

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12291 - L2 Version 2
Chandra X-Ray Center

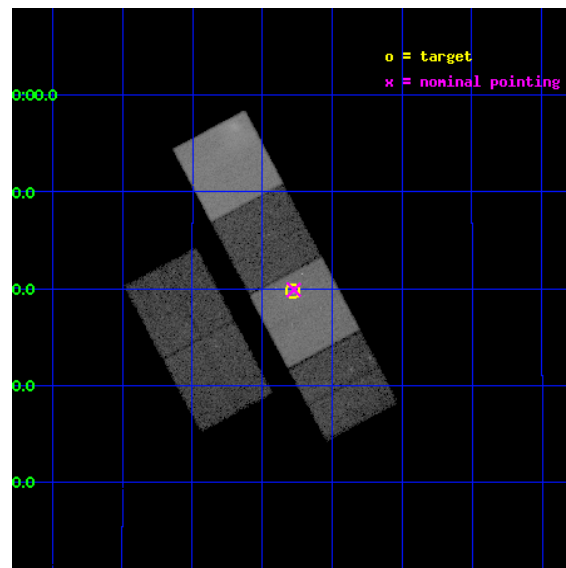
L2 Processing Date : Feb 28 2012

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1 Front

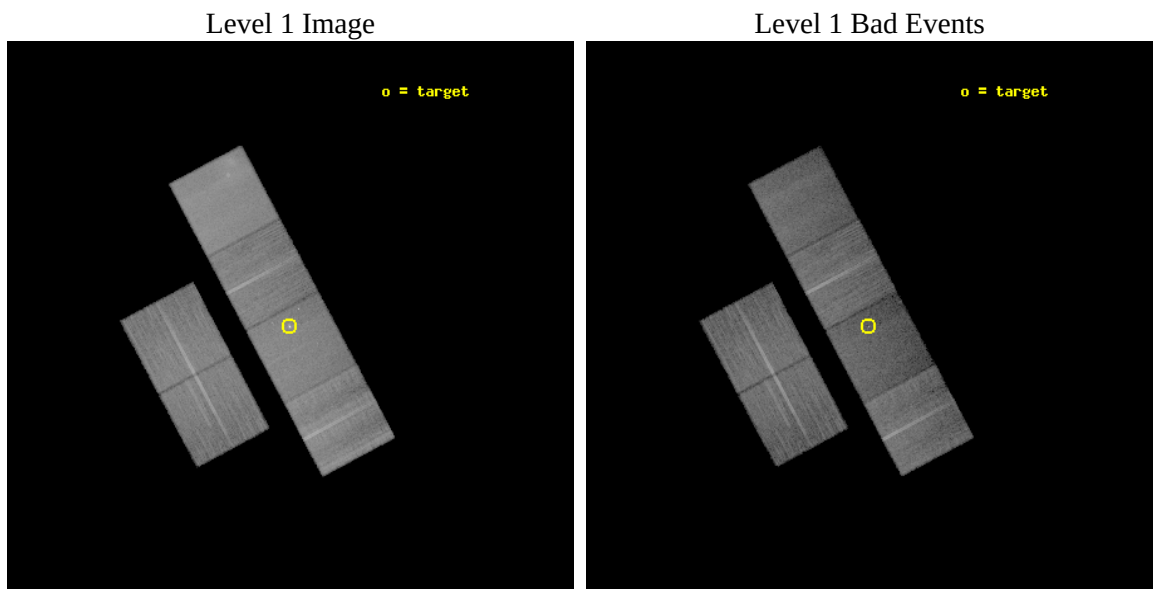
seq_num	900946	Sequence number
obs_id	12291	Observation id
title	A CHandra survey of Extended Emission-line Regions in nearby Seyfert galaxies (CHEERS)	Proposal title
observer	Dr. Junfeng Wang	Principal investigator
object	NGC 4388	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.445	Observer's specified target RA [deg]
dec_targ	12.662167	Observer's specified target Dec [deg]
ra_nom	186.44347096347	Nominal RA [deg]
dec_nom	12.664807042251	Nominal Dec [deg]
roll_nom	61.987721480821	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27957.138992429	Sum of GTIs [s]
livetime	27603.128864739	Livetime [s]
ontime2	27950.698061824	Sum of GTIs [s]
ontime3	27953.774902105	Sum of GTIs [s]
ontime5	27957.097952425	Sum of GTIs [s]
ontime6	27957.056912422	Sum of GTIs [s]
ontime7	27957.138992429	Sum of GTIs [s]
ontime8	27956.974832416	Sum of GTIs [s]
l2events	315418	Number of level 2 events



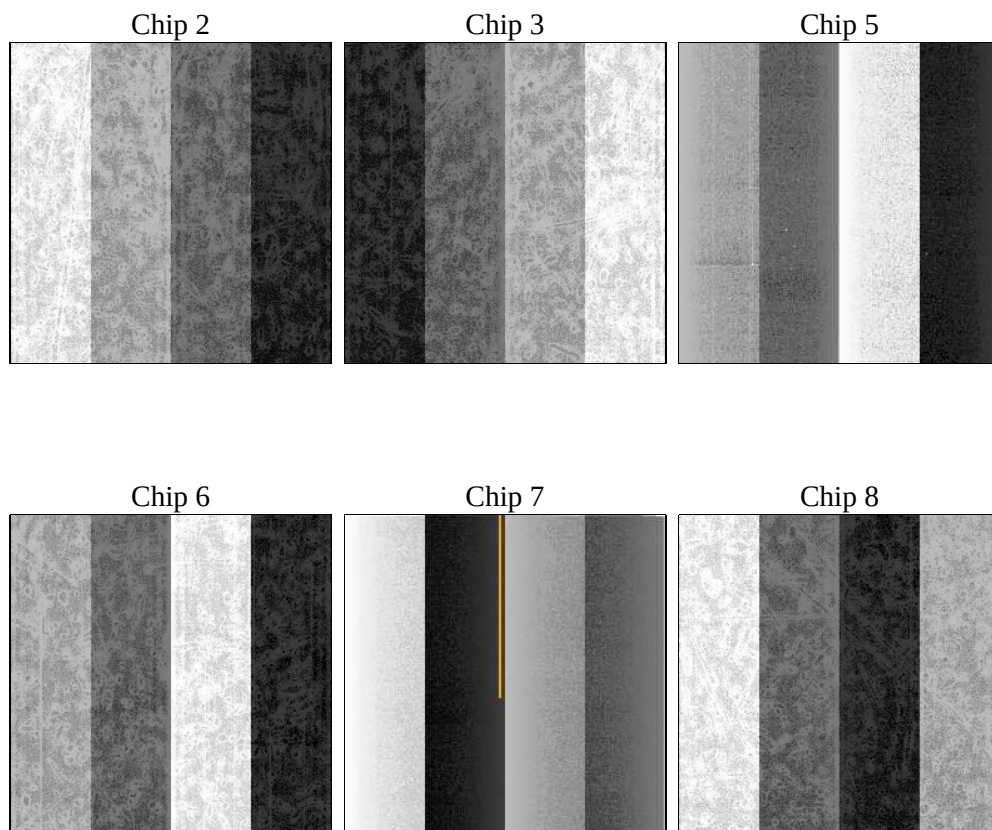
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	27957.138992429	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	27950.698061824	Sum of GTIs [s]
date	2012-02-28T01:24:18	Date and time of file creation	ontime3	27953.774902105	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	27957.097952425	Sum of GTIs [s]
			ontime6	27957.056912422	Sum of GTIs [s]
			ontime7	27957.138992429	Sum of GTIs [s]
			ontime8	27956.974832416	Sum of GTIs [s]
			l1events	1169444	Number of level 1 events

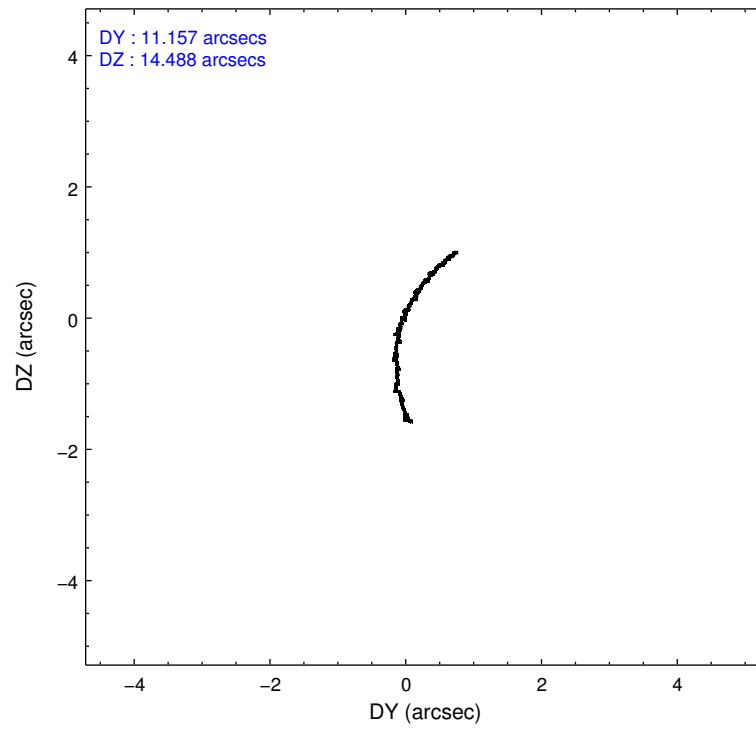
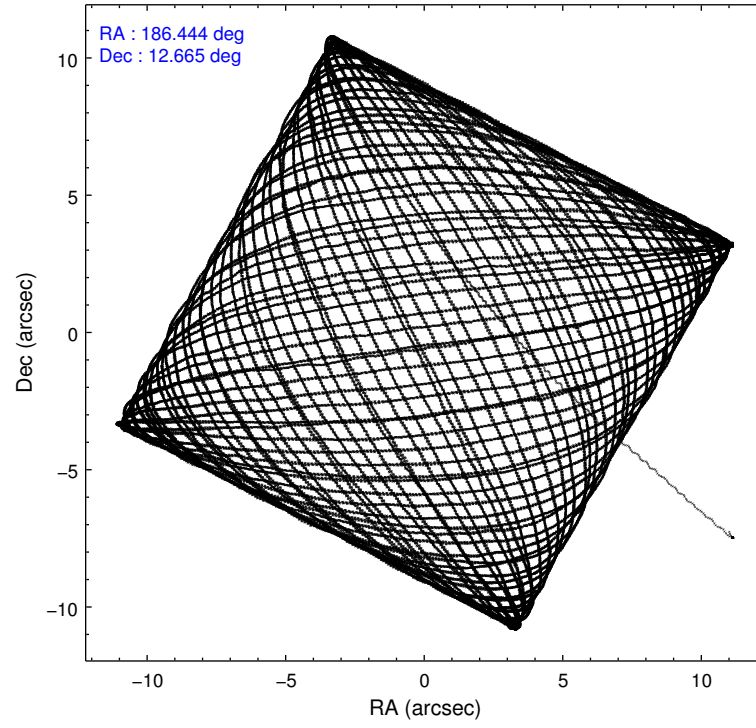
2.1.4 Events

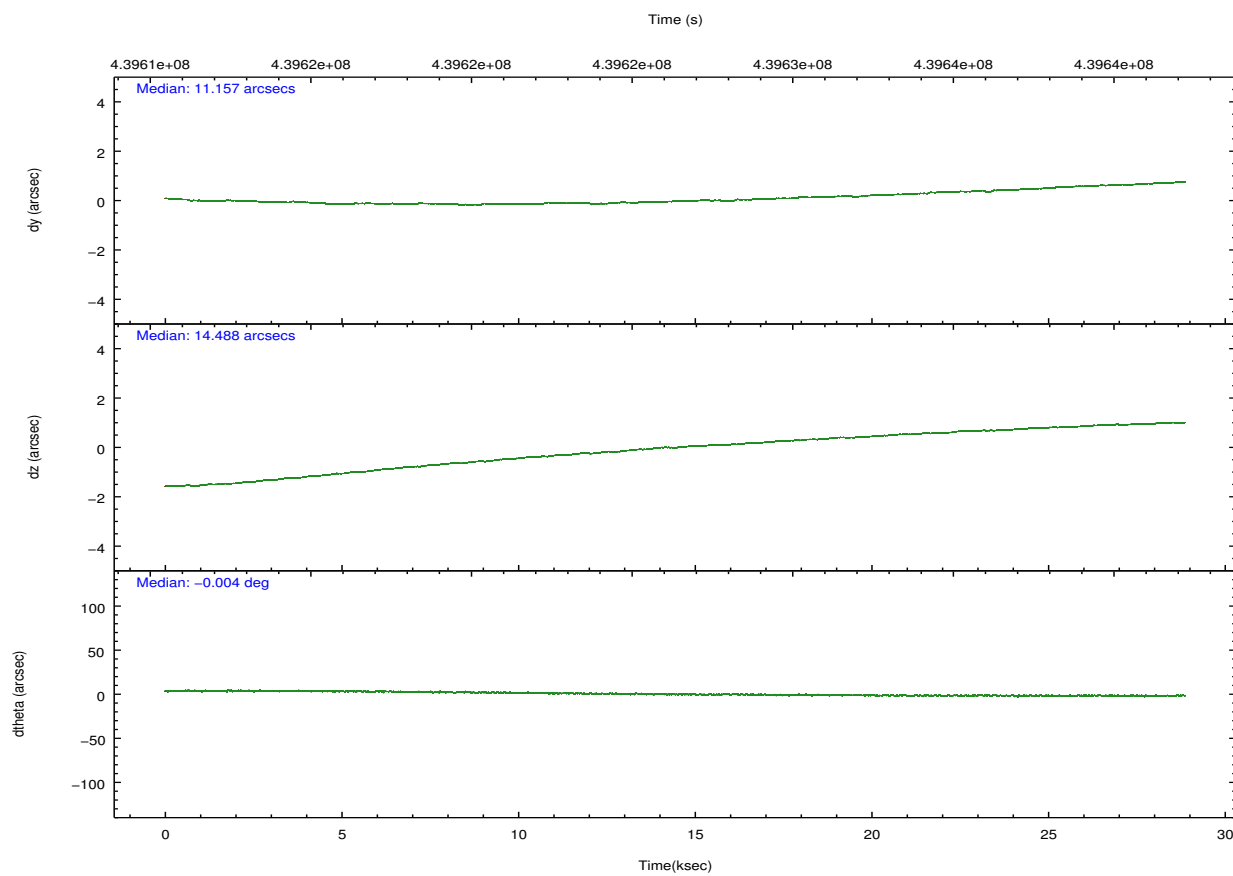
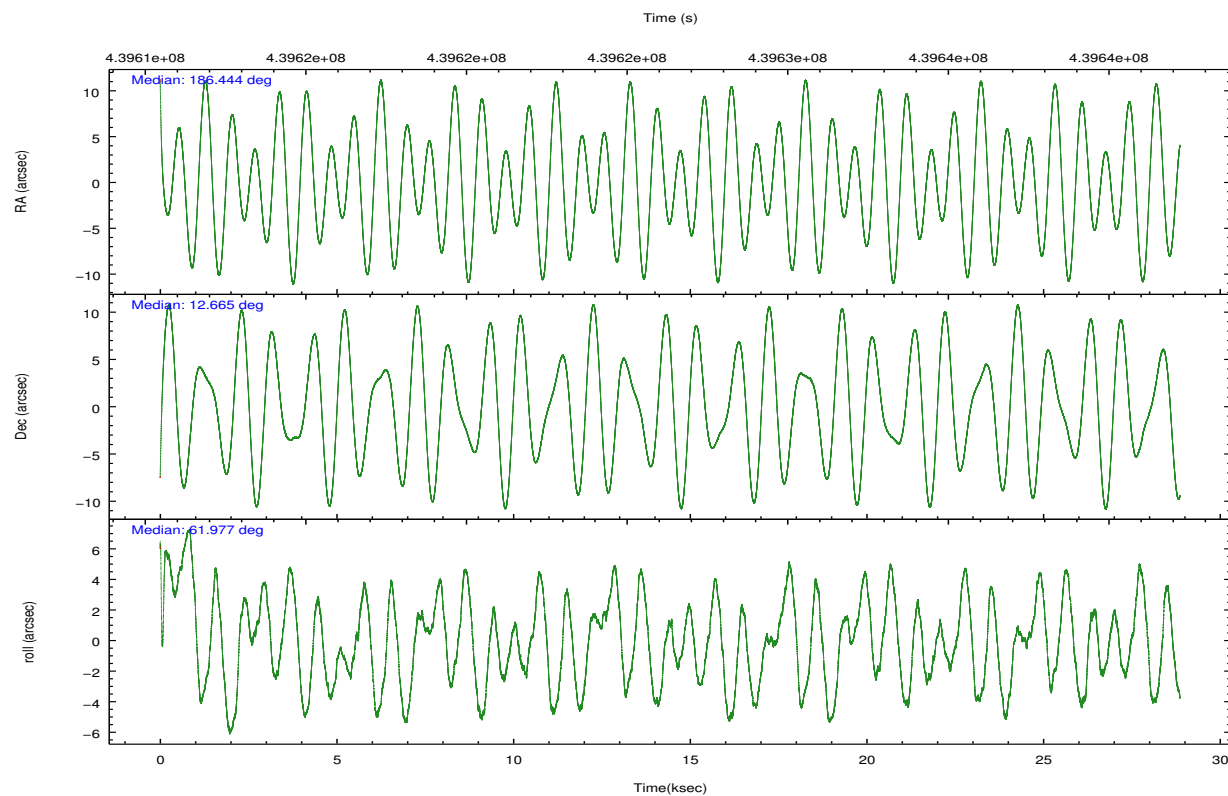
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	177342	160334	255234	171523	193749	211262	grade 0 events	10057	8615	18545	11623	12501	17880
rejected events	155376	140493	111842	146952	93468	151355		5%	5%	7%	6%	6%	8%
rejected %	87%	87%	43%	85%	48%	71%	grade 1 events	120	99	414	85	292	173
								0%	0%	0%	0%	0%	0%
							grade 2 events	4791	3992	44058	4685	21878	14302
								2%	2%	17%	2%	11%	6%
							grade 3 events	1871	1876	7341	2123	9192	6283
								1%	1%	2%	1%	4%	2%
							grade 4 events	1961	1979	7199	2023	9232	5776
								1%	1%	2%	1%	4%	2%
							grade 5 events	5676	6846	18287	6588	19278	10200
								3%	4%	7%	3%	9%	4%
							grade 6 events	3289	3382	66281	4122	47494	15690
								1%	2%	25%	2%	24%	7%
							grade 7 events	149577	133545	93109	140274	73882	140958
								84%	83%	36%	81%	38%	66%

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	186.444822	186.4434709634724	CCD I2 on	O4	Y
[deg] Pointing Dec	12.637491	12.66480704225084	CCD I3 on	O3	Y
[deg] Pointing Roll	61.830787	61.98772148082131	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O5	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	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)	439612763.184000	439610911.8447	CCD S5 on	N	N
Observation start date	2011-12-07T02:38:17	2011-12-07T02:08:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	439640763.184000	439641679.78382	On-chip summing requested	N	N
Observation end date	2011-12-07T10:24:57	2011-12-07T10:41:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



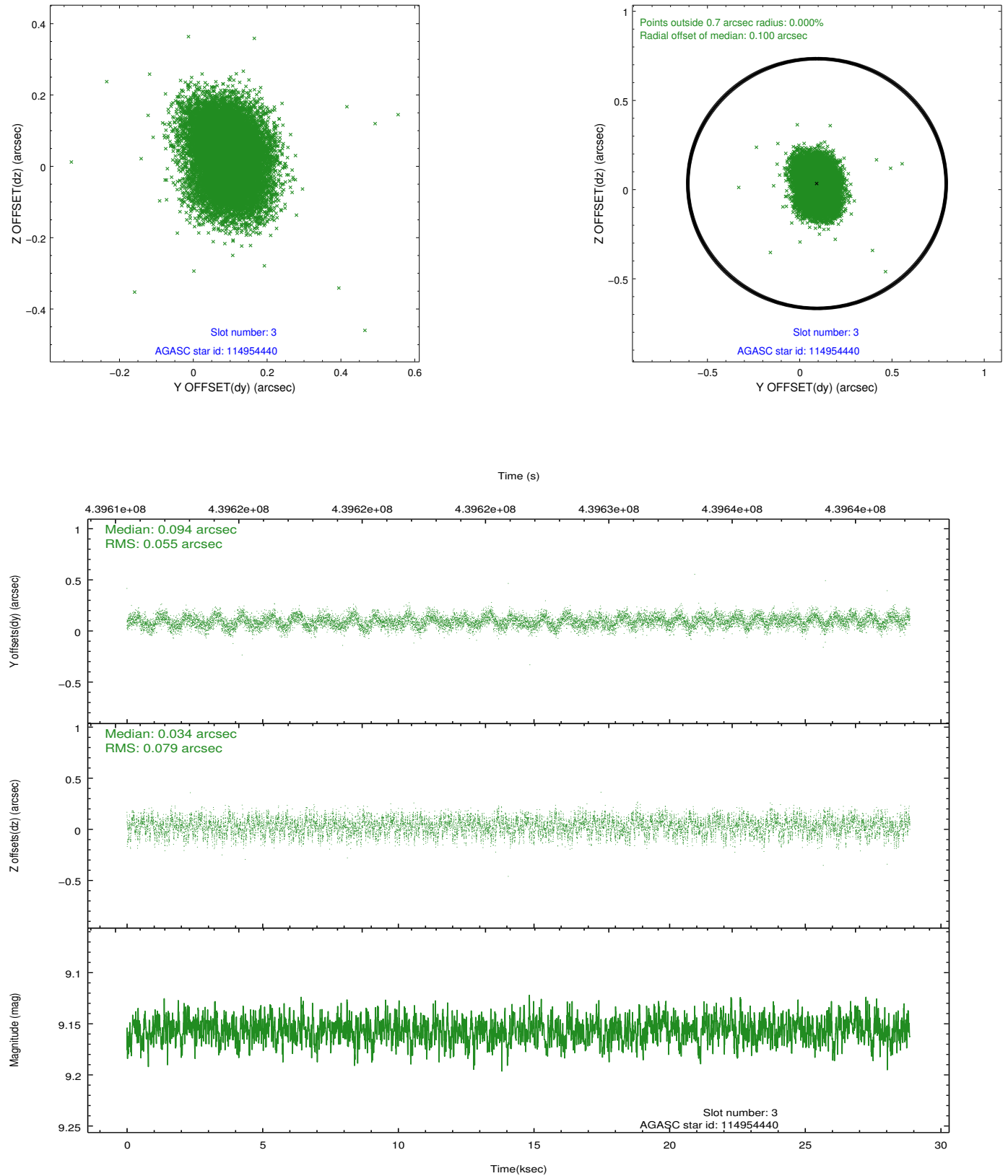


Slot Statistics

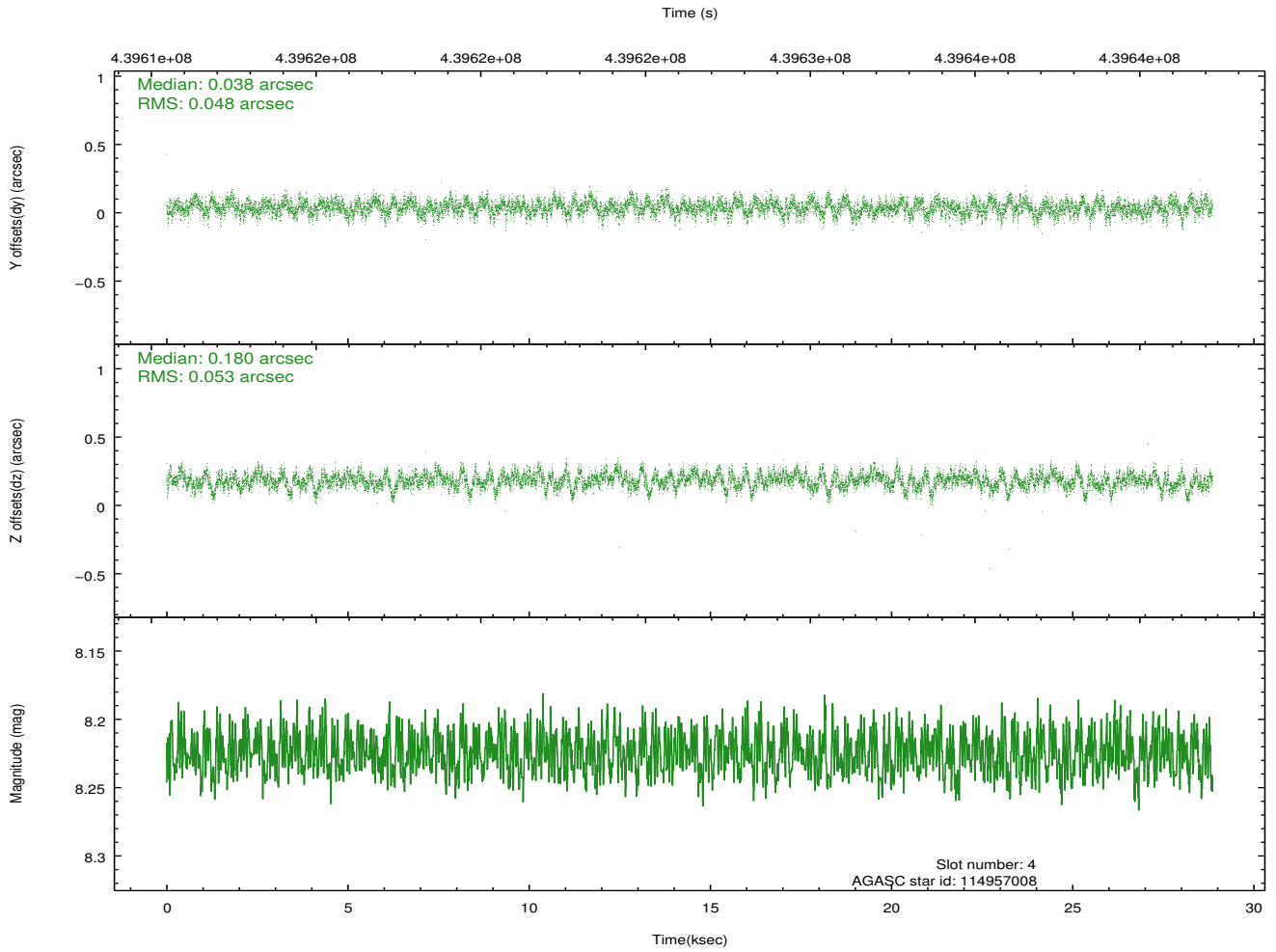
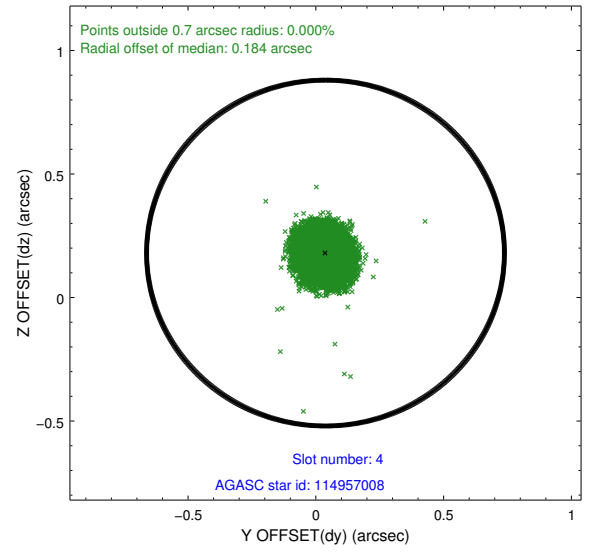
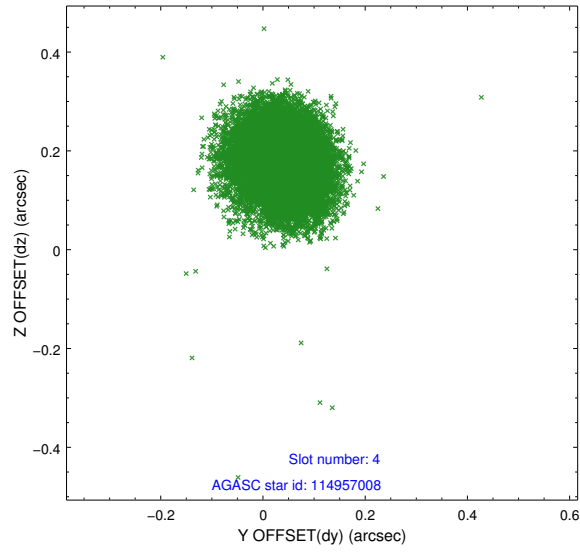
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	7041	-0.062	-0.028	0.018	0.027	0.000000	0.000000	-764.21	-1735.76
1	FID	ACIS-S-4	7.06	7041	0.186	0.037	0.009	0.018	0.000000	0.000000	2149.28	172.70
2	FID	ACIS-S-5	7.09	7041	-0.157	-0.001	0.016	0.025	0.000000	0.000000	-1817.03	166.44
3	GUIDE	114954440	9.16	14074	0.094	0.034	0.102	0.165	186.915066	12.219118	-544.46	-2169.77
4	GUIDE	114957008	8.23	14073	0.038	0.180	0.076	0.123	186.894794	12.099160	-959.44	-2309.85
5	GUIDE	115214648	9.06	14067	-0.156	-0.128	0.100	0.172	185.771147	12.685188	-963.41	2168.30
6	GUIDE	115215984	9.98	13982	-0.012	-0.380	0.252	0.379	186.134733	12.875031	240.15	1363.61
7	GUIDE	114951560	9.73	14069	0.050	0.281	0.229	0.351	186.766488	11.811262	-2085.89	-2402.40

2.4 Star Slots

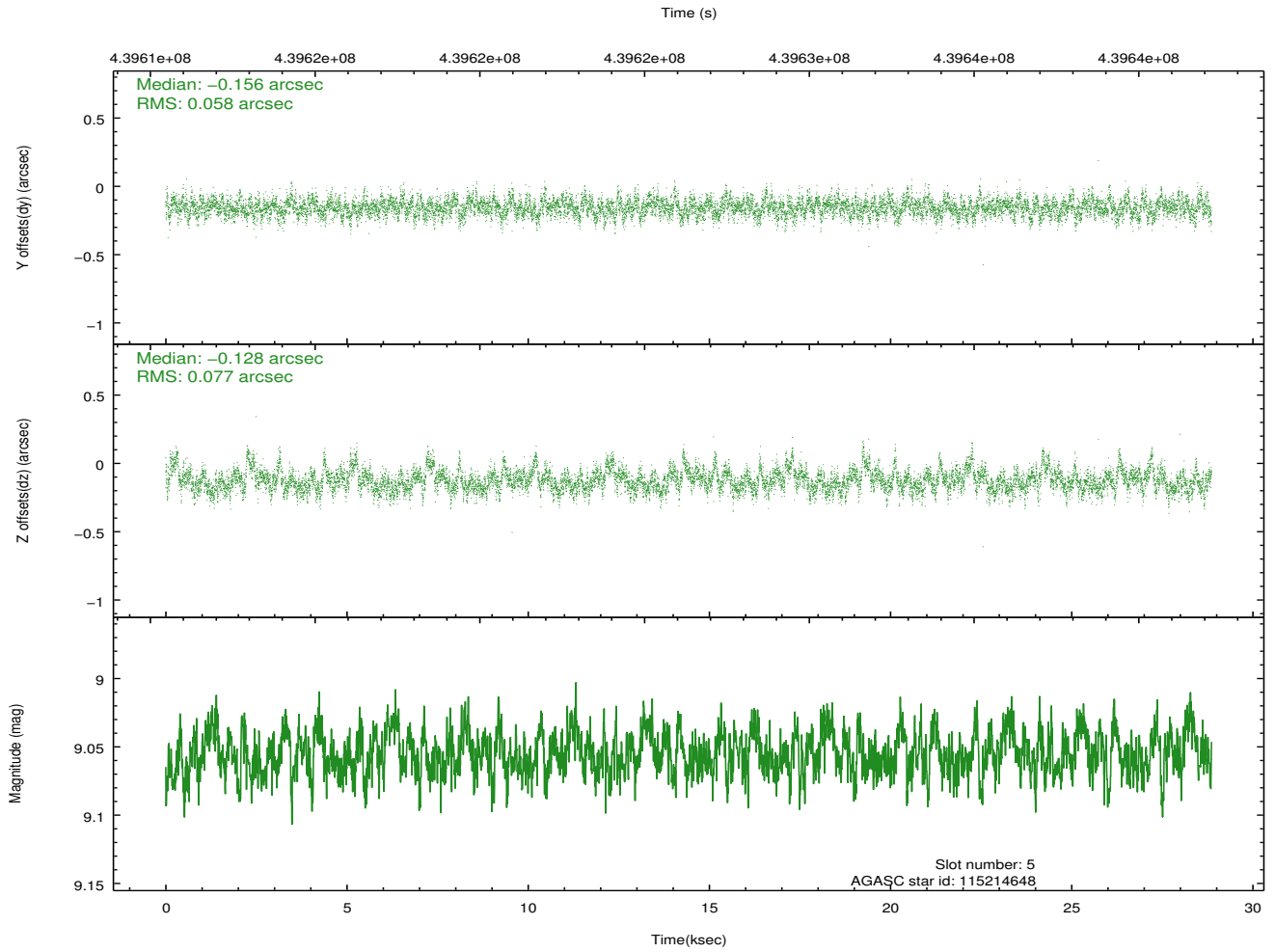
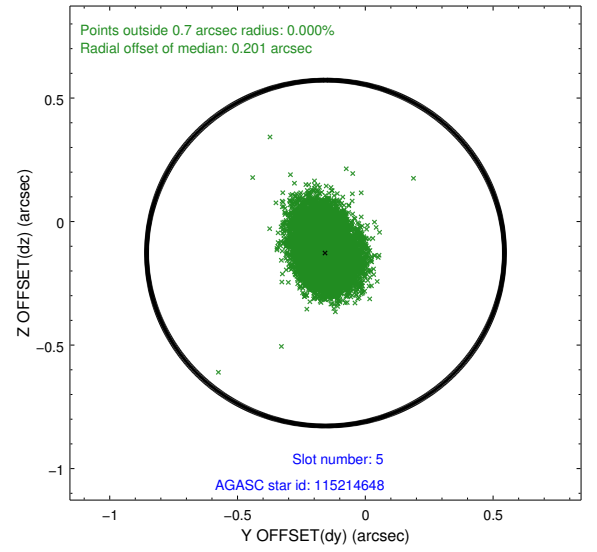
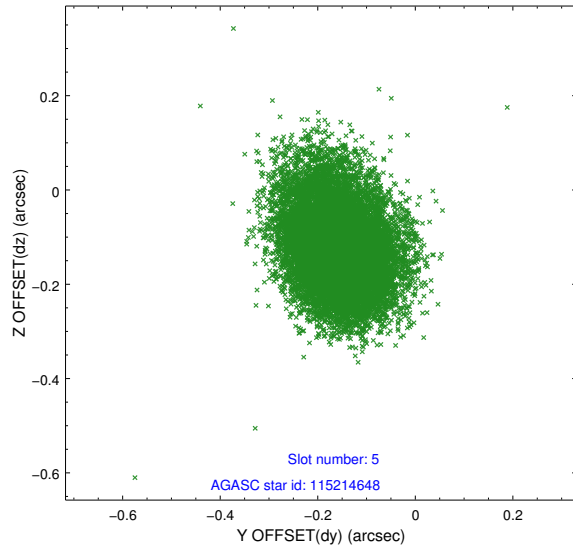
2.4.1 Slot 3



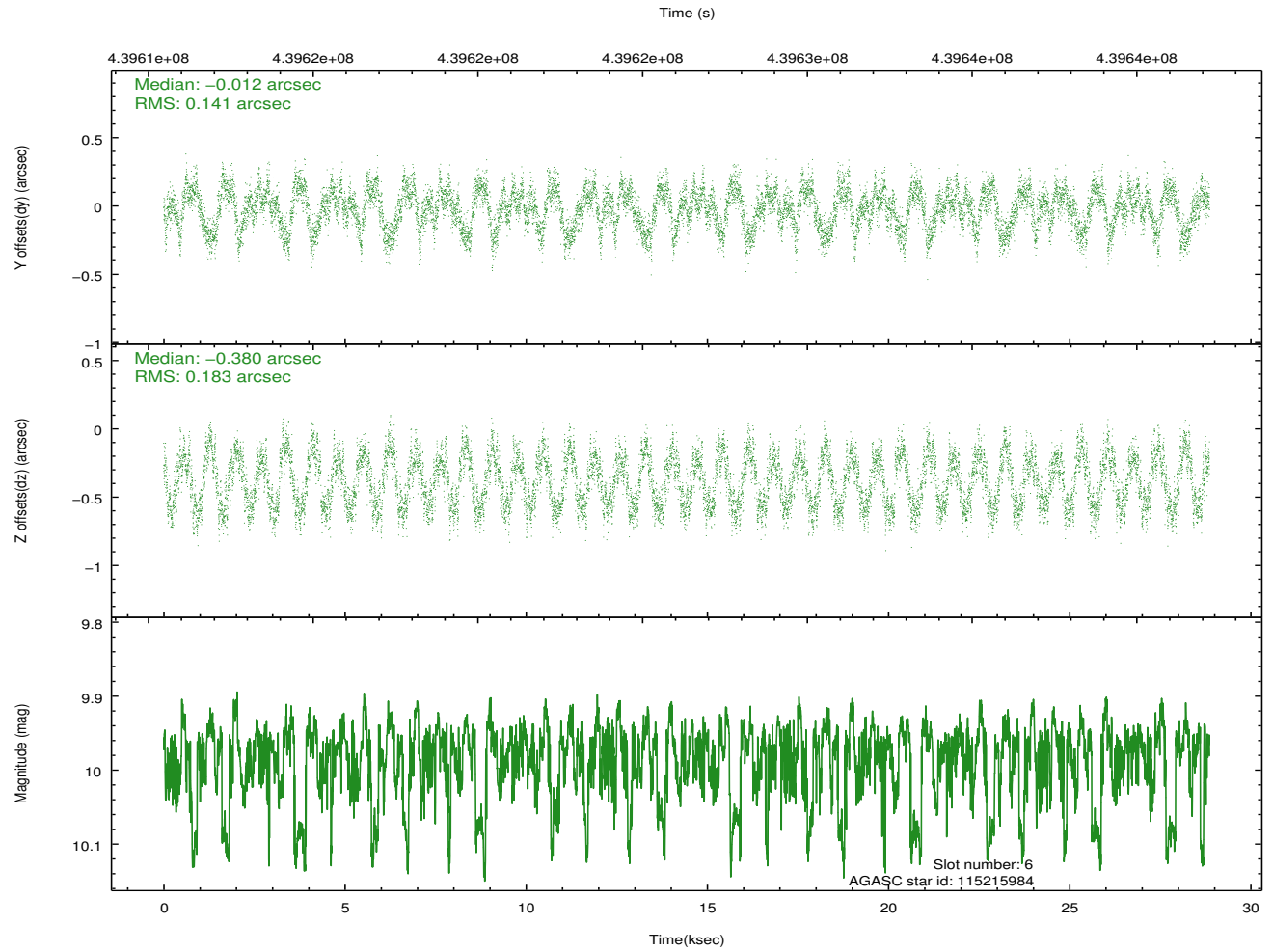
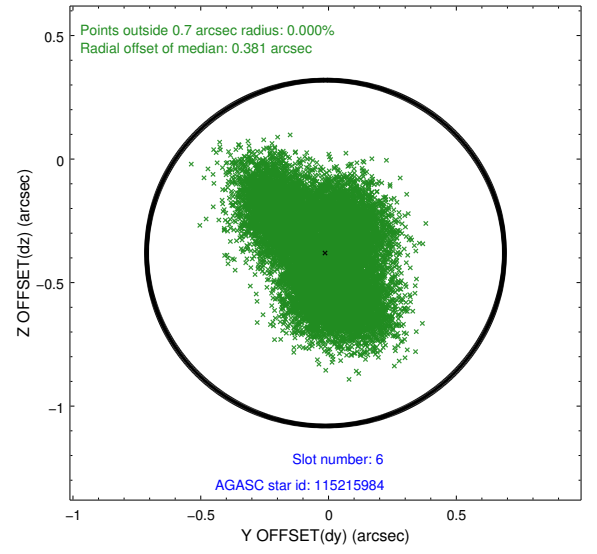
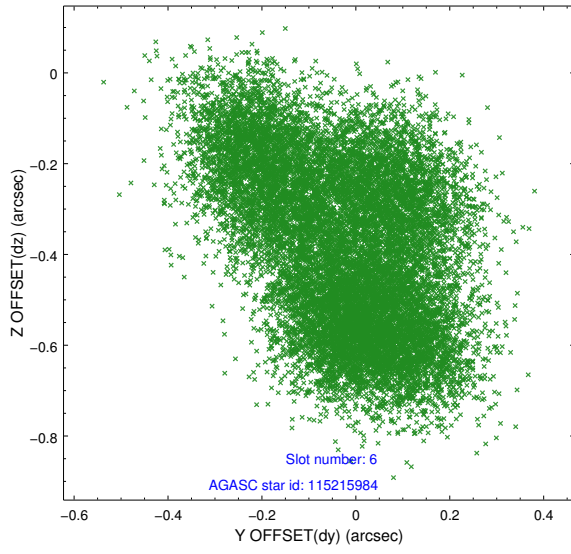
2.4.2 Slot 4



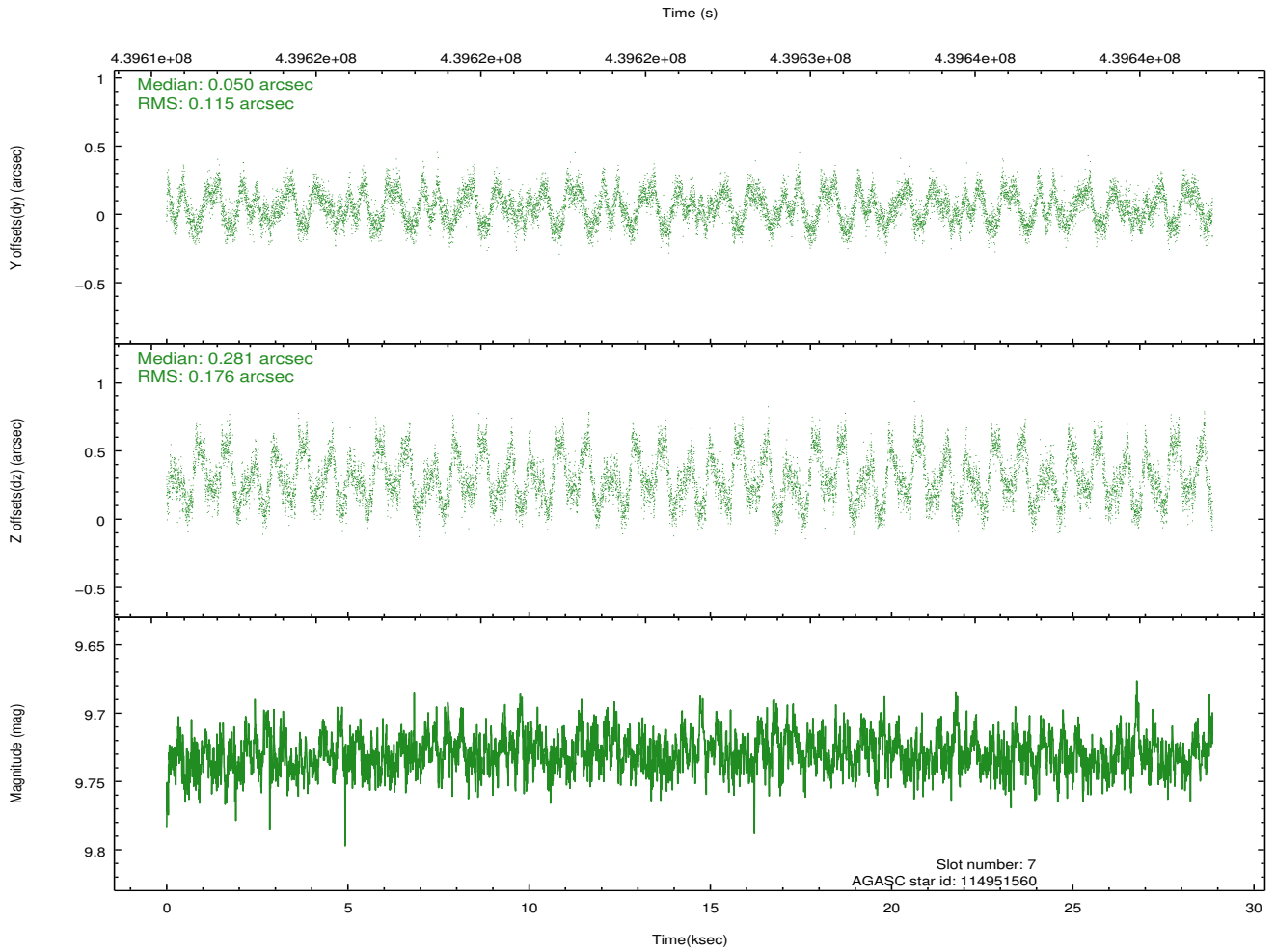
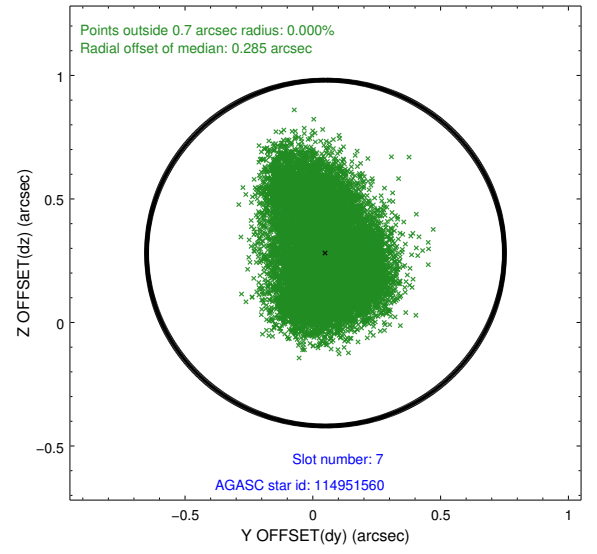
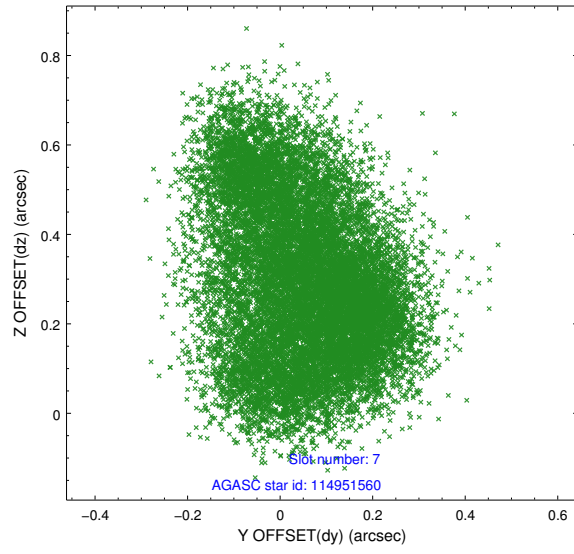
2.4.3 Slot 5



2.4.4 Slot 6

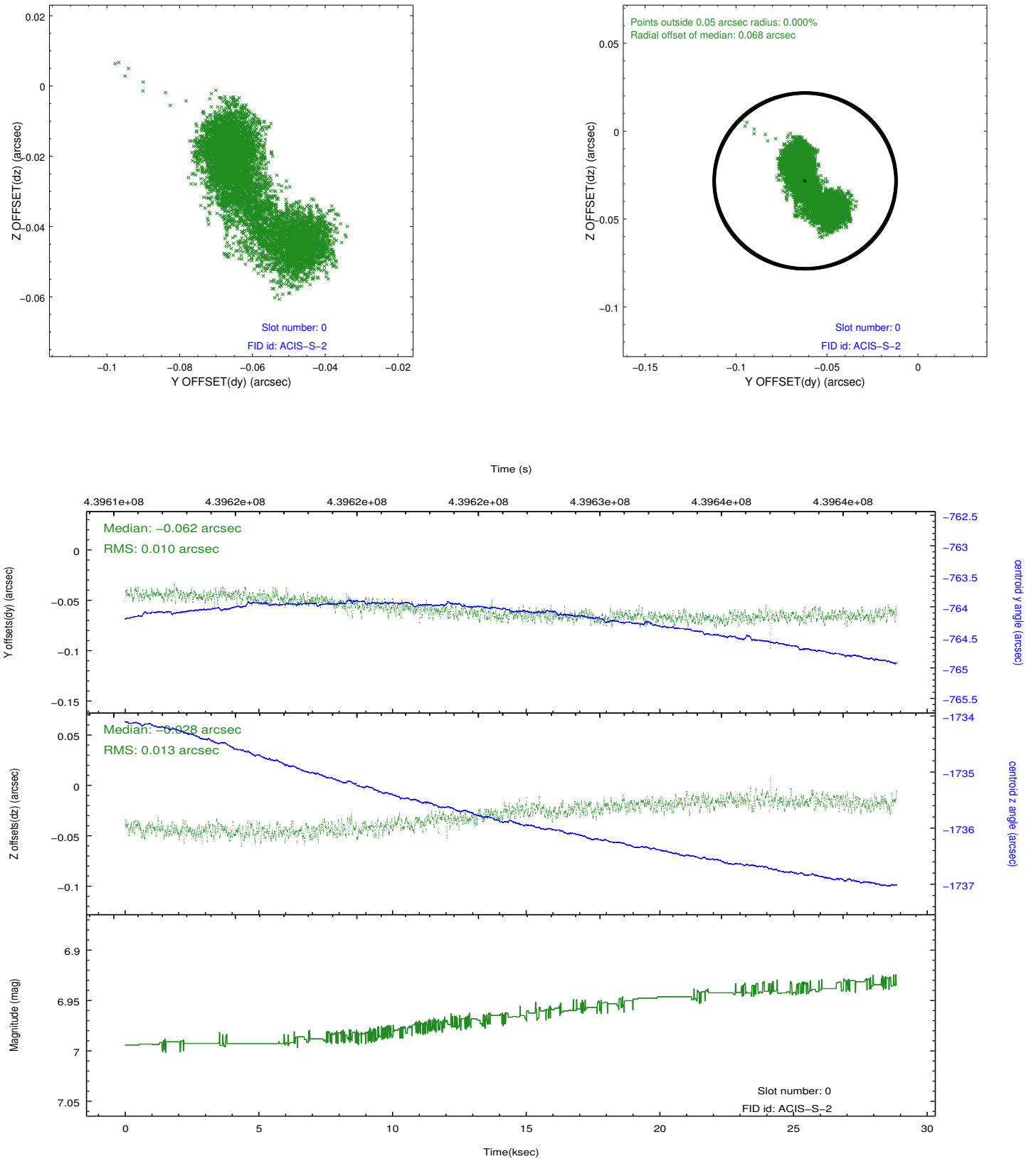


2.4.5 Slot 7

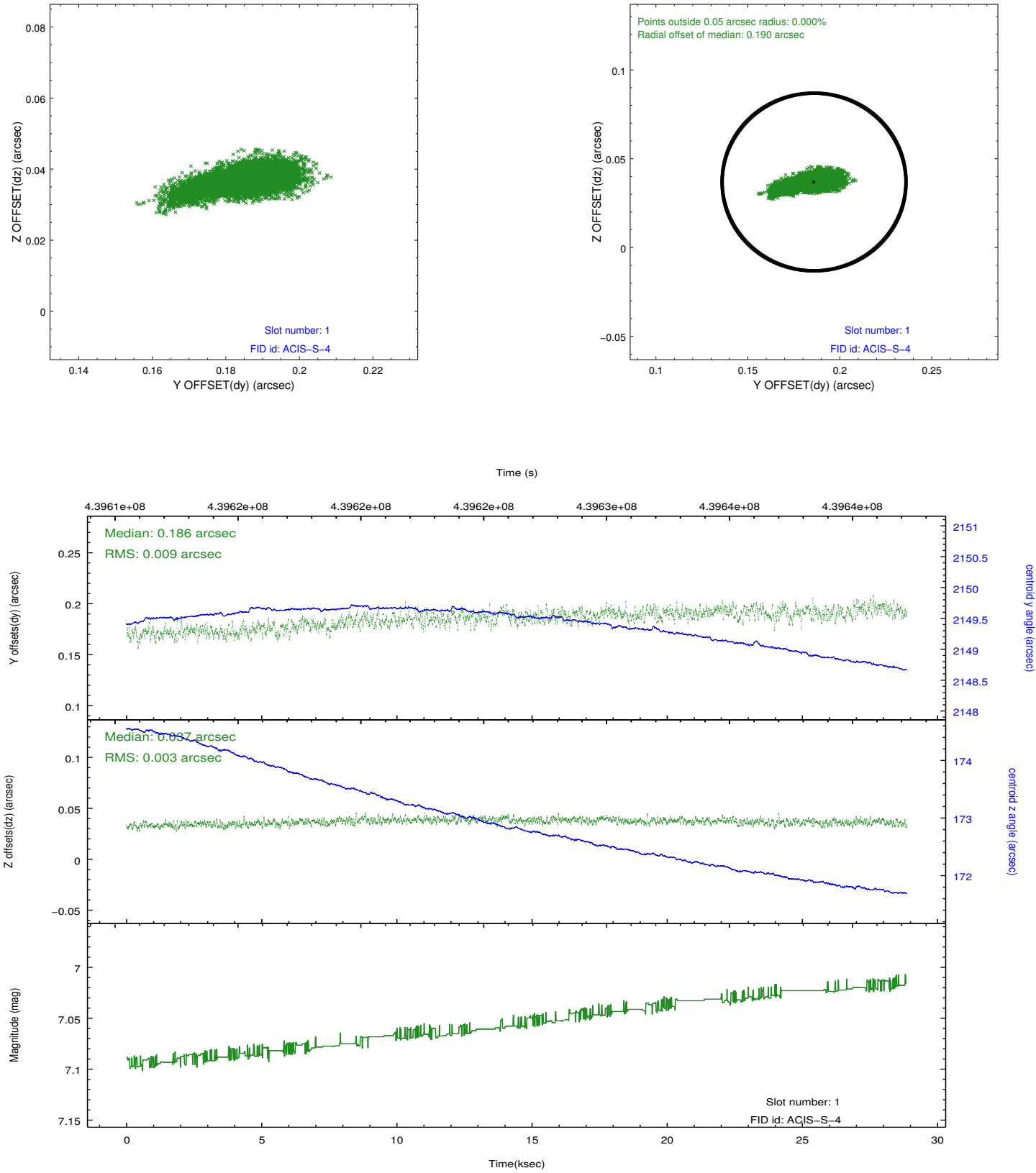


2.5 FID Slots

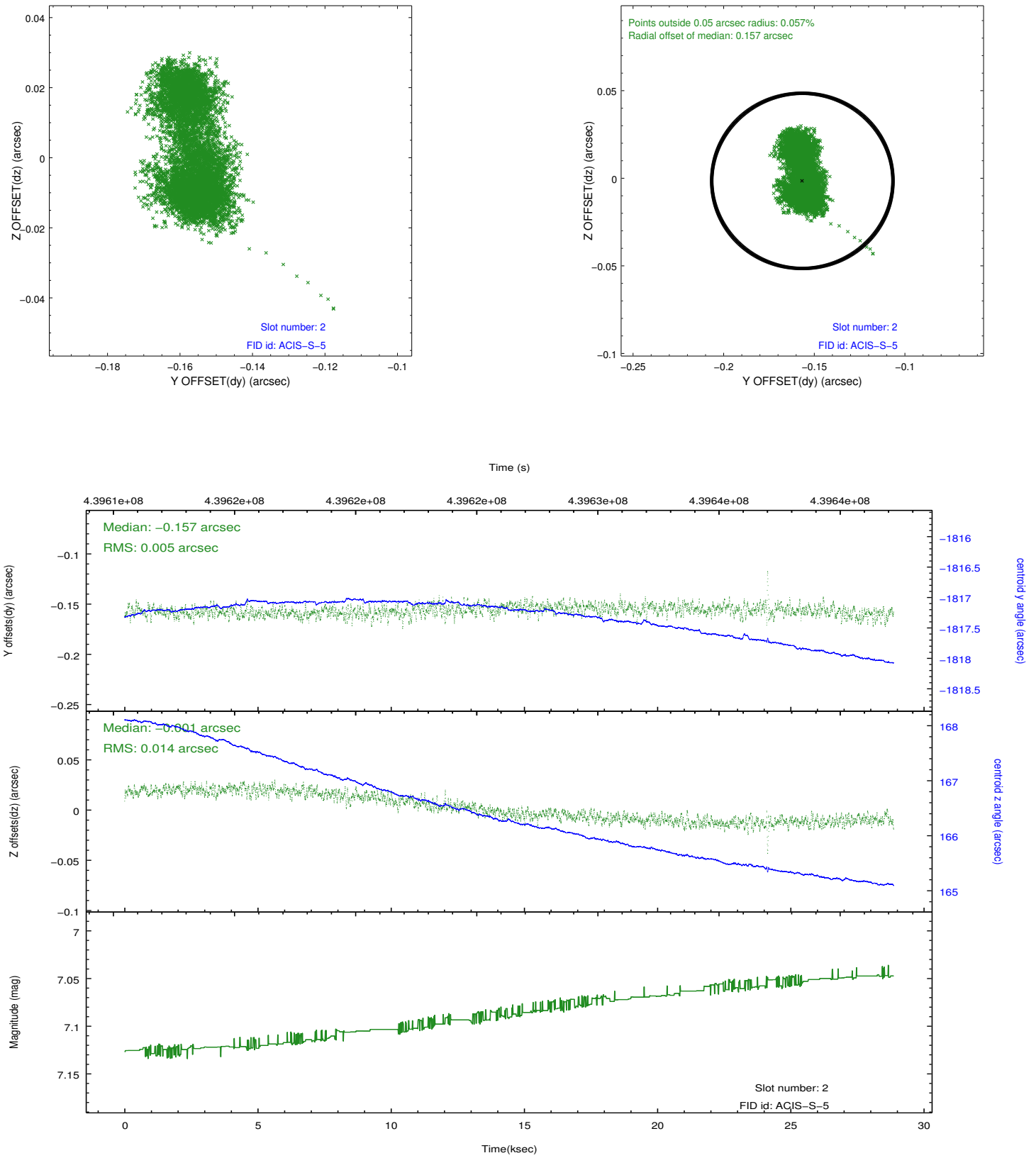
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.95713898921

A.2 Comments

Joint Proposal: HST