

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 22526 - L2 Version 1
Chandra X-Ray Center

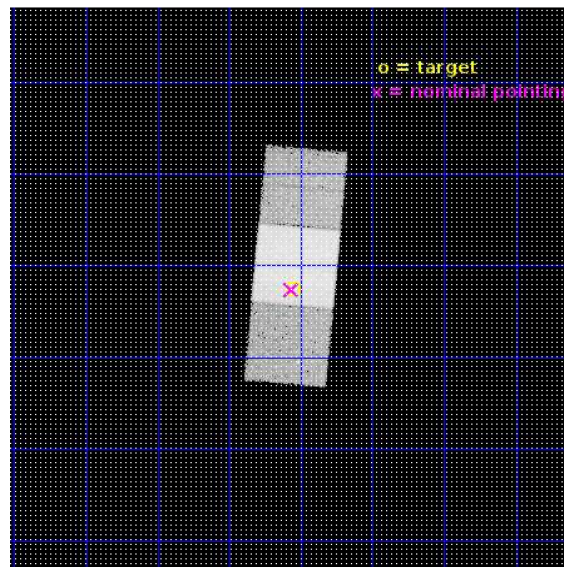
L2 Processing Date : Oct 5 2019

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1 Front

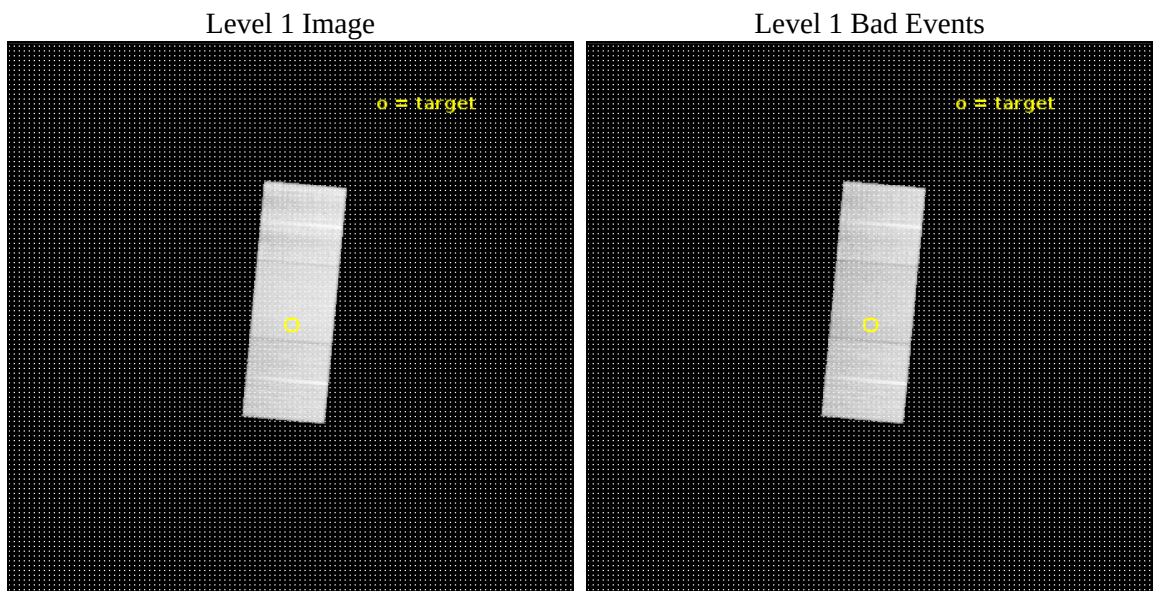
seq_num	703914	Sequence number
obs_id	22526	Observation id
title	Unveiling the Quiescent Accretion State of AGN with Fading Changing-Look Quasars	Proposal title
observer	John Ruan	Principal investigator
object	SDSS J233602.98+001728.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	354.0125	Observer's specified target RA [deg]
dec_targ	0.291306	Observer's specified target Dec [deg]
ra_nom	354.01659135864	Nominal RA [deg]
dec_nom	0.28916988669519	Nominal Dec [deg]
roll_nom	275.15660207308	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30112.017743349	Sum of GTIs [s]
livetime	29718.582063387	Livetime [s]
ontime6	30108.835723042	Sum of GTIs [s]
ontime7	30112.017743349	Sum of GTIs [s]
ontime8	30111.935663342	Sum of GTIs [s]
l2events	174846	Number of level 2 events



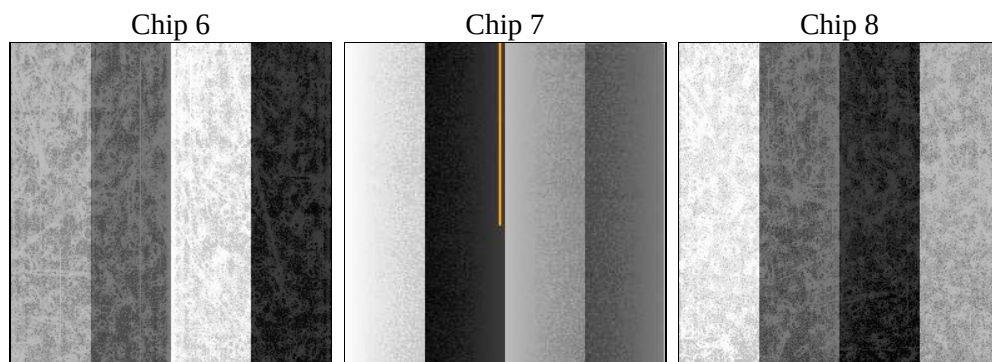
2 OBI

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	10.8.1	Processing system revision	ontime	30112.017743349	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime6	30108.835723042	Sum of GTIs [s]
date	2019-10-05T14:27:57	Date and time of file creation	ontime7	30112.017743349	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	30111.935663342	Sum of GTIs [s]
			l1events	836347	Number of level 1 events

2.1.4 Events

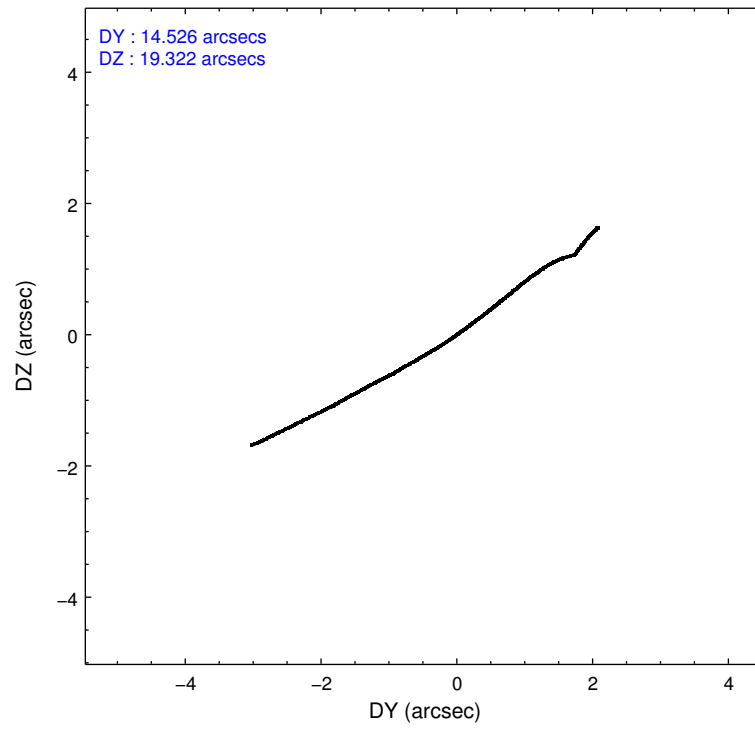
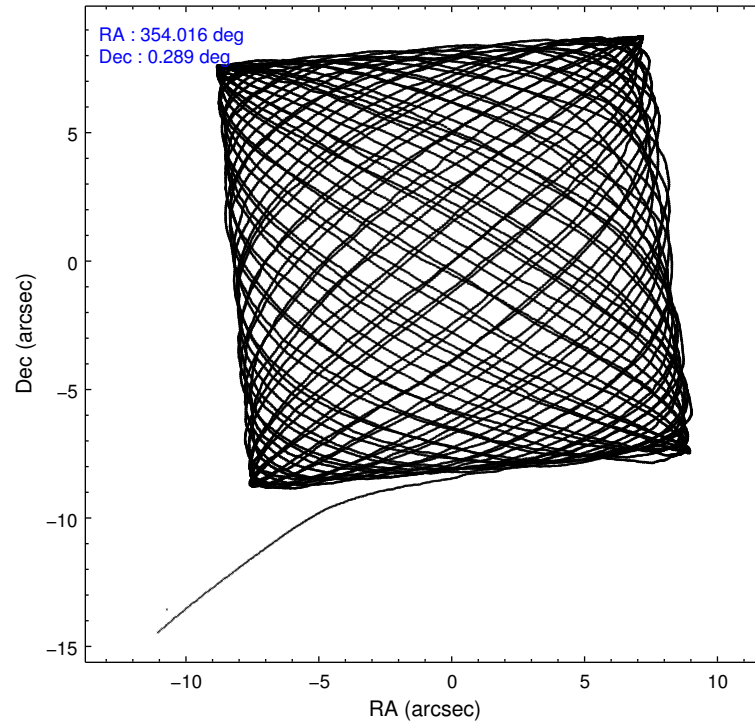
	ccd 6	ccd 7	ccd 8
level 1 events	237824	295611	302912
rejected events	211157	167649	222190
rejected %	88%	56%	73%

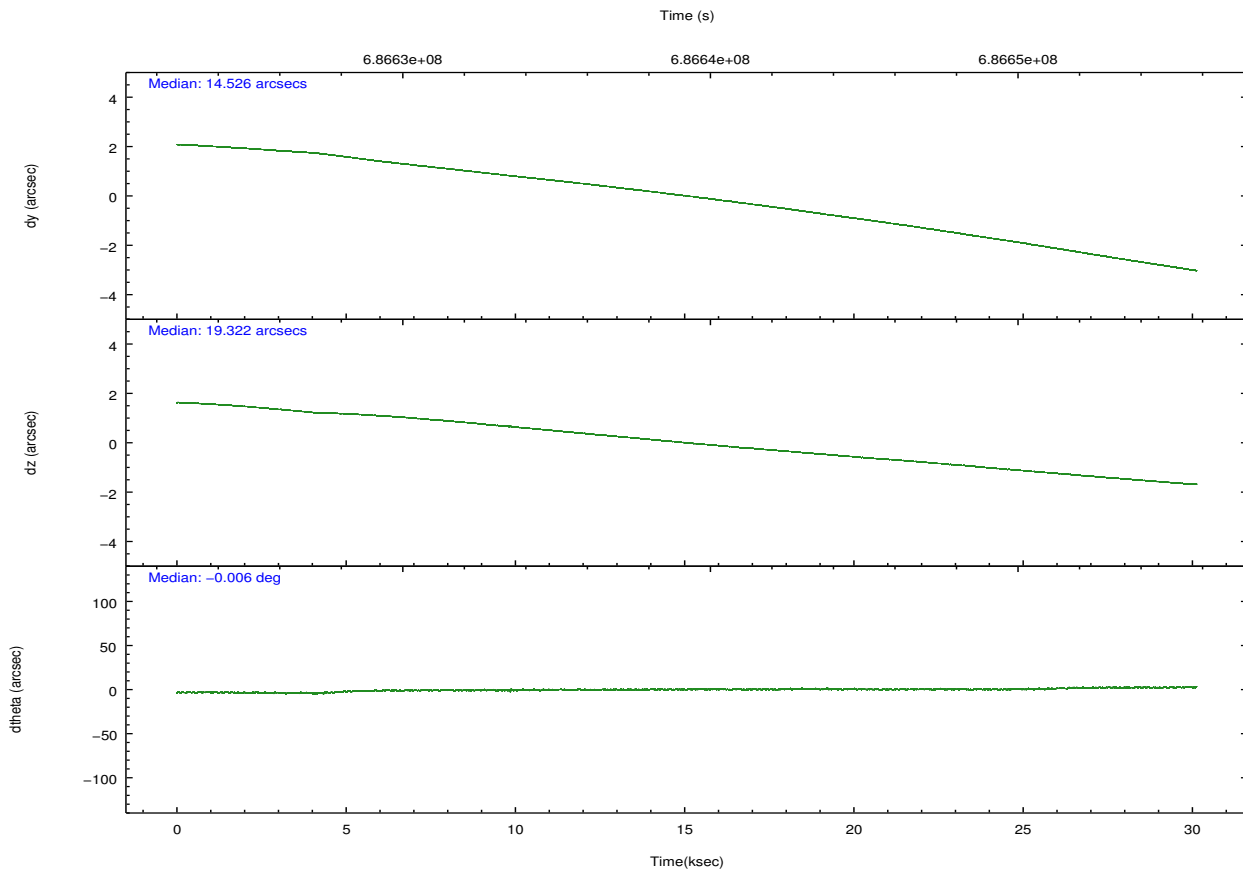
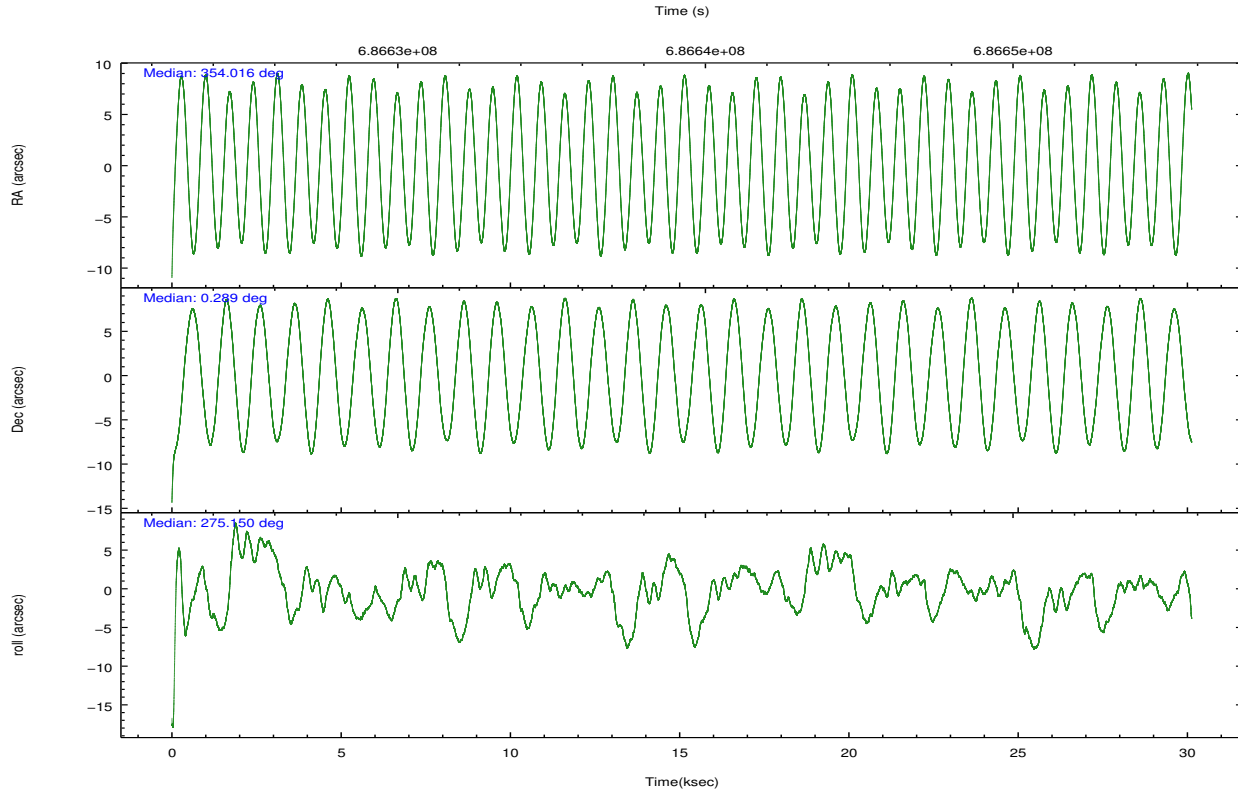
	ccd 6	ccd 7	ccd 8
grade 0 events	8397	10663	22516
	3%	3%	7%
grade 1 events	99	414	232
	0%	0%	0%
grade 2 events	6705	27292	19777
	2%	9%	6%
grade 3 events	2478	9846	8235
	1%	3%	2%
grade 4 events	2399	9929	7805
	1%	3%	2%
grade 5 events	10442	28981	16041
	4%	9%	5%
grade 6 events	6693	70239	22393
	2%	23%	7%
grade 7 events	200611	138247	205913
	84%	46%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	354.000479	354.0165913586418	CCD I2 on	N	N
[deg] Pointing Dec	0.311400	0.2891698866951941	CCD I3 on	N	N
[deg] Pointing Roll	275.000069	275.1566020730814	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	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	686624319.184000	686622987.54693	CCD S5 on	N	N
Observation start date	2019-10-05T00:57:30	2019-10-05T00:36:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	686654319.184000	686655303.74888	On-chip summing requested	N	N
Observation end date	2019-10-05T09:17:30	2019-10-05T09:35:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



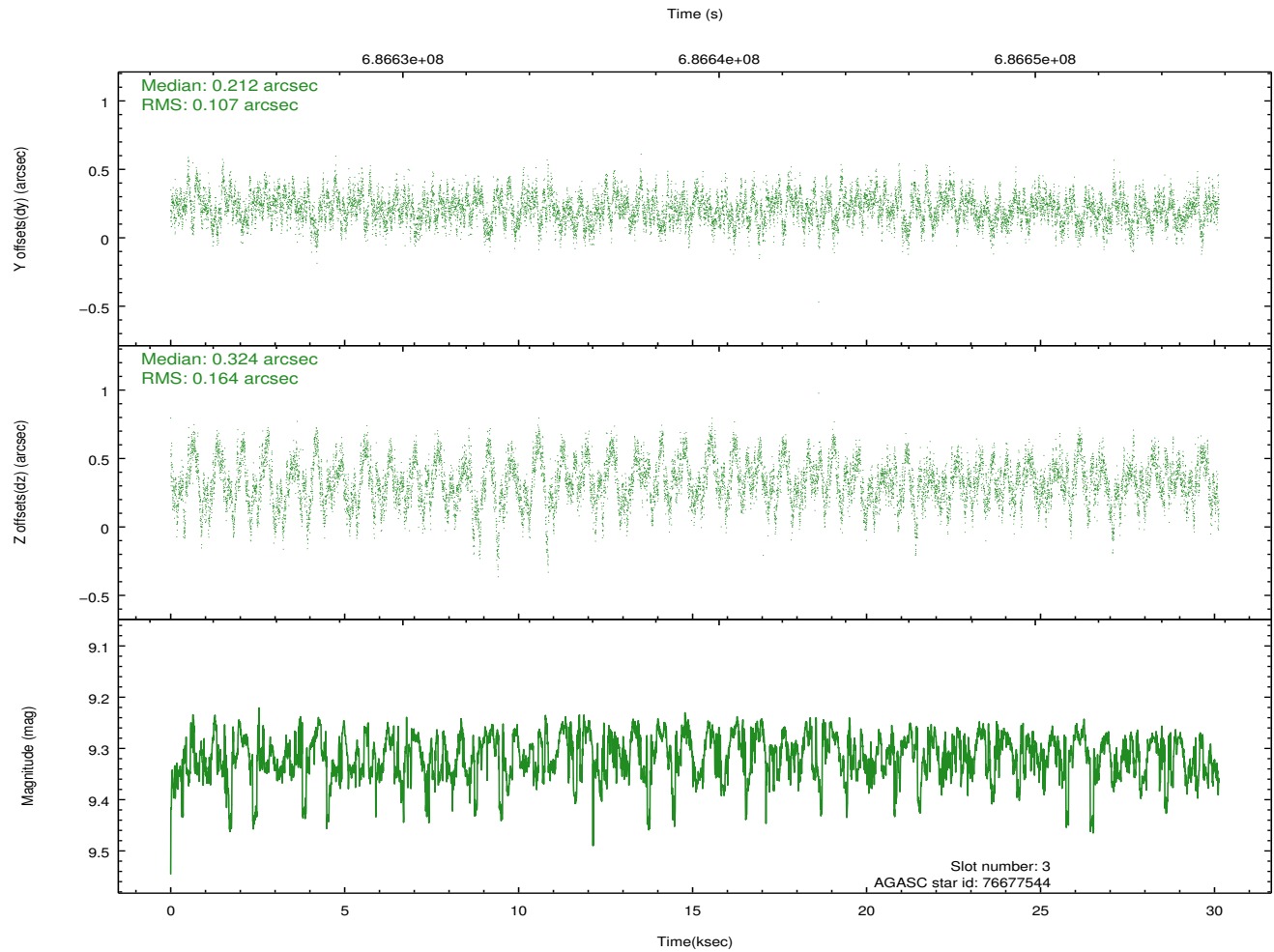
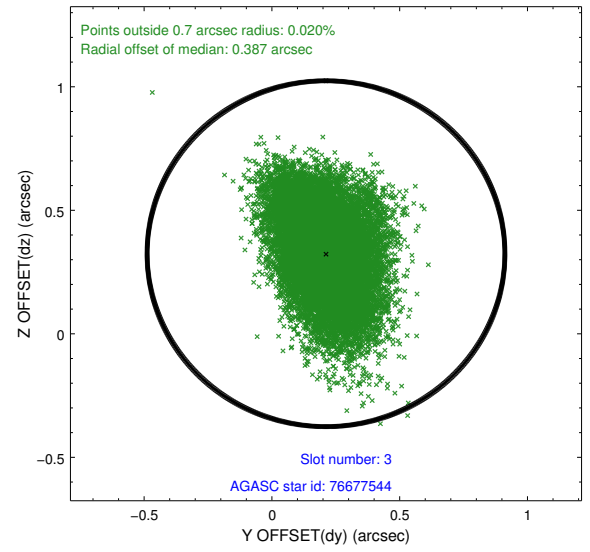
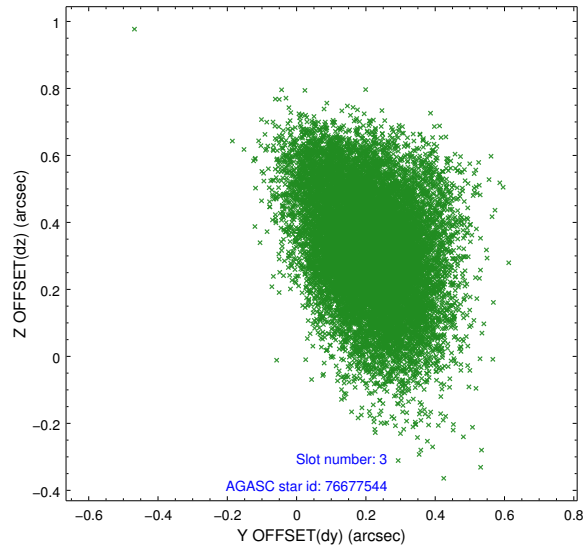


Slot Statistics

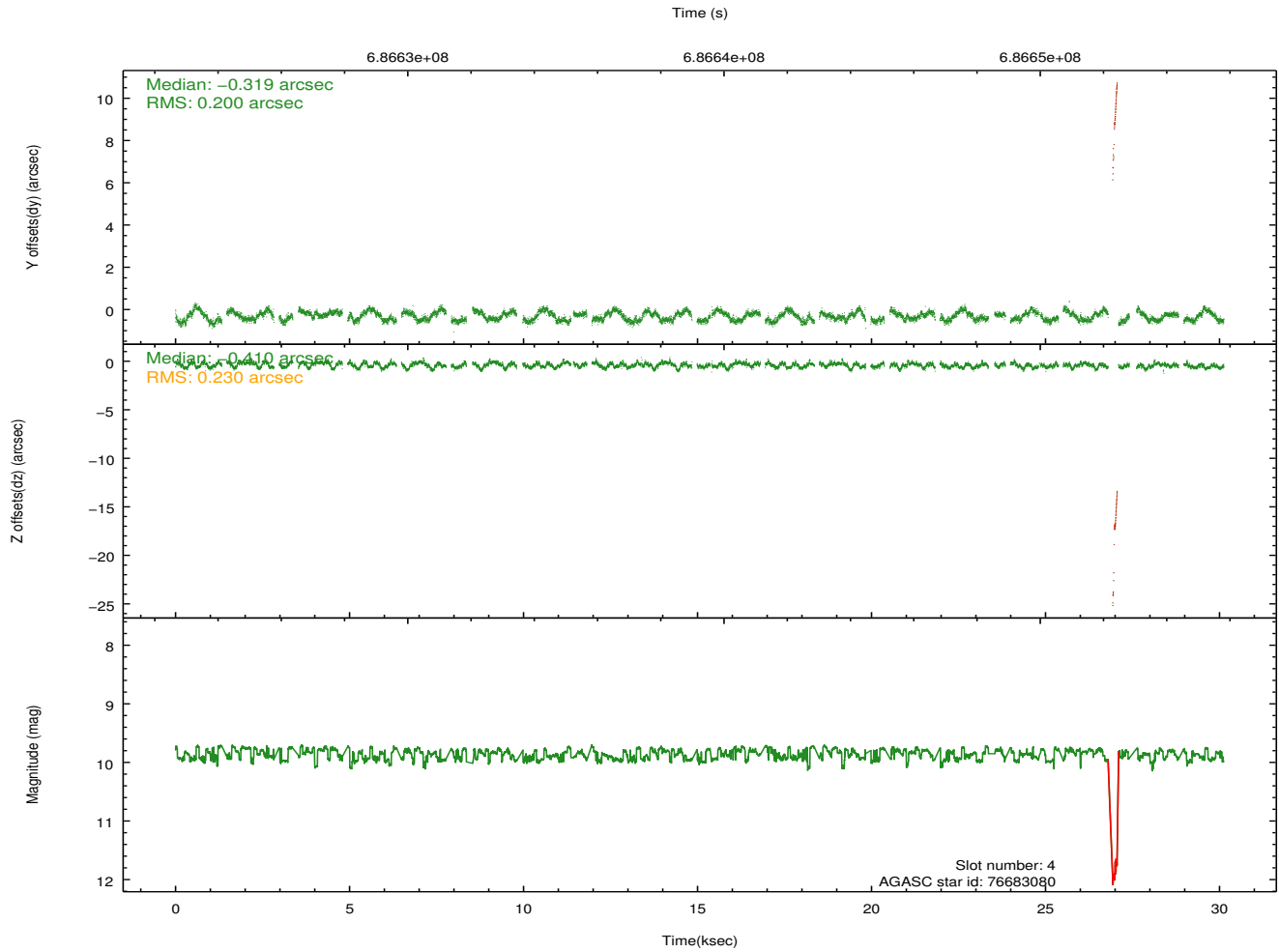
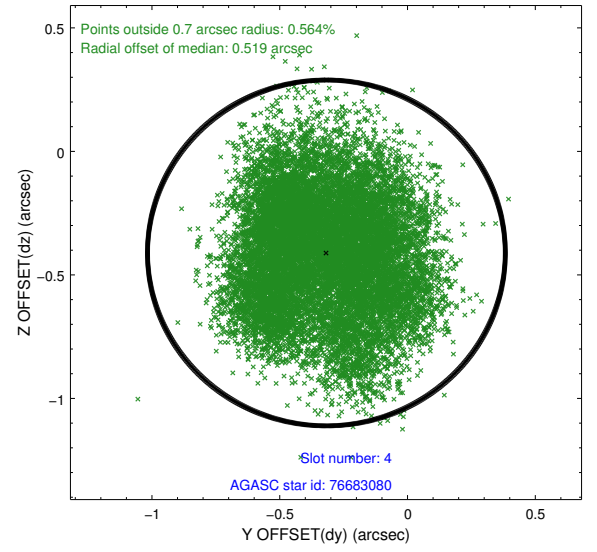
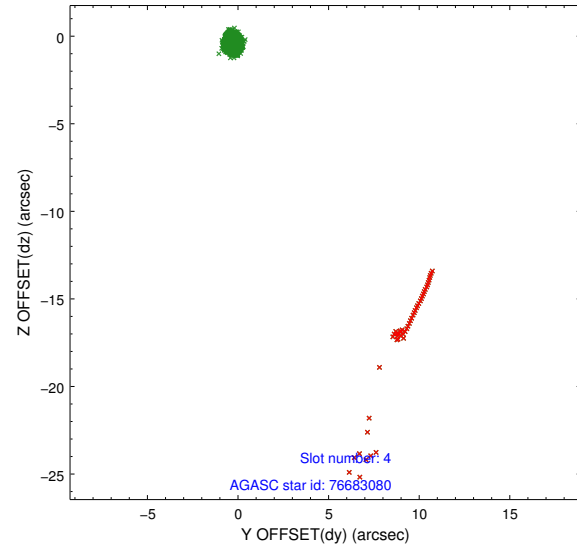
	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	m
	FID		ACIS-S-2	7.02	7348	1.000	-0.304	-0.202	0.057	0.073	0.000000	0.000000	-767.56	-17
	FID		ACIS-S-4	7.13	7348	1.000	0.779	0.201	0.039	0.101	0.000000	0.000000	2146.68	1
	FID		ACIS-S-5	7.09	7347	1.000	-0.510	0.012	0.037	0.054	0.000000	0.000000	-1820.59	1
	GUIDE	used	76677544	9.32	14675	1.000	0.212	0.324	0.208	0.344	353.780973	0.190917	363.64	-8
	BAD	used	76683080	9.86	12893	0.996	-0.319	-0.410	0.335	0.499	353.475595	0.556305	-1042.22	-18
	GUIDE	used	76684280	8.85	14684	1.000	0.063	0.008	0.194	0.311	354.578237	0.780972	-1502.73	22
	GUIDE	used	688259800	9.71	14588	1.000	0.010	0.160	0.334	0.558	353.657846	-0.137055	1502.49	-13
	GUIDE	used	688265920	8.10	14686	1.000	-0.014	-0.129	0.141	0.248	353.620473	-0.325855	2167.13	-15

2.4 Star Slots

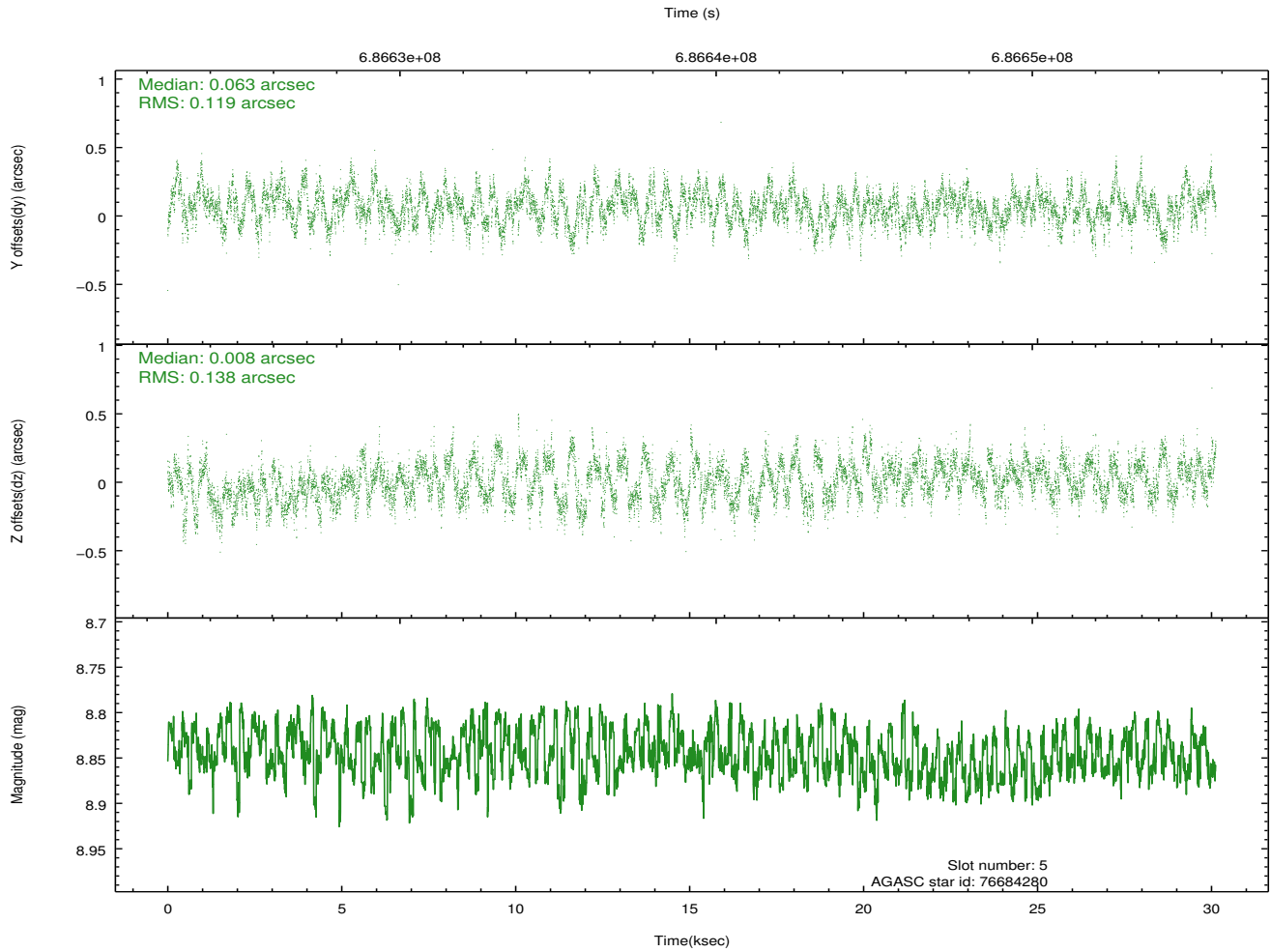
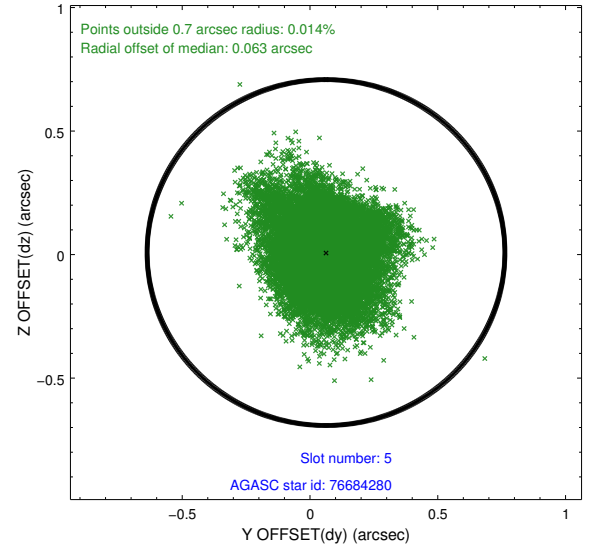
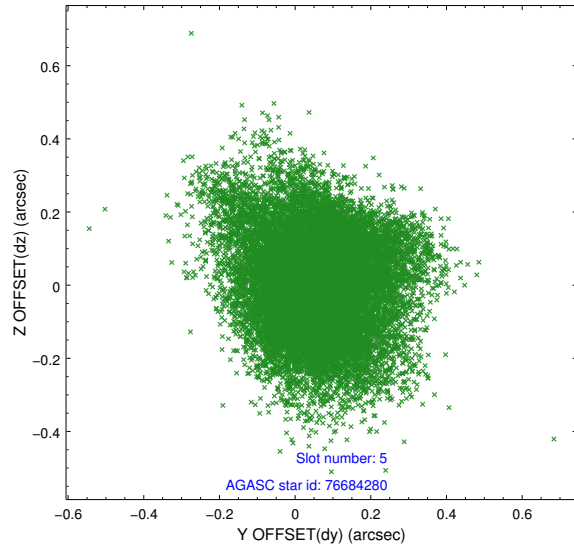
2.4.1 Slot 3



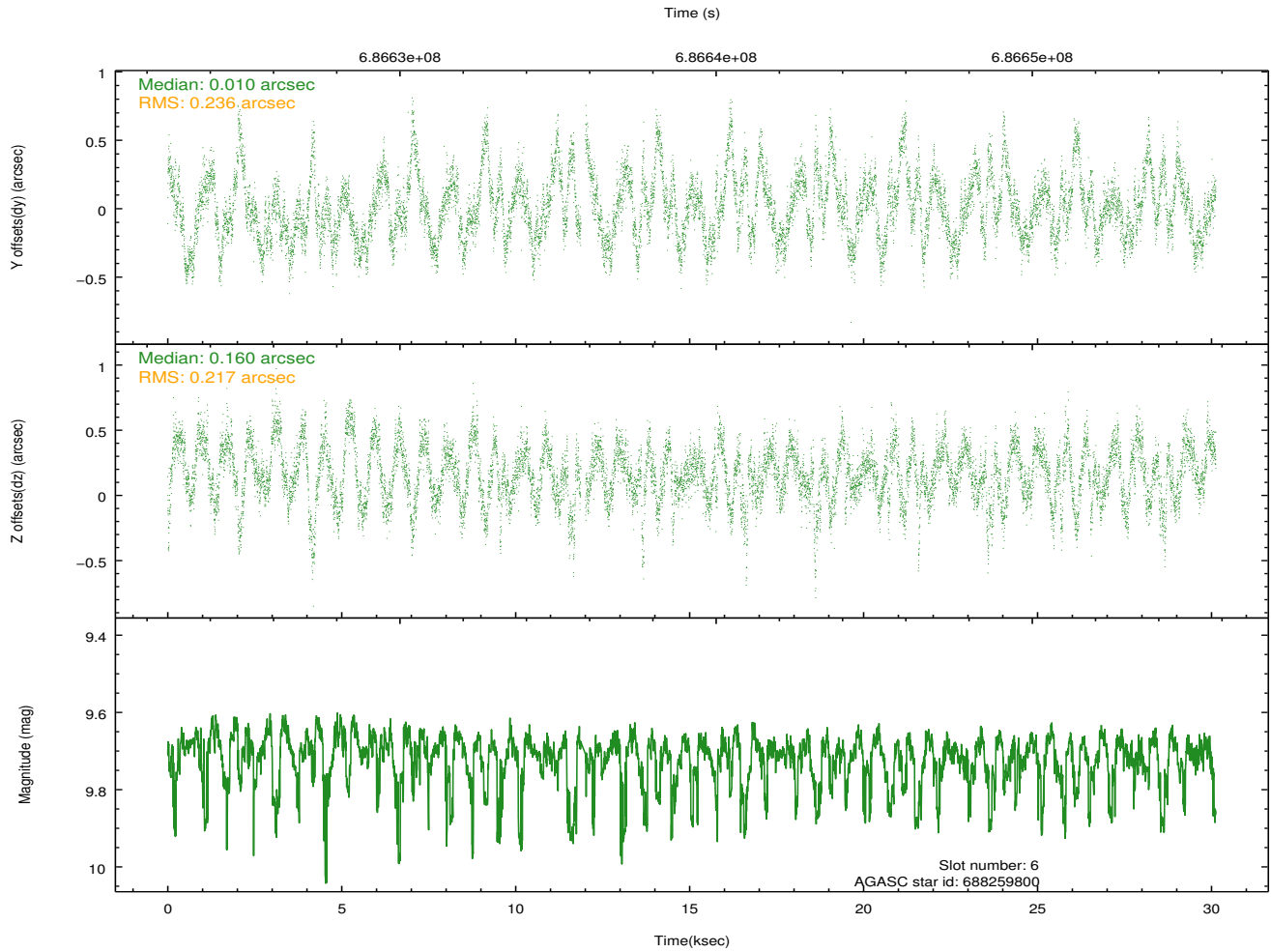
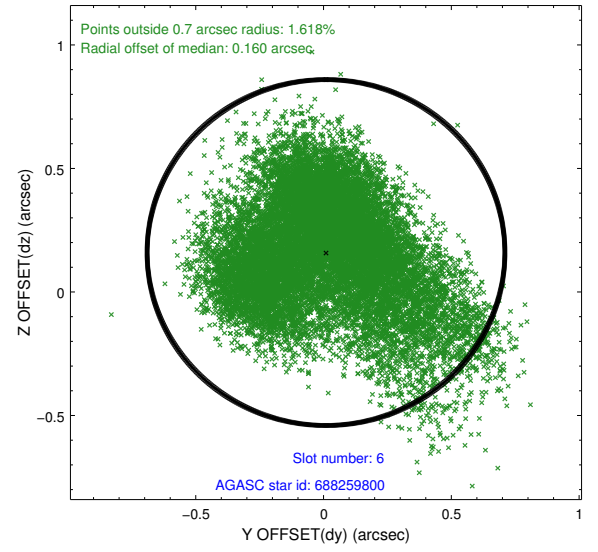
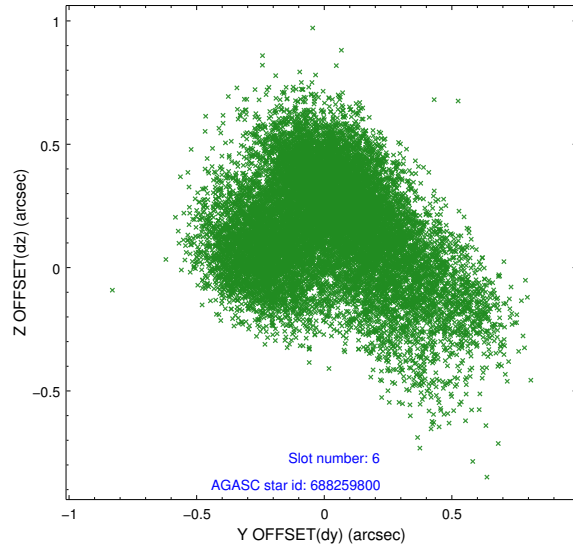
2.4.2 Slot 4



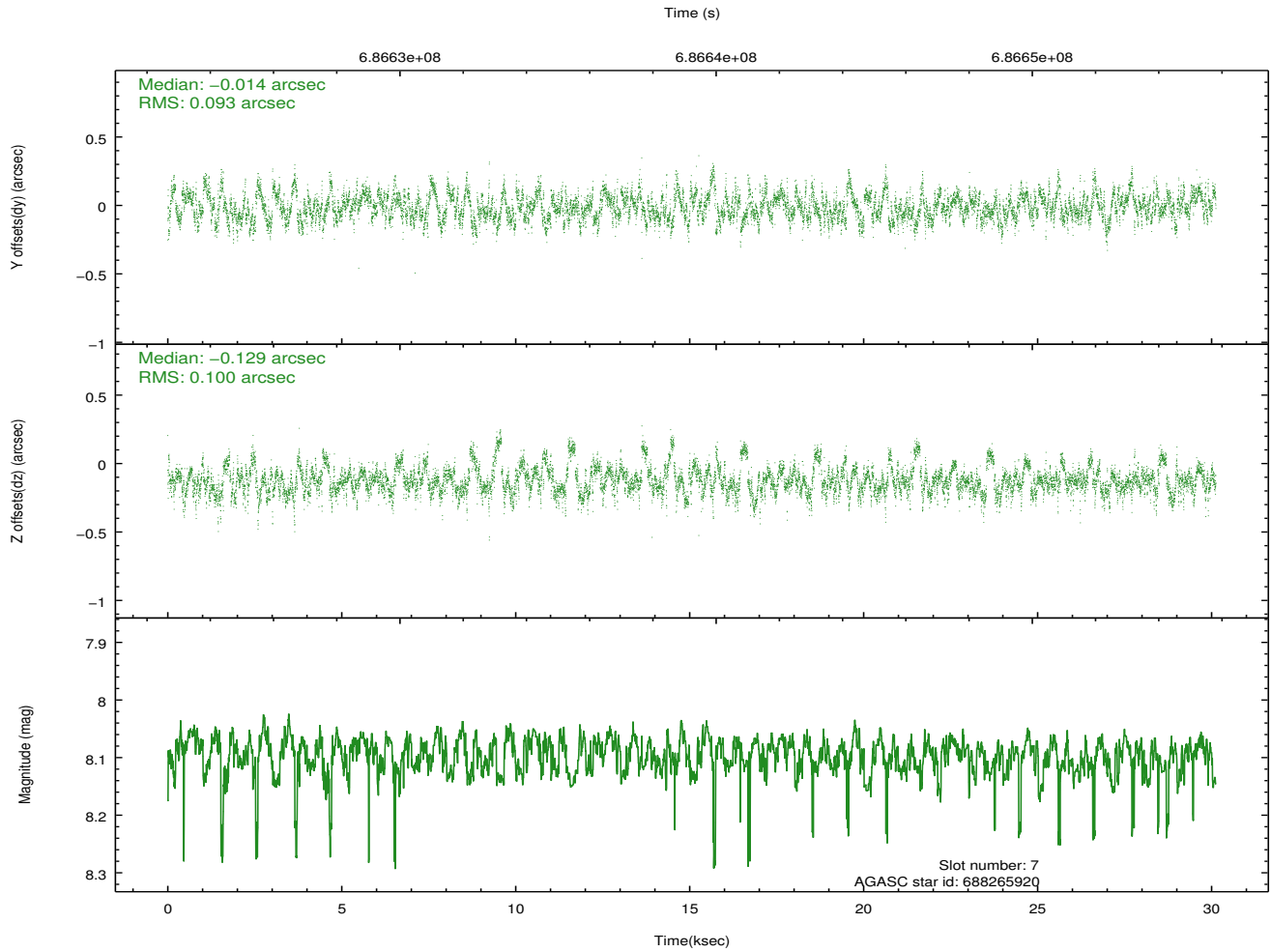
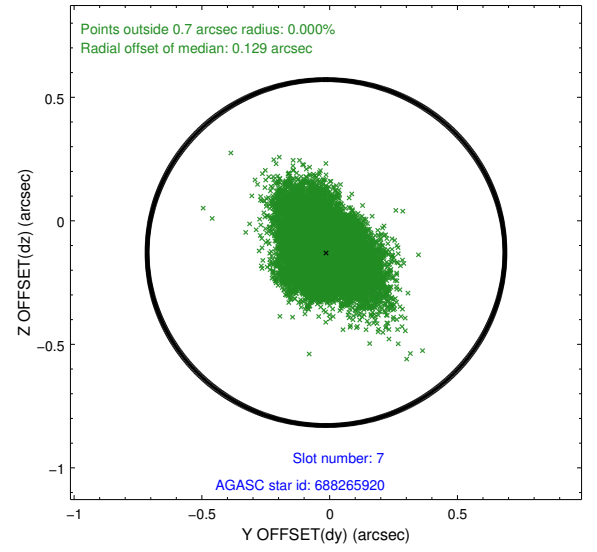
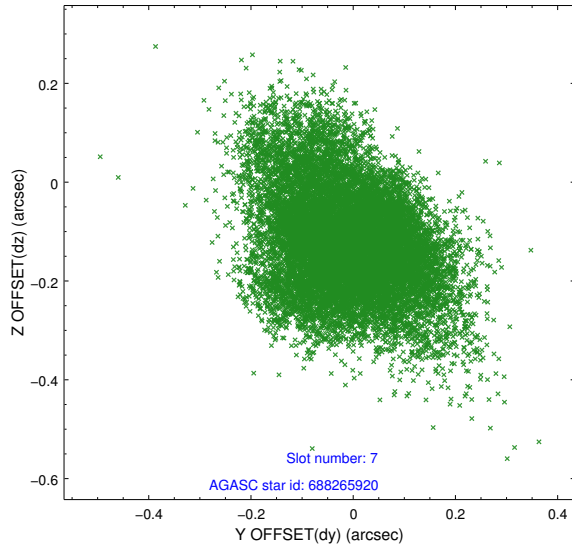
2.4.3 Slot 5



2.4.4 Slot 6

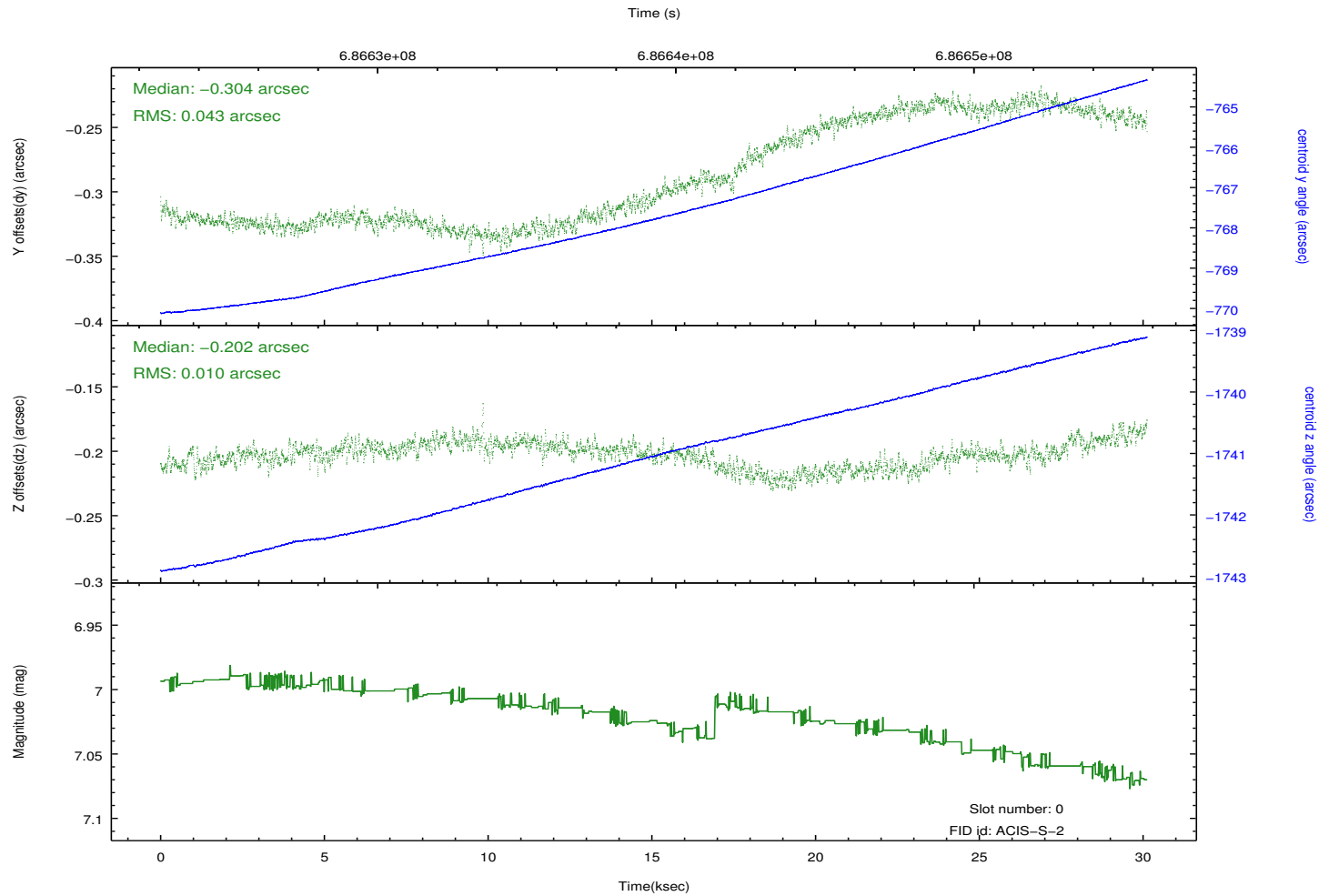
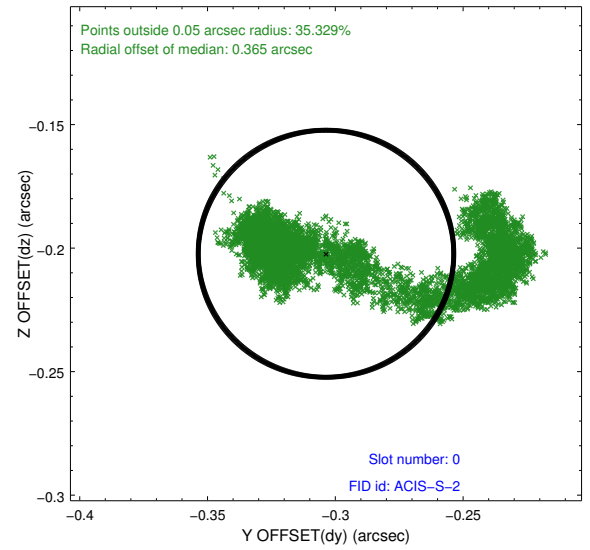
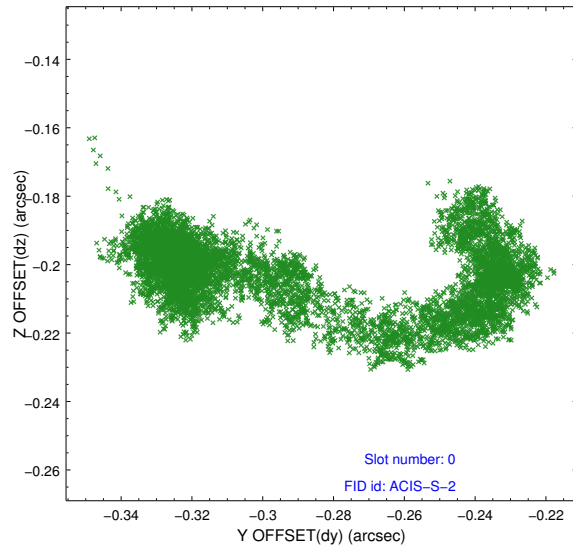


2.4.5 Slot 7

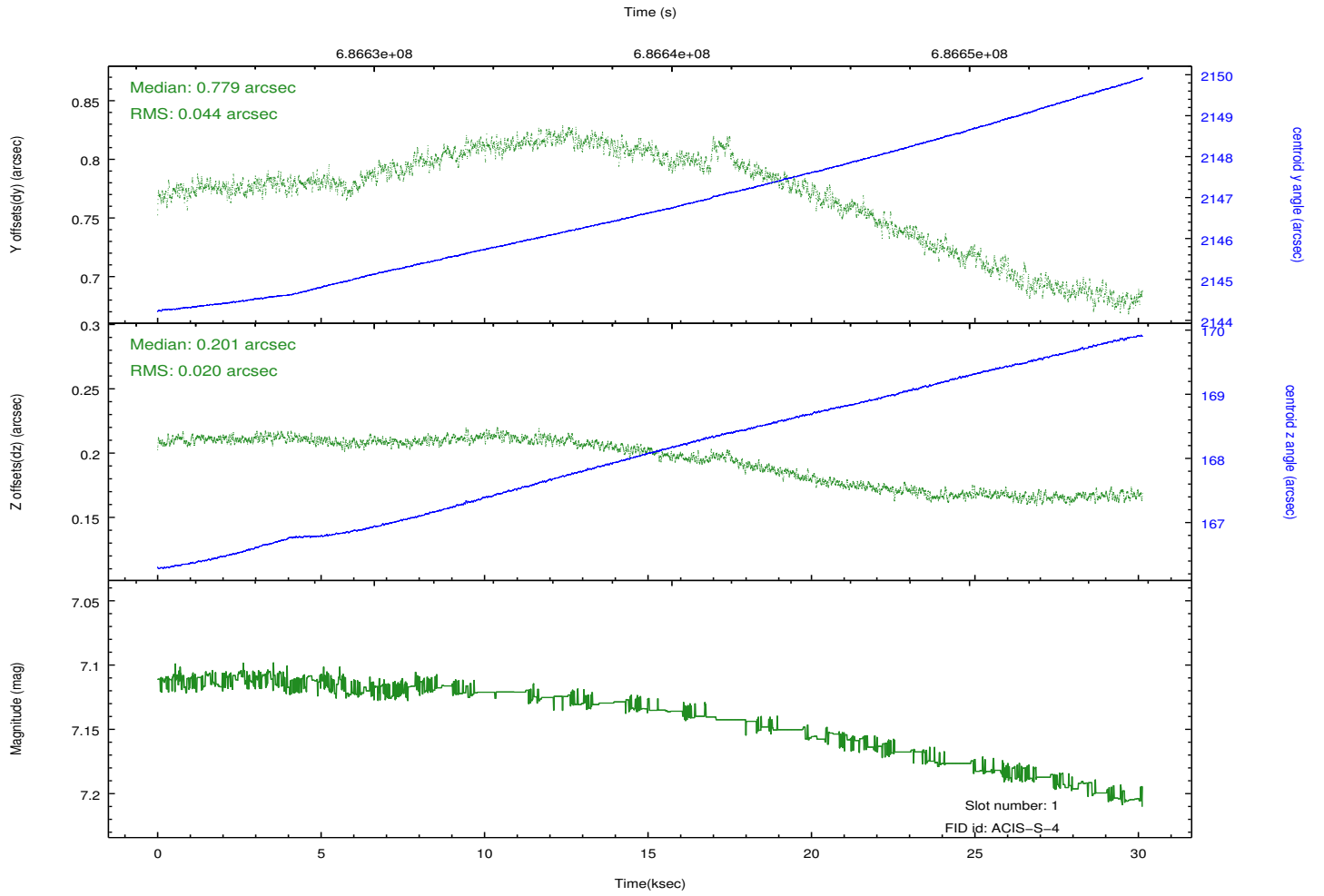
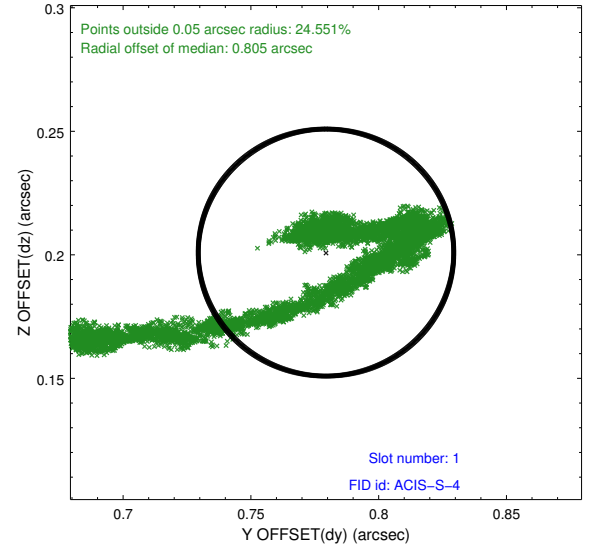
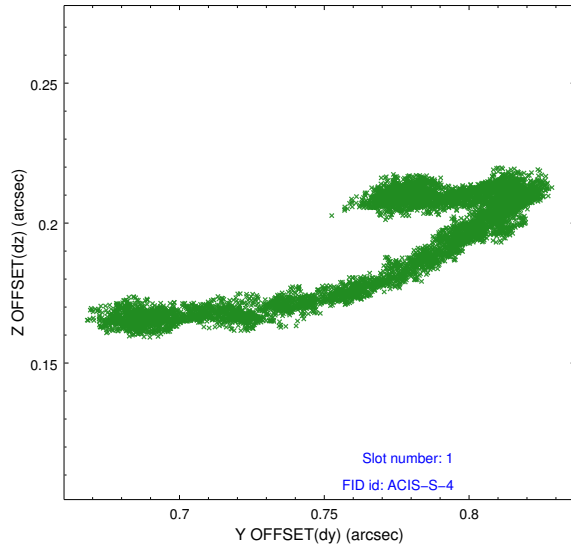


2.5 FID Slots

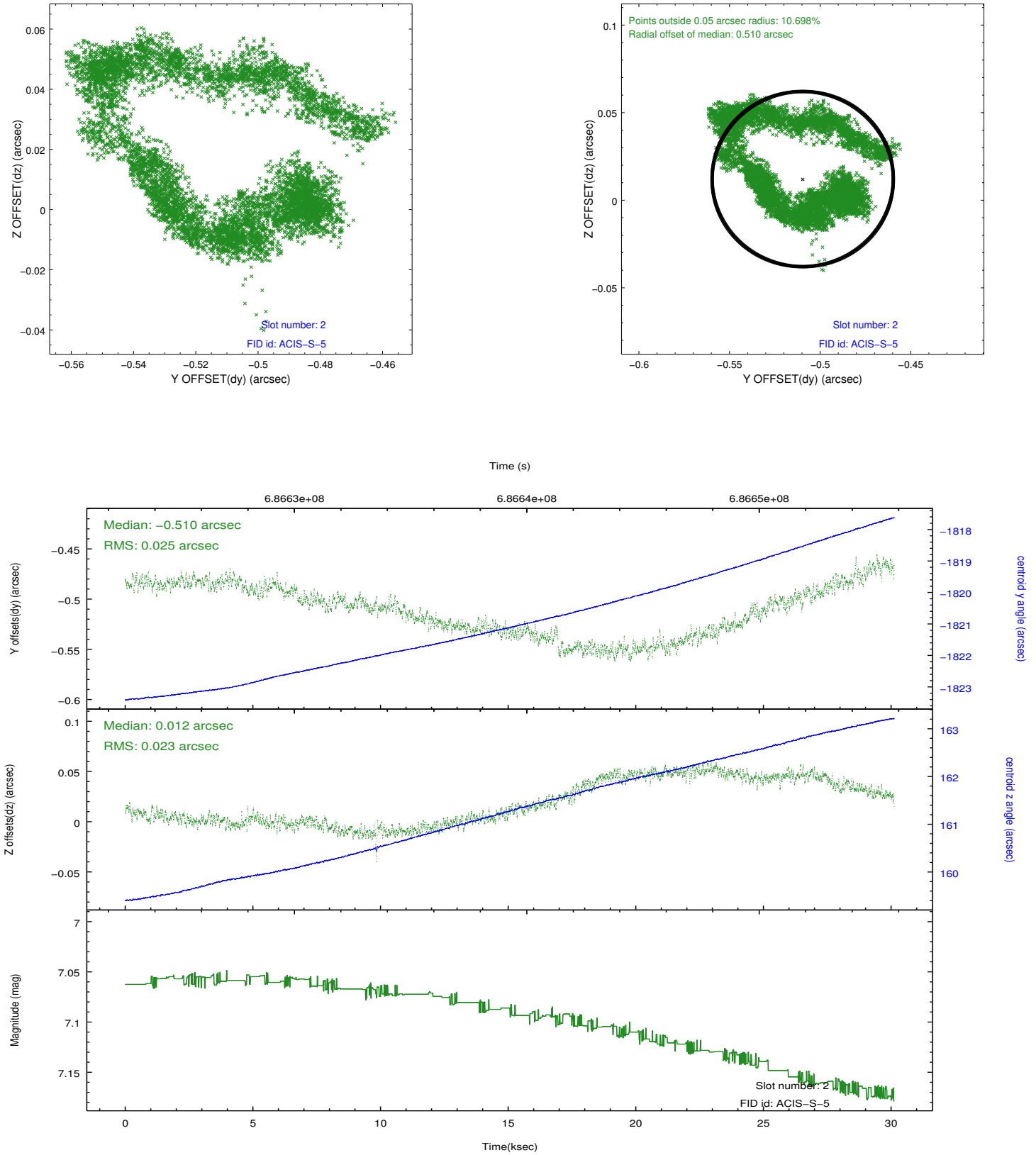
2.5.1 Slot 0



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)	2019.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.112017743349

A.2 Comments