

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22524 - L2 Version 1
Chandra X-Ray Center

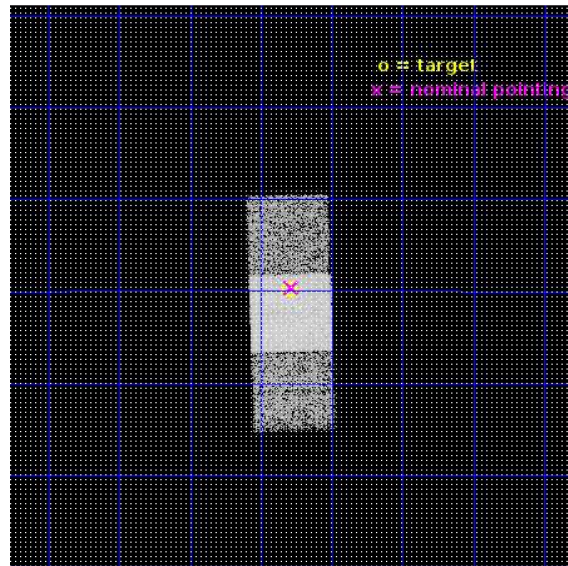
L2 Processing Date : Sep 14 2019

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1 Front

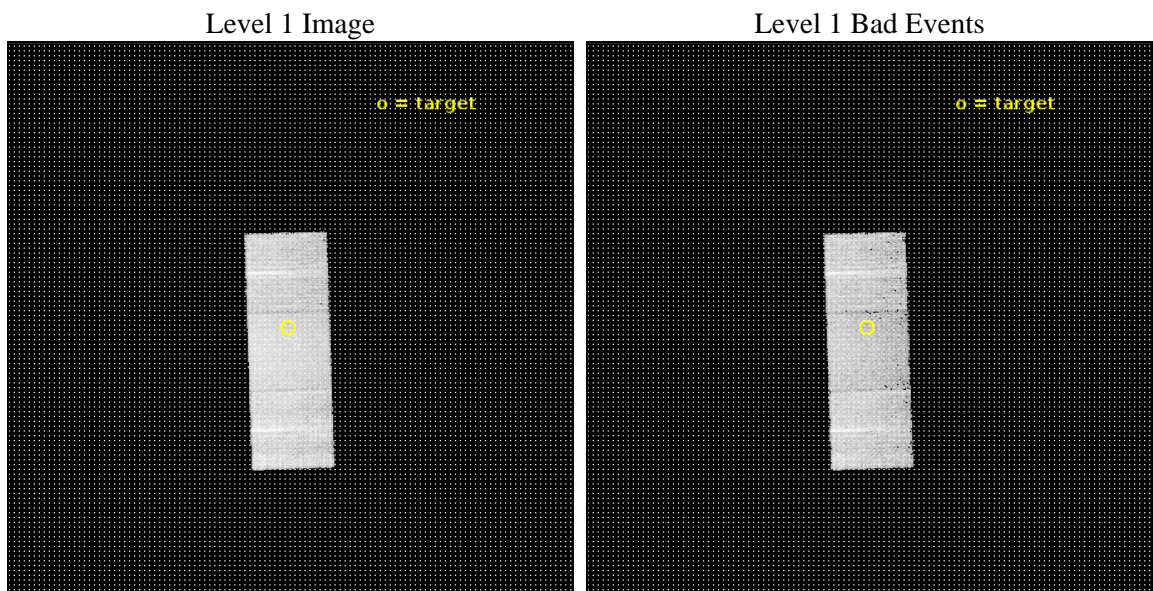
seq_num	703912	Sequence number
obs_id	22524	Observation id
title	Unveiling the Quiescent Accretion State of AGN with Fading Changing-Look Quasars	Proposal title
observer	John Ruan	Principal investigator
object	SDSS J012648.08-083948.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	21.700417	Observer's specified target RA [deg]
dec_targ	-8.663361	Observer's specified target Dec [deg]
ra_nom	21.69642702616	Nominal RA [deg]
dec_nom	-8.6602640248071	Nominal Dec [deg]
roll_nom	88.156040880396	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7926.7000610828	Sum of GTIs [s]
livetime	7823.1318892331	Livetime [s]
ontime6	7926.7000610828	Sum of GTIs [s]
ontime7	7926.7000610828	Sum of GTIs [s]
ontime8	7914.1357902288	Sum of GTIs [s]
l2events	45874	Number of level 2 events



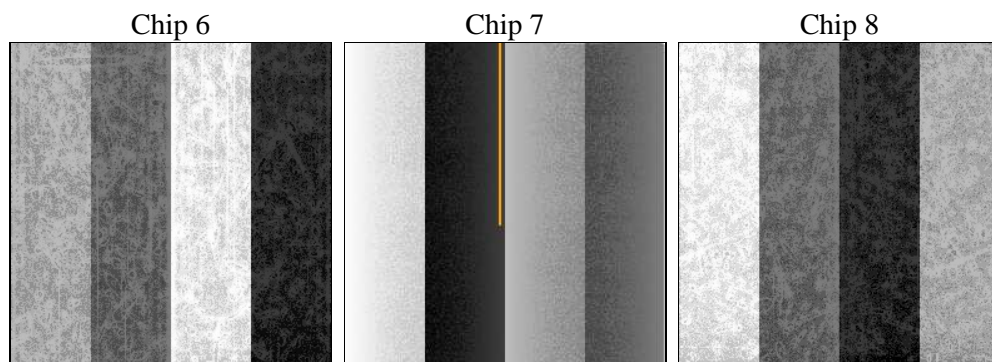
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	7926.7000610828	Sum of GTIs [s]
caldsver	4.8.4.1	 	ontime6	7926.7000610828	Sum of GTIs [s]
date	2019-09-14T23:34:17	Date and time of file creation	ontime7	7926.7000610828	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	7914.1357902288	Sum of GTIs [s]
			l1events	226348	Number of level 1 events

2.1.4 Events

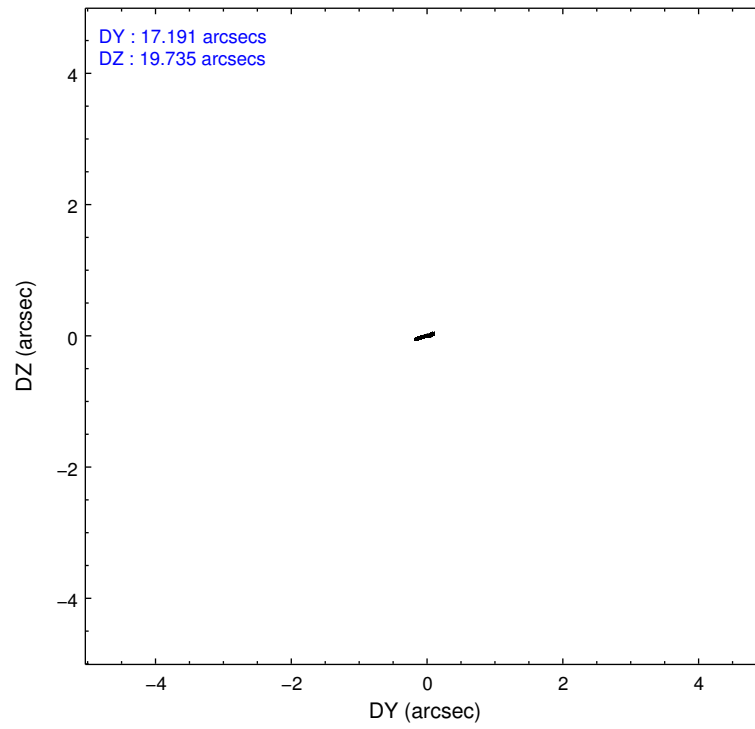
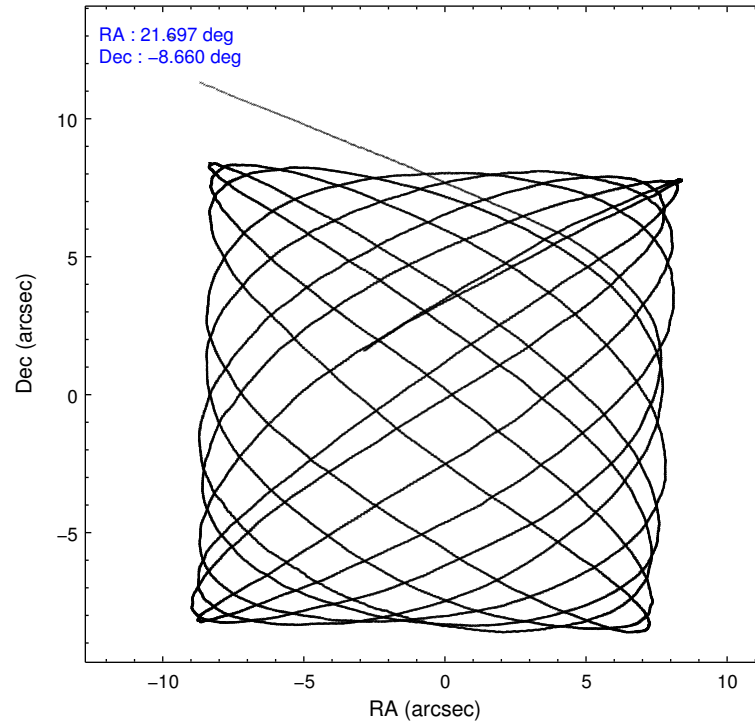
	ccd 6	ccd 7	ccd 8
level 1 events	64155	79332	82861
rejected events	57215	45298	63397
rejected %	89%	57%	76%

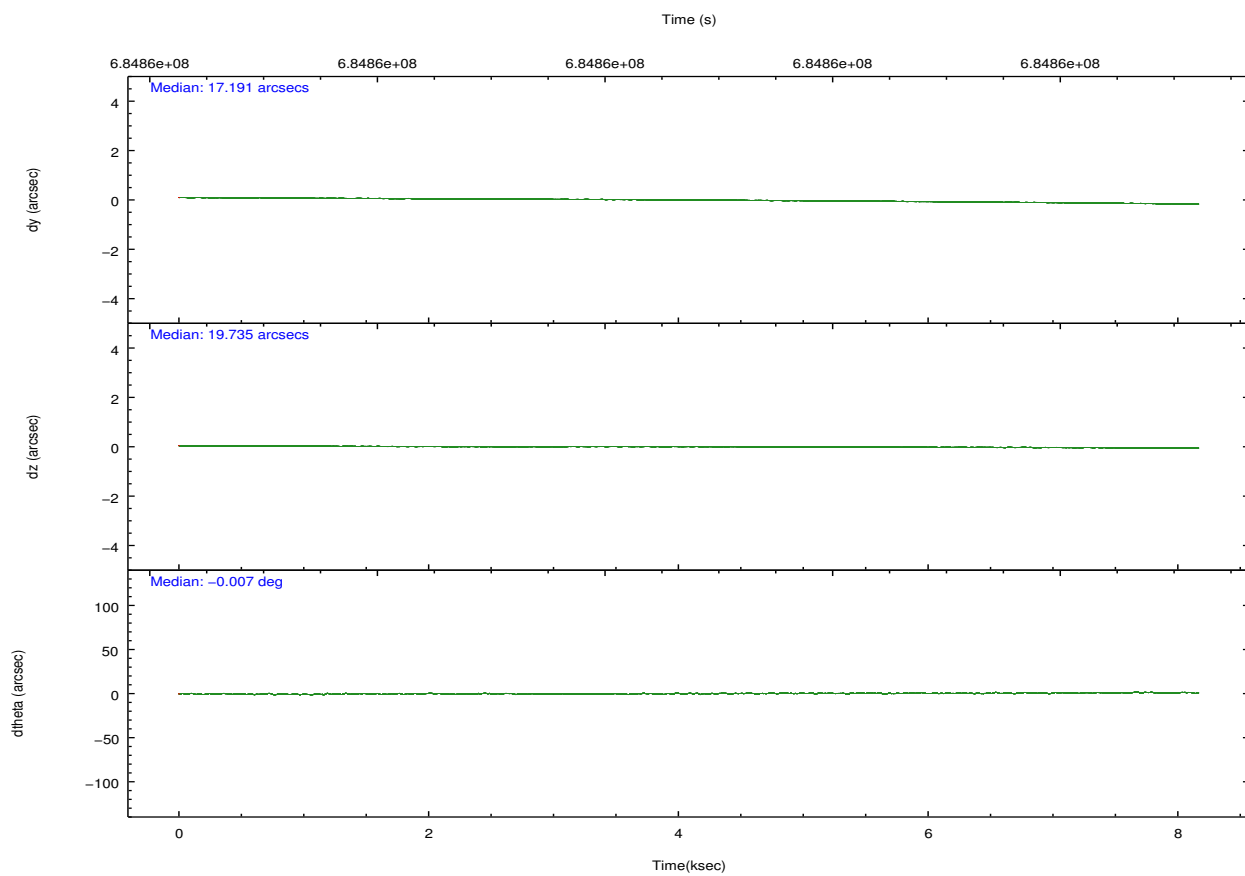
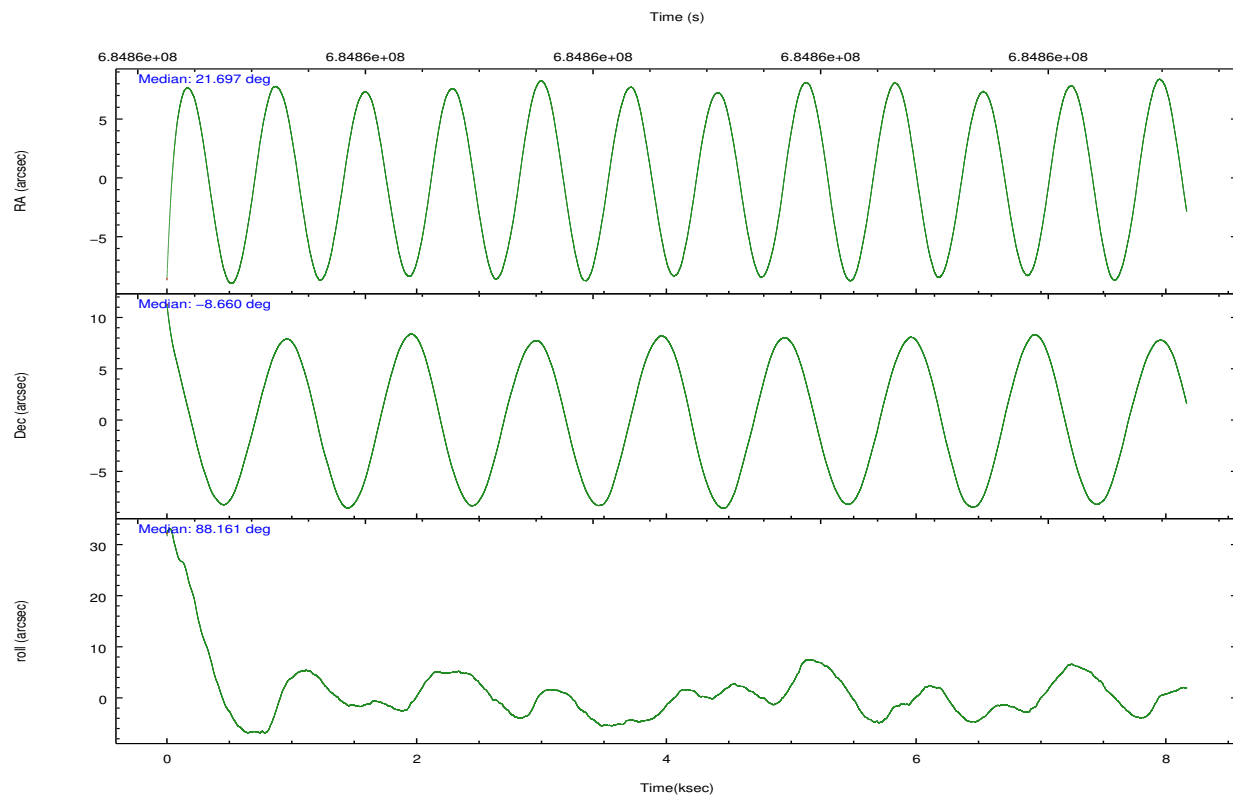
	ccd 6	ccd 7	ccd 8
grade 0 events	1827	2937	5367
	2%	3%	6%
grade 1 events	30	119	57
	0%	0%	0%
grade 2 events	2089	7143	4822
	3%	9%	5%
grade 3 events	476	2639	1957
	0%	3%	2%
grade 4 events	521	2513	1884
	0%	3%	2%
grade 5 events	2407	7566	3914
	3%	9%	4%
grade 6 events	2029	18818	5437
	3%	23%	6%
grade 7 events	54776	37597	59423
	85%	47%	71%

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	21.709820	21.69642702616042	CCD I2 on	N	N
[deg] Pointing Dec	-8.684318	-8.660264024807081	CCD I3 on	N	N
[deg] Pointing Roll	88.001419	88.15604088039626	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)	684856813.184000	684855868.99052	CCD S5 on	N	N
Observation start date	2019-09-14T13:59:04	2019-09-14T13:44:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	684864813.184000	684865884.26613	On-chip summing requested	N	N
Observation end date	2019-09-14T16:12:24	2019-09-14T16:31:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



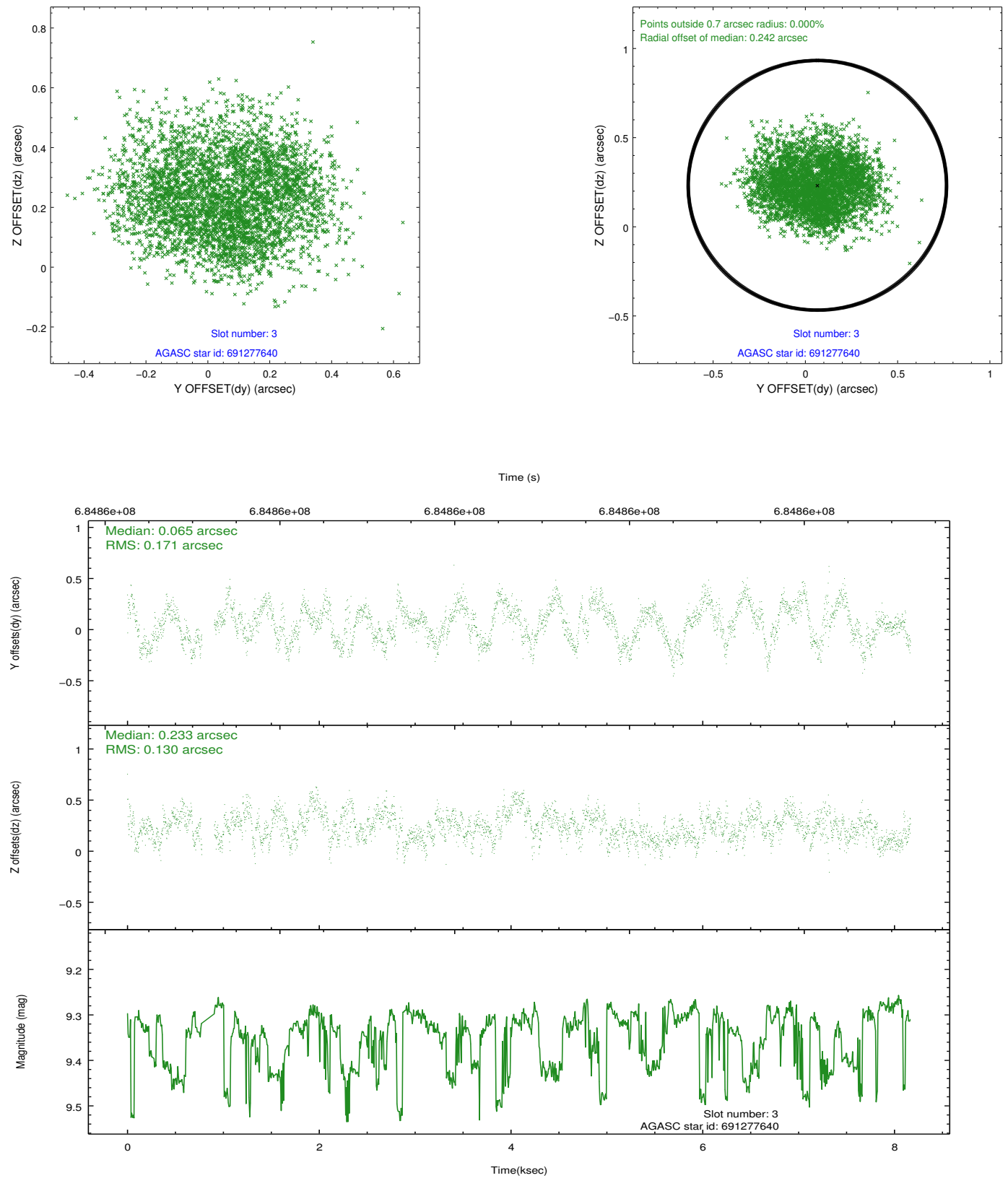


Slot Statistics

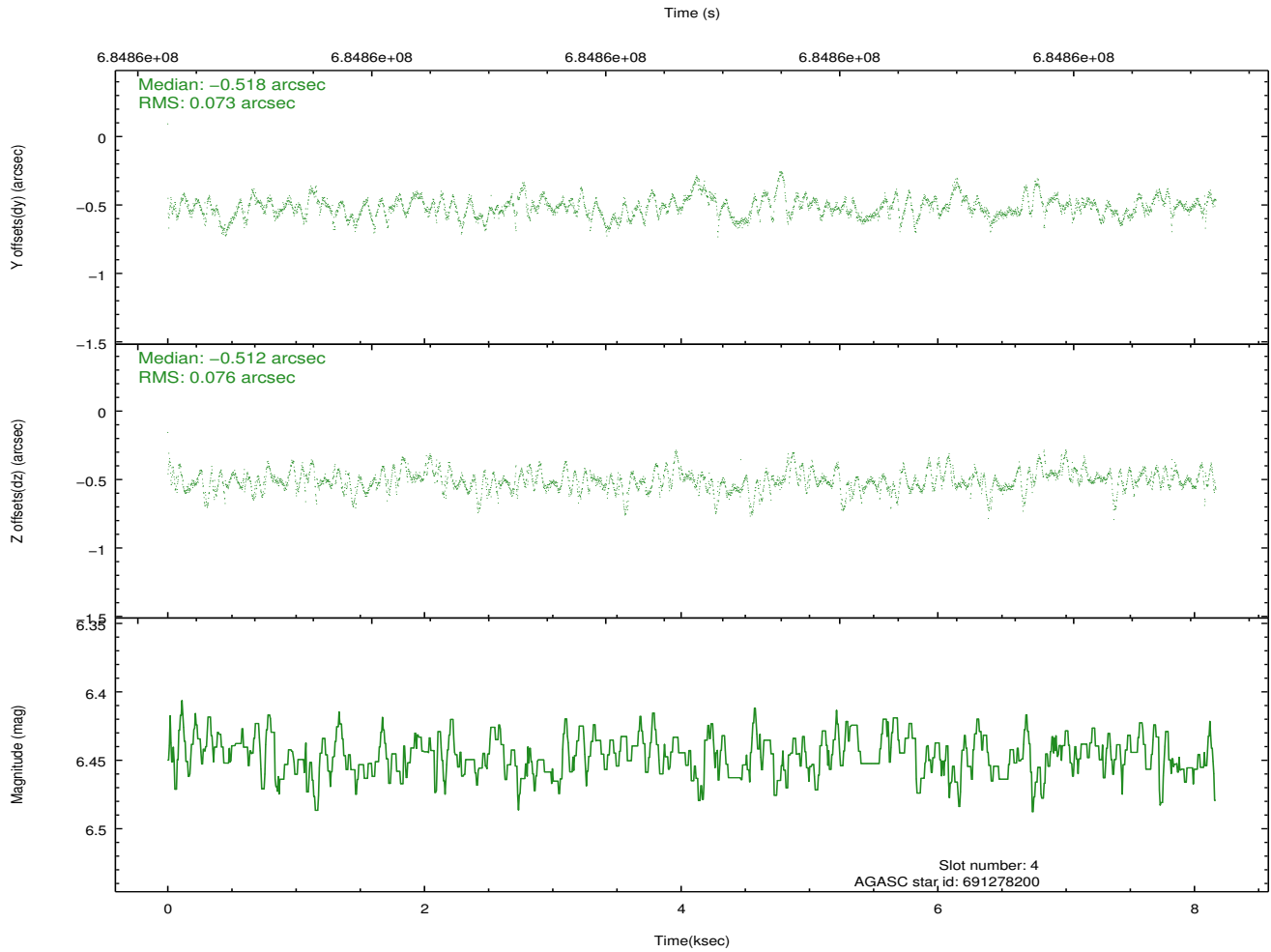
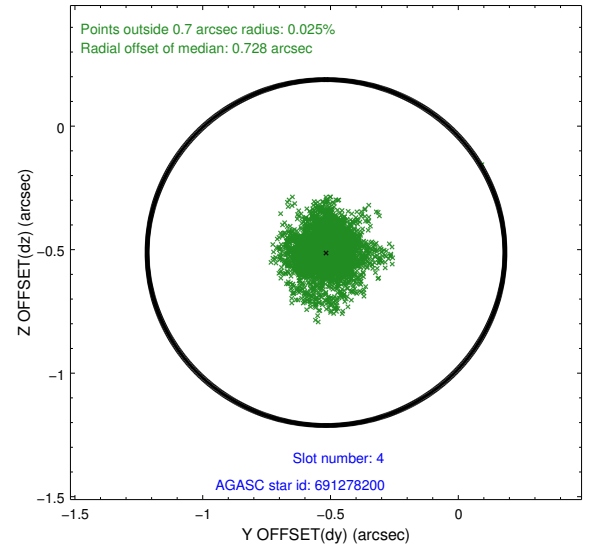
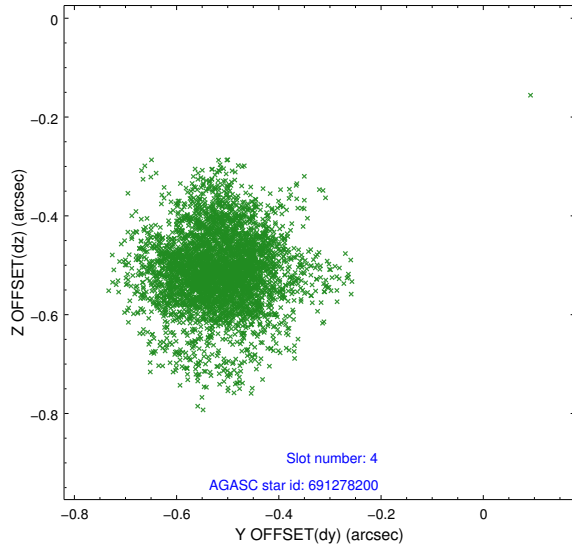
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.16	1992	1.000	-0.309	-0.255	0.012	0.021	0.000000	0.000000	-770.43	-1741
1	FID		ACIS-S-4	7.29	1993	1.000	0.846	0.217	0.007	0.012	0.000000	0.000000	2143.60	166
2	FID		ACIS-S-5	7.23	1991	1.000	-0.568	0.045	0.012	0.019	0.000000	0.000000	-1822.74	160
3	GUIDE	used	691277640	9.34	3914	1.000	0.065	0.233	0.232	0.355	22.101320	-8.393708	1090.92	-1354
4	GUIDE	used	691278200	6.45	3984	1.000	-0.518	-0.512	0.109	0.191	21.479902	-8.504397	618.66	840
5	GUIDE	used	691280384	6.44	3985	1.000	0.187	0.254	0.115	0.173	21.867903	-9.297148	-2184.90	-637
6	GUIDE	used	691283512	8.62	3978	1.000	-0.179	-0.281	0.117	0.198	21.697244	-8.587060	348.83	57
7	GUIDE	used	691284768	9.44	3977	1.000	0.452	0.312	0.221	0.355	22.032804	-9.127250	-1552.85	-1201

2.4 Star Slots

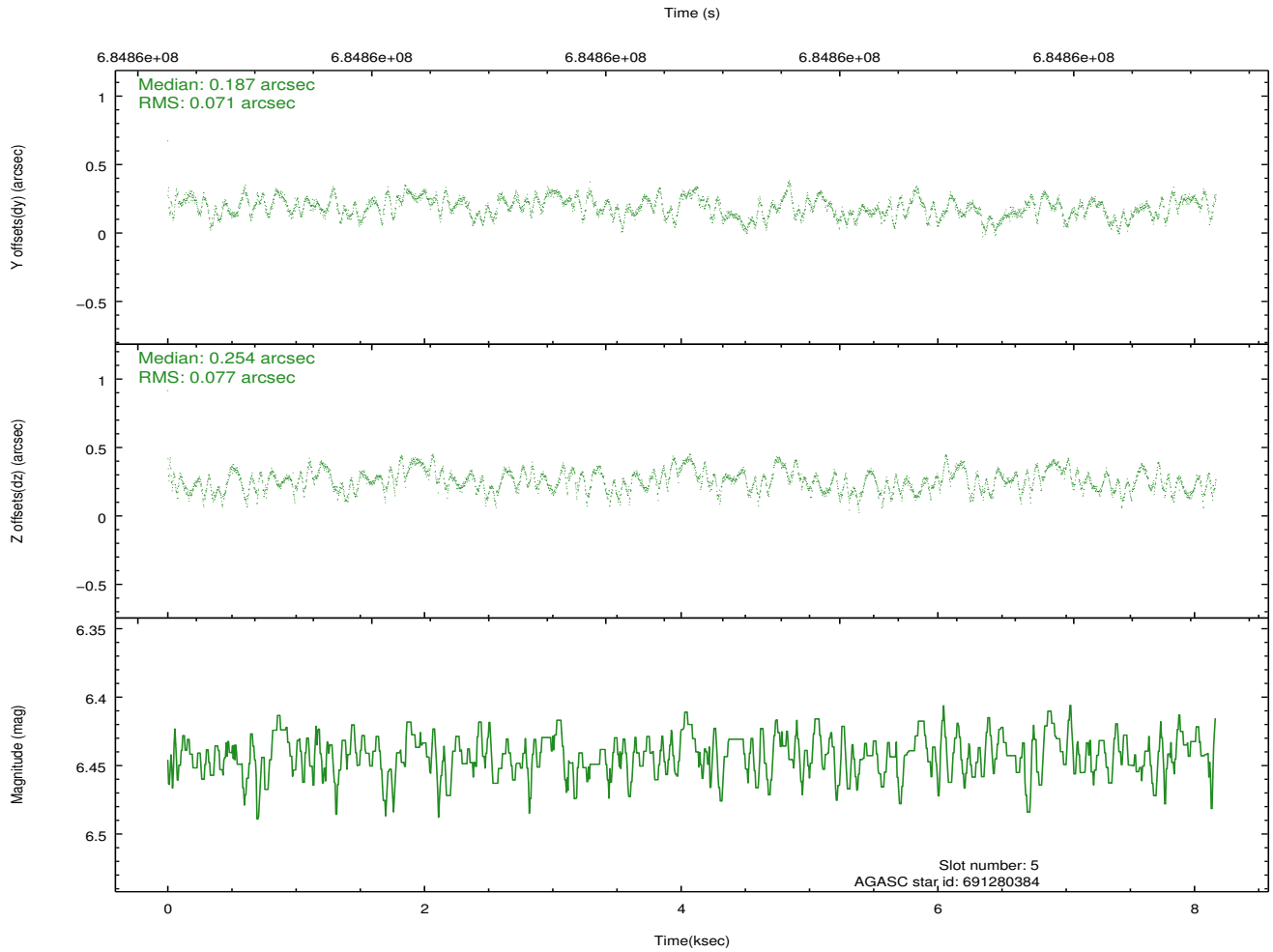
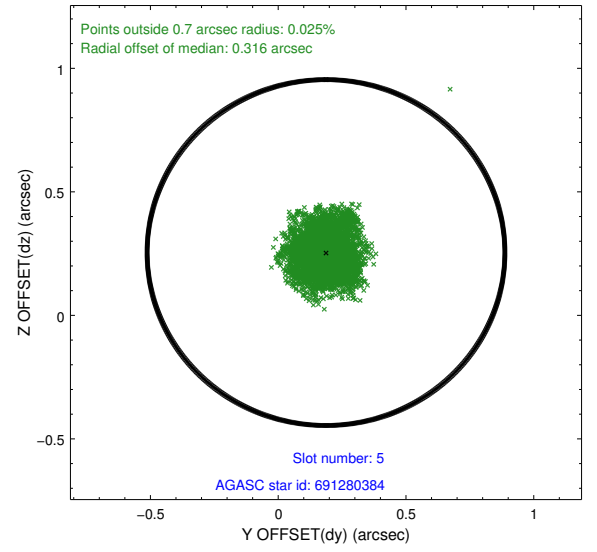
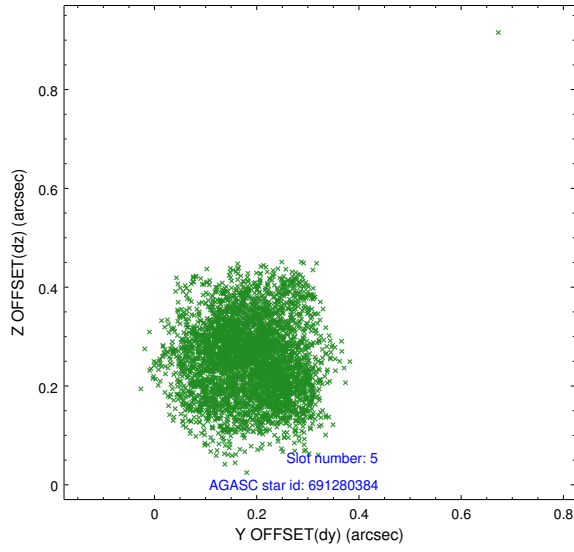
2.4.1 Slot 3



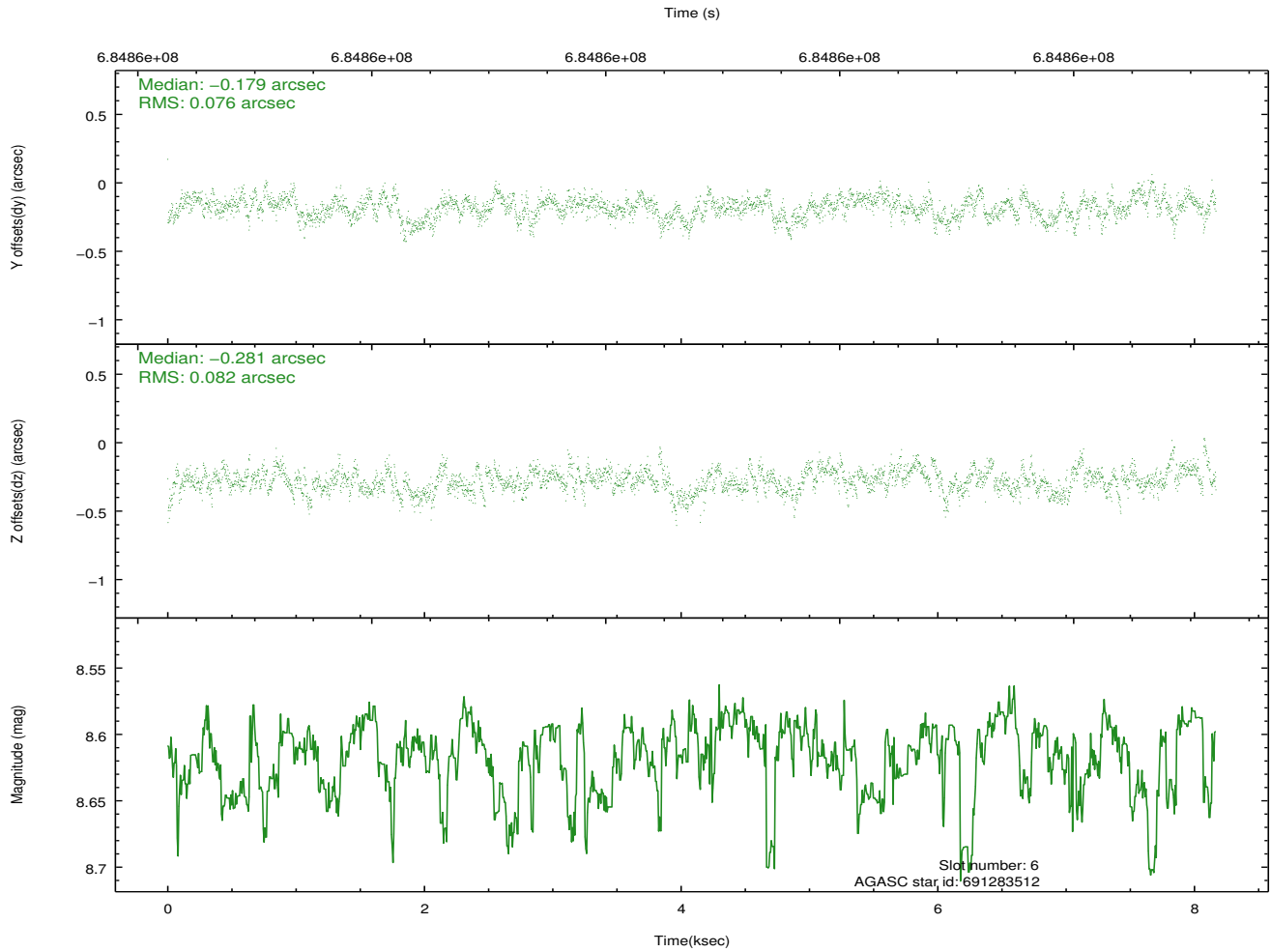
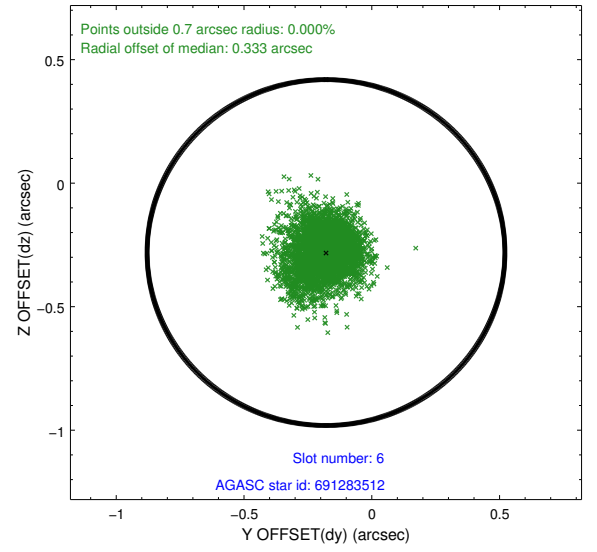
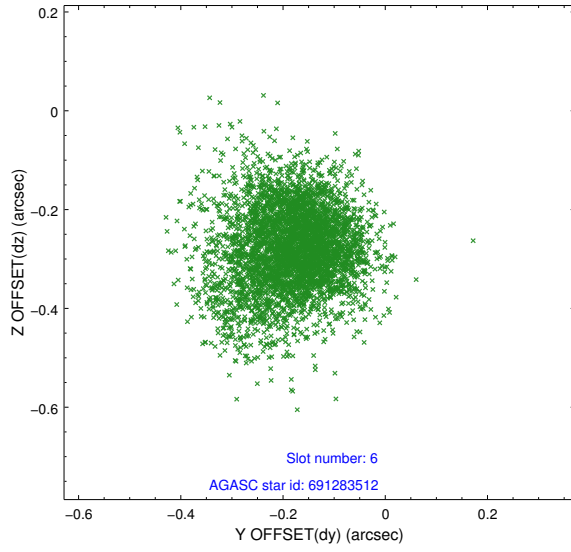
2.4.2 Slot 4



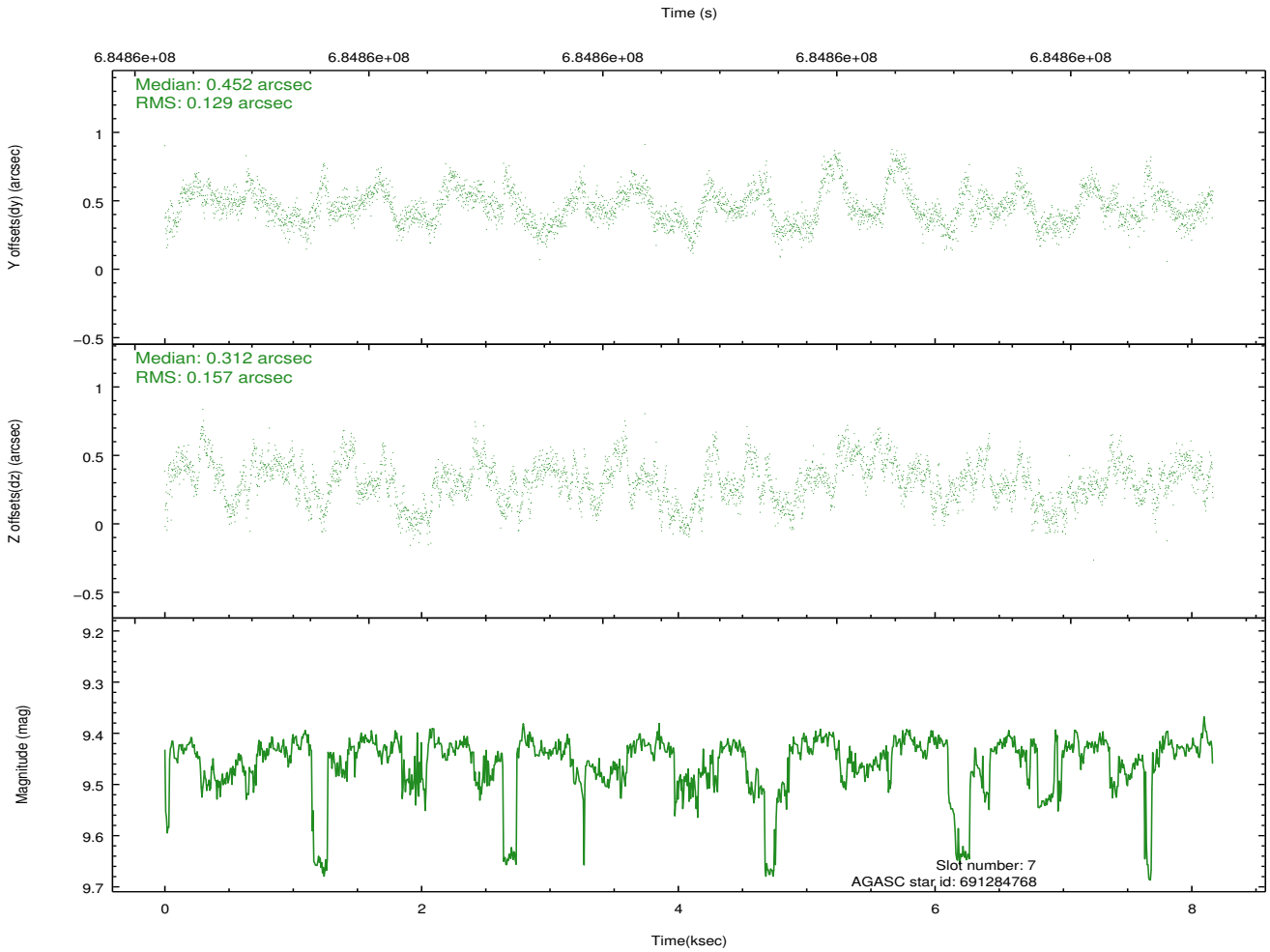
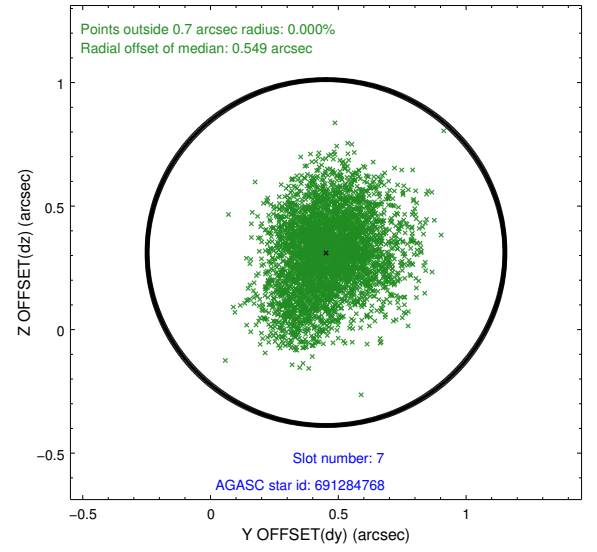
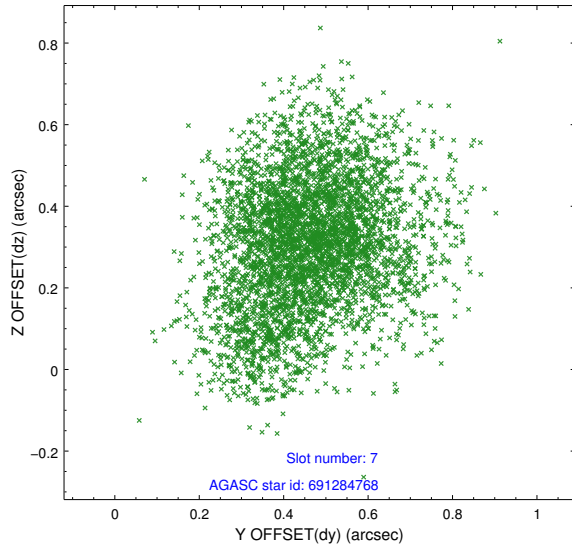
2.4.3 Slot 5



2.4.4 Slot 6

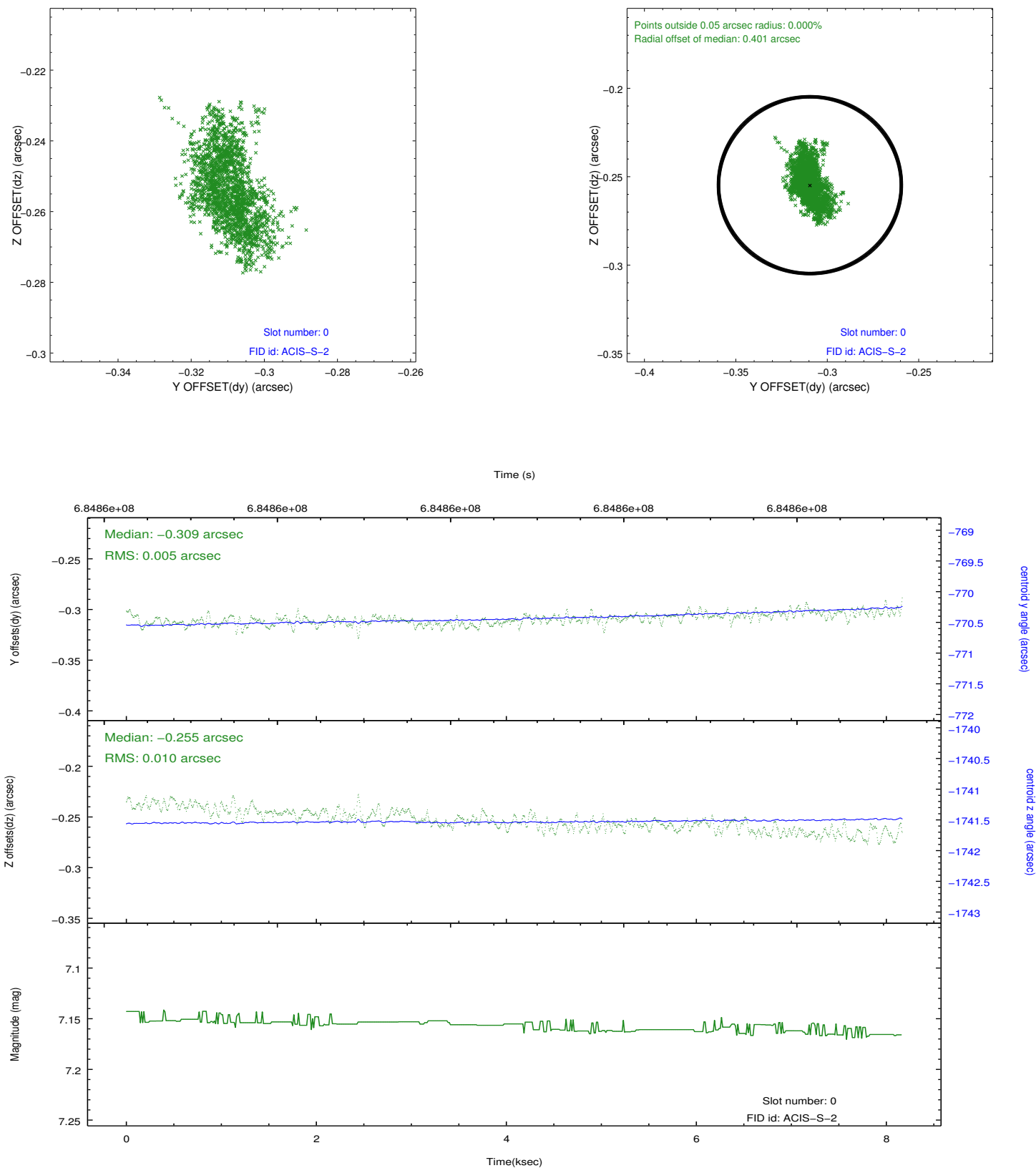


2.4.5 Slot 7

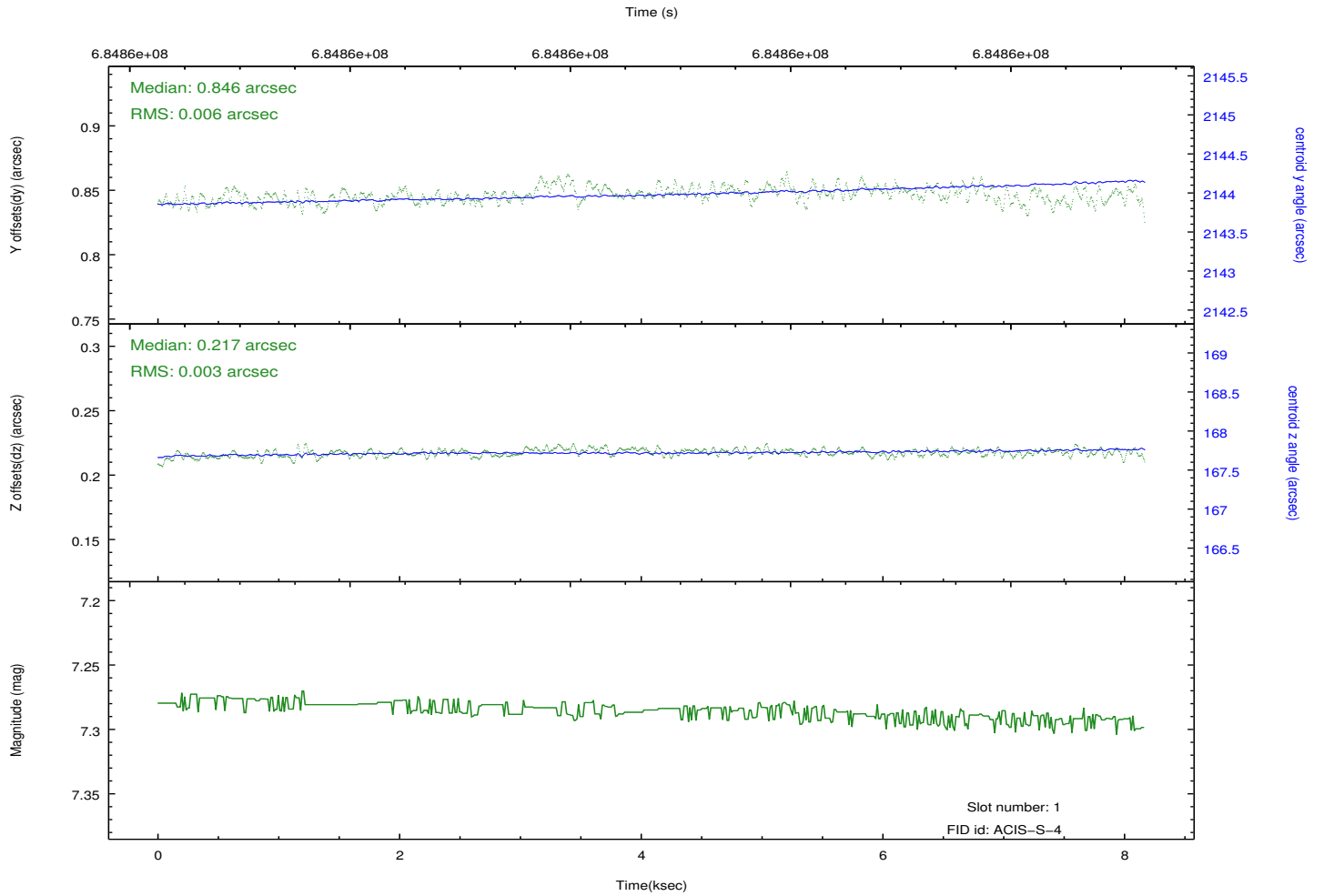
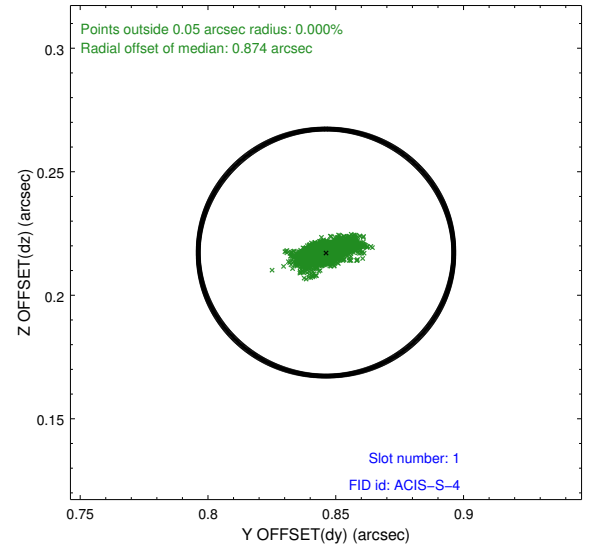
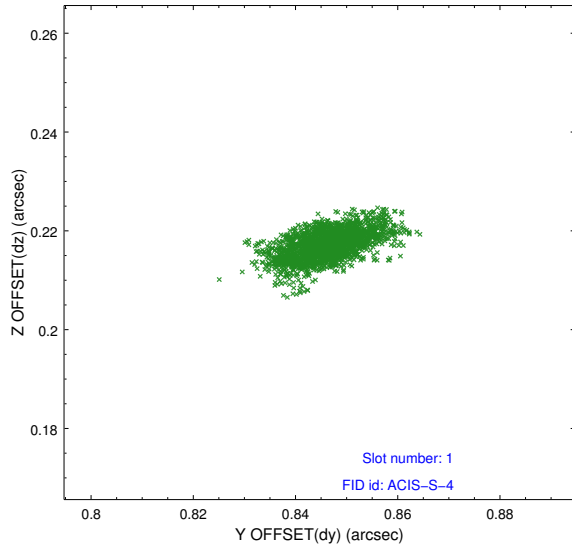


2.5 FID Slots

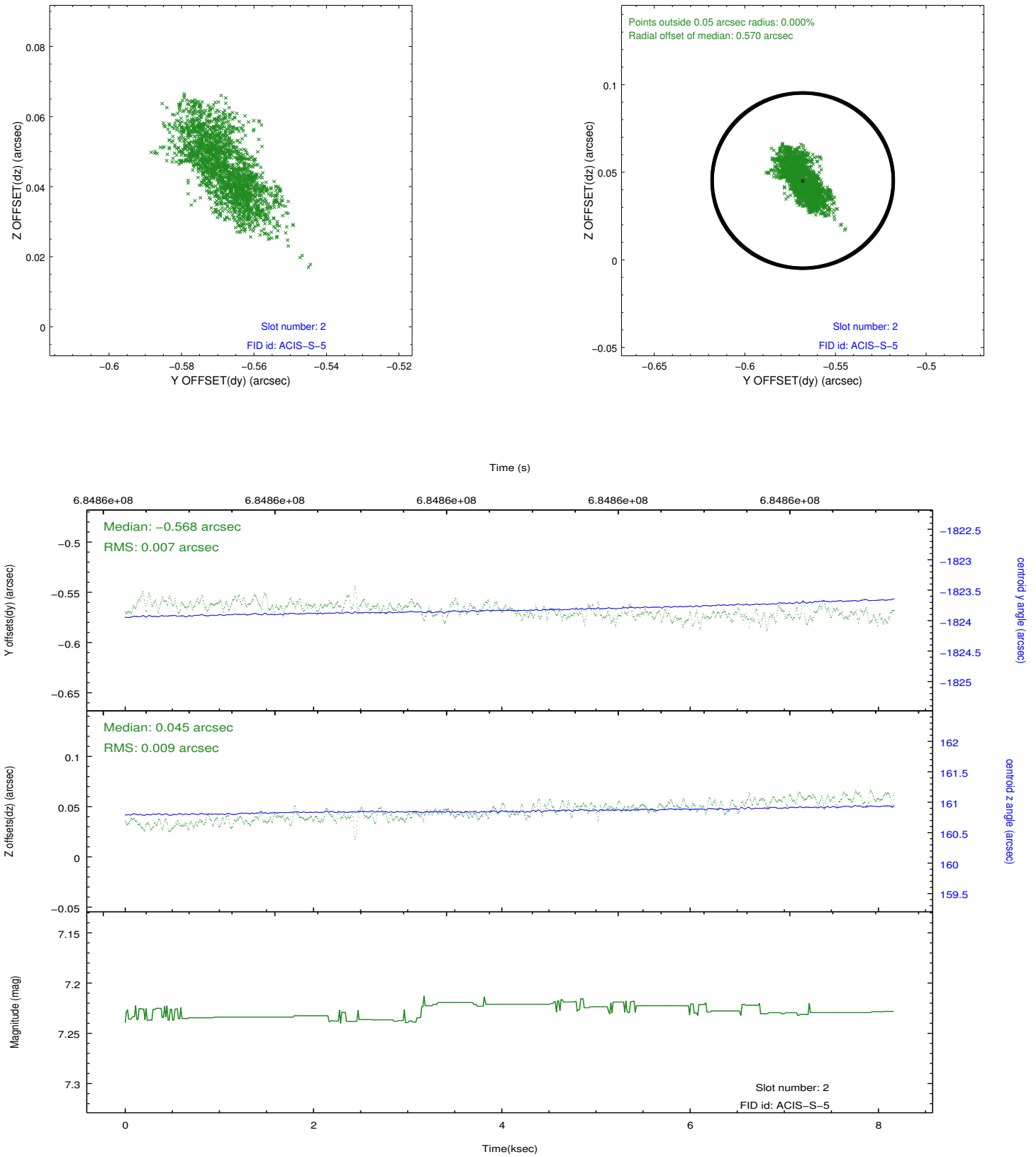
2.5.1 Slot 0



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)	2019.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9267000610828

A.2 Comments

Joint proposal with HST.