

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12800 - L2 Version 2
Chandra X-Ray Center

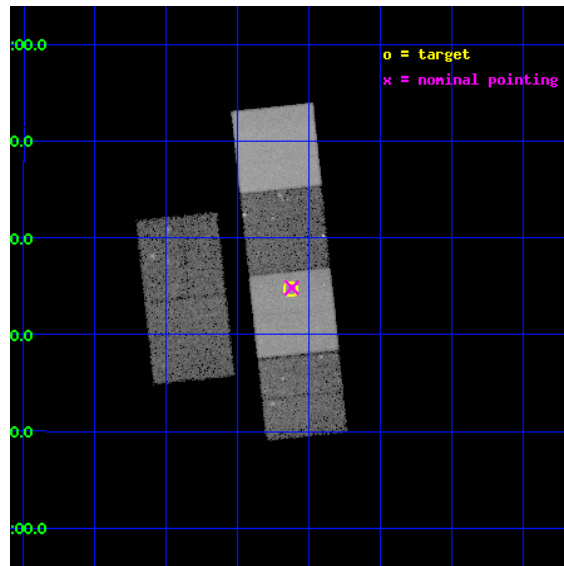
L2 Processing Date : Feb 25 2012

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1 Front

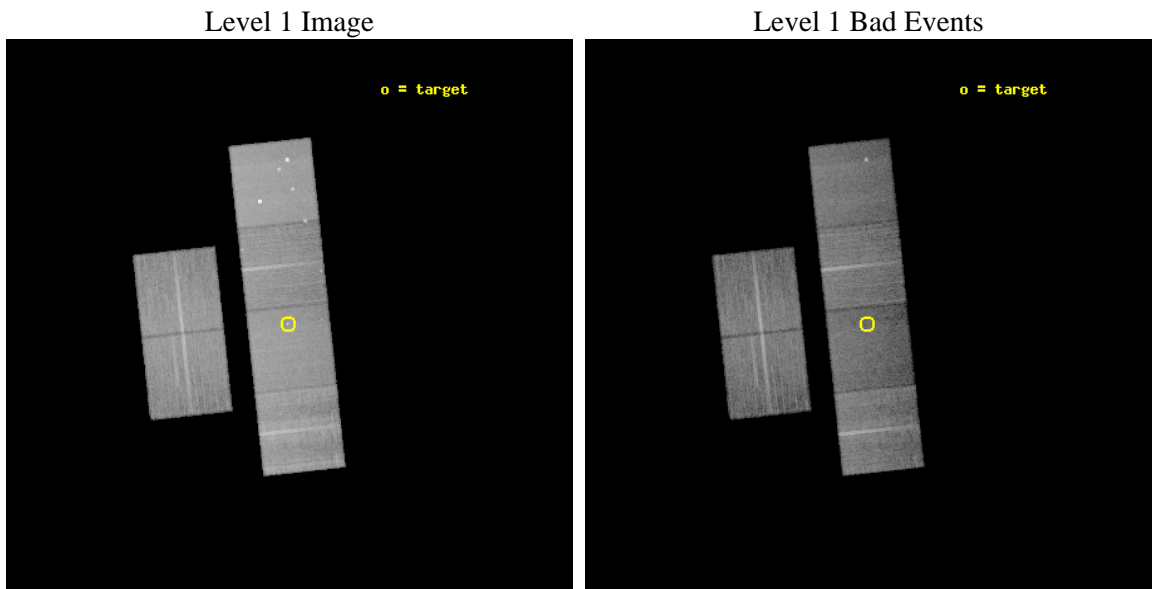
seq_num	702436	Sequence number
obs_id	12800	Observation id
title	Direct Determination of Dark Matter Fractions and M/L in Elliptical Galaxies	Proposal title
observer	David Pooley	Principal investigator
object	MG0414+0534	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	63.657083	Observer's specified target RA [deg]
dec_targ	5.578639	Observer's specified target Dec [deg]
ra_nom	63.654716053143	Nominal RA [deg]
dec_nom	5.5805322102983	Nominal Dec [deg]
roll_nom	83.860096648197	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30054.399888098	Sum of GTIs [s]
livetime	29673.832980128	Livetime [s]
ontime2	30054.399888098	Sum of GTIs [s]
ontime3	30054.399888098	Sum of GTIs [s]
ontime5	30054.399888098	Sum of GTIs [s]
ontime6	30054.399888098	Sum of GTIs [s]
ontime7	30054.399888098	Sum of GTIs [s]
ontime8	30054.399888098	Sum of GTIs [s]
l2events	265976	Number of level 2 events



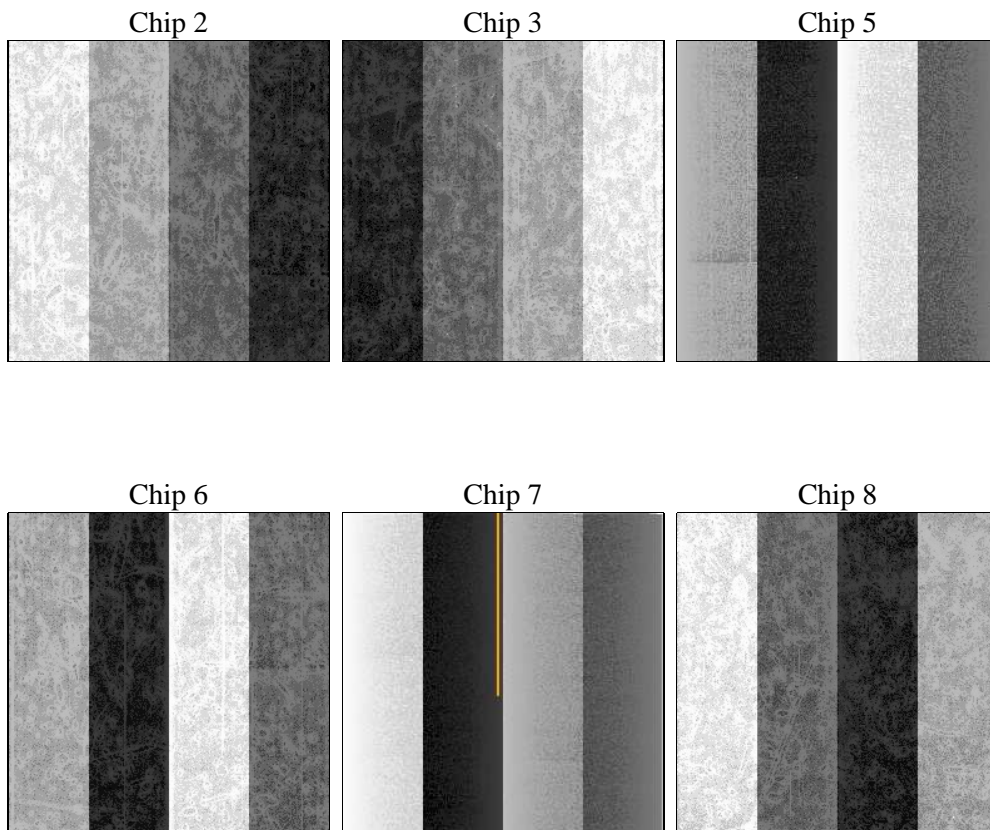
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	30054.399888098	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	30054.399888098	Sum of GTIs [s]
date	2012-02-25T03:27:02	Date and time of file creation	ontime3	30054.399888098	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	30054.399888098	Sum of GTIs [s]
			ontime6	30054.399888098	Sum of GTIs [s]
			ontime7	30054.399888098	Sum of GTIs [s]
			ontime8	30054.399888098	Sum of GTIs [s]
			l1events	1104211	Number of level 1 events

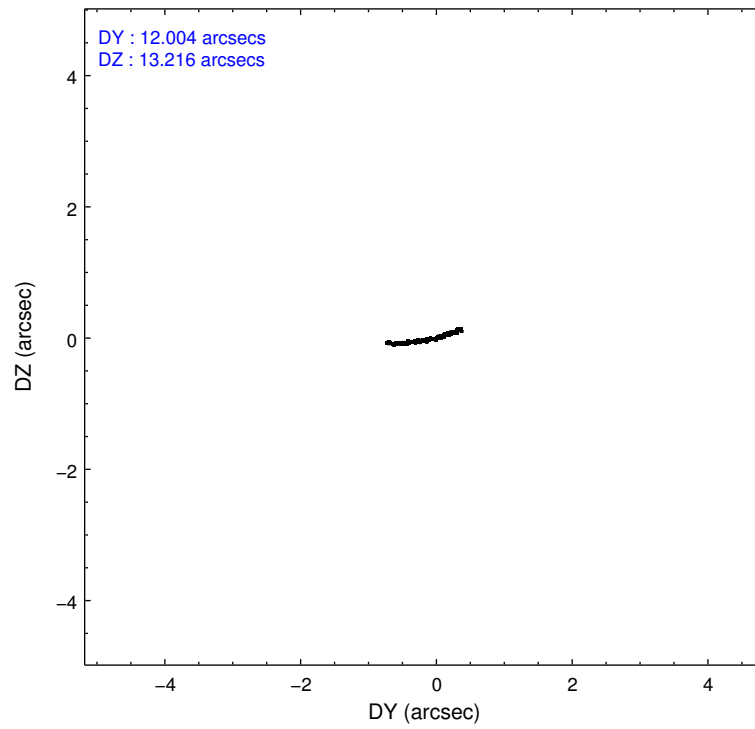
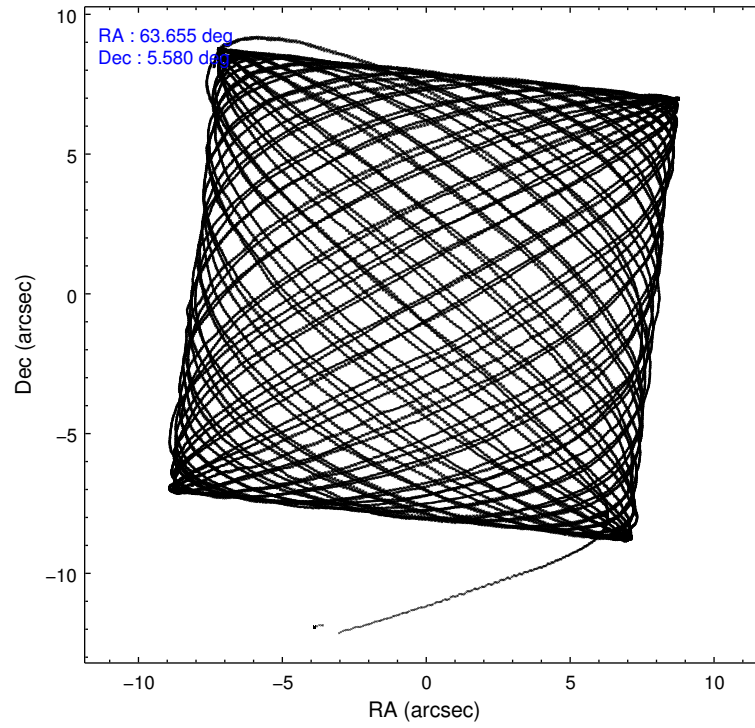
2.1.4 Events

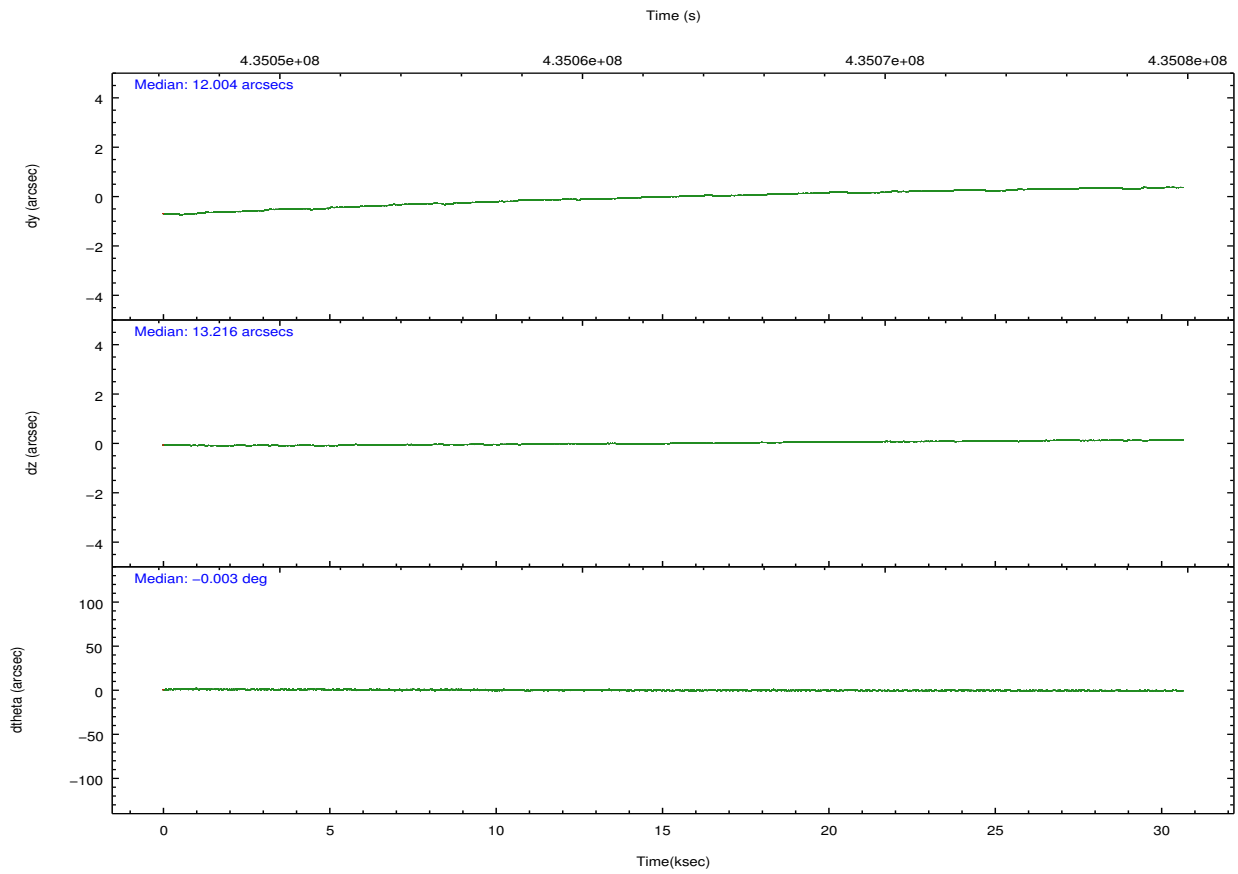
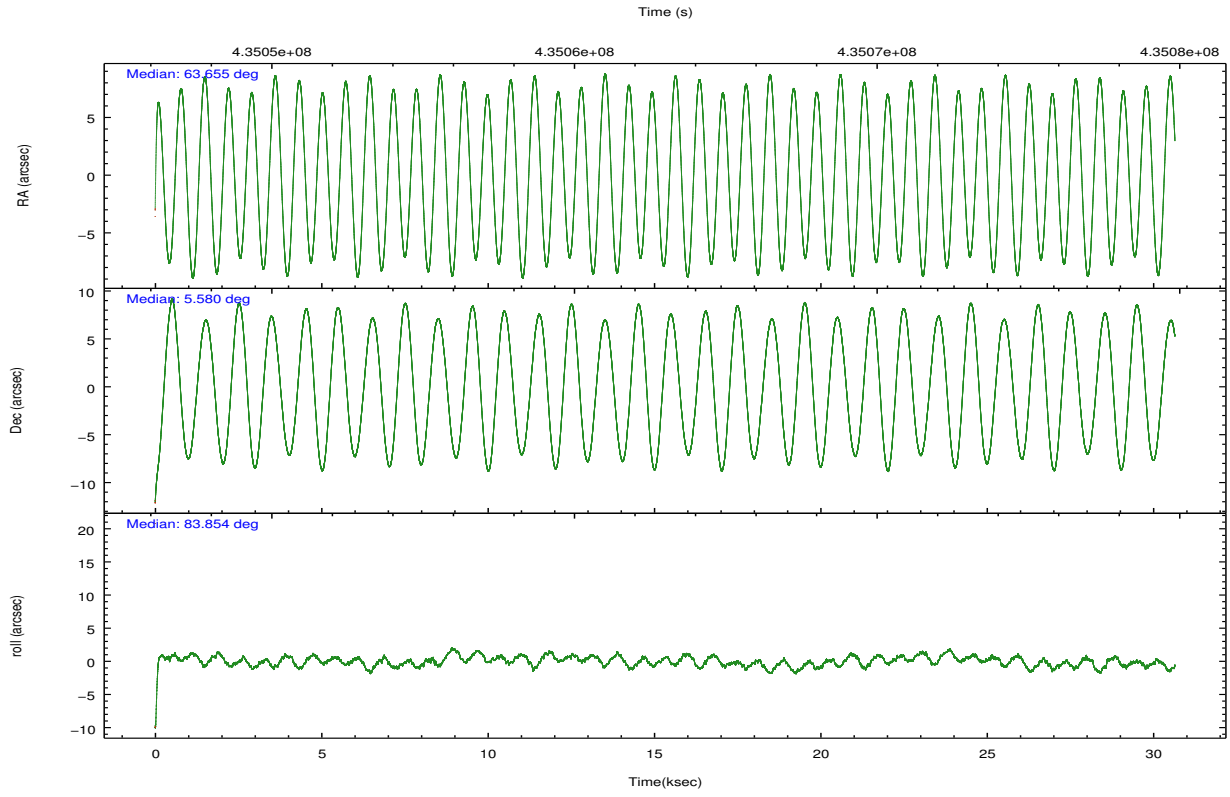
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	160503	153932	246878	157918	183071	201909	grade 0 events	6755	6136	20404	7292	8922	16138
rejected events	142301	137103	113837	138412	94674	145494		4%	3%	8%	4%	4%	7%
rejected %	88%	89%	46%	87%	51%	72%	grade 1 events	83	92	520	87	299	151
								0%	0%	0%	0%	0%	0%
							grade 2 events	4390	3839	40269	4259	18836	13645
								2%	2%	16%	2%	10%	6%
							grade 3 events	1838	1801	4639	1983	8055	5951
								1%	1%	1%	1%	4%	2%
							grade 4 events	1927	1826	4574	1932	7809	5618
								1%	1%	1%	1%	4%	2%
							grade 5 events	6111	6813	18238	6698	19345	10408
								3%	4%	7%	4%	10%	5%
							grade 6 events	3295	3230	63181	4043	44787	15068
								2%	2%	25%	2%	24%	7%
							grade 7 events	136104	130195	95053	131624	75018	134930
								84%	84%	38%	83%	40%	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	63.666167	63.6547160531433	CCD I2 on	O1	Y
[deg] Pointing Dec	5.555678	5.580532210298294	CCD I3 on	O2	Y
[deg] Pointing Roll	83.702367	83.86009664819747	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	435048320.184000	435047071.12967	CCD S5 on	N	N
Observation start date	2011-10-15T06:44:14	2011-10-15T06:24:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	435078320.184000	435079292.51886	On-chip summing requested	N	N
Observation end date	2011-10-15T15:04:14	2011-10-15T15:21:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





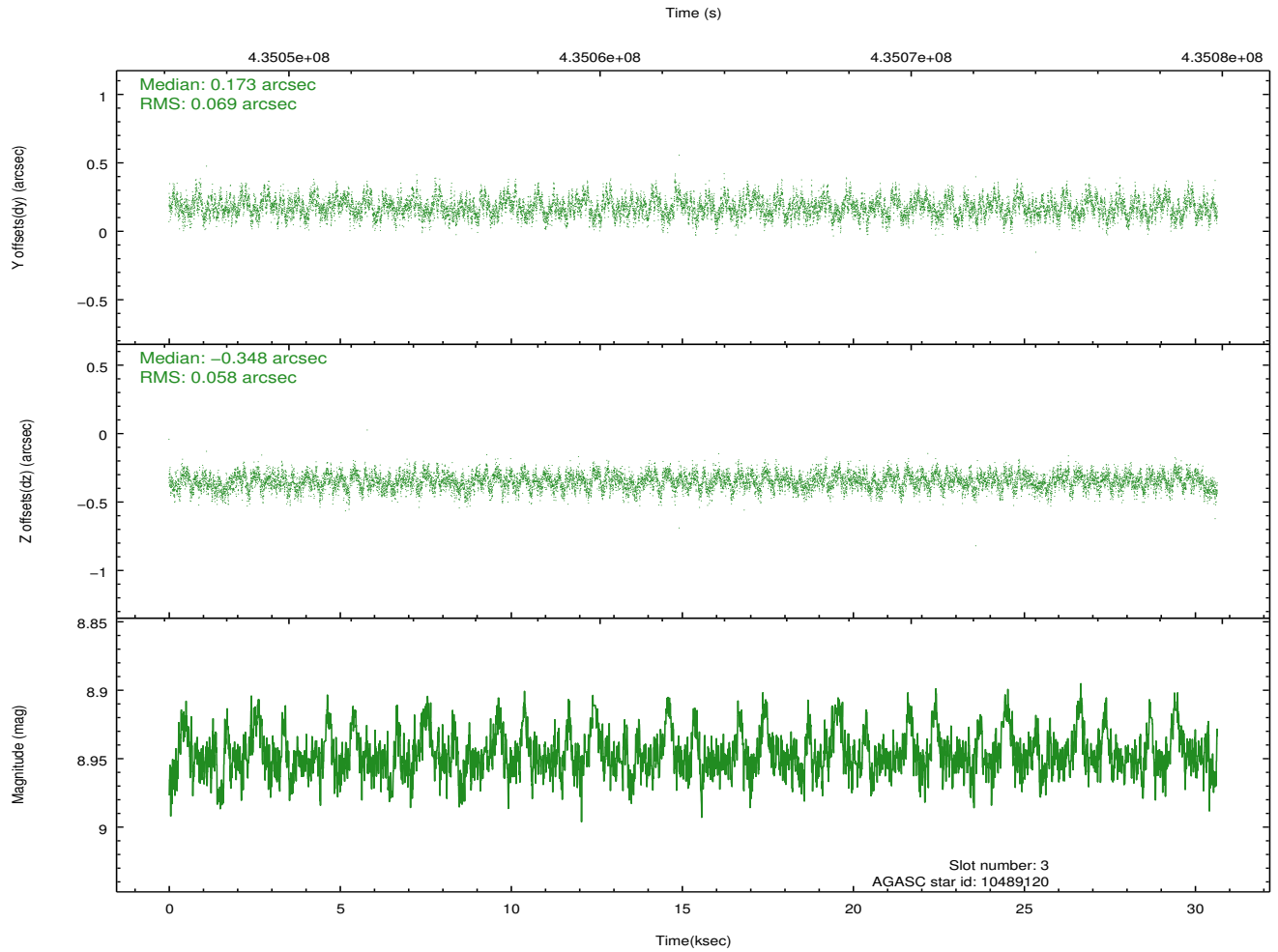
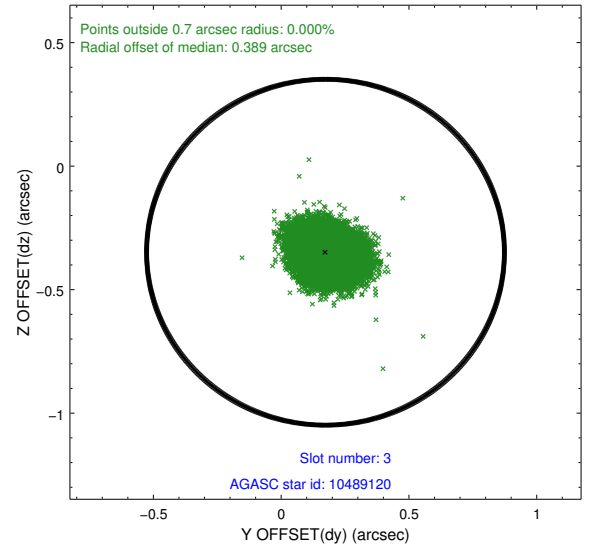
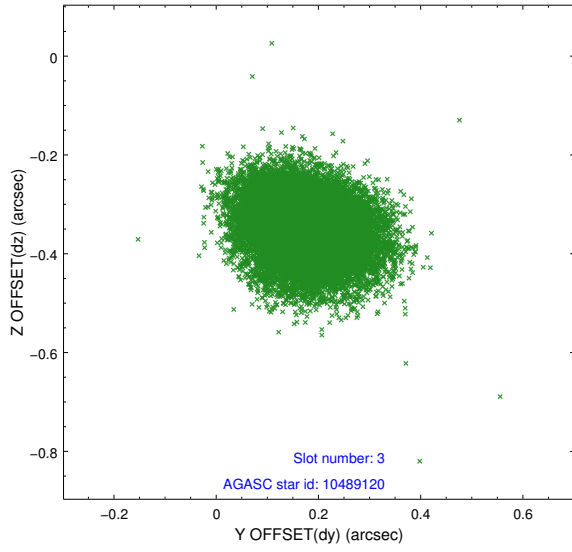
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	7476	-0.038	-0.054	0.008	0.013	0.000000	0.000000	-764.89	-1734.60
1	FID	ACIS-S-4	7.04	7476	0.189	0.033	0.008	0.014	0.000000	0.000000	2148.61	173.86
2	FID	ACIS-S-5	7.08	7475	-0.183	0.030	0.013	0.020	0.000000	0.000000	-1817.76	167.65
3	GUIDE	10489120	8.95	14947	0.173	-0.348	0.097	0.154	63.037180	5.195794	-1535.53	2099.27
4	GUIDE	10492336	7.01	14951	-0.011	-0.178	0.063	0.104	63.181049	5.030869	-2068.22	1522.18
5	GUIDE	10493872	9.41	14929	0.181	0.157	0.117	0.192	63.703184	5.387990	-585.28	-197.57
6	GUIDE	10492272	6.91	14950	-0.043	0.280	0.071	0.112	64.297548	5.024571	-1650.86	-2459.74
7	GUIDE	10492752	6.48	14950	-0.304	0.093	0.059	0.102	63.869998	6.186863	2337.11	-474.25

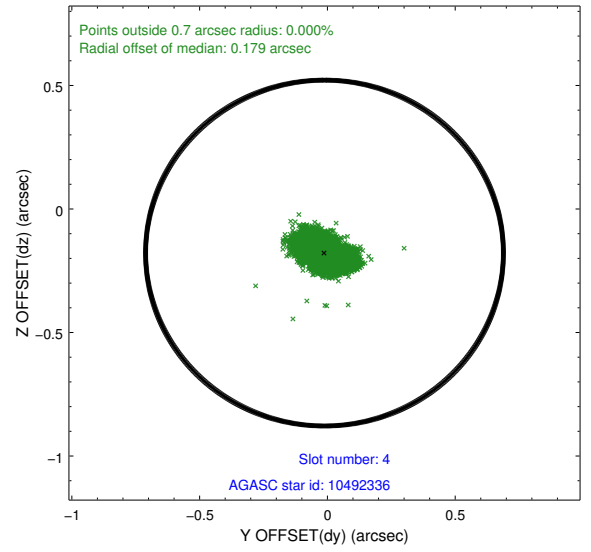
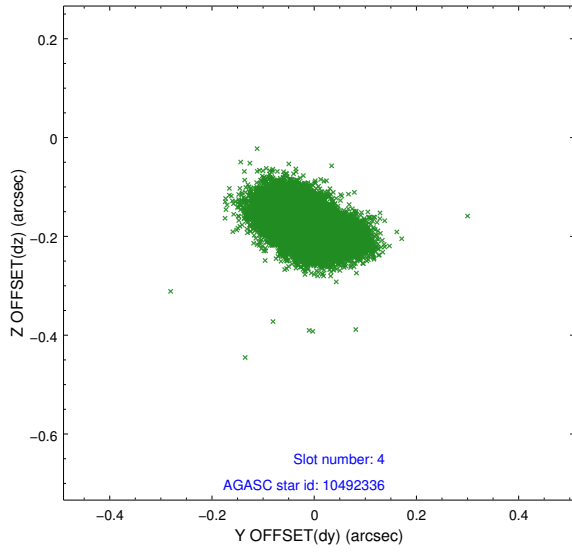
∞

2.4 Star Slots

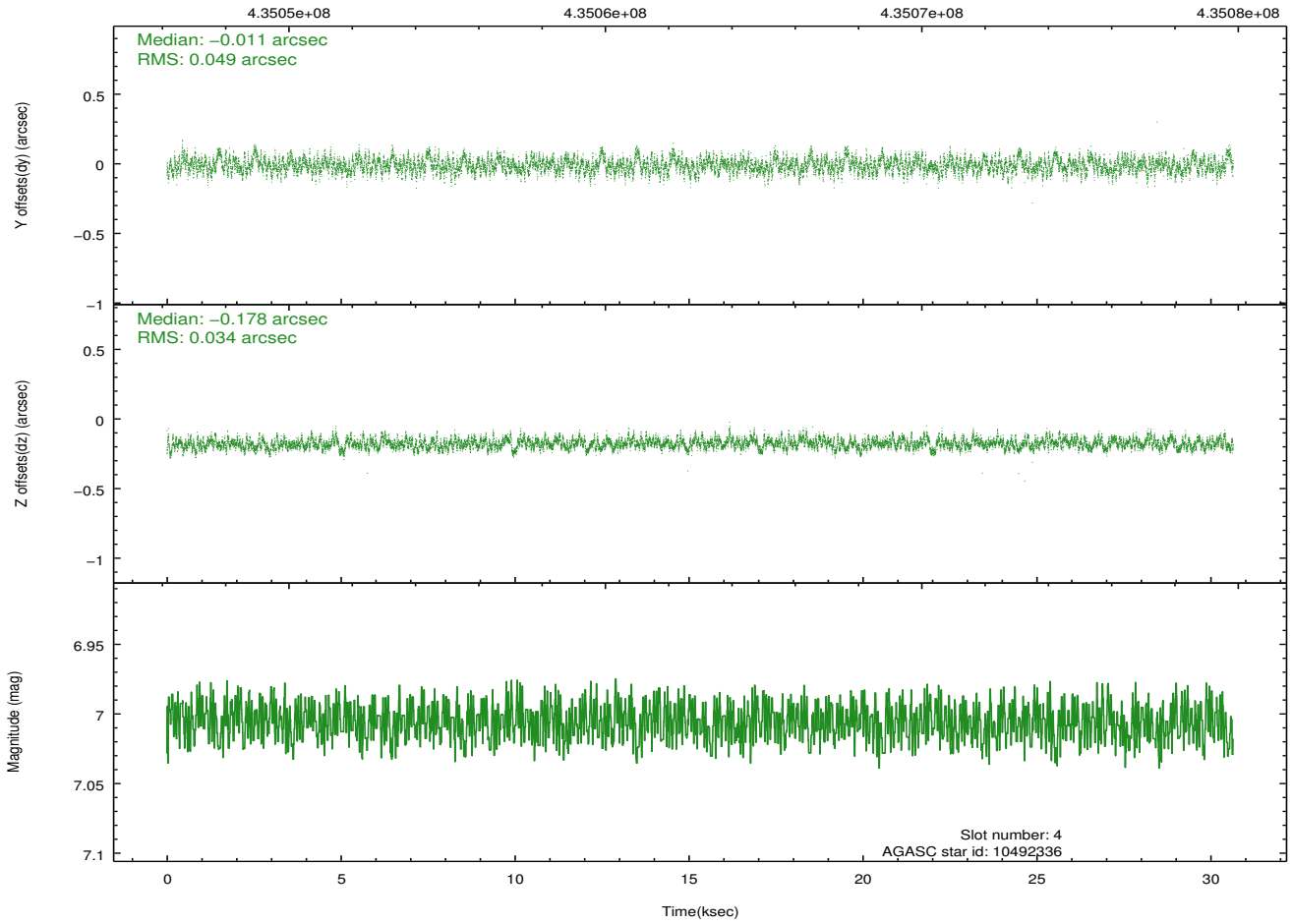
2.4.1 Slot 3



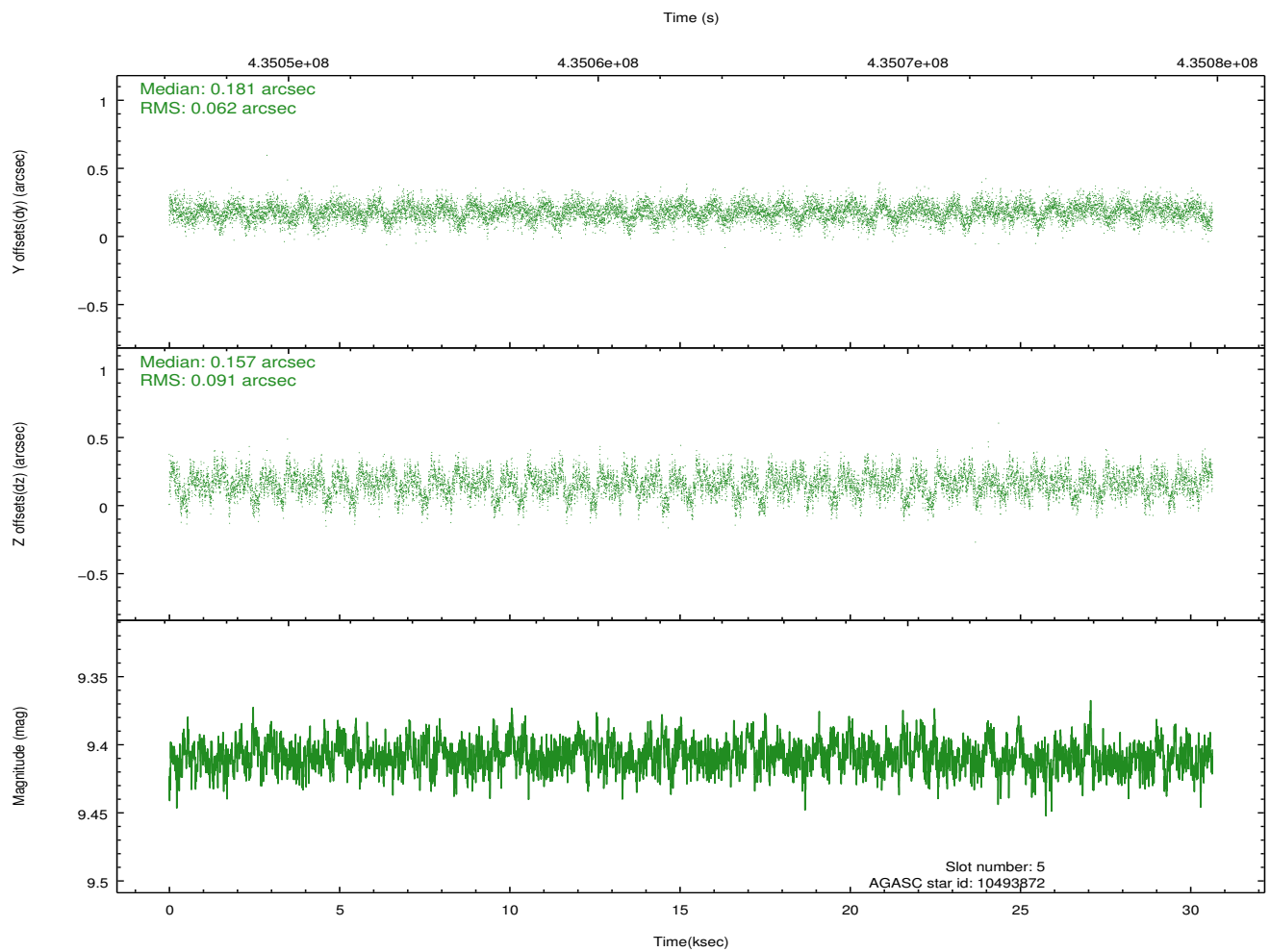
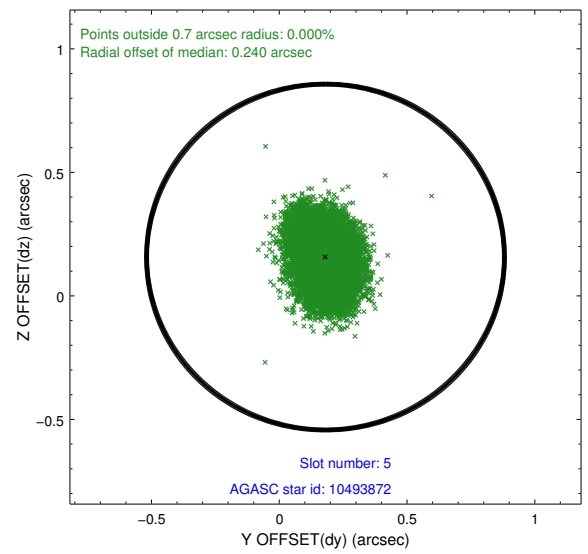
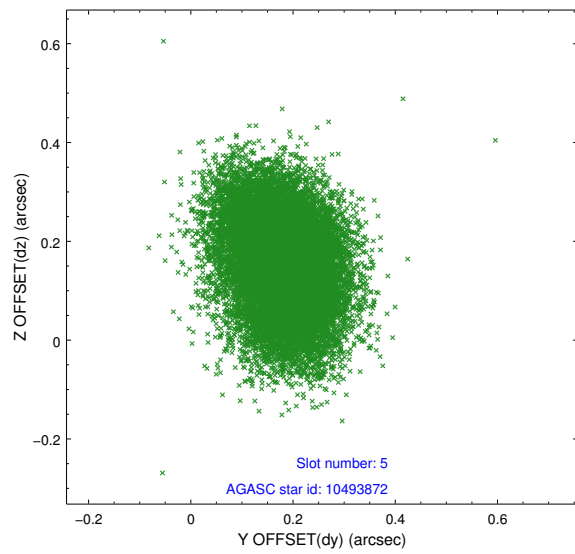
2.4.2 Slot 4



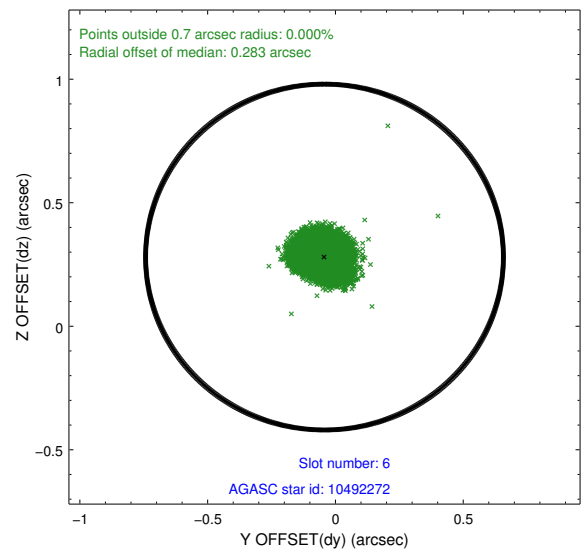
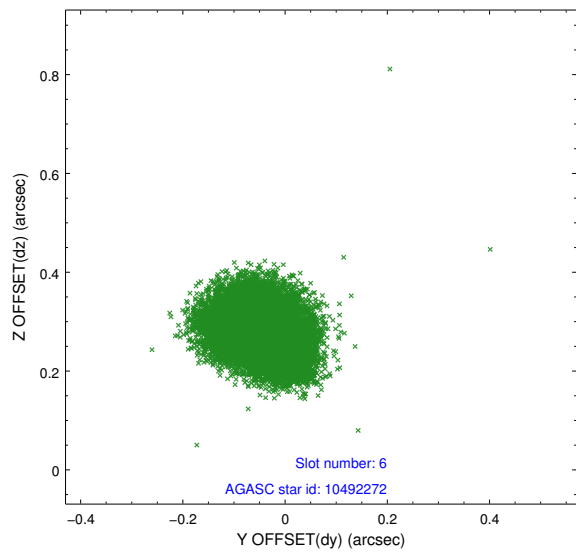
Time (s)



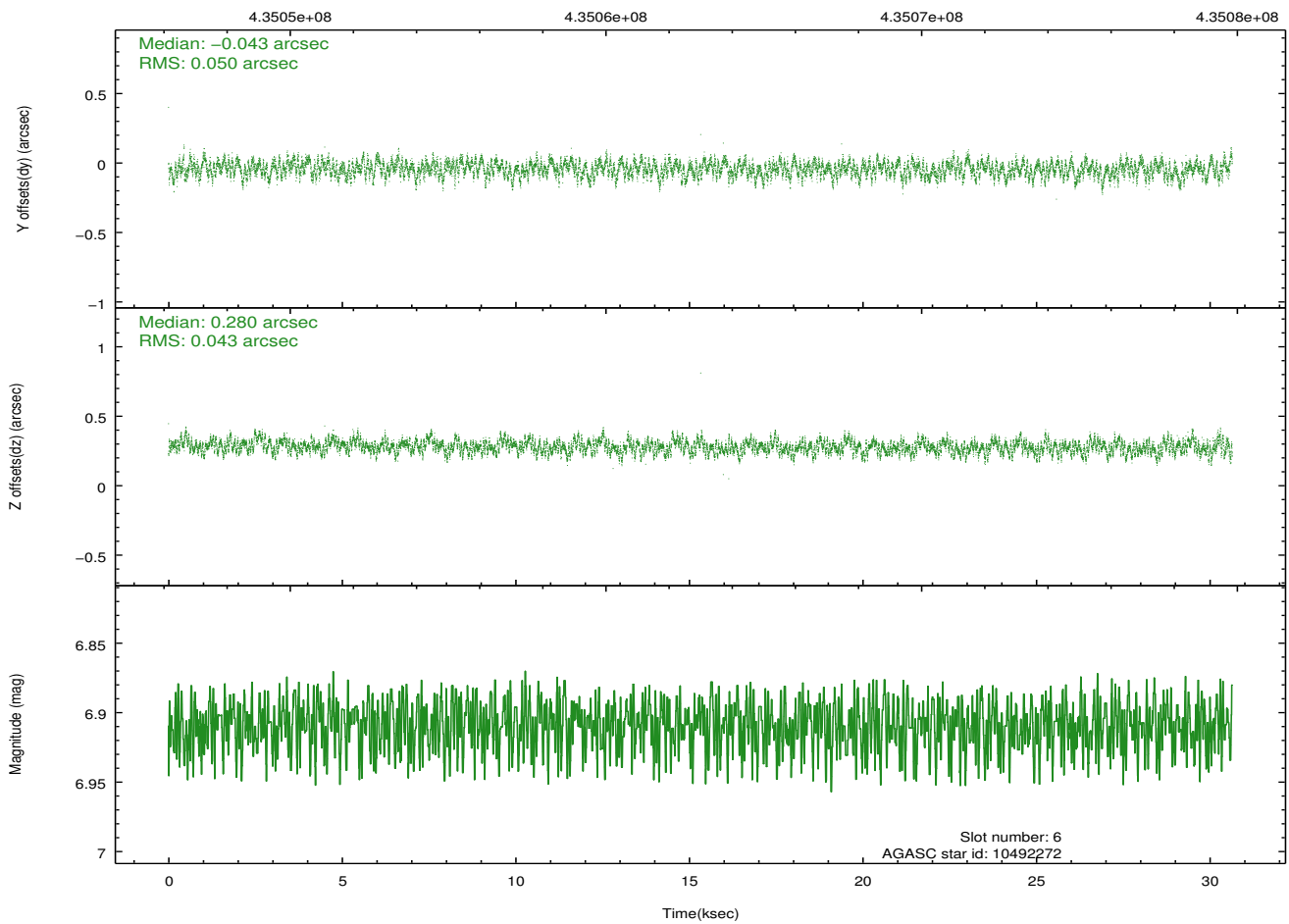
2.4.3 Slot 5



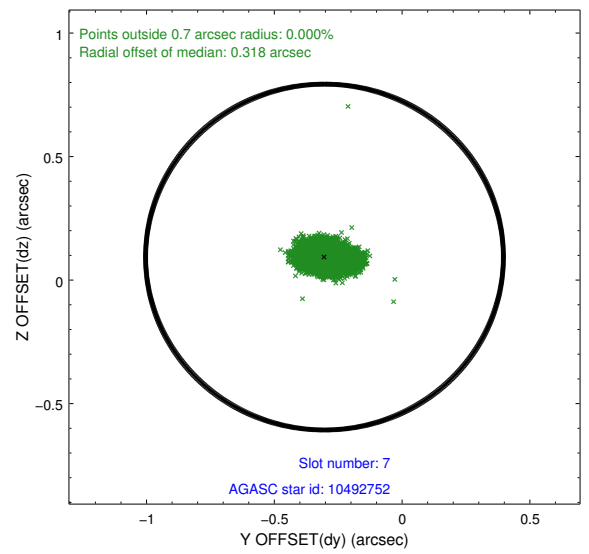
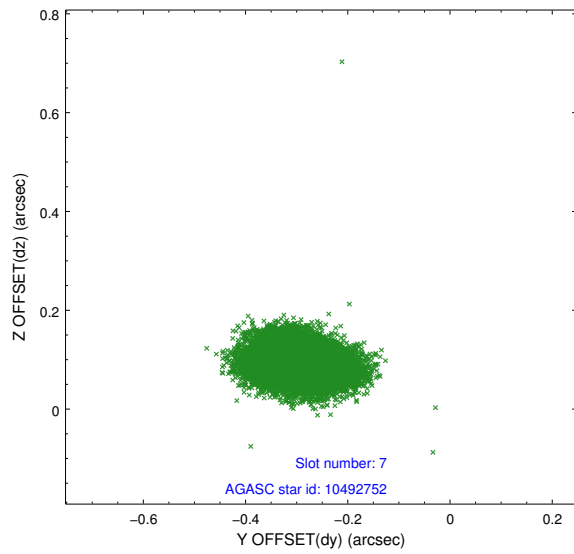
2.4.4 Slot 6



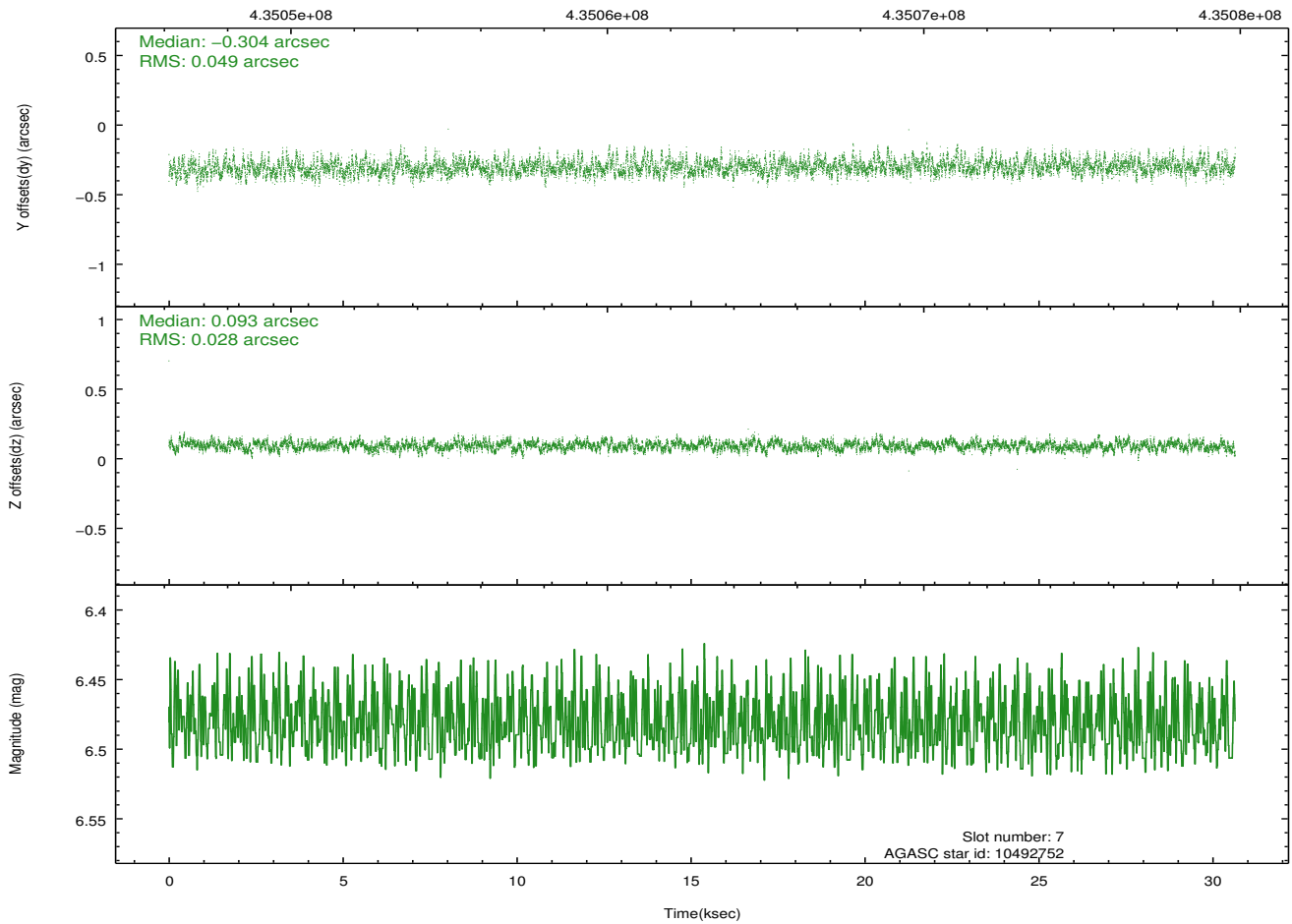
Time (s)



2.4.5 Slot 7

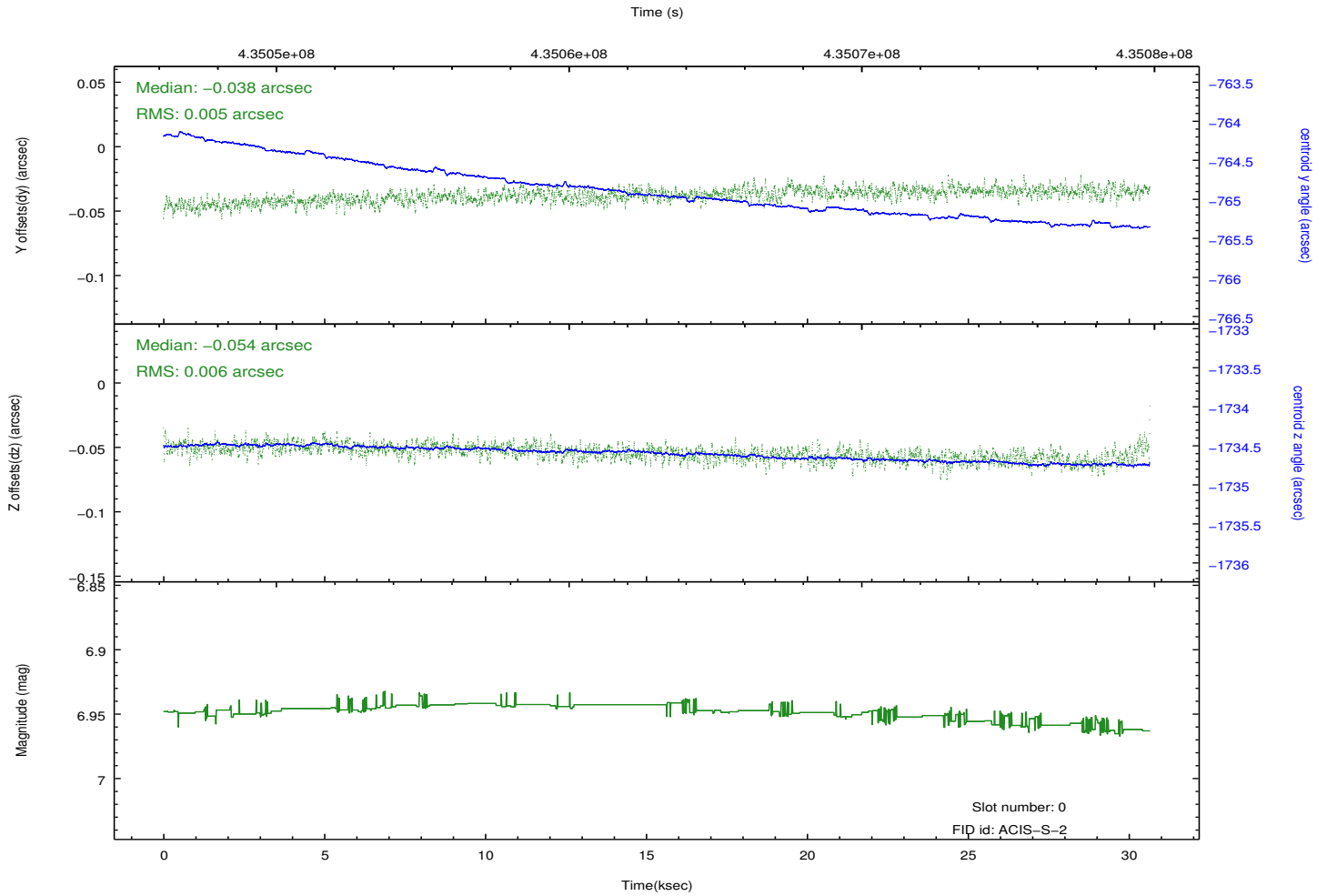
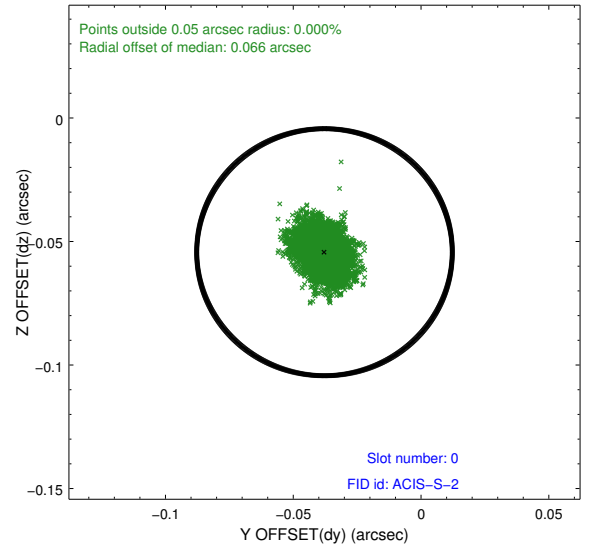
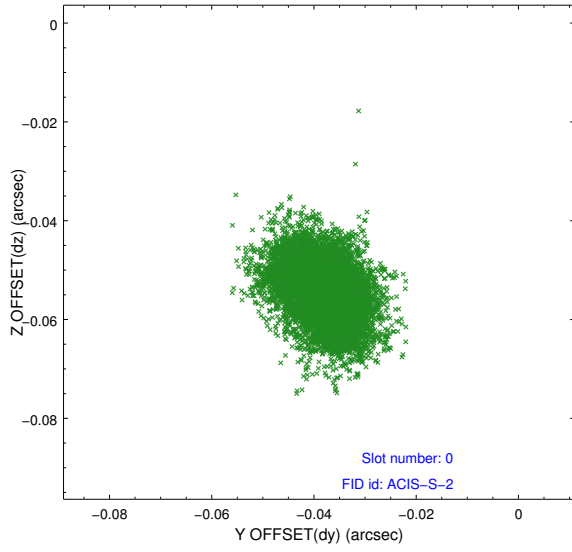


Time (s)

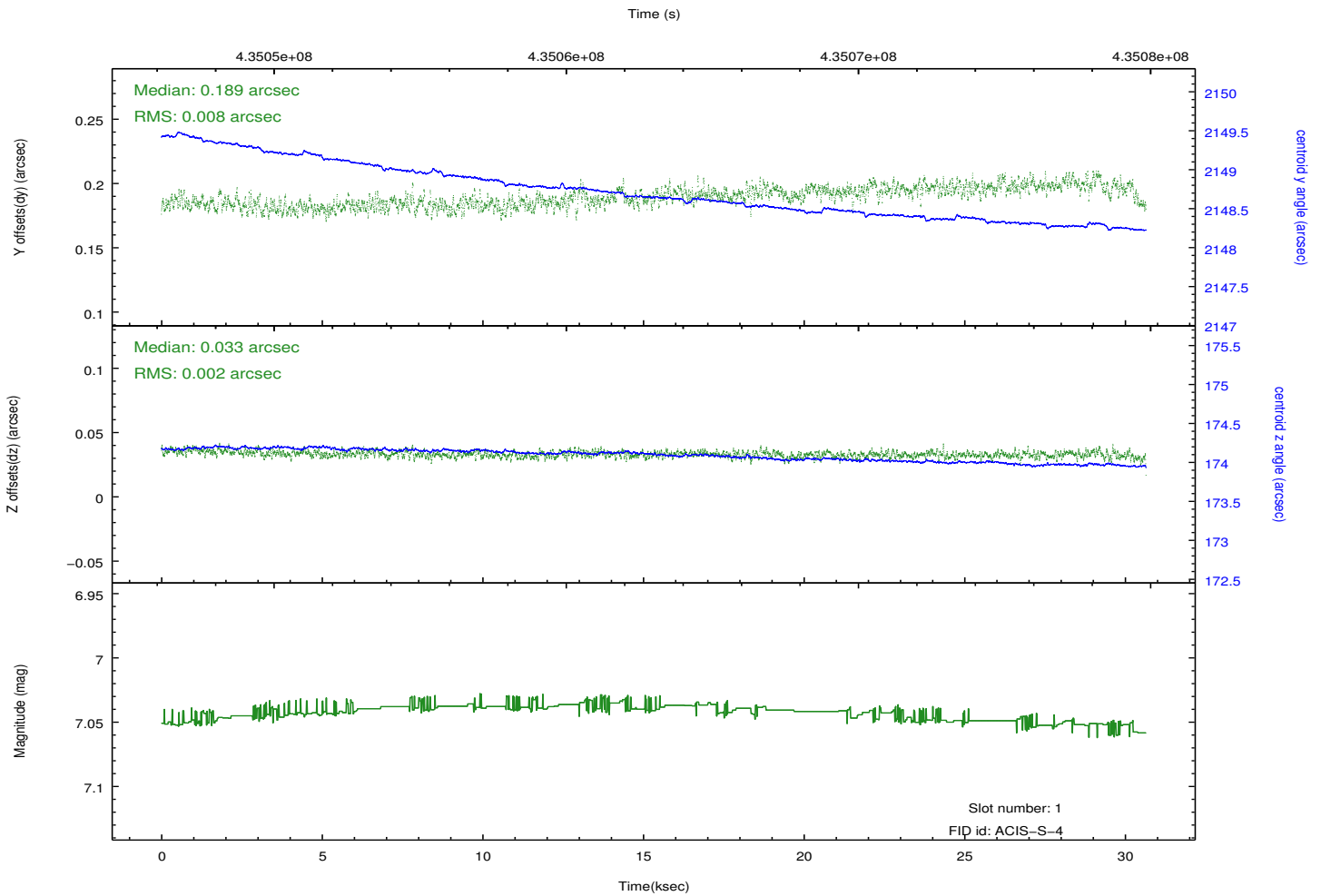
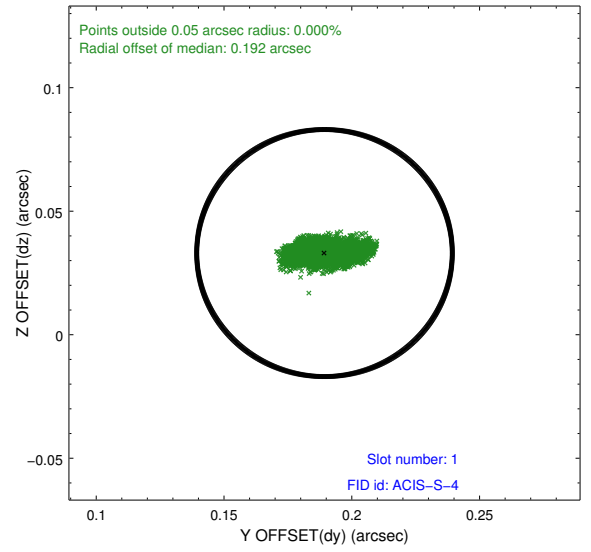
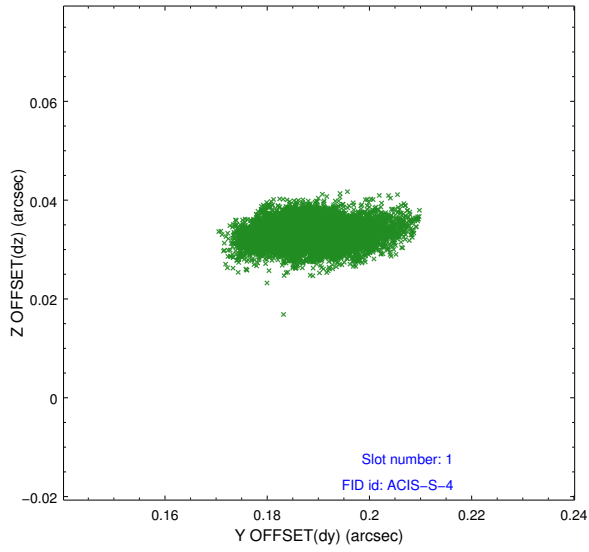


2.5 FID Slots

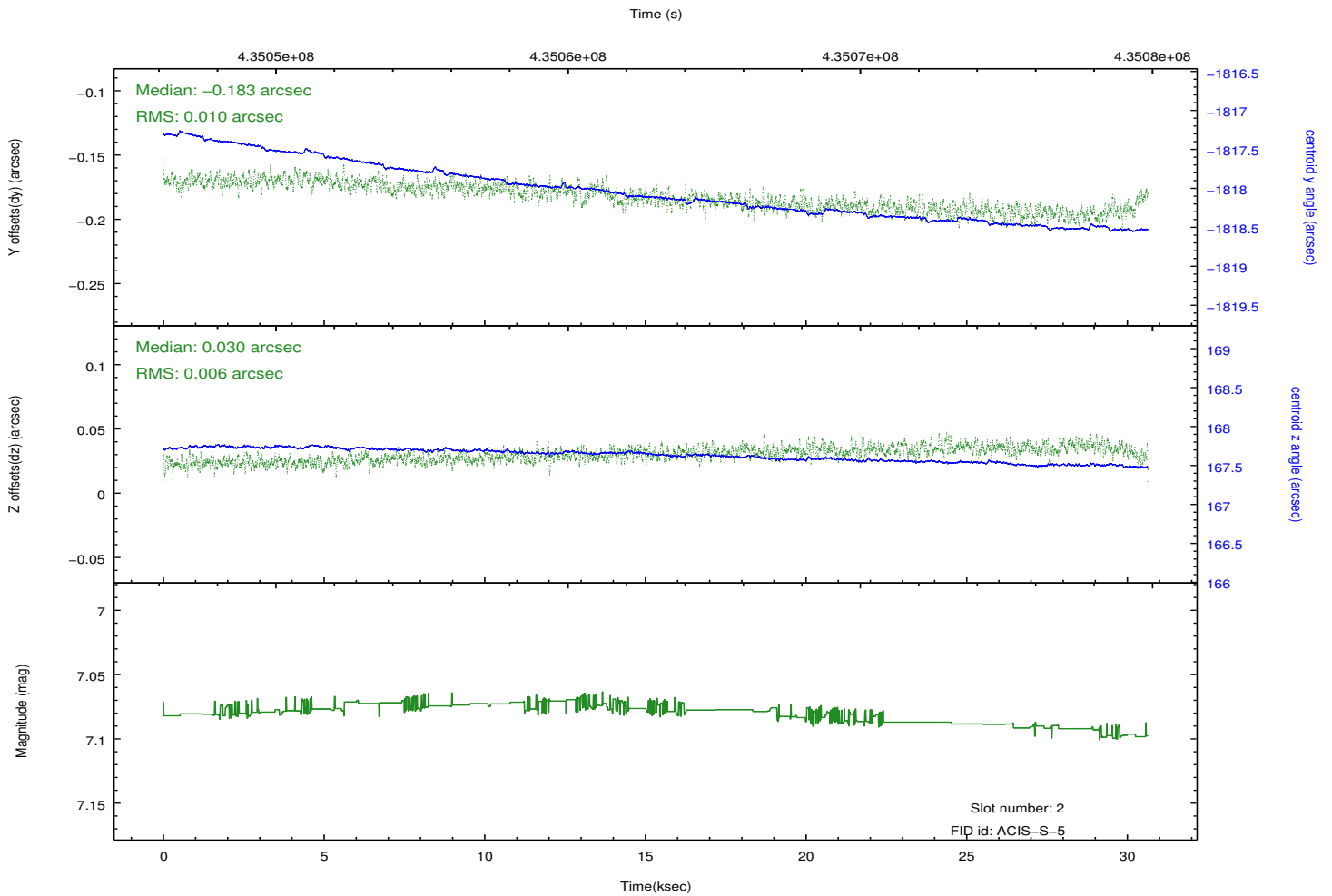
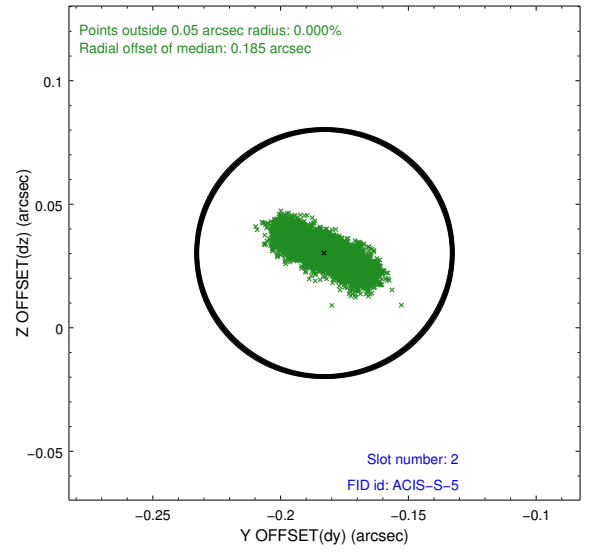
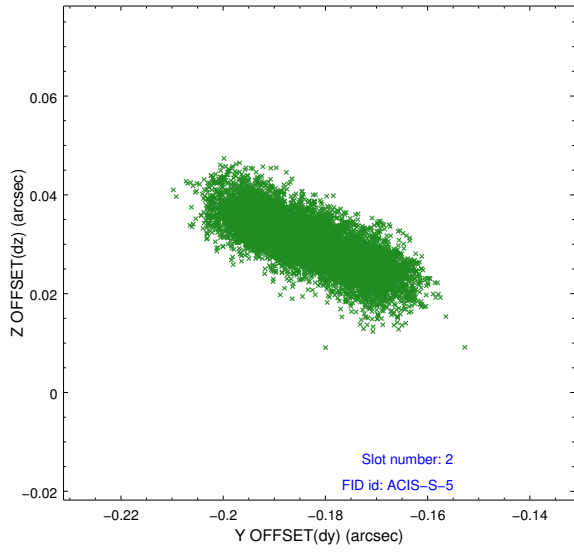
2.5.1 Slot 0



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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.054399888098

A.2 Comments