

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 18958 - L2 Version 1
Chandra X-Ray Center

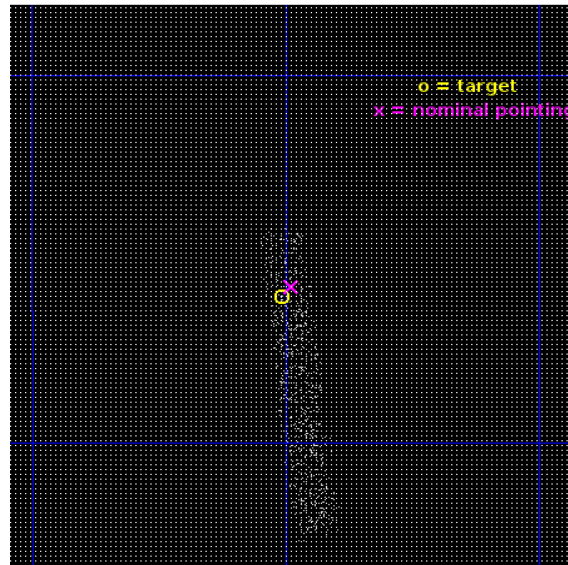
L2 Processing Date : May 9 2017

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1 Front

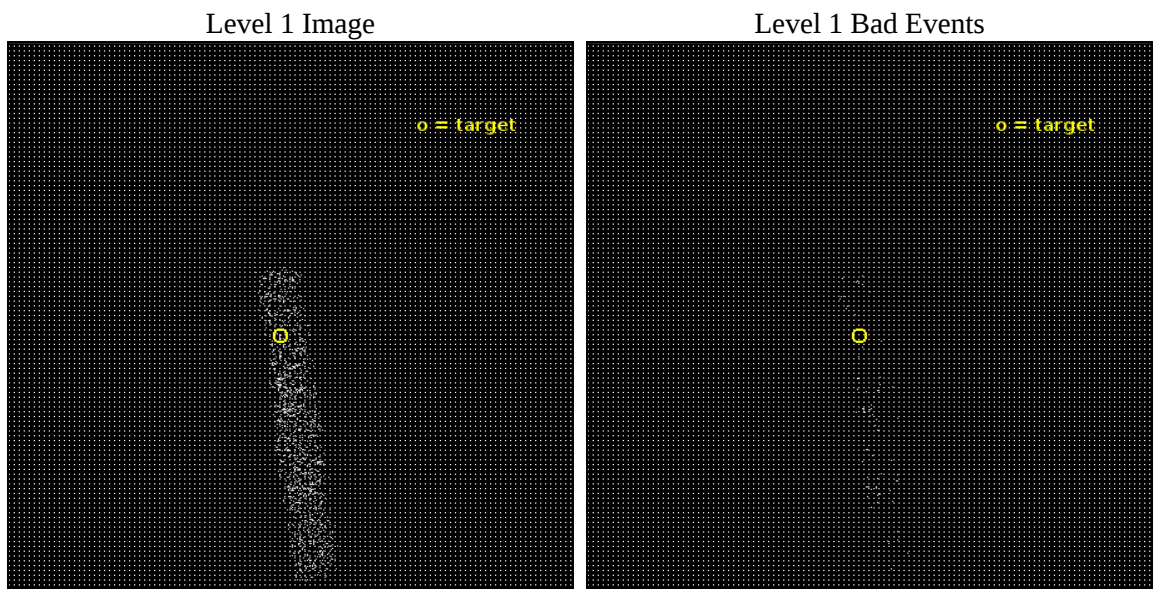
seq_num	401826	Sequence number
obs_id	18958	Observation id
title	Precise Localization of Transient Low-Mass X-ray Binaries	Proposal
observer	Deepto Chakrabarty	Principal investigator
object	IGR J17445-2447	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.126458	Observer's specified target RA [deg]
dec_targ	-27.766861	Observer's specified target Dec [deg]
ra_nom	266.12207329089	Nominal RA [deg]
dec_nom	-27.762499844635	Nominal Dec [deg]
roll_nom	83.00912832351	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1069.1999361515	Sum of GTIs [s]
livetime	969.70790508934	Livetime [s]
ontime7	1069.1999361515	Sum of GTIs [s]
l2events	656	Number of level 2 events



2 OBI

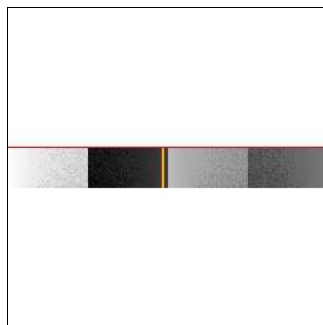
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	1069.1999361515	Sum of GTIs [s]
caldsver	4.7.4	 	ontime7	1069.1999361515	Sum of GTIs [s]
date	2017-05-09T05:26:49	Date and time of file creation	l1events	1472	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

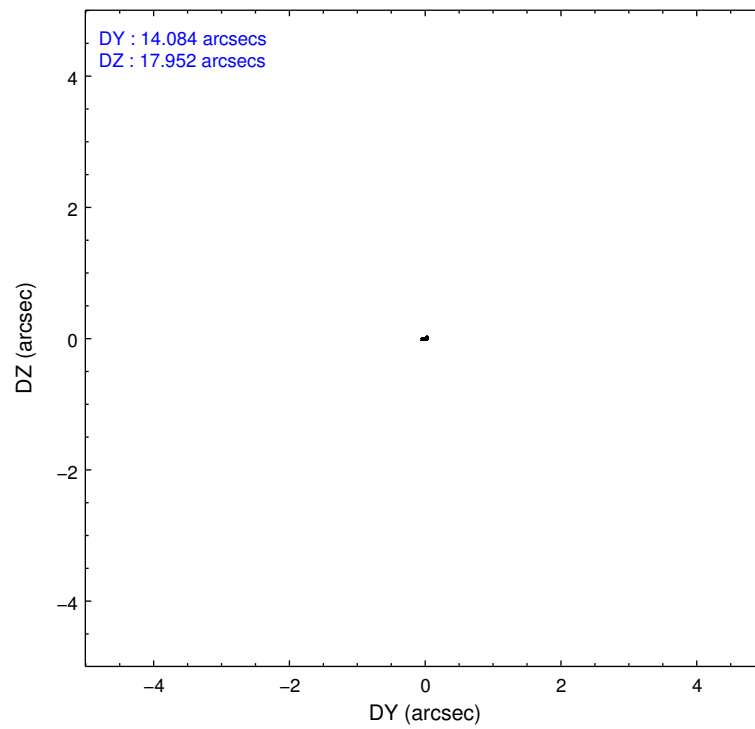
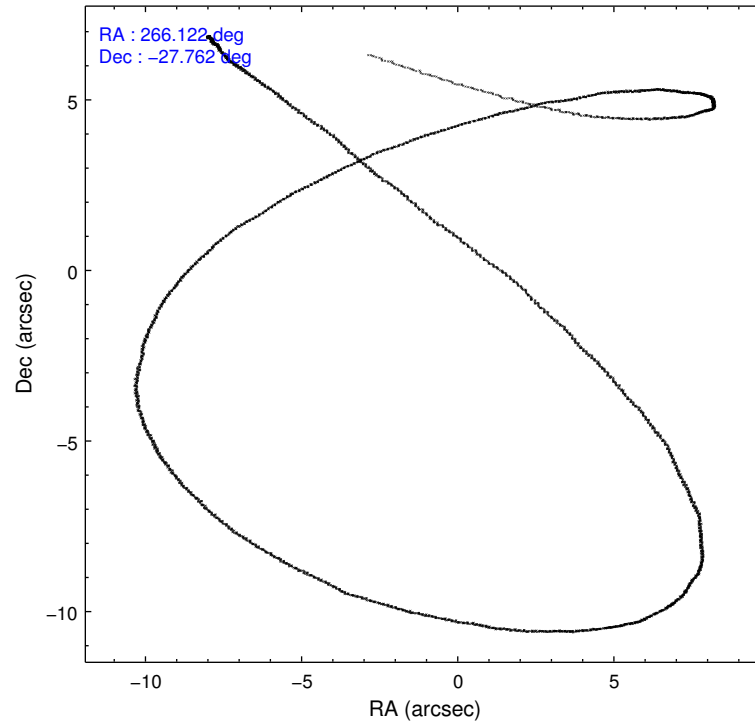
	ccd 7
level 1 events	1472
rejected events	790
rejected %	53%

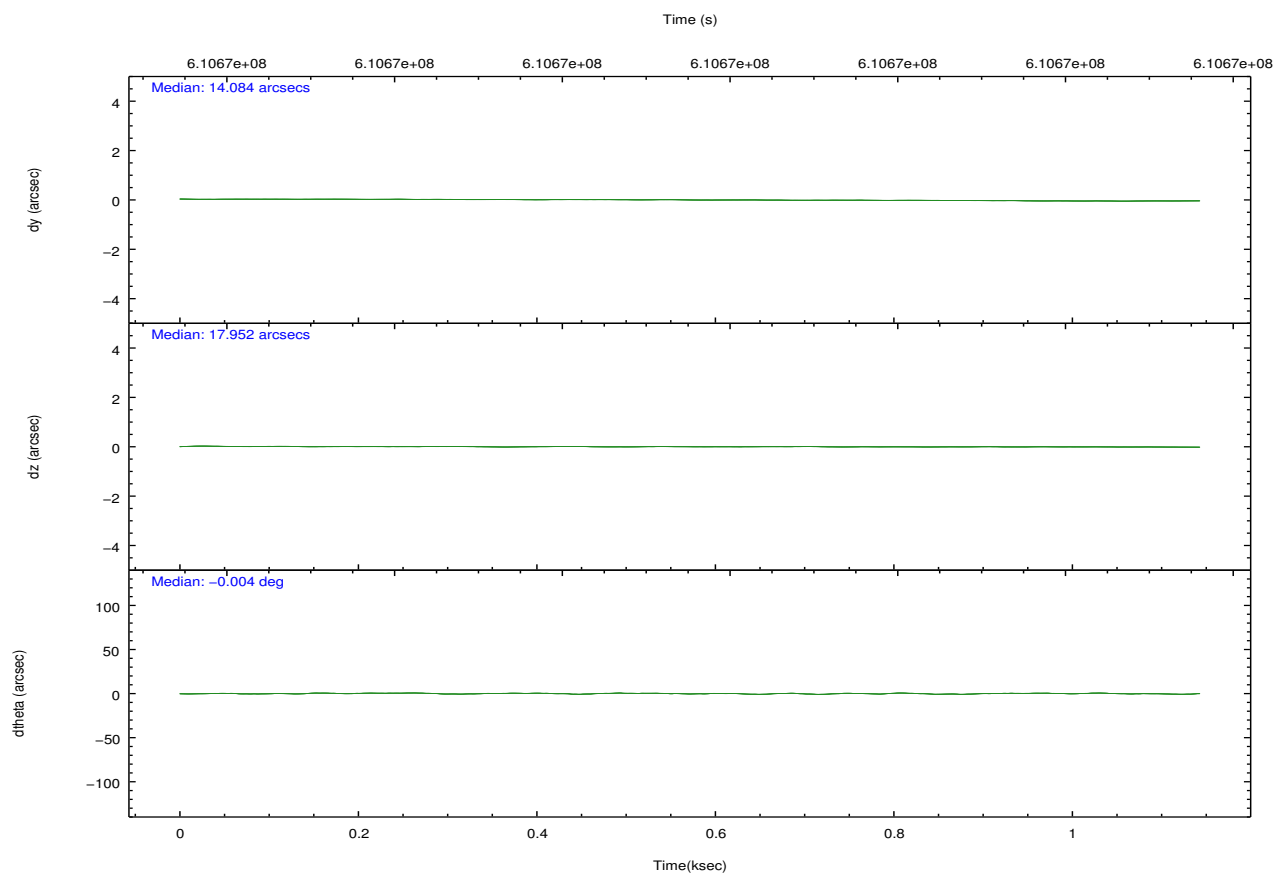
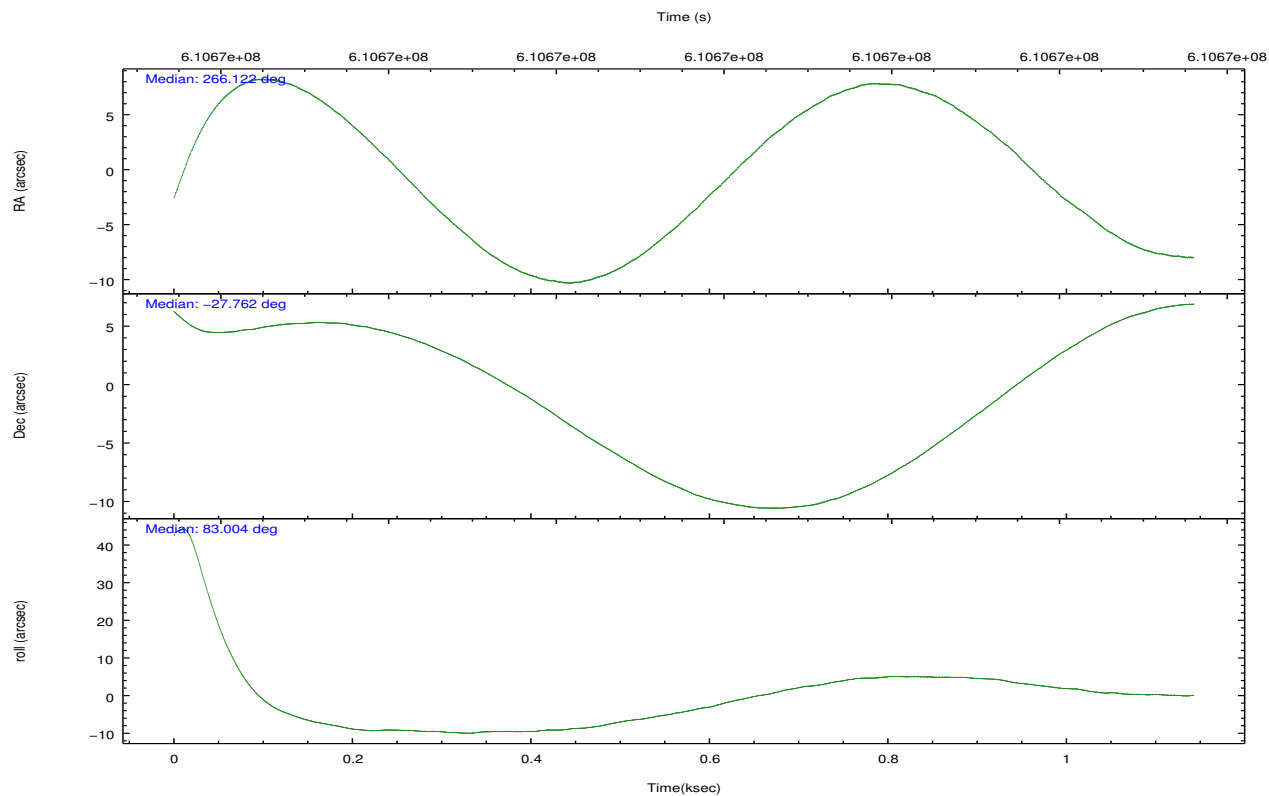
	ccd 7
grade 0 events	78
	5%
grade 1 events	1
	0%
grade 2 events	139
	9%
grade 3 events	72
	4%
grade 4 events	63
	4%
grade 5 events	141
	9%
grade 6 events	330
	22%
grade 7 events	648
	44%

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	266.134753	266.1220732908869	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-27.787879	-27.7624998446345	Subarray start row	449	449
[deg] Pointing Roll	82.857556	83.00912832350986	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)	610668735.184000	610667848.20432			
Observation start date	2017-05-08T22:11:06	2017-05-08T21:57:28			
[s] Observation end time (MET)	610669735.184000	610670017.61695			
Observation end date	2017-05-08T22:27:46	2017-05-08T22:33:37			
Read mode	TIMED	TIMED			

2.3 Aspect



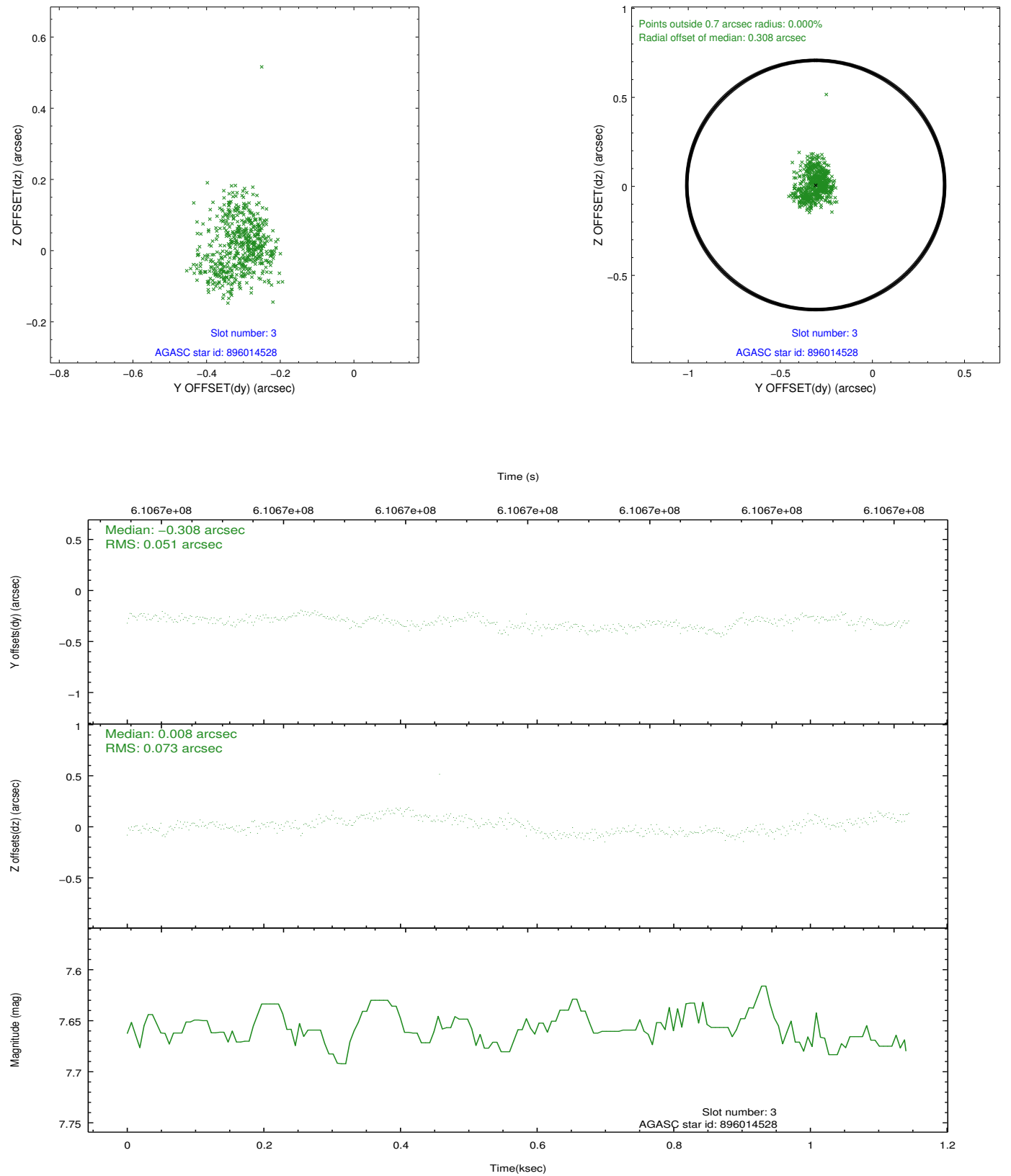


Slot Statistics

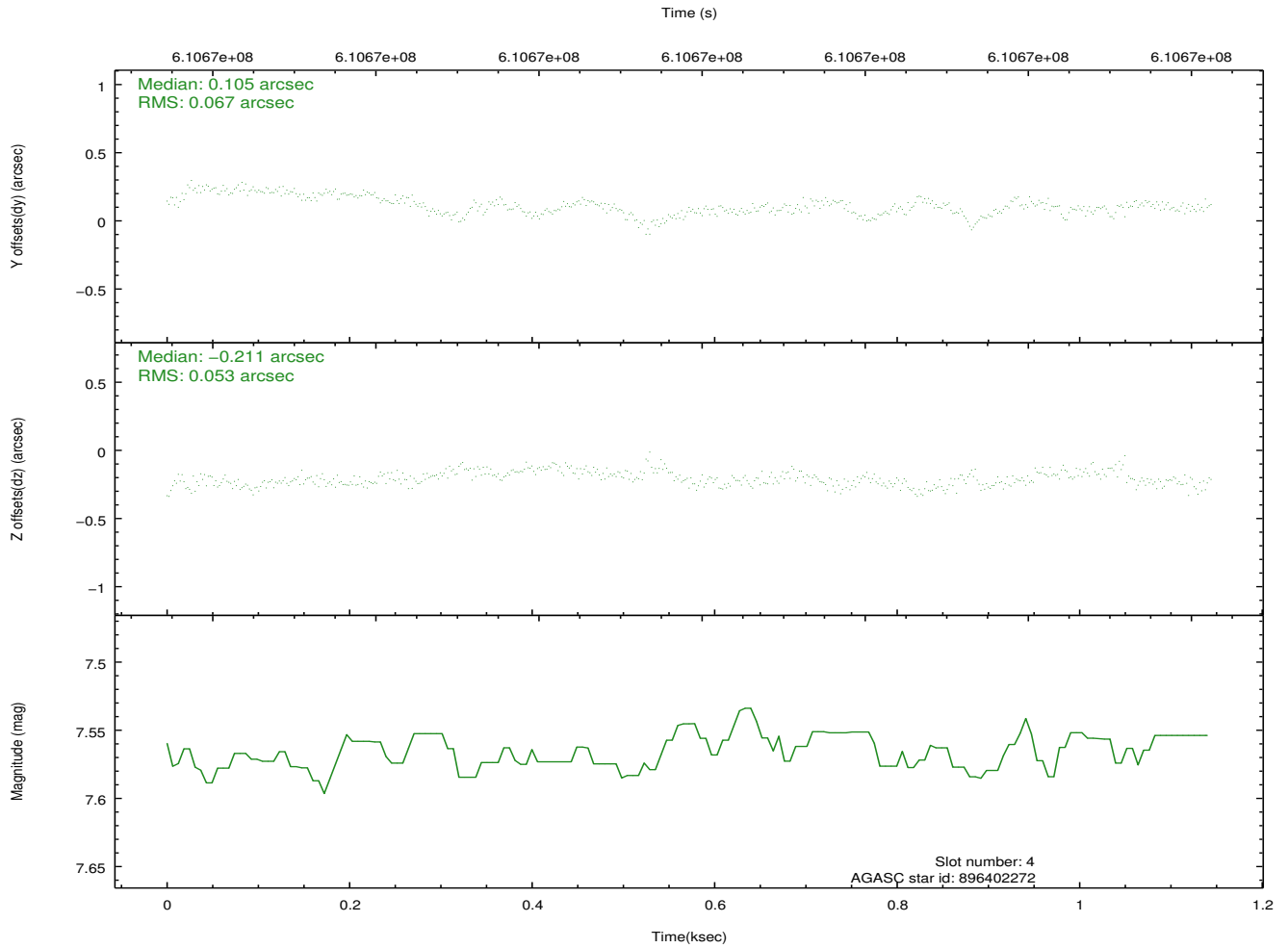
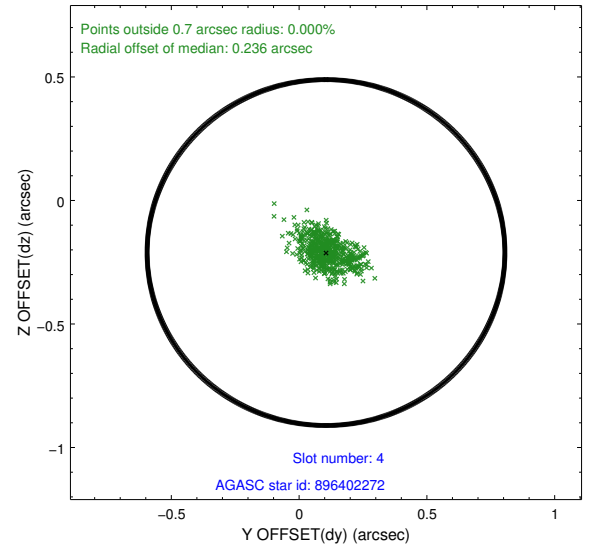
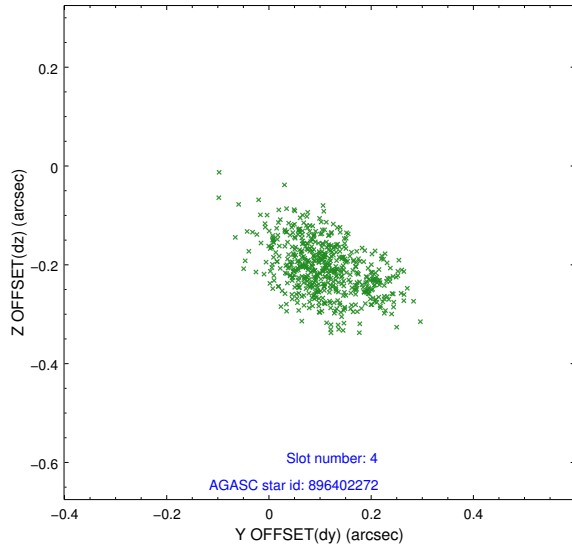
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.14	279	-0.180	-0.160	0.007	0.012	0.000000	0.000000	-767.20	-1739.52
1	FID		ACIS-S-4	7.26	279	0.529	0.130	0.005	0.010	0.000000	0.000000	2144.10	163.18
2	FID		ACIS-S-5	7.26	279	-0.381	0.040	0.006	0.011	0.000000	0.000000	-1812.76	163.40
3	GUIDE	used	896014528	7.66	559	-0.308	0.008	0.096	0.146	266.628858	-27.438607	1439.98	-1410.89
4	GUIDE	used	896402272	7.57	559	0.105	-0.211	0.093	0.149	265.637294	-28.313189	-2073.73	1325.49
5	GUIDE	used	896402656	8.81	559	0.107	-0.335	0.094	0.170	265.739192	-28.230753	-1744.31	1047.82
6	GUIDE	used	896538696	6.85	559	0.149	0.294	0.075	0.134	266.298470	-28.325572	-1860.05	-754.03
7	GUIDE	used	896012968	8.68	558	-0.070	0.241	0.155	0.235	266.634547	-27.600471	860.62	-1500.20

2.4 Star Slots

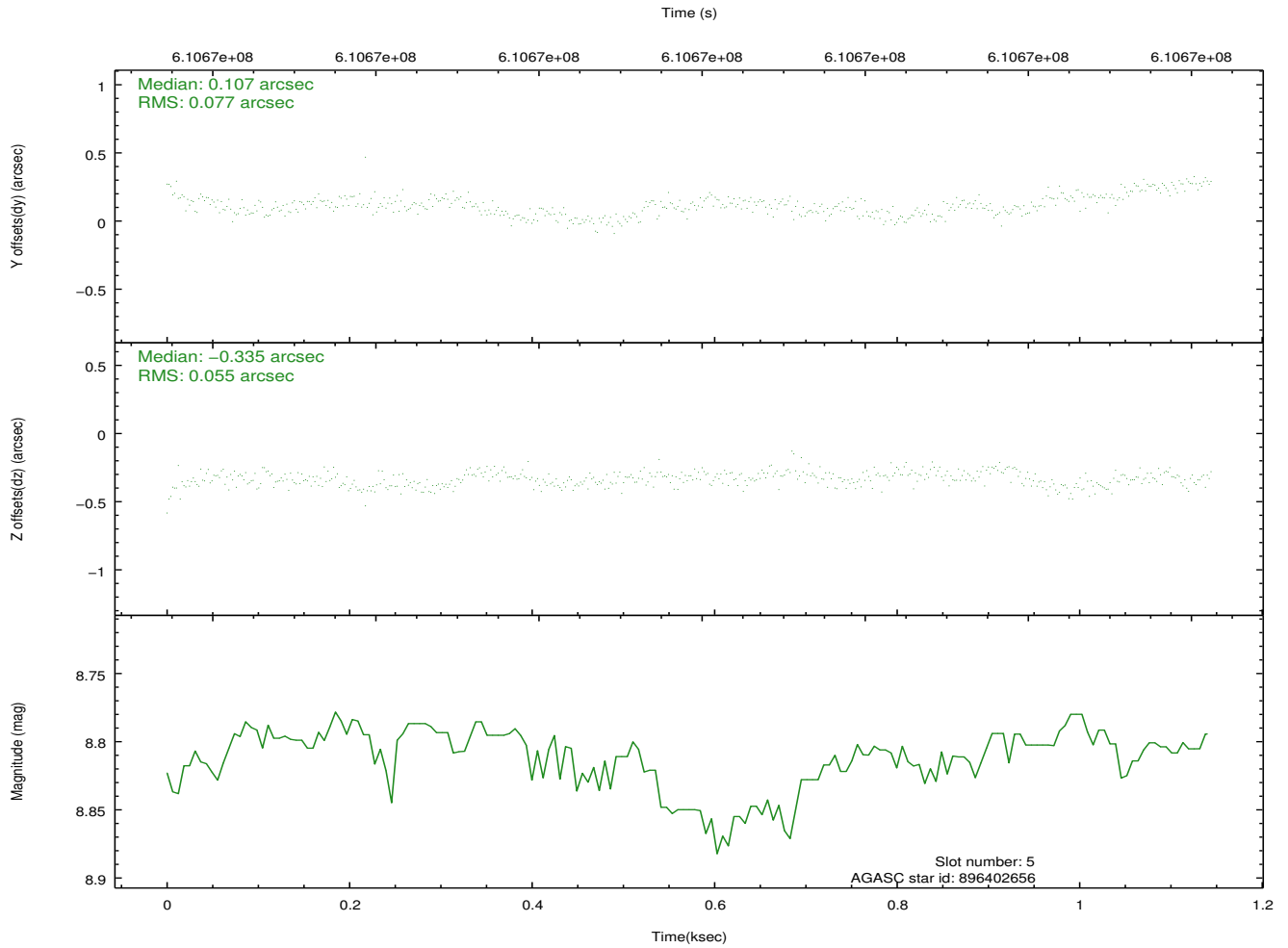
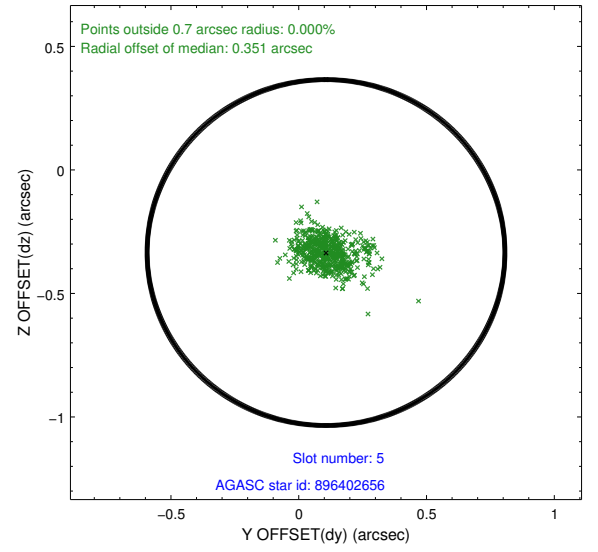
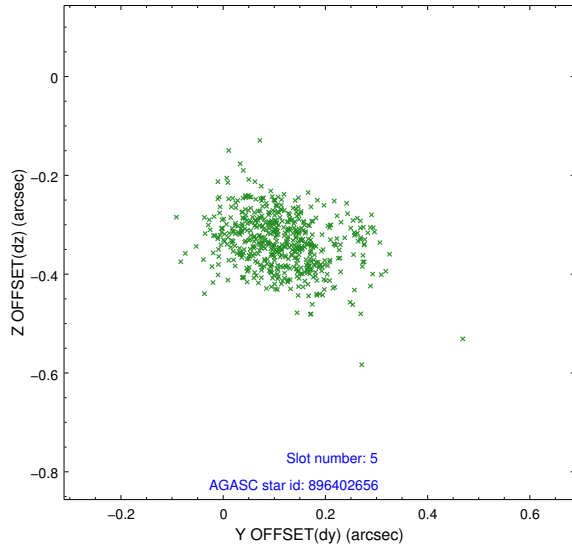
2.4.1 Slot 3



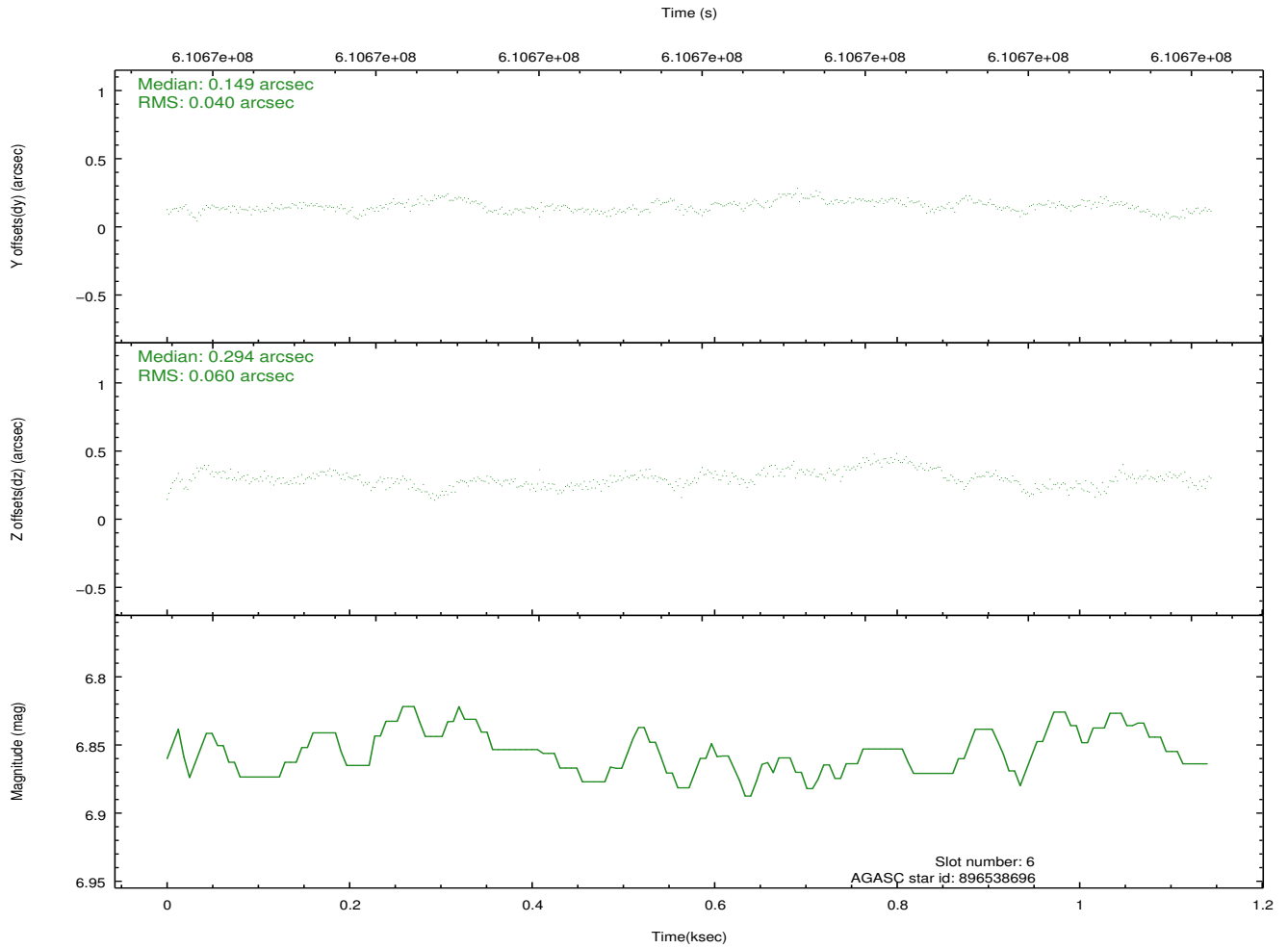
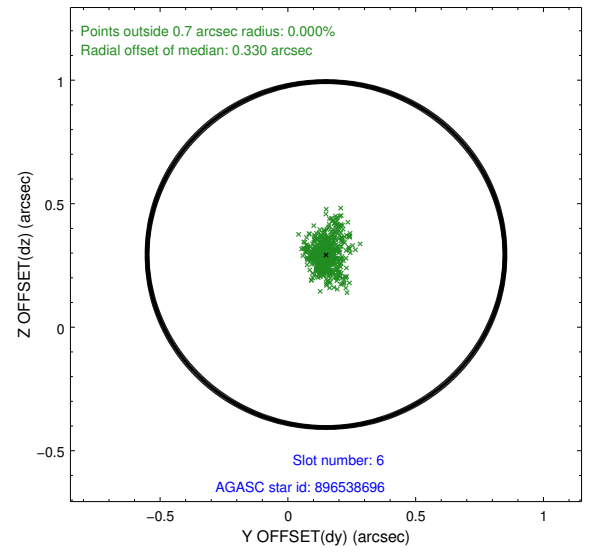
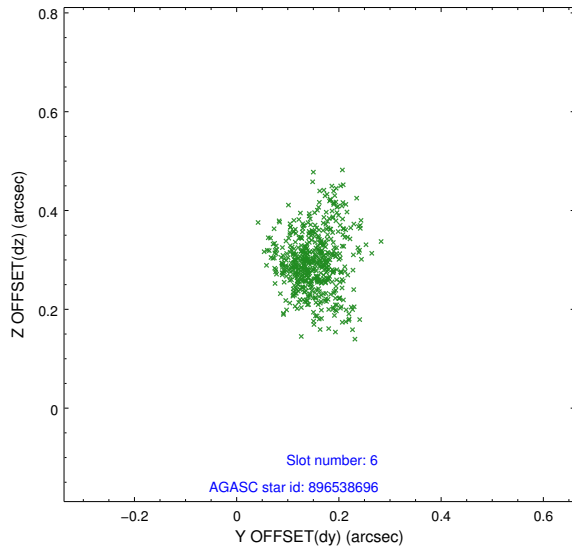
2.4.2 Slot 4



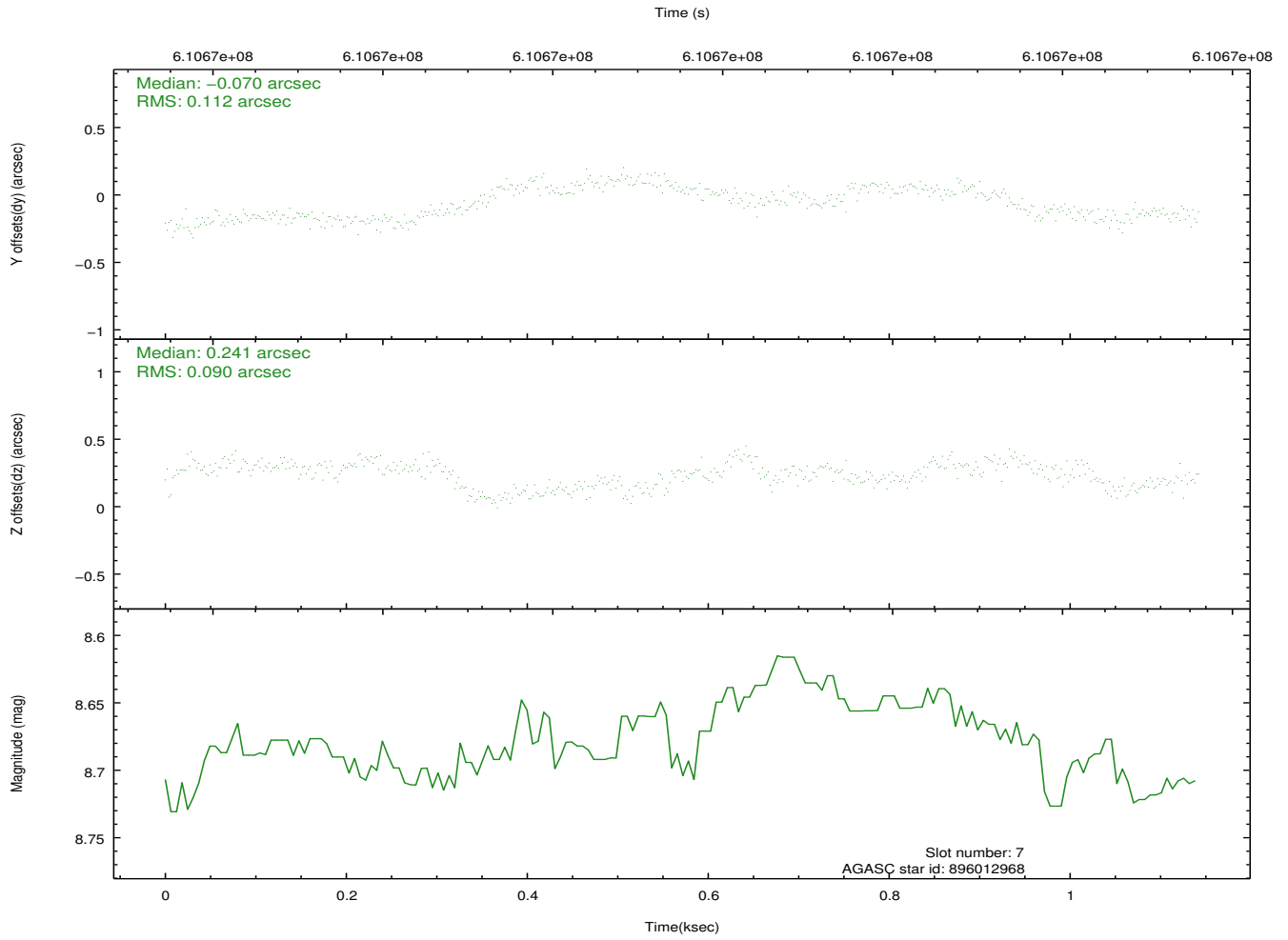
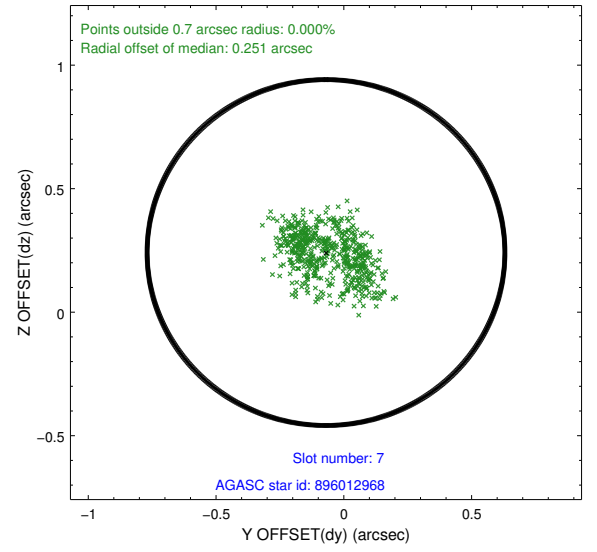
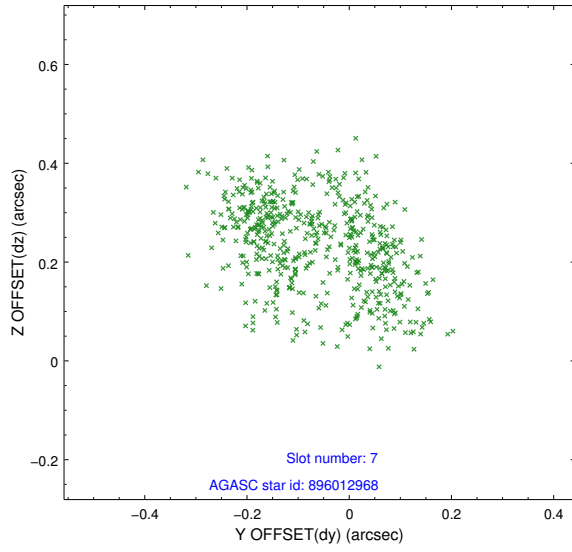
2.4.3 Slot 5



2.4.4 Slot 6

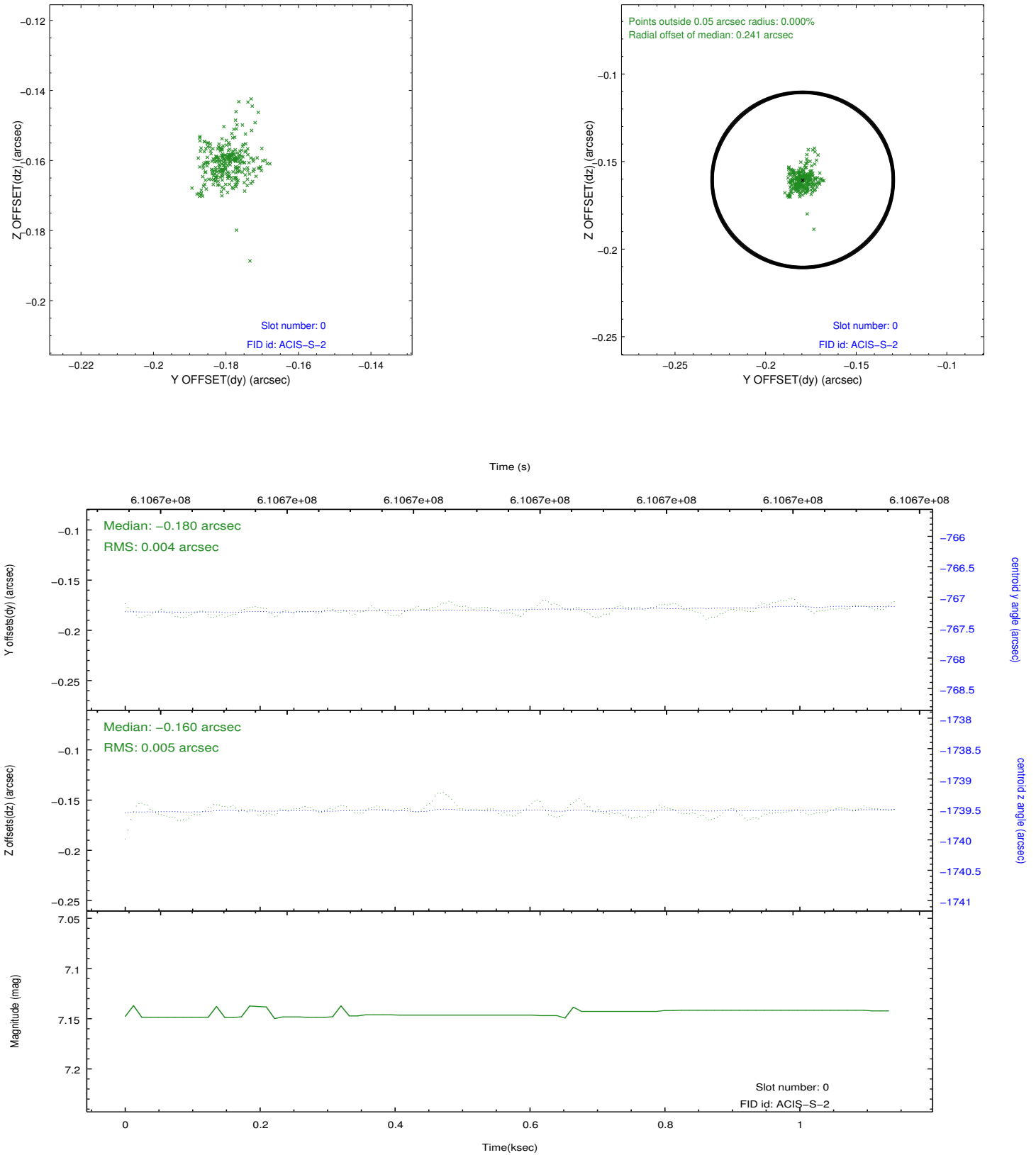


2.4.5 Slot 7

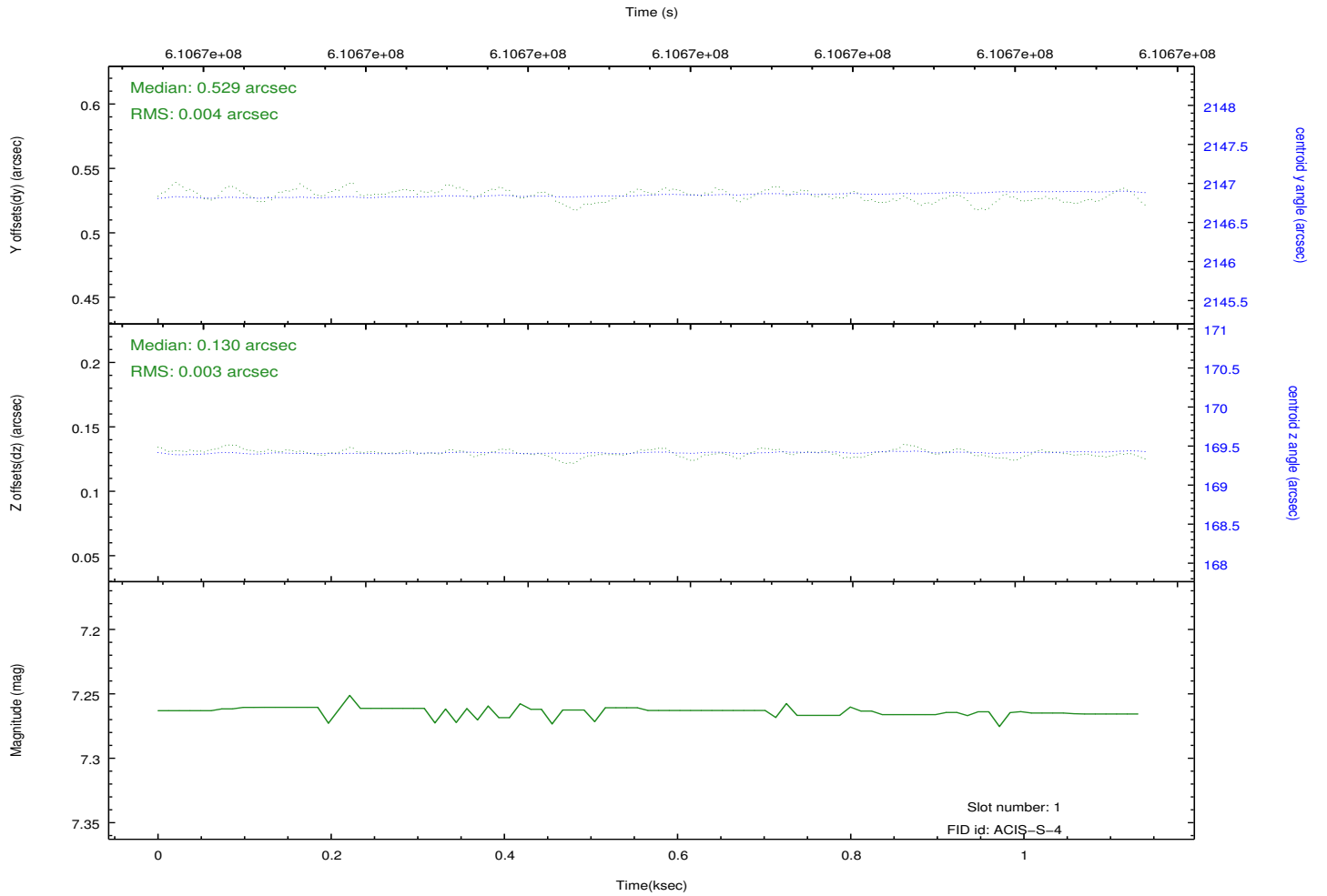
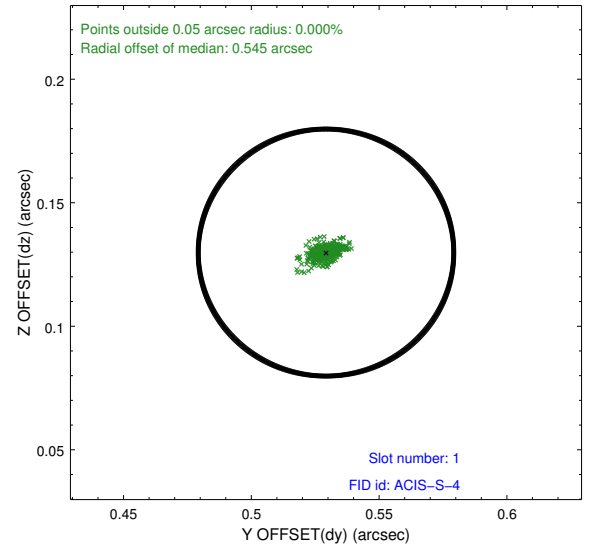
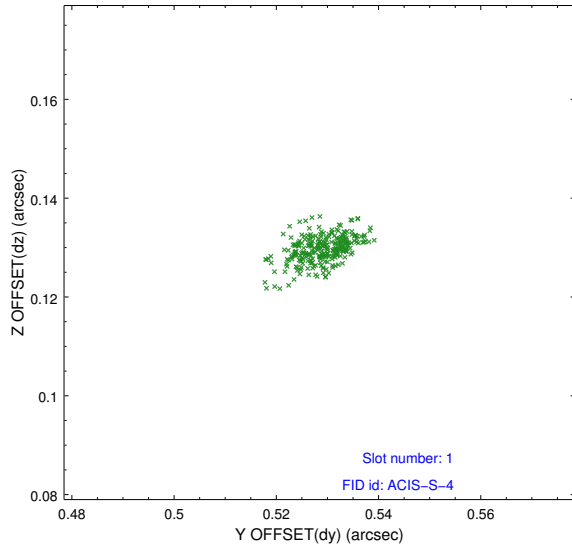


2.5 FID Slots

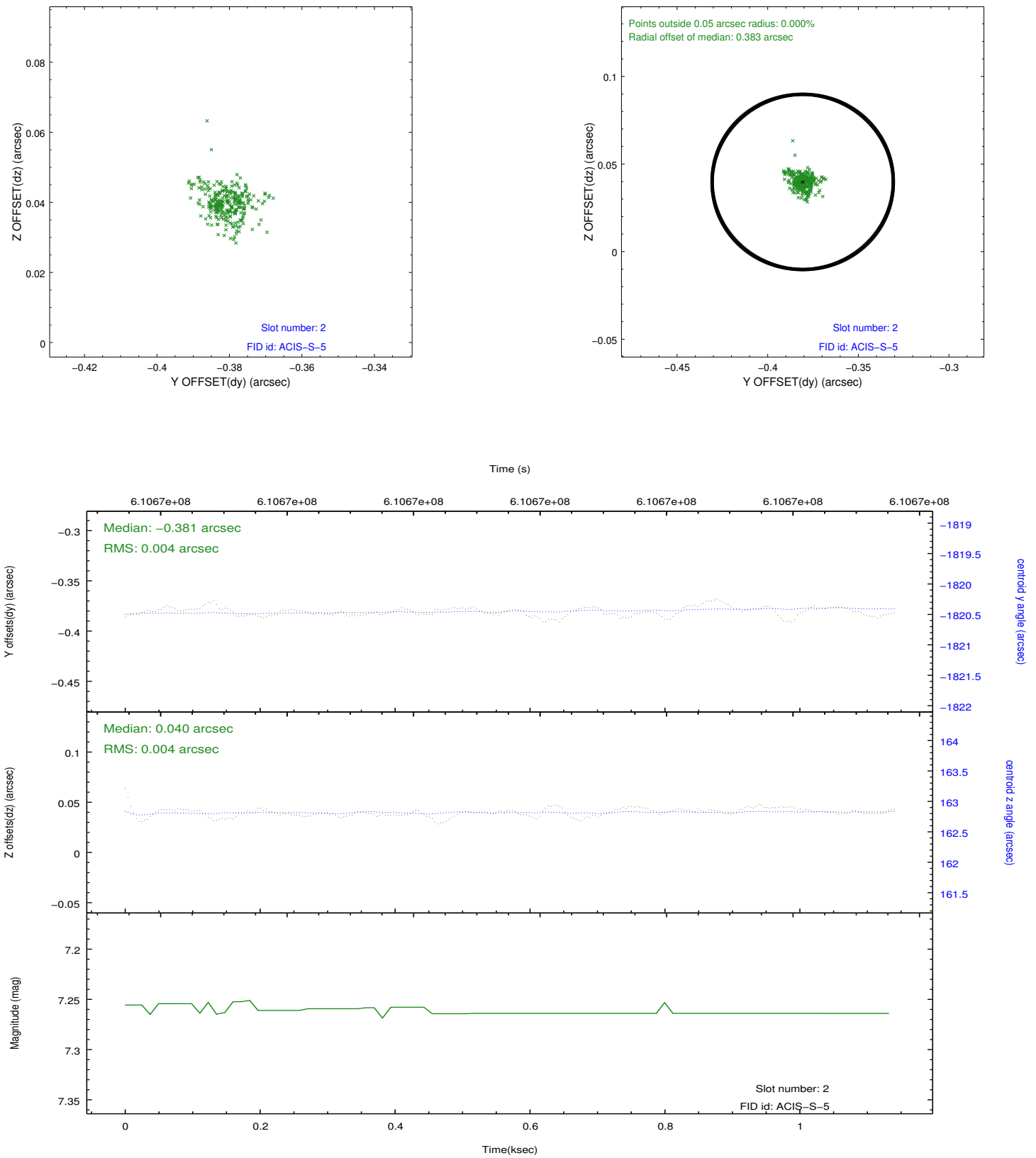
2.5.1 Slot 0



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)	2017.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0691999361515

A.2 Comments