

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 17785 - L2 Version 1
Chandra X-Ray Center

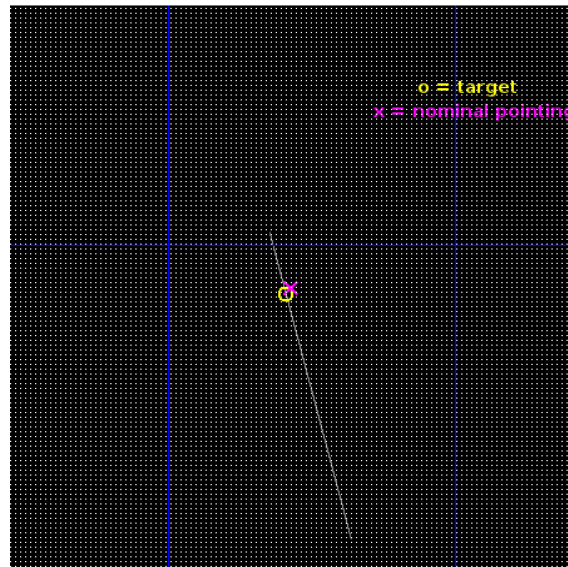
L2 Processing Date : Oct 22 2016

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1 Front

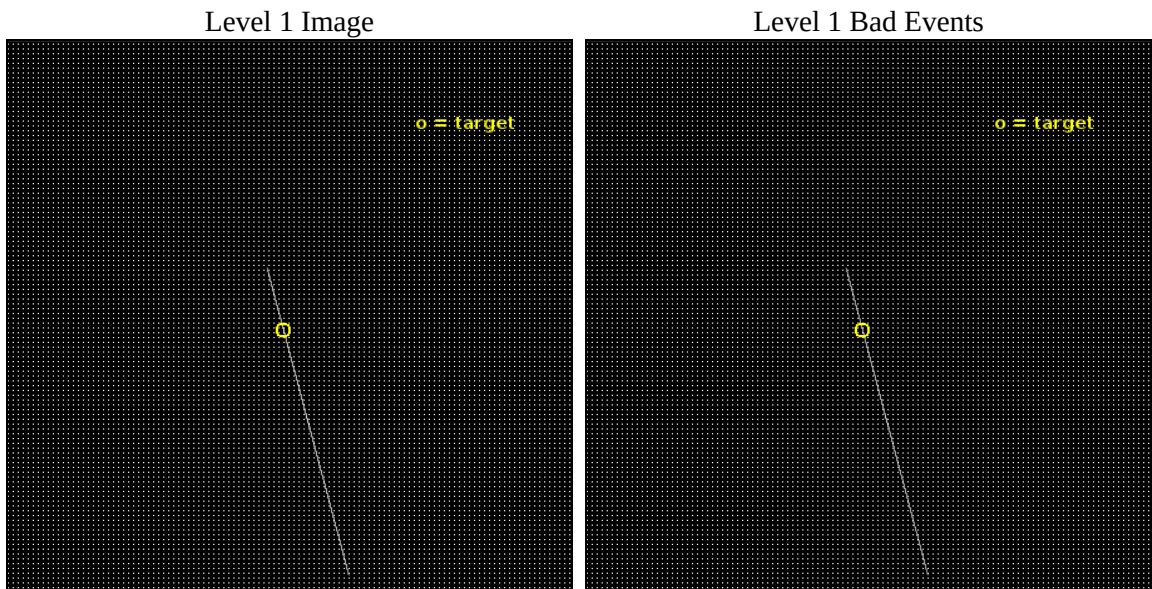
seq_num	401717	Sequence number
obs_id	17785	Observation id
title	Joint Chandra/VLA Observations of PSR J1023+0038: A Unique Testbed for Accretion and Jet Formation Physics	Proposal title
observer	Slavko Bogdanov	Principal investigator
object	PSR J1023+0038	Source name
ra_targ	155.94875	Observer's specified target RA [deg]
dec_targ	0.644667	Observer's specified target Dec [deg]
ra_nom	155.94620802902	Nominal RA [deg]
dec_nom	0.64746081878362	Nominal Dec [deg]
roll_nom	75.642638707642	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20182.5	Sum of GTIs [s]
livetime	20103.662109375	Livetime [s]
ontime7	20182.5	Sum of GTIs [s]
l2events	89843	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	20182.5	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	20182.5	Sum of GTIs [s]
date	2016-10-22T05:37:12	Date and time of file creation	l1events	278937	Number of level 1 events
revision	1	Processing version of data			

2.1.3 Events

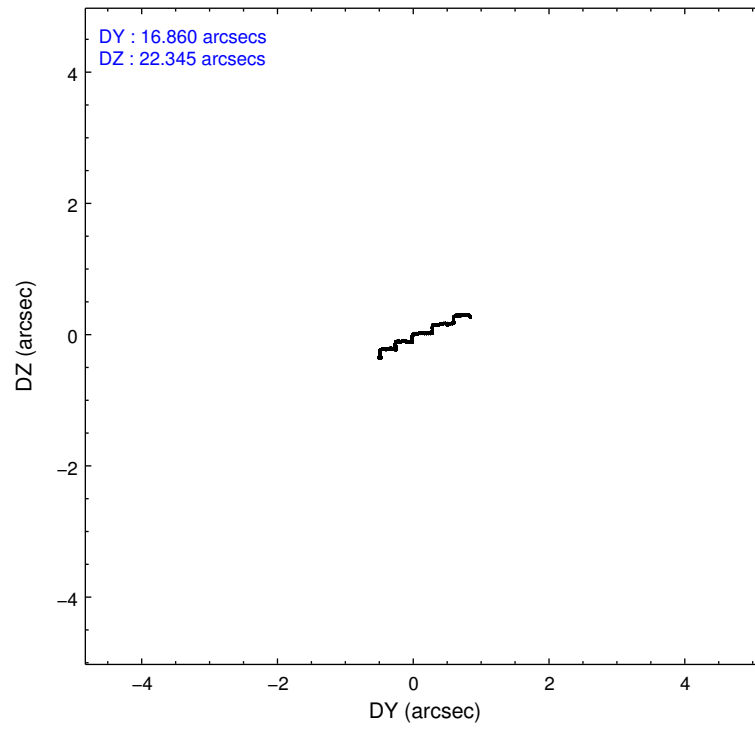
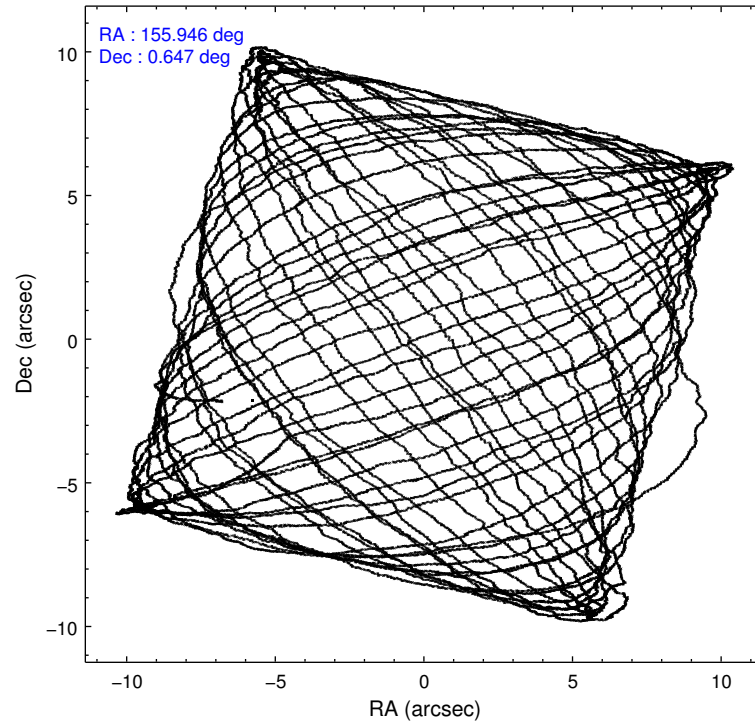
	ccd 7
level 1 events	278937
rejected events	185806
rejected %	66%

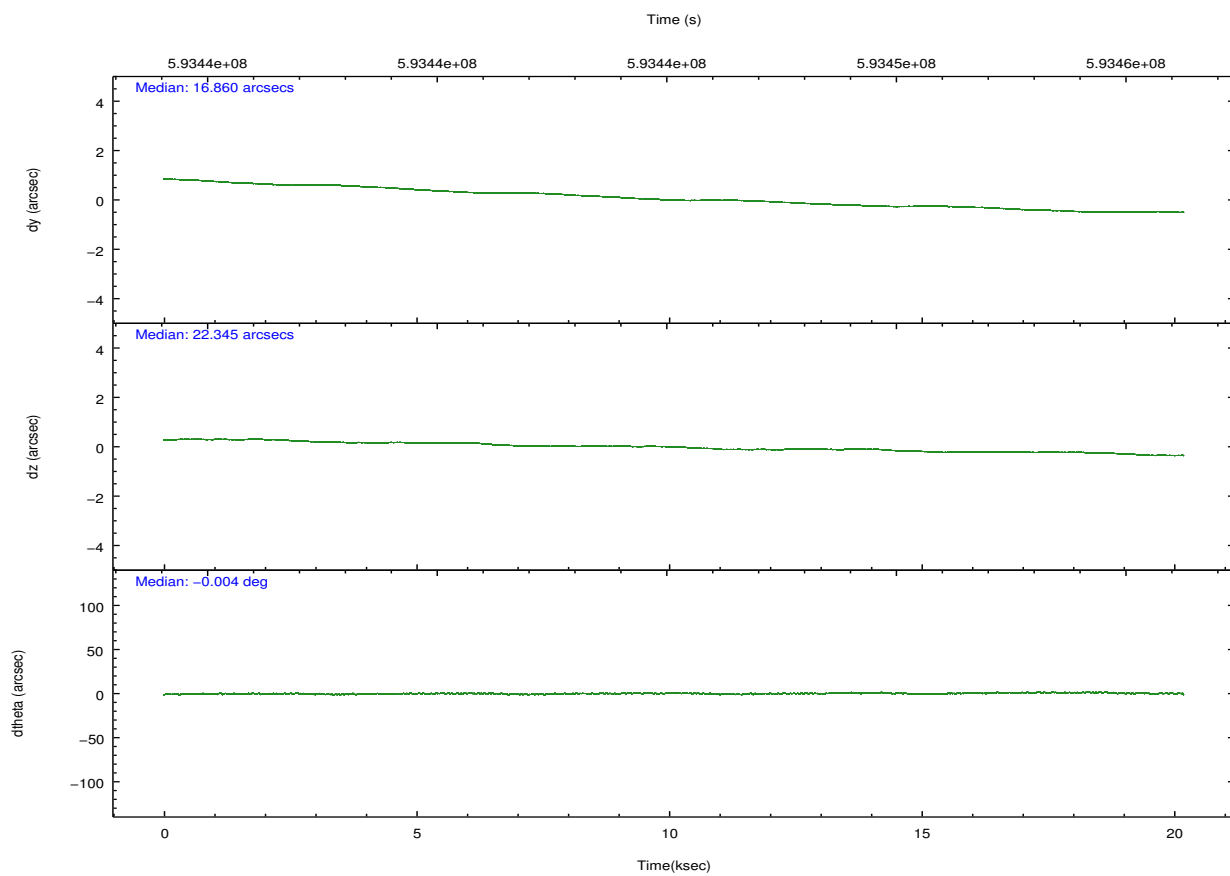
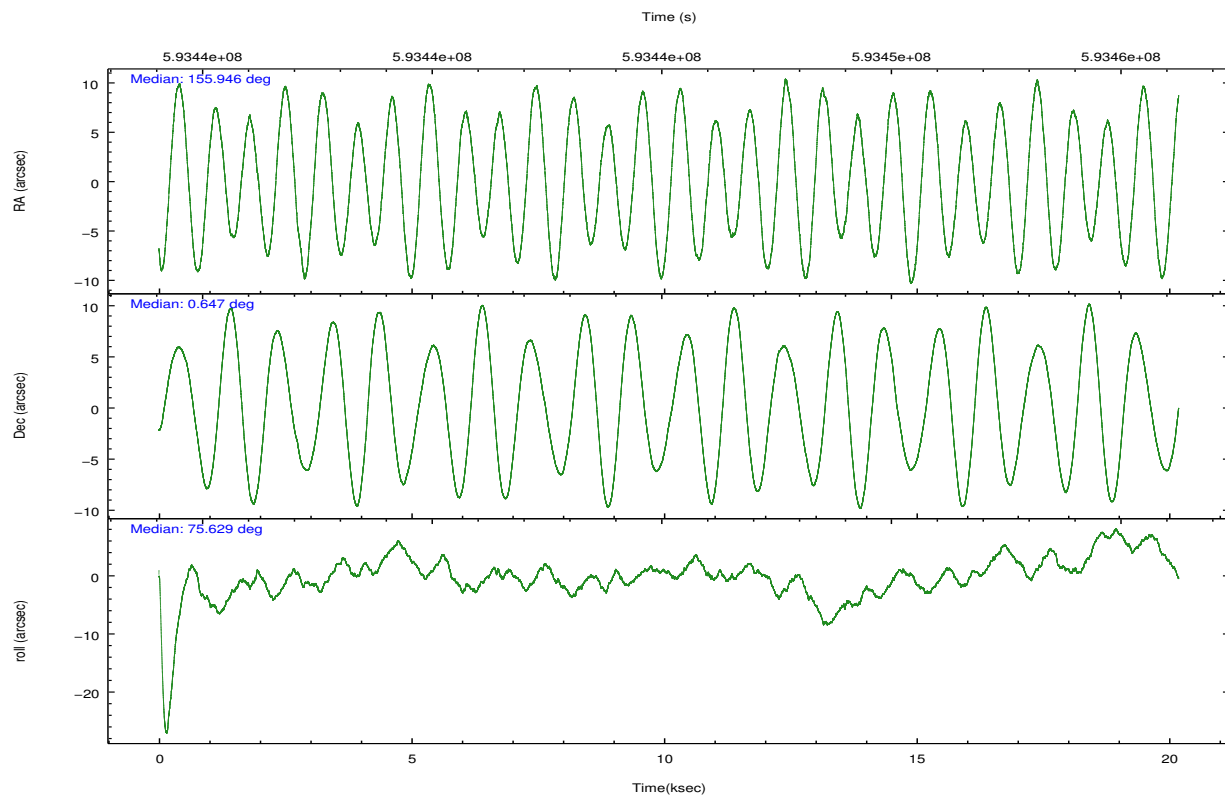
	ccd 7
grade 0 events	7759
	2%
grade 1 events	168
	0%
grade 2 events	26638
	9%
grade 3 events	3999
	1%
grade 4 events	3911
	1%
grade 5 events	13115
	4%
grade 6 events	51022
	18%
grade 7 events	172325
	61%

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	CC33_GRADED	CC33_GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	155.953965	155.9462080290155	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.621136	0.6474608187836238	Alternating exposures requested	N	N
[deg] Pointing Roll	75.485906	75.64263870764194	[s] Primary exposure time	0.000000	0
[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)	593435247.184000	593433756.01885			
Observation start date	2016-10-21T11:06:19	2016-10-21T10:42:36			
[s] Observation end time (MET)	593455247.184000	593456392.12015			
Observation end date	2016-10-21T16:39:39	2016-10-21T16:59:52			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



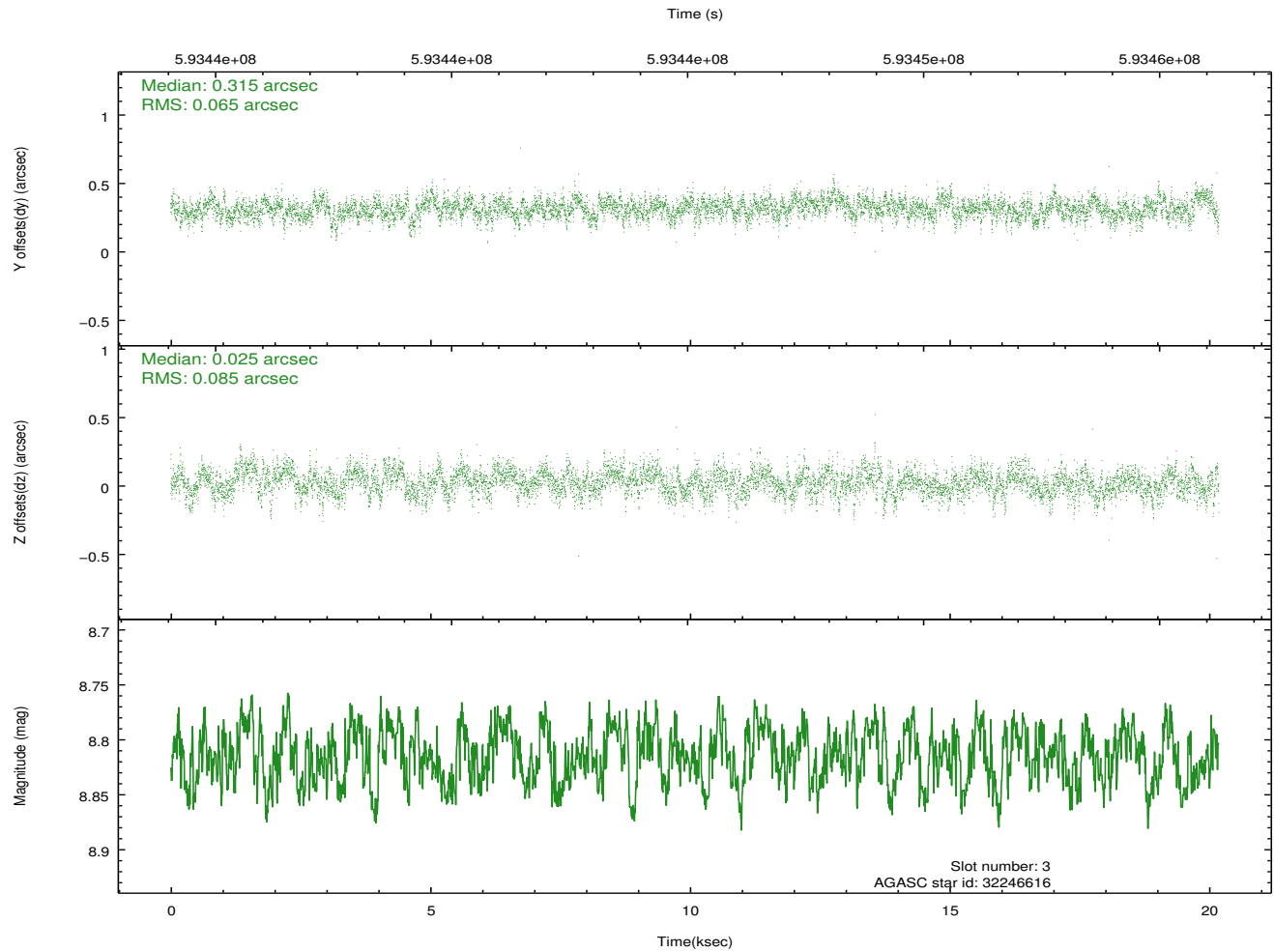
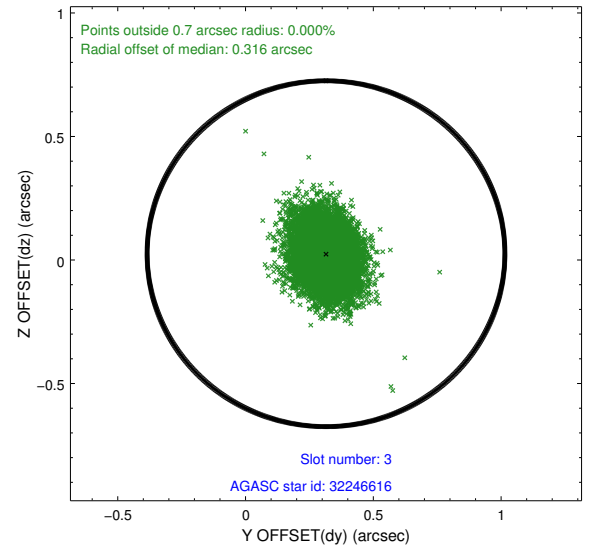
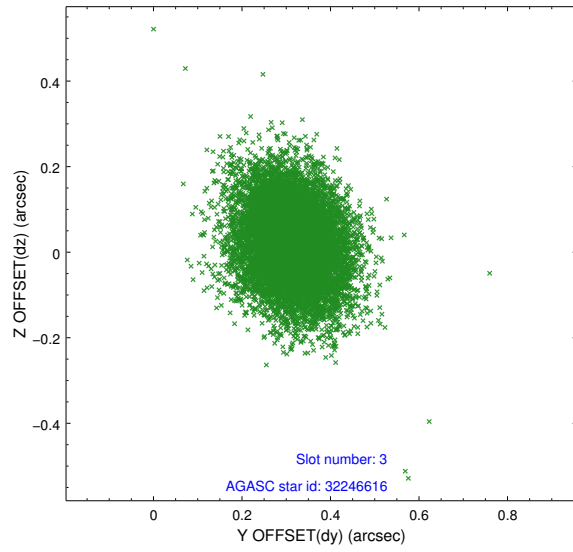


Slot Statistics

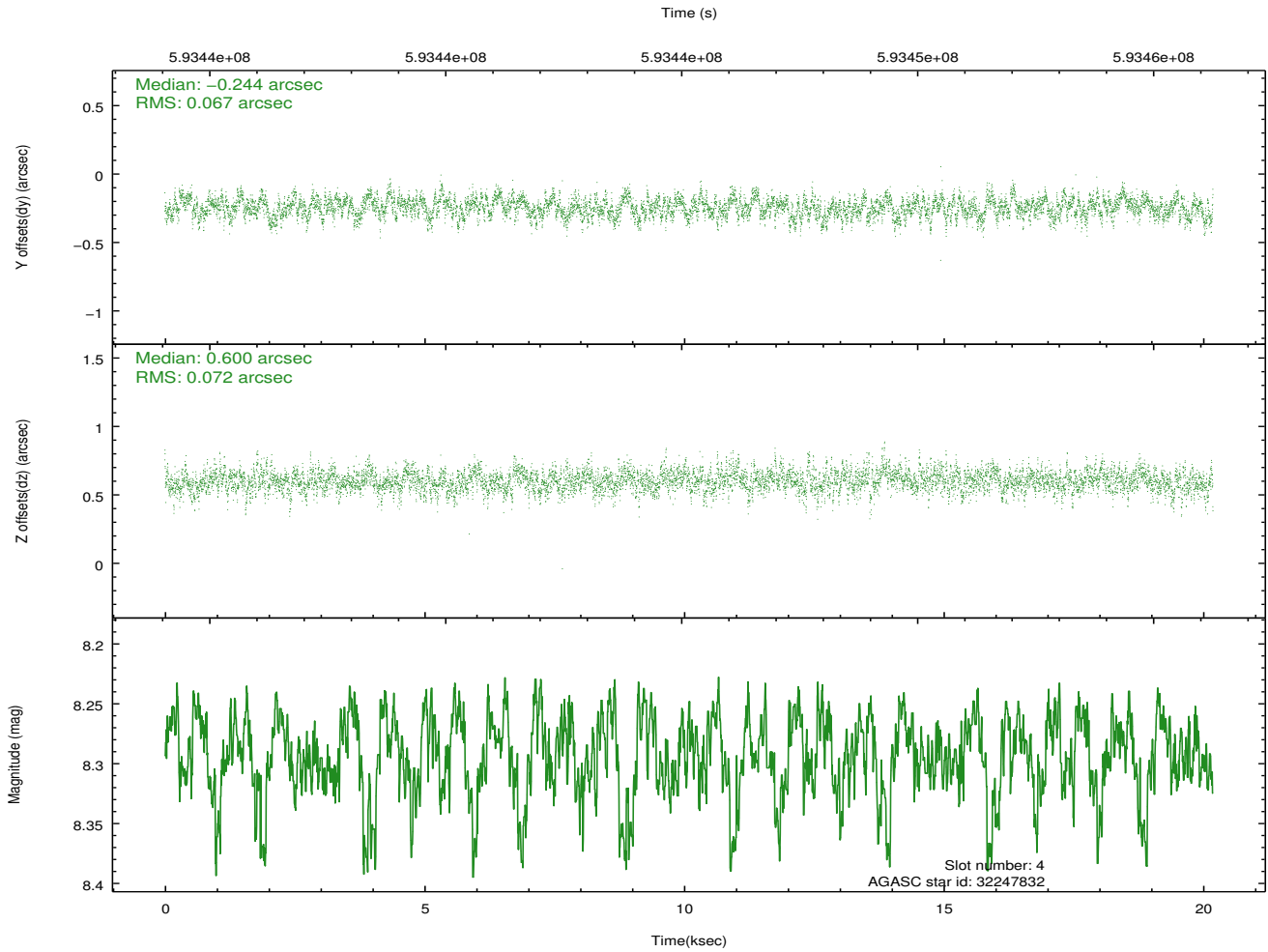
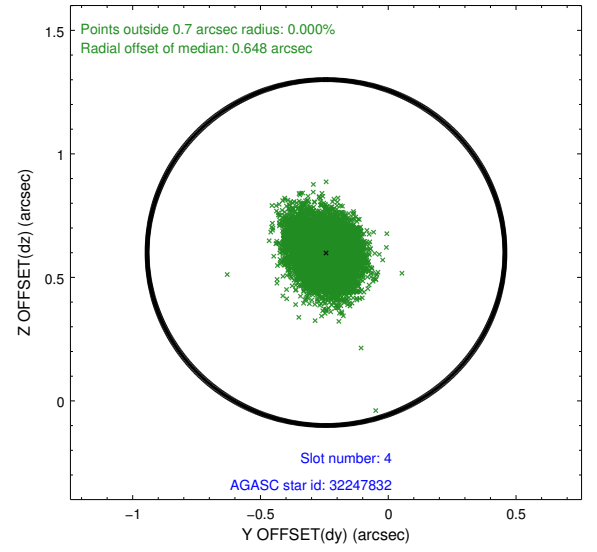
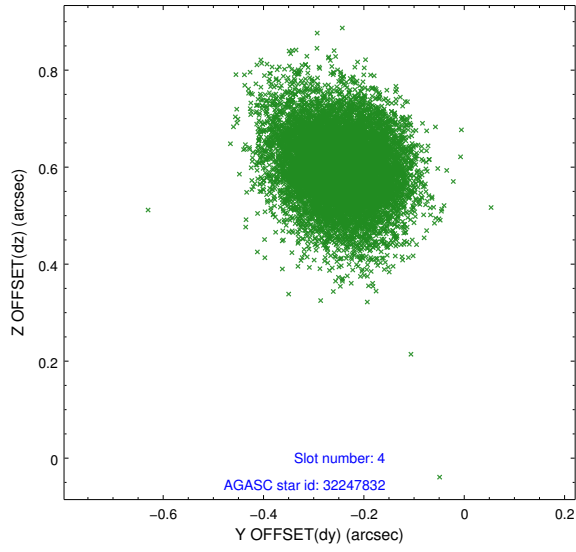
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.96	4924	-0.177	-0.116	0.013	0.024	0.000000	0.000000	-770.14	-1744.02
1	FID		ACIS-S-4	7.07	4921	0.392	0.117	0.009	0.021	0.000000	0.000000	2143.63	164.49
2	FID		ACIS-S-5	7.07	4925	-0.245	0.008	0.014	0.033	0.000000	0.000000	-1822.81	158.28
3	GUIDE	used	32246616	8.81	9839	0.315	0.025	0.112	0.187	155.618379	0.558690	-520.22	1113.01
4	GUIDE	used	32247832	8.29	9849	-0.244	0.600	0.103	0.171	156.395431	1.082846	2007.87	-1120.62
5	GUIDE	used	32249688	8.60	9843	-0.085	-0.373	0.107	0.176	155.687548	1.151482	1607.63	1406.95
6	GUIDE	used	32251936	8.71	9837	-0.052	-0.490	0.127	0.209	155.523543	1.161169	1494.16	1987.40
7	GUIDE	used	32253064	9.58	9828	0.065	0.238	0.172	0.295	156.708276	0.875867	1569.54	-2396.61

2.4 Star Slots

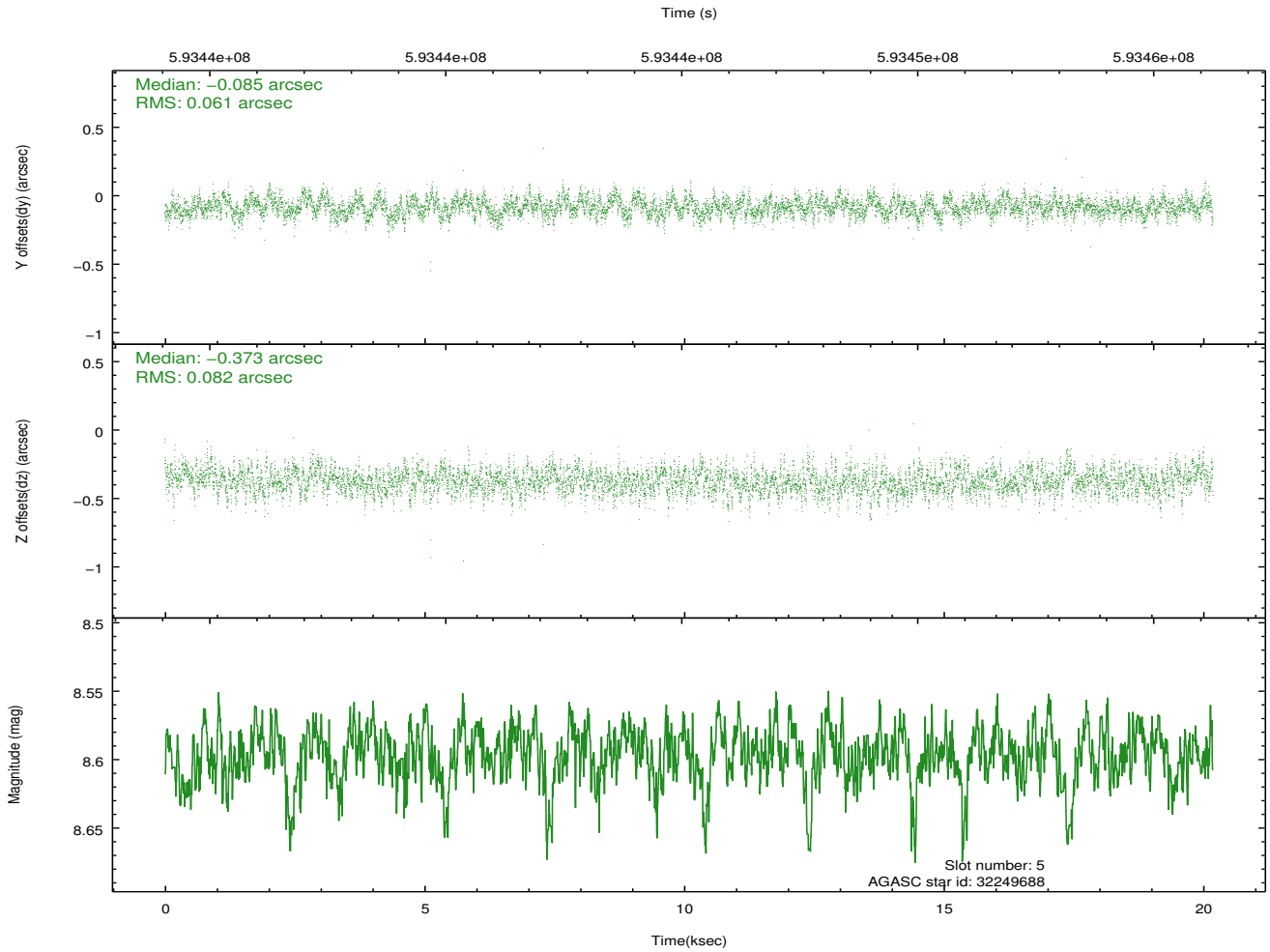
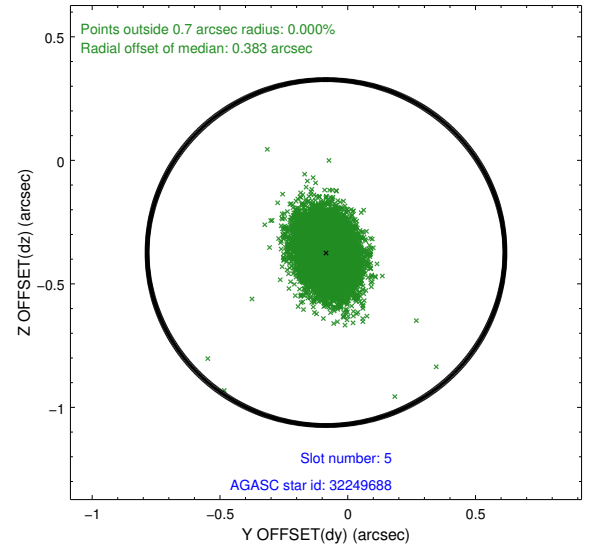
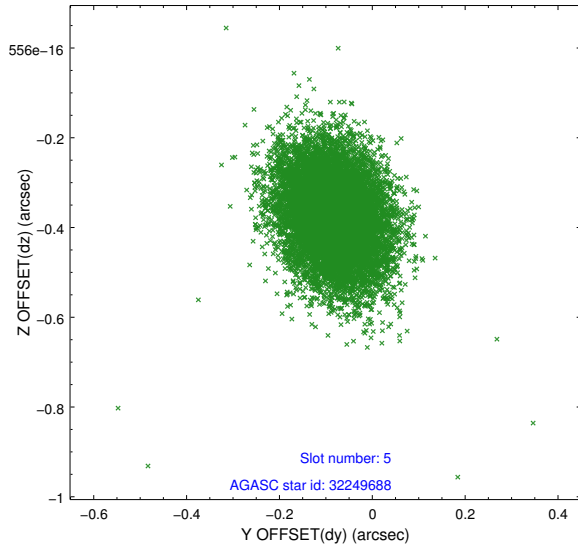
2.4.1 Slot 3



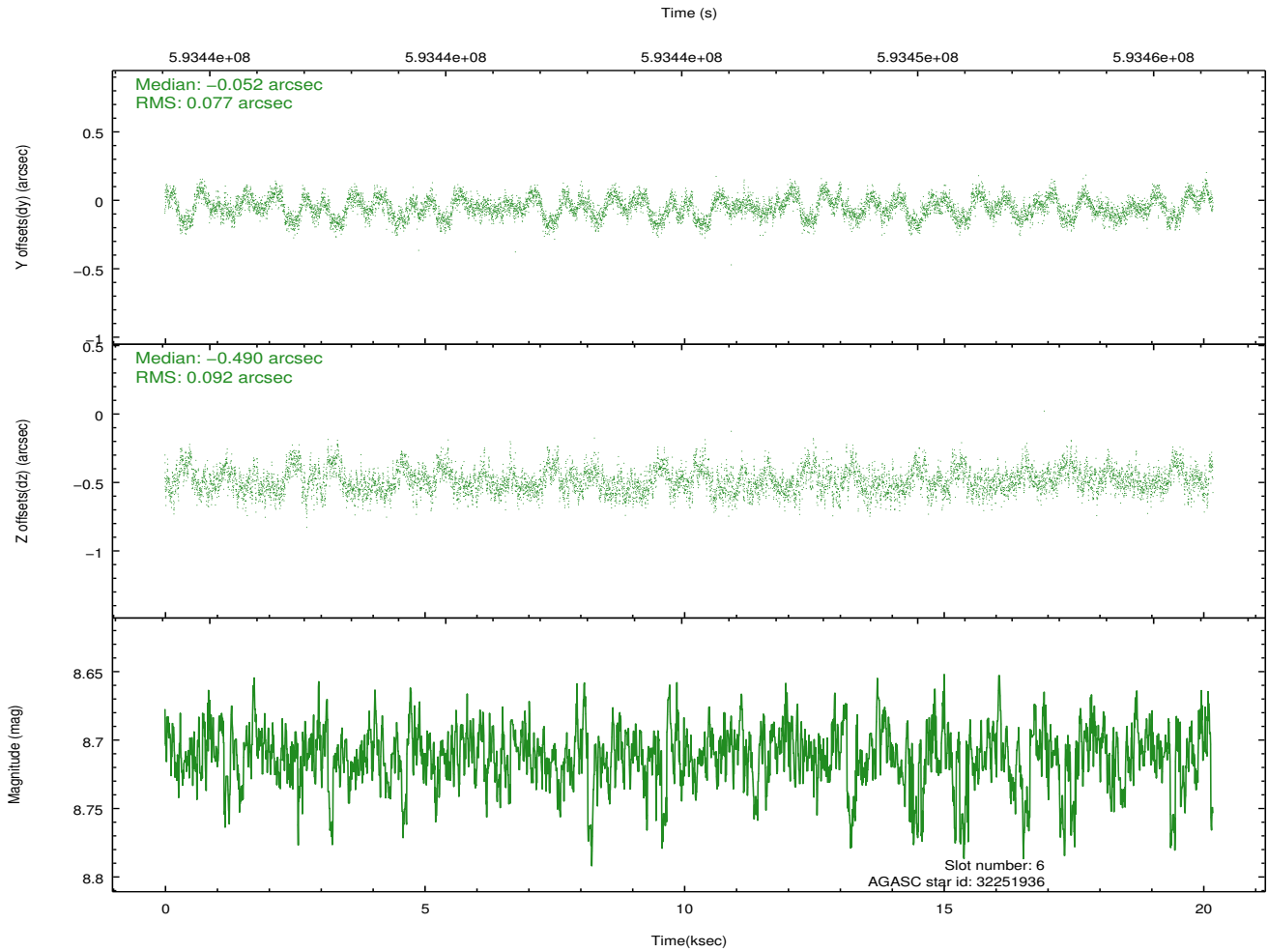
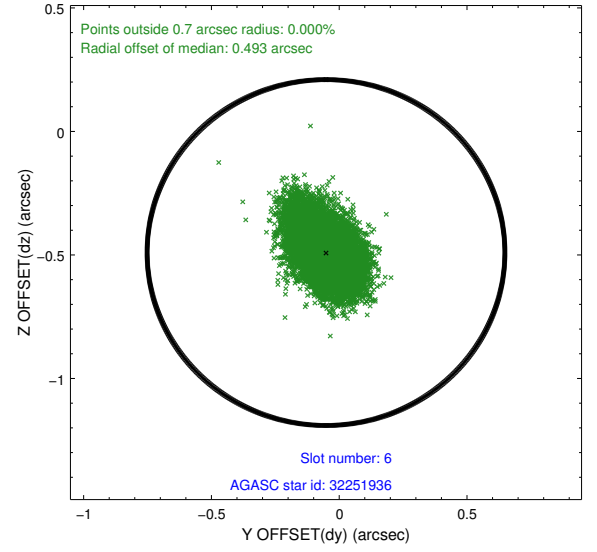
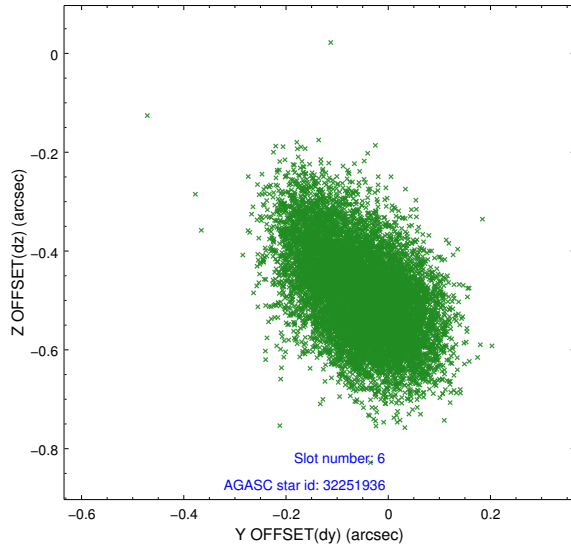
2.4.2 Slot 4



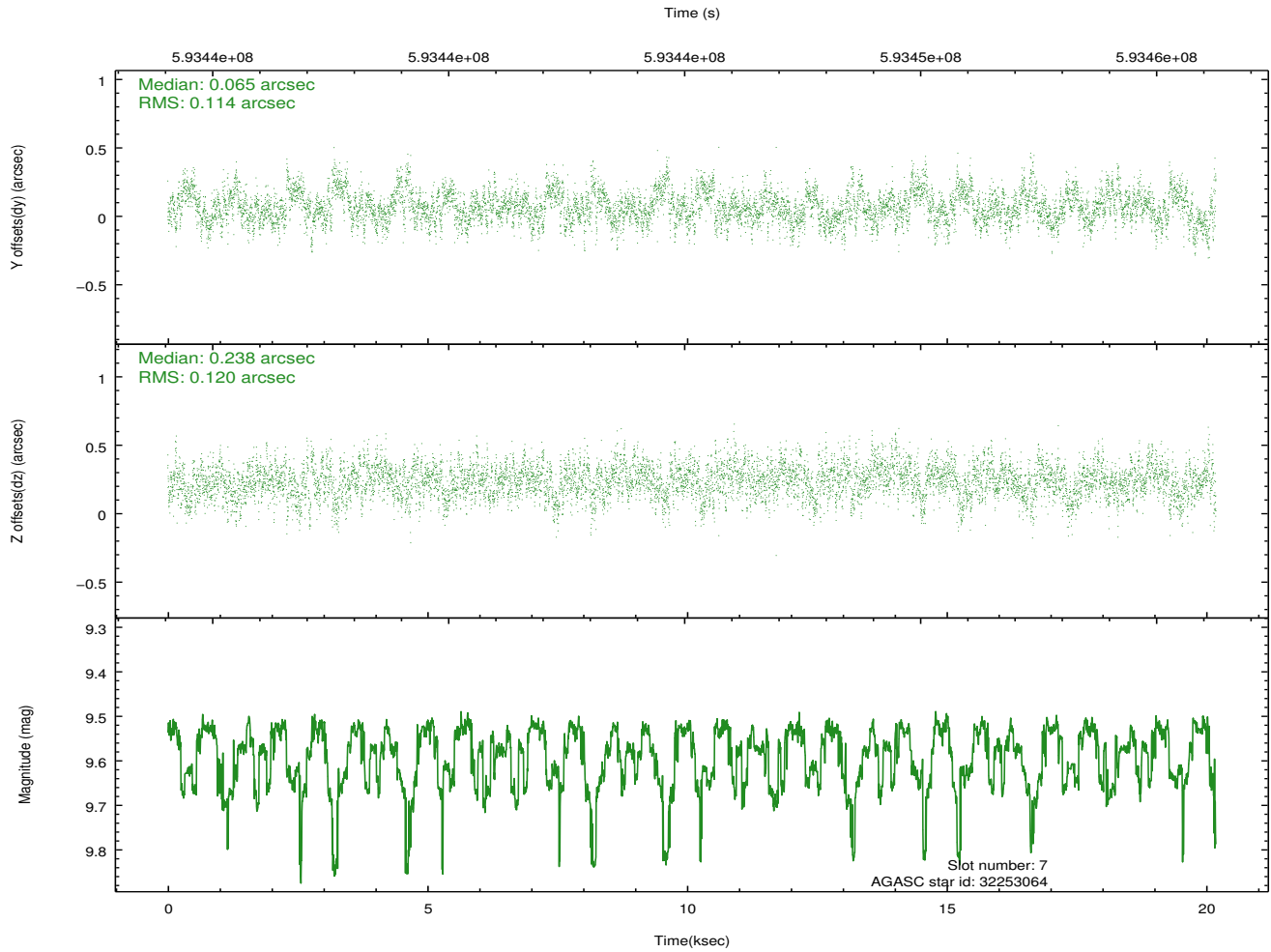
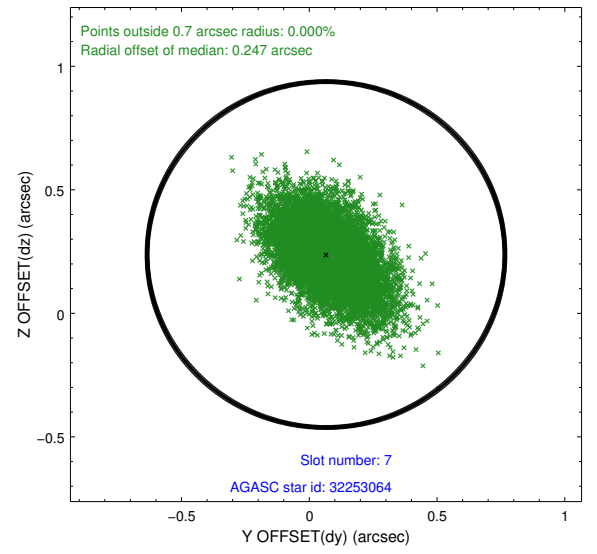
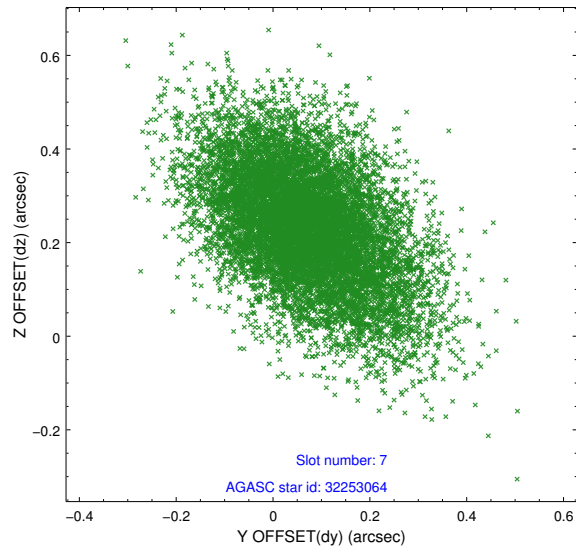
2.4.3 Slot 5



2.4.4 Slot 6

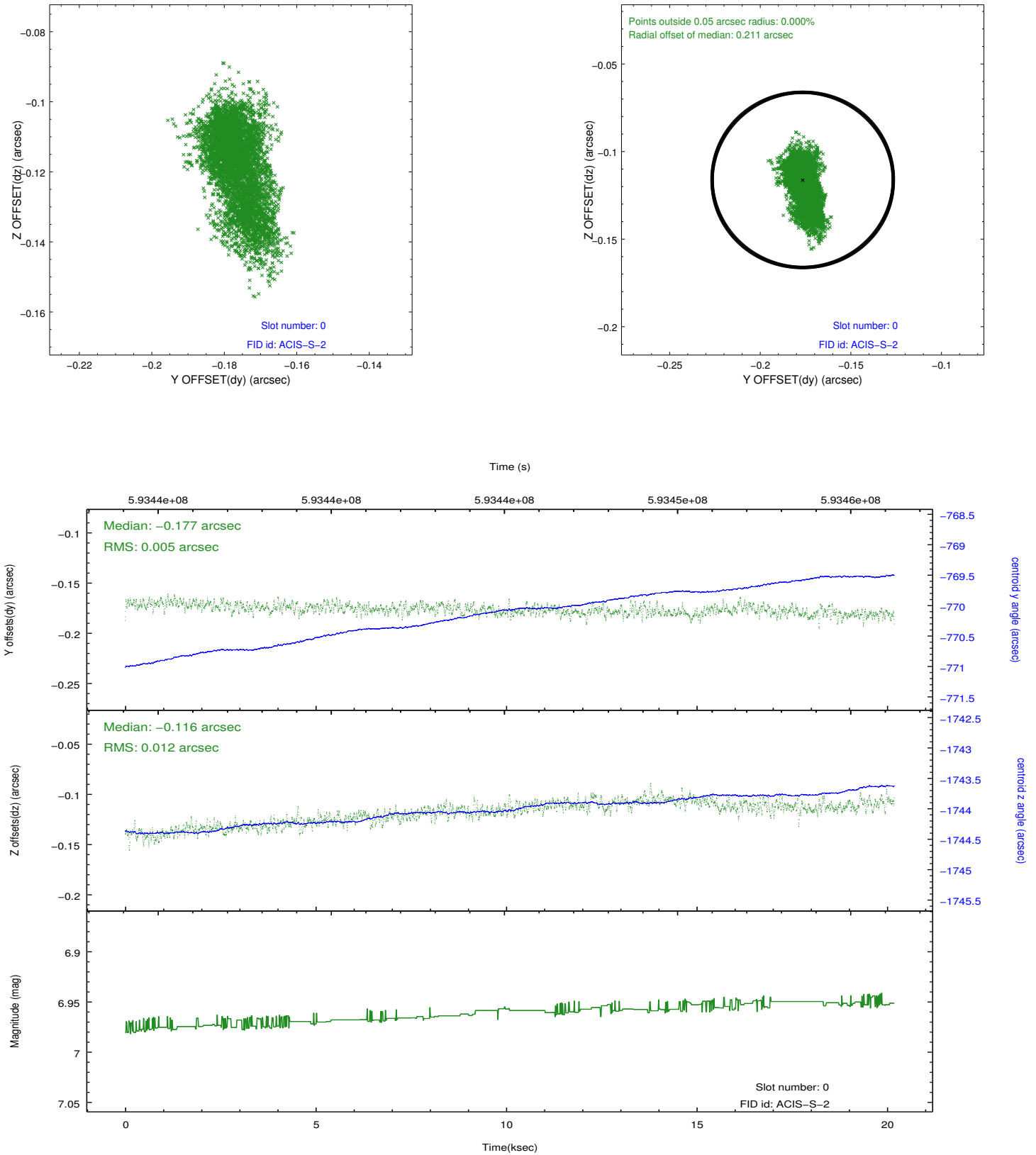


2.4.5 Slot 7

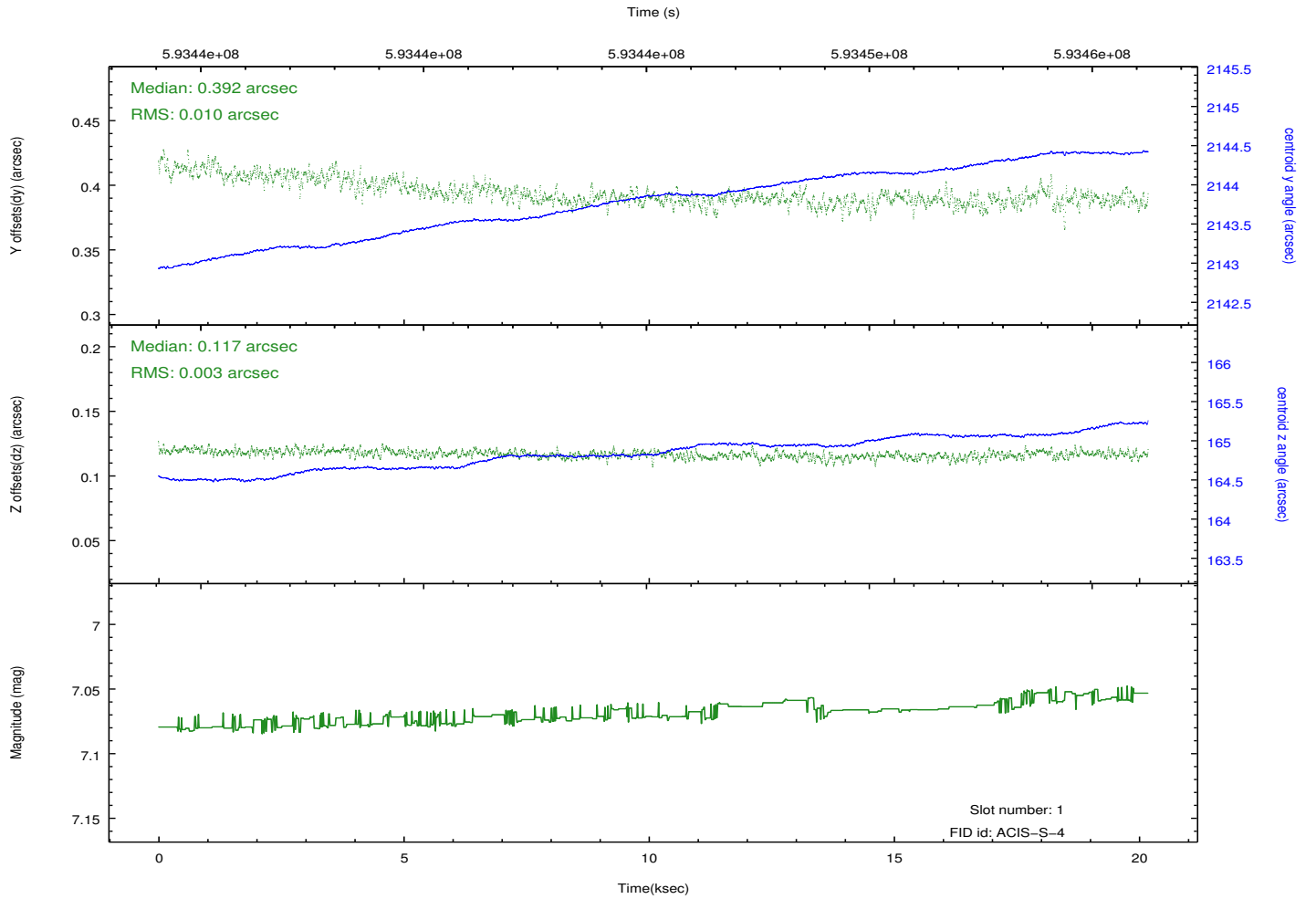
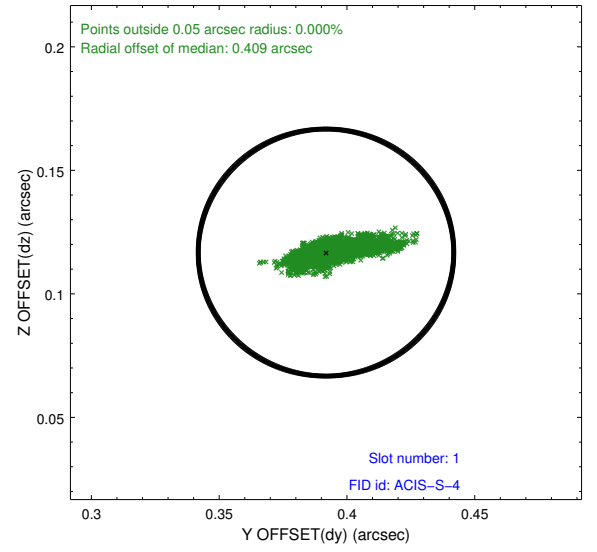
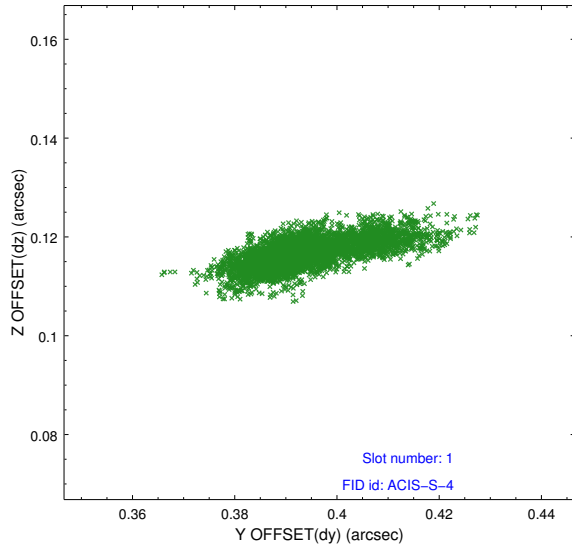


2.5 FID Slots

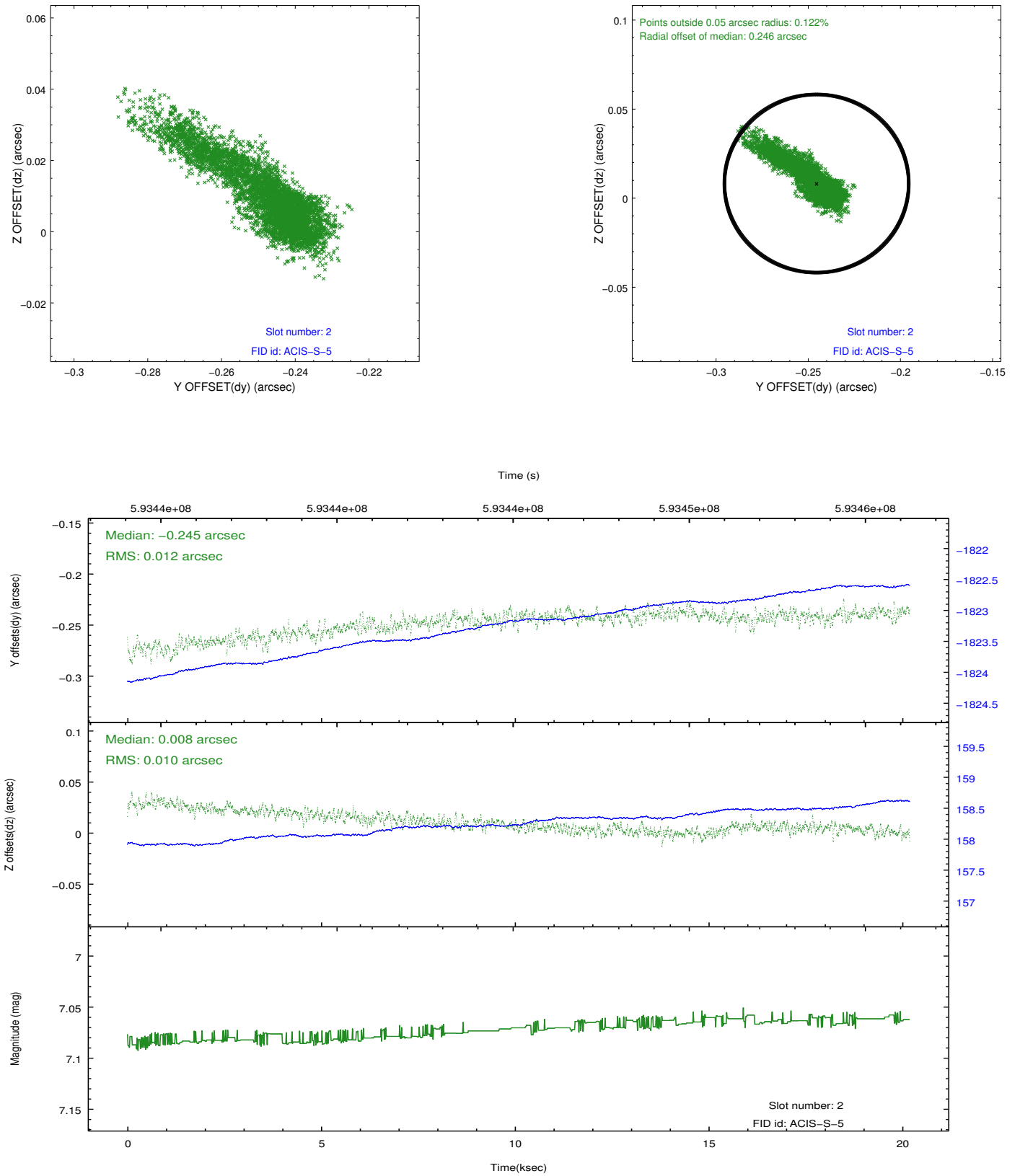
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1825

A.2 Comments