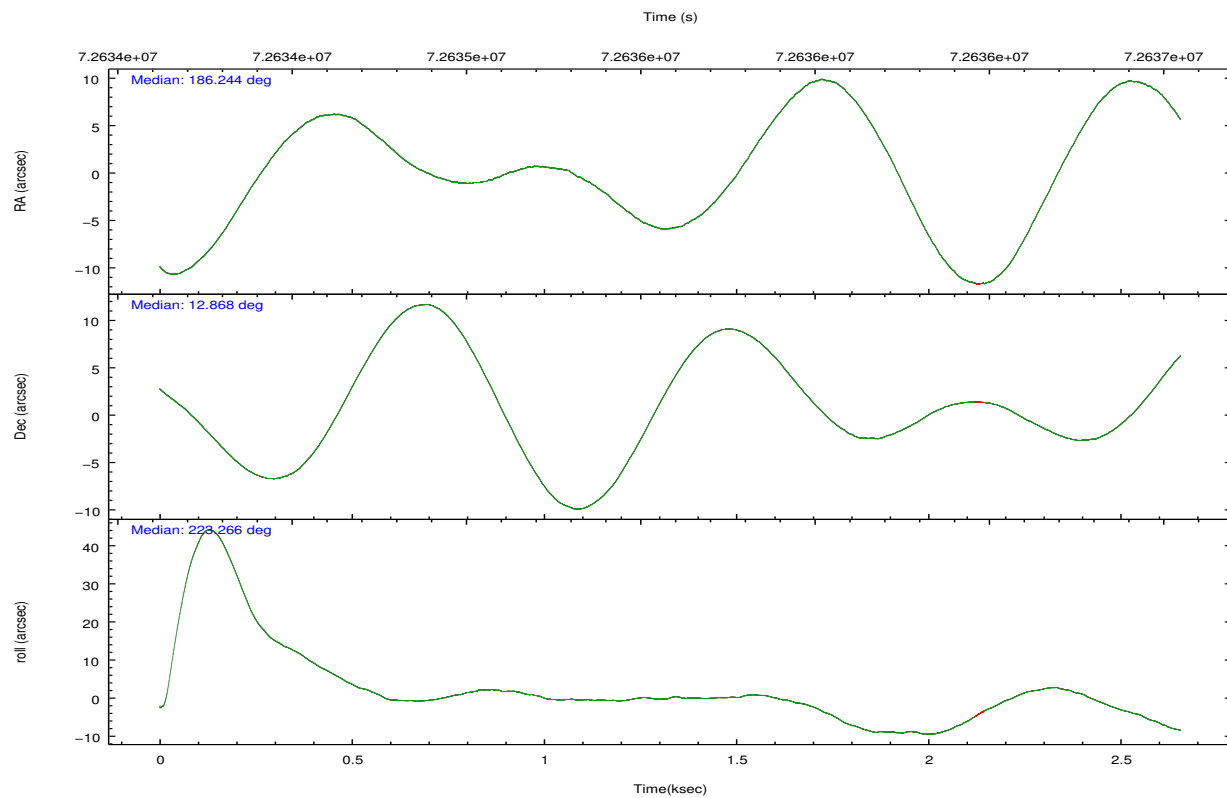
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	342	385	2438	422	861	876
	4%	5%	23%	5%	9%	9%
grade 1 events	6	0	7	1	5	4
	0%	0%	0%	0%	0%	0%
grade 2 events	147	124	1394	138	1010	382
	2%	1%	13%	1%	11%	4%
grade 3 events	79	101	202	93	455	166
	1%	1%	1%	1%	5%	1%
grade 4 events	84	84	236	102	510	174
	1%	1%	2%	1%	5%	1%
grade 5 events	154	214	653	225	718	295
	2%	2%	6%	3%	8%	3%
grade 6 events	115	115	1830	135	1806	449
	1%	1%	17%	1%	20%	4%
grade 7 events	5940	6459	3605	6311	3422	6890
	86%	86%	34%	84%	38%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	186.251436	186.2434298743313	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	12.894792	12.86834513715297	Subarray start row	255	255
[deg] Pointing Roll	223.112297	223.2707518133108	Subarray row count	512	512
[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	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	72634645.184000	72634036.25060301			
Observation start date	2000-04-20T16:16:21	2000-04-20T16:07:16			
[s] Observation end time (MET)	72636915.184000	72637225.02572			
Observation end date	2000-04-20T16:54:11	2000-04-20T17:00:25			
Read mode	TIMED	TIMED			

2.3 Aspect



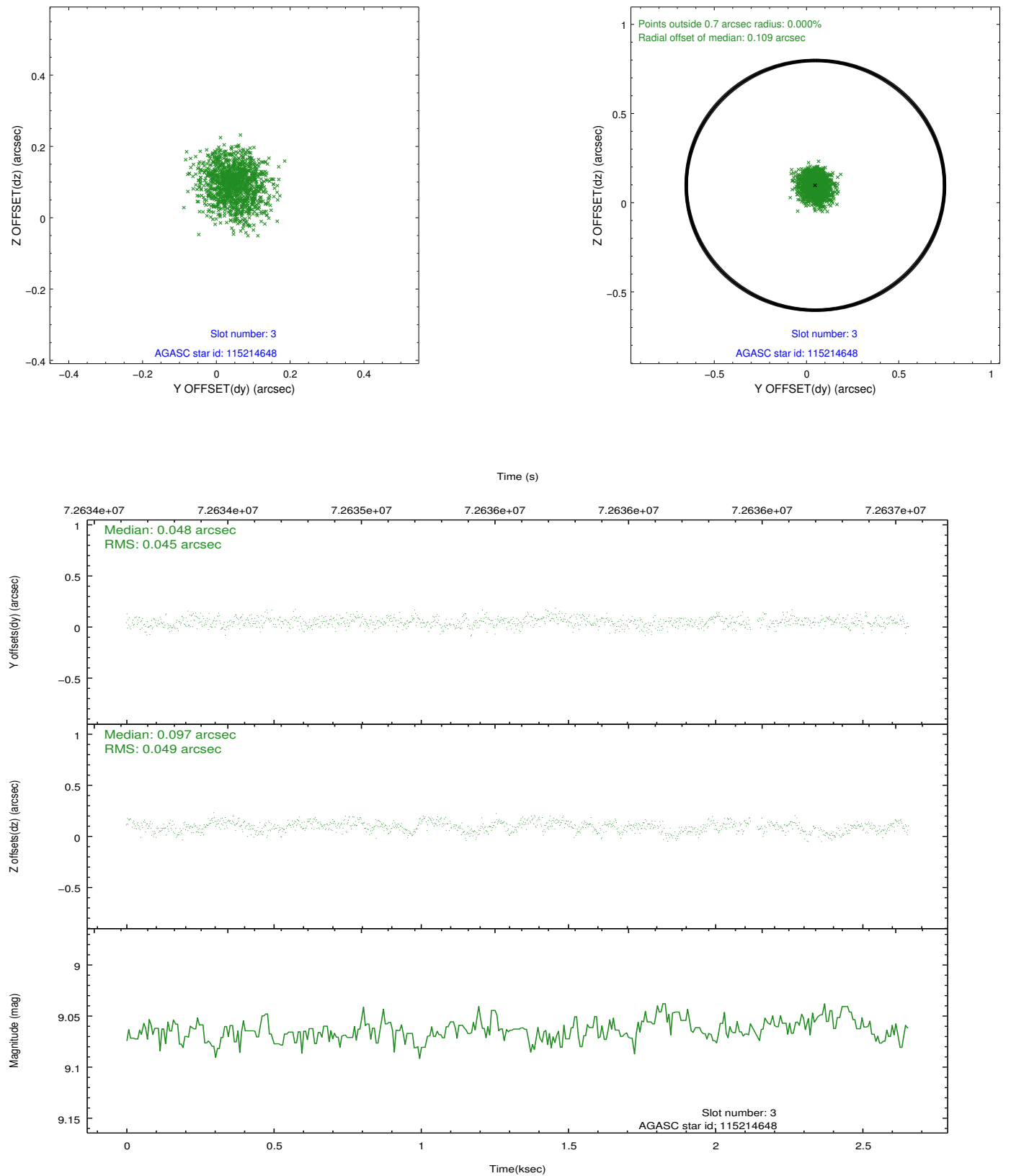


Slot Statistics

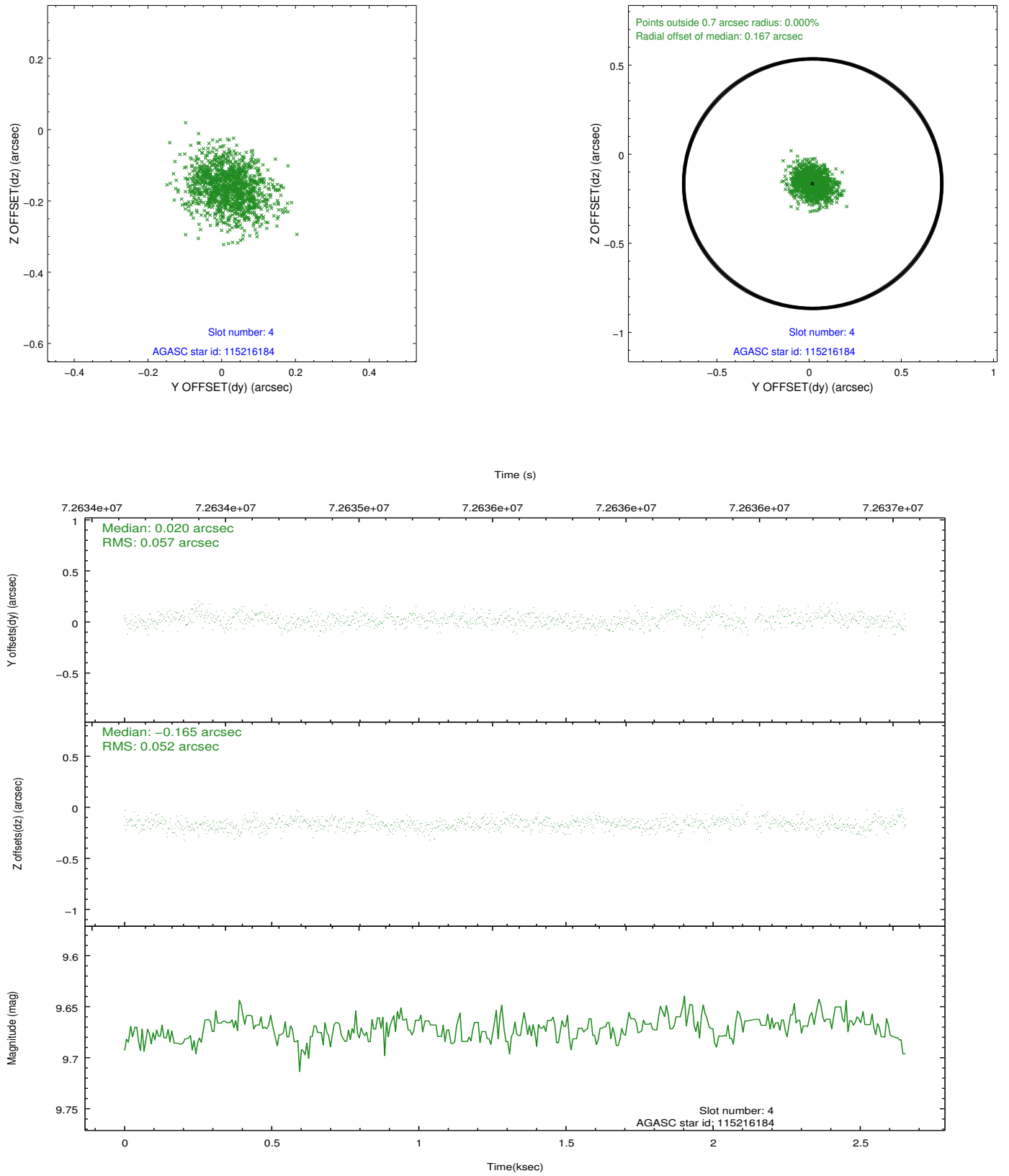
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	631	-0.007	-0.010	0.008	0.012	0.000000	0.000000	-753.24	-1724.03
1	FID	ACIS-S-4	7.21	603	0.024	0.006	0.009	0.015	0.000000	0.000000	2158.93	181.70
2	FID	ACIS-S-5	6.99	615	-0.048	0.012	0.007	0.012	0.000000	0.000000	-1802.77	178.45
3	GUIDE	115214648	9.06	1228	0.048	0.097	0.073	0.113	185.771147	12.685188	1747.73	-603.63
4	GUIDE	115216184	9.67	1255	0.020	-0.165	0.082	0.135	185.973150	12.580247	1490.35	156.78
5	GUIDE	115349744	10.35	1233	-0.024	-0.028	0.152	0.234	186.878186	12.752529	-1255.66	1875.24
6	GUIDE	115215984	9.99	1264	-0.006	0.064	0.101	0.162	186.134733	12.875031	348.15	-227.17
7	GUIDE	115215968	10.23	1263	-0.025	0.037	0.118	0.187	186.327588	13.159527	-844.38	-514.23

2.4 Star Slots

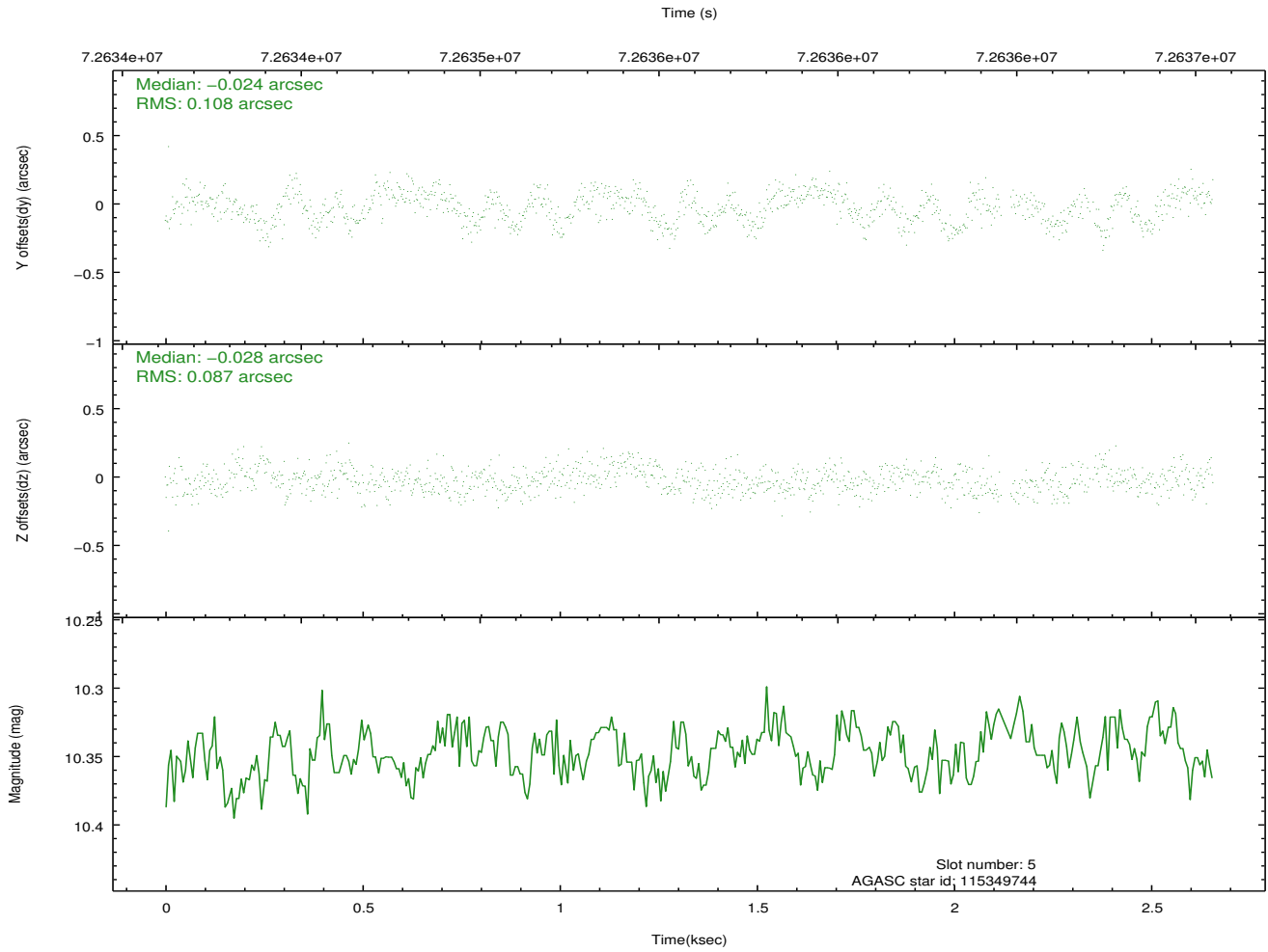
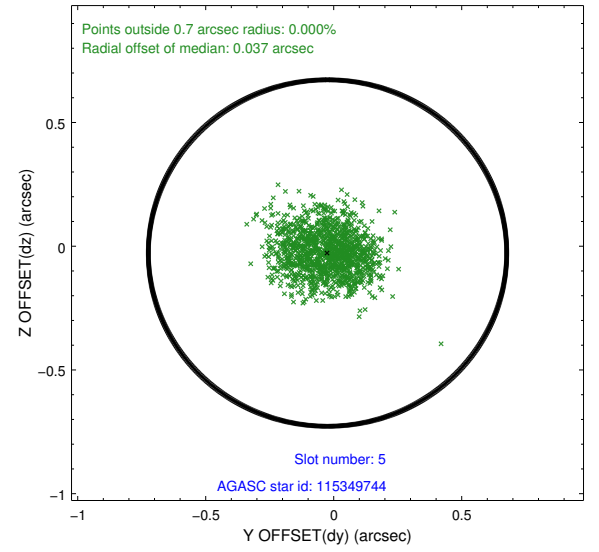
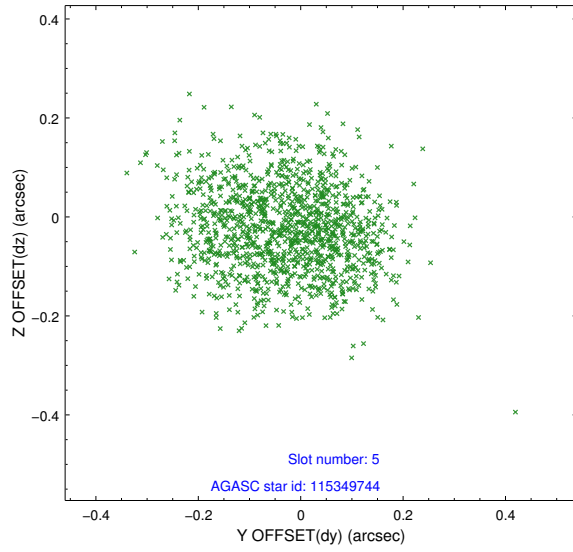
2.4.1 Slot 3



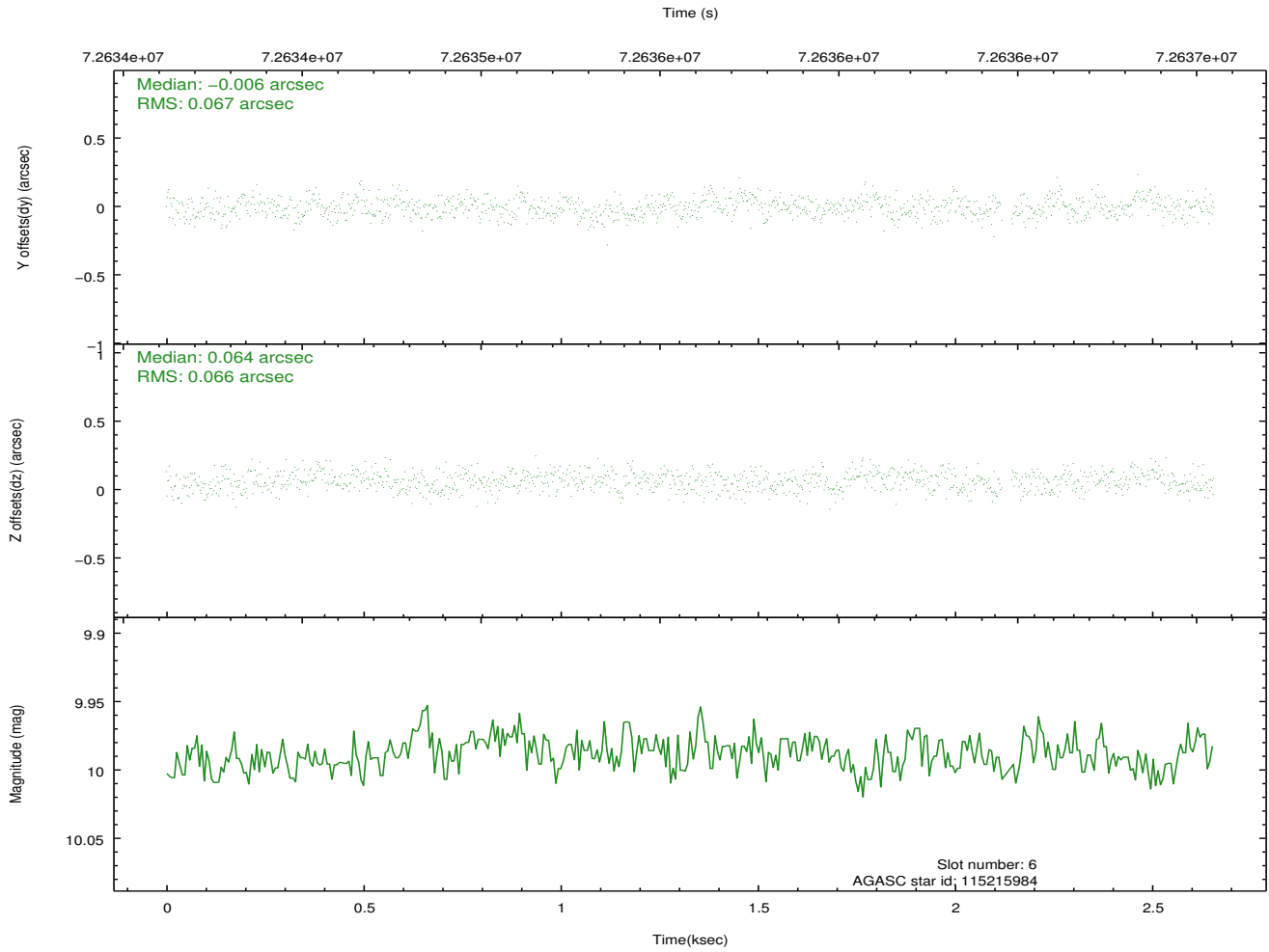
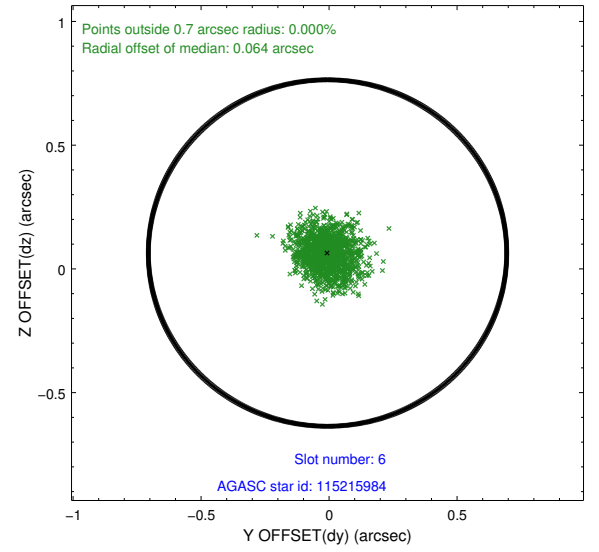
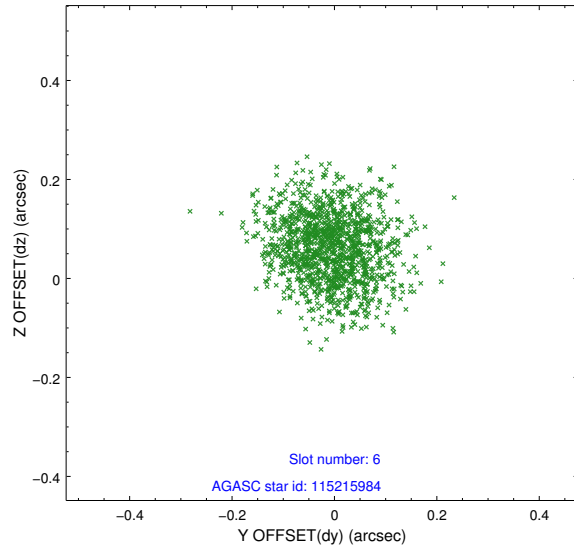
2.4.2 Slot 4



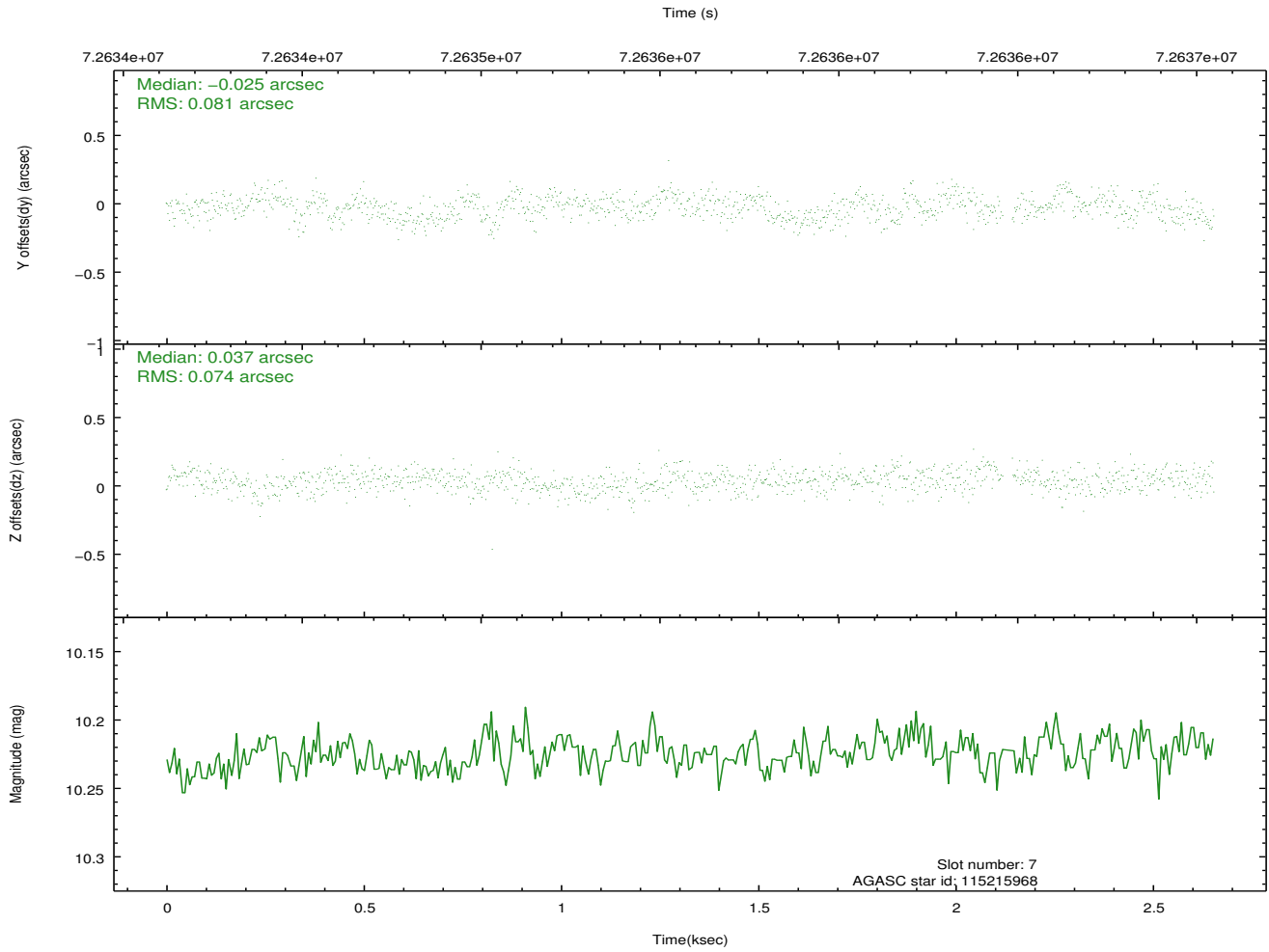
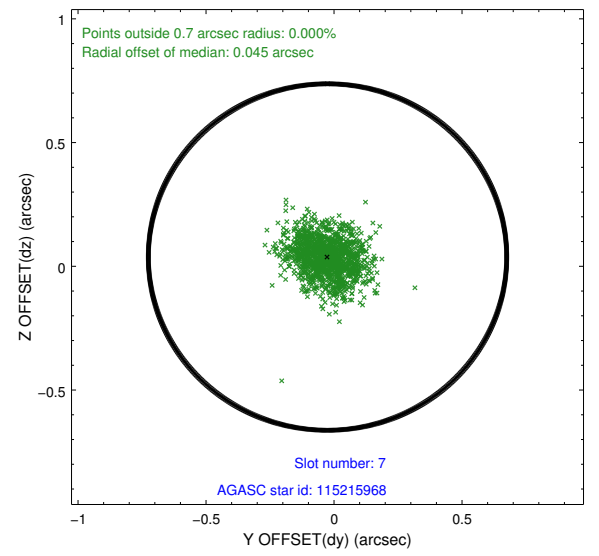
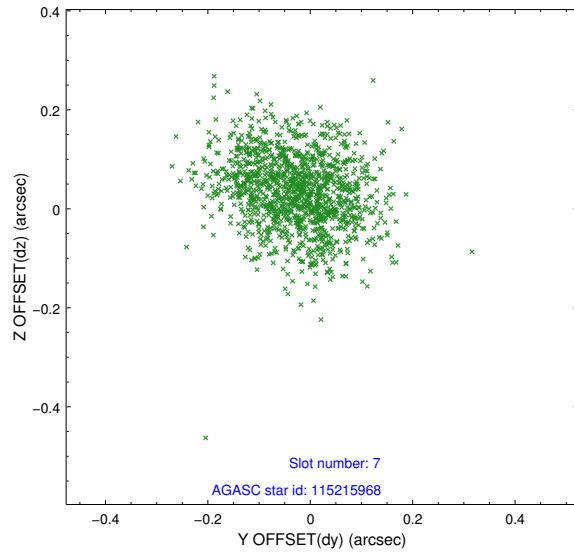
2.4.3 Slot 5



2.4.4 Slot 6

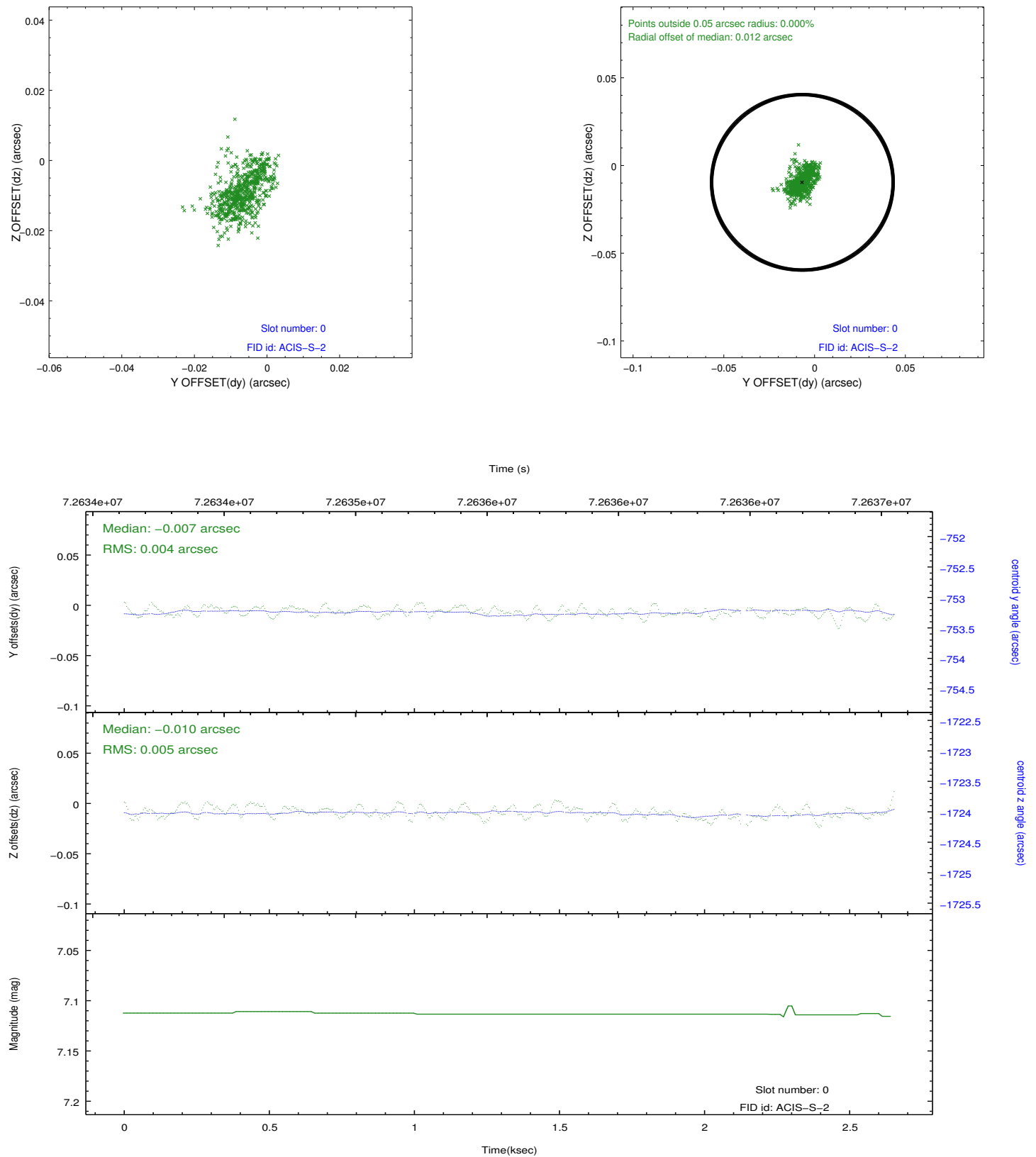


2.4.5 Slot 7

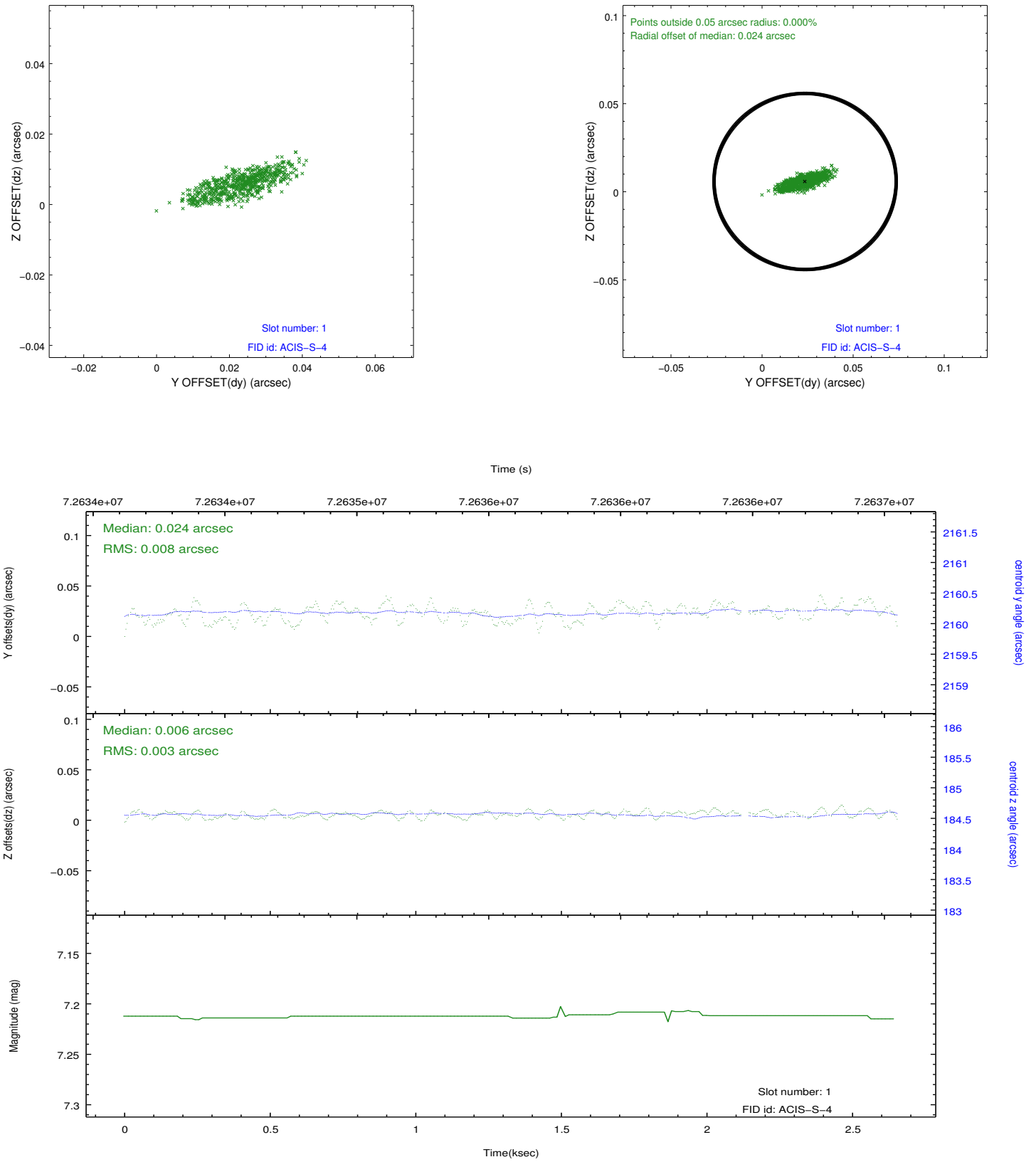


2.5 FID Slots

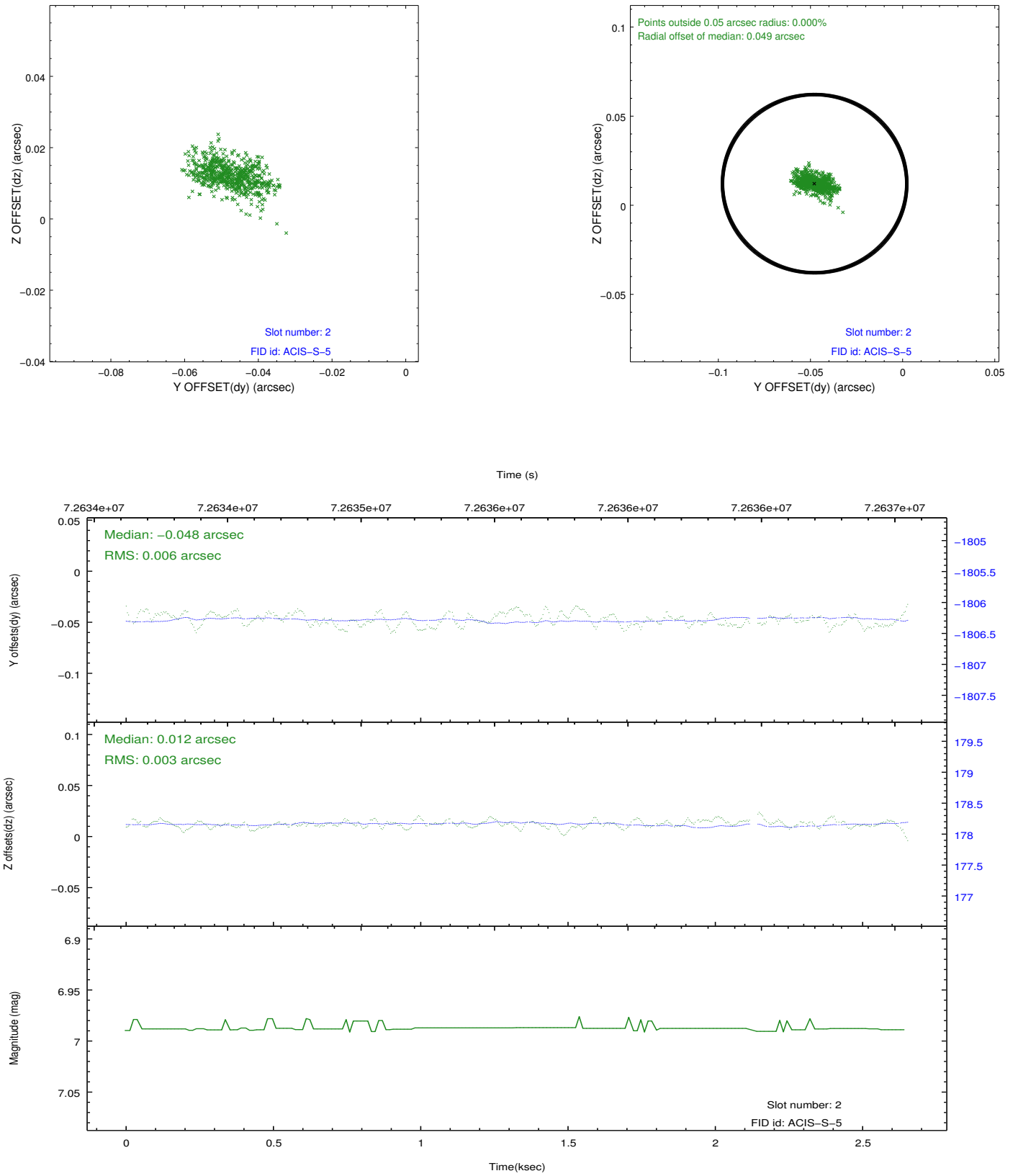
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.11

A.2 Comments

Charge time for this ObsId remains at original value of 1.11 ksec, although with the current processing the charge time would have been 1.705865 ksec.