

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7769 - L2 Version 3
Chandra X-Ray Center

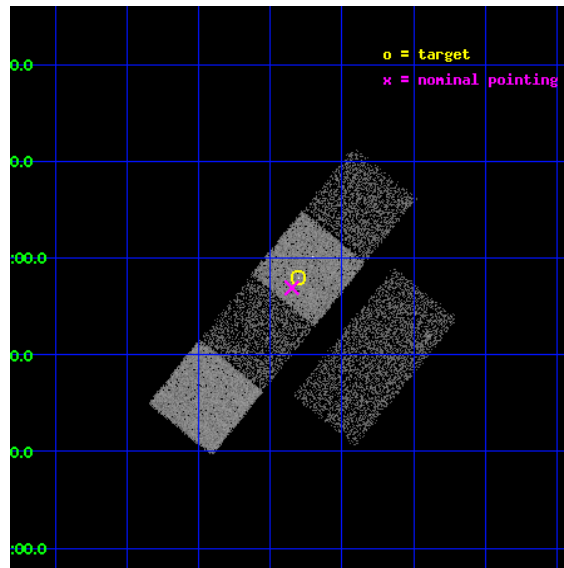
L2 Processing Date : Apr 16 2012

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

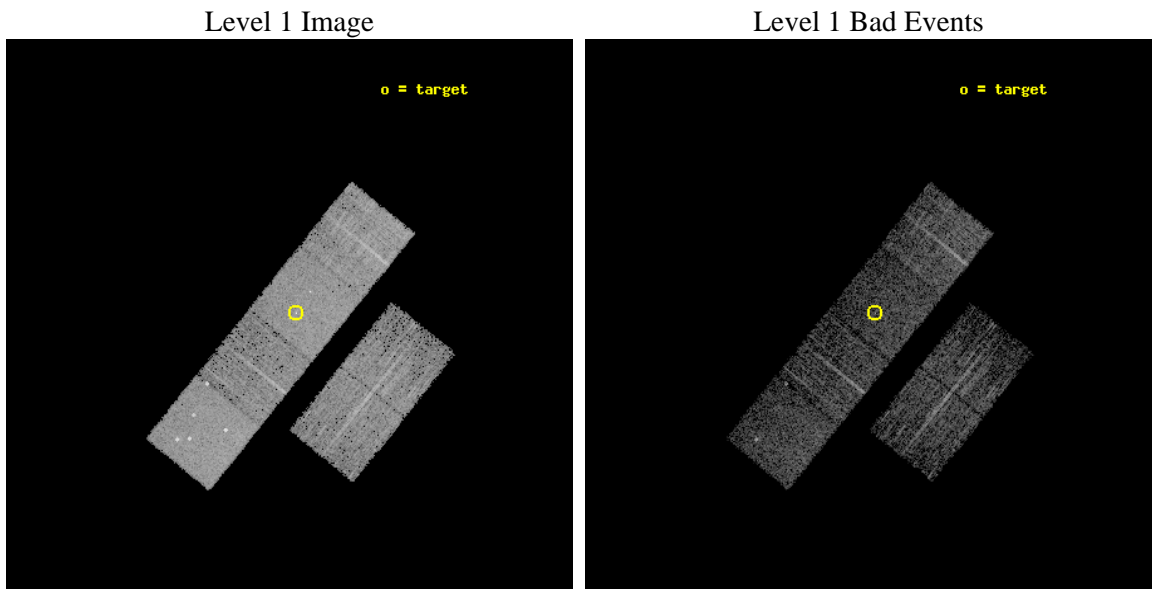
seq_num	701437	Sequence number
obs_id	7769	Observation id
title	Investigating AGN Activity in Low Surface Brightness Galaxies	Prop
observer	Dr Mousumi Das	Principal investigator
object	UGC 02936	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	60.700833	Observer's specified target RA [deg]
dec_targ	1.965833	Observer's specified target Dec [deg]
ra_nom	60.712562764584	Nominal RA [deg]
dec_nom	1.9486358354138	Nominal Dec [deg]
roll_nom	308.88638705731	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2739.1999898553	Sum of GTIs [s]
livetime	2704.5145902355	Livetime [s]
ontime2	2739.1999898553	Sum of GTIs [s]
ontime3	2739.1999898553	Sum of GTIs [s]
ontime5	2739.1999898553	Sum of GTIs [s]
ontime6	2739.1999898553	Sum of GTIs [s]
ontime7	2739.1999898553	Sum of GTIs [s]
ontime8	2732.7180789709	Sum of GTIs [s]
l2events	39355	Number of level 2 events



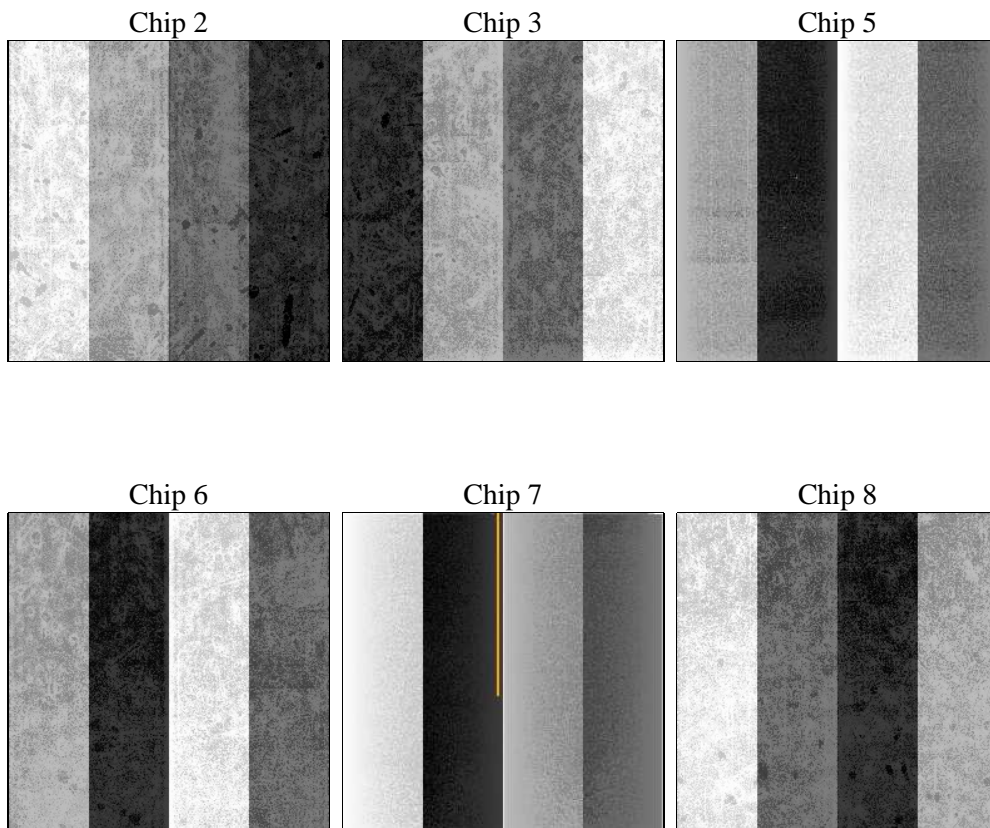
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	2739.1999898553	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2739.1999898553	Sum of GTIs [s]
date	2012-04-16T03:42:30	Date and time of file creation	ontime3	2739.1999898553	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2739.1999898553	Sum of GTIs [s]
			ontime6	2739.1999898553	Sum of GTIs [s]
			ontime7	2739.1999898553	Sum of GTIs [s]
			ontime8	2732.7180789709	Sum of GTIs [s]
			l1events	178895	Number of level 1 events

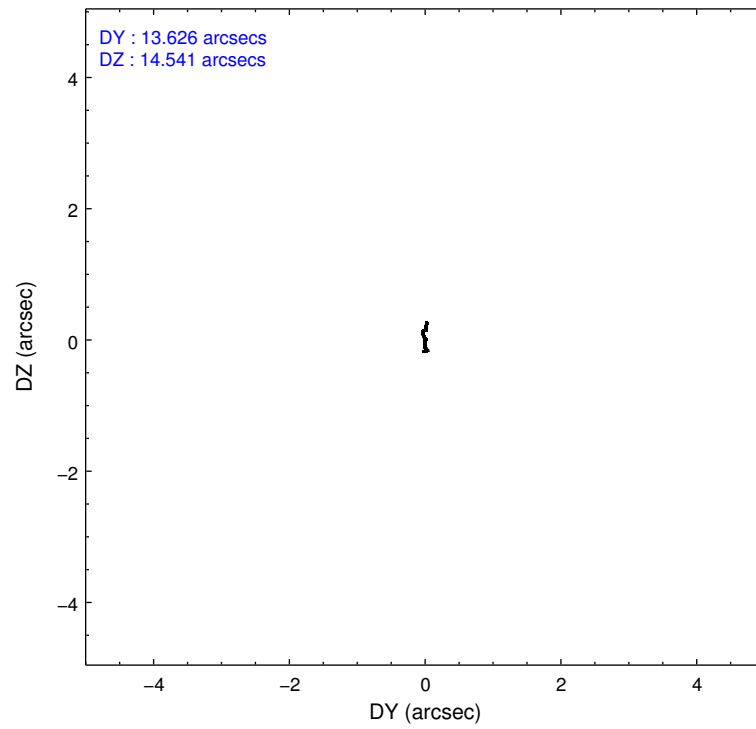
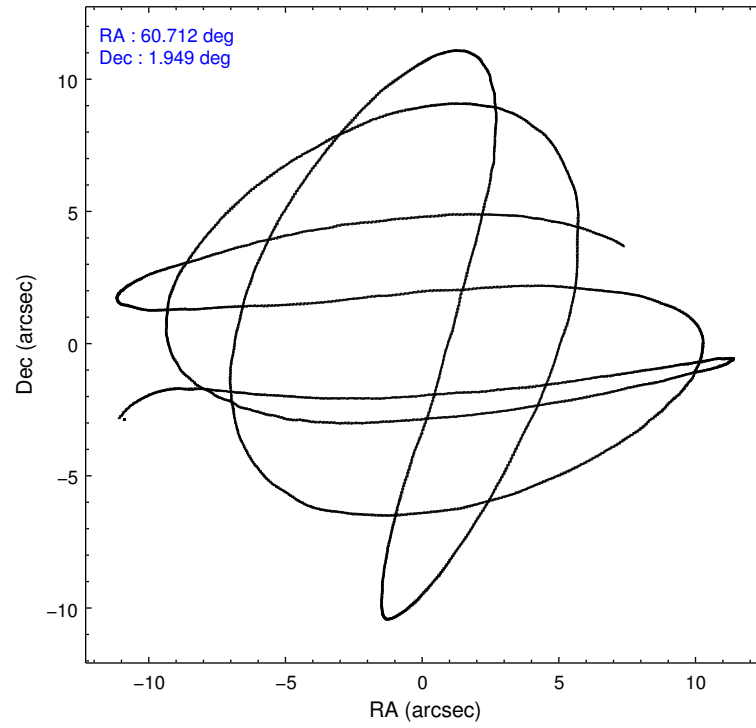
2.1.4 Events

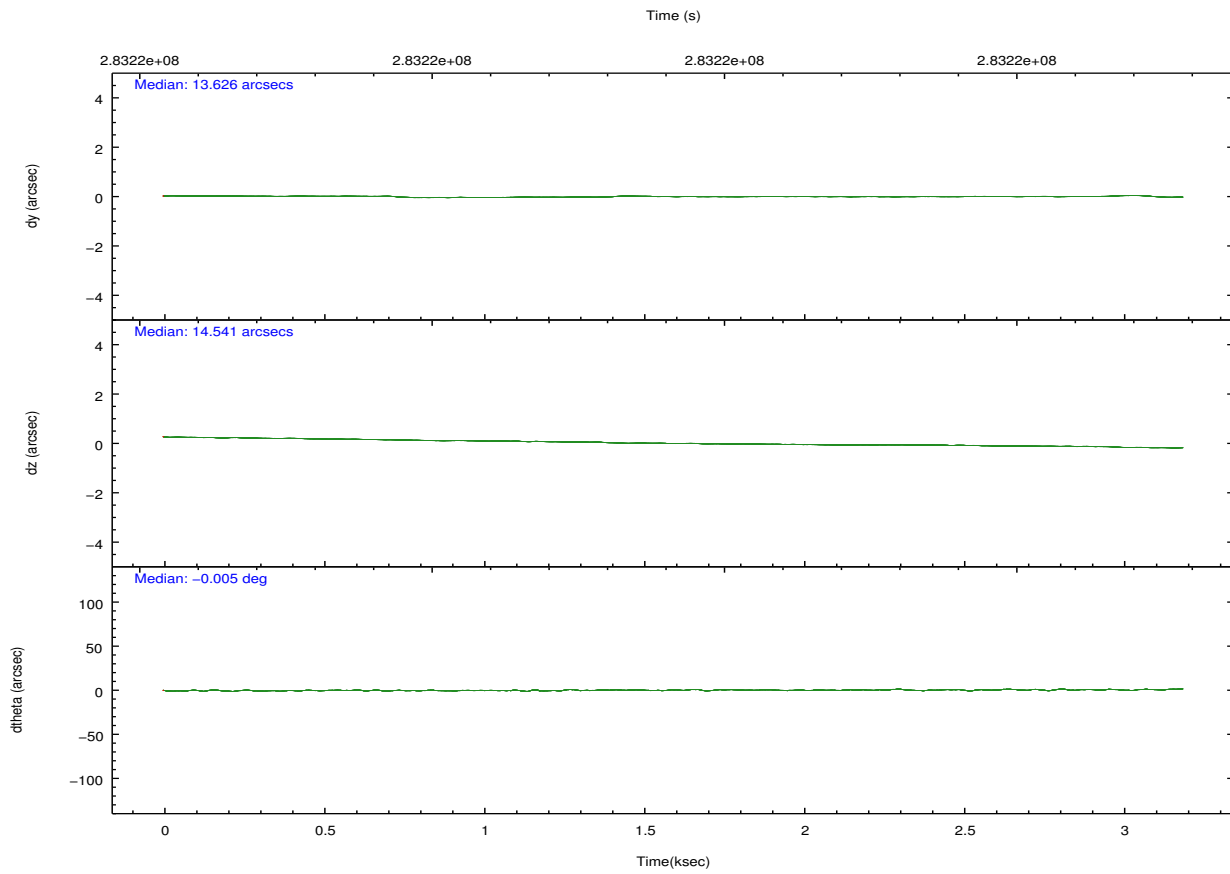
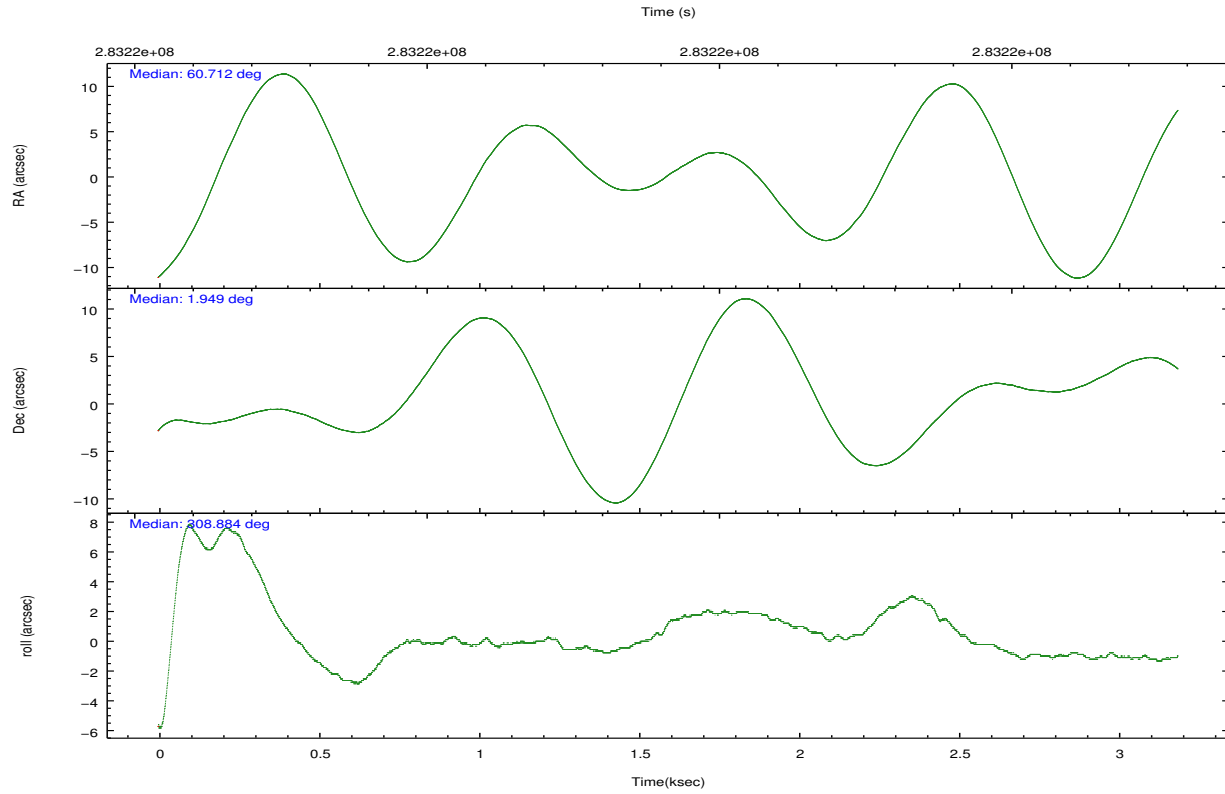
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	24541	22983	38415	23746	33658	35552	grade 0 events	1292	1239	2923	1149	1263	2085
rejected events	21671	20163	20308	20884	19469	28530		5%	5%	7%	4%	3%	5%
rejected %	88%	87%	52%	87%	57%	80%	grade 1 events	21	13	143	12	35	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	571	573	5240	612	2928	1555
								2%	2%	13%	2%	8%	4%
							grade 3 events	251	269	598	269	1188	727
								1%	1%	1%	1%	3%	2%
							grade 4 events	251	258	524	247	1218	653
								1%	1%	1%	1%	3%	1%
							grade 5 events	941	1090	2510	1047	3009	1371
								3%	4%	6%	4%	8%	3%
							grade 6 events	511	488	8847	588	7609	2003
								2%	2%	23%	2%	22%	5%
							grade 7 events	20703	19053	17630	19822	16408	27128
								84%	82%	45%	83%	48%	76%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	60.686938	60.71256276458389	CCD I2 on	O1	Y
[deg] Pointing Dec	1.958112	1.948635835413814	CCD I3 on	O2	Y
[deg] Pointing Roll	308.730675	308.8863870573082	CCD S0 on	N	N
[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)	283218422.184000	283217611.78069	CCD S5 on	N	N
Observation start date	2006-12-22T23:45:57	2006-12-22T23:33:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	283221422.184000	283222060.7934	On-chip summing requested	N	N
Observation end date	2006-12-23T00:35:57	2006-12-23T00:47:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



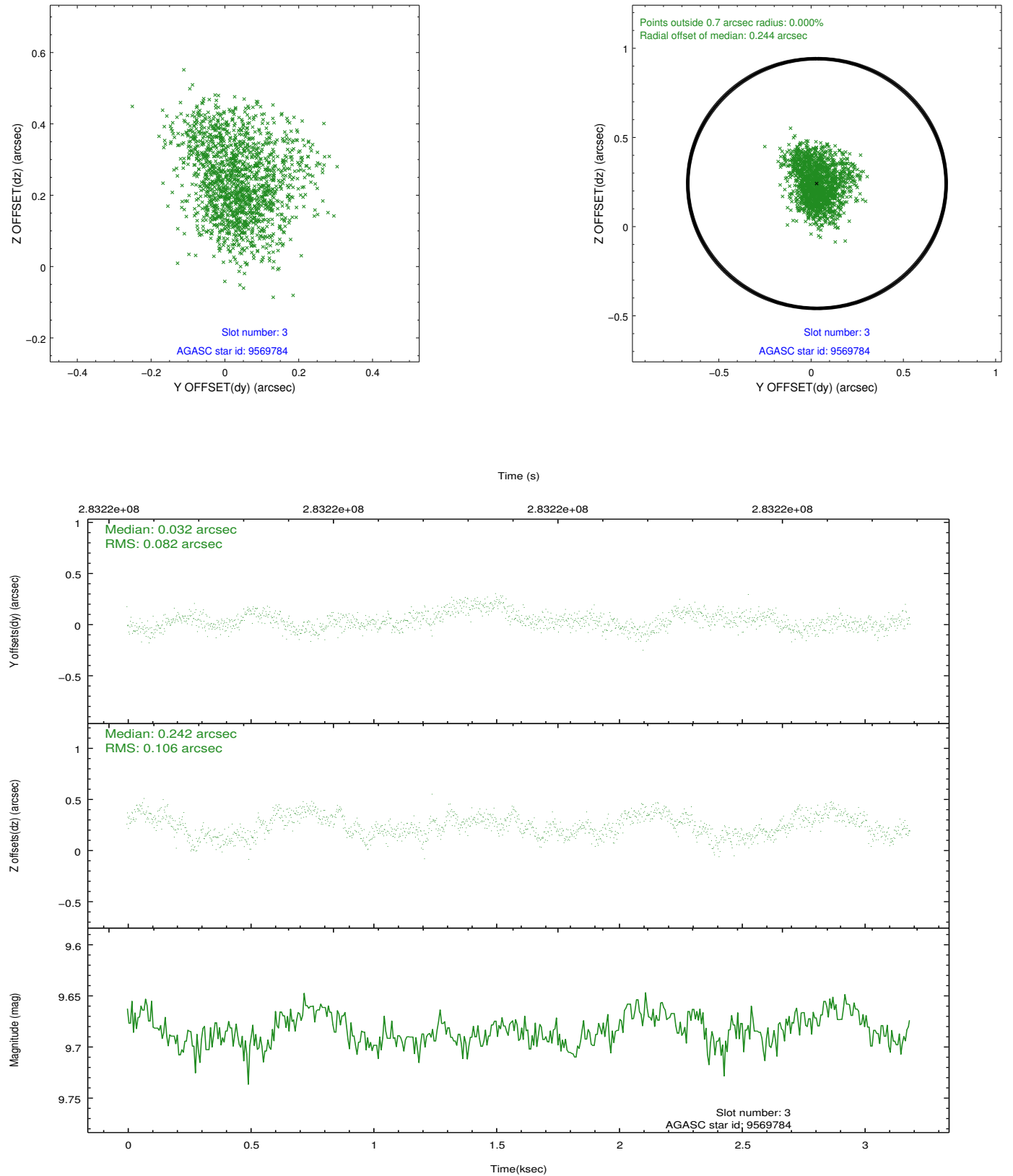


Slot Statistics

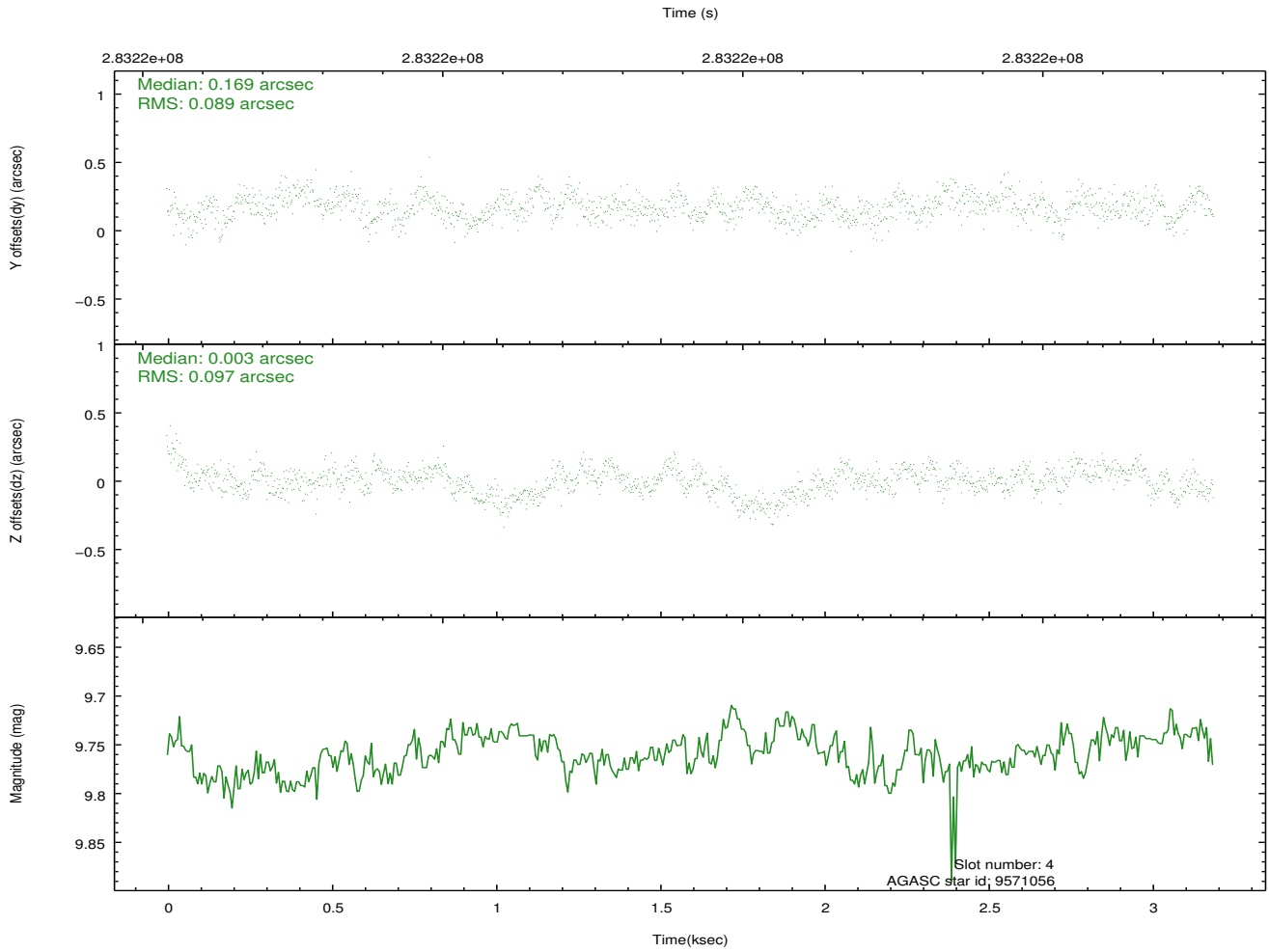
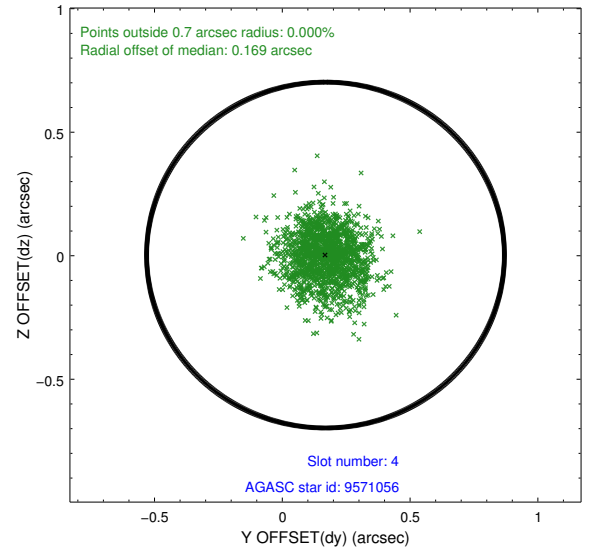
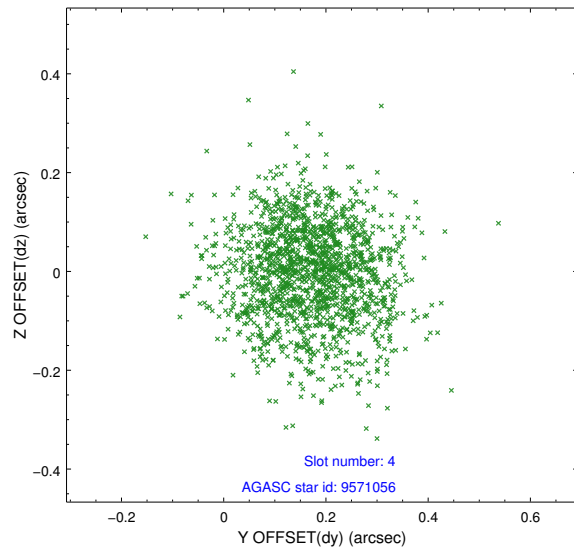
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	778	-0.059	-0.056	0.008	0.013	0.000000	0.000000	-766.60	-1735.95
1	FID	ACIS-S-4	7.20	778	0.201	0.044	0.005	0.011	0.000000	0.000000	2146.01	170.59
2	FID	ACIS-S-5	7.23	778	-0.172	0.021	0.007	0.013	0.000000	0.000000	-1817.01	166.48
3	GUIDE	9569784	9.68	1556	0.032	0.242	0.146	0.225	60.700481	1.849423	337.34	-205.50
4	GUIDE	9571056	9.76	1554	0.169	0.003	0.139	0.226	60.957957	1.353506	2309.06	-600.62
5	GUIDE	9572192	9.95	1549	-0.042	-0.241	0.205	0.341	60.400899	1.600765	361.50	-1608.15
6	GUIDE	9572360	8.93	1556	-0.105	-0.014	0.071	0.115	60.562471	2.414850	-1562.21	678.72
7	GUIDE	9575168	9.11	1554	-0.086	0.017	0.091	0.141	60.047176	2.132191	-1929.72	-1402.54

2.4 Star Slots

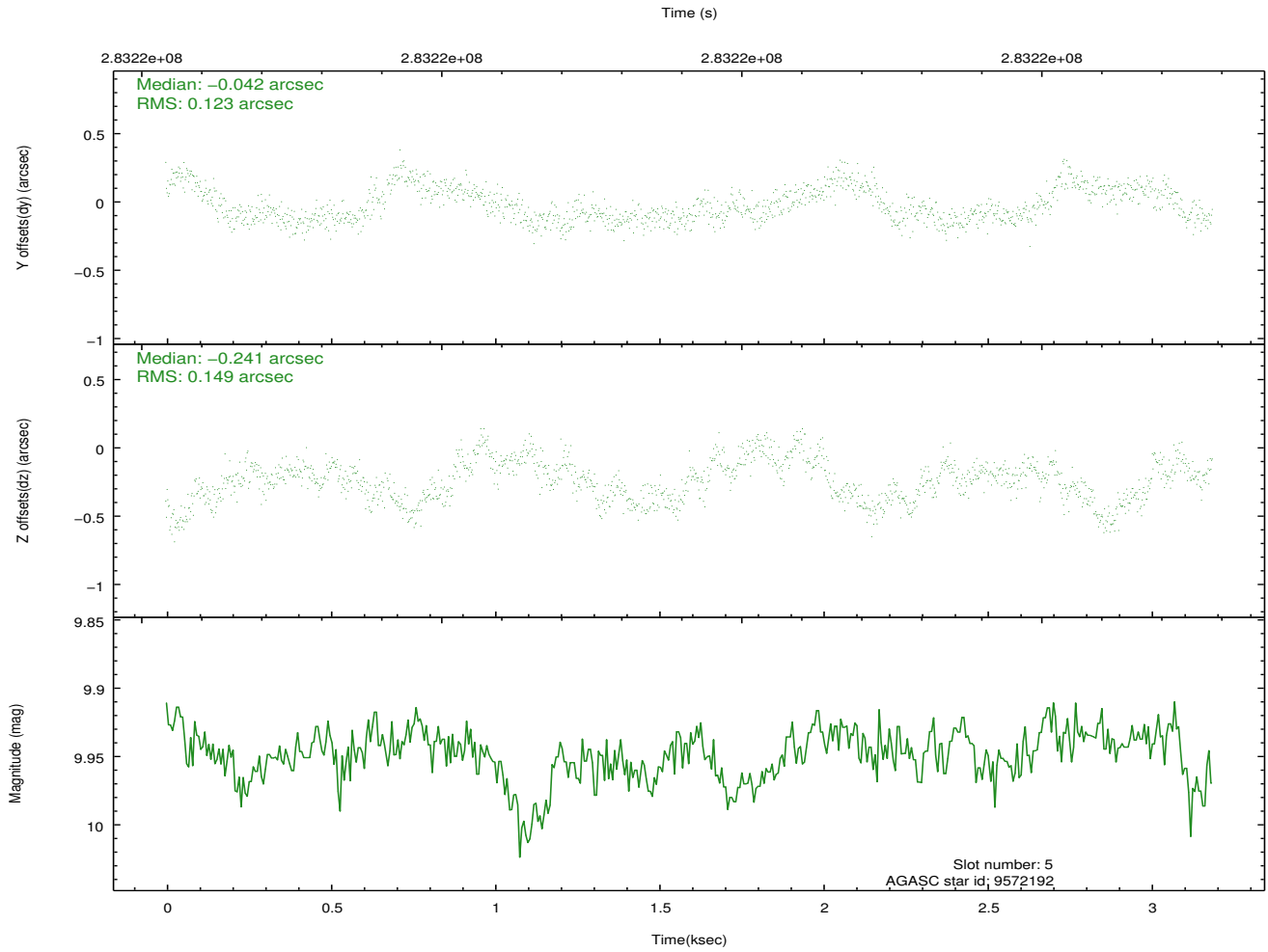
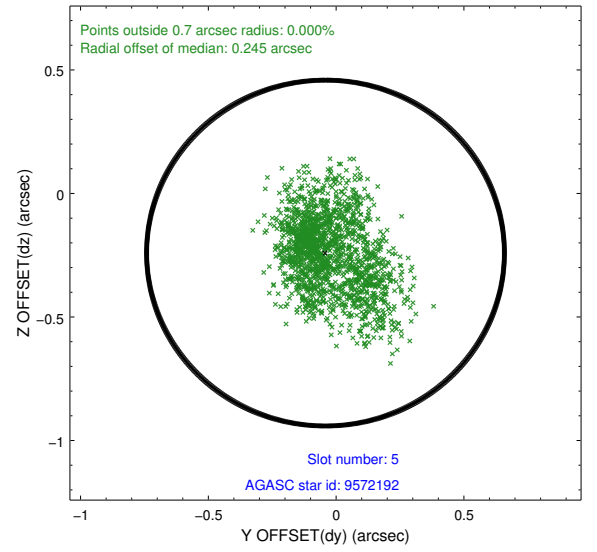
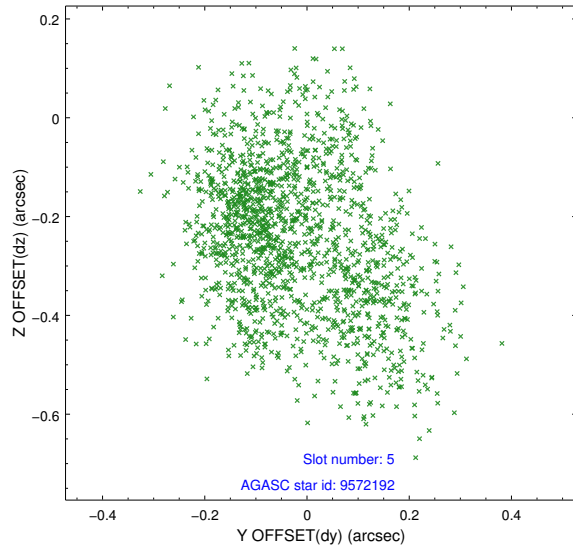
2.4.1 Slot 3



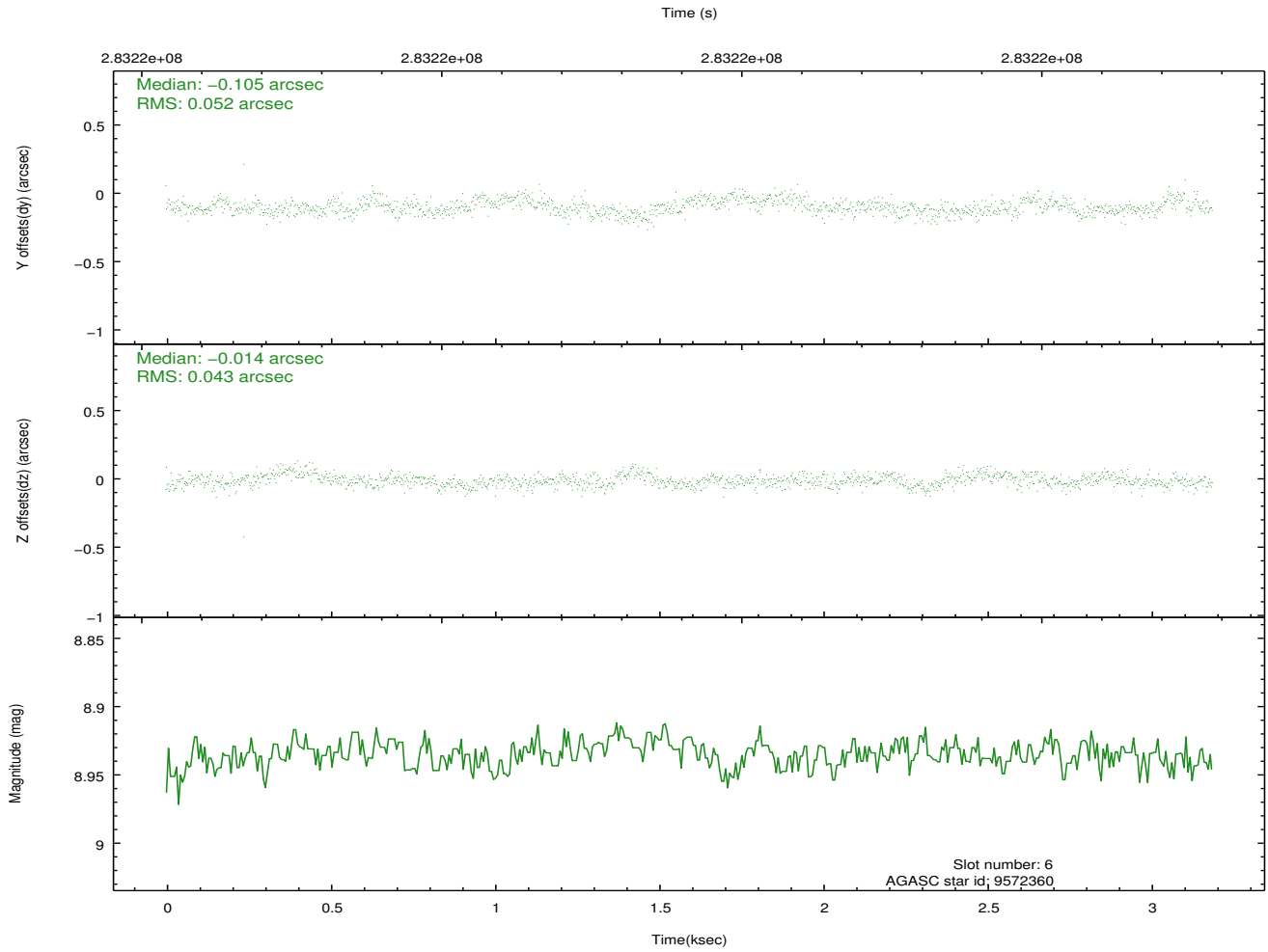
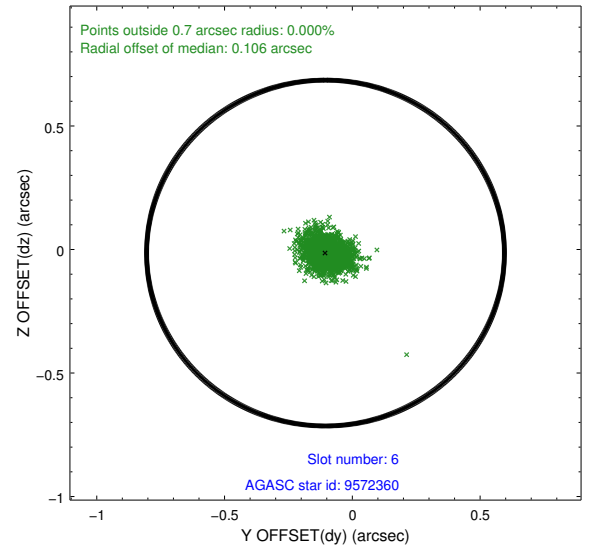
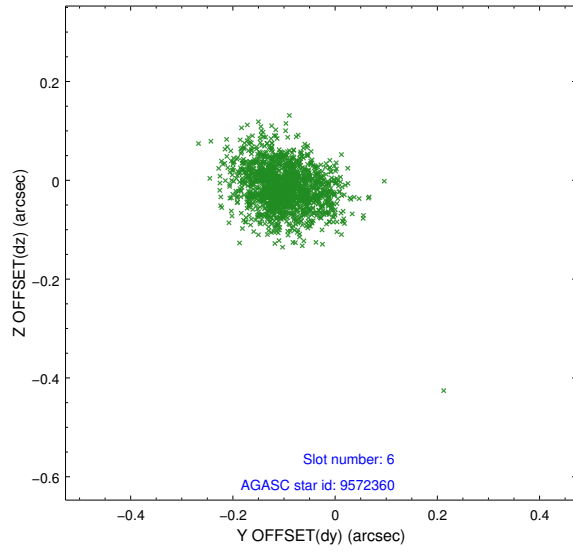
2.4.2 Slot 4



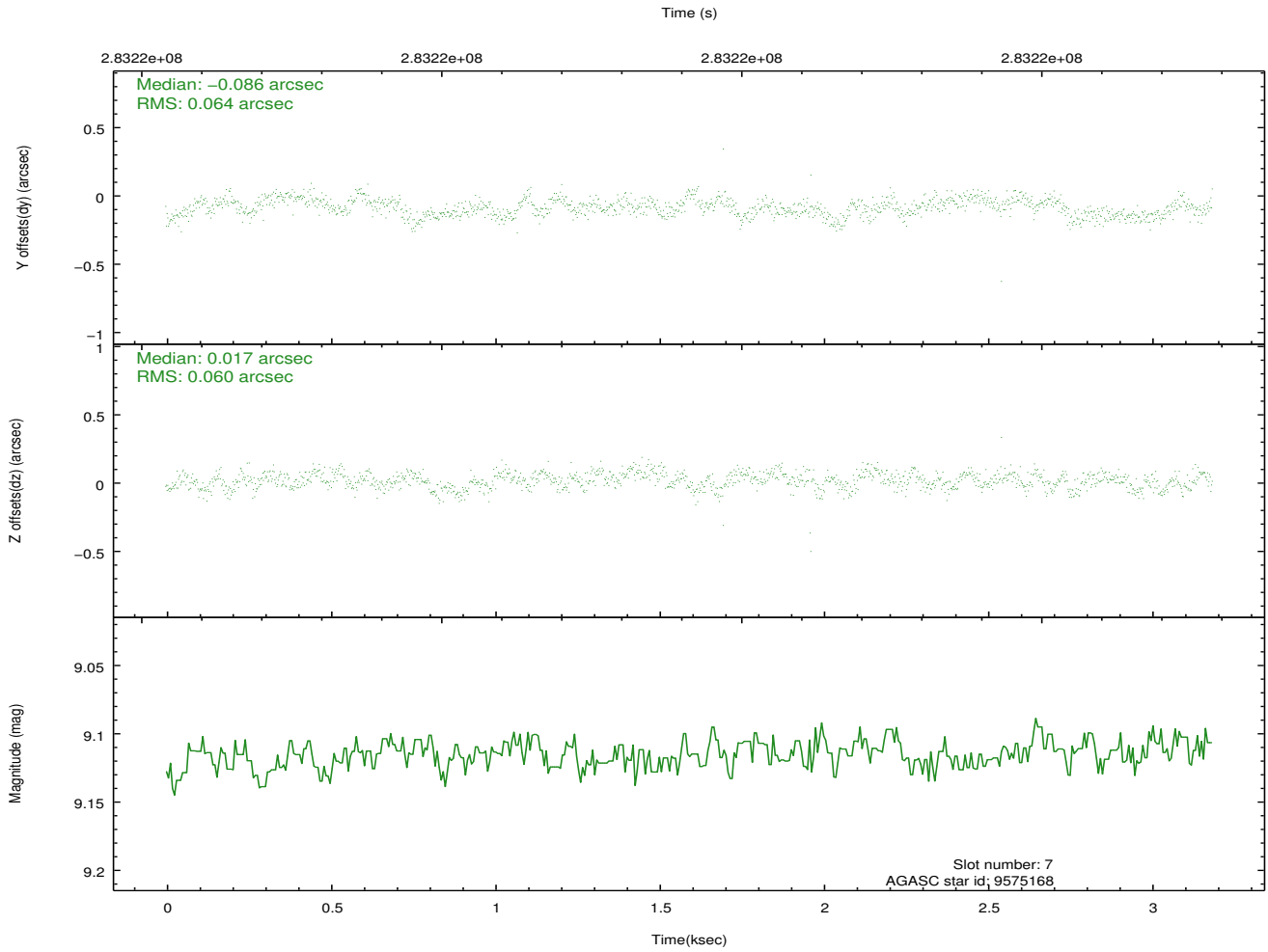
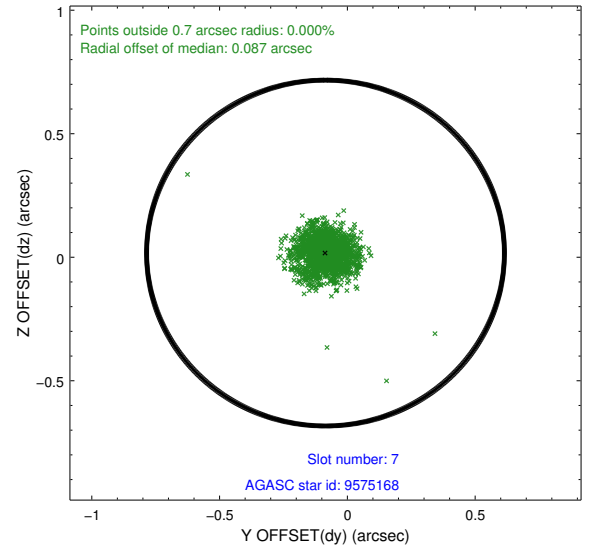
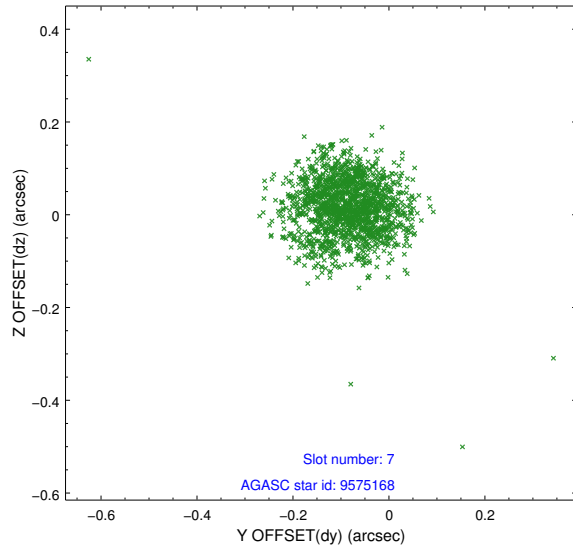
2.4.3 Slot 5



2.4.4 Slot 6

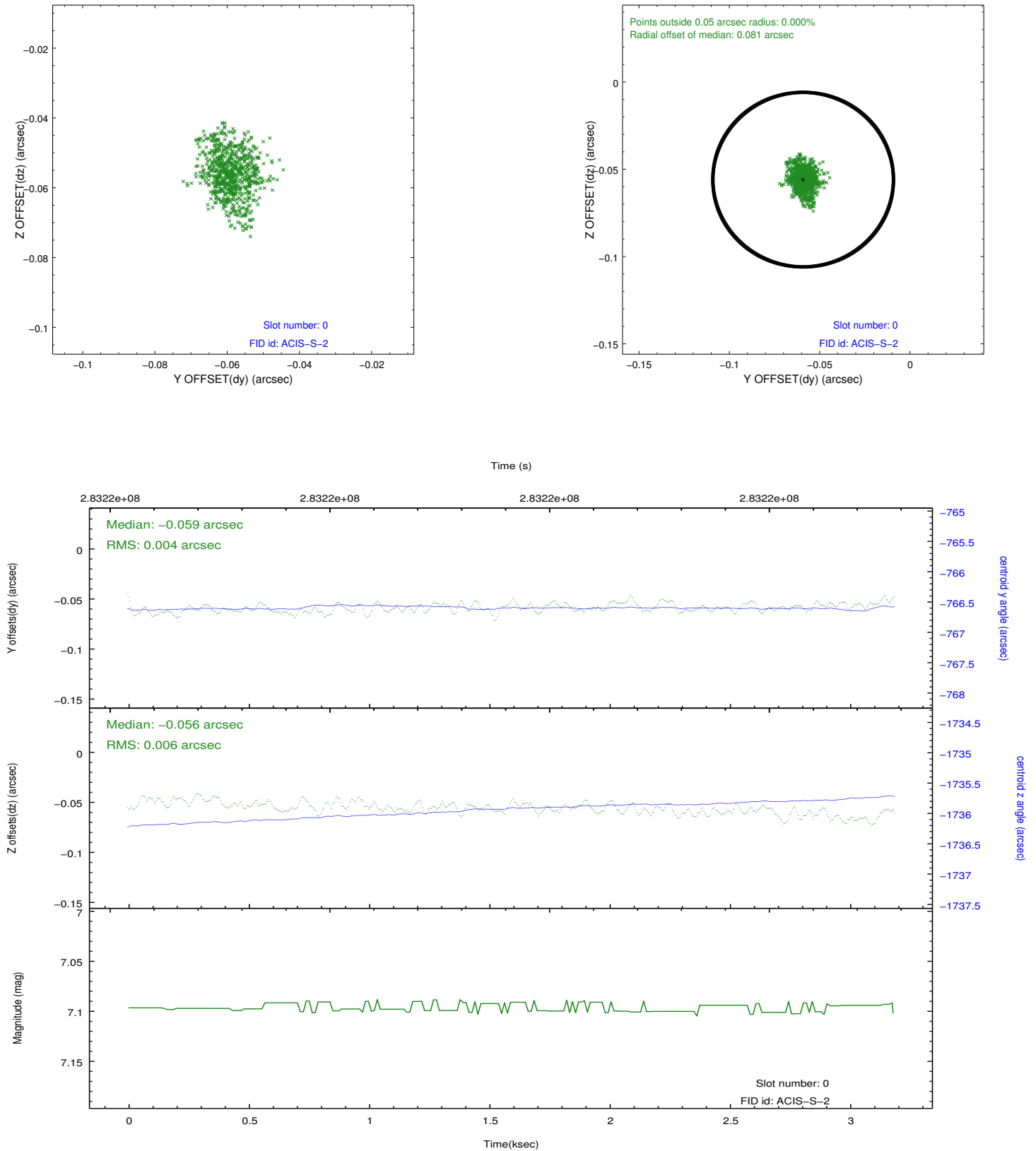


2.4.5 Slot 7

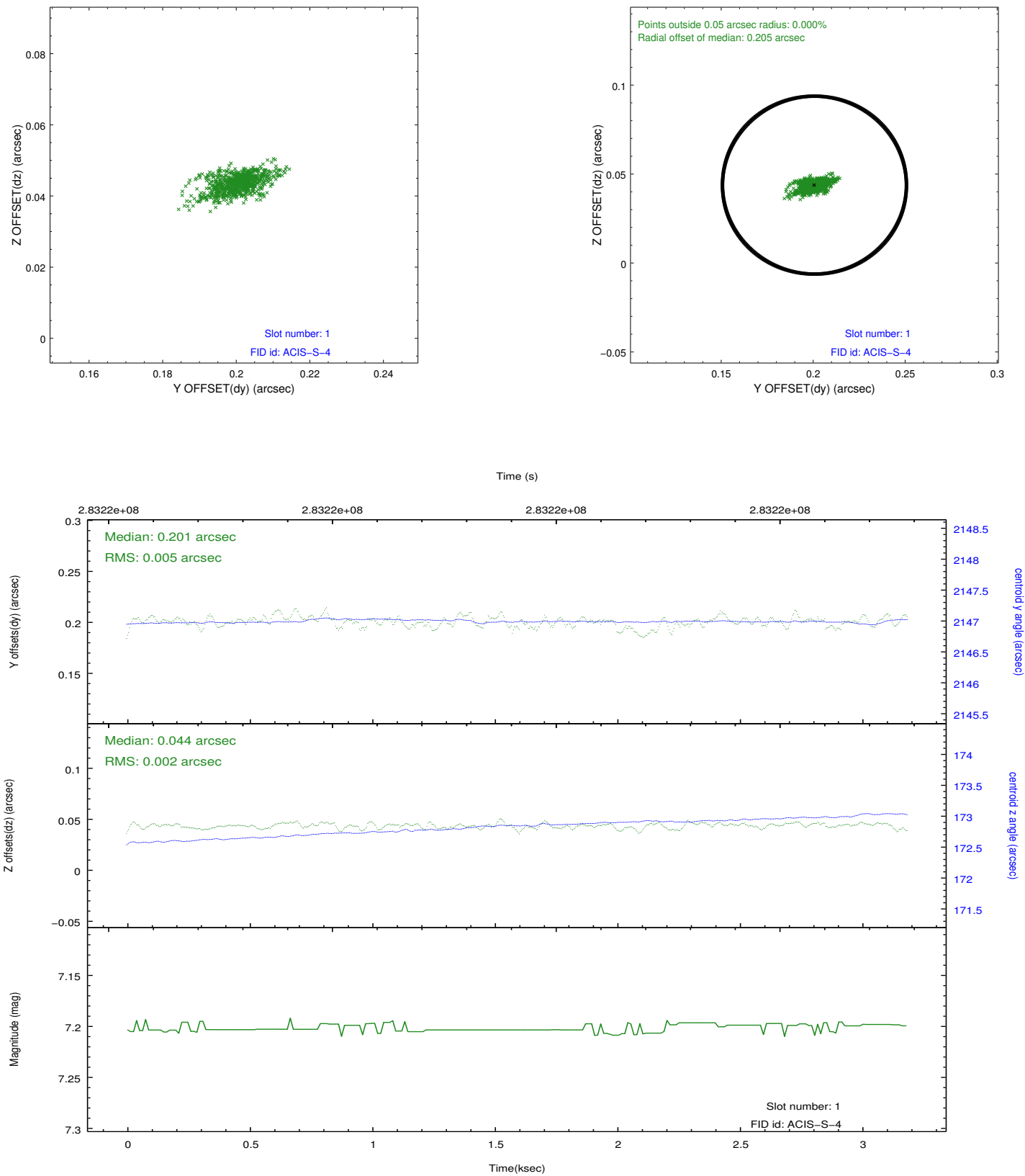


2.5 FID Slots

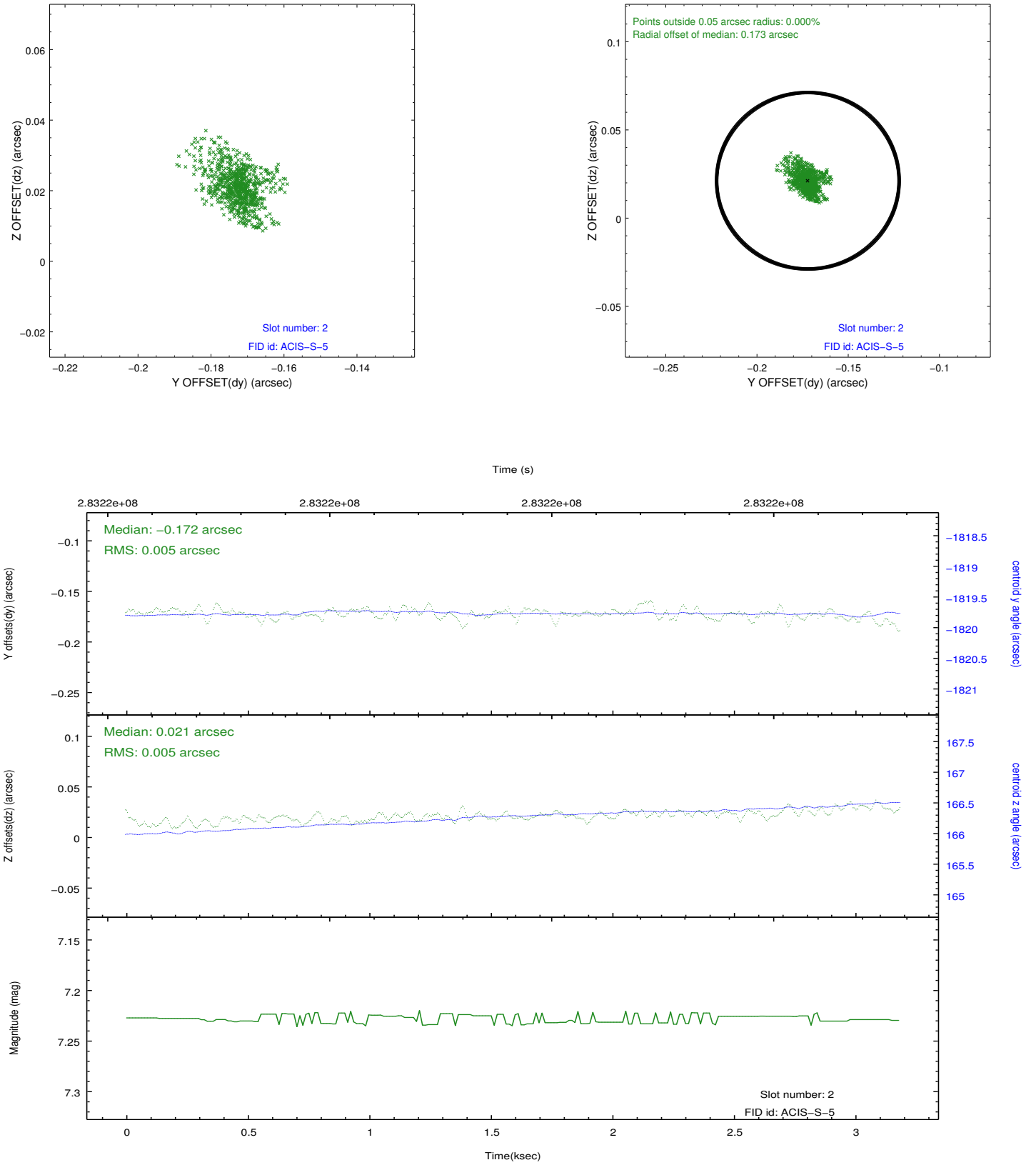
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.73919998

A.2 Comments