

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6669 - L2 Version 2
Chandra X-Ray Center

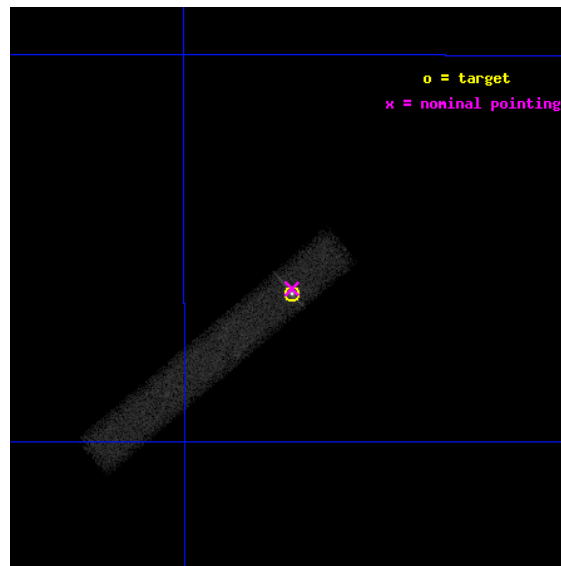
L2 Processing Date : Apr 6 2012

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1 Front

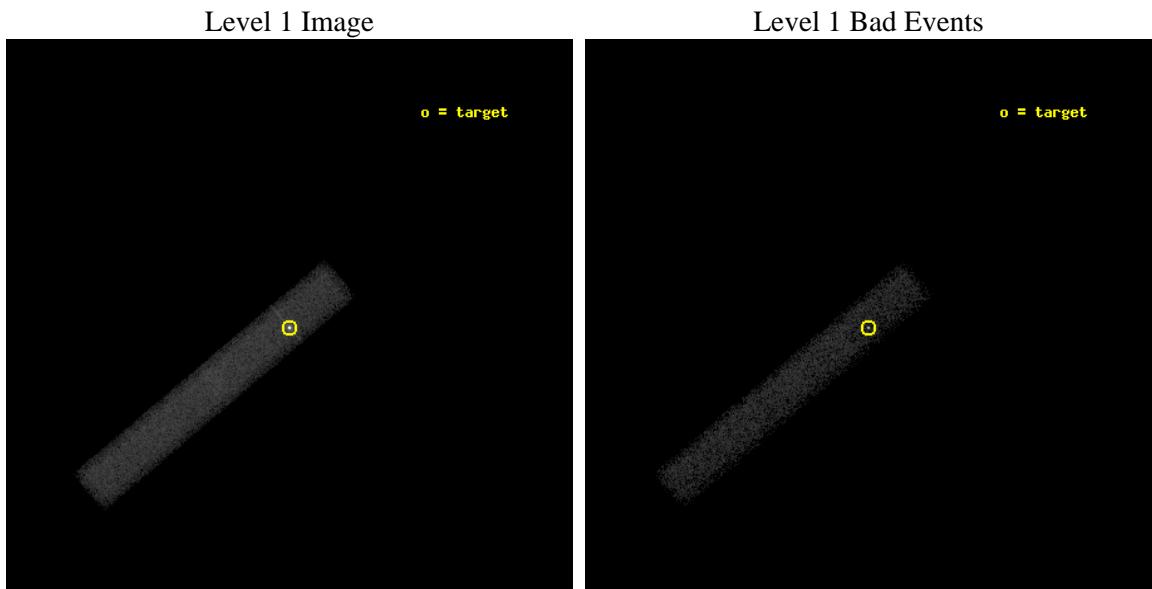
seq_num	500623	Sequence number
obs_id	6669	Observation id
title	The Evolution of SNR1987A	Proposal title
observer	Prof. David Burrows	Principal investigator
object	SNR1987A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.866667	Observer's specified target RA [deg]
dec_targ	-69.26975	Observer's specified target Dec [deg]
ra_nom	83.86701686062	Nominal RA [deg]
dec_nom	-69.267672874986	Nominal Dec [deg]
roll_nom	139.88117202203	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40184.797604799	Sum of GTIs [s]
livetime	36445.490300018	Livetime [s]
ontime7	40184.797604799	Sum of GTIs [s]
l2events	64907	Number of level 2 events



2 OBI

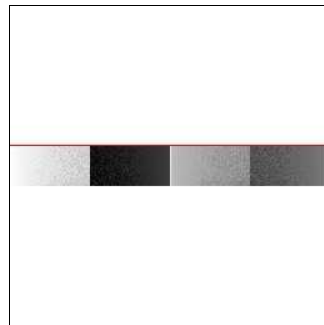
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	40184.797604799	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	40184.797604799	Sum of GTIs [s]
date	2012-04-06T03:53:26	Date and time of file creation	l1events	103217	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

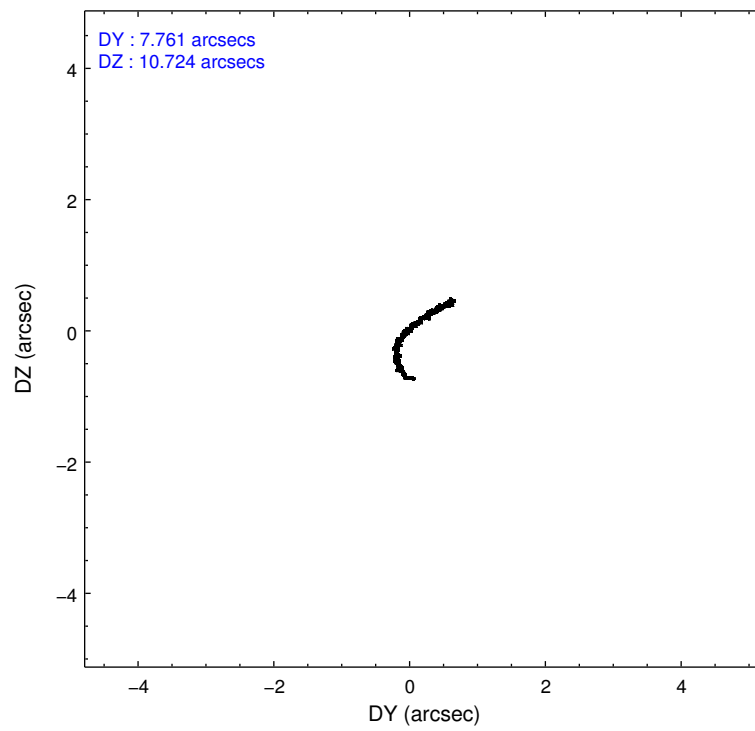
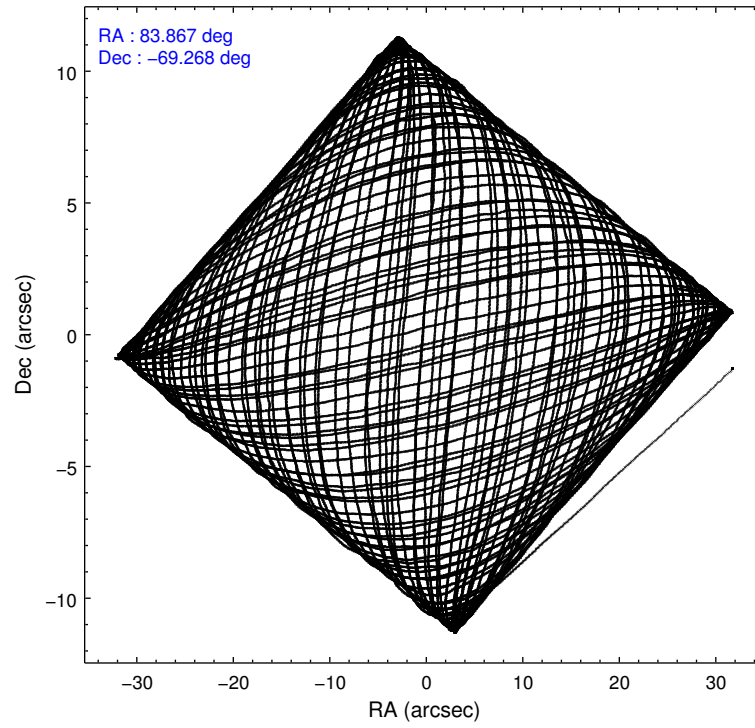
	ccd 7
level 1 events	103217
rejected events	37090
rejected %	35%

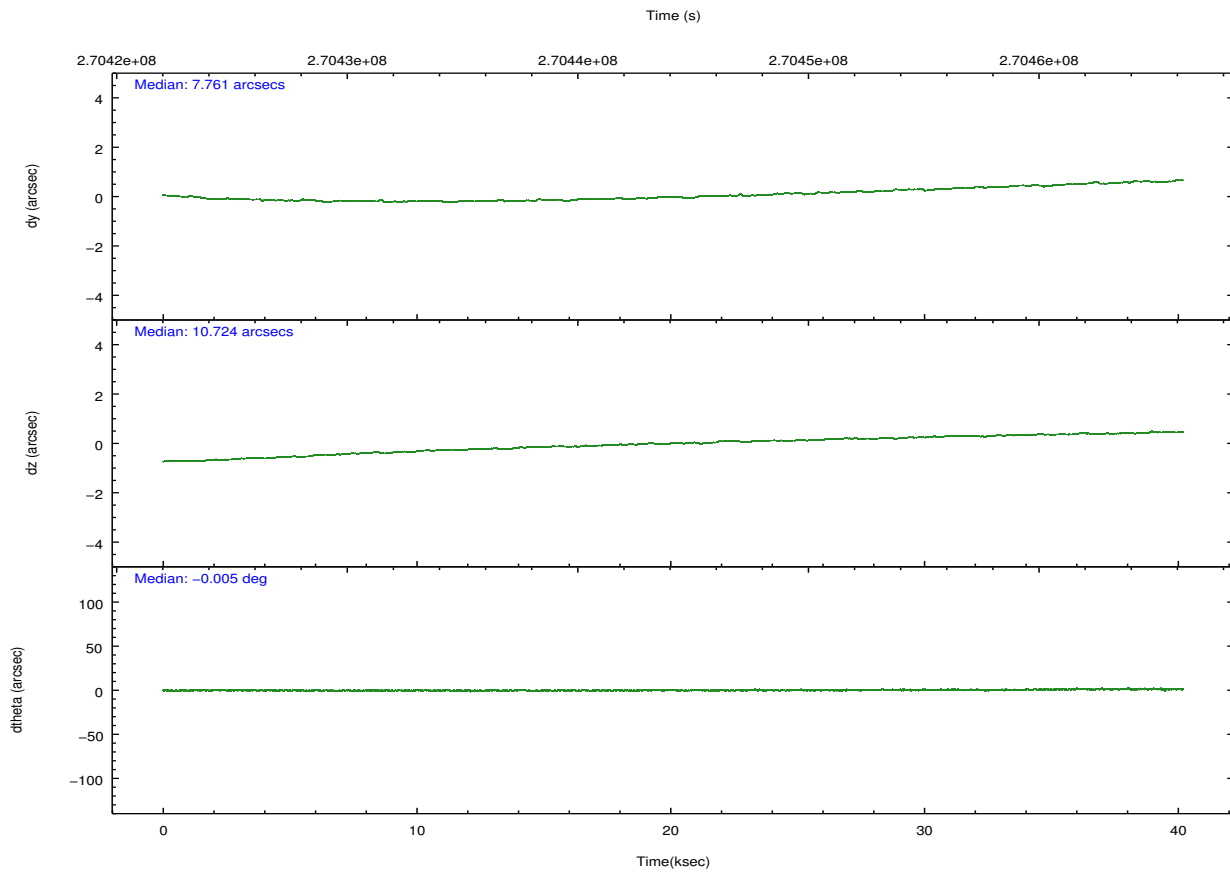
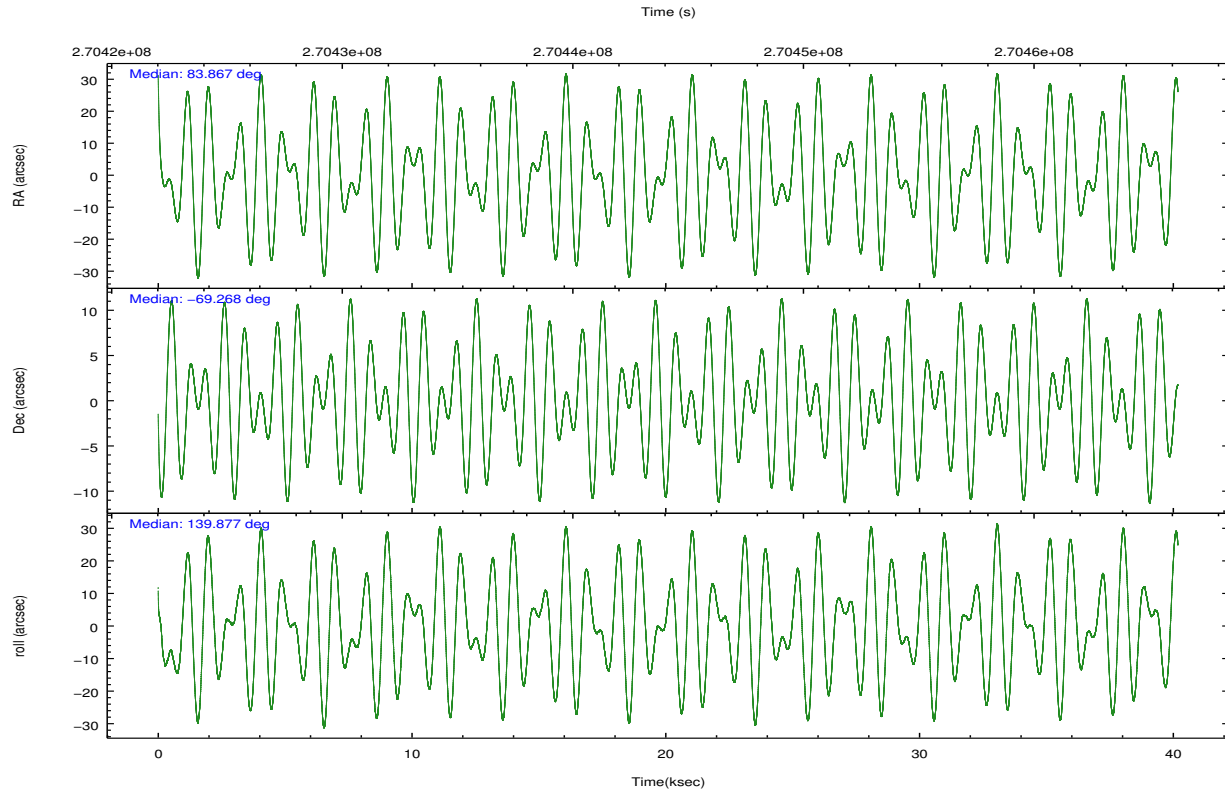
	ccd 7
grade 0 events	13990
	13%
grade 1 events	393
	0%
grade 2 events	15714
	15%
grade 3 events	8315
	8%
grade 4 events	8108
	7%
grade 5 events	6962
	6%
grade 6 events	20566
	19%
grade 7 events	29169
	28%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	83.942940	83.86701686061951	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-69.272059	-69.26767287498599	Subarray start row	449	449
[deg] Pointing Roll	139.795557	139.881172022032	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	270424213.184000	270423258.29042			
Observation start date	2006-07-27T21:49:08	2006-07-27T21:34:18			
[s] Observation end time (MET)	270464213.184000	270465290.46739			
Observation end date	2006-07-28T08:55:48	2006-07-28T09:14:50			
Read mode	TIMED	TIMED			

2.3 Aspect



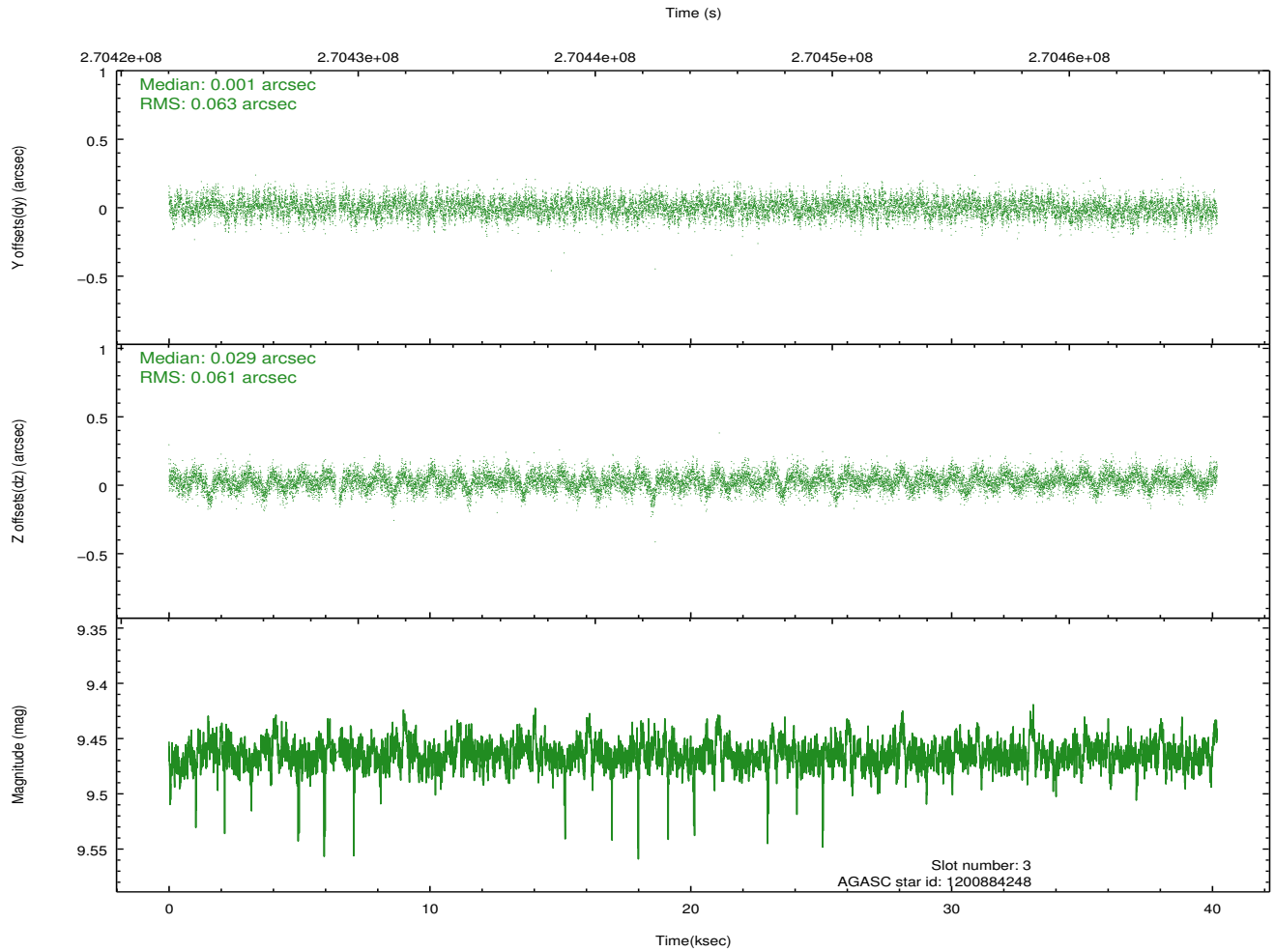
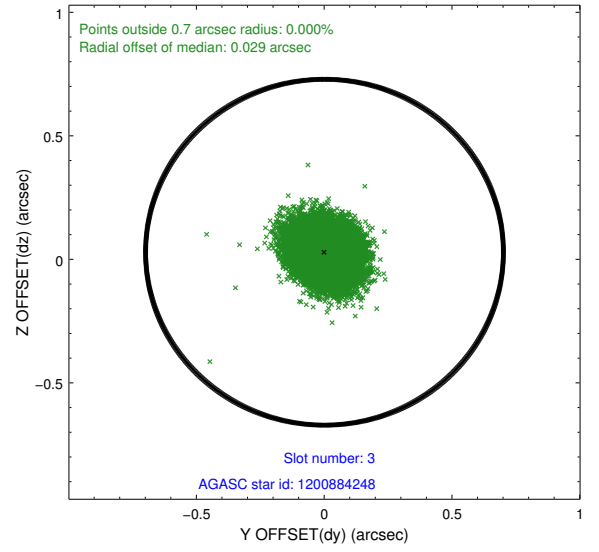
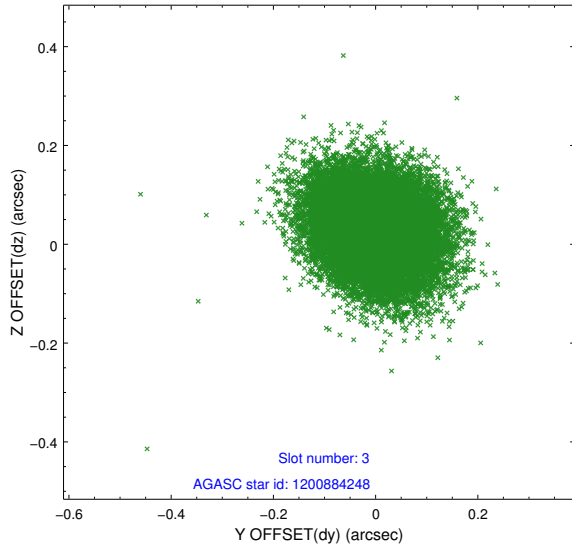


Slot Statistics

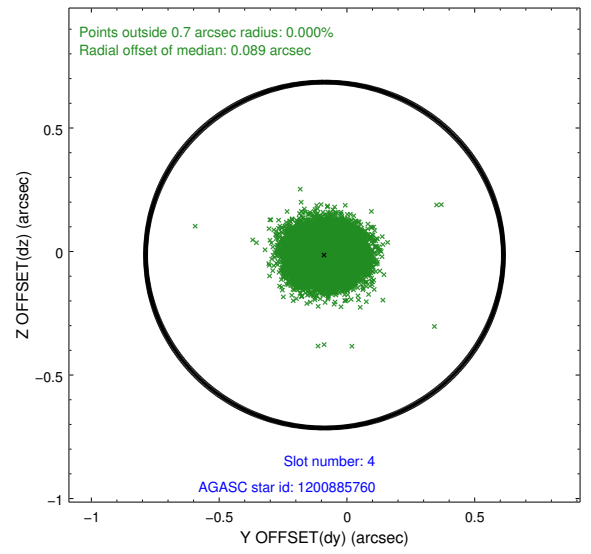
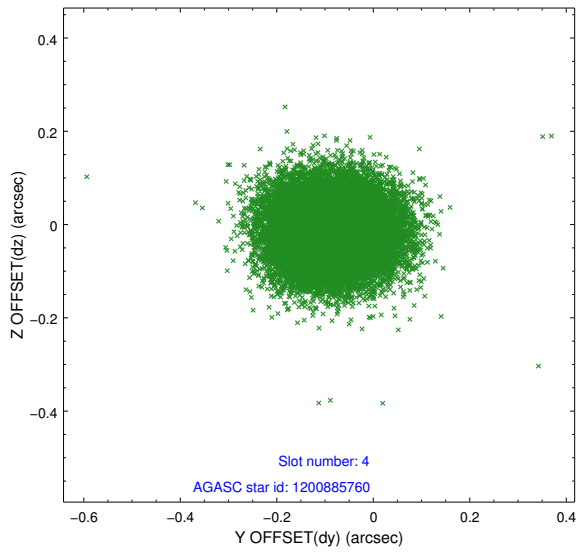
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9802	-0.050	-0.029	0.011	0.023	0.000000	0.000000	-760.63	-1731.93
1	FID	ACIS-S-4	7.21	9802	0.131	0.032	0.009	0.017	0.000000	0.000000	2152.78	176.66
2	FID	ACIS-S-5	7.23	9801	-0.113	0.006	0.011	0.019	0.000000	0.000000	-1813.56	170.23
3	GUIDE	1200884248	9.46	19500	0.001	0.029	0.093	0.152	83.880915	-68.565170	1705.59	-1890.64
4	GUIDE	1200885760	9.46	19570	-0.088	-0.014	0.092	0.150	83.723637	-68.777667	1367.27	-1174.12
5	GUIDE	1201020040	8.61	19592	-0.026	0.114	0.075	0.123	85.379163	-68.879396	-523.75	-2265.18
6	GUIDE	1201542672	8.18	19601	0.087	-0.145	0.071	0.114	84.492488	-69.957531	-2111.99	1448.20
7	GUIDE	1201018312	9.60	19577	0.026	0.018	0.109	0.178	86.298231	-69.115627	-1981.49	-2336.26

2.4 Star Slots

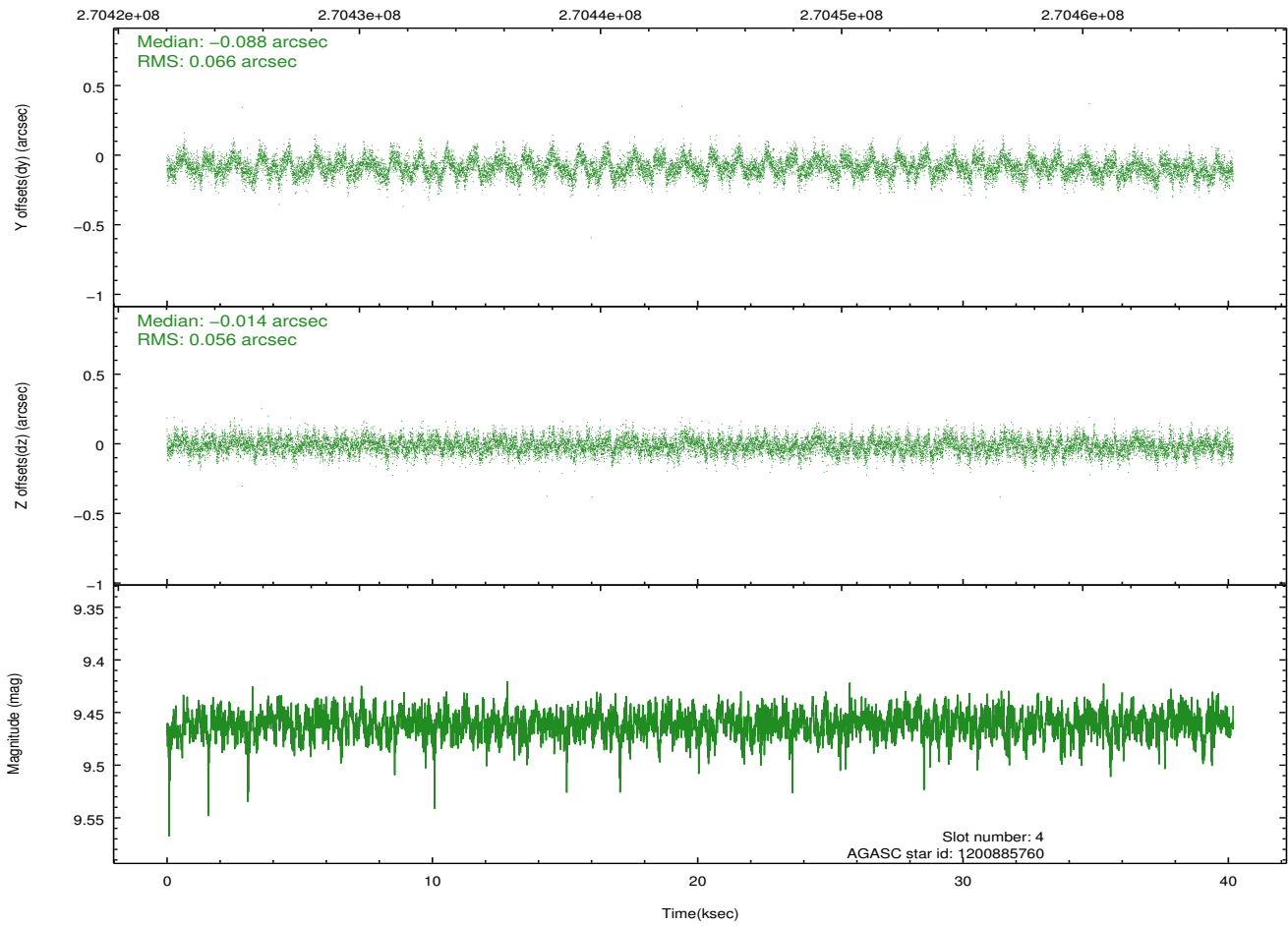
2.4.1 Slot 3



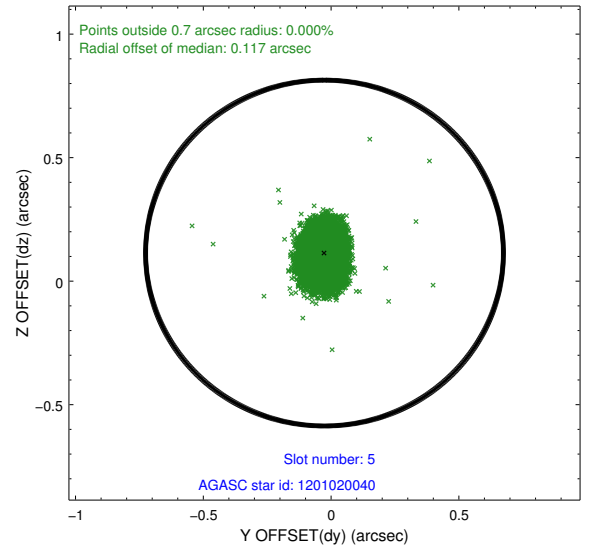
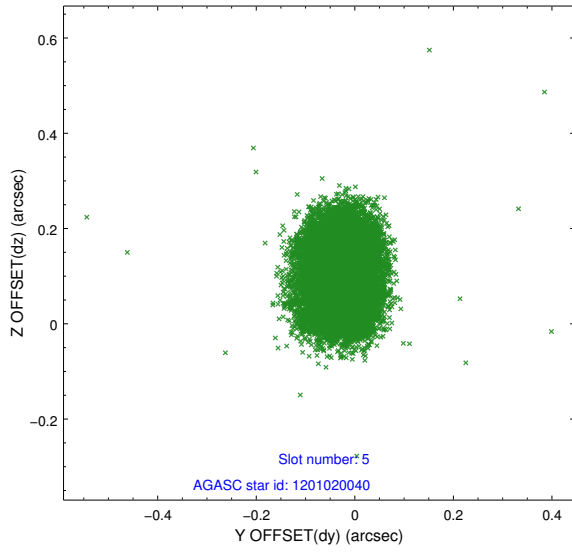
2.4.2 Slot 4



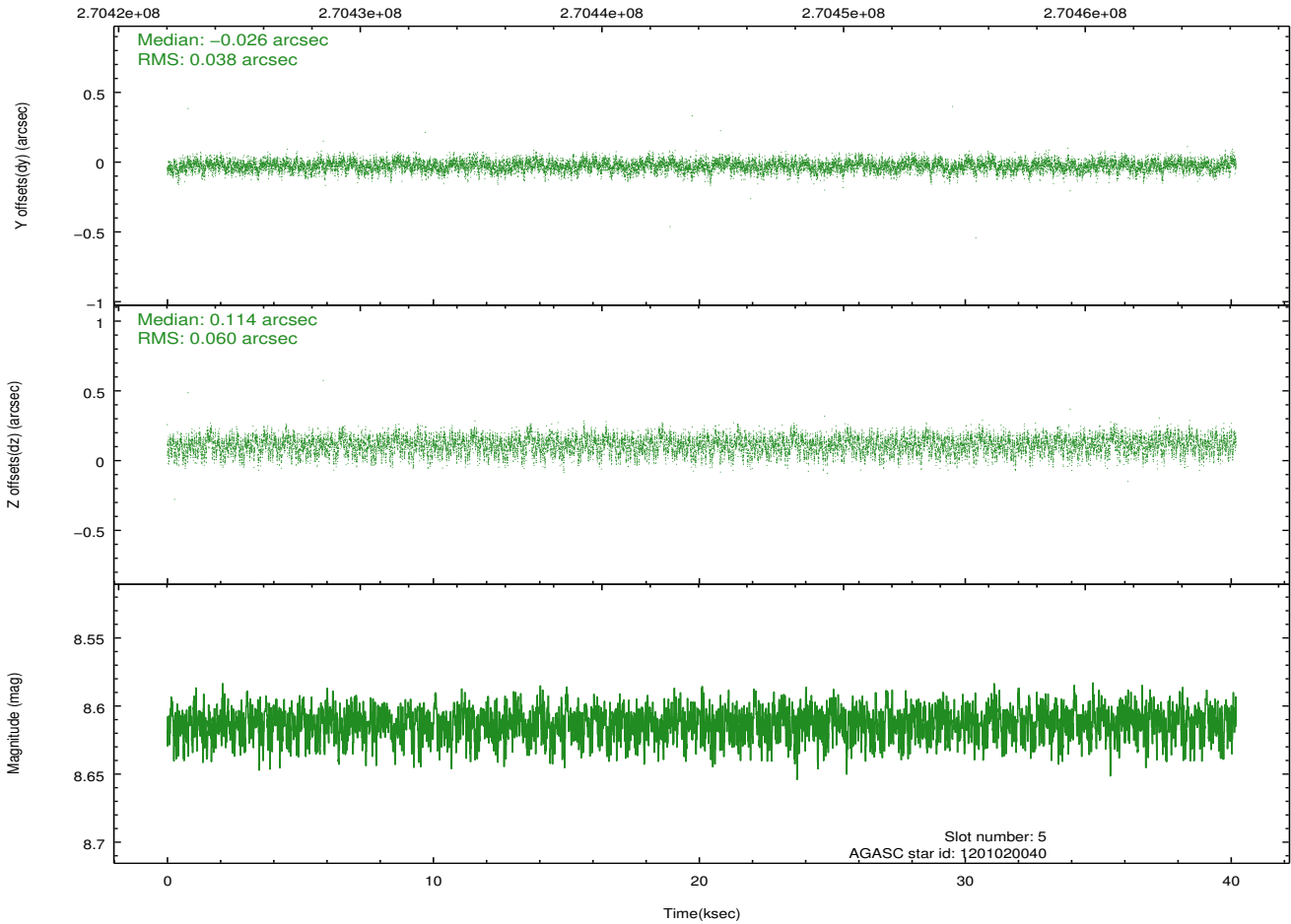
Time (s)



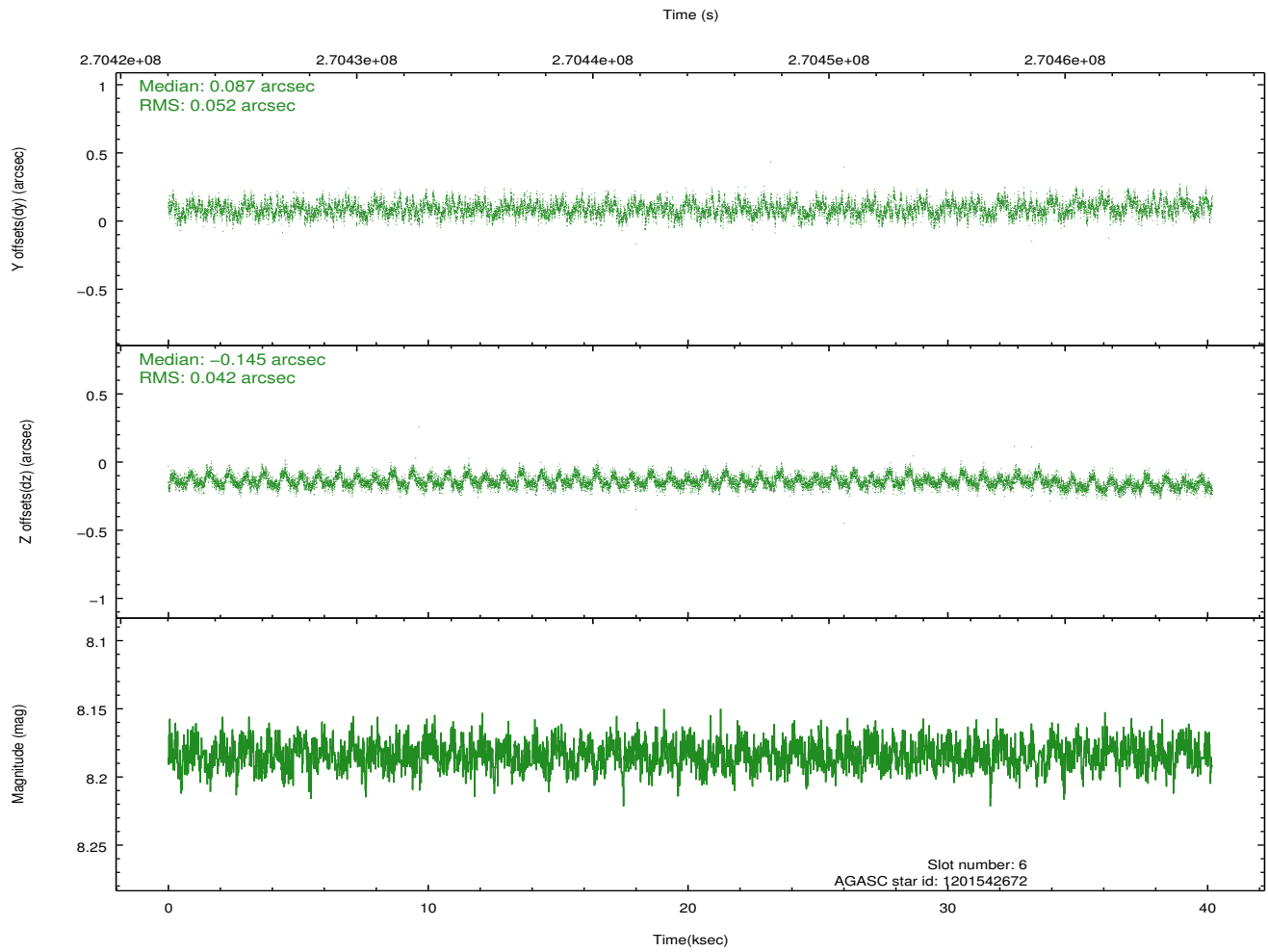
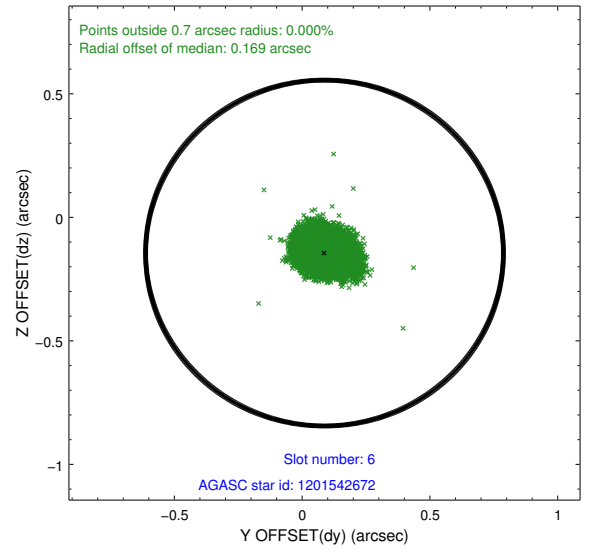
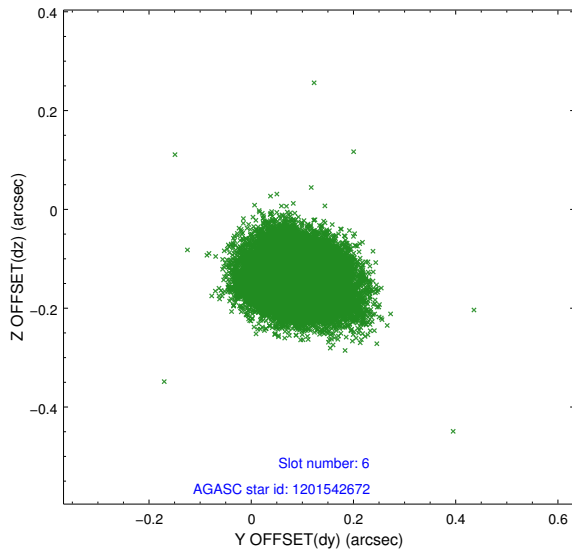
2.4.3 Slot 5



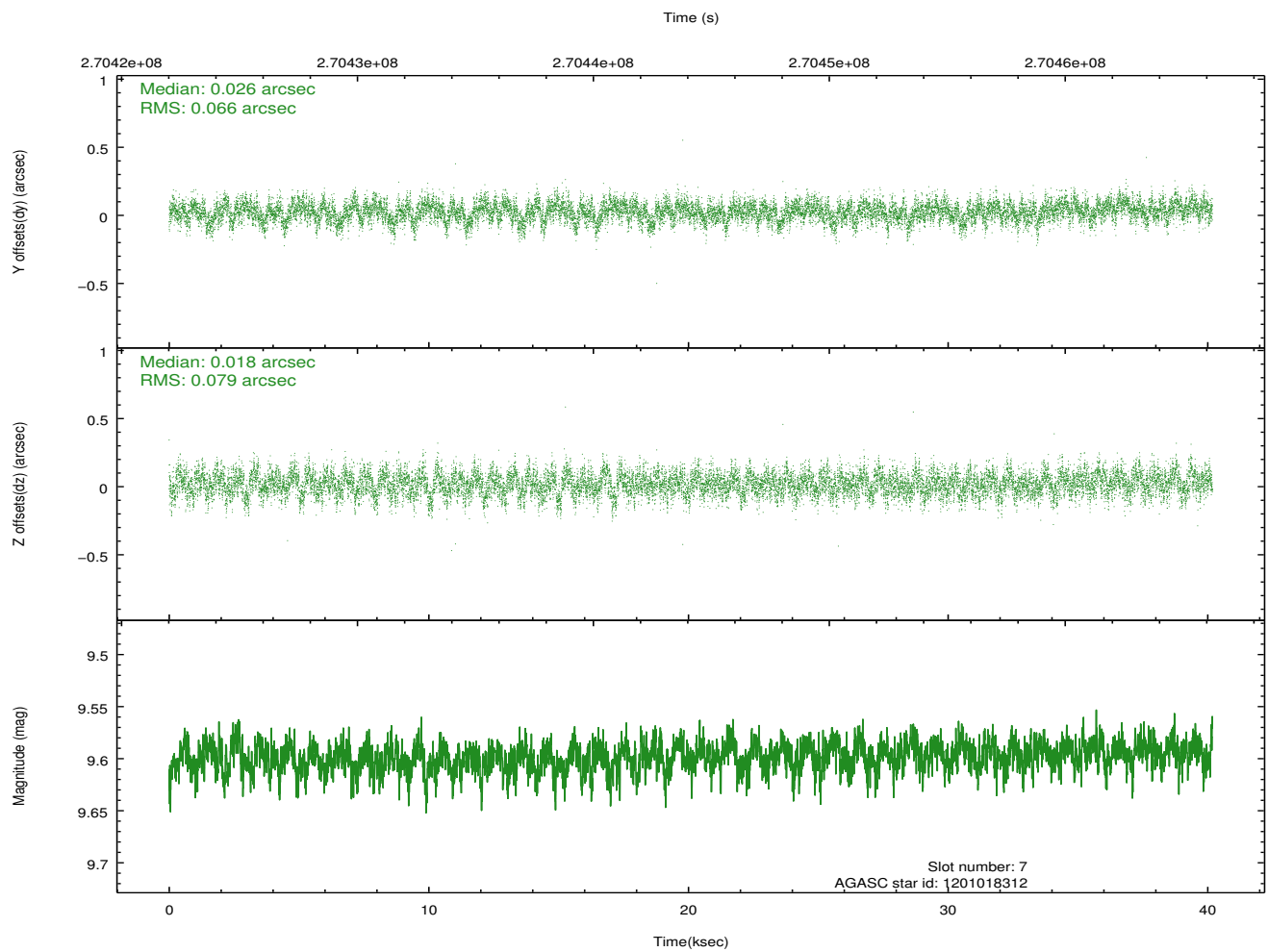
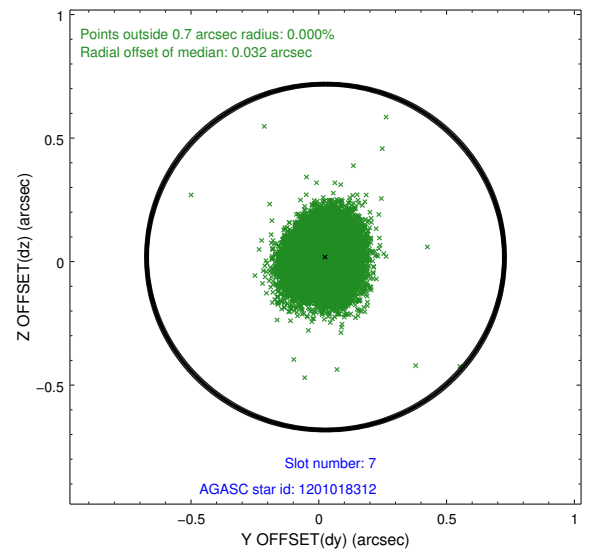
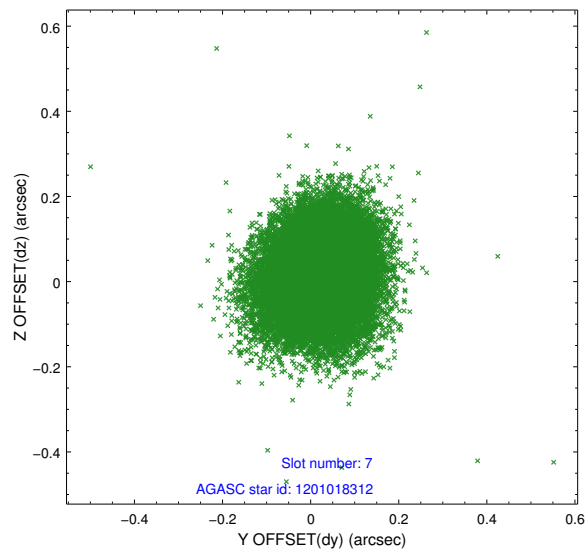
Time (s)



2.4.4 Slot 6

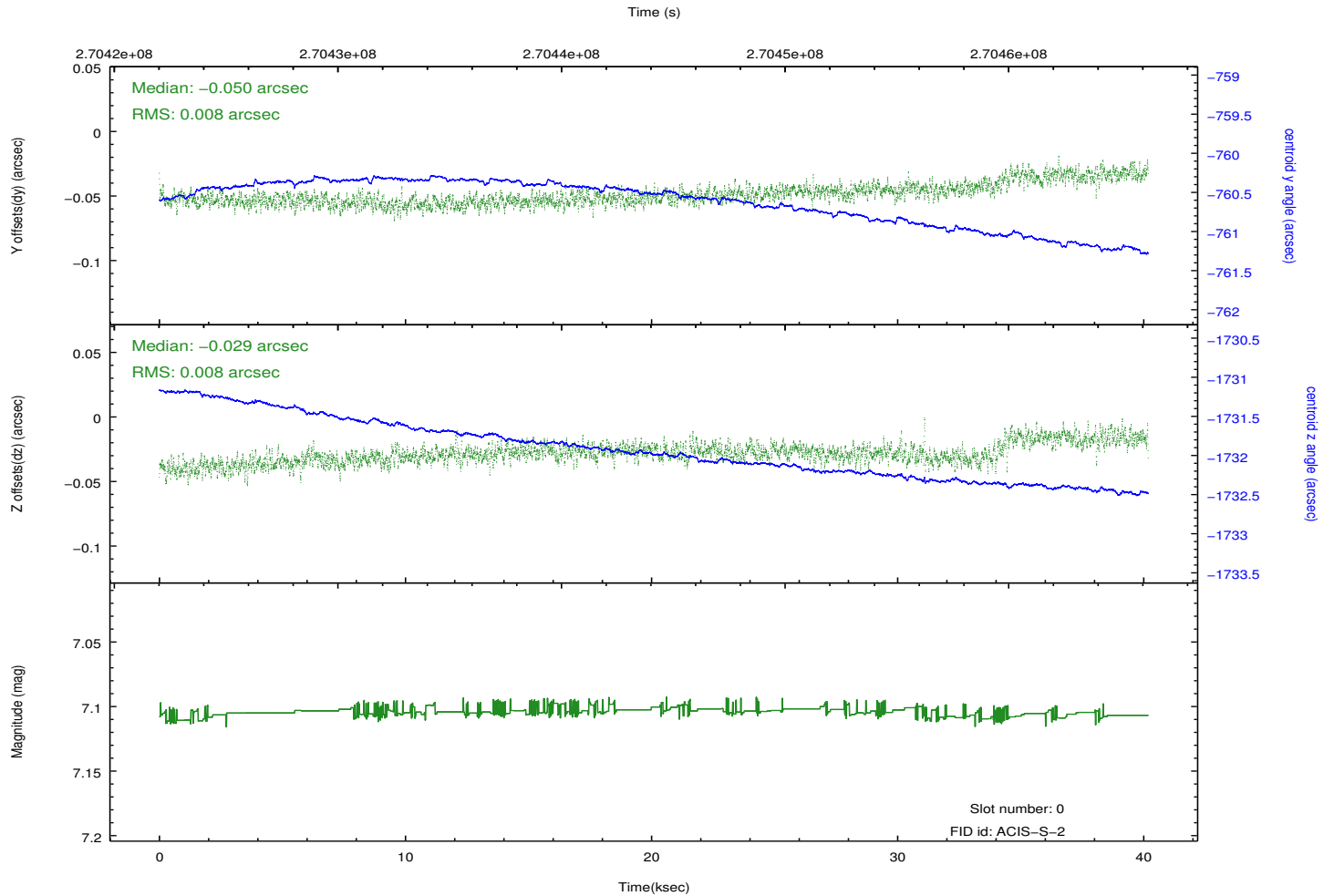
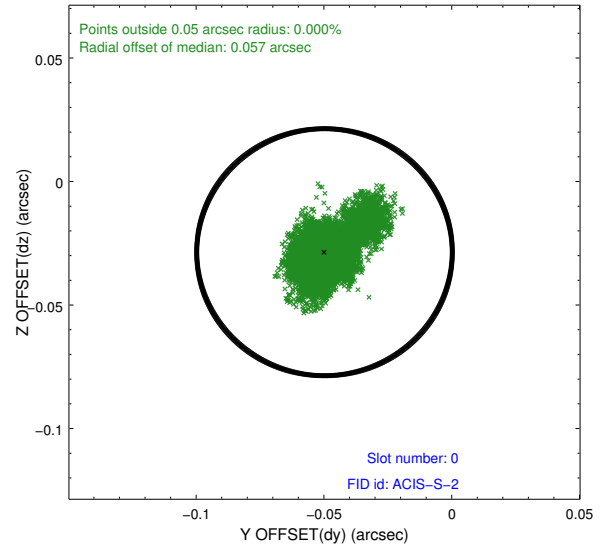
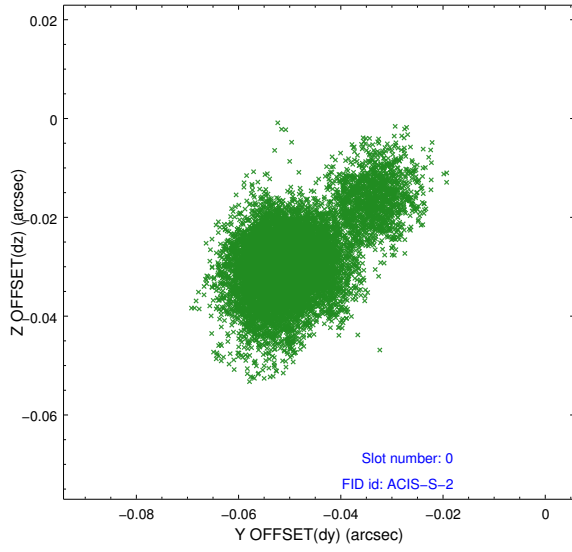


2.4.5 Slot 7

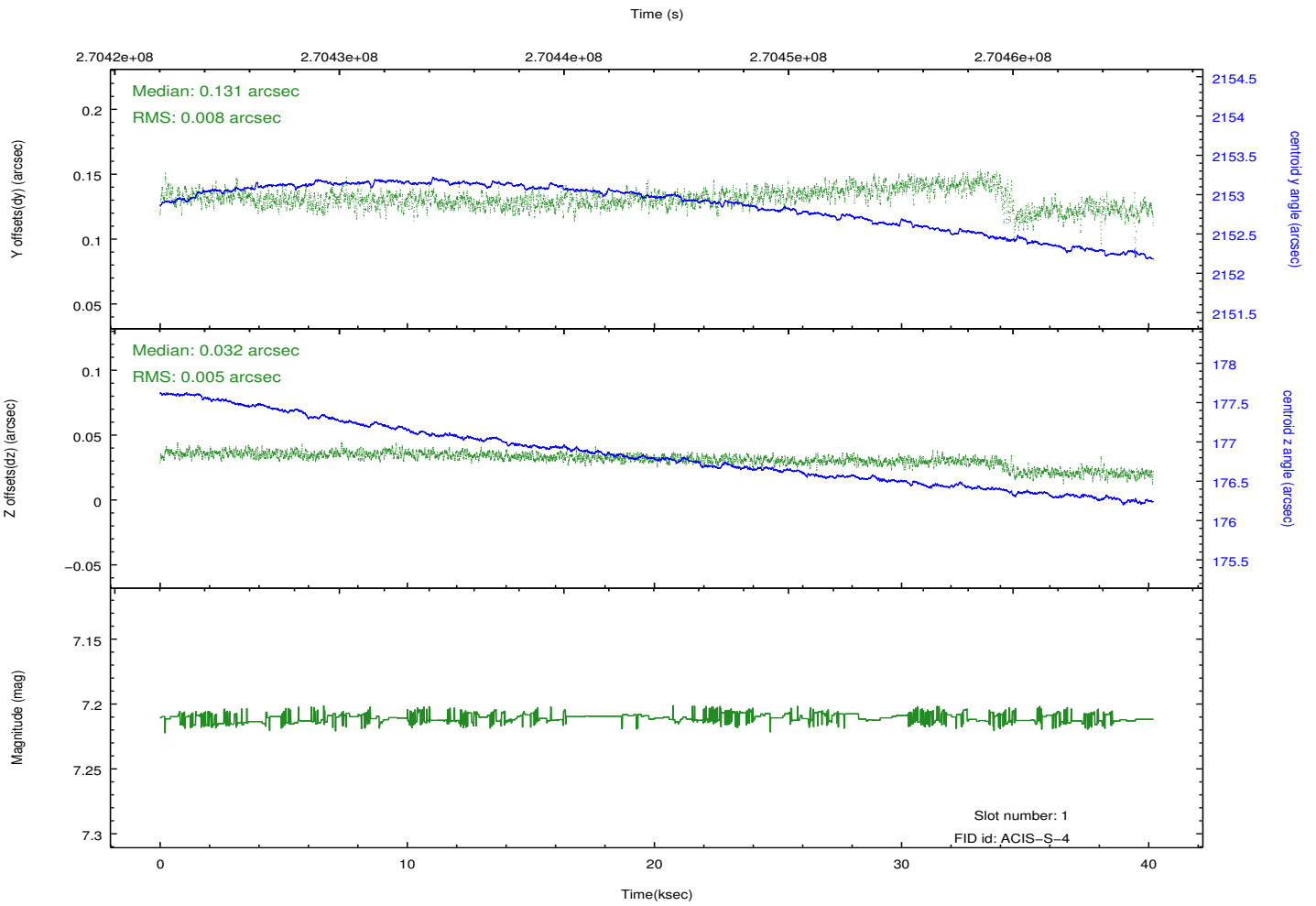
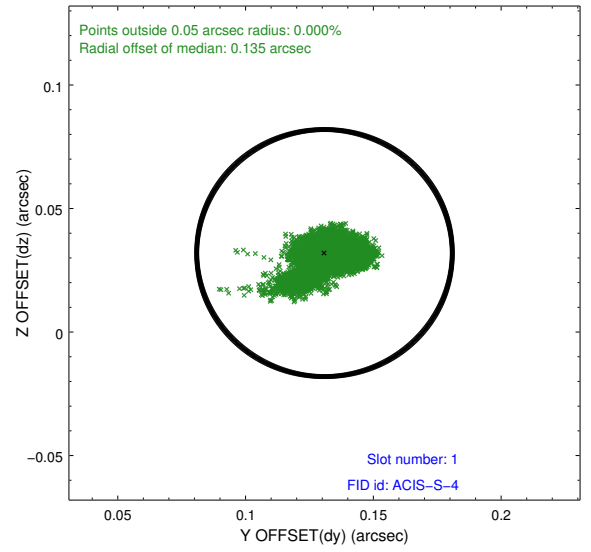
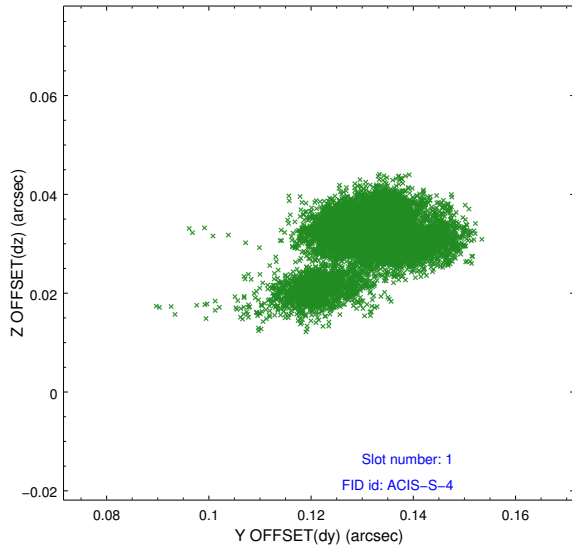


2.5 FID Slots

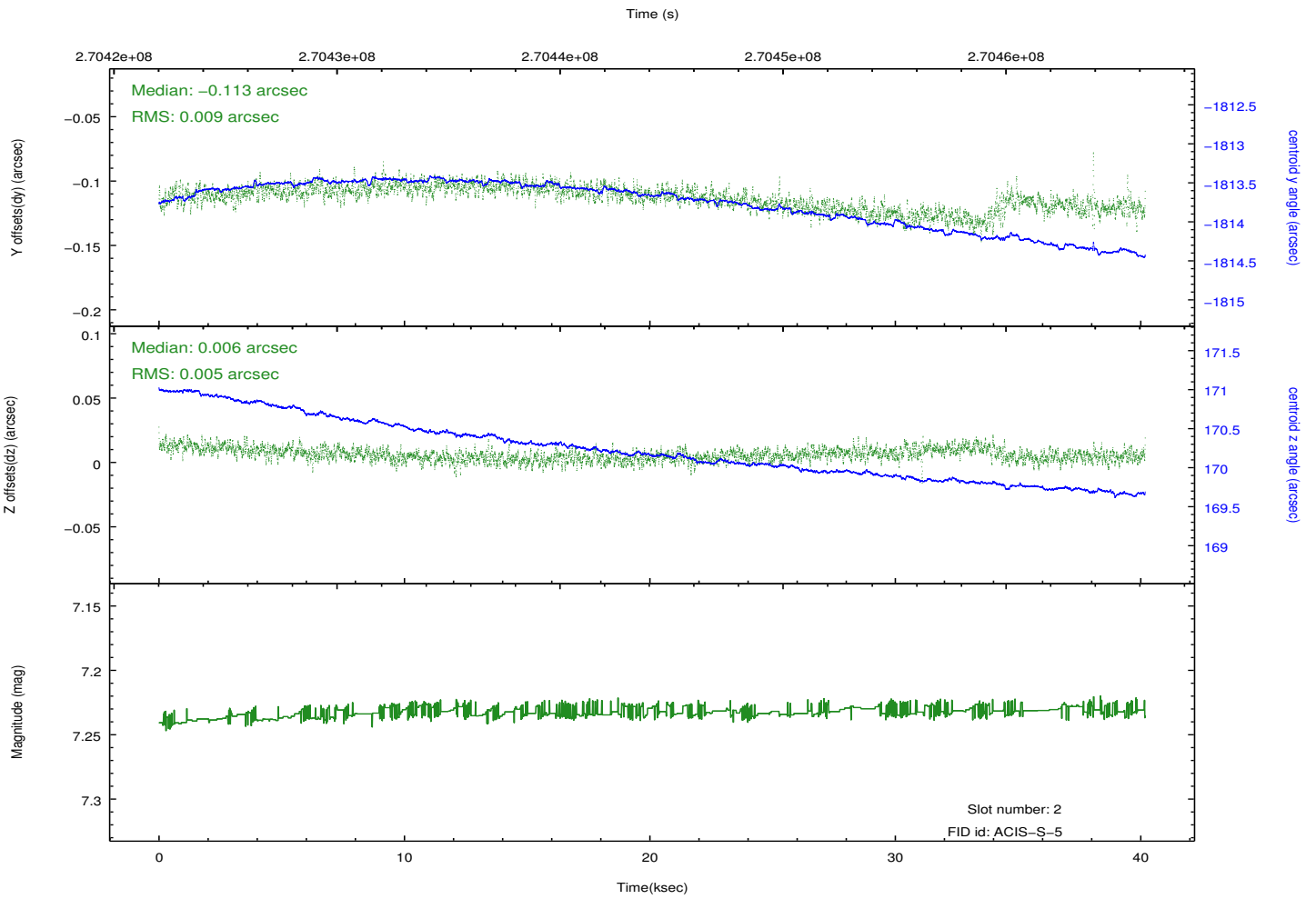
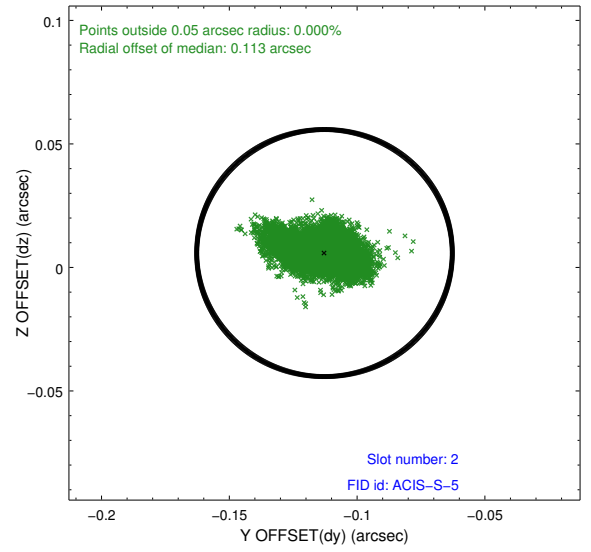
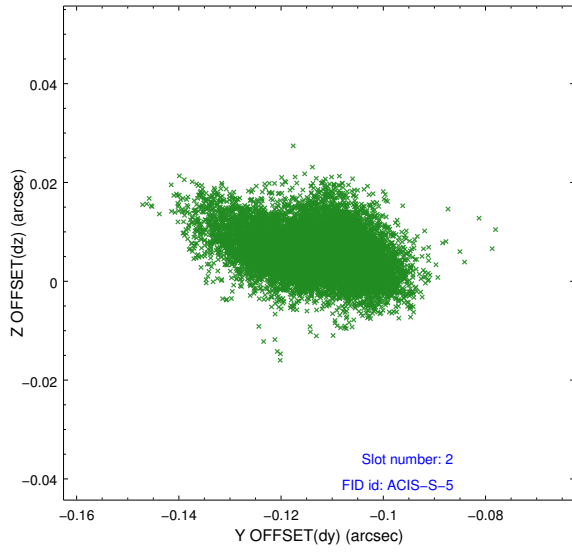
2.5.1 Slot 0



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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1847976

A.2 Comments

Monitor constraint met.