

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10306 - L2 Version 2
Chandra X-Ray Center

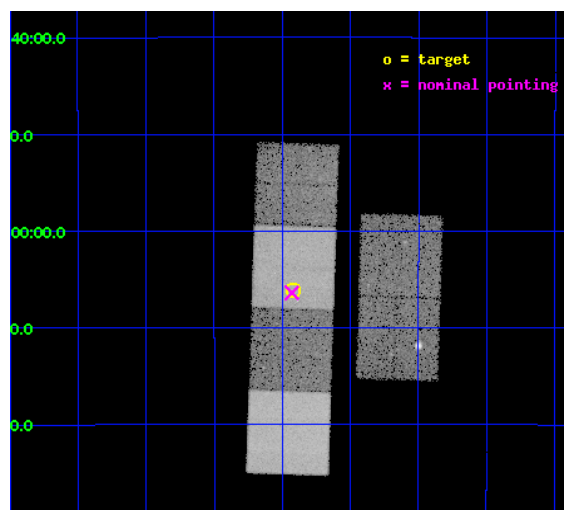
L2 Processing Date : May 31 2012

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1 Front

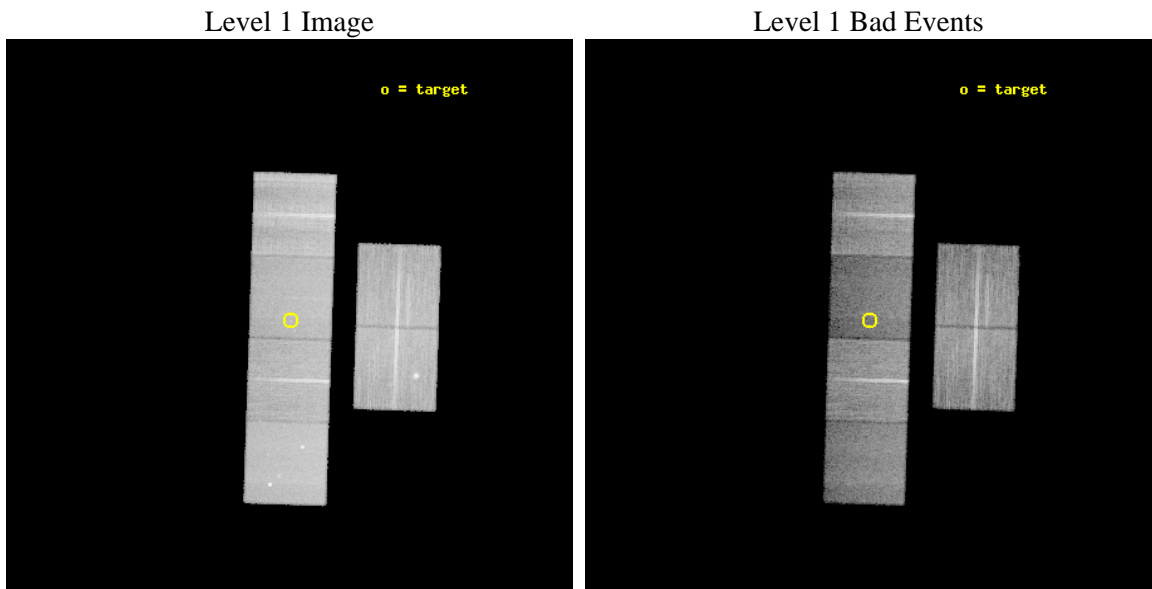
seq_num	701849	Sequence number
obs_id	10306	Observation id
title	Identifying High-Redshift X-ray Jets from Radio-Loud Quasars with Chandra	Proposal title
observer	Prof. William Brandt	Principal investigator
object	PMN J0235-1805	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	38.729583	Observer's specified target RA [deg]
dec_targ	-18.102361	Observer's specified target Dec [deg]
ra_nom	38.732421623735	Nominal RA [deg]
dec_nom	-18.106404577997	Nominal Dec [deg]
roll_nom	271.83929169005	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20134.399925053	Sum of GTIs [s]
livetime	19879.446029722	Livetime [s]
ontime2	20134.399925053	Sum of GTIs [s]
ontime3	20134.399925053	Sum of GTIs [s]
ontime5	20134.399925053	Sum of GTIs [s]
ontime6	20131.158974648	Sum of GTIs [s]
ontime7	20134.399925053	Sum of GTIs [s]
ontime8	20131.159074247	Sum of GTIs [s]
l2events	232506	Number of level 2 events



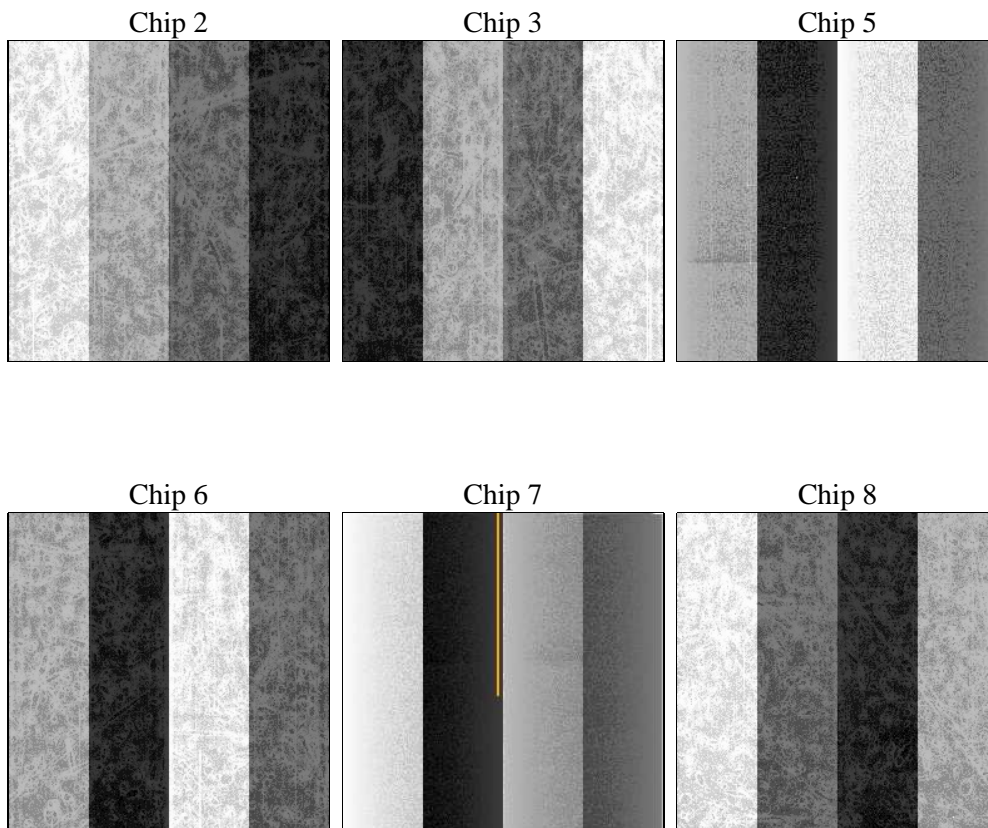
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20134.399925053	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	20134.399925053	Sum of GTIs [s]
date	2012-05-31T14:59:15	Date and time of file creation	ontime3	20134.399925053	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	20134.399925053	Sum of GTIs [s]
			ontime6	20131.158974648	Sum of GTIs [s]
			ontime7	20134.399925053	Sum of GTIs [s]
			ontime8	20131.159074247	Sum of GTIs [s]
			l1events	1110513	Number of level 1 events

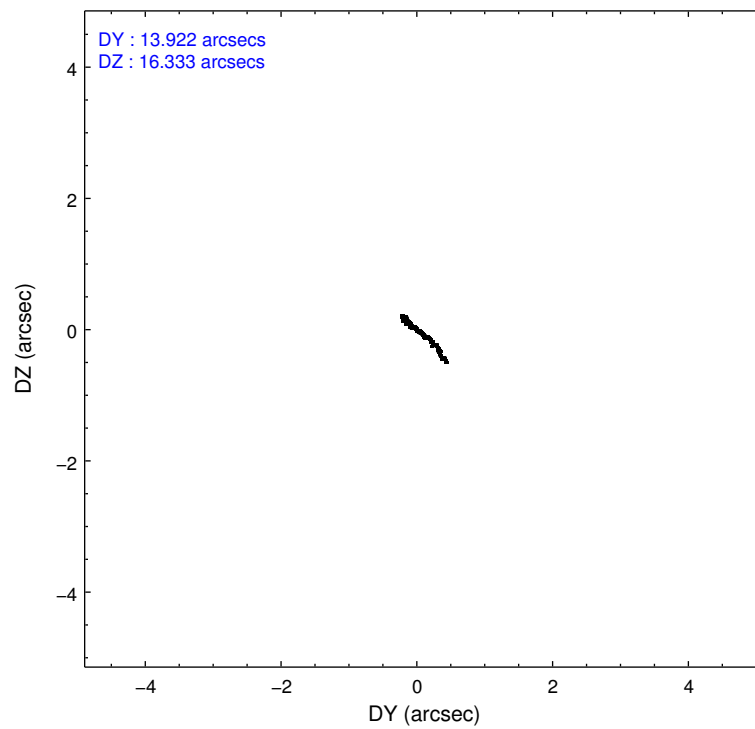
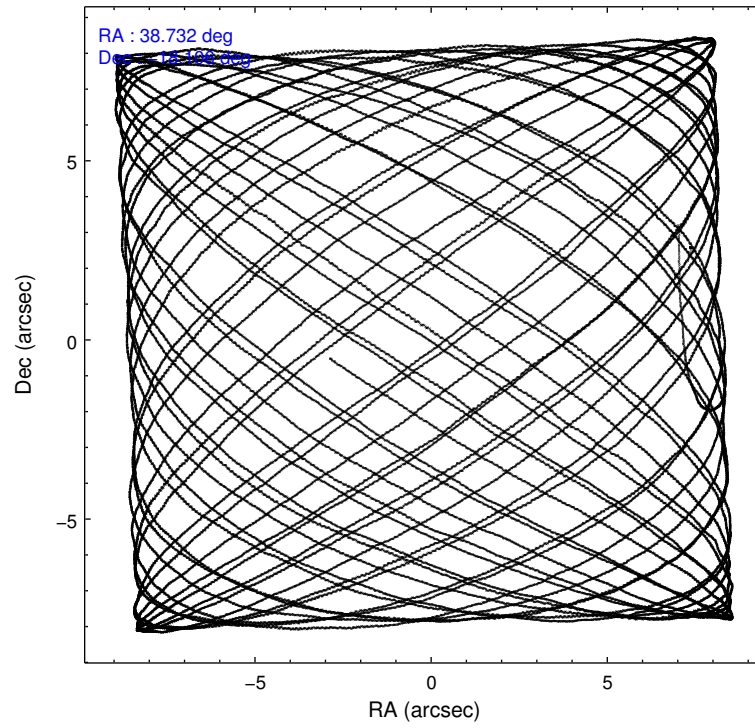
2.1.4 Events

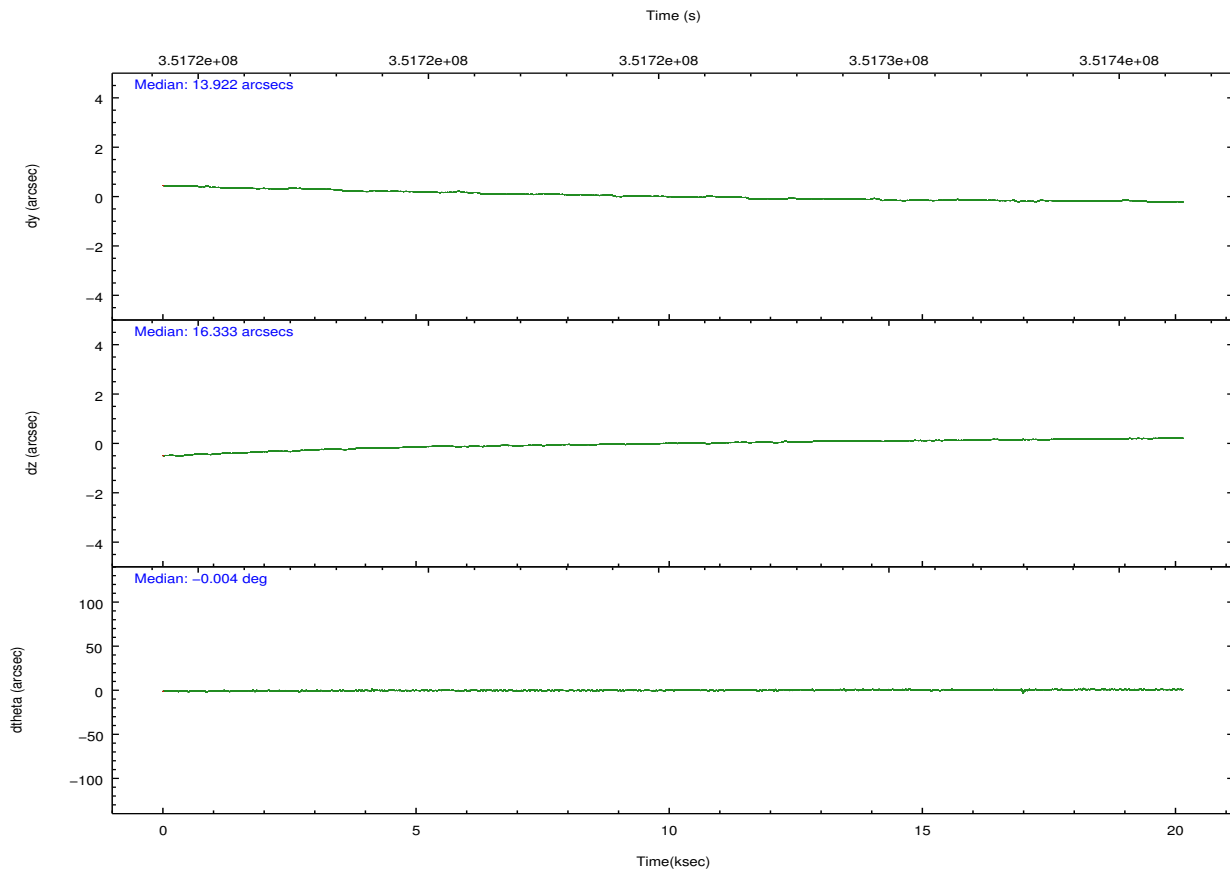
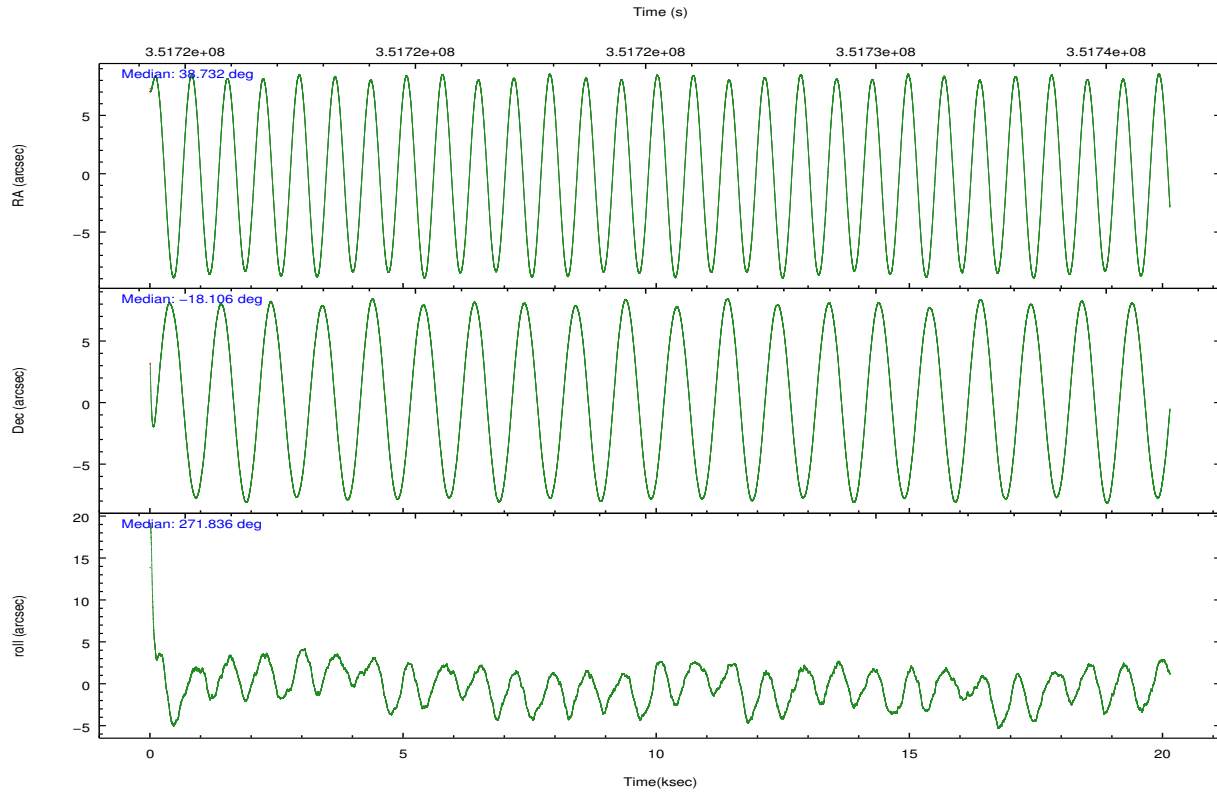
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	183631	166161	214692	170144	165961	209924	grade 0 events	8308	5709	11293	6416	8710	14853
rejected events	165558	151645	109007	153696	88871	158792		4%	3%	5%	3%	5%	7%
rejected %	90%	91%	50%	90%	53%	75%	grade 1 events	139	103	577	94	262	178
								0%	0%	0%	0%	0%	0%
							grade 2 events	4276	3478	34517	3974	17613	12884
								2%	2%	16%	2%	10%	6%
							grade 3 events	1778	1667	5122	1816	7590	5764
								0%	1%	2%	1%	4%	2%
							grade 4 events	1839	1789	4844	1852	7661	5539
								1%	1%	2%	1%	4%	2%
							grade 5 events	4987	5832	17652	5892	18086	9177
								2%	3%	8%	3%	10%	4%
							grade 6 events	2991	2968	57640	3581	40911	15015
								1%	1%	26%	2%	24%	7%
							grade 7 events	159313	144615	83047	146519	65128	146514
								86%	87%	38%	86%	39%	69%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	38.716890	38.73242162373482	CCD I2 on	O1	Y
[deg] Pointing Dec	-18.083374	-18.10640457799672	CCD I3 on	O2	Y
[deg] Pointing Roll	271.677833	271.839291690049	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)	351715379.184000	351713623.22348	CCD S5 on	N	N
Observation start date	2009-02-22T18:41:53	2009-02-22T18:13:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	351735379.184000	351736361.8246	On-chip summing requested	N	N
Observation end date	2009-02-23T00:15:13	2009-02-23T00:32:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



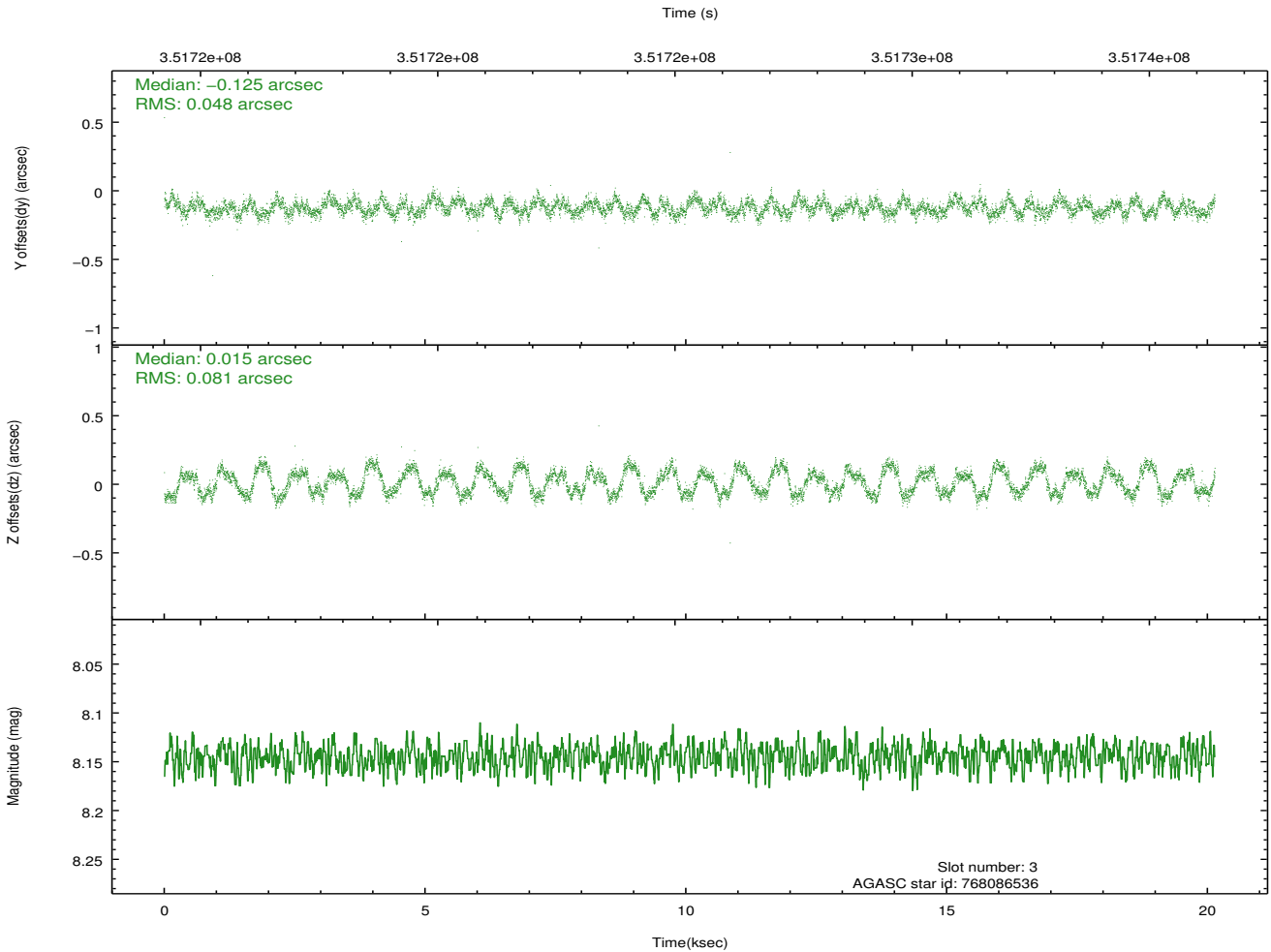
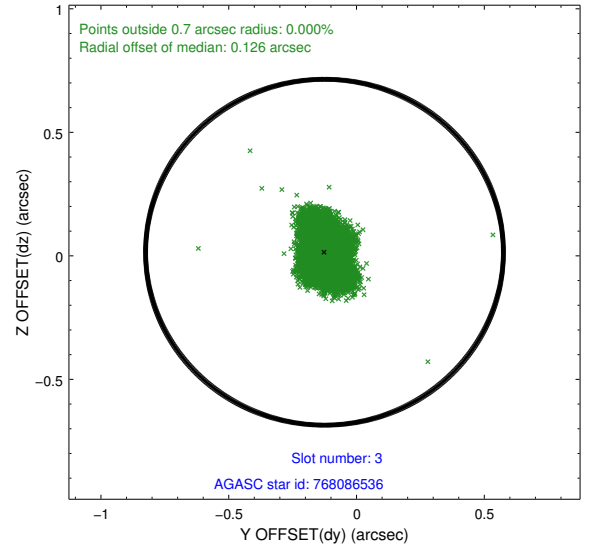
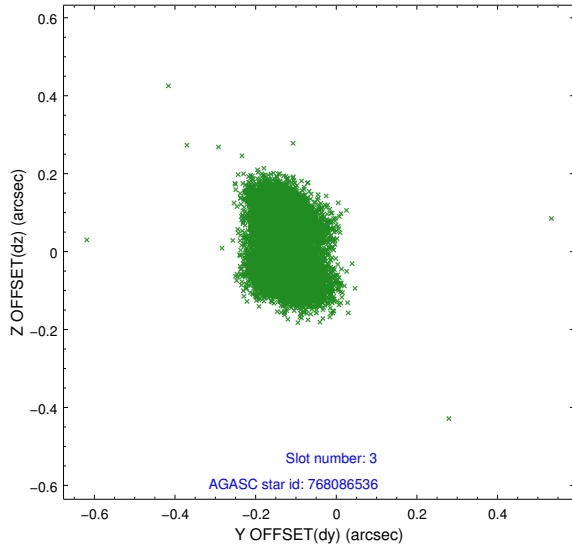


Slot Statistics

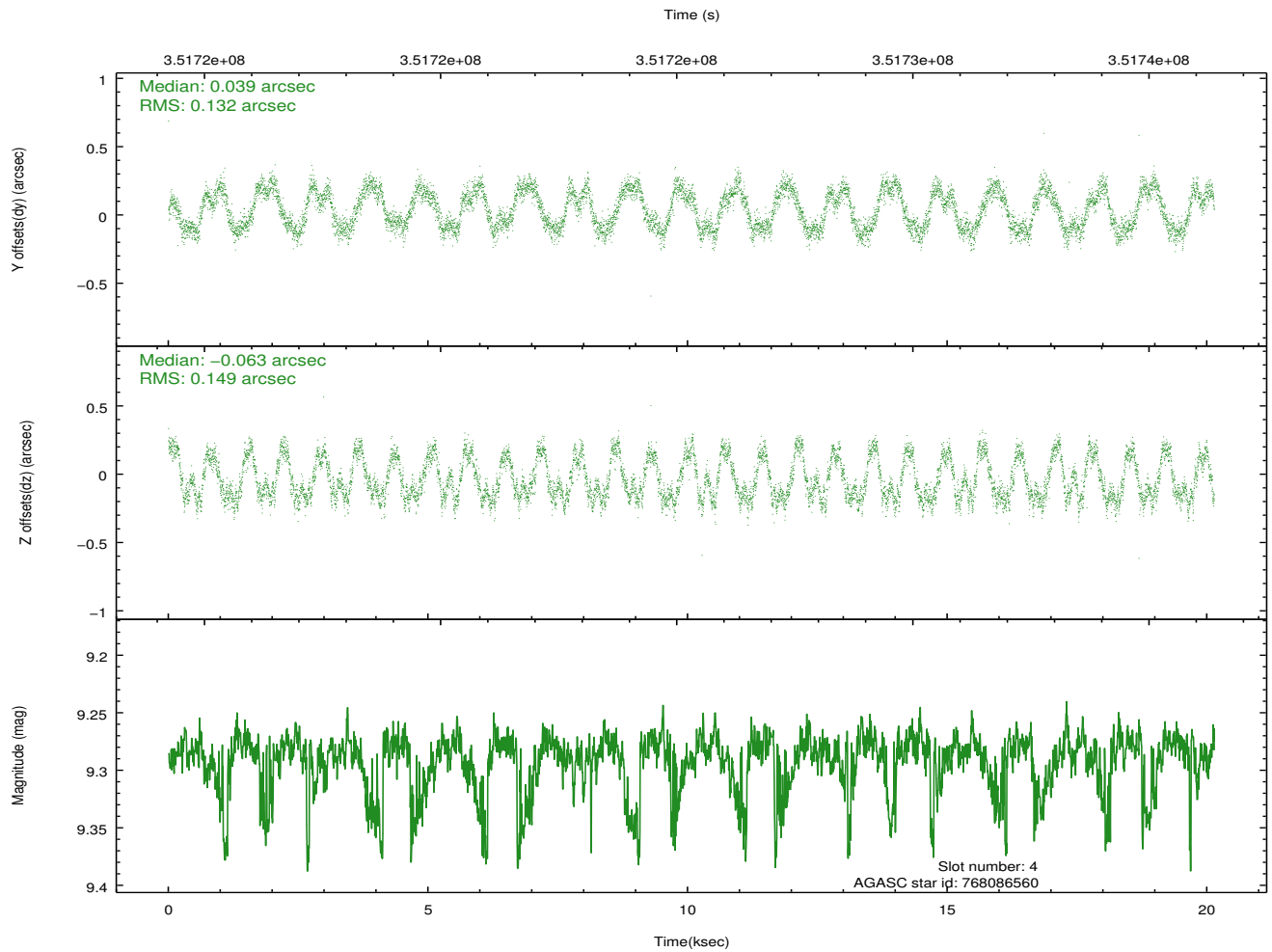
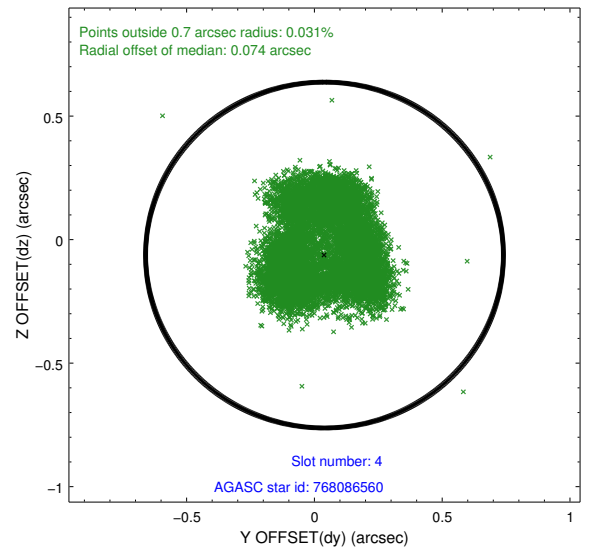
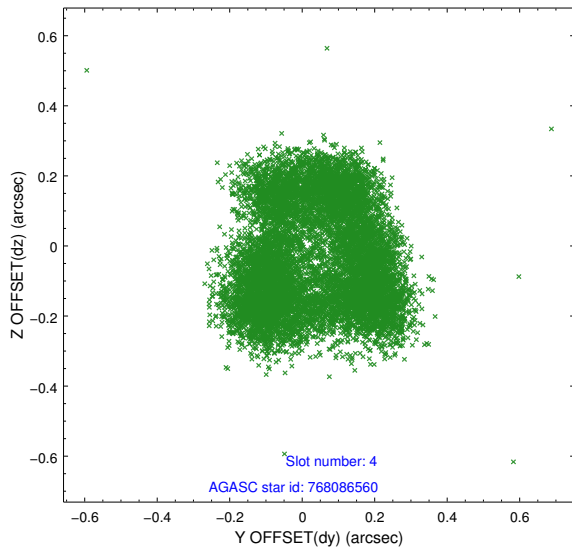
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	4913	-0.051	-0.012	0.015	0.023	0.000000	0.000000	-766.95	-1737.67
1	FID	ACIS-S-4	6.99	4913	0.173	0.028	0.013	0.021	0.000000	0.000000	2146.47	170.66
2	FID	ACIS-S-5	7.02	4913	-0.156	-0.006	0.009	0.028	0.000000	0.000000	-1819.66	164.50
3	GUIDE	768086536	8.14	9822	-0.125	0.015	0.103	0.149	38.361181	-18.342994	900.54	-1241.92
4	GUIDE	768086560	9.29	9810	0.039	-0.063	0.218	0.297	38.282935	-18.355121	937.00	-1510.58
5	GUIDE	768087800	9.35	9817	0.087	-0.010	0.108	0.168	38.060354	-18.469027	1327.25	-2281.35
6	GUIDE	768087904	10.21	9730	0.011	0.093	0.150	0.243	38.374801	-17.540903	-1984.48	-1116.65
7	GUIDE	768088928	7.74	9821	-0.011	-0.063	0.074	0.116	38.363271	-17.592112	-1801.64	-1161.30

2.4 Star Slots

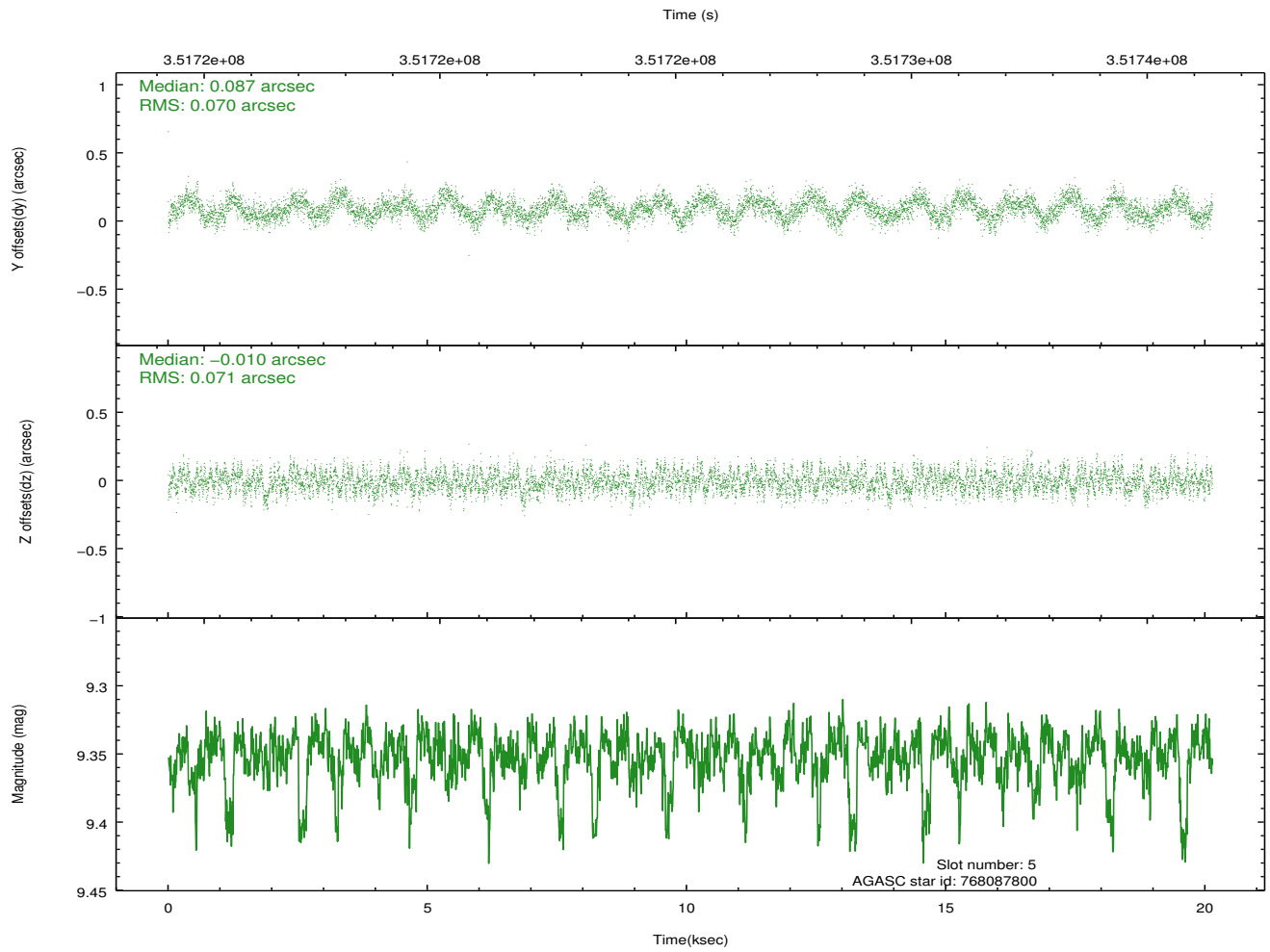
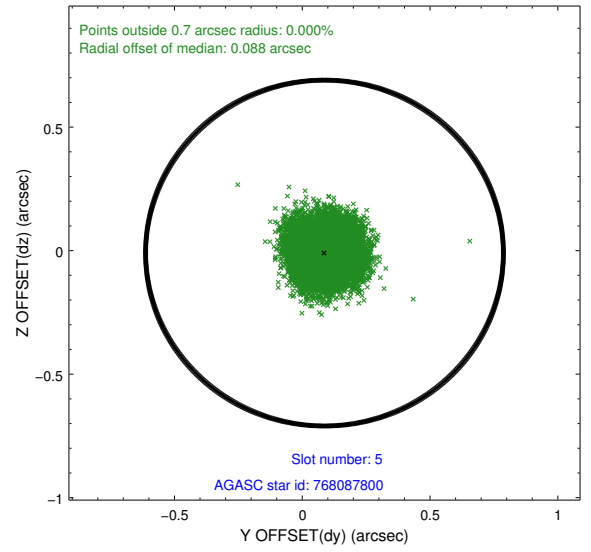
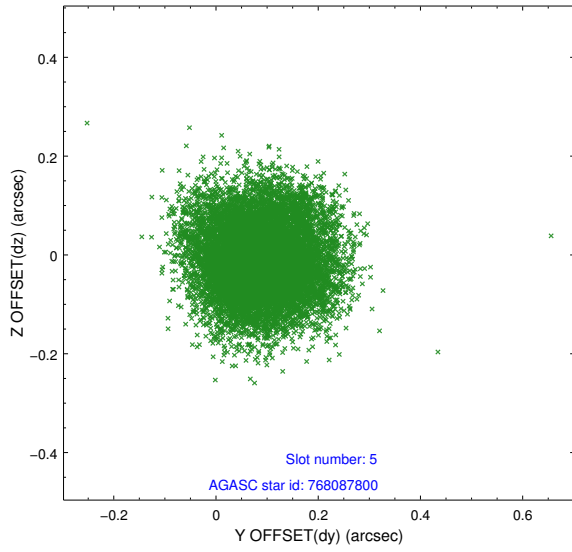
2.4.1 Slot 3



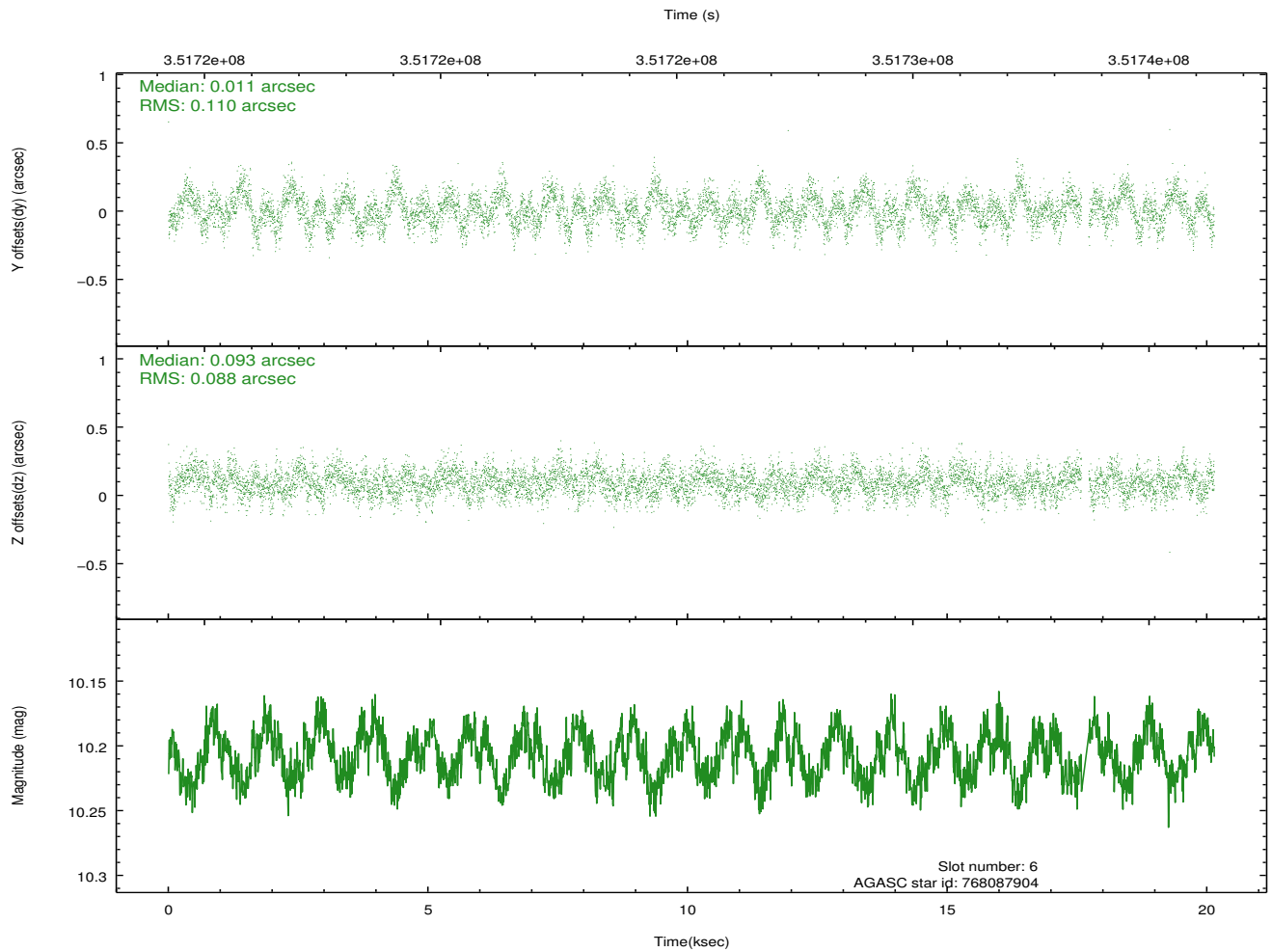
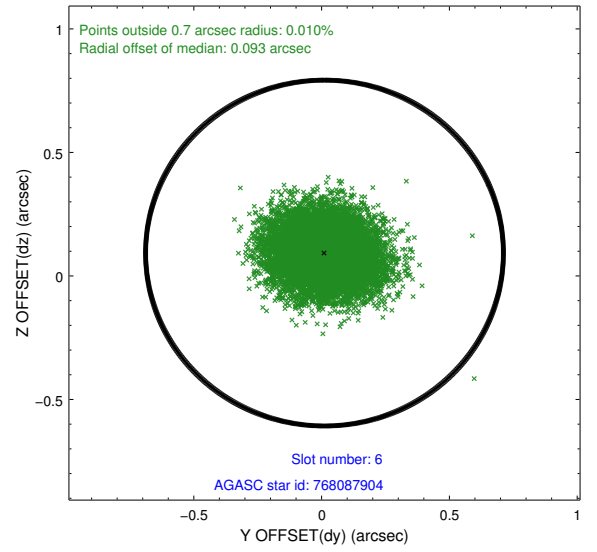
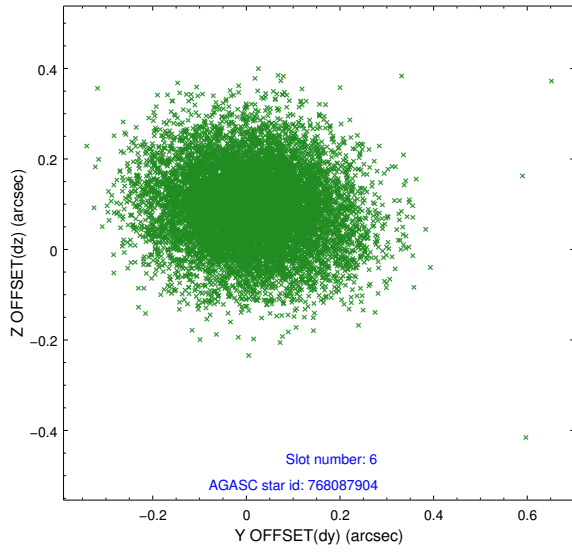
2.4.2 Slot 4



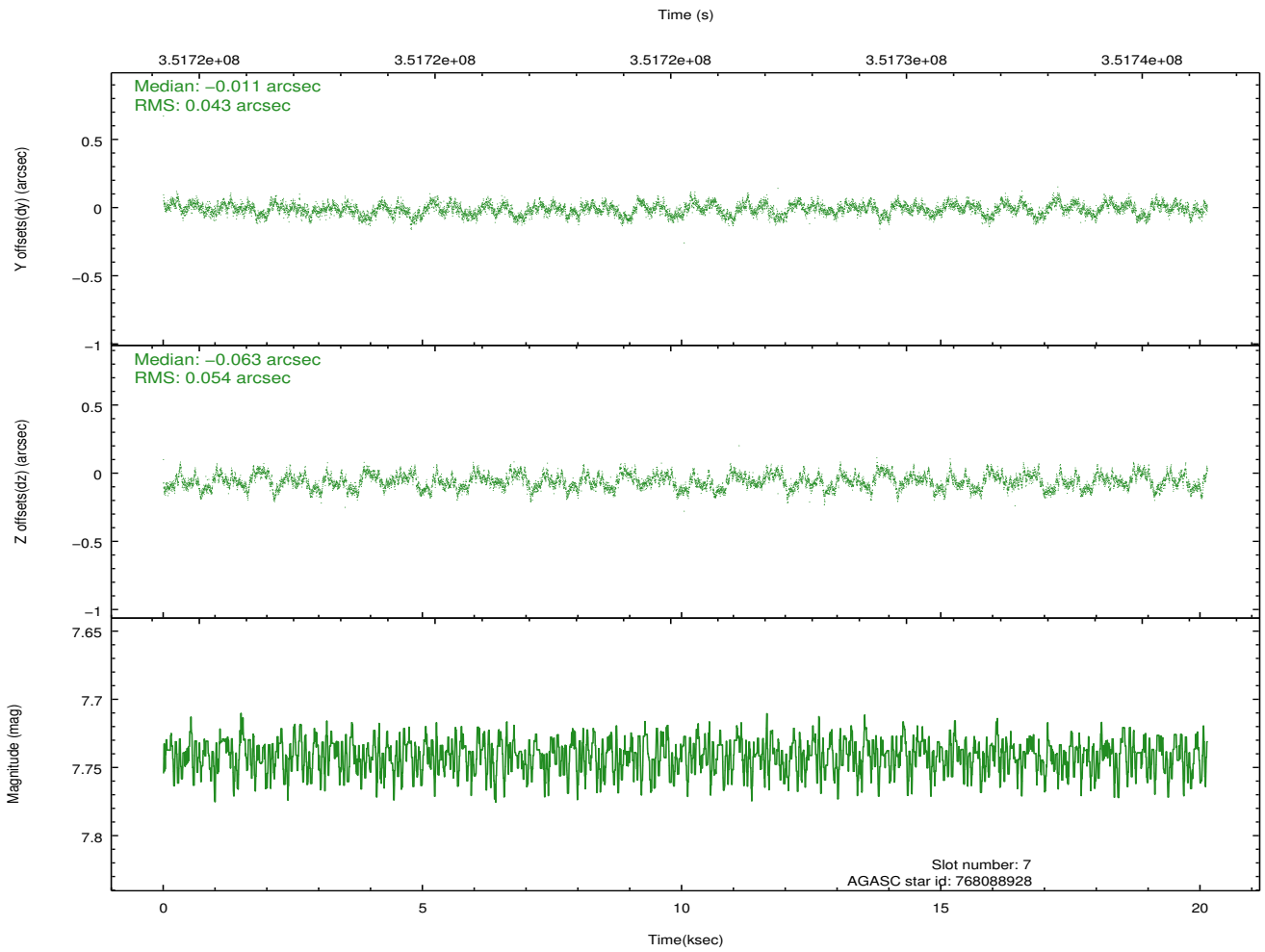
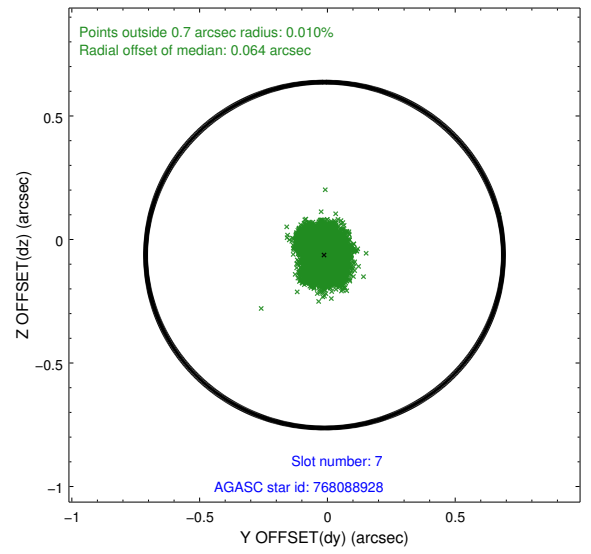
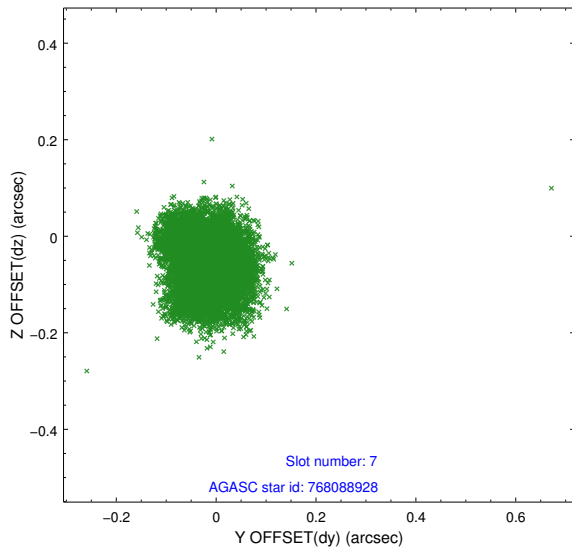
2.4.3 Slot 5



2.4.4 Slot 6

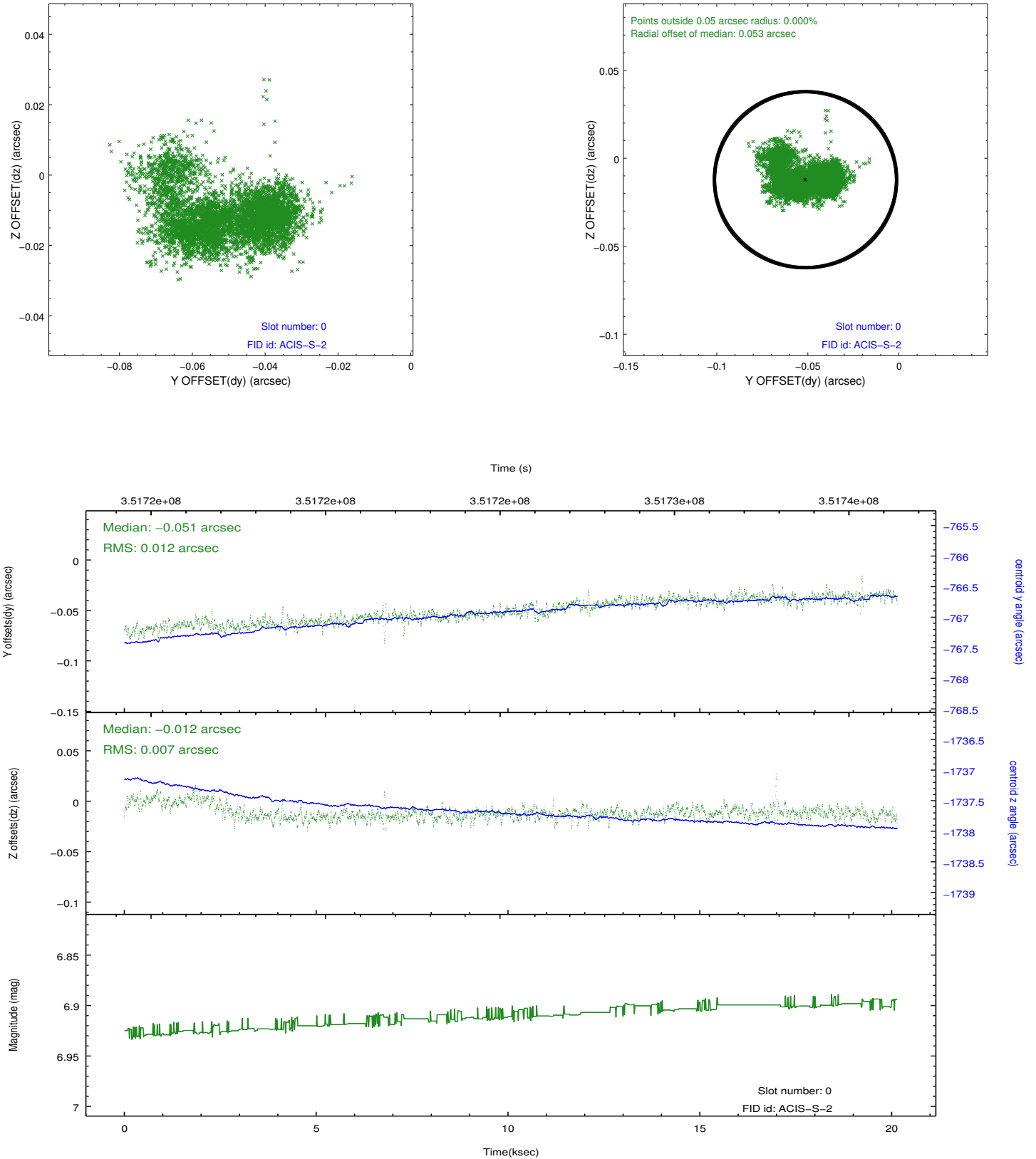


2.4.5 Slot 7

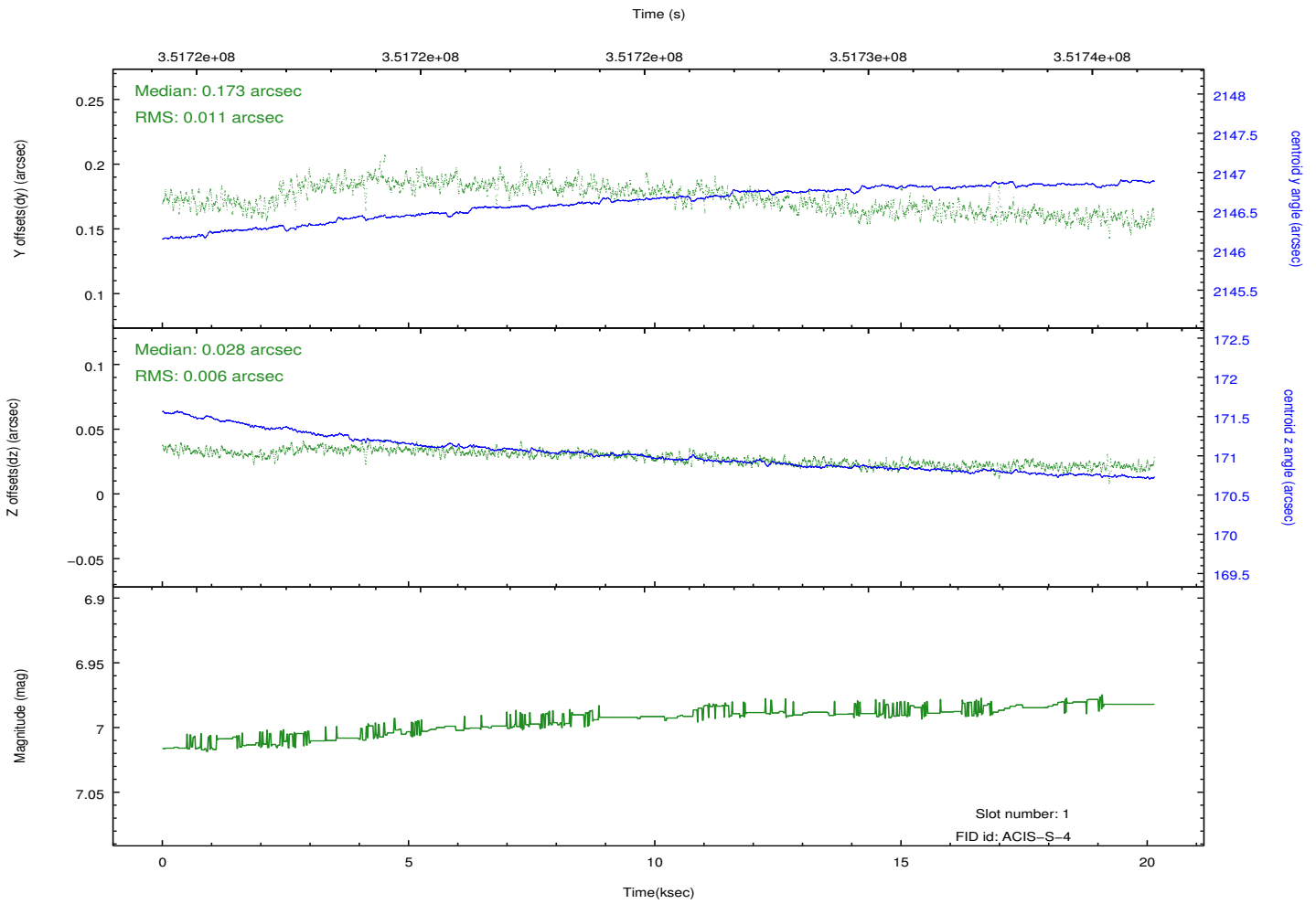
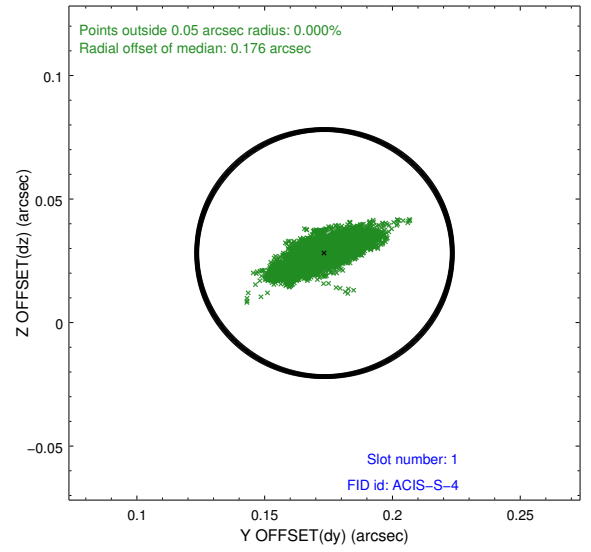
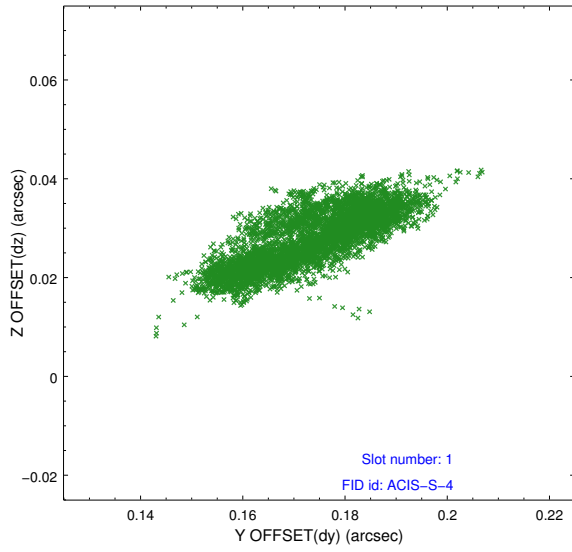


2.5 FID Slots

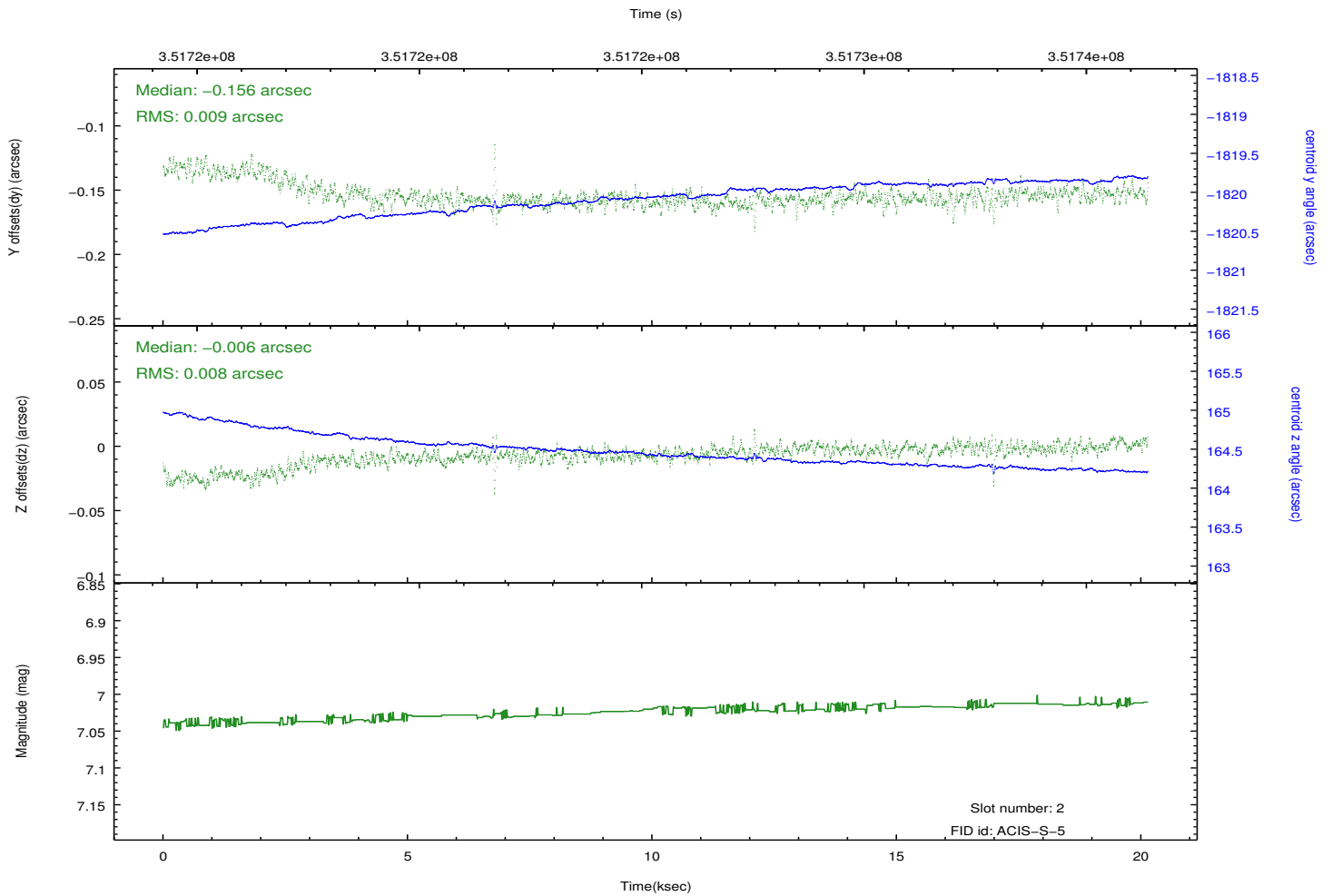
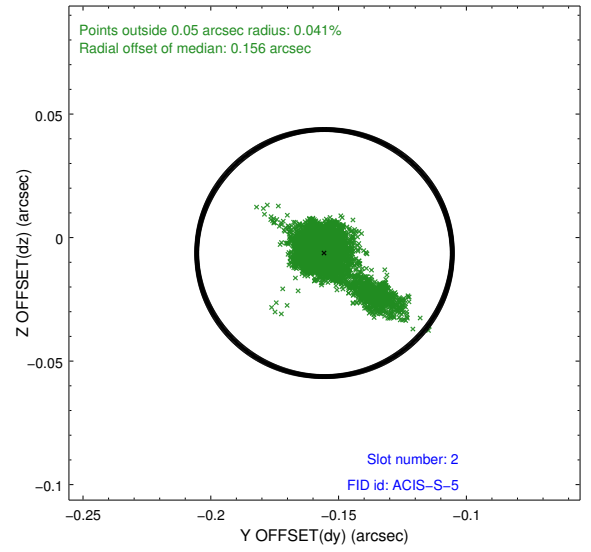
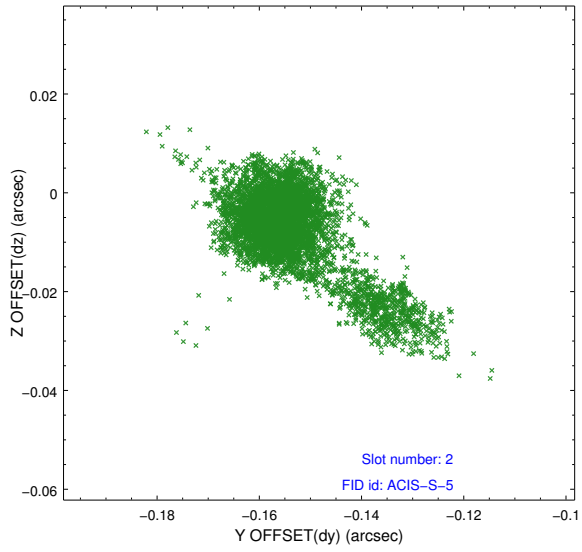
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1343999

A.2 Comments