

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11345 - L2 Version 2
Chandra X-Ray Center

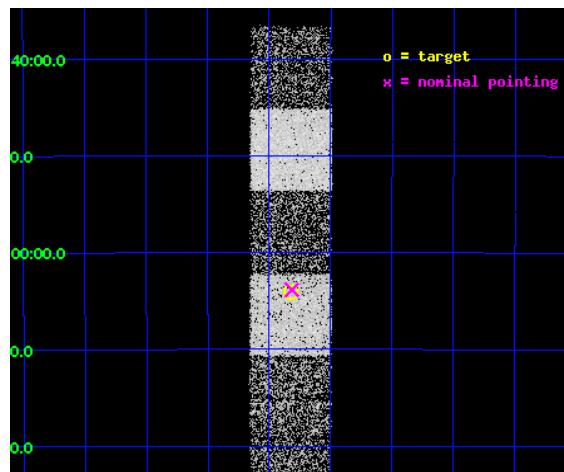
L2 Processing Date : Jul 1 2012

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

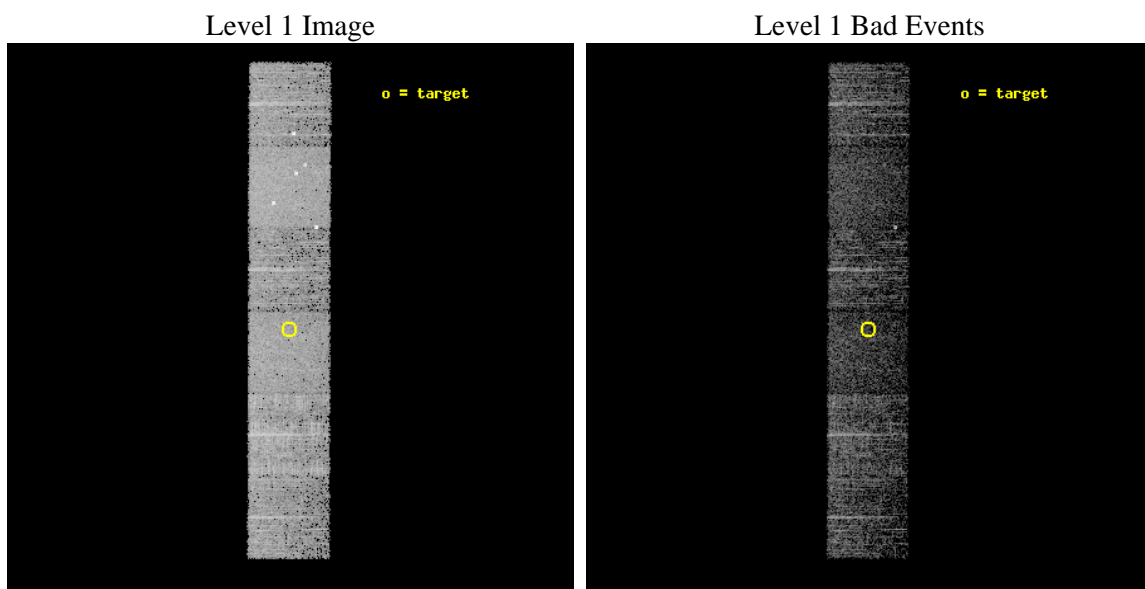
seq_num	600864	Sequence number
obs_id	11345	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	NGC1340	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.0818	Observer's specified target RA [deg]
dec_targ	-31.06808	Observer's specified target Dec [deg]
ra_nom	52.078861584633	Nominal RA [deg]
dec_nom	-31.064123974511	Nominal Dec [deg]
roll_nom	90.155124911124	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2953.5999890566	Sum of GTIs [s]
livetime	2916.1997275508	Livetime [s]
ontime4	2953.5999890566	Sum of GTIs [s]
ontime5	2953.5999890566	Sum of GTIs [s]
ontime6	2953.5999890566	Sum of GTIs [s]
ontime7	2953.5999890566	Sum of GTIs [s]
ontime8	2950.3590287566	Sum of GTIs [s]
ontime9	2953.5999890566	Sum of GTIs [s]
l2events	36261	Number of level 2 events



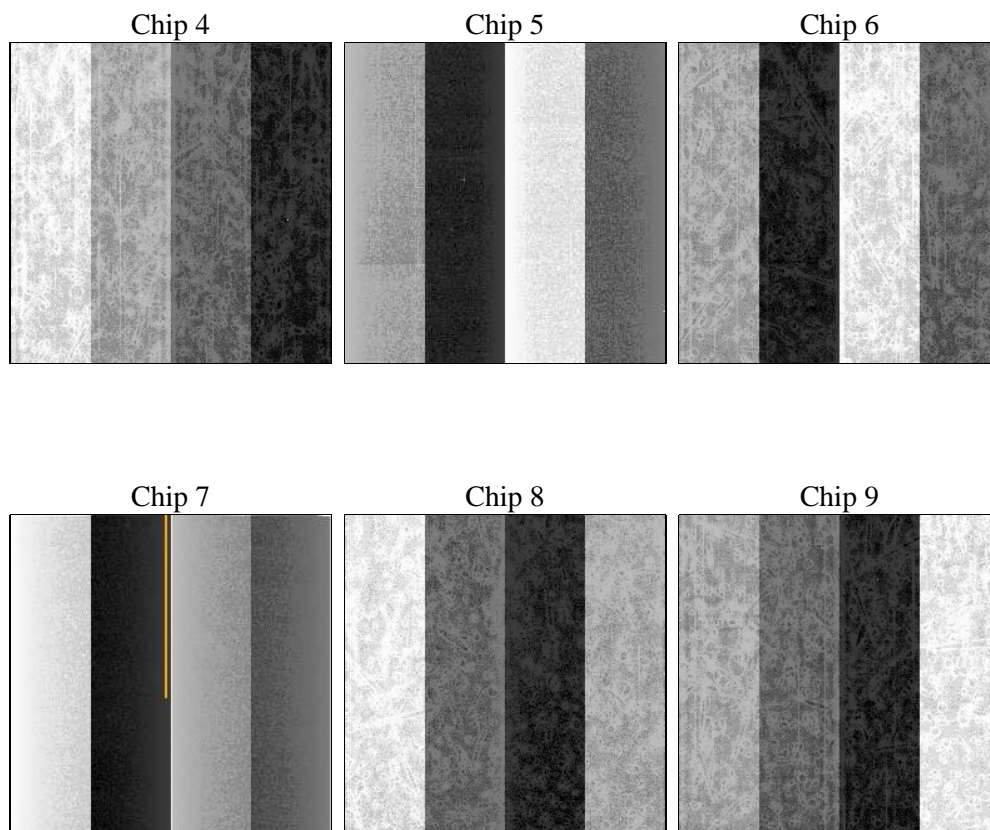
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	3200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2953.5999890566	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	2953.5999890566	Sum of GTIs [s]
date	2012-07-01T16:20:55	Date and time of file creation	ontime5	2953.5999890566	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2953.5999890566	Sum of GTIs [s]
			ontime7	2953.5999890566	Sum of GTIs [s]
			ontime8	2950.3590287566	Sum of GTIs [s]
			ontime9	2953.5999890566	Sum of GTIs [s]
			l1events	159978	Number of level 1 events

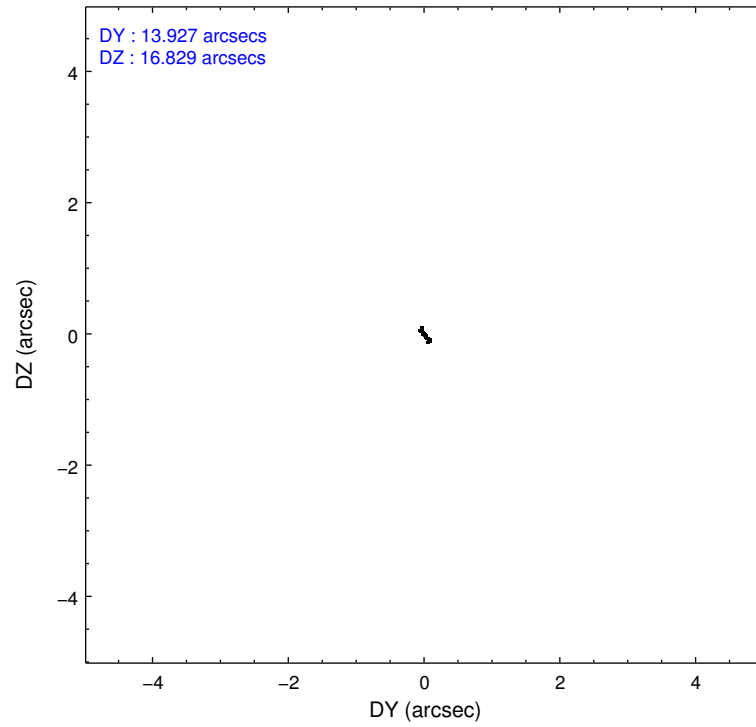
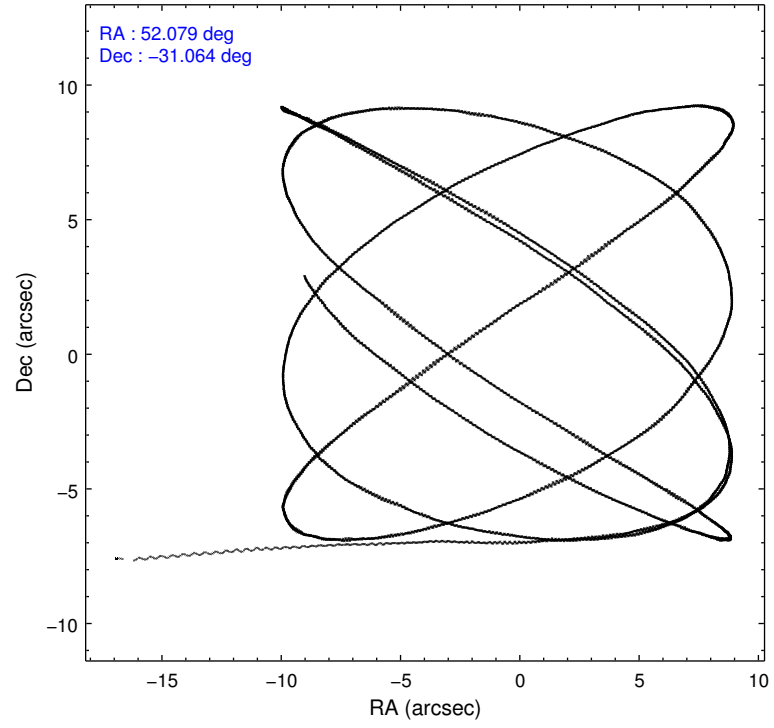
2.1.4 Events

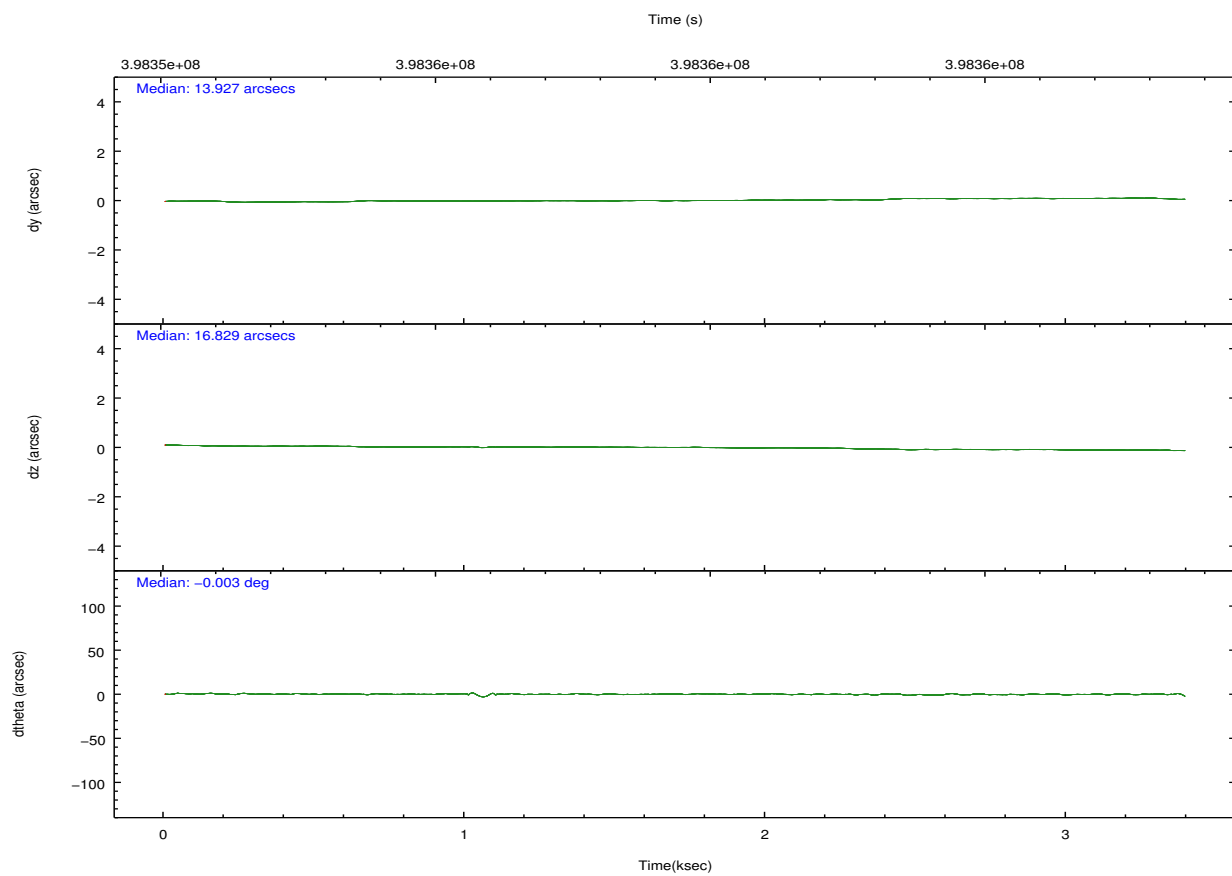
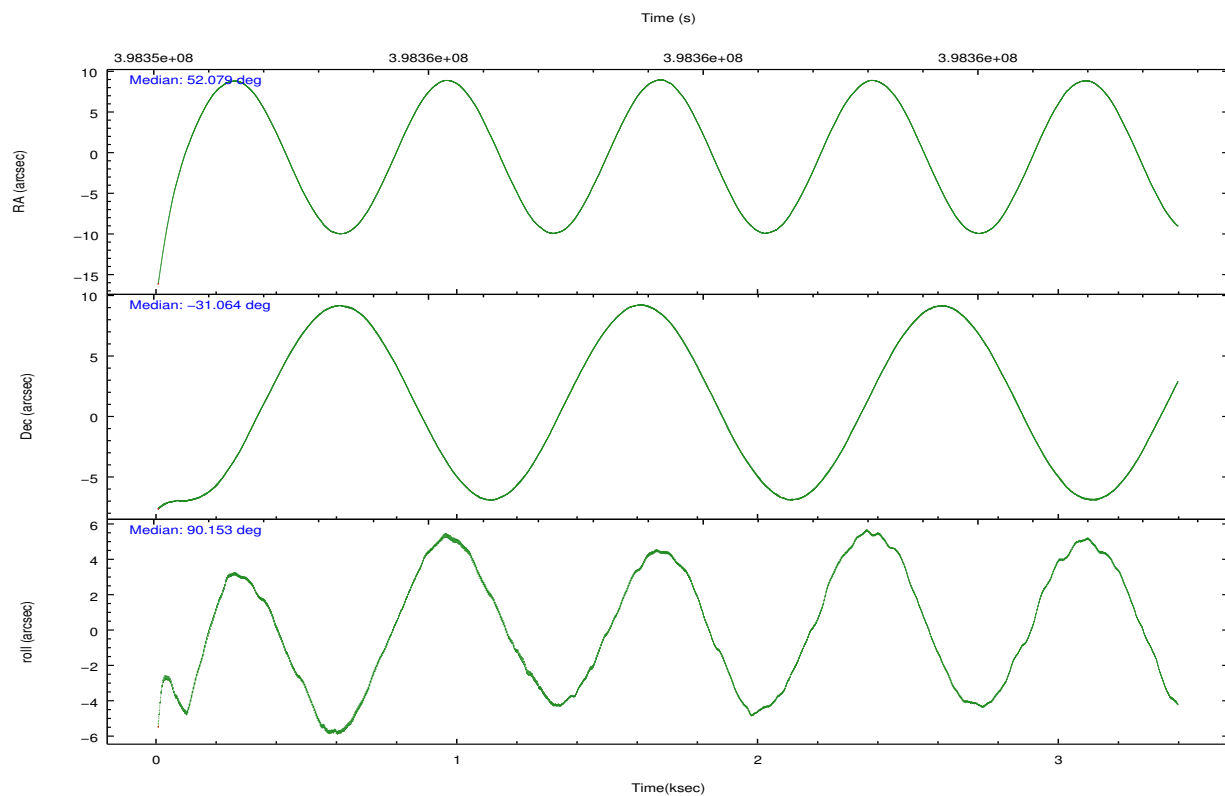
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	24966	34699	21268	27056	30937	21052	grade 0 events	1639	2437	893	1186	2396	971
rejected events	21783	17025	18864	14806	23281	18396		6%	7%	4%	4%	7%	4%
rejected %	87%	49%	88%	54%	75%	87%	grade 1 events	33	148	10	35	36	15
								0%	0%	0%	0%	0%	0%
							grade 2 events	612	5053	531	2485	1677	573
								2%	14%	2%	9%	5%	2%
							grade 3 events	271	658	237	1135	890	270
								1%	1%	1%	4%	2%	1%
							grade 4 events	256	677	223	1123	787	271
								1%	1%	1%	4%	2%	1%
							grade 5 events	913	2574	972	2824	1374	1091
								3%	7%	4%	10%	4%	5%
							grade 6 events	410	8882	522	6339	1944	582
								1%	25%	2%	23%	6%	2%
							grade 7 events	20832	14270	17880	11929	21833	17279
								83%	41%	84%	44%	70%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	52.095228	52.07886158463252	CCD I2 on	N	N
[deg] Pointing Dec	-31.087409	-31.06412397451062	CCD I3 on	N	N
[deg] Pointing Roll	90.006936	90.15512491112422	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	398354374.184000	398352786.07427	CCD S5 on	O2	Y
Observation start date	2010-08-16T13:58:28	2010-08-16T13:33:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	398357574.184000	398358328.24955	On-chip summing requested	N	N
Observation end date	2010-08-16T14:51:48	2010-08-16T15:05:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



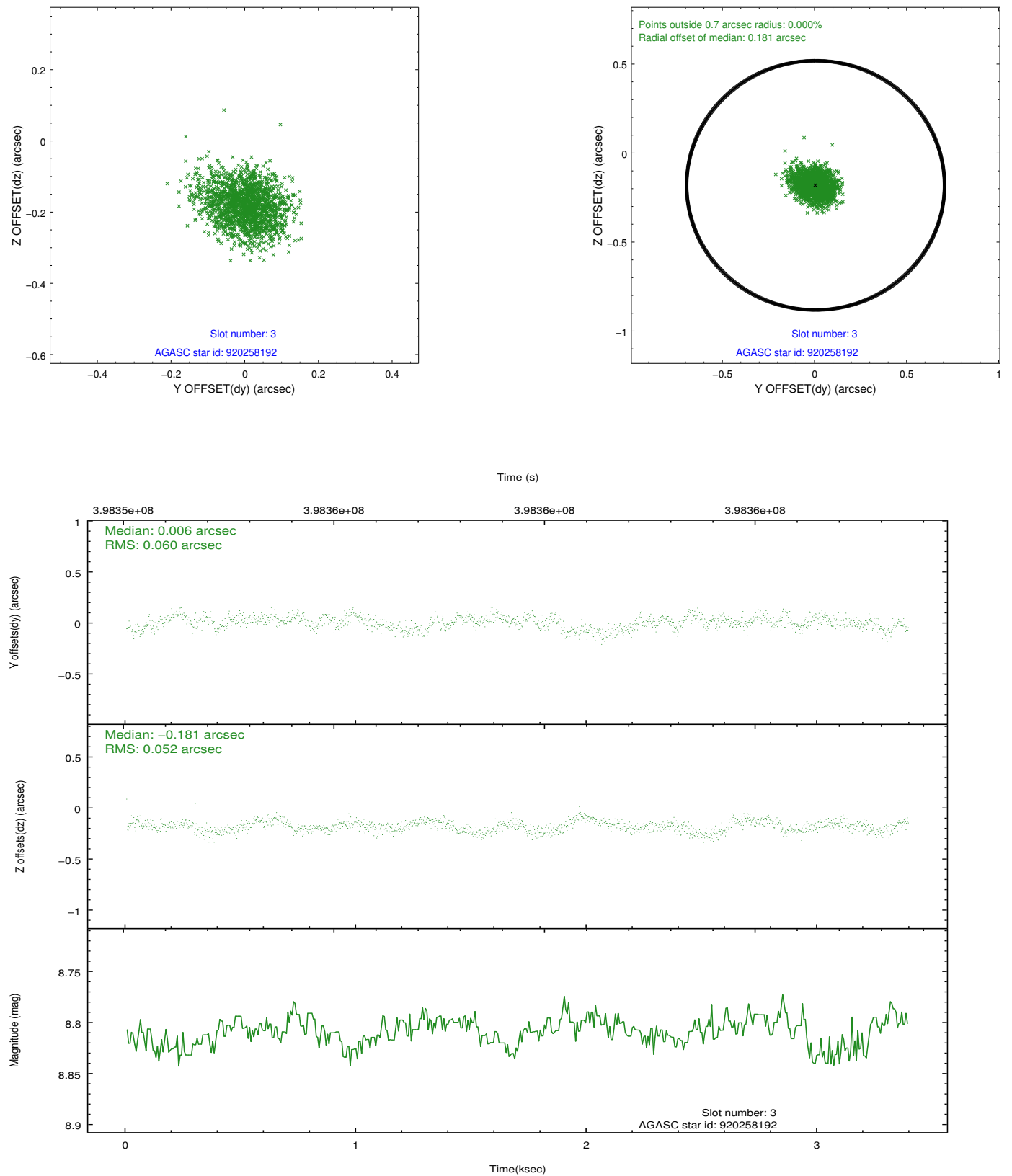


Slot Statistics

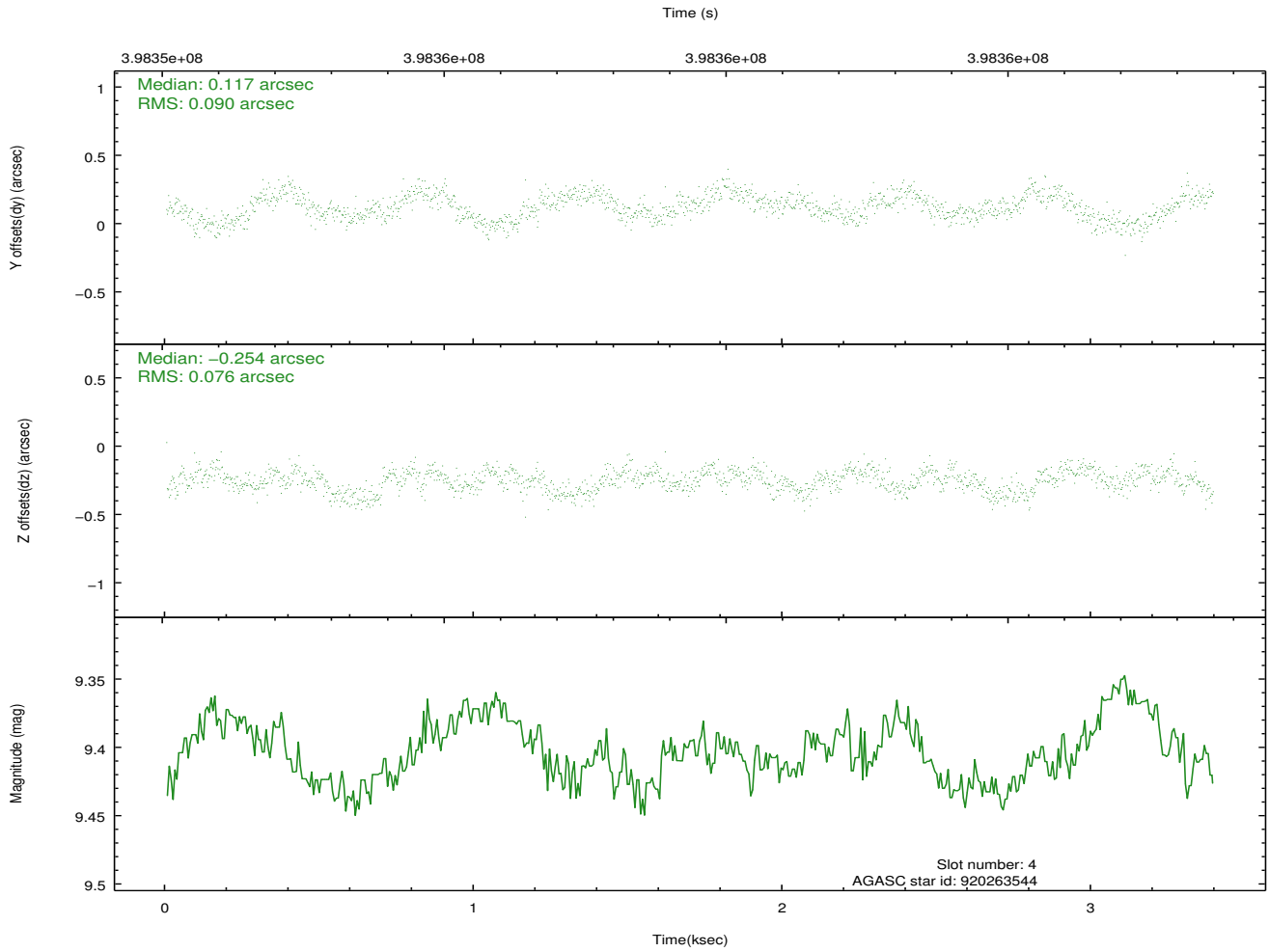
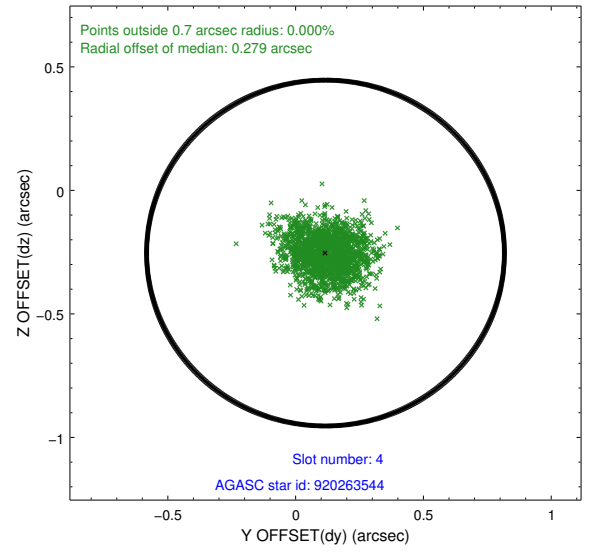
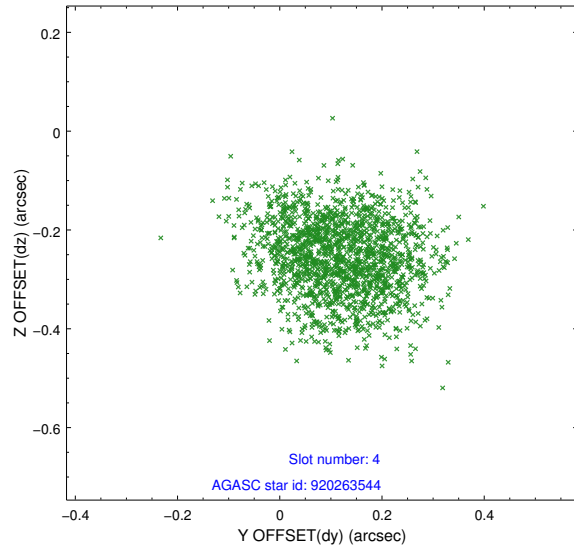
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	828	-0.038	-0.016	0.007	0.013	0.000000	0.000000	-766.95	-1738.19
1	FID	ACIS-S-4	6.97	828	0.177	0.023	0.006	0.012	0.000000	0.000000	2145.72	168.35
2	FID	ACIS-S-5	6.99	828	-0.171	0.002	0.006	0.010	0.000000	0.000000	-1817.50	164.18
3	GUIDE	920258192	8.81	1654	0.006	-0.181	0.084	0.137	51.530930	-31.661232	-2069.47	1729.43
4	GUIDE	920263544	9.40	1654	0.117	-0.254	0.128	0.199	51.874006	-31.220868	-481.61	682.11
5	GUIDE	920264600	9.09	1653	-0.284	0.014	0.094	0.154	51.565315	-30.761036	1171.24	1639.85
6	GUIDE	920264768	8.53	1655	0.232	0.209	0.070	0.113	52.326767	-31.671181	-2100.78	-707.71
7	GUIDE	920265016	8.05	1589	-0.073	0.222	0.071	0.119	52.895699	-31.673528	-2120.21	-2452.12

2.4 Star Slots

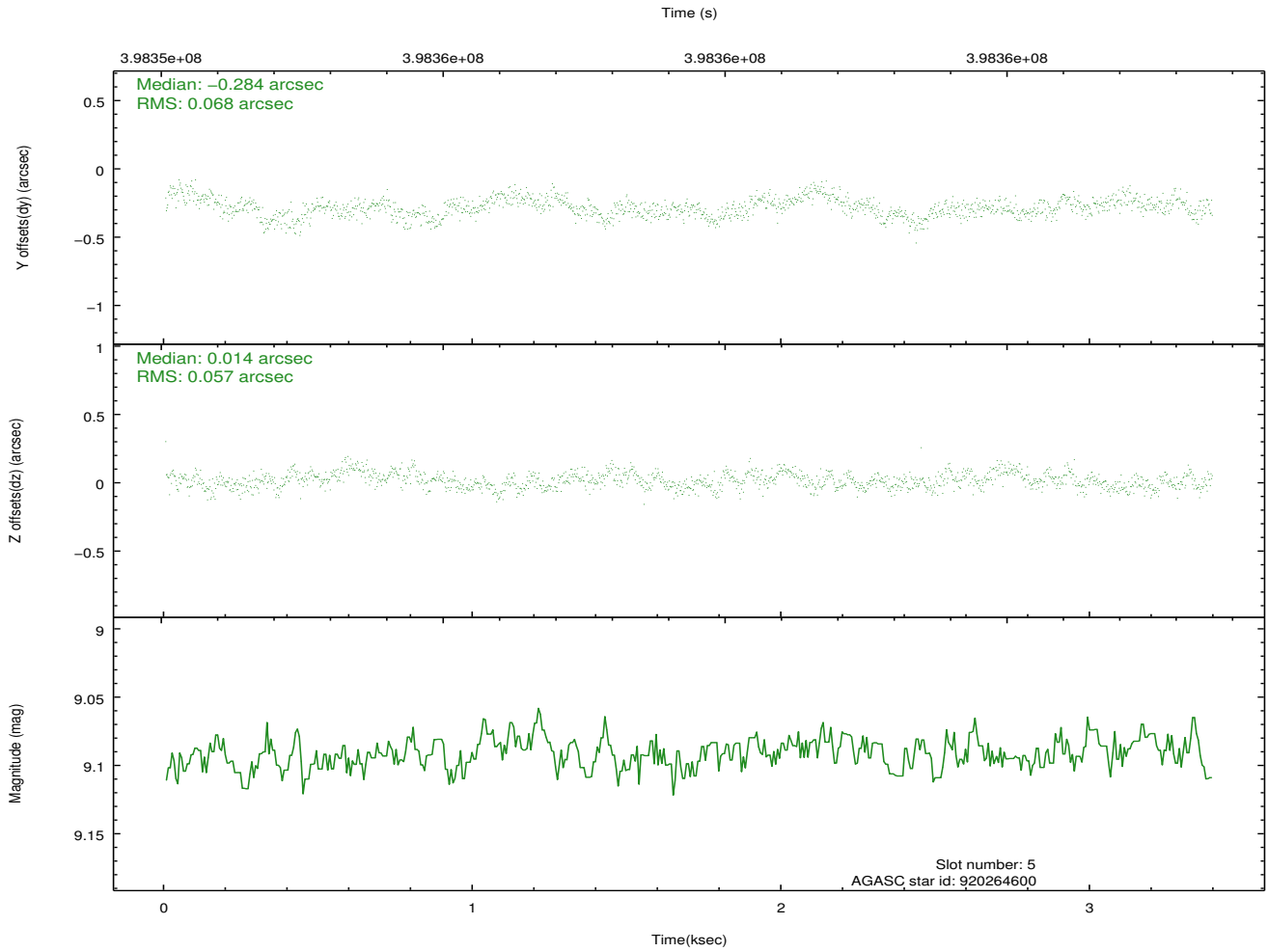
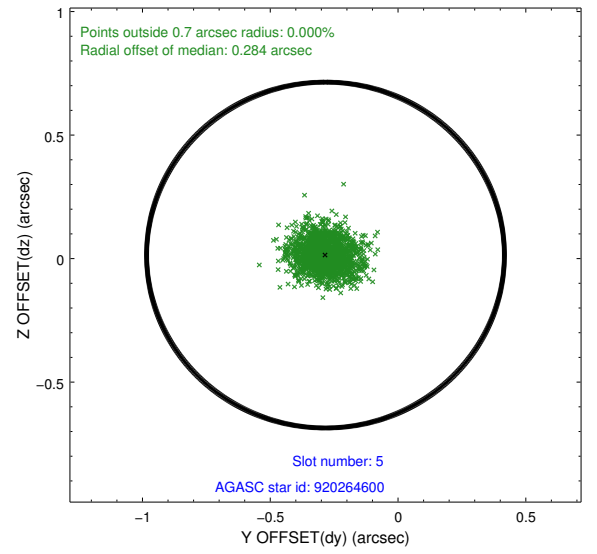
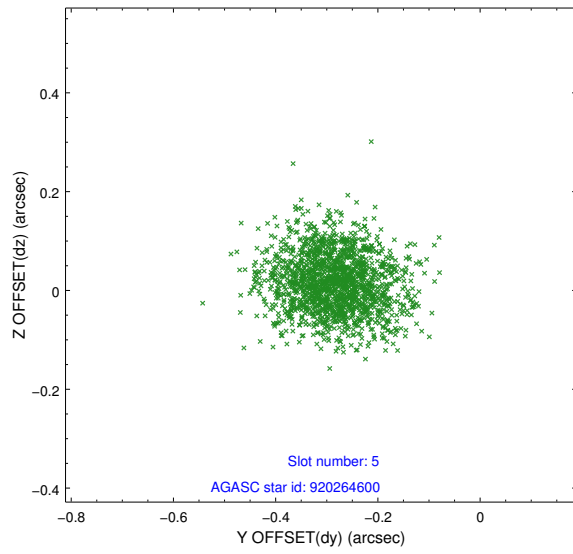
2.4.1 Slot 3



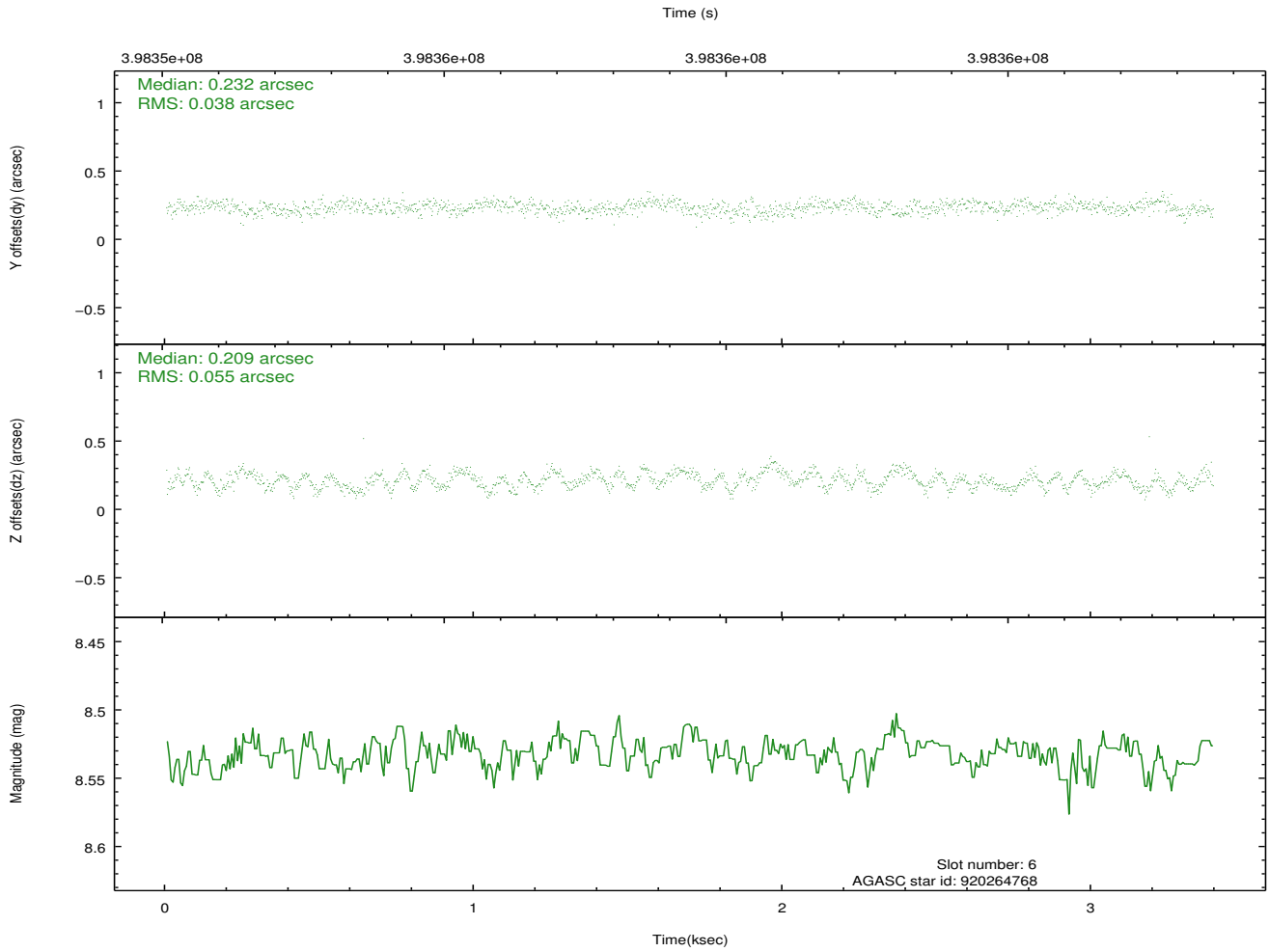
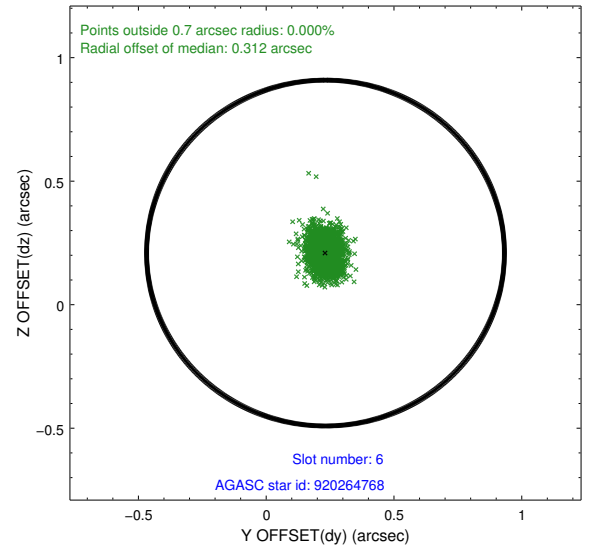
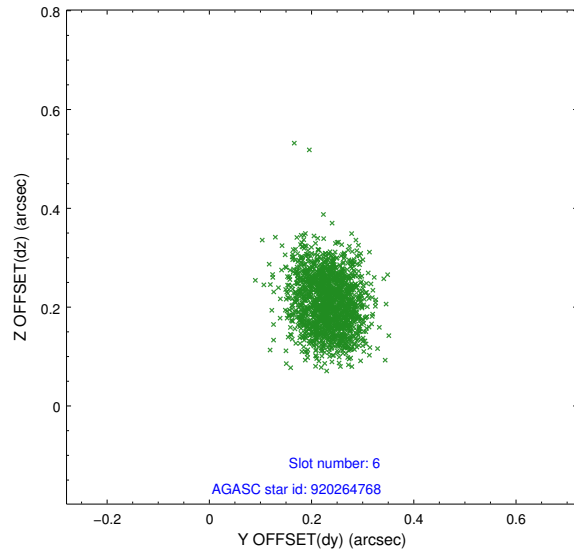
2.4.2 Slot 4



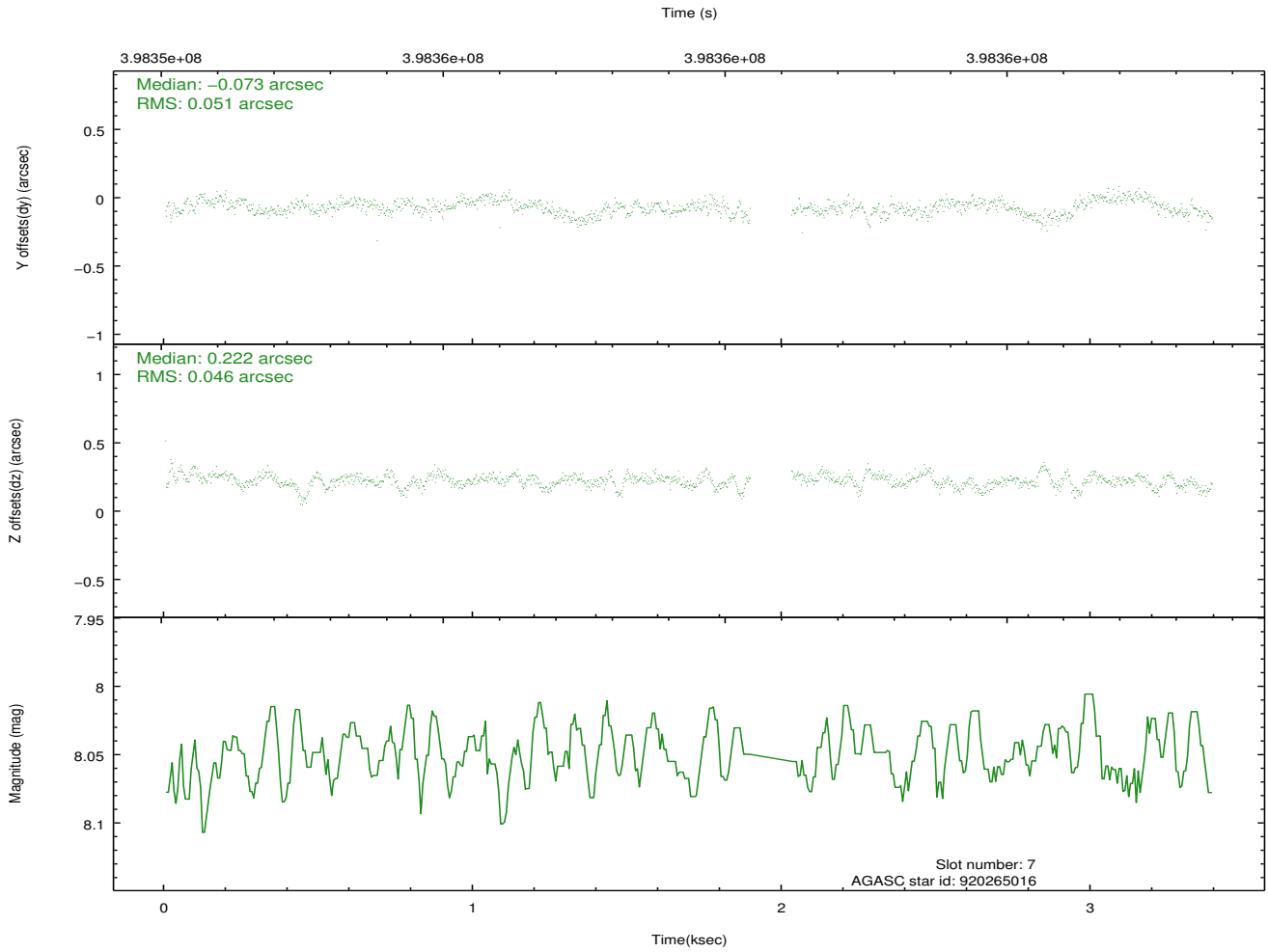
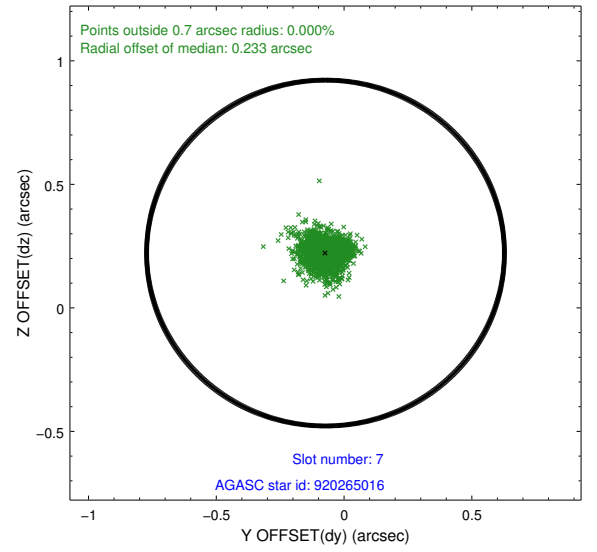
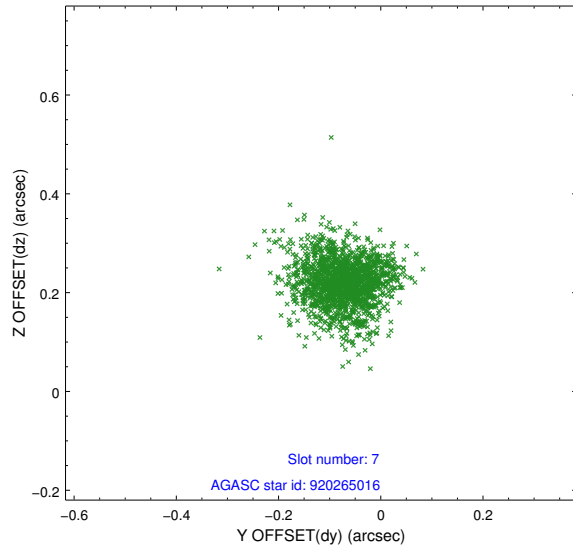
2.4.3 Slot 5



2.4.4 Slot 6

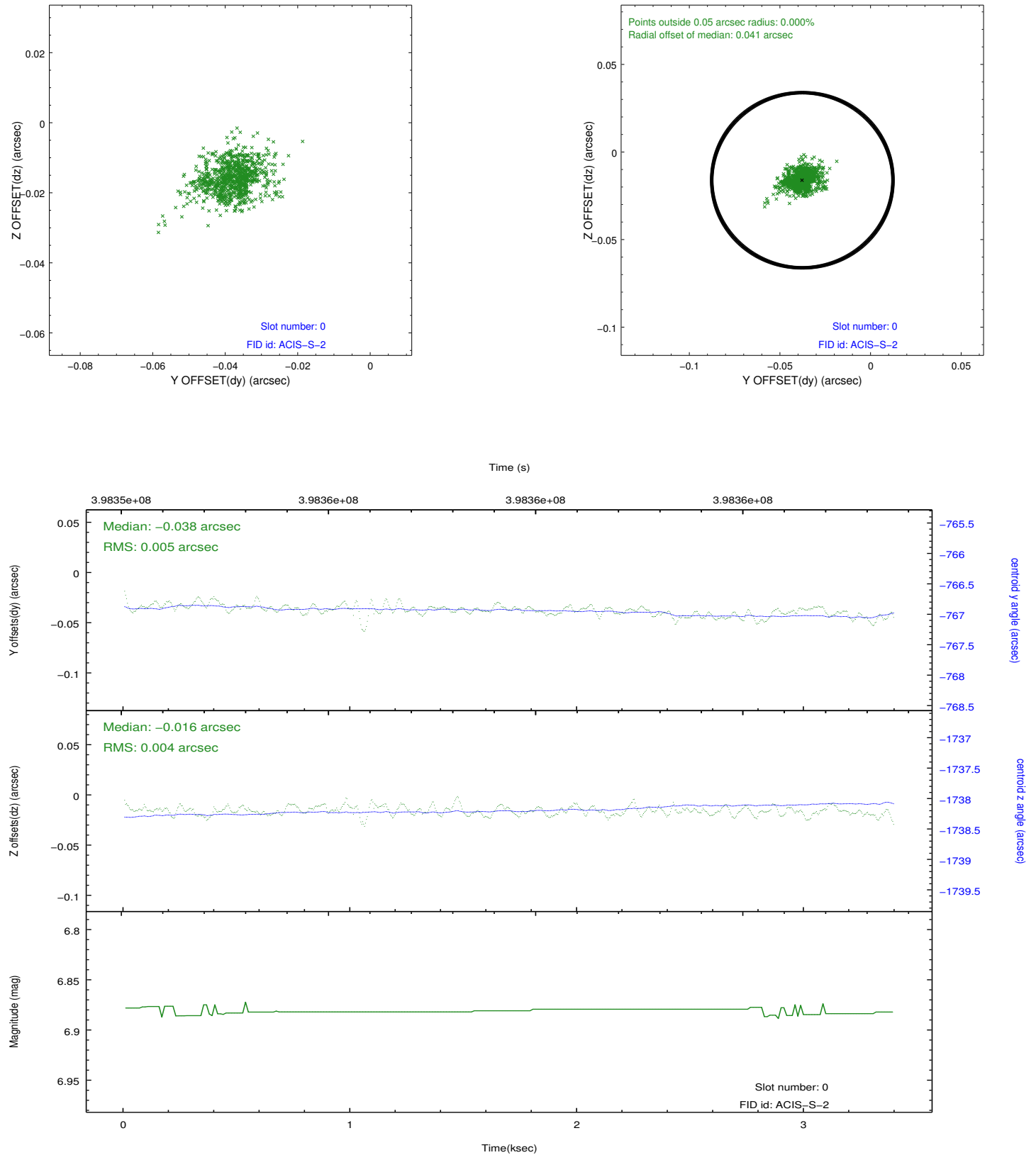


2.4.5 Slot 7

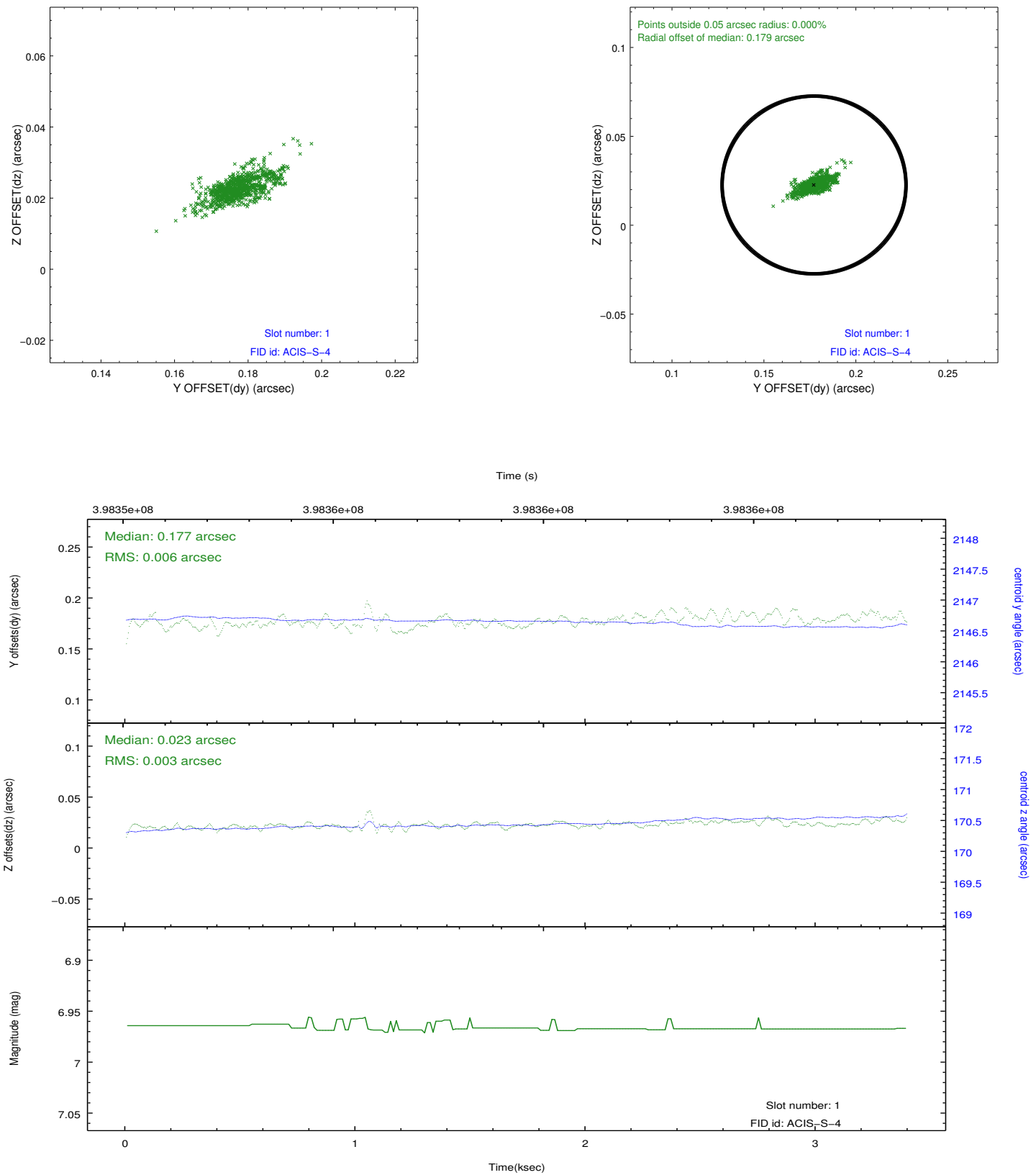


2.5 FID Slots

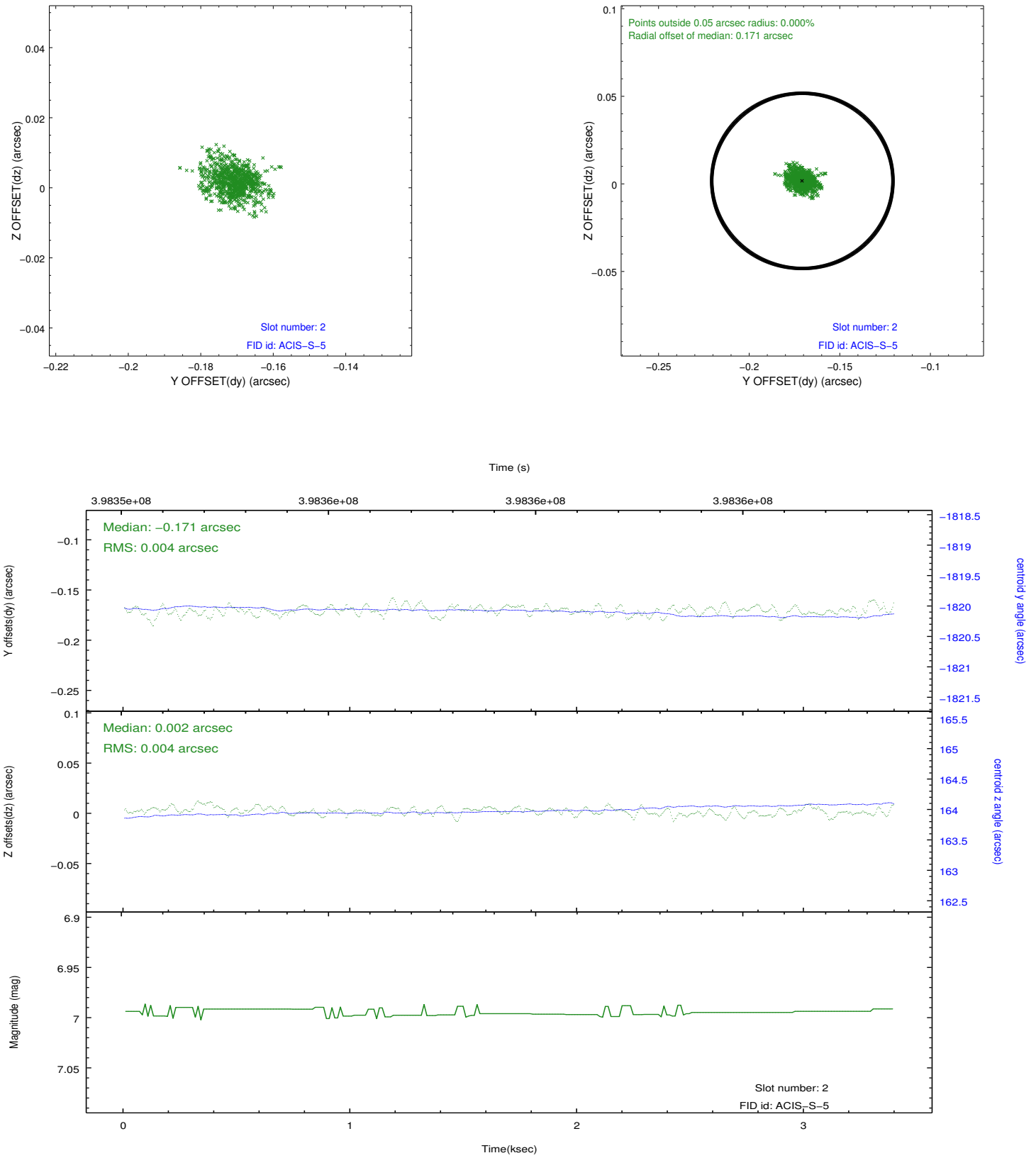
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9535999890566

A.2 Comments