

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11324 - L2 Version 2
Chandra X-Ray Center

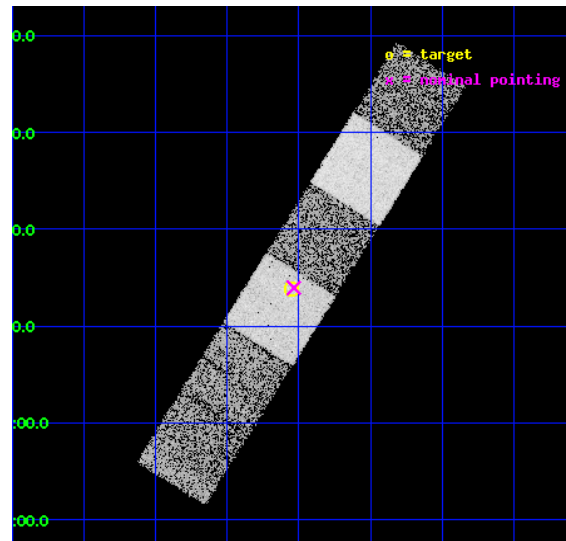
L2 Processing Date : Jun 24 2012

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

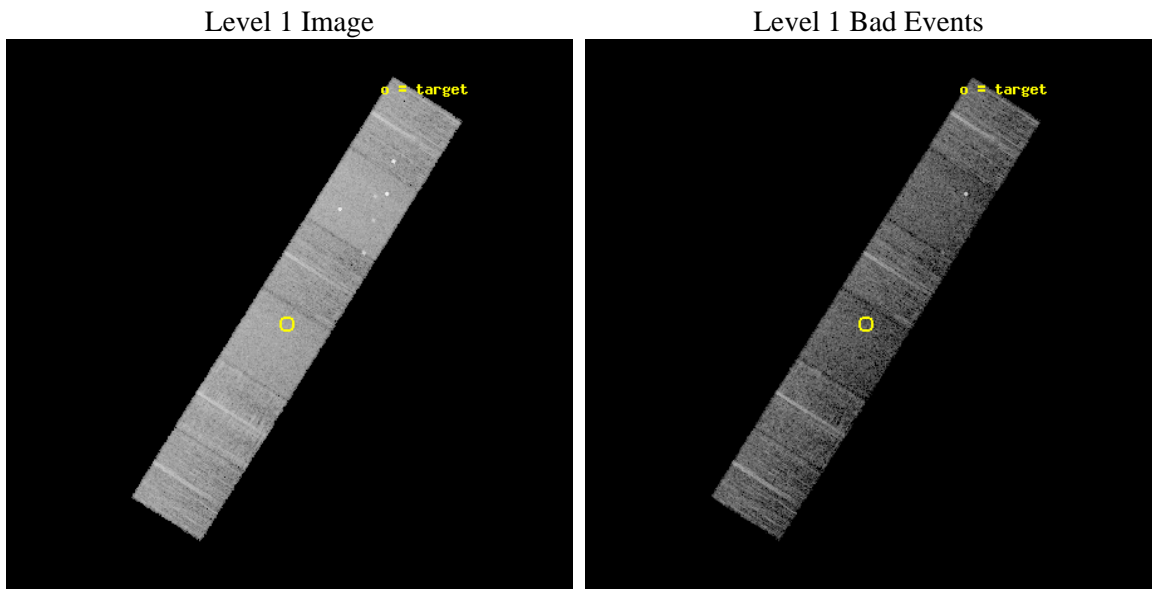
seq_num	600843	Sequence number
obs_id	11324	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	SDSSJ150033.02+021349.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.138	Observer's specified target RA [deg]
dec_targ	2.23036	Observer's specified target Dec [deg]
ra_nom	225.13367631041	Nominal RA [deg]
dec_nom	2.2324696169371	Nominal Dec [deg]
roll_nom	122.1567791673	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6348.4011889696	Sum of GTIs [s]
livetime	6268.0139105666	Livetime [s]
ontime4	6348.4422289729	Sum of GTIs [s]
ontime5	6348.3601489663	Sum of GTIs [s]
ontime6	6348.319108963	Sum of GTIs [s]
ontime7	6348.4011889696	Sum of GTIs [s]
ontime8	6348.2780689597	Sum of GTIs [s]
ontime9	6348.2370289564	Sum of GTIs [s]
l2events	78874	Number of level 2 events



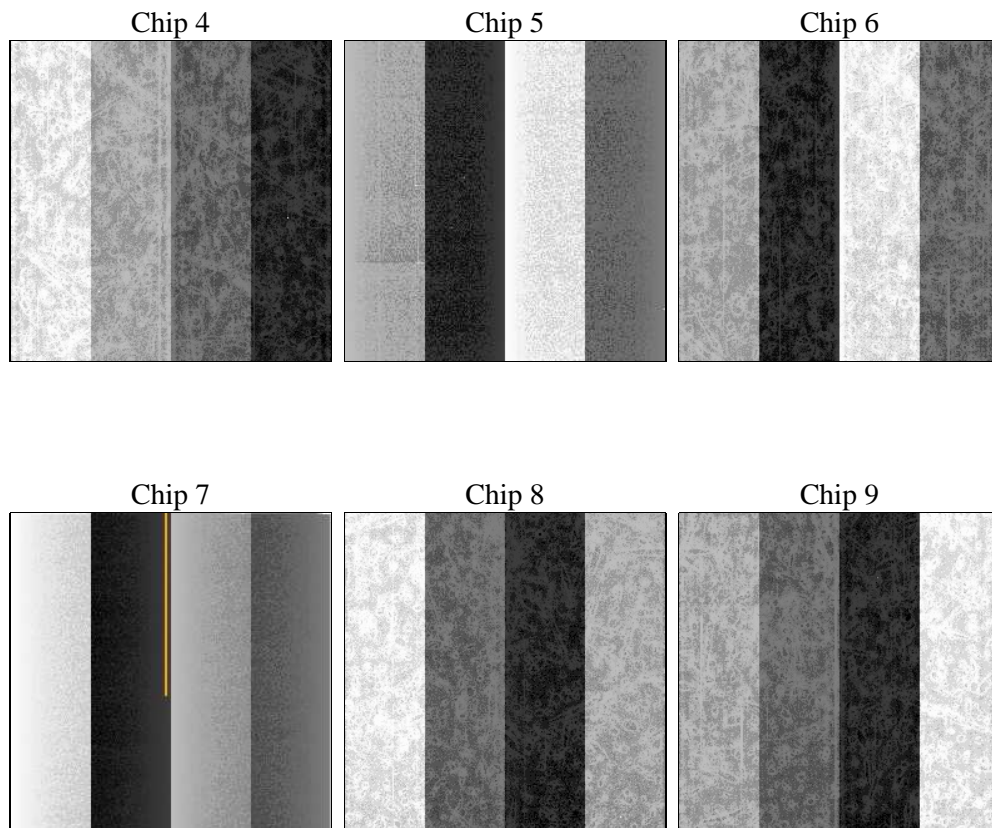
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6348.4011889696	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	6348.4422289729	Sum of GTIs [s]
date	2012-06-24T08:12:42	Date and time of file creation	ontime5	6348.3601489663	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6348.319108963	Sum of GTIs [s]
			ontime7	6348.4011889696	Sum of GTIs [s]
			ontime8	6348.2780689597	Sum of GTIs [s]
			ontime9	6348.2370289564	Sum of GTIs [s]
			l1events	348332	Number of level 1 events

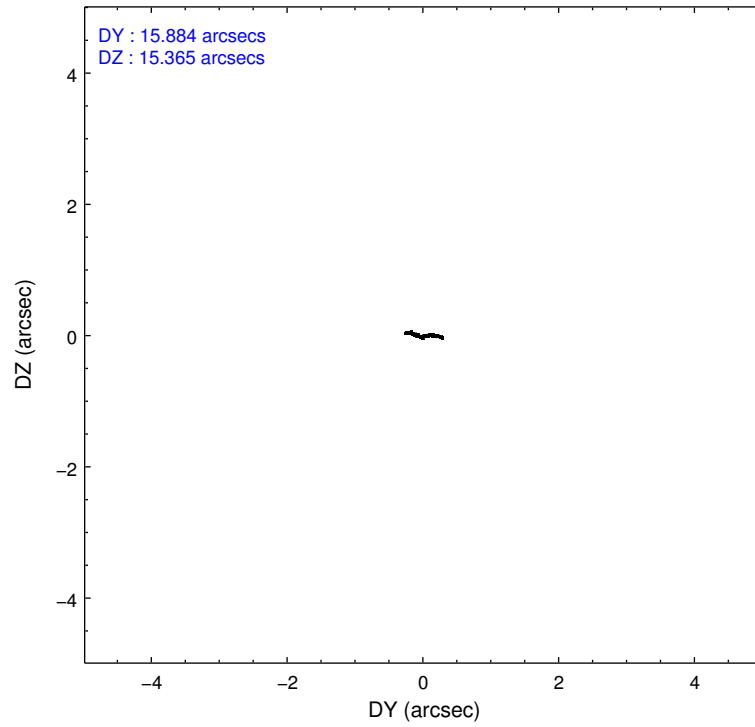
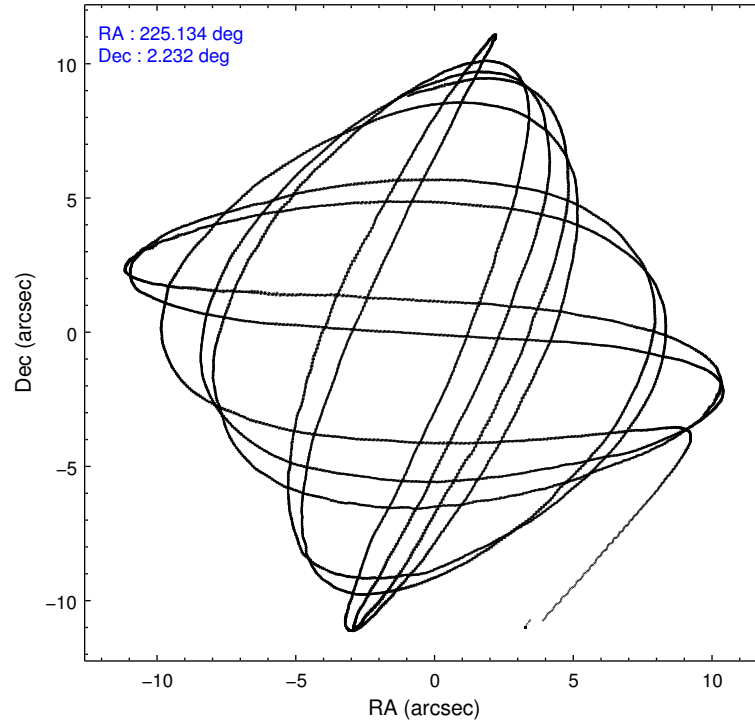
2.1.4 Events

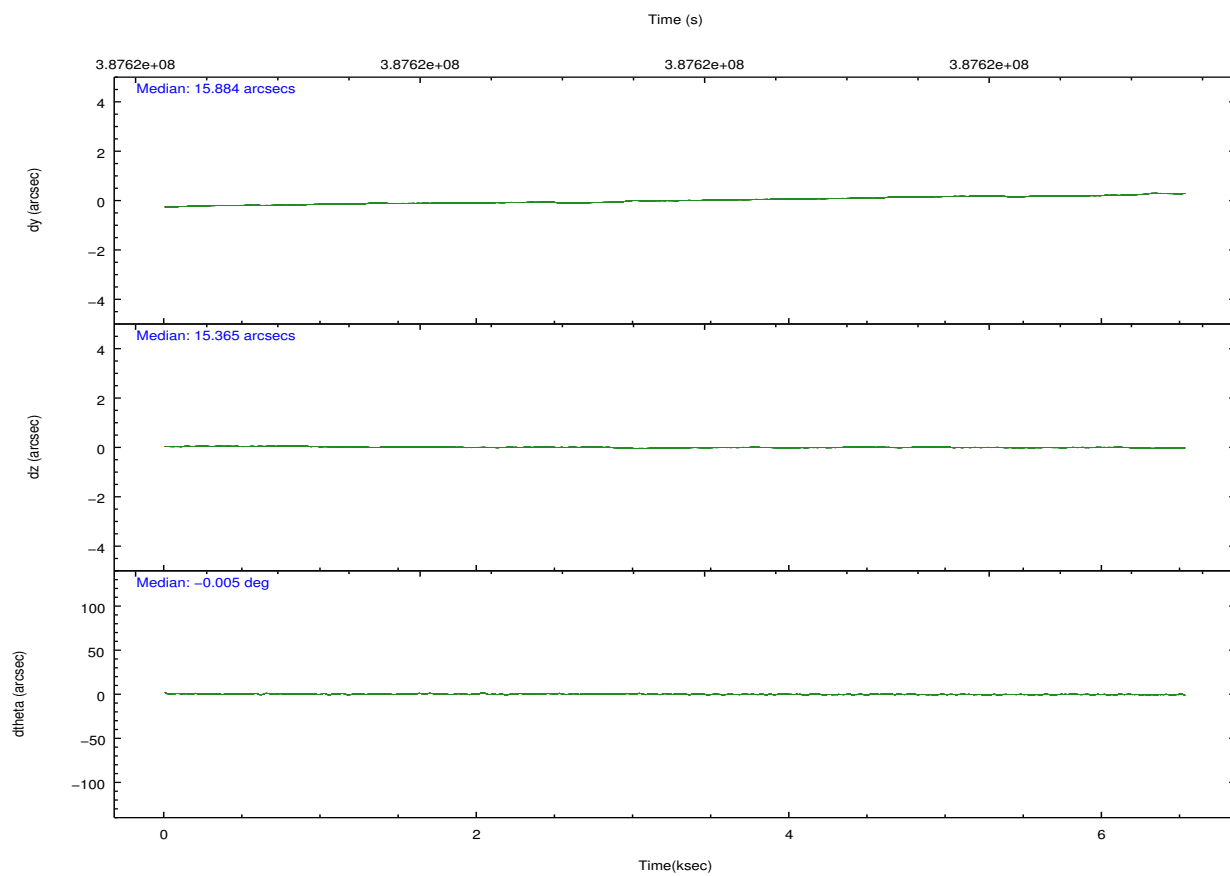
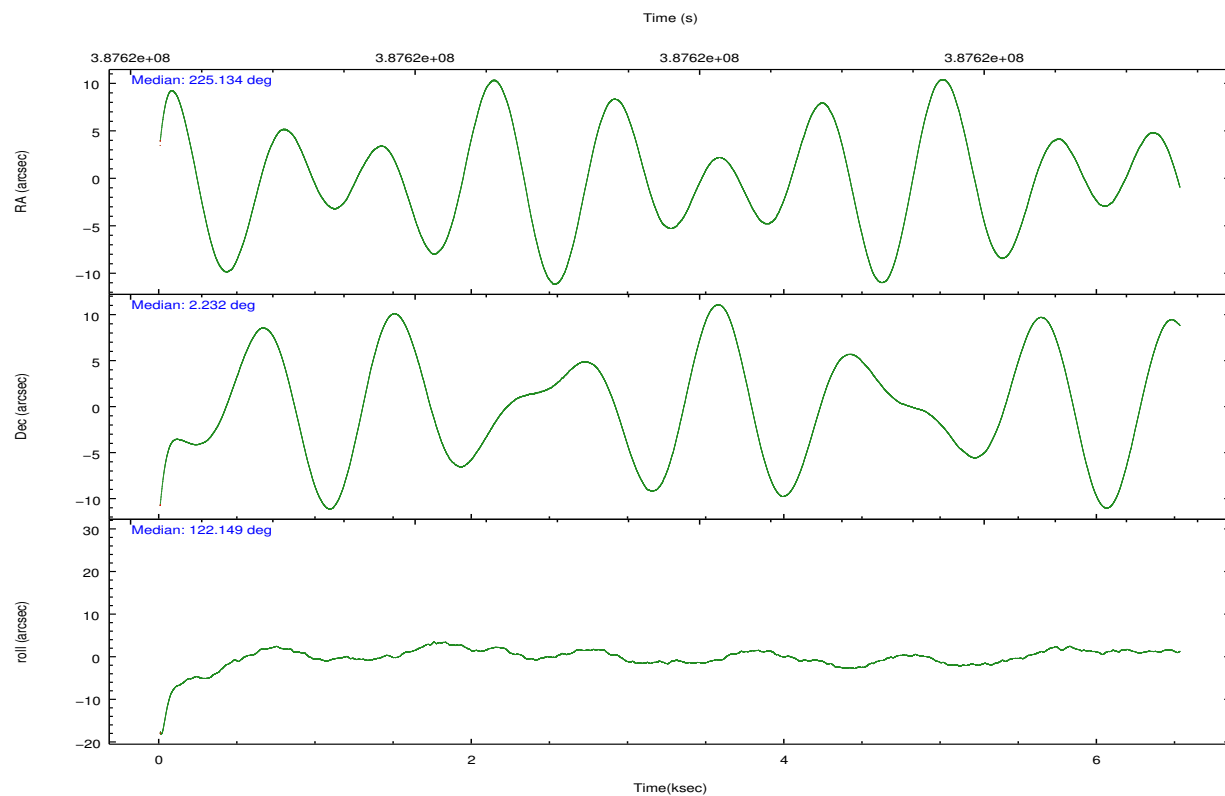
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	57016	74355	49313	58335	60727	48586	grade 0 events	3620	4852	1915	2509	4713	2141
rejected events	49902	36524	44016	31899	45094	42966		6%	6%	3%	4%	7%	4%
rejected %	87%	49%	89%	54%	74%	88%	grade 1 events	61	534	33	73	57	25
								0%	0%	0%	0%	0%	0%
							grade 2 events	1310	11209	1144	5353	3565	1167
								2%	15%	2%	9%	5%	2%
							grade 3 events	619	1466	547	2378	1689	584
								1%	1%	1%	4%	2%	1%
							grade 4 events	614	1408	533	2334	1618	561
								1%	1%	1%	4%	2%	1%
							grade 5 events	2115	5856	2176	6058	3109	2304
								3%	7%	4%	10%	5%	4%
							grade 6 events	956	18912	1161	13866	4052	1169
								1%	25%	2%	23%	6%	2%
							grade 7 events	47721	30118	41804	25764	41924	40635
								83%	40%	84%	44%	69%	83%

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	225.158013	225.1336763104134	CCD I2 on	N	N
[deg] Pointing Dec	2.220064	2.232469616937143	CCD I3 on	N	N
[deg] Pointing Roll	121.999224	122.1567791673037	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	387618762.184000	387617732.46426	CCD S5 on	O2	Y
Observation start date	2010-04-14T07:51:36	2010-04-14T07:35:32	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	387625062.184000	387626263.5397	On-chip summing requested	N	N
Observation end date	2010-04-14T09:36:36	2010-04-14T09:57:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



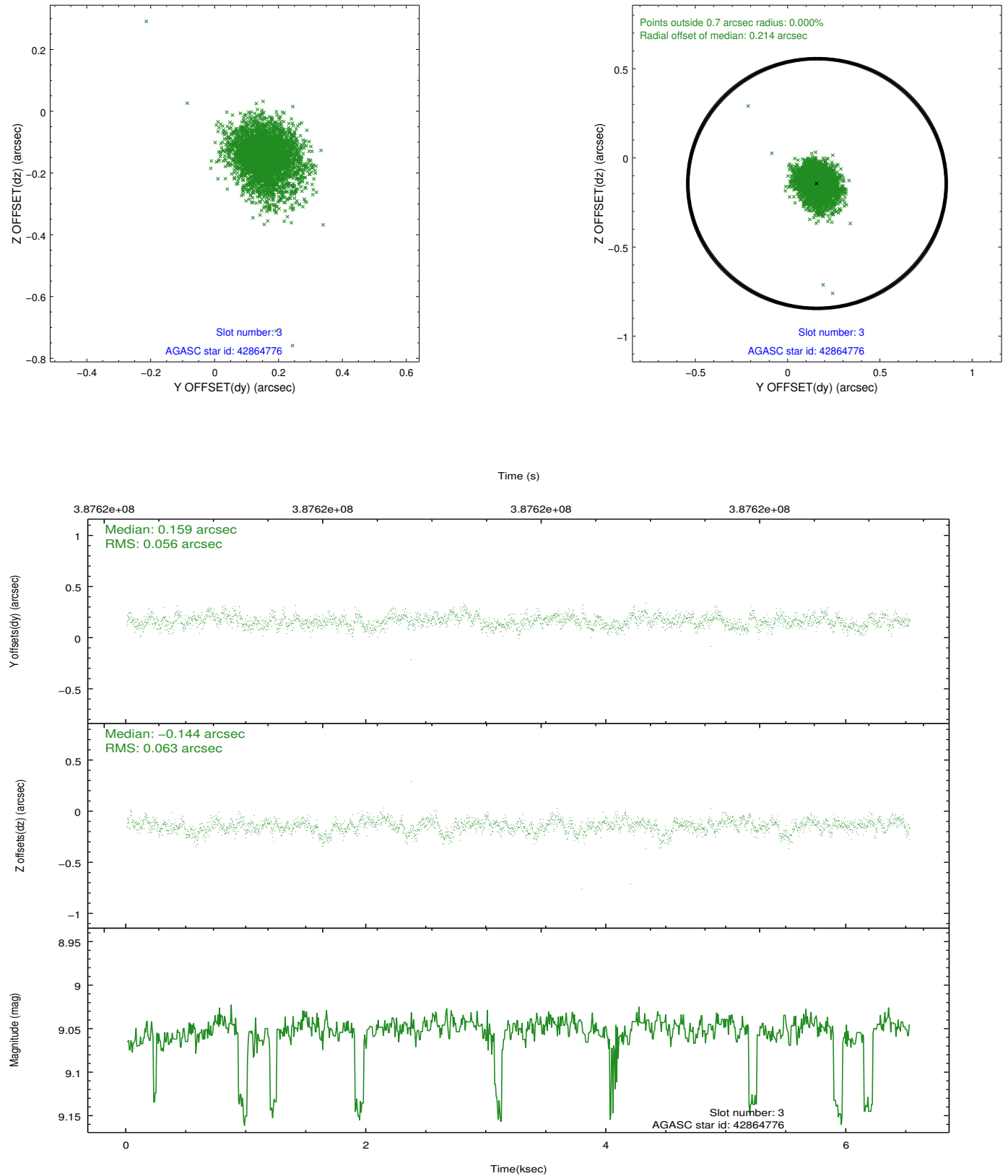


Slot Statistics

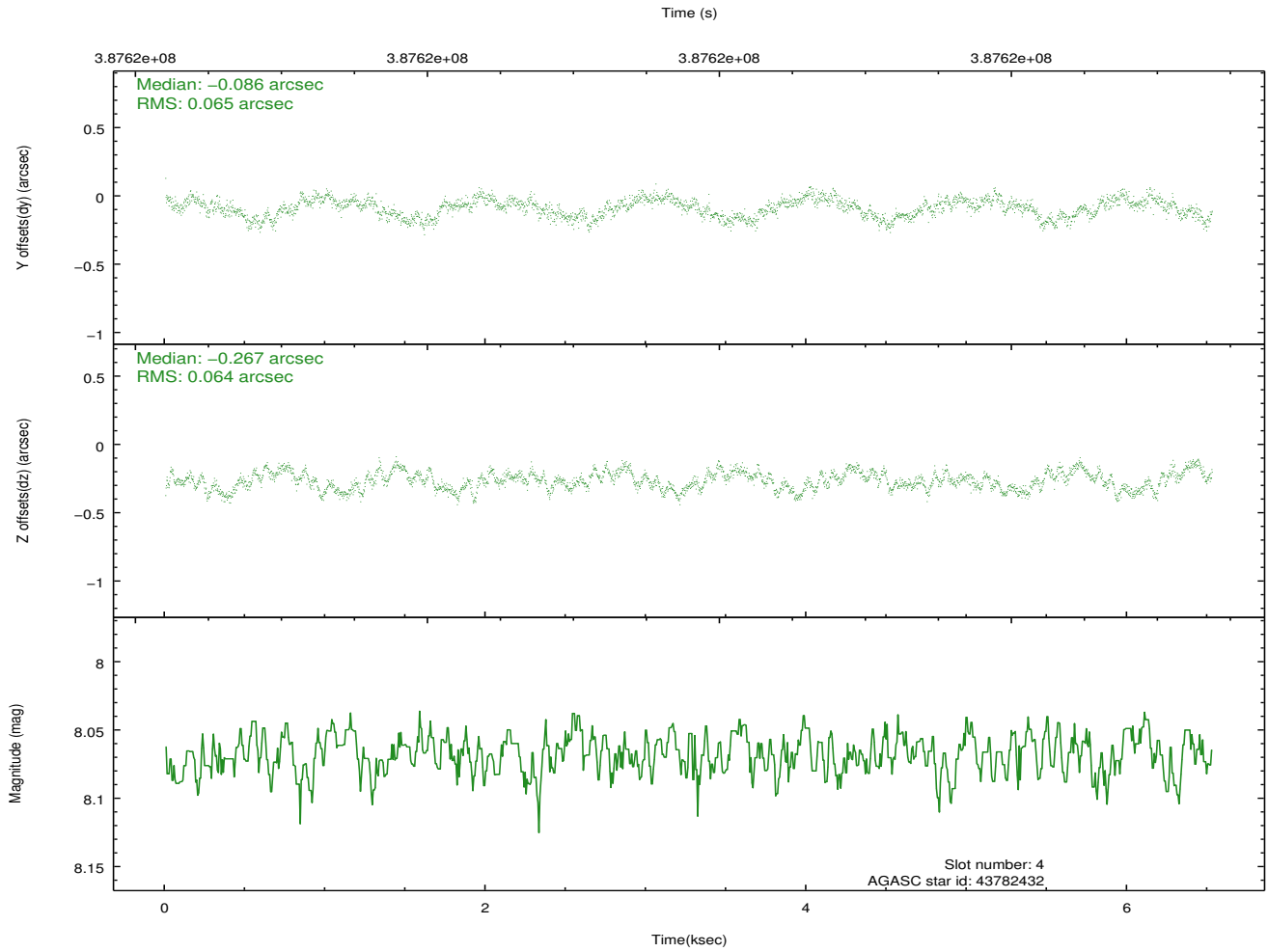
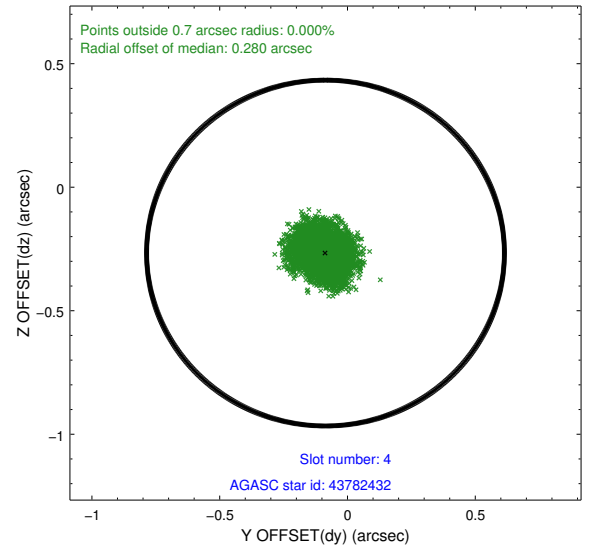
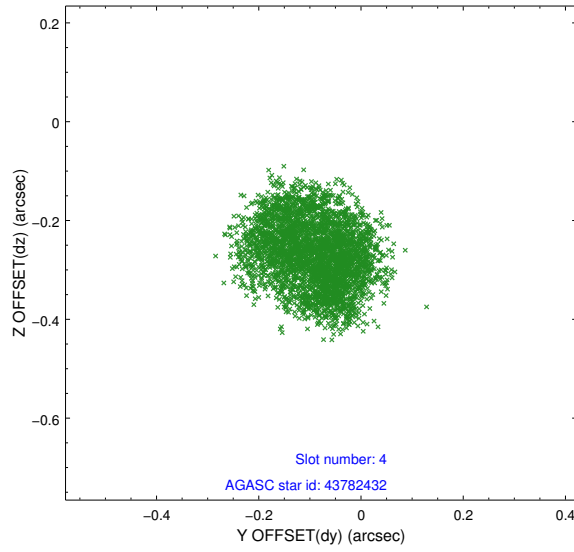
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	1592	-0.099	-0.018	0.006	0.010	0.000000	0.000000	-768.96	-1736.78
1	FID	ACIS-S-4	7.01	1592	0.185	0.053	0.006	0.011	0.000000	0.000000	2144.16	170.87
2	FID	ACIS-S-5	7.04	1592	-0.118	-0.025	0.006	0.011	0.000000	0.000000	-1820.70	165.44
3	GUIDE	42864776	9.05	3158	0.159	-0.144	0.087	0.144	224.993302	1.618488	-1522.91	1651.15
4	GUIDE	43782432	8.07	3184	-0.086	-0.267	0.102	0.146	225.298629	1.853875	-1386.30	269.86
5	GUIDE	44304040	8.10	3184	-0.046	0.268	0.064	0.099	225.823407	2.372575	-801.98	-2320.39
6	GUIDE	44305752	8.86	3183	0.073	0.150	0.081	0.130	225.685277	2.473250	-231.15	-2091.54
7	GUIDE	44307152	6.91	3182	-0.099	-0.004	0.064	0.115	225.255792	2.897456	1882.03	-1589.33

2.4 Star Slots

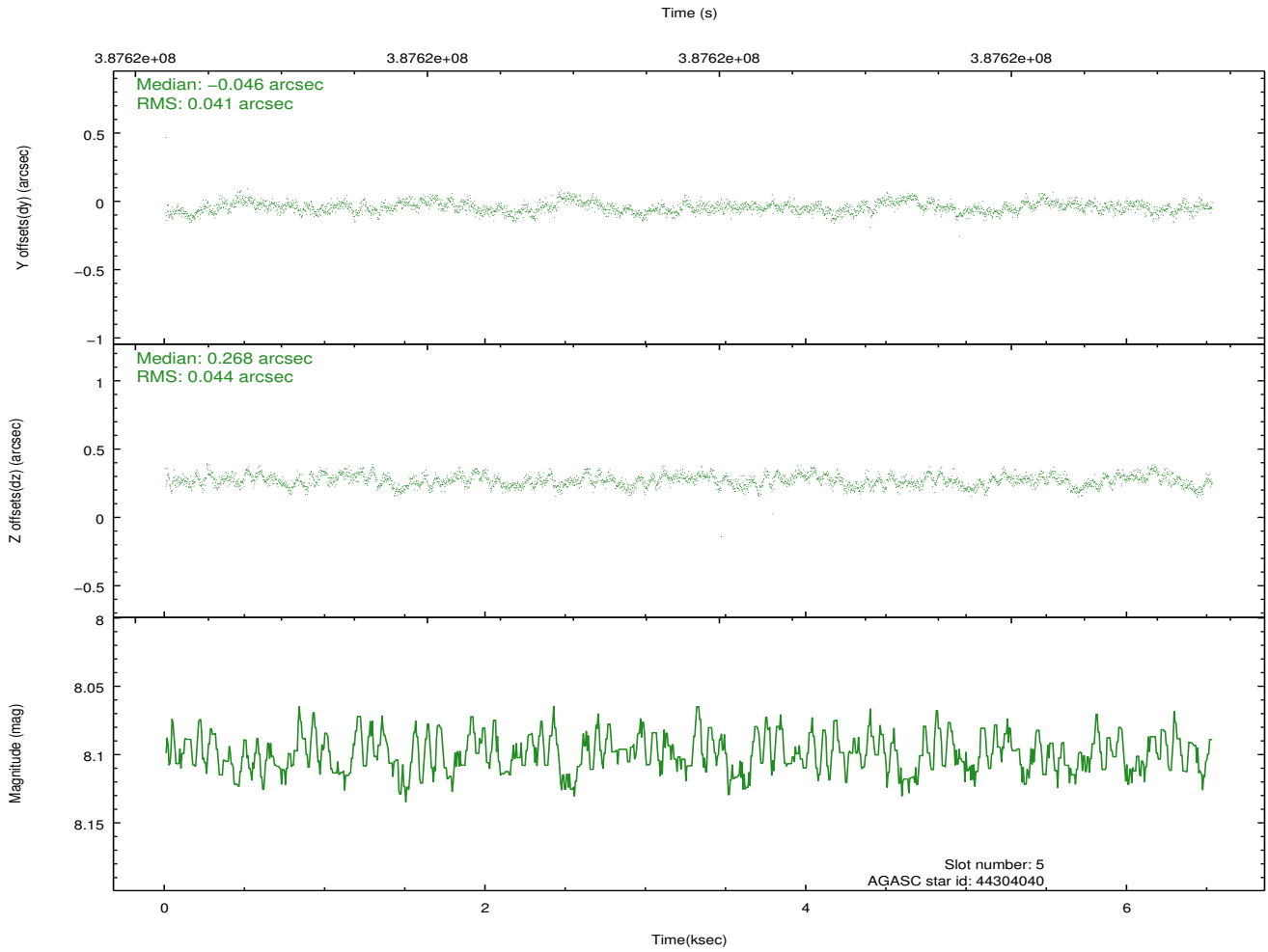
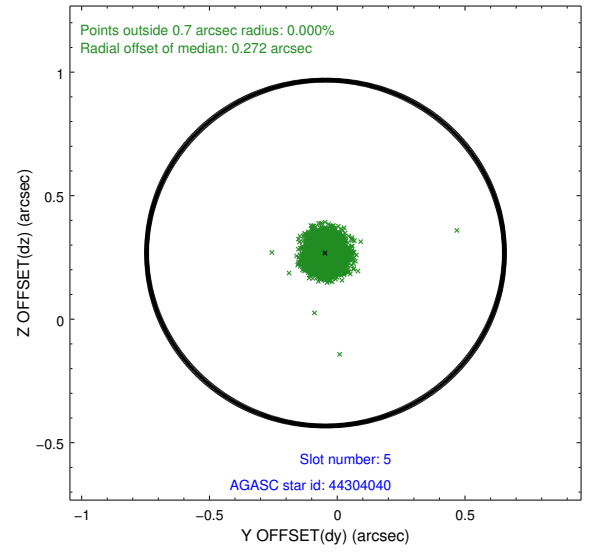
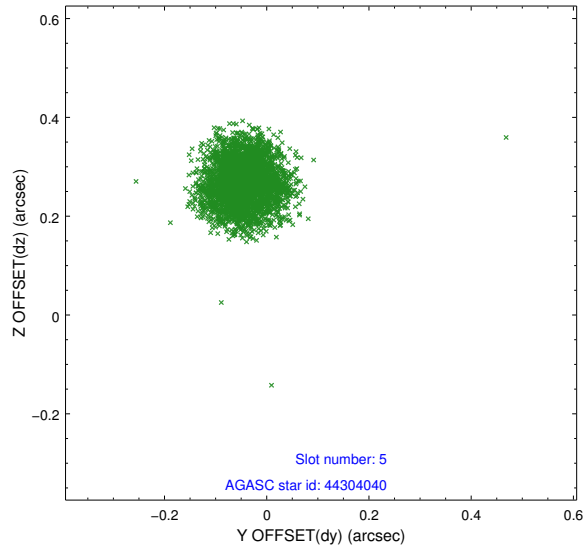
2.4.1 Slot 3



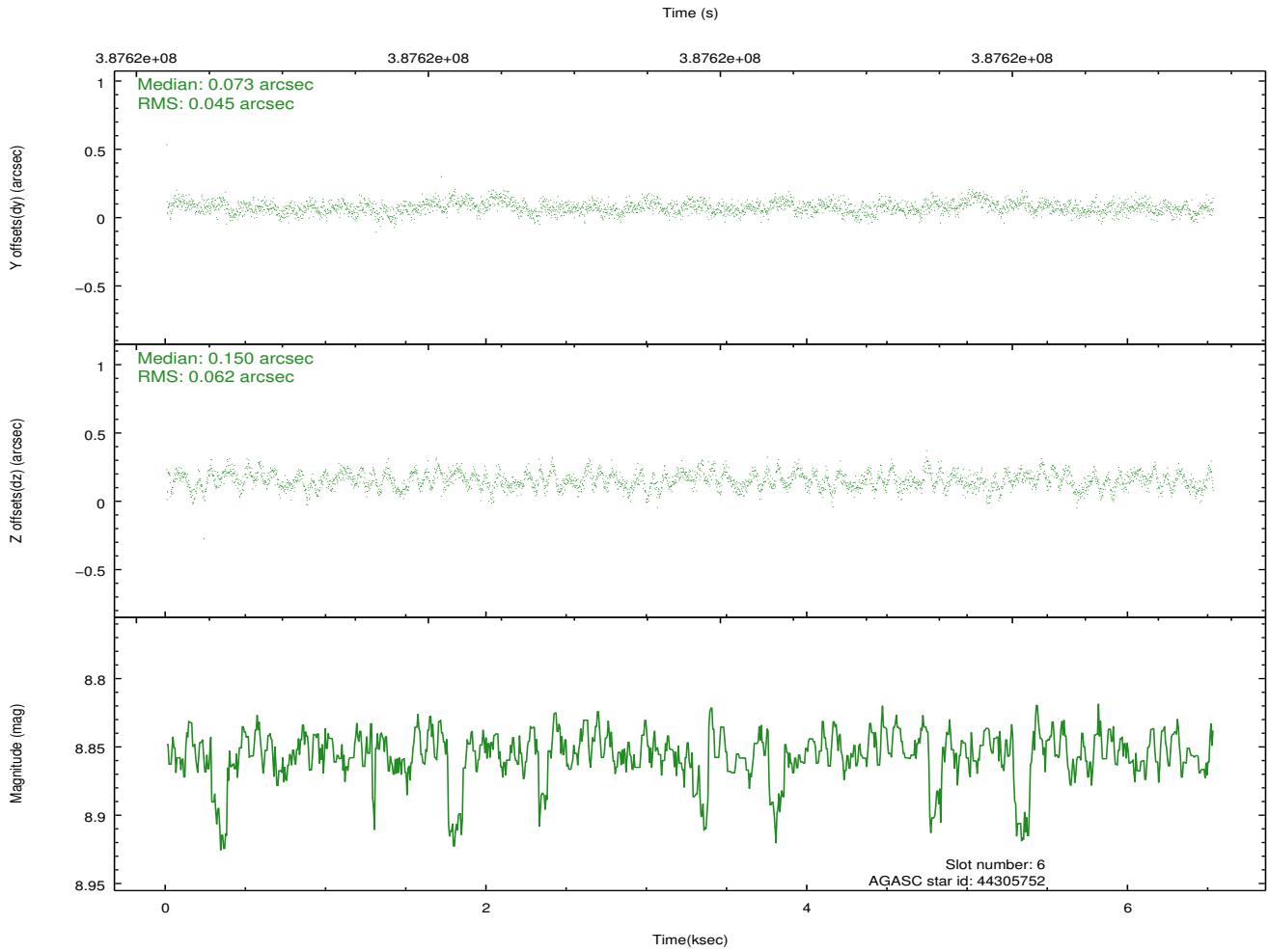
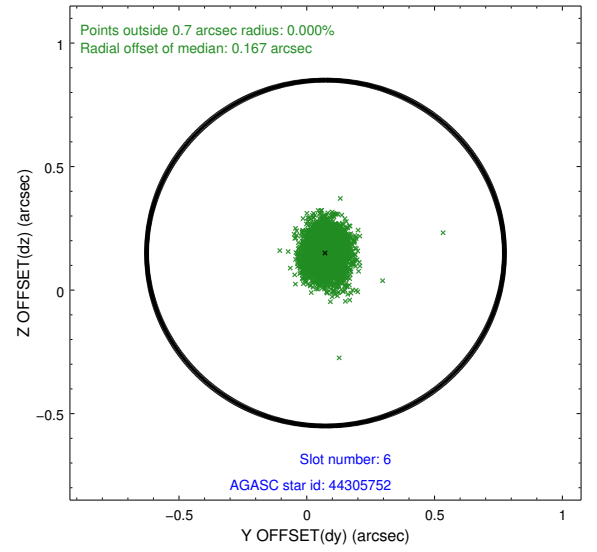
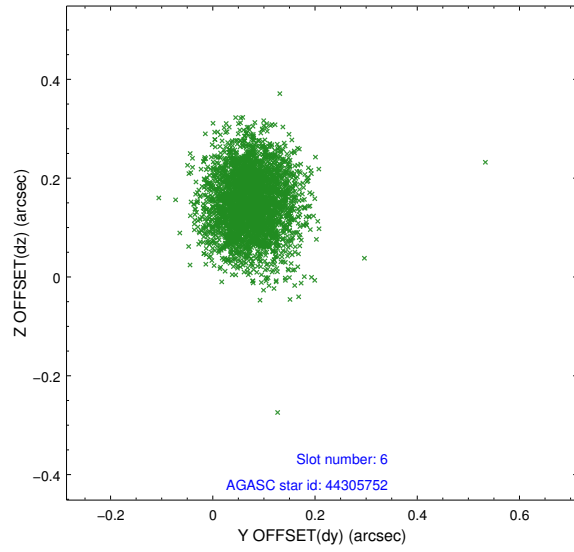
2.4.2 Slot 4



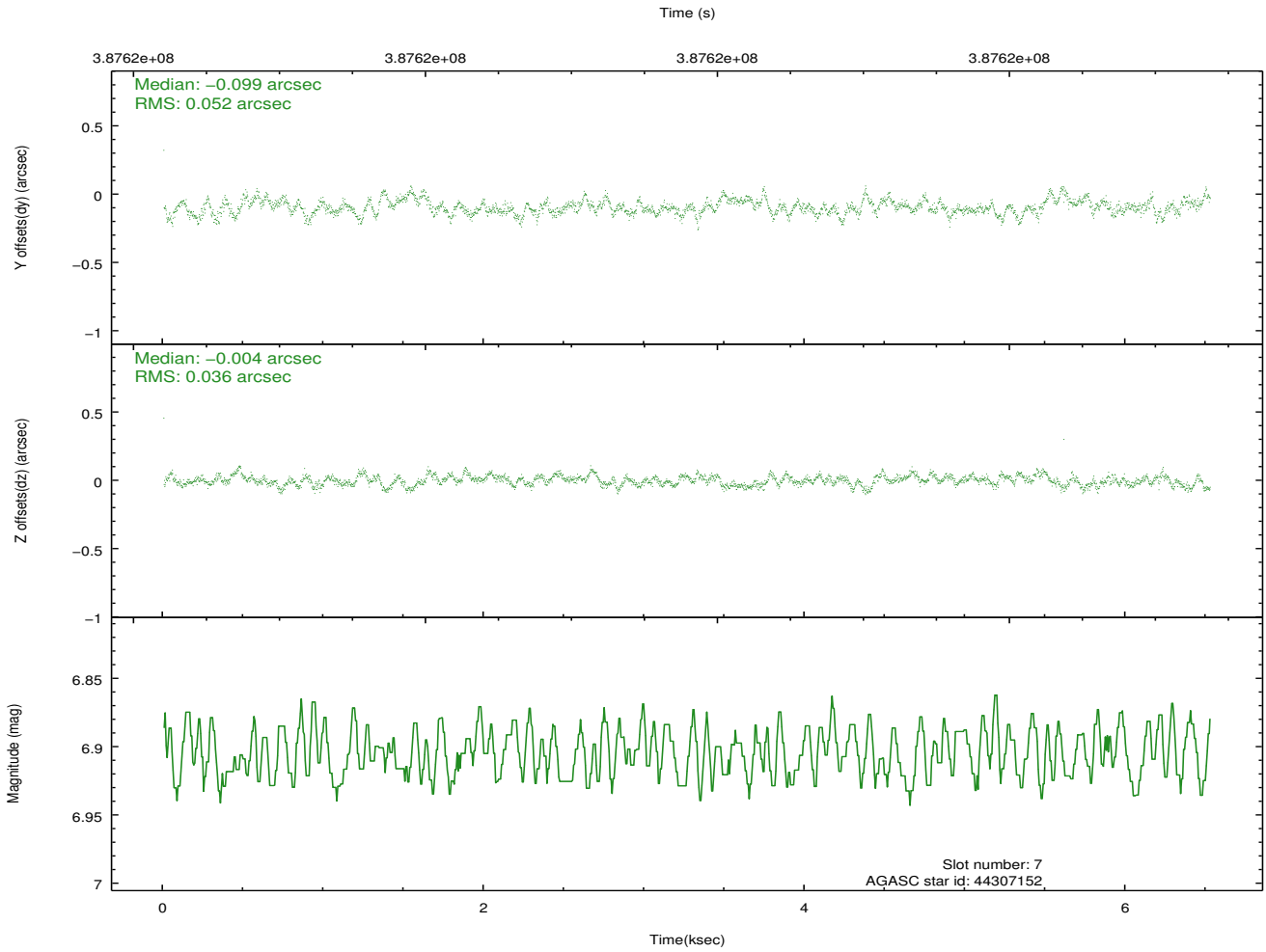
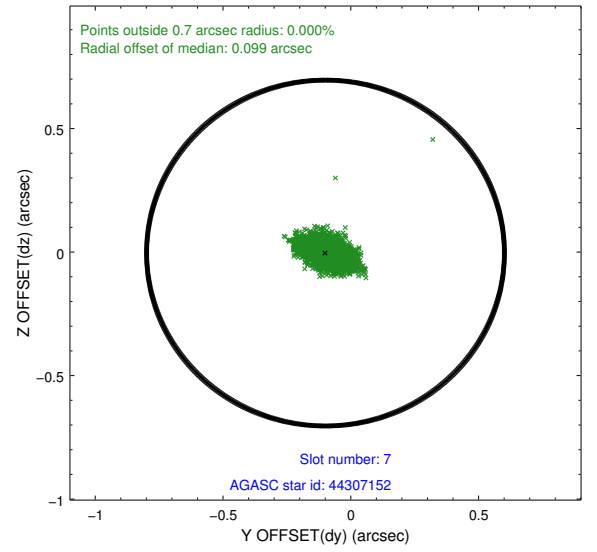
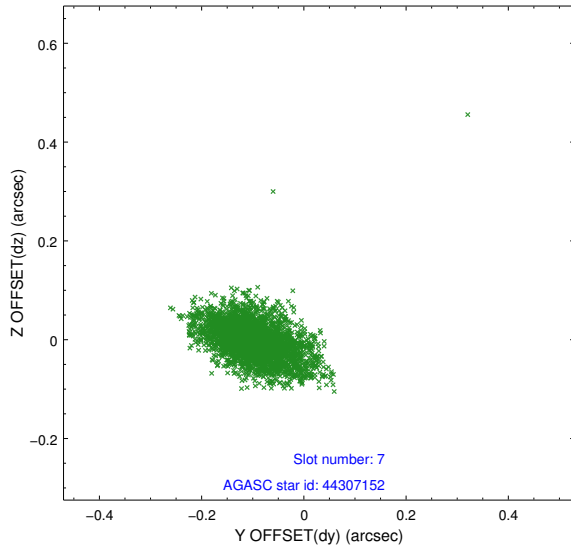
2.4.3 Slot 5



2.4.4 Slot 6

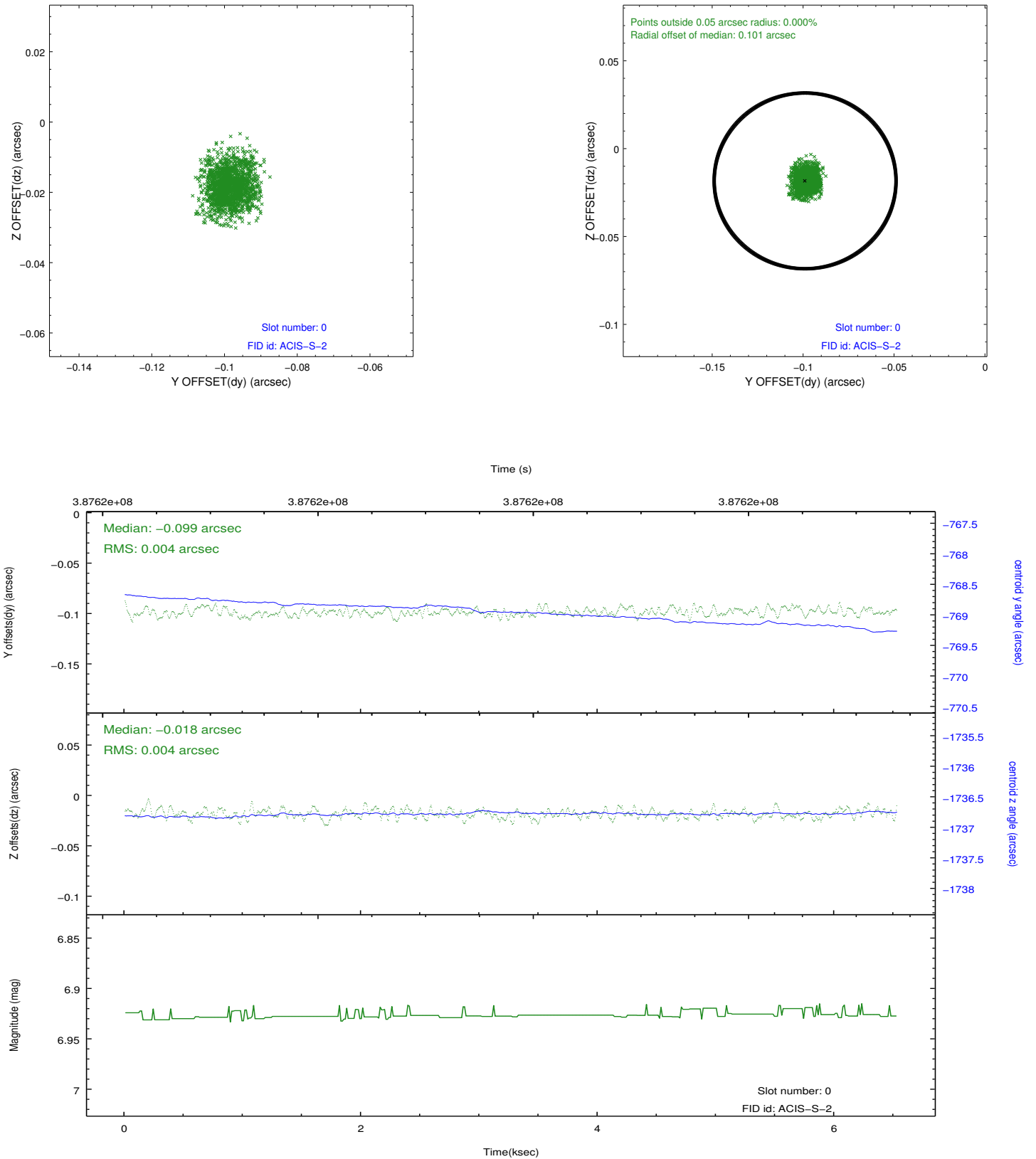


2.4.5 Slot 7

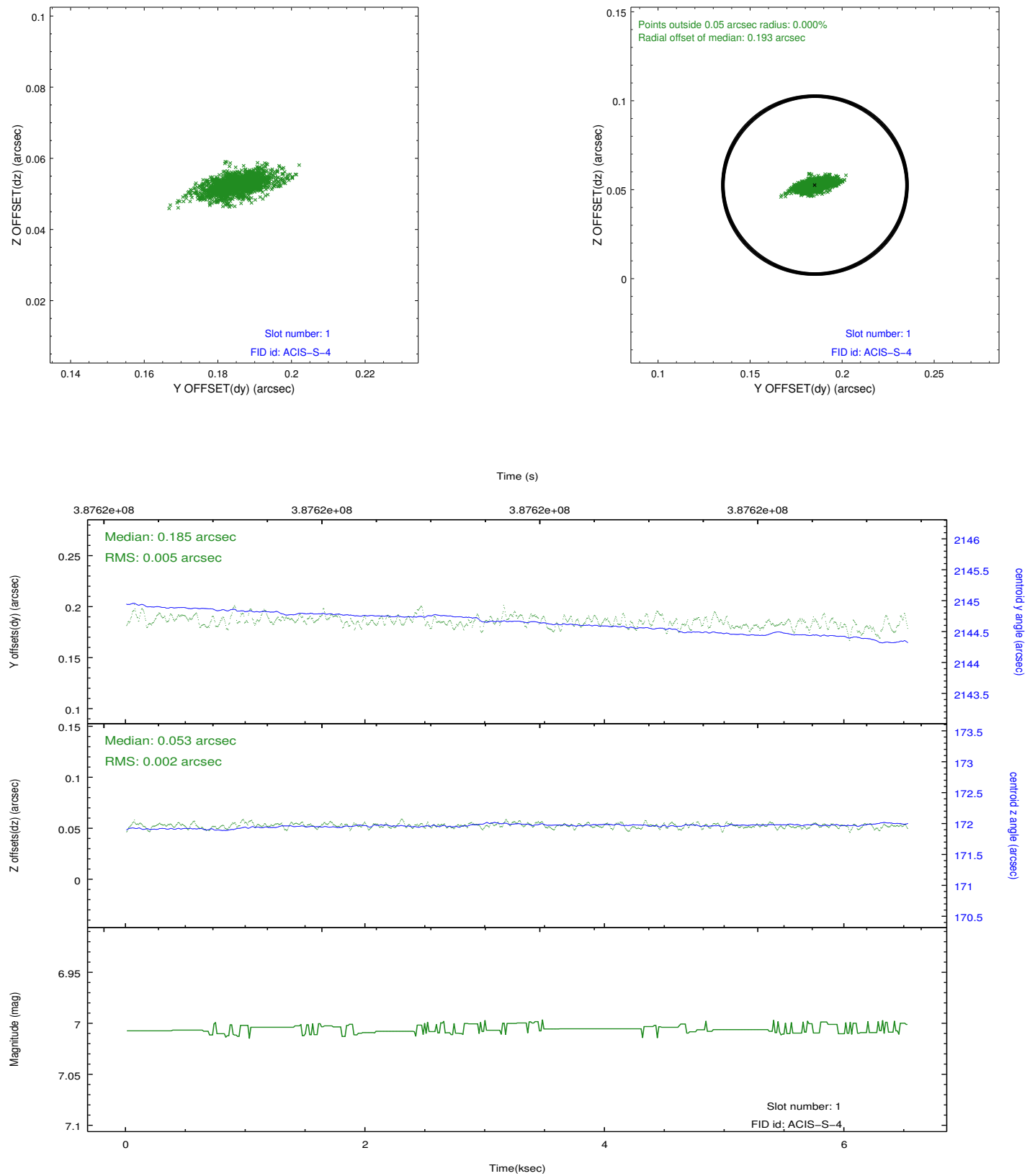


2.5 FID Slots

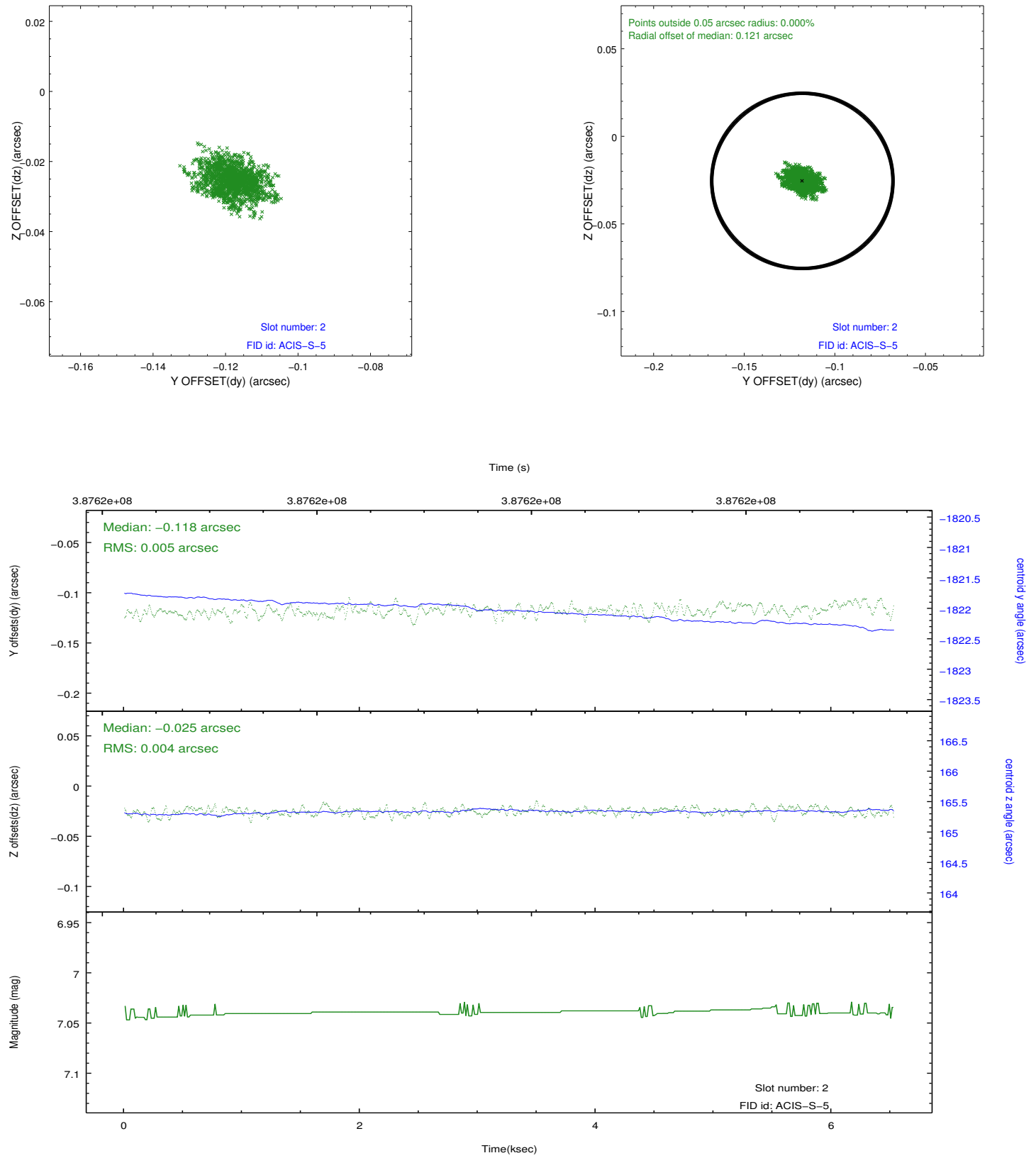
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.3484011911154

A.2 Comments