

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11328 - L2 Version 2
Chandra X-Ray Center

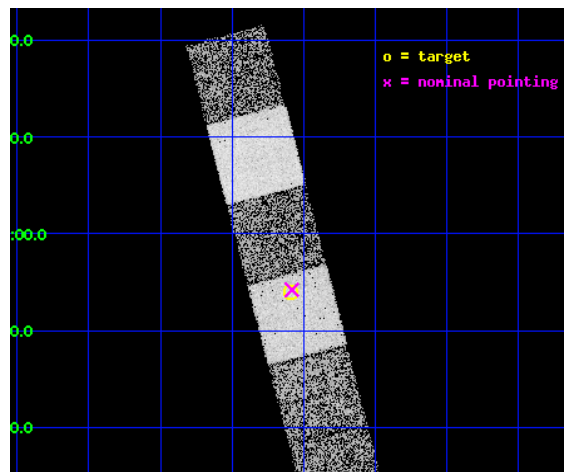
L2 Processing Date : Jun 22 2012

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

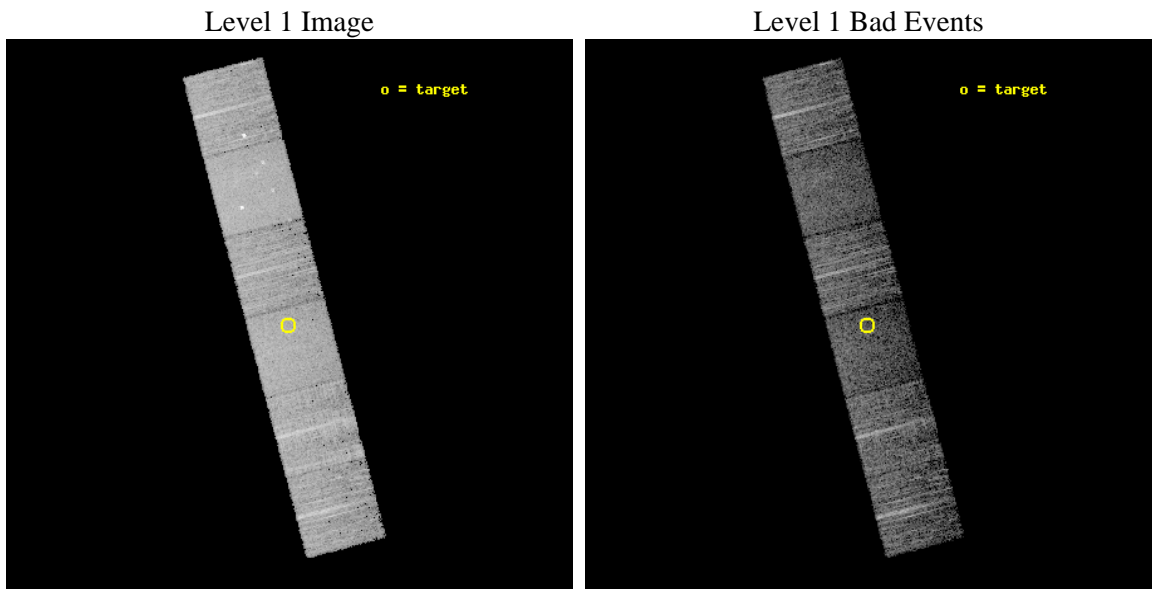
seq_num	600847	Sequence number
obs_id	11328	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC135814	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.522	Observer's specified target RA [deg]
dec_targ	-0.10126	Observer's specified target Dec [deg]
ra_nom	193.52057236168	Nominal RA [deg]
dec_nom	-0.096734788236684	Nominal Dec [deg]
roll_nom	75.318475453623	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4684.7999826074	Sum of GTIs [s]
livetime	4625.4782243797	Livetime [s]
ontime4	4684.7999826074	Sum of GTIs [s]
ontime5	4684.7999826074	Sum of GTIs [s]
ontime6	4684.7999826074	Sum of GTIs [s]
ontime7	4684.7999826074	Sum of GTIs [s]
ontime8	4684.7999826074	Sum of GTIs [s]
ontime9	4684.7999826074	Sum of GTIs [s]
l2events	62234	Number of level 2 events



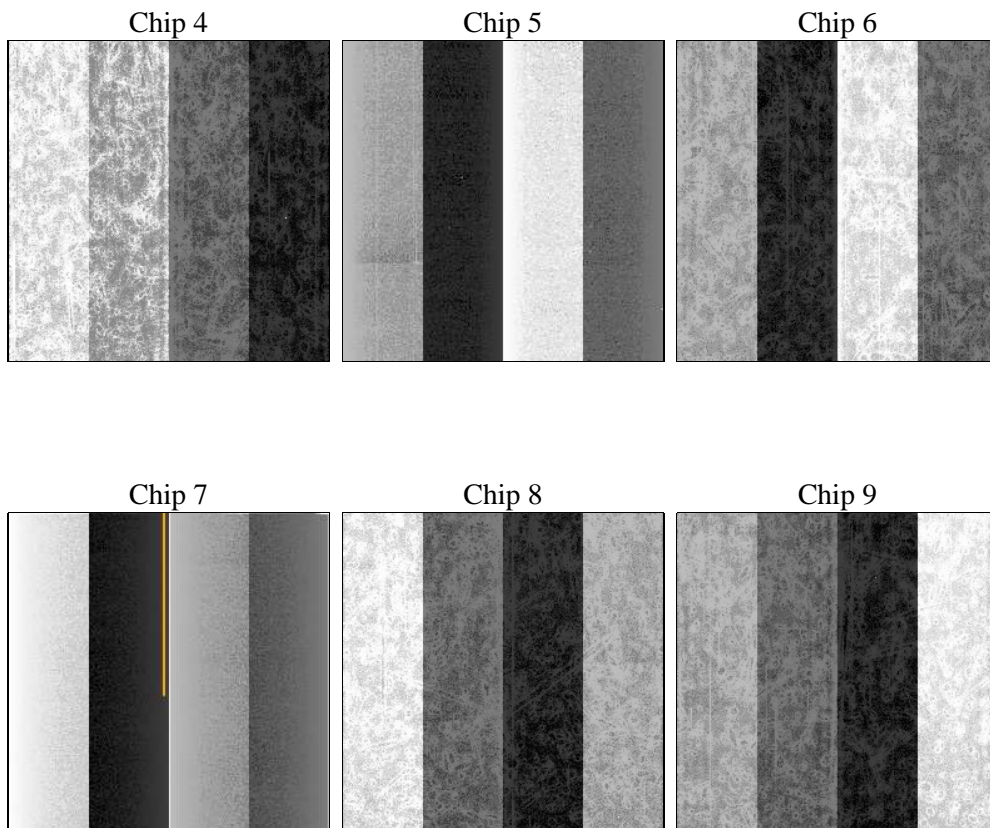
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4684.7999826074	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	4684.7999826074	Sum of GTIs [s]
date	2012-06-22T03:29:08	Date and time of file creation	ontime5	4684.7999826074	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4684.7999826074	Sum of GTIs [s]
			ontime7	4684.7999826074	Sum of GTIs [s]
			ontime8	4684.7999826074	Sum of GTIs [s]
			ontime9	4684.7999826074	Sum of GTIs [s]
			l1events	343280	Number of level 1 events

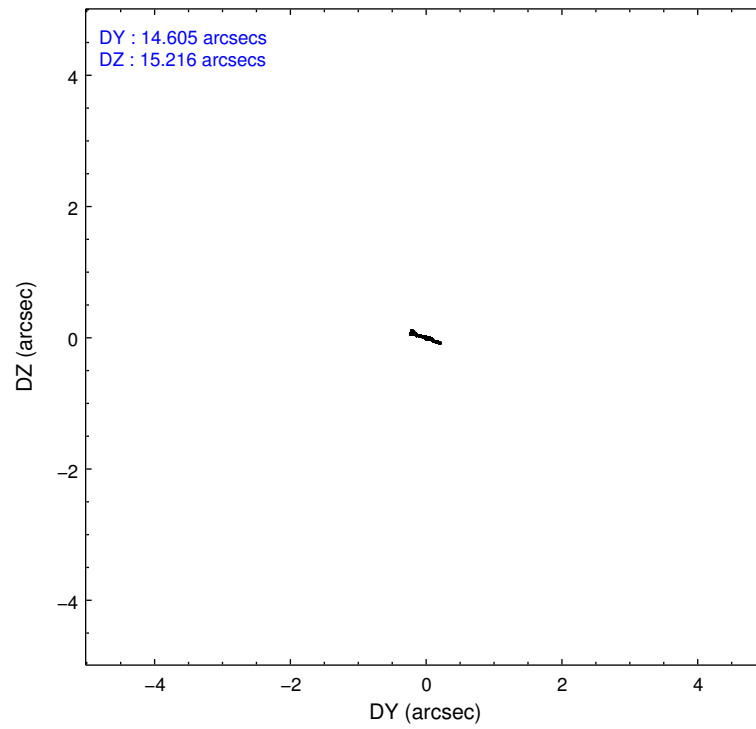
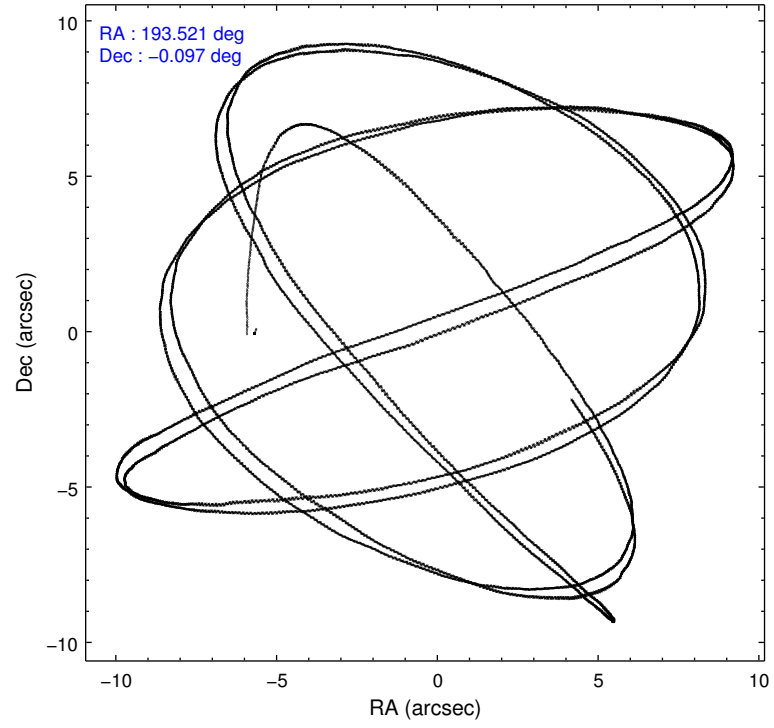
2.1.4 Events

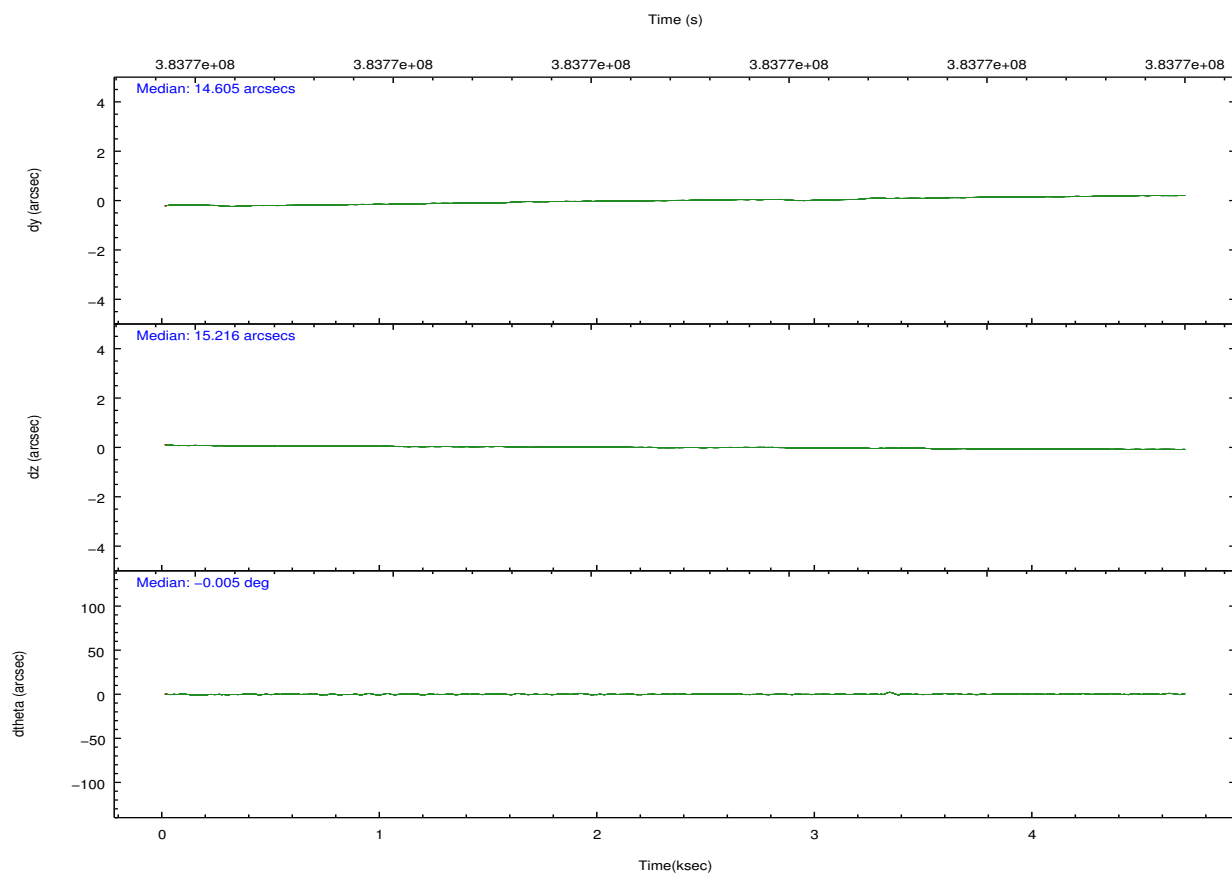
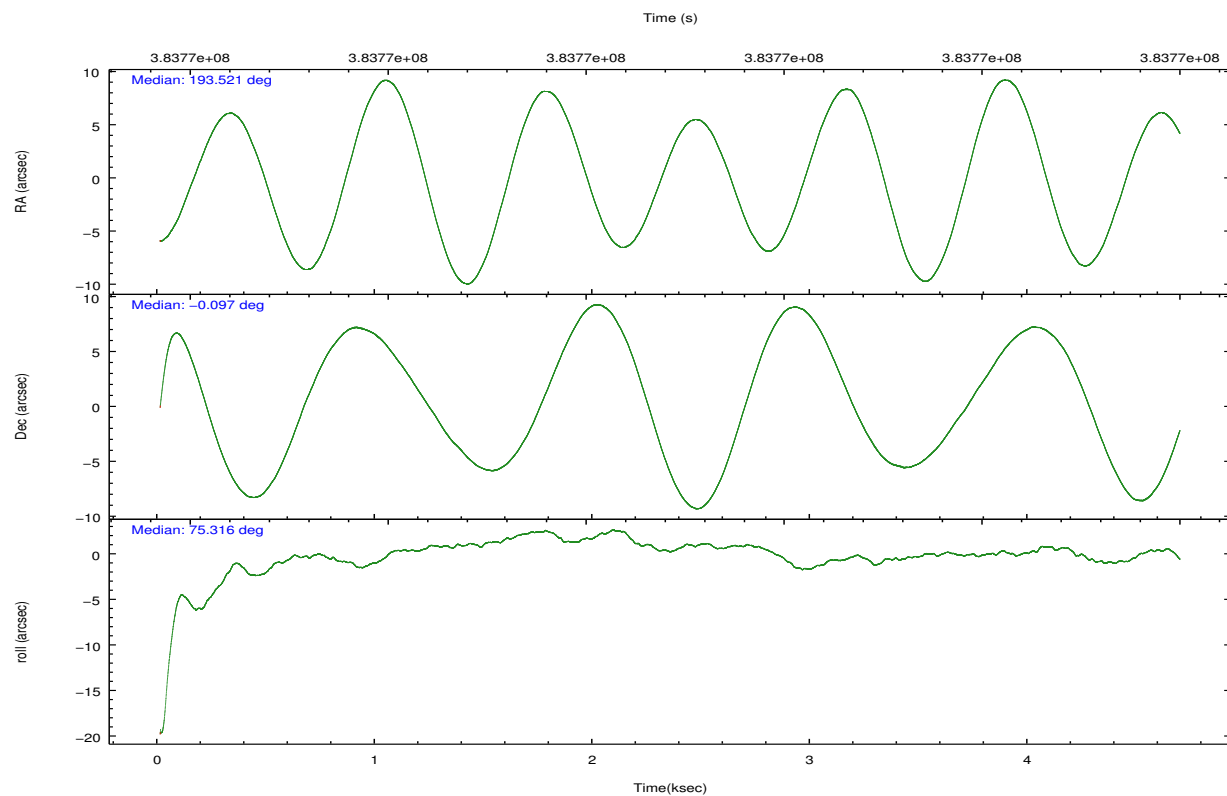
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	56394	71464	49493	57437	61758	46734	grade 0 events	3453	4113	1806	2385	4749	2109
rejected events	50941	42793	45358	36465	49560	42202		6%	5%	3%	4%	7%	4%
rejected %	90%	59%	91%	63%	80%	90%	grade 1 events	67	168	21	76	53	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	1293	10591	1179	5241	3471	1193
								2%	14%	2%	9%	5%	2%
							grade 3 events	594	1416	527	2310	1686	603
								1%	1%	1%	4%	2%	1%
							grade 4 events	517	1260	478	2332	1574	594
								0%	1%	0%	4%	2%	1%
							grade 5 events	2011	5365	2049	6027	3061	2243
								3%	7%	4%	10%	4%	4%
							grade 6 events	938	18399	1132	13763	3985	1176
								1%	25%	2%	23%	6%	2%
							grade 7 events	47521	30152	42301	25303	43179	38782
								84%	42%	85%	44%	69%	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	193.528167	193.5205723616759	CCD I2 on	N	N
[deg] Pointing Dec	-0.122889	-0.09673478823668447	CCD I3 on	N	N
[deg] Pointing Roll	75.161902	75.31847545362268	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)	383767277.184000	383765619.80618	CCD S5 on	O2	Y
Observation start date	2010-02-28T18:00:11	2010-02-28T17:33:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	383771777.184000	383772006.069	On-chip summing requested	N	N
Observation end date	2010-02-28T19:15:11	2010-02-28T19:20:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



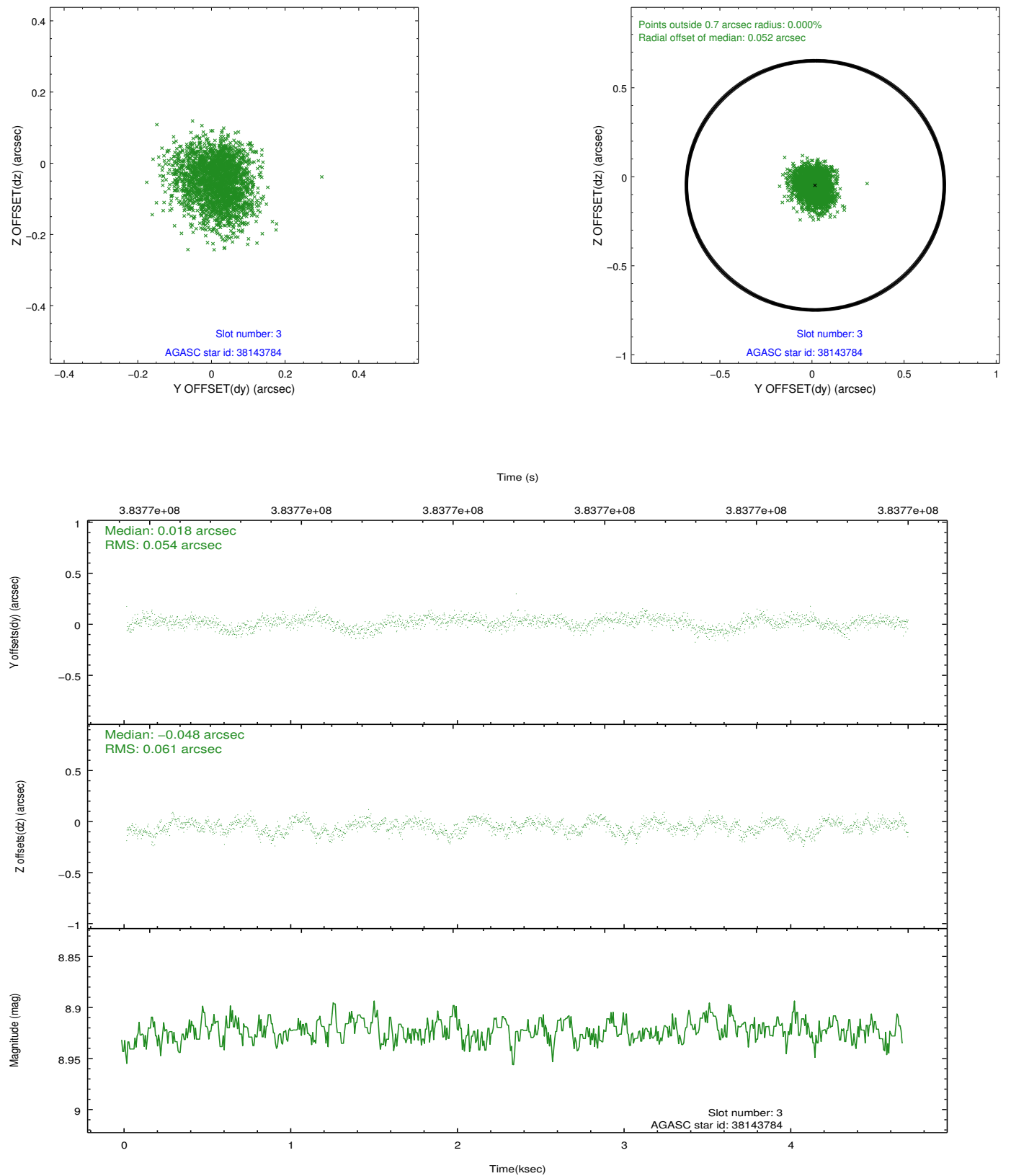


Slot Statistics

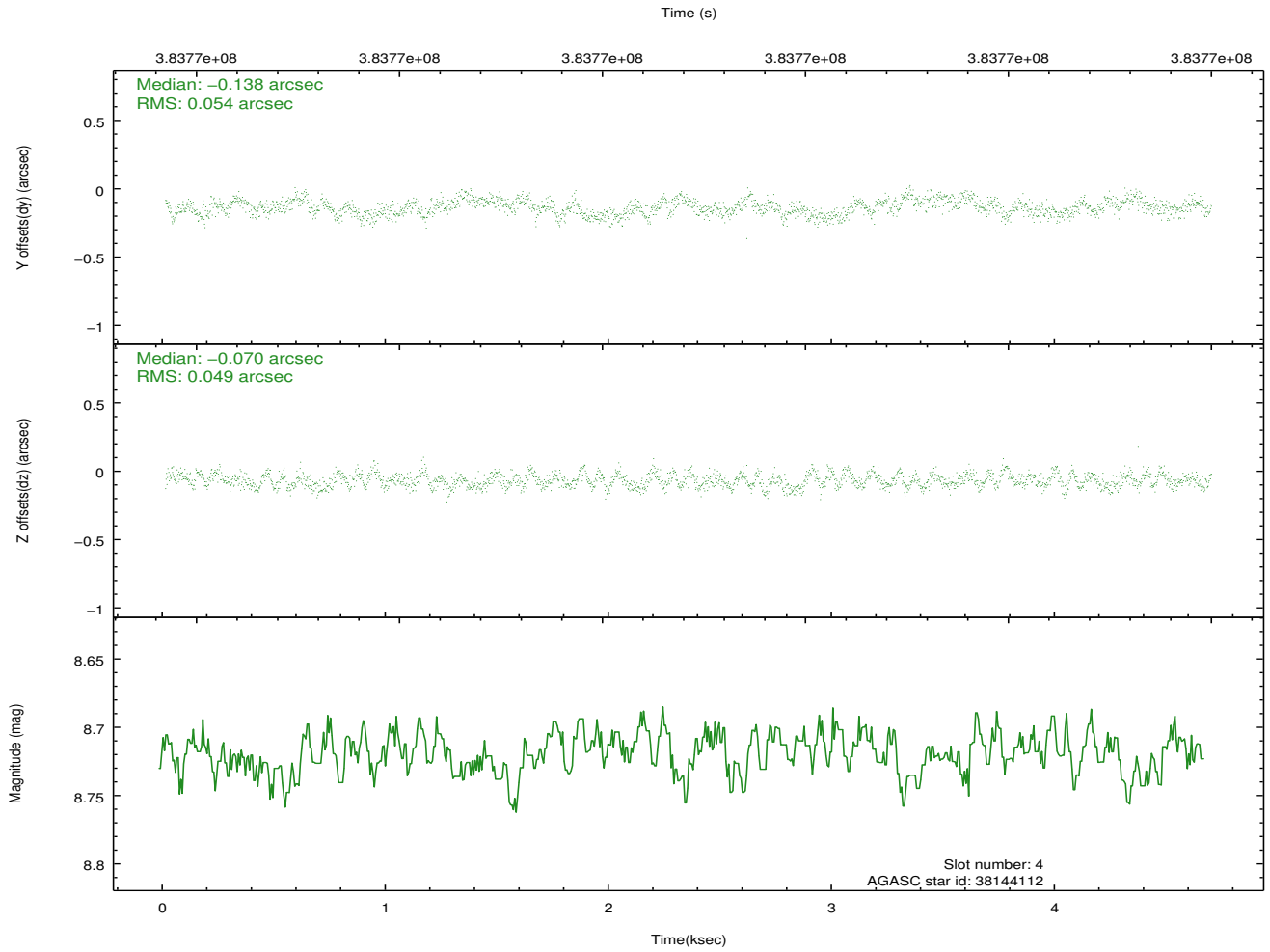
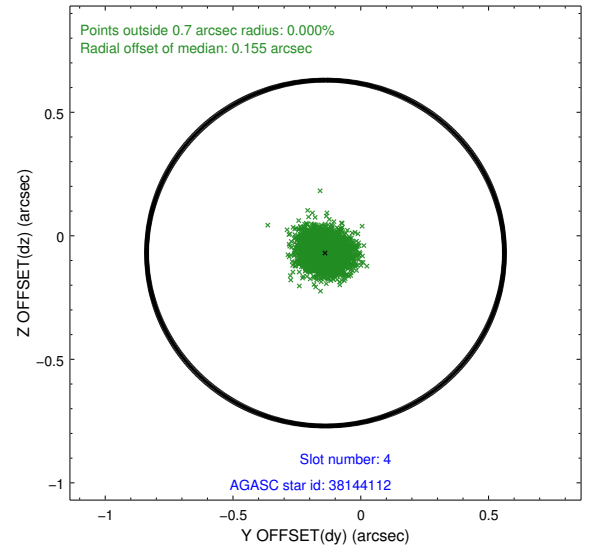
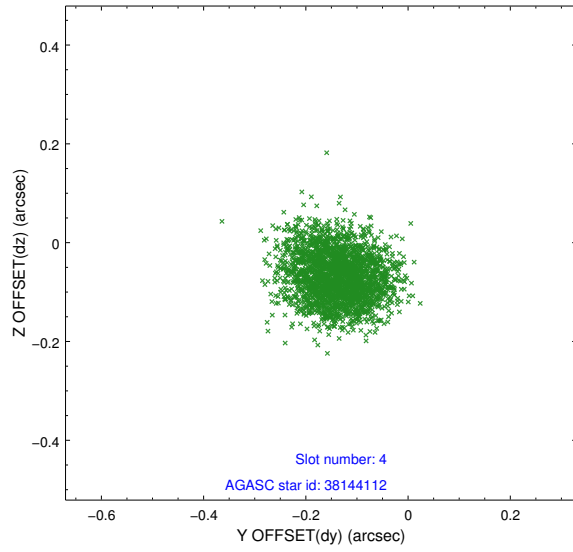
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	1144	-0.083	-0.026	0.008	0.013	0.000000	0.000000	-767.62	-1736.63
1	FID	ACIS-S-4	7.00	1144	0.202	0.047	0.007	0.011	0.000000	0.000000	2145.32	170.60
2	FID	ACIS-S-5	7.02	1144	-0.150	-0.012	0.006	0.011	0.000000	0.000000	-1818.87	165.66
3	GUIDE	38143784	8.92	2284	0.018	-0.048	0.087	0.138	193.400187	0.111428	697.95	661.56
4	GUIDE	38144112	8.72	2286	-0.138	-0.070	0.078	0.122	193.113721	0.229030	843.02	1767.26
5	GUIDE	38144832	8.85	2285	-0.116	-0.073	0.067	0.111	193.278687	0.444835	1746.30	1392.62
6	GUIDE	38147464	6.69	2288	-0.002	0.195	0.064	0.107	193.910052	0.055292	973.37	-1163.34
7	GUIDE	648806600	9.49	2283	0.241	-0.001	0.096	0.164	192.979355	-0.633994	-2283.48	1438.23

2.4 Star Slots

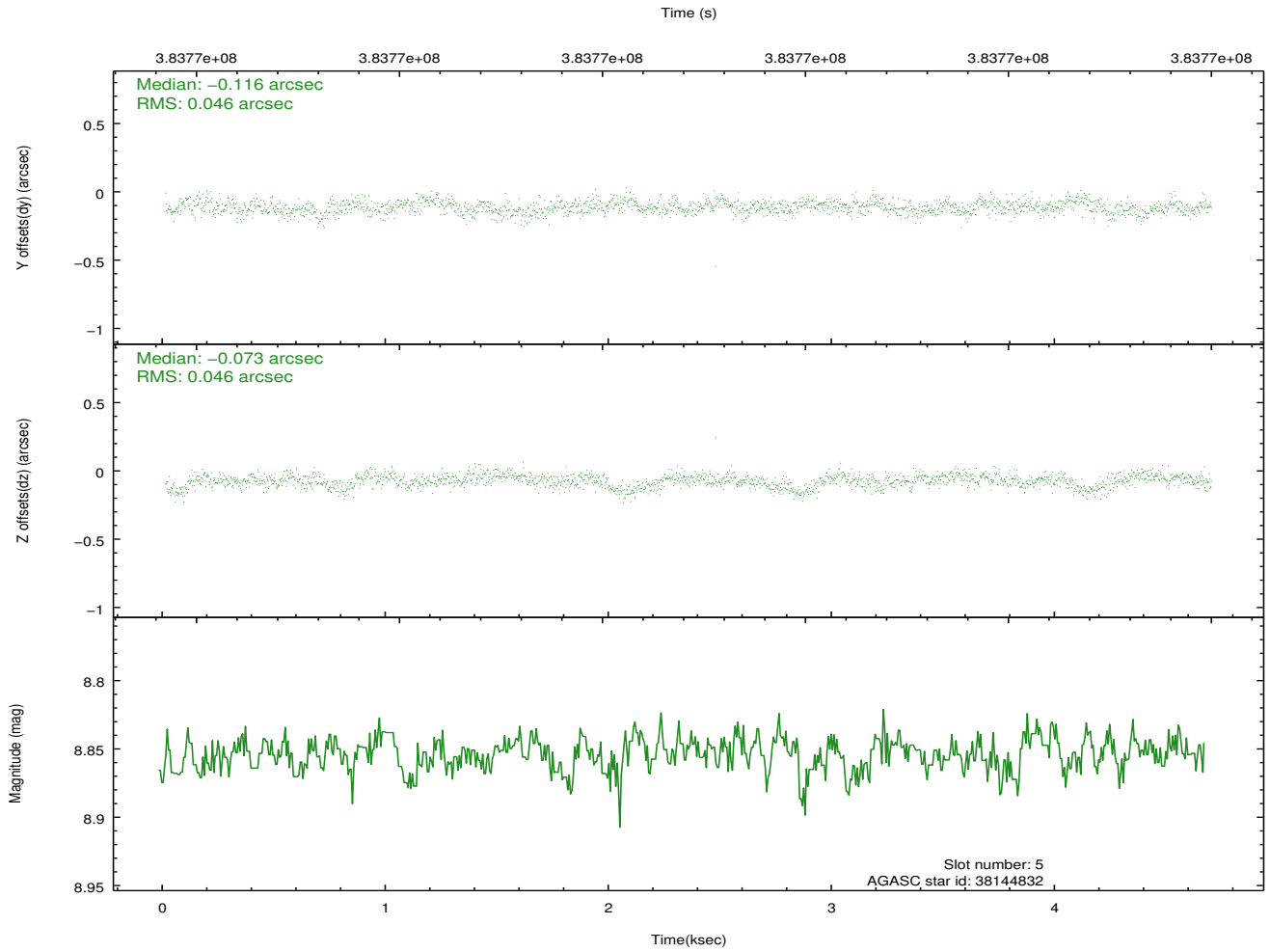
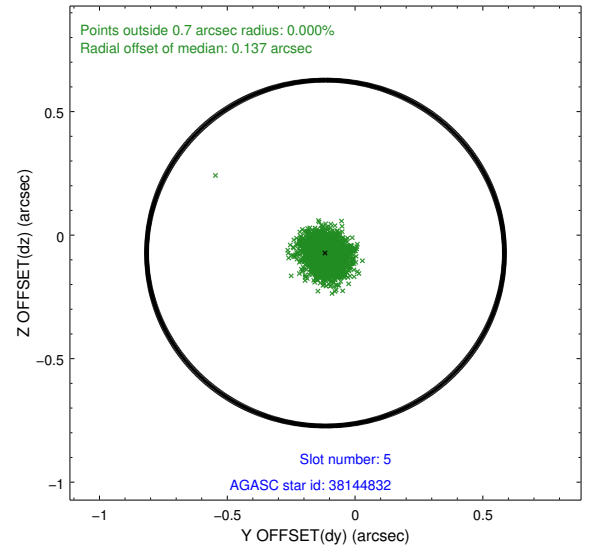
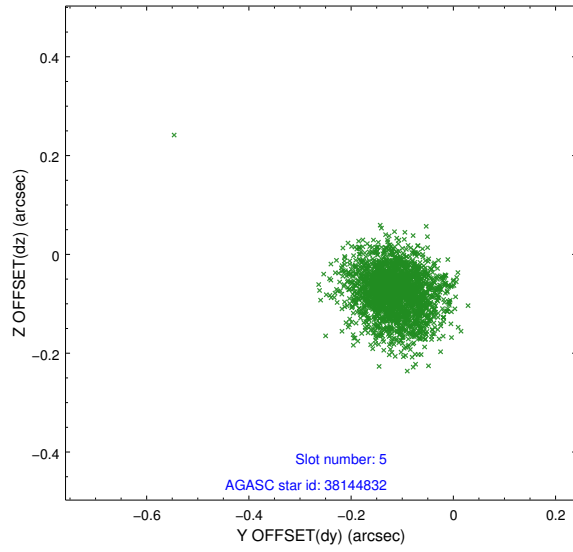
2.4.1 Slot 3



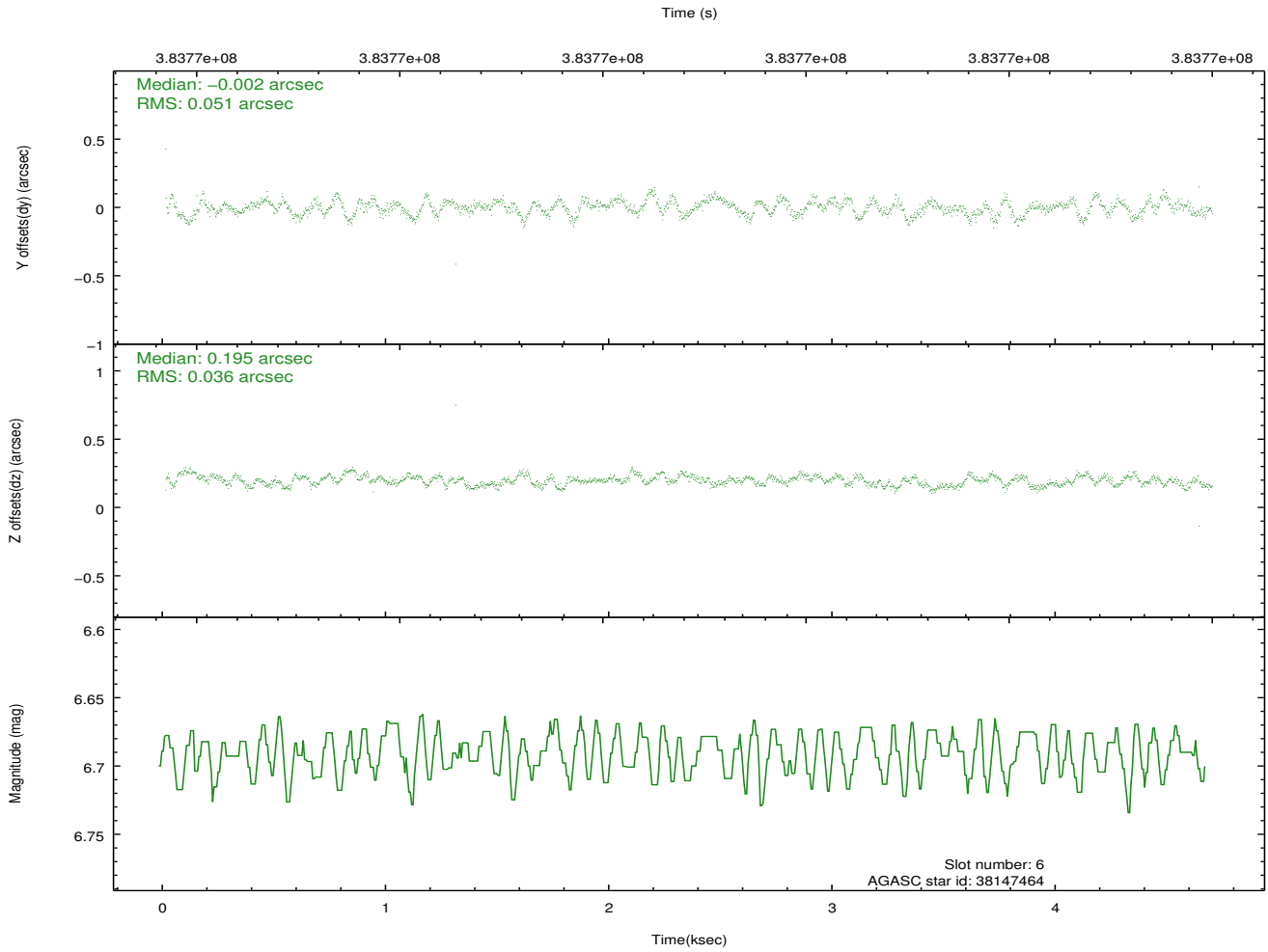
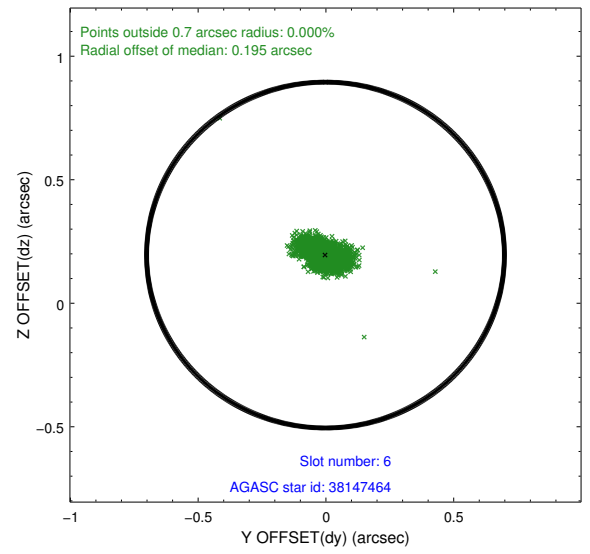
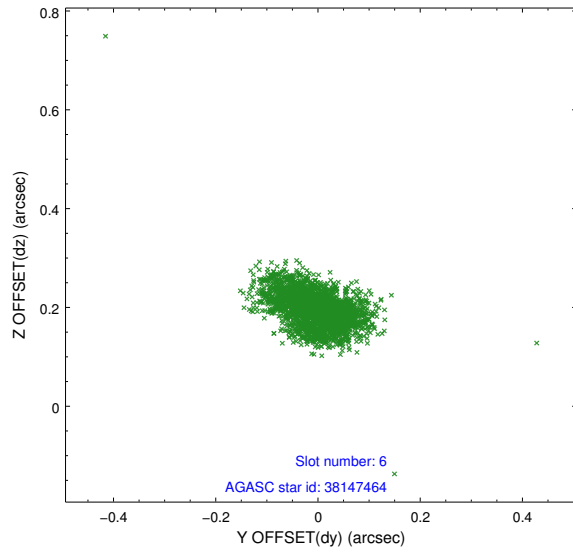
2.4.2 Slot 4



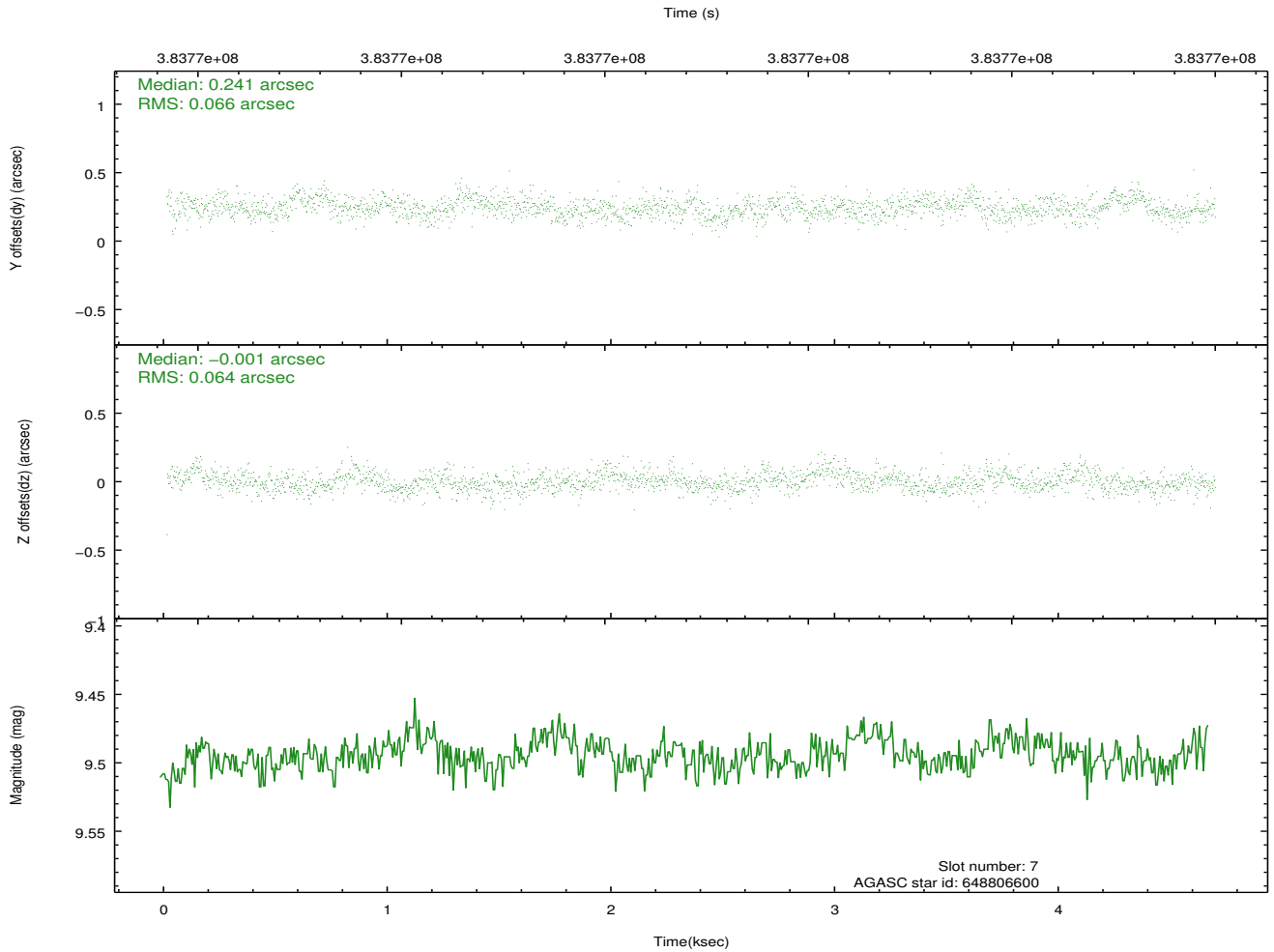
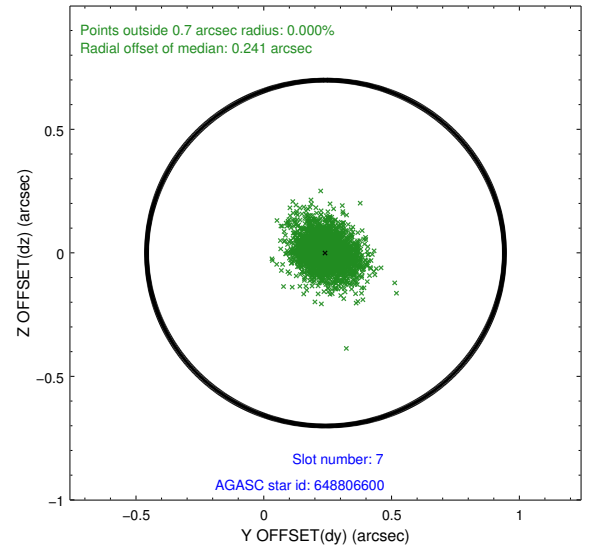
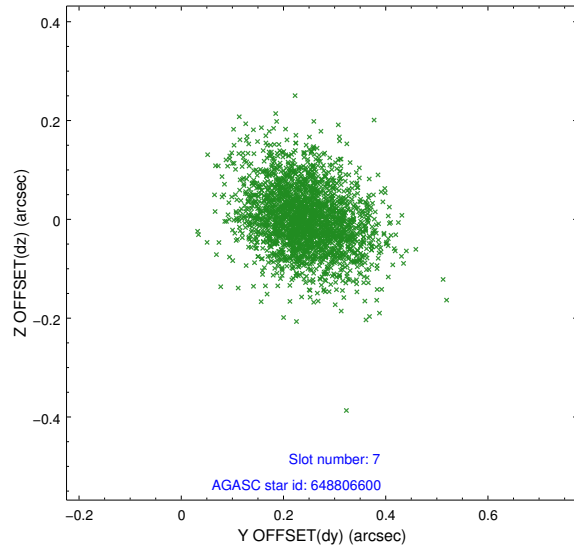
2.4.3 Slot 5



2.4.4 Slot 6

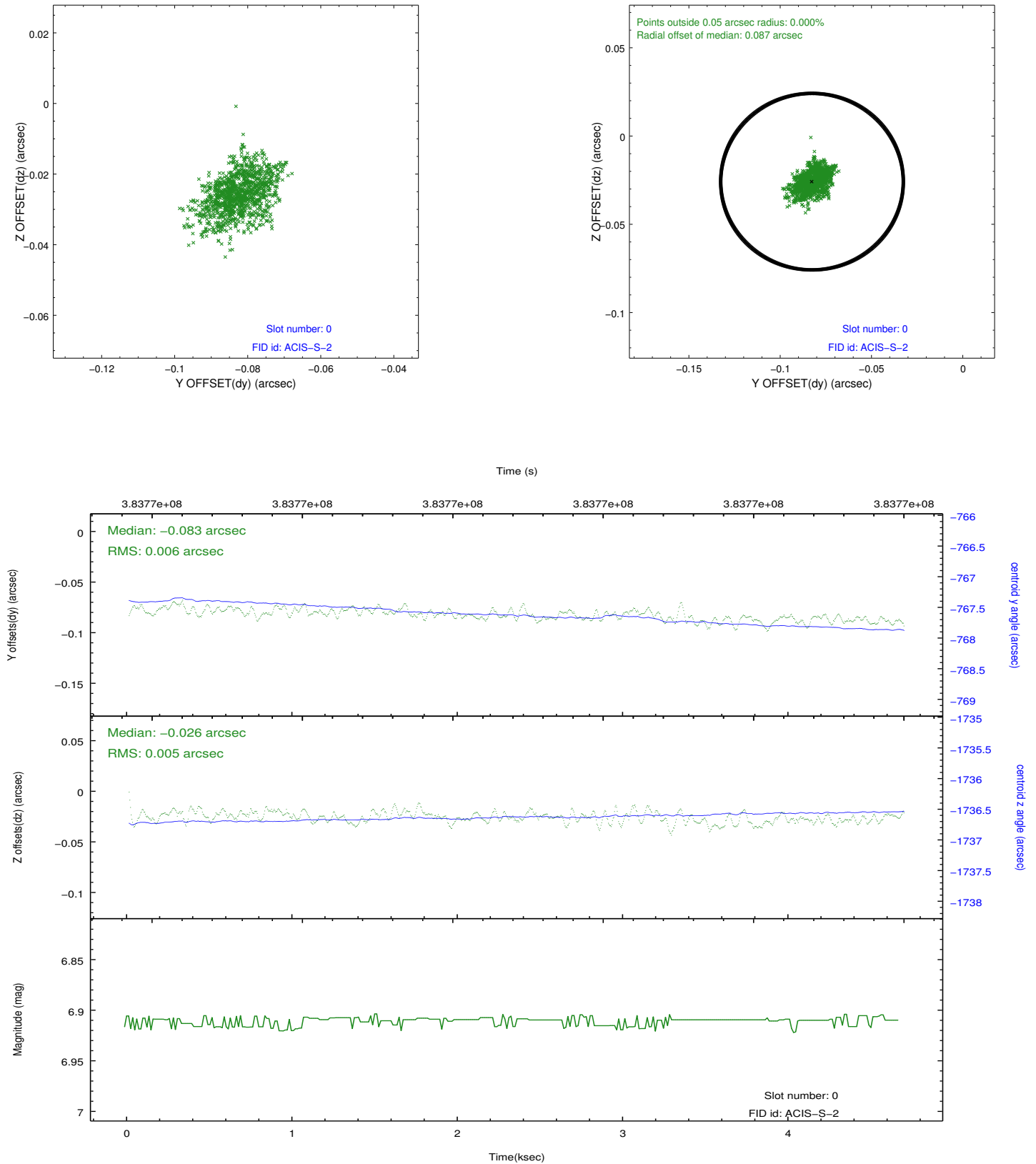


2.4.5 Slot 7

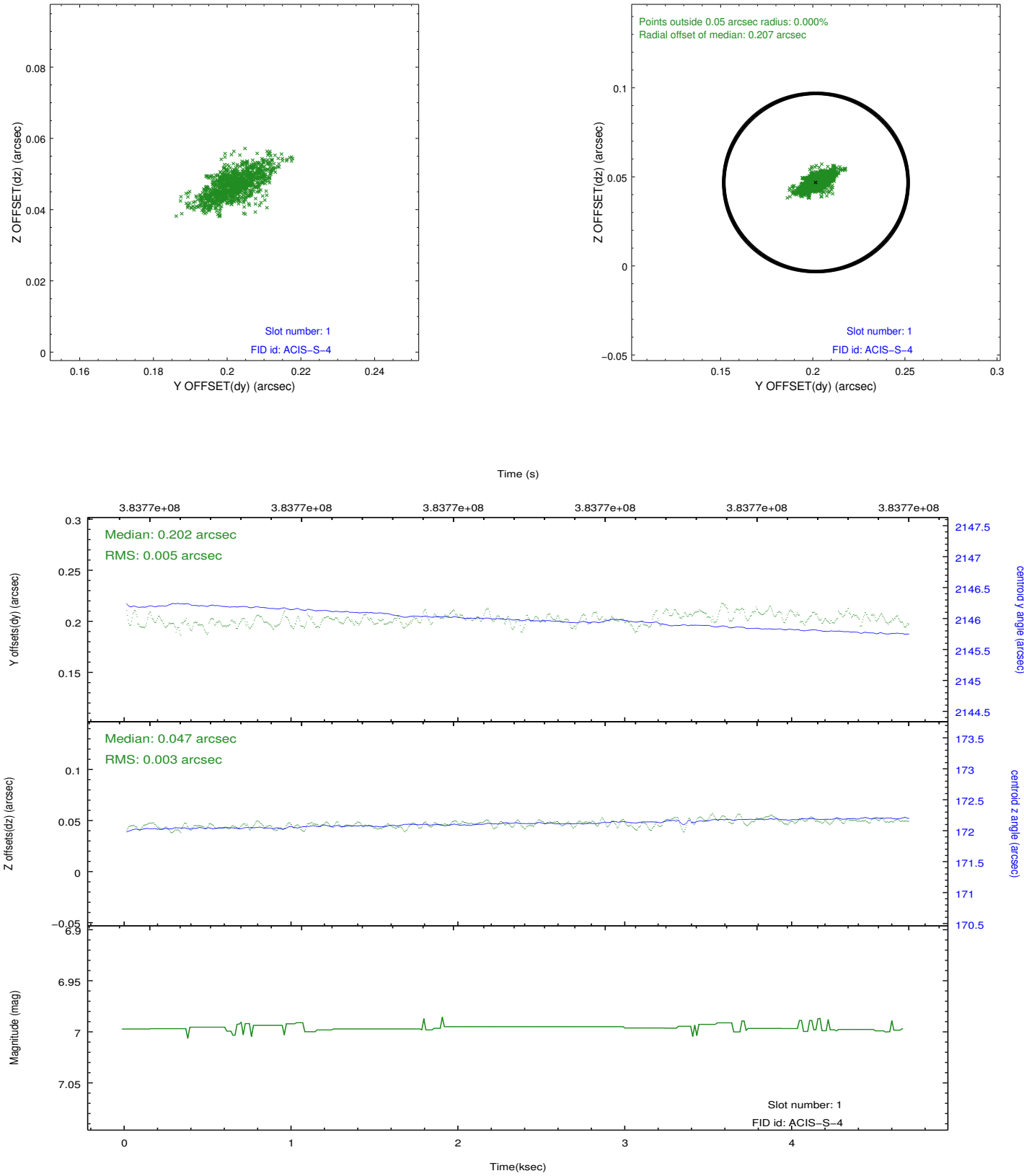


2.5 FID Slots

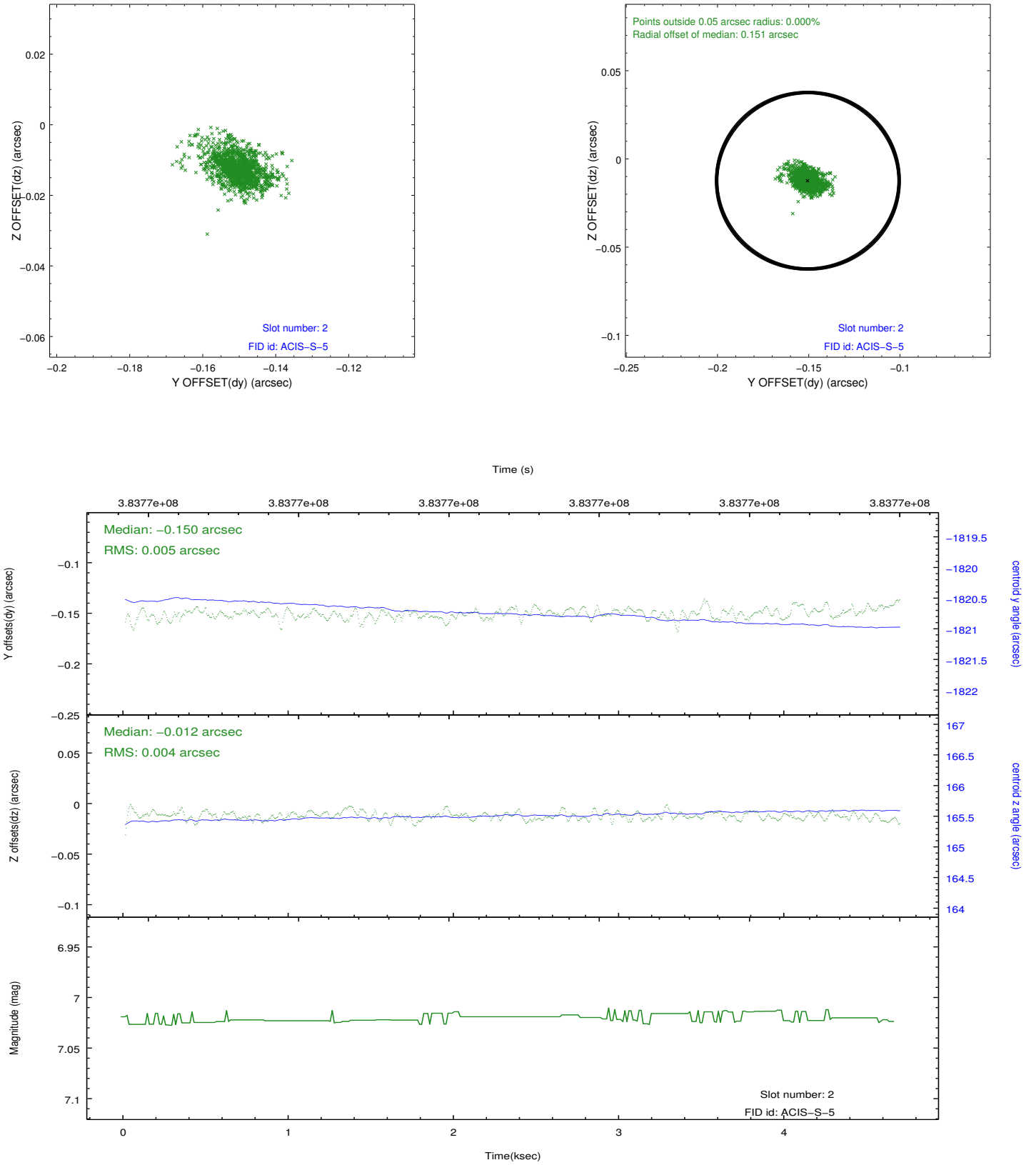
2.5.1 Slot 0



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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6847999826074

A.2 Comments