

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18789 - L2 Version 1
Chandra X-Ray Center

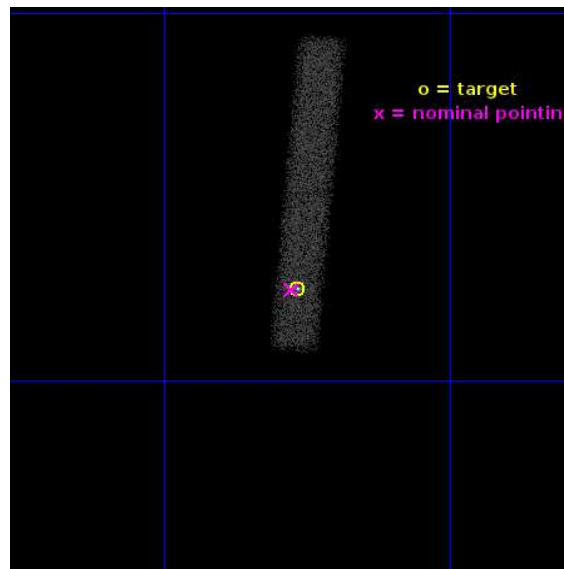
L2 Processing Date : Feb 25 2016

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1 Front

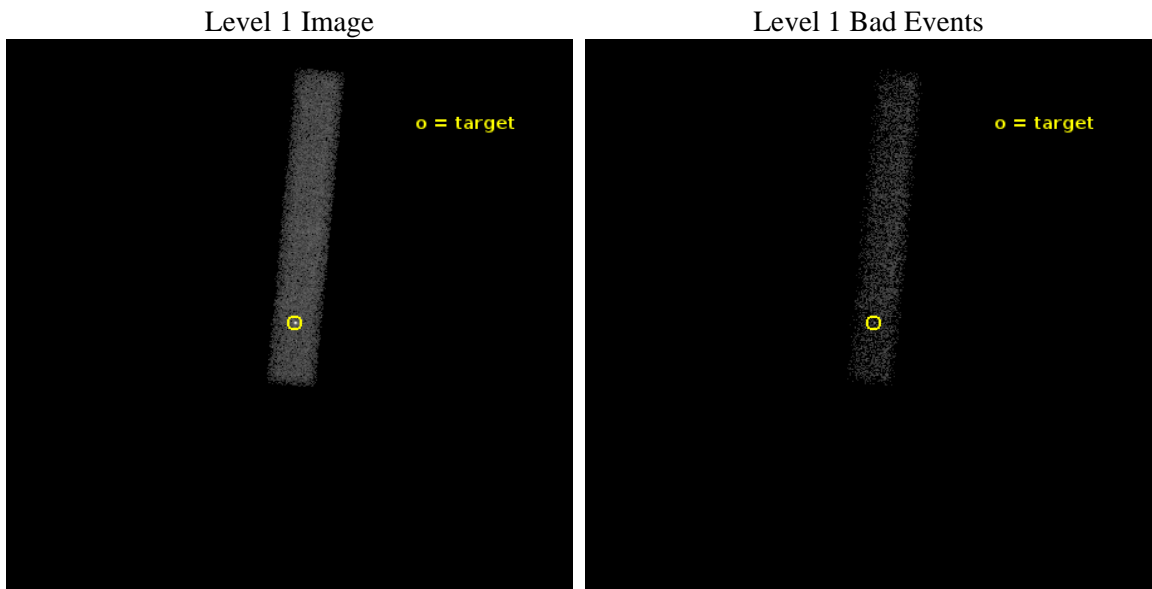
seq_num	703295	Sequence number
obs_id	18789	Observation id
title	Catching a Changing Look Quasar as it retreats to the Shadows for the Second Time	Proposal title
observer	Grant Tremblay	Principal investigator
object	Mrk 1018	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	31.566667	Observer's specified target RA [deg]
dec_targ	-0.291389	Observer's specified target Dec [deg]
ra_nom	31.56931795783	Nominal RA [deg]
dec_nom	-0.29198848534558	Nominal Dec [deg]
roll_nom	275.15663303658	Nominal Roll [deg]
revision	1	Processing version of data
ontime	29978.798213005	Sum of GTIs [s]
livetime	27189.187568479	Livetime [s]
ontime7	29978.798213005	Sum of GTIs [s]
l2events	20170	Number of level 2 events



2 OBI

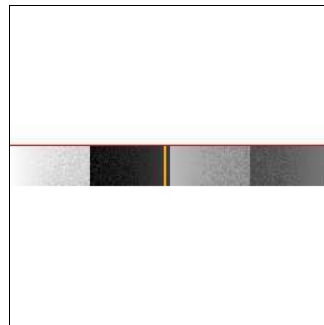
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29909.008000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	29978.798213005	Sum of GTIs [s]
caldsver	4.7.0	 	ontime7	29978.798213005	Sum of GTIs [s]
date	2016-02-25T22:06:39	Date and time of file creation	l1events	37886	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

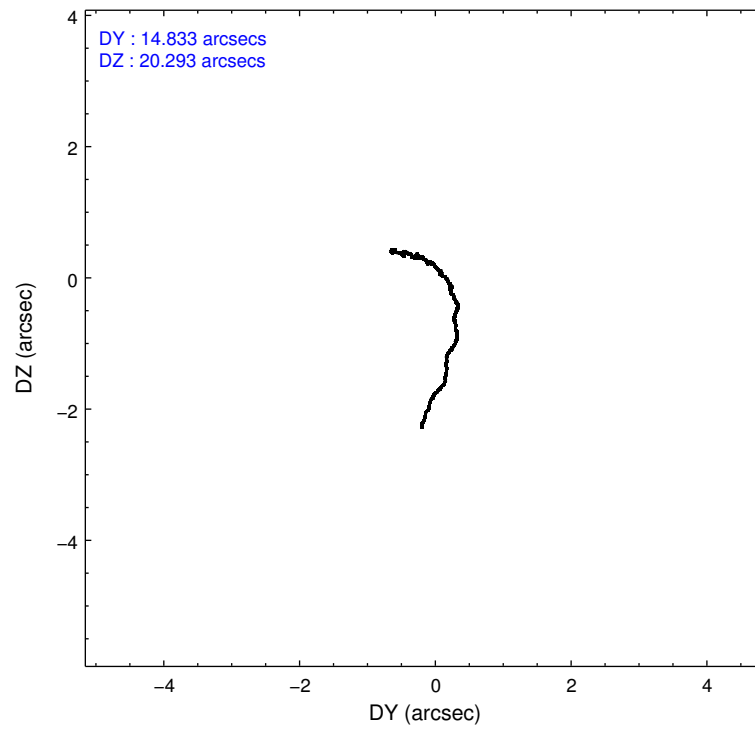
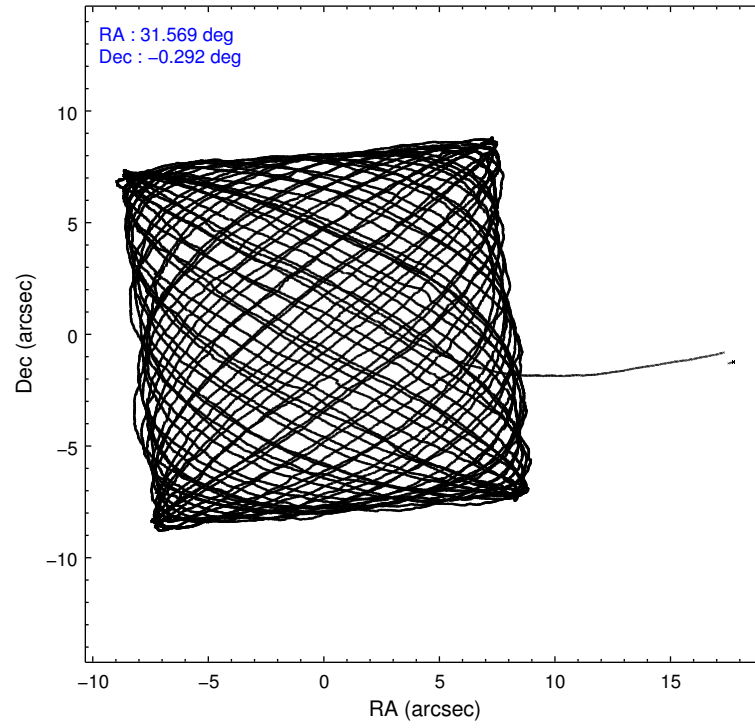
	ccd 7
level 1 events	37886
rejected events	17011
rejected %	44%

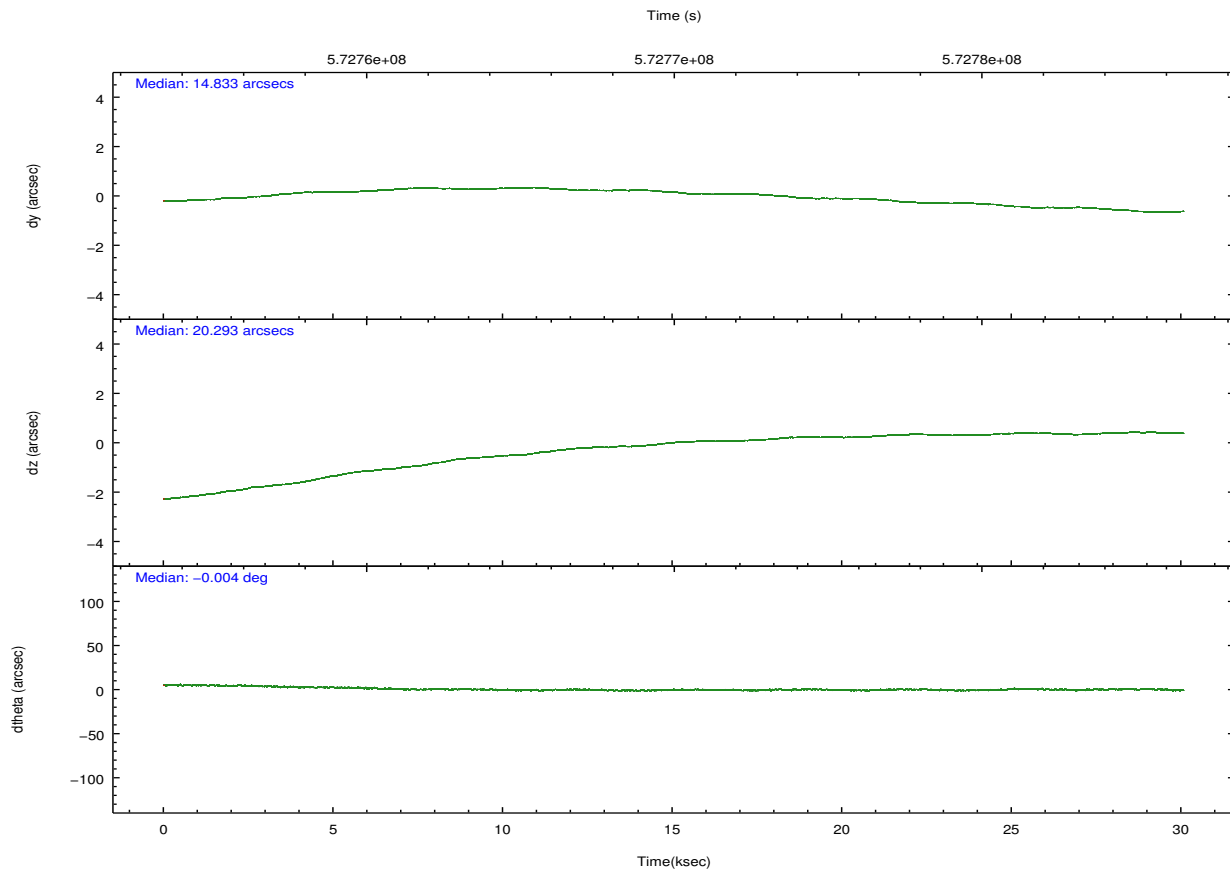
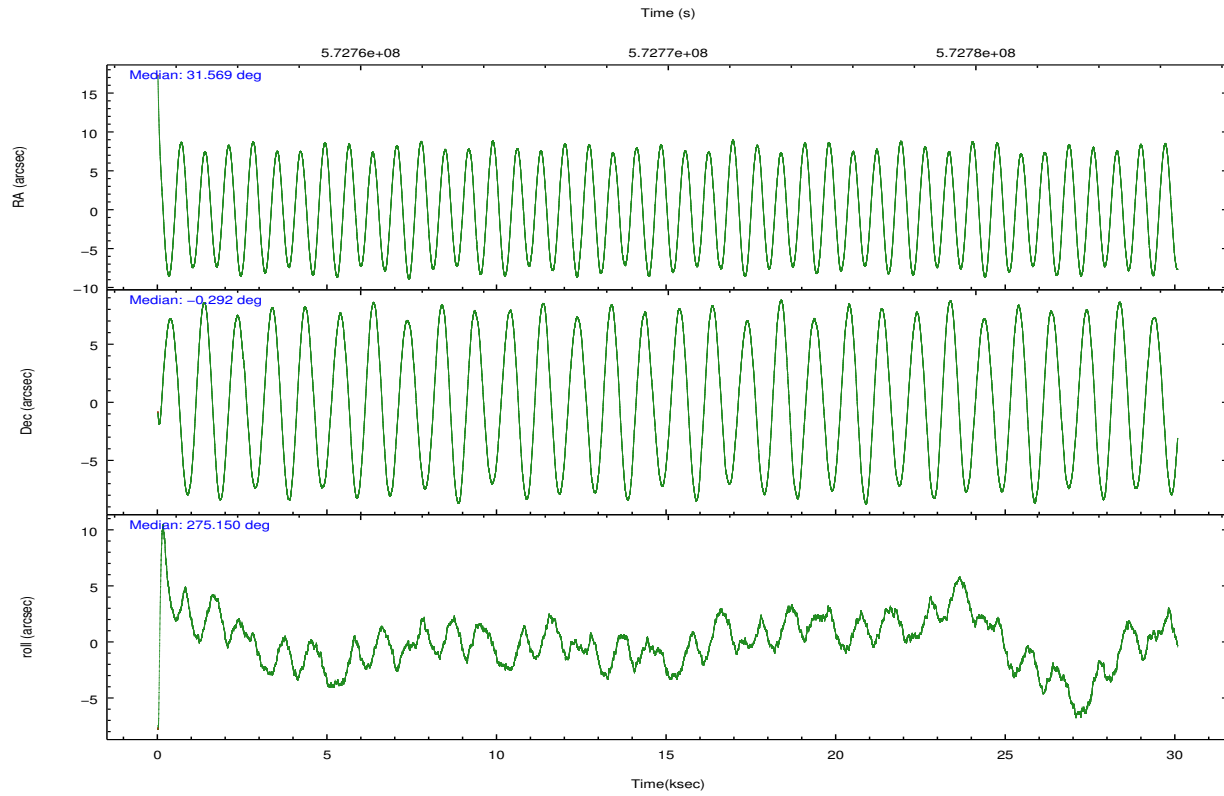
	ccd 7
grade 0 events	2923
	7%
grade 1 events	58
	0%
grade 2 events	4337
	11%
grade 3 events	2622
	6%
grade 4 events	2538
	6%
grade 5 events	3525
	9%
grade 6 events	8455
	22%
grade 7 events	13428
	35%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	31.553219	31.56931795783037	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-0.269765	-0.2919884853455834	Subarray start row	449	449
[deg] Pointing Roll	274.999938	275.1566330365796	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)	572755119.184000	572753615.76027			
Observation start date	2016-02-25T02:37:31	2016-02-25T02:13:35			
[s] Observation end time (MET)	572785028.184000	572785251.87457			
Observation end date	2016-02-25T10:56:00	2016-02-25T11:00:51			
Read mode	TIMED	TIMED			

2.3 Aspect



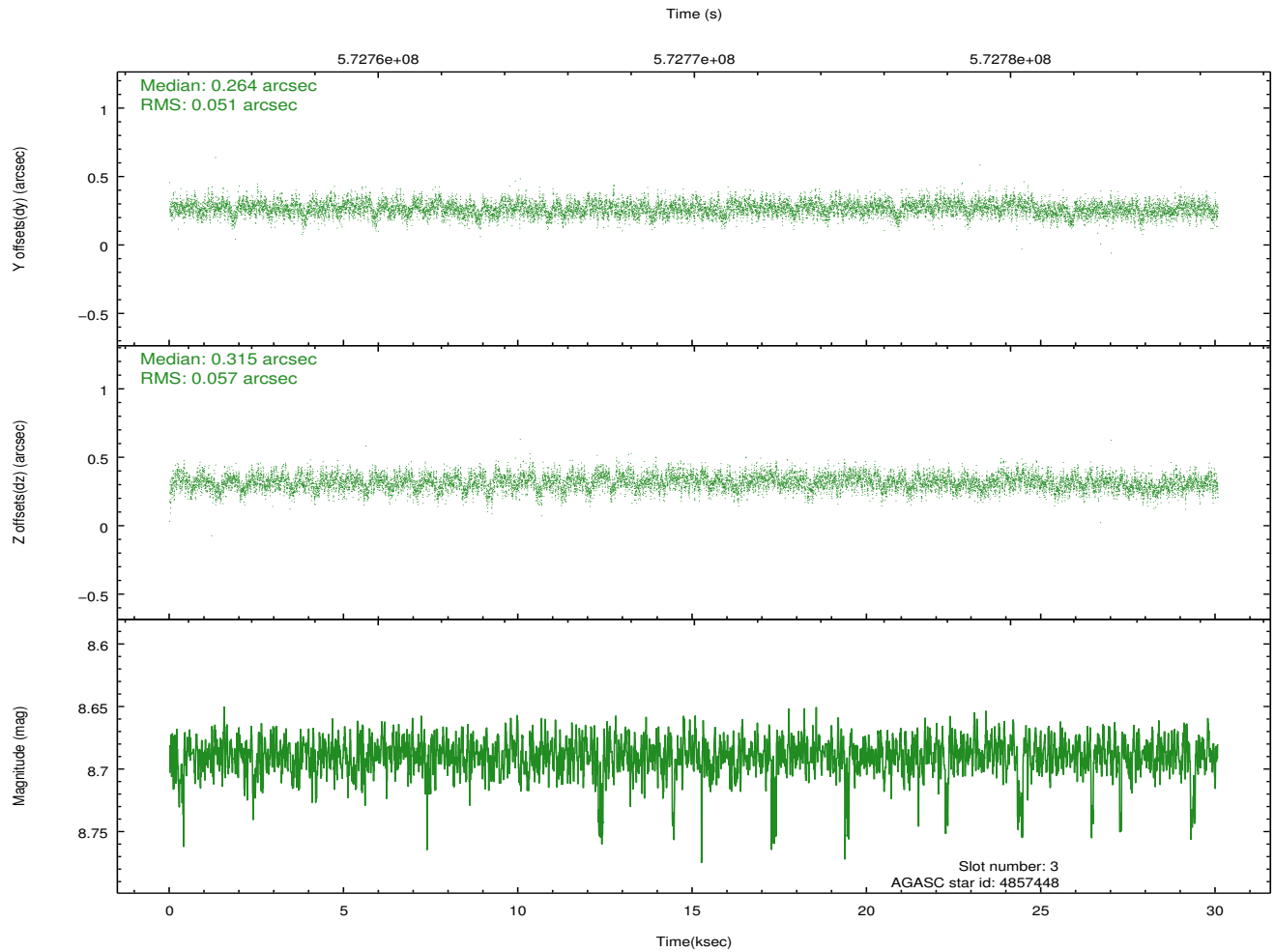
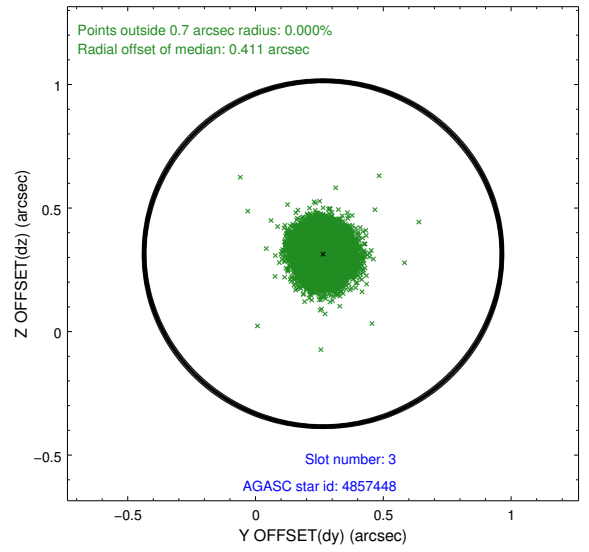
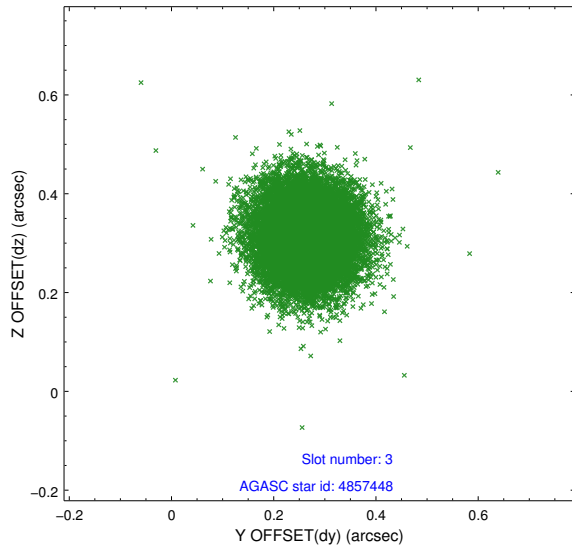


Slot Statistics

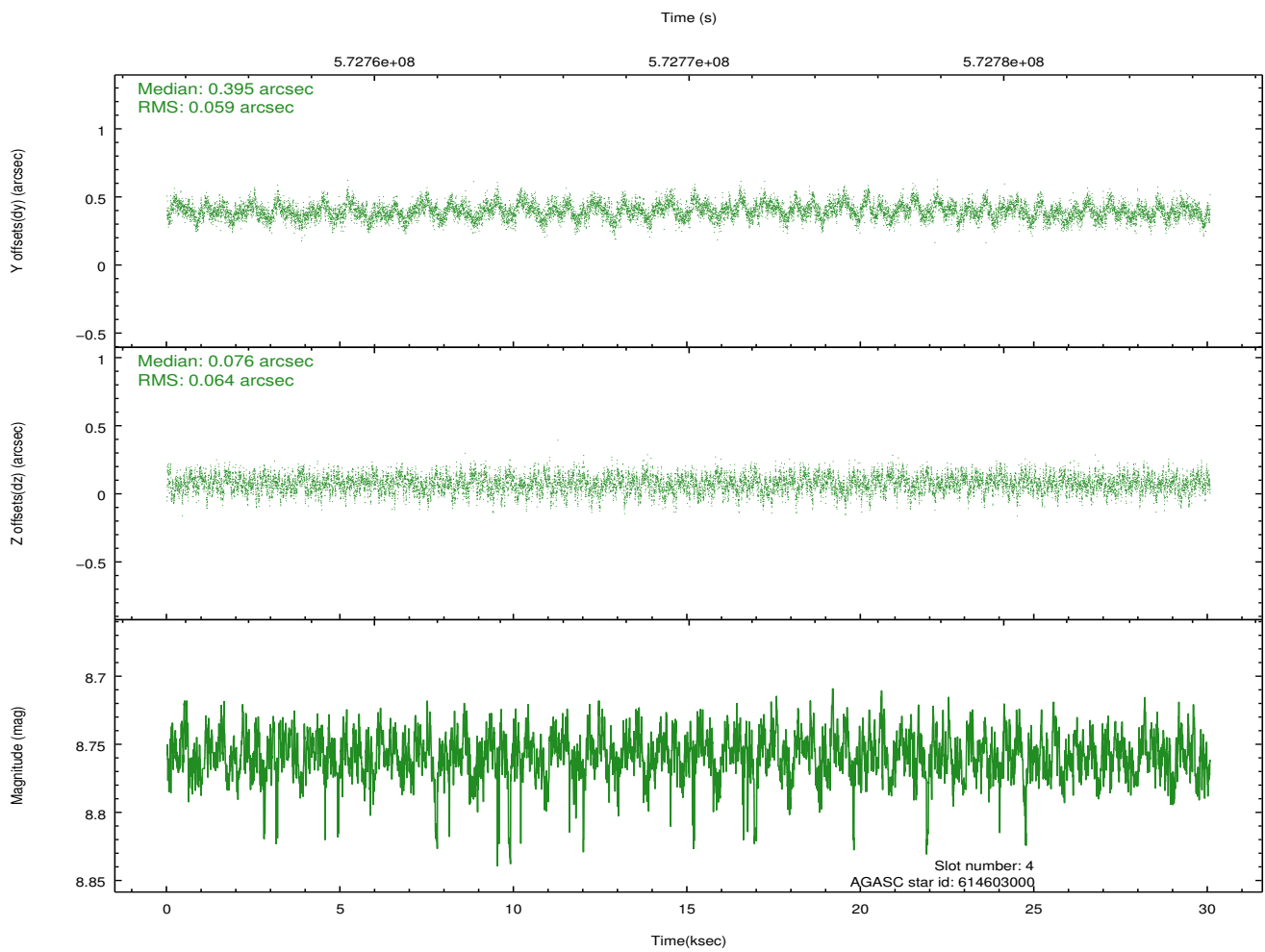
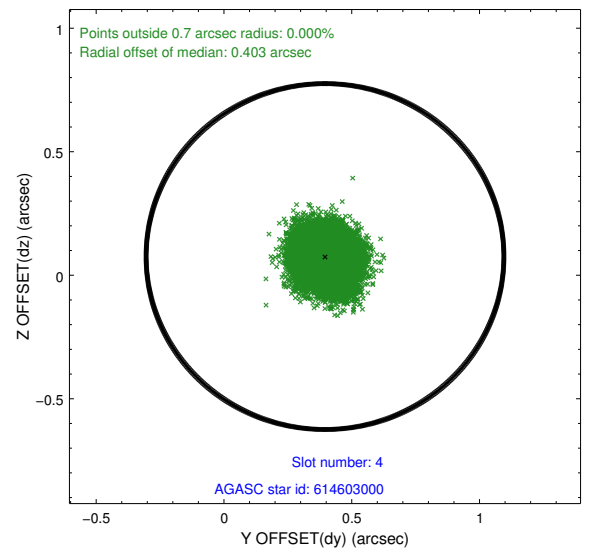
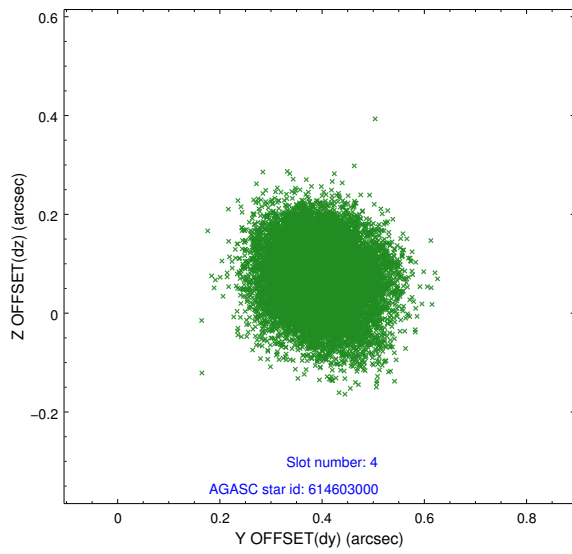
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	7332	-0.196	-0.099	0.020	0.058	0.000000	0.000000	-767.94	-1741.50
1	FID		ACIS-S-4	7.21	7334	0.447	0.123	0.012	0.021	0.000000	0.000000	2145.94	167.14
2	FID		ACIS-S-5	7.23	7334	-0.280	-0.013	0.018	0.063	0.000000	0.000000	-1820.78	160.76
3	GUIDE	used	4857448	8.69	14657	0.264	0.315	0.080	0.131	31.329717	0.322843	-2194.67	-615.37
4	GUIDE	used	614603000	8.76	14656	0.395	0.076	0.094	0.150	31.292832	-0.000879	-1045.27	-849.37
5	GUIDE	used	614603456	8.84	14663	-0.005	0.178	0.098	0.156	30.926579	-0.024024	-1077.40	-2169.92
6	GUIDE	used	614605504	7.26	14666	-0.428	-0.246	0.099	0.156	32.113697	-0.419301	711.64	1963.25
7	GUIDE	used	614606448	6.97	14666	-0.231	-0.325	0.110	0.165	31.892805	-0.617418	1358.66	1104.38

2.4 Star Slots

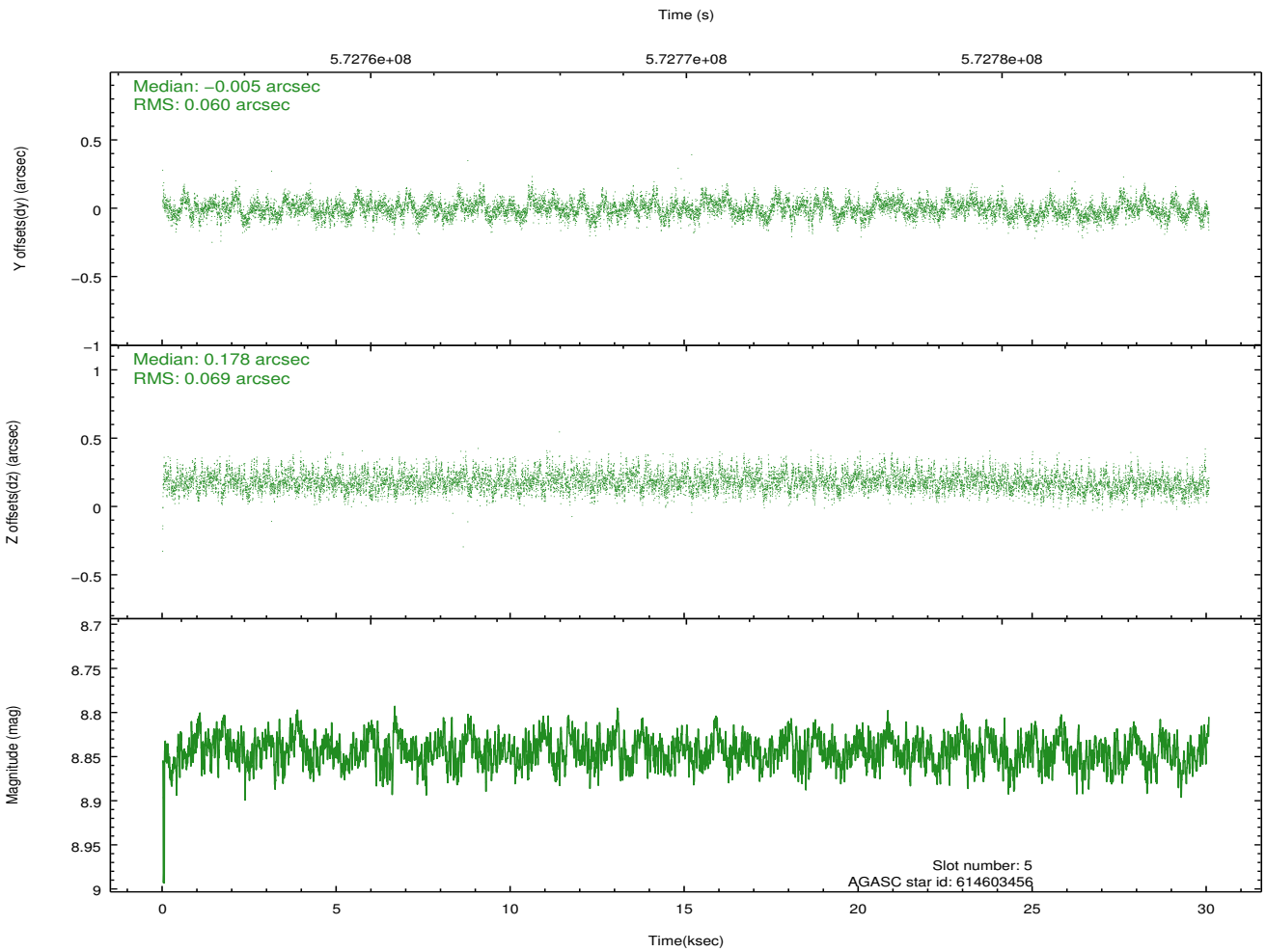
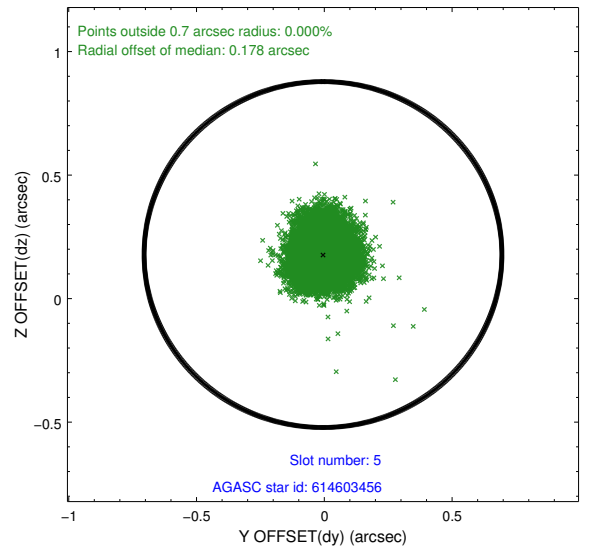
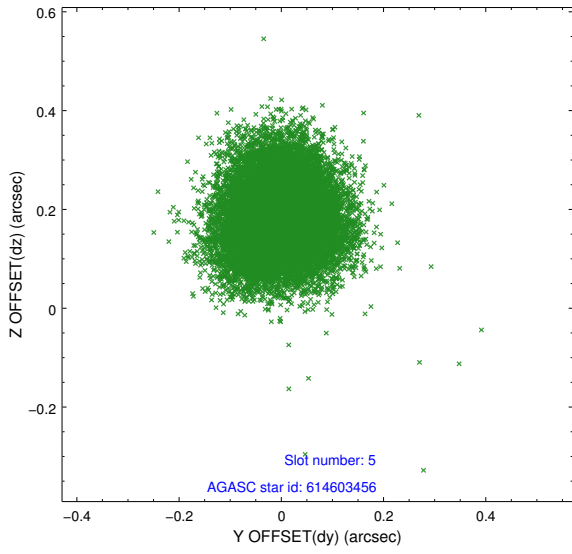
2.4.1 Slot 3



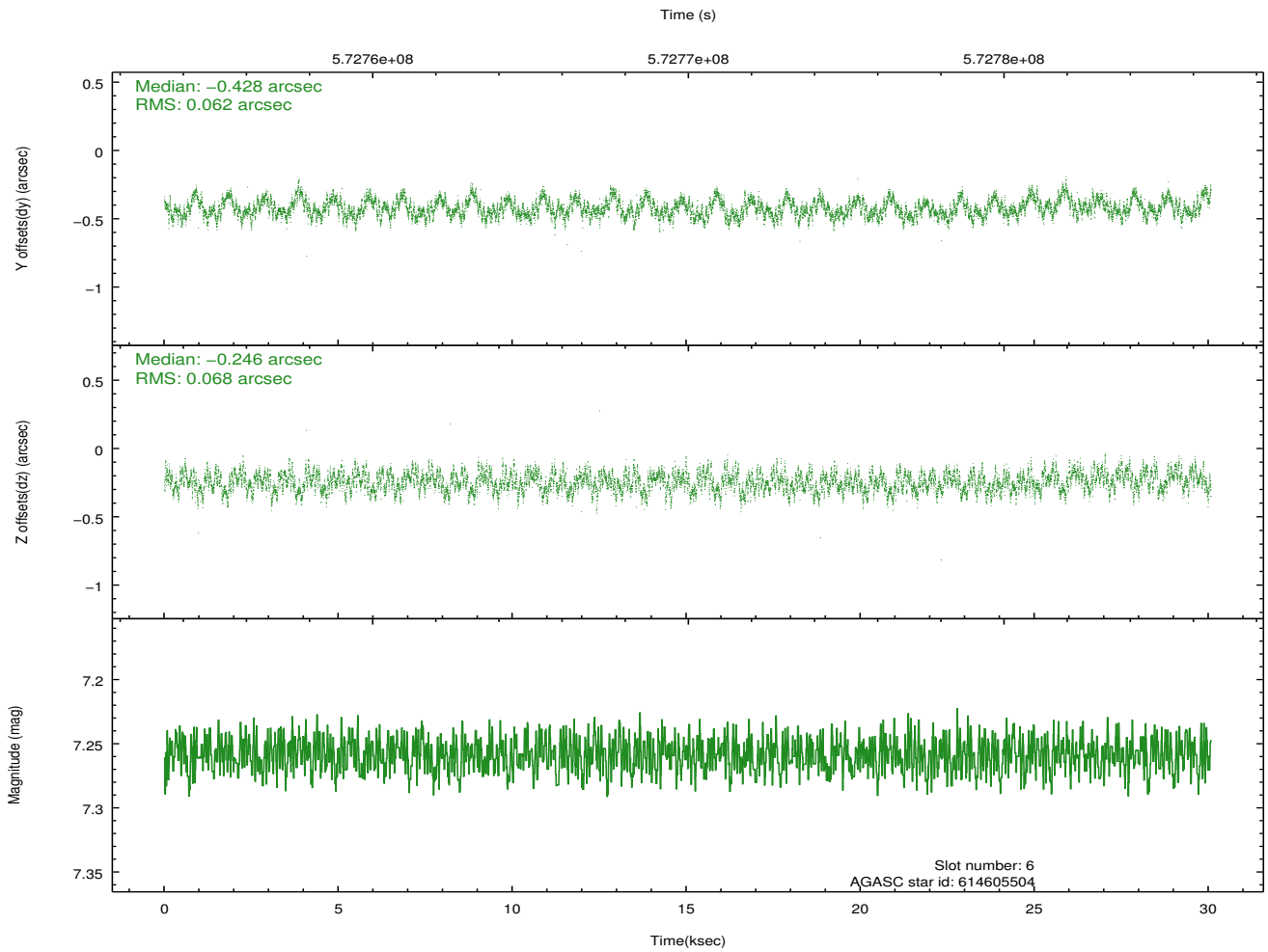
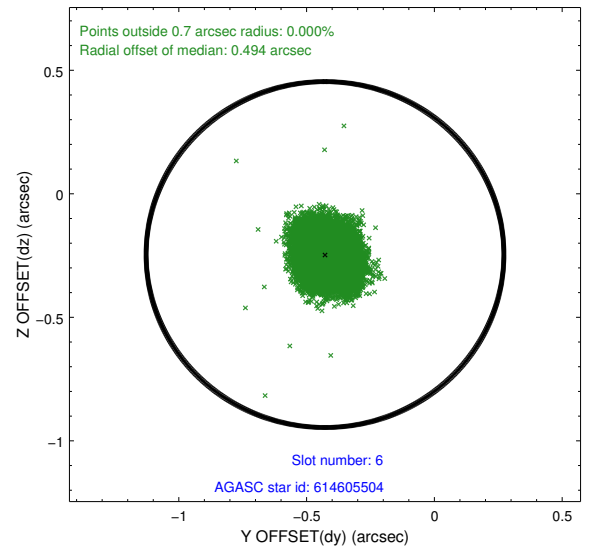
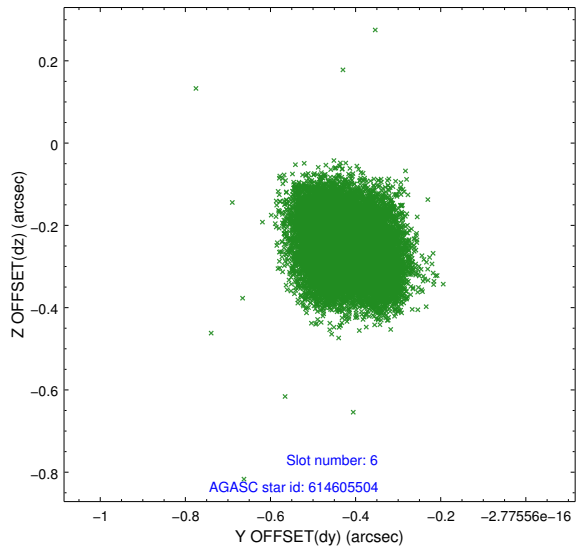
2.4.2 Slot 4



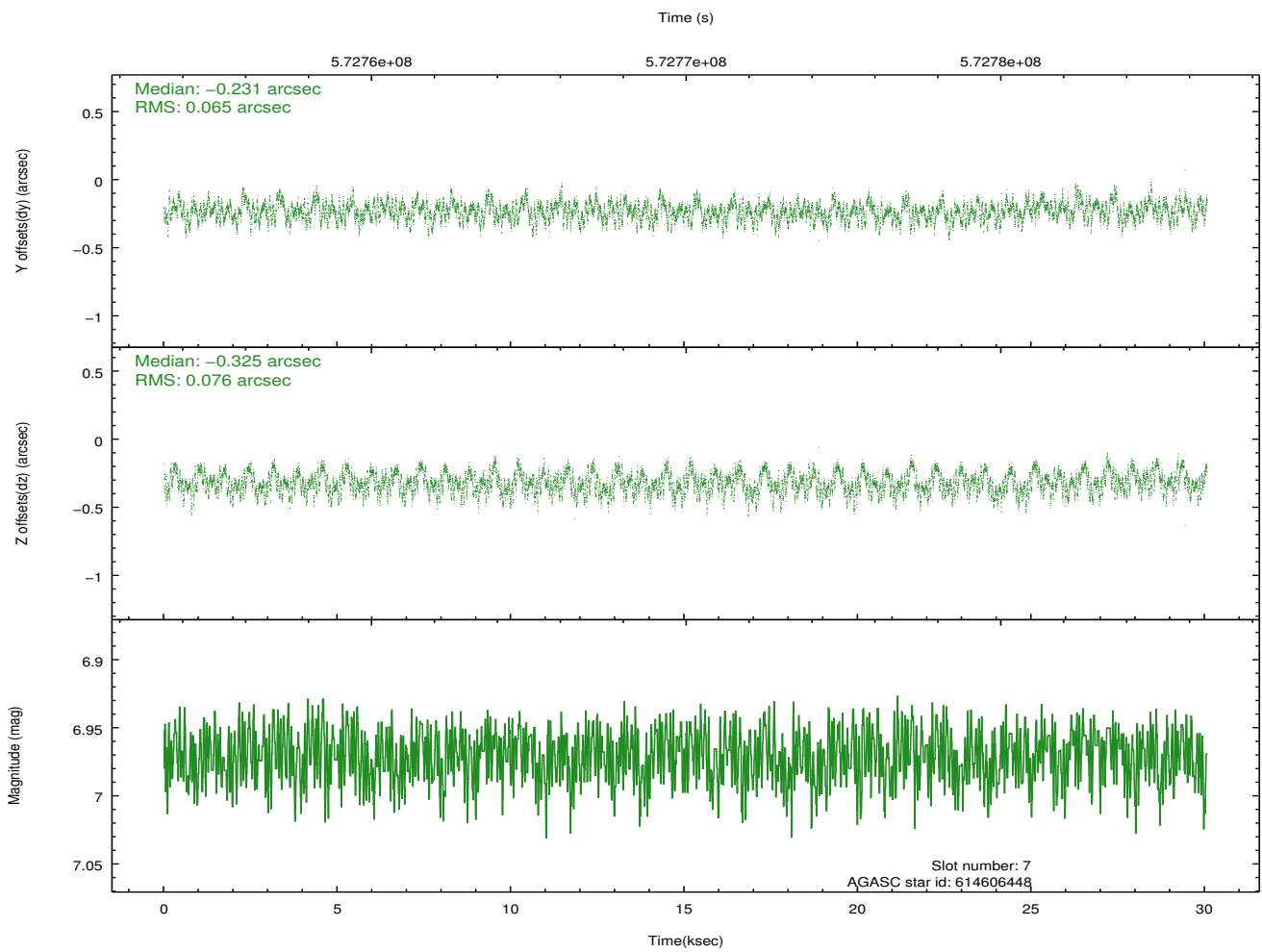
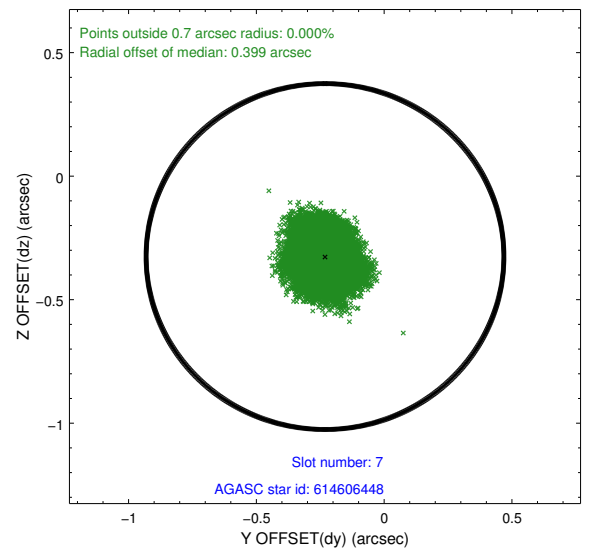
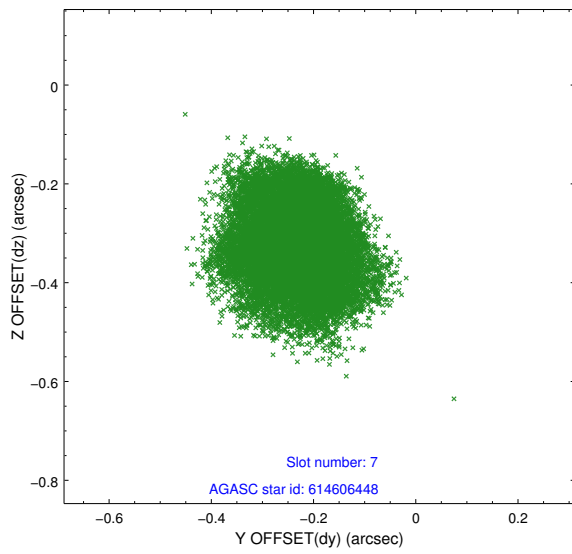
2.4.3 Slot 5



2.4.4 Slot 6

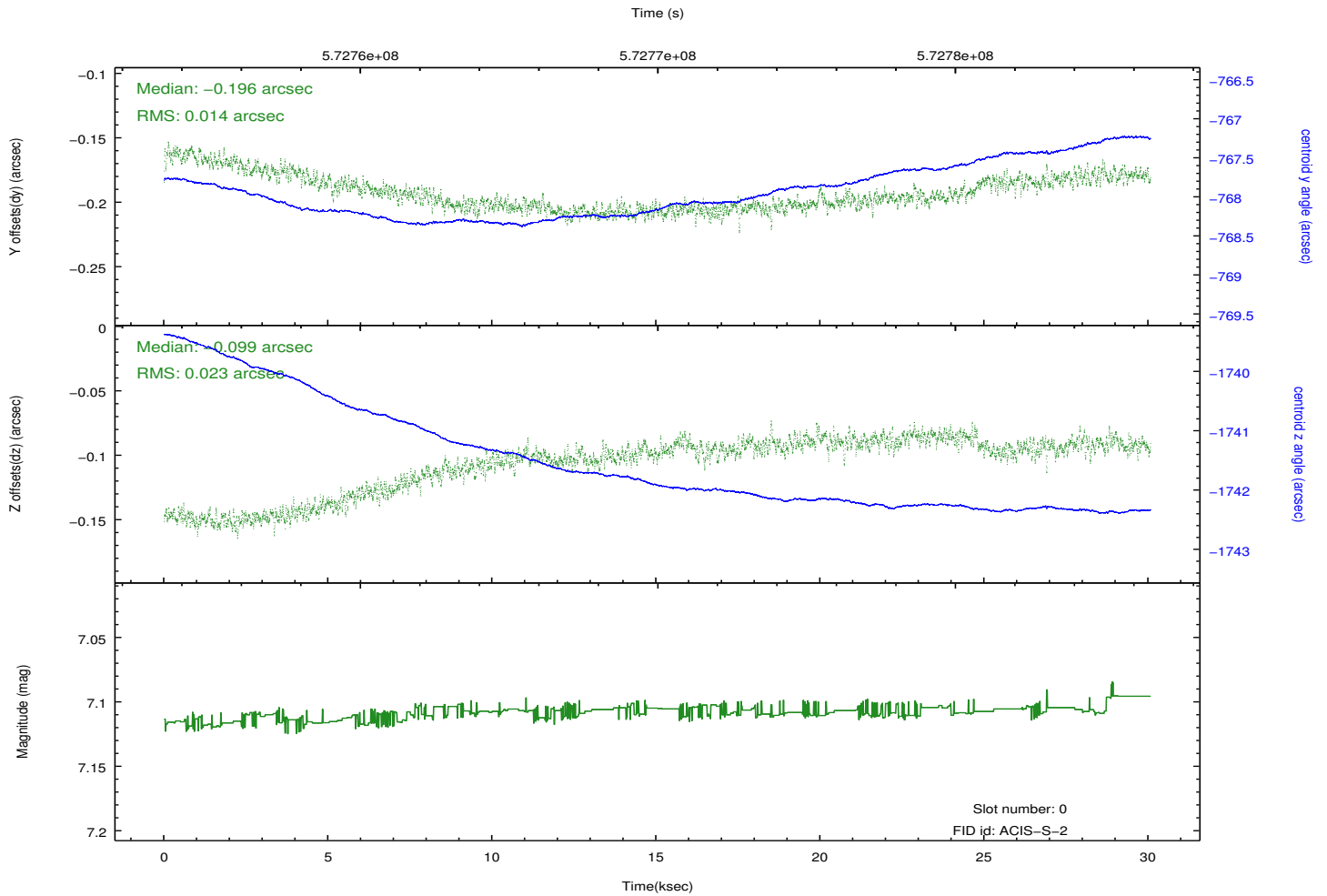
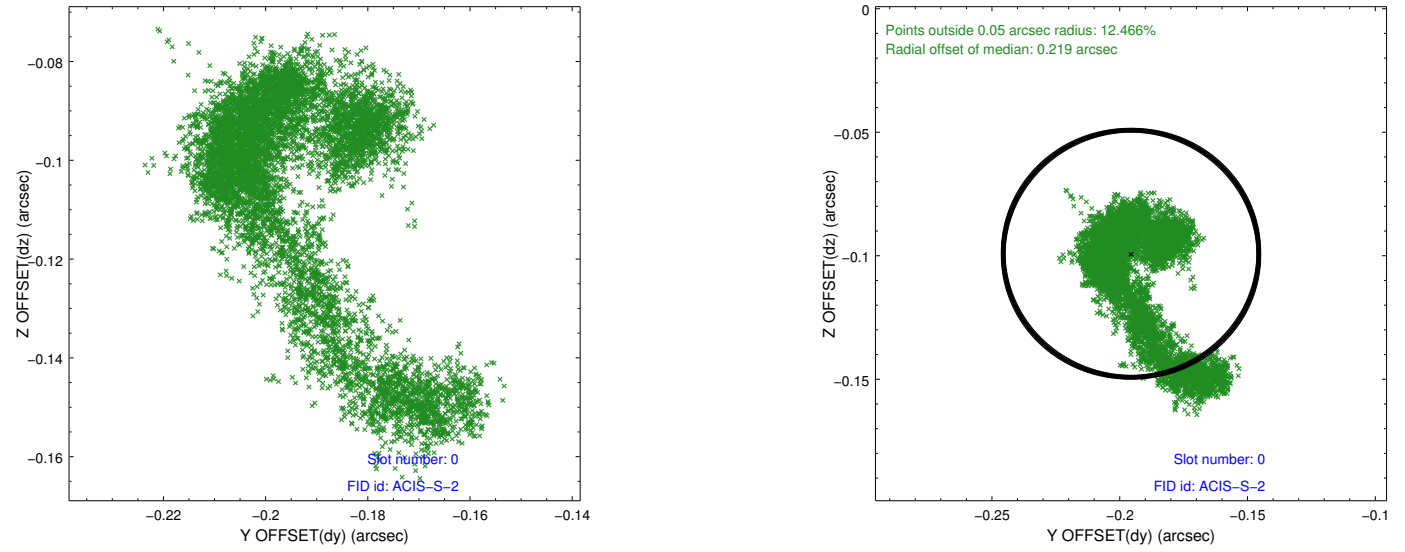


2.4.5 Slot 7

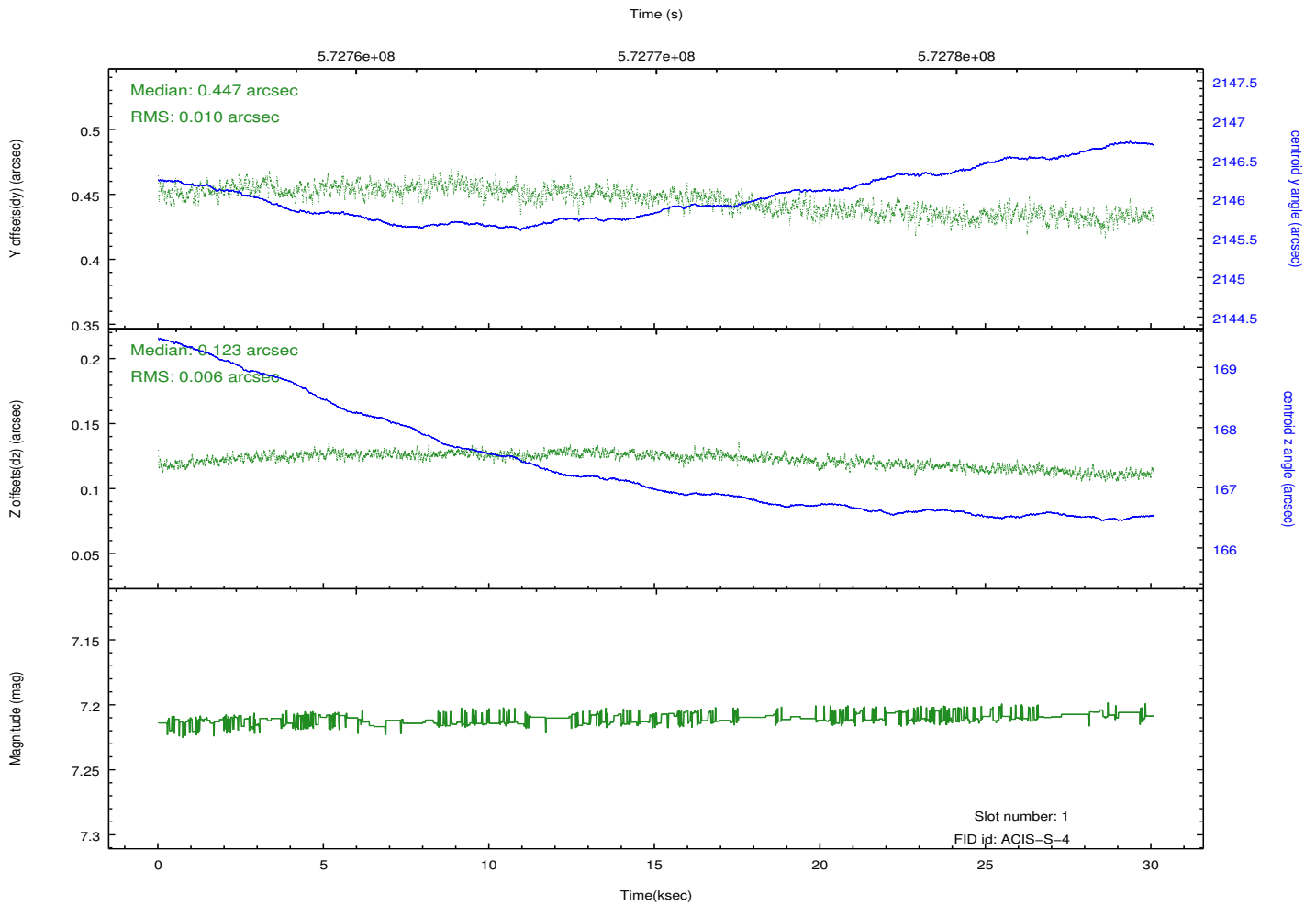
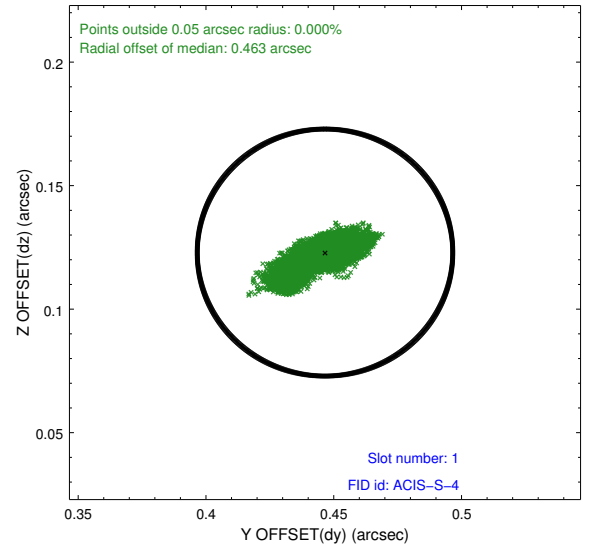
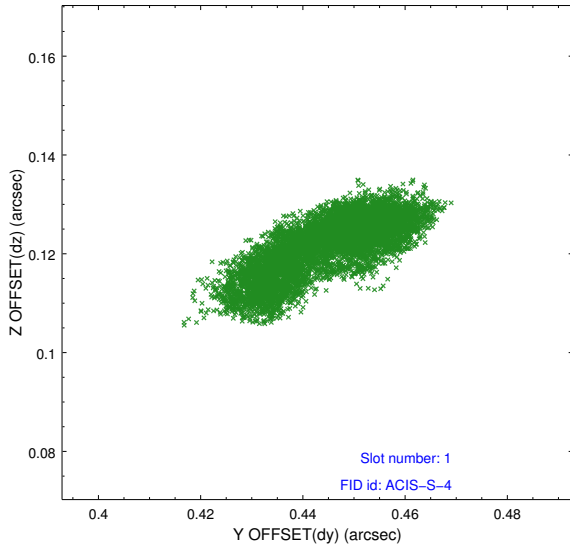


2.5 FID Slots

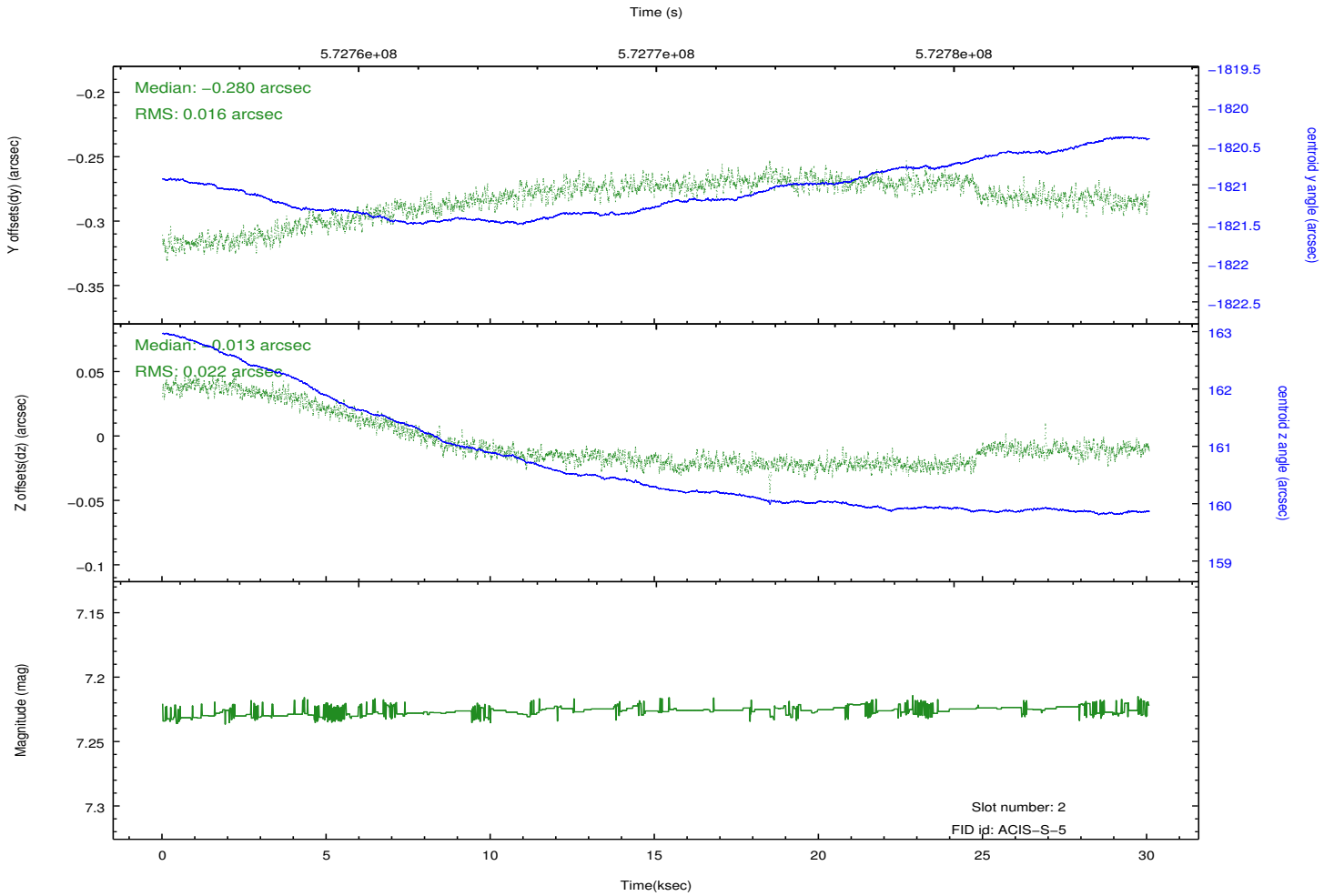
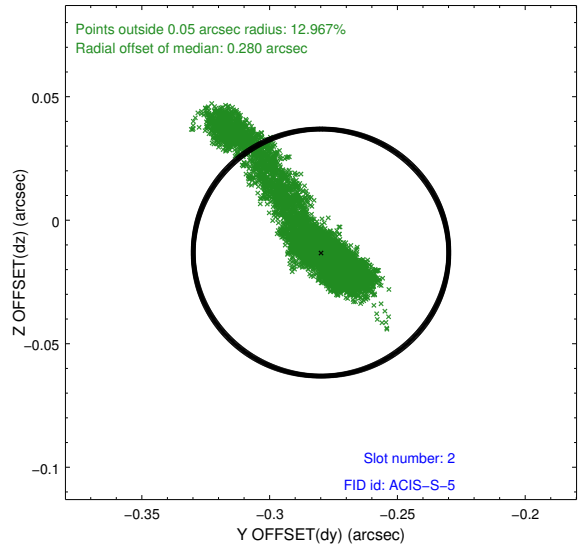
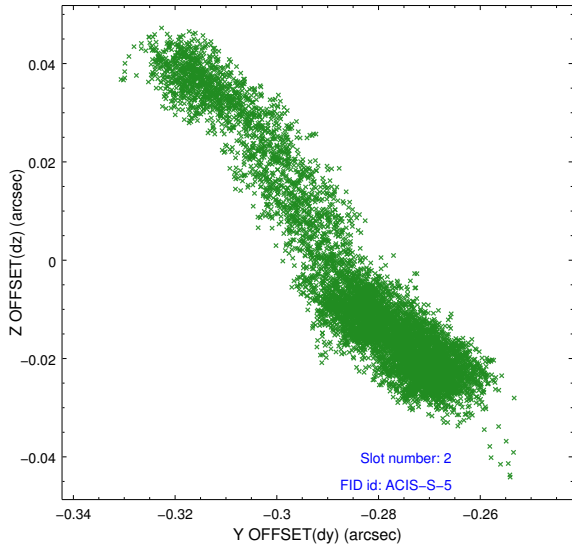
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.978798213005

A.2 Comments