

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9416 - L2 Version 2
Chandra X-Ray Center

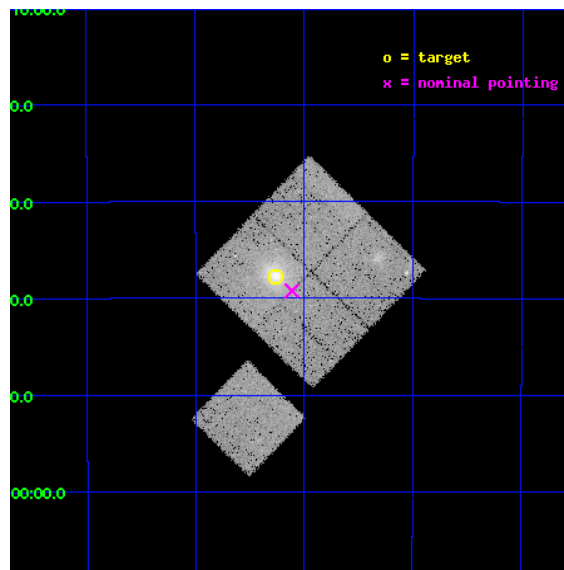
L2 Processing Date : Jun 3 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

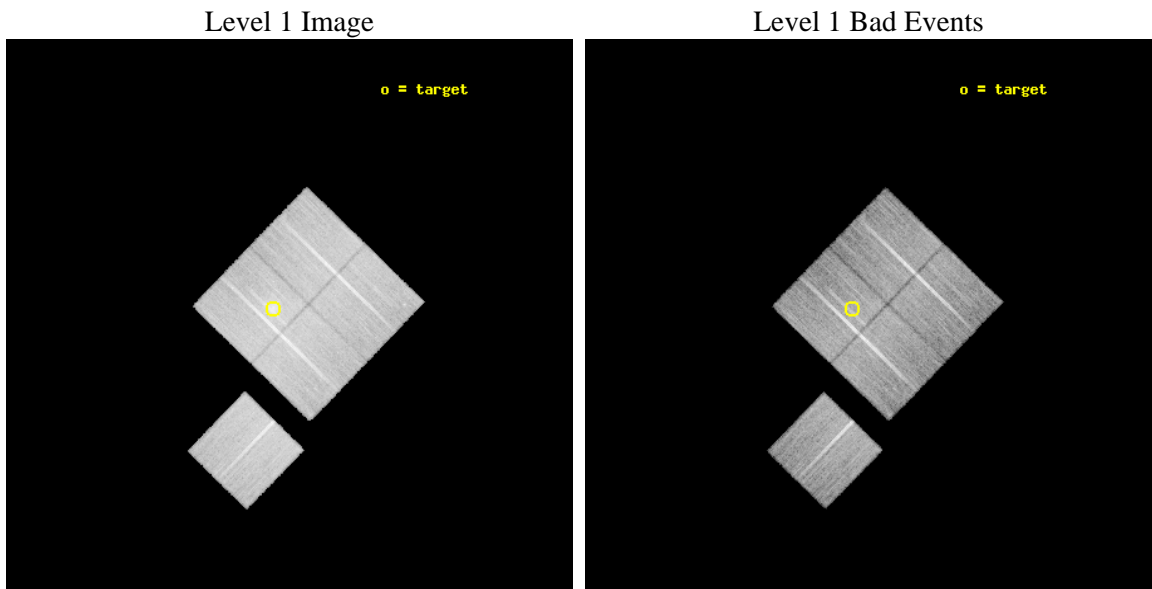
seq_num	800752	Sequence number
obs_id	9416	Observation id
title	LoCuSS: Cluster Mass Comparison with Chandra and HST -- Observational Discrepancy or Agreement in the New Millennium?	Proposal title
observer	Dr Graham Smith	Principal investigator
object	RXCJ0336.3-4037	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.066	Observer's specified target RA [deg]
dec_targ	-40.629222	Observer's specified target Dec [deg]
ra_nom	54.02859519896	Nominal RA [deg]
dec_nom	-40.654084895309	Nominal Dec [deg]
roll_nom	224.08131303318	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20317.236344814	Sum of GTIs [s]
livetime	20051.776694638	Livetime [s]
ontime0	20326.659196079	Sum of GTIs [s]
ontime1	20323.518235564	Sum of GTIs [s]
ontime2	20326.65919596	Sum of GTIs [s]
ontime3	20317.236344814	Sum of GTIs [s]
ontime6	20326.659166098	Sum of GTIs [s]
l2events	91622	Number of level 2 events



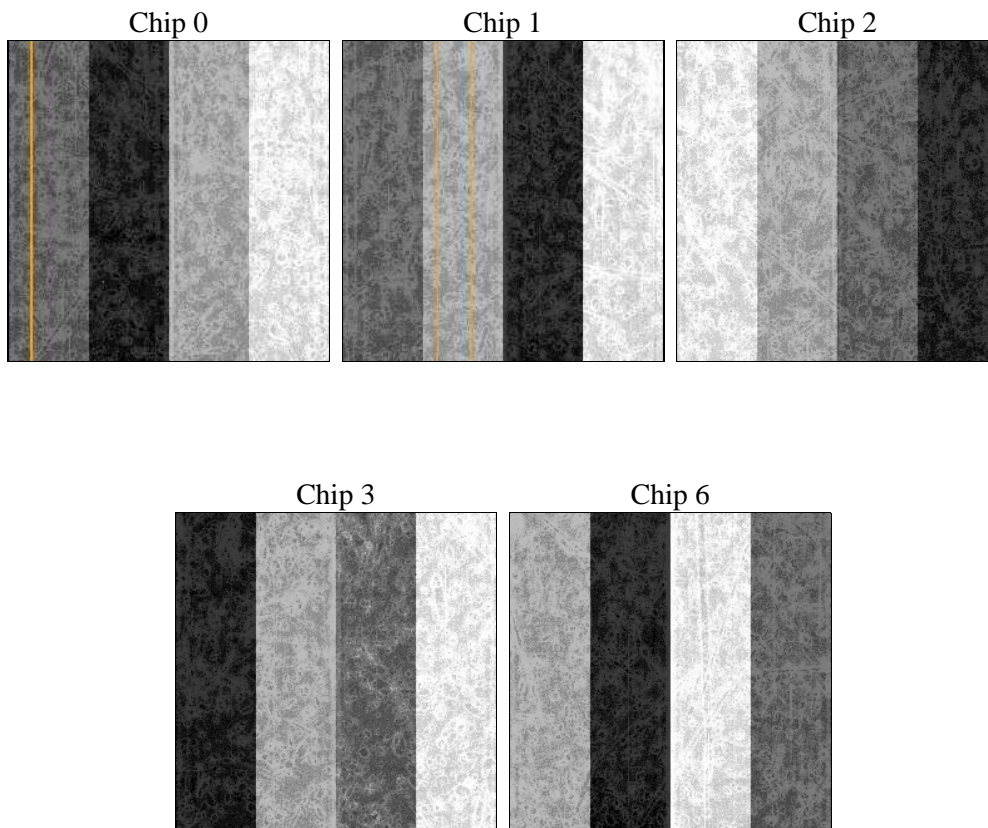
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20317.236344814	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	20326.659196079	Sum of GTIs [s]
date	2012-06-03T22:39:49	Date and time of file creation	ontime1	20323.518235564	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20326.65919596	Sum of GTIs [s]
			ontime3	20317.236344814	Sum of GTIs [s]
			ontime6	20326.659166098	Sum of GTIs [s]
			l1events	946143	Number of level 1 events

2.1.4 Events

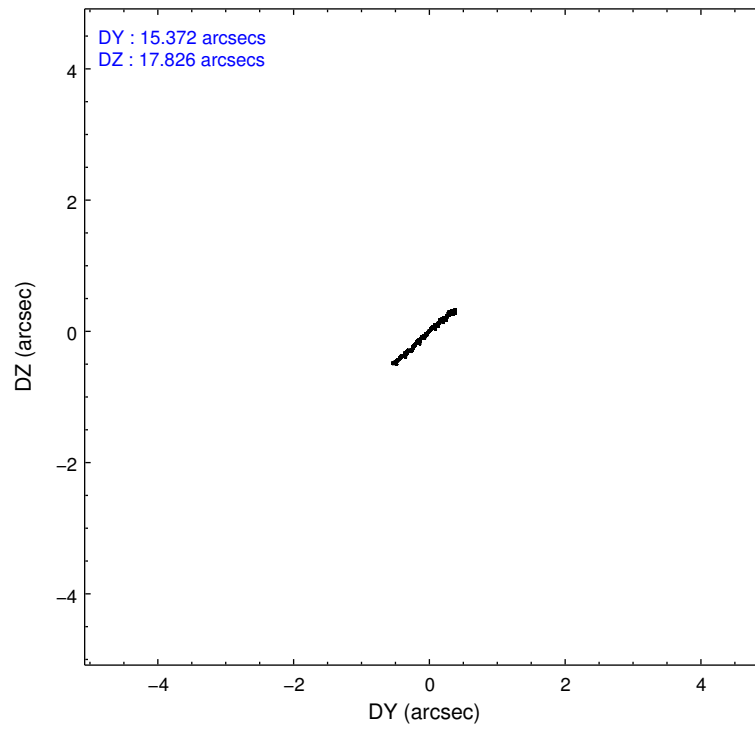
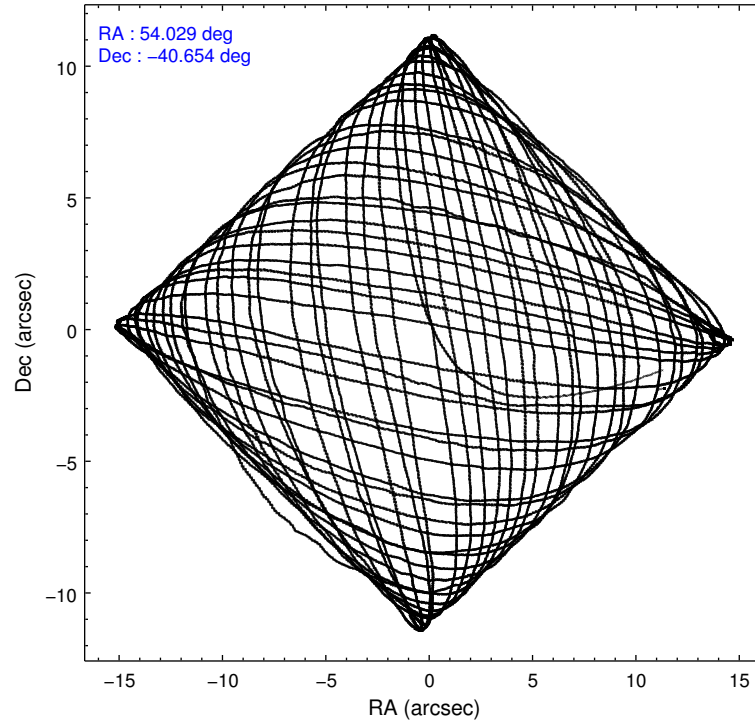
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	175665	180925	194125	205908	189520
rejected events	156150	160230	175506	175328	170962
rejected %	88%	88%	90%	85%	90%

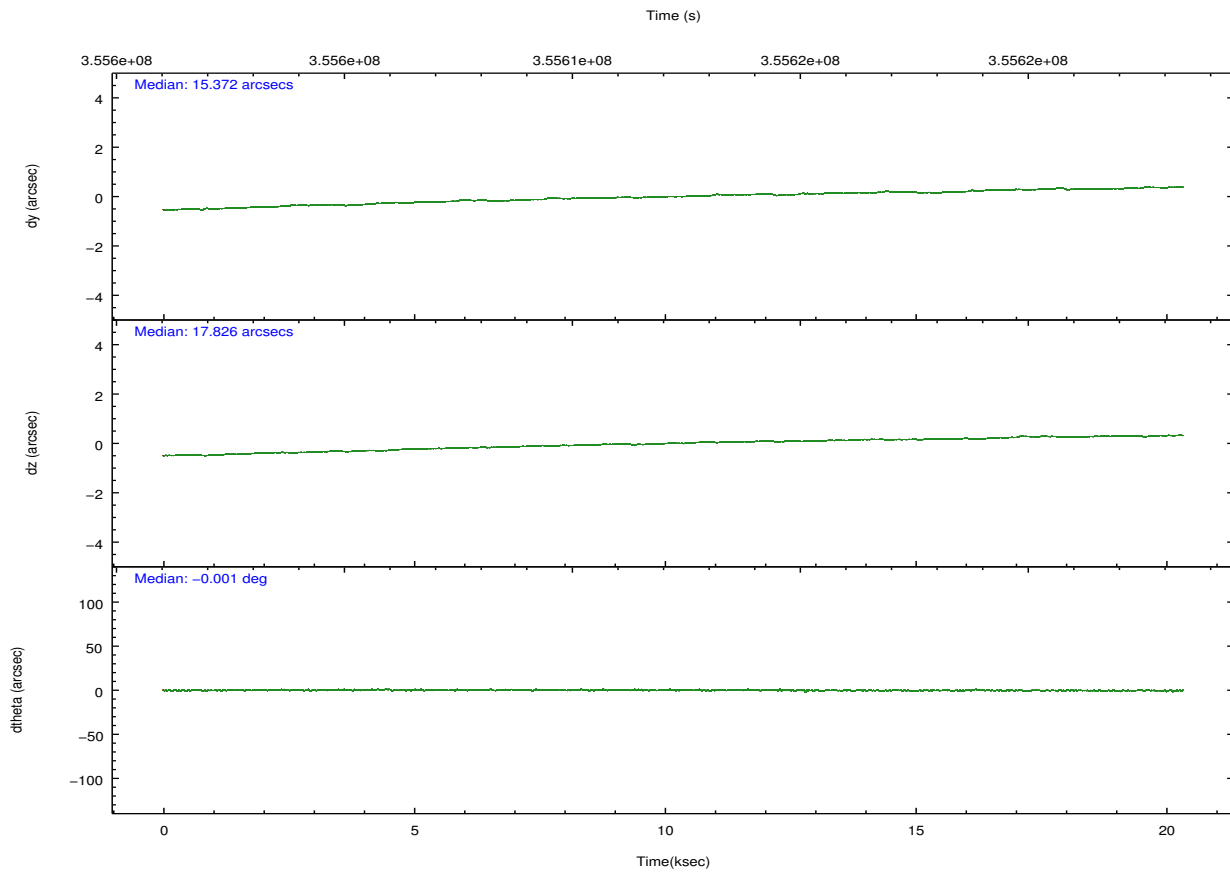
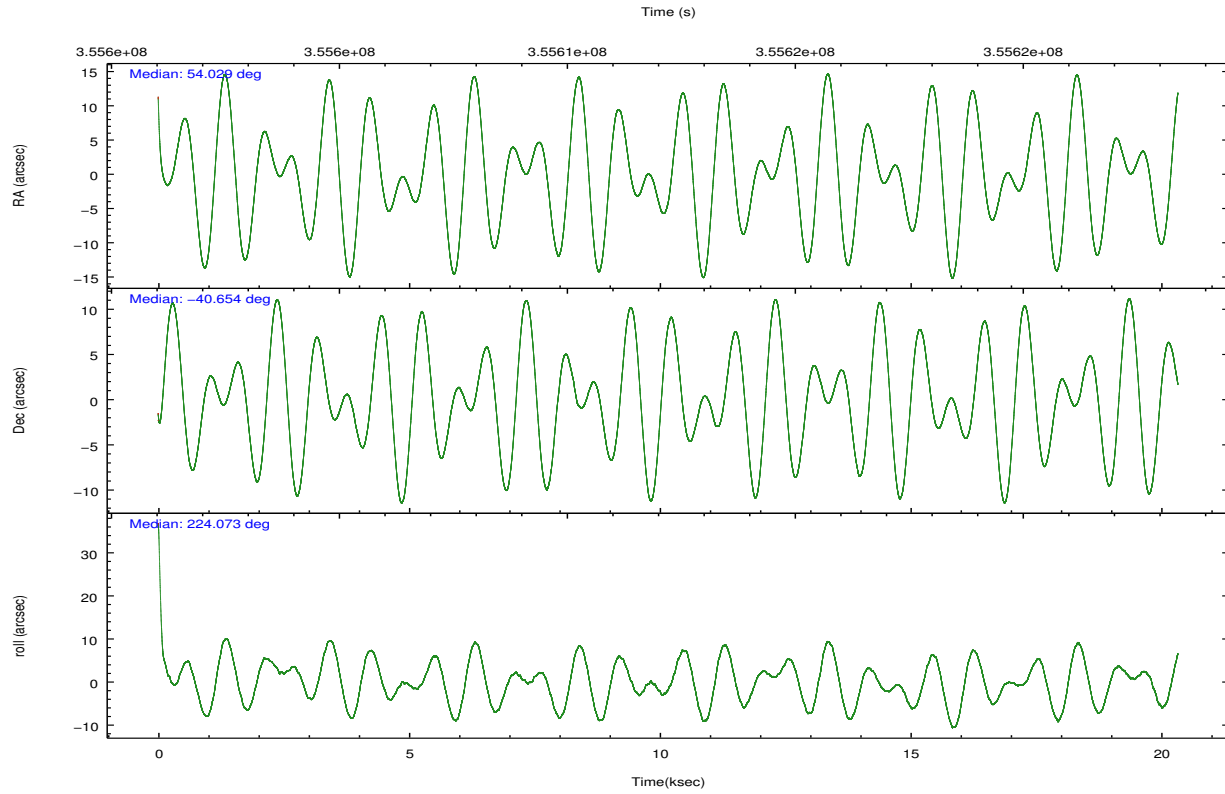
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7689	7888	7392	17416	6673
	4%	4%	3%	8%	3%
grade 1 events	98	102	135	187	100
	0%	0%	0%	0%	0%
grade 2 events	4835	5064	4660	5314	4345
	2%	2%	2%	2%	2%
grade 3 events	2187	2265	1950	2479	2230
	1%	1%	1%	1%	1%
grade 4 events	2032	2254	2015	2316	2124
	1%	1%	1%	1%	1%
grade 5 events	6908	7453	6571	7786	7686
	3%	4%	3%	3%	4%
grade 6 events	3751	4380	3597	4070	4178
	2%	2%	1%	1%	2%
grade 7 events	148165	151519	167805	166340	162184
	84%	83%	86%	80%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	54.038397	54.02859519895998	Subarray requested	NONE	NONE
[deg] Pointing Dec	-40.627639	-40.65408489530878	Alternating exposures requested	N	N
[deg] Pointing Roll	223.878995	224.0813130331802	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	355602167.184000	355600497.72909			
Observation start date	2009-04-08T18:21:41	2009-04-08T17:54:57			
[s] Observation end time (MET)	355622367.184000	355623587.90523			
Observation end date	2009-04-08T23:58:21	2009-04-09T00:19:47			
Read mode	TIMED	TIMED			

2.3 Aspect



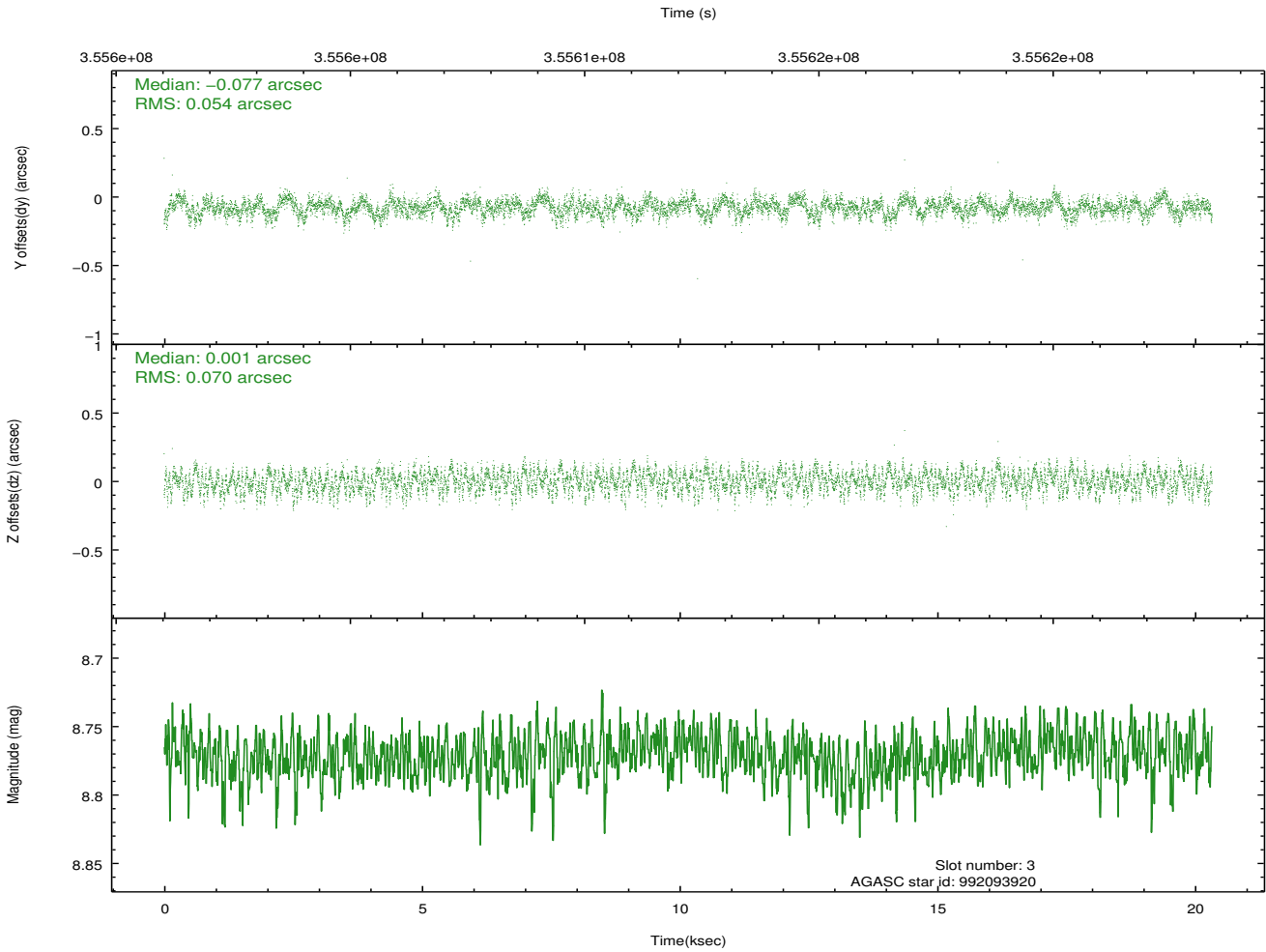
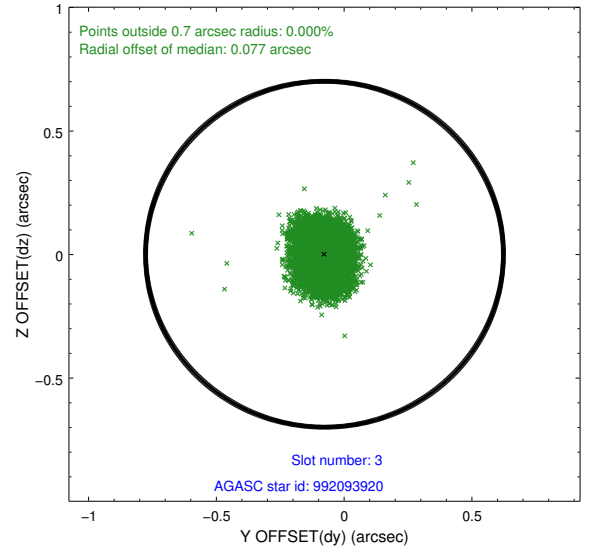
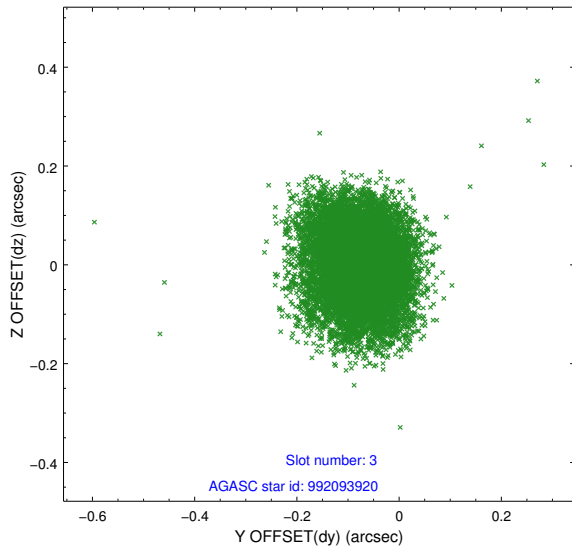


Slot Statistics

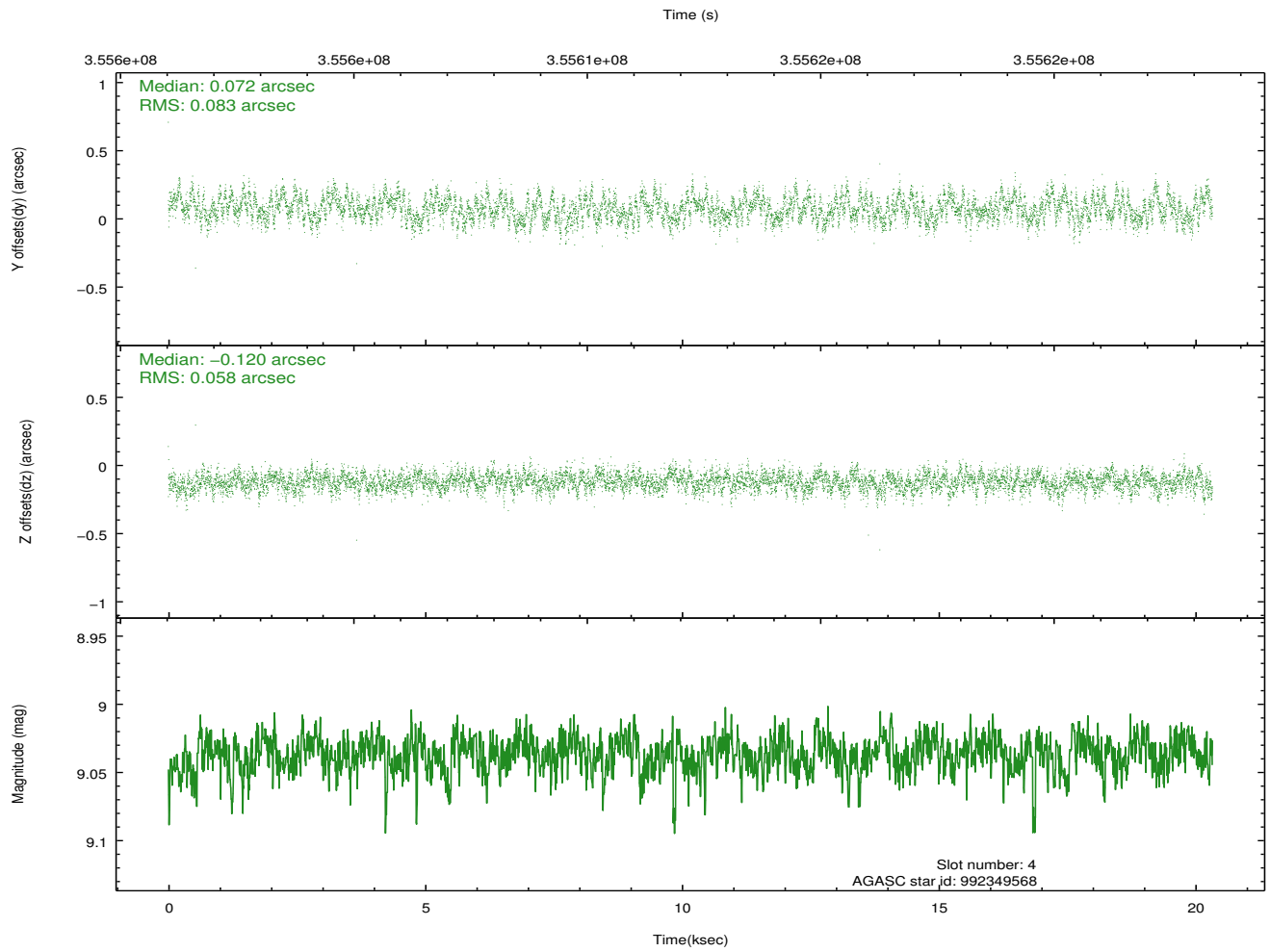
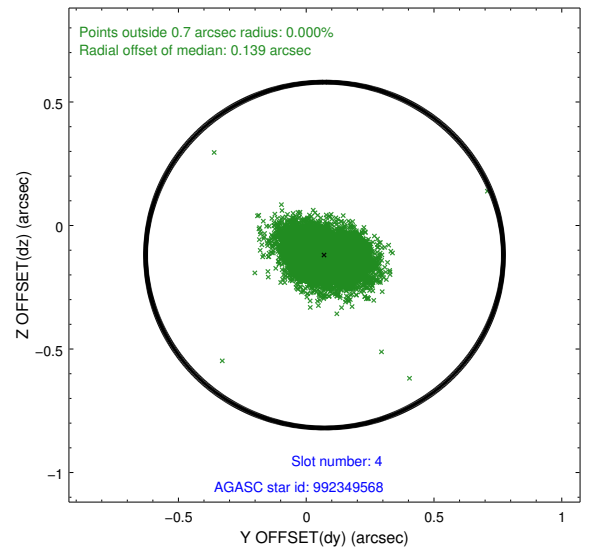
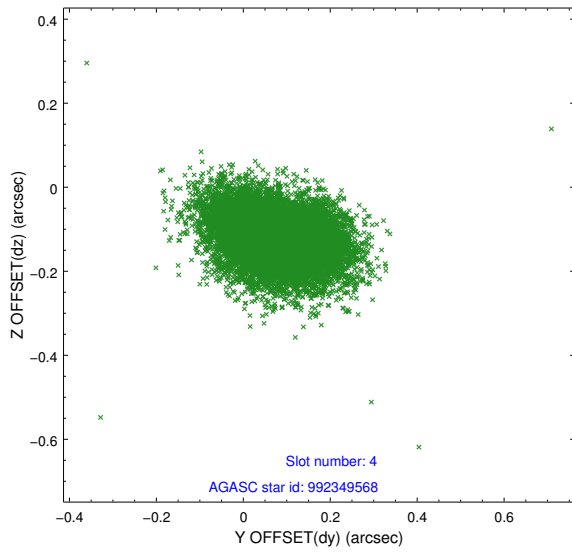
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	4958	0.117	-0.061	0.009	0.022	0.000000	0.000000	924.10	-964.67
1	FID	ACIS-I-5	6.99	4960	-0.262	0.106	0.010	0.026	0.000000	0.000000	-1824.27	932.90
2	FID	ACIS-I-6	7.01	4959	0.054	0.026	0.010	0.022	0.000000	0.000000	389.41	1577.51
3	GUIDE	992093920	8.77	9914	-0.077	0.001	0.095	0.150	53.802778	-39.945551	-1232.10	-2219.79
4	GUIDE	992349568	9.04	9910	0.072	-0.120	0.108	0.173	52.991777	-40.601135	2007.99	-2038.88
5	GUIDE	992477792	9.24	9907	-0.039	0.076	0.085	0.138	54.645601	-40.405901	-1748.69	582.61
6	GUIDE	992480856	8.08	9917	-0.160	-0.076	0.080	0.122	54.756259	-40.631235	-1399.36	1374.81
7	GUIDE	992488392	9.35	9903	0.200	0.117	0.131	0.196	54.085059	-40.273718	-975.06	-828.91

2.4 Star Slots

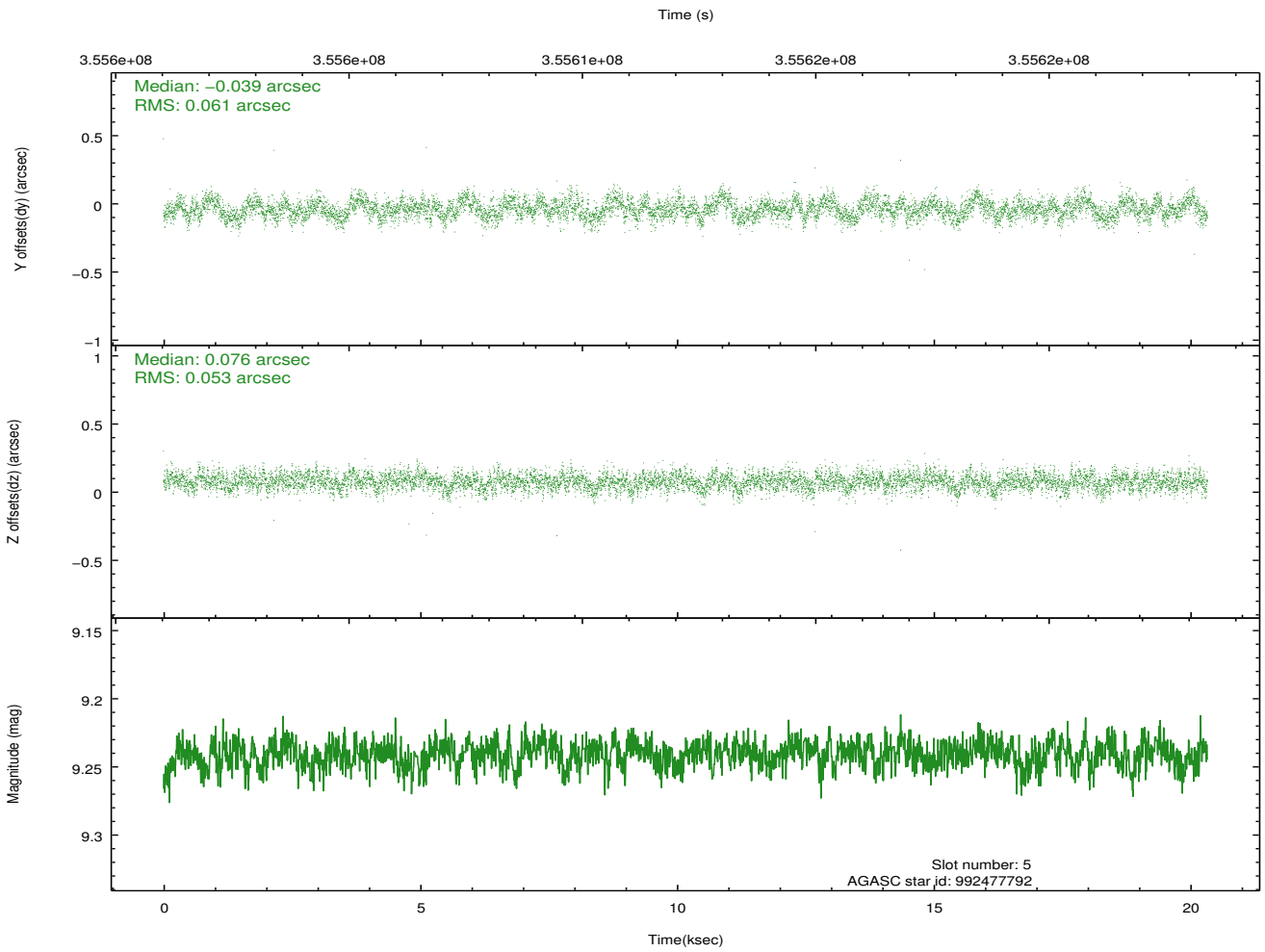
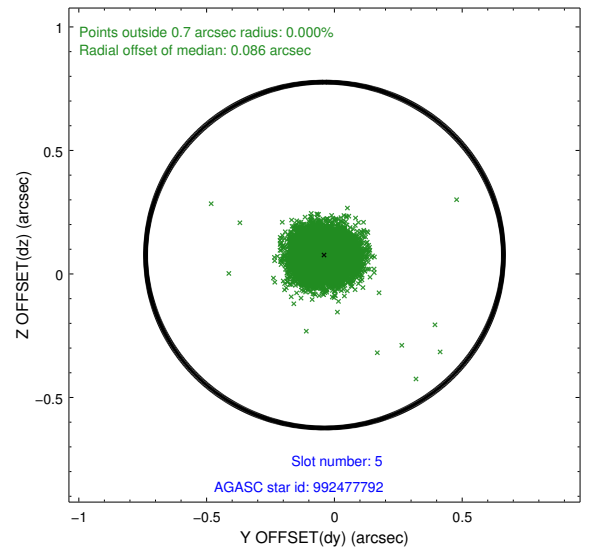
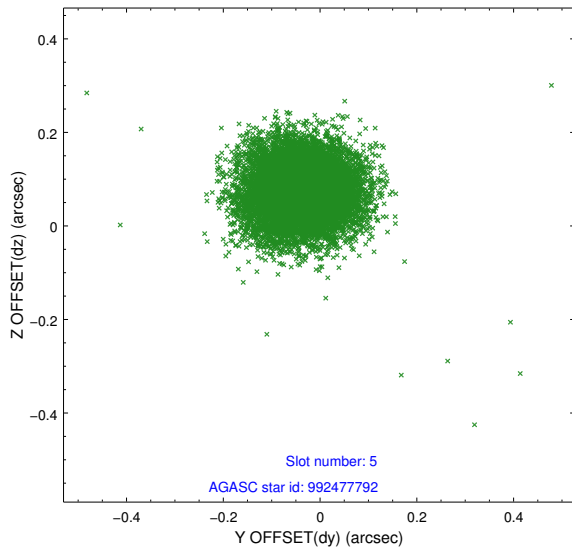
2.4.1 Slot 3



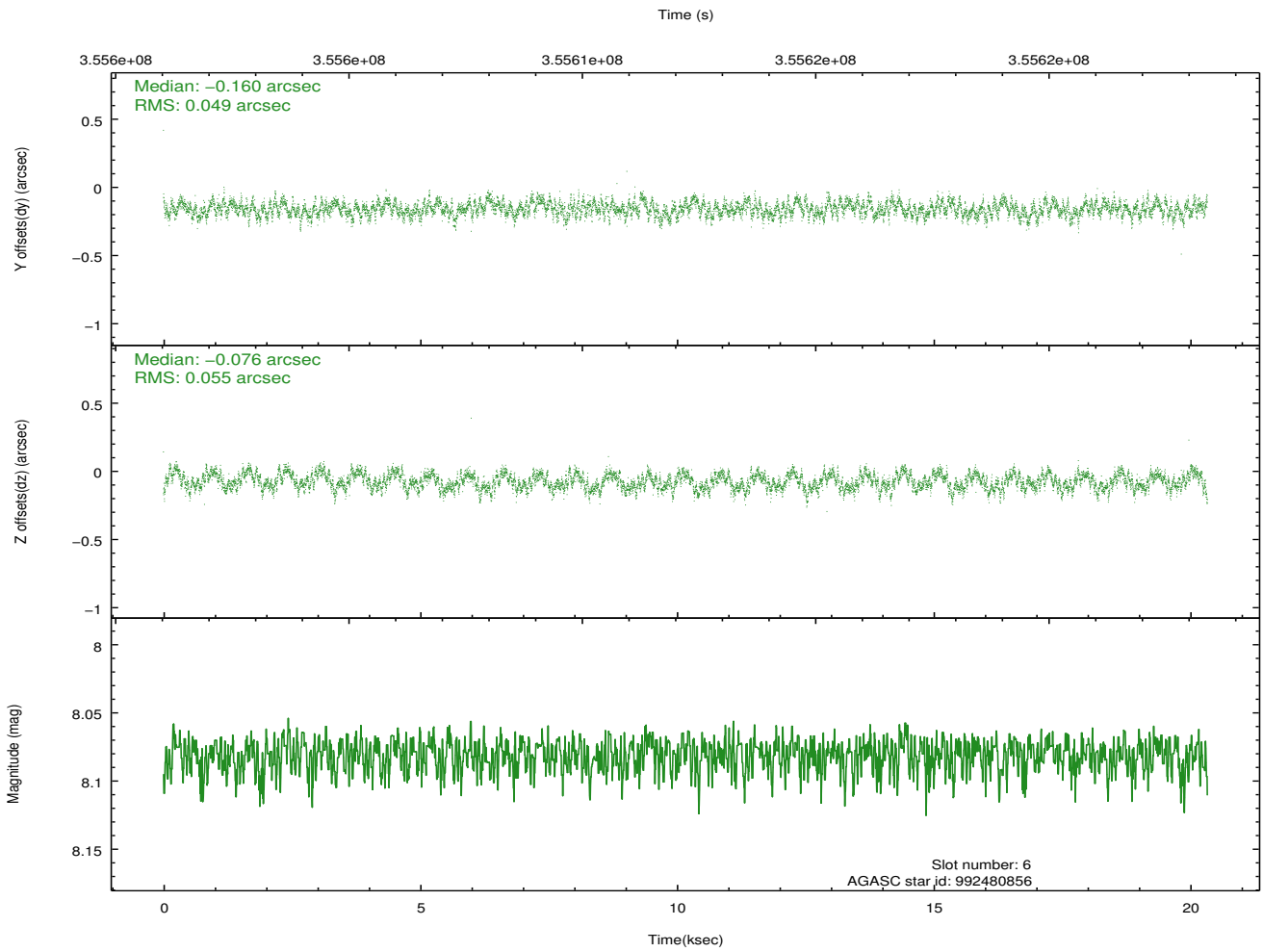
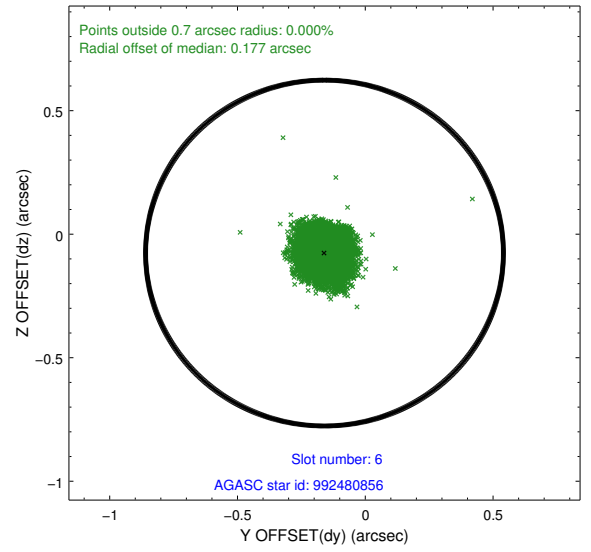
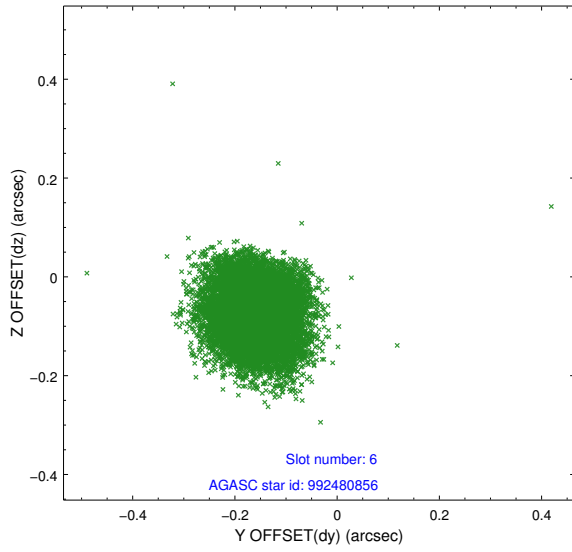
2.4.2 Slot 4



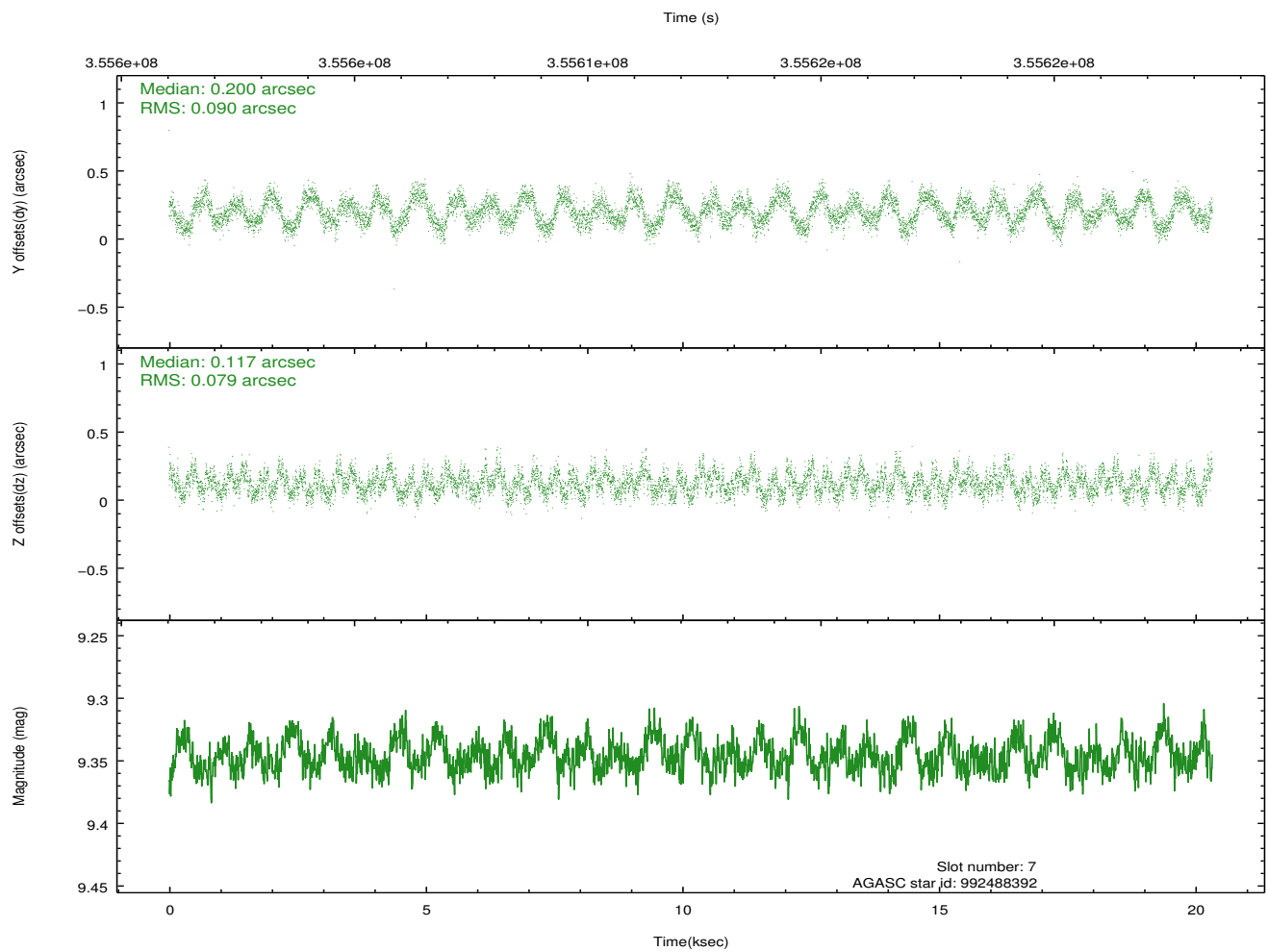
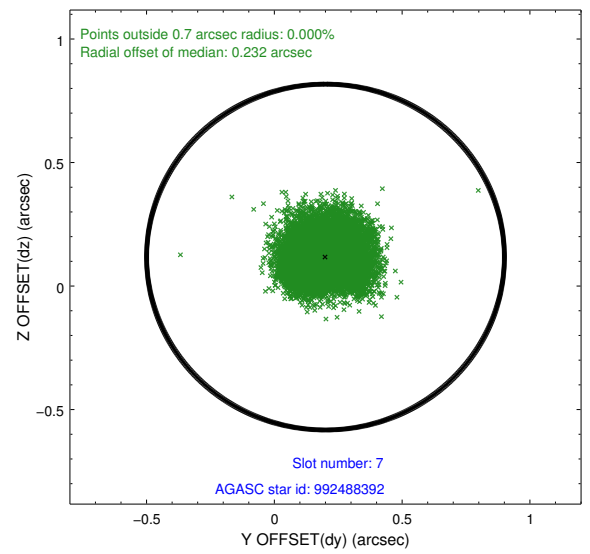
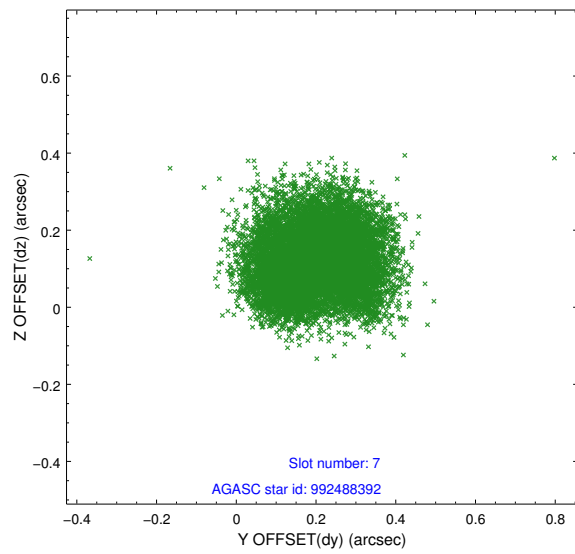
2.4.3 Slot 5



2.4.4 Slot 6

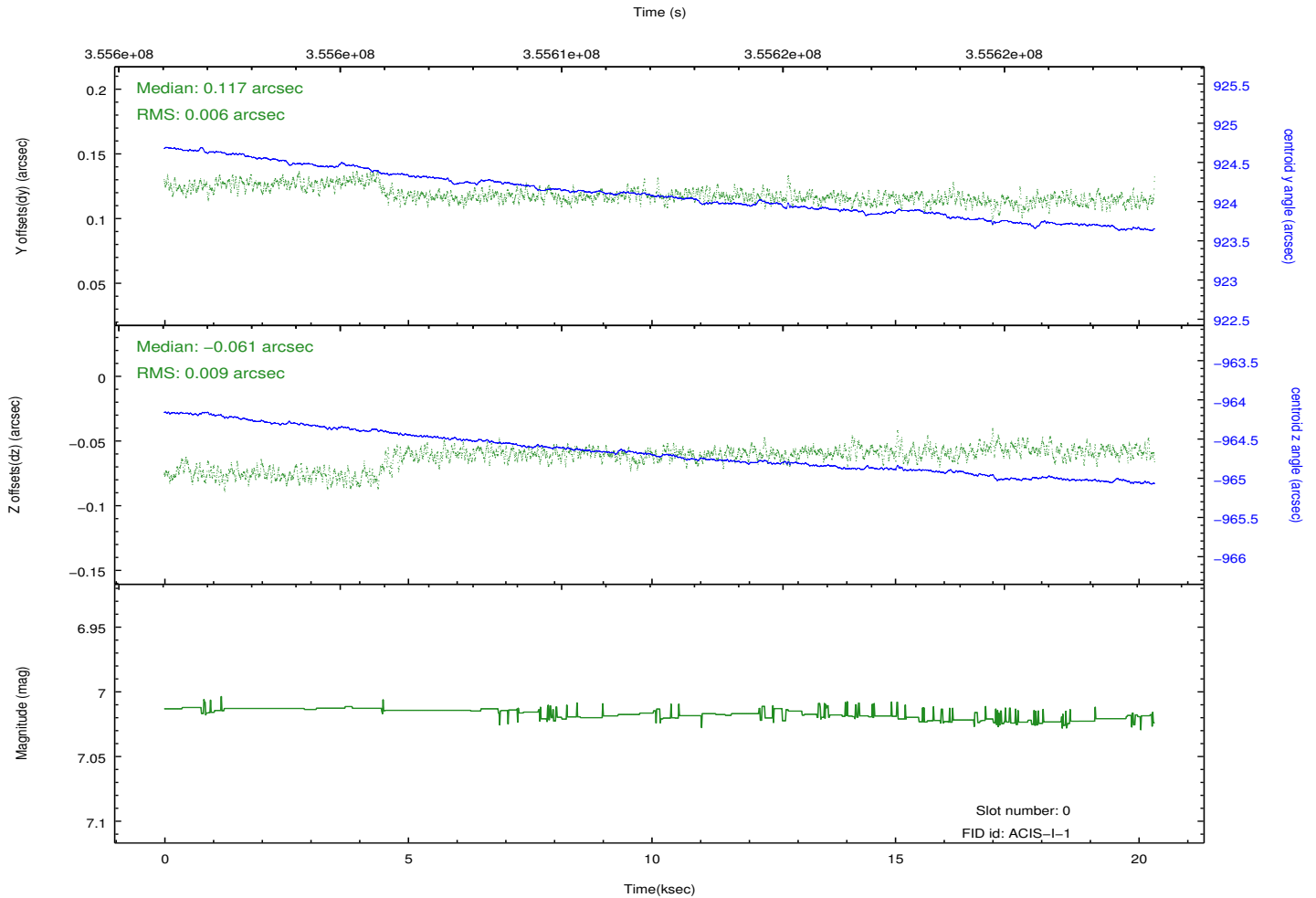
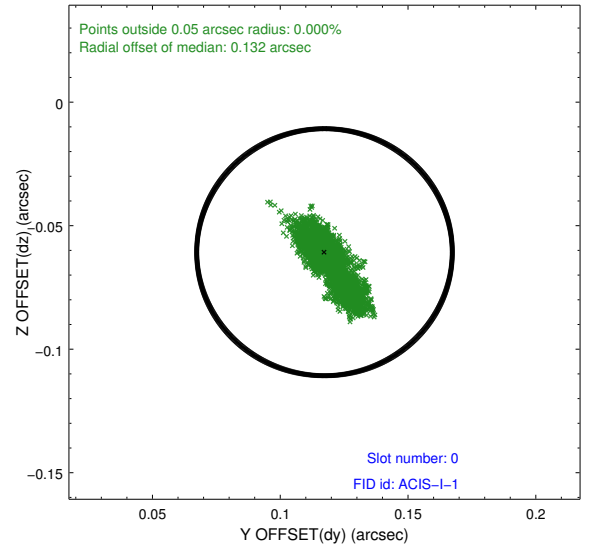
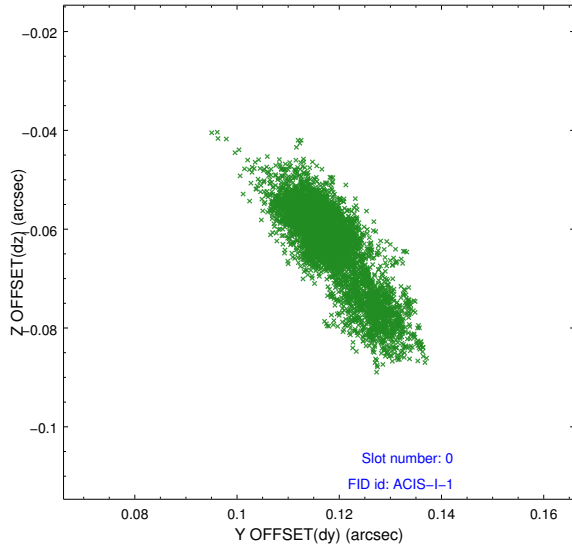


2.4.5 Slot 7

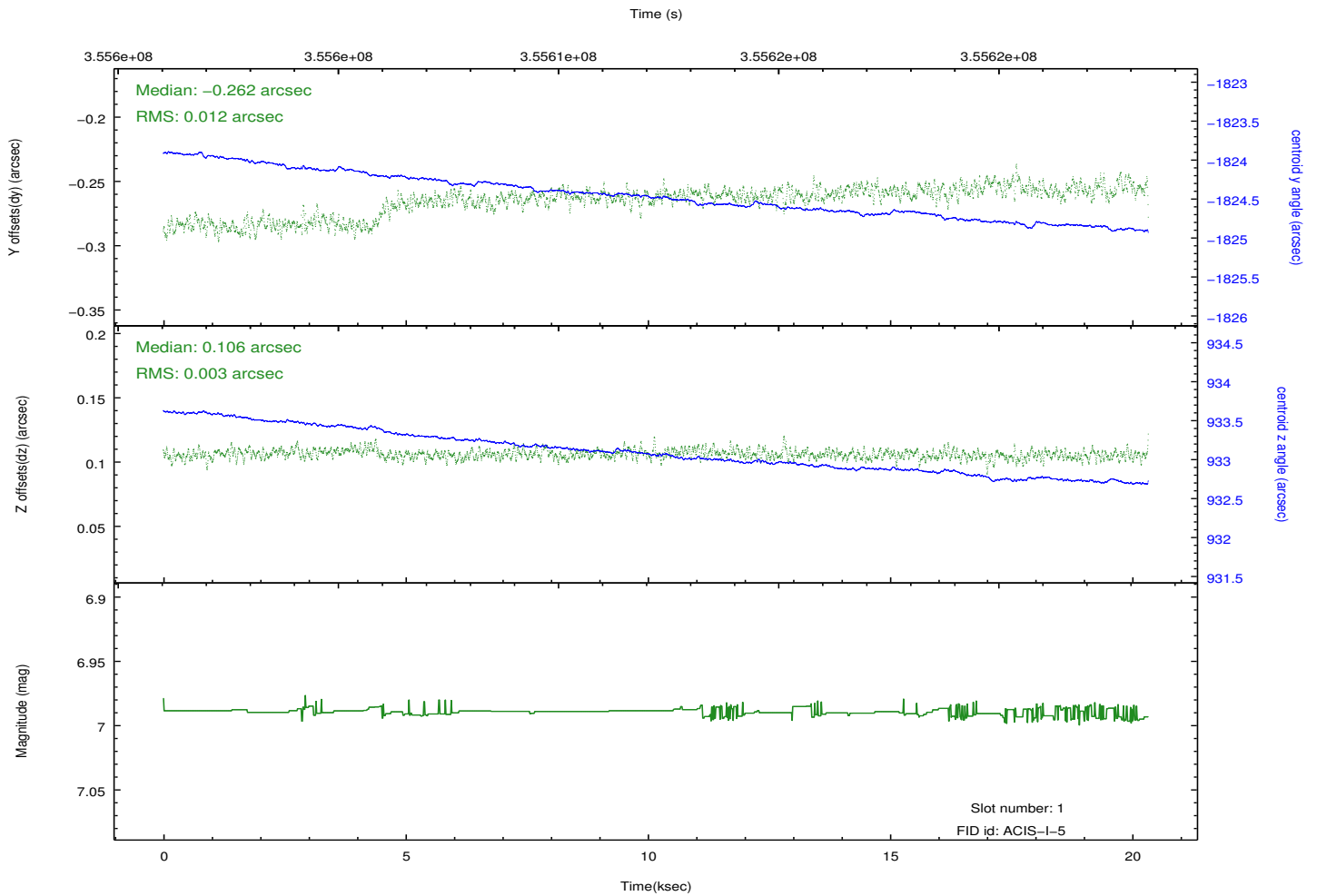
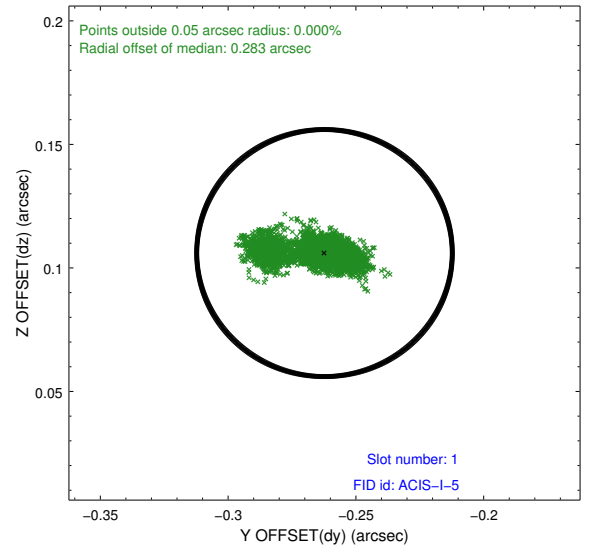
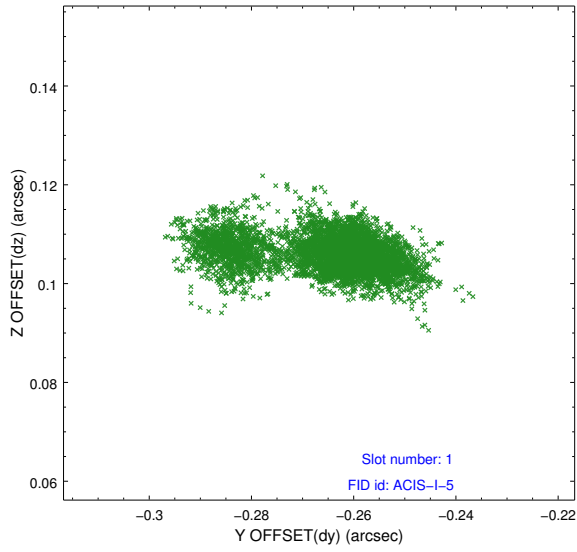


2.5 FID Slots

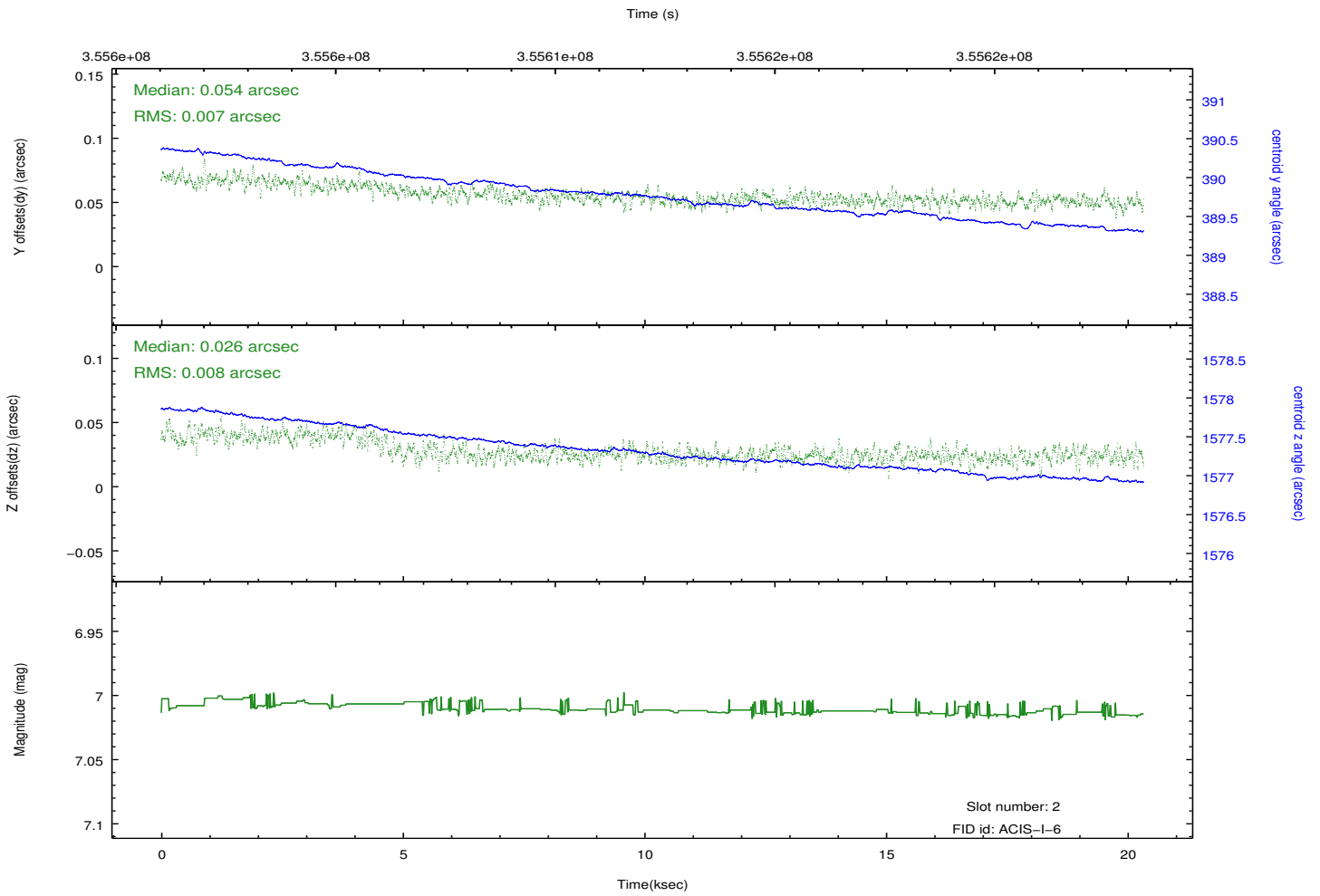
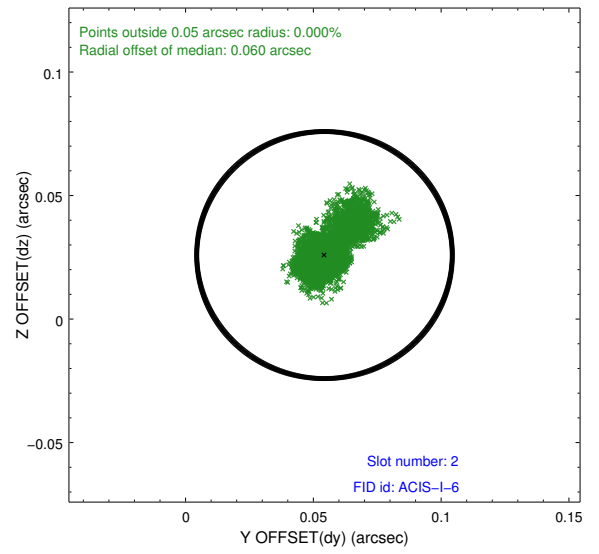
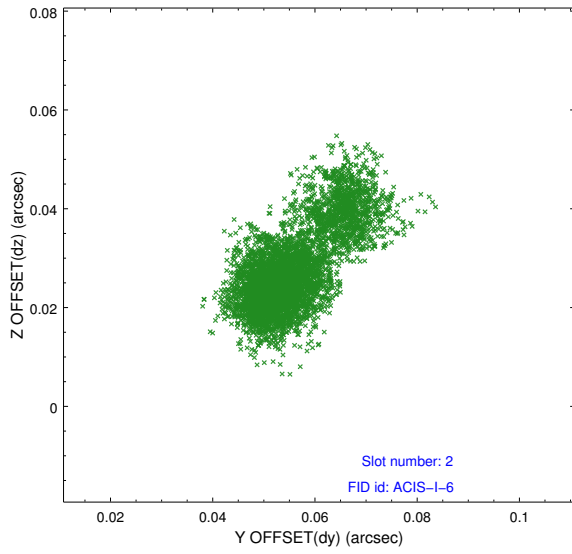
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.3172363

A.2 Comments