

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18063 - L2 Version 1
Chandra X-Ray Center

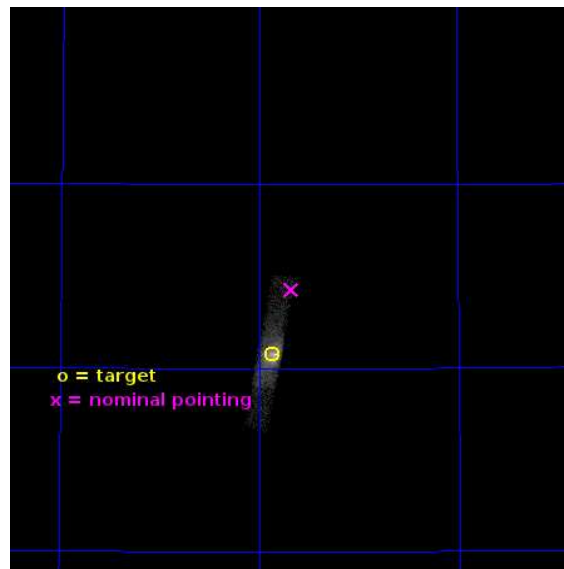
L2 Processing Date : Feb 24 2016

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1 Front

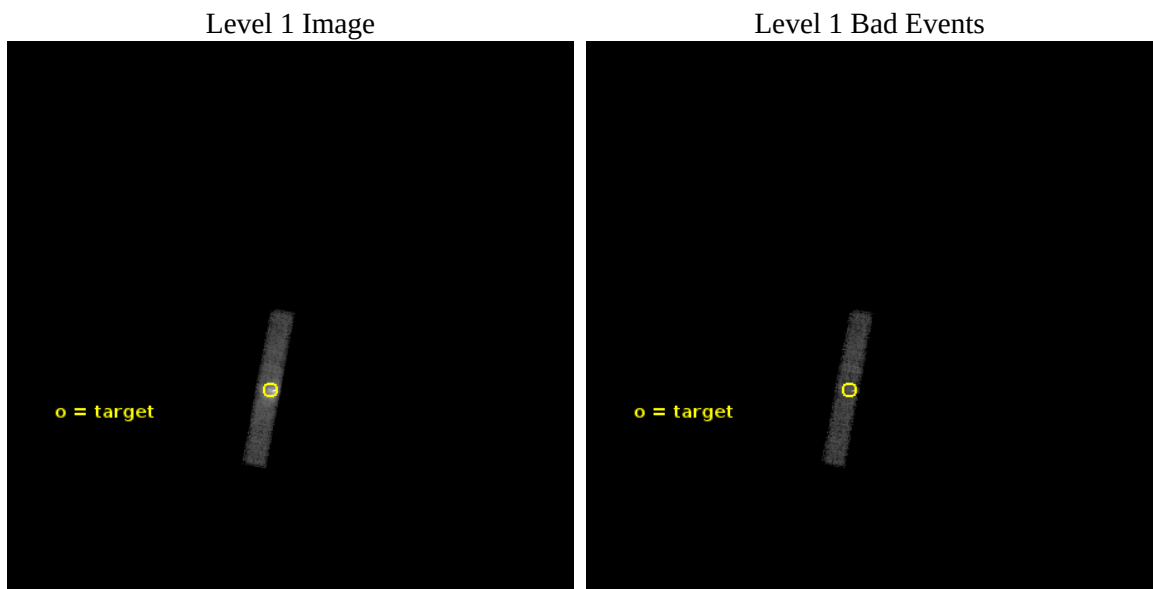
seq_num	601245	Sequence number
obs_id	18063	Observation id
title	Timing and Spectral Studies of the Extreme Binary Population in M82	
observer	Professor Fiona Harrison	Principal investigator
object	M82 offset 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.969583	Observer's specified target RA [deg]
dec_targ	69.679444	Observer's specified target Dec [deg]
ra_nom	148.9198889817	Nominal RA [deg]
dec_nom	69.738028476735	Nominal Dec [deg]
roll_nom	190.255315867	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25099.5	Sum of GTIs [s]
livetime	23195.604761201	Livetime [s]
ontime3	25099.5	Sum of GTIs [s]
l2events	39020	Number of level 2 events



2 OBI

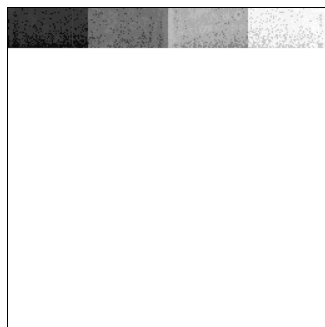
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	25099.5	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	25099.5	Sum of GTIs [s]
date	2016-02-24T15:35:27	Date and time of file creation	l1events	69743	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

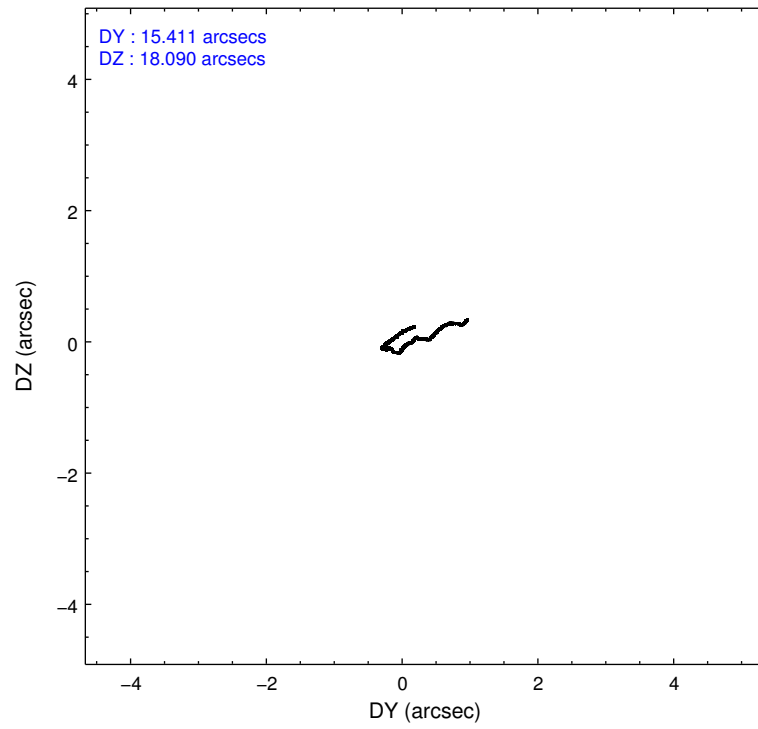
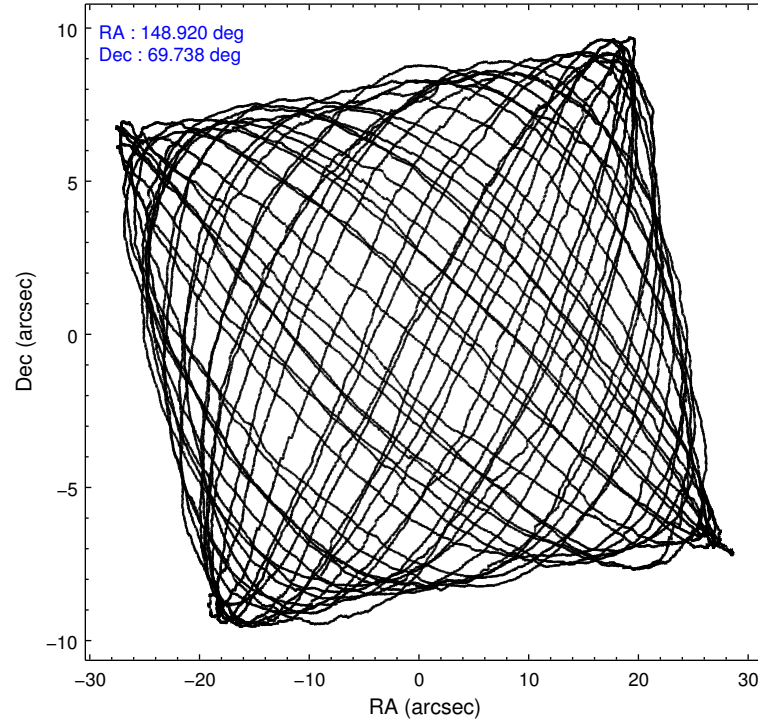
	ccd 3
level 1 events	69743
rejected events	25405
rejected %	36%

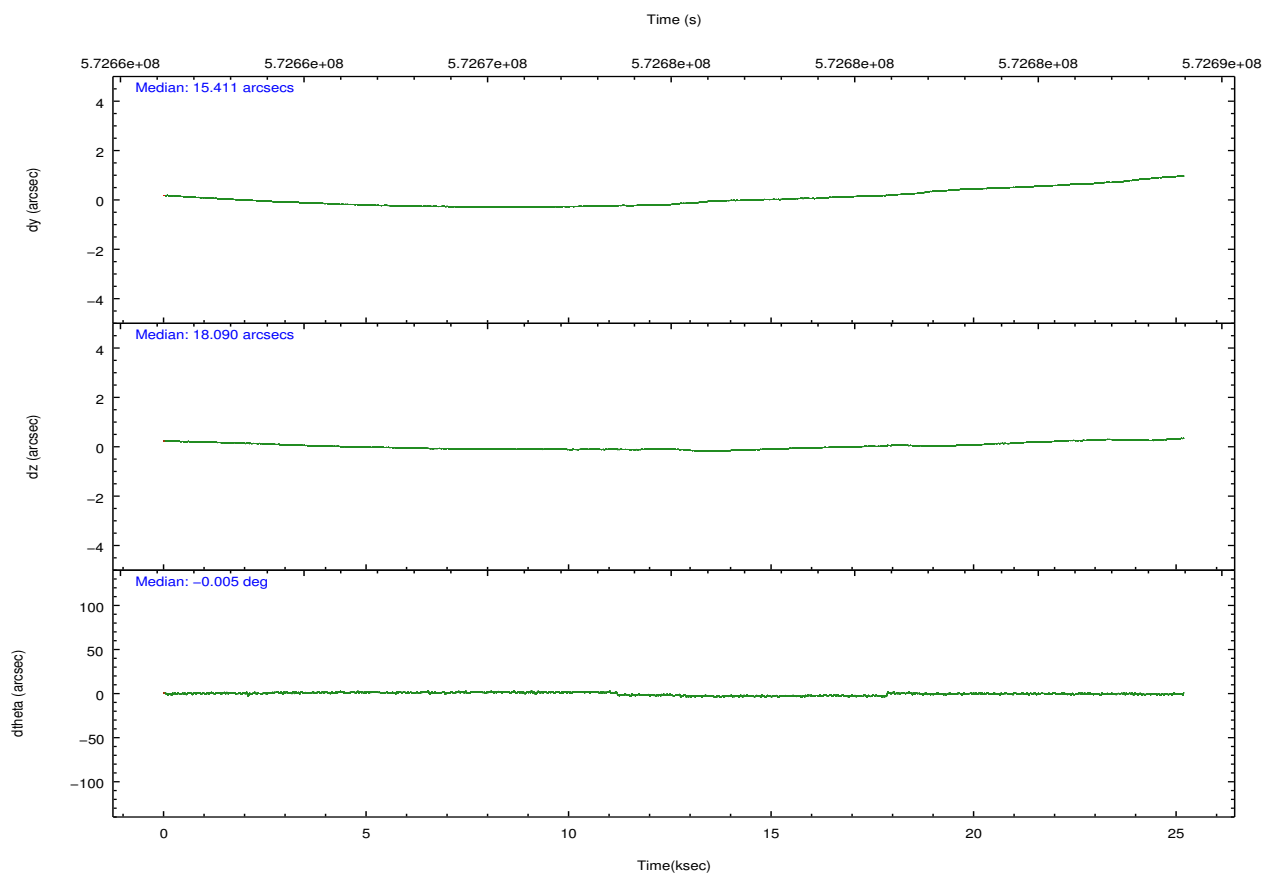
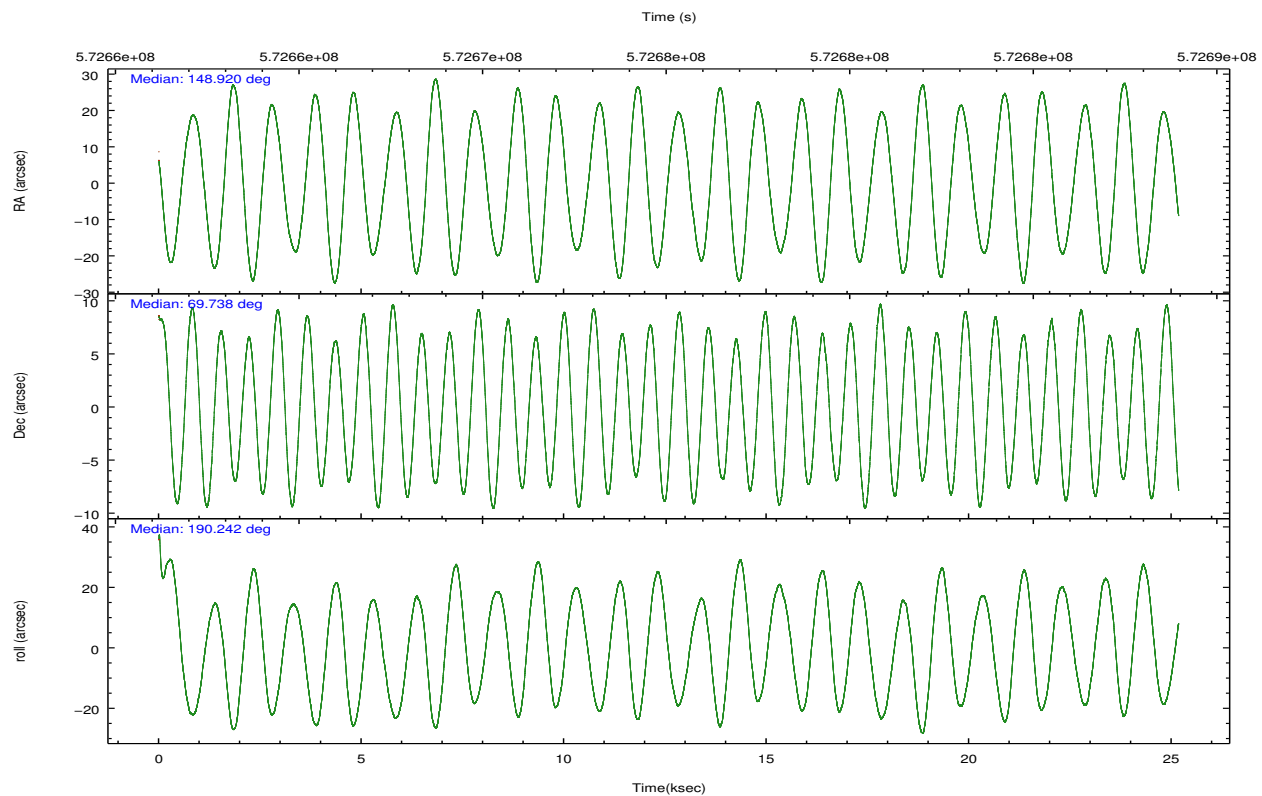
	ccd 3
grade 0 events	35024
	50%
grade 1 events	349
	0%
grade 2 events	4046
	5%
grade 3 events	1807
	2%
grade 4 events	1771
	2%
grade 5 events	1234
	1%
grade 6 events	1696
	2%
grade 7 events	23816
	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	148.980569	148.9198889816992	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	69.755923	69.7380284767349	Subarray start row	897	897
[deg] Pointing Roll	189.989688	190.2553158669977	Subarray row count	128	128
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.5
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	572662652.184000	572661493.88003			
Observation start date	2016-02-24T00:56:24	2016-02-24T00:38:13			
[s] Observation end time (MET)	572687652.184000	572688448.30656			
Observation end date	2016-02-24T07:53:04	2016-02-24T08:07:28			
Read mode	TIMED	TIMED			

2.3 Aspect



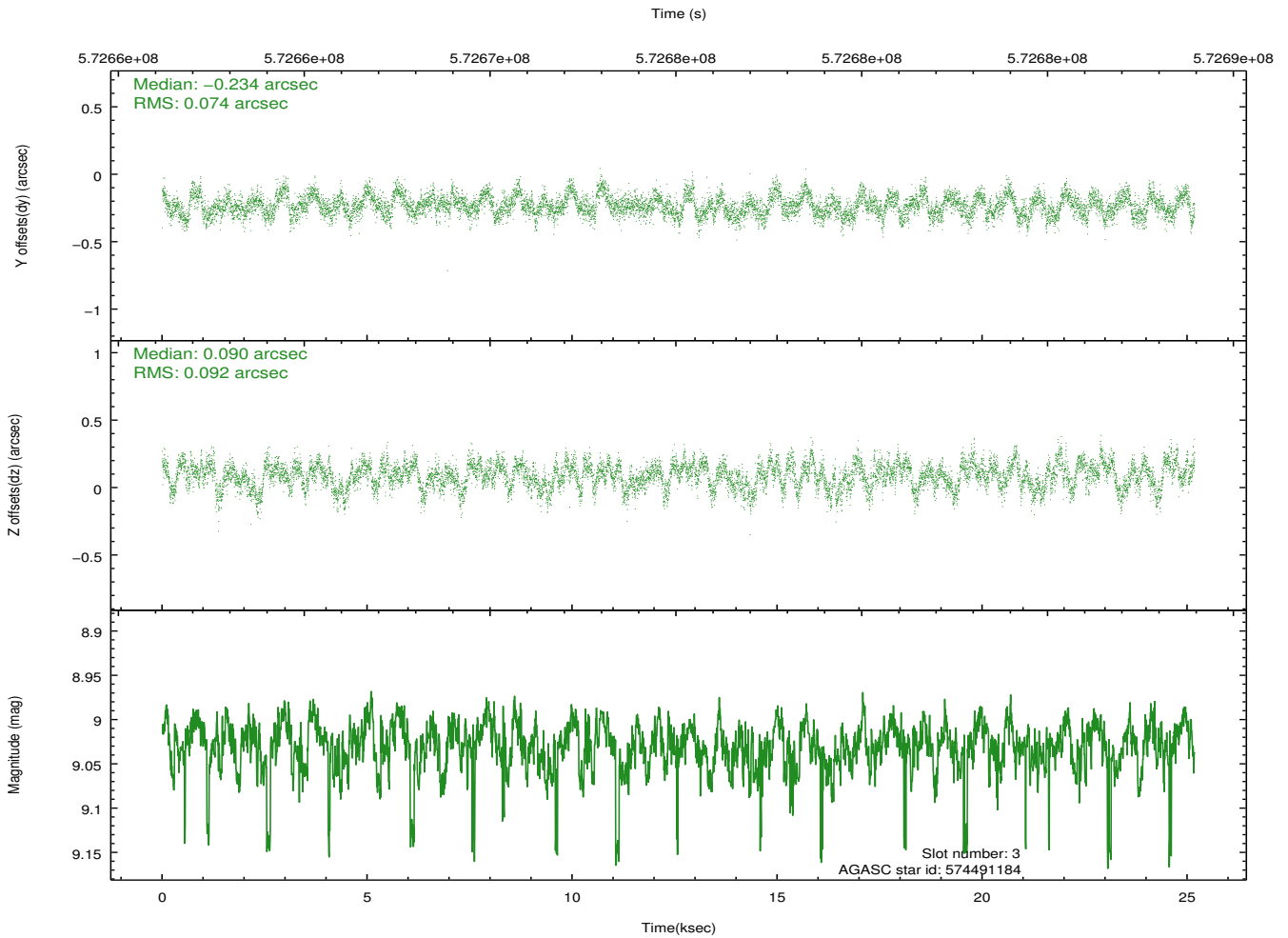
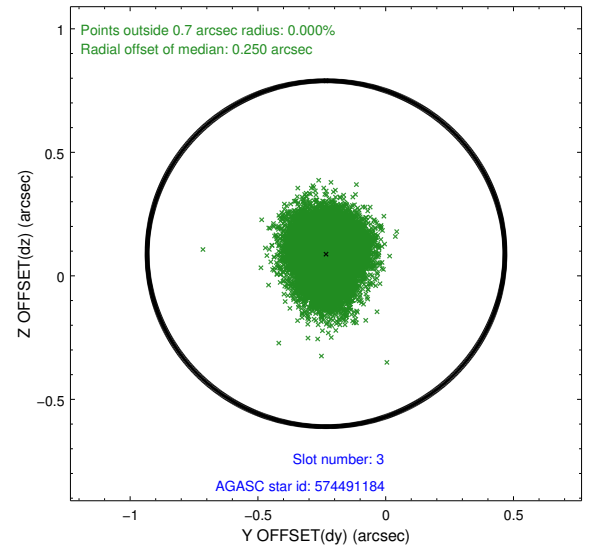
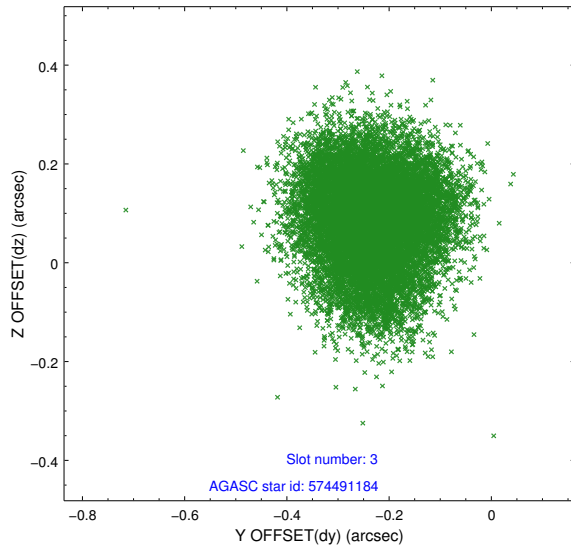


Slot Statistics

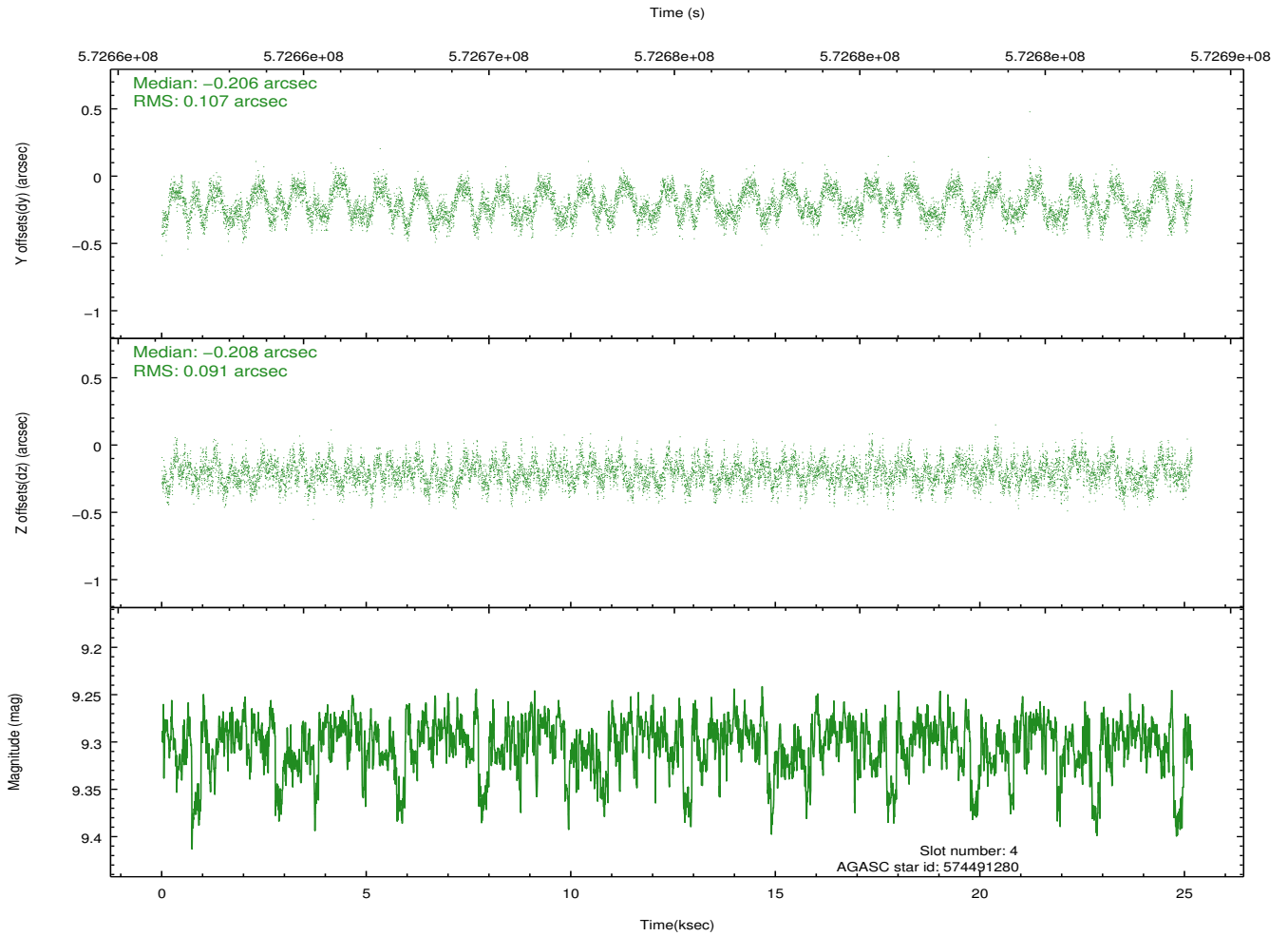
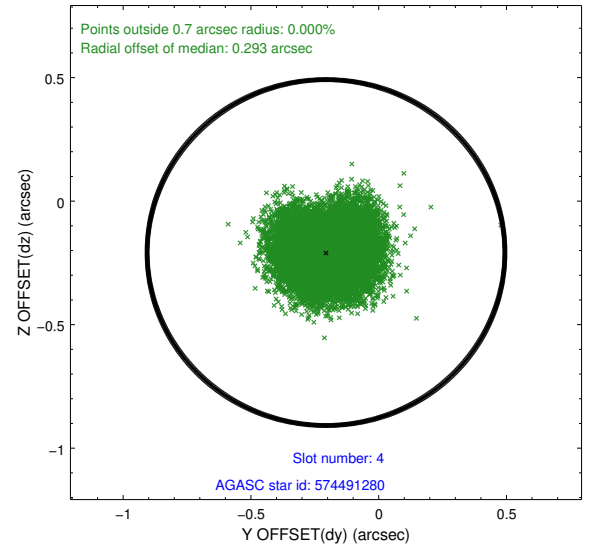
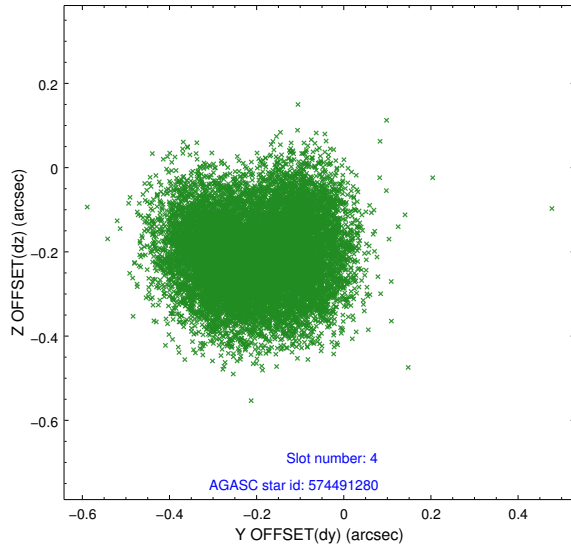
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	6142	-0.032	-0.034	0.016	0.041	0.000000	0.000000	923.96	-841.80
1	FID		ACIS-I-4	7.19	6141	0.365	0.062	0.018	0.034	0.000000	0.000000	2144.37	1058.11
2	FID		ACIS-I-5	7.26	6141	-0.433	0.043	0.013	0.025	0.000000	0.000000	-1824.38	1055.89
3	GUIDE	used	574491184	9.03	12275	-0.234	0.090	0.128	0.198	148.582453	69.768699	479.65	-132.55
4	GUIDE	used	574491280	9.30	12276	-0.206	-0.208	0.154	0.228	148.611567	69.450135	651.81	1003.18
5	GUIDE	used	574491872	9.26	12268	0.016	-0.109	0.178	0.273	147.207613	69.765453	2163.92	-442.58
6	GUIDE	used	574886464	9.76	12265	0.073	0.211	0.158	0.252	149.898674	70.203982	-1383.08	-1402.73
7	GUIDE	used	574886496	8.50	12276	0.339	0.017	0.109	0.167	148.945563	70.041136	-135.21	-1019.03

2.4 Star Slots

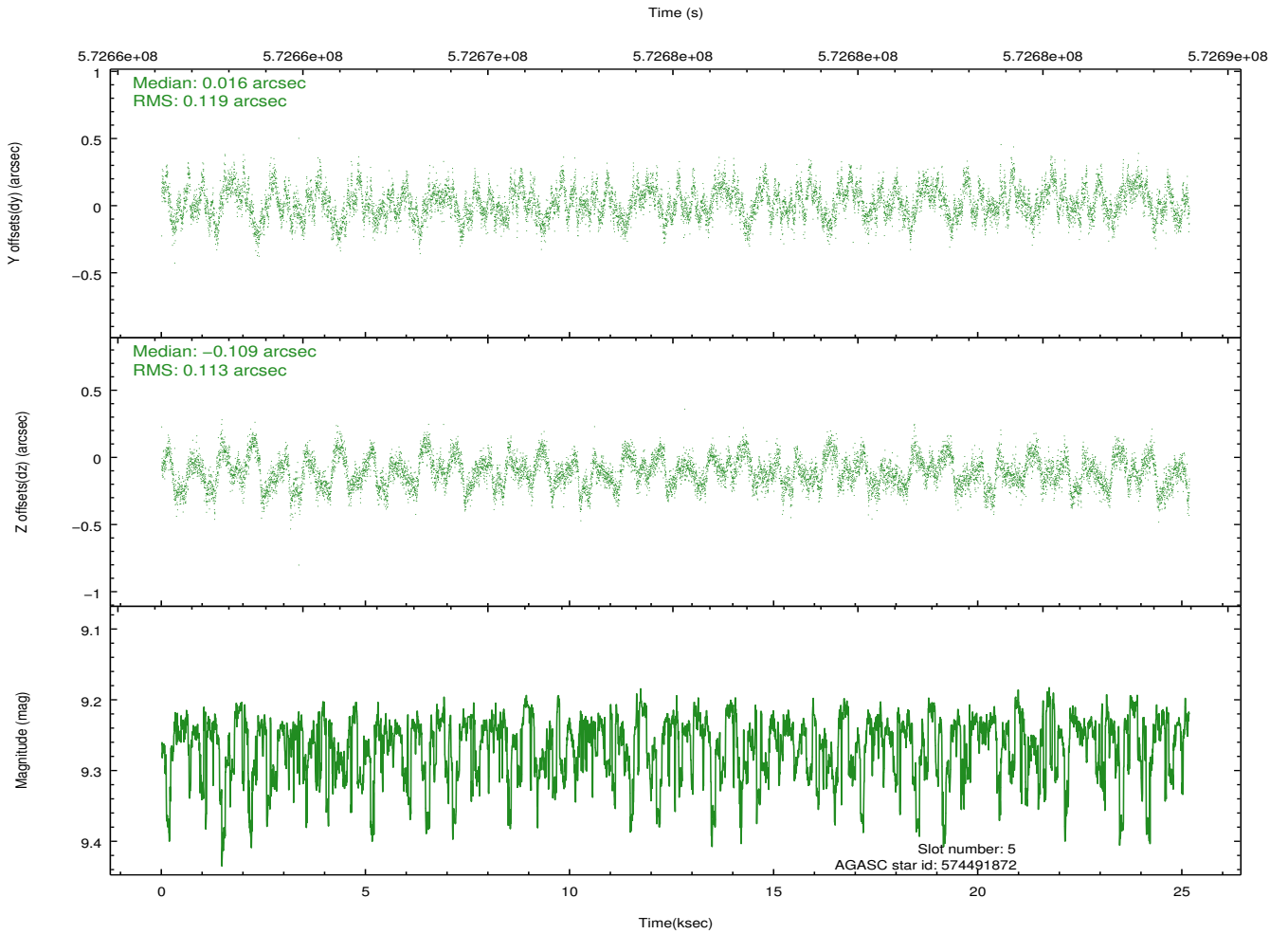
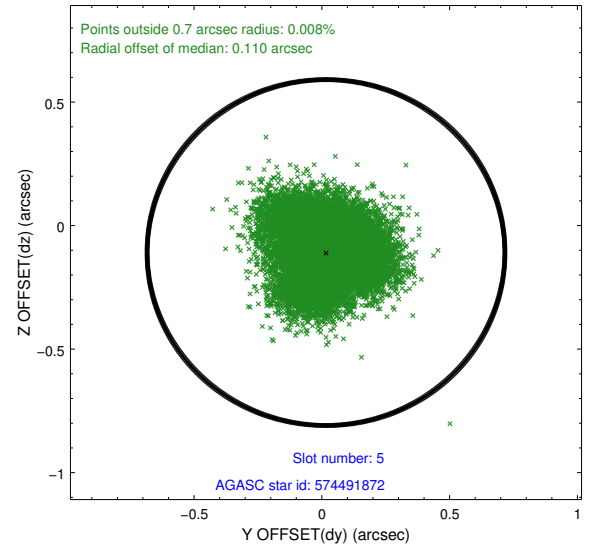
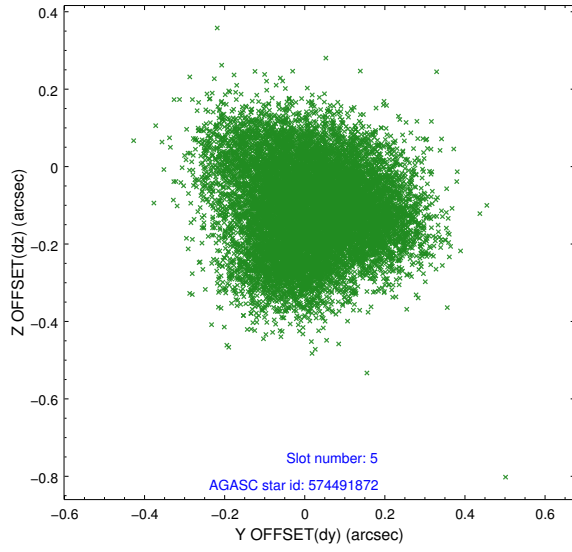
2.4.1 Slot 3



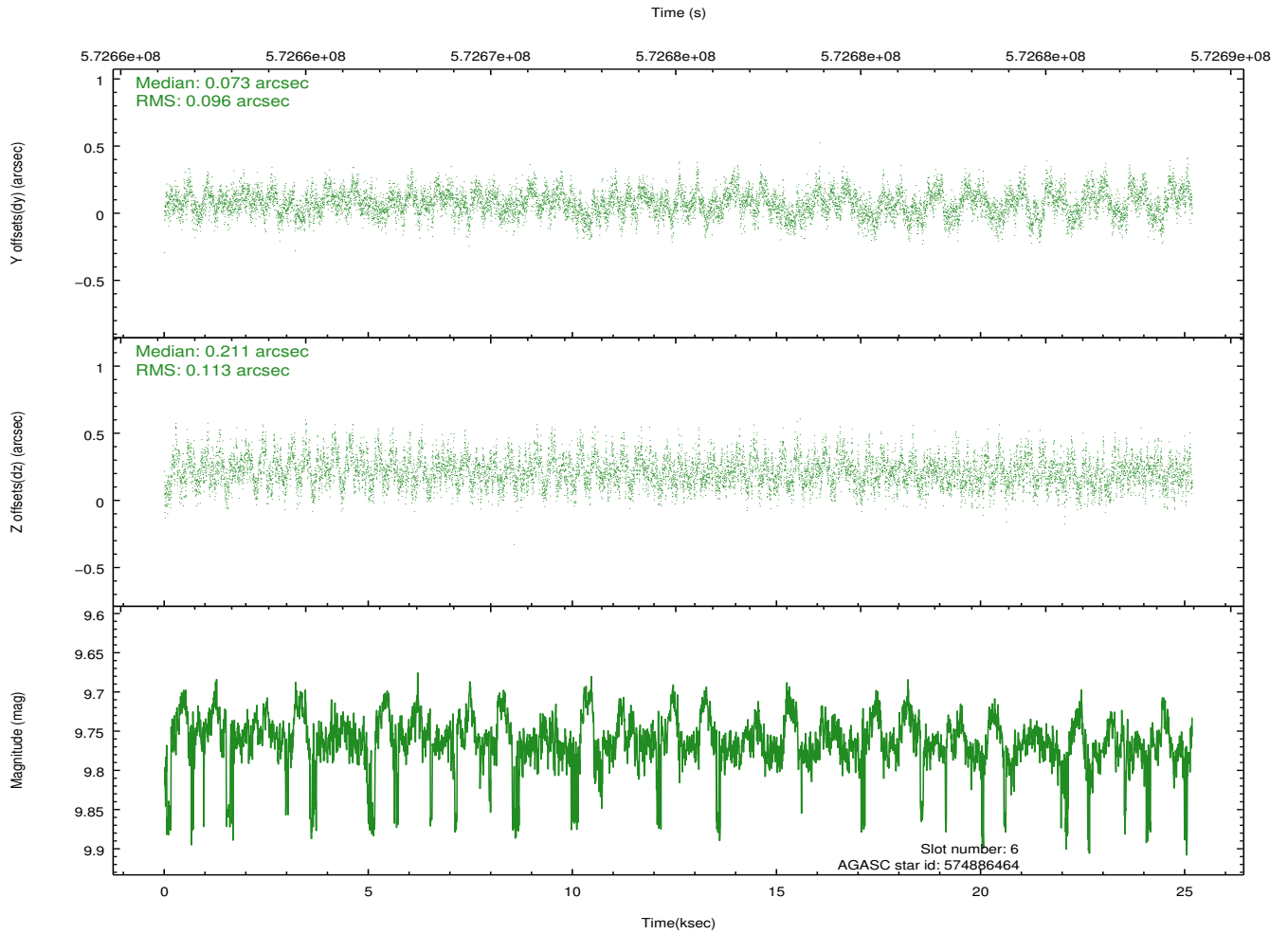
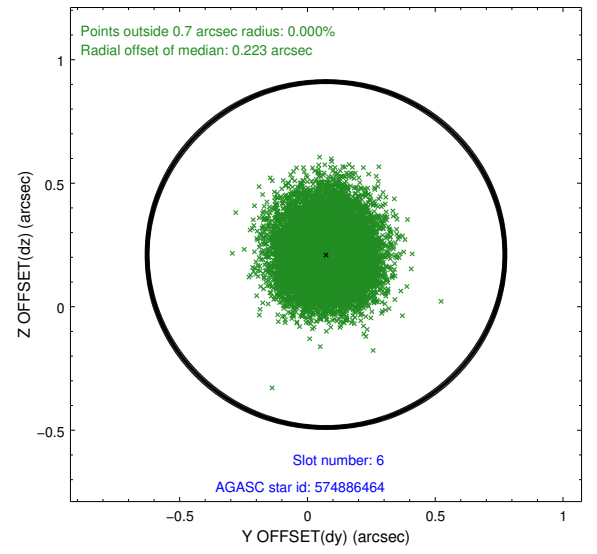
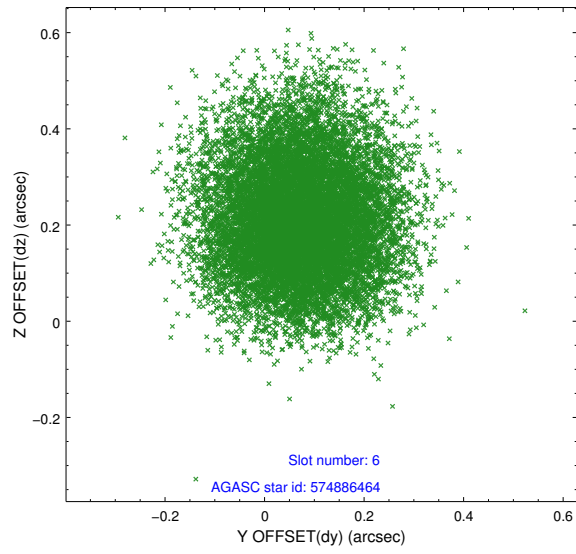
2.4.2 Slot 4



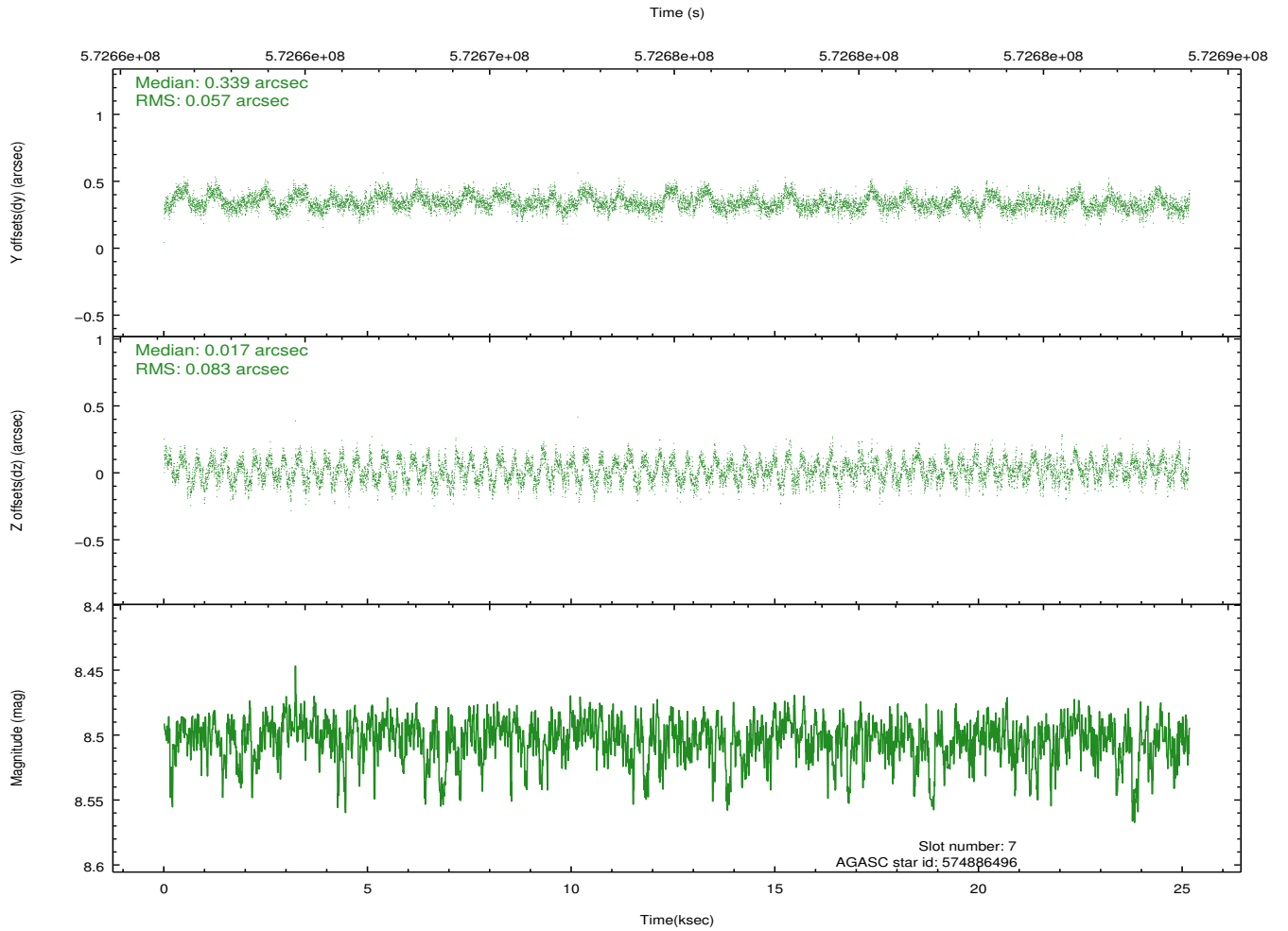
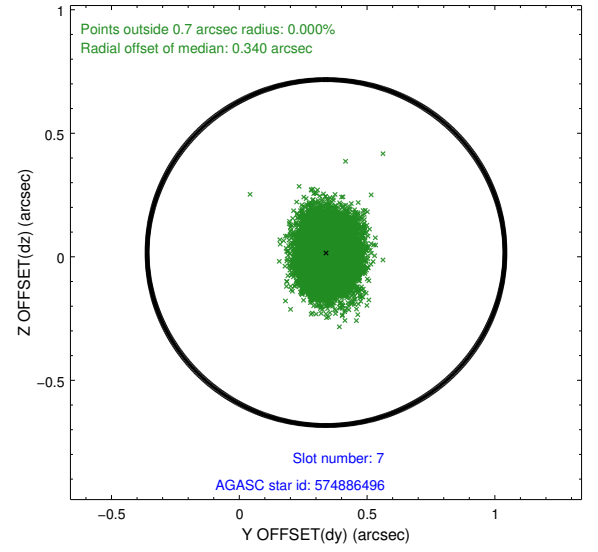
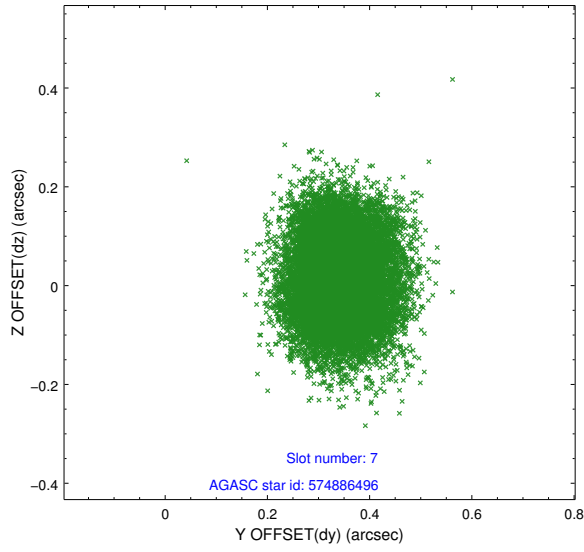
2.4.3 Slot 5



2.4.4 Slot 6

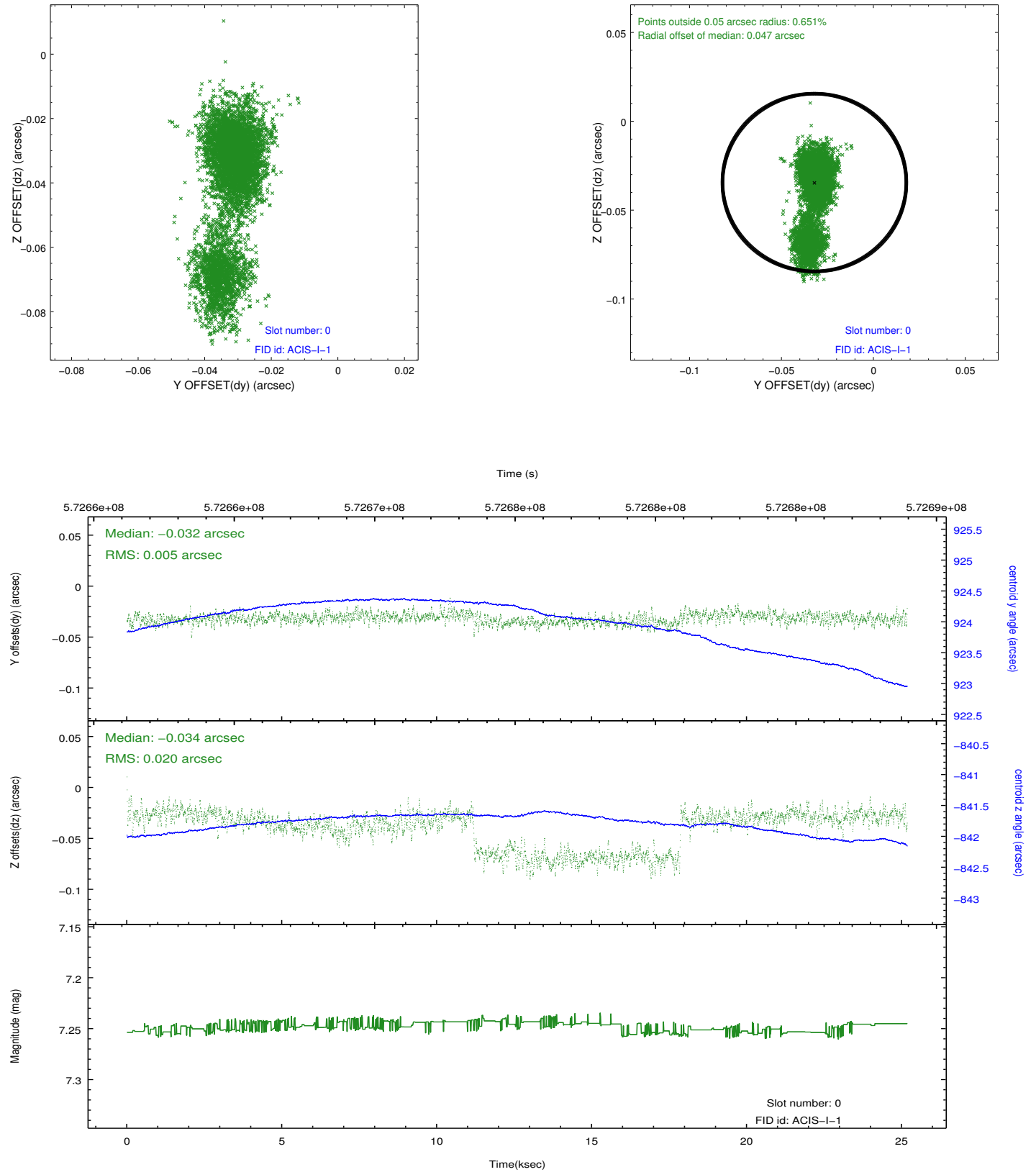


2.4.5 Slot 7

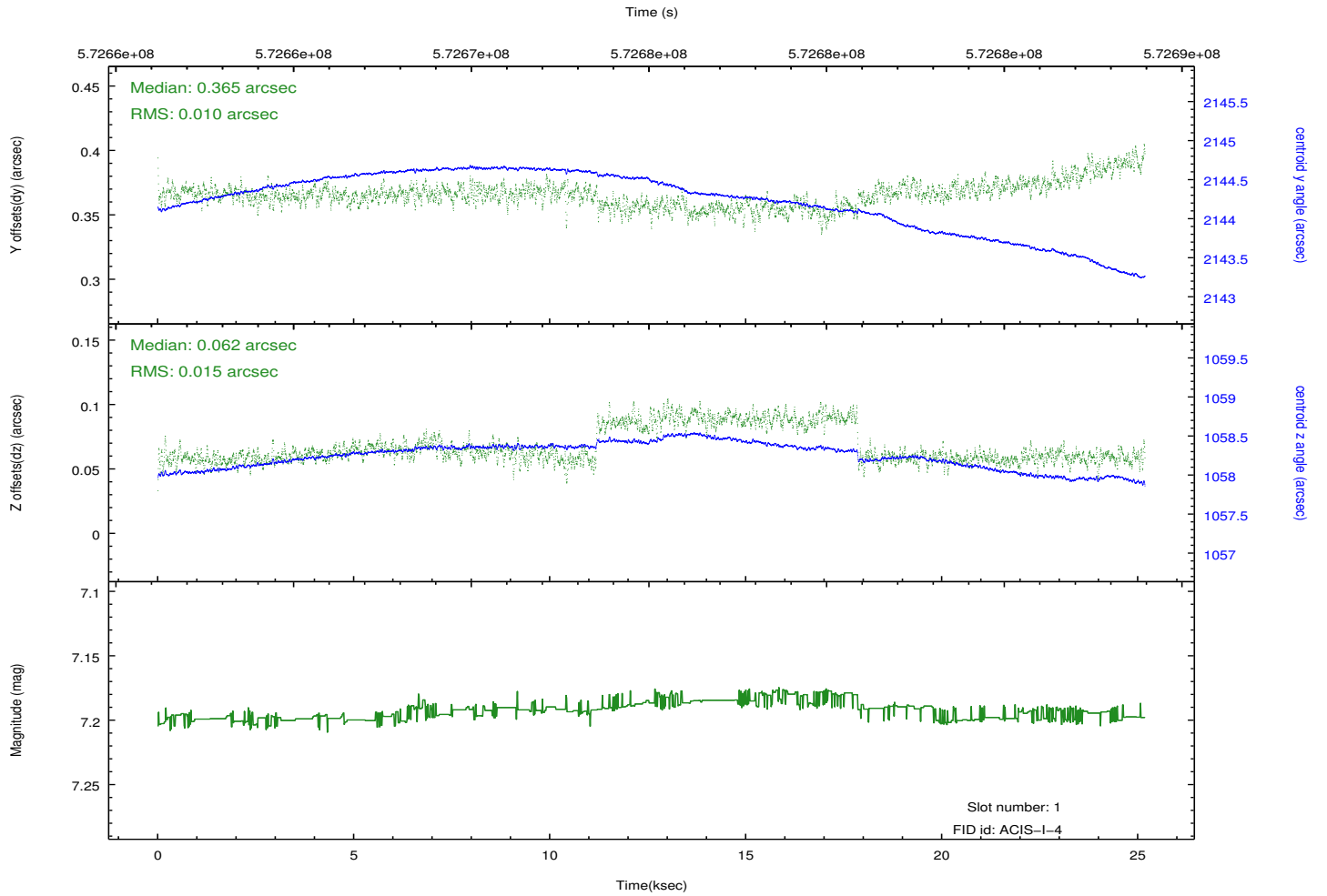
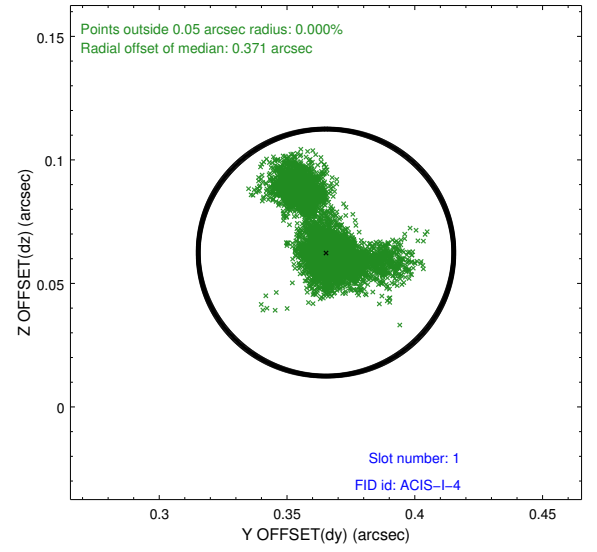
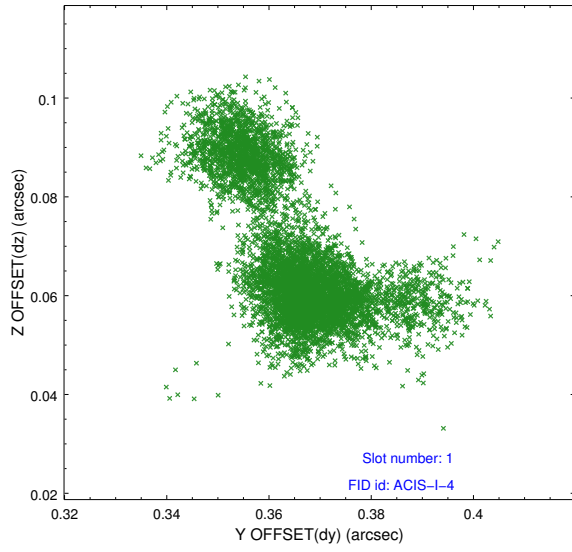


2.5 FID Slots

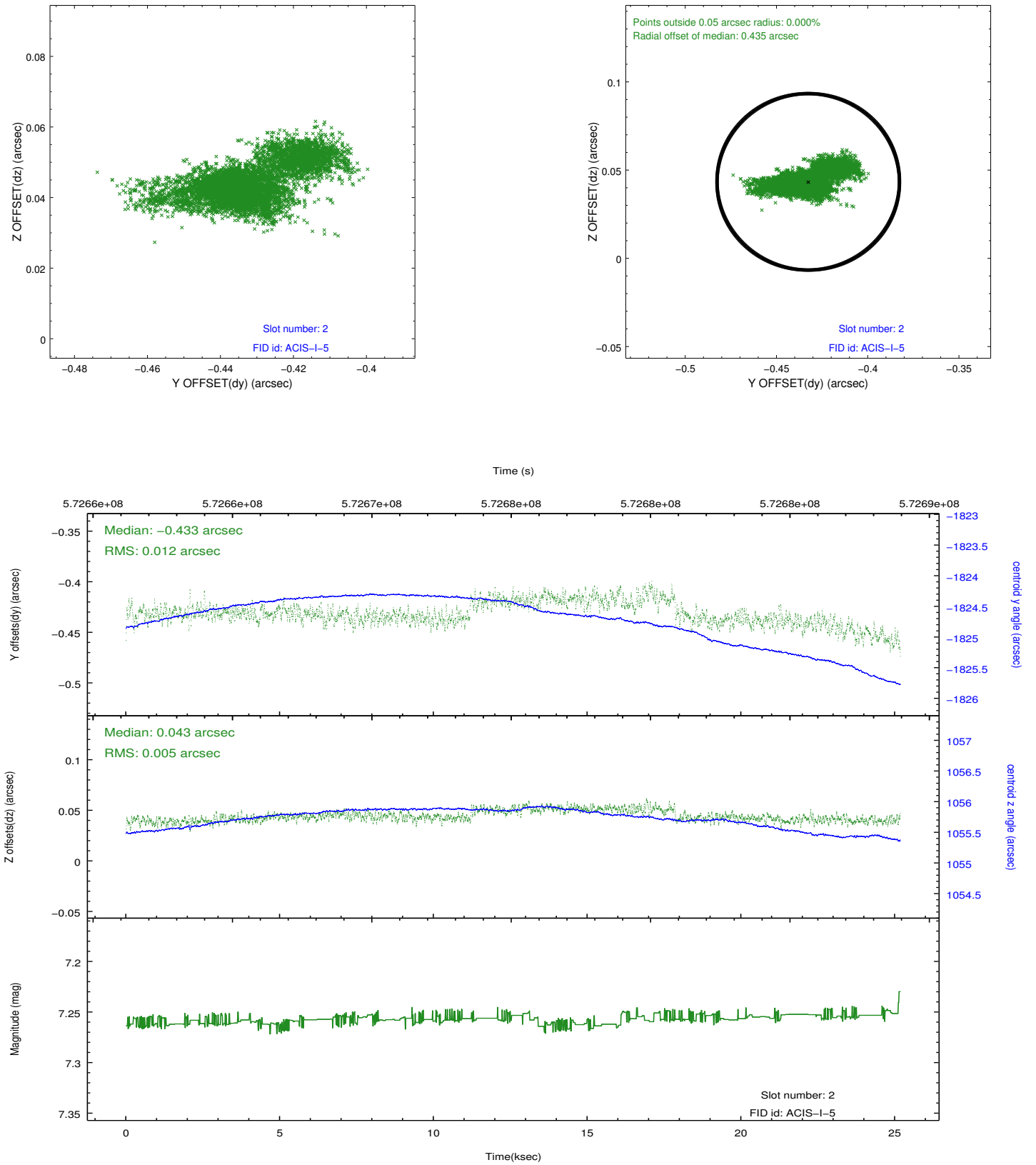
2.5.1 Slot 0



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)	2016.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.0995

A.2 Comments