

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18061 - L2 Version 1
Chandra X-Ray Center

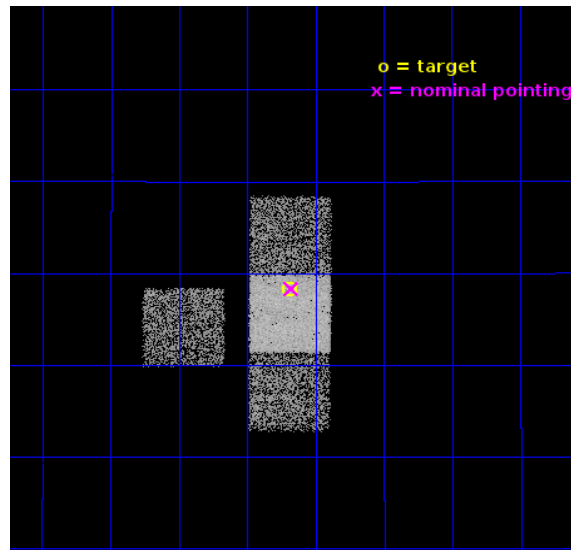
L2 Processing Date : Feb 13 2016

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1 Front

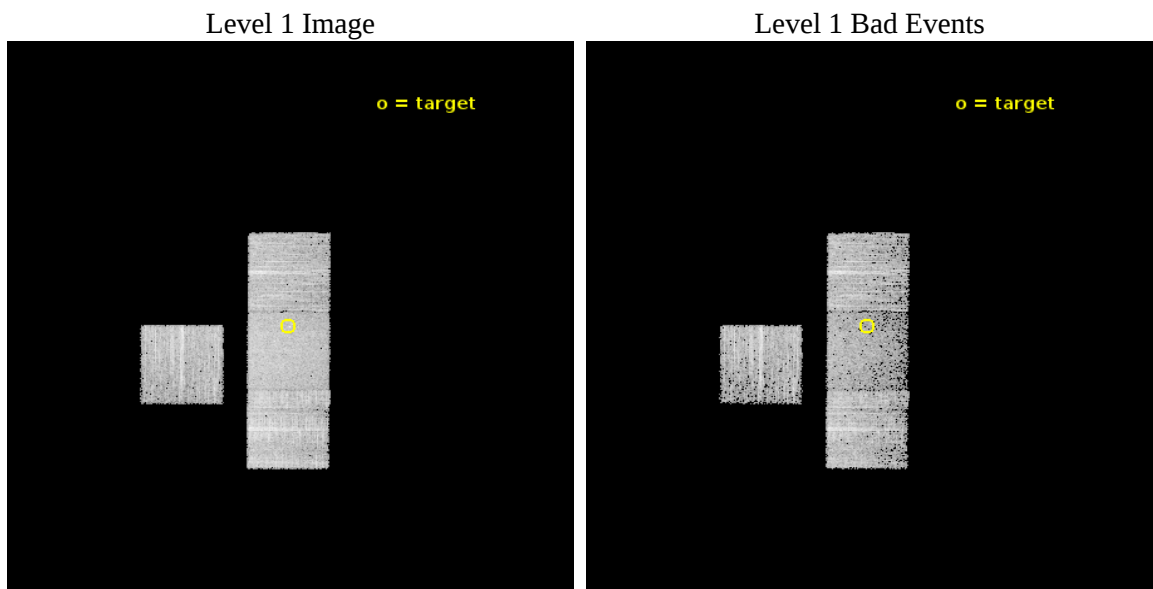
seq_num	601243	Sequence number
obs_id	18061	Observation id
title	Multiwavelength Characterization of Candidate Black Holes in Nearby Dwarf Galaxies	Proposal title
observer	Dr. RICHARD PLOTKIN	Principal investigator
object	SDSS J1221+1738	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.2969	Observer's specified target RA [deg]
dec_targ	17.6387	Observer's specified target Dec [deg]
ra_nom	185.29437860103	Nominal RA [deg]
dec_nom	17.638931736019	Nominal Dec [deg]
roll_nom	90.364105267801	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7066.6387257576	Sum of GTIs [s]
livetime	6974.3078884218	Livetime [s]
ontime3	7063.4155656099	Sum of GTIs [s]
ontime6	7066.5976858139	Sum of GTIs [s]
ontime7	7066.6387257576	Sum of GTIs [s]
ontime8	7066.5156058073	Sum of GTIs [s]
l2events	31705	Number of level 2 events



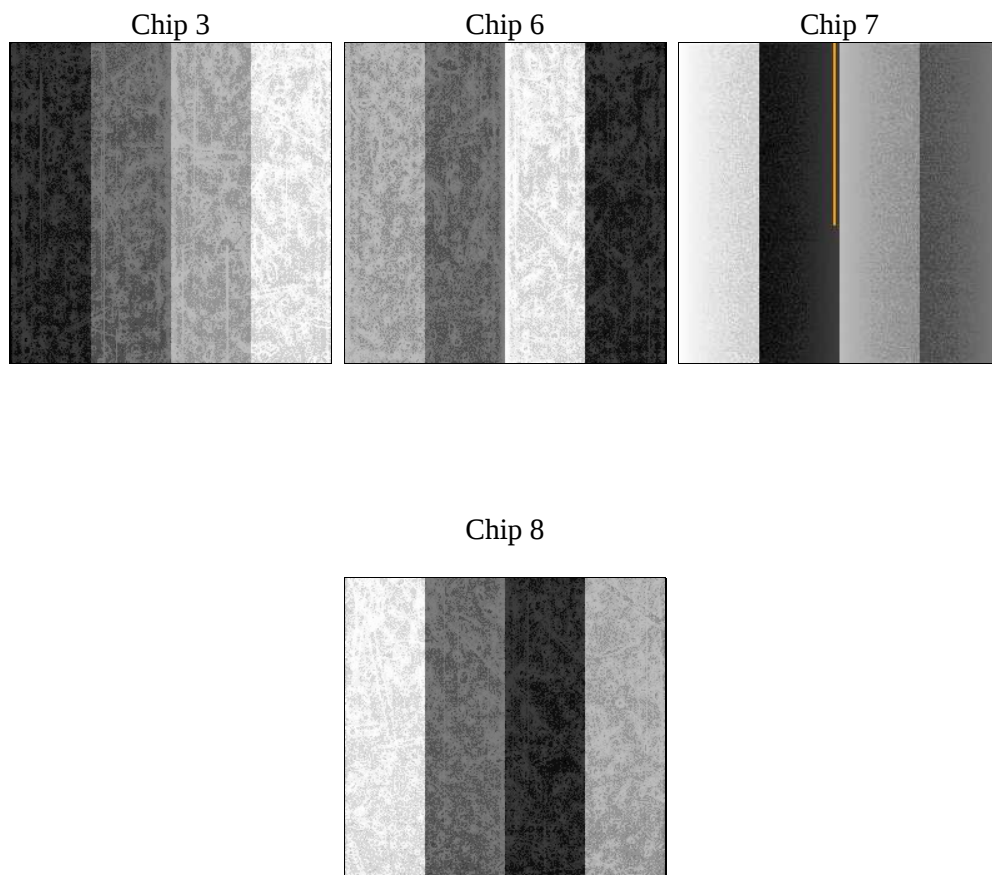
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	7066.6387257576	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	7063.4155656099	Sum of GTIs [s]
date	2016-02-13T18:00:54	Date and time of file creation	ontime6	7066.5976858139	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	7066.6387257576	Sum of GTIs [s]
			ontime8	7066.5156058073	Sum of GTIs [s]
			l1events	178062	Number of level 1 events

2.1.4 Events

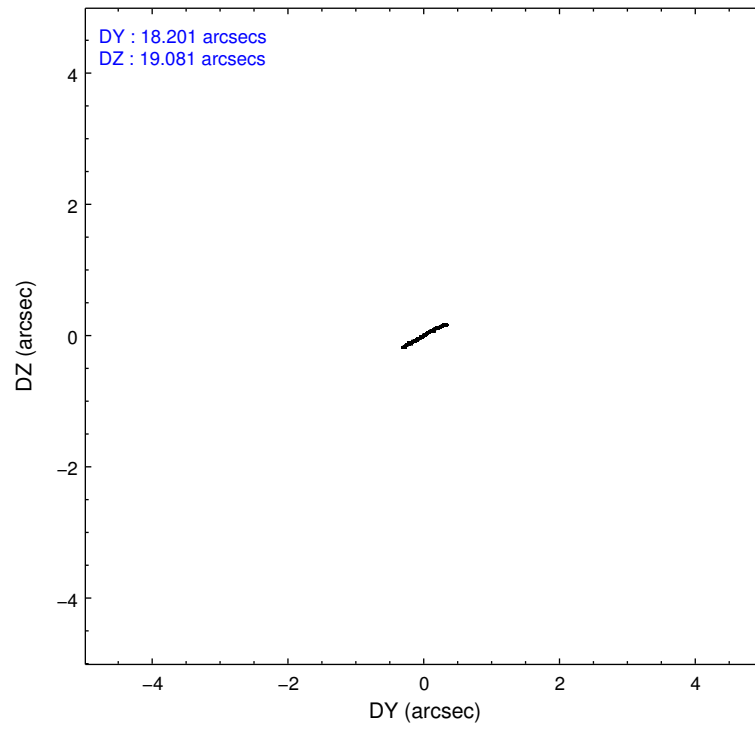
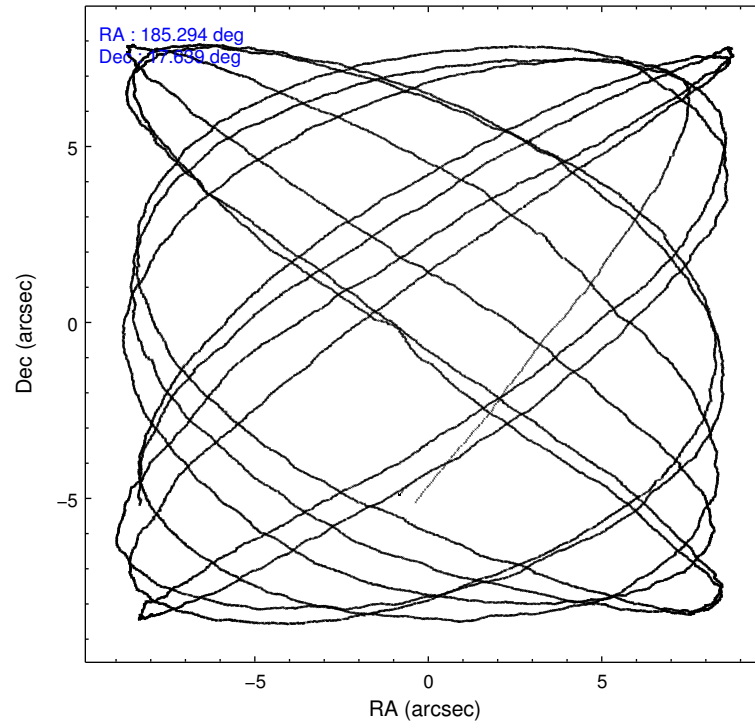
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	39465	41269	45068	52260
rejected events	35349	36792	24571	38710
rejected %	89%	89%	54%	74%

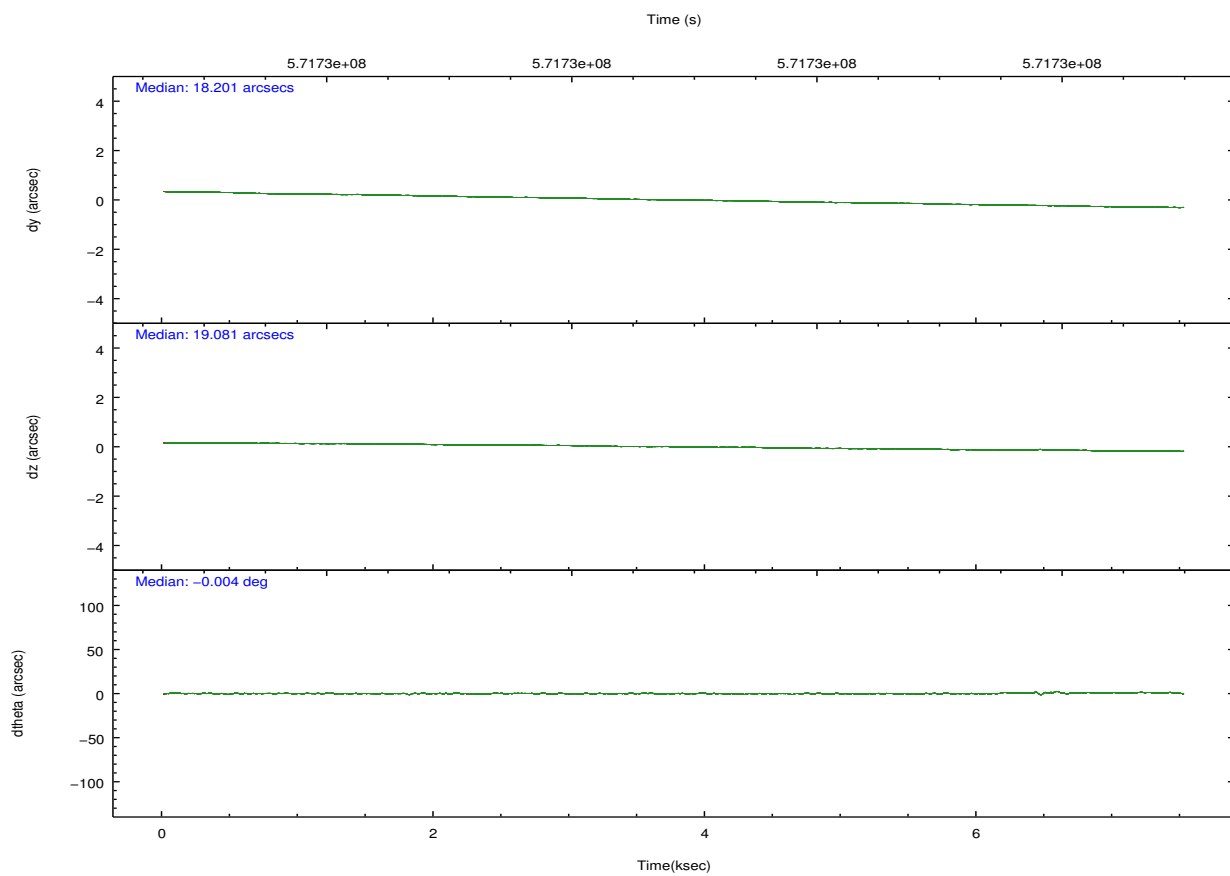
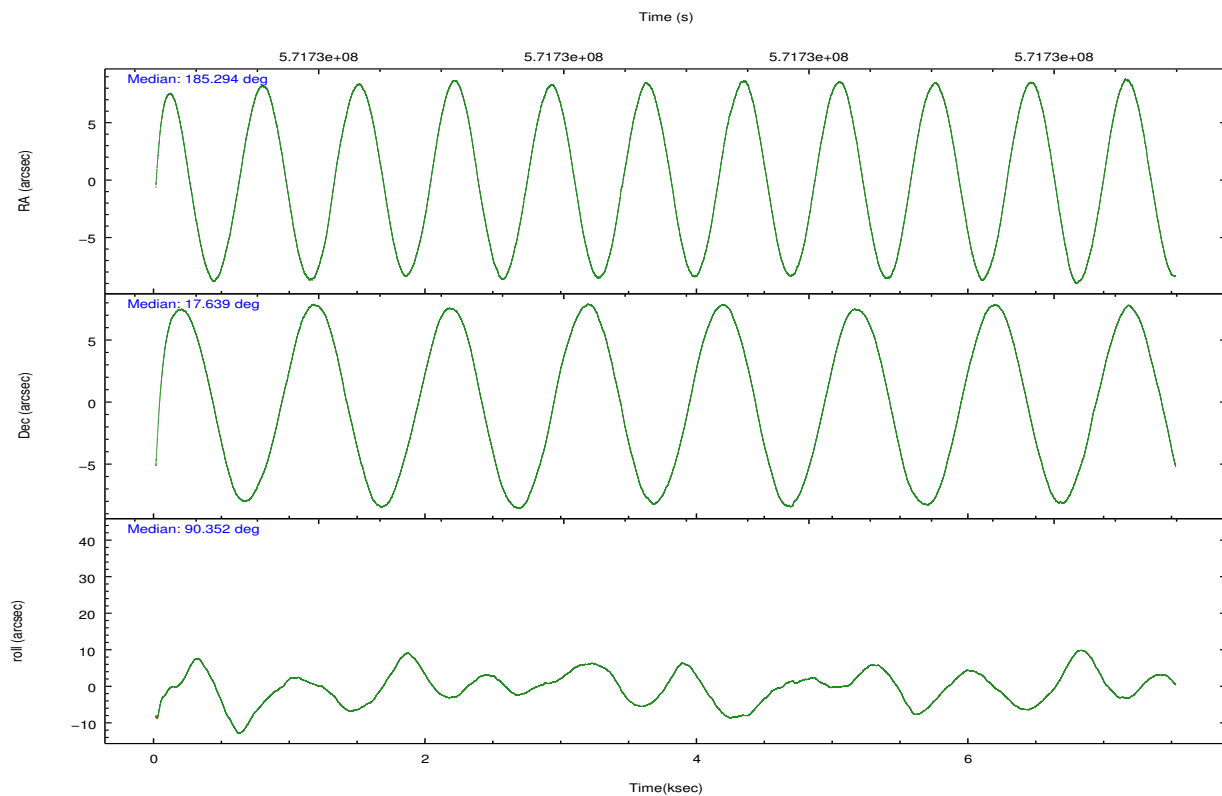
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1494	1482	1810	3827
	3%	3%	4%	7%
grade 1 events	19	17	69	42
	0%	0%	0%	0%
grade 2 events	894	1145	4550	3324
	2%	2%	10%	6%
grade 3 events	458	404	1619	1362
	1%	0%	3%	2%
grade 4 events	450	392	1497	1278
	1%	0%	3%	2%
grade 5 events	1627	1547	4463	2521
	4%	3%	9%	4%
grade 6 events	822	1056	11028	3765
	2%	2%	24%	7%
grade 7 events	33701	35226	20032	36141
	85%	85%	44%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	185.309276	185.2943786010279	CCD I2 on	N	N
[deg] Pointing Dec	17.615359	17.63893173601889	CCD I3 on	O1	Y
[deg] Pointing Roll	90.202972	90.36410526780099	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	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	O2	Y
[s] Observation start time (MET)	571725588.184000	571724542.35174	CCD S5 on	N	N
Observation start date	2016-02-13T04:38:40	2016-02-13T04:22:22	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	571732588.184000	571733130.82723	On-chip summing requested	N	N
Observation end date	2016-02-13T06:35:20	2016-02-13T06:45:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



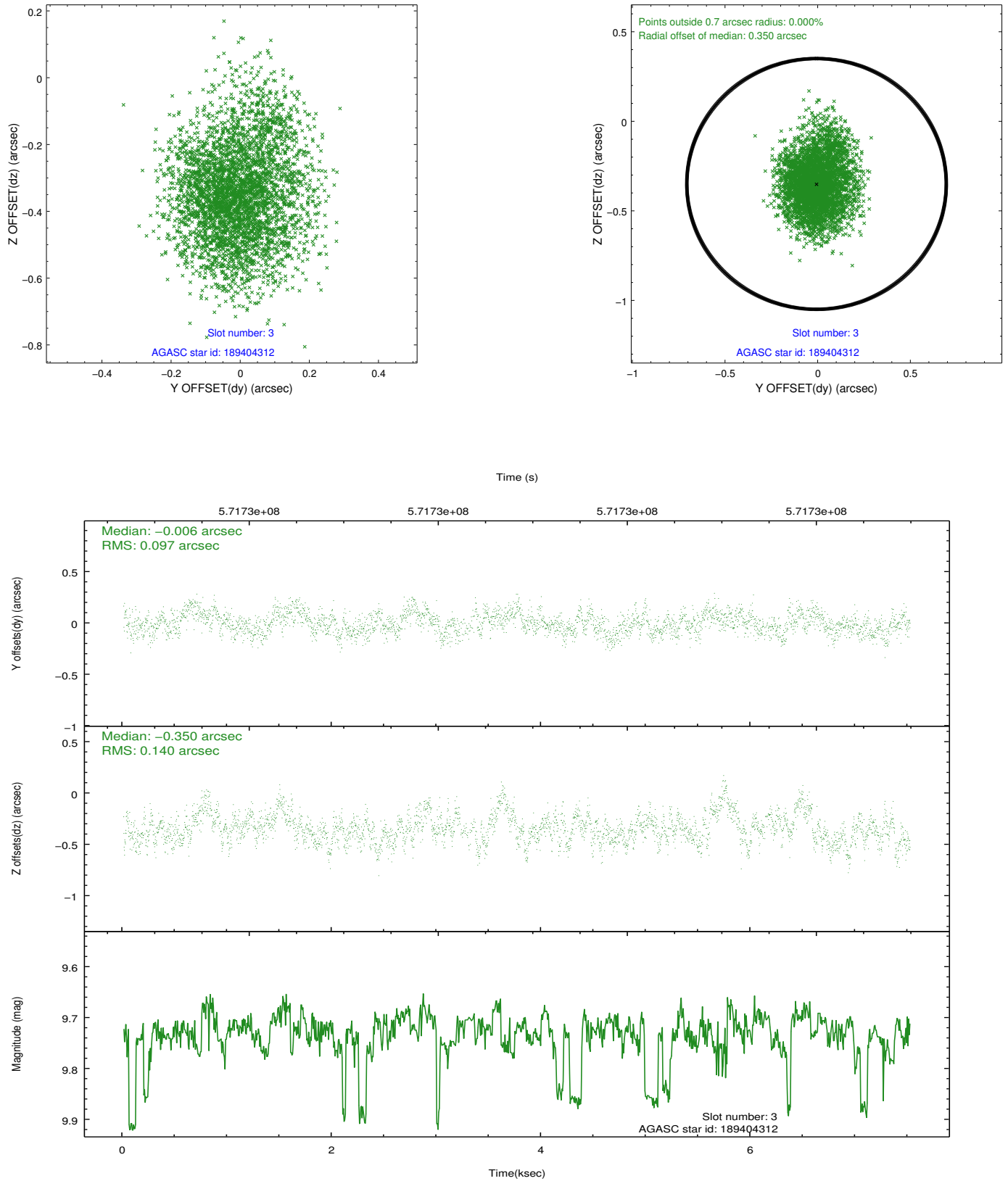


Slot Statistics

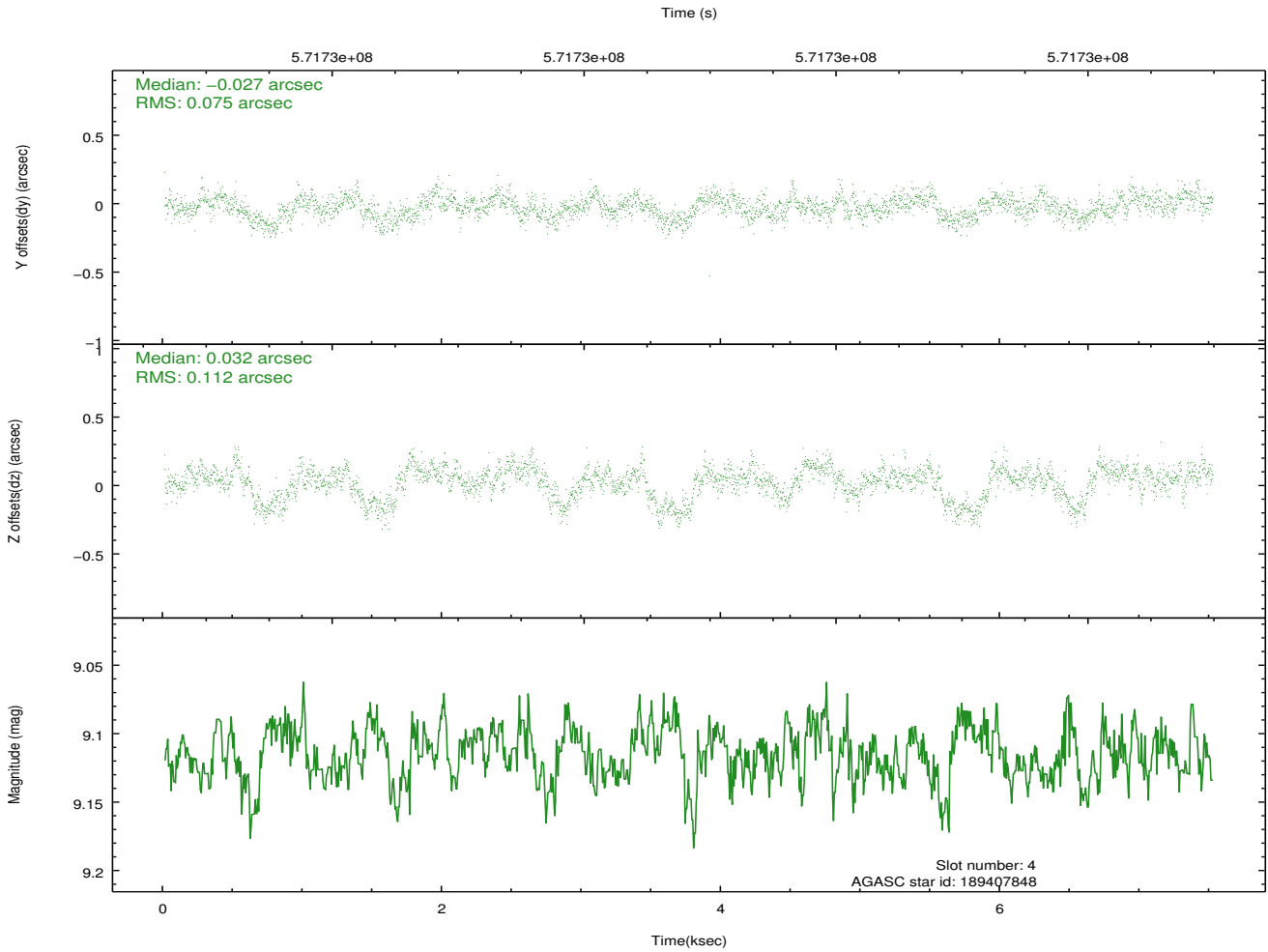
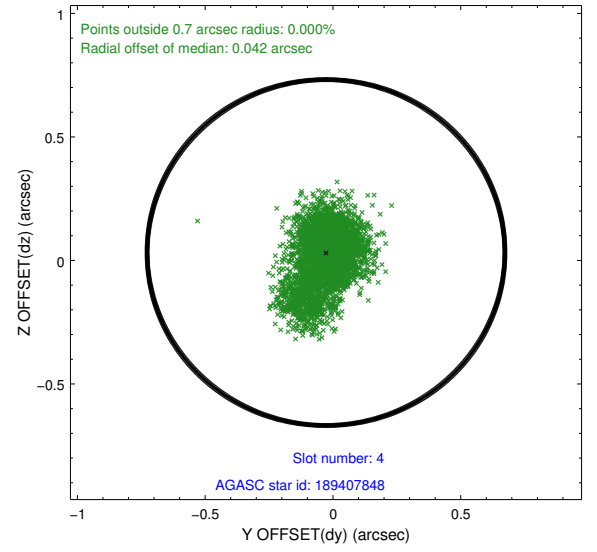
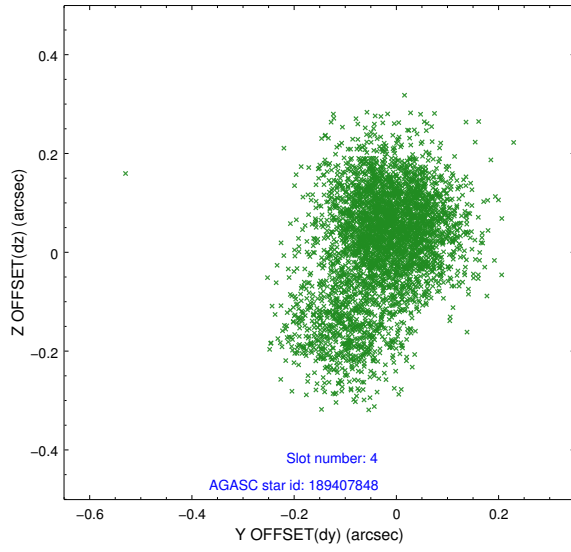
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	1833	-0.195	-0.145	0.010	0.022	0.000000	0.000000	-771.44	-1740.72
1	FID		ACIS-S-4	7.24	1833	0.477	0.132	0.008	0.016	0.000000	0.000000	2142.14	167.27
2	FID		ACIS-S-5	7.26	1833	-0.314	0.020	0.009	0.020	0.000000	0.000000	-1823.45	161.67
3	GUIDE	used	189404312	9.73	3606	-0.006	-0.350	0.182	0.295	185.610454	17.665681	178.77	-1033.68
4	GUIDE	used	189407848	9.12	3663	-0.027	0.032	0.137	0.253	185.643887	17.789494	624.24	-1149.09
5	GUIDE	used	189409672	9.12	3663	0.203	0.247	0.154	0.239	185.549167	17.344732	-976.06	-820.98
6	GUIDE	used	189411304	7.65	3663	-0.036	-0.242	0.096	0.161	185.011882	17.285384	-1184.02	1026.38
7	GUIDE	used	189413344	9.48	3660	-0.134	0.337	0.172	0.284	185.997028	17.757644	508.71	-2357.75

2.4 Star Slots

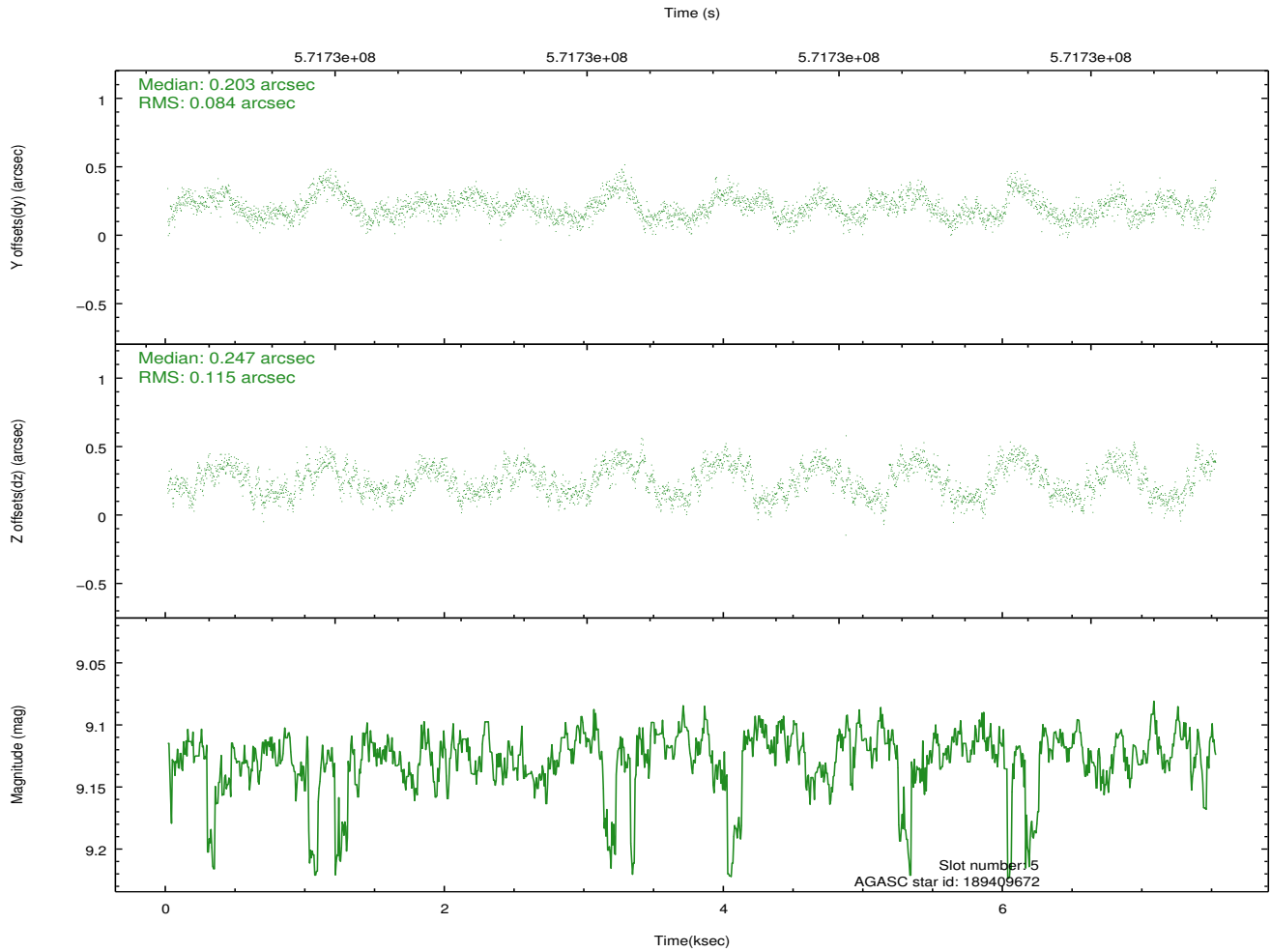
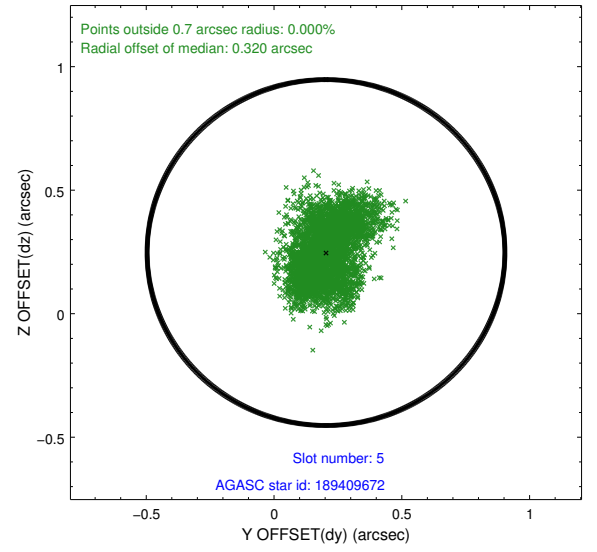
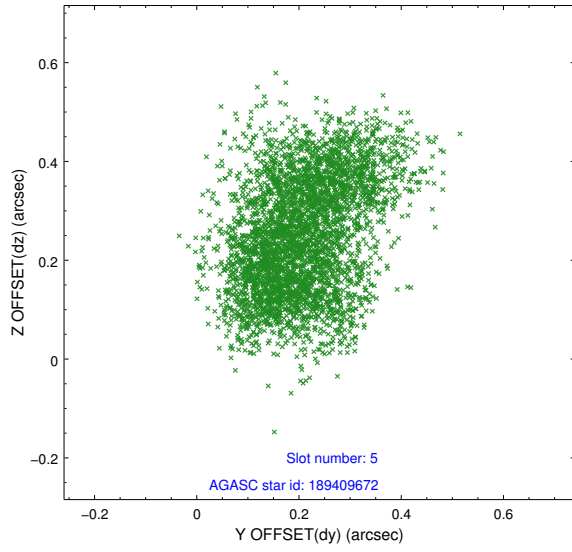
2.4.1 Slot 3



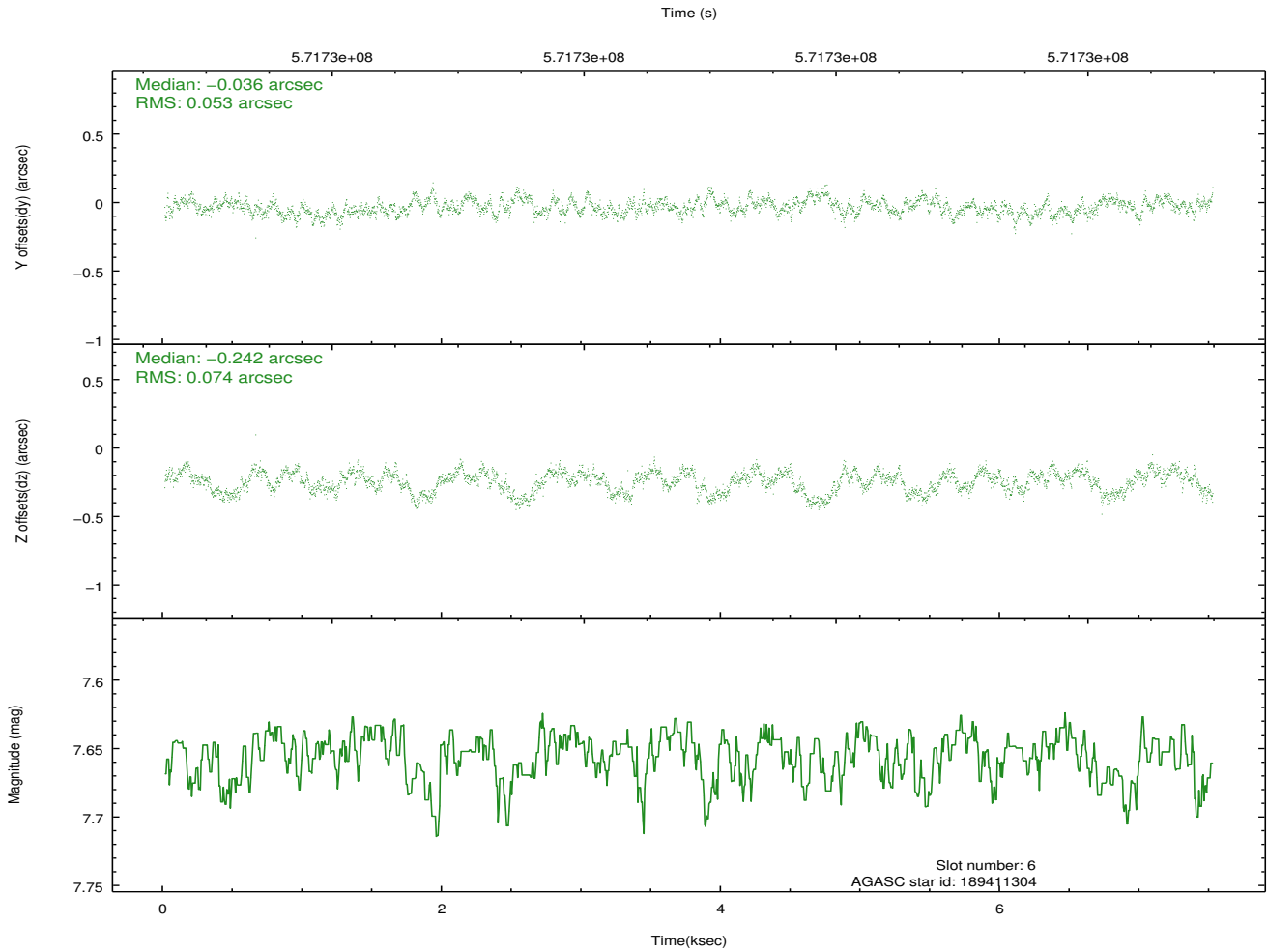
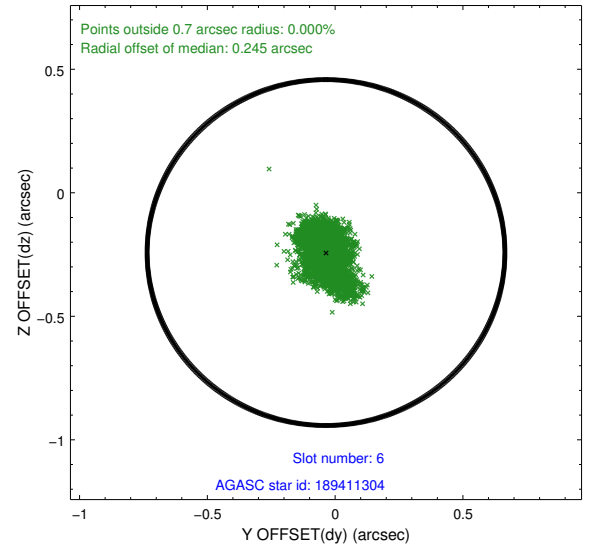
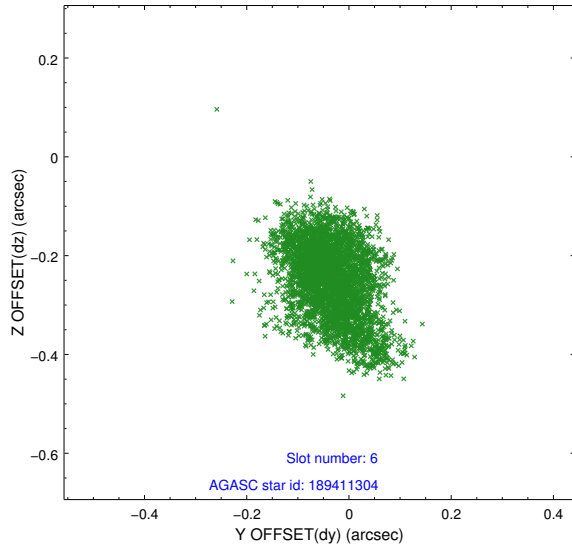
2.4.2 Slot 4



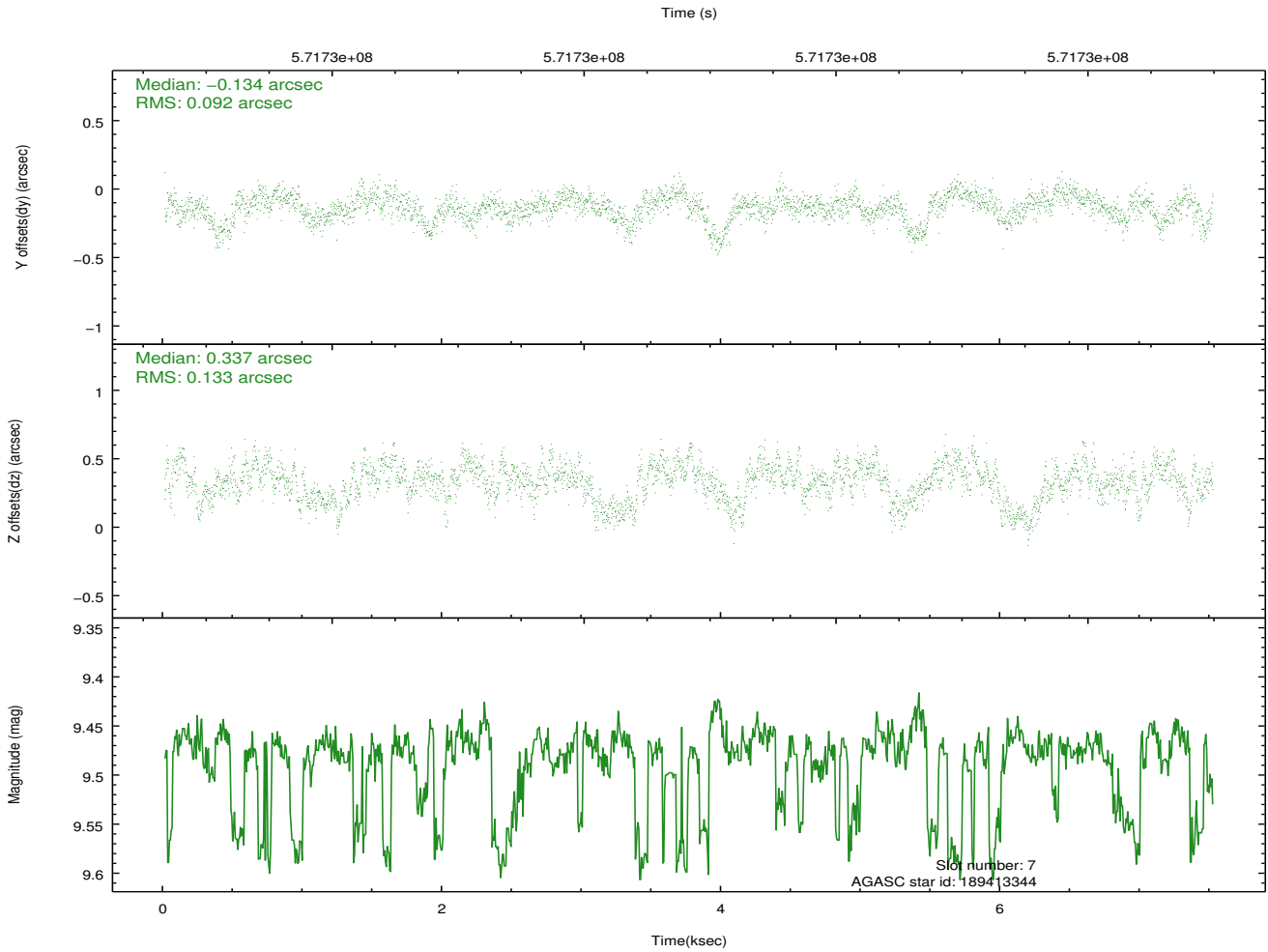
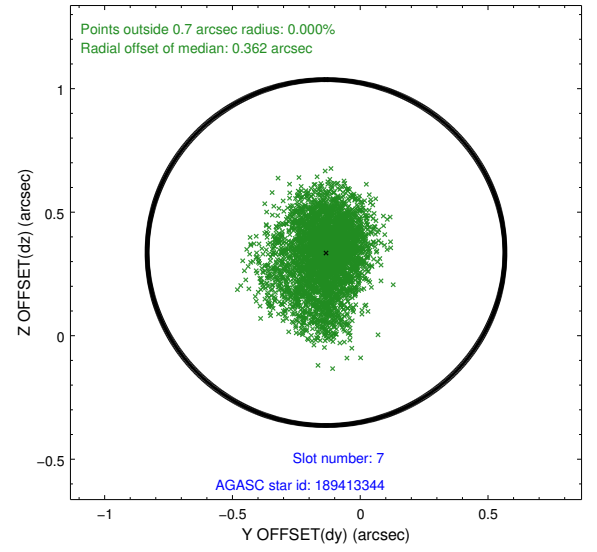
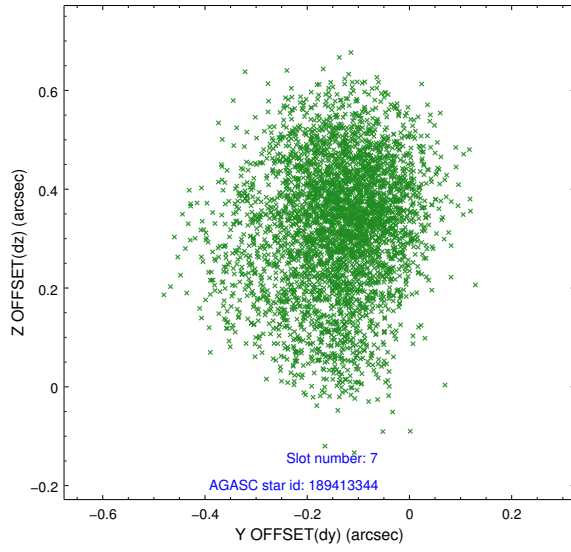
2.4.3 Slot 5



2.4.4 Slot 6

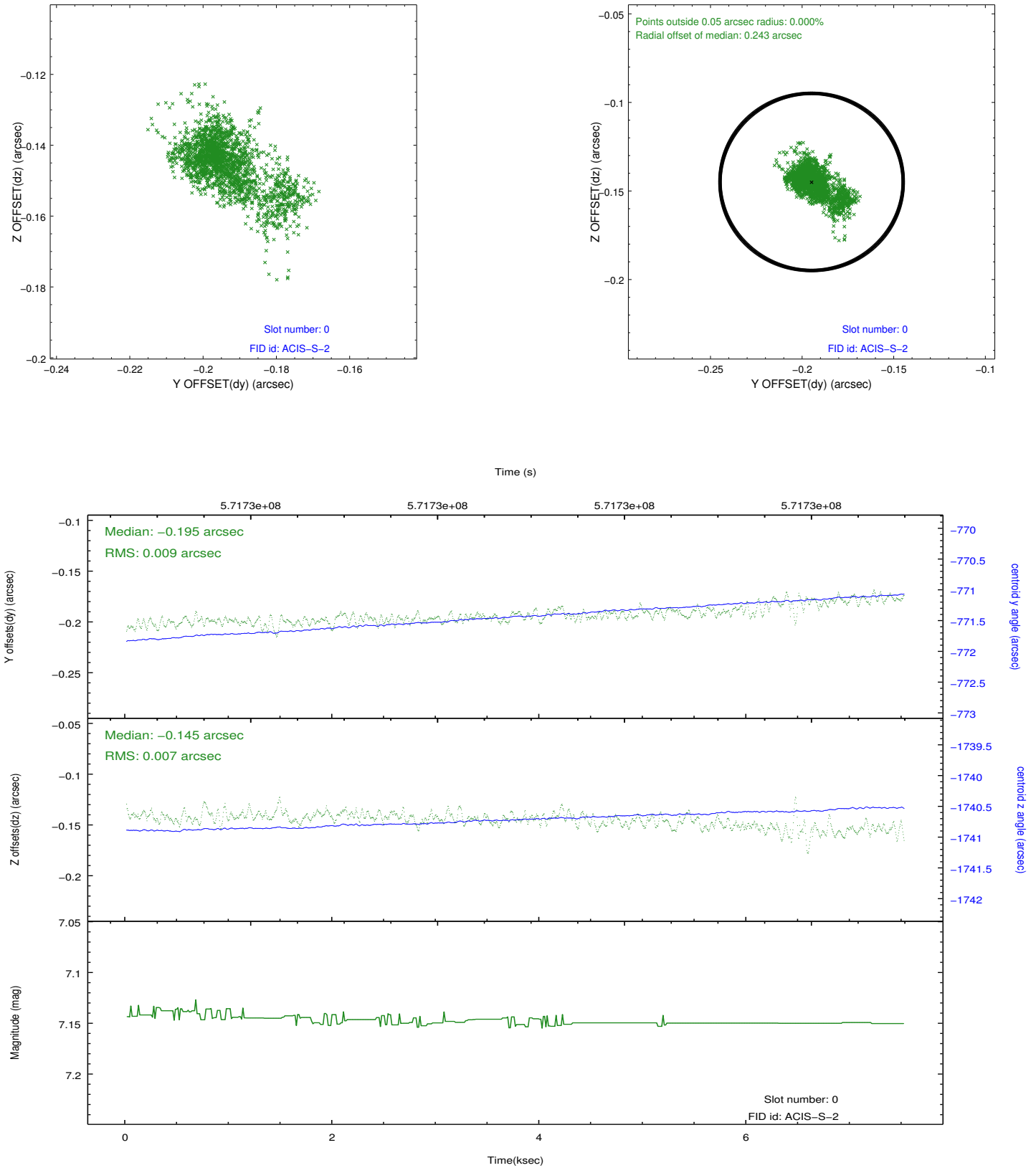


2.4.5 Slot 7

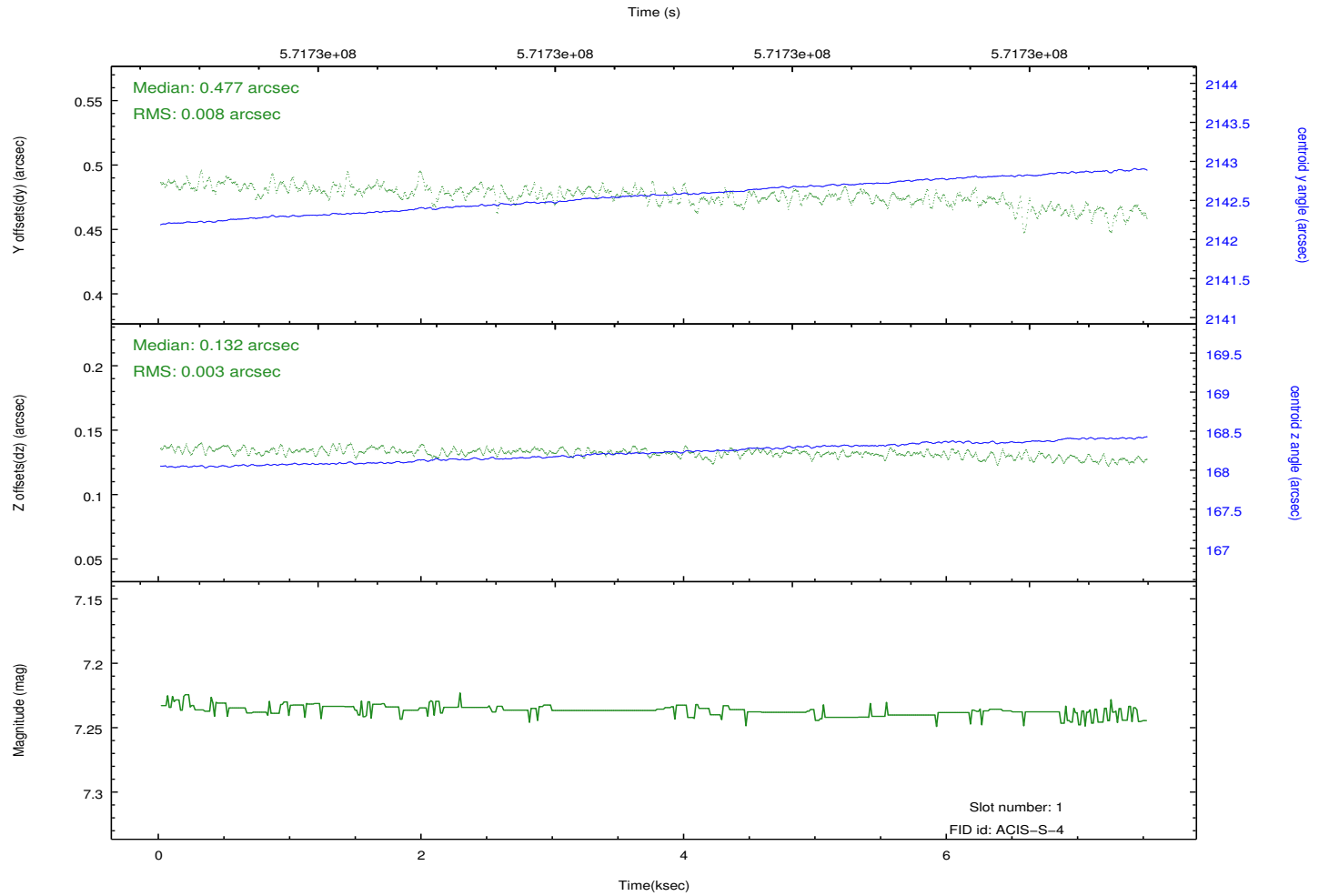
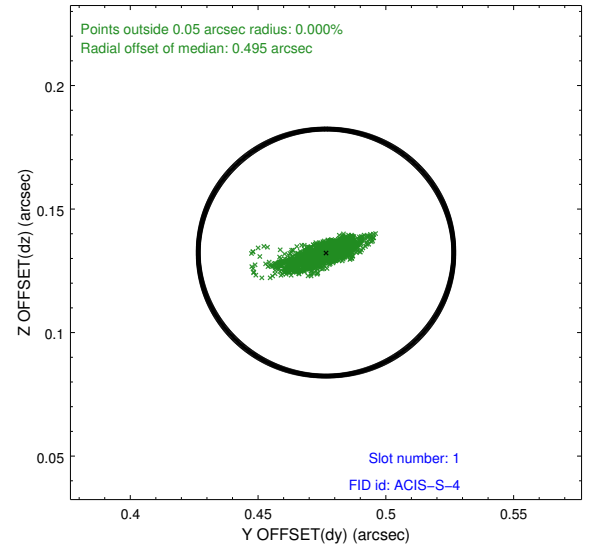
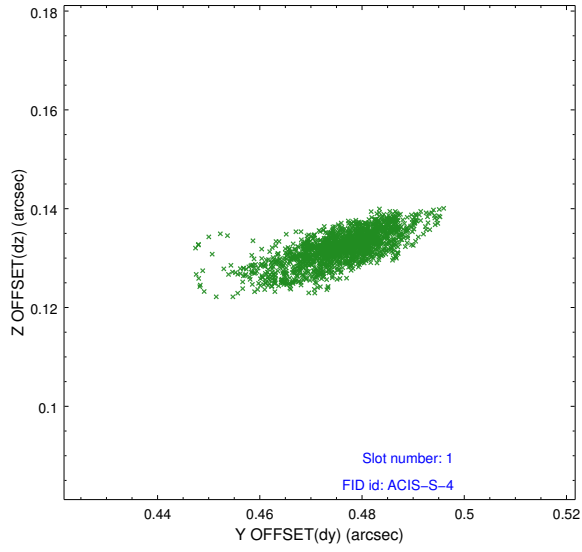


2.5 FID Slots

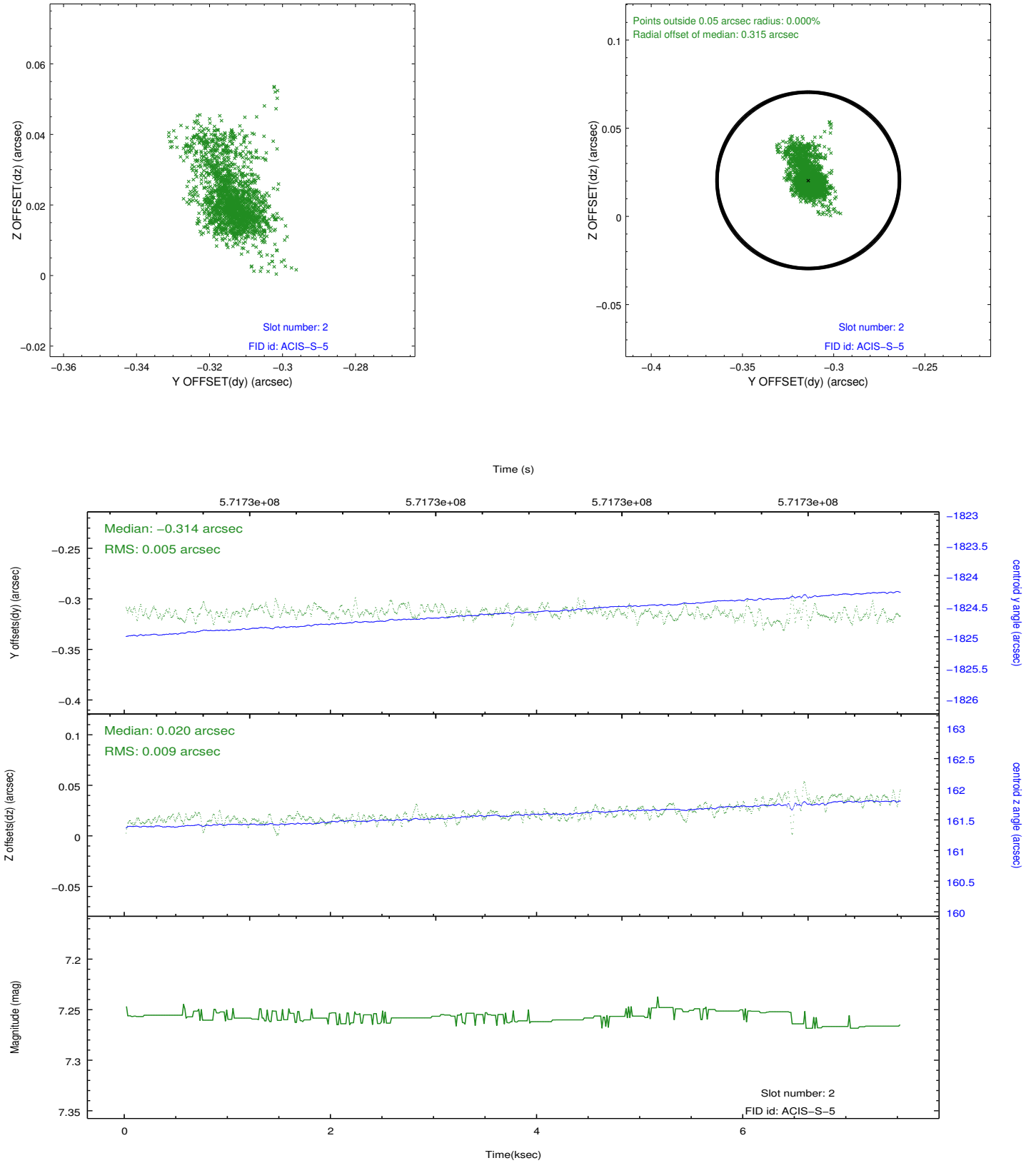
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0666387257576

A.2 Comments

Joint proposal with HST and NRAO.