

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10788 - L2 Version 2
Chandra X-Ray Center

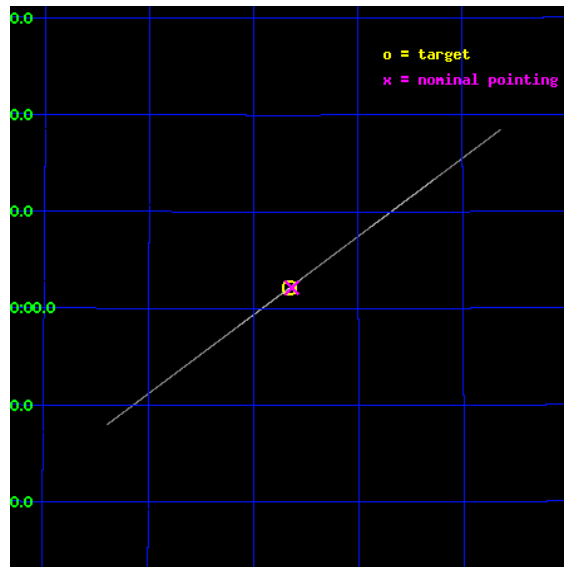
L2 Processing Date : May 22 2012

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1 Front

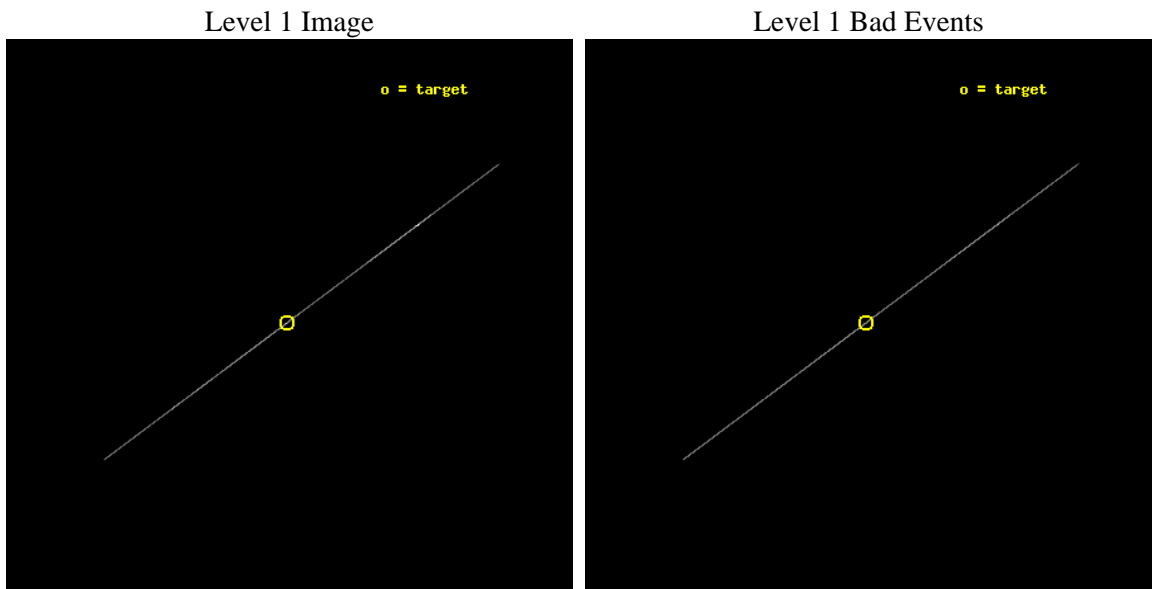
seq_num	701651	Sequence number
obs_id	10788	Observation id
title	Coordinated Multiwavelength Observations of New TeV Blazars Detected by VERITAS	Proposal title
observer	Prof. Markus Boettcher	Principal investigator
object	3C66A	Source name
ra_targ	35.665	Observer's specified target RA [deg]
dec_targ	43.035556	Observer's specified target Dec [deg]
ra_nom	35.6583744077	Nominal RA [deg]
dec_nom	43.03597646098	Nominal Dec [deg]
roll_nom	143.45542639352	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37623.25	Sum of GTIs [s]
livetime	37476.284179688	Livetime [s]
ontime4	37623.25	Sum of GTIs [s]
ontime5	37623.25	Sum of GTIs [s]
ontime6	37623.25	Sum of GTIs [s]
ontime7	37623.25	Sum of GTIs [s]
ontime8	37623.25	Sum of GTIs [s]
ontime9	37623.25	Sum of GTIs [s]
l2events	756003	Number of level 2 events



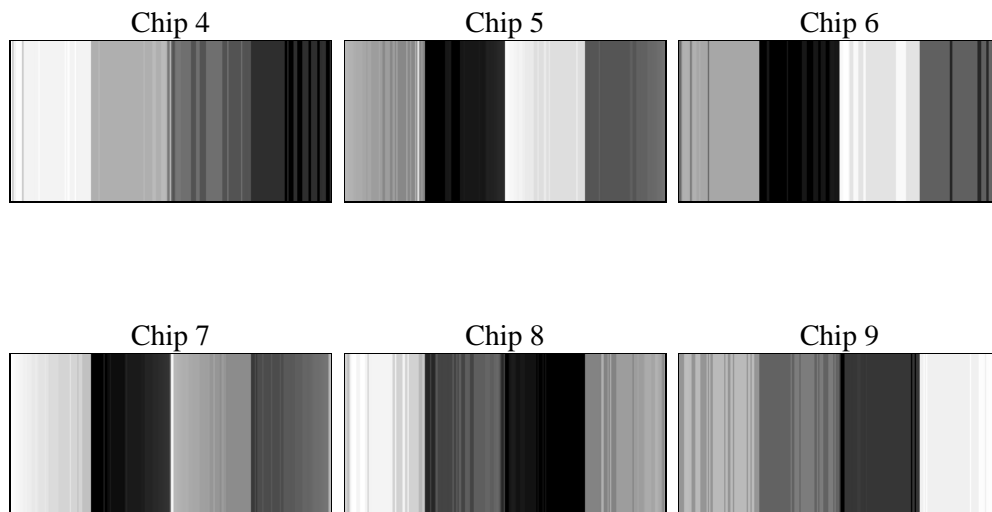
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	37623.25	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	37623.25	Sum of GTIs [s]
date	2012-05-22T10:45:22	Date and time of file creation	ontime5	37623.25	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	37623.25	Sum of GTIs [s]
			ontime7	37623.25	Sum of GTIs [s]
			ontime8	37623.25	Sum of GTIs [s]
			ontime9	37623.25	Sum of GTIs [s]
			l1events	1505369	Number of level 1 events

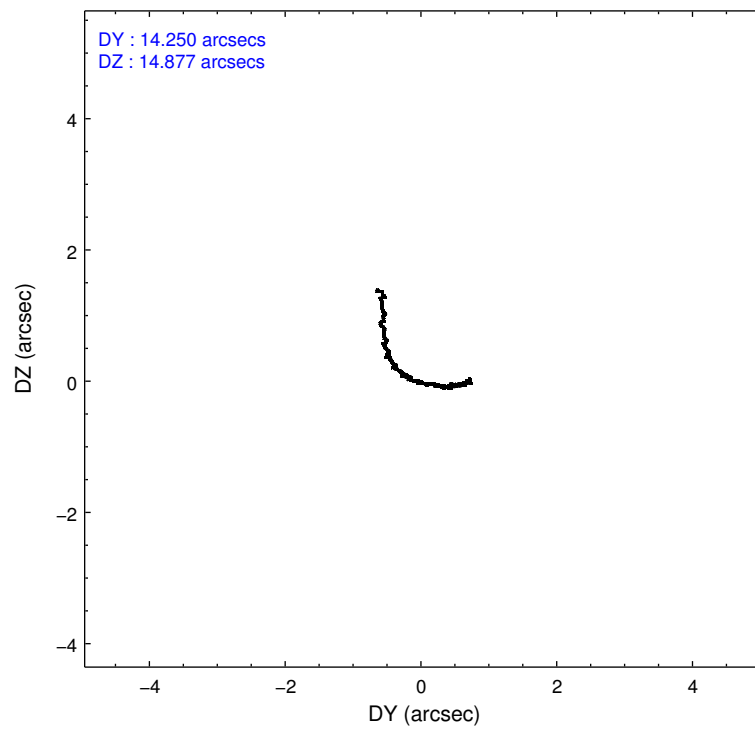
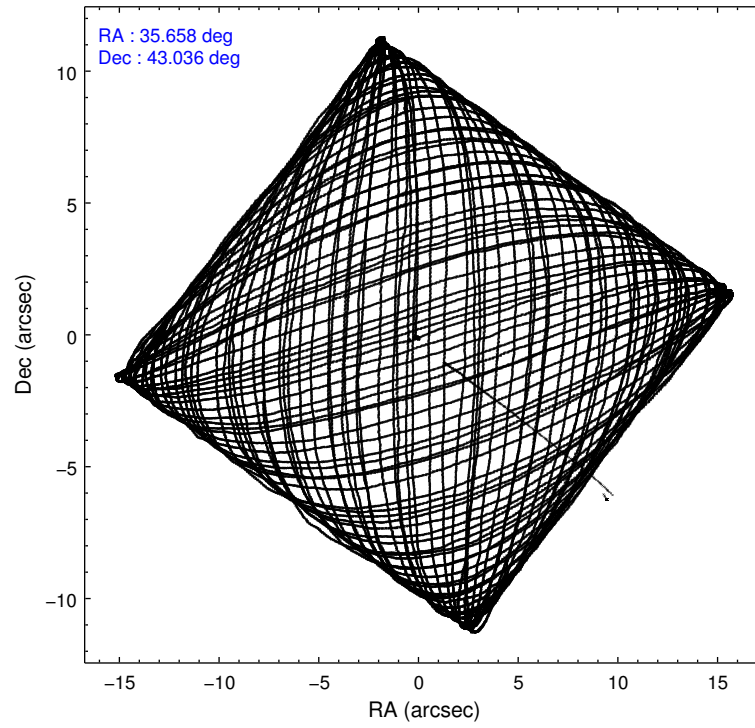
2.1.4 Events

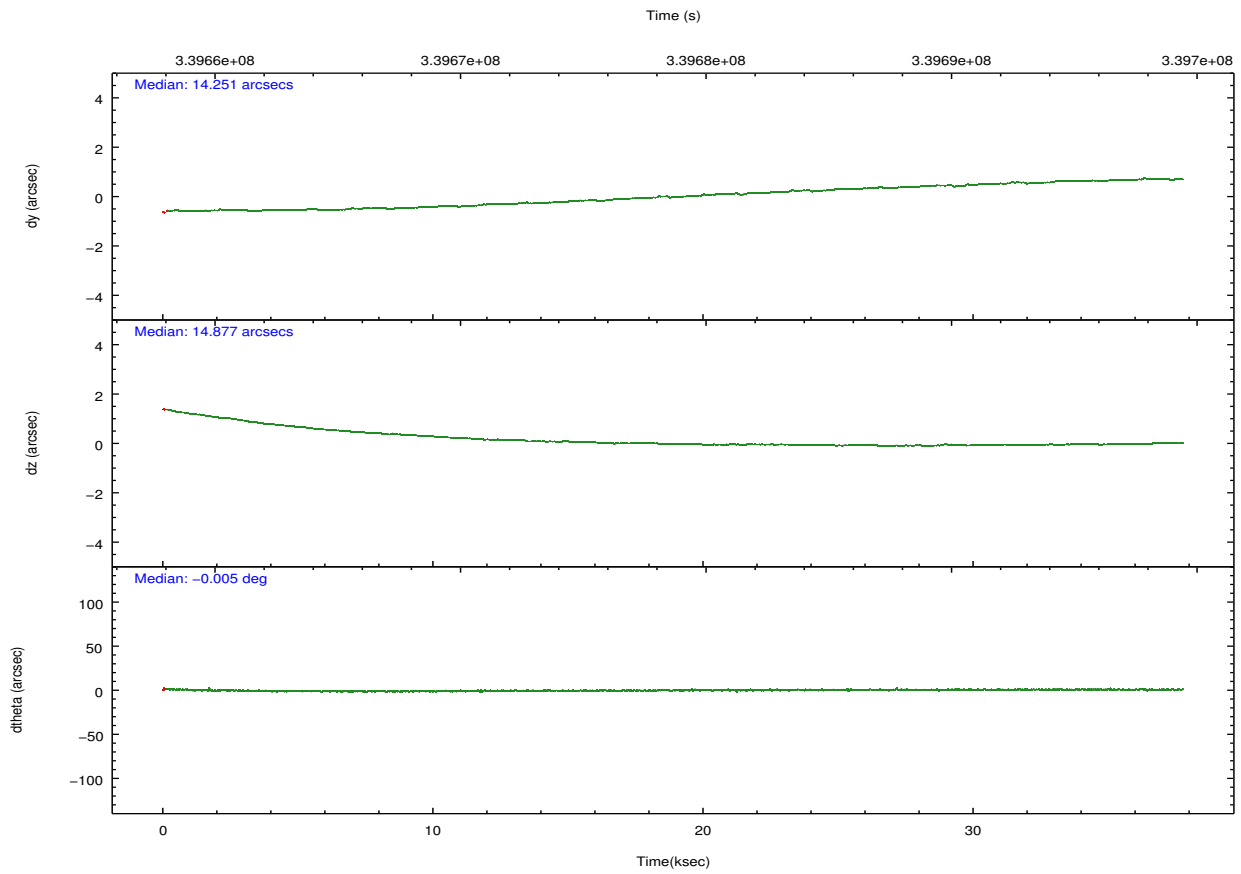
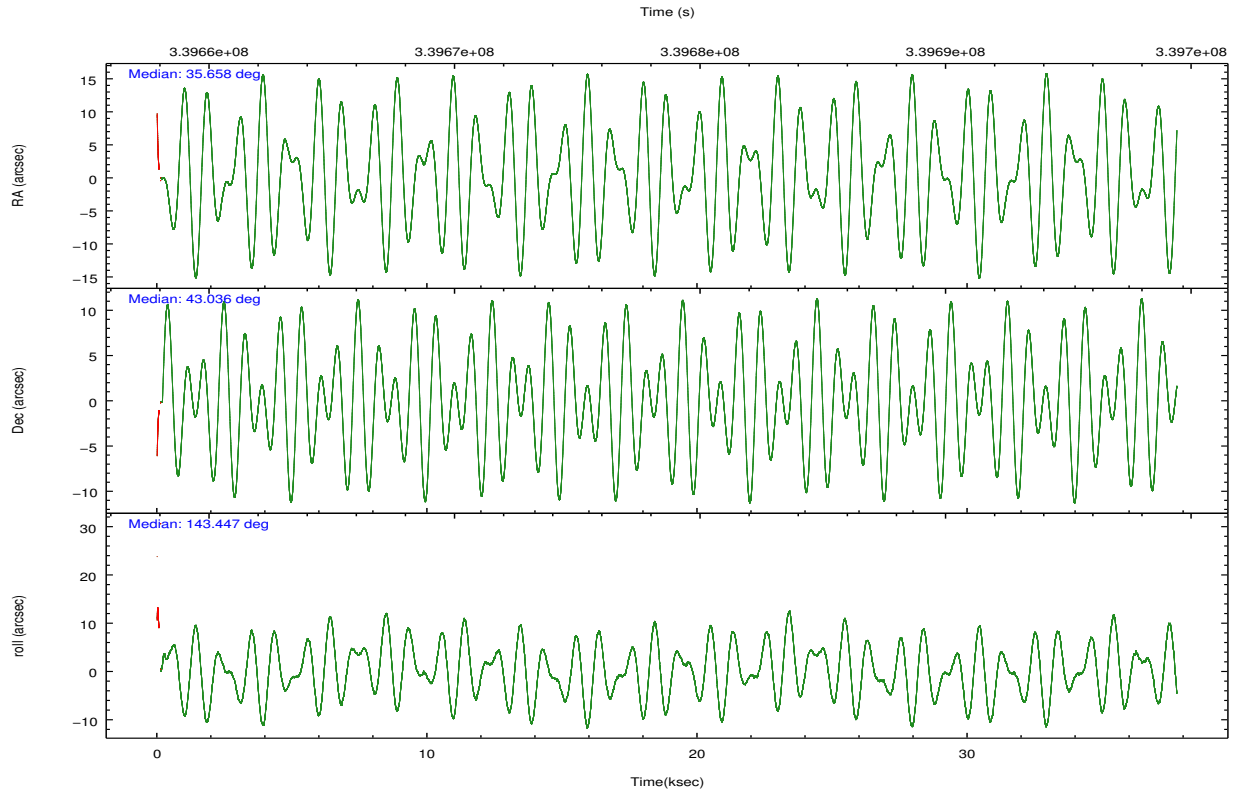
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	85118	731972	88485	320841	188544	90409	grade 0 events	10078	277411	8985	37579	34675	10495
rejected events	18846	53513	20831	49857	32328	22304		11%	37%	10%	11%	18%	11%
rejected %	22%	7%	23%	15%	17%	24%	grade 1 events	416	695	352	668	712	387
								0%	0%	0%	0%	0%	0%
							grade 2 events	26929	244088	27891	75587	53987	26411
								31%	33%	31%	23%	28%	29%
							grade 3 events	8910	6679	8291	19465	16455	7936
								10%	0%	9%	6%	8%	8%
							grade 4 events	9063	6517	7935	19478	16216	8502
								10%	0%	8%	6%	8%	9%
							grade 5 events	15500	35555	17665	39957	24954	18909
								18%	4%	19%	12%	13%	20%
							grade 6 events	14222	161027	17366	128107	41545	17769
								16%	21%	19%	39%	22%	19%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	35.695618	35.65837440769957	CCD I2 on	N	N
[deg] Pointing Dec	43.033217	43.03597646097987	CCD I3 on	N	N
[deg] Pointing Roll	143.273375	143.4554263935178	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	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	O4	Y
[s] Observation start time (MET)	339659946.184000	339658269.11512	CCD S5 on	O2	Y
Observation start date	2008-10-06T05:58:01	2008-10-06T05:31:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	339697546.184000	339698978.52963	On-chip summing requested	N	N
Observation end date	2008-10-06T16:24:41	2008-10-06T16:49:38	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



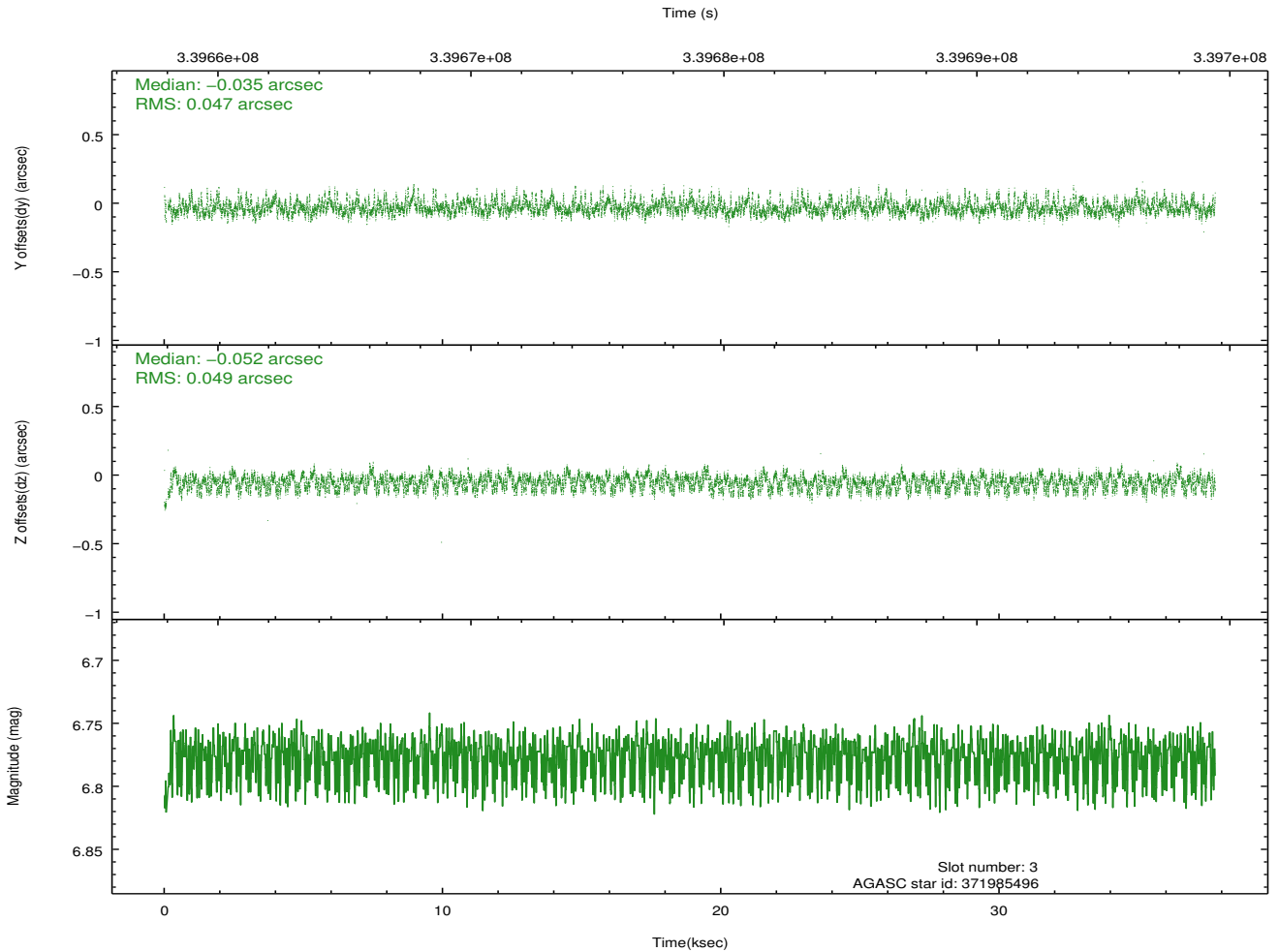
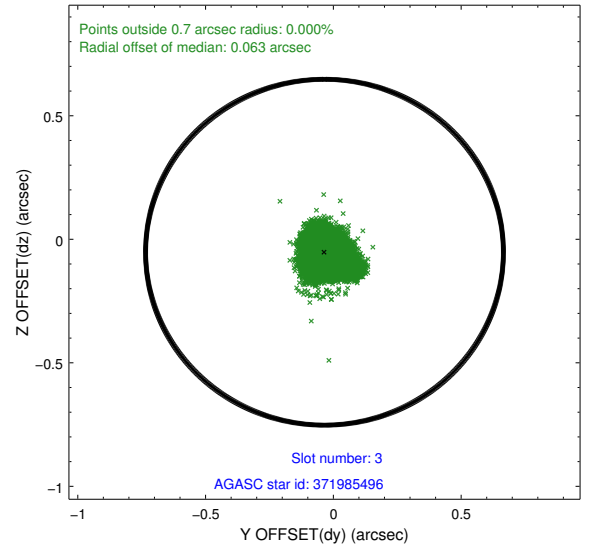
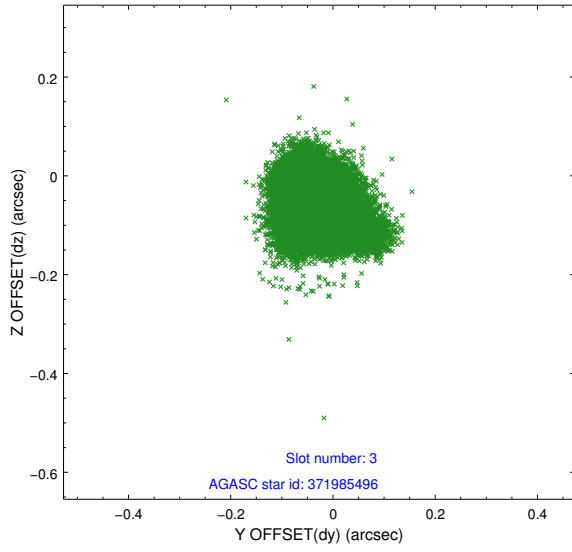


Slot Statistics

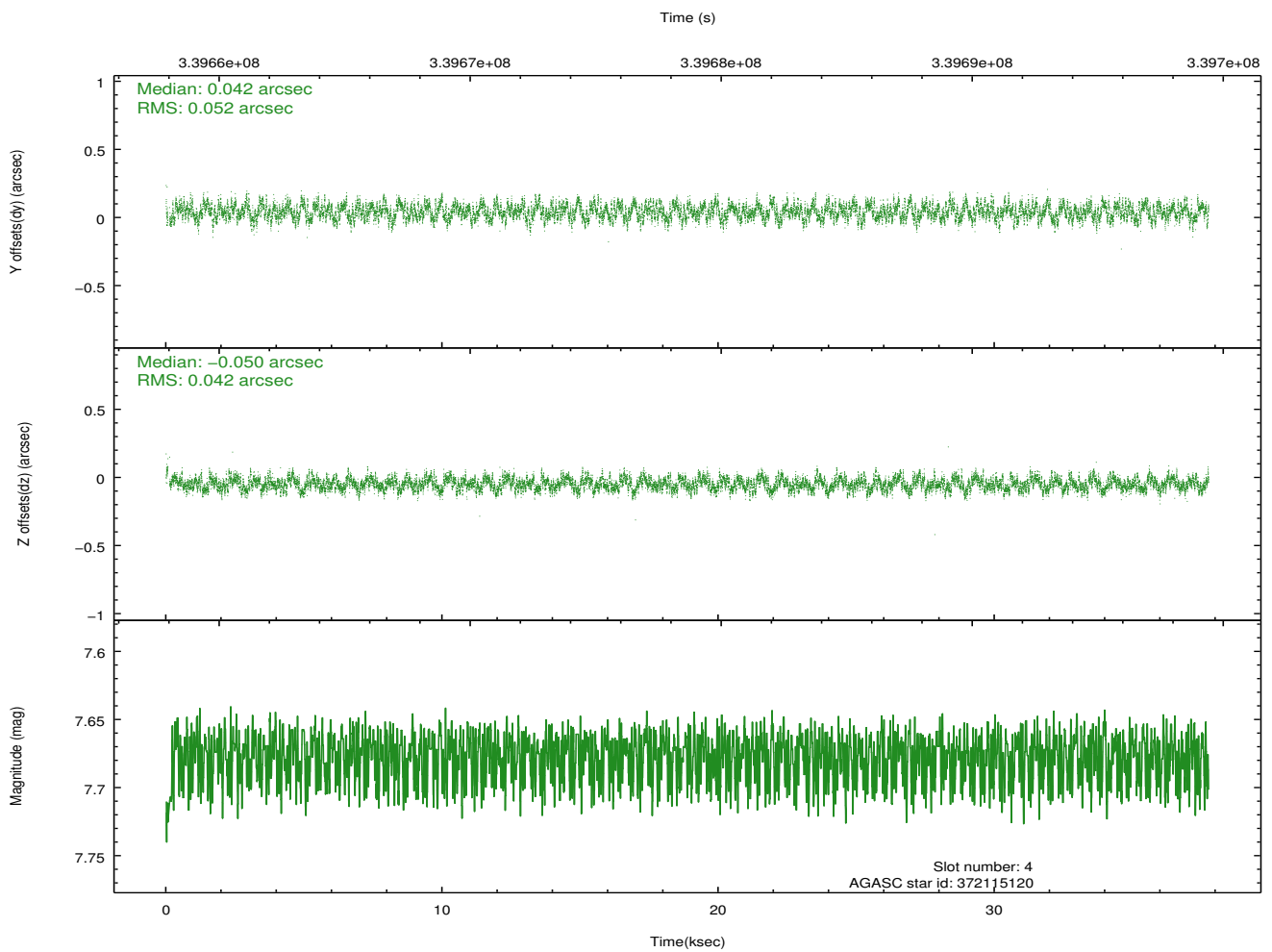
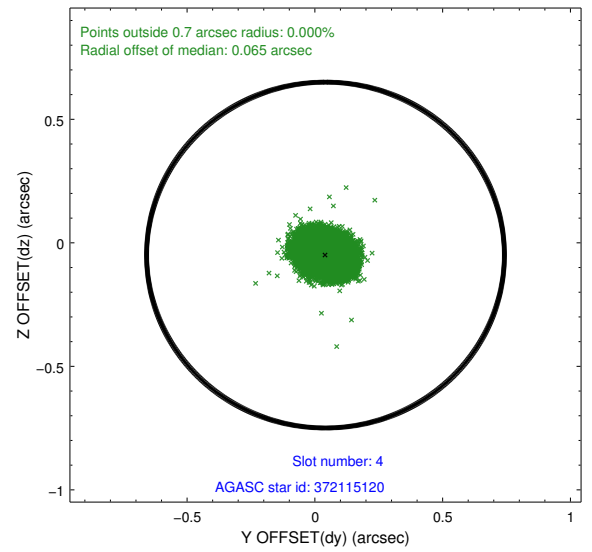
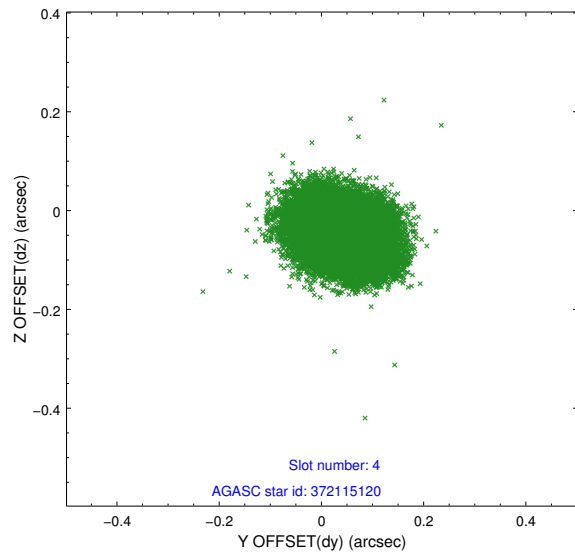
	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	ACIS-S-2	6.93	9196	-0.074	-0.021	0.017
	FID	ACIS-S-4	7.01	9196	0.183	0.042	0.011
	FID	ACIS-S-5	7.04	9192	-0.144	-0.011	0.017
	GUIDE	371985496	6.78	18389	-0.035	-0.052	0.072
	GUIDE	372115120	7.68	18387	0.042	-0.050	0.072
	GUIDE	371986536	9.00	18369	-0.104	-0.158	0.084
	GUIDE	372642296	7.61	18387	0.091	0.261	0.057
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00	

2.4 Star Slots

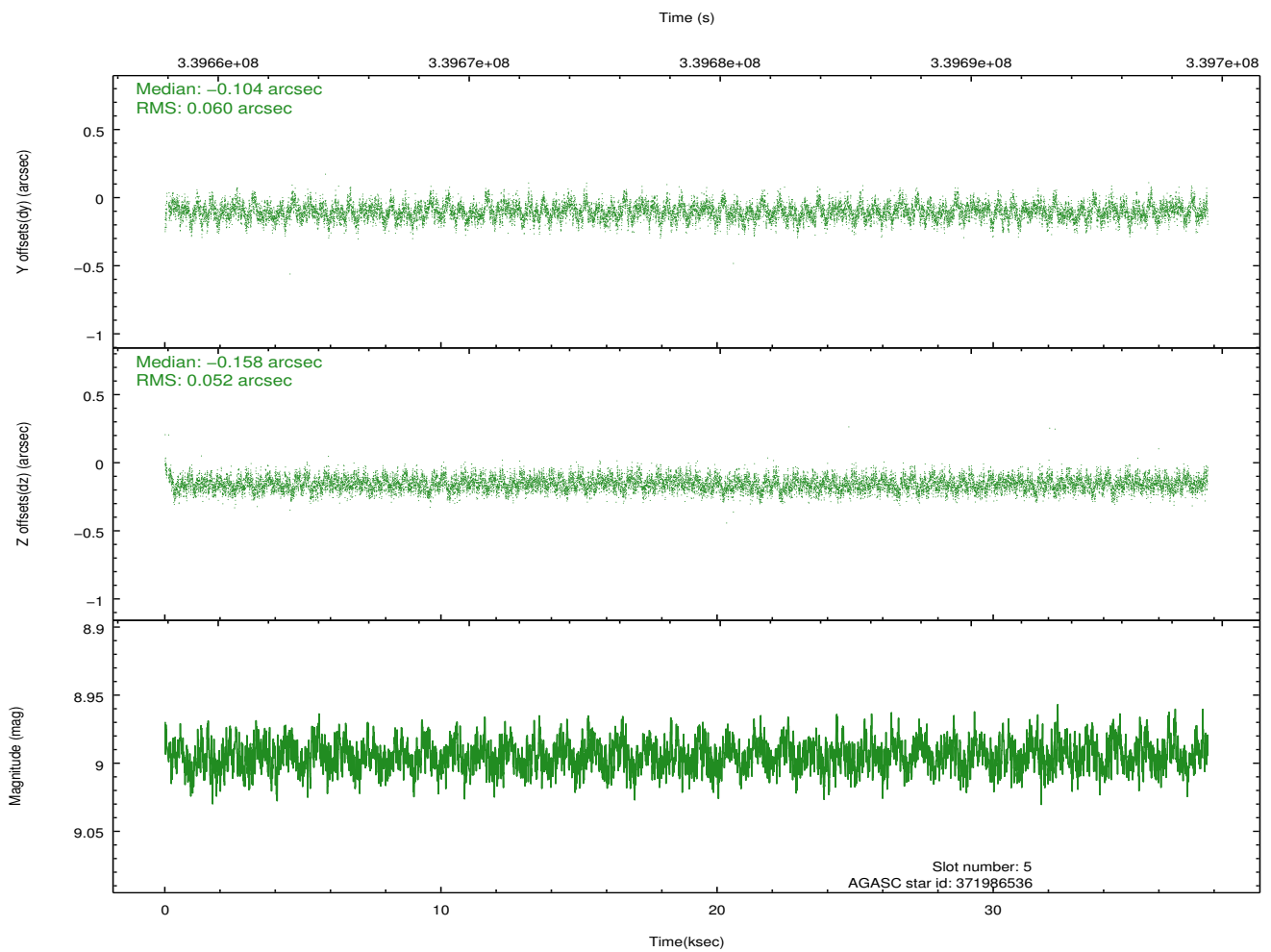
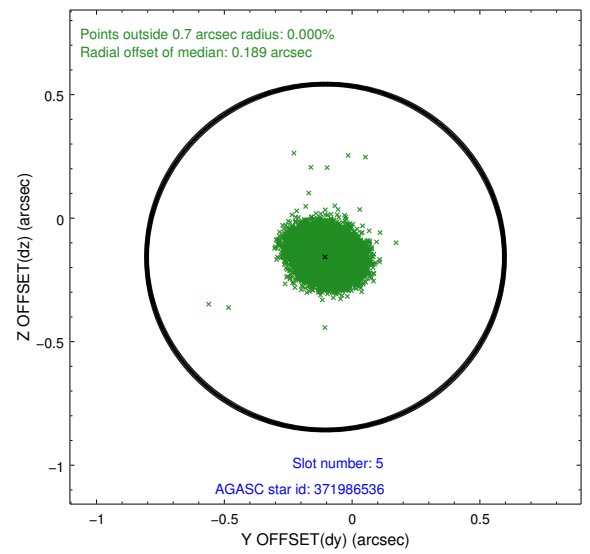
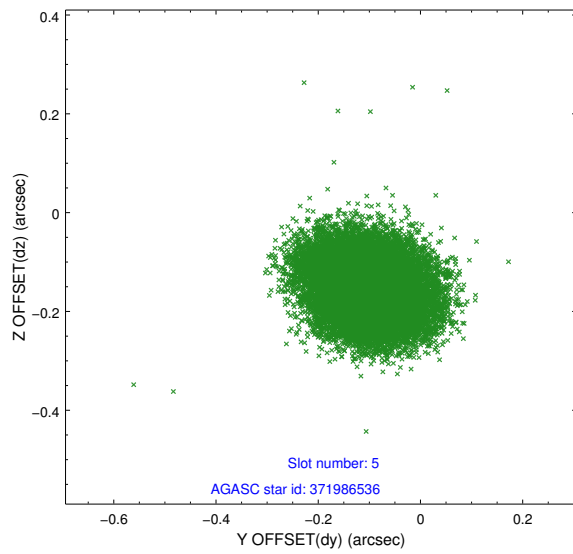
2.4.1 Slot 3



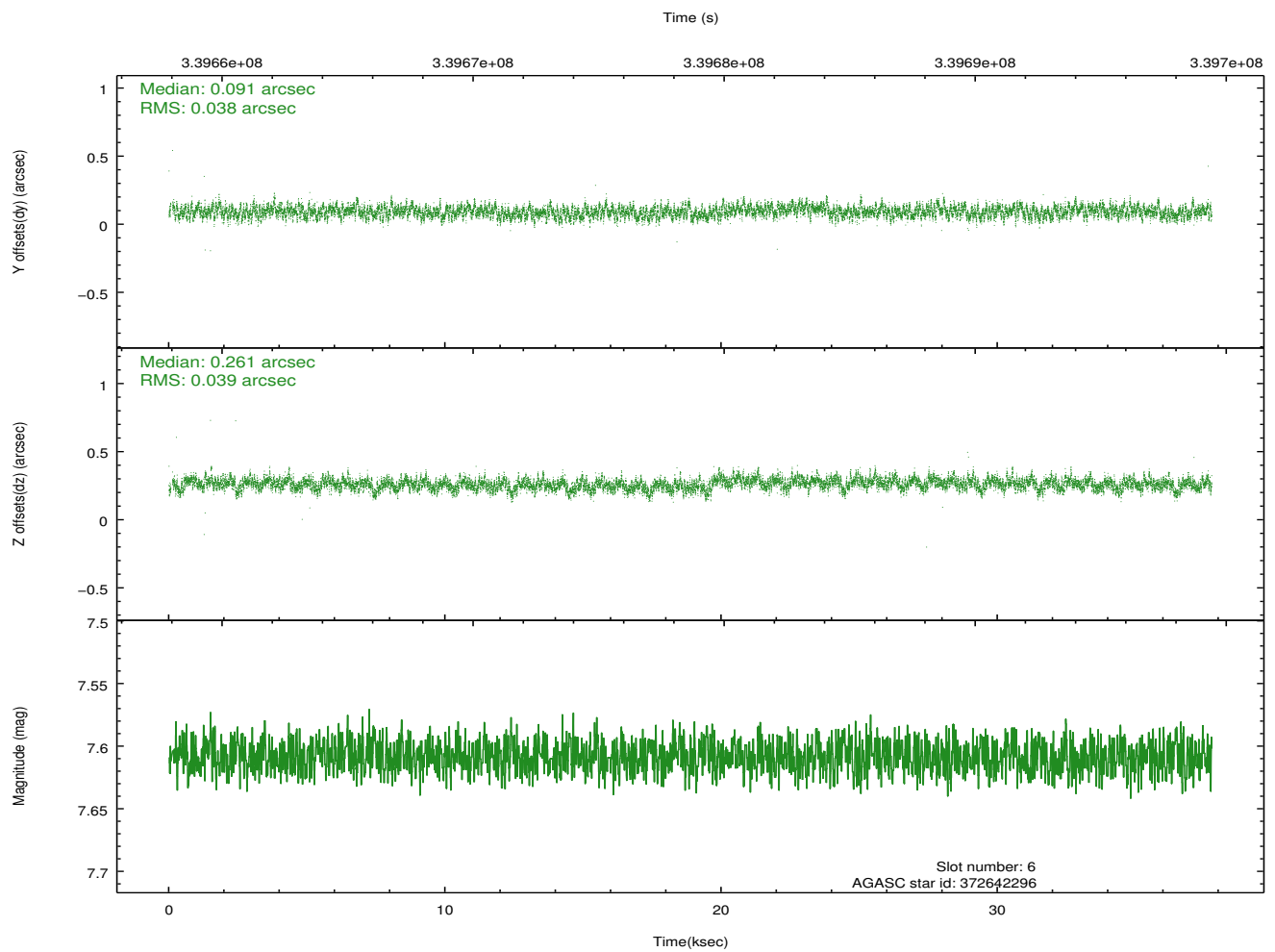
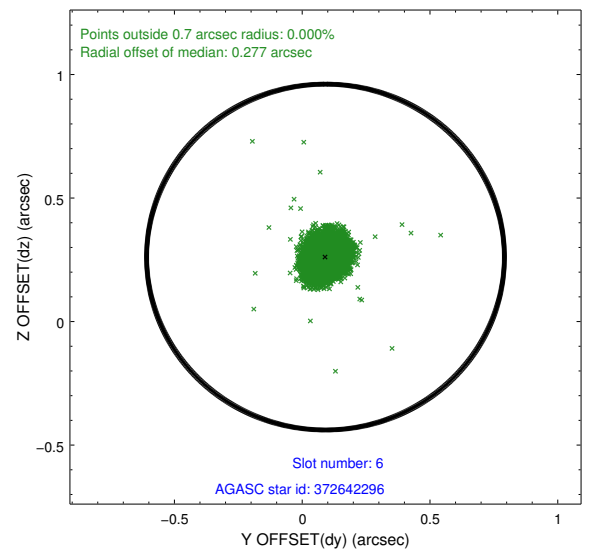
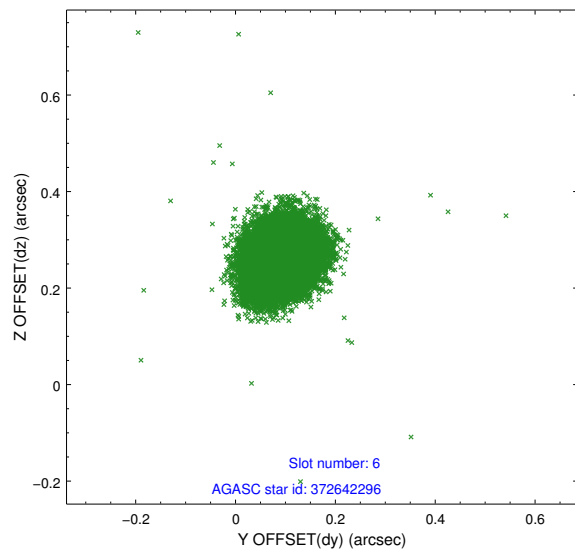
2.4.2 Slot 4



2.4.3 Slot 5

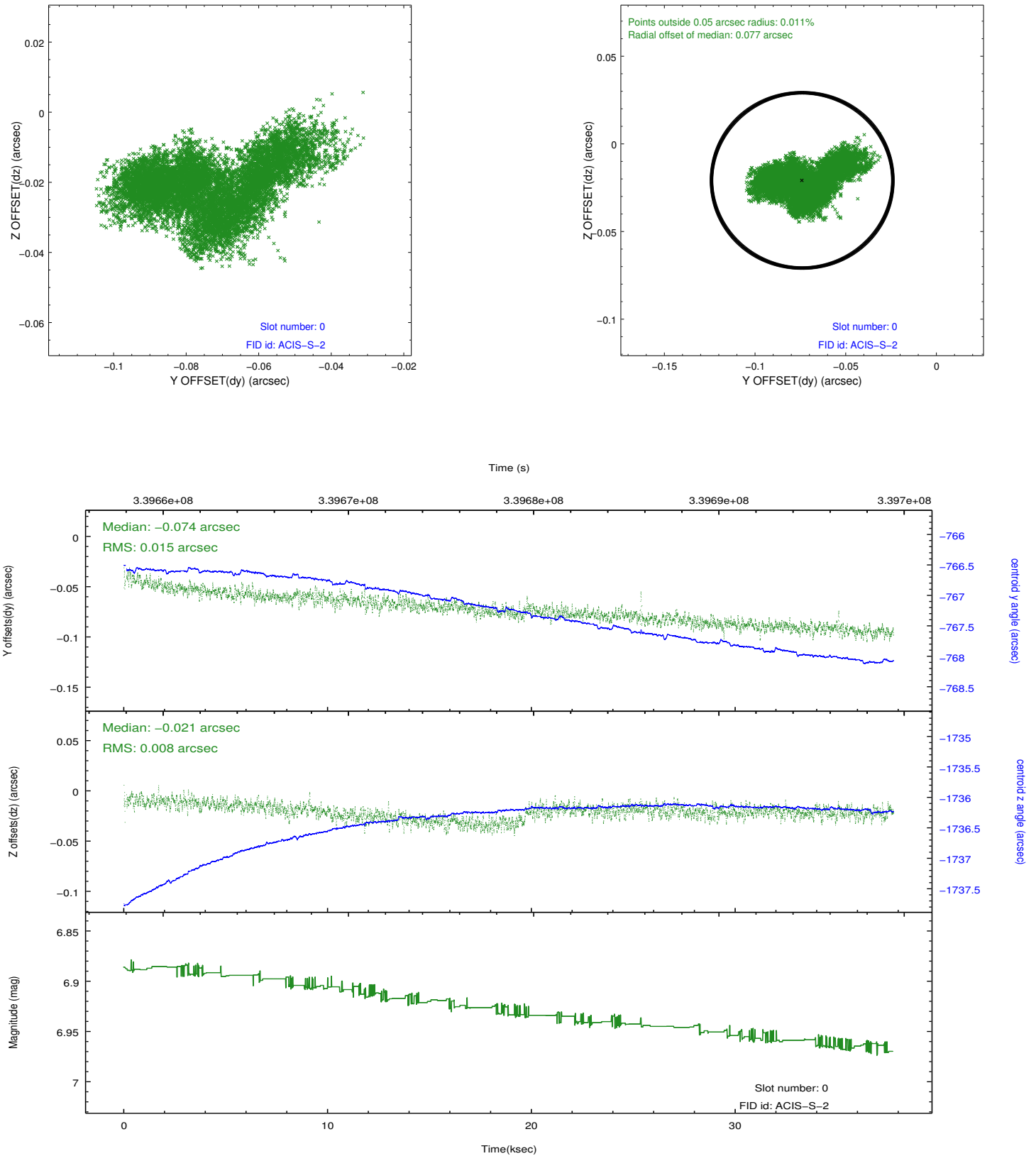


2.4.4 Slot 6

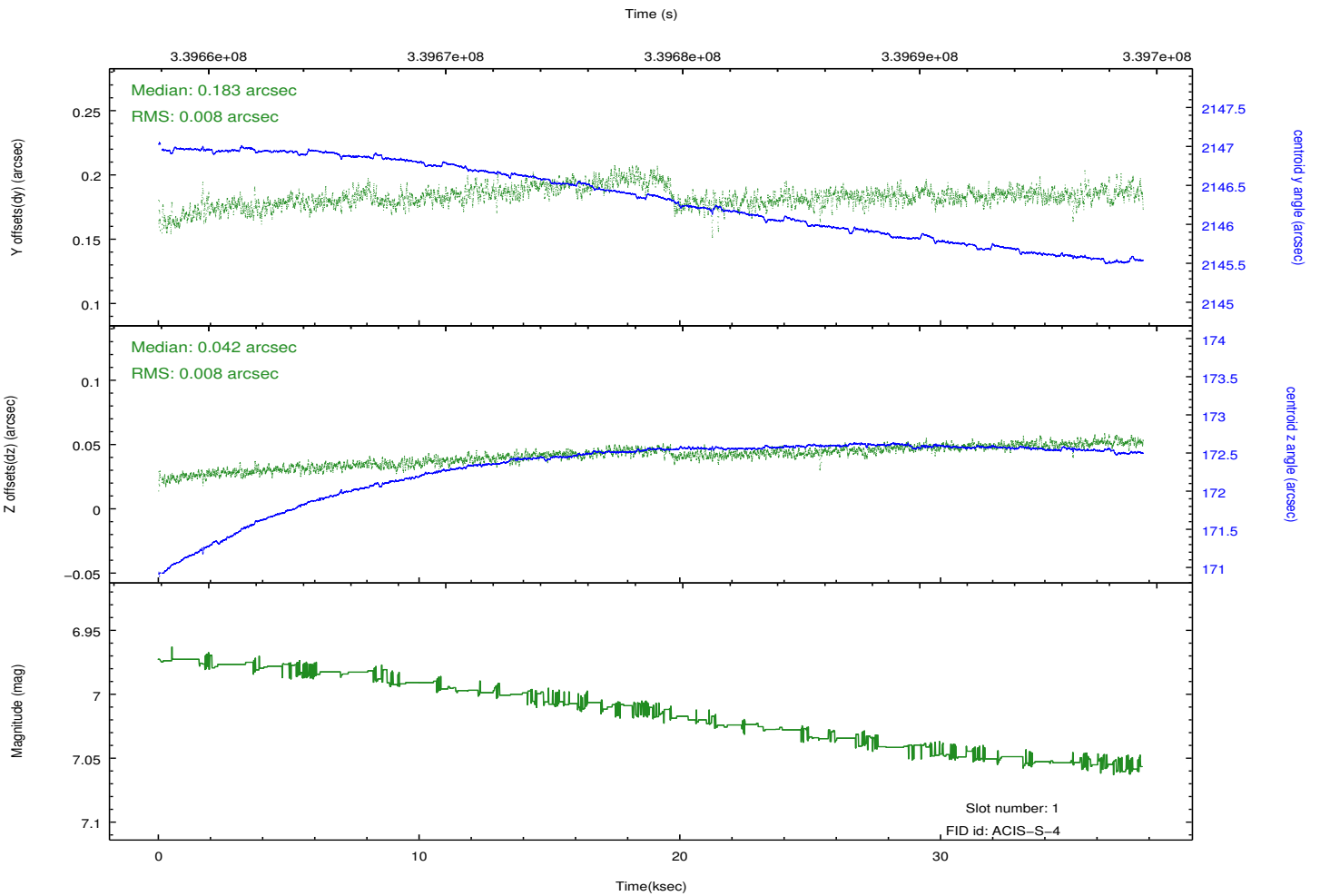
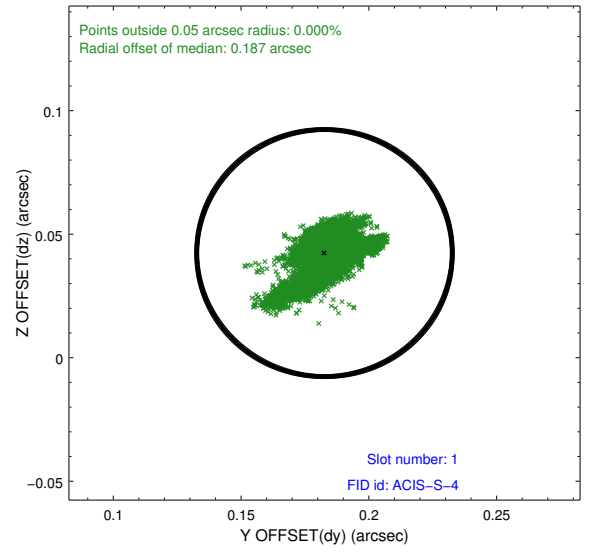
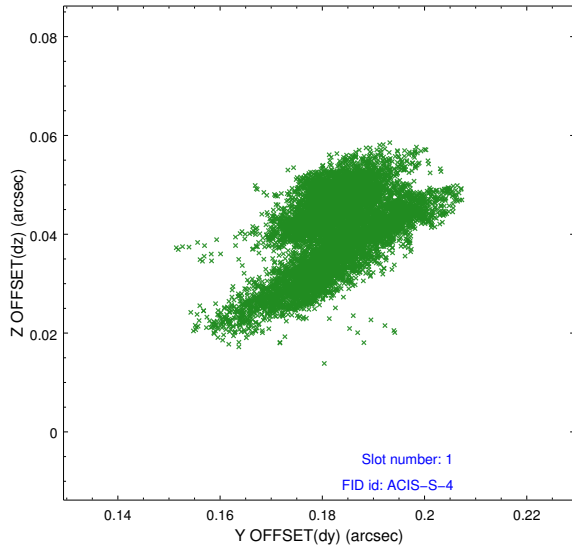


2.5 FID Slots

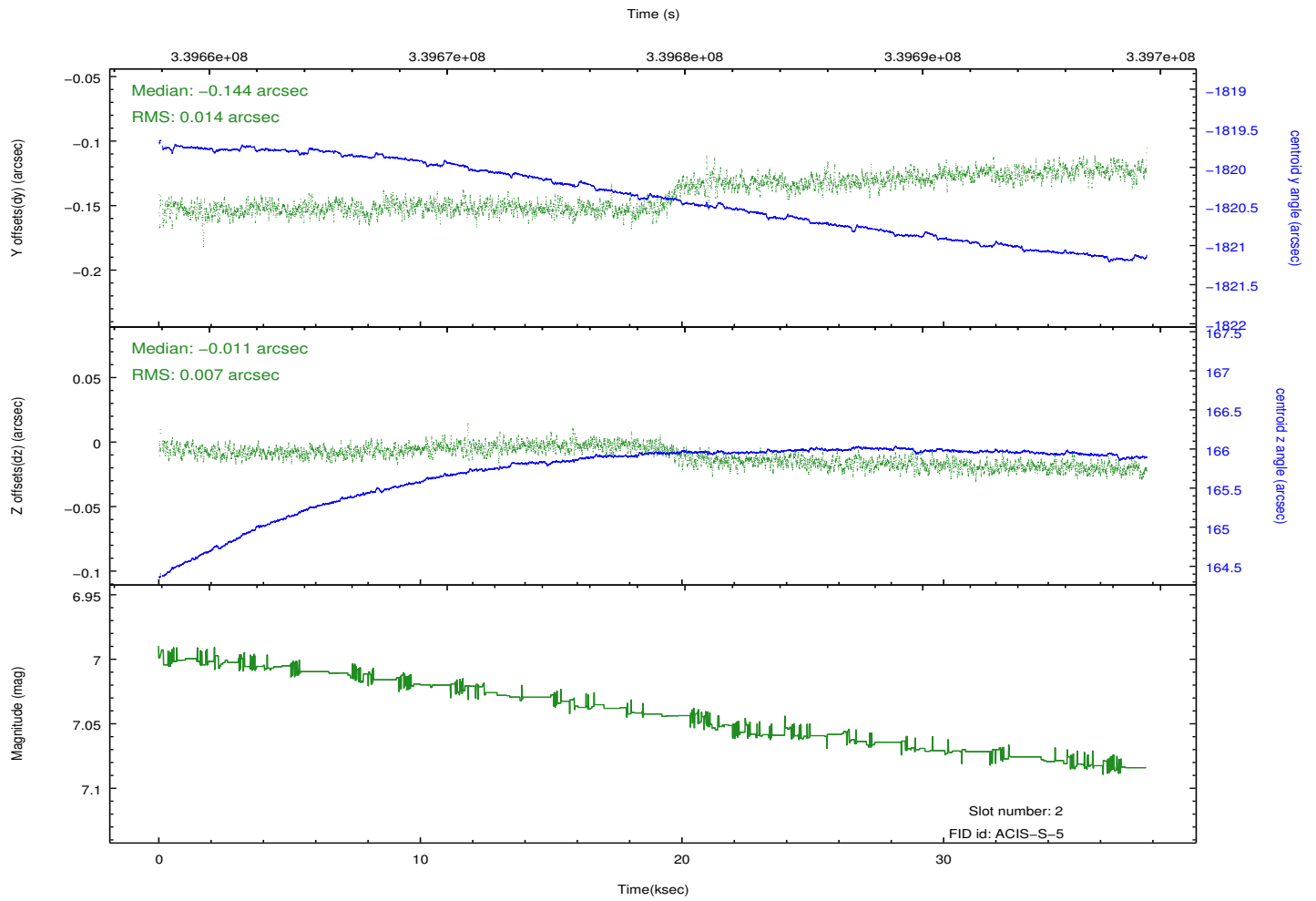
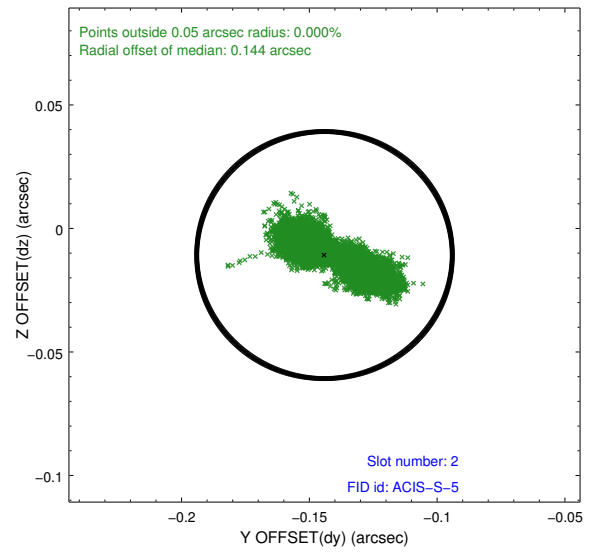
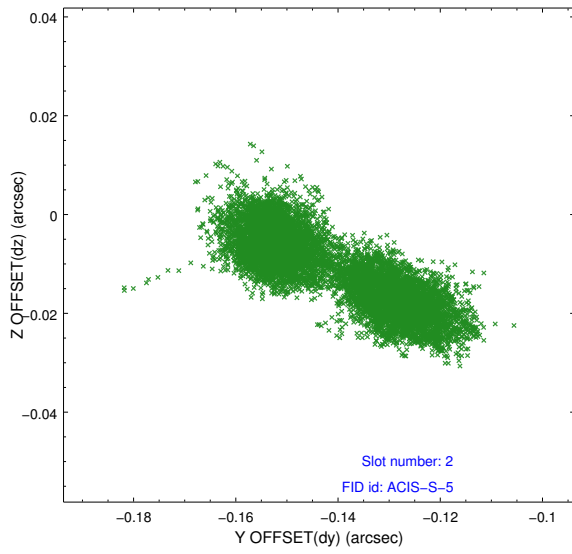
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.62325

A.2 Comments

Optical monitoring of target in guide star slot 7.