

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21187 - L2 Version 1
Chandra X-Ray Center

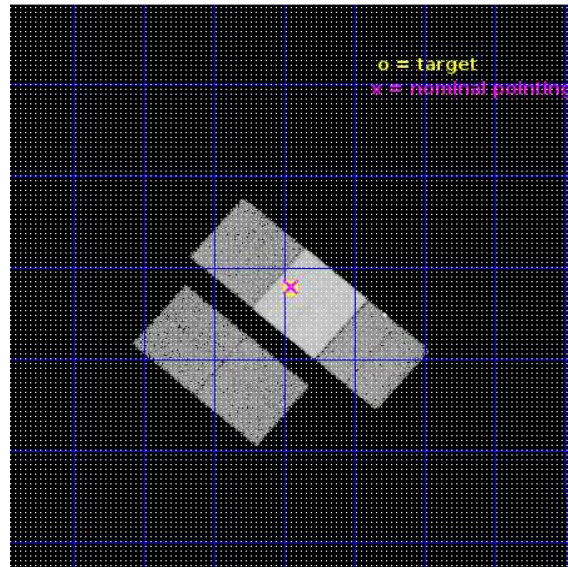
L2 Processing Date : Dec 7 2018

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1 Front

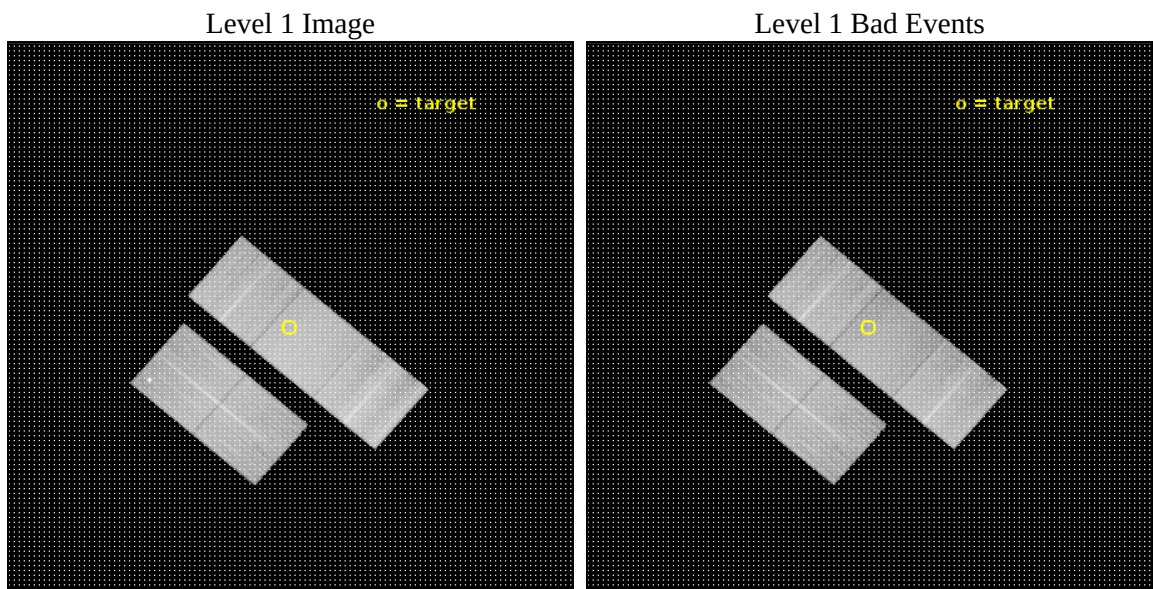
seq_num	201241	Sequence number
obs_id	21187	Observation id
title	Does accretion effect the X-ray emission of Herbig stars?	Proposal
observer	Christian Schneider	Principal investigator
object	HD 244604	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.988333	Observer's specified target RA [deg]
dec_targ	11.294722	Observer's specified target Dec [deg]
ra_nom	82.987599145681	Nominal RA [deg]
dec_nom	11.29890800667	Nominal Dec [deg]
roll_nom	40.513235304259	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25054.200192809	Sum of GTIs [s]
livetime	24726.848622656	Livetime [s]
ontime2	25051.059182405	Sum of GTIs [s]
ontime3	25041.636240721	Sum of GTIs [s]
ontime6	25051.059112549	Sum of GTIs [s]
ontime7	25054.200192809	Sum of GTIs [s]
ontime8	25051.059212565	Sum of GTIs [s]
l2events	176838	Number of level 2 events



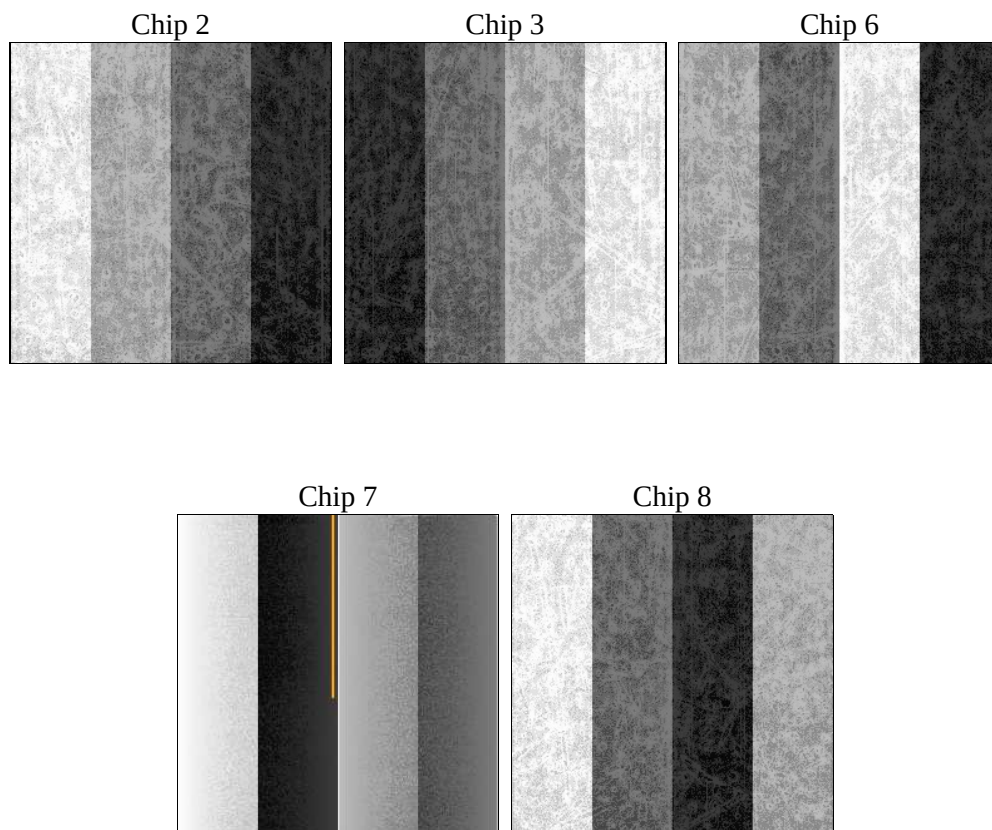
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	25054.200192809	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime2	25051.059182405	Sum of GTIs [s]
date	2018-12-07T10:29:09	Date and time of file creation	ontime3	25041.636240721	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	25051.059112549	Sum of GTIs [s]
			ontime7	25054.200192809	Sum of GTIs [s]
			ontime8	25051.059212565	Sum of GTIs [s]
			l1events	1071212	Number of level 1 events

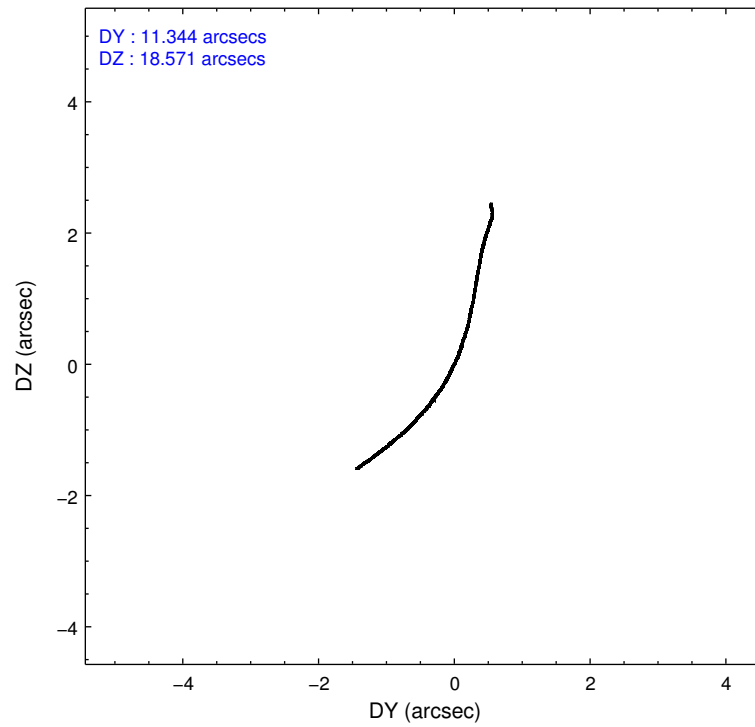
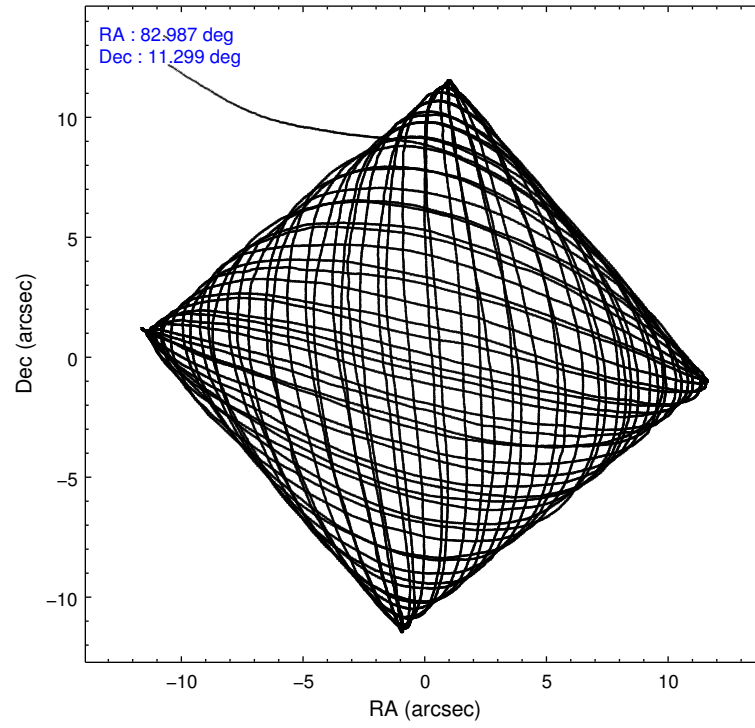
2.1.4 Events

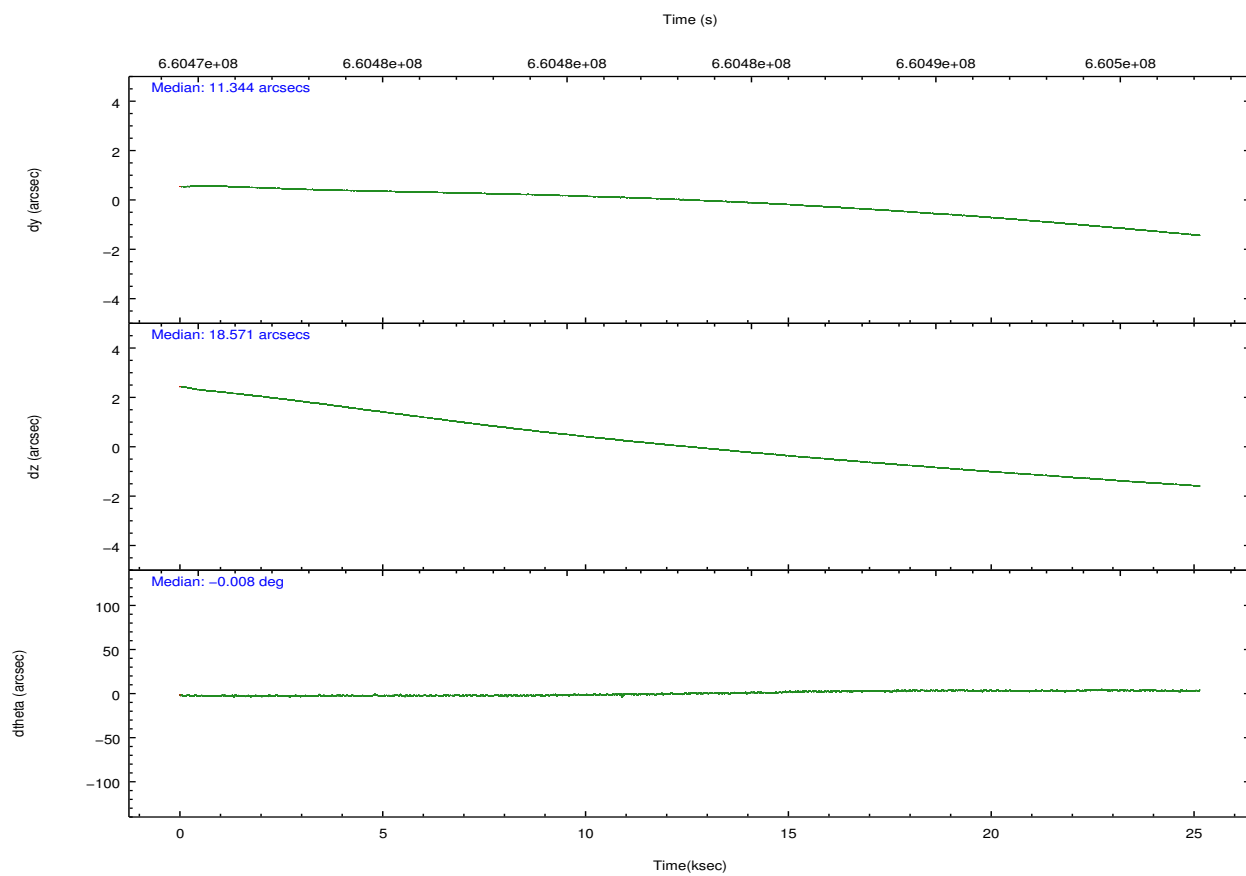
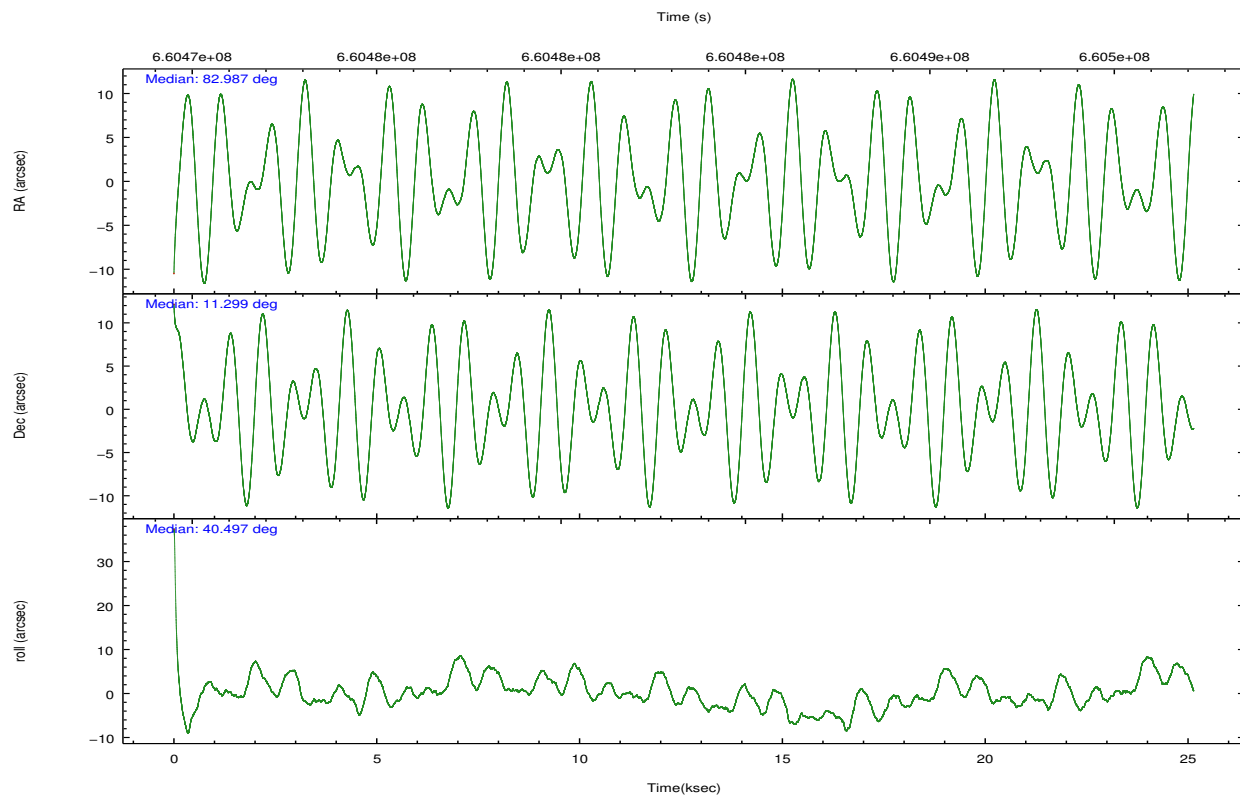
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	190705	188376	193616	245858	252657	grade 0 events	10049	6779	6980	9084	19436
rejected events	167645	168974	172105	139748	183035		5%	3%	3%	3%	7%
rejected %	87%	89%	88%	56%	72%	grade 1 events	152	107	93	343	202
							0%	0%	0%	0%	0%
						grade 2 events	4884	4298	5083	22657	16630
							2%	2%	2%	9%	6%
						grade 3 events	1989	2119	2020	8236	7446
							1%	1%	1%	3%	2%
						grade 4 events	2016	1956	2122	8057	6925
							1%	1%	1%	3%	2%
						grade 5 events	7483	8770	8943	23913	13592
							3%	4%	4%	9%	5%
						grade 6 events	4124	4251	5312	58091	19186
							2%	2%	2%	23%	7%
						grade 7 events	160008	160096	163063	115477	169240
							83%	84%	84%	46%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	82.978619	82.98759914568124	CCD I2 on	O1	Y
[deg] Pointing Dec	11.272901	11.29890800666974	CCD I3 on	Y	Y
[deg] Pointing Roll	40.358348	40.51323530425893	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	660470913.184000	660469570.29237	CCD S5 on	N	N
Observation start date	2018-12-06T08:07:24	2018-12-06T07:46:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	660495913.184000	660496770.71899	On-chip summing requested	N	N
Observation end date	2018-12-06T15:04:04	2018-12-06T15:19:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



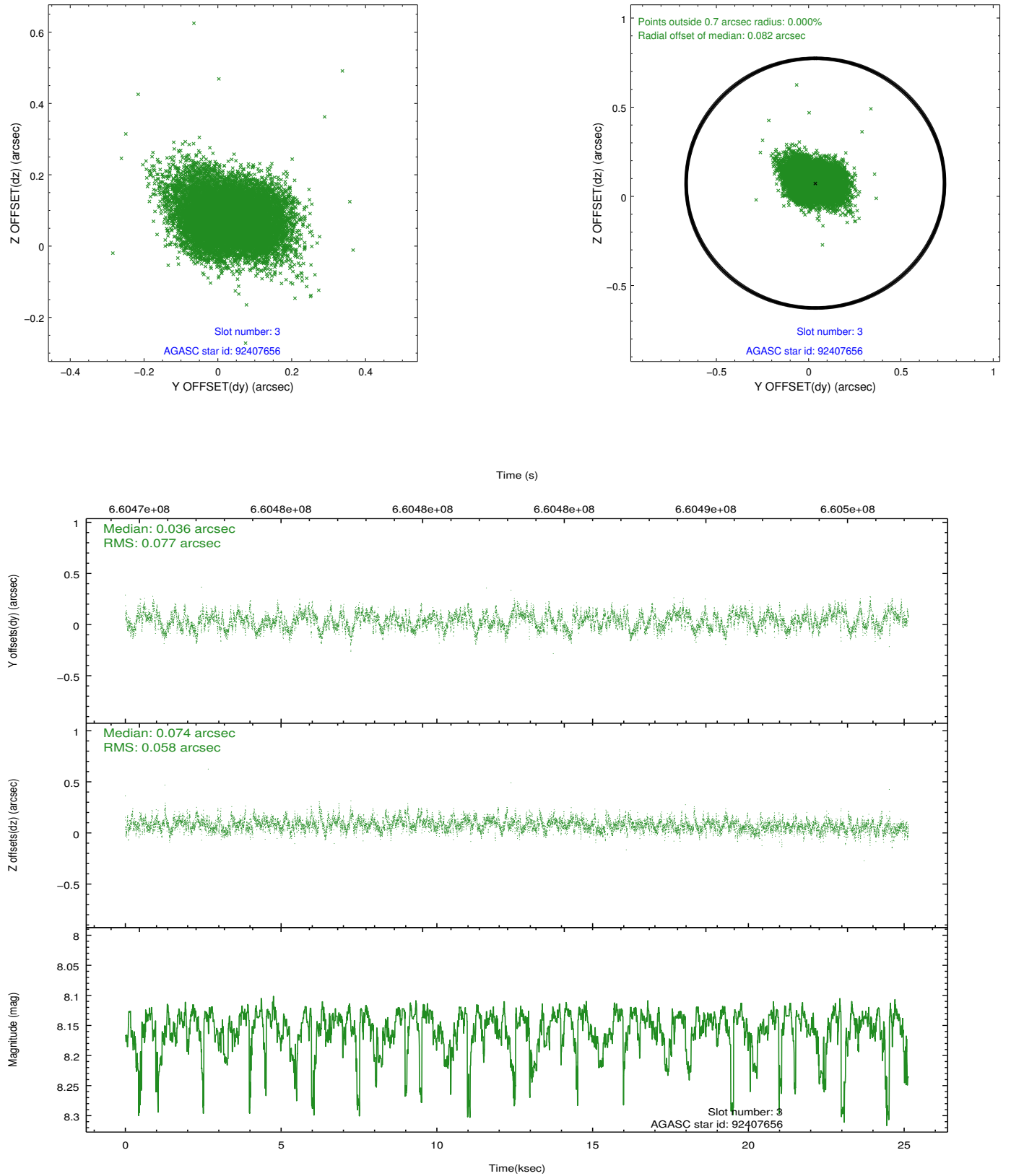


Slot Statistics

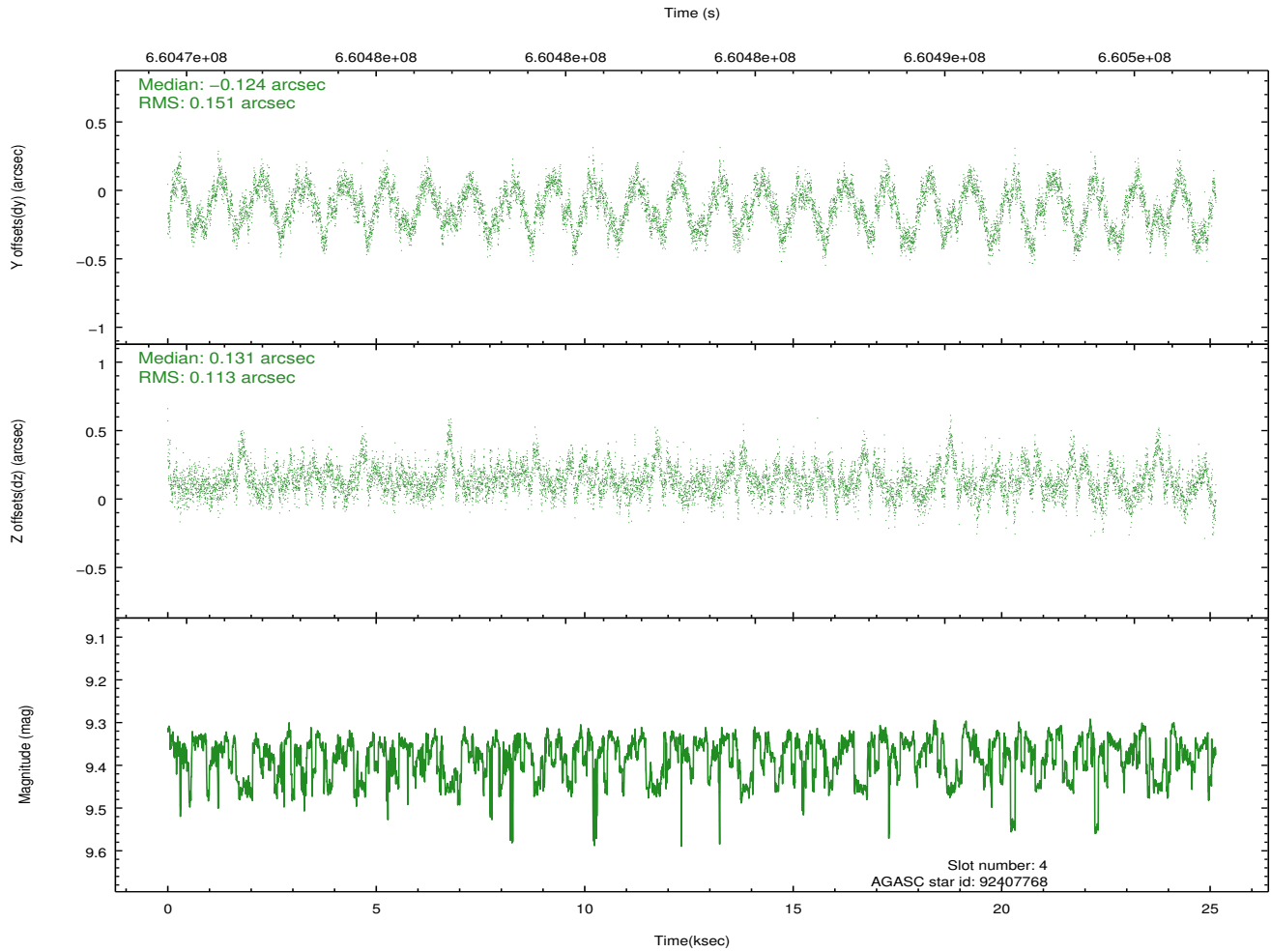
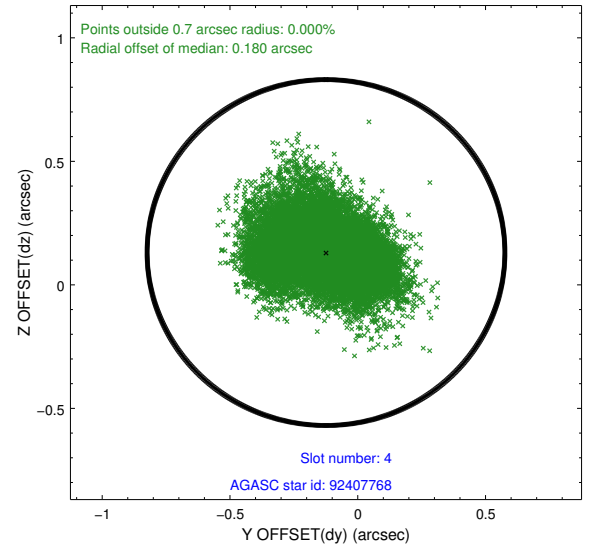
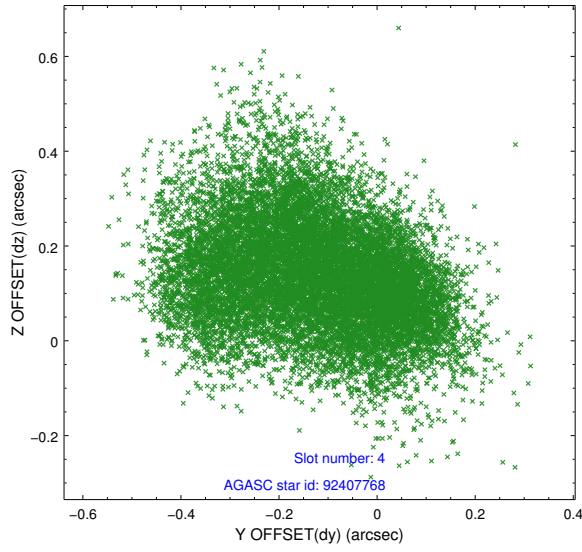
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.12	6132	1.000	0.142	-0.055	0.029	0.044	0.000000	0.000000	932.21	-1735
1	FID		ACIS-S-5	7.13	6132	1.000	-0.416	0.048	0.017	0.033	0.000000	0.000000	-1817.36	161
2	FID		ACIS-S-6	7.28	6132	1.000	0.249	0.018	0.032	0.066	0.000000	0.000000	397.63	805
3	GUIDE	used	92407656	8.15	12260	1.000	0.036	0.074	0.101	0.166	83.295136	11.202278	688.19	-916
4	GUIDE	used	92407768	9.38	12254	1.000	-0.124	0.131	0.205	0.312	83.434372	10.989989	569.65	-1817
5	GUIDE	used	92410408	9.49	12241	1.000	0.208	-0.074	0.262	0.405	83.722493	11.167737	1760.46	-1987
6	GUIDE	used	92409944	9.13	12248	1.000	0.175	0.311	0.159	0.246	83.014748	11.244008	30.84	-161
7	GUIDE	used	92932664	8.95	12253	1.000	-0.312	-0.459	0.140	0.219	83.059813	11.914703	1714.11	1575

2.4 Star Slots

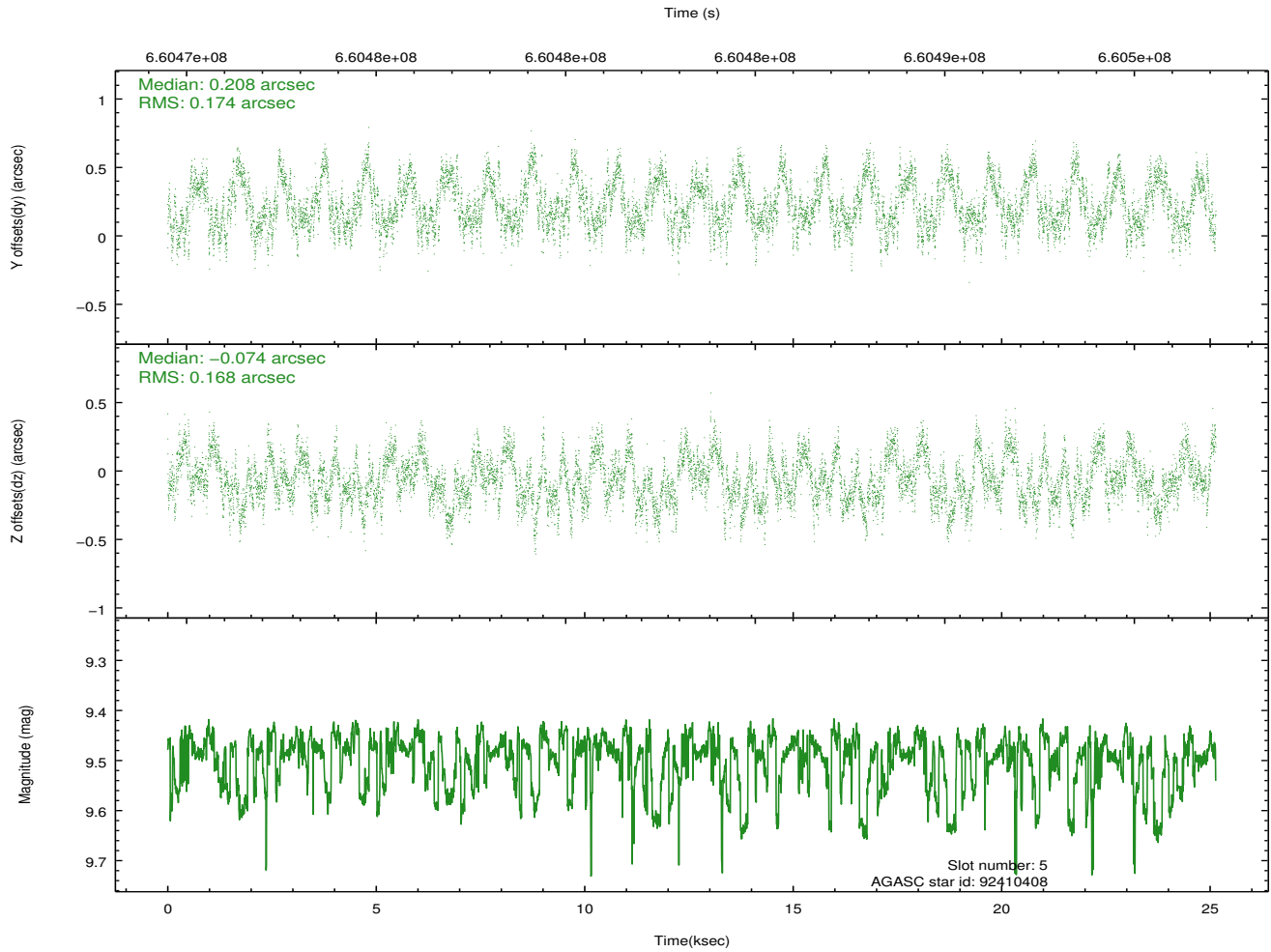
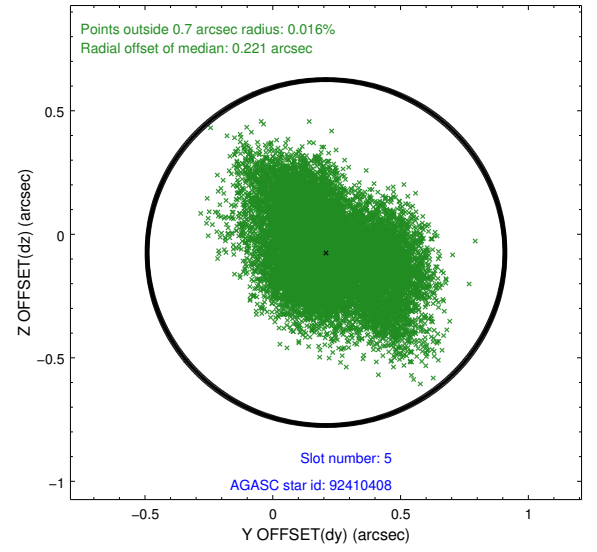
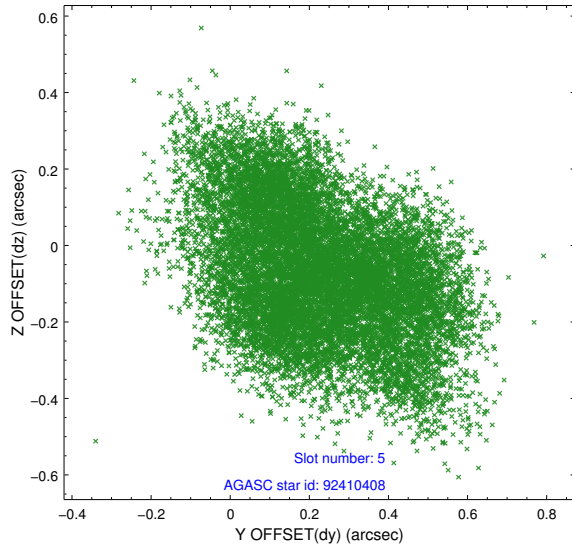
2.4.1 Slot 3



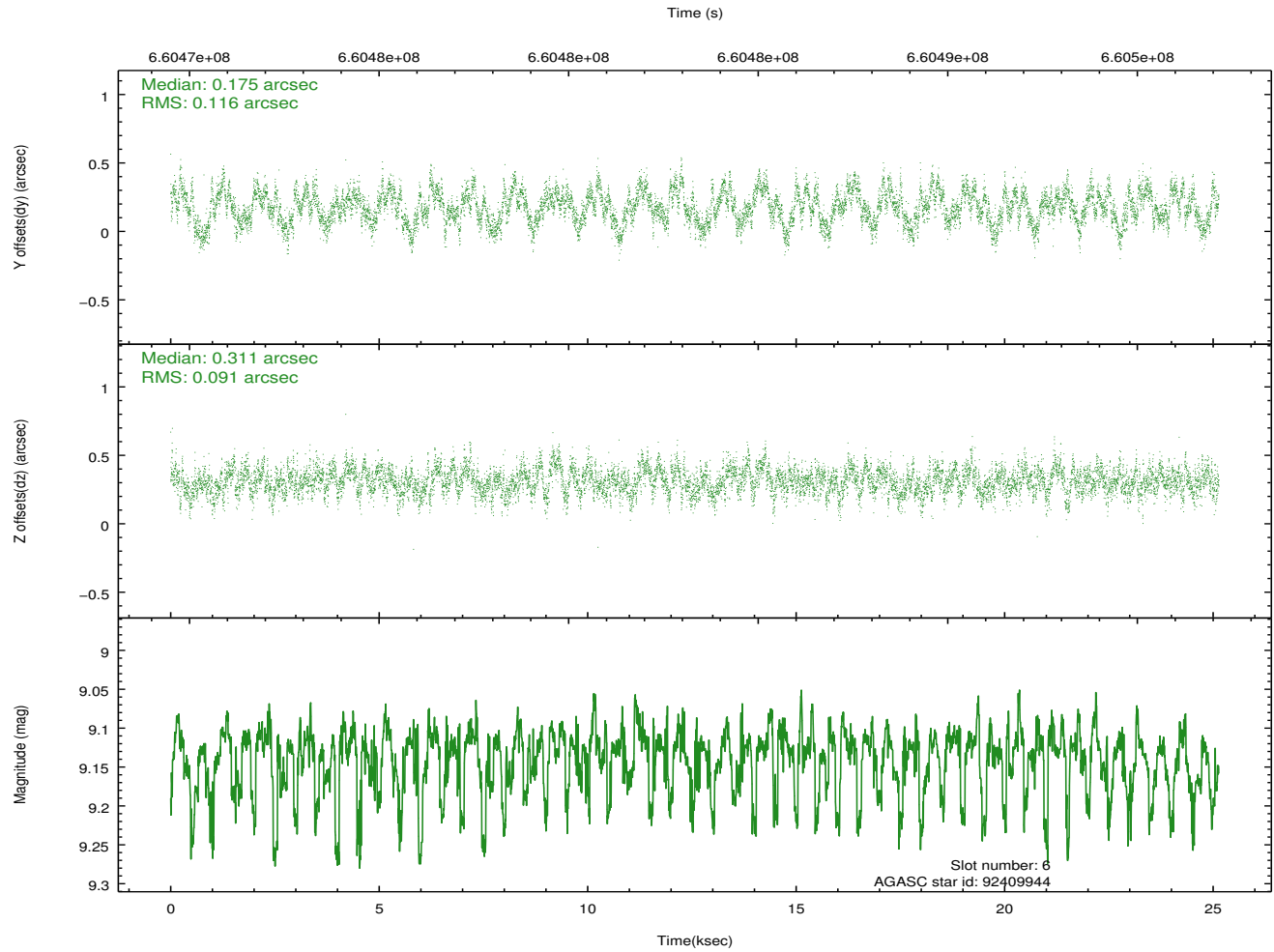
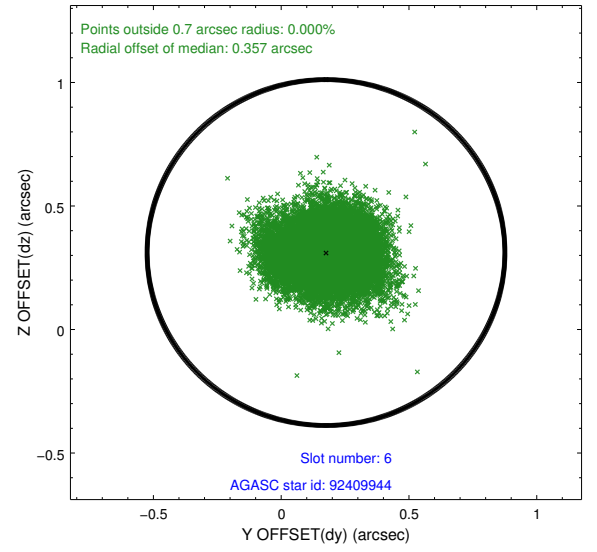
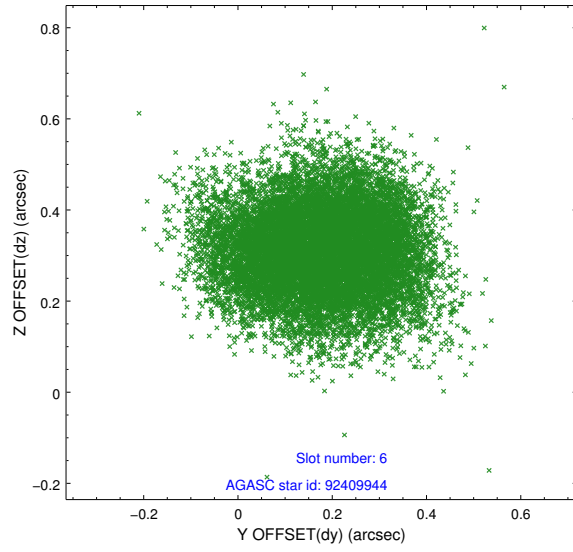
2.4.2 Slot 4



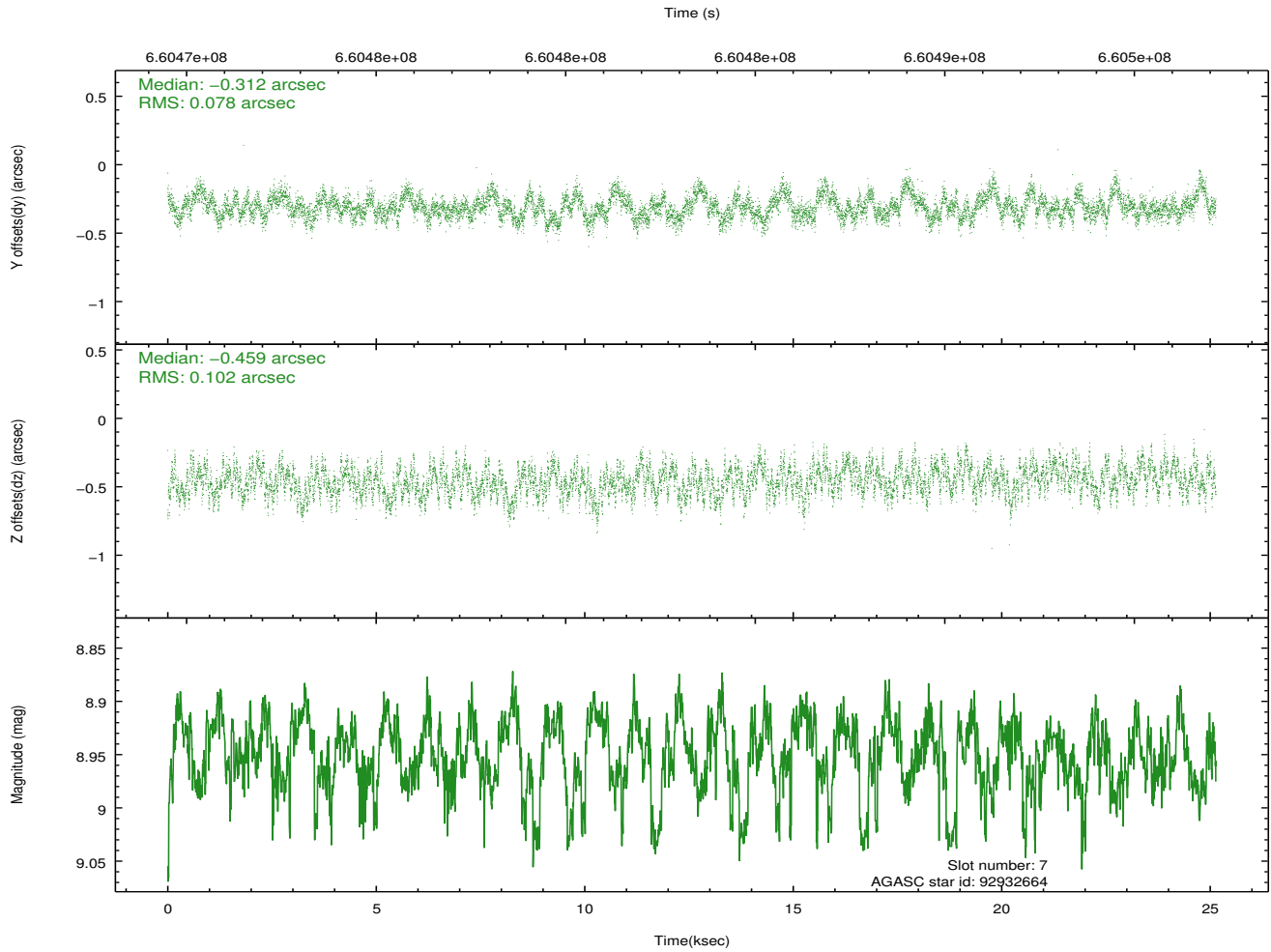
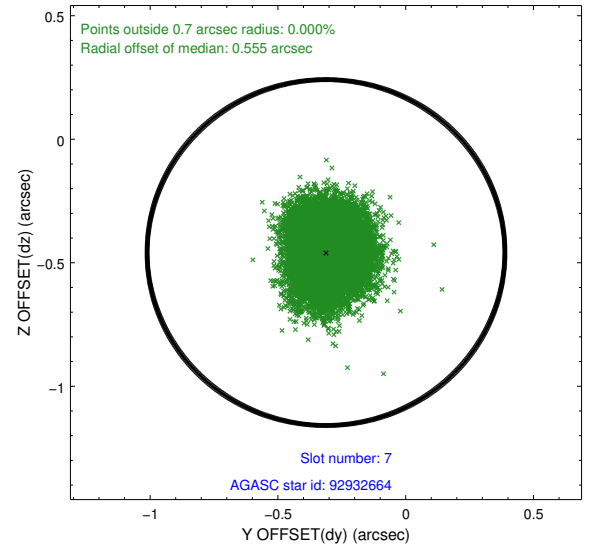
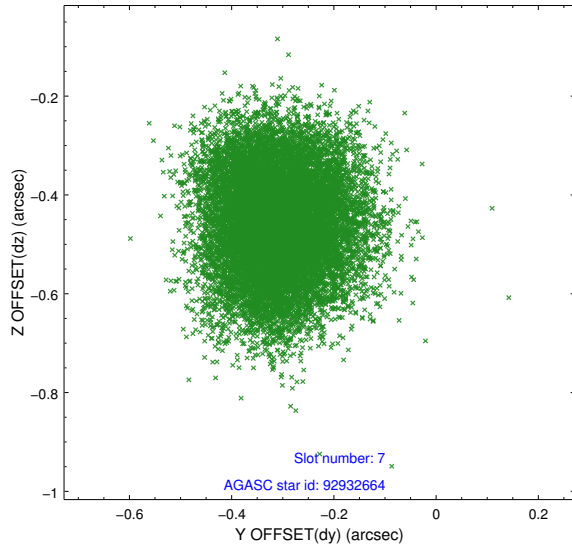
2.4.3 Slot 5



2.4.4 Slot 6

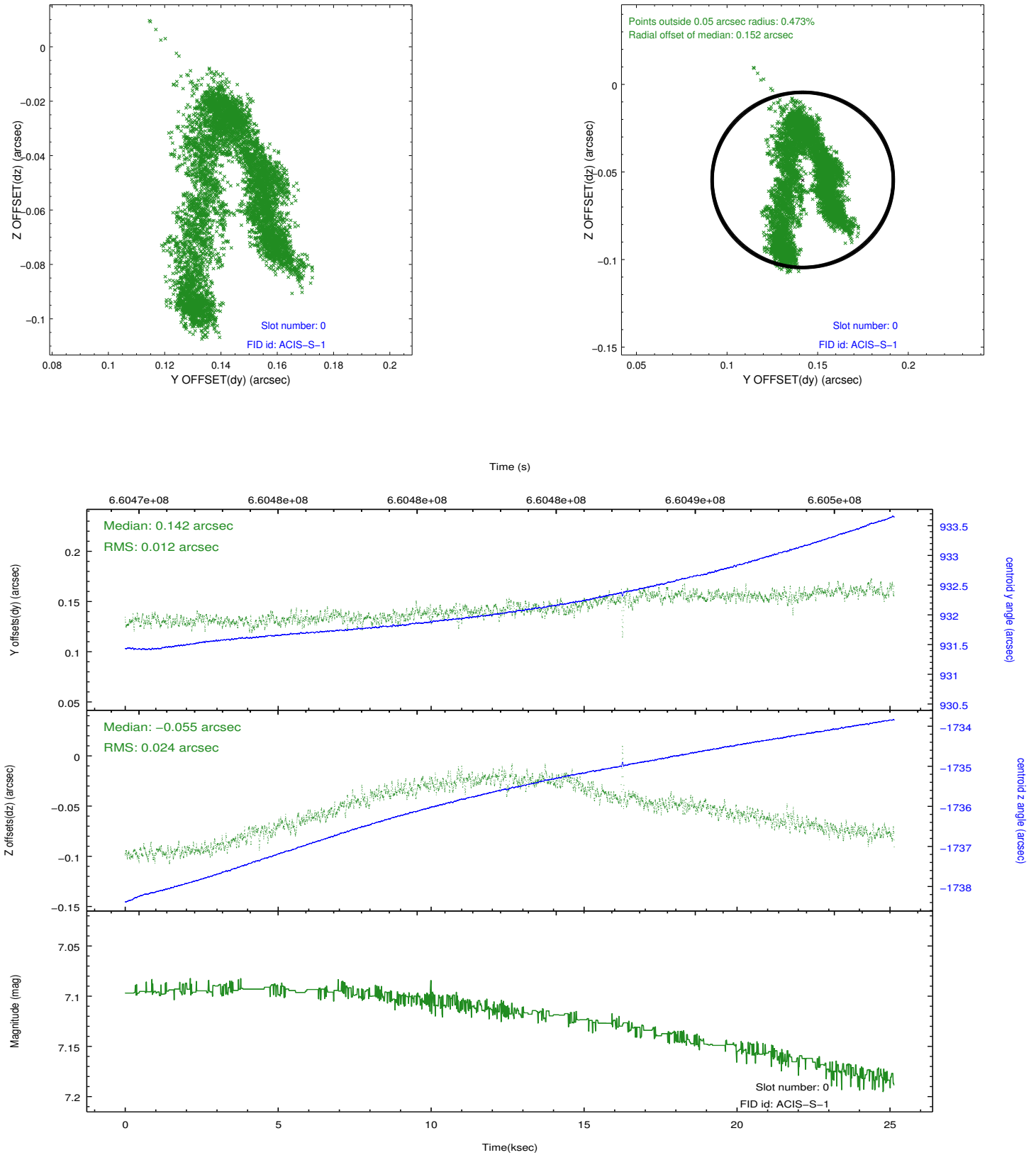


2.4.5 Slot 7

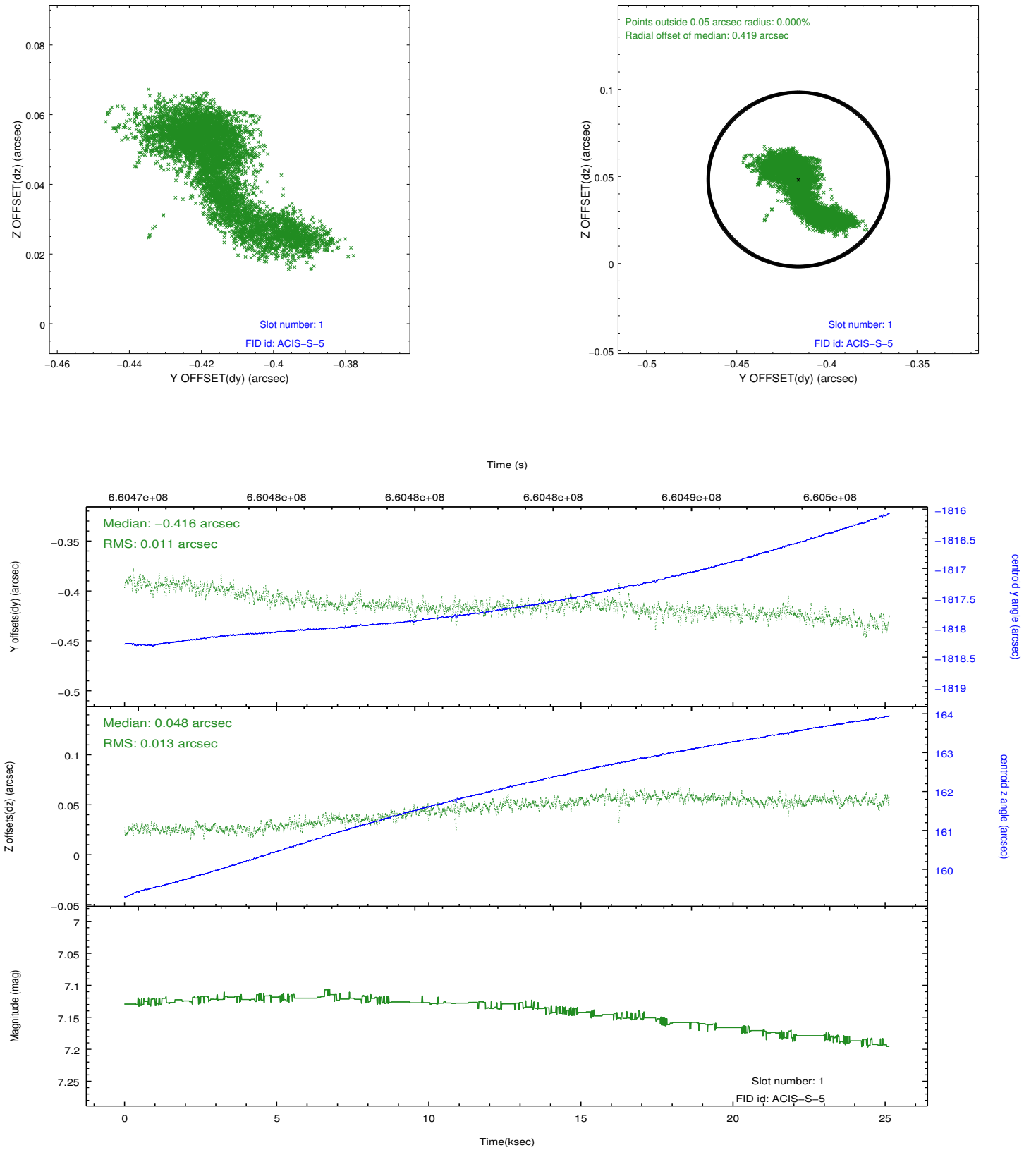


2.5 FID Slots

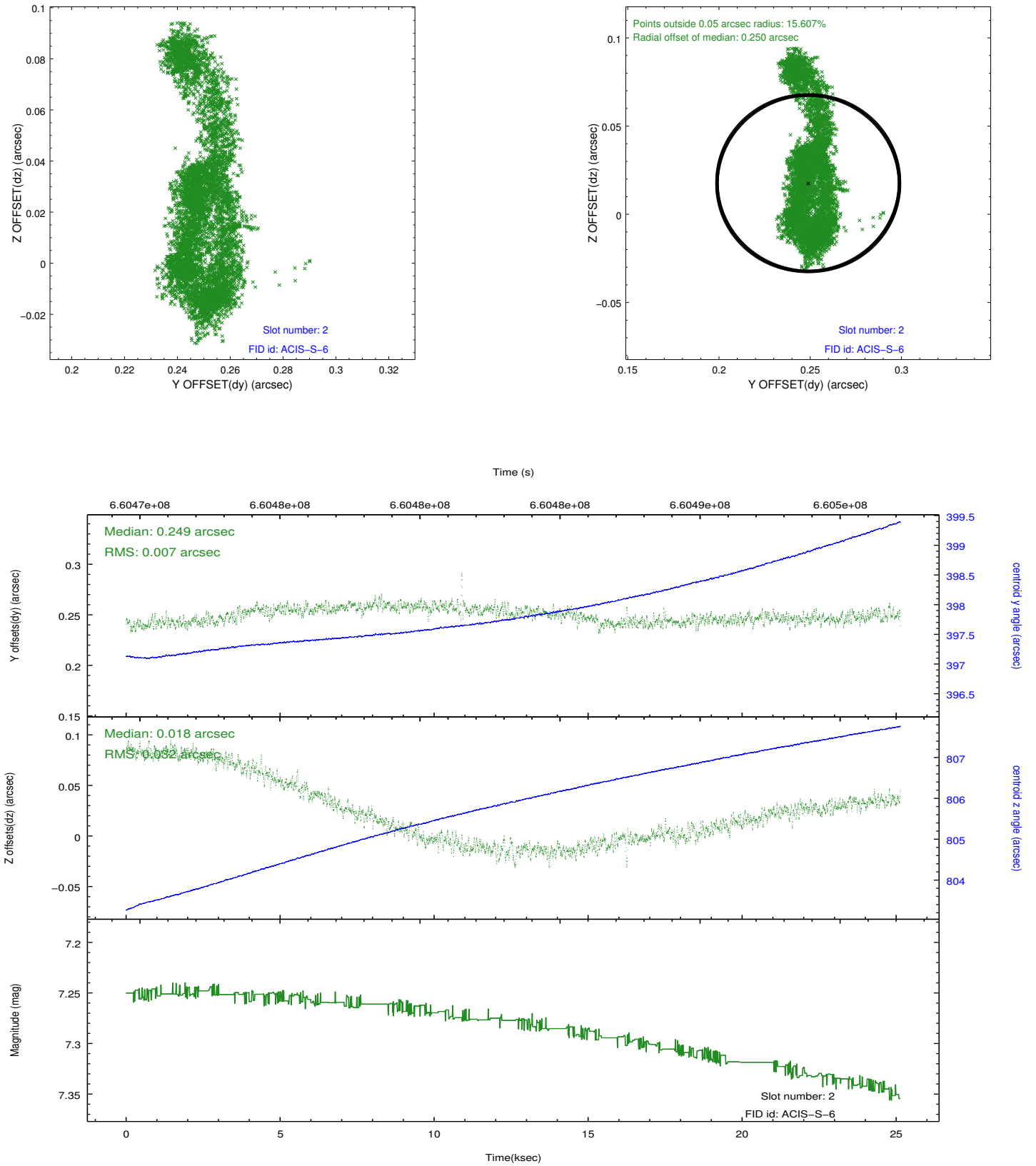
2.5.1 Slot 0



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)	2018.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.054200192809

A.2 Comments