

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12210 - L2 Version 2
Chandra X-Ray Center

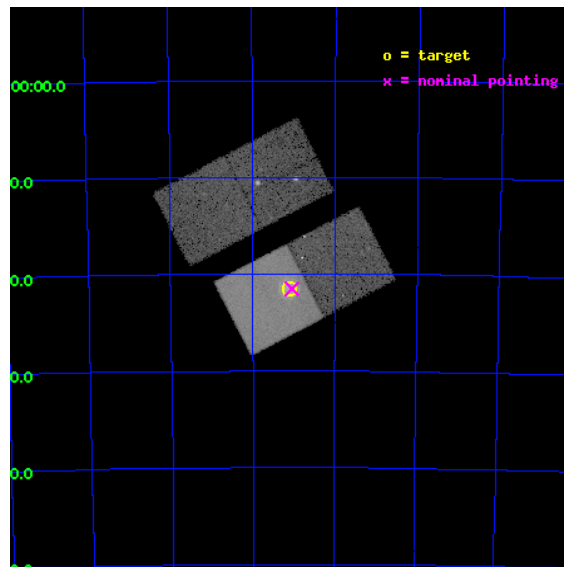
L2 Processing Date : Jun 25 2012

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

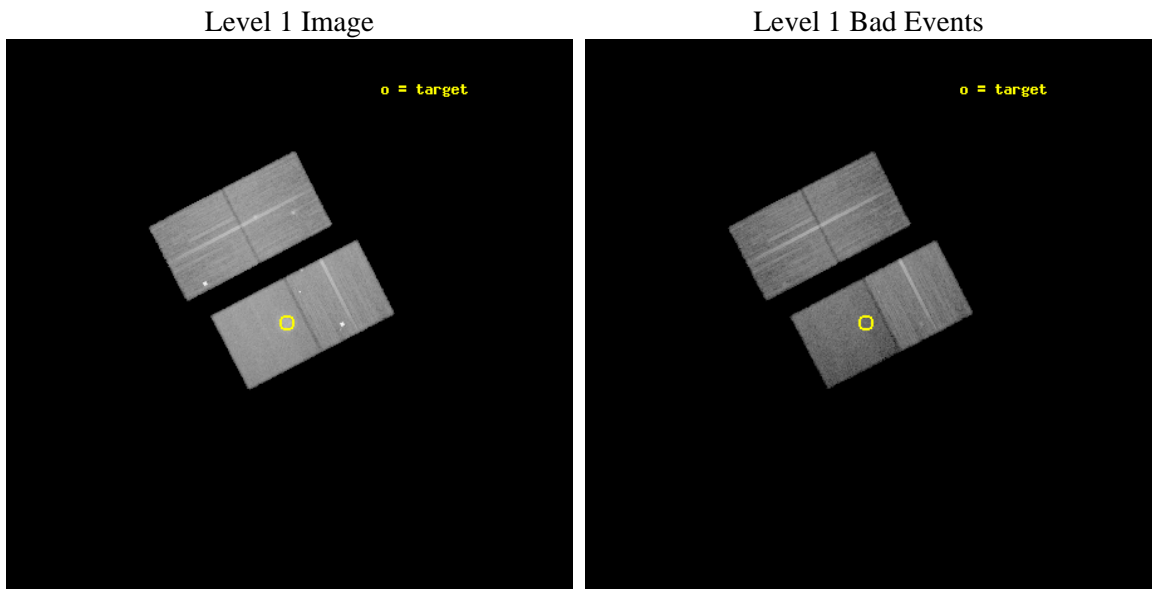
seq_num	501185	Sequence number
obs_id	12210	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.762292651979	Nominal RA [deg]
dec_nom	-73.358711612662	Nominal Dec [deg]
roll_nom	152.64045829299	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27918.60021472	Sum of GTIs [s]
livetime	27553.82314954	Livetime [s]
ontime2	27915.45934391	Sum of GTIs [s]
ontime3	27915.45924443	Sum of GTIs [s]
ontime6	27915.45924437	Sum of GTIs [s]
ontime7	27918.60021472	Sum of GTIs [s]
l2events	160584	Number of level 2 events



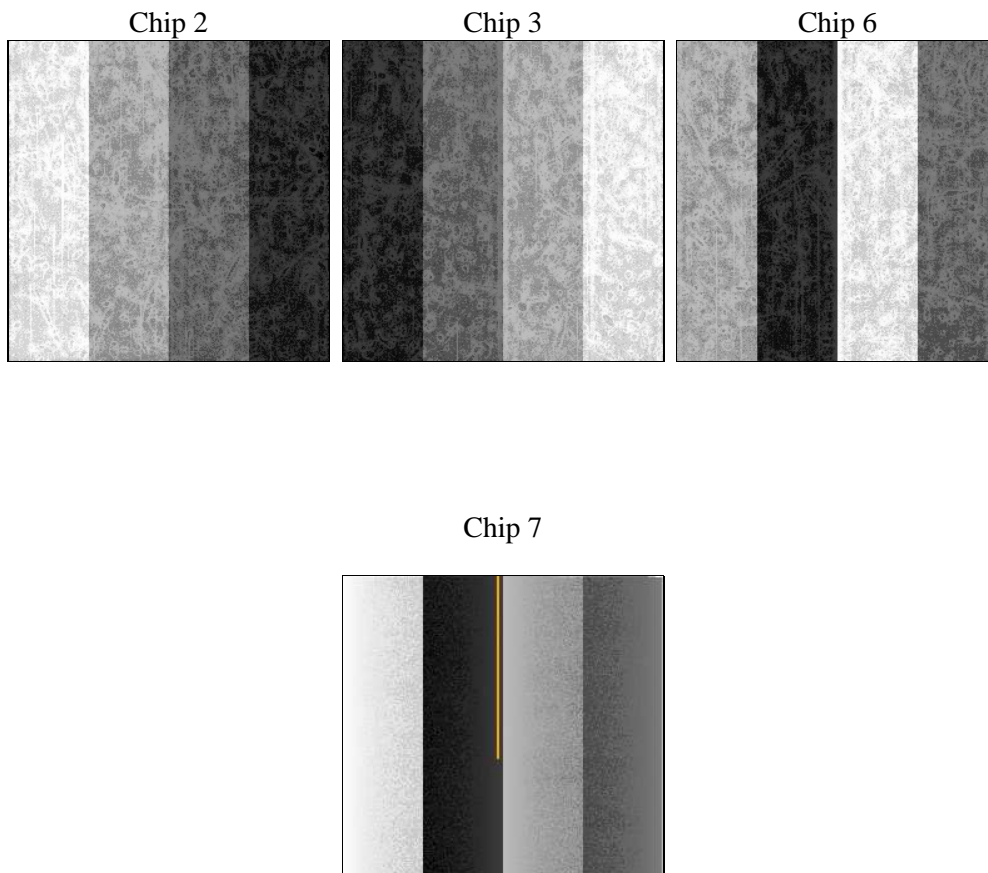
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27765.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	27918.60021472	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	27915.45934391	Sum of GTIs [s]
date	2012-06-25T10:37:27	Date and time of file creation	ontime3	27915.45924443	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	27915.45924437	Sum of GTIs [s]
			ontime7	27918.60021472	Sum of GTIs [s]
			l1events	817790	Number of level 1 events

2.1.4 Events

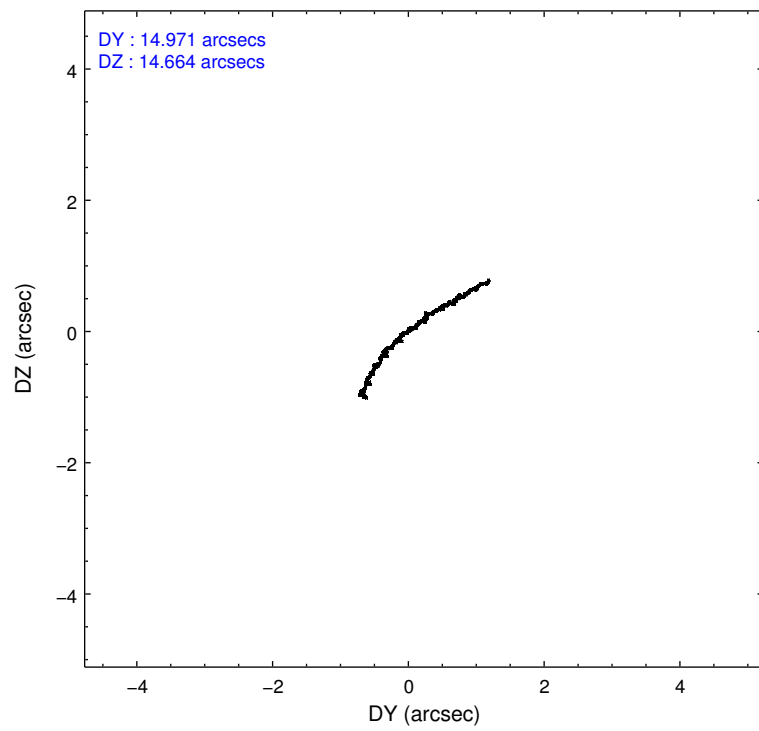
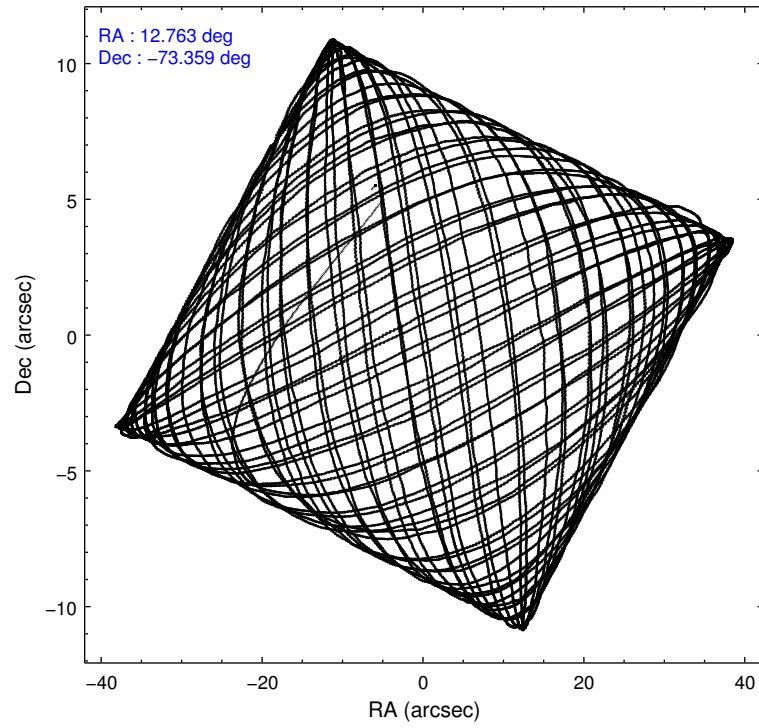
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	197430	198692	209634	212034
rejected events	175502	170939	176655	104916
rejected %	88%	86%	84%	49%

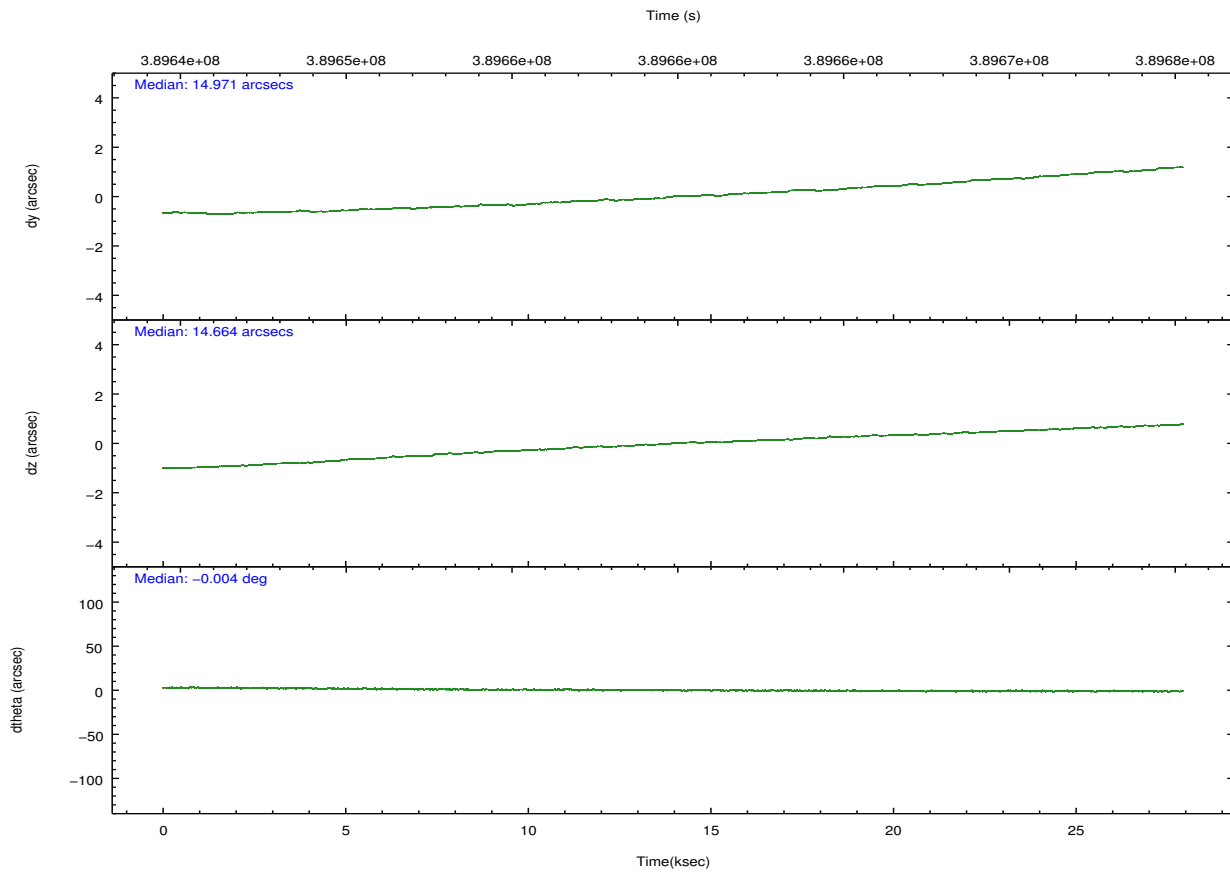
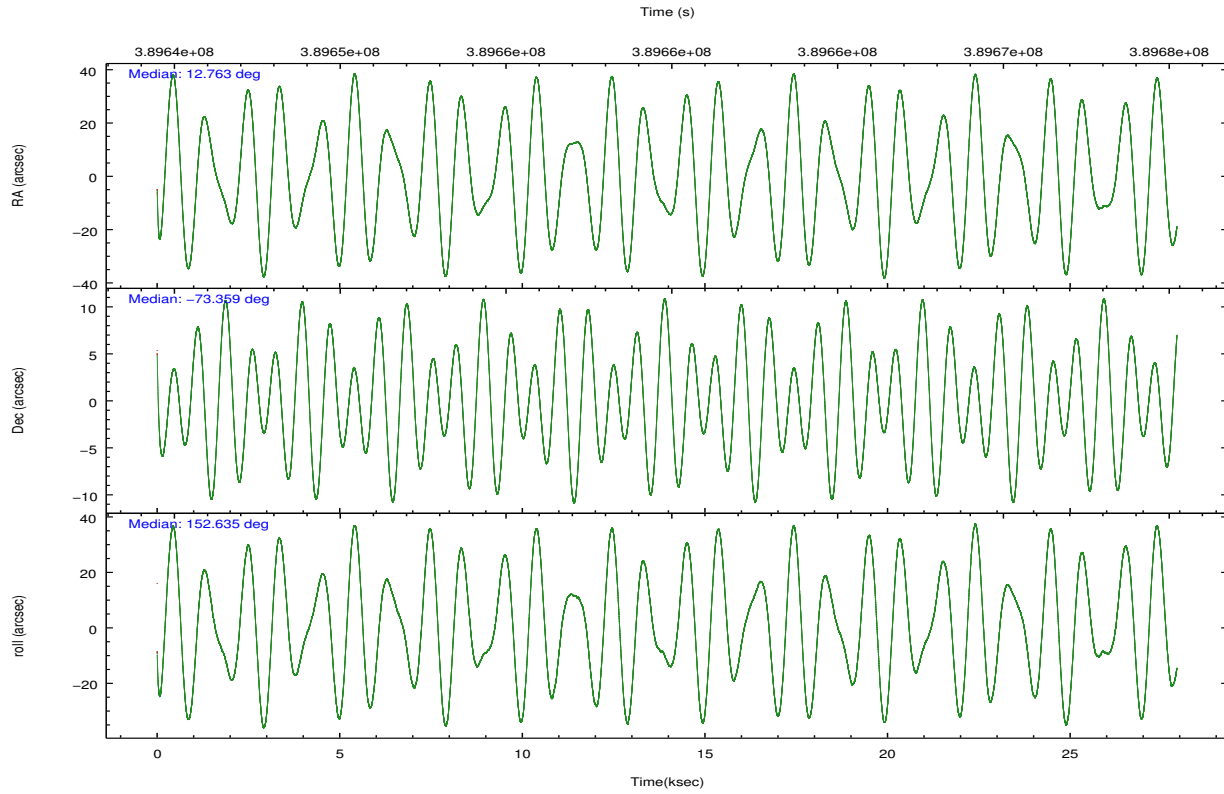
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	9244	15735	18648	13290
	4%	7%	8%	6%
grade 1 events	129	170	201	324
	0%	0%	0%	0%
grade 2 events	4911	4288	5283	23409
	2%	2%	2%	11%
grade 3 events	2172	2156	2401	10240
	1%	1%	1%	4%
grade 4 events	2167	2107	2342	10034
	1%	1%	1%	4%
grade 5 events	6151	7422	7437	21453
	3%	3%	3%	10%
grade 6 events	3627	3694	4562	50983
	1%	1%	2%	24%
grade 7 events	169029	163120	168760	82301
	85%	82%	80%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	12.857587	12.76229265197941	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.357044	-73.35871161266152	Alternating exposures requested	N	N
[deg] Pointing Roll	152.575128	152.640458292986	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	389646048.184000	389645019.07984			
Observation start date	2010-05-07T18:59:42	2010-05-07T18:43:39			
[s] Observation end time (MET)	389673813.184000	389674398.65633			
Observation end date	2010-05-08T02:42:27	2010-05-08T02:53:18			
Read mode	TIMED	TIMED			

2.3 Aspect



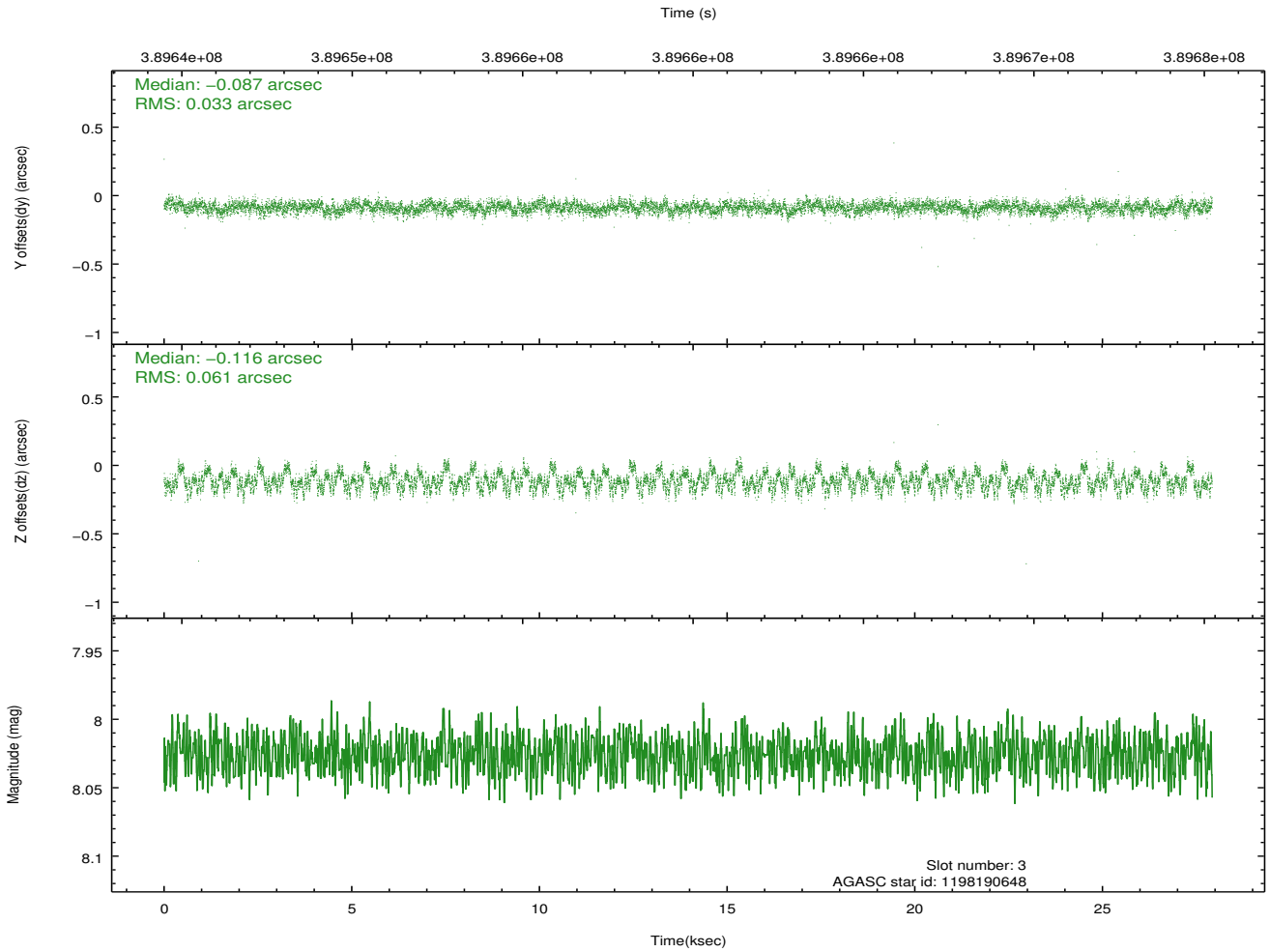
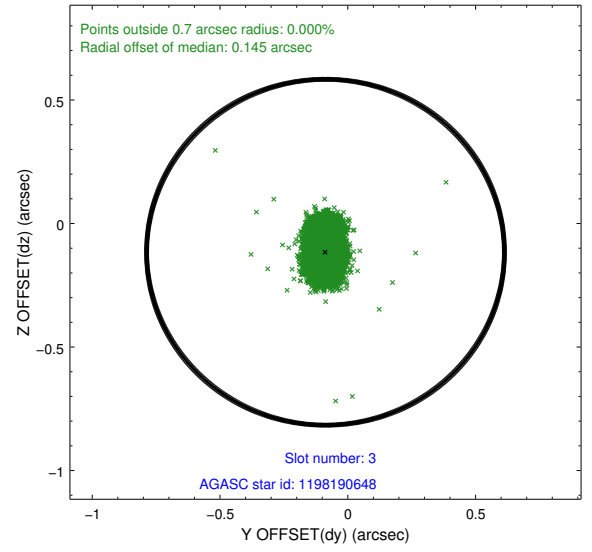
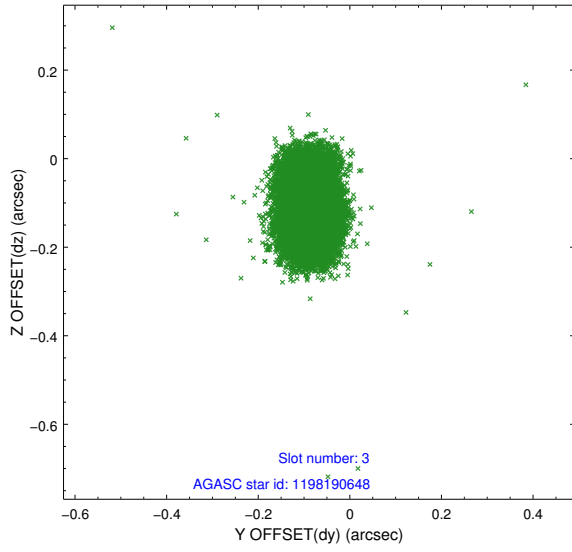


Slot Statistics

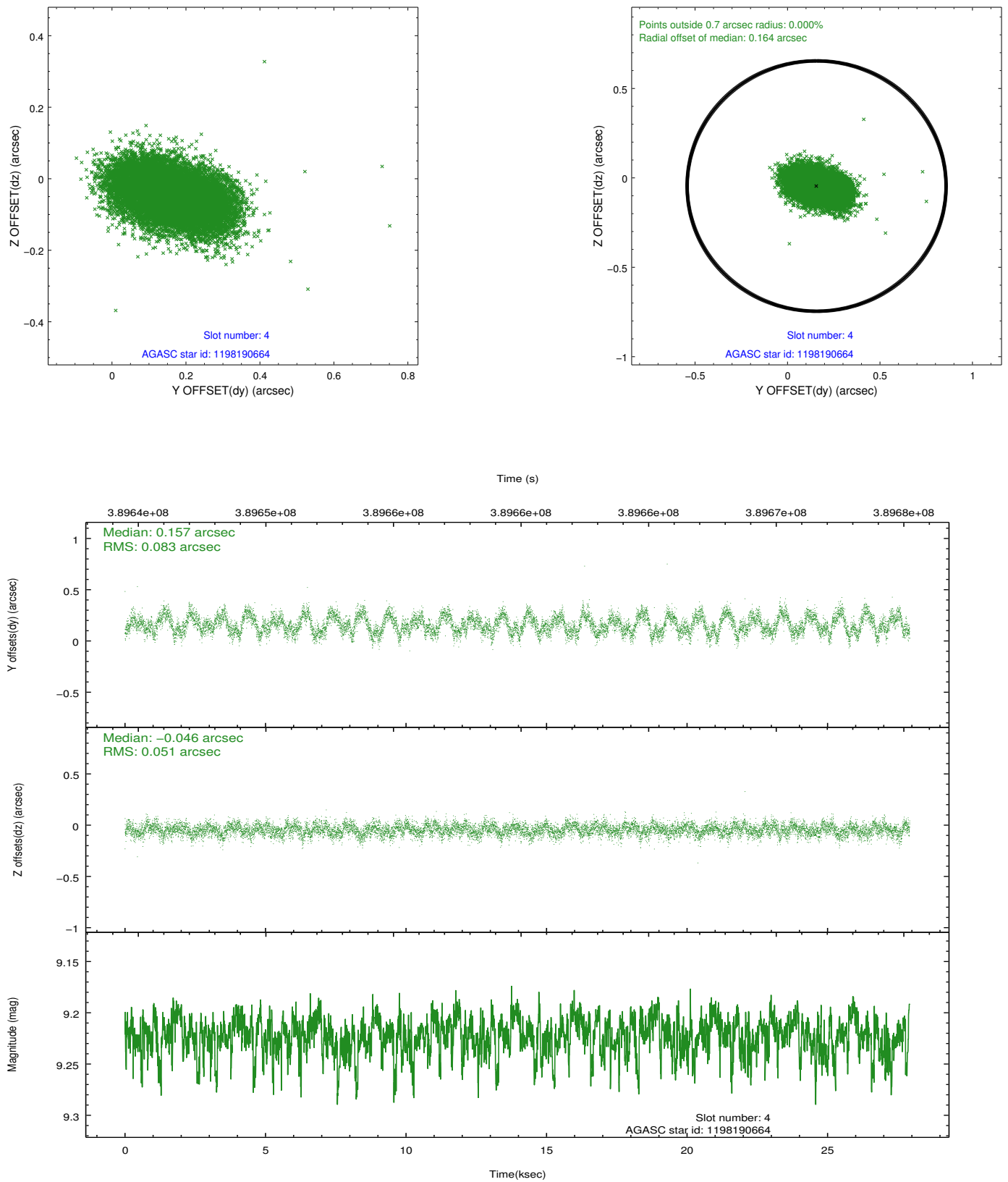
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	6811	-0.089	-0.047	0.027	0.038	0.000000	0.000000	-768.07	-1735.96
1	FID	ACIS-S-4	7.02	6809	0.195	0.053	0.016	0.024	0.000000	0.000000	2145.43	172.54
2	FID	ACIS-S-5	7.05	6810	-0.148	0.001	0.024	0.044	0.000000	0.000000	-1820.87	166.24
3	GUIDE	1198190648	8.03	13614	-0.087	-0.116	0.073	0.120	12.344115	-73.478663	263.99	632.95
4	GUIDE	1198190664	9.22	13610	0.157	-0.046	0.104	0.168	14.057016	-73.825958	-1850.66	955.35
5	GUIDE	1198191824	9.31	13609	0.036	-0.041	0.125	0.201	11.519918	-73.478175	1007.68	1031.52
6	GUIDE	1198192408	9.41	13563	-0.119	0.270	0.113	0.184	12.860639	-72.678863	1122.00	-2167.94
7	GUIDE	1198192456	8.58	13612	0.022	-0.071	0.080	0.132	13.422921	-73.869405	-1352.29	1379.02

2.4 Star Slots

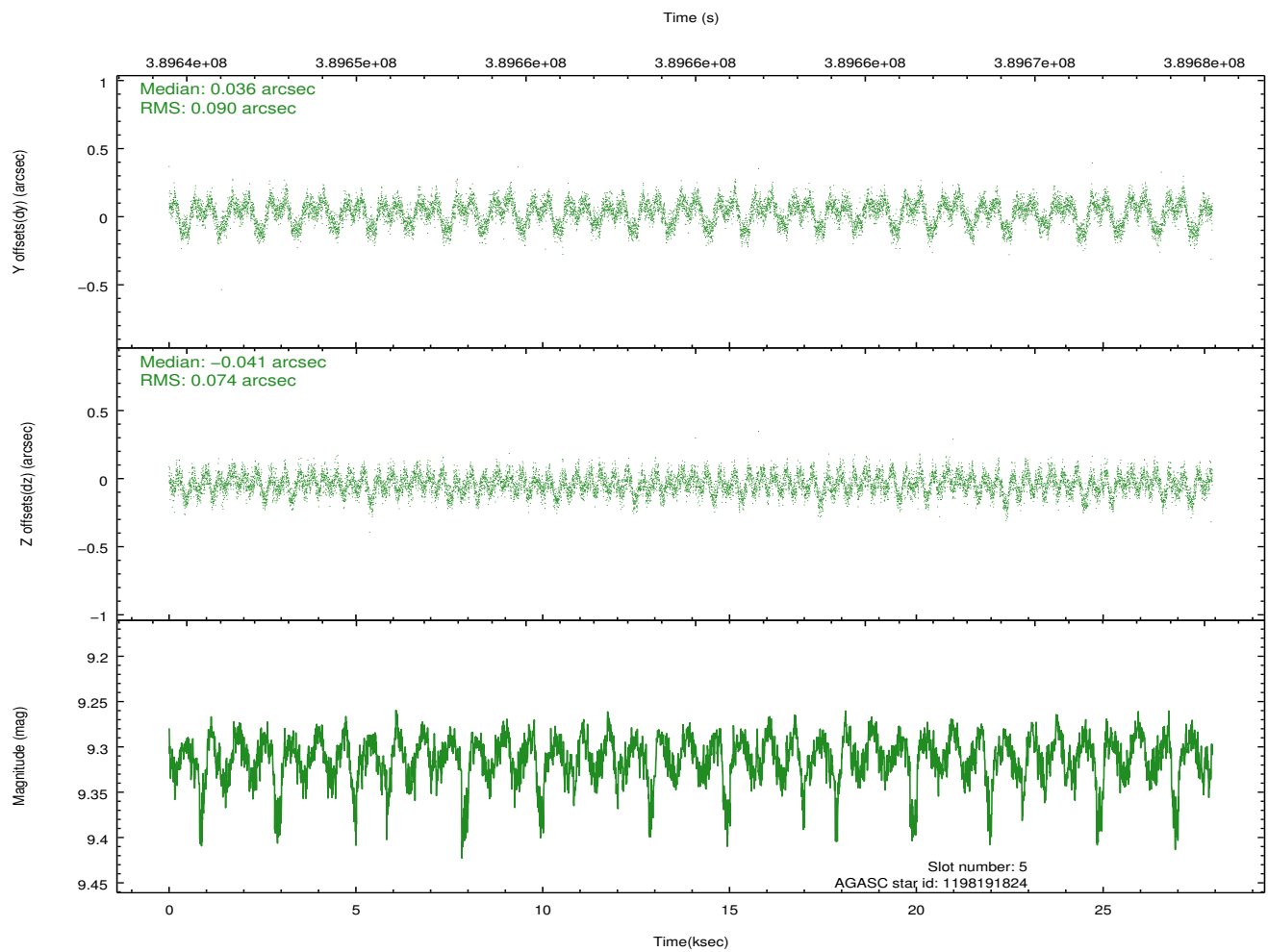
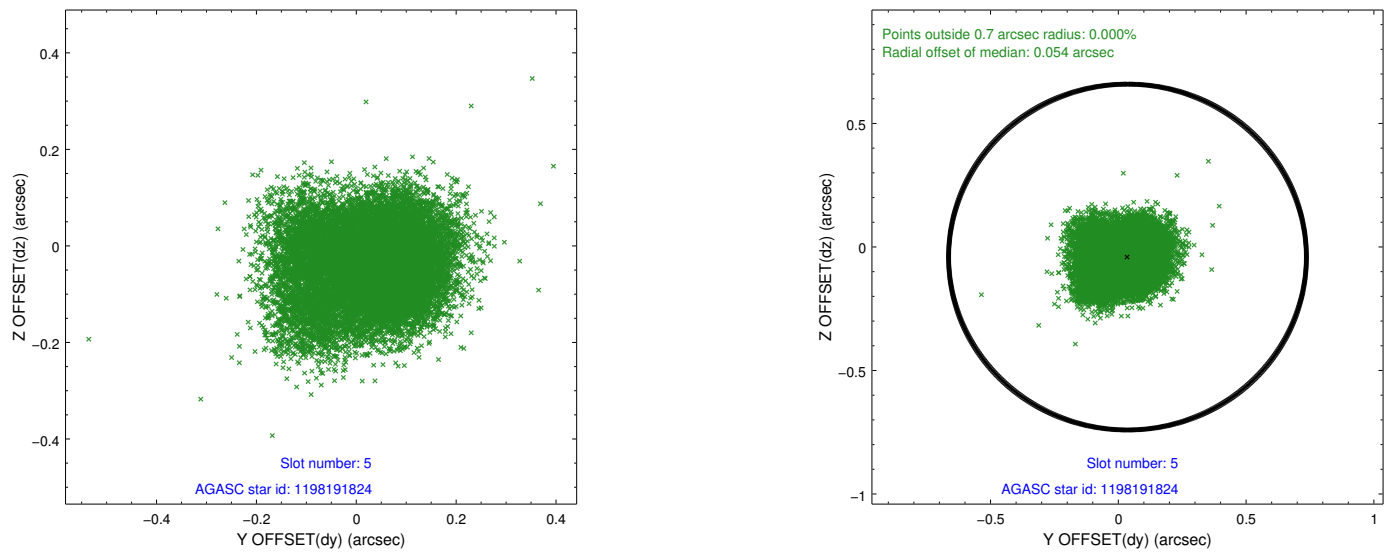
2.4.1 Slot 3



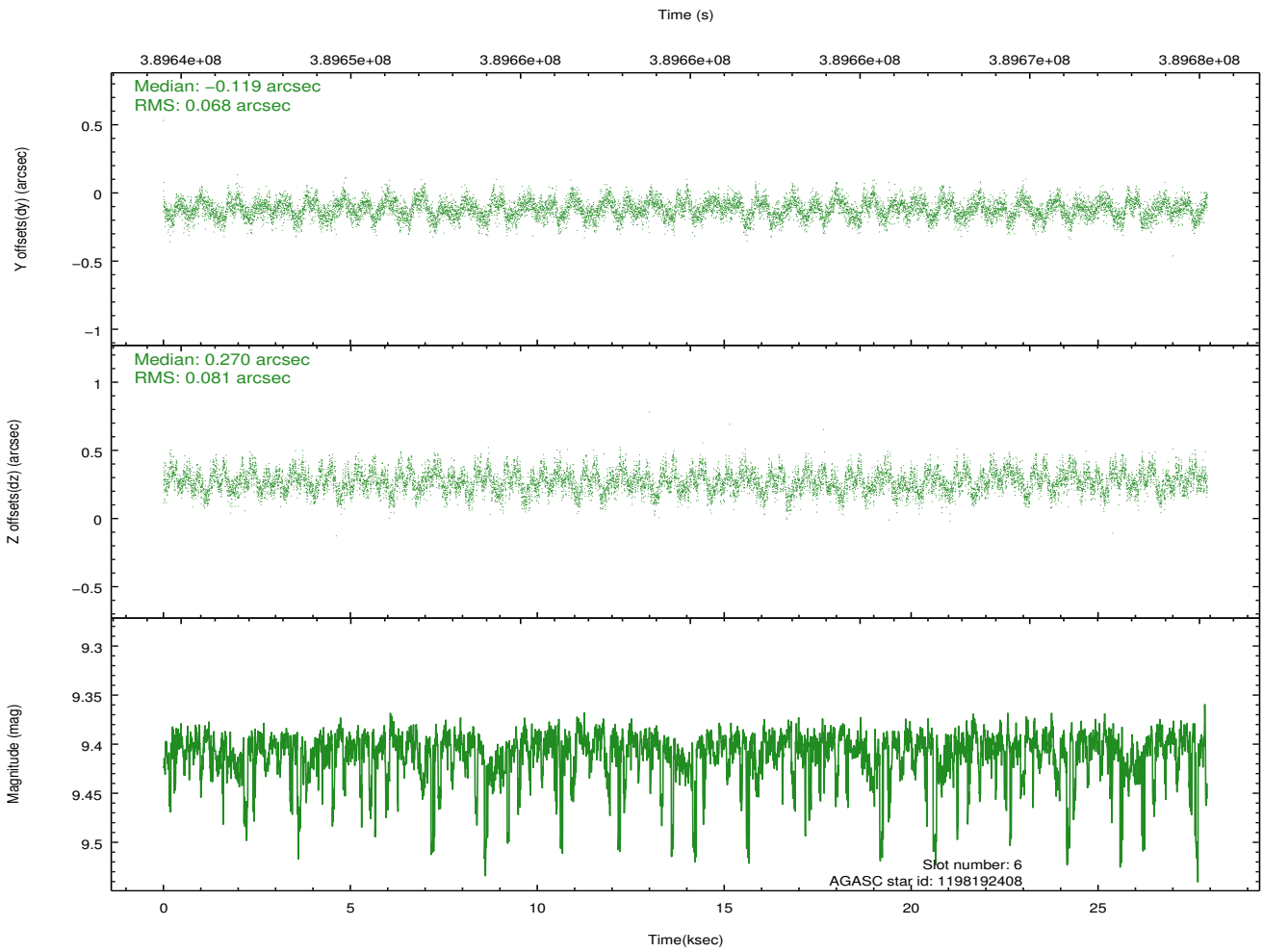
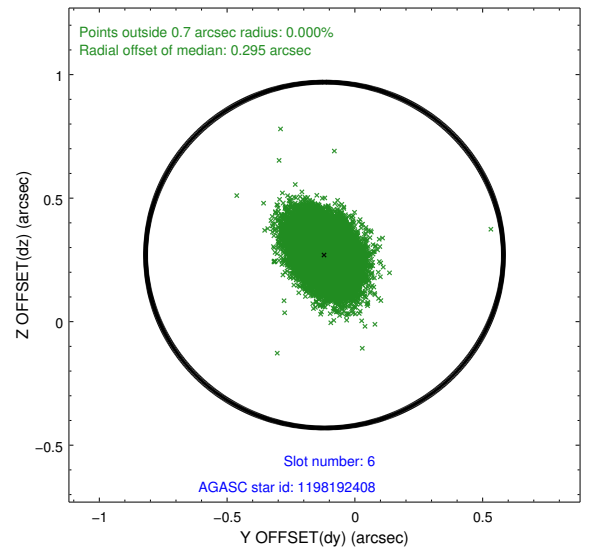
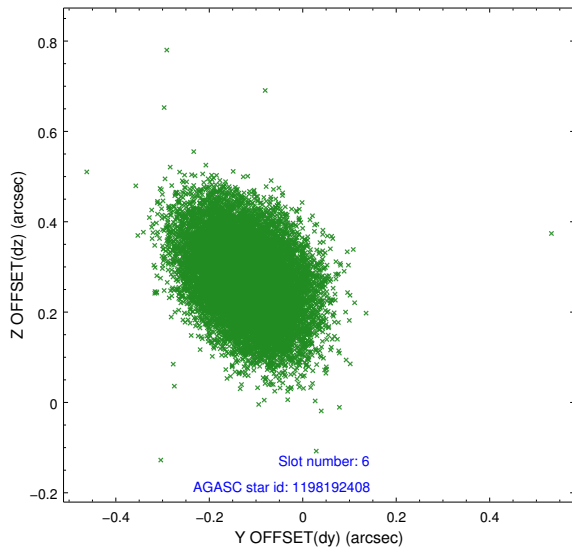
2.4.2 Slot 4



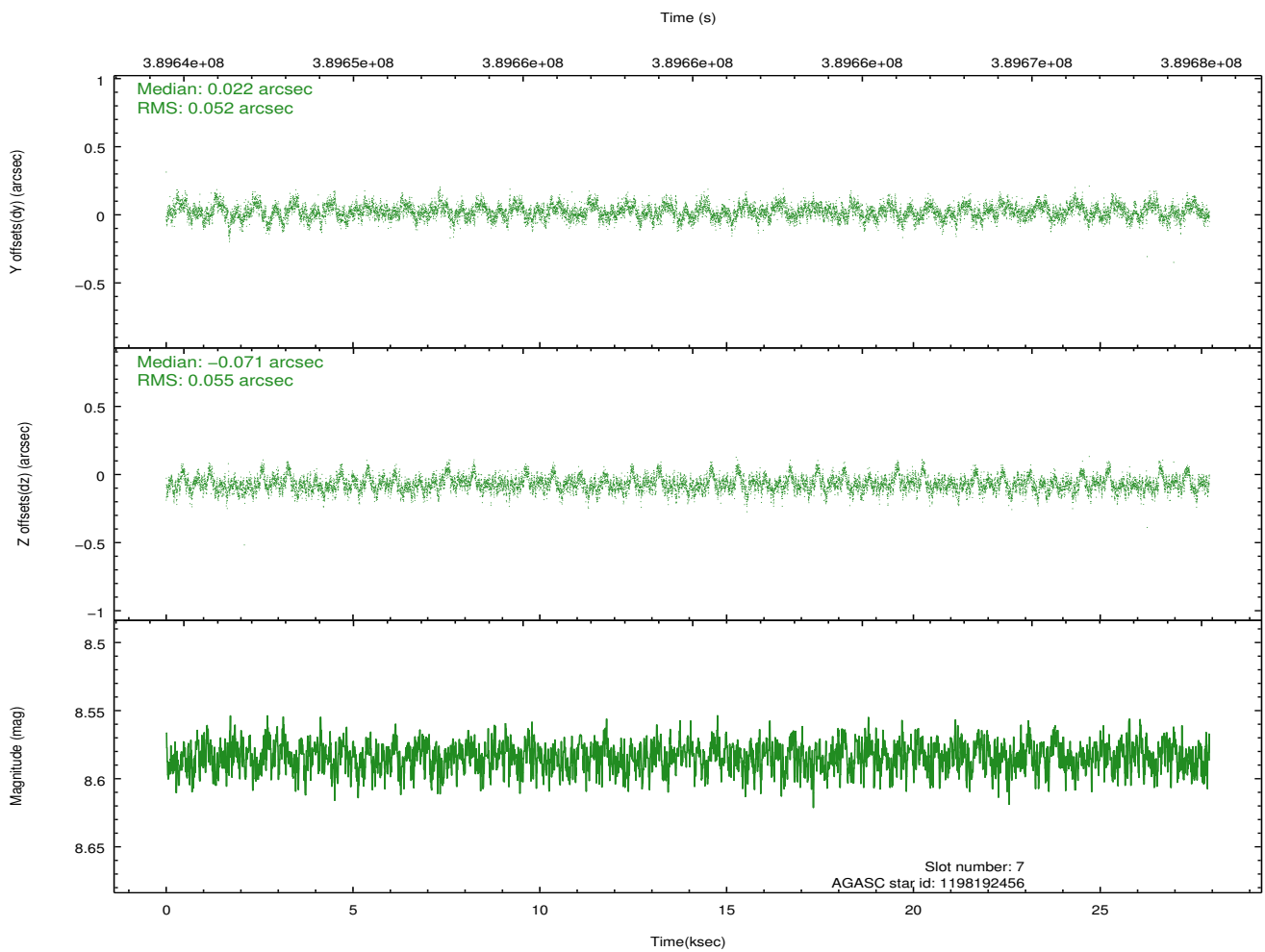
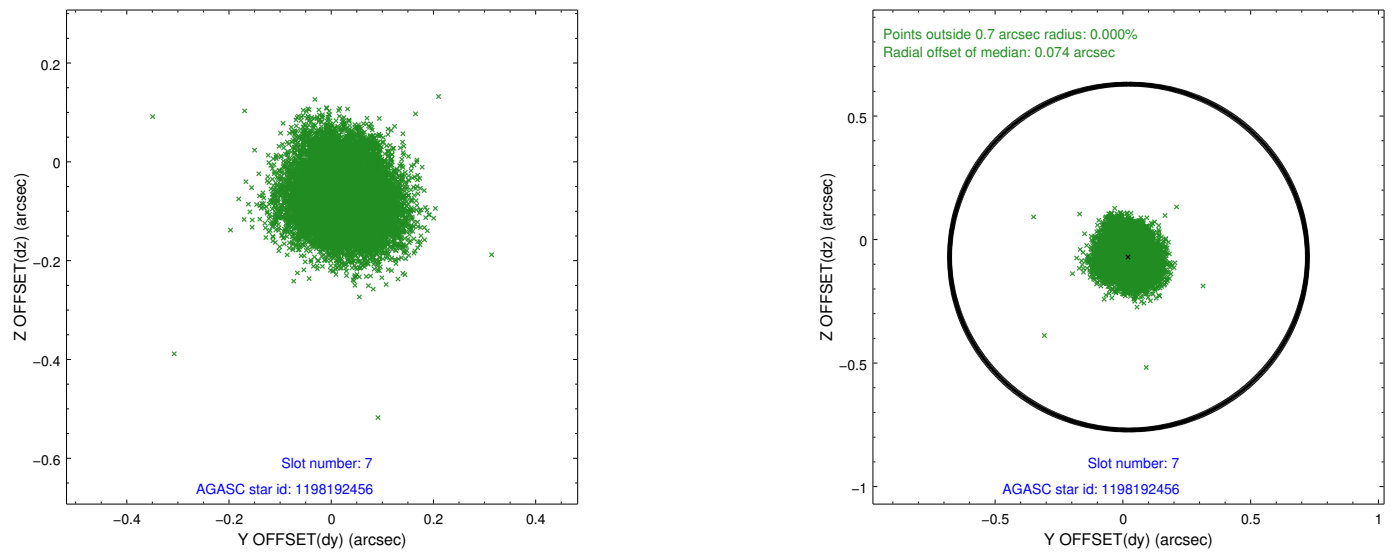
2.4.3 Slot 5



2.4.4 Slot 6

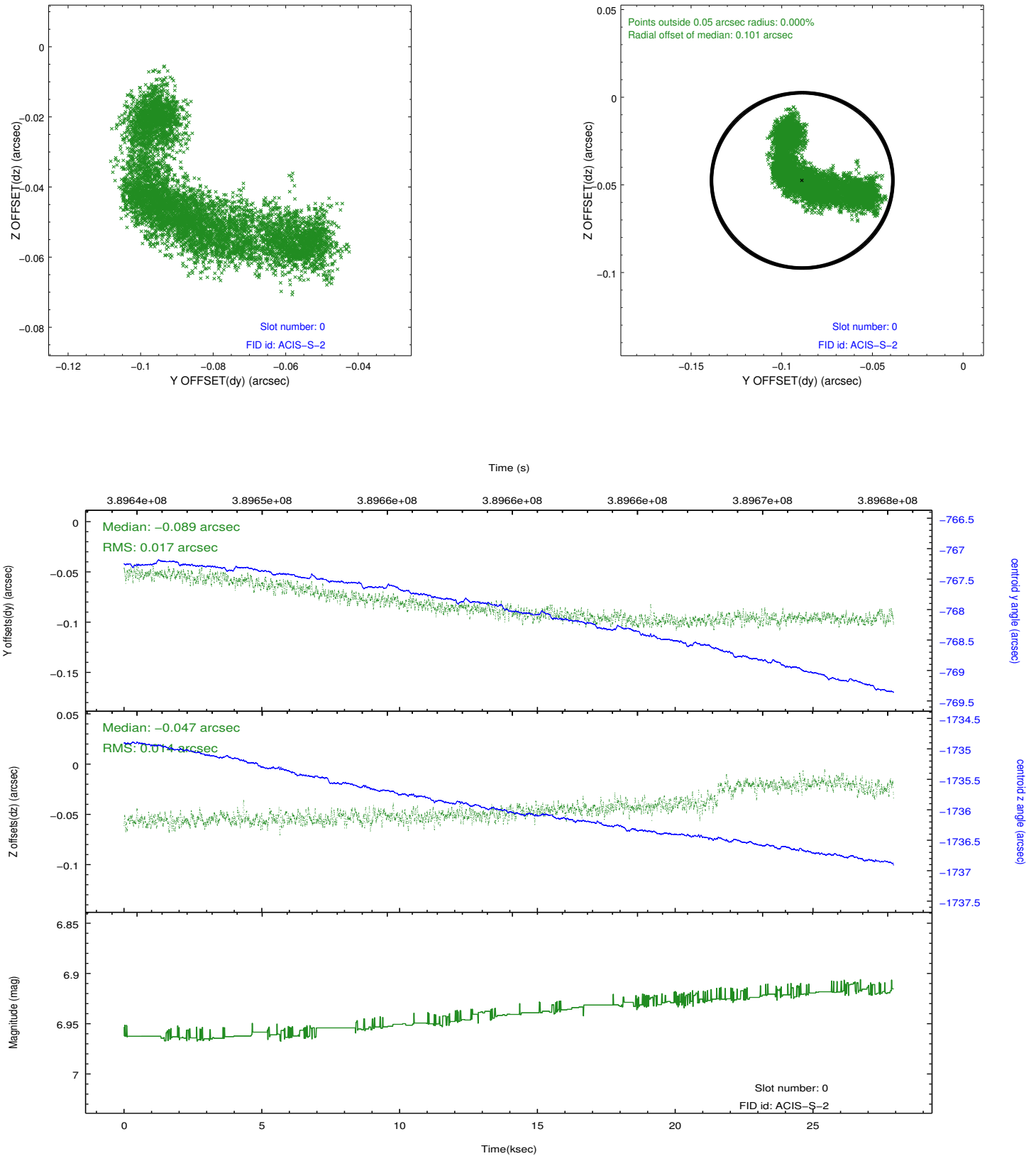


2.4.5 Slot 7

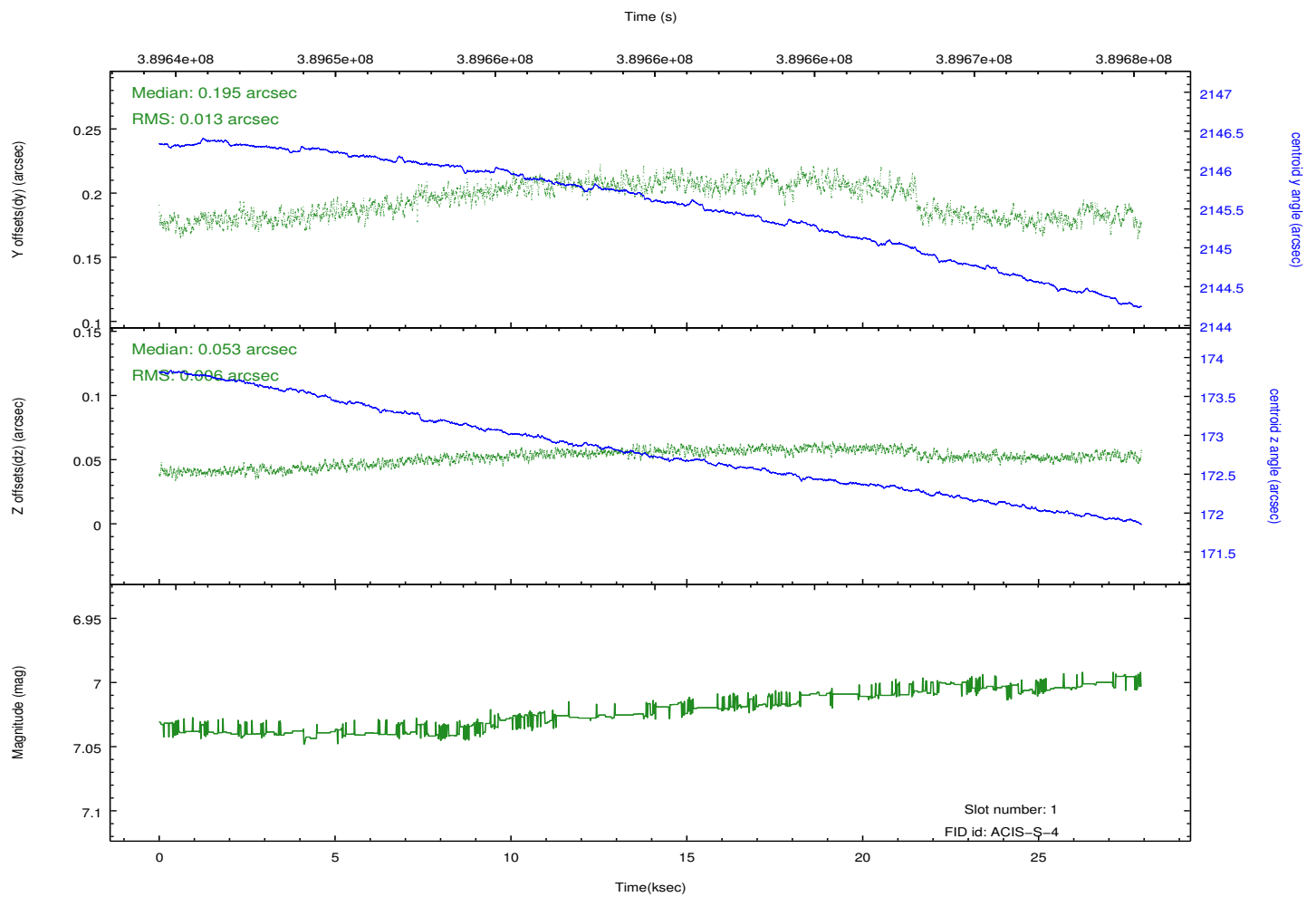
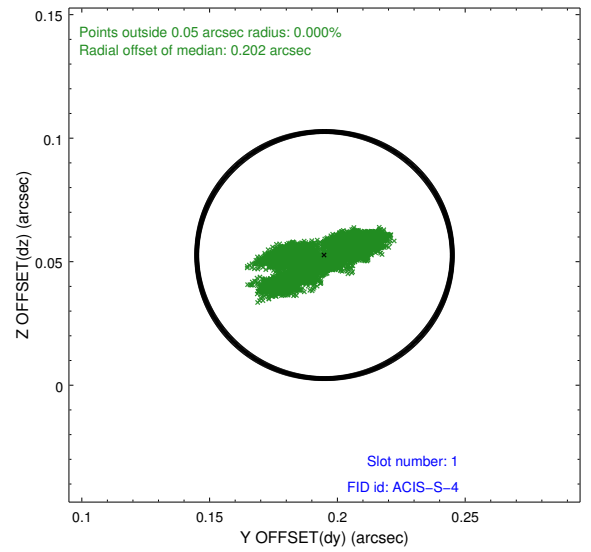
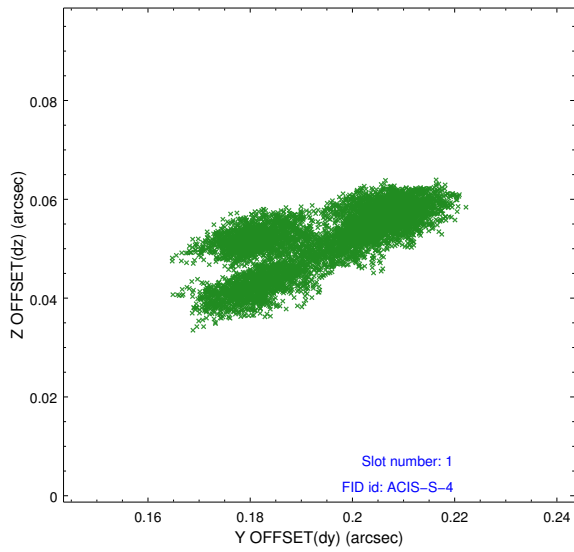


2.5 FID Slots

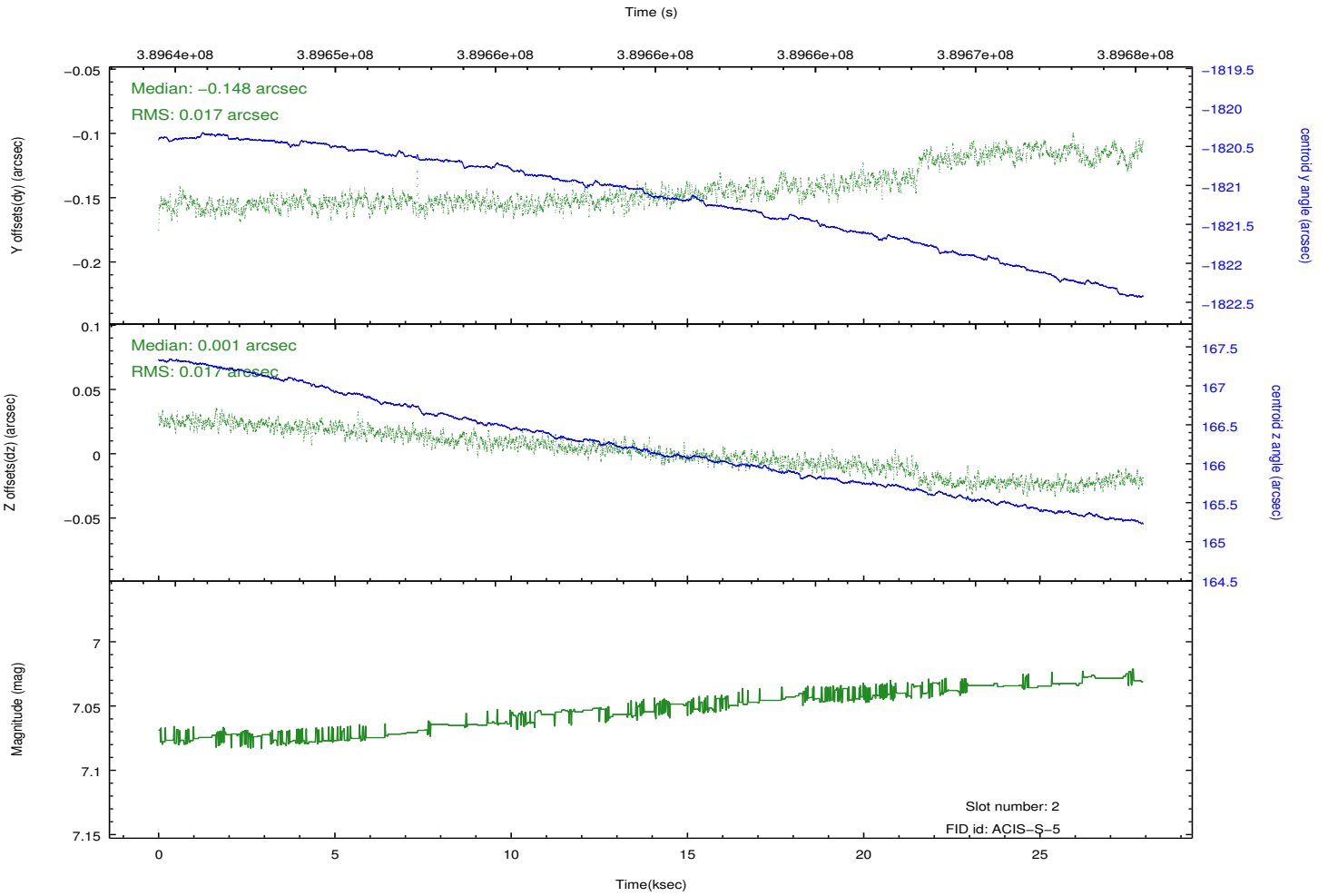
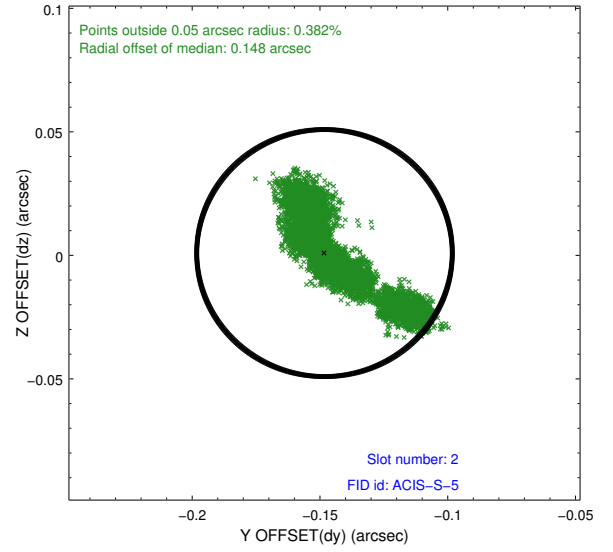
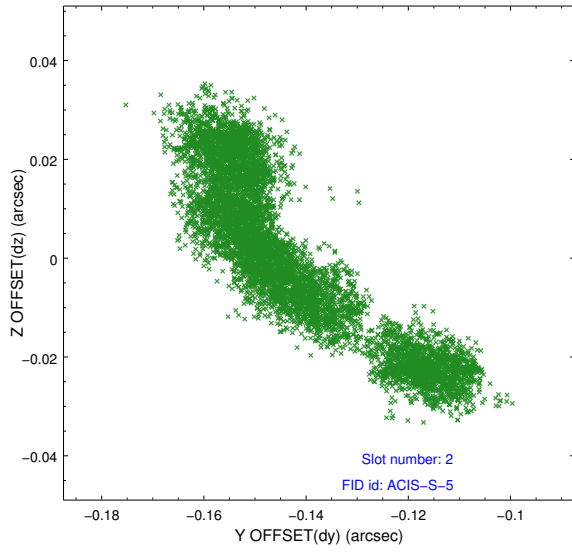
2.5.1 Slot 0



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)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.91860021472

A.2 Comments