

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22533 - L2 Version 1
Chandra X-Ray Center

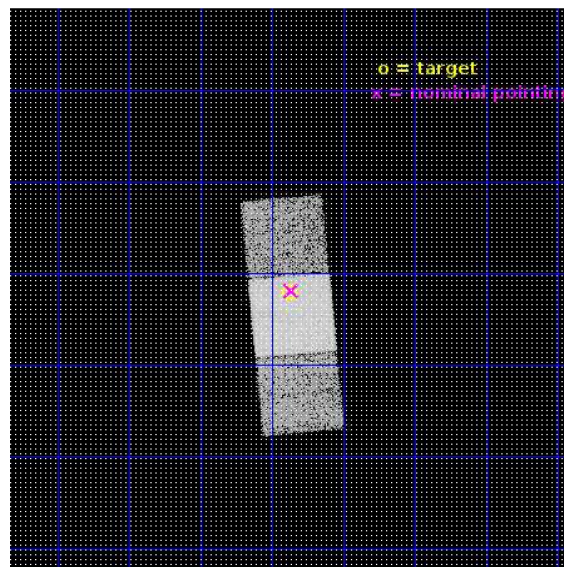
L2 Processing Date : Oct 1 2019

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1 Front

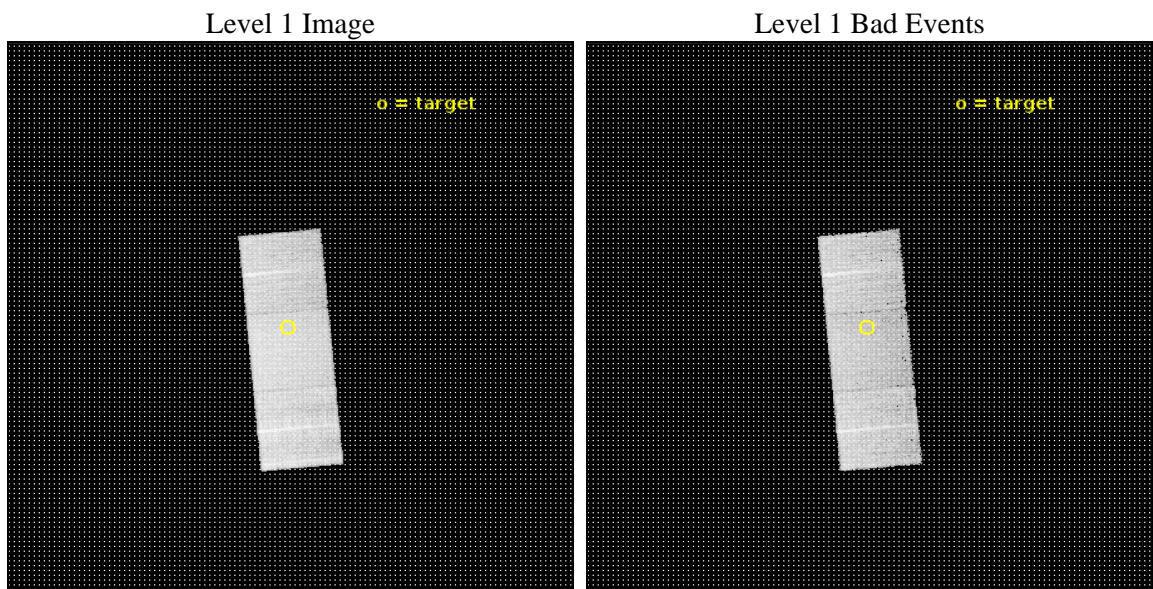
seq_num	703921	Sequence number
obs_id	22533	Observation id
title	Revealing the Full Range of X-ray Properties of Weak-Line Quasars	
observer	William Brandt	Principal investigator
object	SDSS J0827+0327	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	126.844708	Observer's specified target RA [deg]
dec_targ	3.465528	Observer's specified target Dec [deg]
ra_nom	126.84113881004	Nominal RA [deg]
dec_nom	3.4683018274167	Nominal Dec [deg]
roll_nom	84.656879760879	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10210.624184132	Sum of GTIs [s]
livetime	10077.214862214	Livetime [s]
ontime6	10210.583144188	Sum of GTIs [s]
ontime7	10210.624184132	Sum of GTIs [s]
ontime8	10210.542104125	Sum of GTIs [s]
l2events	60339	Number of level 2 events



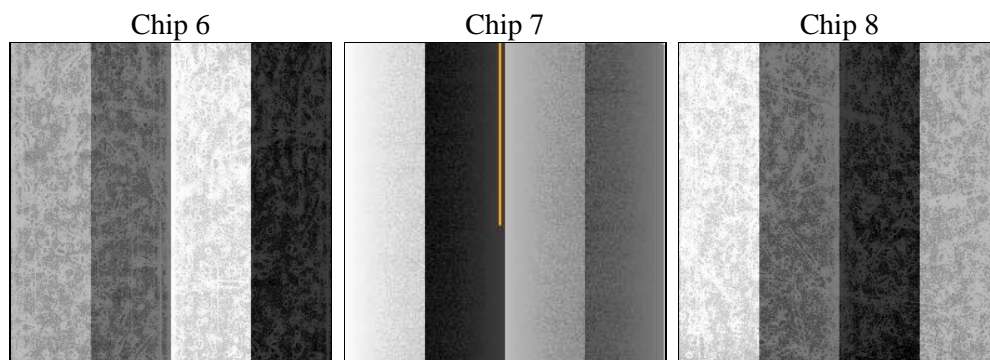
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10100.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	10210.624184132	Sum of GTIs [s]
caldsver	4.8.4.1	 	ontime6	10210.583144188	Sum of GTIs [s]
date	2019-10-01T14:58:13	Date and time of file creation	ontime7	10210.624184132	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	10210.542104125	Sum of GTIs [s]
			l1events	279597	Number of level 1 events

2.1.4 Events

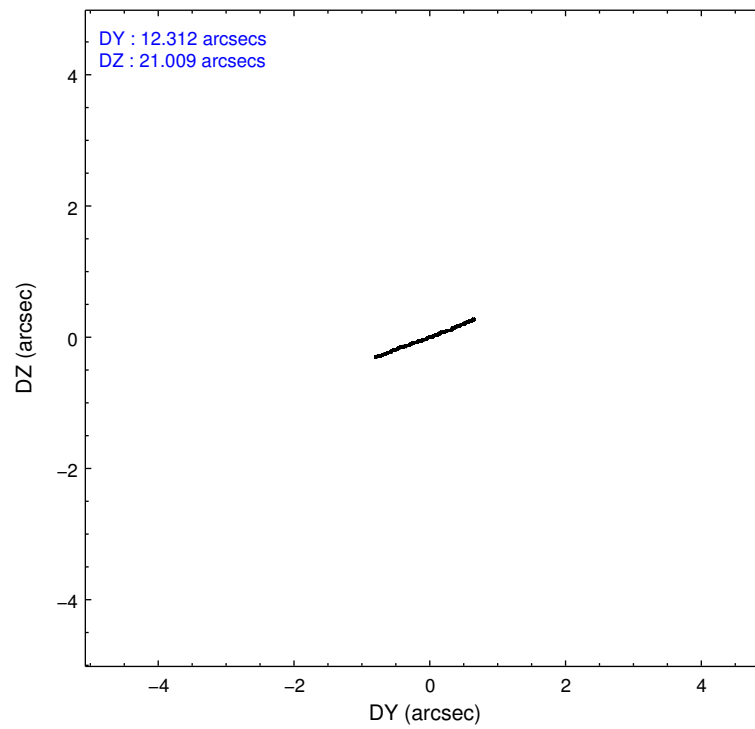
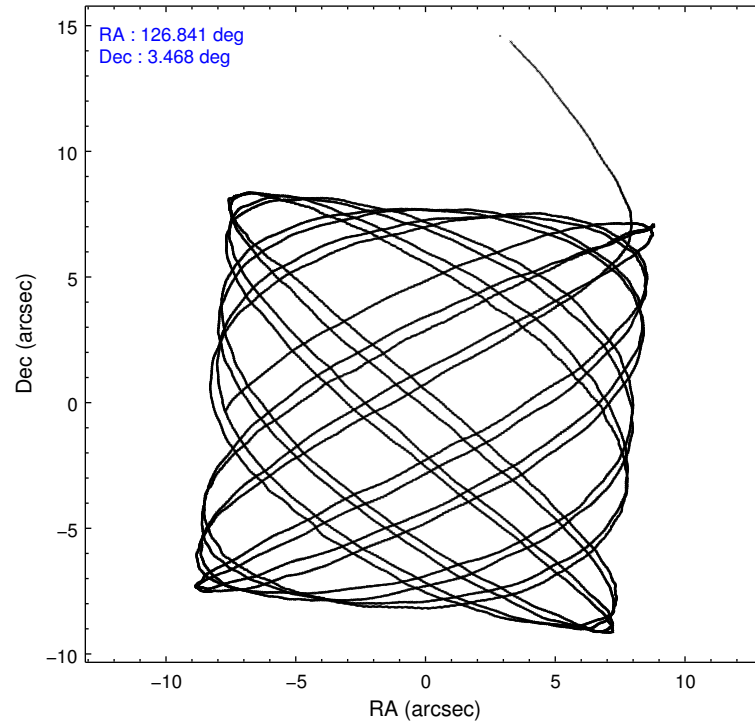
	ccd 6	ccd 7	ccd 8
level 1 events	77113	99647	102837
rejected events	68152	55764	72966
rejected %	88%	55%	70%

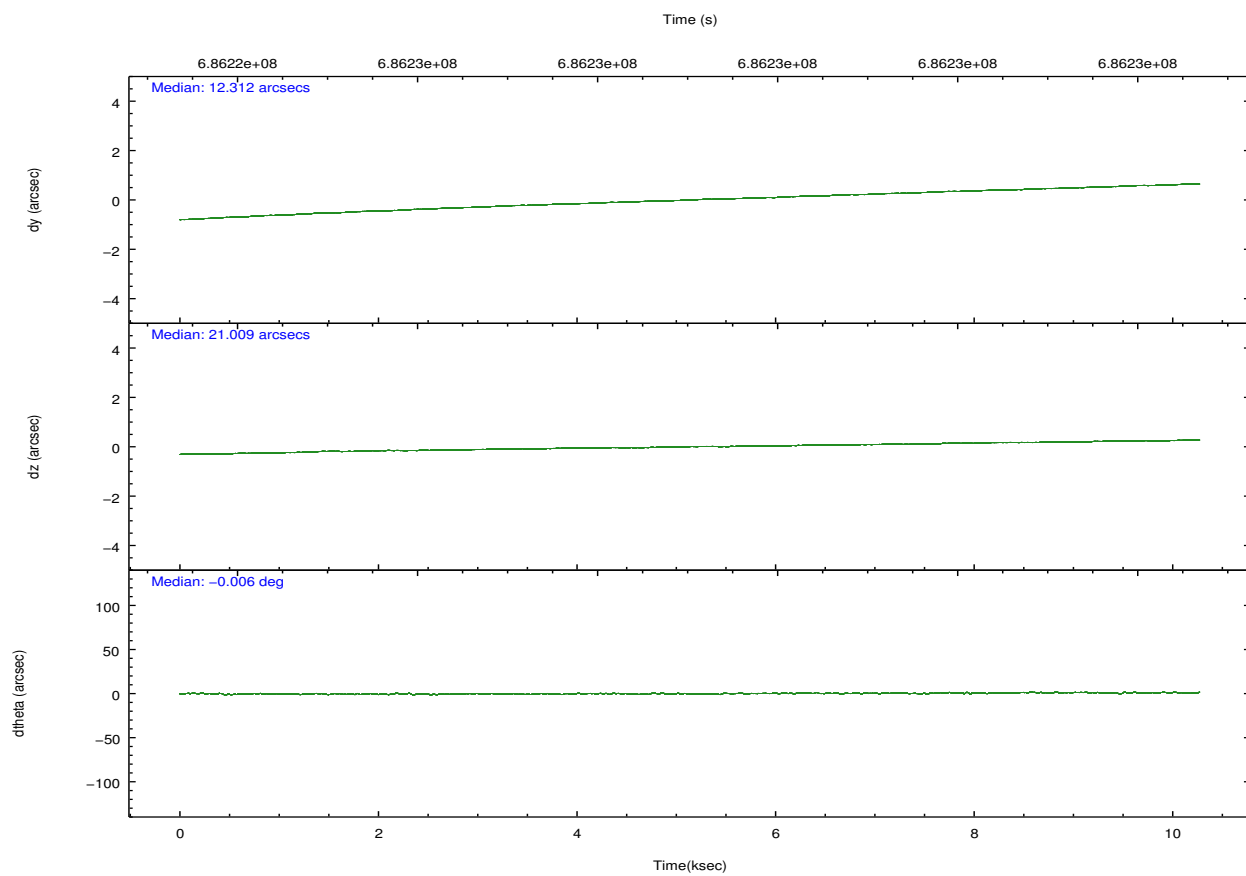
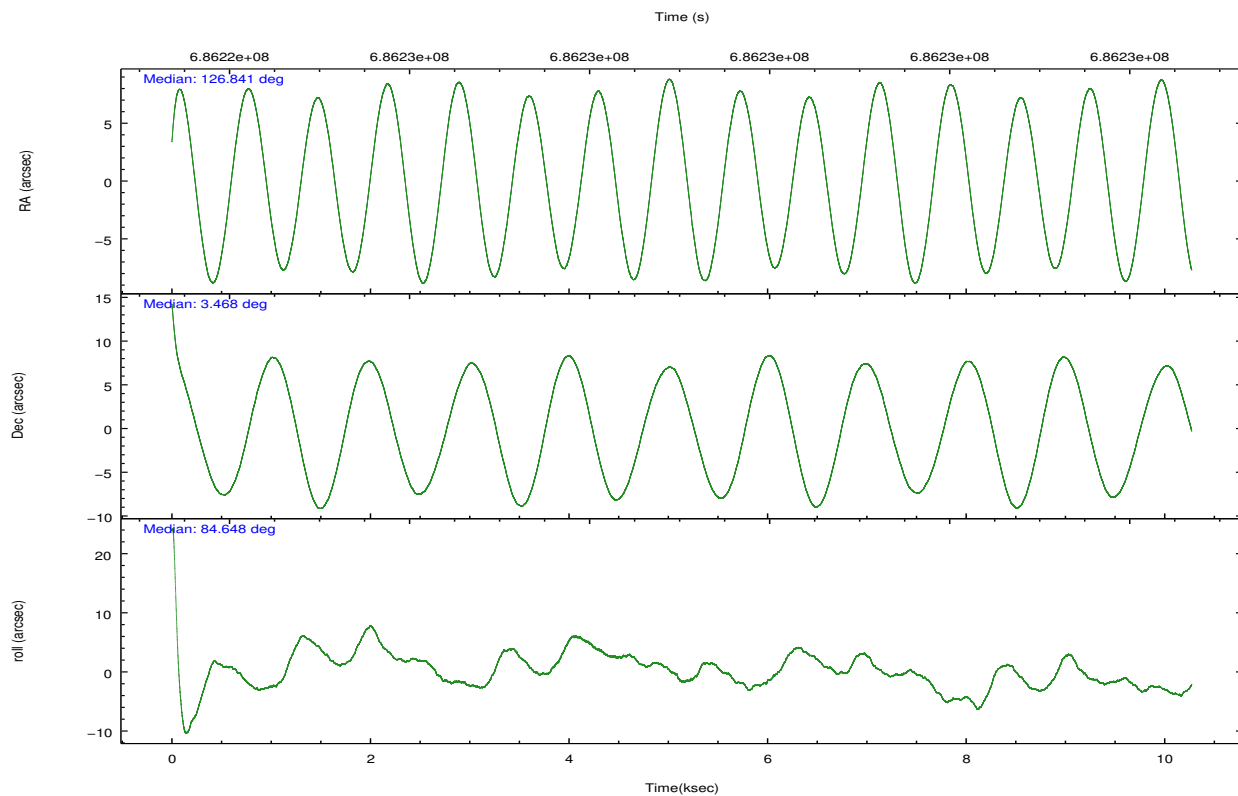
	ccd 6	ccd 7	ccd 8
grade 0 events	3037	3705	8777
	3%	3%	8%
grade 1 events	47	160	99
	0%	0%	0%
grade 2 events	2092	9466	7217
	2%	9%	7%
grade 3 events	856	3423	3021
	1%	3%	2%
grade 4 events	901	3547	2834
	1%	3%	2%
grade 5 events	3683	9828	5742
	4%	9%	5%
grade 6 events	2083	23759	8031
	2%	23%	7%
grade 7 events	64414	45759	67116
	83%	45%	65%

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	126.852919	126.8411388100382	CCD I2 on	N	N
[deg] Pointing Dec	3.443472	3.468301827416708	CCD I3 on	N	N
[deg] Pointing Roll	84.499511	84.65687976087911	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)	686224053.184000	686222898.24783	CCD S5 on	N	N
Observation start date	2019-09-30T09:46:24	2019-09-30T09:28:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	686234153.184000	686235152.63607	On-chip summing requested	N	N
Observation end date	2019-09-30T12:34:44	2019-09-30T12:52:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



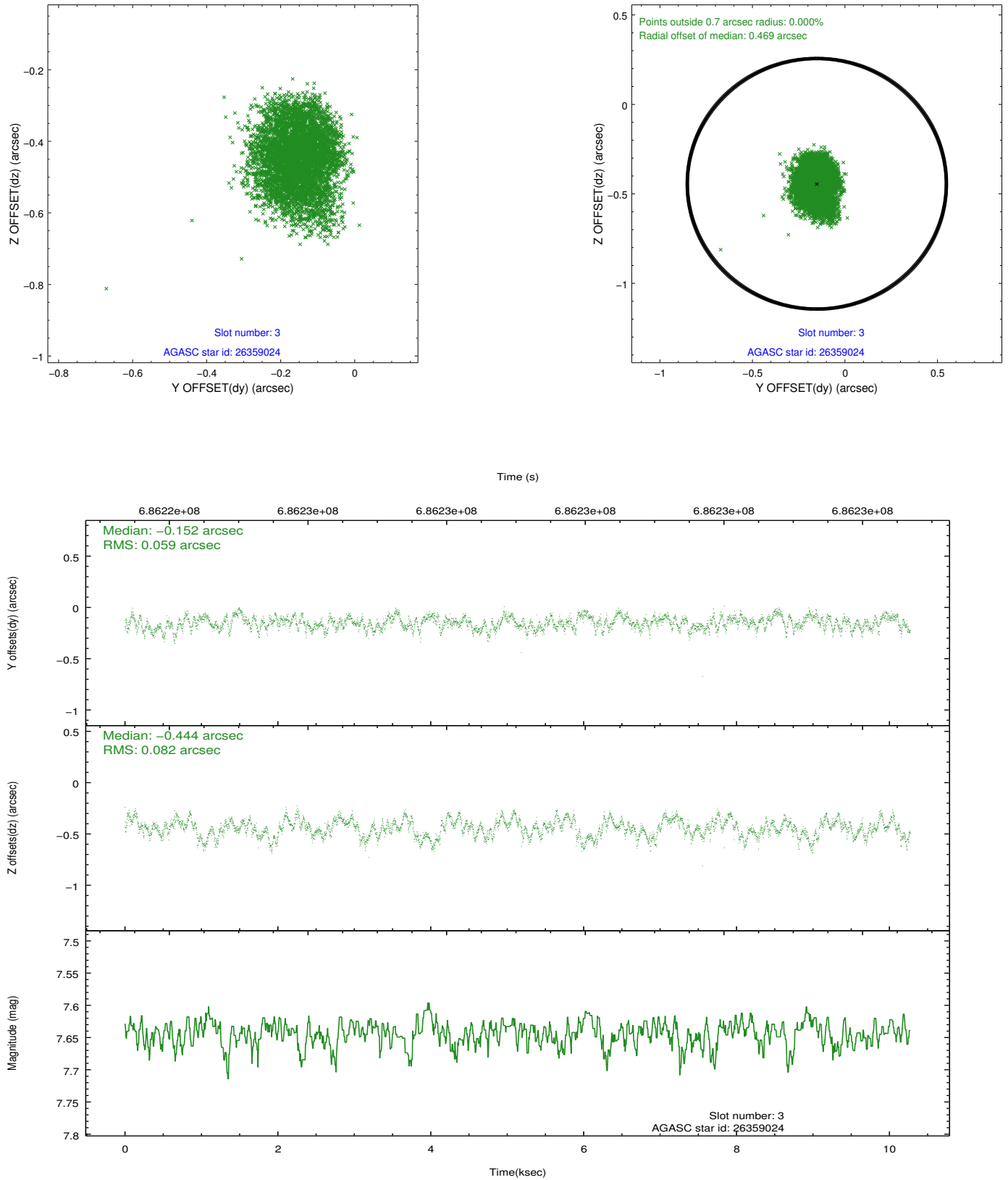


Slot Statistics

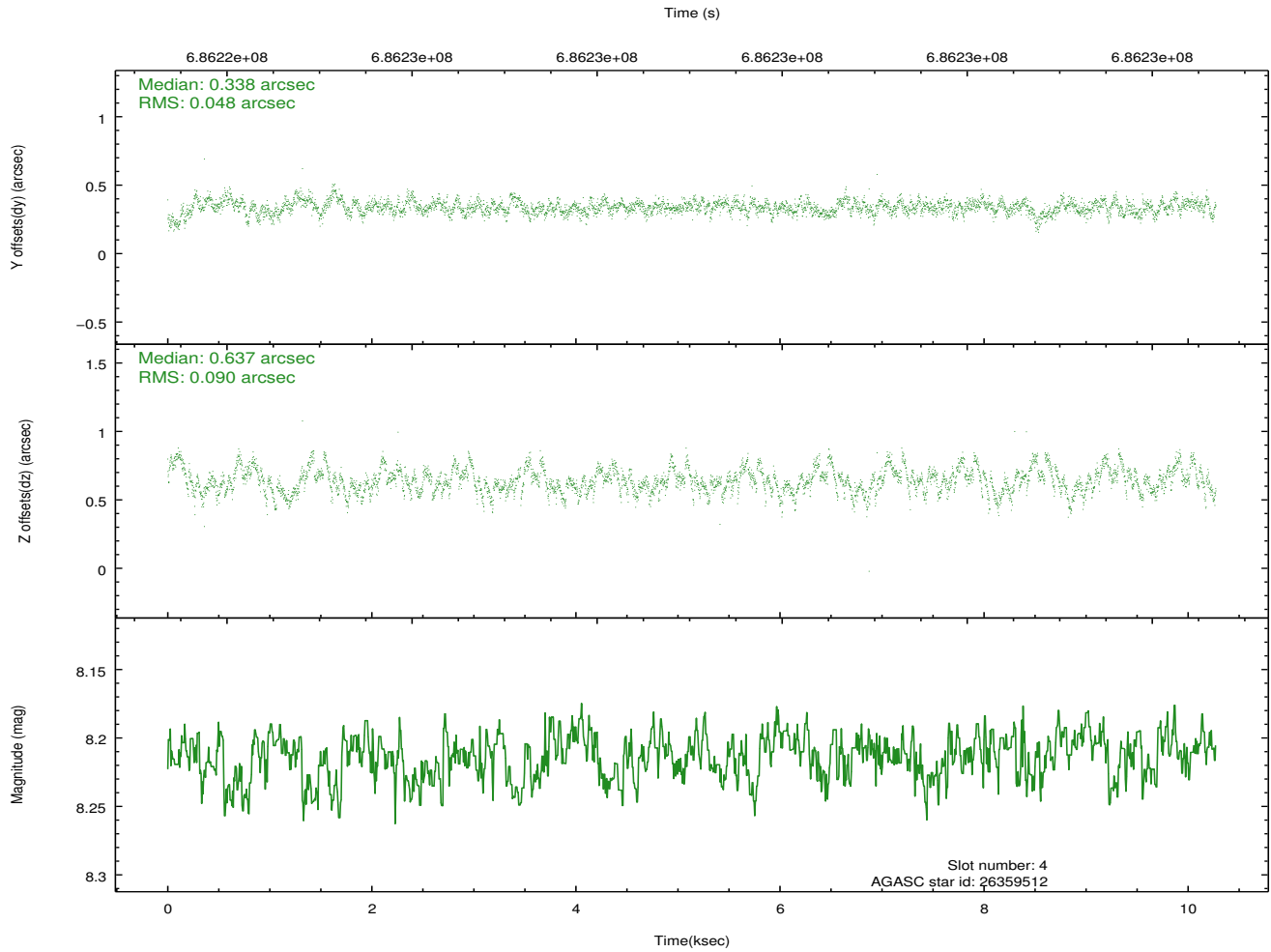
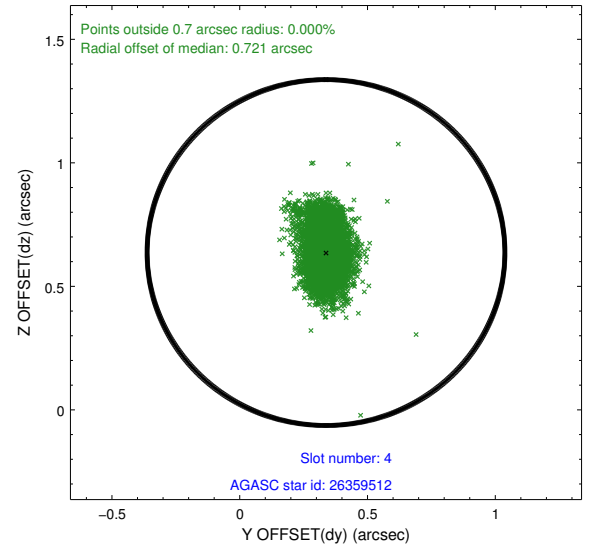
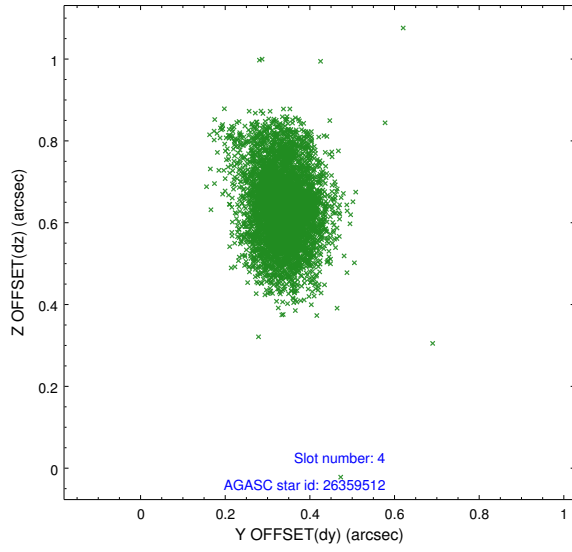
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.97	2506	1.000	-0.252	-0.104	0.024	0.036	0.000000	0.000000	-765.37	-1742
1	FID		ACIS-S-4	7.10	2506	1.000	0.601	0.150	0.016	0.037	0.000000	0.000000	2148.46	165
2	FID		ACIS-S-5	7.09	2506	1.000	-0.383	-0.036	0.034	0.049	0.000000	0.000000	-1817.76	159
3	GUIDE	used	26359024	7.64	5011	1.000	-0.152	-0.444	0.110	0.169	126.849721	3.692437	890.81	96
4	GUIDE	used	26359512	8.21	5006	1.000	0.338	0.637	0.105	0.185	127.368527	3.094504	-1070.97	-1964
5	GUIDE	used	26360688	9.09	5005	1.000	0.309	0.466	0.143	0.240	127.385910	3.288762	-369.87	-1960
6	GUIDE	used	26363152	8.31	5011	1.000	-0.293	-0.324	0.111	0.168	126.399267	3.490836	13.54	1638
7	GUIDE	used	26869904	9.18	5004	1.000	-0.198	-0.318	0.150	0.236	126.769814	3.979879	1893.31	482

2.4 Star Slots

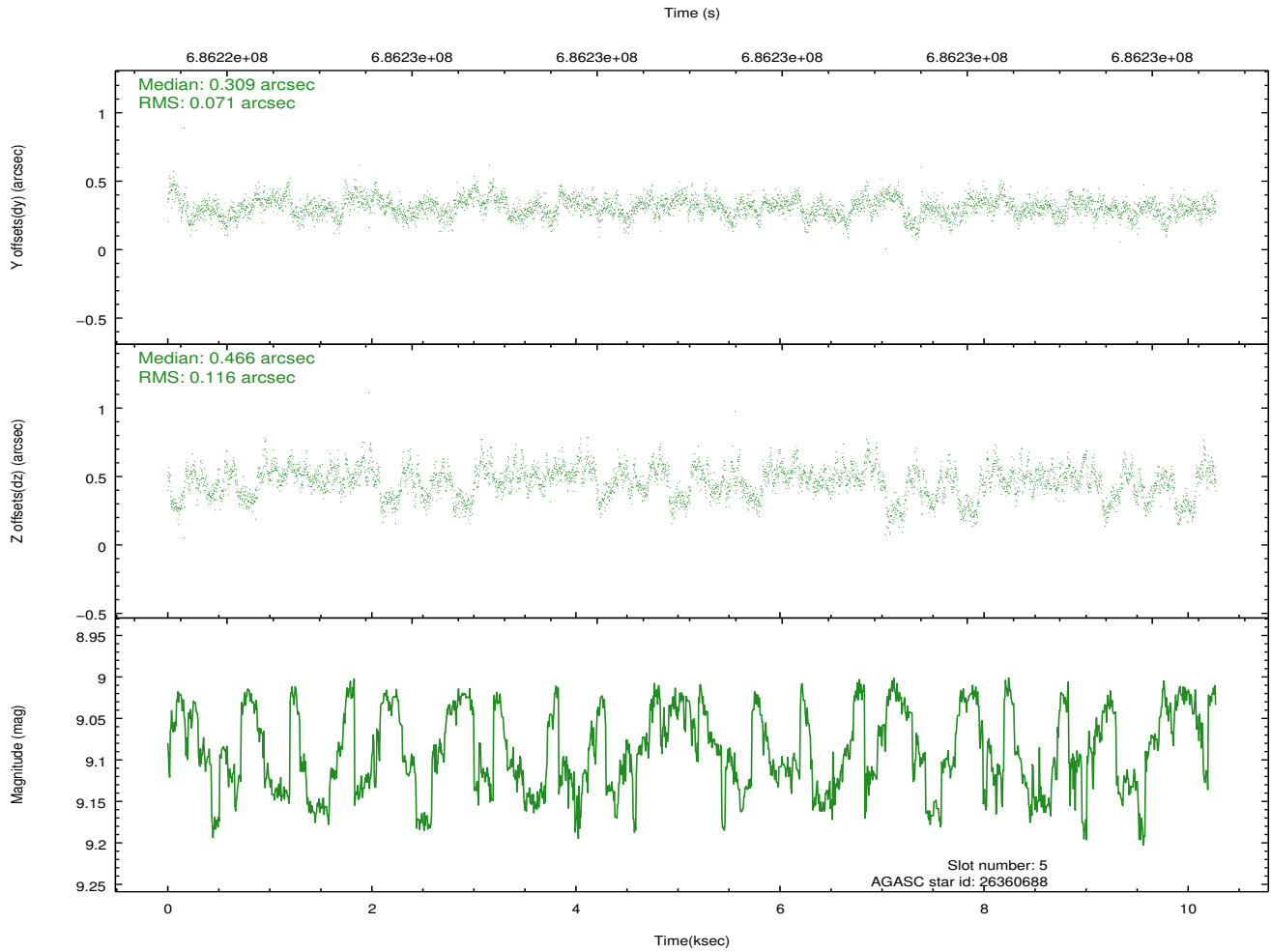
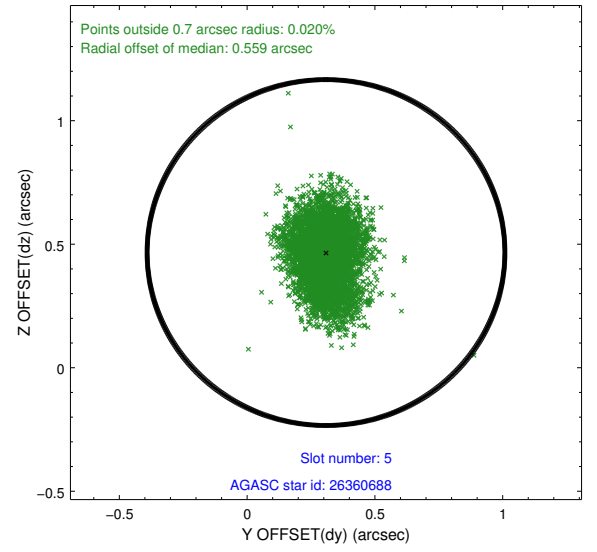
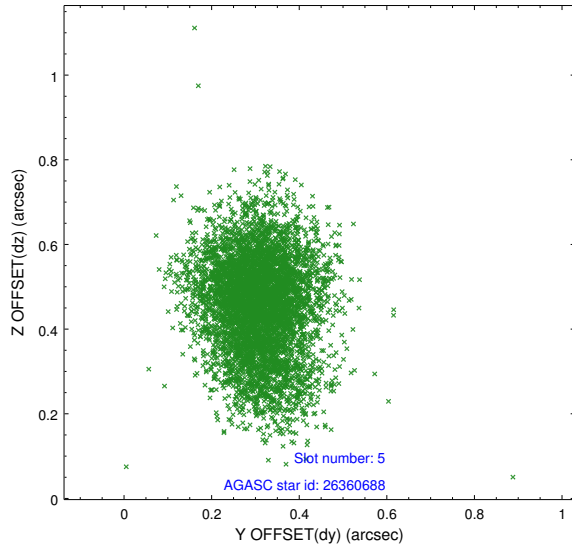
2.4.1 Slot 3



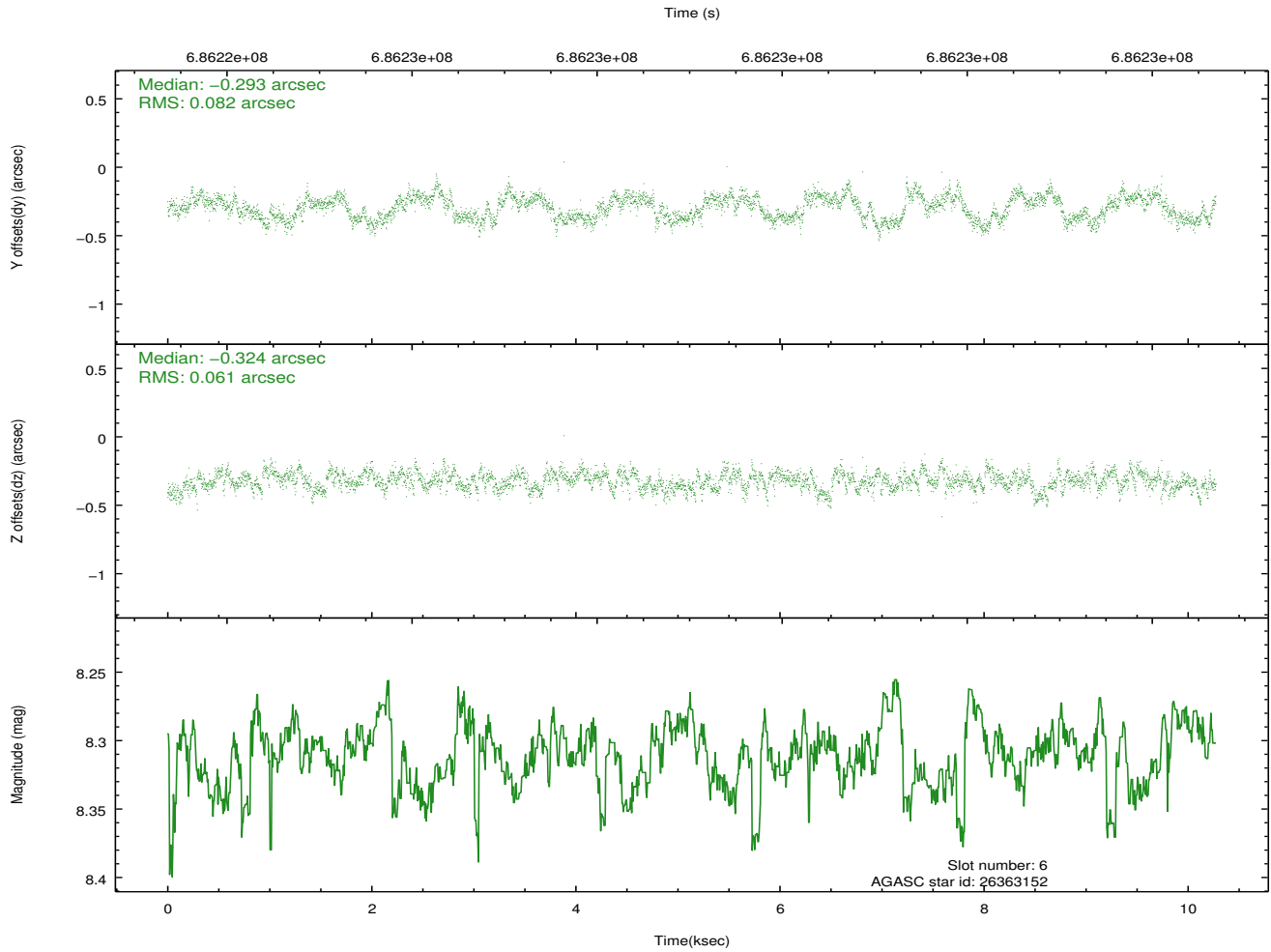
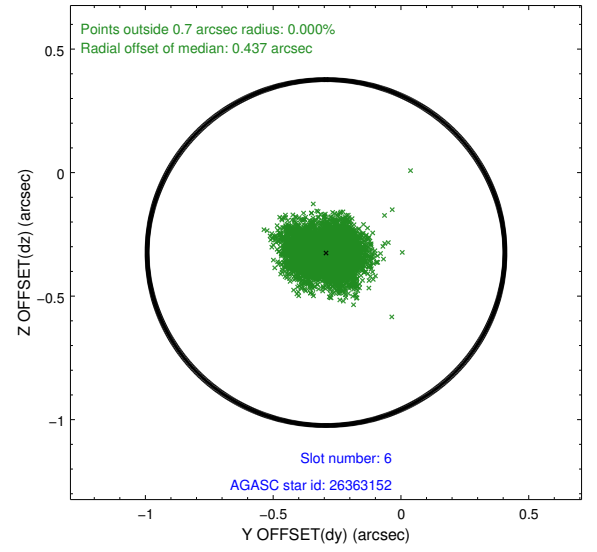
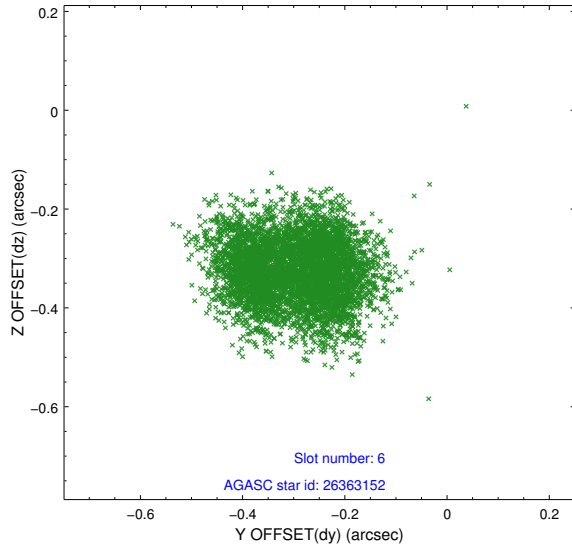
2.4.2 Slot 4



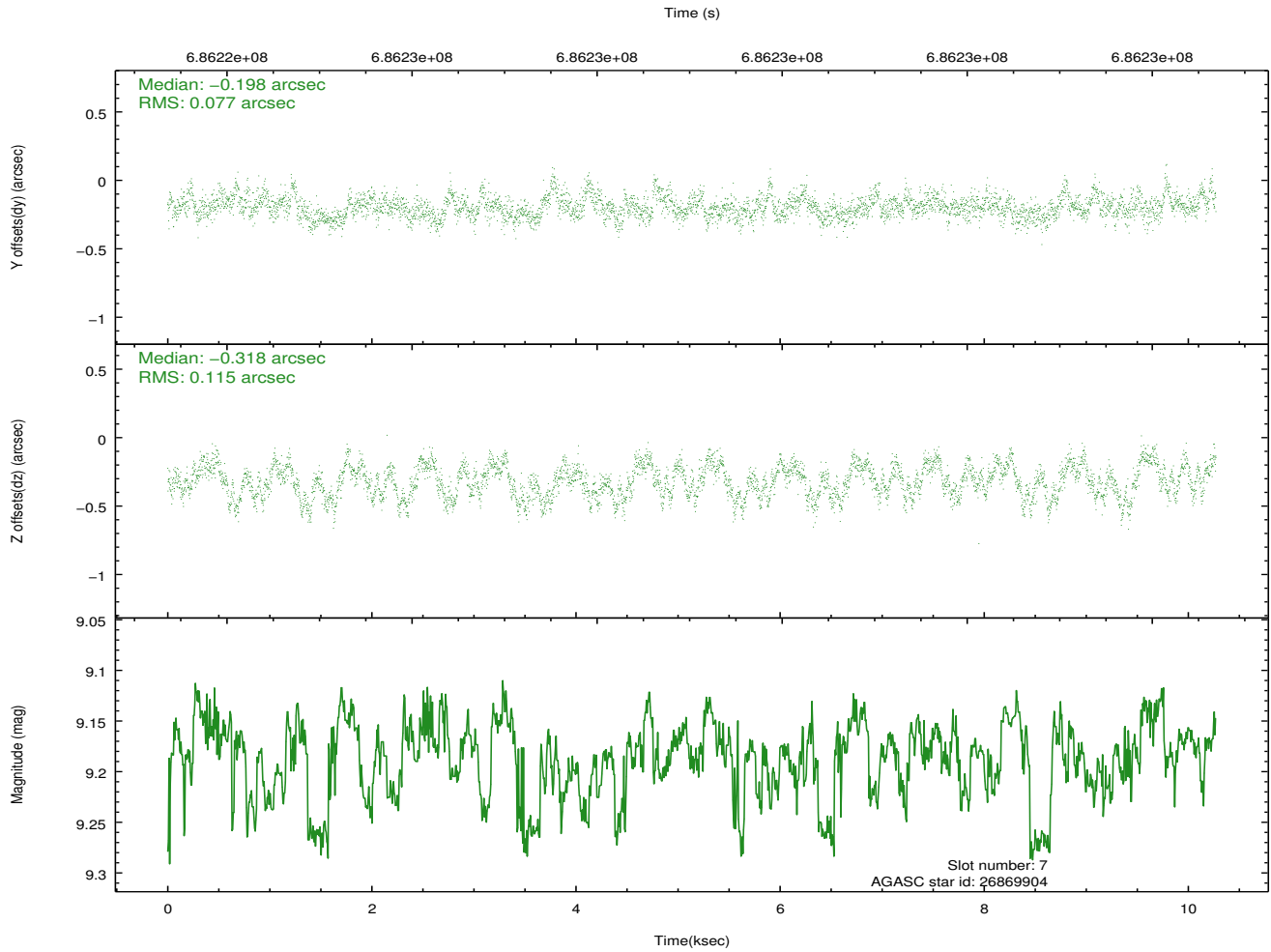
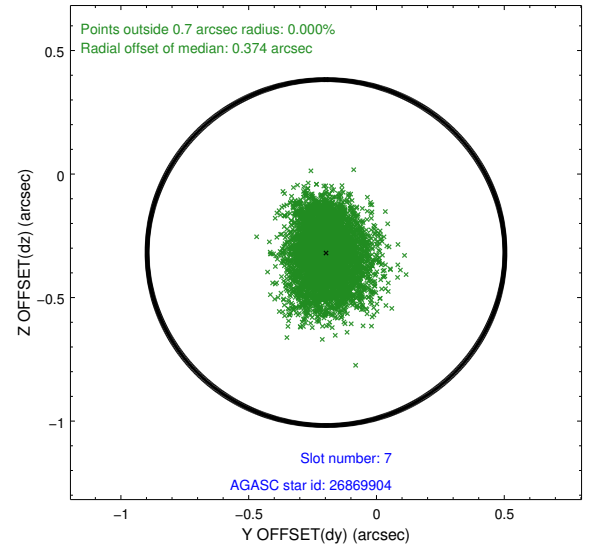
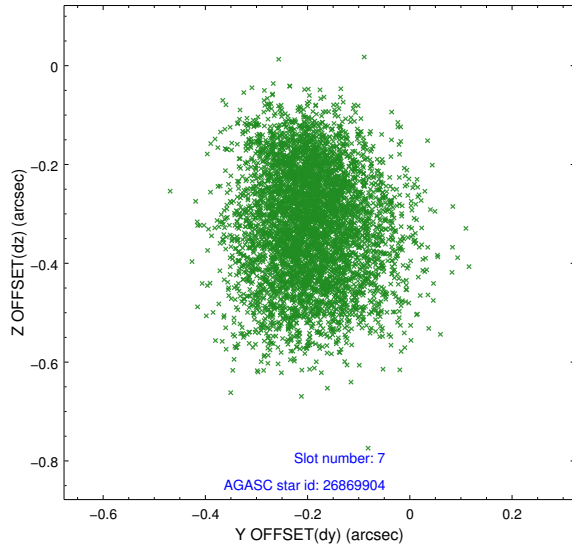
2.4.3 Slot 5



2.4.4 Slot 6

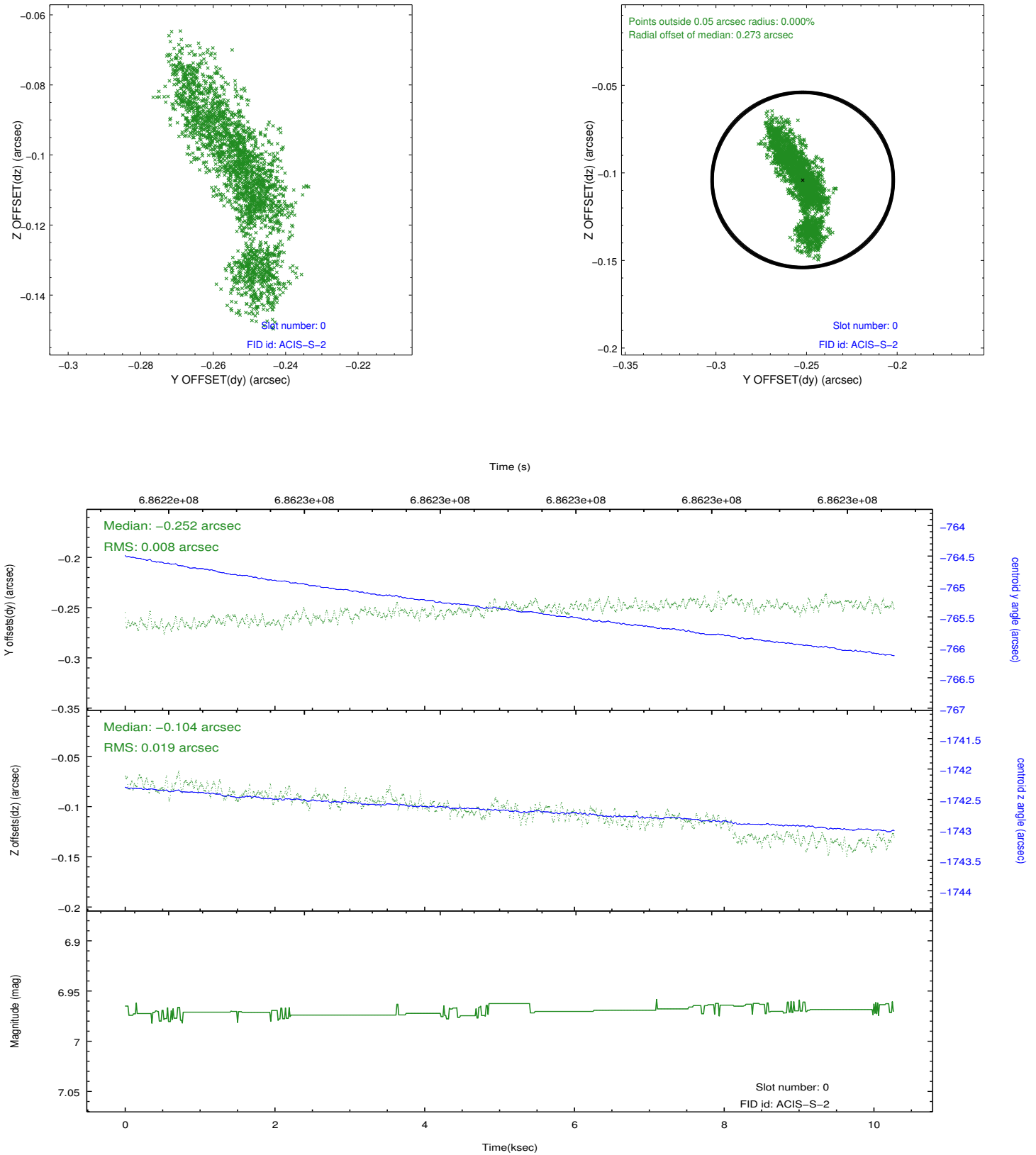


2.4.5 Slot 7

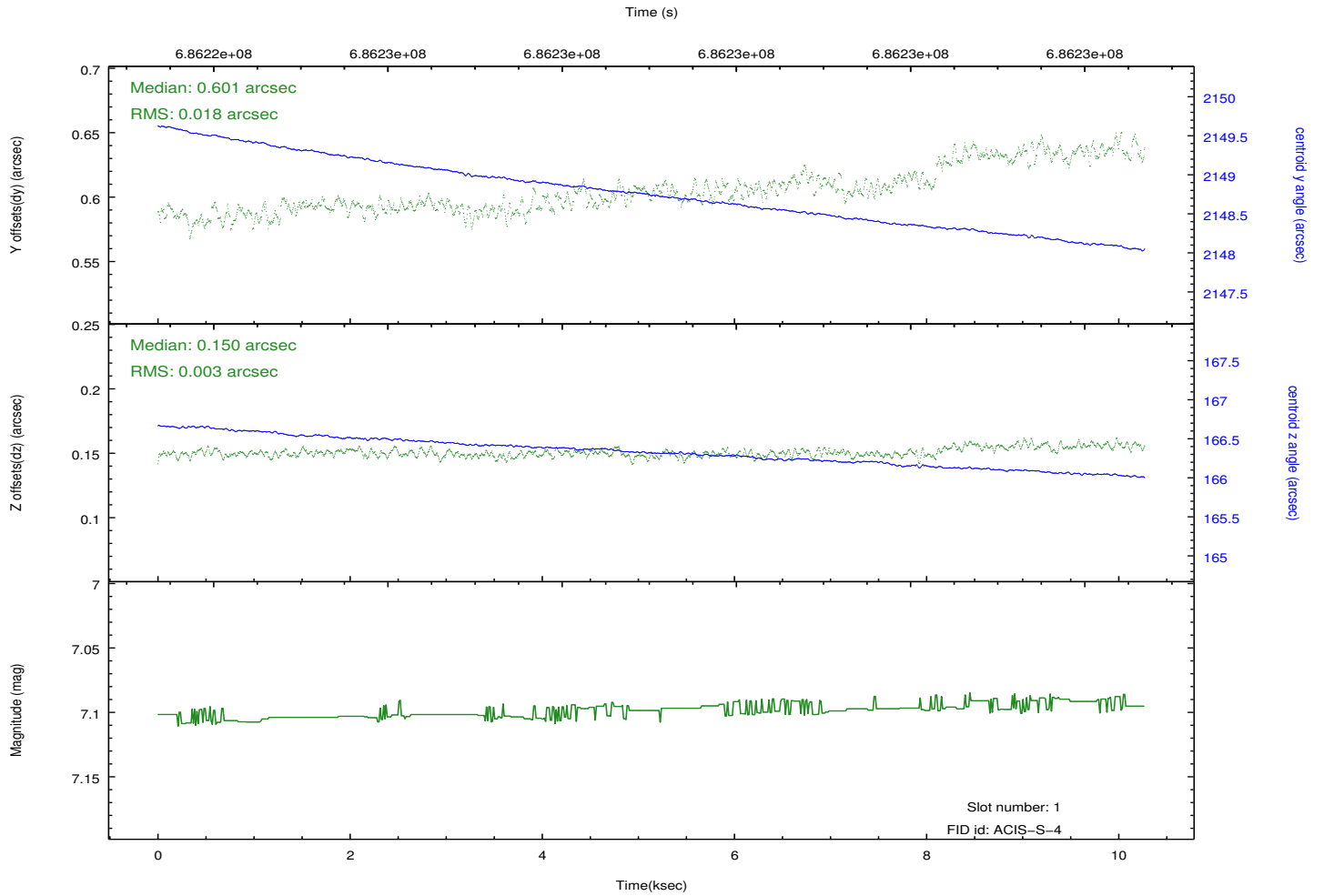
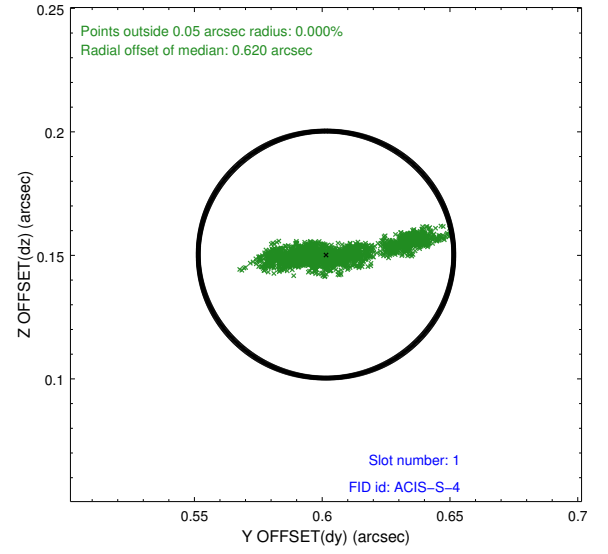
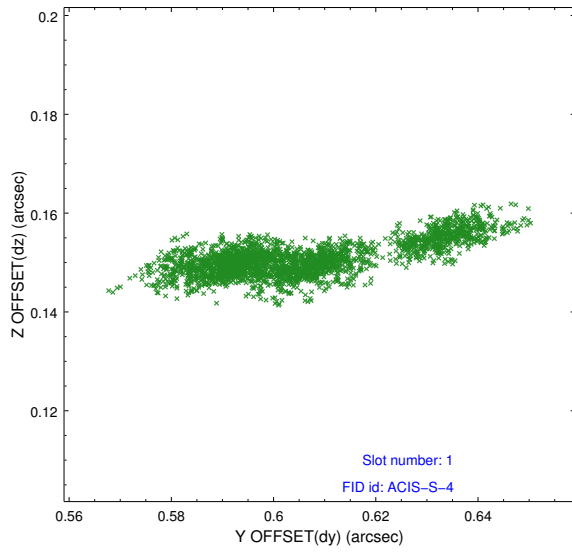


2.5 FID Slots

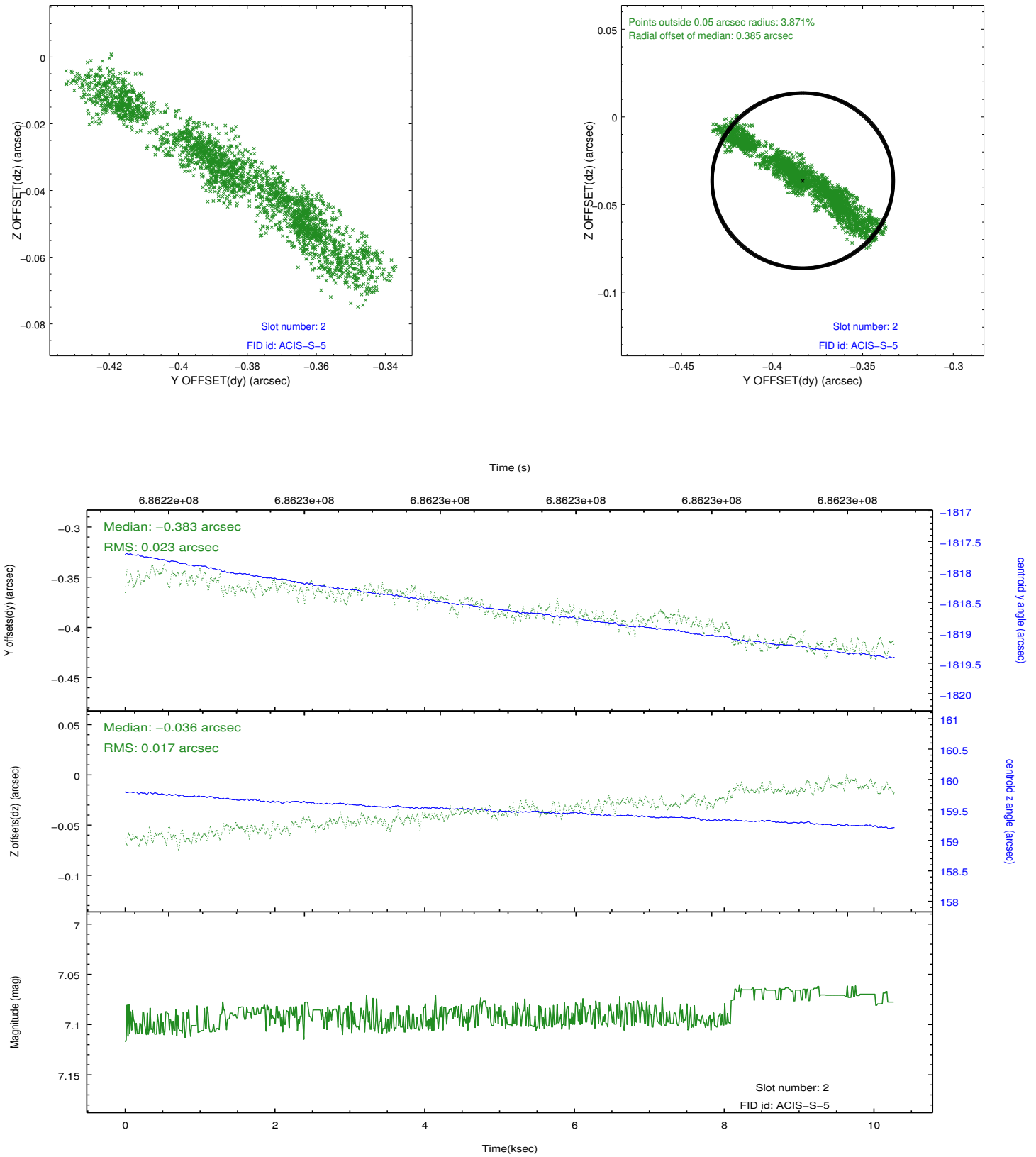
2.5.1 Slot 0



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)	2019.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.210624184132

A.2 Comments