

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9209 - L2 Version 3
Chandra X-Ray Center

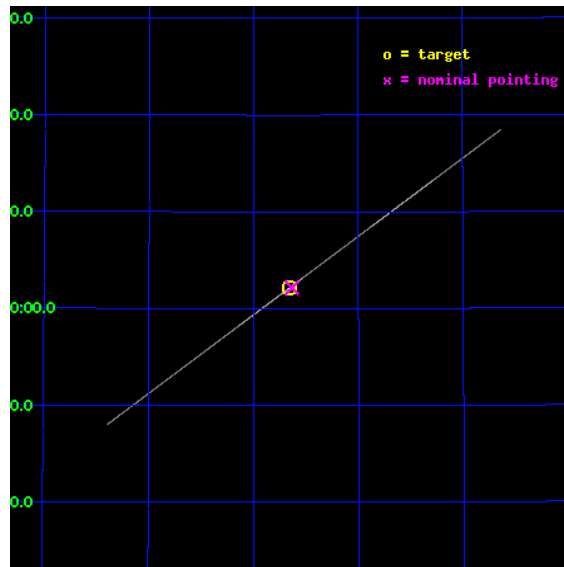
L2 Processing Date : Jul 19 2012

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1 Front

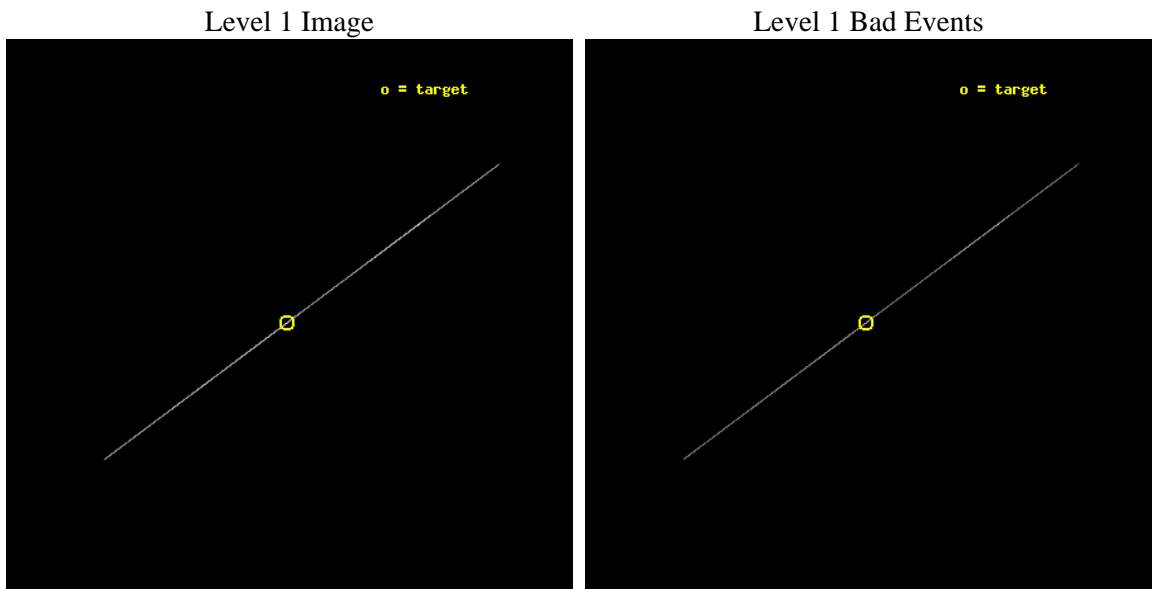
seq_num	701651	Sequence number
obs_id	9209	Observation id
title	Coordinated Multiwavelength Observations of New TeV Blazars Detected by VERITAS	Proposal title
observer	Prof. Markus Boettcher	Principal investigator
object	3C66A	Source name
ra_targ	35.665	Observer's specified target RA [deg]
dec_targ	43.035556	Observer's specified target Dec [deg]
ra_nom	35.658402463452	Nominal RA [deg]
dec_nom	43.035974578167	Nominal Dec [deg]
roll_nom	143.47629727099	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6185.25	Sum of GTIs [s]
livetime	6161.0888671875	Livetime [s]
ontime4	6185.25	Sum of GTIs [s]
ontime5	6185.25	Sum of GTIs [s]
ontime6	6185.25	Sum of GTIs [s]
ontime7	6185.25	Sum of GTIs [s]
ontime8	6185.25	Sum of GTIs [s]
ontime9	6185.25	Sum of GTIs [s]
l2events	133946	Number of level 2 events



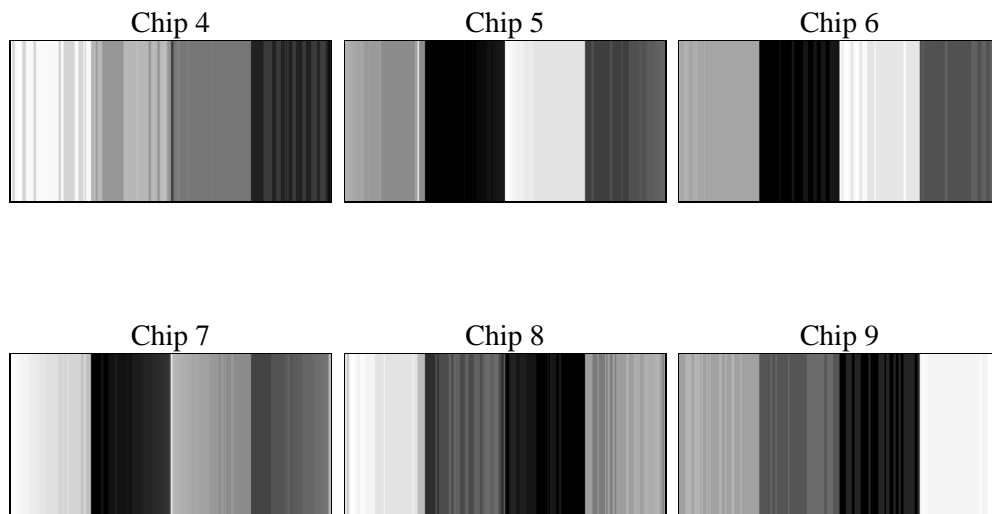
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6185.25	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	6185.25	Sum of GTIs [s]
date	2012-07-19T22:20:51	Date and time of file creation	ontime5	6185.25	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6185.25	Sum of GTIs [s]
			ontime7	6185.25	Sum of GTIs [s]
			ontime8	6185.25	Sum of GTIs [s]
			ontime9	6185.25	Sum of GTIs [s]
			l1events	218577	Number of level 1 events

2.1.4 Events

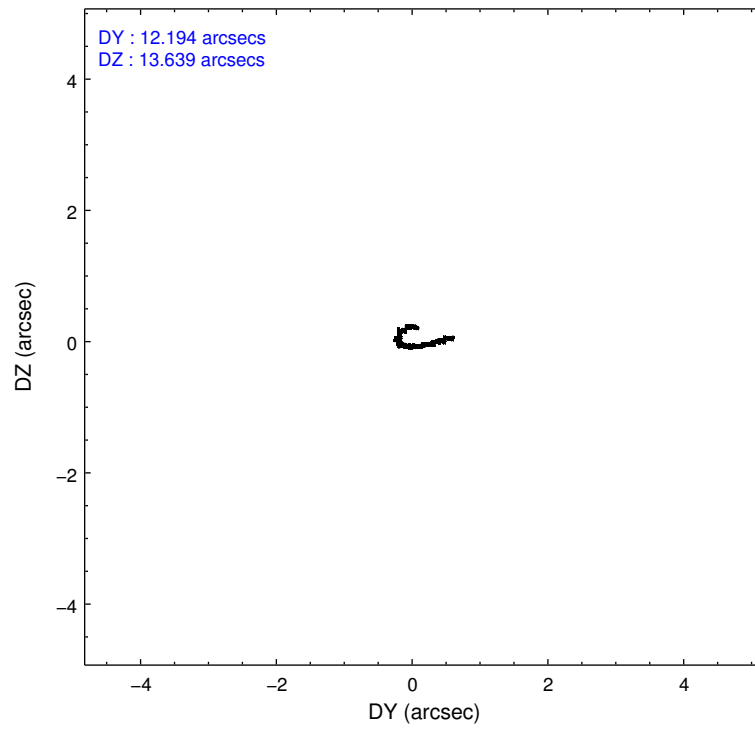
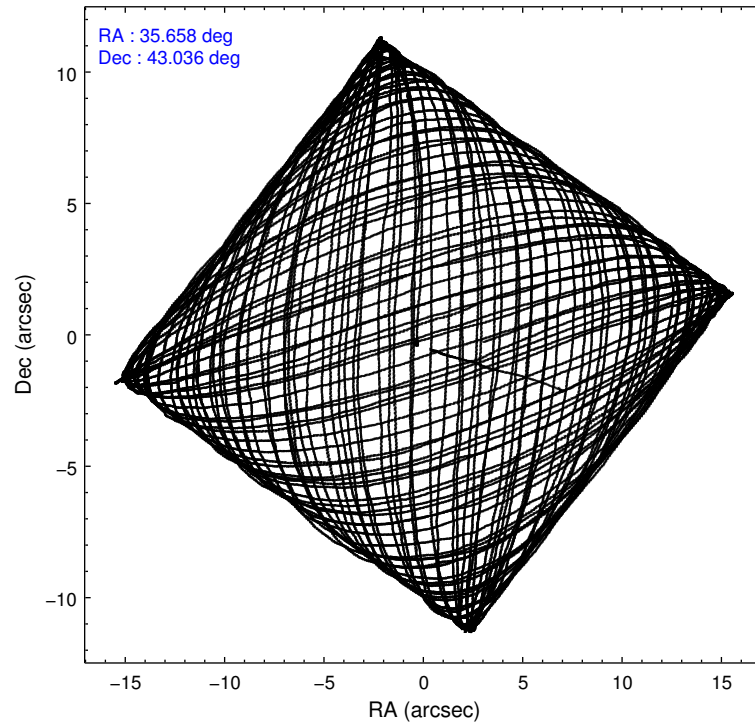
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	16806	68543	17148	63576	35236	17268
rejected events	4656	14182	5082	13701	8547	5148
rejected %	27%	20%	29%	21%	24%	29%

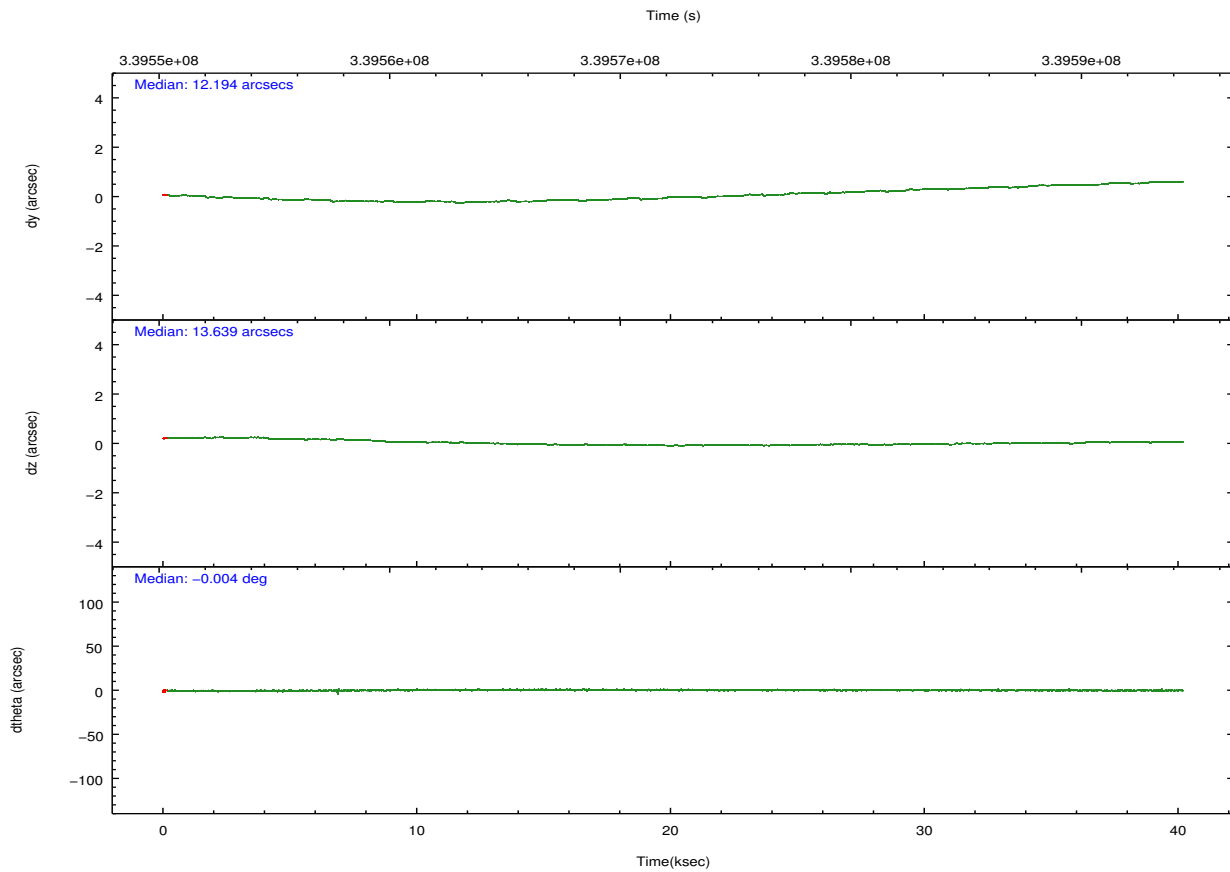
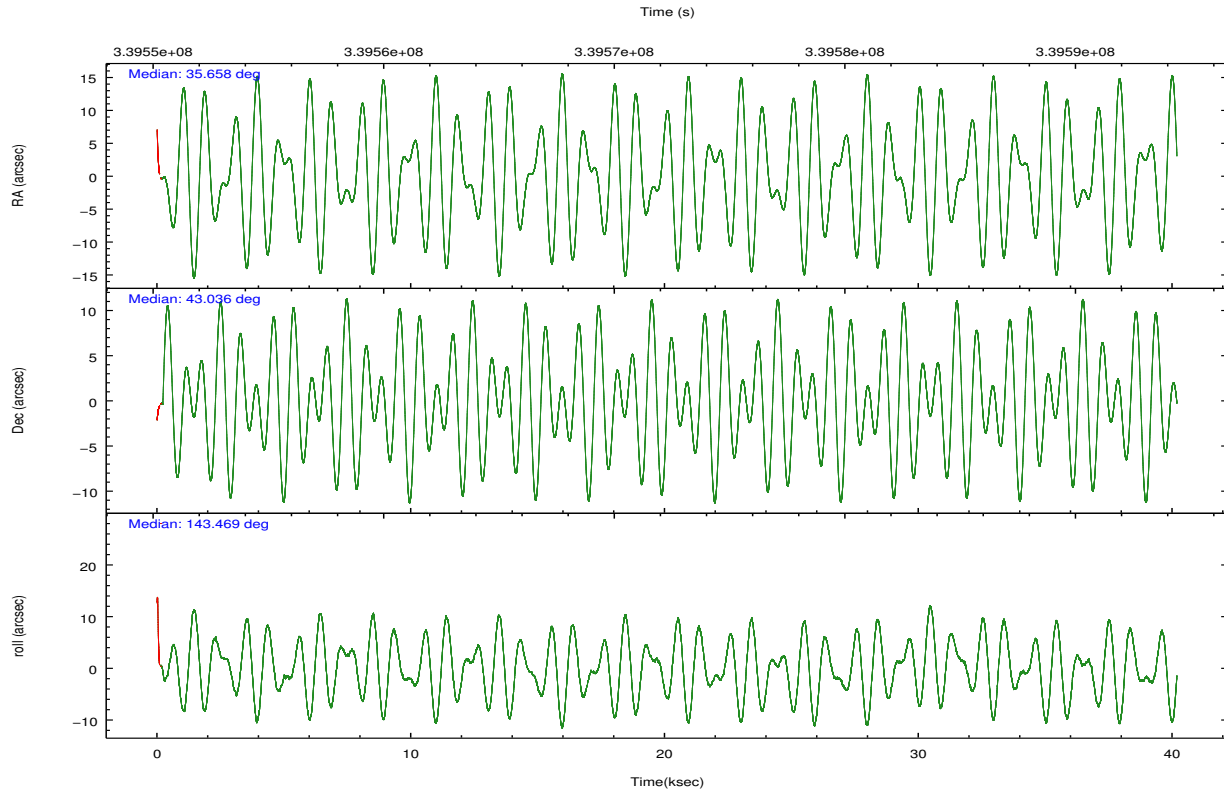
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	2031	12125	1801	8532	6137	2026
	12%	17%	10%	13%	17%	11%
grade 1 events	82	108	61	128	117	60
	0%	0%	0%	0%	0%	0%
grade 2 events	6039	18274	5885	14766	10758	5553
	35%	26%	34%	23%	30%	32%
grade 3 events	1572	1255	1536	4165	3073	1457
	9%	1%	8%	6%	8%	8%
grade 4 events	1642	1196	1410	4276	2932	1483
	9%	1%	8%	6%	8%	8%
grade 5 events	2770	6373	3222	7761	4338	3392
	16%	9%	18%	12%	12%	19%
grade 6 events	2670	29212	3233	23948	7881	3297
	15%	42%	18%	37%	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	35.695606	35.65840246345215	CCD I2 on	N	N
[deg] Pointing Dec	43.033218	43.03597457816671	CCD I3 on	N	N
[deg] Pointing Roll	143.294272	143.4762972709905	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	339552386.184000	339551468.20987	CCD S5 on	O2	Y
Observation start date	2008-10-05T00:05:21	2008-10-04T23:51:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	339592386.184000	339593292.82442	On-chip summing requested	N	N
Observation end date	2008-10-05T11:12:01	2008-10-05T11:28:12	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



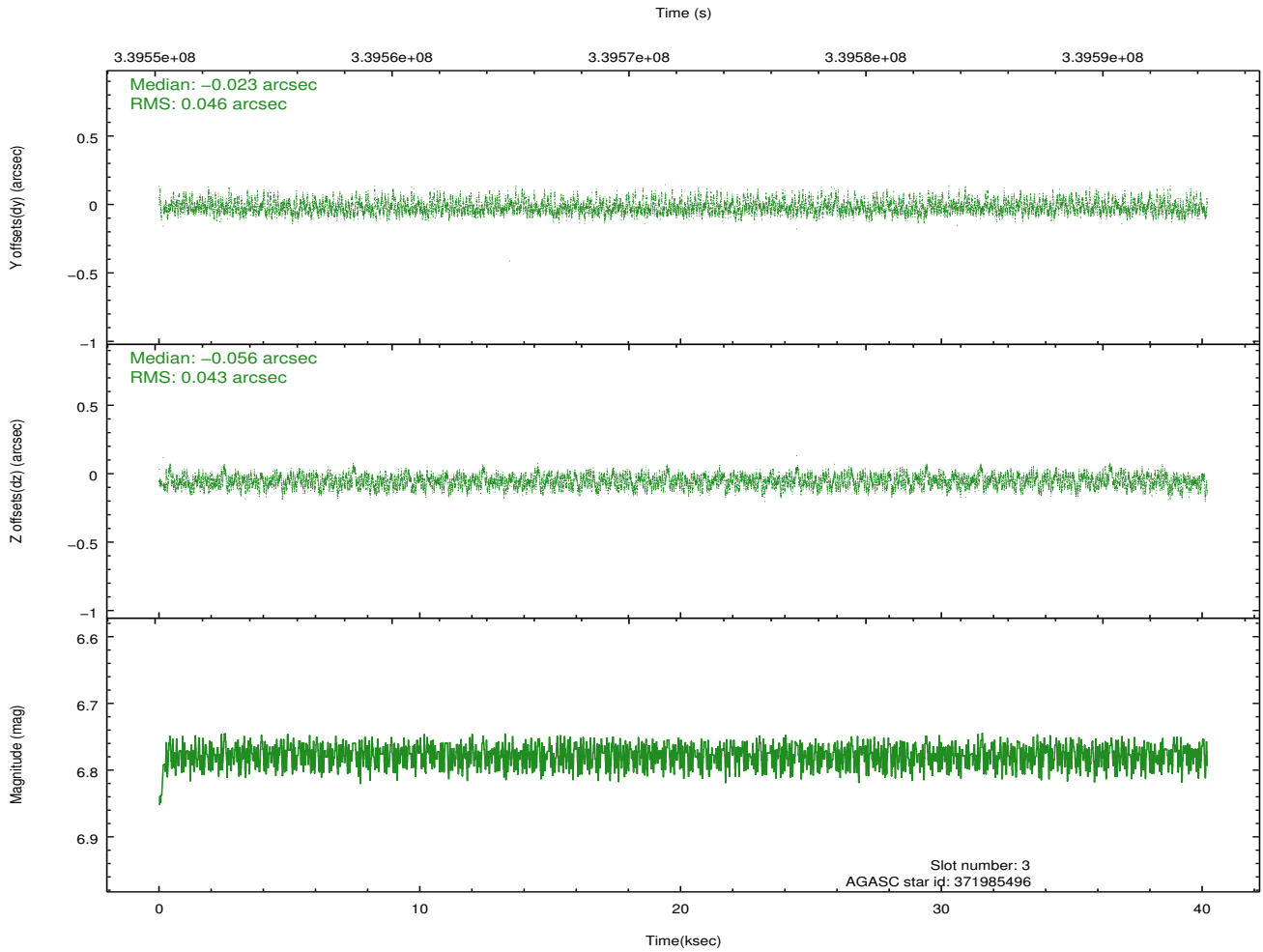
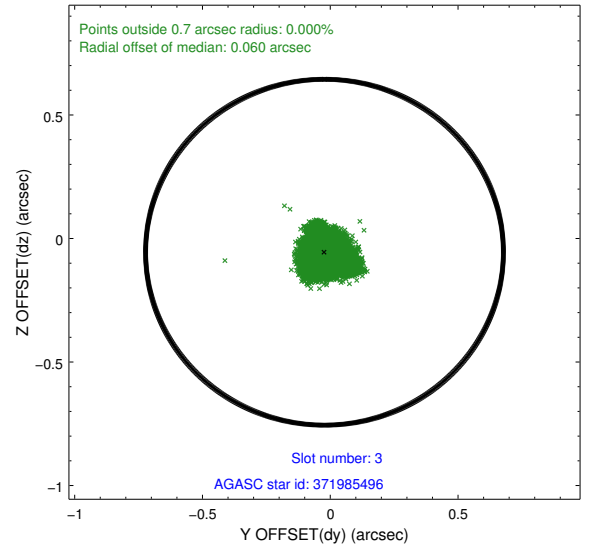
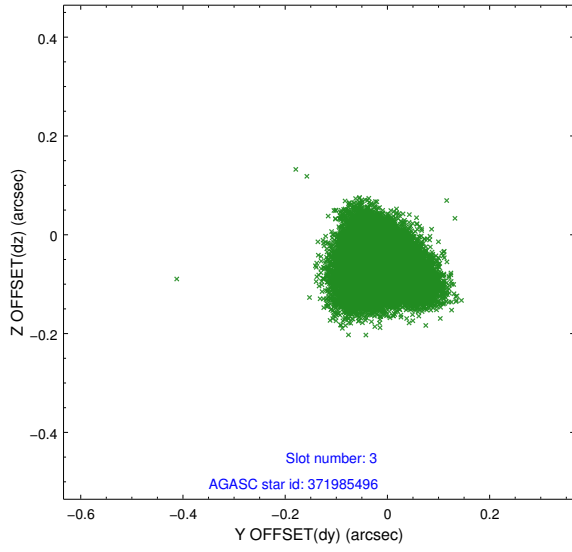


Slot Statistics

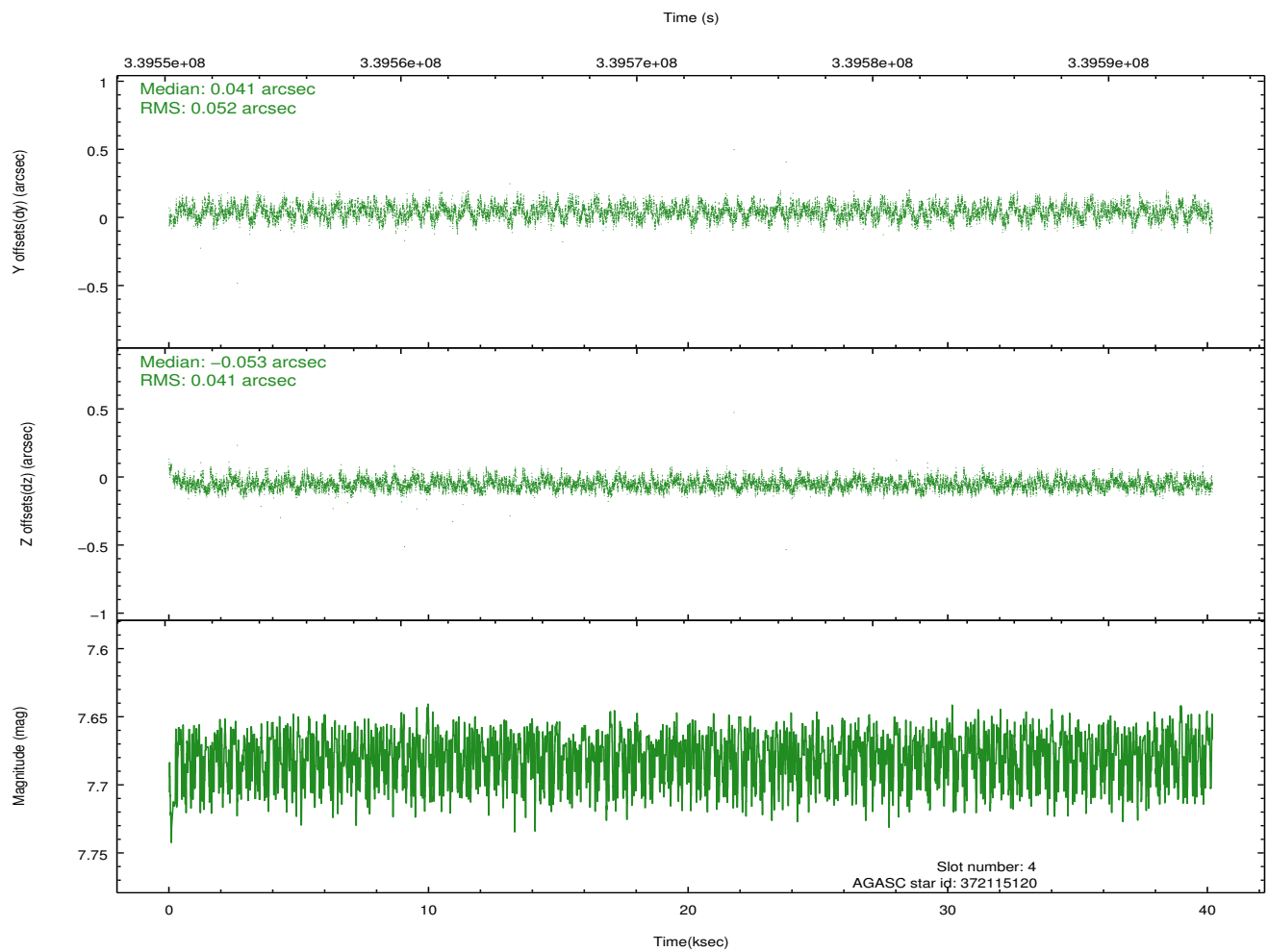
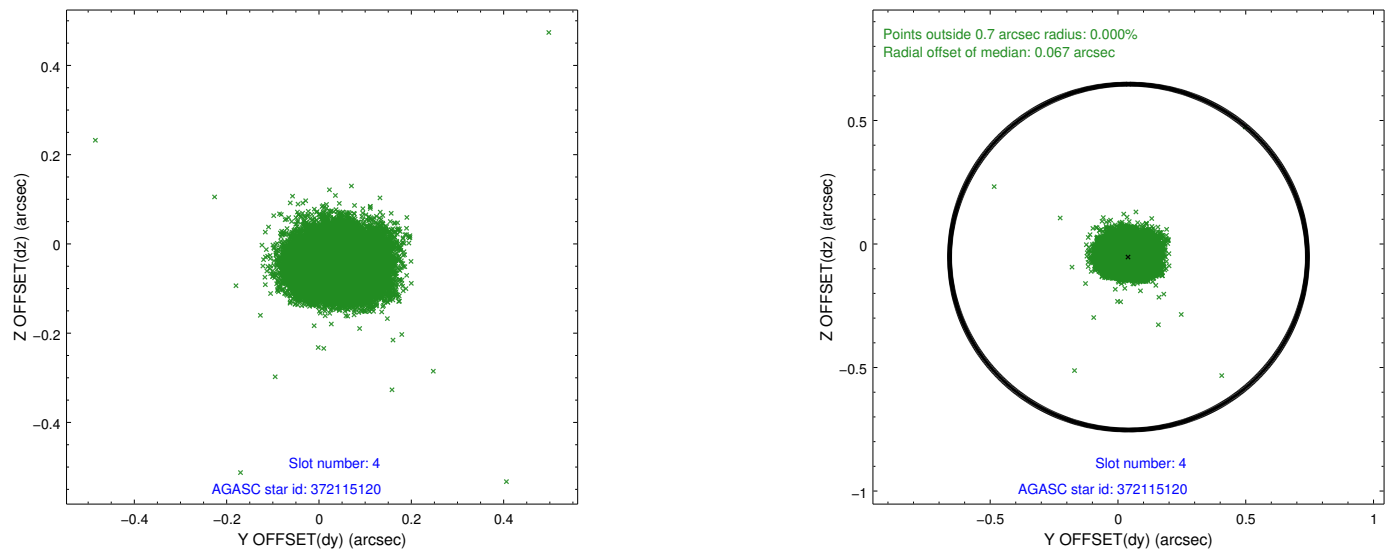
	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	ACIS-S-2	6.90	9789	-0.024	-0.027	0.009
	FID	ACIS-S-4	6.99	9787	0.114	0.019	0.009
	FID	ACIS-S-5	7.02	9786	-0.121	0.017	0.008
	GUIDE	371985496	6.78	19575	-0.023	-0.056	0.067
	GUIDE	372115120	7.68	19574	0.041	-0.053	0.071
	GUIDE	371986536	9.01	19562	-0.109	-0.143	0.107
	GUIDE	372642296	7.60	19569	0.085	0.250	0.062
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00	

2.4 Star Slots

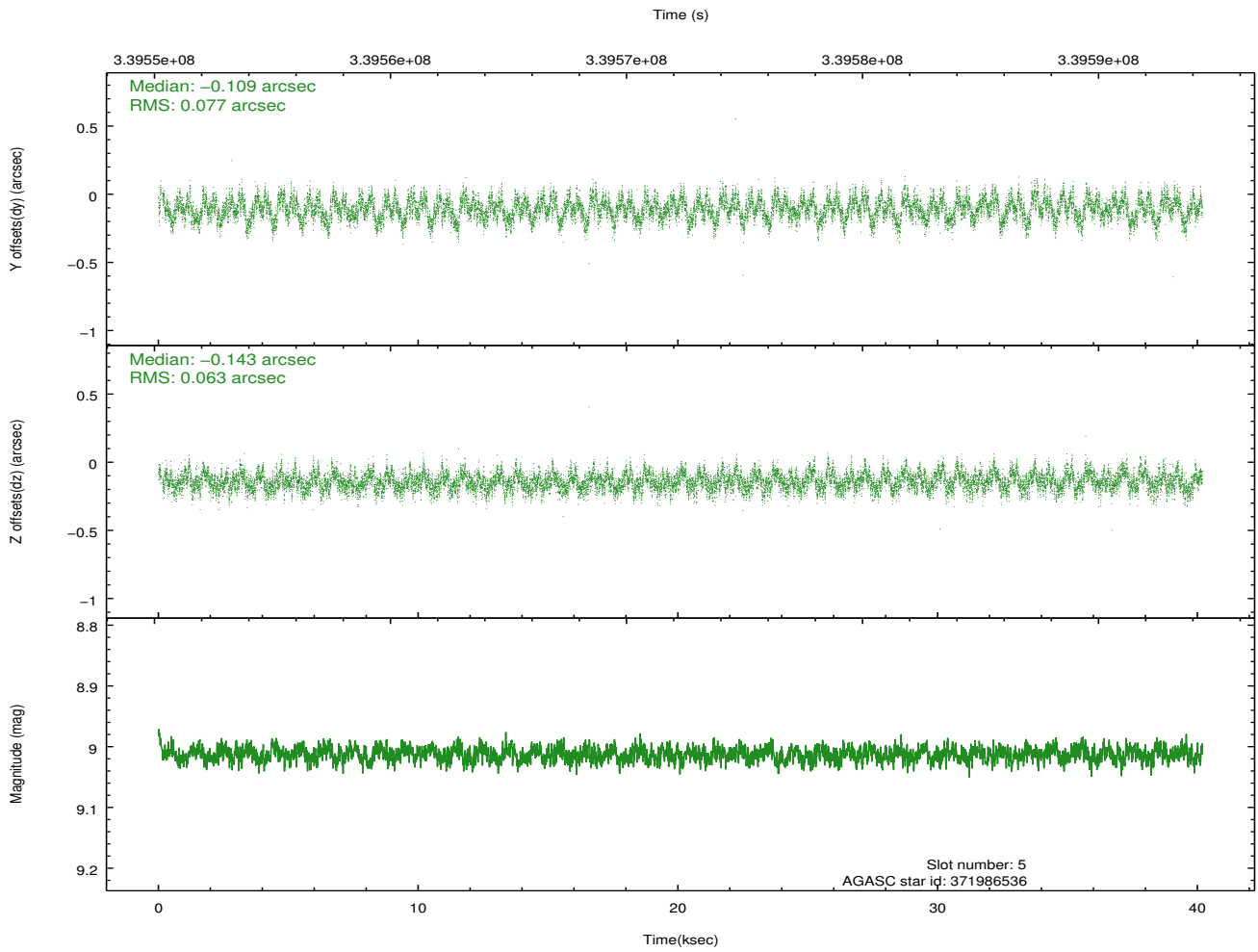
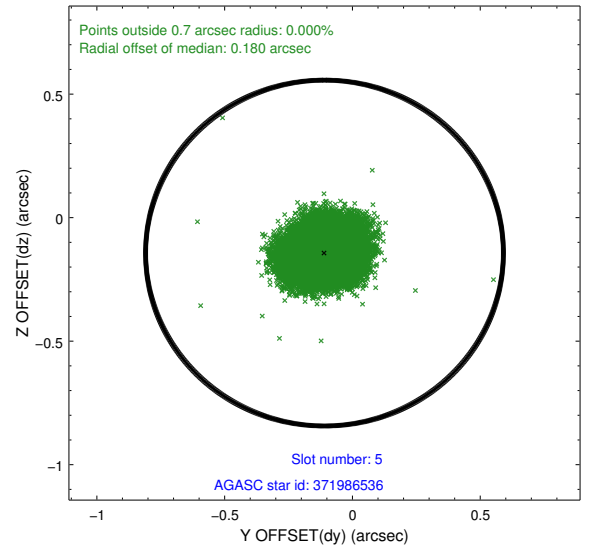
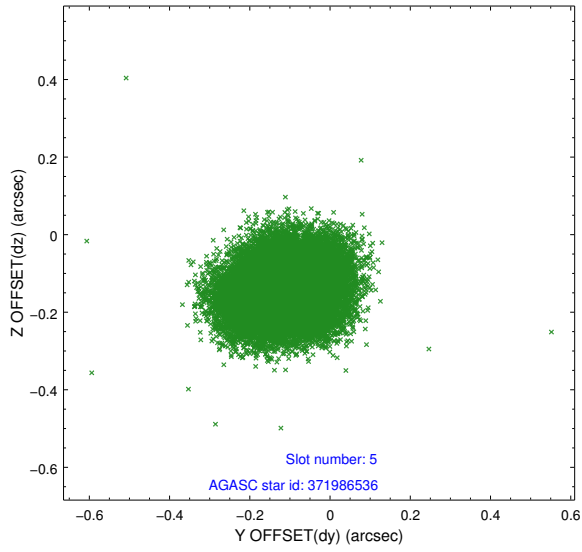
2.4.1 Slot 3



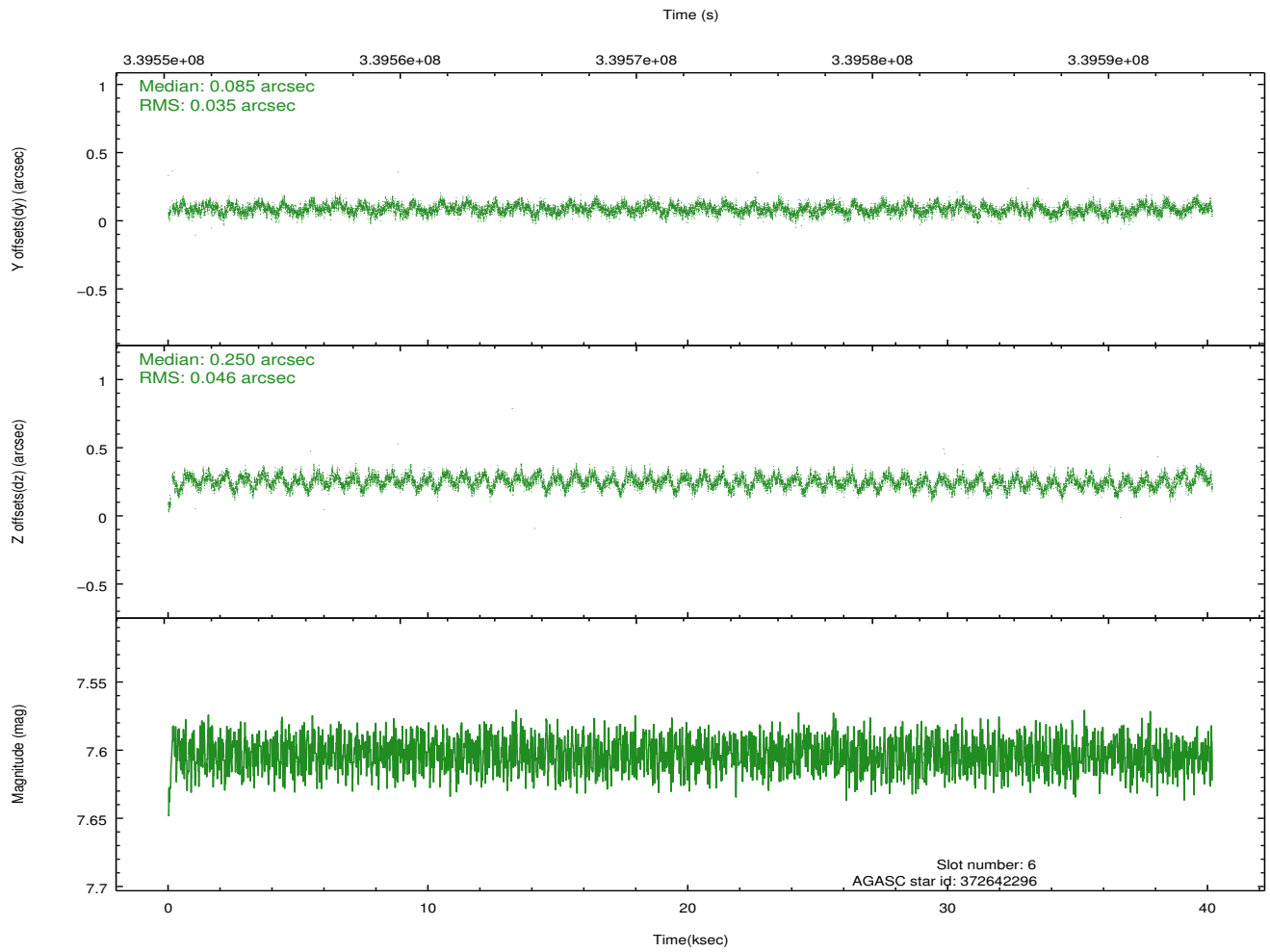
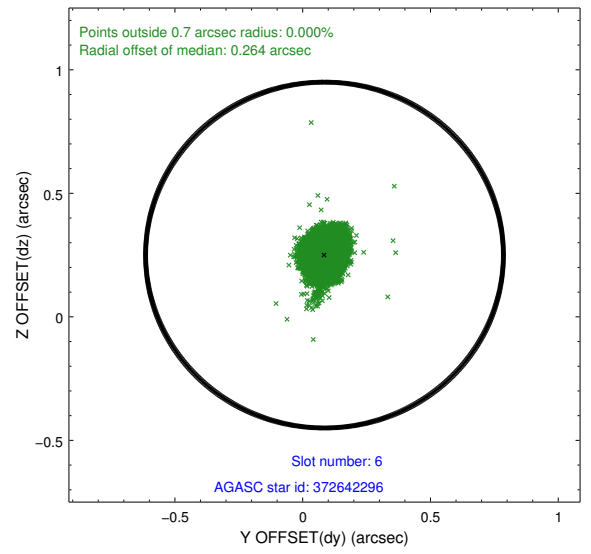
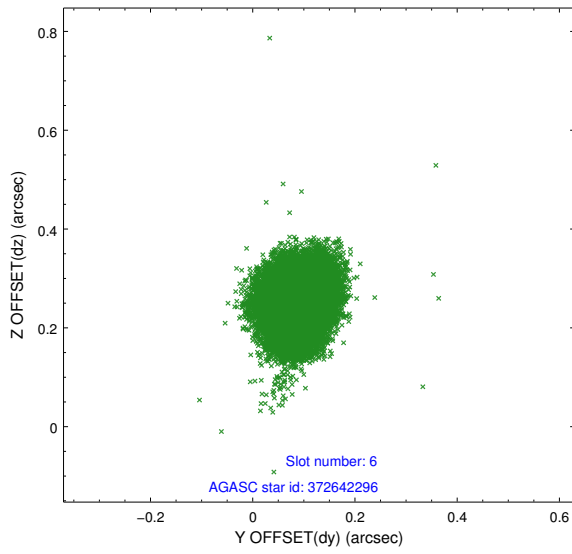
2.4.2 Slot 4



2.4.3 Slot 5

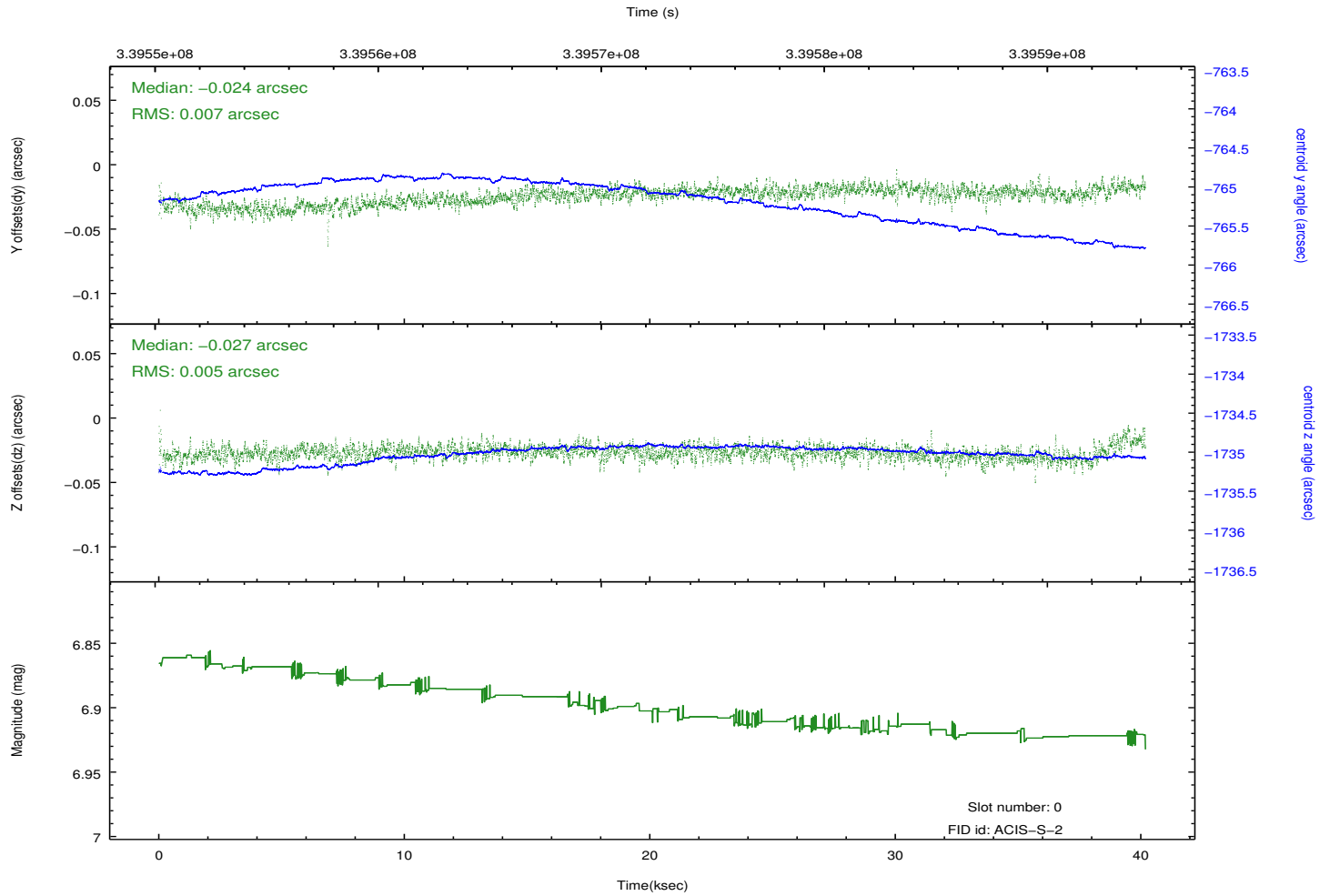
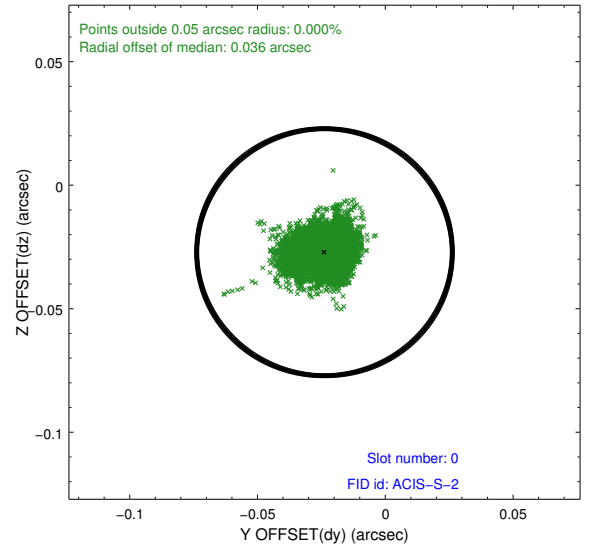
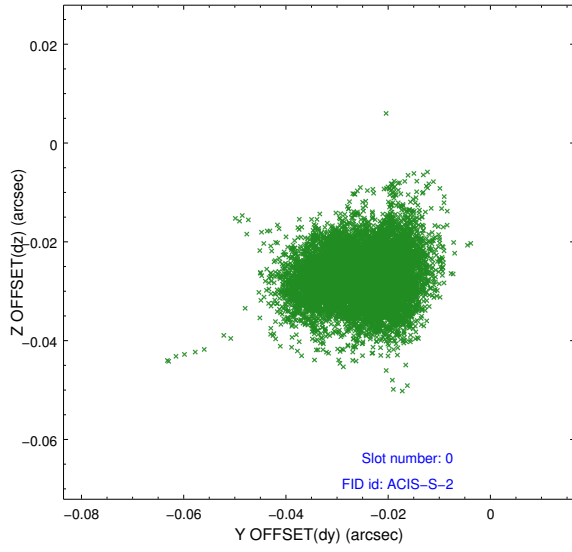


2.4.4 Slot 6

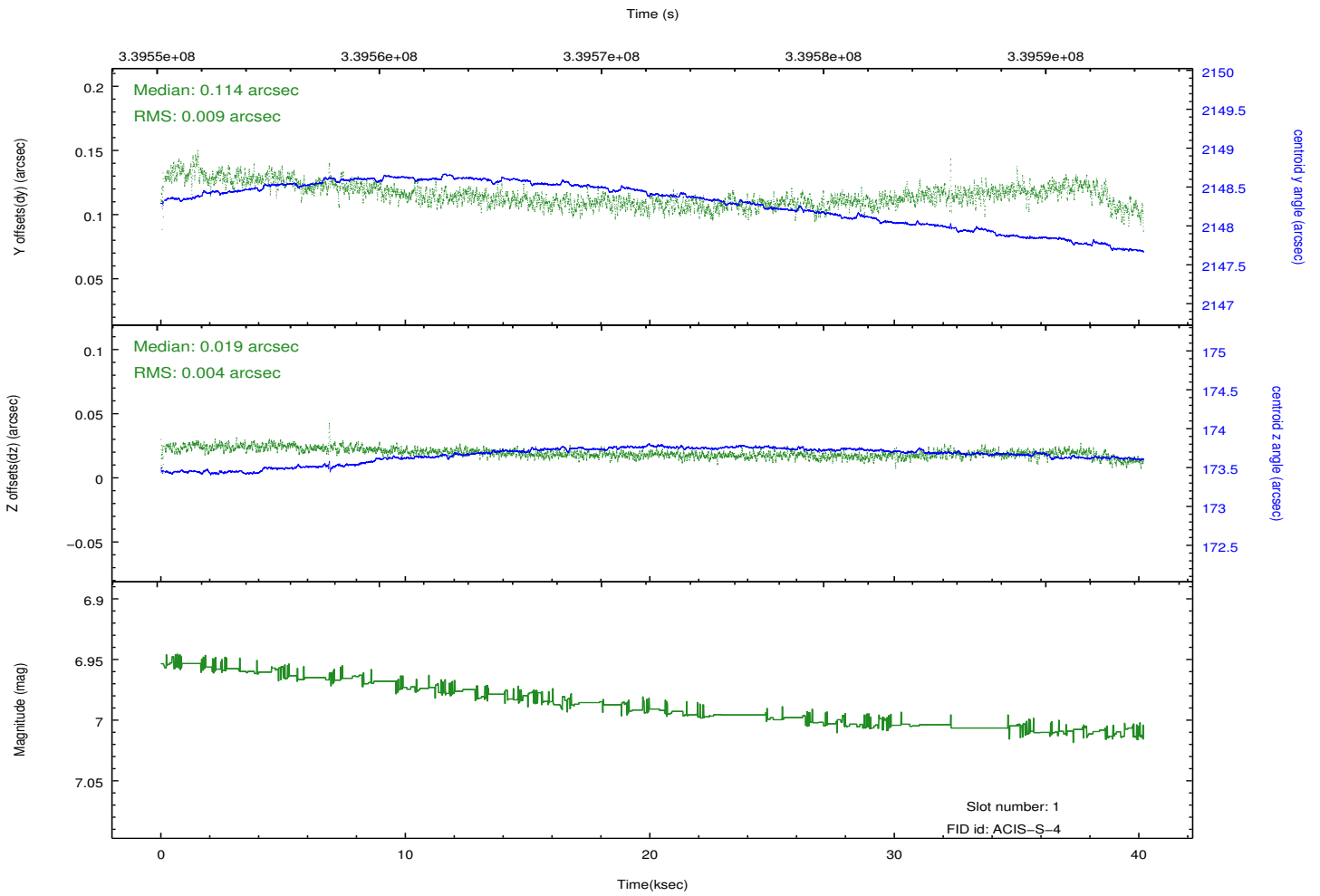
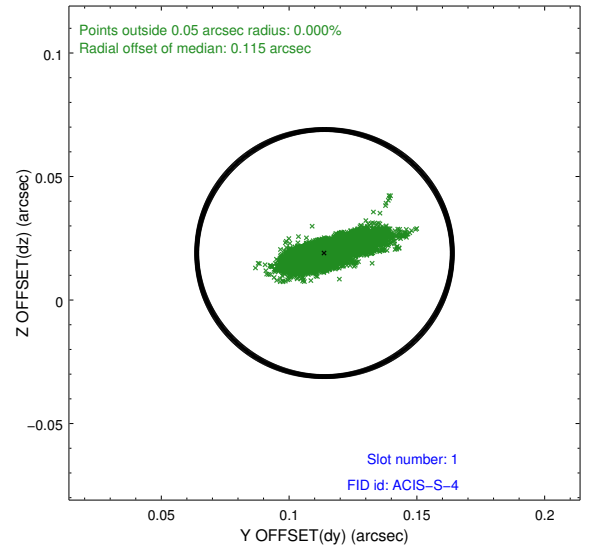
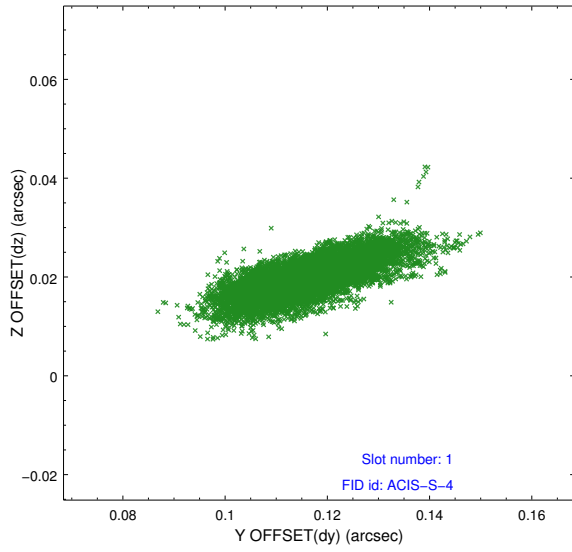


2.5 FID Slots

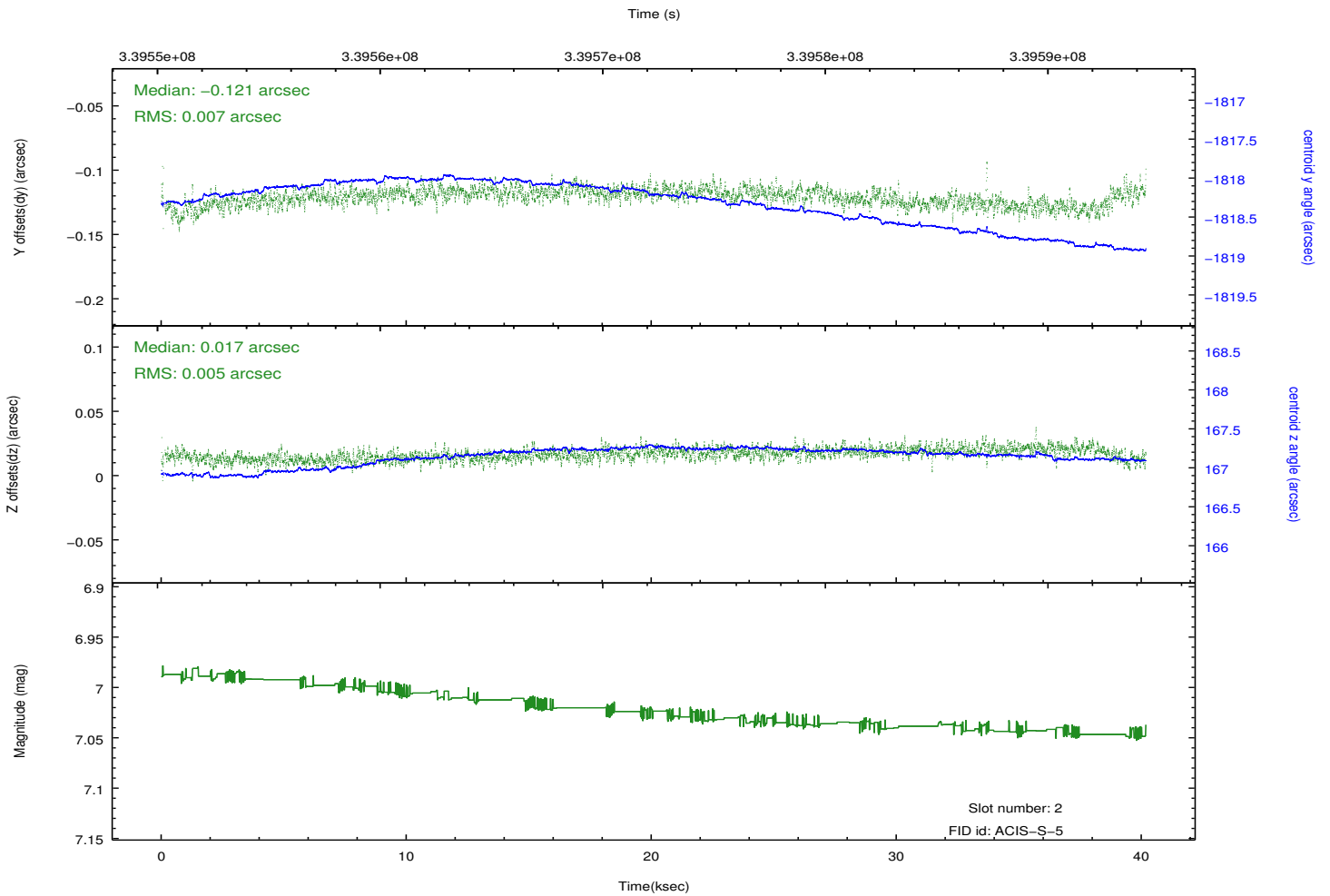
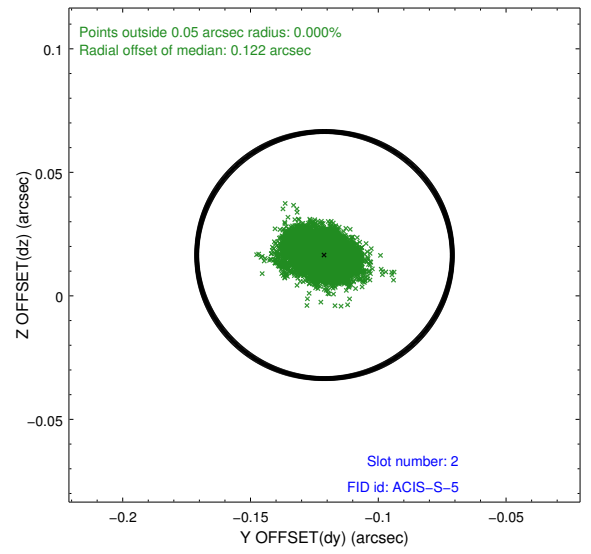
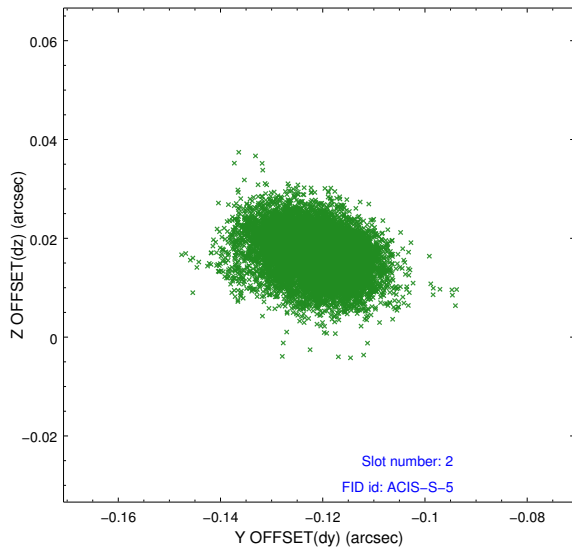
2.5.1 Slot 0



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)	2012.07.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.18525

A.2 Comments

Optical photometry of target in guide star slot 7. ACIS instrument suffered an anomaly during this observation, accounting for the short exposure time compared to the exposure time planned. Due to the anomaly, the ACIS science run report was not properly populated, preventing routine data processing. The ACIS science run report was edited manually to input the necessary parameters for data processing. These values are available in the parameter block file.