

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12738 - L2 Version 2
Chandra X-Ray Center

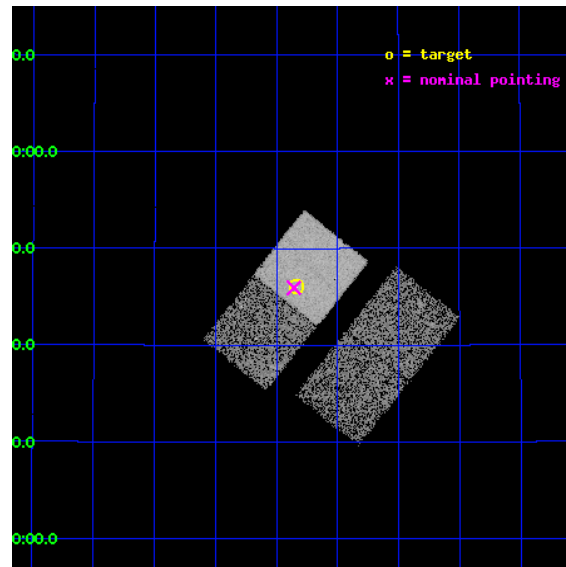
L2 Processing Date : Jul 5 2012

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1 Front

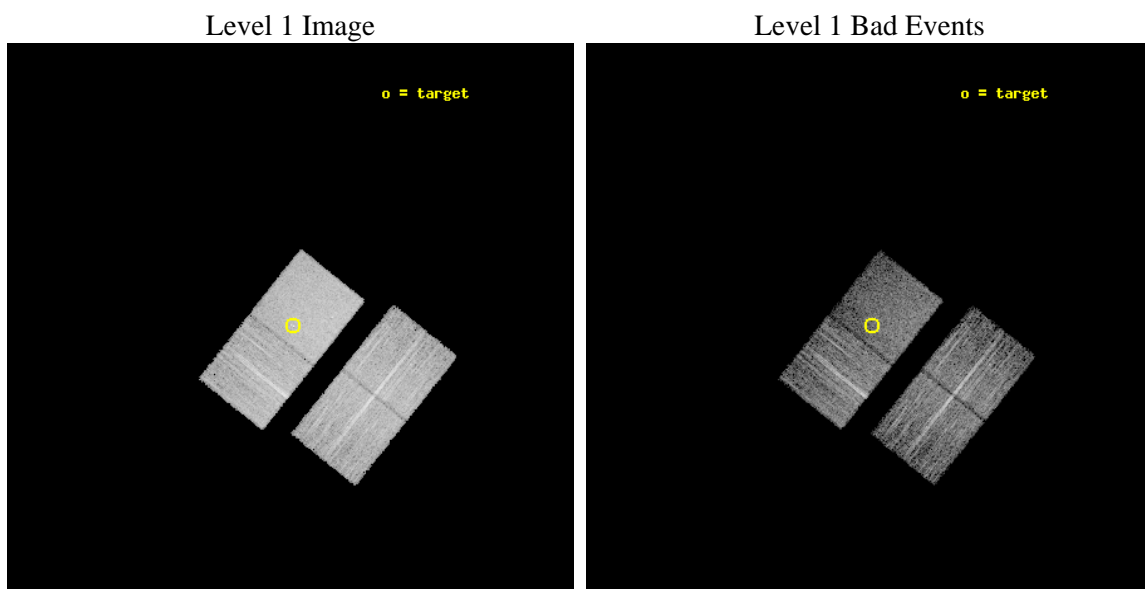
seq_num	702374	Sequence number
obs_id	12738	Observation id
title	Completing the Chandra 3C Snapshot Survey: Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C 357	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.084167	Observer's specified target RA [deg]
dec_targ	31.767194	Observer's specified target Dec [deg]
ra_nom	262.08950903134	Nominal RA [deg]
dec_nom	31.765519212549	Nominal Dec [deg]
roll_nom	308.62876910954	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8050.7000619173	Sum of GTIs [s]
livetime	7945.5117387692	Livetime [s]
ontime2	8050.7000619173	Sum of GTIs [s]
ontime3	8047.5591015816	Sum of GTIs [s]
ontime6	8050.7000619173	Sum of GTIs [s]
ontime7	8050.7000619173	Sum of GTIs [s]
l2events	47315	Number of level 2 events



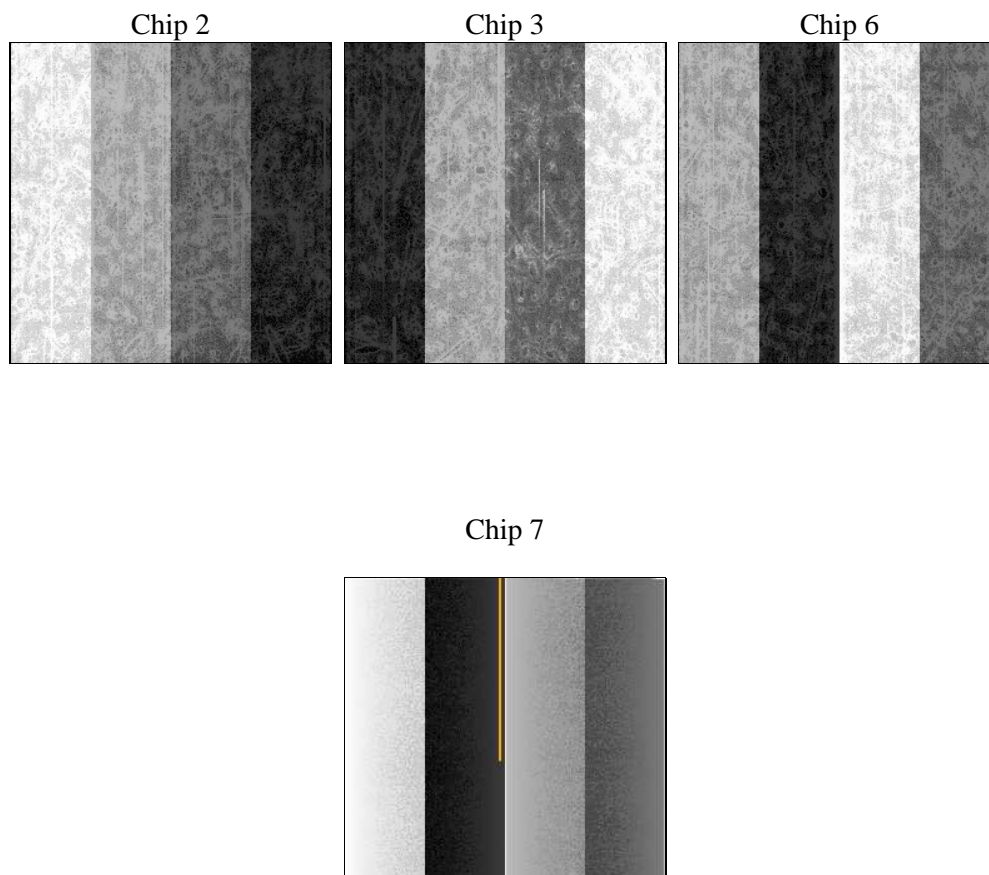
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8050.7000619173	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	8050.7000619173	Sum of GTIs [s]
date	2012-07-05T20:51:32	Date and time of file creation	ontime3	8047.5591015816	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8050.7000619173	Sum of GTIs [s]
			ontime7	8050.7000619173	Sum of GTIs [s]
			l1events	238400	Number of level 1 events

2.1.4 Events

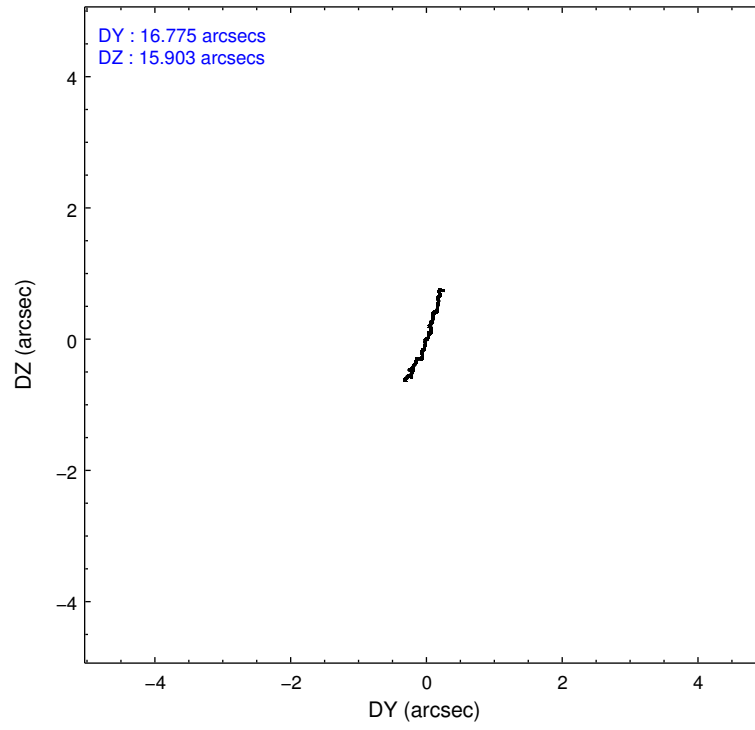
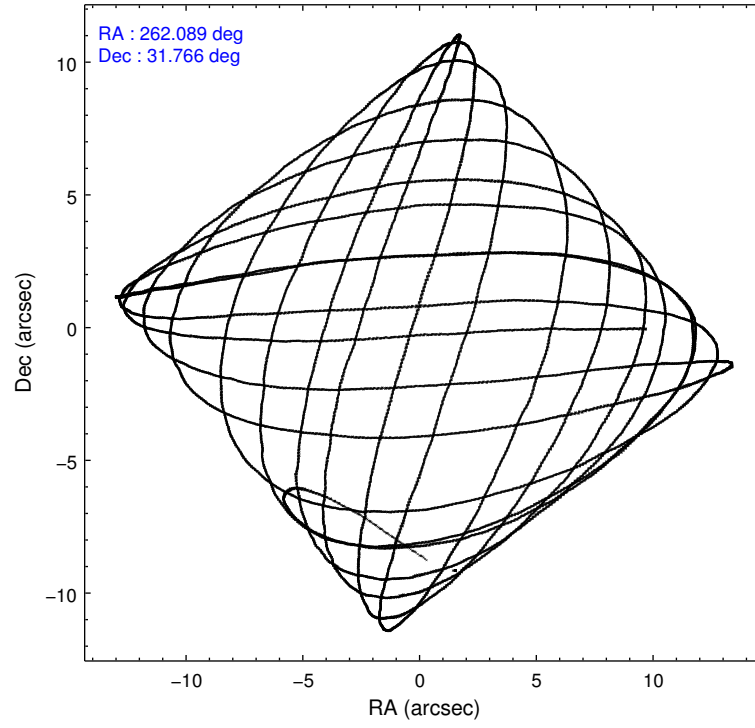
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	54056	54878	58399	71067
rejected events	47989	48943	51733	39035
rejected %	88%	89%	88%	54%

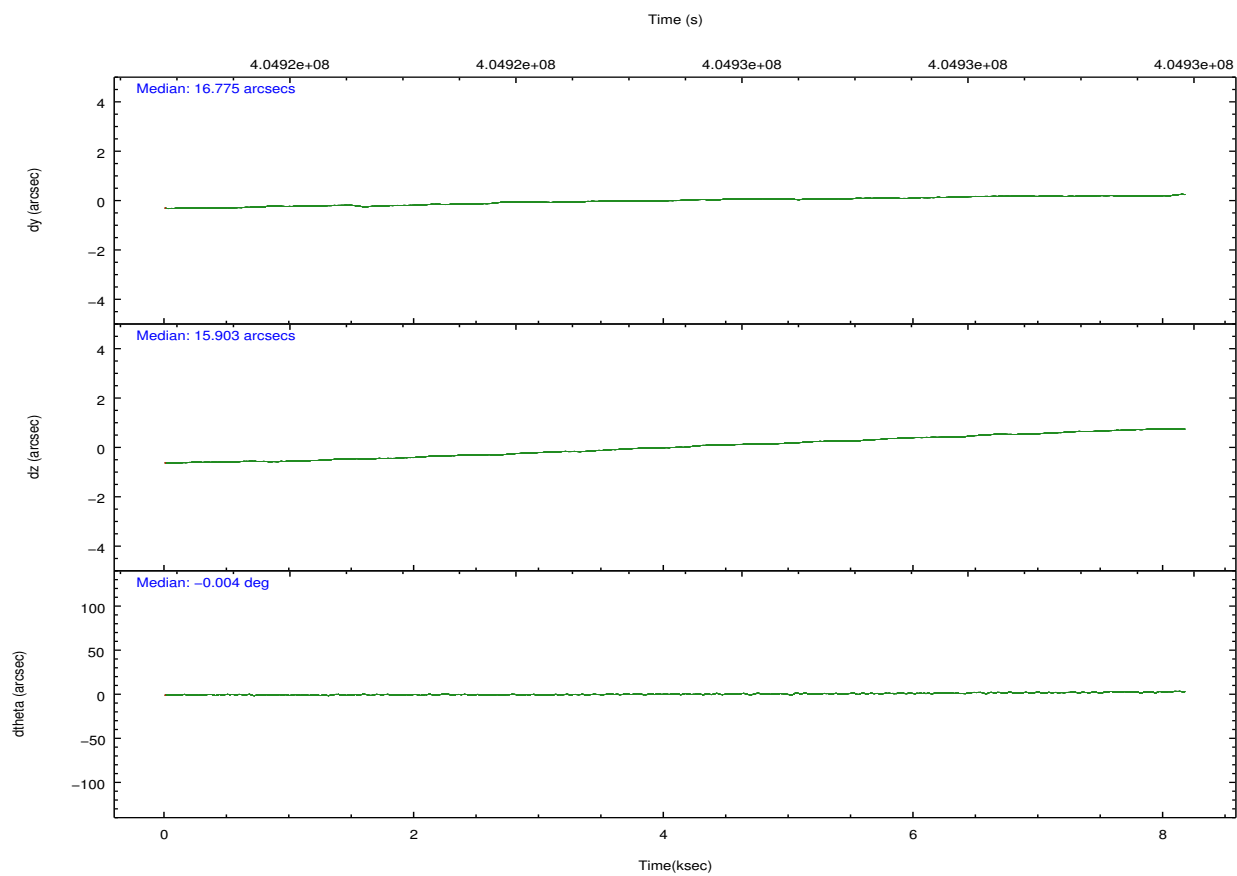
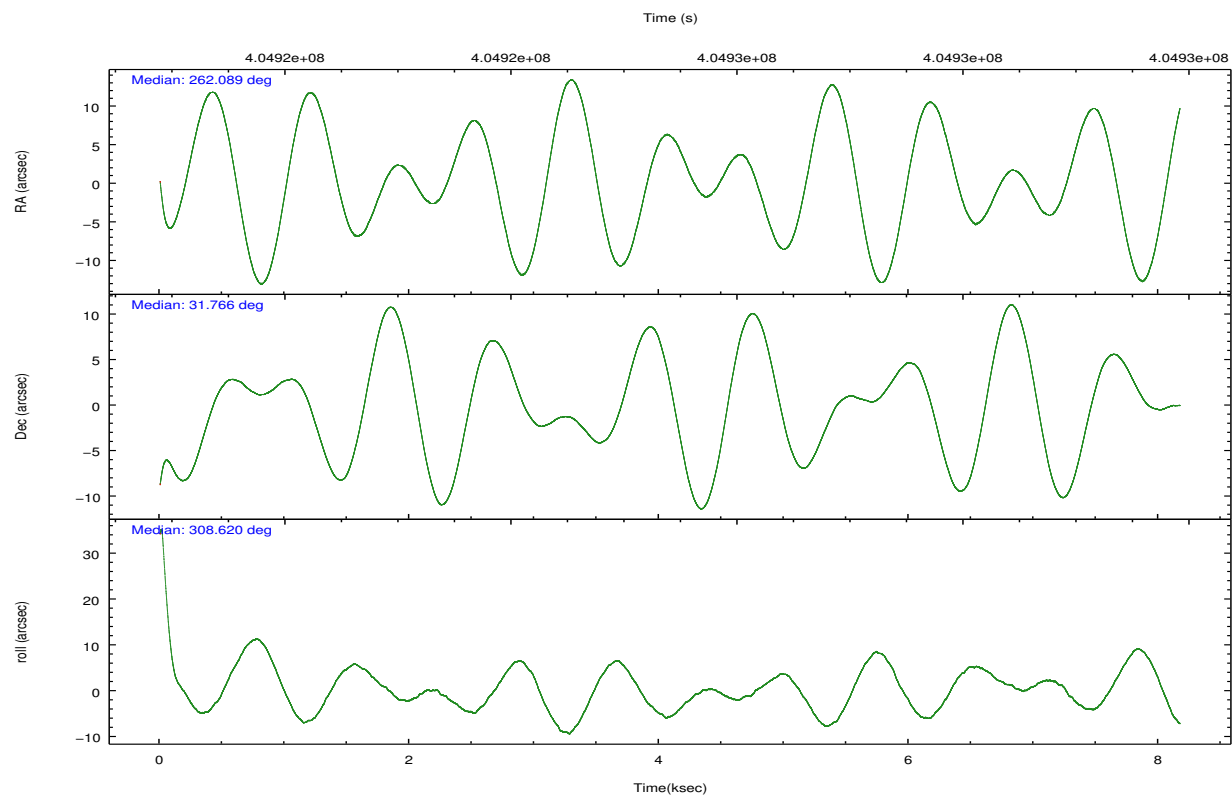
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2189	2152	2393	3136
	4%	3%	4%	4%
grade 1 events	22	35	29	97
	0%	0%	0%	0%
grade 2 events	1431	1336	1464	6651
	2%	2%	2%	9%
grade 3 events	616	655	713	2859
	1%	1%	1%	4%
grade 4 events	658	604	646	2770
	1%	1%	1%	3%
grade 5 events	2178	2546	2592	7462
	4%	4%	4%	10%
grade 6 events	1178	1190	1457	16645
	2%	2%	2%	23%
grade 7 events	45784	46360	49105	31447
	84%	84%	84%	44%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	262.059426	262.0895090313395	CCD I2 on	O1	Y
[deg] Pointing Dec	31.775177	31.76551921254871	CCD I3 on	O2	Y
[deg] Pointing Roll	308.487918	308.6287691095413	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	404921490.184000	404920486.72398	CCD S5 on	N	N
Observation start date	2010-10-31T14:10:24	2010-10-31T13:54:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	404929490.184000	404930861.26202	On-chip summing requested	N	N
Observation end date	2010-10-31T16:23:44	2010-10-31T16:47:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



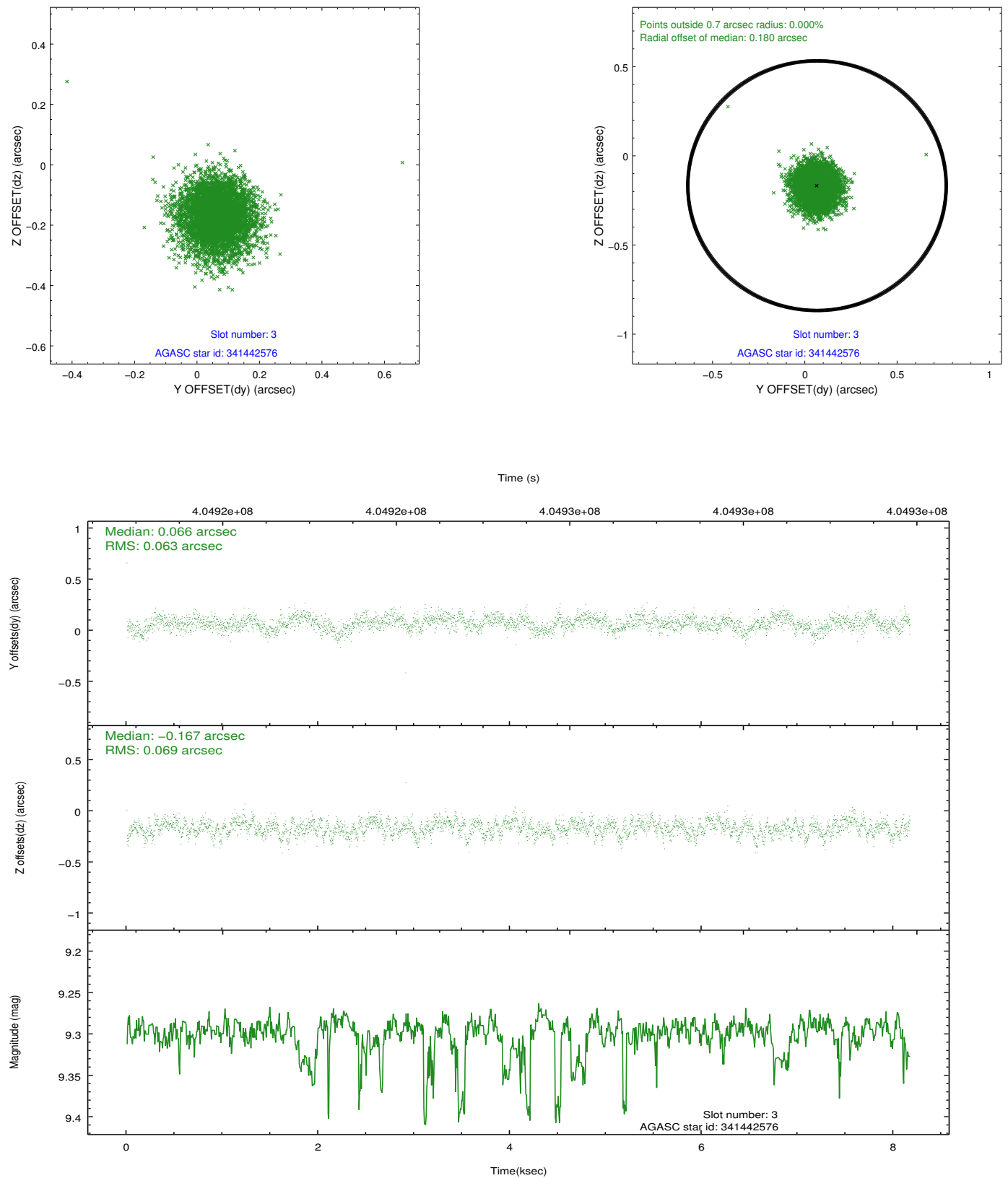


Slot Statistics

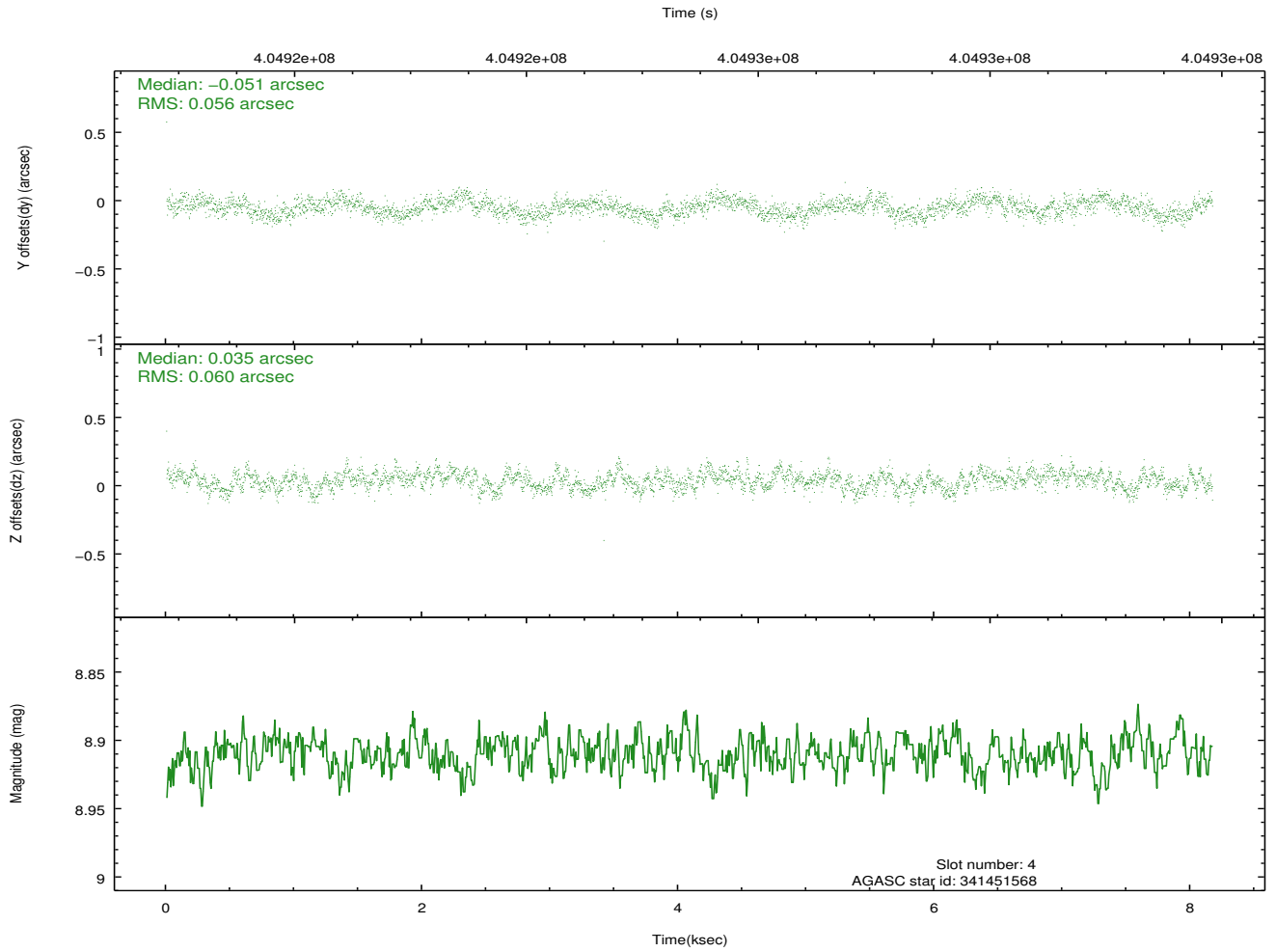
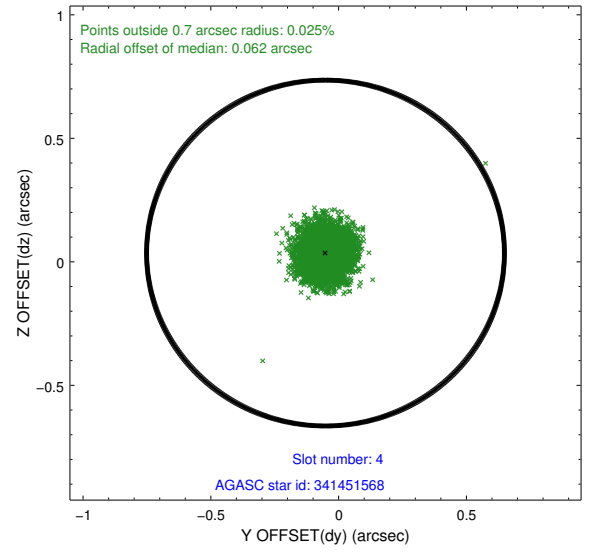
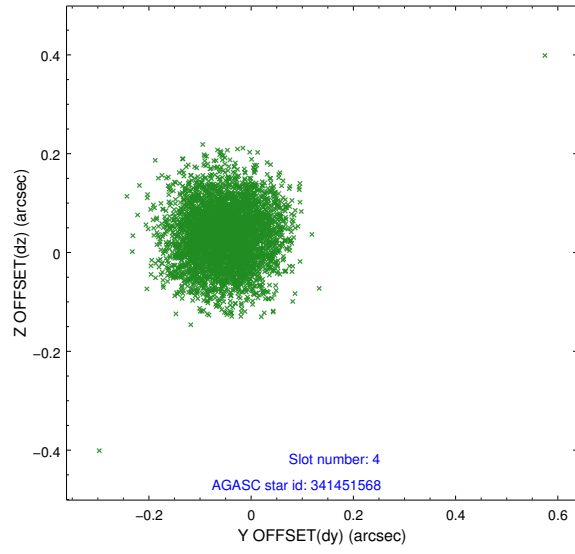
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	1993	-0.089	-0.017	0.011	0.020	0.000000	0.000000	-769.85	-1737.35
1	FID	ACIS-S-4	7.00	1993	0.184	0.047	0.006	0.010	0.000000	0.000000	2143.37	170.51
2	FID	ACIS-S-5	7.03	1993	-0.127	-0.023	0.011	0.021	0.000000	0.000000	-1821.87	164.86
3	GUIDE	341442576	9.30	3976	0.066	-0.167	0.099	0.159	262.256604	31.651914	723.45	197.33
4	GUIDE	341451568	8.91	3985	-0.051	0.035	0.088	0.138	261.842957	31.461183	471.66	-1223.38
5	GUIDE	341452496	7.36	3986	-0.065	0.070	0.079	0.128	261.691509	31.219250	862.06	-2131.61
6	GUIDE	341452720	9.33	3984	0.085	0.061	0.108	0.171	262.397958	31.203818	2258.31	-463.06
7	GUIDE	341967184	9.26	3983	-0.036	0.004	0.093	0.156	262.469252	32.274441	-631.93	2096.52

2.4 Star Slots

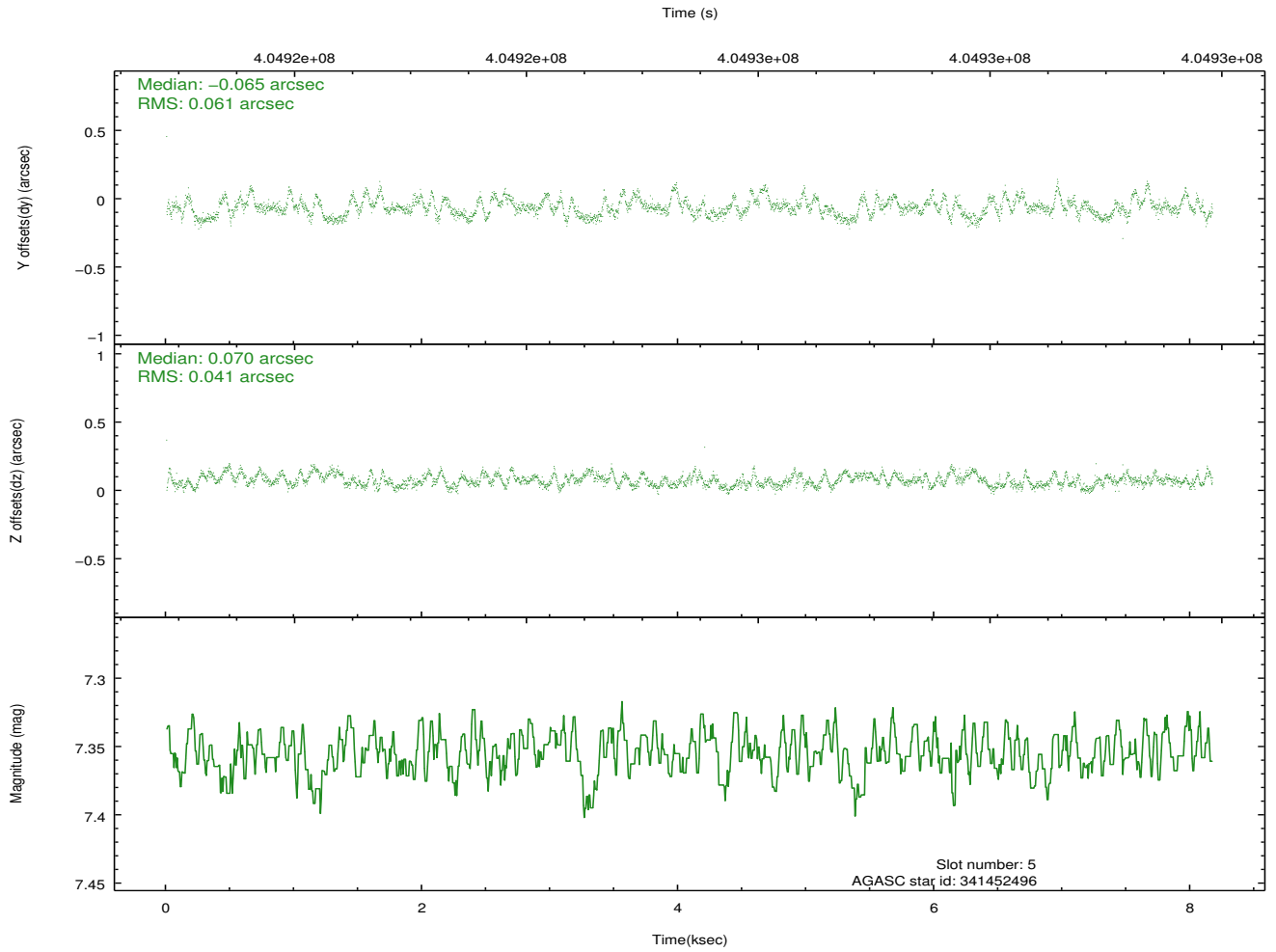
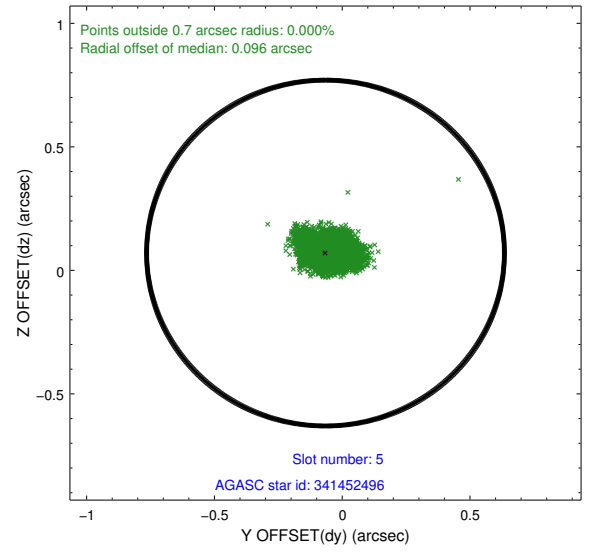
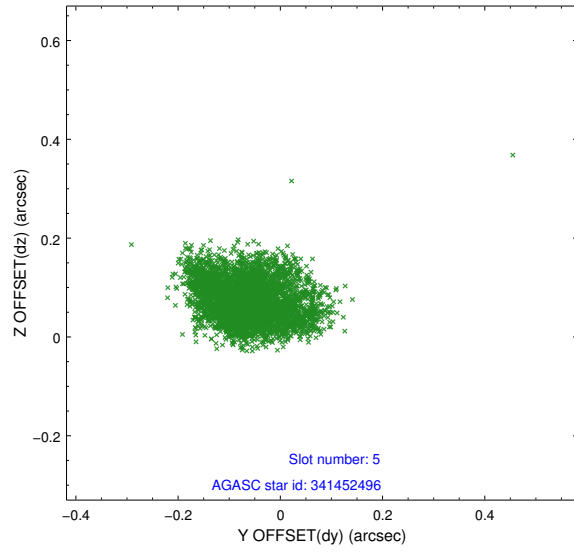
2.4.1 Slot 3



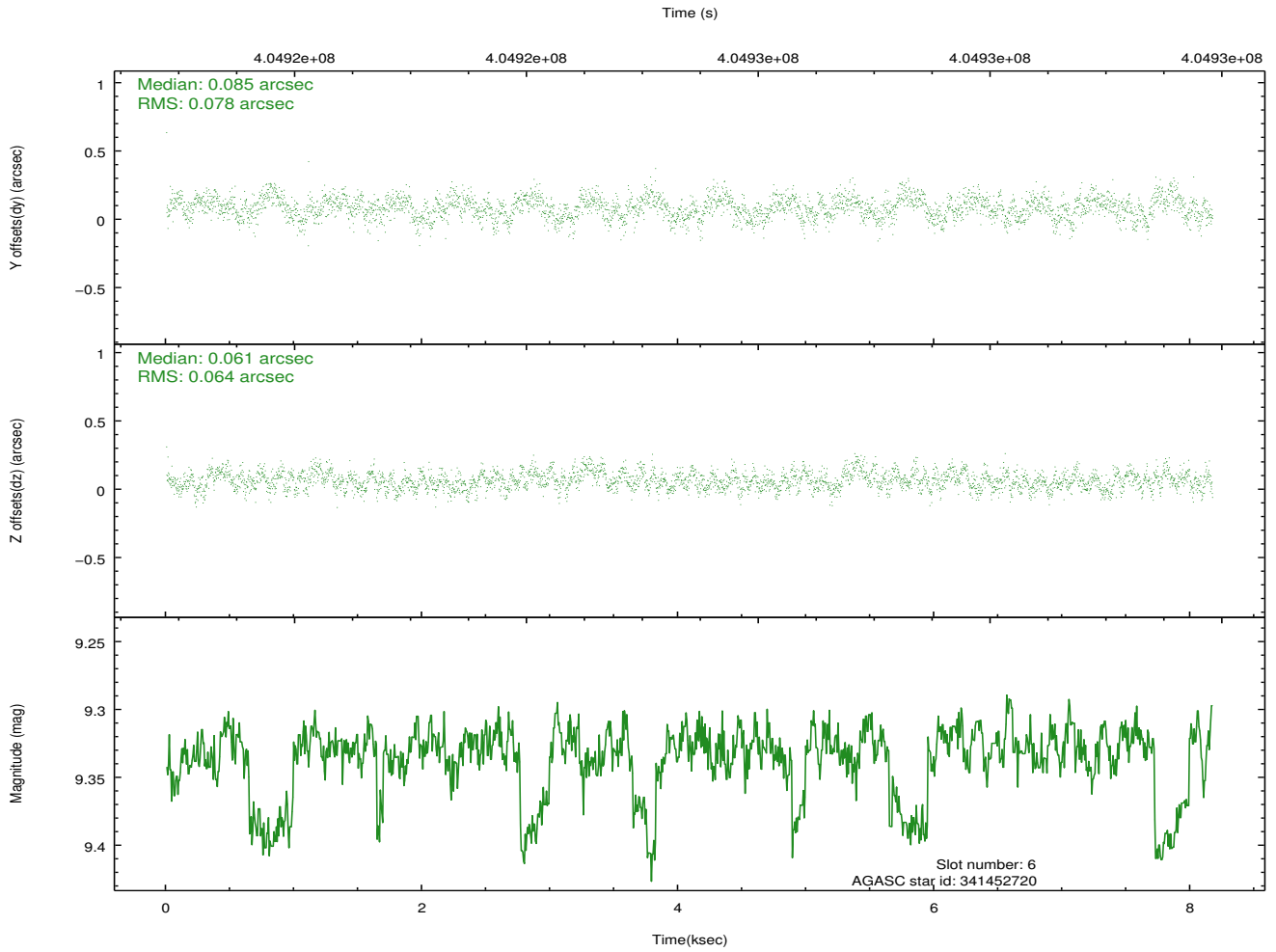
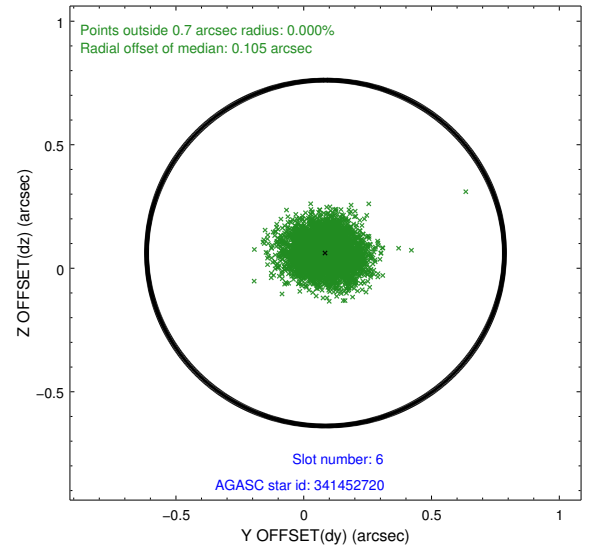
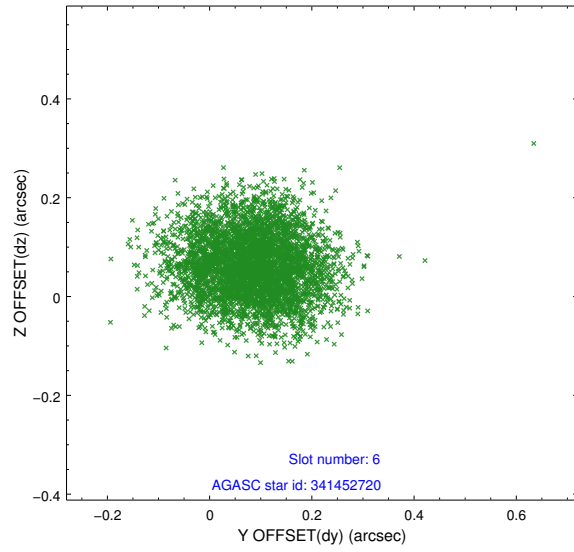
2.4.2 Slot 4



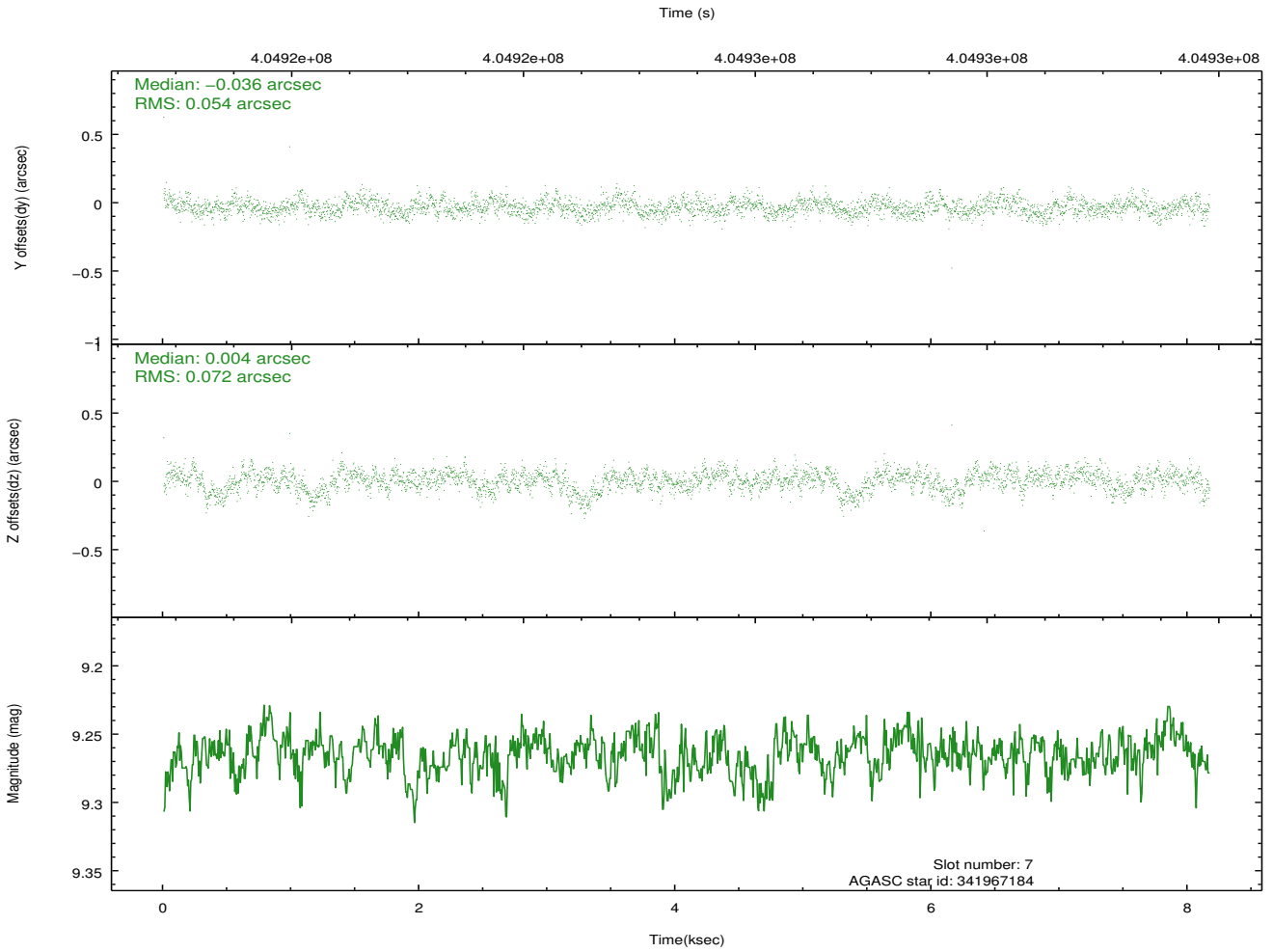
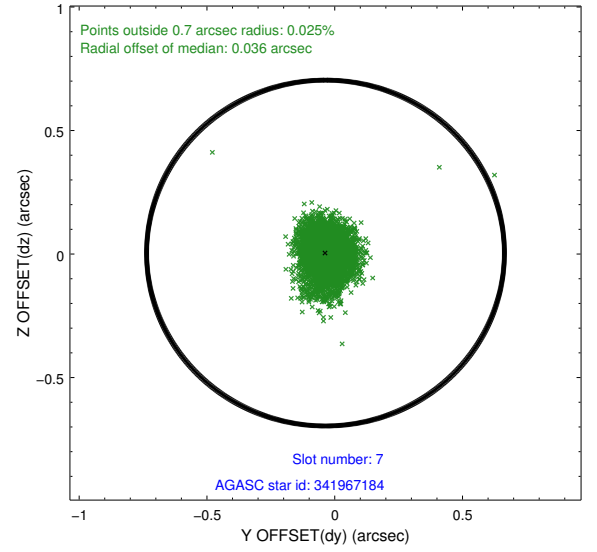
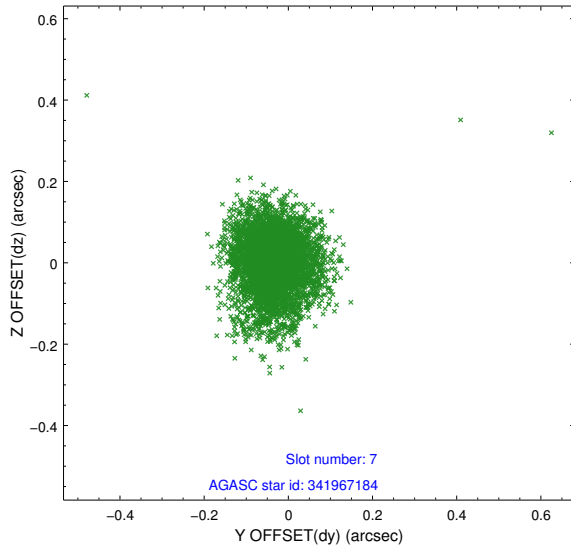
2.4.3 Slot 5



2.4.4 Slot 6

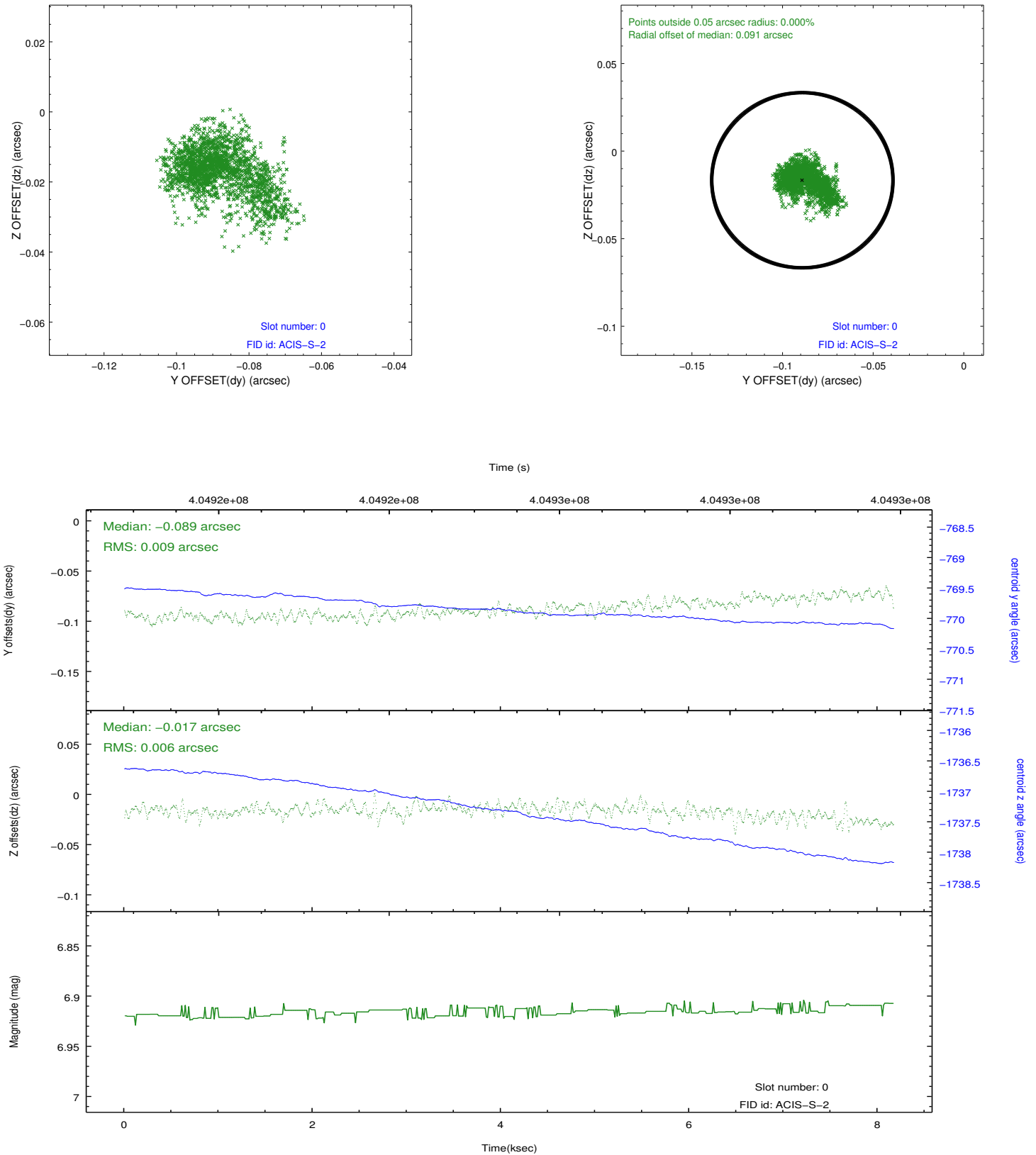


2.4.5 Slot 7

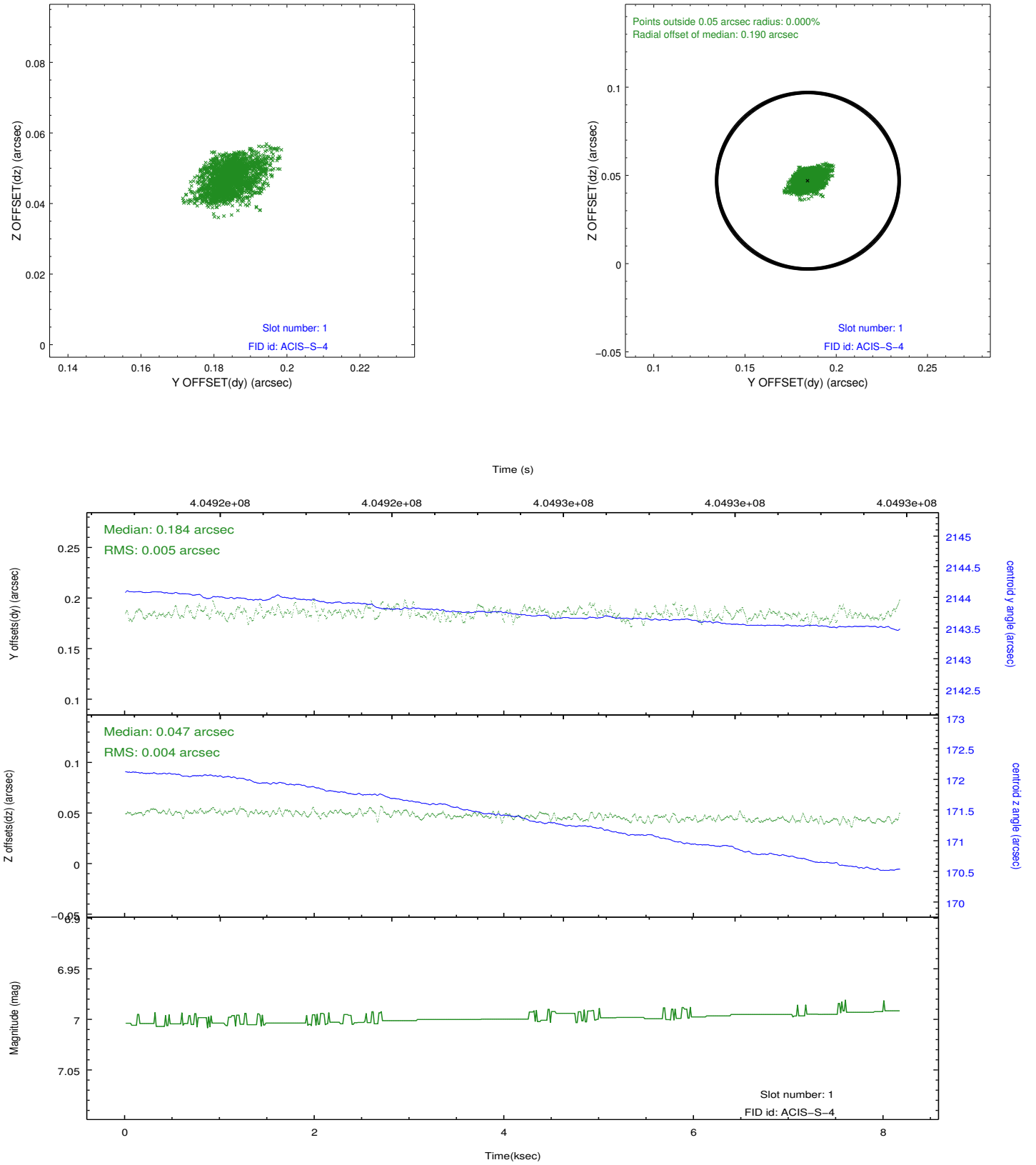


2.5 FID Slots

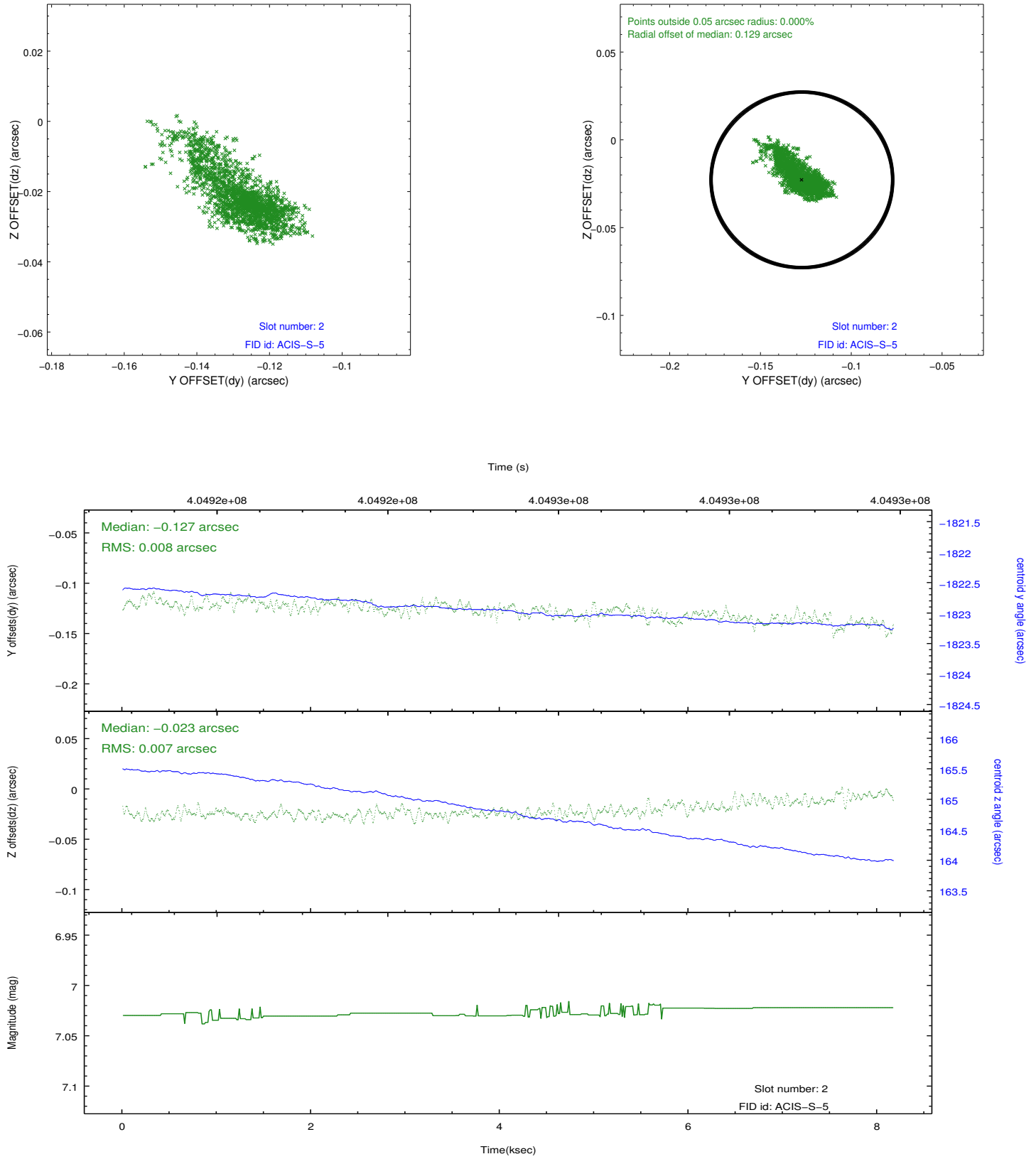
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0507000619173

A.2 Comments