

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5389 - L2 Version 3
Chandra X-Ray Center

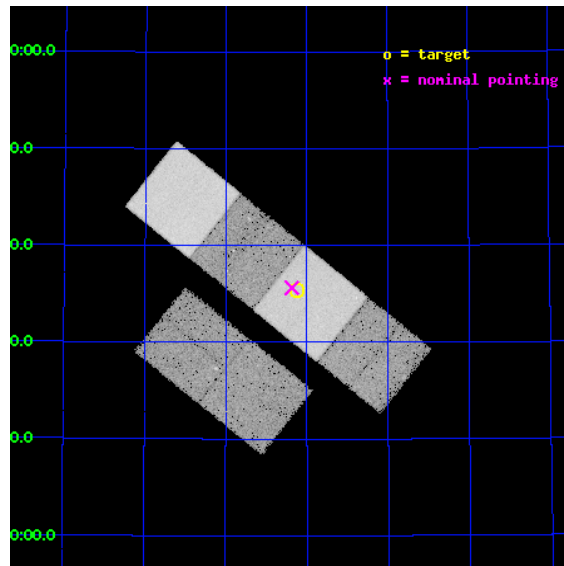
L2 Processing Date : Dec 21 2012

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1 Front

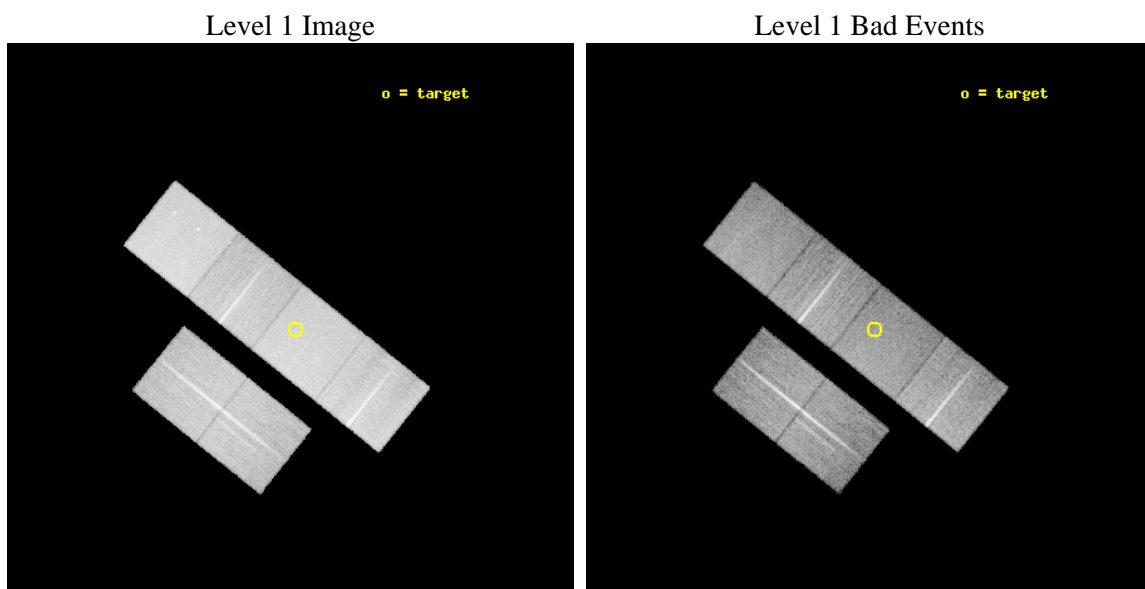
seq_num	200324	Sequence number
obs_id	5389	Observation id
title	The puzzle of X-ray emission from magnetic stars without convective envelopes	Proposal title
observer	Prof. Jurgen Schmitt	Principal investigator
object	HD 215441	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	341.03125	Observer's specified target RA [deg]
dec_targ	55.589222	Observer's specified target Dec [deg]
ra_nom	341.04624173424	Nominal RA [deg]
dec_nom	55.593846663041	Nominal Dec [deg]
roll_nom	38.72568505846	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20499.199923635	Sum of GTIs [s]
livetime	20239.626711065	Livetime [s]
ontime2	20499.199923635	Sum of GTIs [s]
ontime3	20499.199923635	Sum of GTIs [s]
ontime5	20499.199923635	Sum of GTIs [s]
ontime6	20499.199923635	Sum of GTIs [s]
ontime7	20499.199923635	Sum of GTIs [s]
ontime8	20499.199923635	Sum of GTIs [s]
l2events	255074	Number of level 2 events



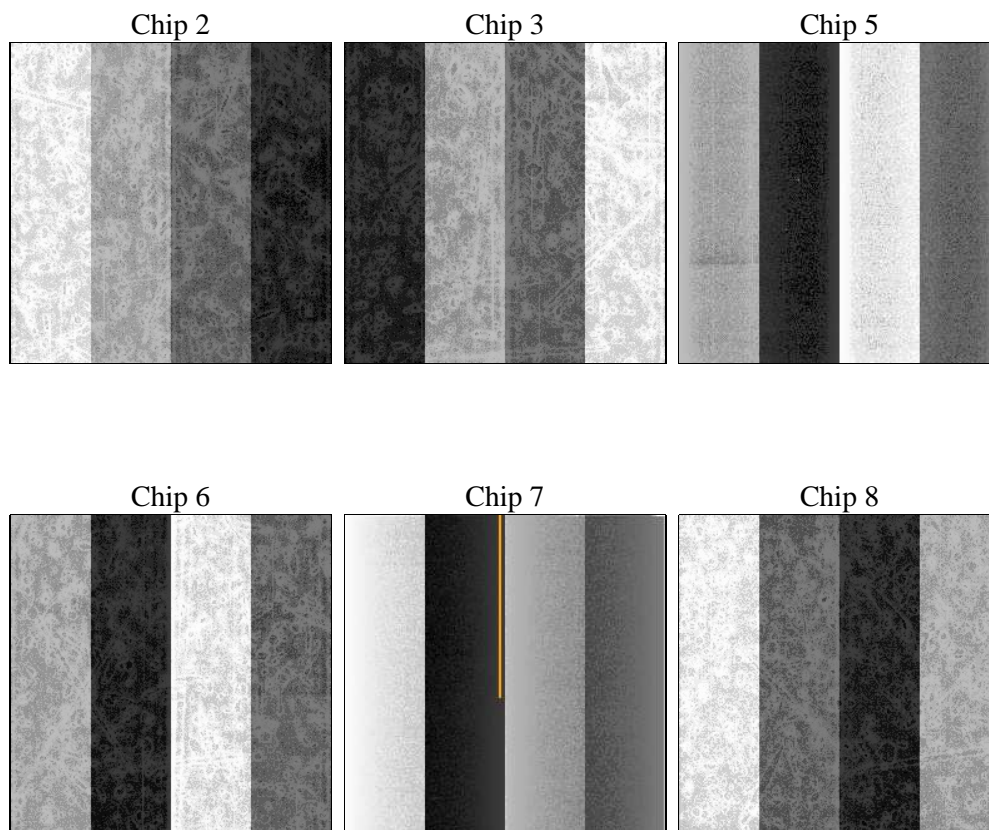
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20375.437000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	20499.199923635	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	20499.199923635	Sum of GTIs [s]
date	2012-12-21T16:22:00	Date and time of file creation	ontime3	20499.199923635	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	20499.199923635	Sum of GTIs [s]
			ontime6	20499.199923635	Sum of GTIs [s]
			ontime7	20499.199923635	Sum of GTIs [s]
			ontime8	20499.199923635	Sum of GTIs [s]
			l1events	1109070	Number of level 1 events

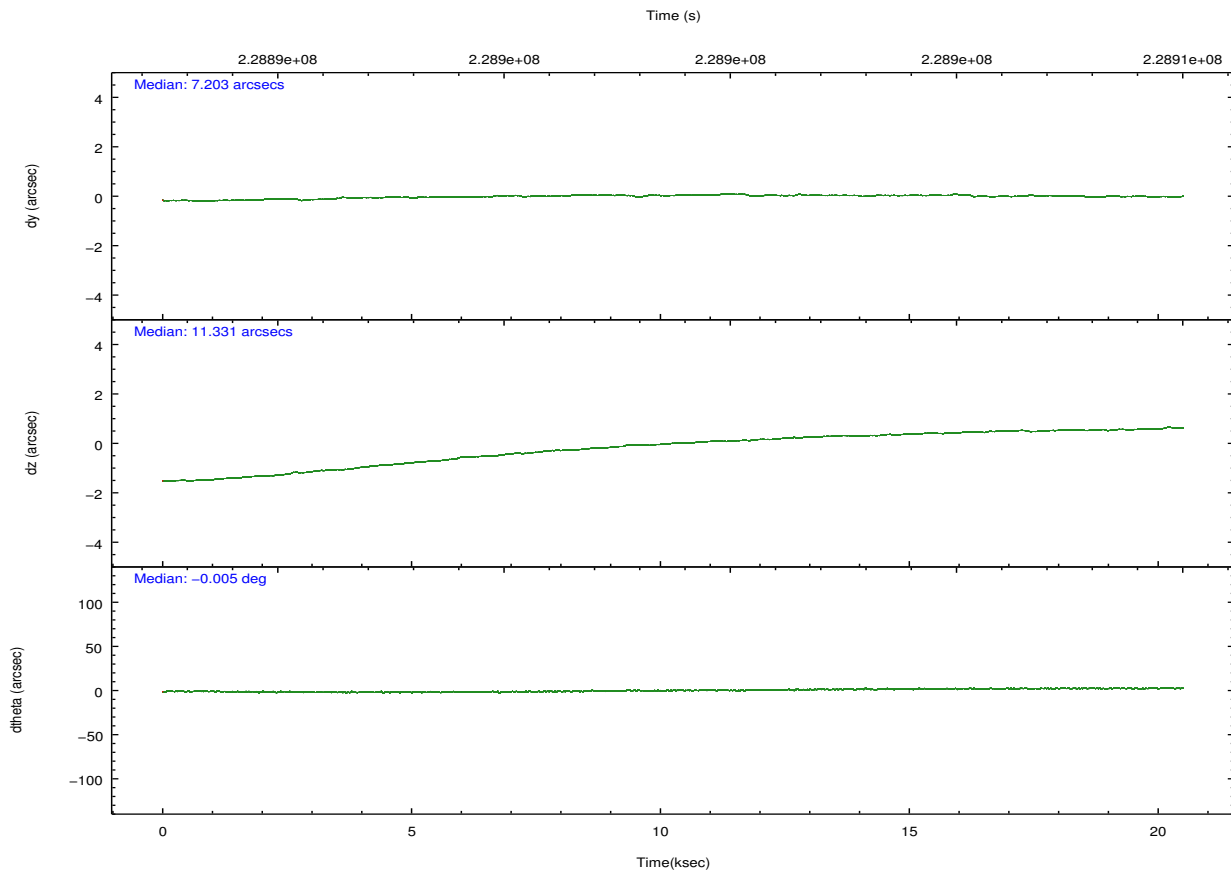
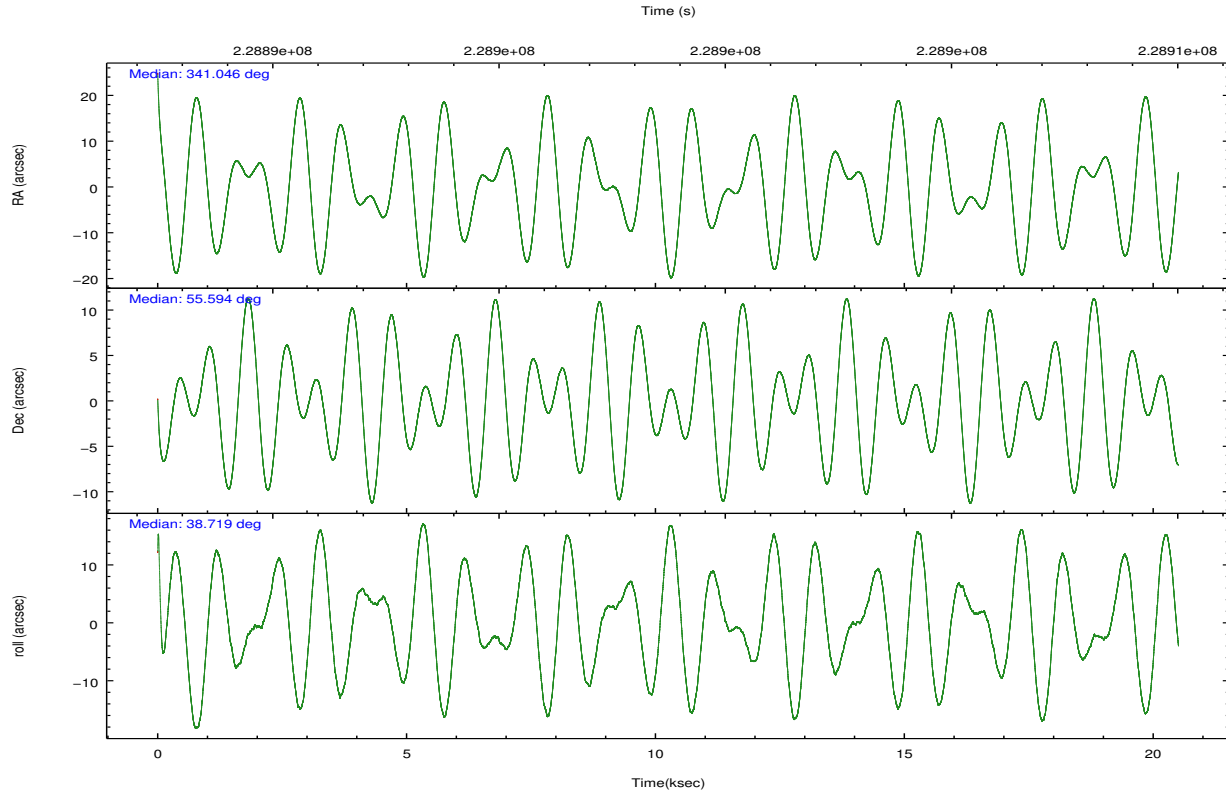
2.1.4 Events

	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	157256	147629	230562	161855	211972	199796	grade 0 events	8954	8424	7557	8332	7759	14193
rejected events	138041	129199	127422	142093	123707	156923		5%	5%	3%	5%	3%	7%
rejected %	87%	87%	55%	87%	58%	78%	grade 1 events	106	87	286	73	196	147
								0%	0%	0%	0%	0%	0%
							grade 2 events	3783	3532	31346	4149	18032	9296
								2%	2%	13%	2%	8%	4%
							grade 3 events	1746	1794	4160	1757	7588	4476
								1%	1%	1%	1%	3%	2%
							grade 4 events	1781	1765	4008	1892	7703	4239
								1%	1%	1%	1%	3%	2%
							grade 5 events	6139	6850	16988	7097	20152	9538
								3%	4%	7%	4%	9%	4%
							grade 6 events	3185	3123	57269	3839	48236	11163
								2%	2%	24%	2%	22%	5%
							grade 7 events	131562	122054	108948	134716	102306	146744
								83%	82%	47%	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	341.029394	341.0462417342396	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.568357	55.59384666304088	Alternating exposures requested	N	N
[deg] Pointing Roll	38.582937	38.72568505846004	[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)	228888613.184000	228887453.50975			
Observation start date	2005-04-03T04:09:09	2005-04-03T03:50:53			
[s] Observation end time (MET)	228908988.184000	228909208.11074			
Observation end date	2005-04-03T09:48:44	2005-04-03T09:53:28			
Read mode	TIMED	TIMED			

2.3 Aspect

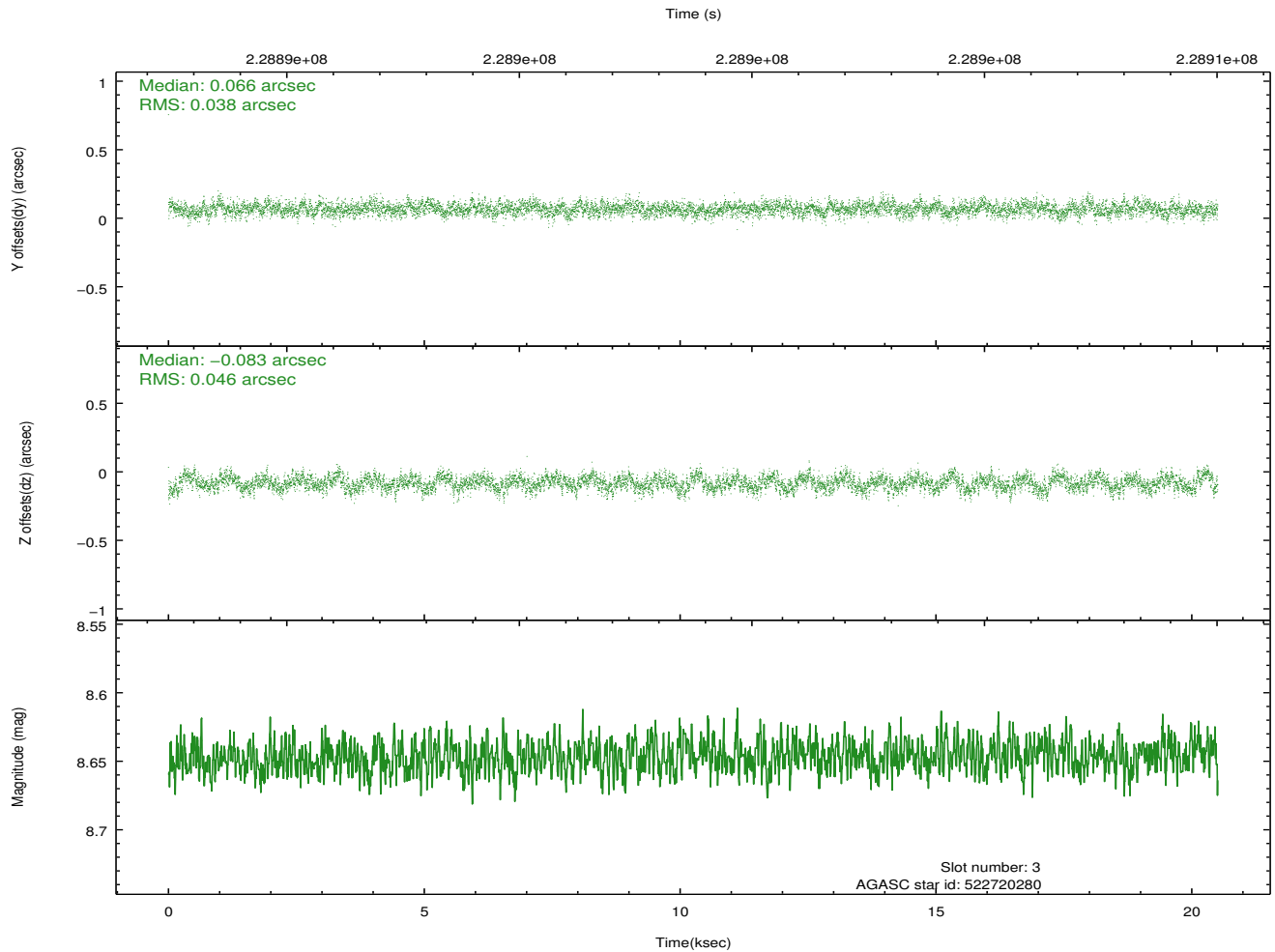
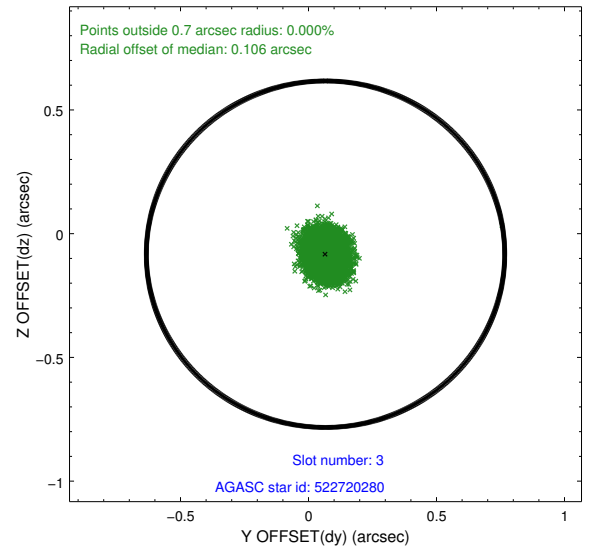
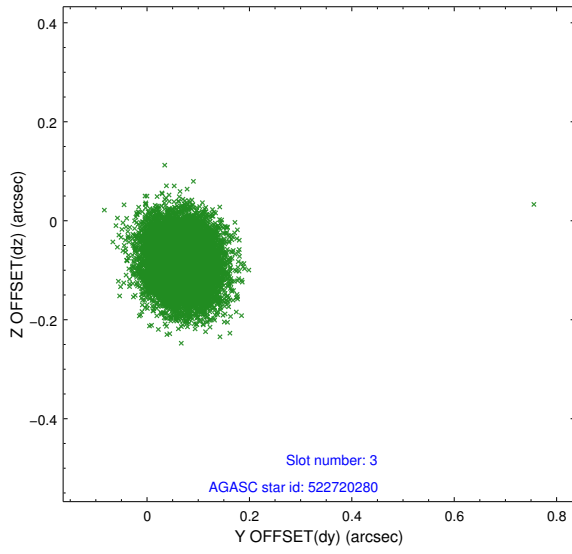


Slot Statistics

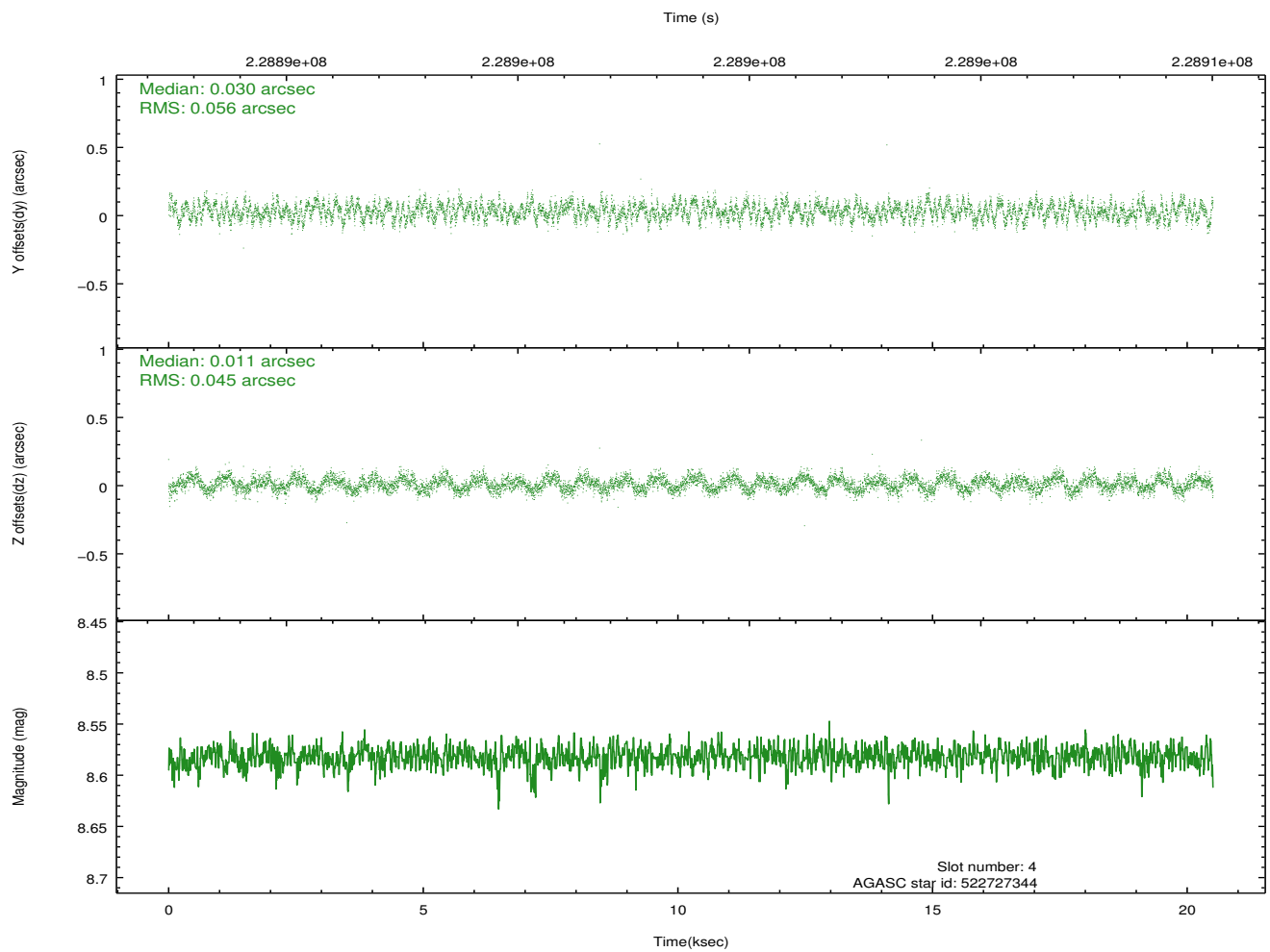
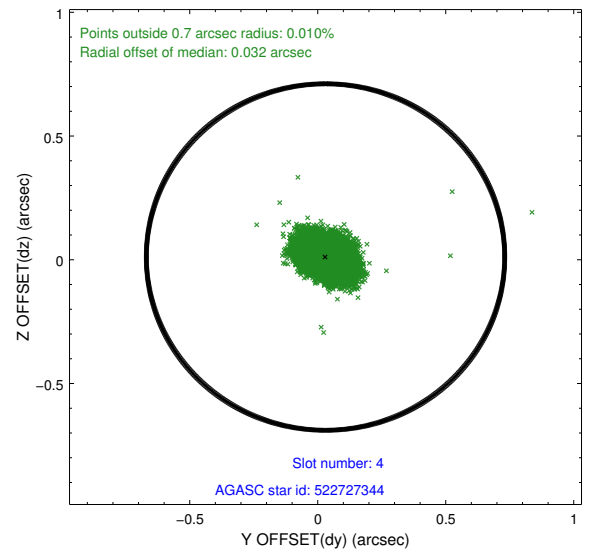
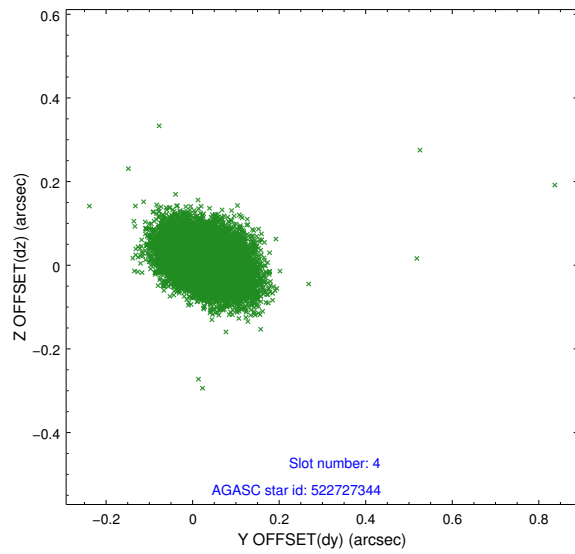
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	5003	-0.047	-0.031	0.013	0.019	0.000000	0.000000	-759.96	-1732.44
1	FID	ACIS-S-4	7.20	5003	0.096	0.031	0.015	0.023	0.000000	0.000000	2153.35	175.96
2	FID	ACIS-S-5	7.23	5002	-0.080	0.008	0.010	0.015	0.000000	0.000000	-1812.63	169.75
3	GUIDE	522720280	8.65	10001	0.066	-0.083	0.063	0.102	341.147176	55.856789	833.89	663.78
4	GUIDE	522727344	8.58	10003	0.030	0.011	0.076	0.121	340.072680	55.624980	-1384.35	1382.72
5	GUIDE	522605336	8.80	9999	-0.073	-0.015	0.080	0.129	339.553484	55.565557	-2335.06	1890.91
6	GUIDE	522729416	6.92	10005	-0.069	-0.032	0.049	0.080	340.716317	54.757406	-2328.08	-1875.26
7	GUIDE	522719984	8.59	9999	0.046	0.115	0.071	0.114	341.599464	54.990609	-373.49	-2356.17

2.4 Star Slots

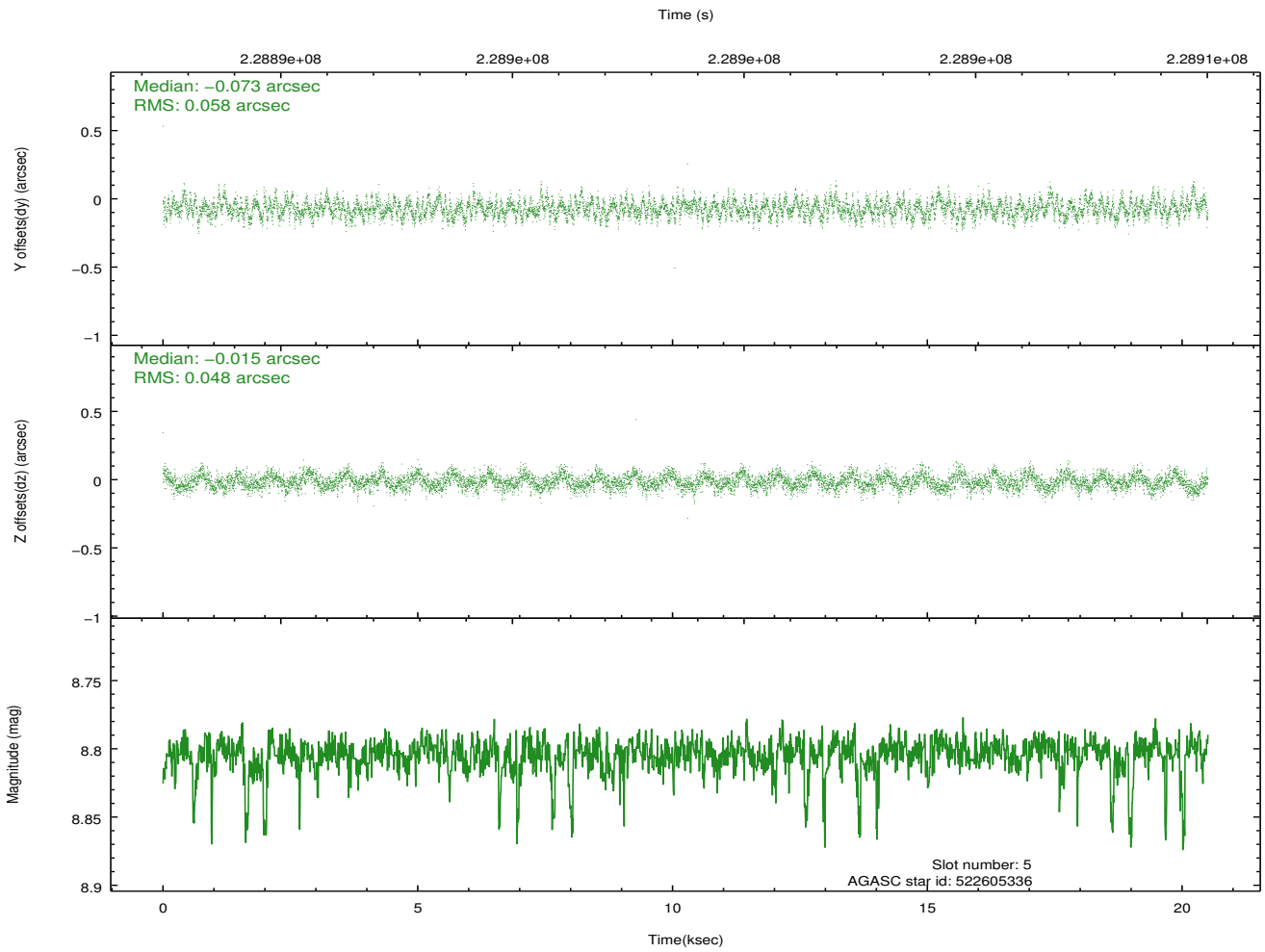
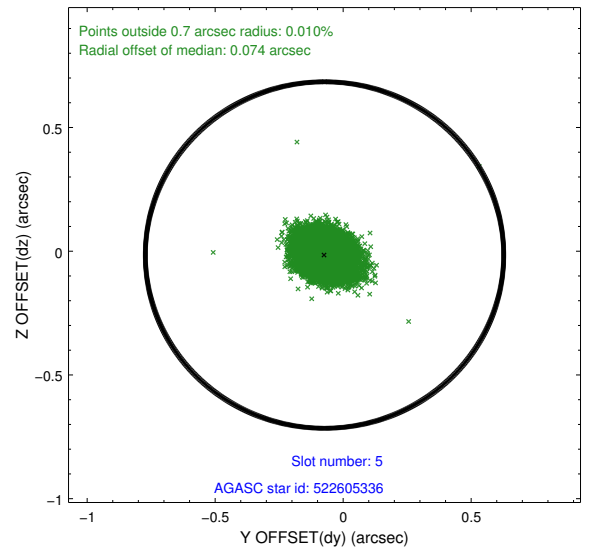
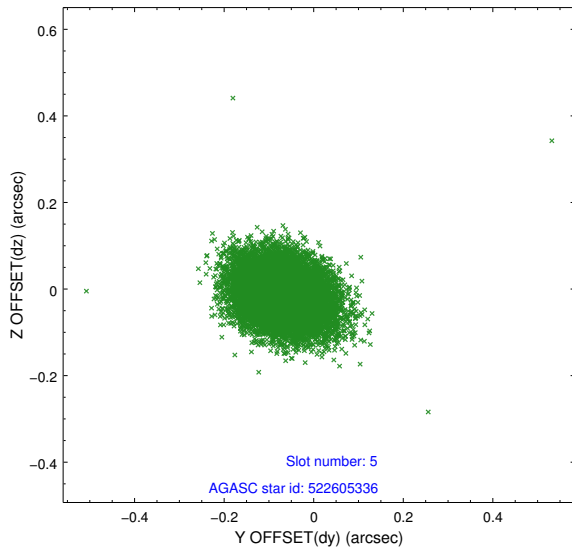
2.4.1 Slot 3



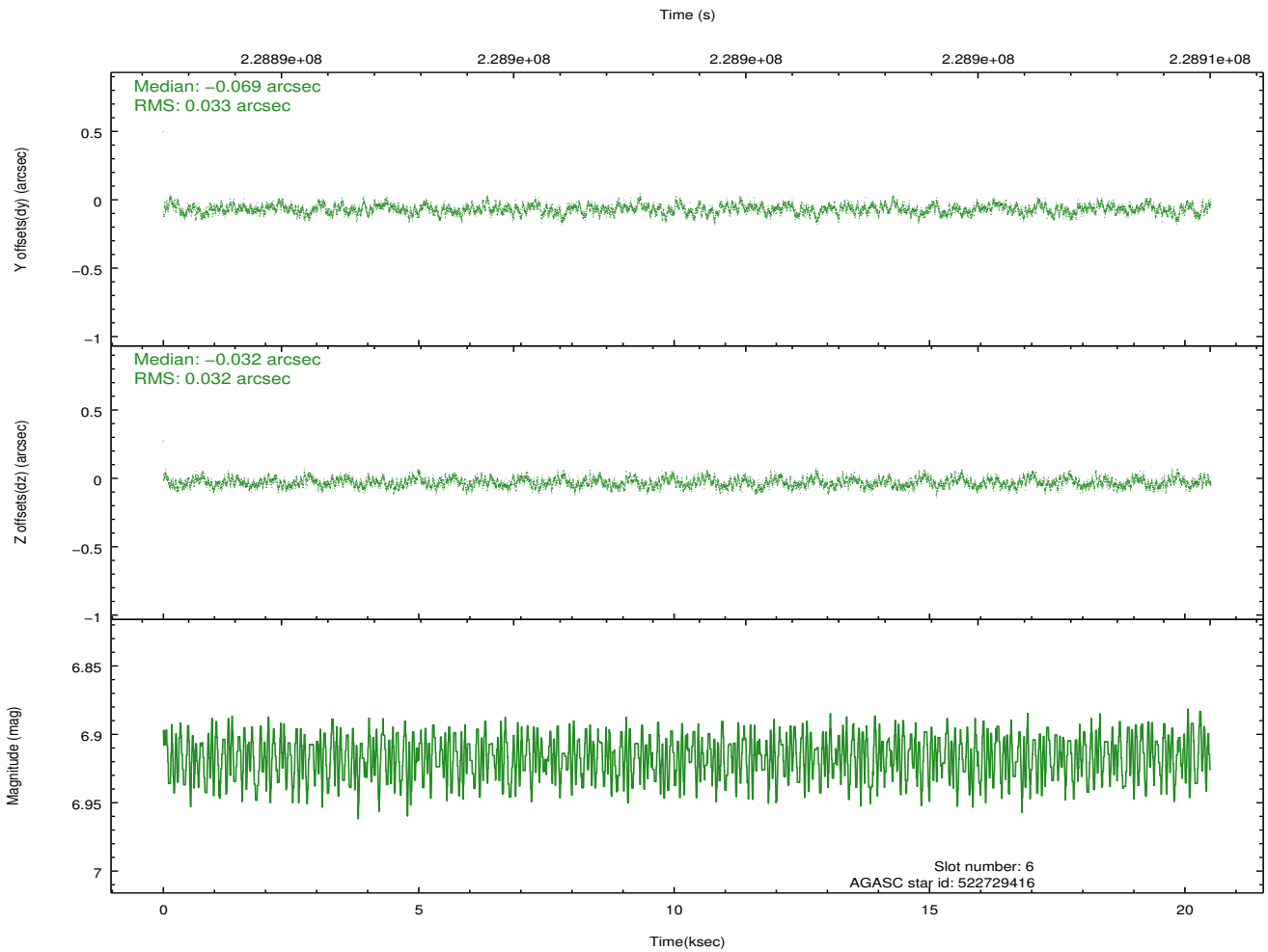
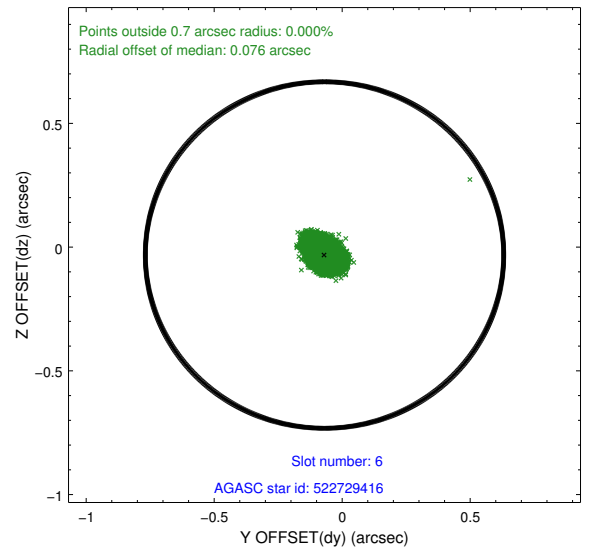
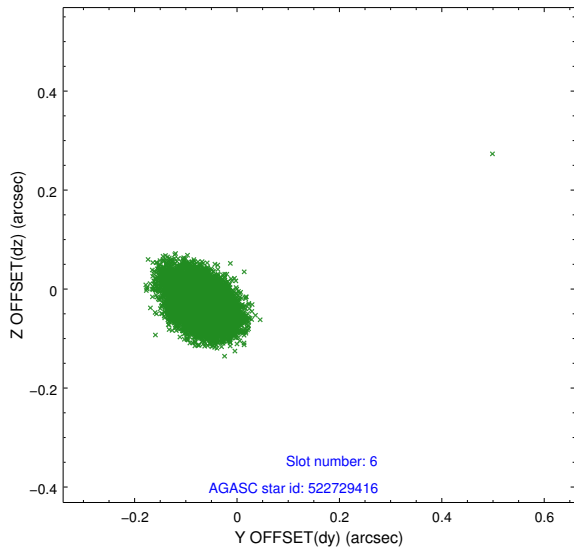
2.4.2 Slot 4



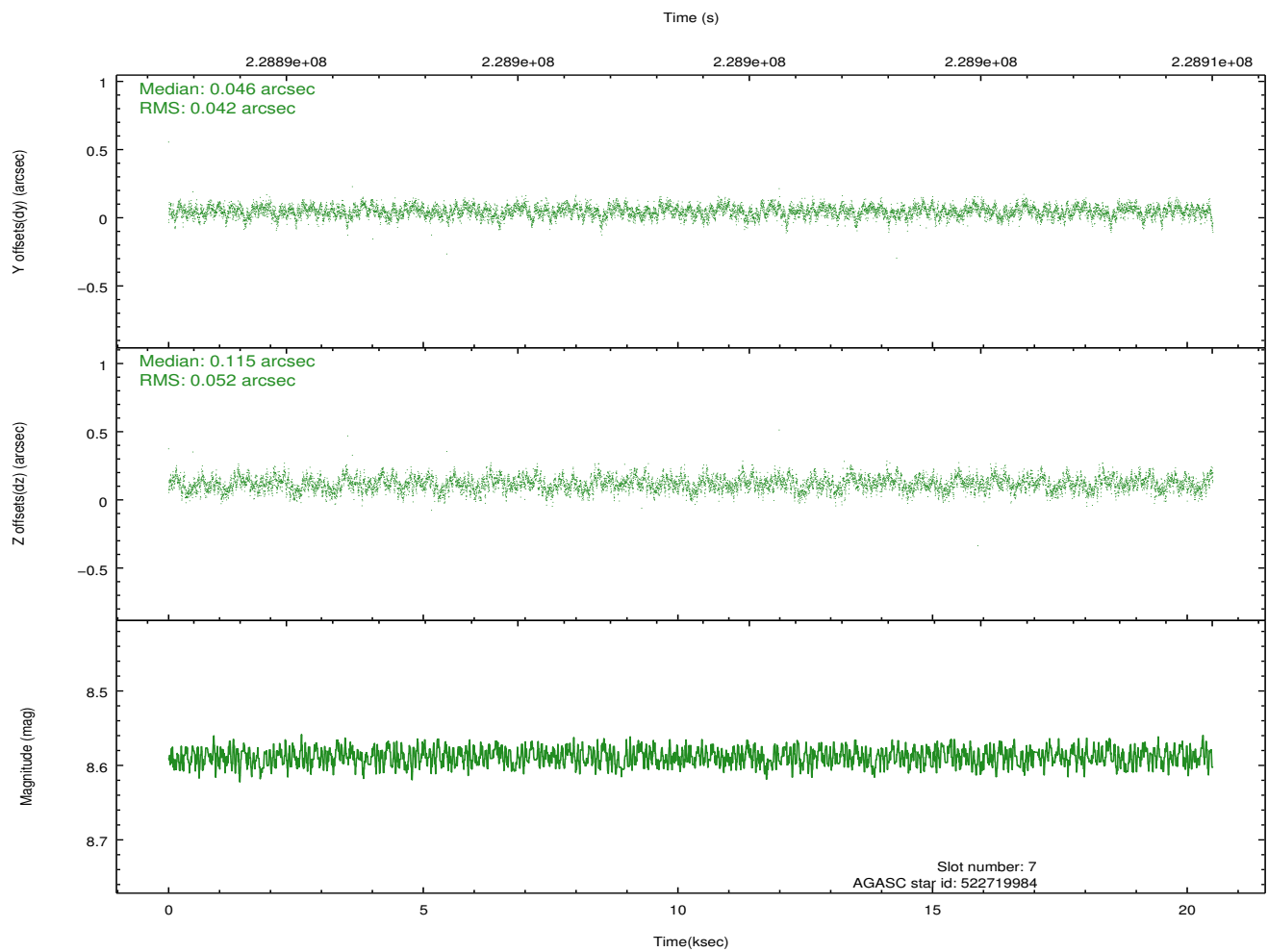
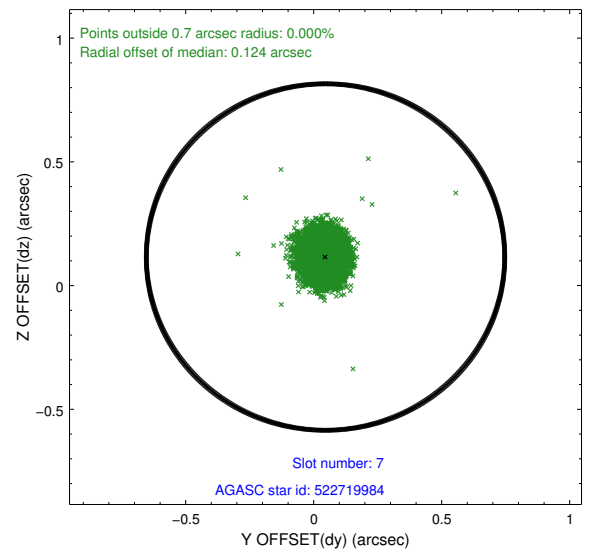
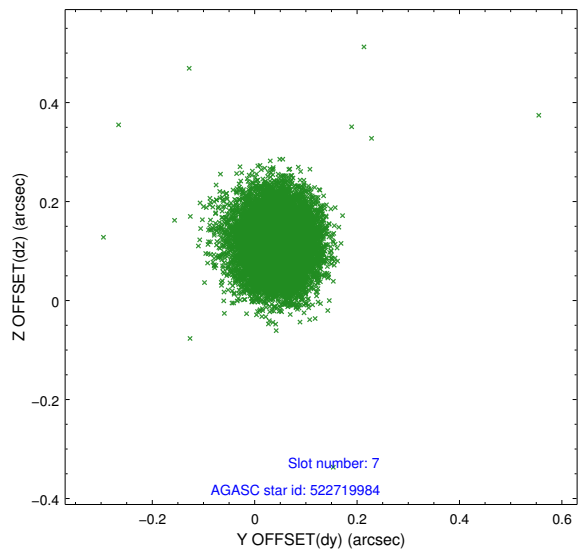
2.4.3 Slot 5



2.4.4 Slot 6

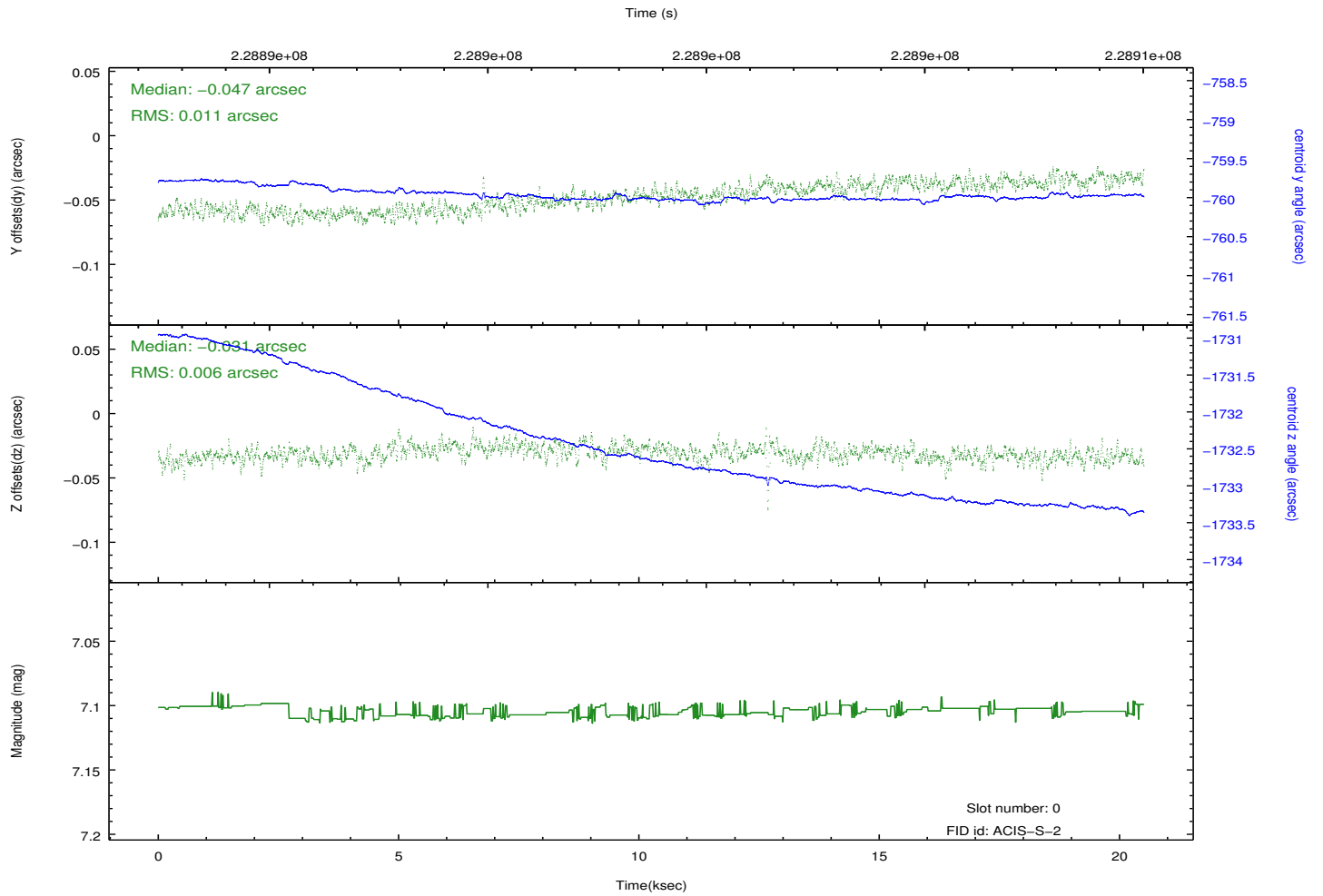
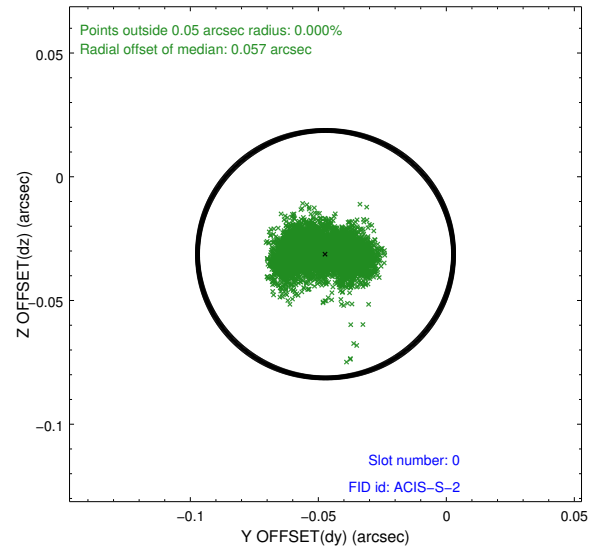
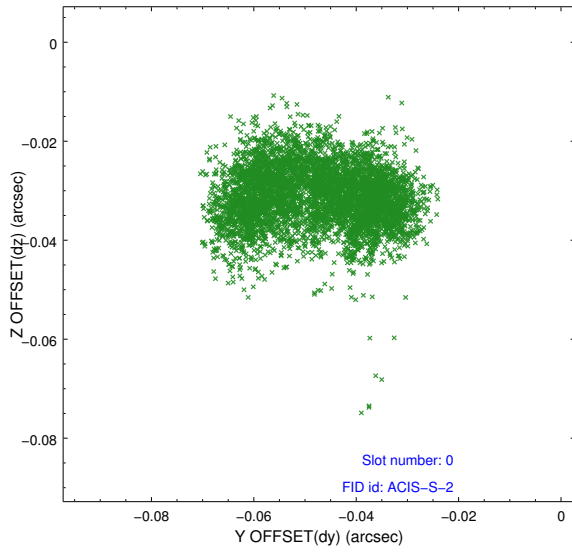


2.4.5 Slot 7

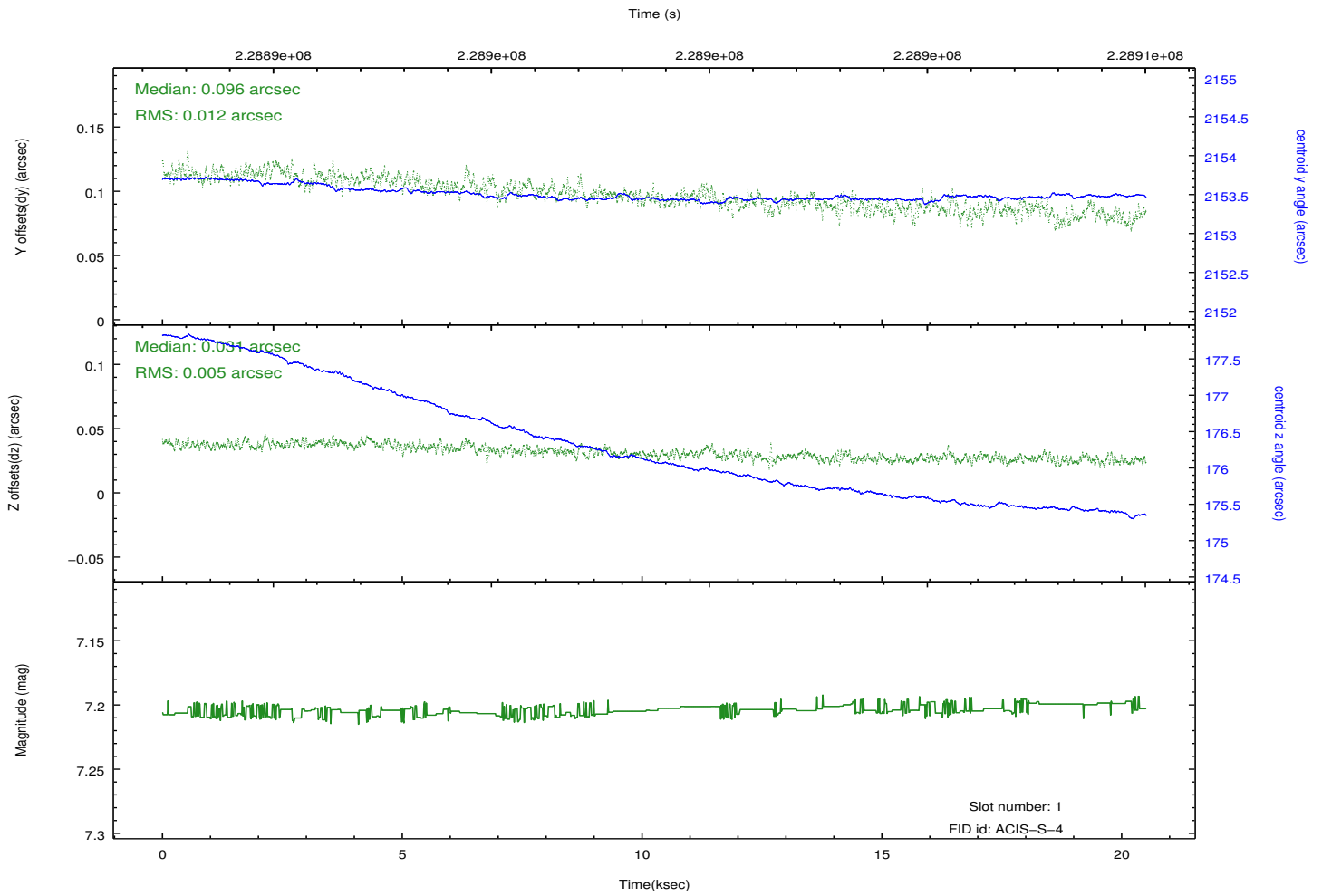
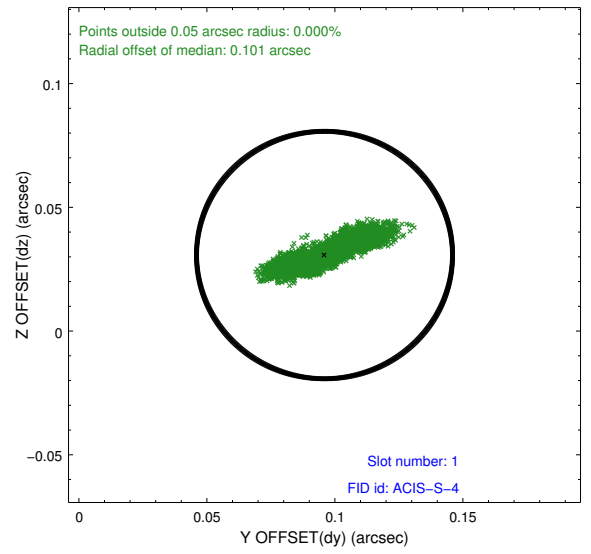
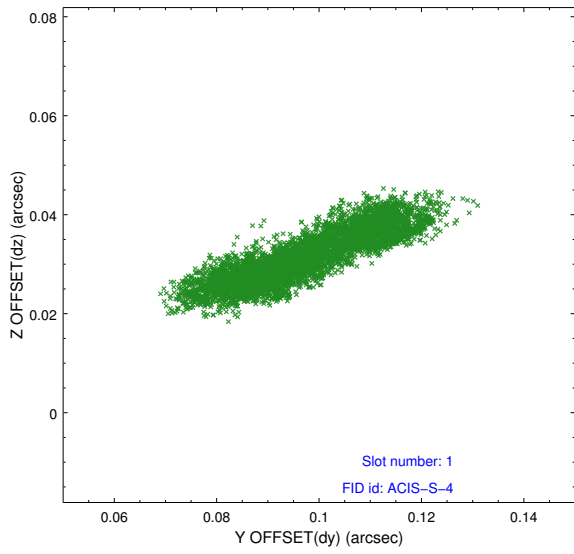


2.5 FID Slots

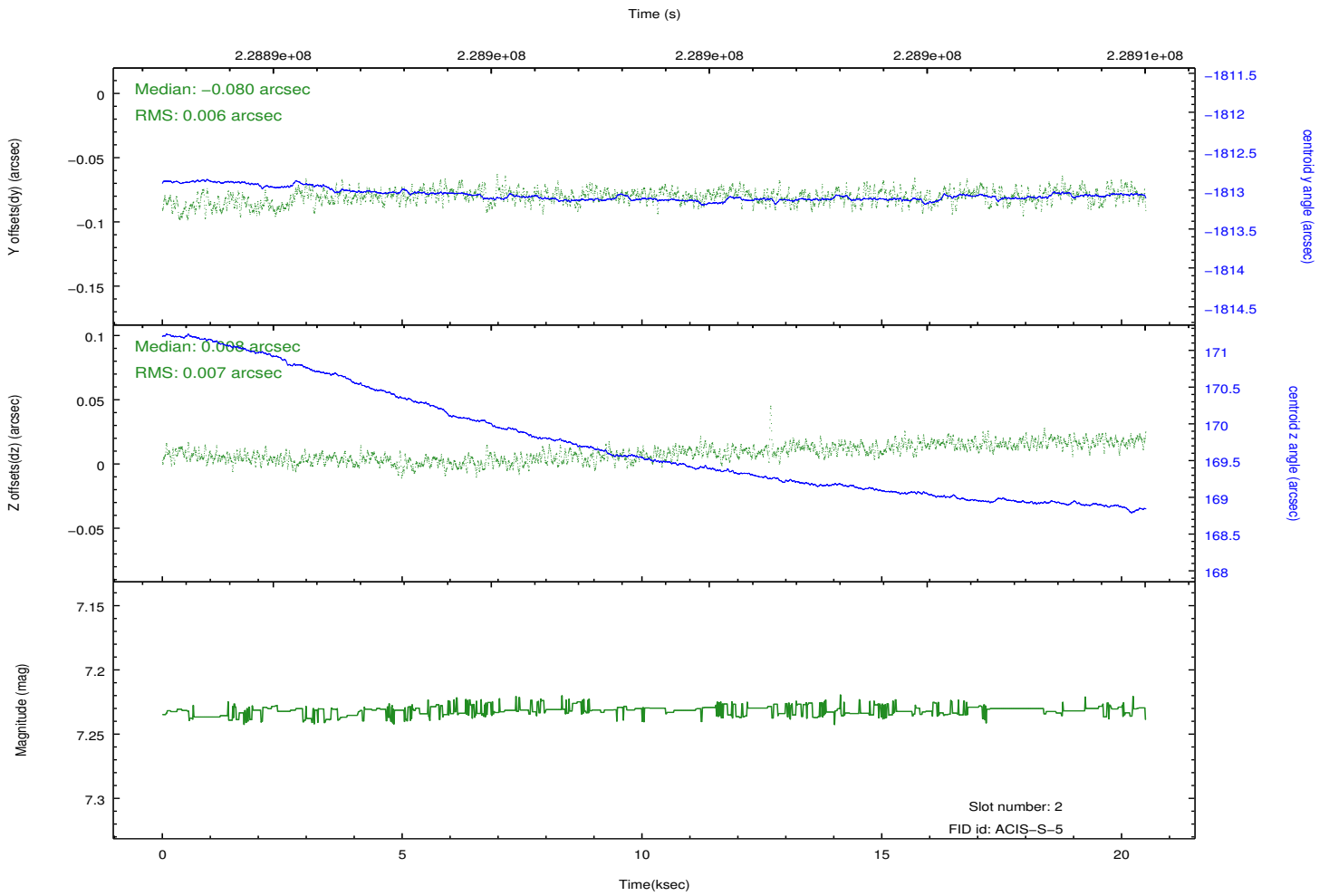
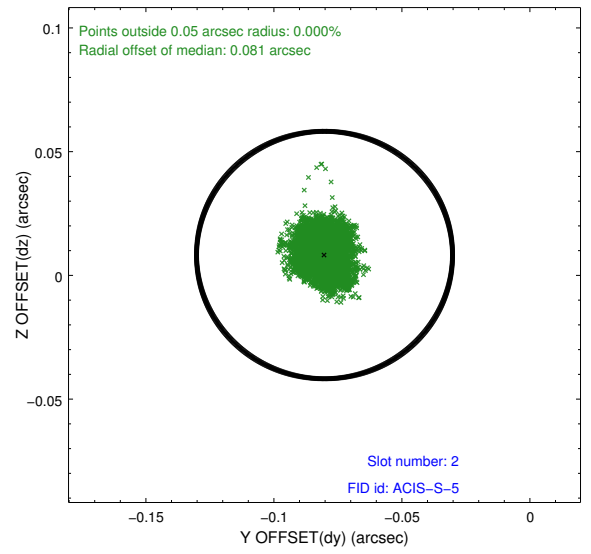
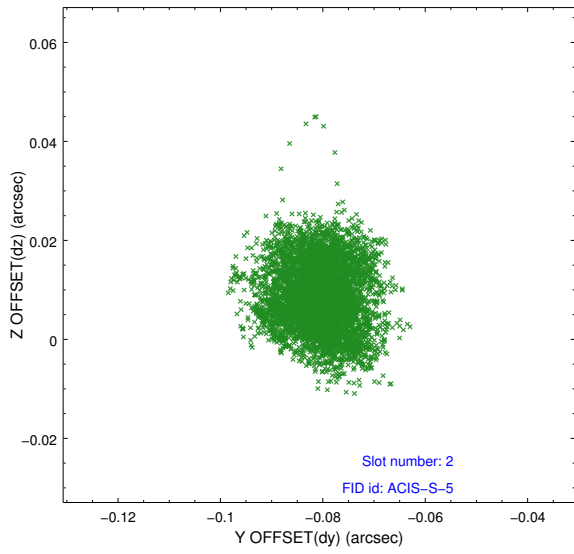
2.5.1 Slot 0



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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.49919

A.2 Comments