

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21430 - L2 Version 1
Chandra X-Ray Center

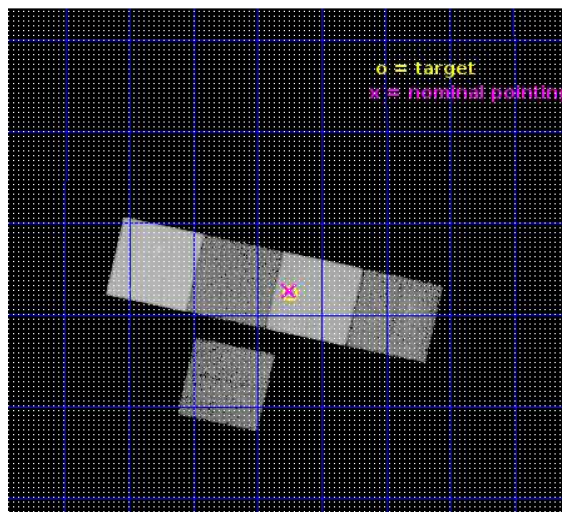
L2 Processing Date : Dec 11 2018

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1 Front

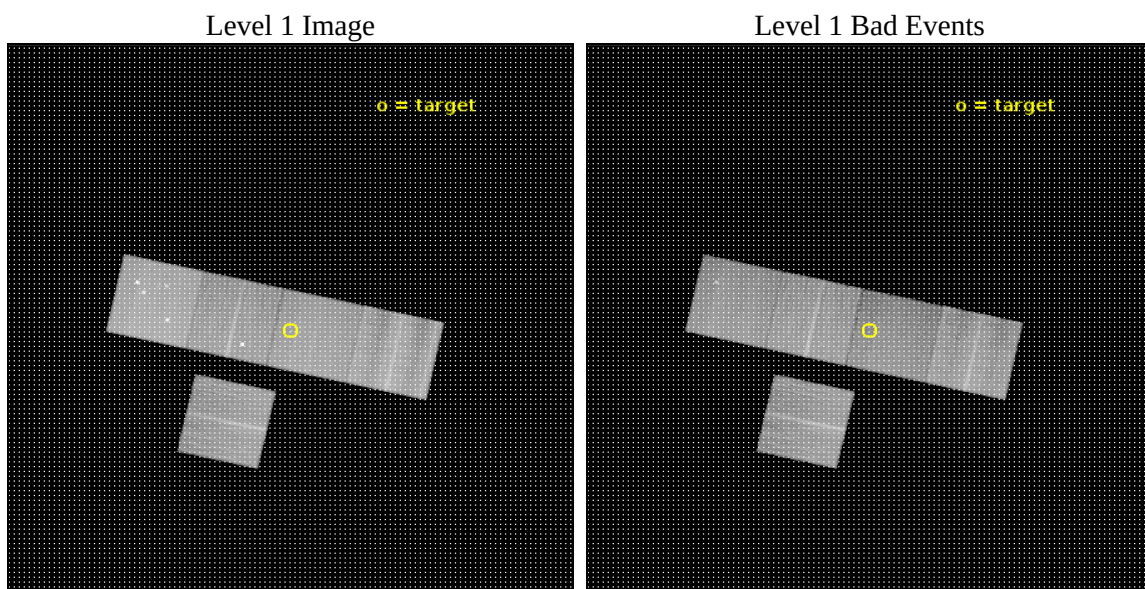
seq_num	703727	Sequence number
obs_id	21430	Observation id
title	The Nature of MaNGA Galaxies with Off-nuclear Seyfert Regions	Prop
observer	Julia Comerford	Principal investigator
object	SDSS J163014.63+261223.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.560833	Observer's specified target RA [deg]
dec_targ	26.206472	Observer's specified target Dec [deg]
ra_nom	247.56313887371	Nominal RA [deg]
dec_nom	26.211054800978	Nominal Dec [deg]
roll_nom	12.547691570571	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30097.617580414	Sum of GTIs [s]
livetime	29704.370049182	Livetime [s]
ontime2	30097.453420401	Sum of GTIs [s]
ontime5	30097.57654047	Sum of GTIs [s]
ontime6	30094.394530058	Sum of GTIs [s]
ontime7	30097.617580414	Sum of GTIs [s]
ontime8	30091.212589622	Sum of GTIs [s]
l2events	308489	Number of level 2 events



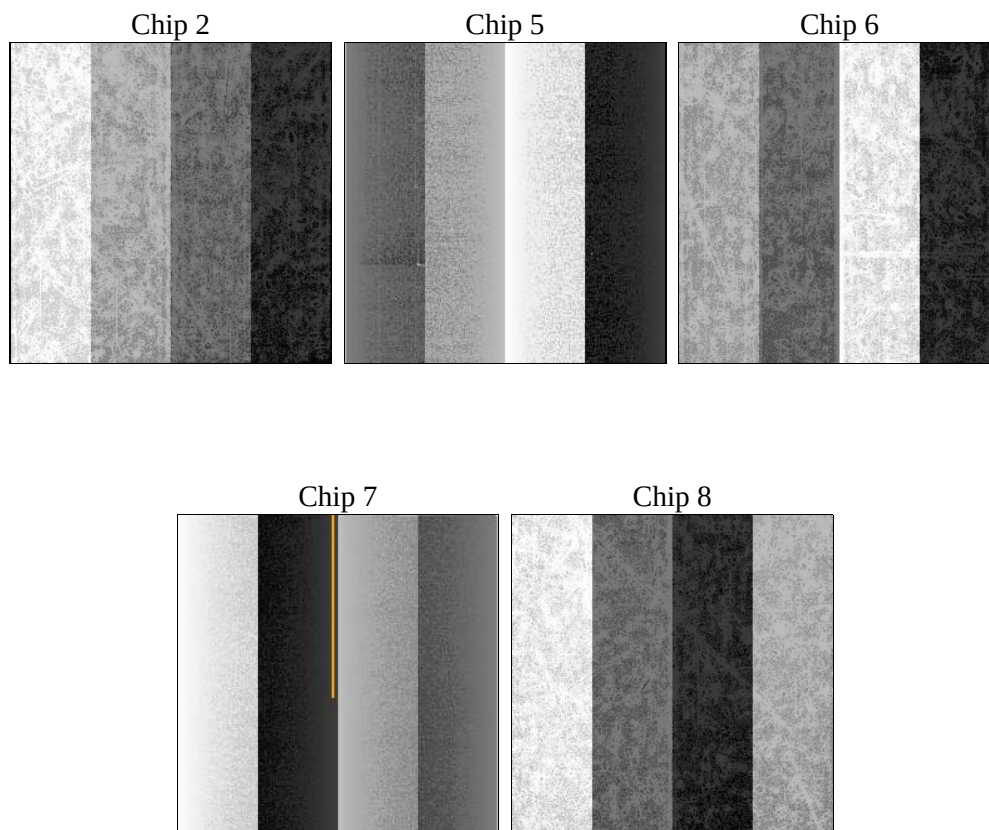
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	30097.617580414	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime2	30097.453420401	Sum of GTIs [s]
date	2018-12-12T02:37:53	Date and time of file creation	ontime5	30097.57654047	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	30094.394530058	Sum of GTIs [s]
			ontime7	30097.617580414	Sum of GTIs [s]
			ontime8	30091.212589622	Sum of GTIs [s]
			l1events	1219799	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	205394	312838	212210	224307	265050
rejected events	183306	144785	179925	117599	186774
rejected %	89%	46%	84%	52%	70%

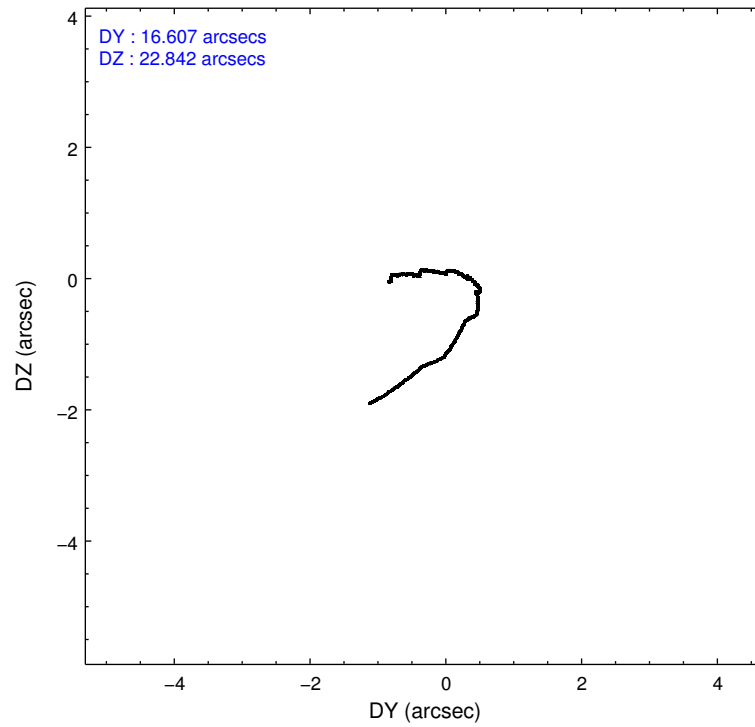
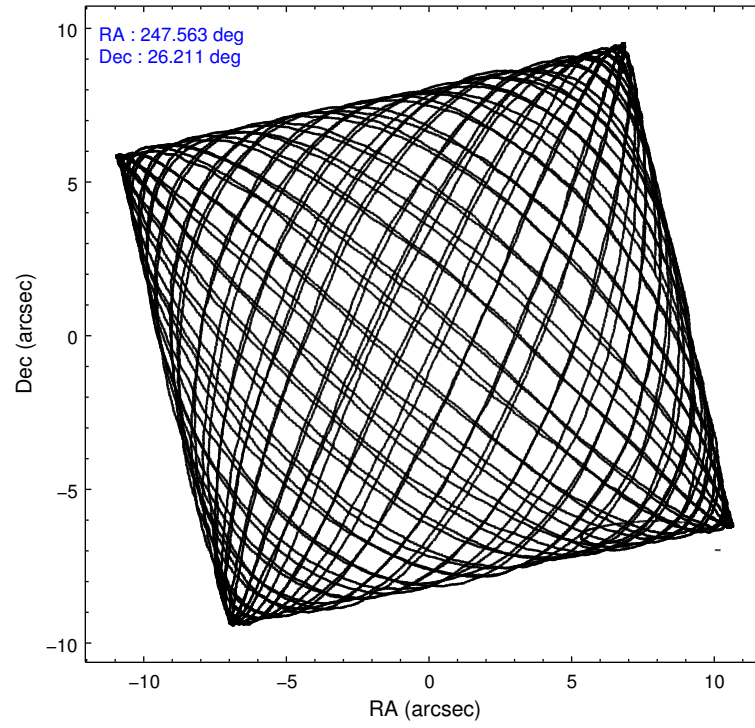
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8224	23421	17313	10271	21585
	4%	7%	8%	4%	8%
grade 1 events	101	1085	157	378	249
	0%	0%	0%	0%	0%
grade 2 events	5780	54467	5499	24256	19394
	2%	17%	2%	10%	7%
grade 3 events	2086	5177	2262	8749	8334
	1%	1%	1%	3%	3%
grade 4 events	2141	5090	2220	8862	7775
	1%	1%	1%	3%	2%
grade 5 events	6628	21959	8203	23184	13119
	3%	7%	3%	10%	4%
grade 6 events	3861	79933	4995	54596	21196
	1%	25%	2%	24%	7%
grade 7 events	176573	121706	171561	94011	173398
	85%	38%	80%	41%	65%

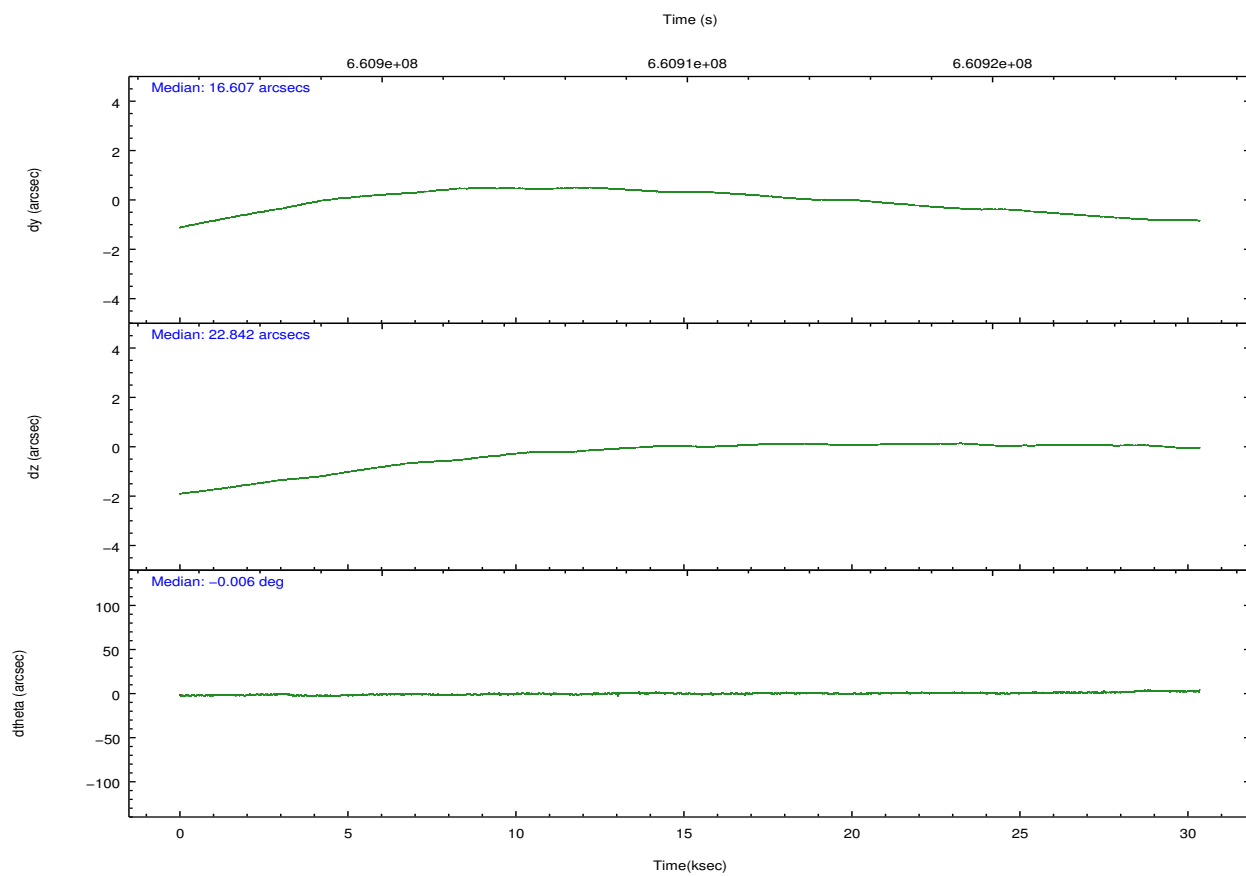
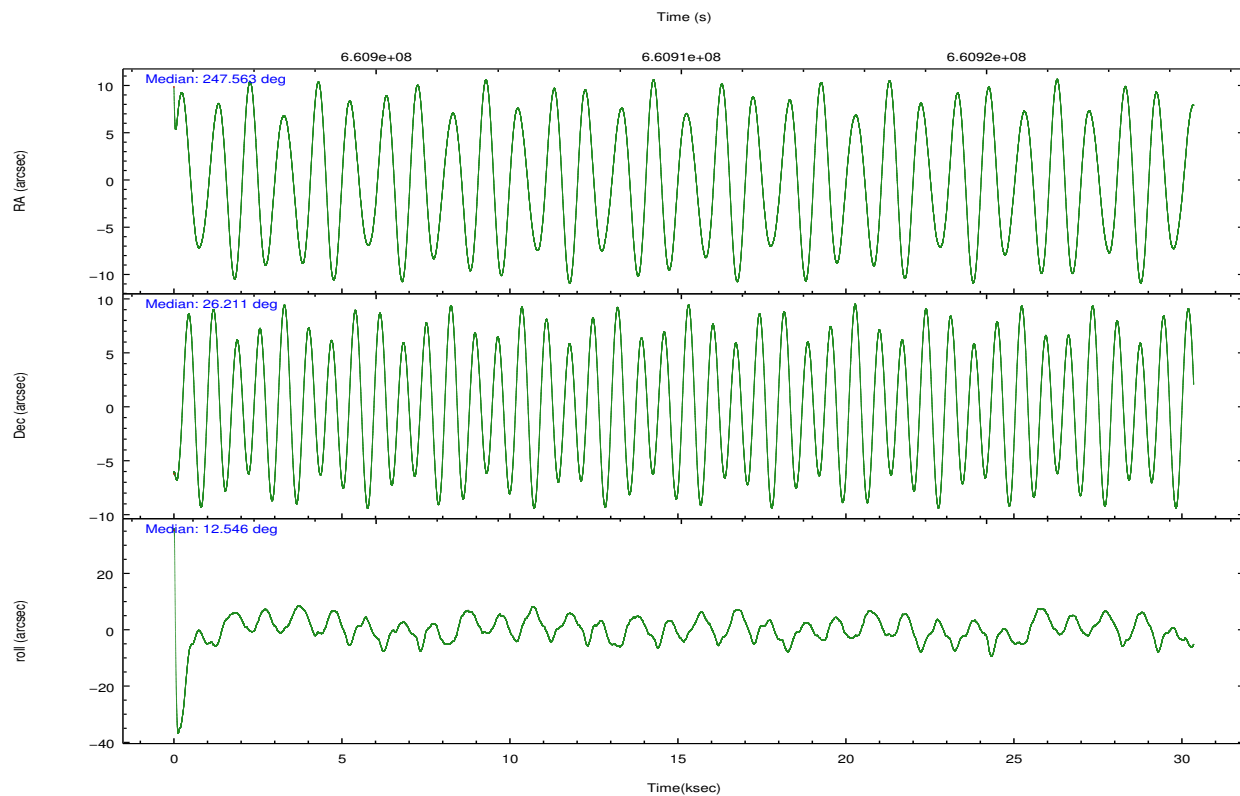
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-25678	ACIS-25678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	247.540860	247.563138873707
[deg] Pointing Dec	26.192232	26.21105480097818
[deg] Pointing Roll	12.400866	12.54769157057101
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	660895266.184000	660894205.2676899
Observation start date	2018-12-11T05:59:57	2018-12-11T05:43:25
[s] Observation end time (MET)	660925266.184000	660926658.30712
Observation end date	2018-12-11T14:19:57	2018-12-11T14:44:18
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	N	N
CCD S0 on	N	N
CCD S1 on	O2	Y
CCD S2 on	O4	Y
CCD S3 on	Y	Y
CCD S4 on	O3	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



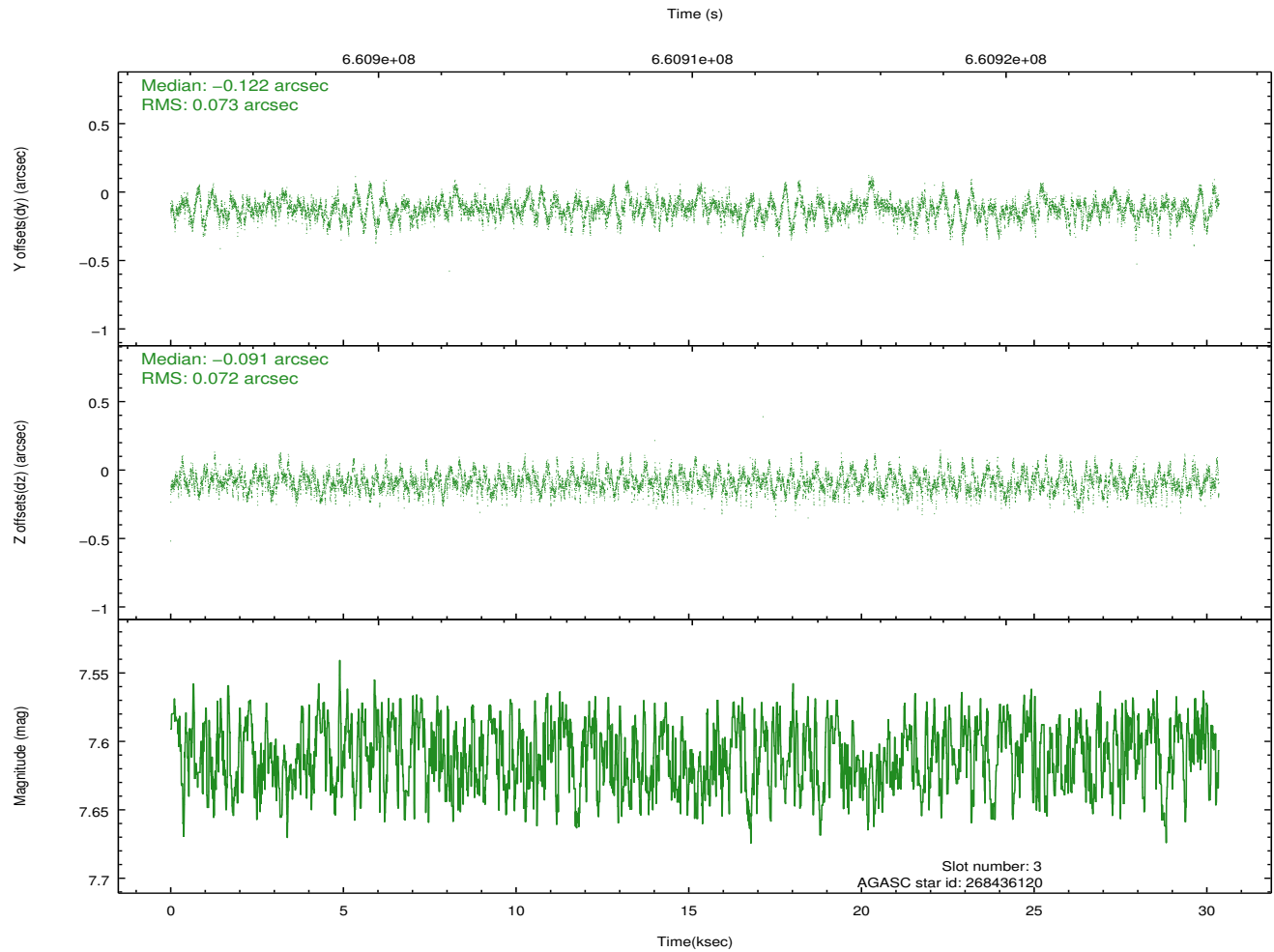
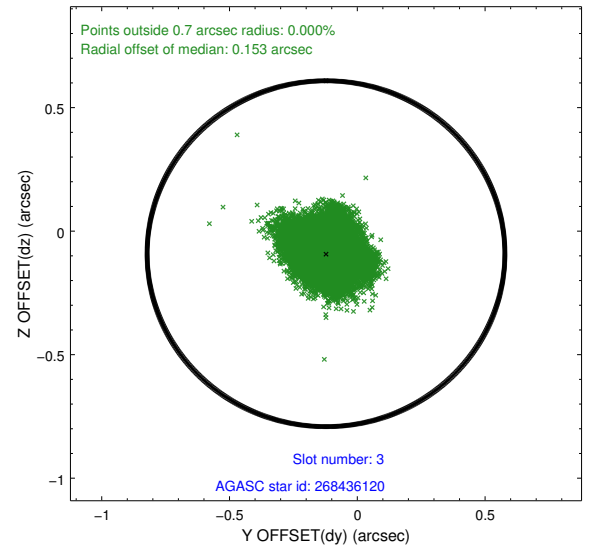
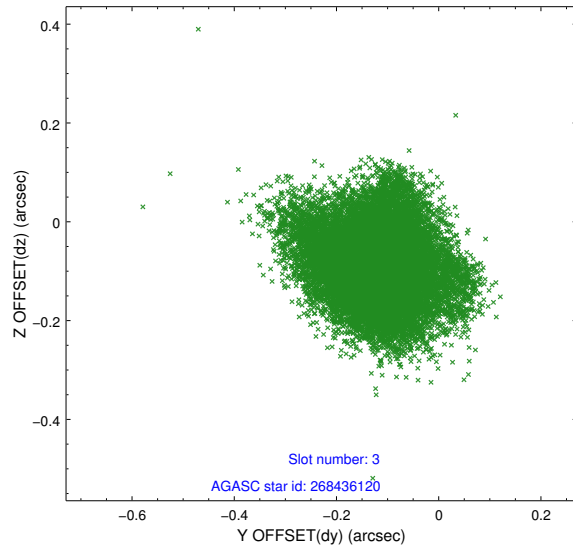


Slot Statistics

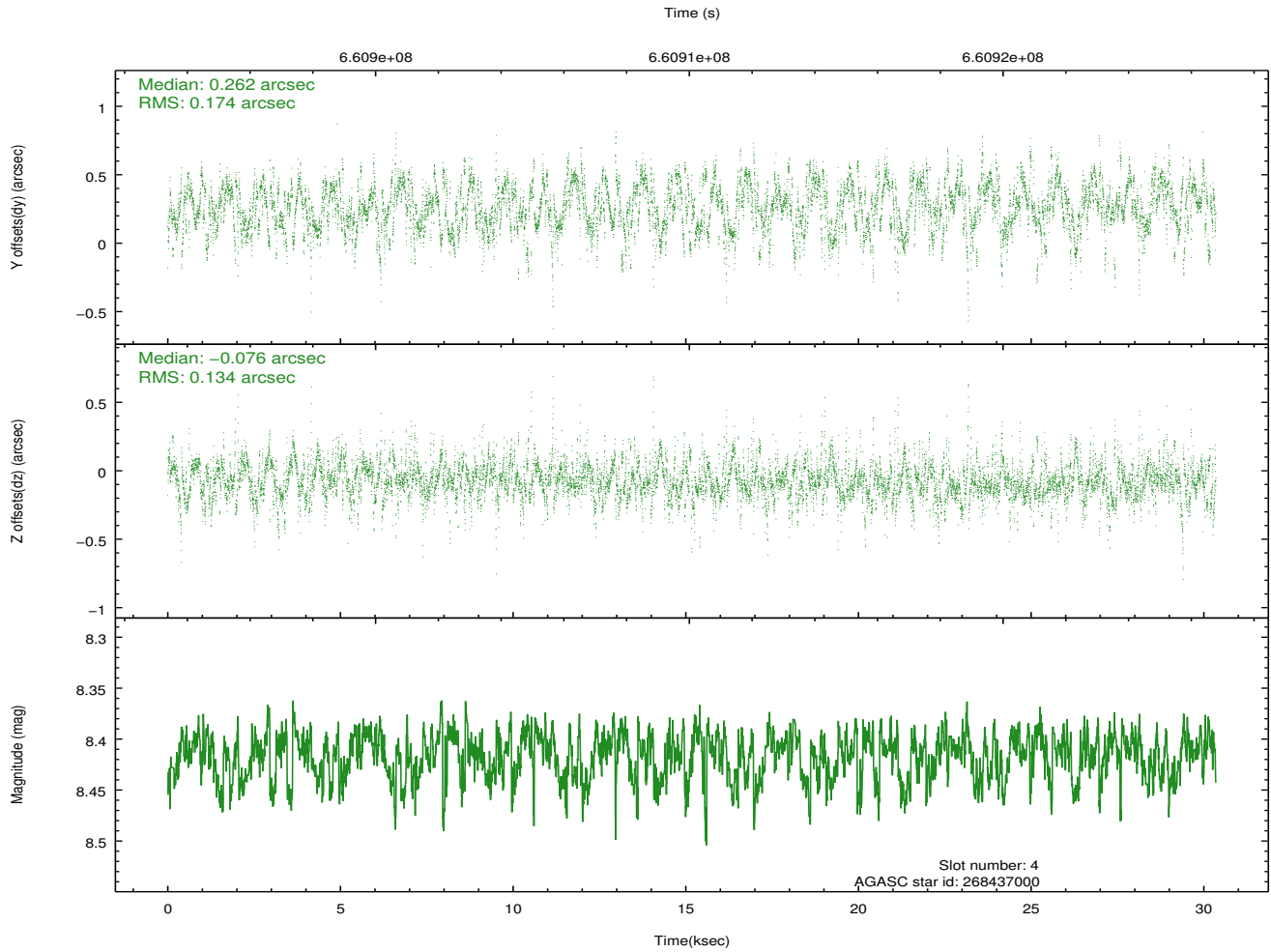
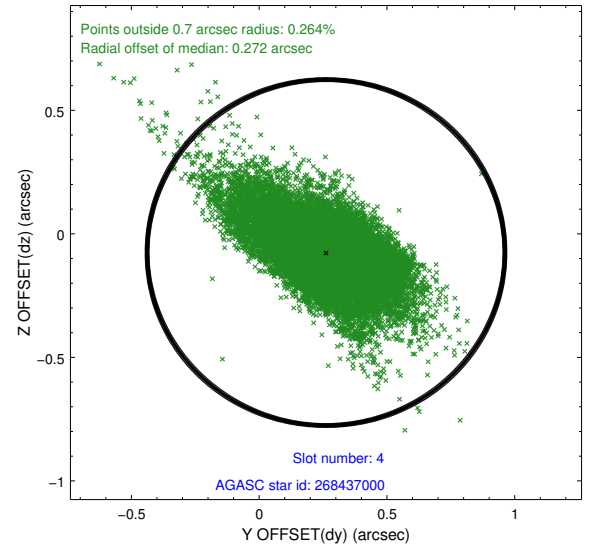
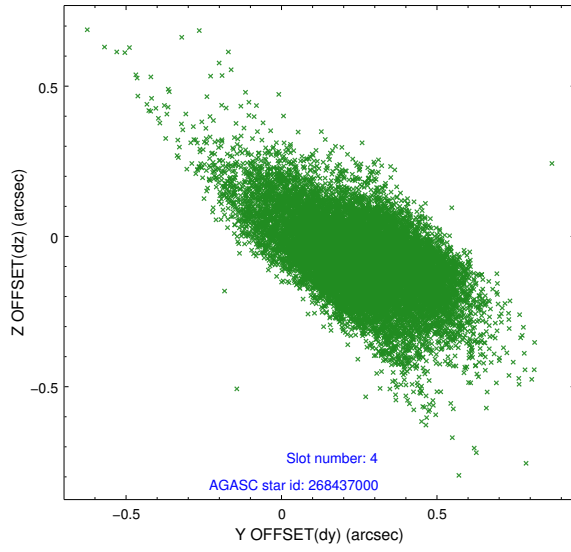
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.97	7403	1.000	-0.326	-0.224	0.018	0.042	0.000000	0.000000	-769.81	-1744
1	FID		ACIS-S-4	7.10	7403	1.000	0.725	0.217	0.008	0.015	0.000000	0.000000	2144.43	164
2	FID		ACIS-S-5	7.07	7403	1.000	-0.430	0.015	0.017	0.034	0.000000	0.000000	-1822.72	158
3	GUIDE	used	268436120	7.61	14797	1.000	-0.122	-0.091	0.109	0.176	247.976339	26.031901	1252.23	-864
4	GUIDE	used	268437000	8.42	14792	1.000	0.262	-0.076	0.217	0.394	248.338291	25.689697	2144.81	-2316
5	GUIDE	used	268438952	7.84	14798	1.000	-0.039	0.095	0.125	0.217	247.853836	25.841532	720.40	-1449
6	GUIDE	used	268443752	9.01	14787	1.000	0.255	0.702	0.148	0.237	247.082481	25.515400	-1976.70	-2056
7	GUIDE	used	268961536	9.07	14756	1.000	-0.323	-0.630	0.172	0.282	247.415730	26.728373	21.46	1971

2.4 Star Slots

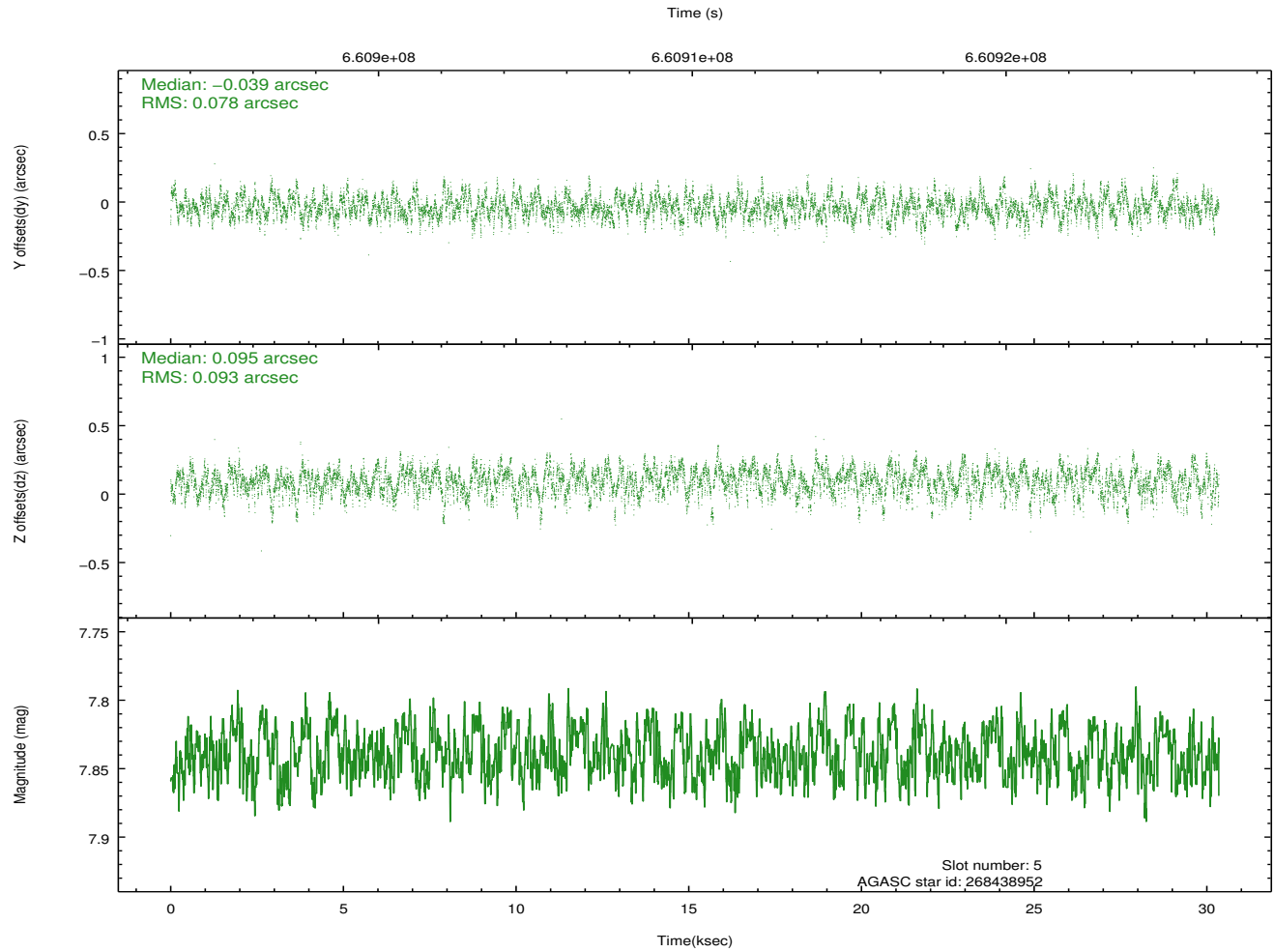
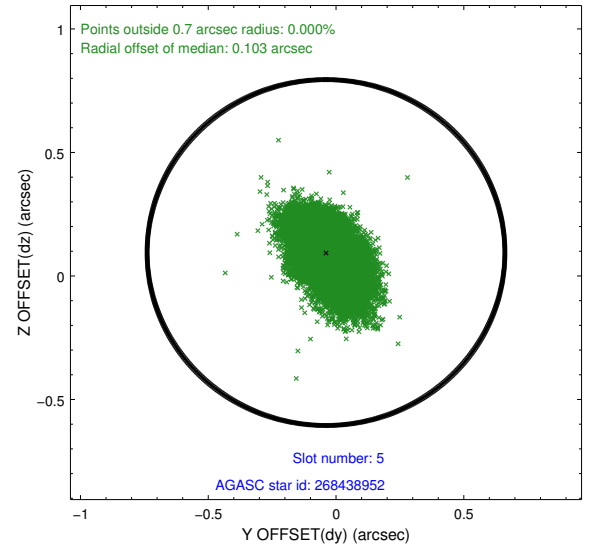
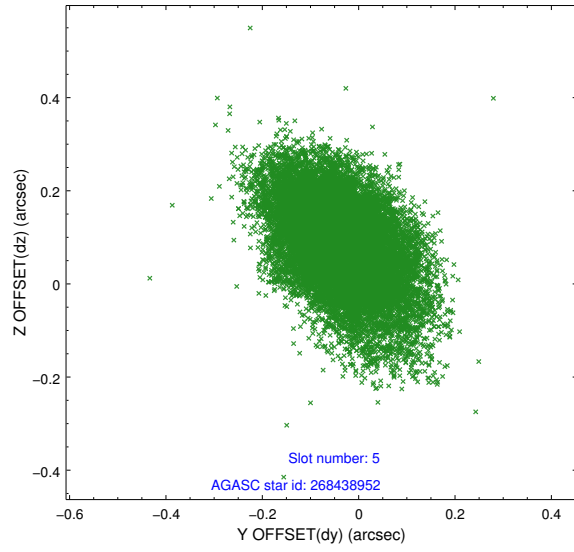
2.4.1 Slot 3



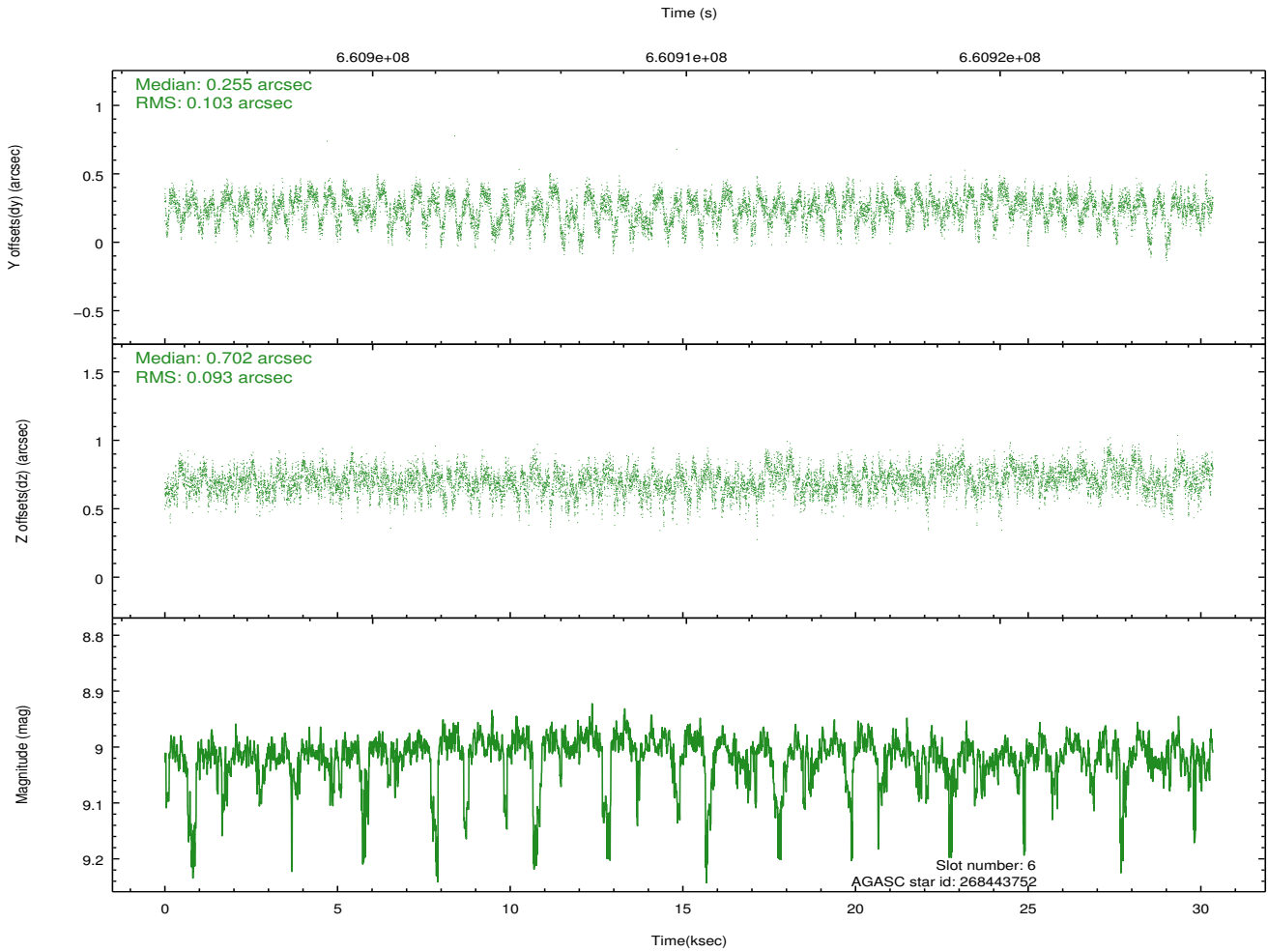
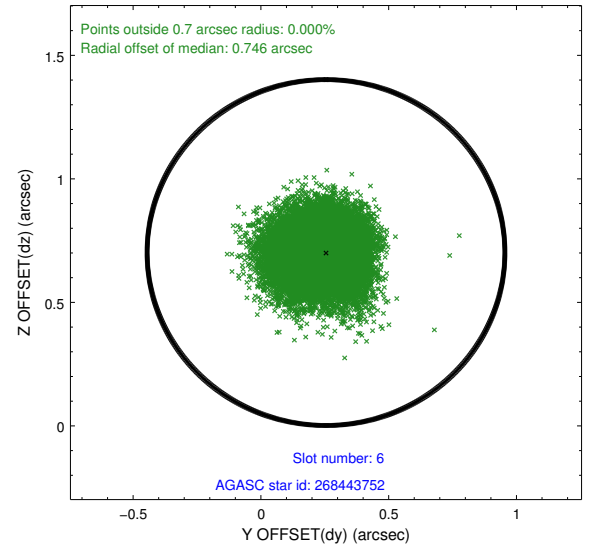
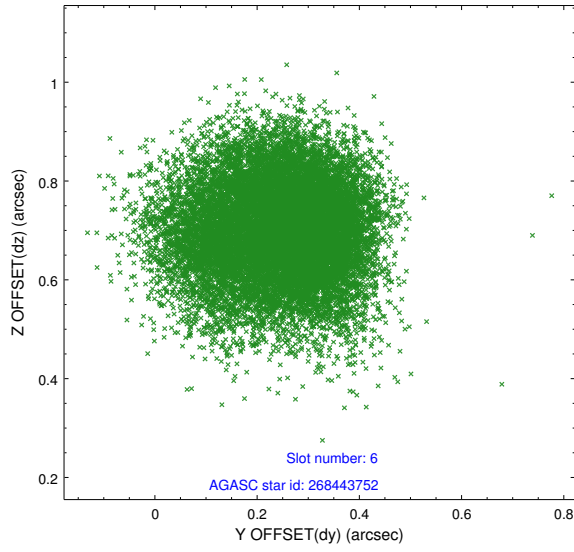
2.4.2 Slot 4



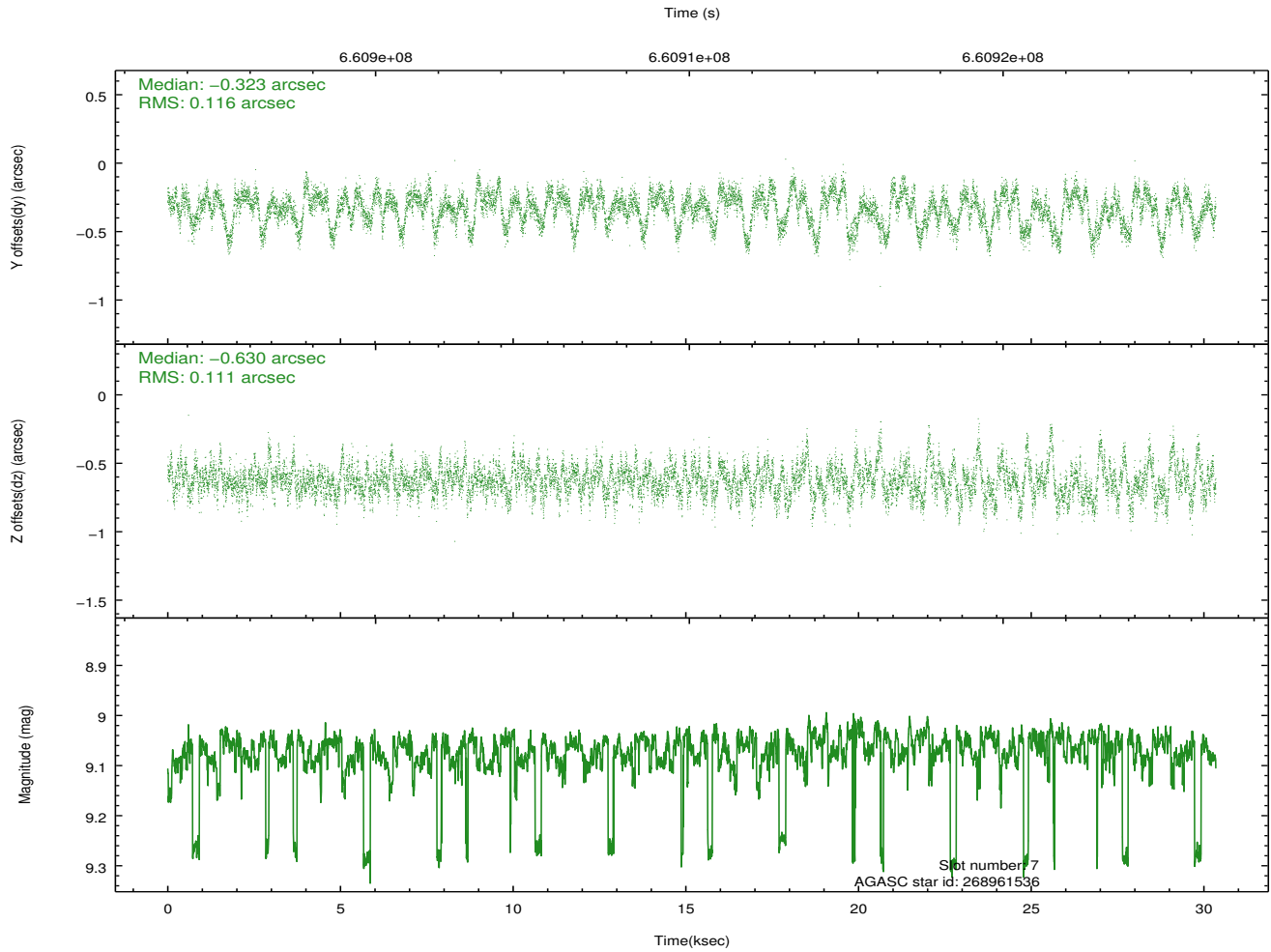
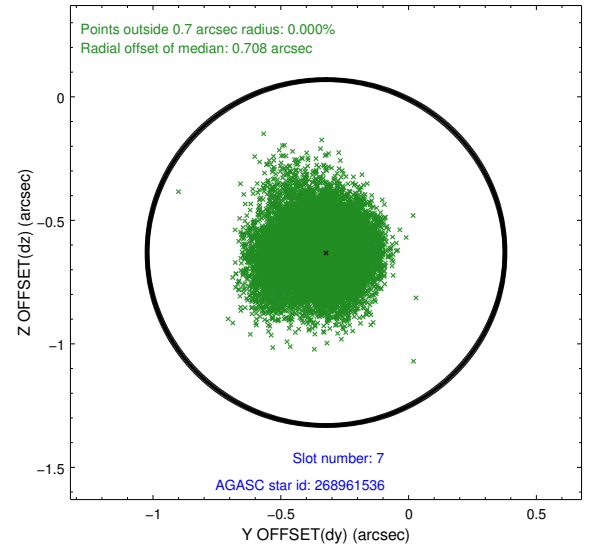
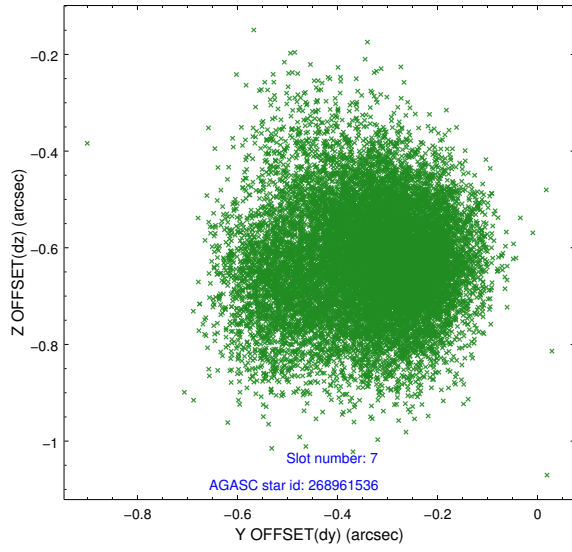
2.4.3 Slot 5



2.4.4 Slot 6

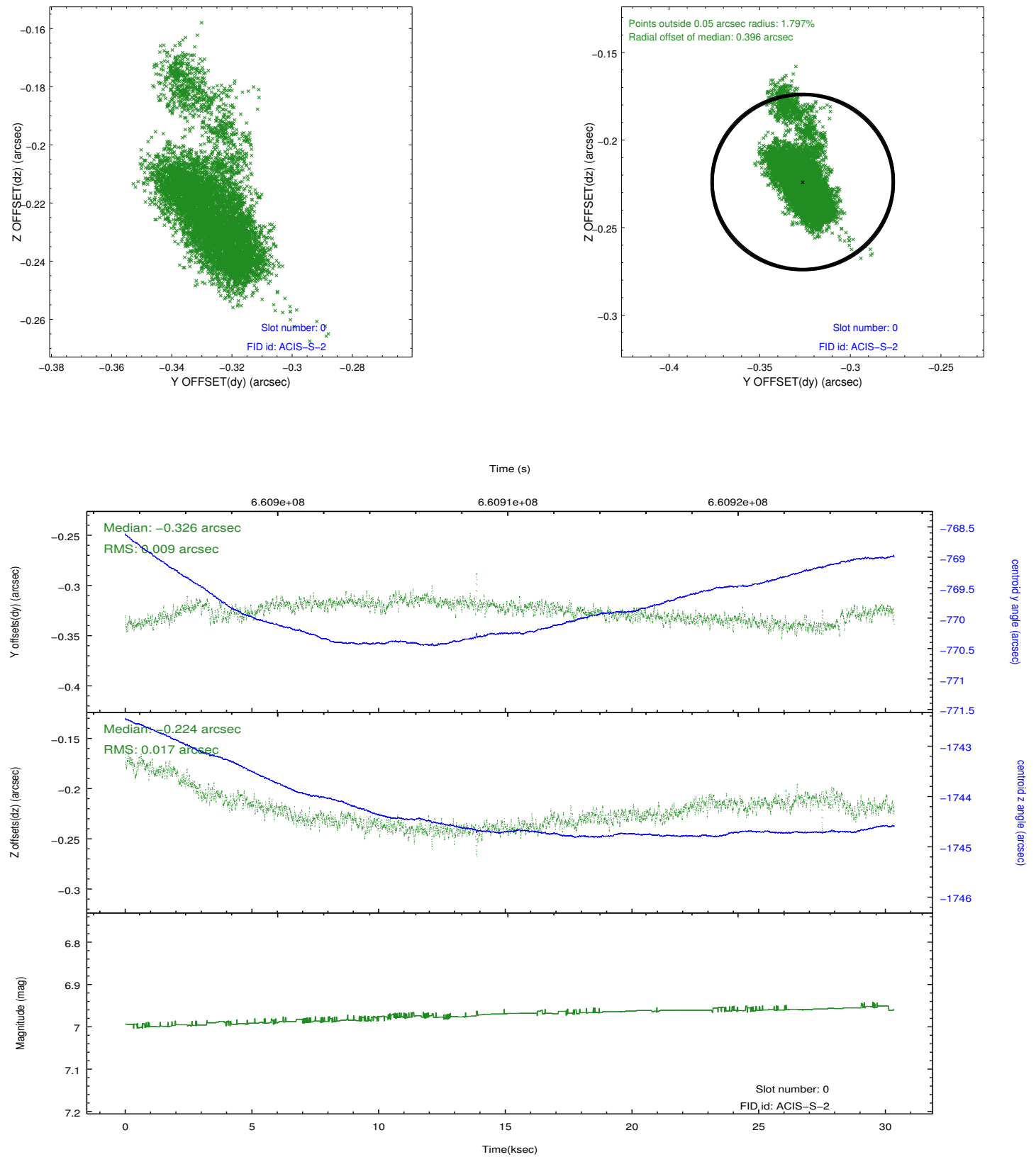


2.4.5 Slot 7

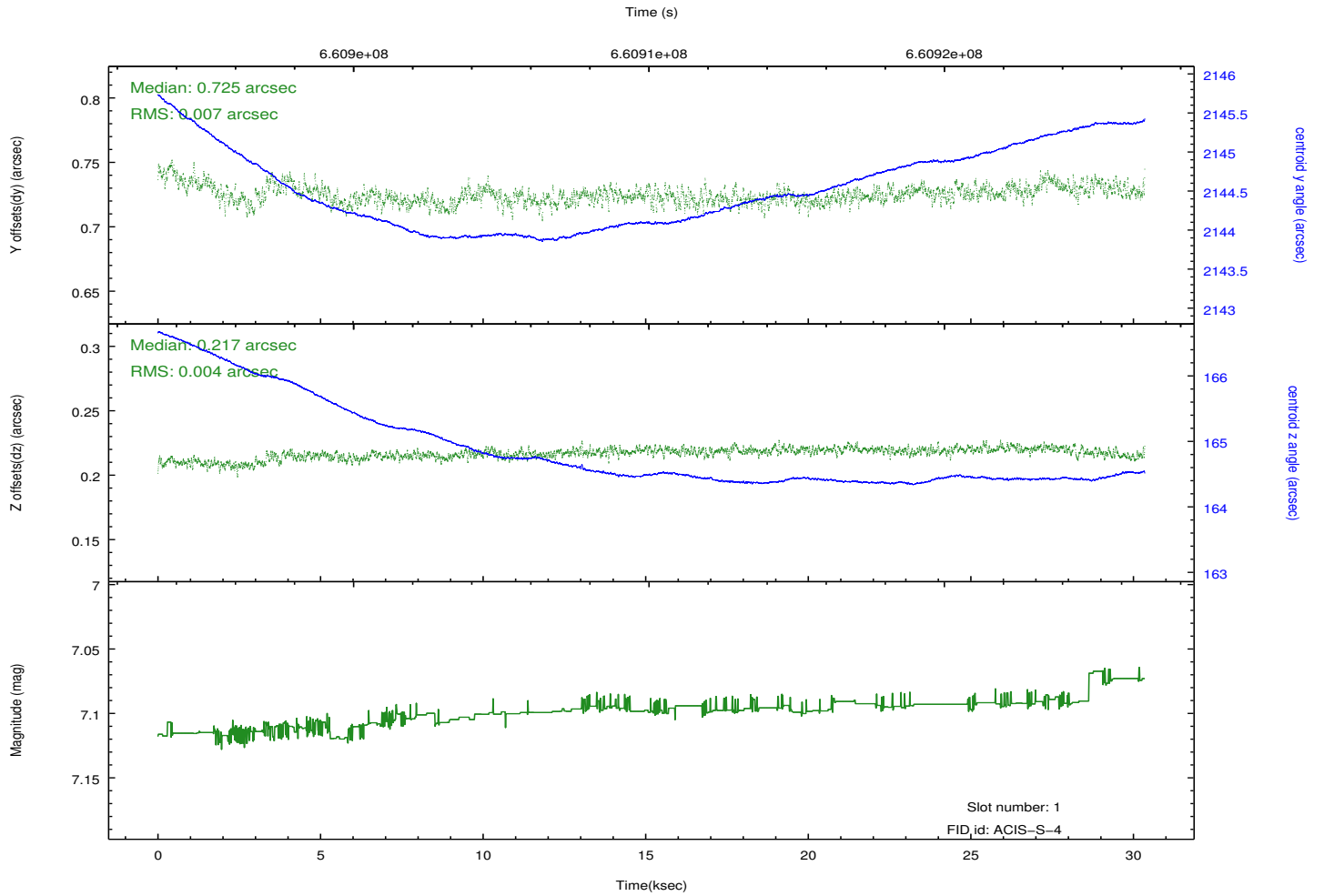
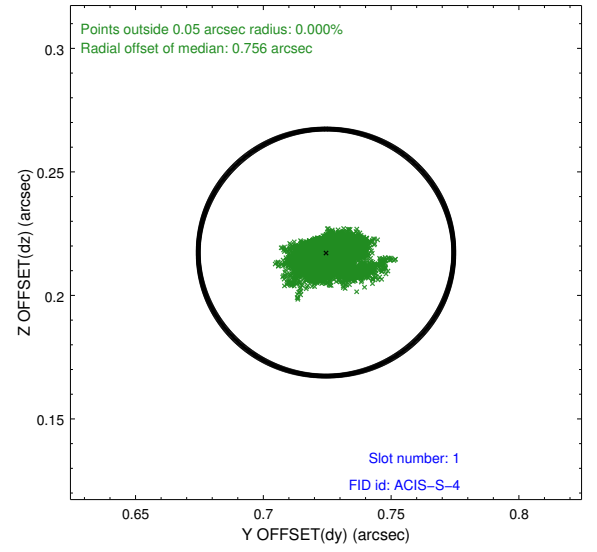
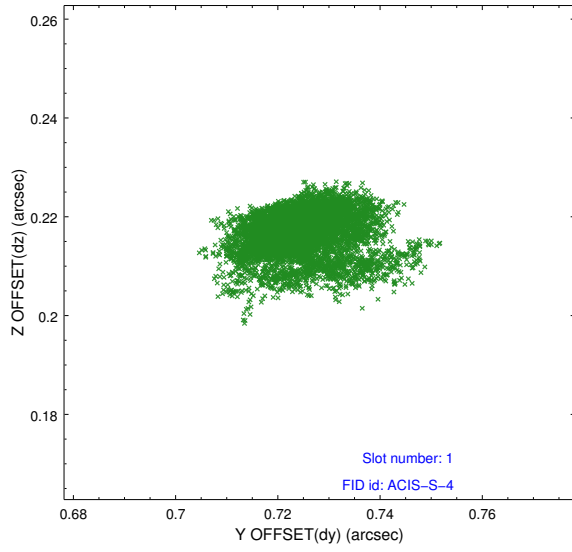


2.5 FID Slots

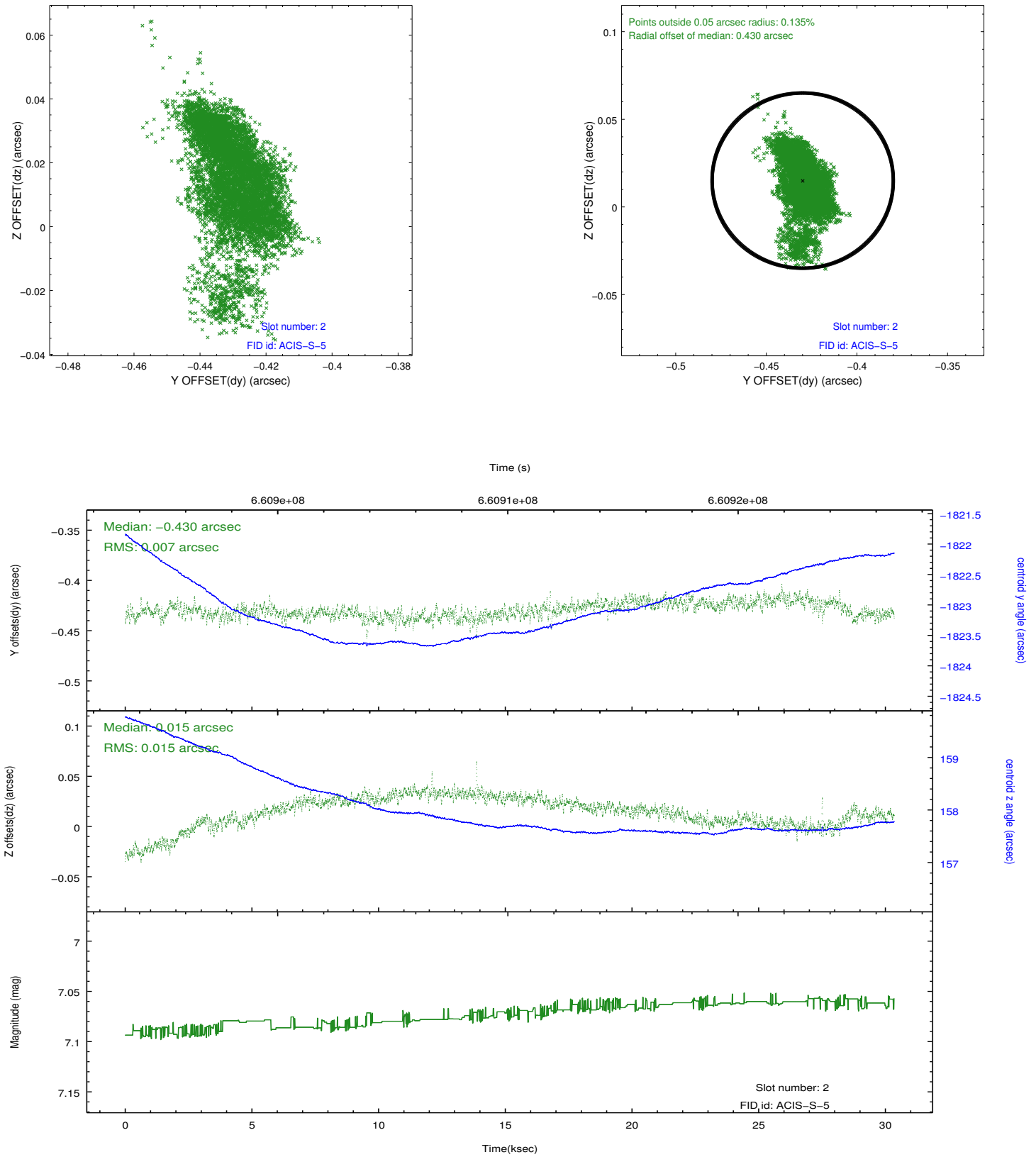
2.5.1 Slot 0



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)	2018.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.097617580414

A.2 Comments