

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7757 - L2 Version 2
Chandra X-Ray Center

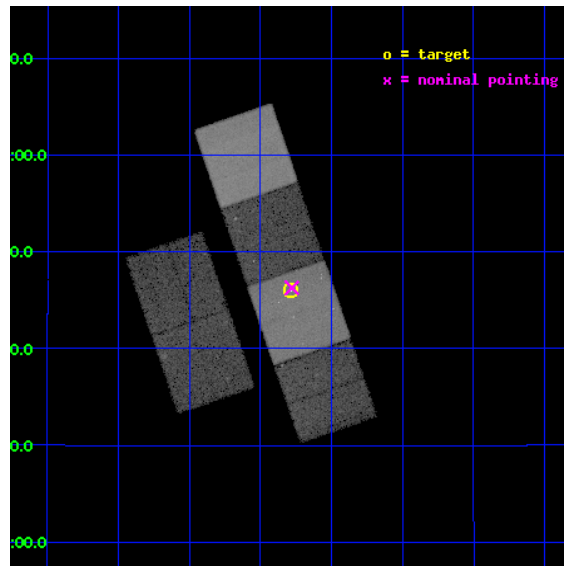
L2 Processing Date : May 9 2012

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1 Front

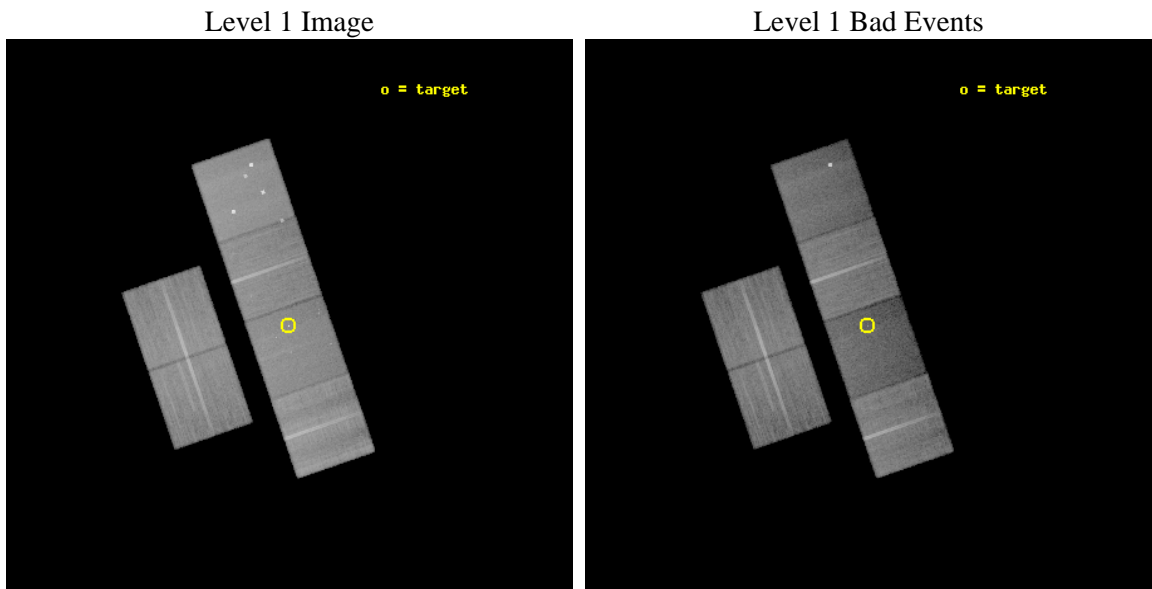
seq_num	701425	Sequence number
obs_id	7757	Observation id
title	Microlensing of the Quadruply Lensed Quasar PG 1115+080	Proposal t
observer	Prof. David Pooley	Principal investigator
object	PG1115+080	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.570833	Observer's specified target RA [deg]
dec_targ	7.7665	Observer's specified target Dec [deg]
ra_nom	169.56975570274	Nominal RA [deg]
dec_nom	7.7712214402253	Nominal Dec [deg]
roll_nom	71.049020527702	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29129.599891543	Sum of GTIs [s]
livetime	28760.743357977	Livetime [s]
ontime2	29129.599891543	Sum of GTIs [s]
ontime3	29129.599891543	Sum of GTIs [s]
ontime5	29129.599891543	Sum of GTIs [s]
ontime6	29129.599891543	Sum of GTIs [s]
ontime7	29129.599891543	Sum of GTIs [s]
ontime8	29129.599891543	Sum of GTIs [s]
l2events	315797	Number of level 2 events



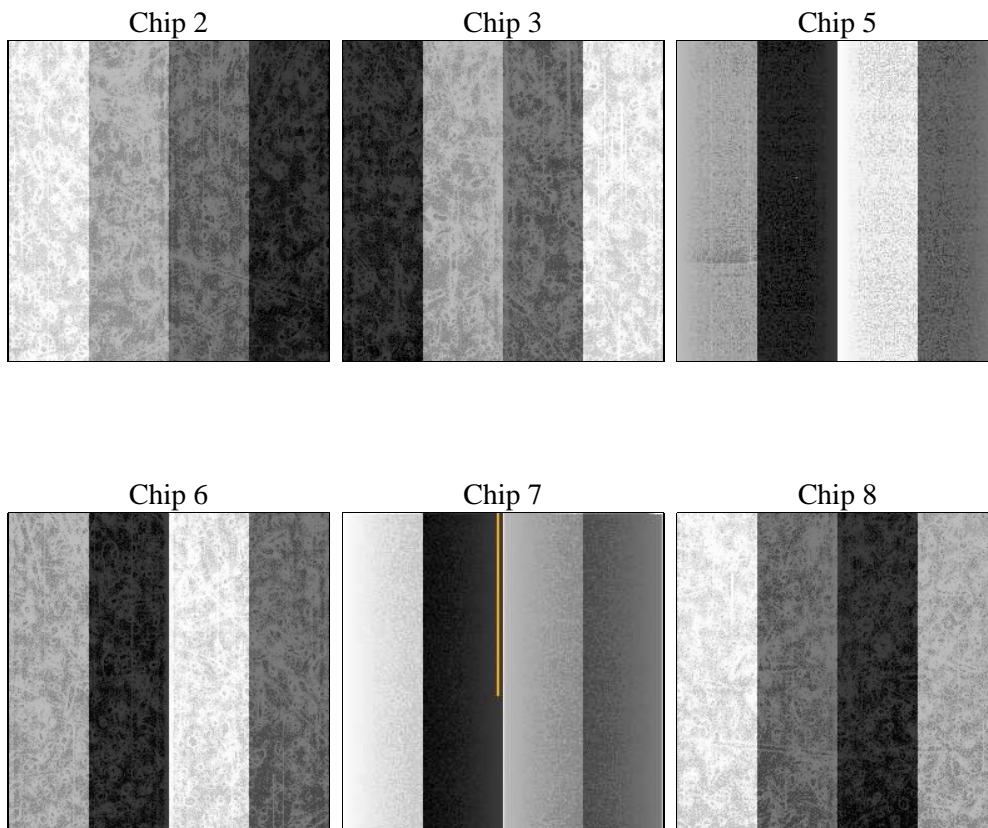
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	29129.599891543	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	29129.599891543	Sum of GTIs [s]
date	2012-05-09T03:48:40	Date and time of file creation	ontime3	29129.599891543	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	29129.599891543	Sum of GTIs [s]
			ontime6	29129.599891543	Sum of GTIs [s]
			ontime7	29129.599891543	Sum of GTIs [s]
			ontime8	29129.599891543	Sum of GTIs [s]
			l1events	1487389	Number of level 1 events

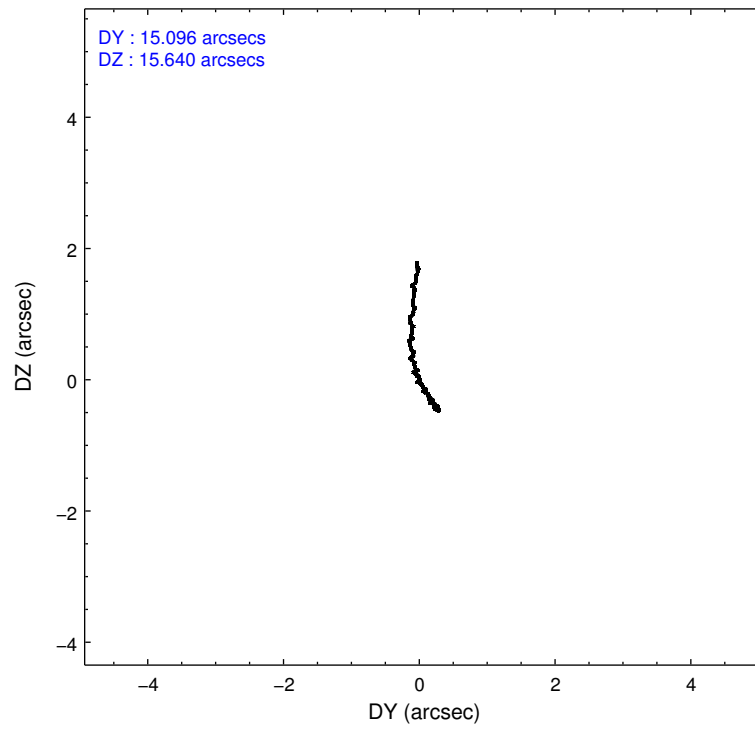
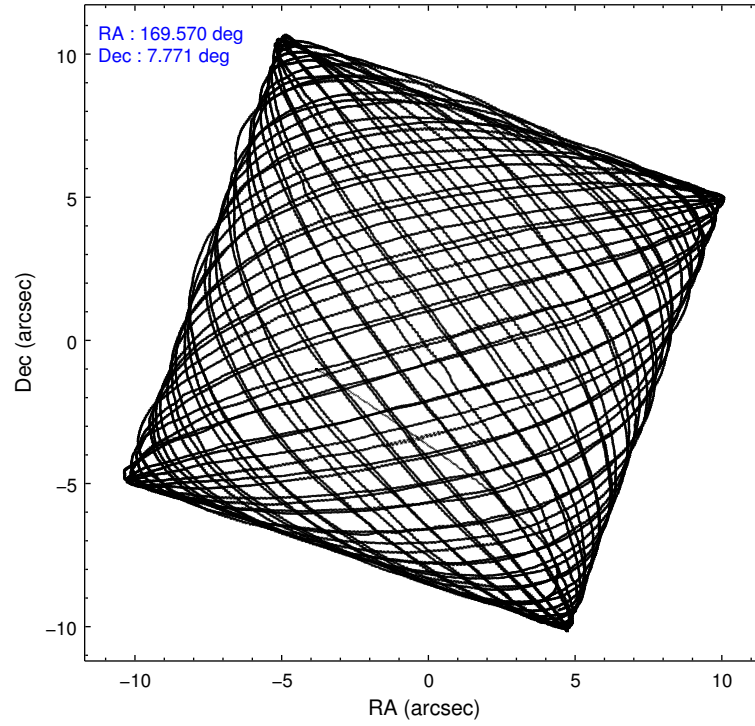
2.1.4 Events

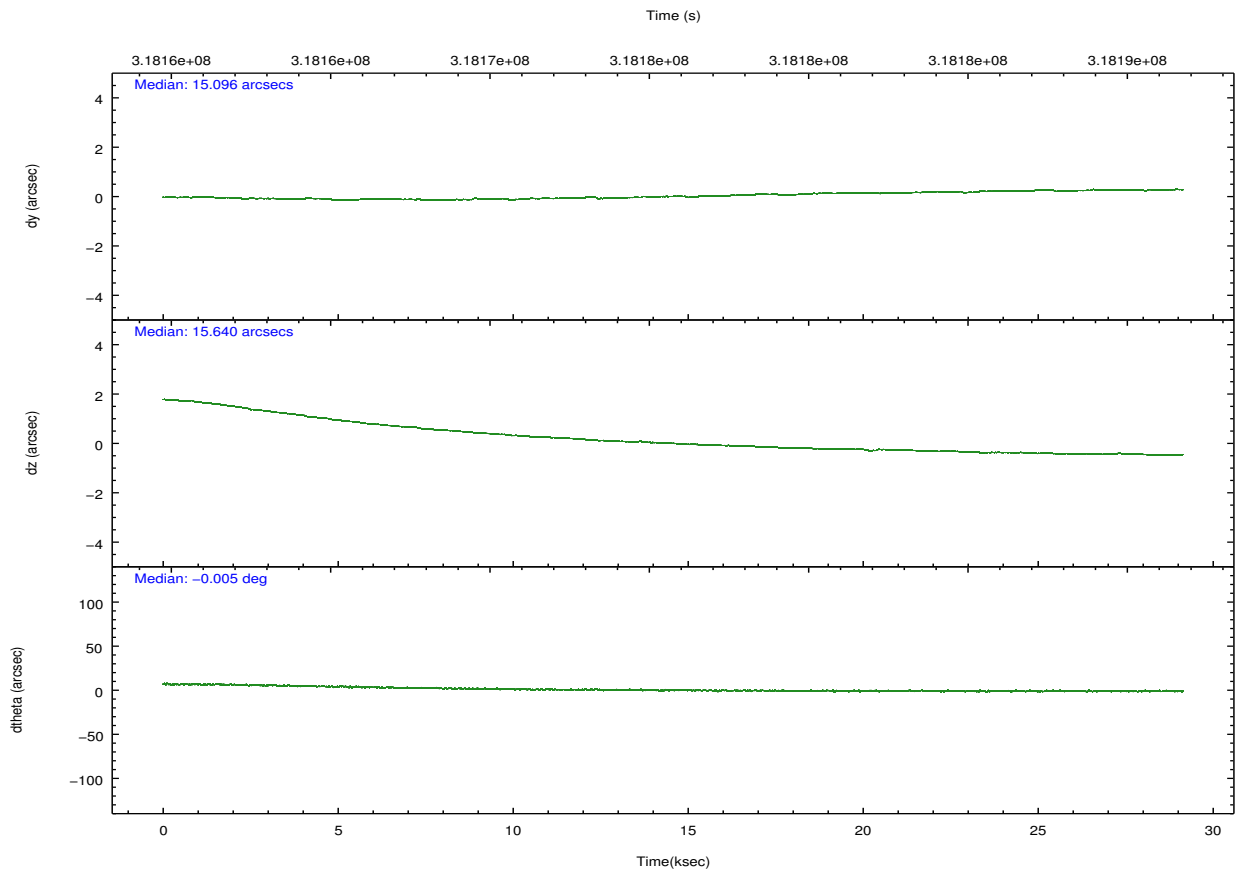
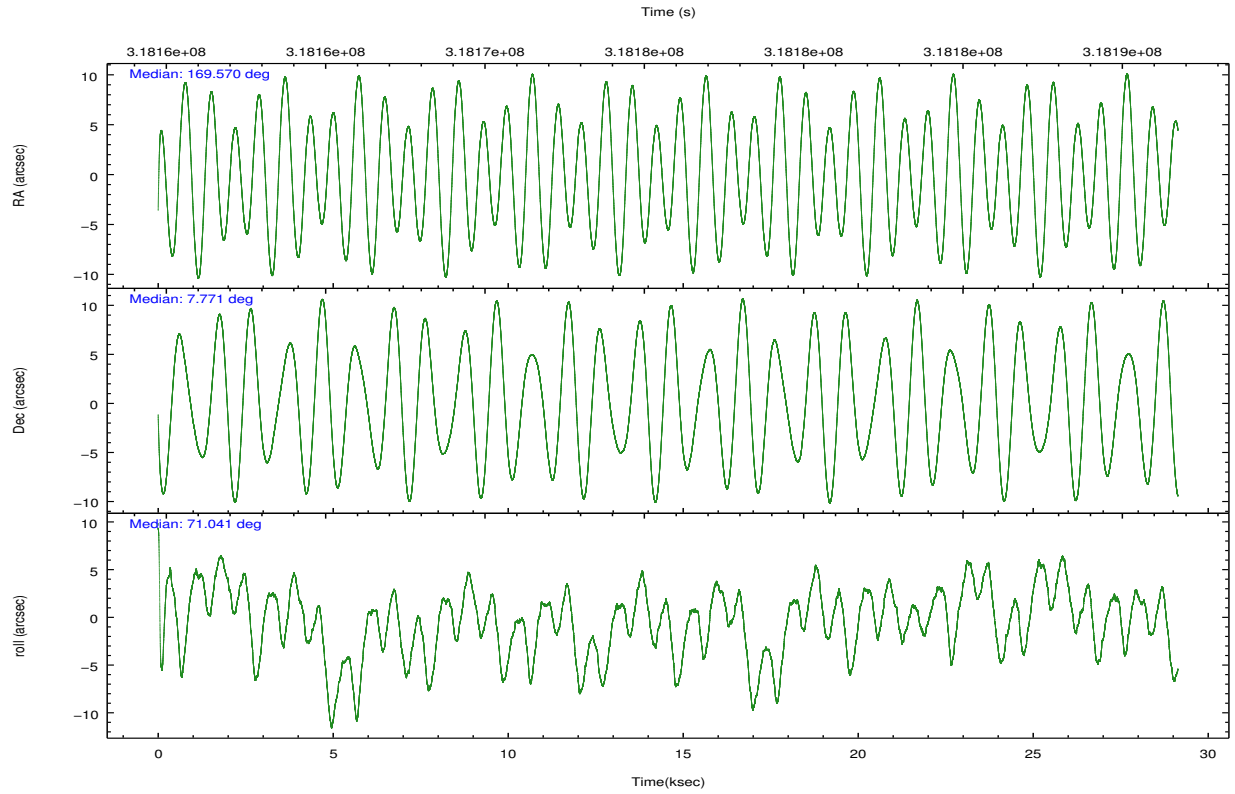
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	242884	223075	296011	227980	215630	281809	grade 0 events	7905	7487	26746	8225	11916	20091
rejected events	221542	202943	136675	205664	107607	211543		3%	3%	9%	3%	5%	7%
rejected %	91%	90%	46%	90%	49%	75%	grade 1 events	127	122	677	125	341	241
								0%	0%	0%	0%	0%	0%
							grade 2 events	5361	4484	46859	5016	23424	16805
								2%	2%	15%	2%	10%	5%
							grade 3 events	2310	2303	6878	2466	10332	7731
								0%	1%	2%	1%	4%	2%
							grade 4 events	2315	2227	6374	2454	10487	7374
								0%	0%	2%	1%	4%	2%
							grade 5 events	6102	7596	23435	7761	22818	11437
								2%	3%	7%	3%	10%	4%
							grade 6 events	3705	3862	74224	4400	53028	19014
								1%	1%	25%	1%	24%	6%
							grade 7 events	215059	194994	110818	197533	83284	199116
								88%	87%	37%	86%	38%	70%

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	169.575413	169.5697557027379	CCD I2 on	O2	Y
[deg] Pointing Dec	7.744469	7.771221440225267	CCD I3 on	O3	Y
[deg] Pointing Roll	70.891616	71.04902052770198	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	318161318.184000	318160113.5552	CCD S5 on	N	N
Observation start date	2008-01-31T10:07:33	2008-01-31T09:48:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318190318.184000	318191113.6567	On-chip summing requested	N	N
Observation end date	2008-01-31T18:10:53	2008-01-31T18:25:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



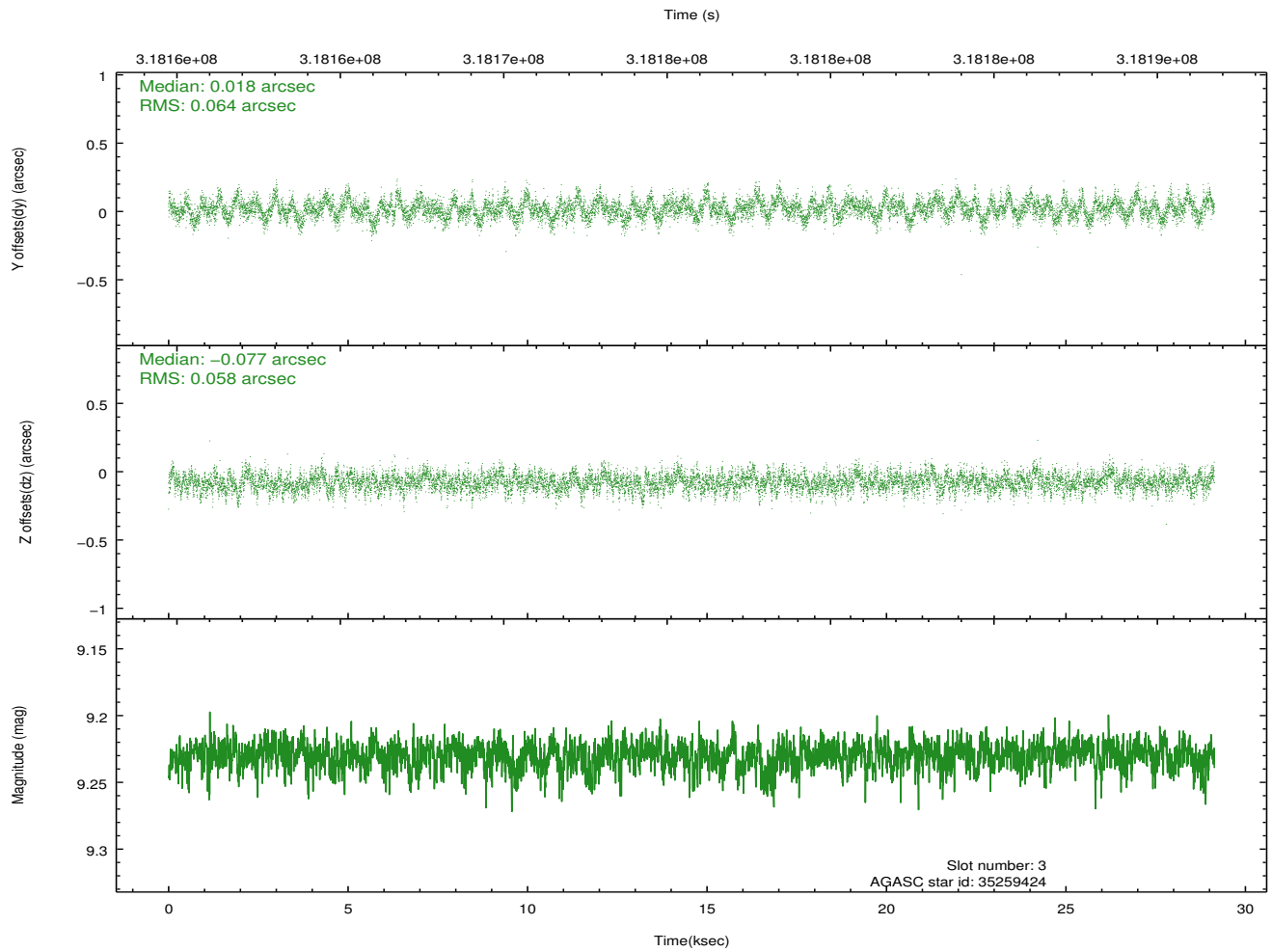
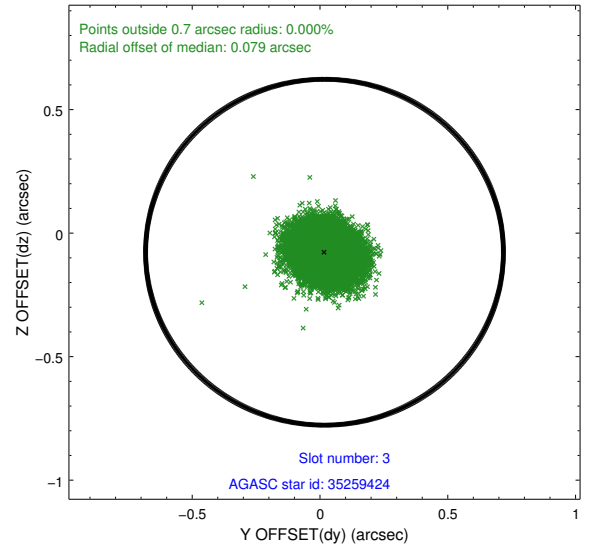
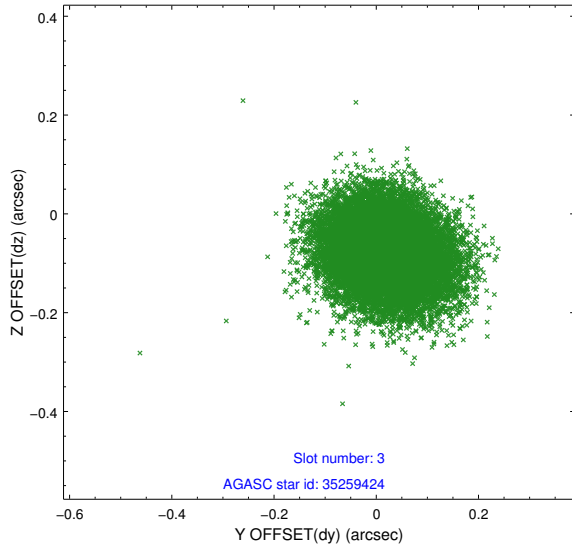


Slot Statistics

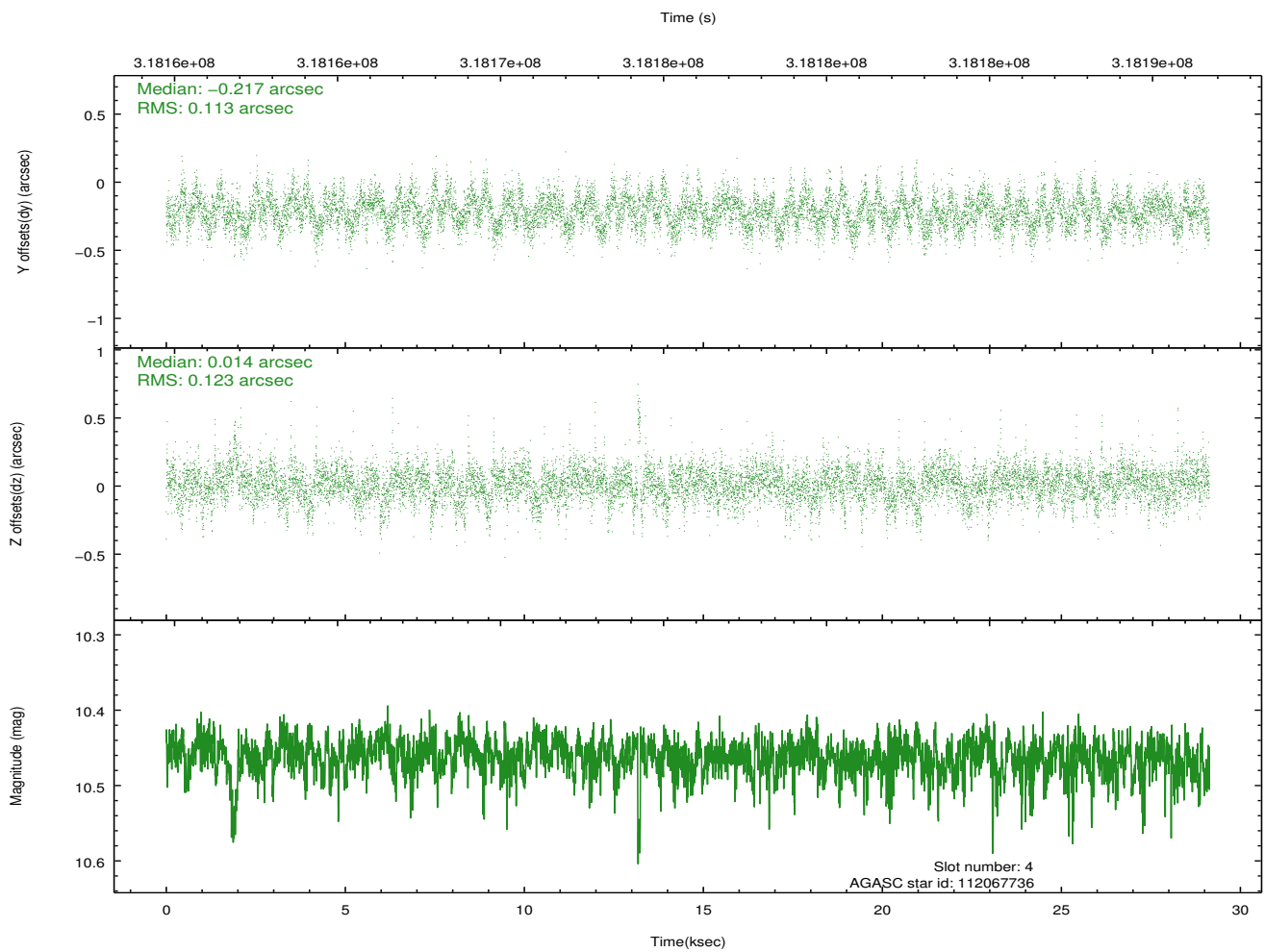
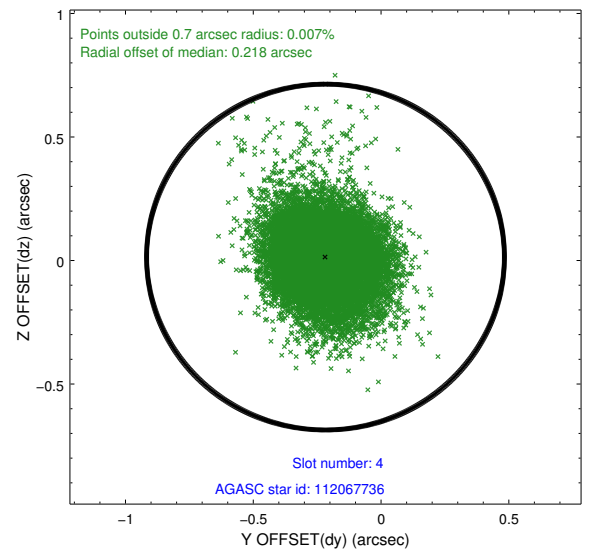
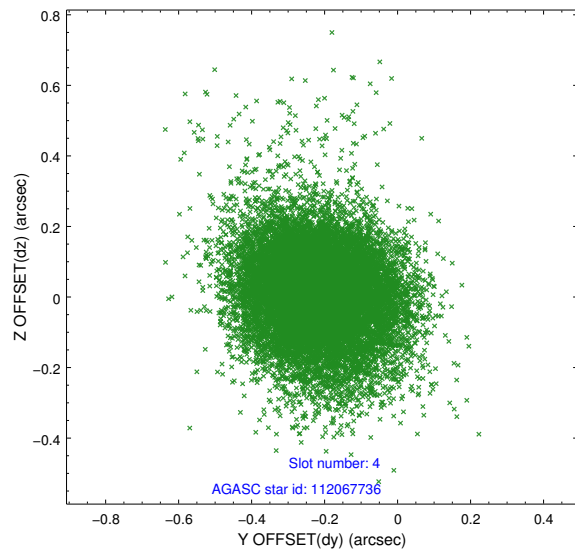
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	7106	0.022	-0.060	0.031	0.047	0.000000	0.000000	927.94	-1732.96
1	FID	ACIS-S-4	7.19	7107	0.129	0.035	0.012	0.022	0.000000	0.000000	2145.49	171.21
2	FID	ACIS-S-5	7.23	7107	-0.180	0.037	0.025	0.040	0.000000	0.000000	-1821.04	164.90
3	GUIDE	35259424	9.23	14202	0.018	-0.077	0.092	0.148	169.225147	7.406887	-1557.23	784.30
4	GUIDE	112067736	10.46	14086	-0.217	0.014	0.172	0.291	169.254540	7.940950	293.93	1313.38
5	GUIDE	112068312	9.85	14200	-0.036	-0.190	0.171	0.254	169.673636	8.146330	1481.58	143.55
6	GUIDE	112068528	8.78	14201	0.106	0.197	0.088	0.146	169.984852	7.578312	-85.74	-1575.43
7	GUIDE	35259552	10.35	14185	0.113	0.042	0.204	0.335	169.021323	7.237315	-2371.87	1272.79

2.4 Star Slots

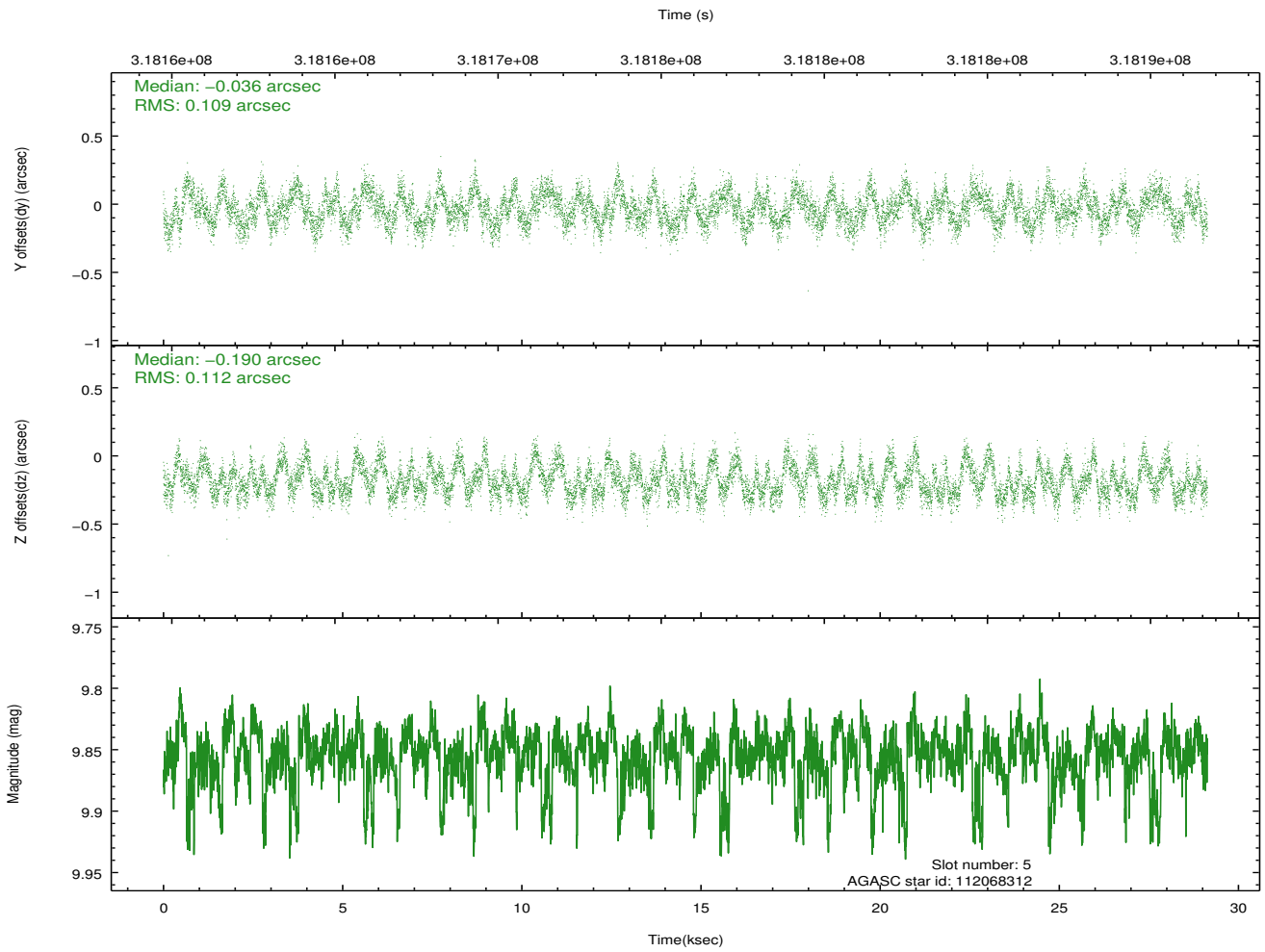
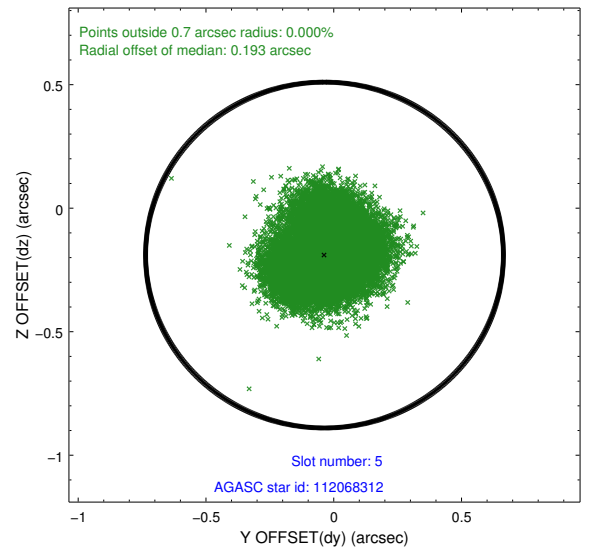
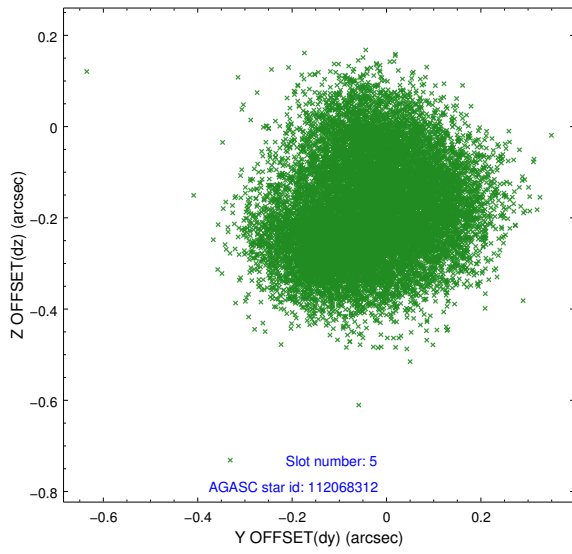
2.4.1 Slot 3



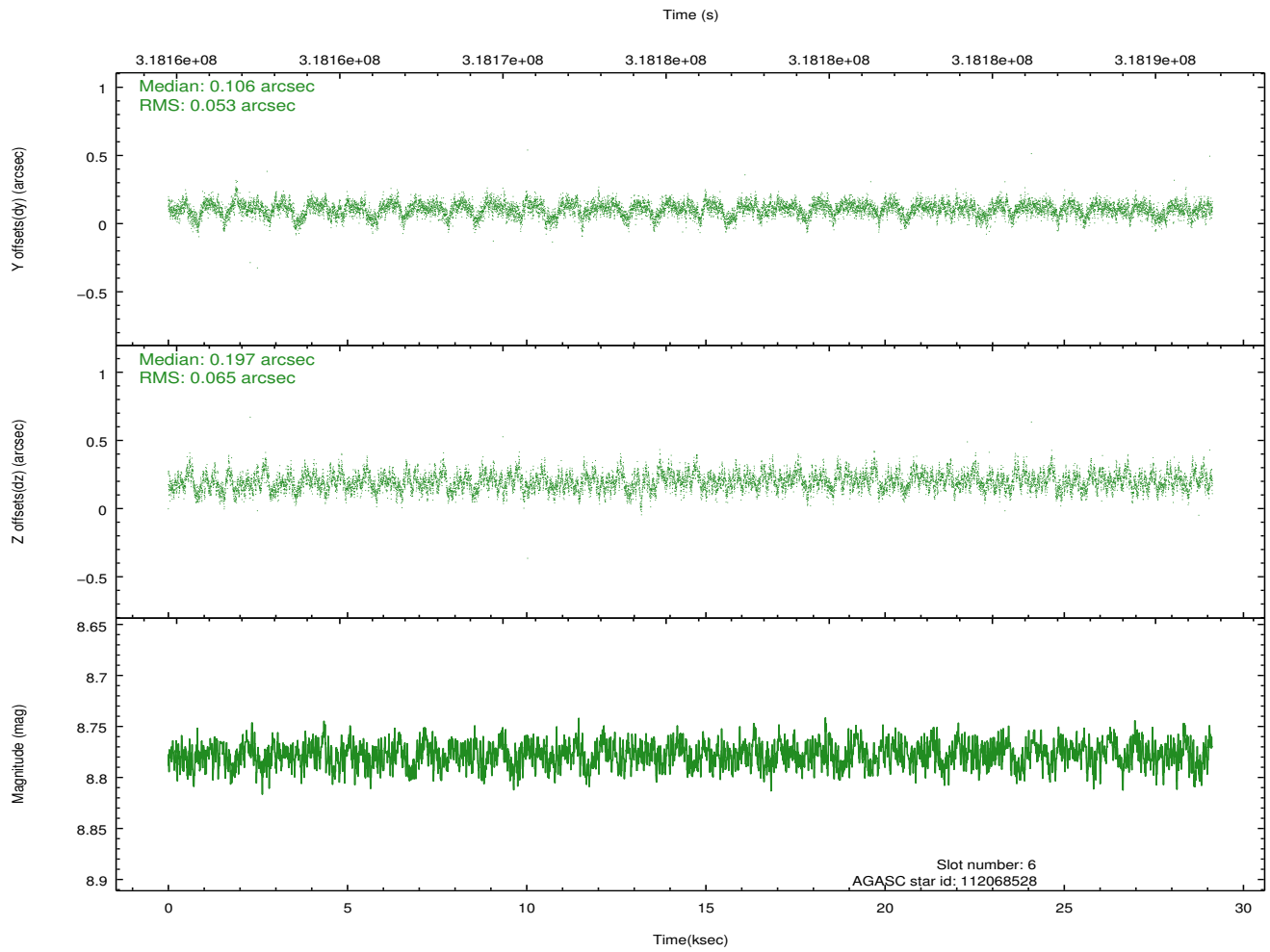
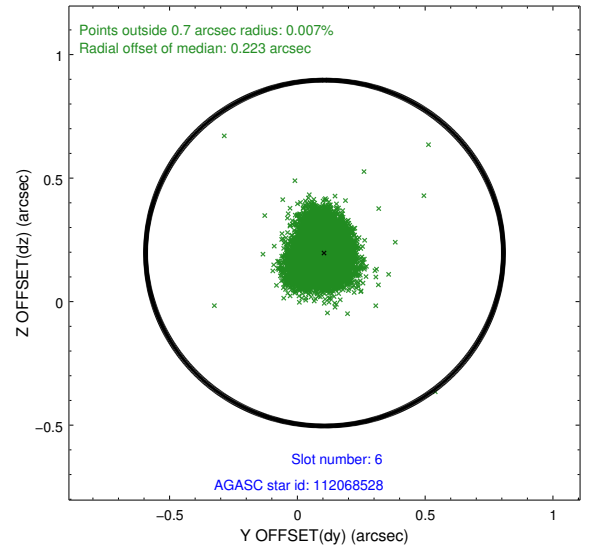
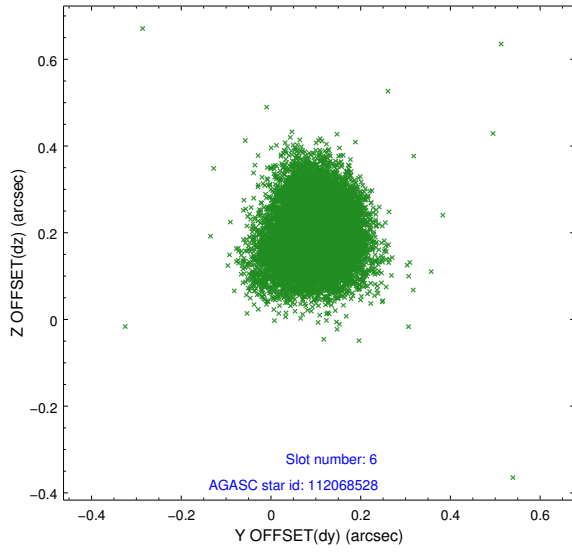
2.4.2 Slot 4



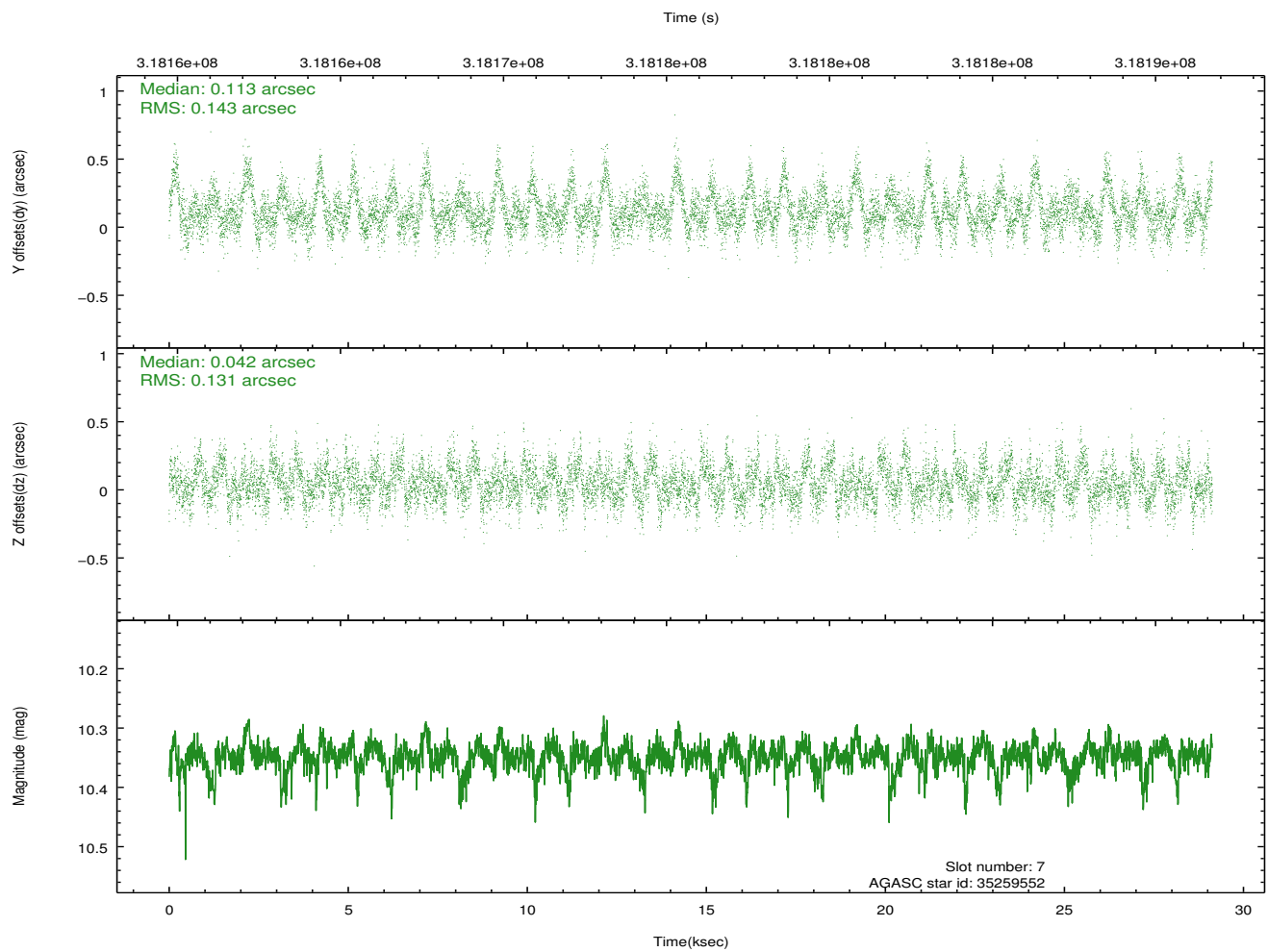
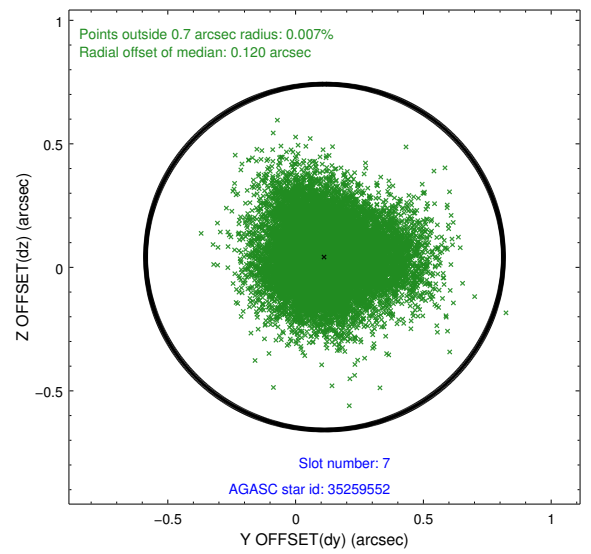
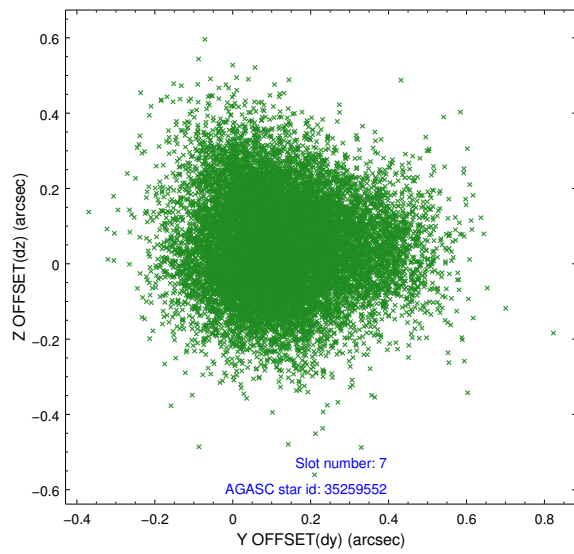
2.4.3 Slot 5



2.4.4 Slot 6

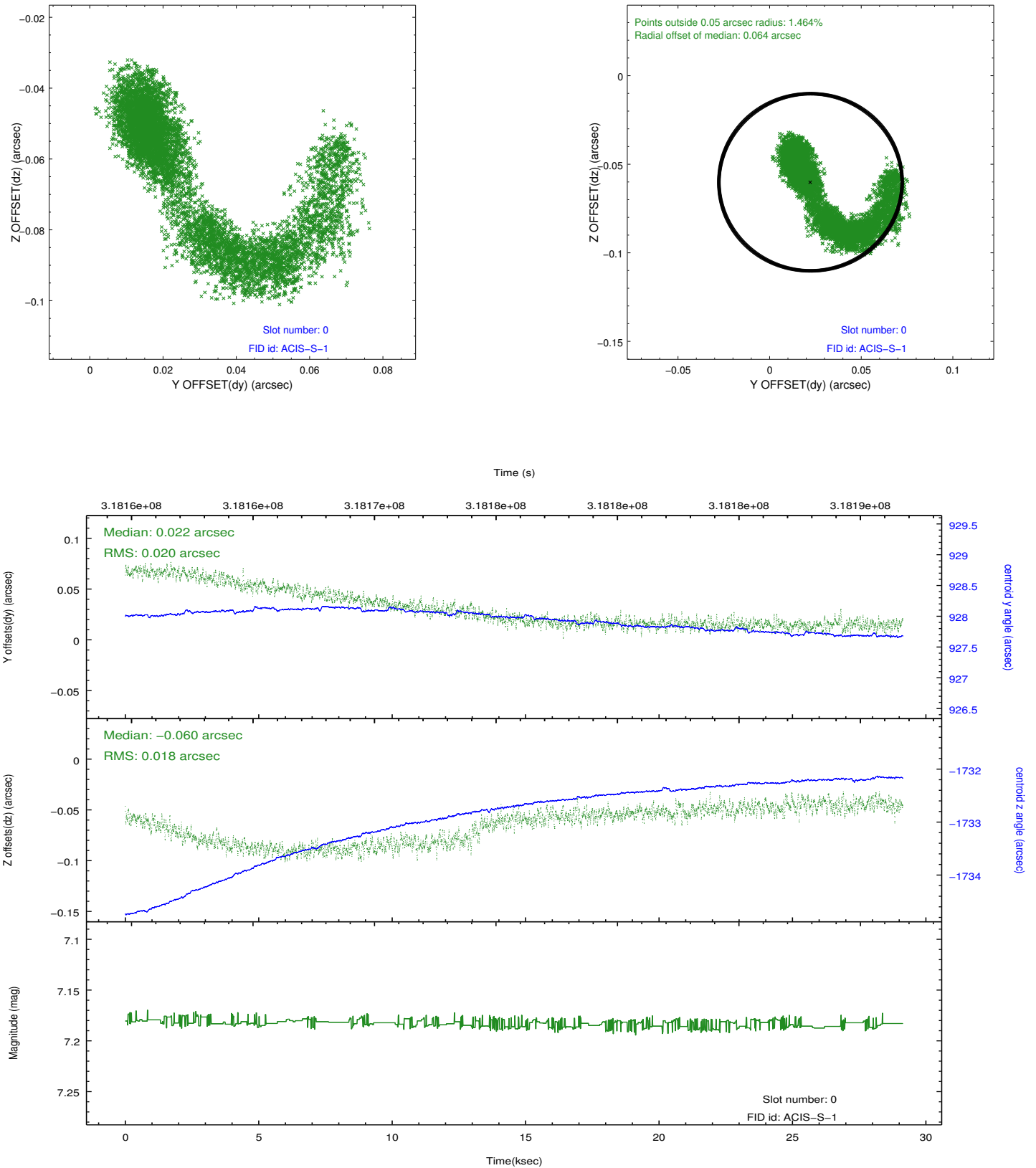


2.4.5 Slot 7

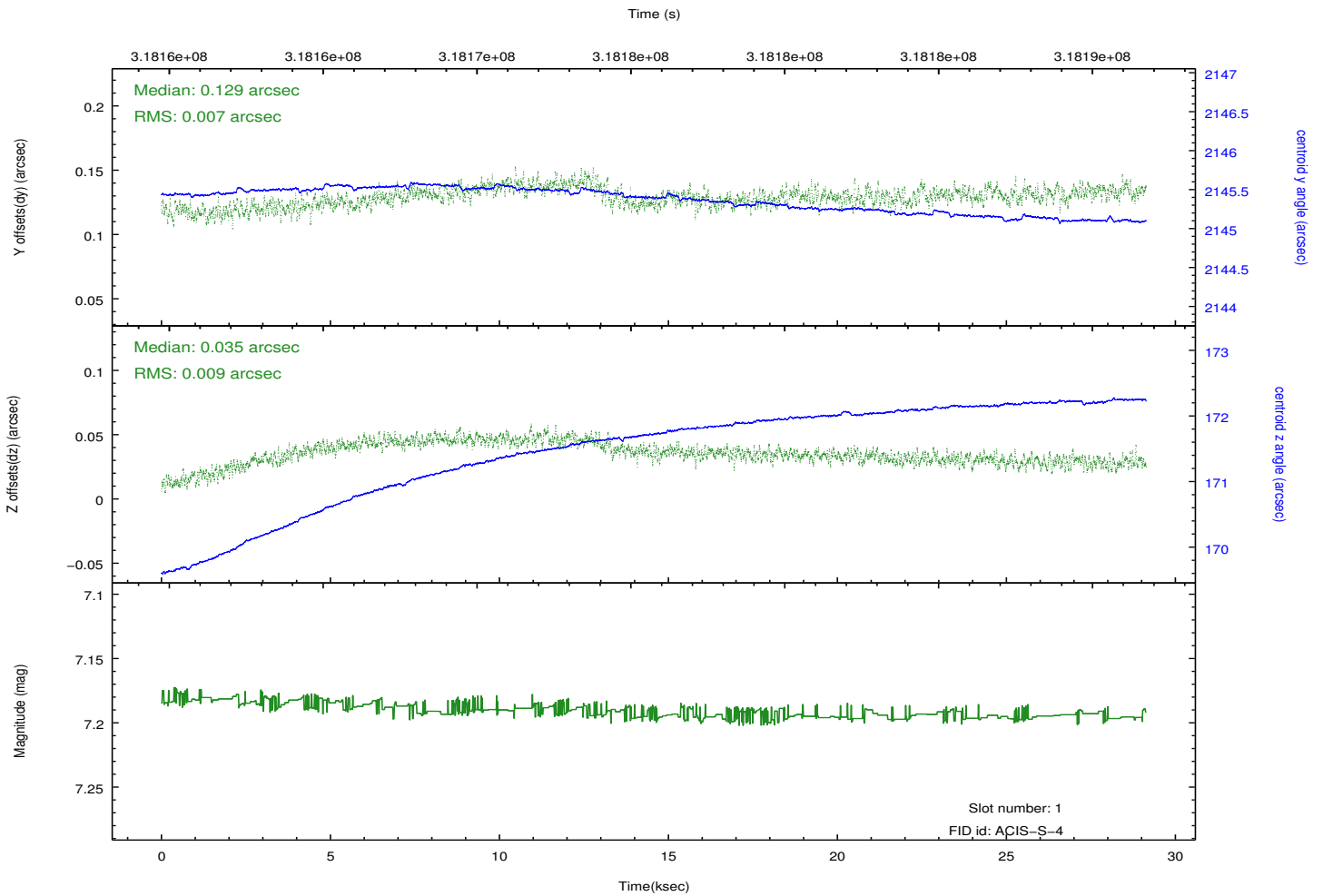
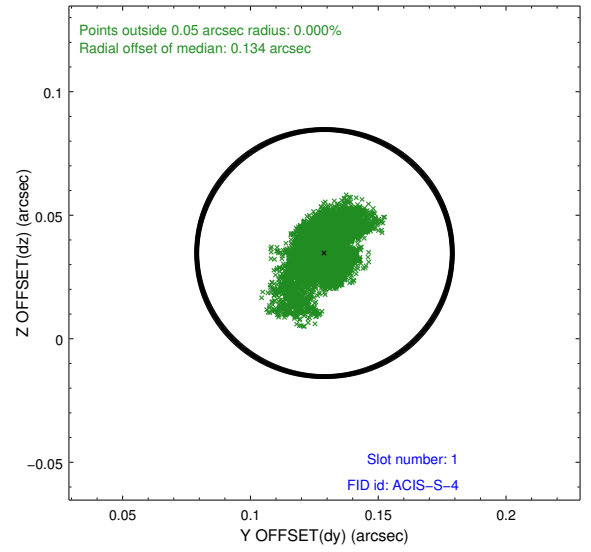
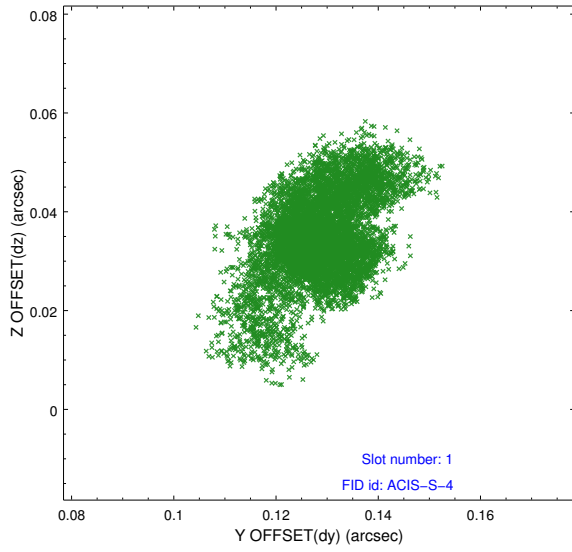


2.5 FID Slots

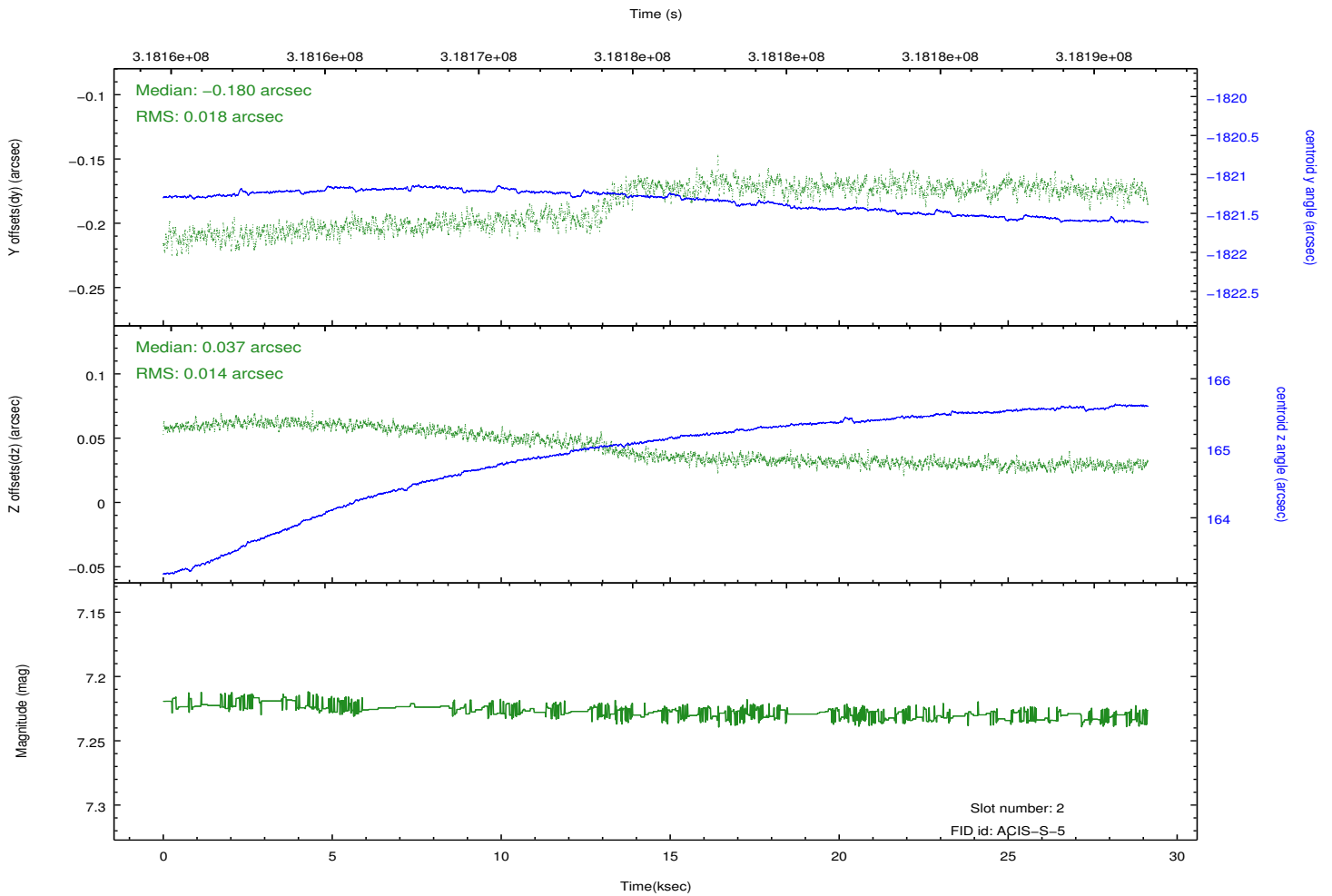
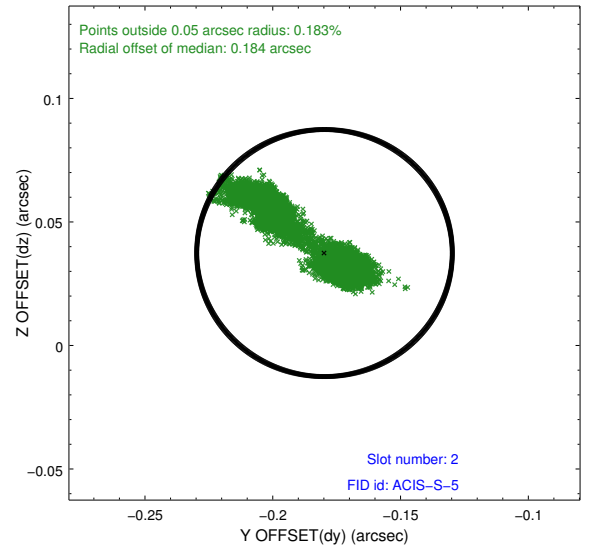
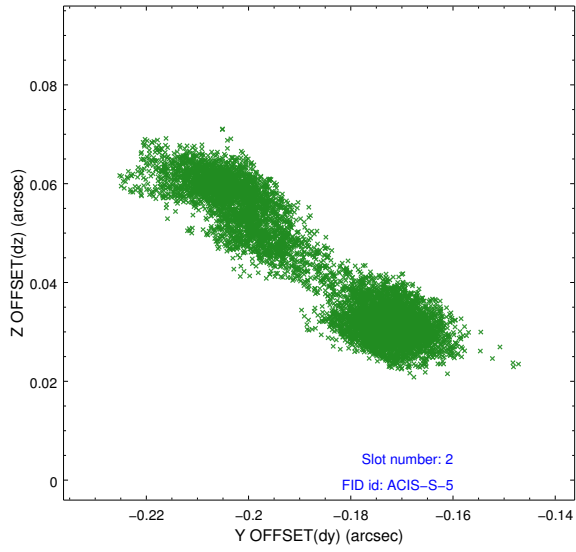
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.1295998

A.2 Comments