

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11378 - L2 Version 2
Chandra X-Ray Center

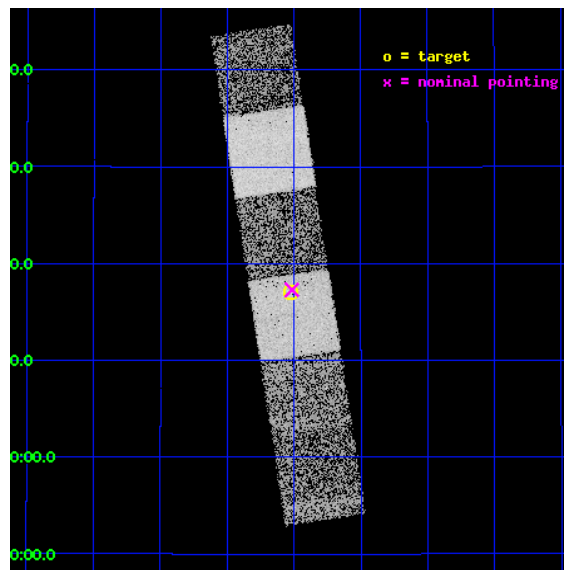
L2 Processing Date : Jun 19 2012

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1 Front

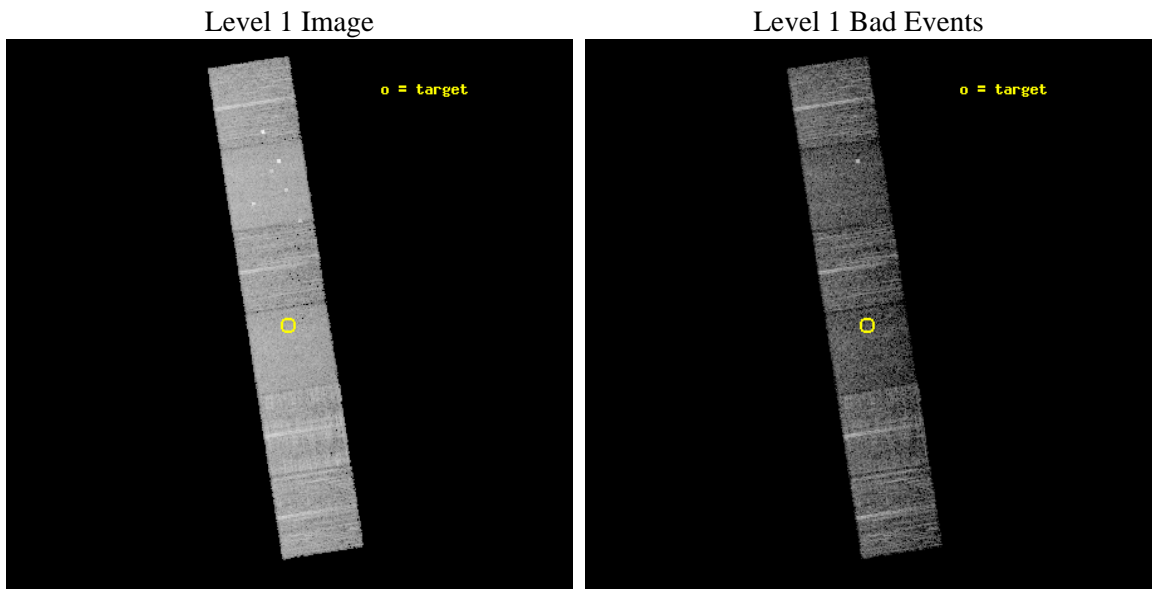
seq_num	600897	Sequence number
obs_id	11378	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC030133	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.756	Observer's specified target RA [deg]
dec_targ	21.28377	Observer's specified target Dec [deg]
ra_nom	154.75400751967	Nominal RA [deg]
dec_nom	21.288296419582	Nominal Dec [deg]
roll_nom	81.191969393189	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4726.3999824524	Sum of GTIs [s]
livetime	4666.5514599782	Livetime [s]
ontime4	4723.1590420604	Sum of GTIs [s]
ontime5	4726.3999824524	Sum of GTIs [s]
ontime6	4726.3999824524	Sum of GTIs [s]
ontime7	4726.3999824524	Sum of GTIs [s]
ontime8	4723.1590021253	Sum of GTIs [s]
ontime9	4726.3999824524	Sum of GTIs [s]
l2events	64388	Number of level 2 events



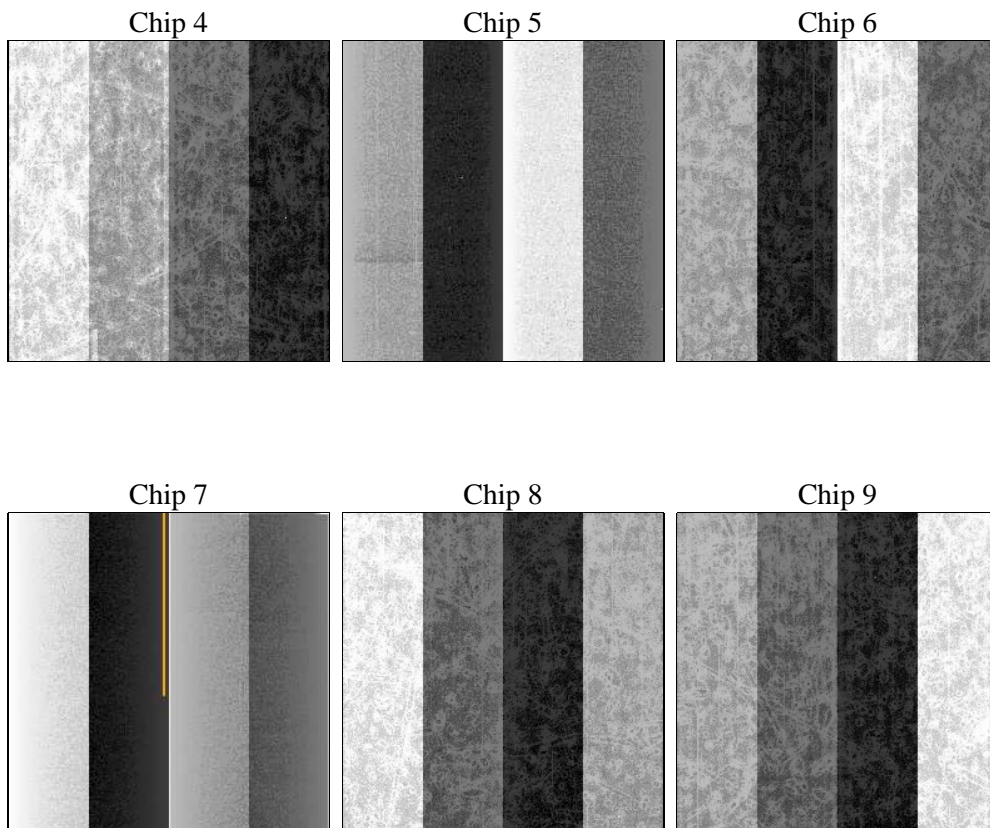
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4726.3999824524	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	4723.1590420604	Sum of GTIs [s]
date	2012-06-19T08:44:13	Date and time of file creation	ontime5	4726.3999824524	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4726.3999824524	Sum of GTIs [s]
			ontime7	4726.3999824524	Sum of GTIs [s]
			ontime8	4723.1590021253	Sum of GTIs [s]
			ontime9	4726.3999824524	Sum of GTIs [s]
			l1events	313382	Number of level 1 events

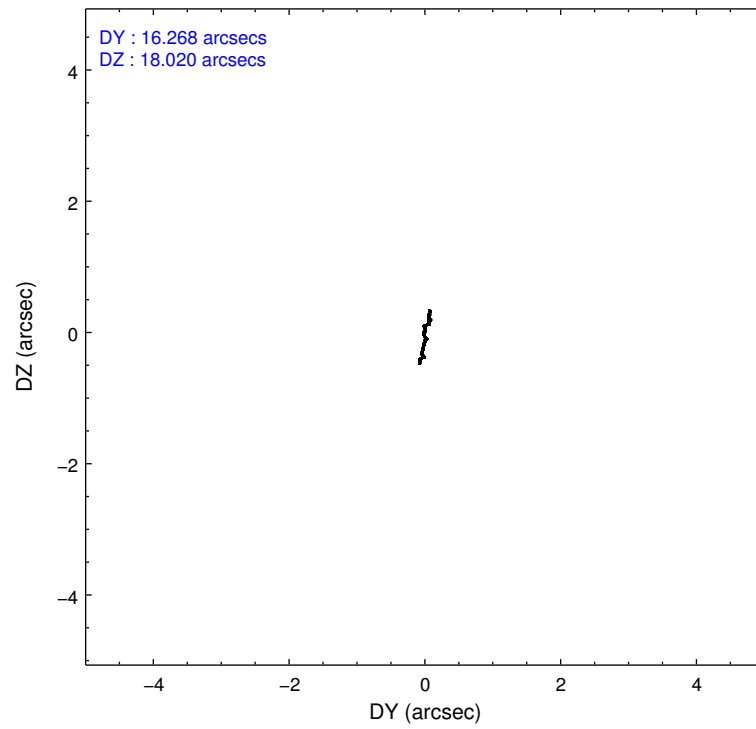
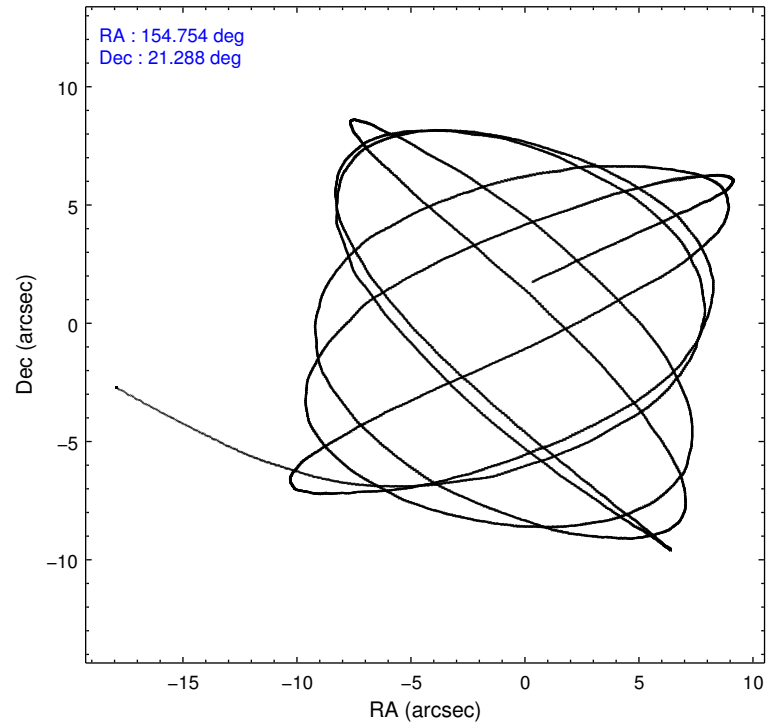
2.1.4 Events

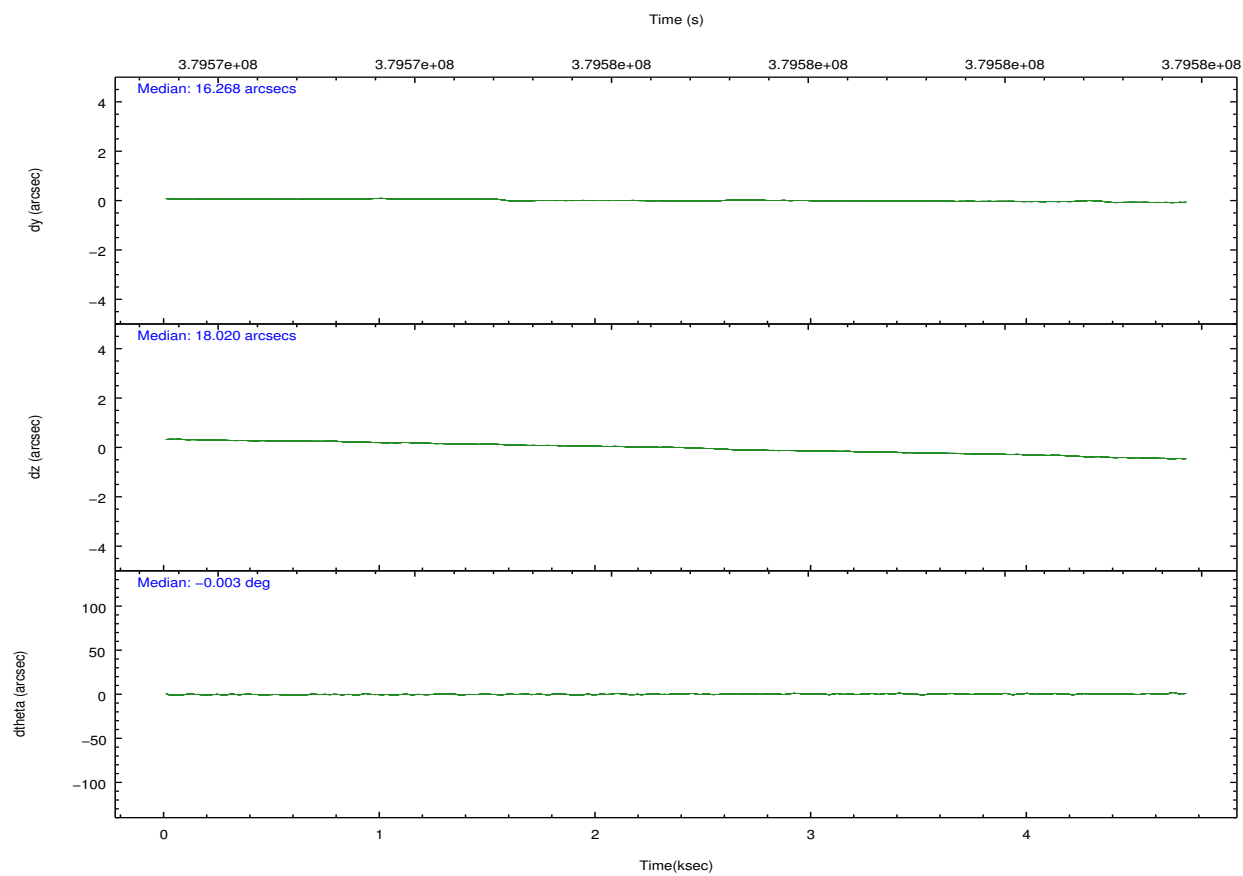
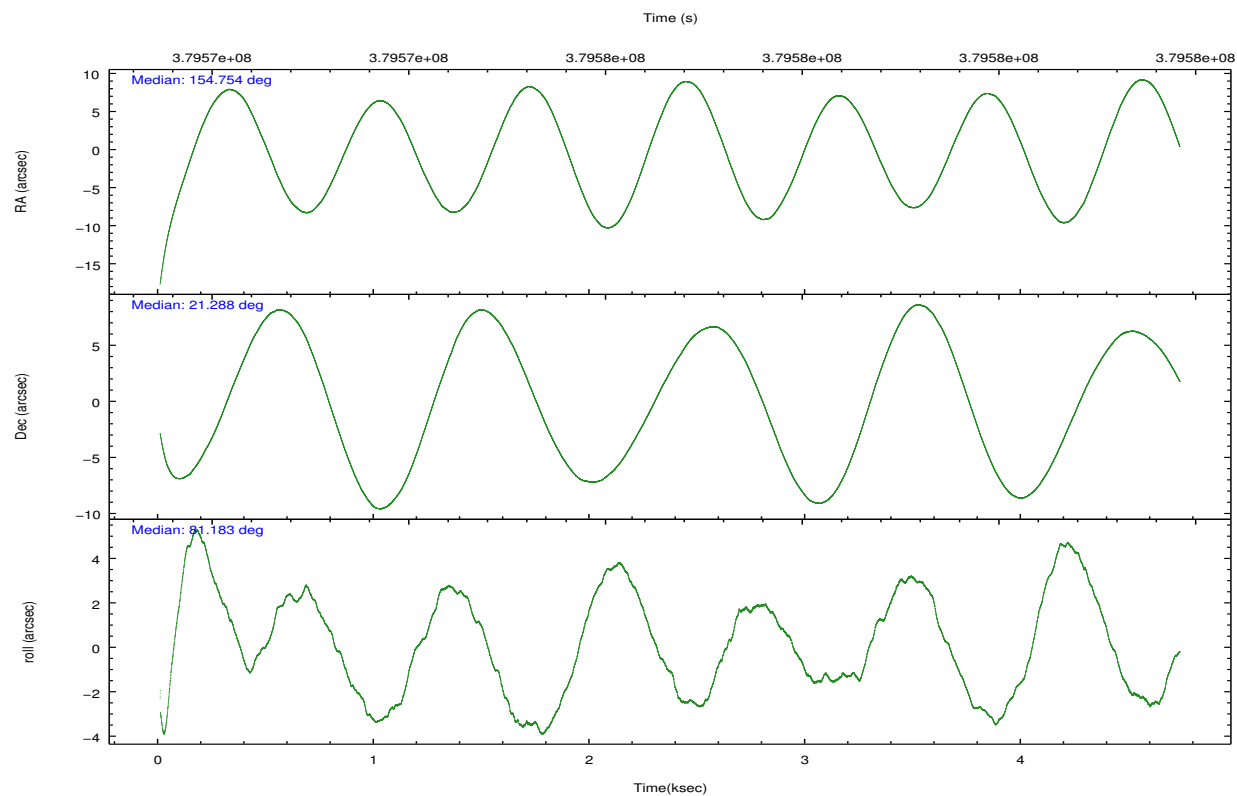
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	51866	64035	43078	50256	58535	45612	grade 0 events	3086	3385	1597	2183	4662	1689
rejected events	46243	33985	38817	28463	44221	41054		5%	5%	3%	4%	7%	3%
rejected %	89%	53%	90%	56%	75%	90%	grade 1 events	57	199	20	62	46	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	1101	9735	1004	4797	3425	1066
								2%	15%	2%	9%	5%	2%
							grade 3 events	482	1224	480	2091	1767	517
								0%	1%	1%	4%	3%	1%
							grade 4 events	476	1217	445	2030	1612	520
								0%	1%	1%	4%	2%	1%
							grade 5 events	1775	4741	1783	5205	2643	2071
								3%	7%	4%	10%	4%	4%
							grade 6 events	800	16351	996	12027	3668	1048
								1%	25%	2%	23%	6%	2%
							grade 7 events	44089	27183	36753	21861	40712	38678
								85%	42%	85%	43%	69%	84%

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	154.764962	154.7540075196718	CCD I2 on	N	N
[deg] Pointing Dec	21.262880	21.28829641958237	CCD I3 on	N	N
[deg] Pointing Roll	81.031379	81.19196939318915	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)	379573101.184000	379571916.14373	CCD S5 on	O2	Y
Observation start date	2010-01-11T04:57:15	2010-01-11T04:38:36	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	379577701.184000	379578198.88155	On-chip summing requested	N	N
Observation end date	2010-01-11T06:13:55	2010-01-11T06:23:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



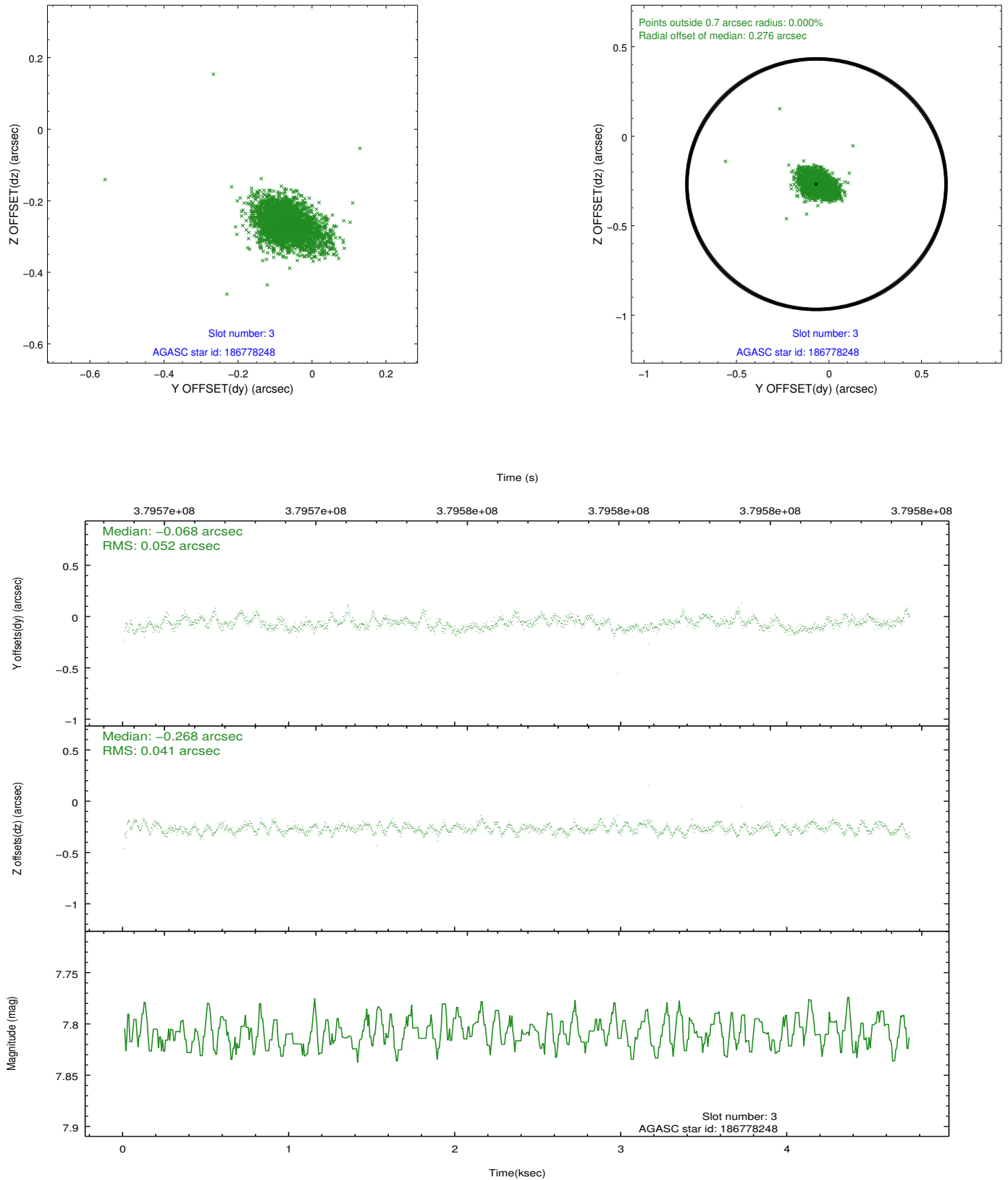


Slot Statistics

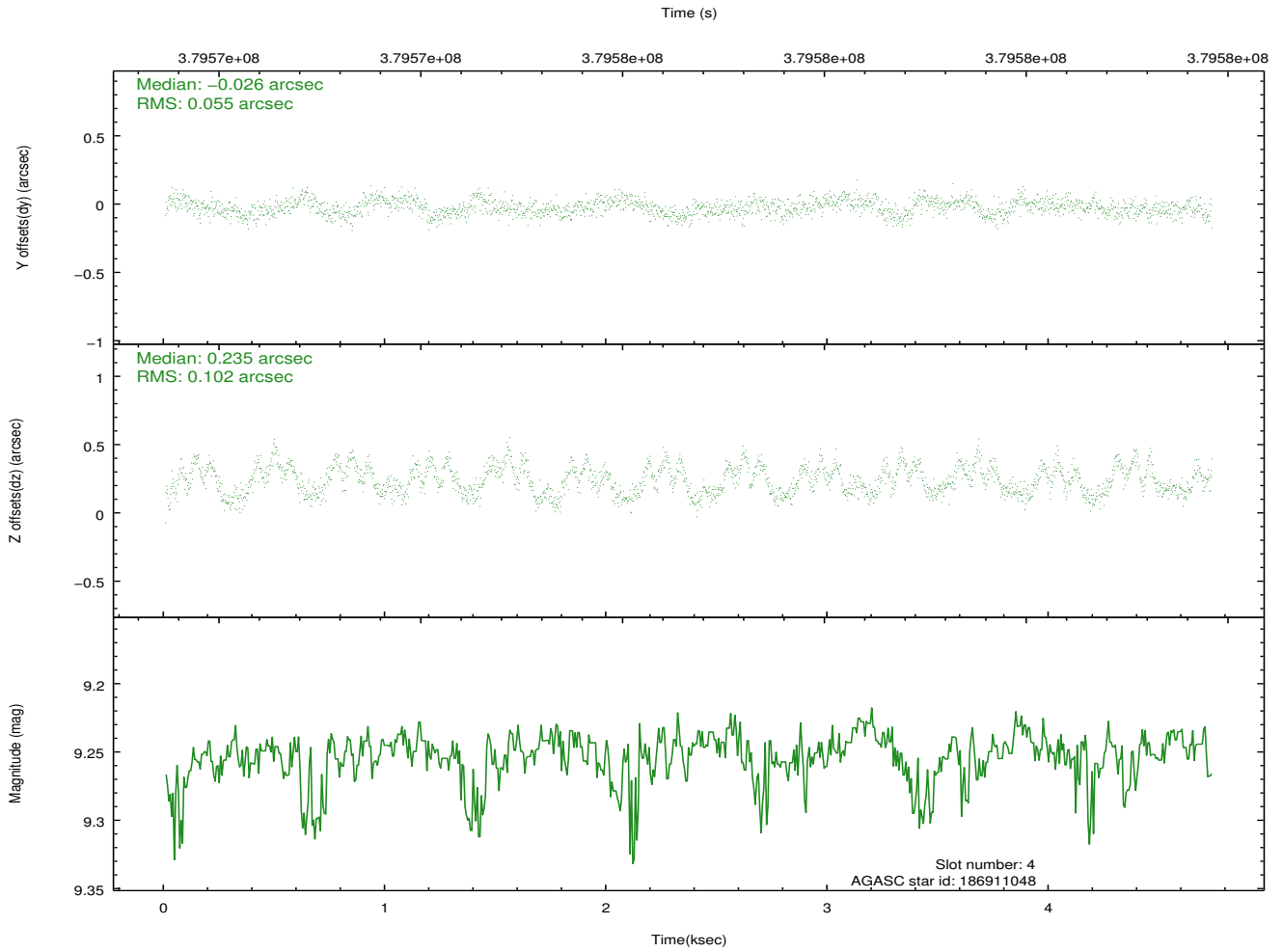
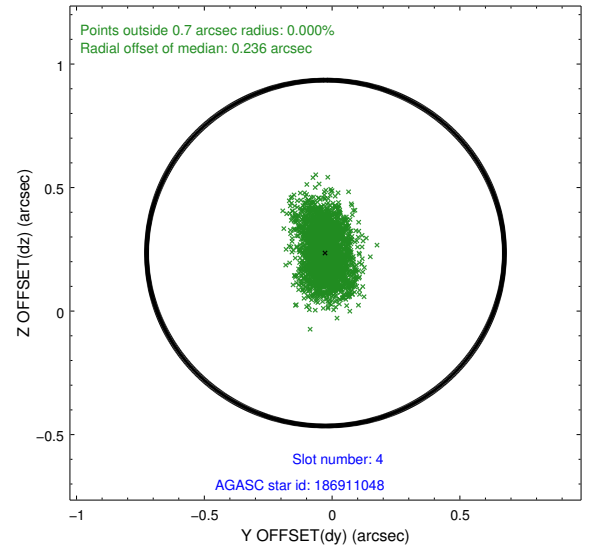
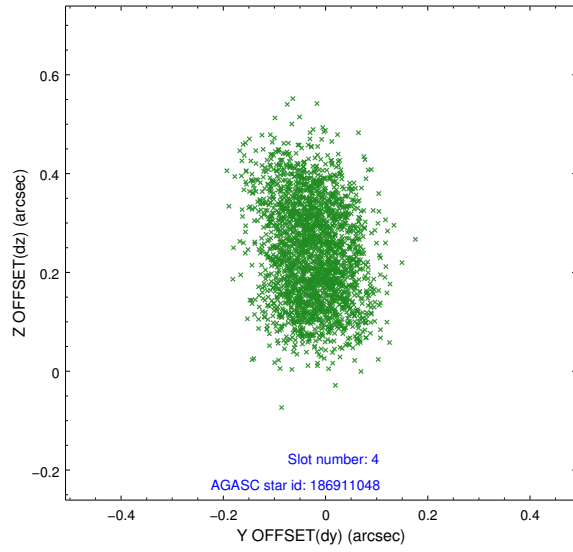
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	1154	-0.057	-0.020	0.006	0.011	0.000000	0.000000	-769.38	-1739.40
1	FID	ACIS-S-4	6.95	1154	0.122	0.033	0.007	0.011	0.000000	0.000000	2143.53	167.73
2	FID	ACIS-S-5	6.98	1154	-0.097	-0.004	0.007	0.011	0.000000	0.000000	-1820.56	162.92
3	GUIDE	186778248	7.81	2308	-0.068	-0.268	0.067	0.114	154.251642	21.913046	2047.07	2058.50
4	GUIDE	186911048	9.25	2303	-0.026	0.235	0.125	0.196	155.458376	21.346993	667.58	-2246.85
5	GUIDE	186911768	8.96	2307	0.040	0.217	0.098	0.152	155.428348	21.393746	817.03	-2122.40
6	GUIDE	186913968	9.23	2299	0.253	-0.041	0.093	0.151	154.826927	20.959192	-1046.70	-377.31
7	GUIDE	186779304	7.57	2305	-0.205	-0.142	0.055	0.091	154.495566	21.968561	2369.01	1284.75

2.4 Star Slots

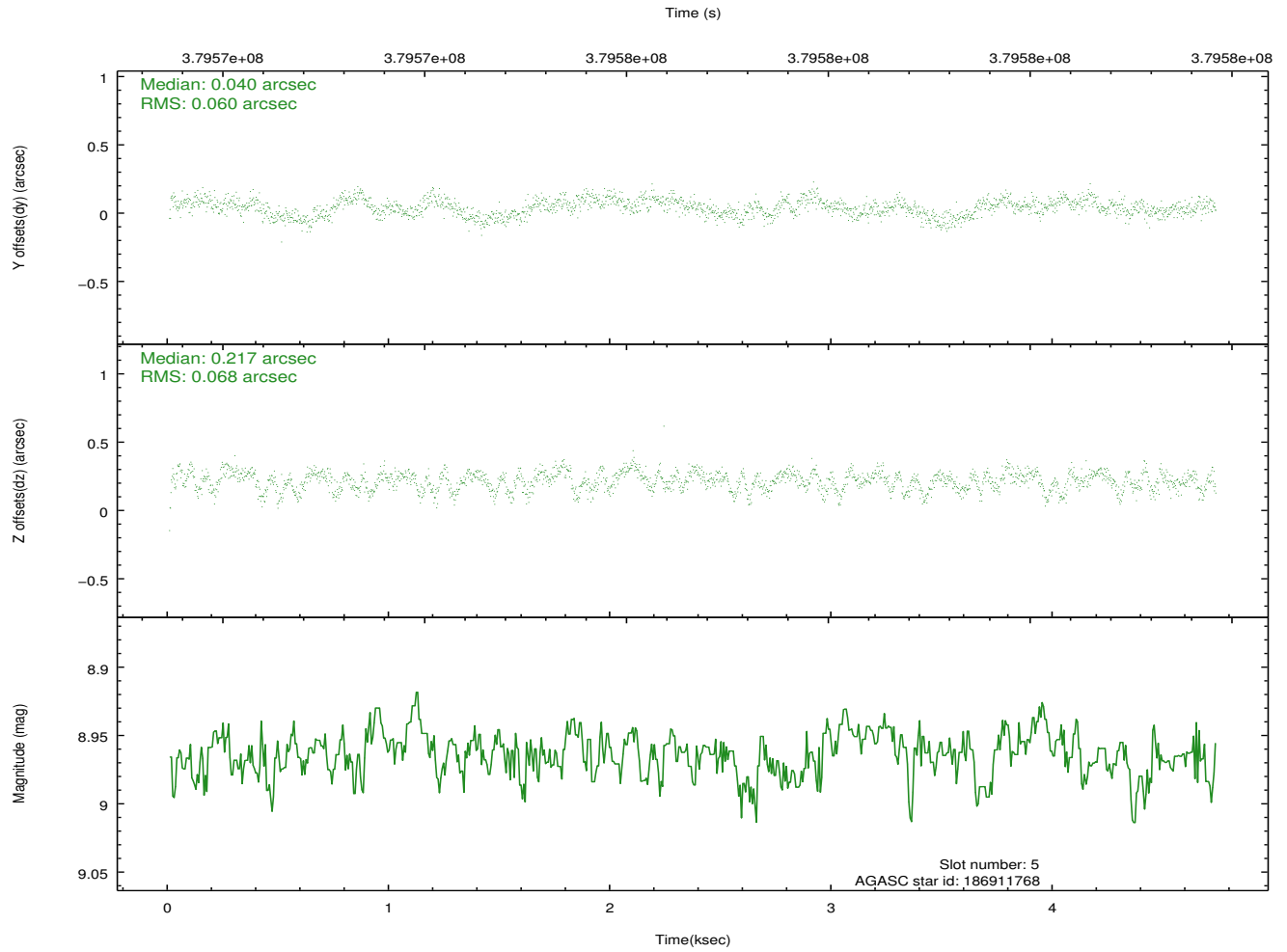
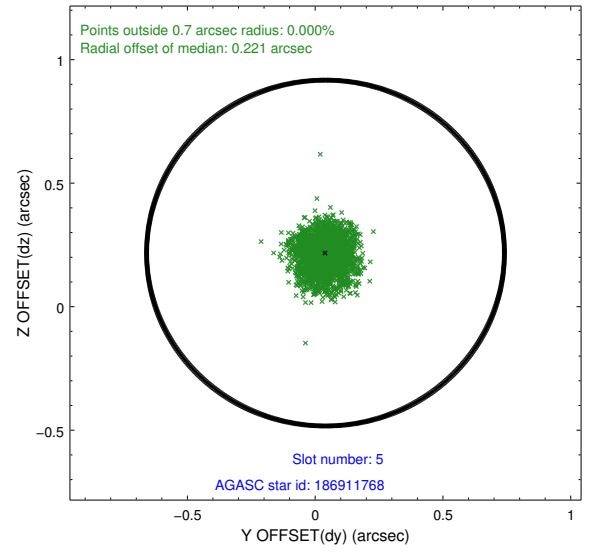
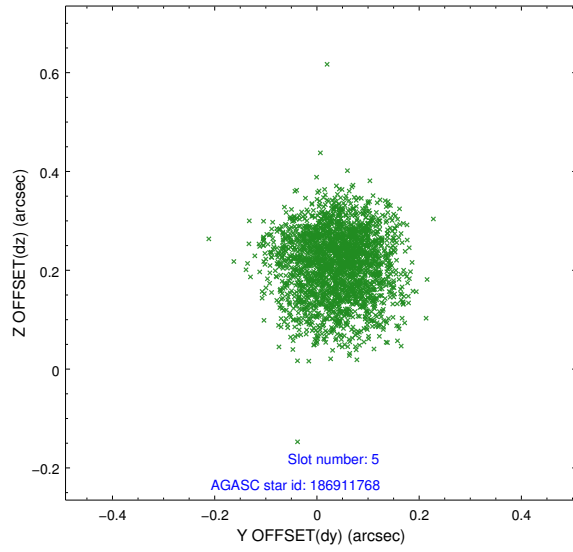
2.4.1 Slot 3



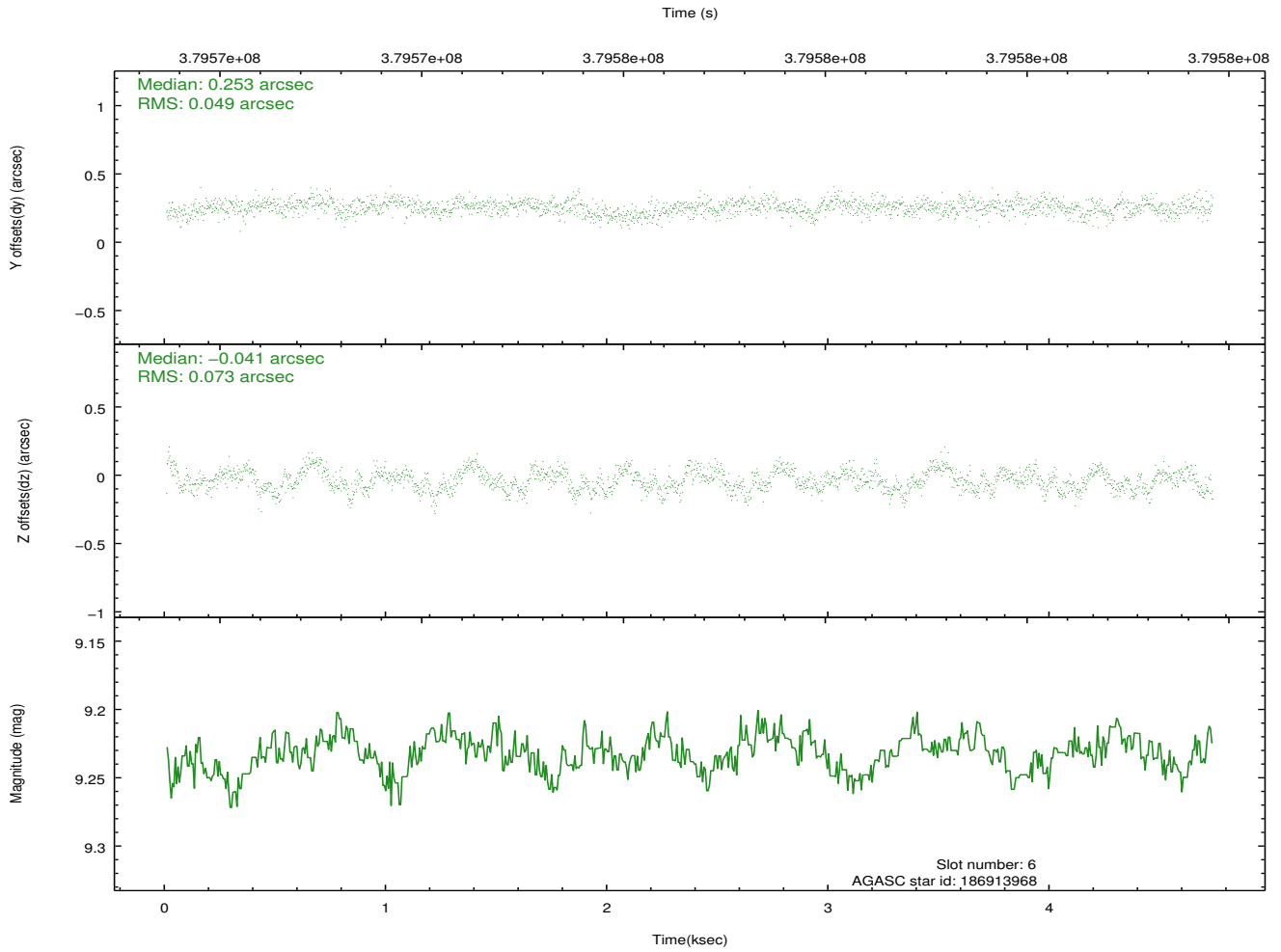
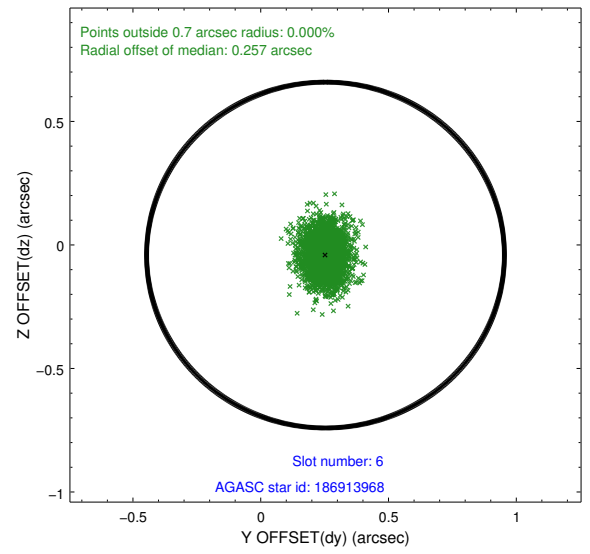
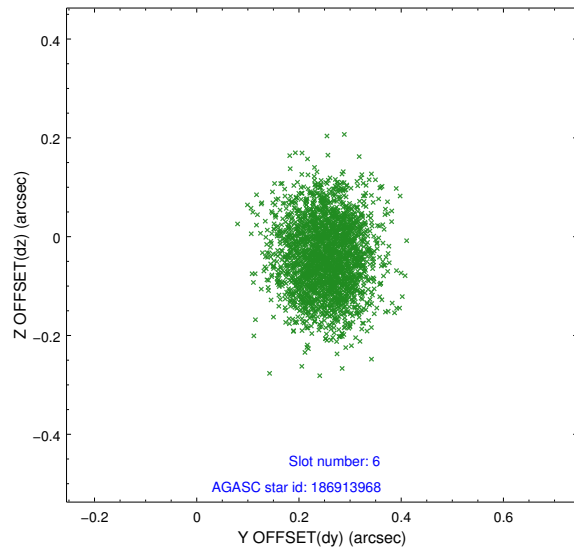
2.4.2 Slot 4



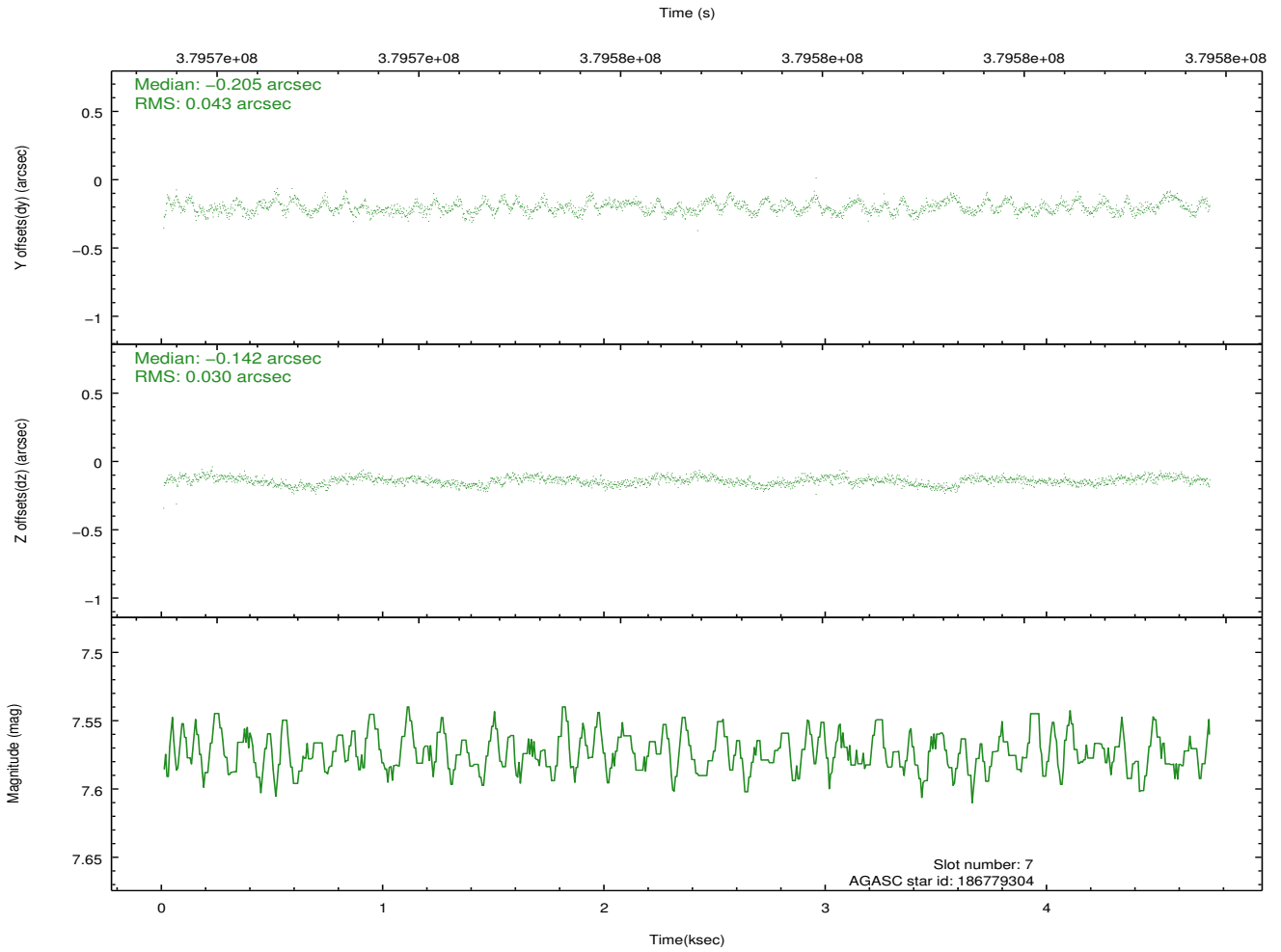
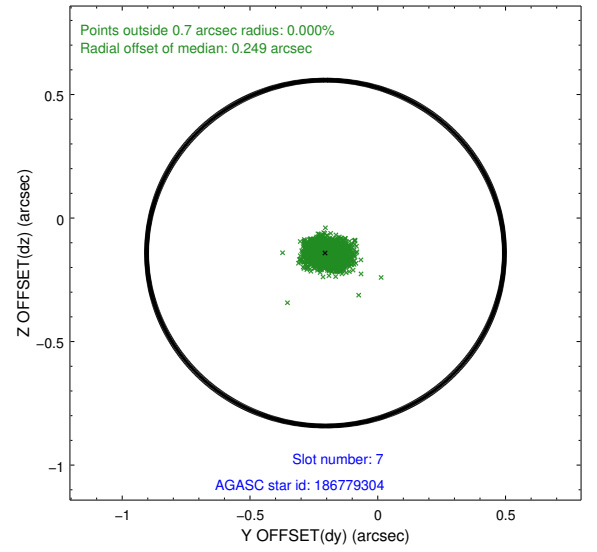
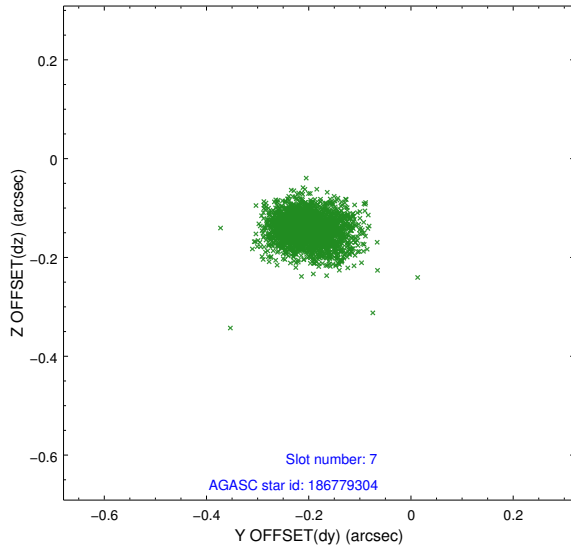
2.4.3 Slot 5



2.4.4 Slot 6

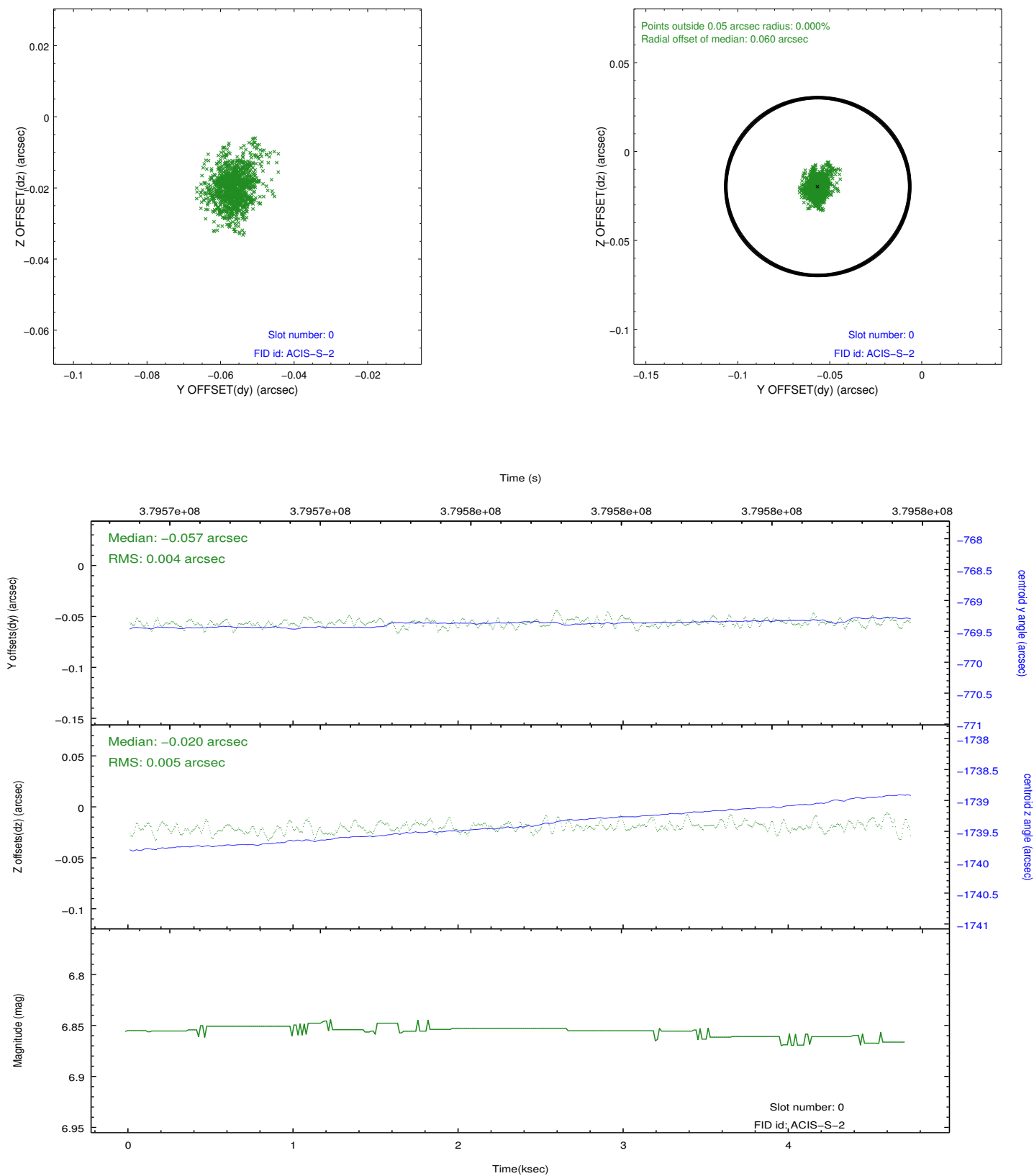


2.4.5 Slot 7

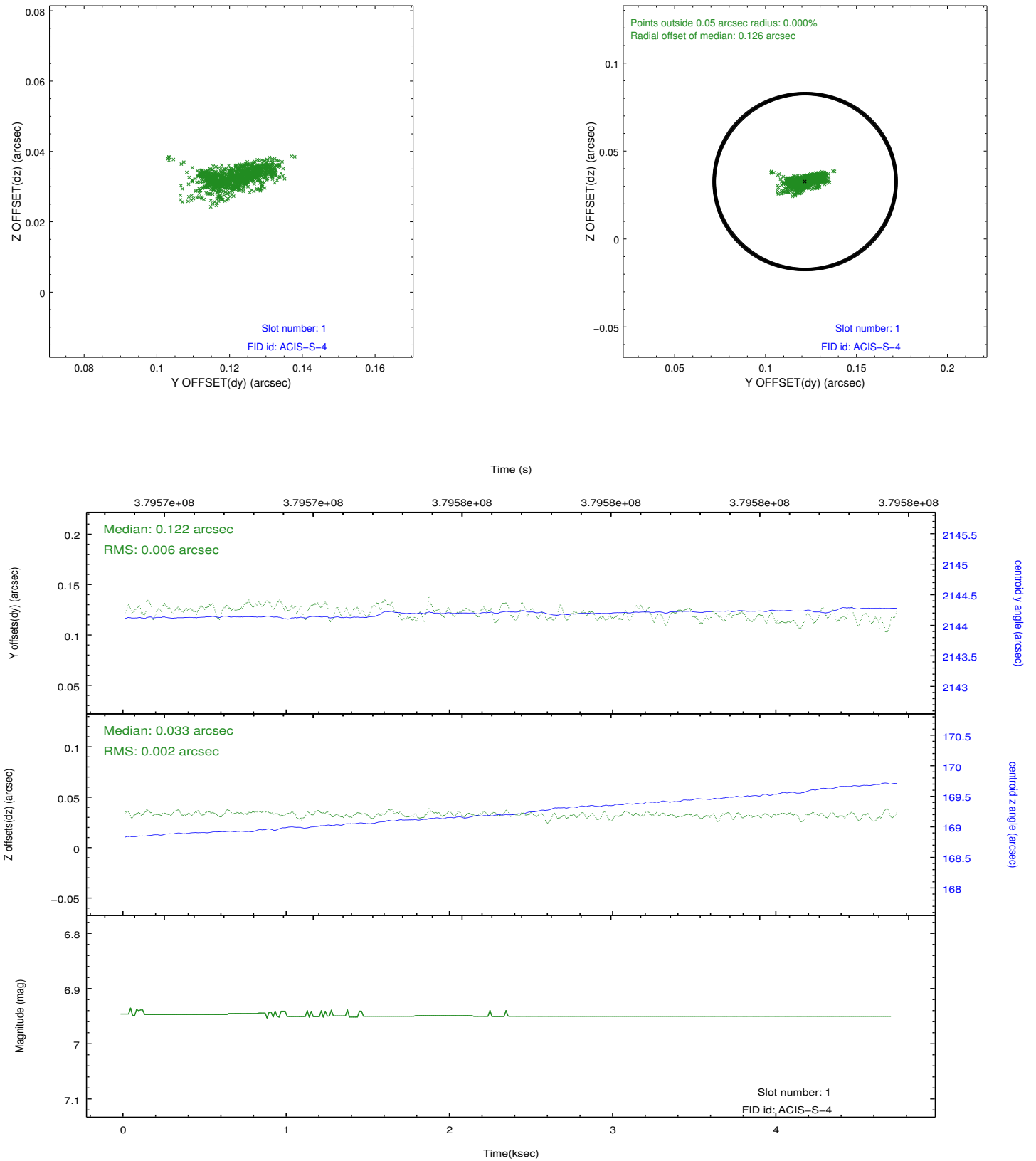


2.5 FID Slots

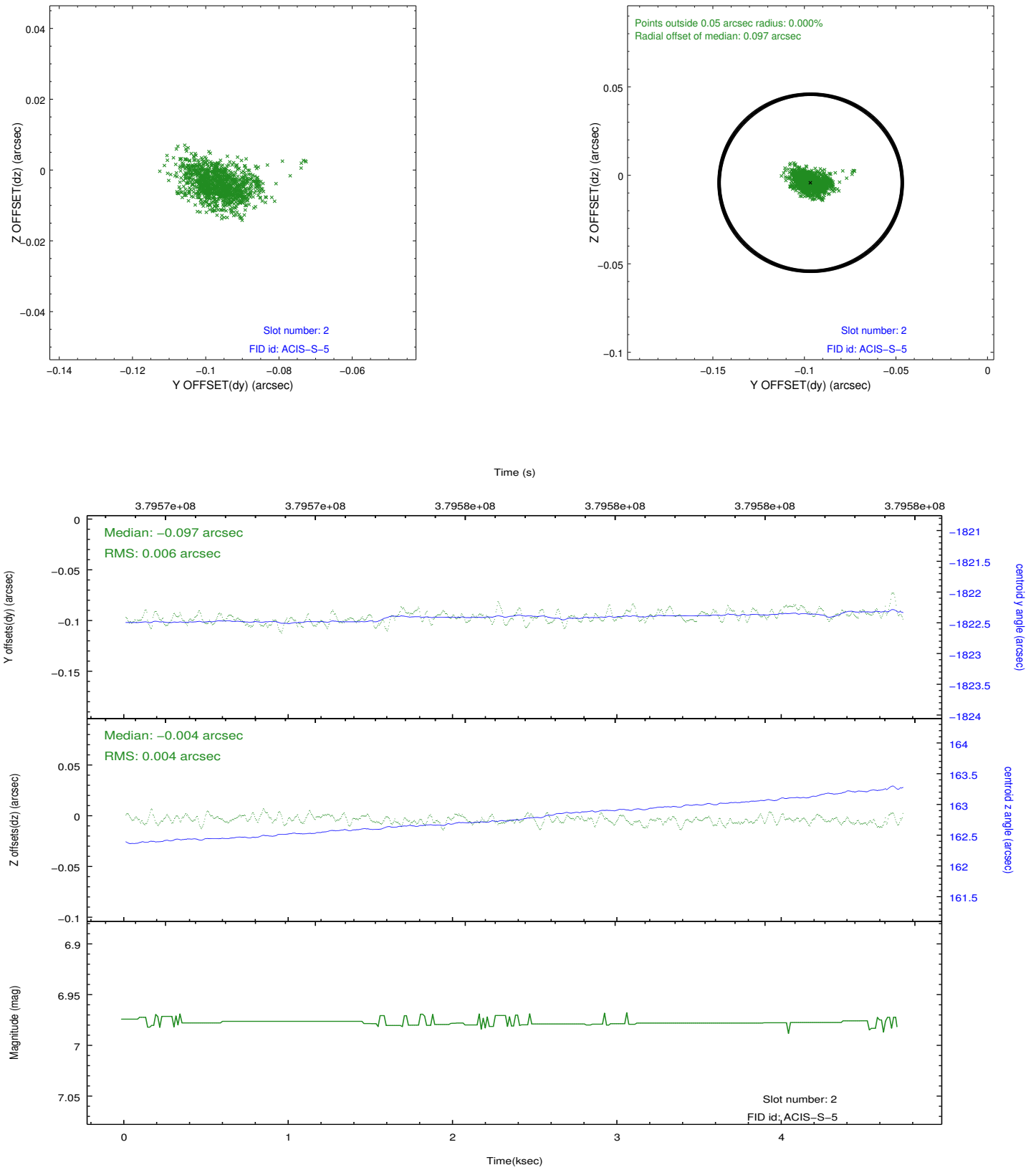
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7263999824524

A.2 Comments