

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6681 - L2 Version 2
Chandra X-Ray Center

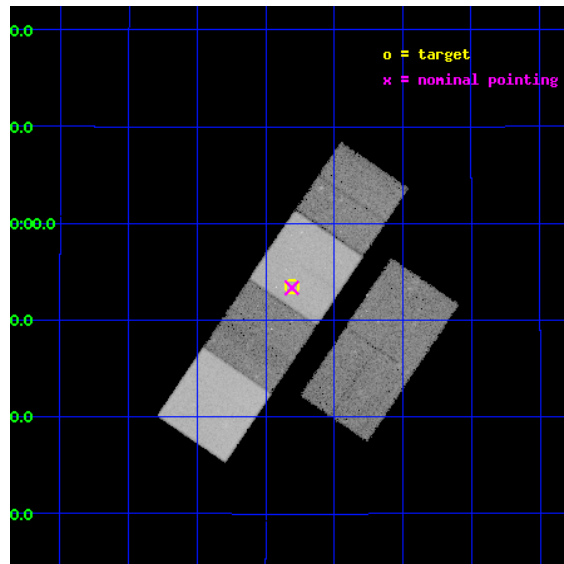
L2 Processing Date : Mar 21 2012

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1 Front

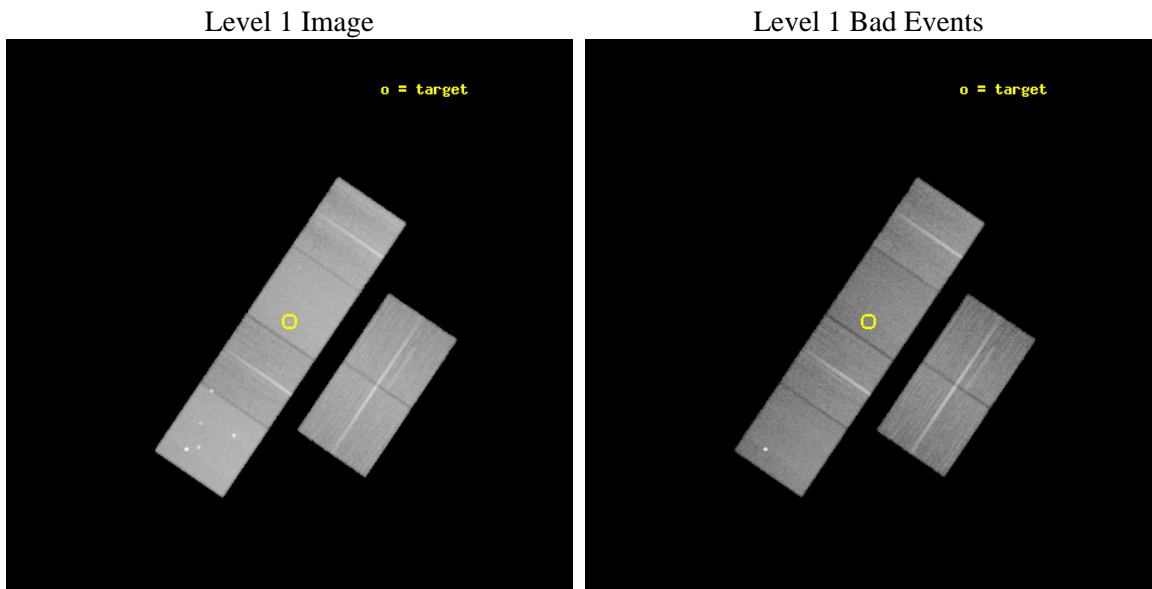
seq_num	500632	Sequence number
obs_id	6681	Observation id
title	A Day in the Life of a Short Gamma-Ray Burst	Proposal title
observer	Prof. David Burrows	Principal investigator
object	GRB 051221	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.702917	Observer's specified target RA [deg]
dec_targ	16.891167	Observer's specified target Dec [deg]
ra_nom	328.70221387224	Nominal RA [deg]
dec_nom	16.889210940824	Nominal Dec [deg]
roll_nom	304.10912611661	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30175.917927057	Sum of GTIs [s]
livetime	29793.812284508	Livetime [s]
ontime2	30175.917837441	Sum of GTIs [s]
ontime3	30175.917927057	Sum of GTIs [s]
ontime5	30175.917927057	Sum of GTIs [s]
ontime6	30175.917927057	Sum of GTIs [s]
ontime7	30175.917927057	Sum of GTIs [s]
ontime8	30175.917927057	Sum of GTIs [s]
l2events	396619	Number of level 2 events



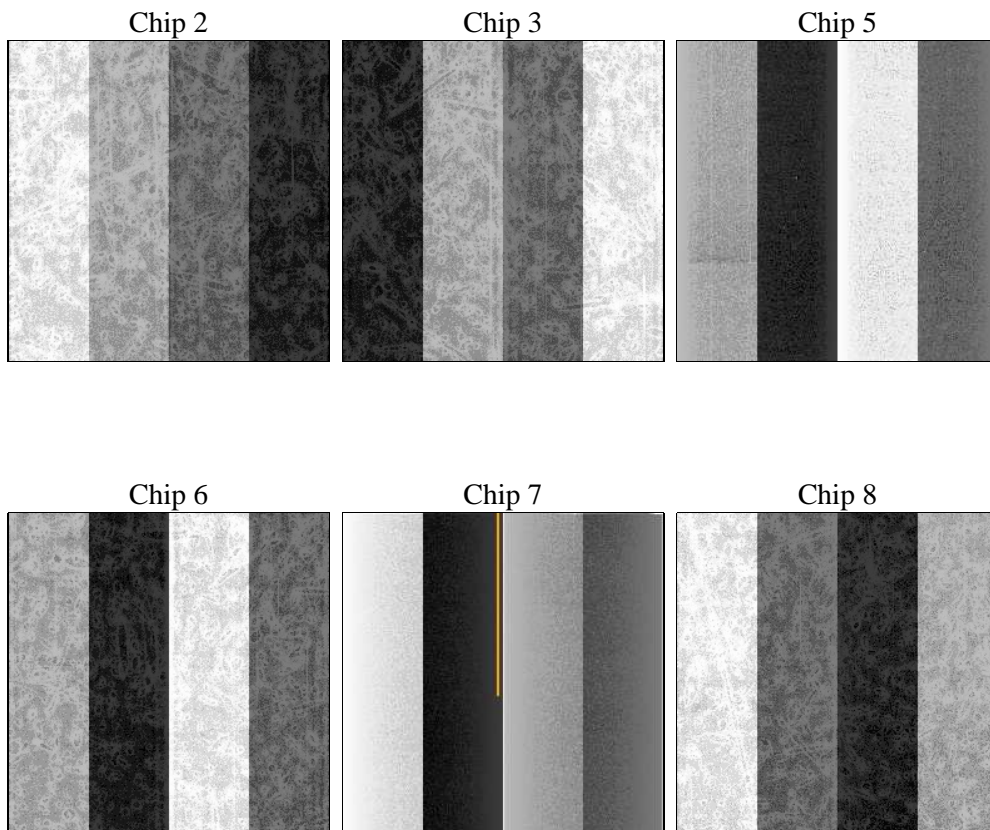
2 OBI

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	30175.917927057	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	30175.917837441	Sum of GTIs [s]
date	2012-03-21T03:44:04	Date and time of file creation	ontime3	30175.917927057	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	30175.917927057	Sum of GTIs [s]
			ontime6	30175.917927057	Sum of GTIs [s]
			ontime7	30175.917927057	Sum of GTIs [s]
			ontime8	30175.917927057	Sum of GTIs [s]
			l1events	1760238	Number of level 1 events

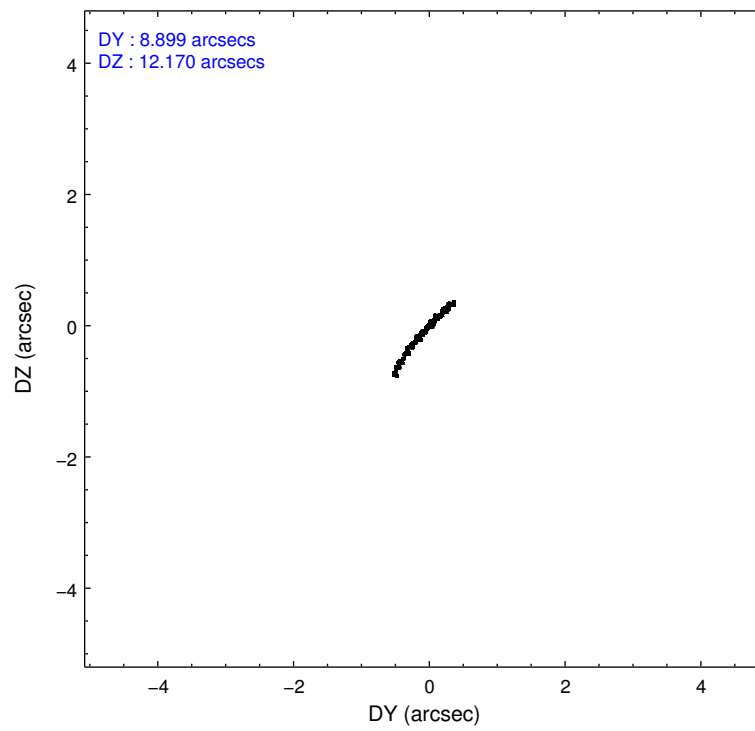
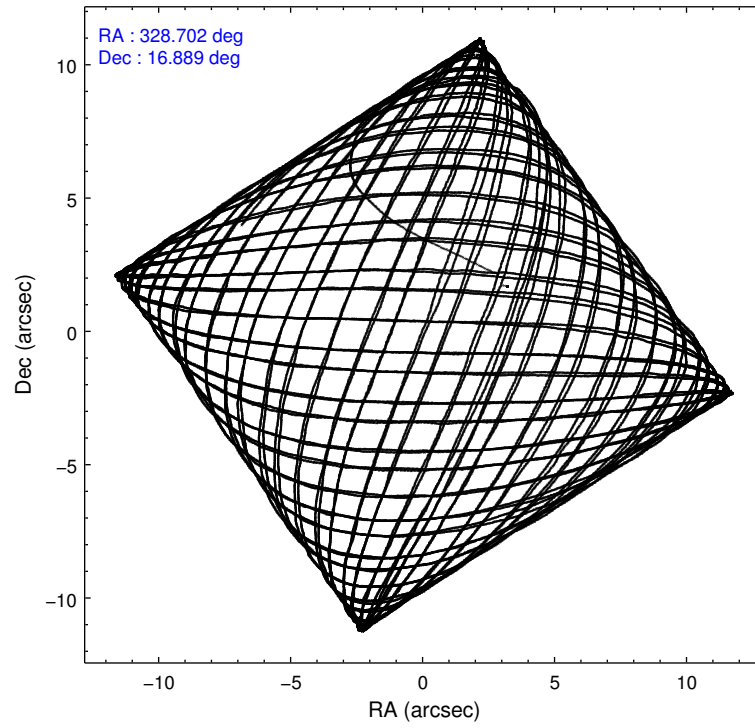
2.1.4 Events

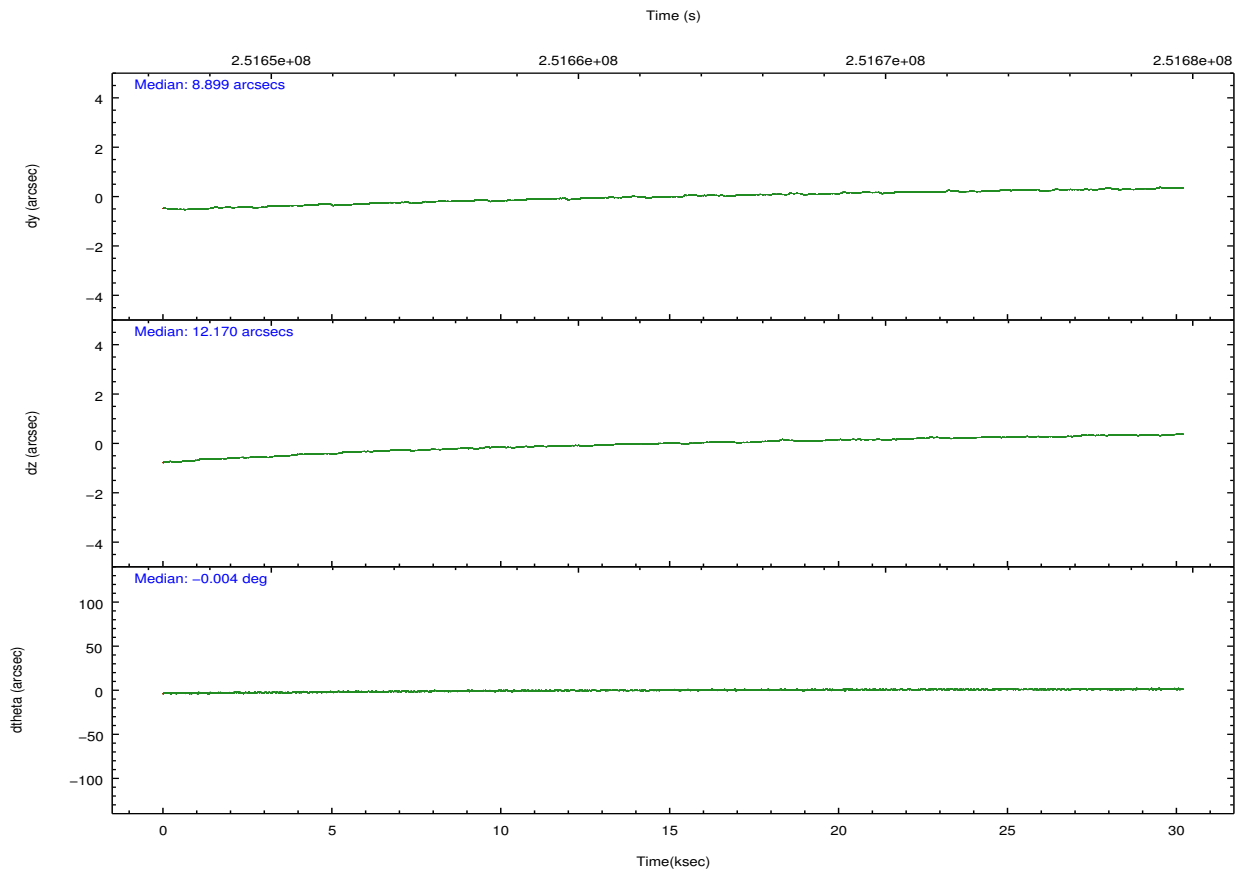
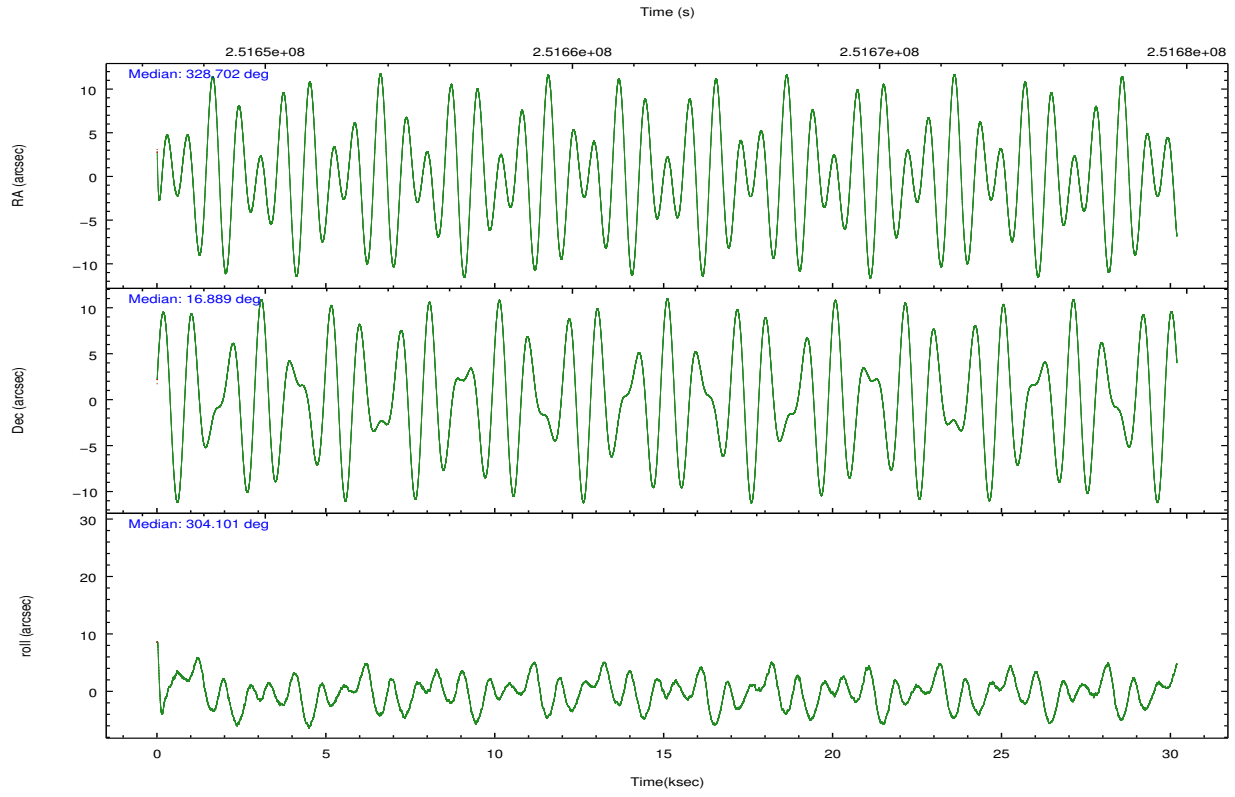
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	257042	235017	378000	245133	334706	310340	grade 0 events	13229	13096	19643	11924	12655	21217
rejected events	228144	206377	205644	215974	196178	244372		5%	5%	5%	4%	3%	6%
rejected %	88%	87%	54%	88%	58%	78%	grade 1 events	172	149	548	116	323	191
								0%	0%	0%	0%	0%	0%
							grade 2 events	6172	5523	52120	6207	28269	14559
								2%	2%	13%	2%	8%	4%
							grade 3 events	2594	2731	7221	2777	12318	7085
								1%	1%	1%	1%	3%	2%
							grade 4 events	2656	2689	6084	2815	12238	6494
								1%	1%	1%	1%	3%	2%
							grade 5 events	9517	10855	29312	11125	31882	15088
								3%	4%	7%	4%	9%	4%
							grade 6 events	4608	4942	89472	5813	74659	17404
								1%	2%	23%	2%	22%	5%
							grade 7 events	218094	195032	173600	204356	162362	228302
								84%	82%	45%	83%	48%	73%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	328.676432	328.7022138722401	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.900759	16.88921094082423	Alternating exposures requested	N	N
[deg] Pointing Roll	303.959984	304.1091261166145	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	251648178.184000	251646920.47826			
Observation start date	2005-12-22T14:15:14	2005-12-22T13:55:20			
[s] Observation end time (MET)	251678178.184000	251679071.14225			
Observation end date	2005-12-22T22:35:14	2005-12-22T22:51:11			
Read mode	TIMED	TIMED			

2.3 Aspect



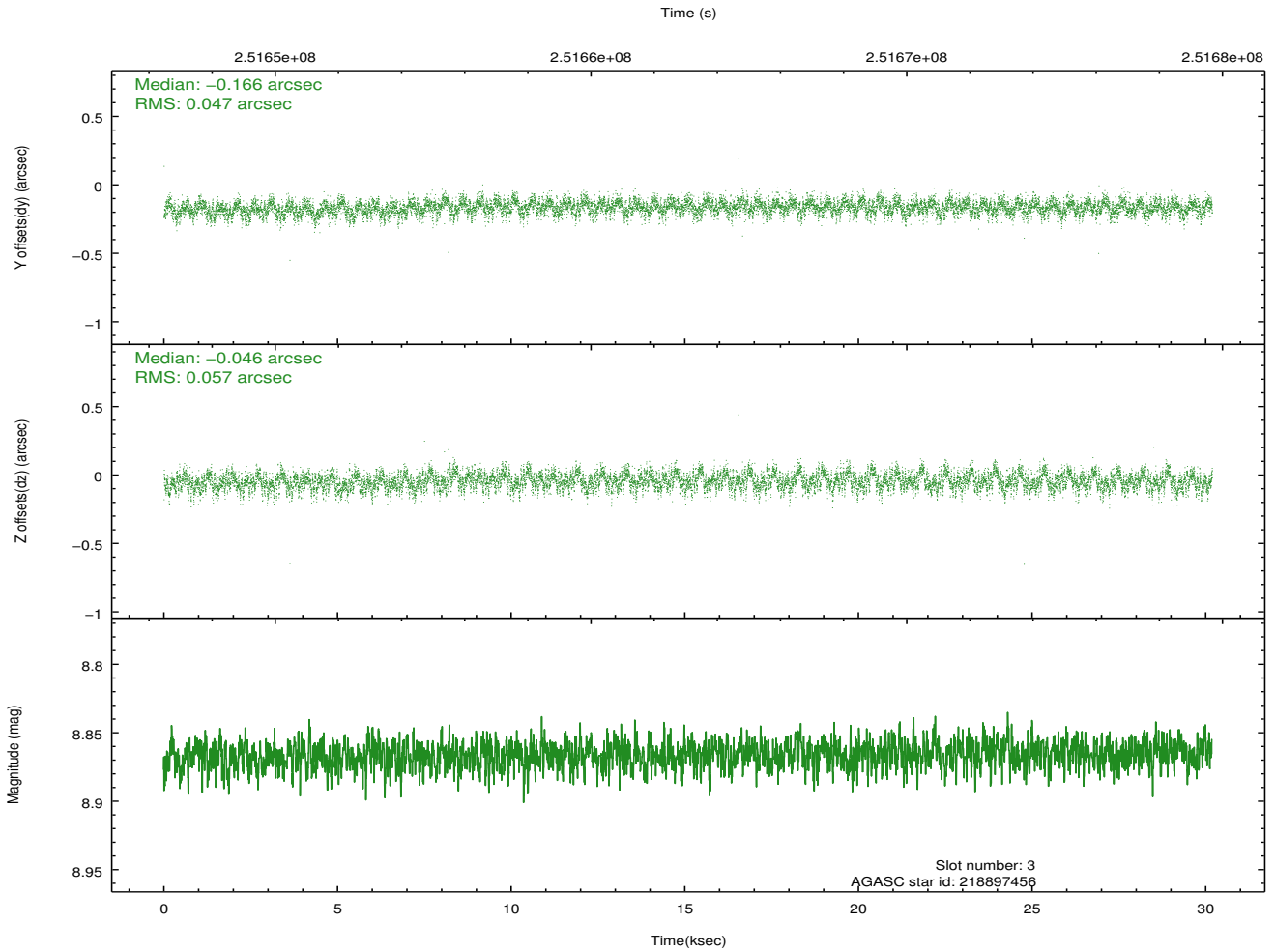
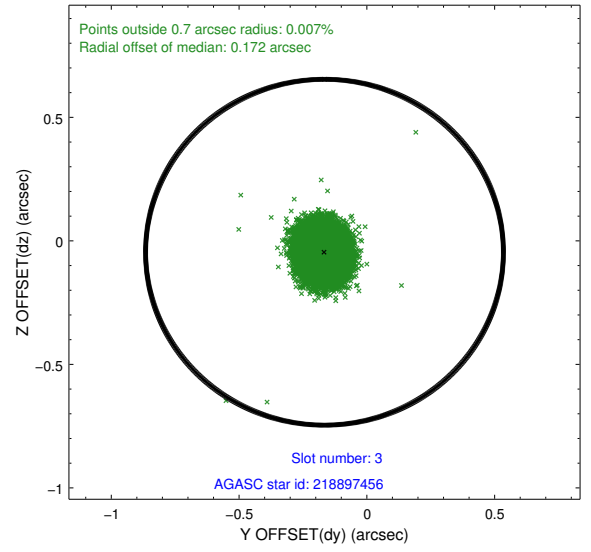
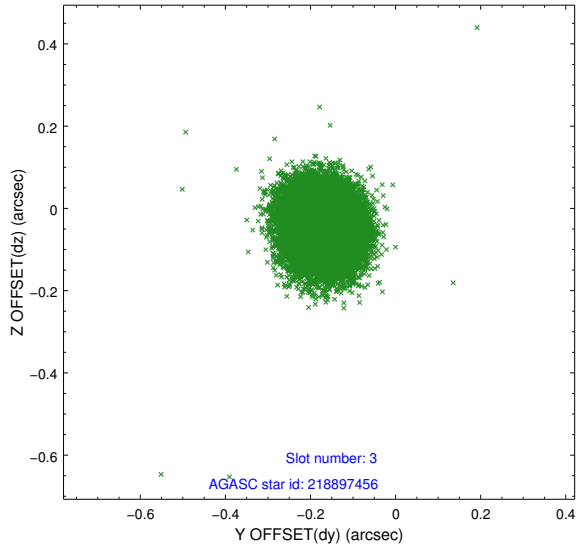


Slot Statistics

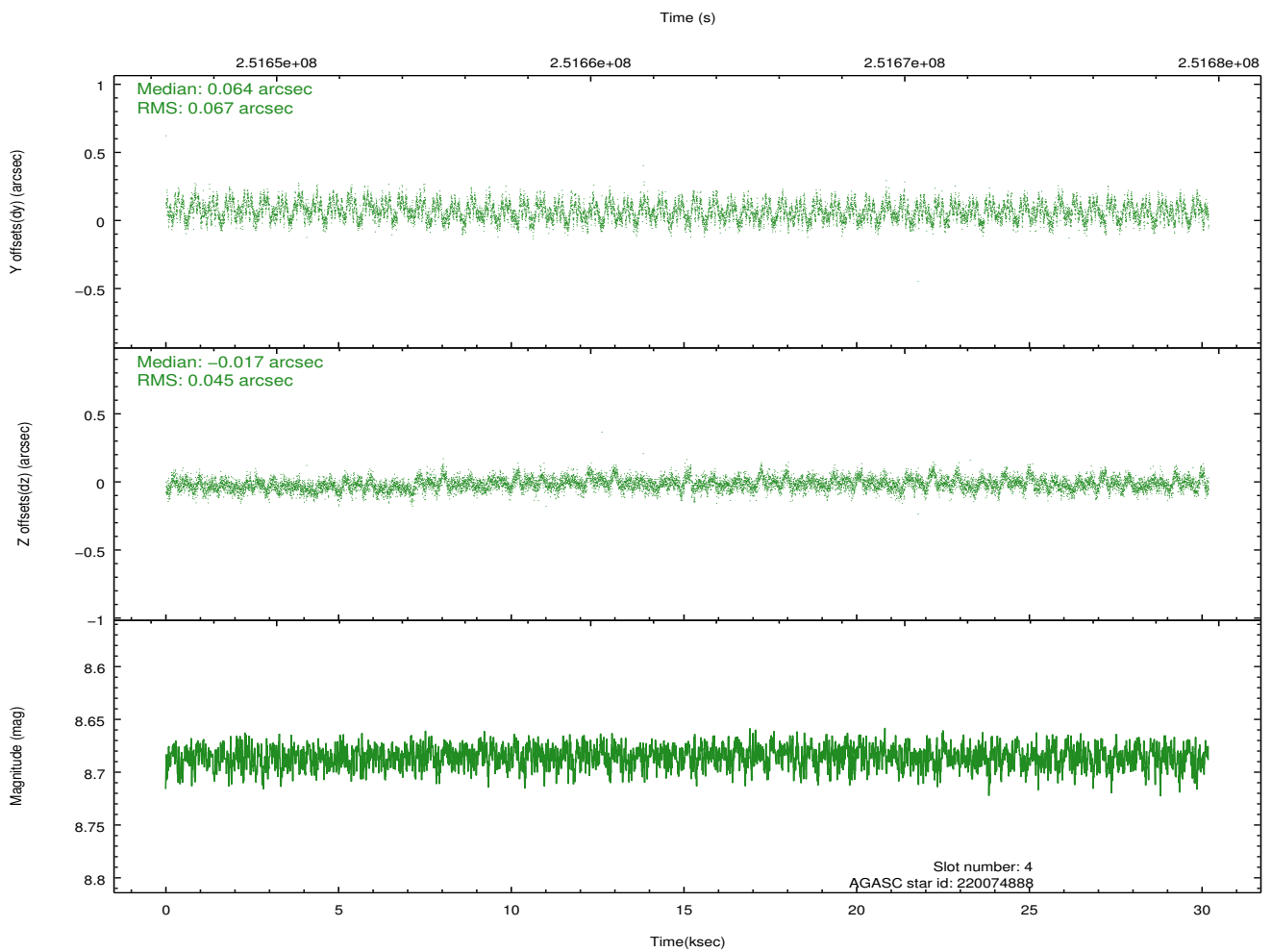
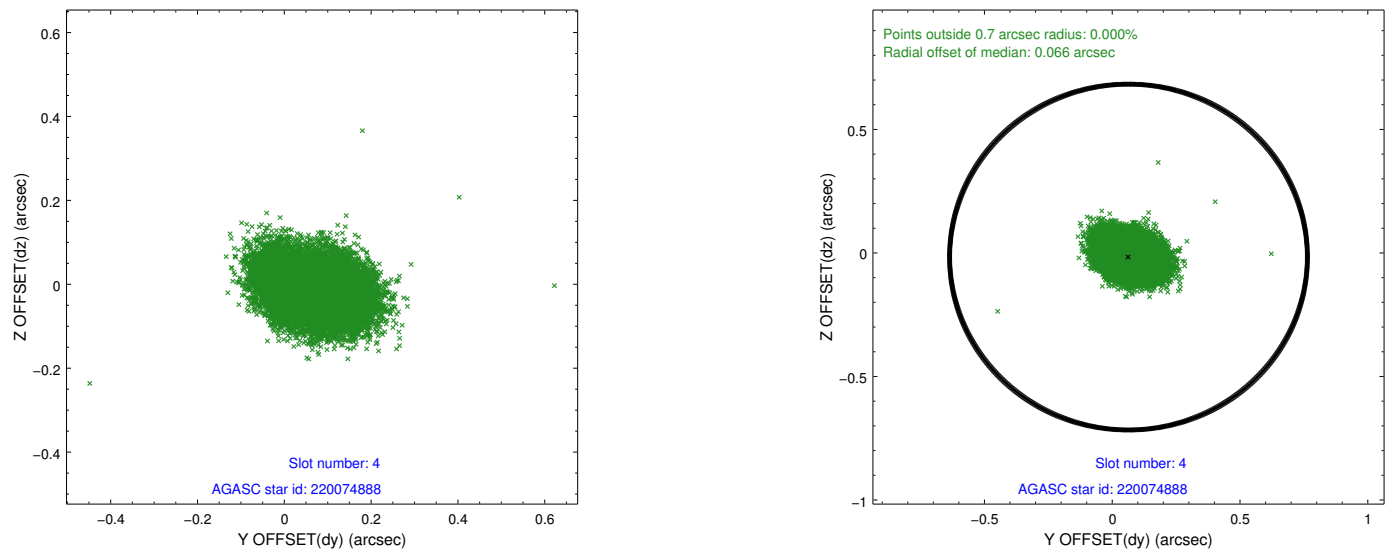
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	7359	0.044	-0.059	0.014	0.030	0.000000	0.000000	934.36	-1729.13
1	FID	ACIS-S-4	7.20	7360	0.092	0.024	0.014	0.025	0.000000	0.000000	2151.89	175.02
2	FID	ACIS-S-5	7.23	7361	-0.162	0.048	0.009	0.016	0.000000	0.000000	-1814.59	168.79
3	GUIDE	218897456	8.87	14715	-0.166	-0.046	0.079	0.125	327.959264	17.146658	-2115.65	-1549.50
4	GUIDE	220074888	8.69	14718	0.064	-0.017	0.086	0.138	328.463360	16.092578	2001.79	-2236.10
5	GUIDE	220595632	9.31	14712	0.077	0.148	0.093	0.151	328.930788	17.108977	-132.82	1145.16
6	GUIDE	220597856	9.33	14711	-0.086	-0.051	0.097	0.152	329.110726	17.405179	-674.29	2252.82
7	GUIDE	220071528	8.64	14714	0.115	-0.035	0.070	0.113	328.933551	16.712940	1055.90	358.35

2.4 Star Slots

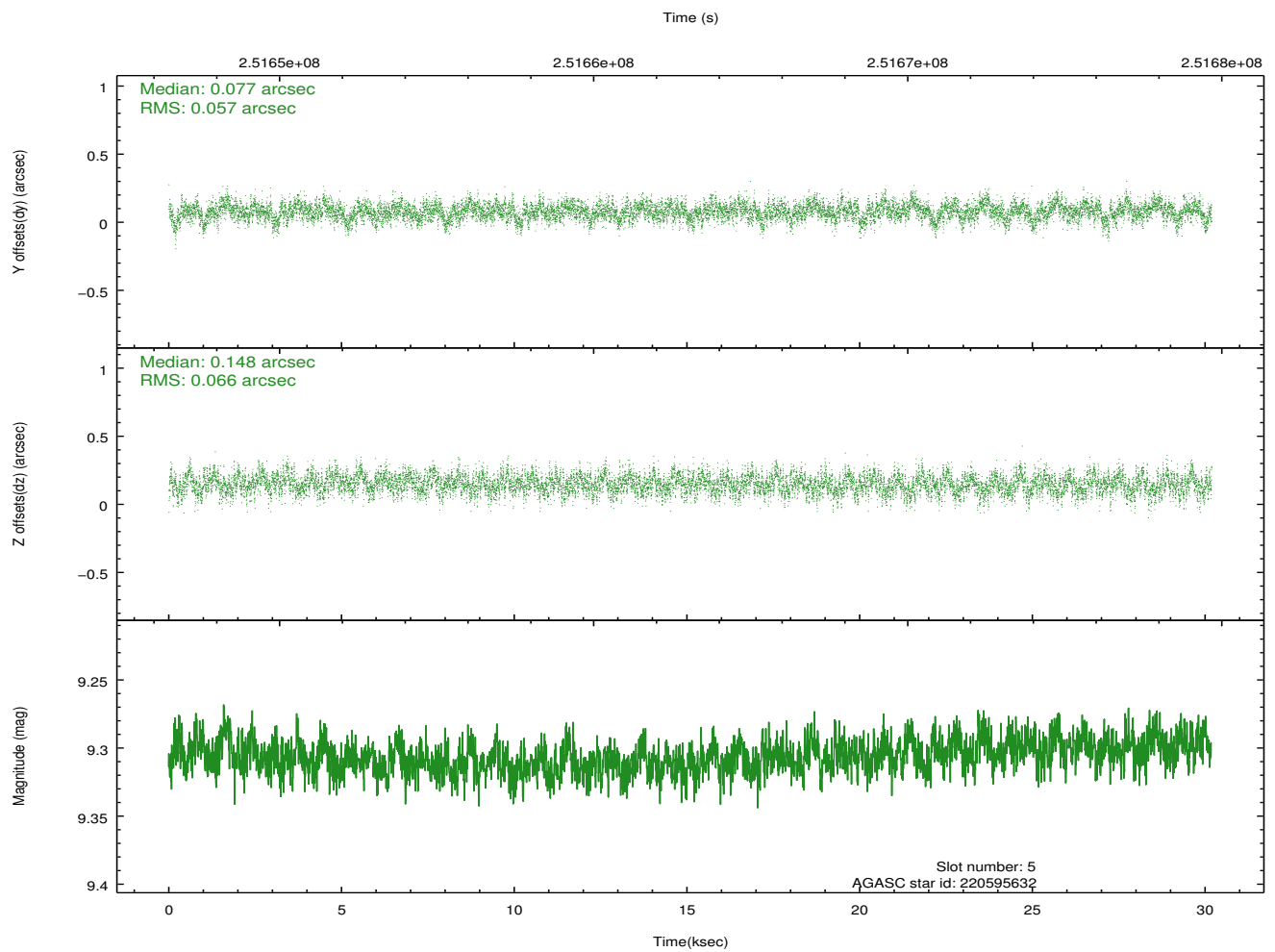
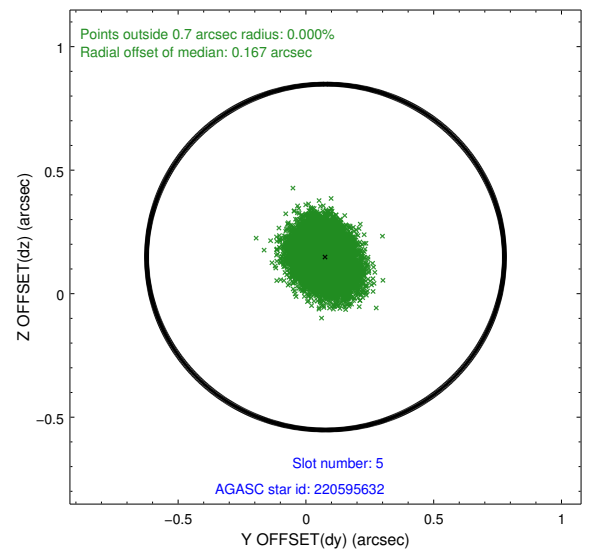
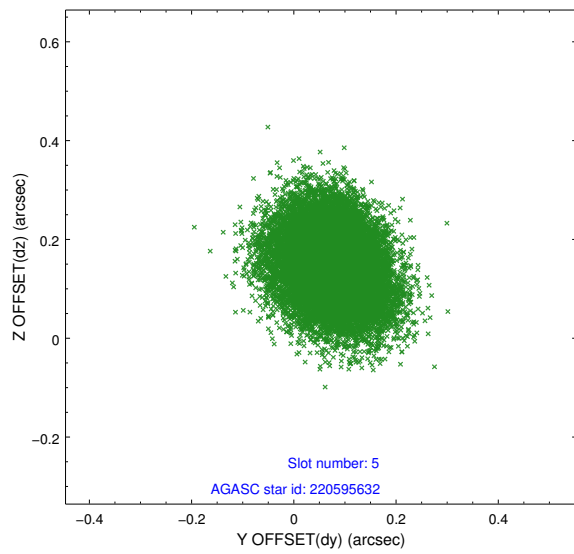
2.4.1 Slot 3



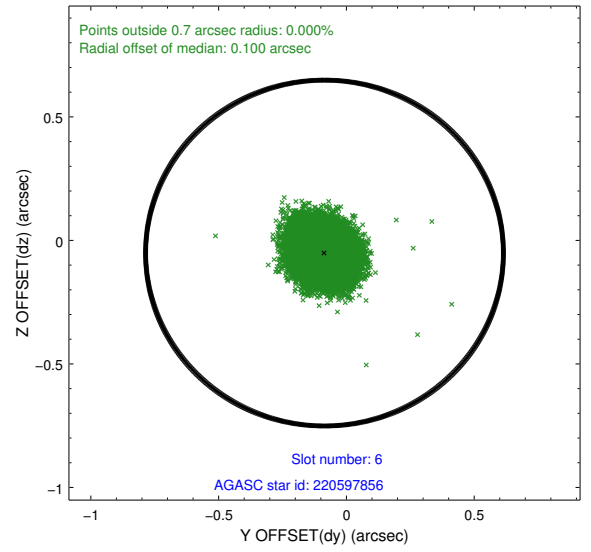
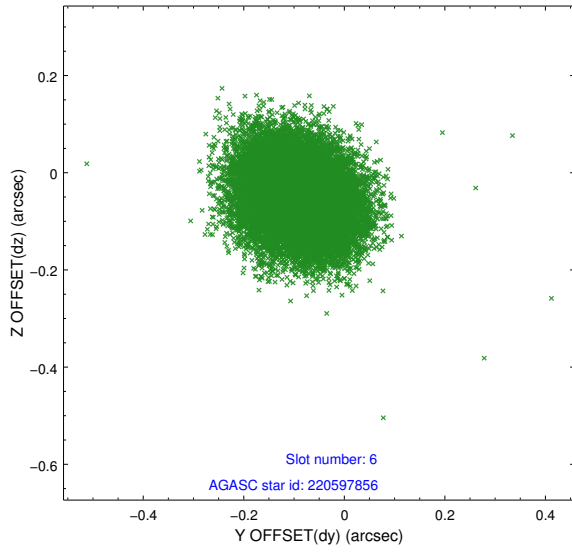
2.4.2 Slot 4



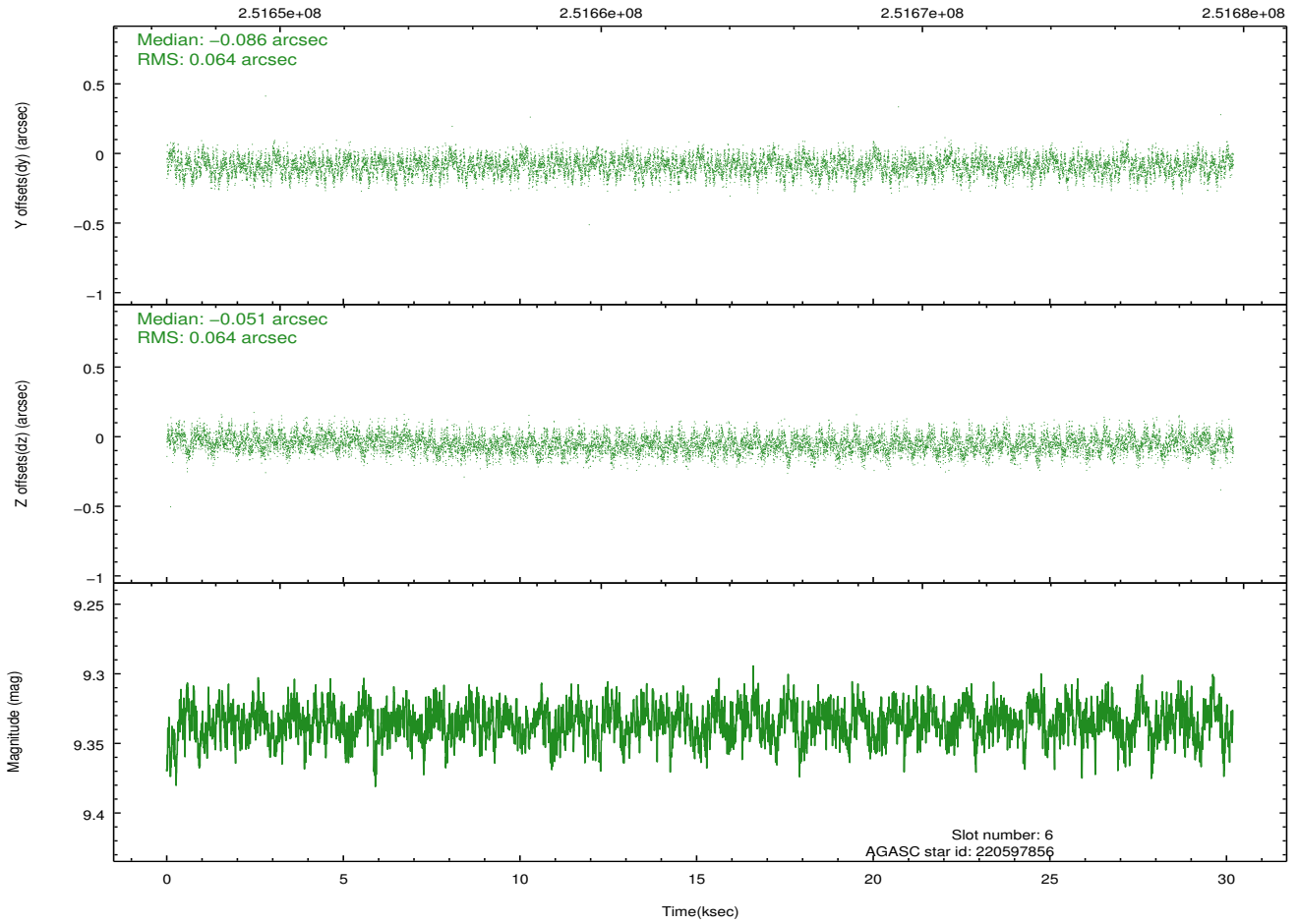
2.4.3 Slot 5



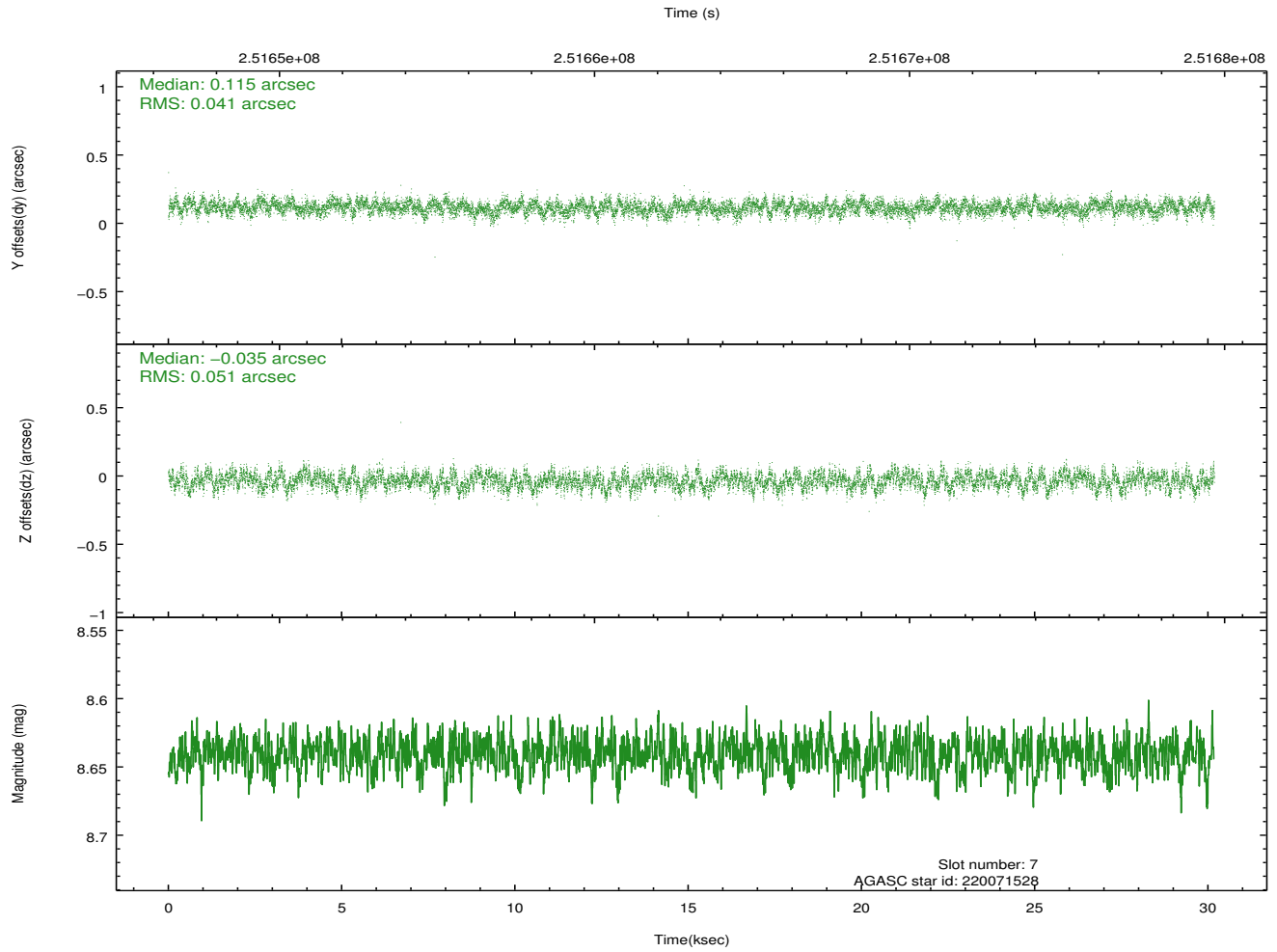
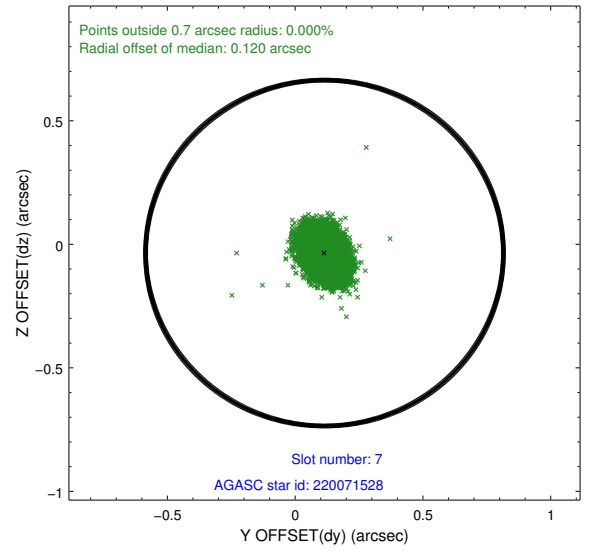
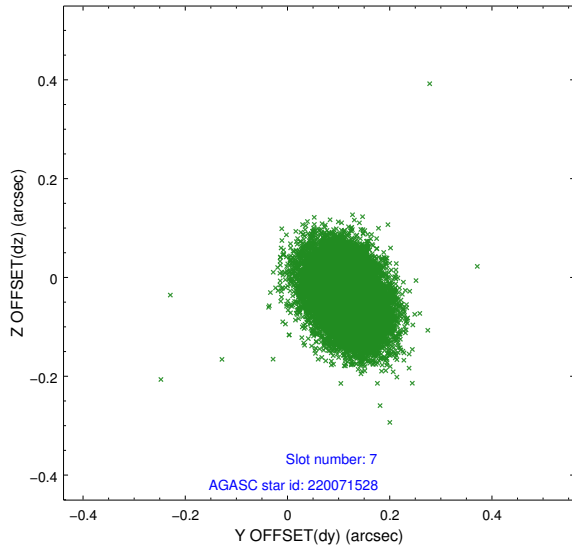
2.4.4 Slot 6



Time (s)

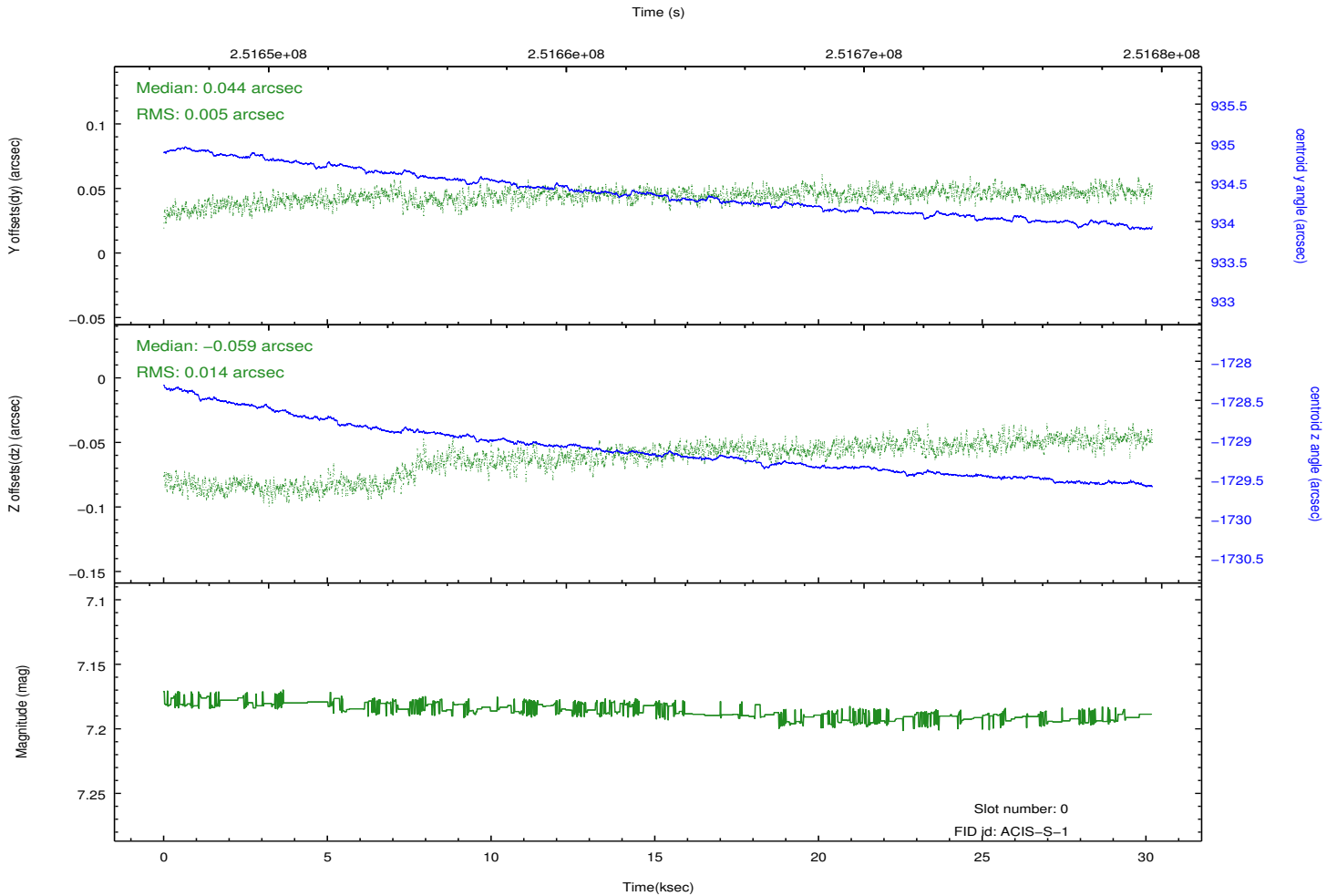
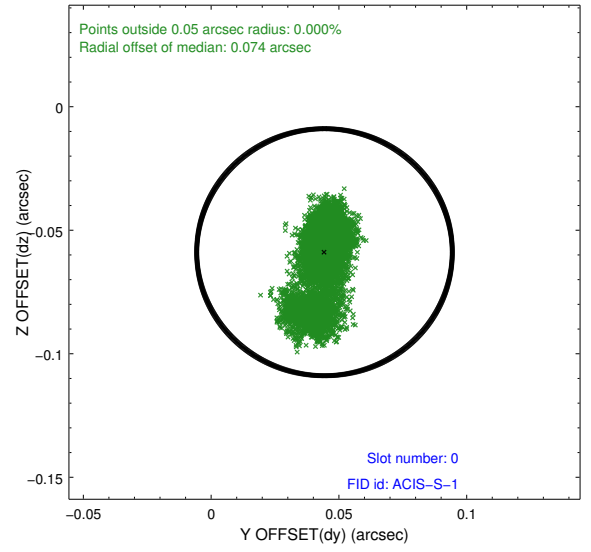
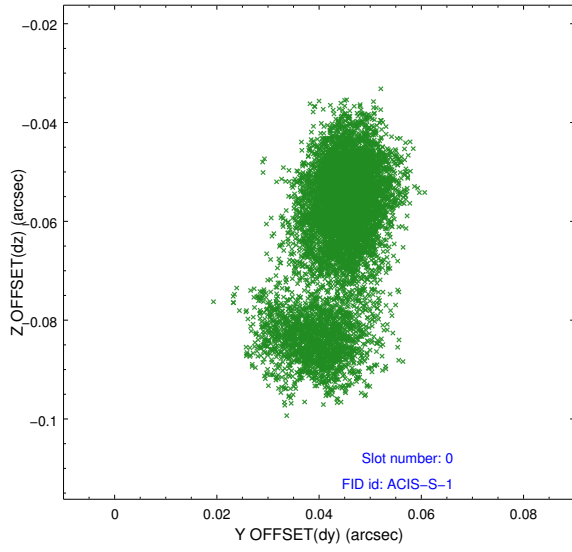


2.4.5 Slot 7

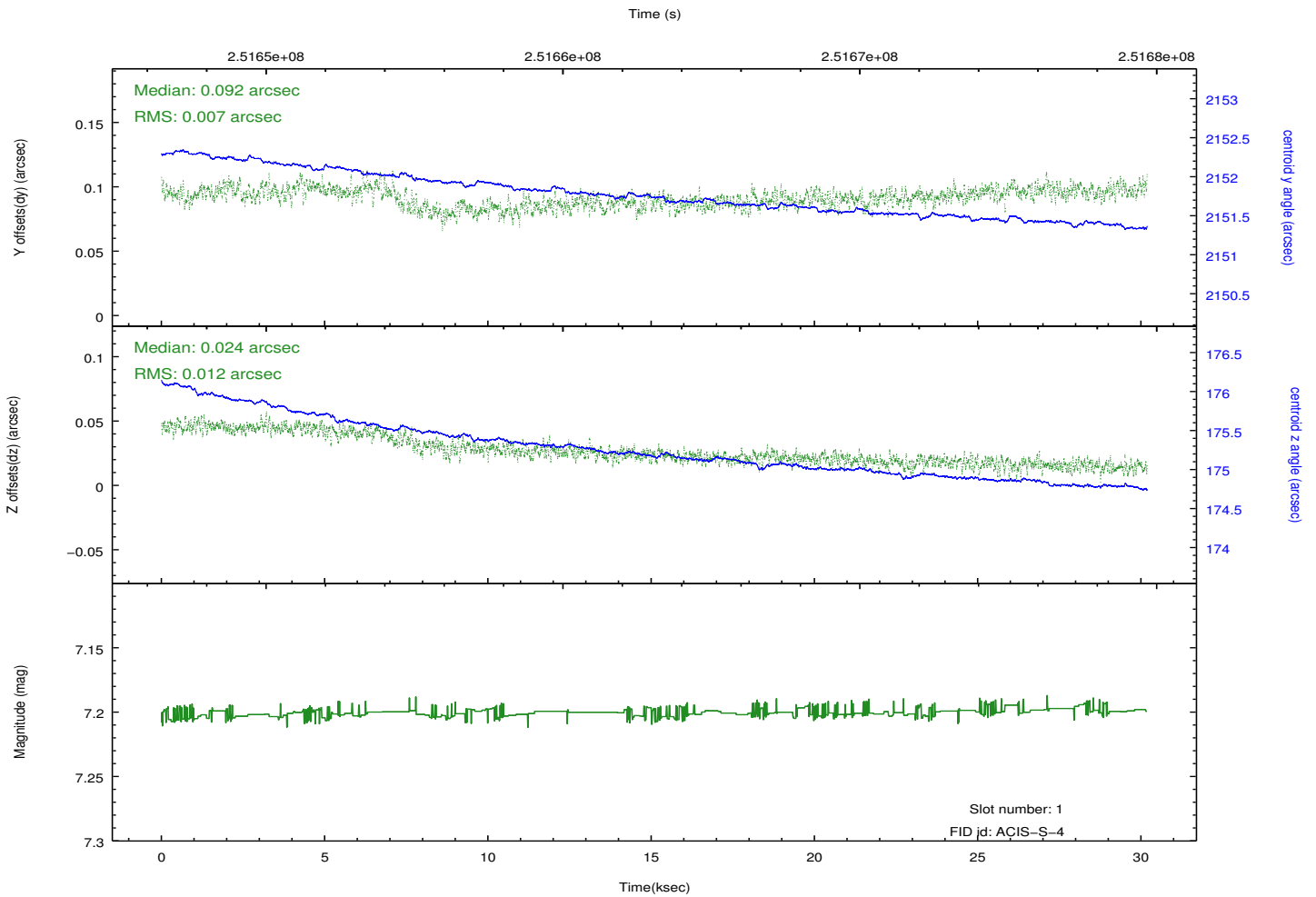
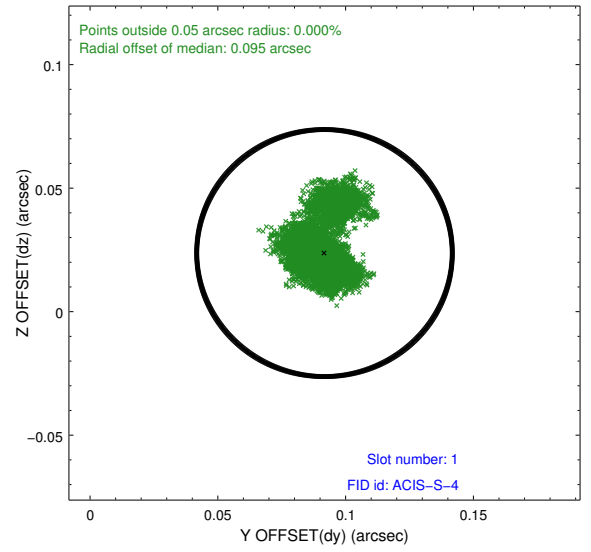
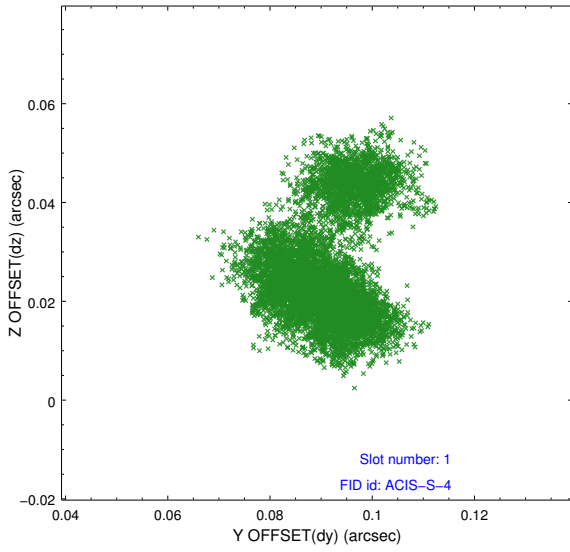


2.5 FID Slots

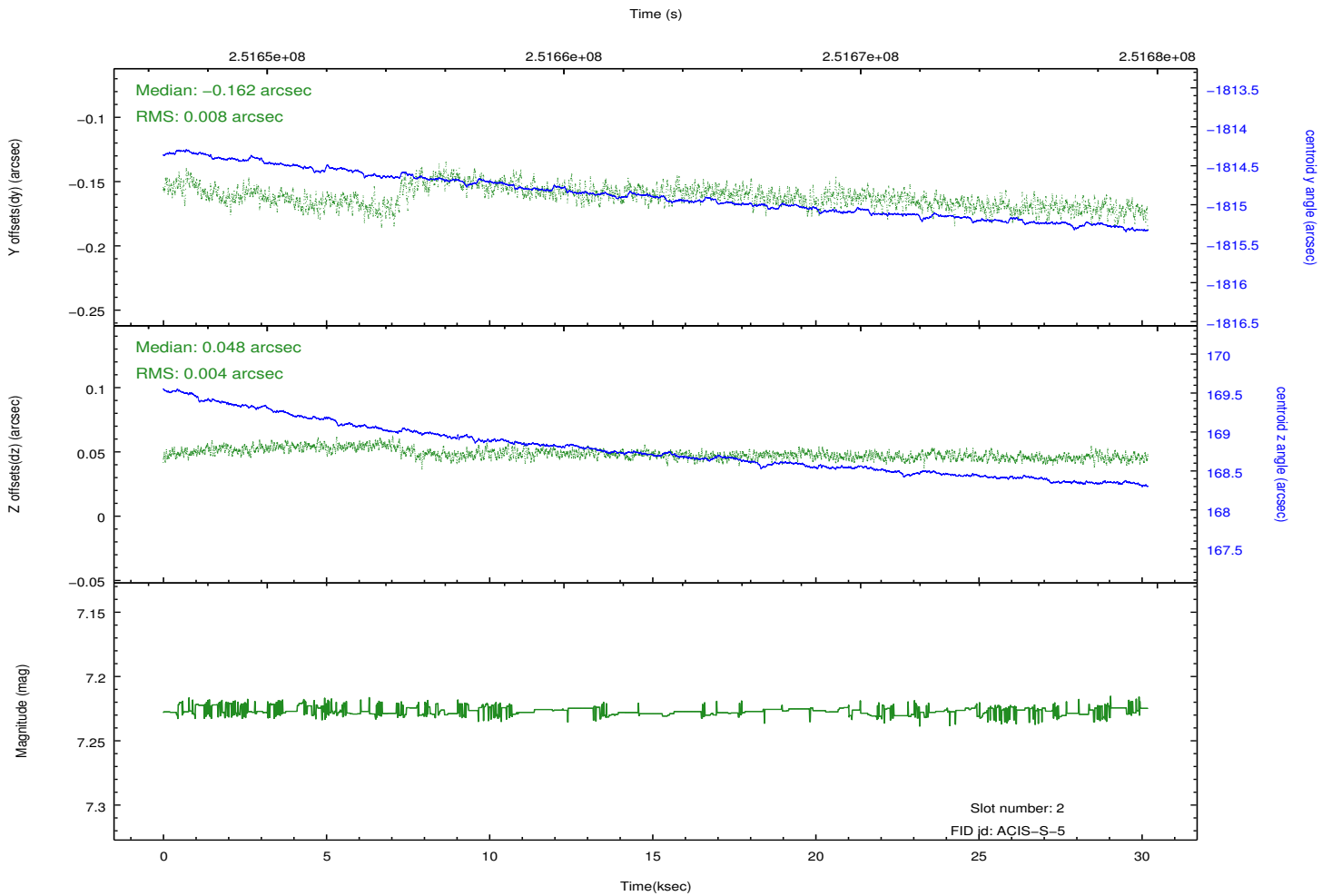
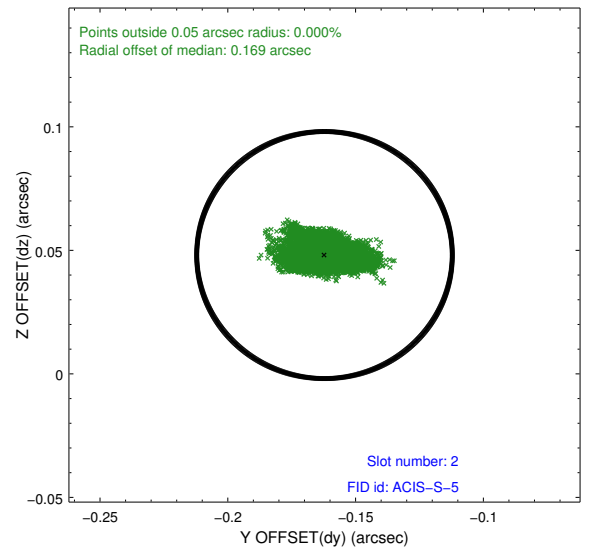
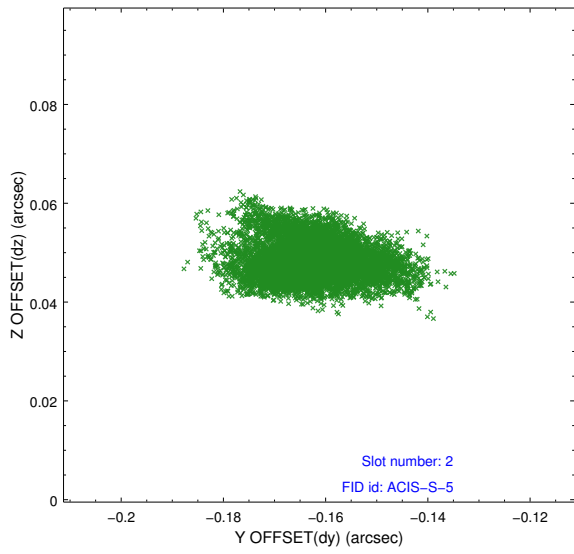
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.17591

A.2 Comments