

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18191 - L2 Version 1
Chandra X-Ray Center

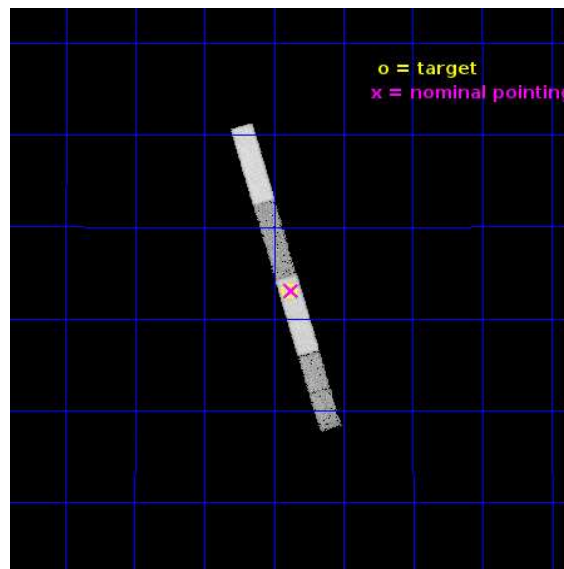
L2 Processing Date : Jan 21 2016

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1 Front

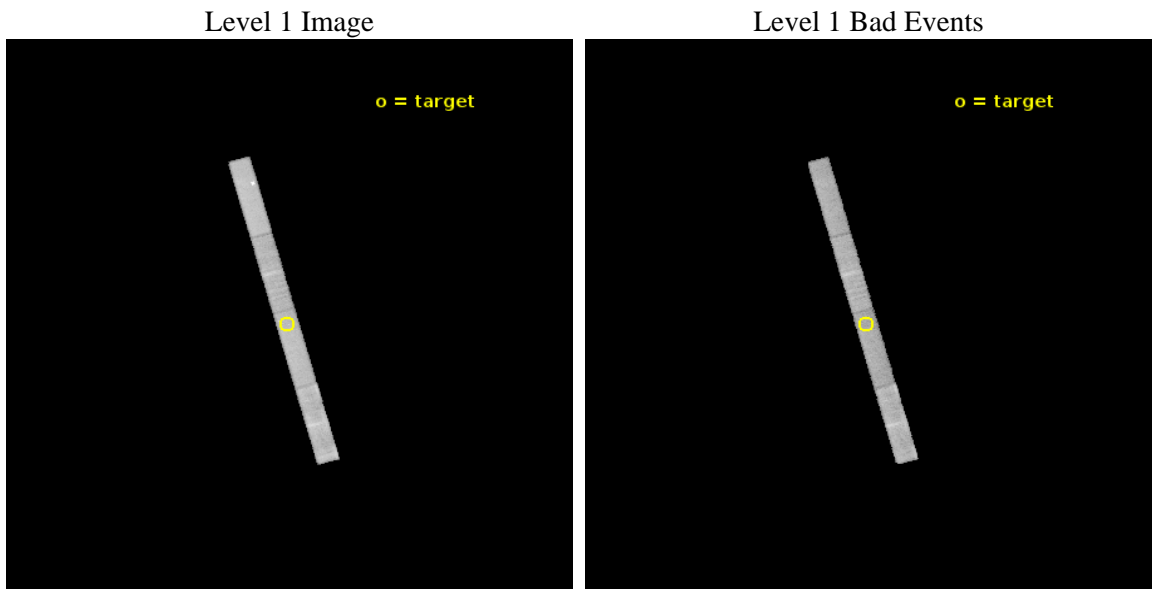
seq_num	703253	Sequence number
obs_id	18191	Observation id
title	Probing AGN feedback on nuclear and galaxy-wide scales	Proposal ti
observer	Kristina Pardo	Principal investigator
object	SDSSJ1010+1413	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.595833	Observer's specified target RA [deg]
dec_targ	14.216944	Observer's specified target Dec [deg]
ra_nom	152.593515802	Nominal RA [deg]
dec_nom	14.217717876974	Nominal Dec [deg]
roll_nom	74.110560639587	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25082.0	Sum of GTIs [s]
livetime	24093.21447783	Livetime [s]
ontime5	25082.0	Sum of GTIs [s]
ontime6	25079.917949915	Sum of GTIs [s]
ontime7	25082.0	Sum of GTIs [s]
ontime8	25082.0	Sum of GTIs [s]
l2events	59039	Number of level 2 events



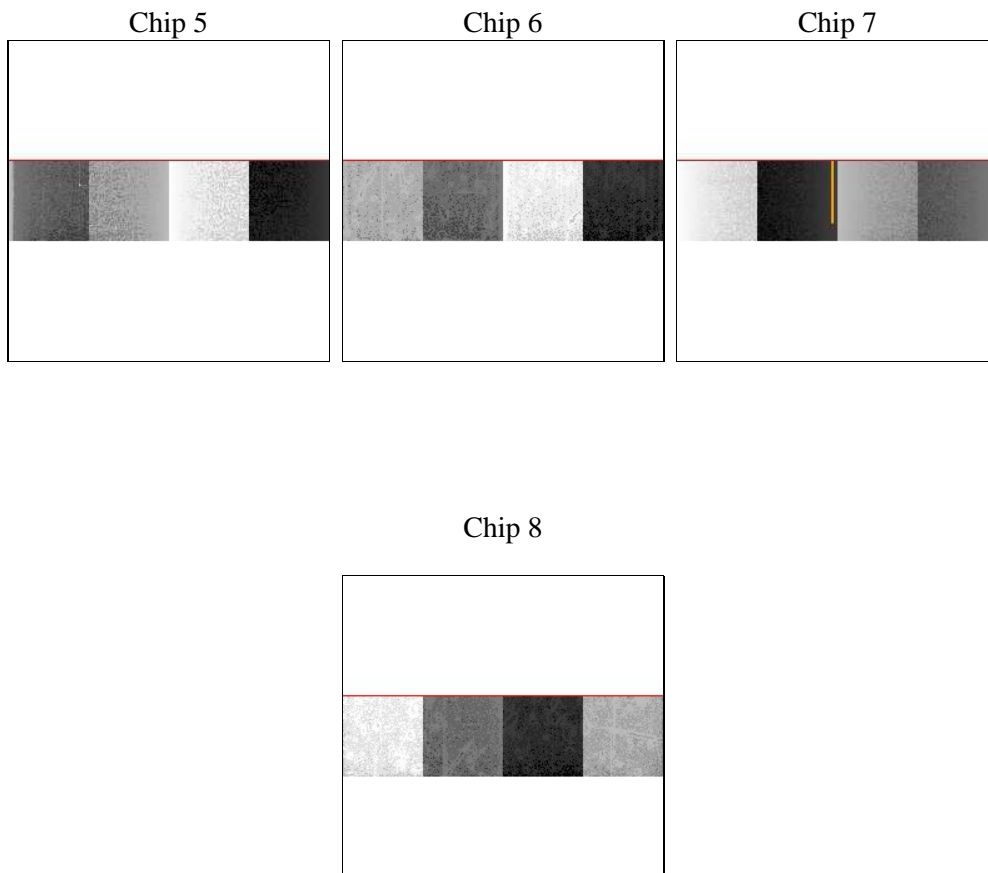
2 OBI

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	10.4.3	Processing system revision	ontime	25082.0	Sum of GTIs [s]
caldsver	4.7.0	 	ontime5	25082.0	Sum of GTIs [s]
date	2016-01-21T11:43:10	Date and time of file creation	ontime6	25079.917949915	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	25082.0	Sum of GTIs [s]
			ontime8	25082.0	Sum of GTIs [s]
			l1events	213593	Number of level 1 events

2.1.4 Events

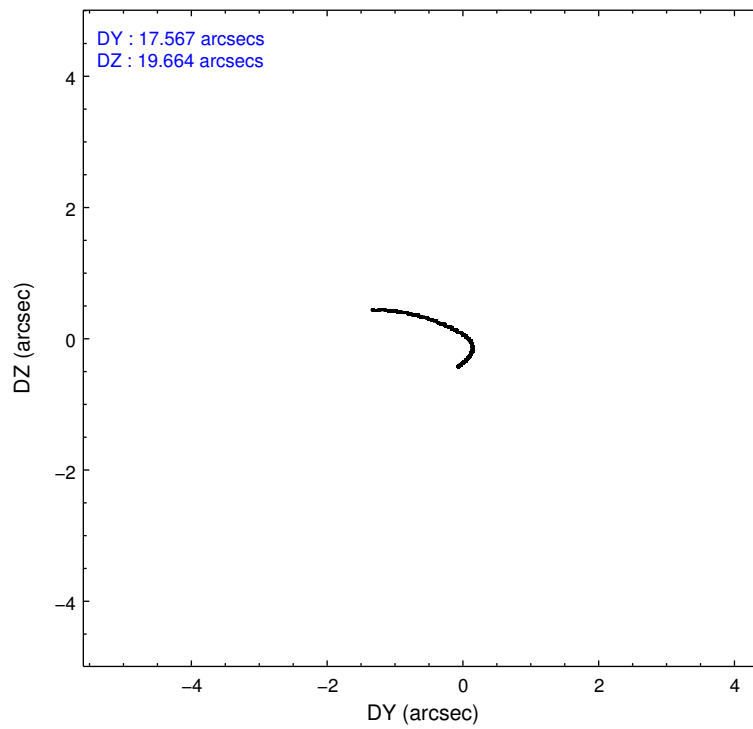
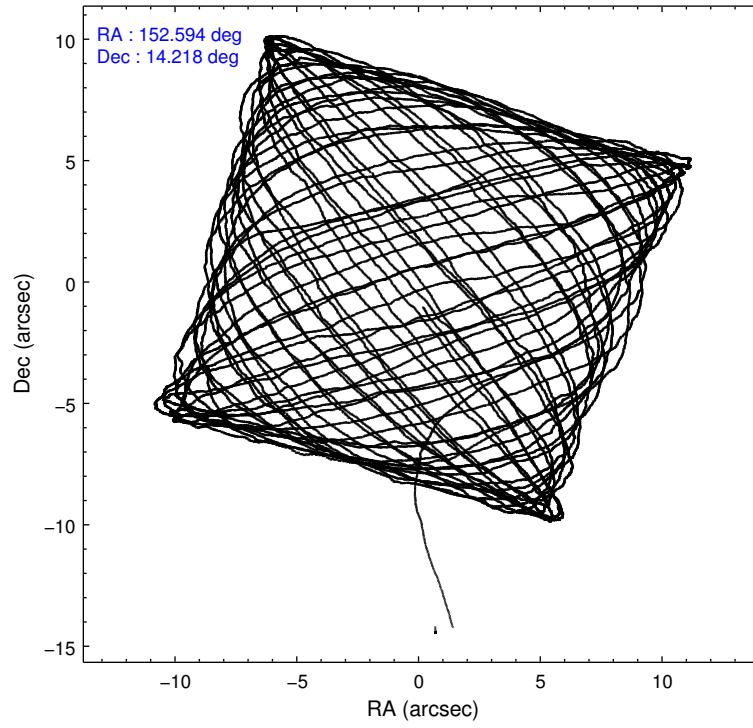
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	62515	42298	50852	57928
rejected events	31155	37411	27792	43974
rejected %	49%	88%	54%	75%

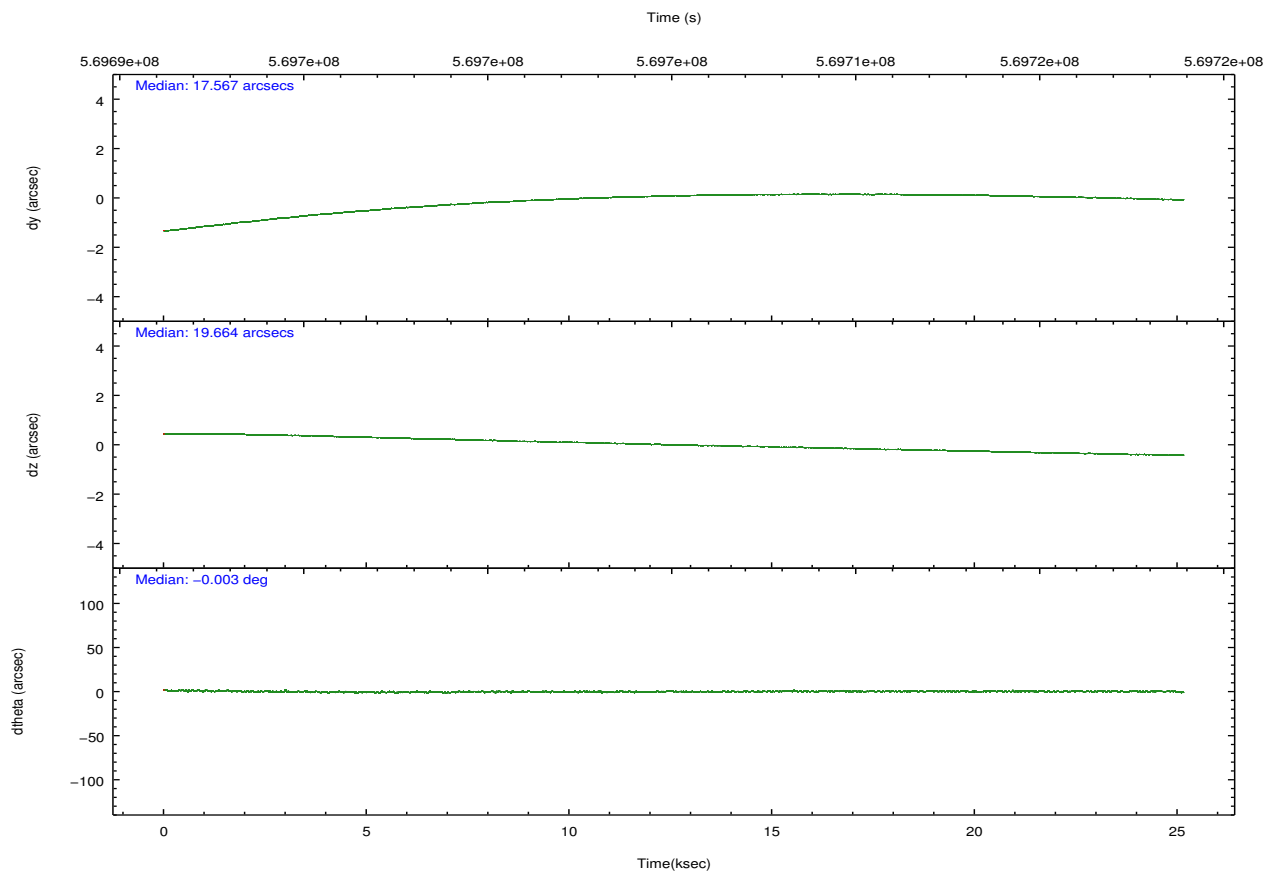
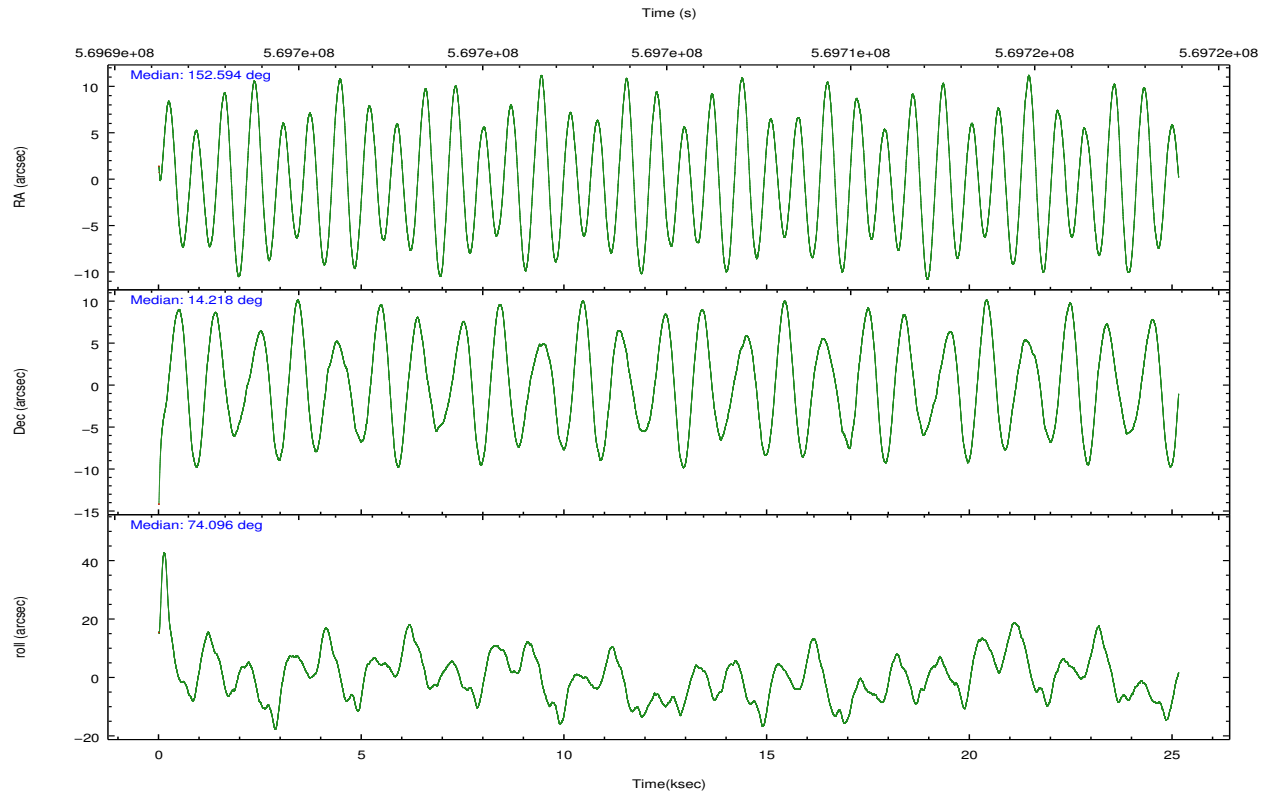
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4650	1468	2254	3556
	7%	3%	4%	6%
grade 1 events	132	14	74	29
	0%	0%	0%	0%
grade 2 events	8760	940	4825	3240
	14%	2%	9%	5%
grade 3 events	1468	733	2510	1607
	2%	1%	4%	2%
grade 4 events	1453	757	2346	1495
	2%	1%	4%	2%
grade 5 events	5037	1932	5250	2668
	8%	4%	10%	4%
grade 6 events	15033	989	11125	4056
	24%	2%	21%	7%
grade 7 events	25982	35465	22468	41277
	41%	83%	44%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	152.600771	152.5935158019998	CCD I2 on	O2	N
[deg] Pointing Dec	14.191210	14.21771787697378	CCD I3 on	O1	N
[deg] Pointing Roll	73.952172	74.11056063958655	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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)	569692643.184000	569691332.24874	CCD S5 on	N	N
Observation start date	2016-01-20T15:56:15	2016-01-20T15:35:32	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	569717643.184000	569718206.72527	On-chip summing requested	N	N
Observation end date	2016-01-20T22:52:55	2016-01-20T23:03:26	Subarray requested	CUSTOM	1/4
Read mode	TIMED	TIMED	Subarray start row	385	385
			Subarray row count	256	256
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1

2.3 Aspect



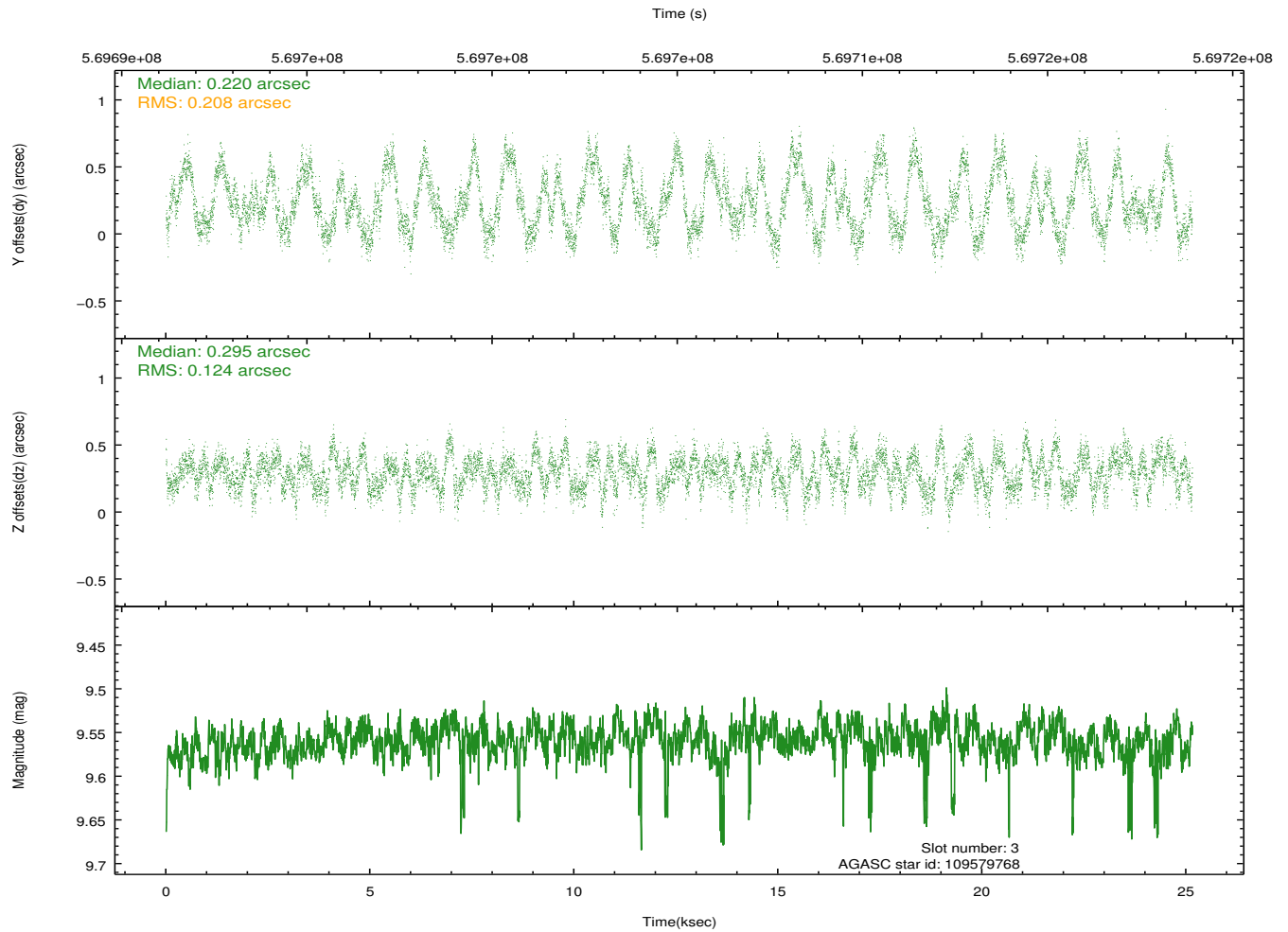
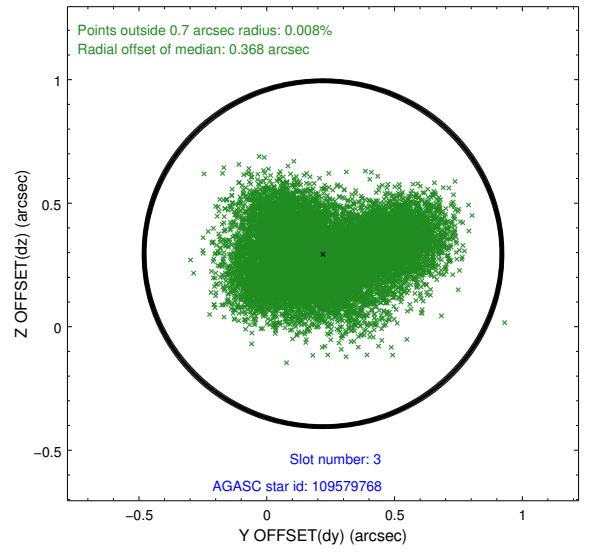
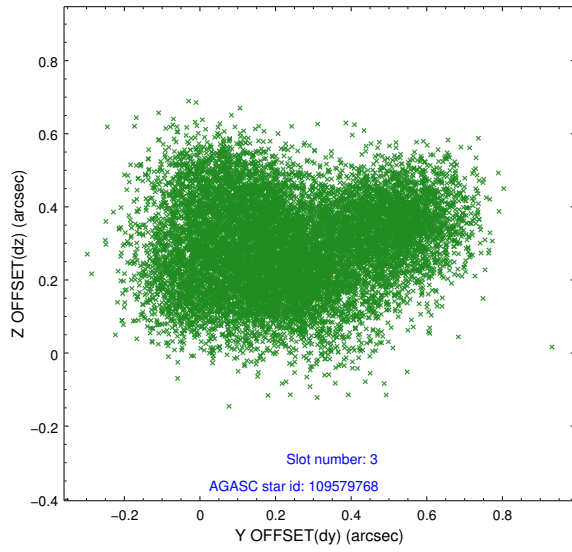


Slot Statistics

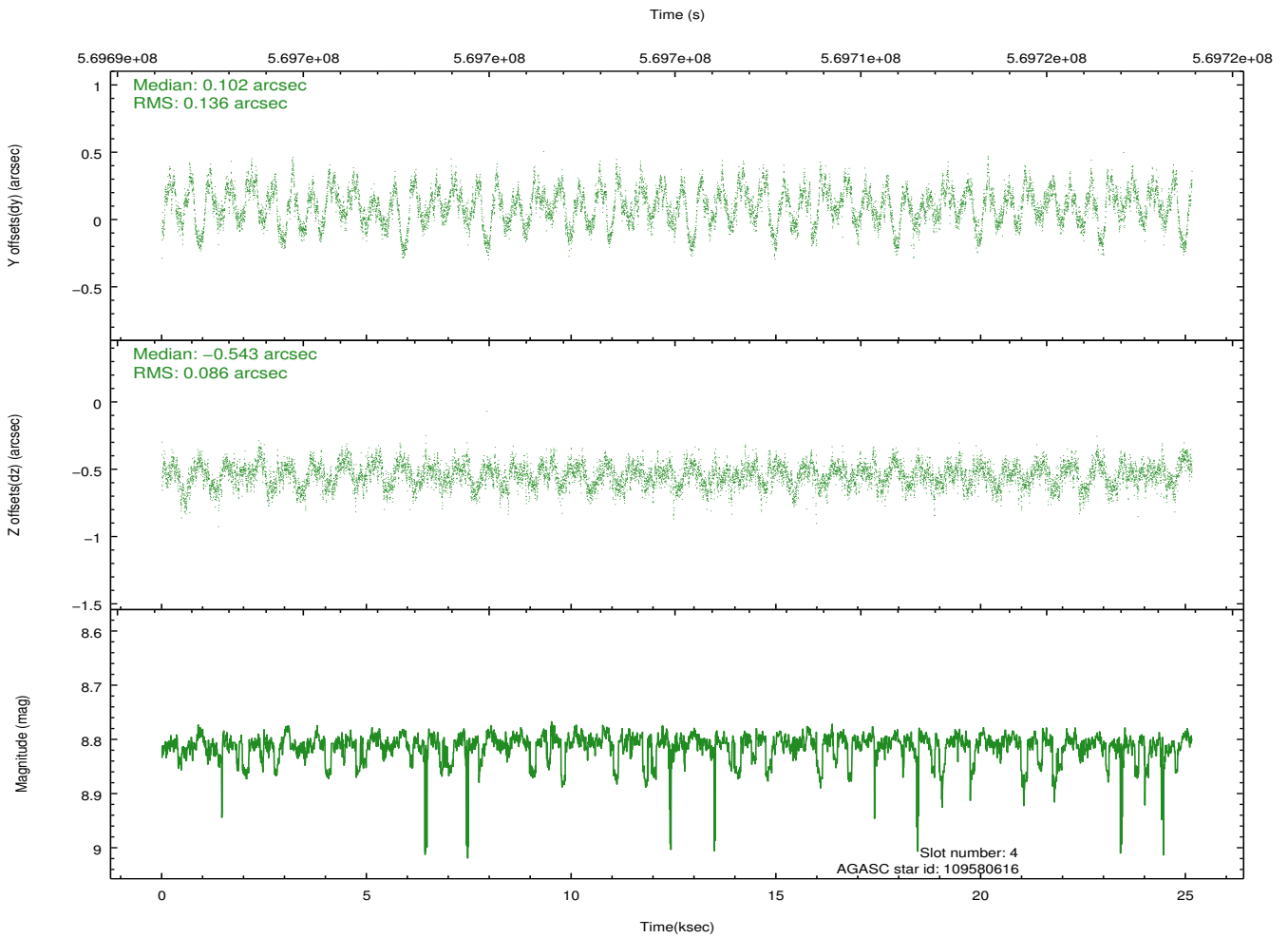
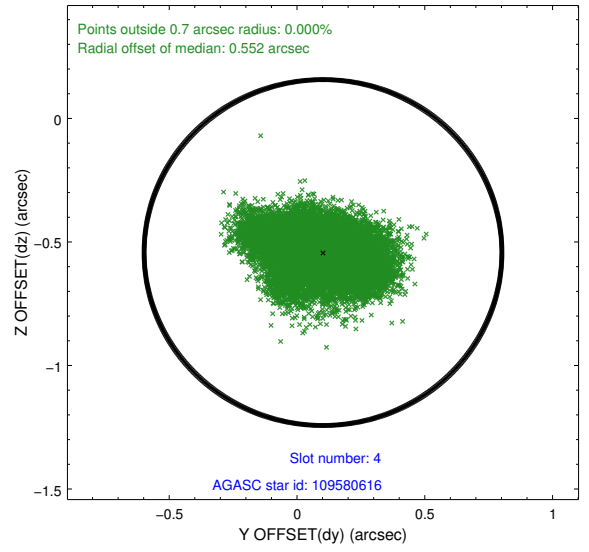
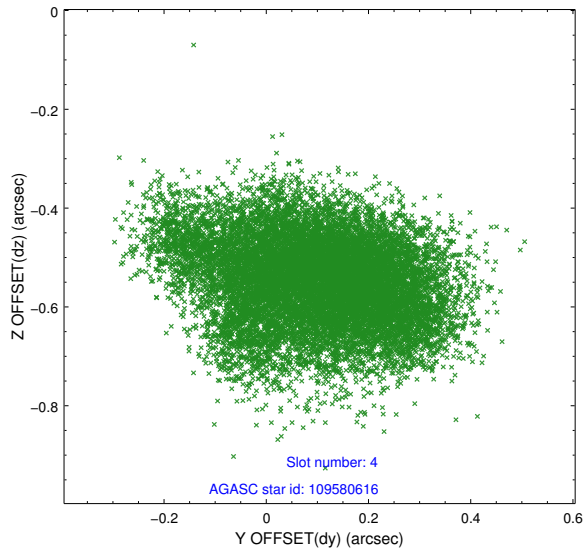
lot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.12	6136	-0.261	-0.173	0.018	0.029	0.000000	0.000000	-770.70	-1741.25
1	FID		ACIS-S-4	7.22	6136	0.293	0.143	0.012	0.024	0.000000	0.000000	2143.10	167.34
2	FID		ACIS-S-6	7.36	6136	-0.062	0.039	0.010	0.016	0.000000	0.000000	391.66	804.75
3	GUIDE	used	109579768	9.56	12255	0.220	0.295	0.266	0.406	152.501756	13.567790	-2252.18	-286.31
4	GUIDE	used	109580616	8.81	12267	0.102	-0.543	0.174	0.278	151.848000	13.927305	-1636.17	2265.88
5	GUIDE	used	109581240	9.92	12151	0.185	0.072	0.288	0.470	152.972746	14.080979	-20.96	-1357.52
6	GUIDE	used	109582808	9.81	12245	-0.374	0.046	0.199	0.314	153.104917	14.400011	1210.87	-1480.35
7	BAD	used	109588184	9.93	11562	-0.159	0.155	0.231	0.365	152.793950	14.573526	1509.47	-265.48

2.4 Star Slots

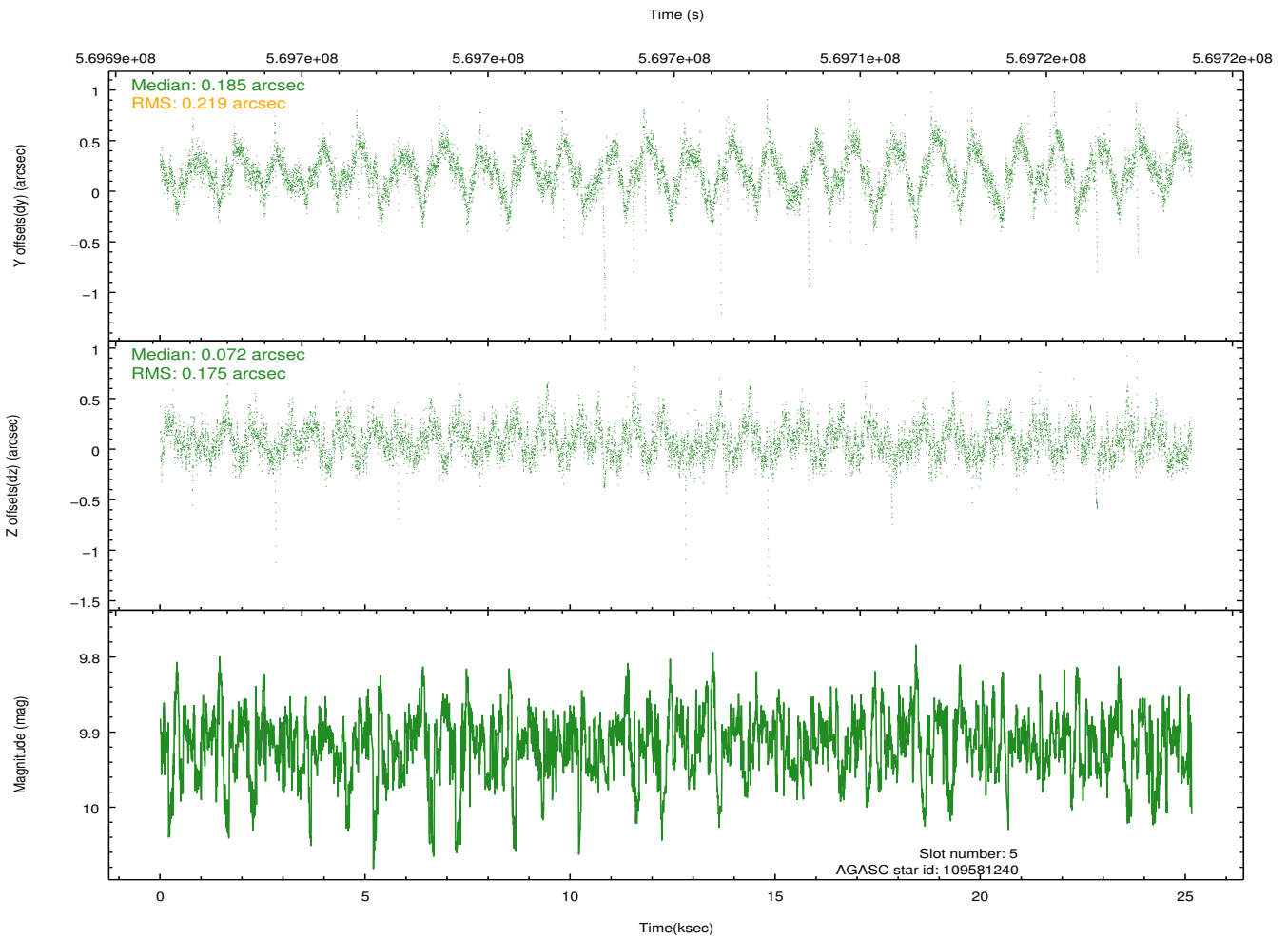
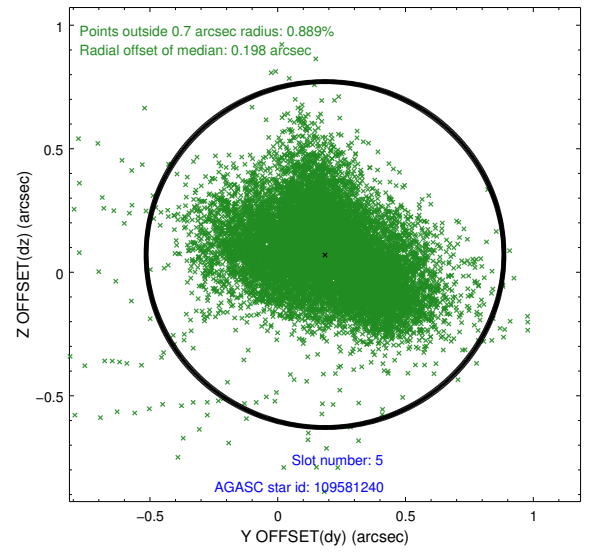
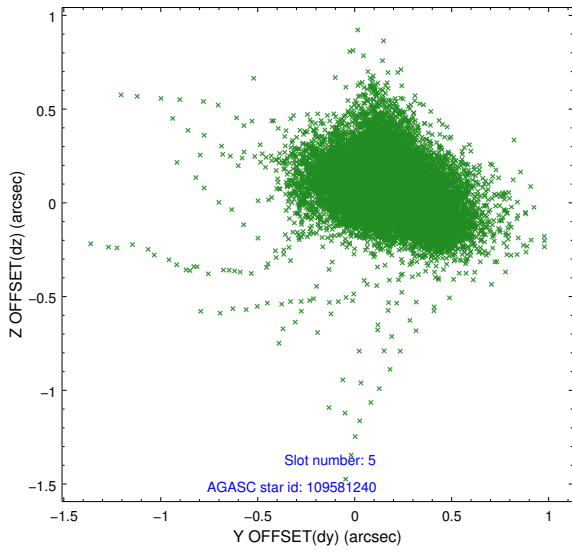
2.4.1 Slot 3



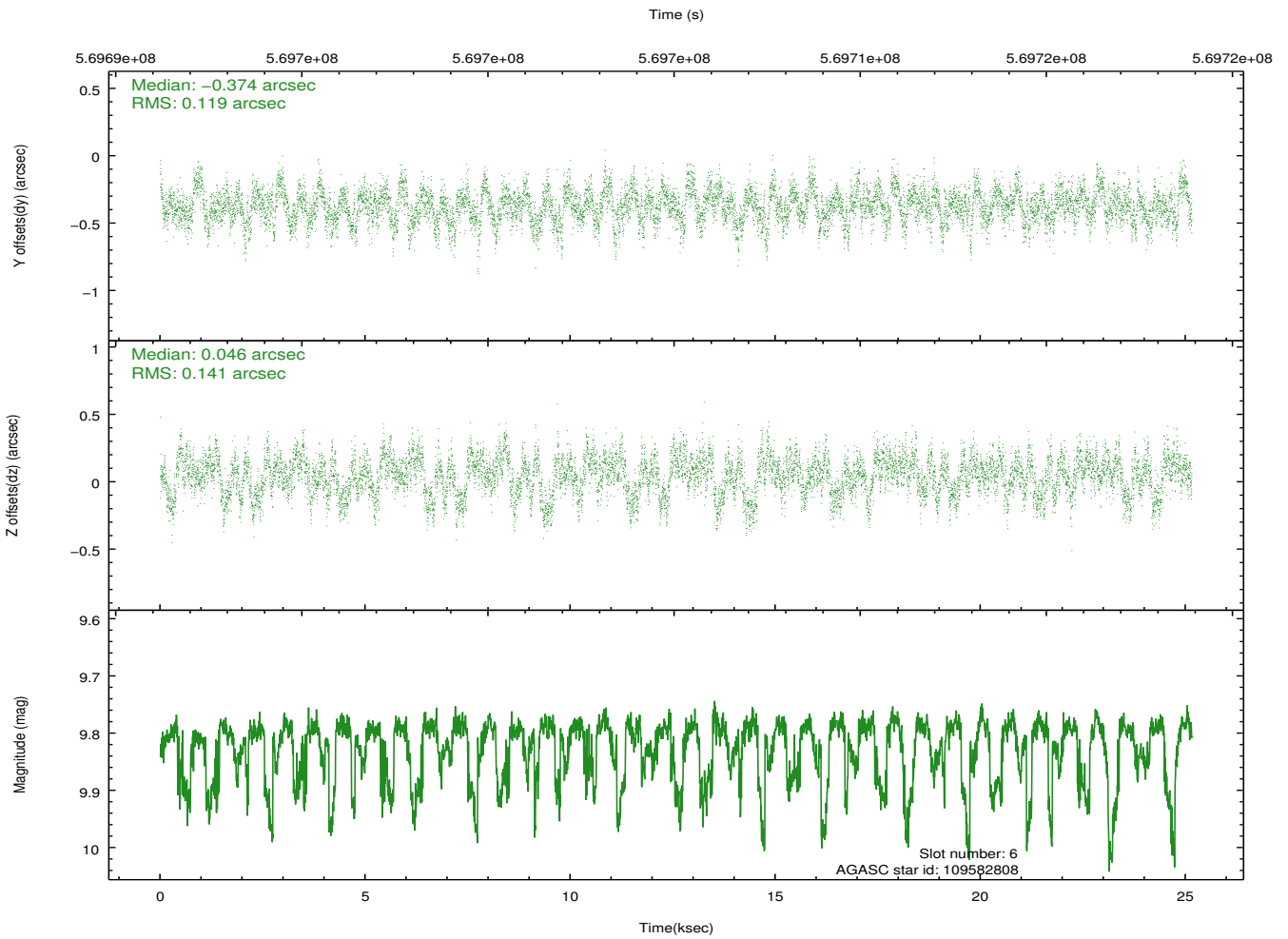
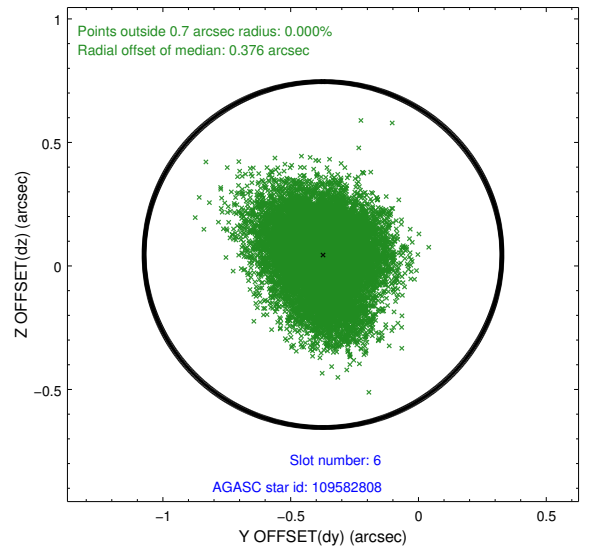
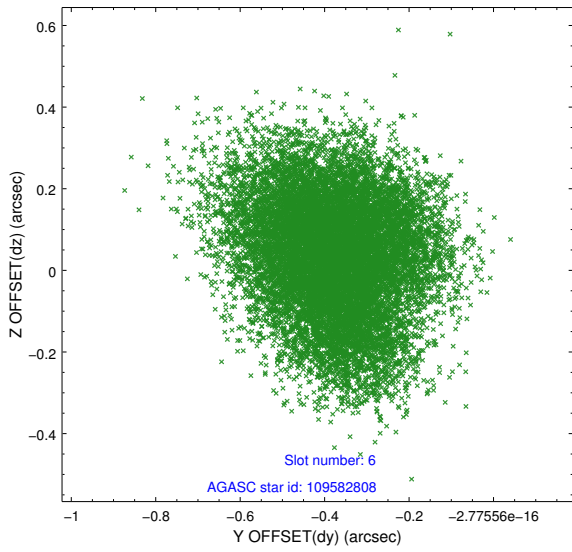
2.4.2 Slot 4



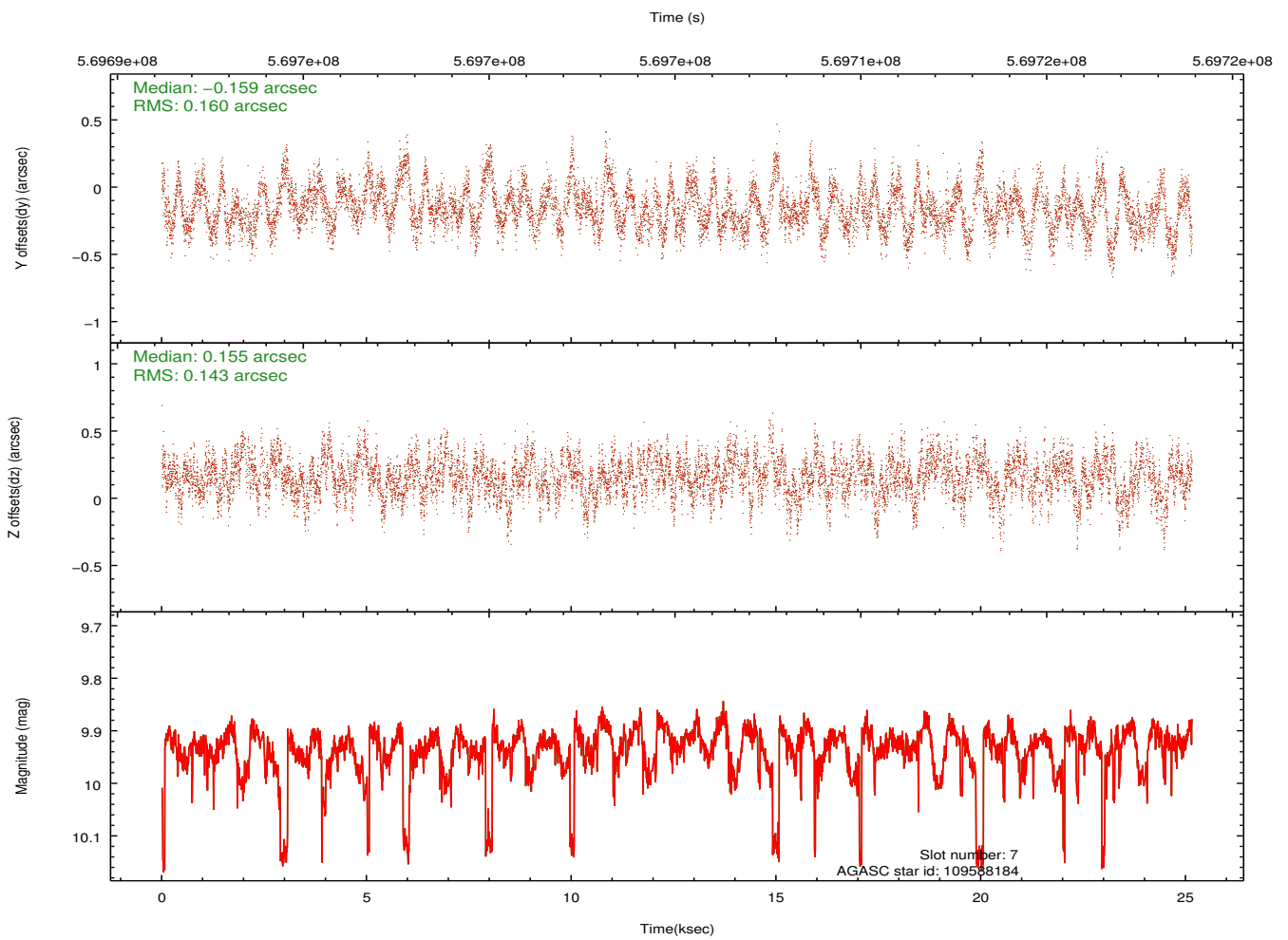
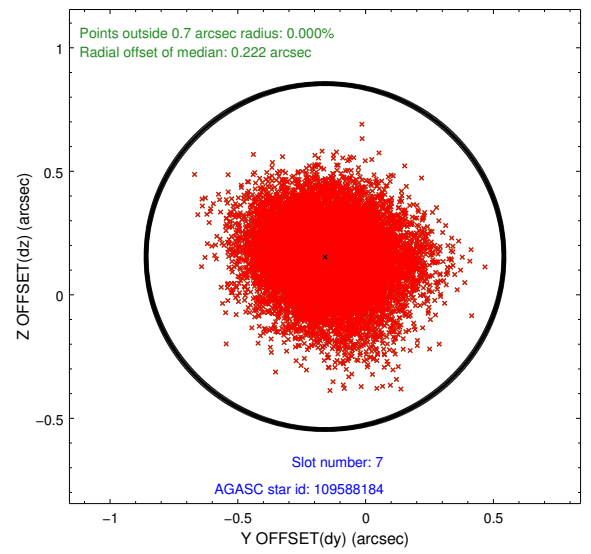
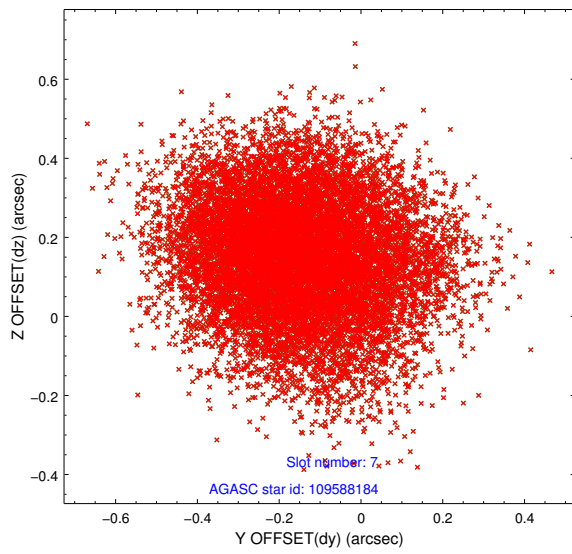
2.4.3 Slot 5



2.4.4 Slot 6

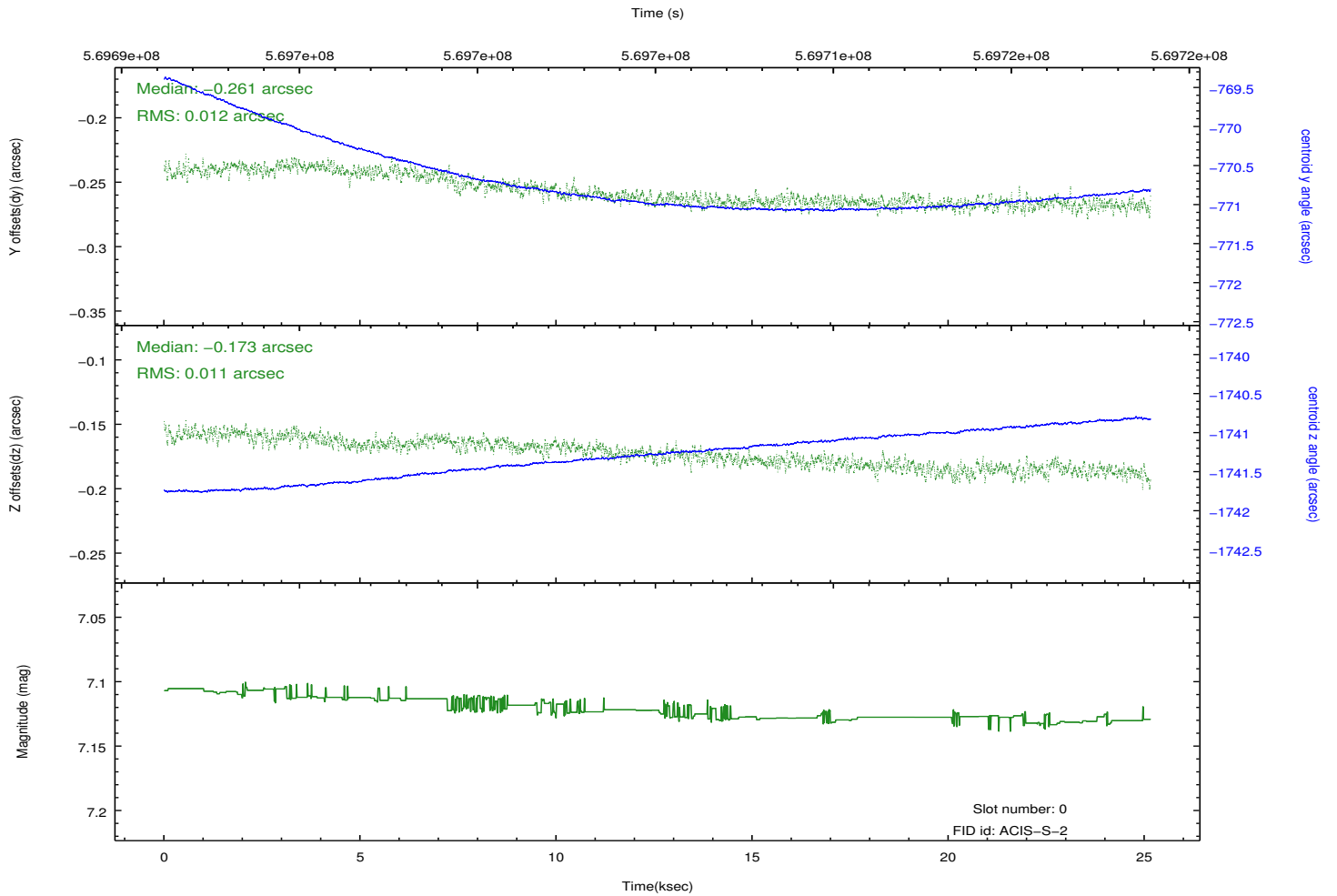
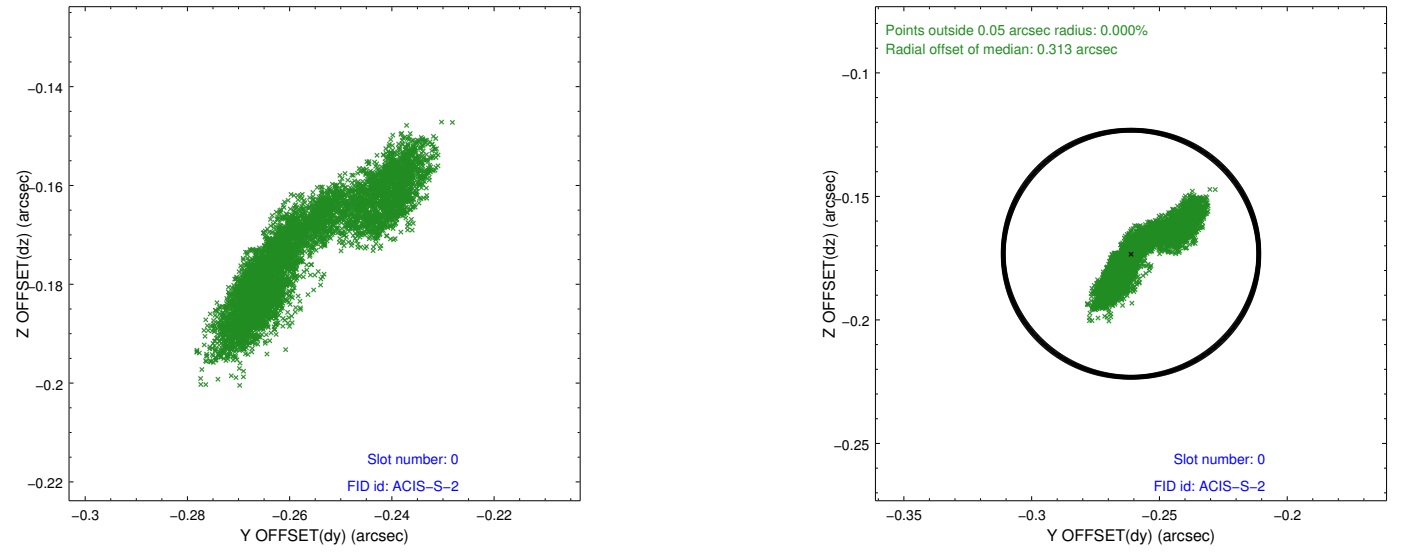


2.4.5 Slot 7

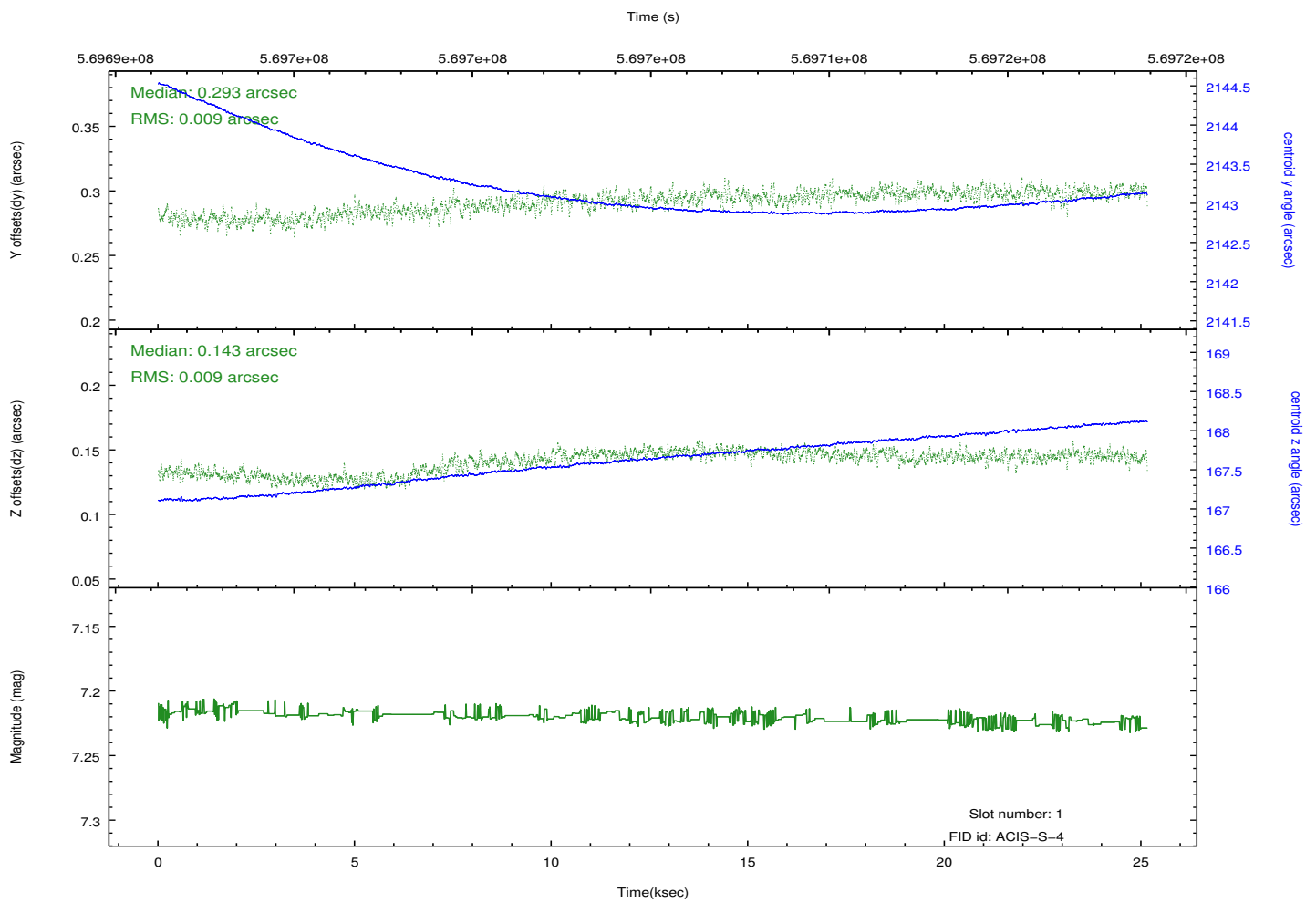
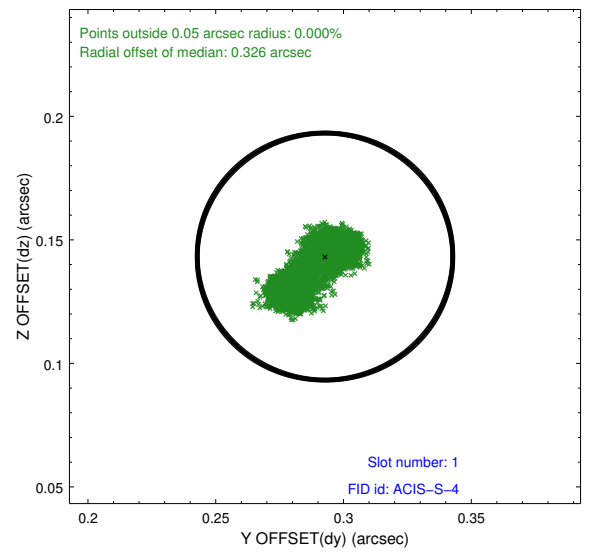
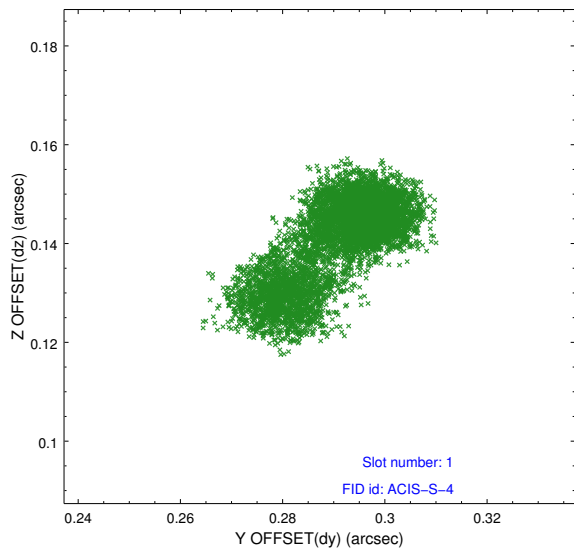


2.5 FID Slots

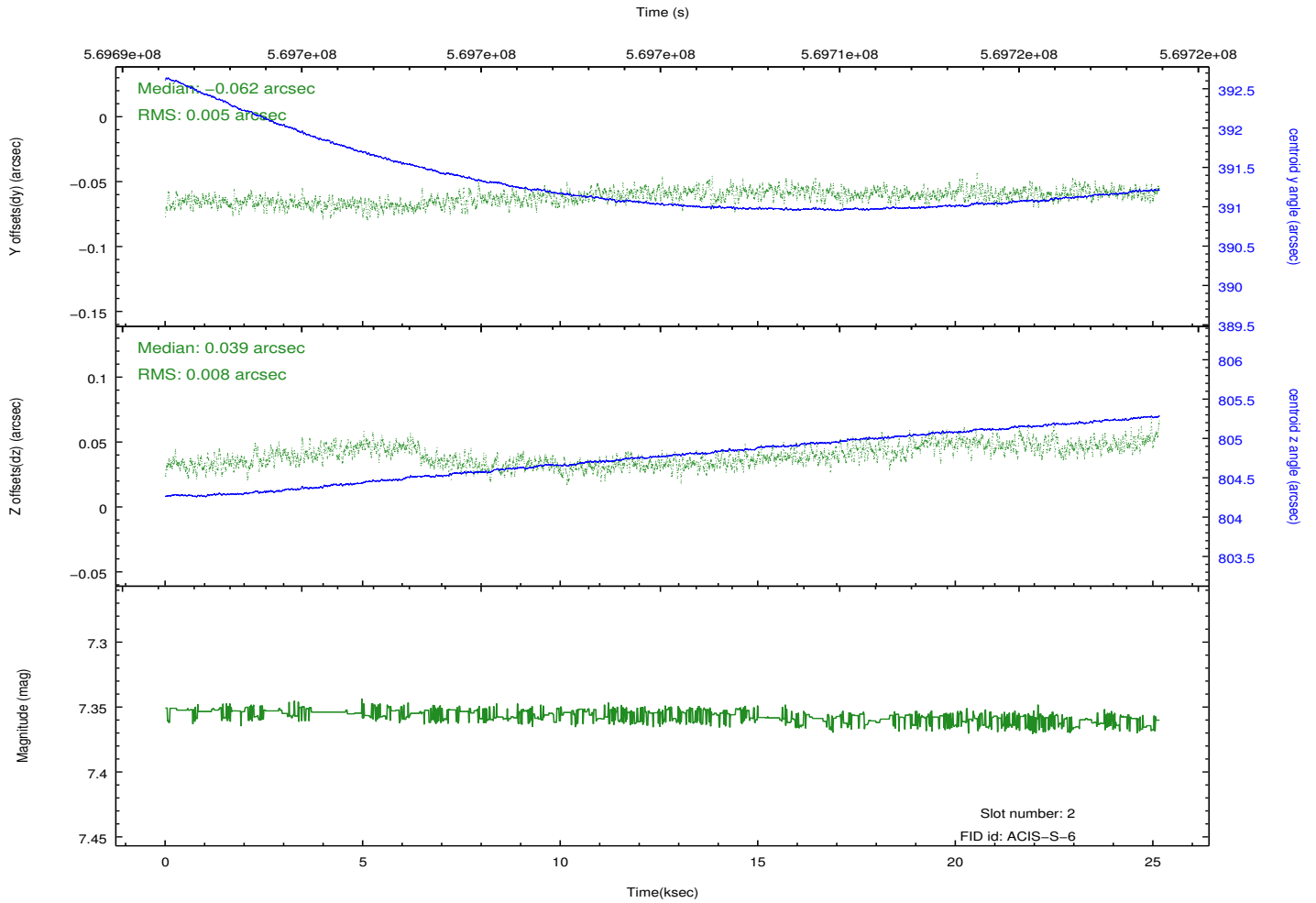
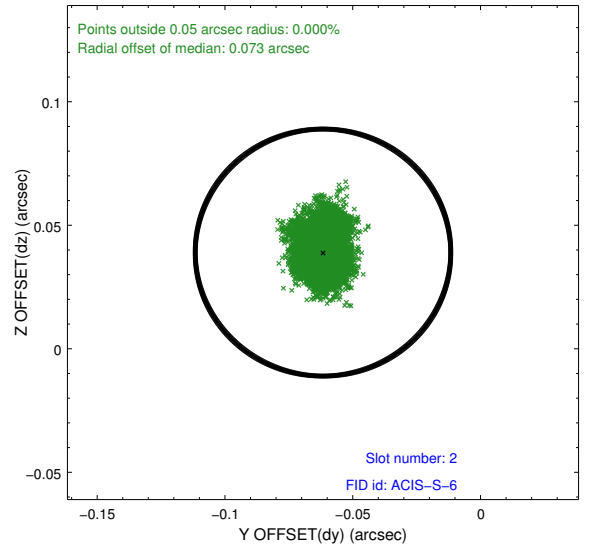
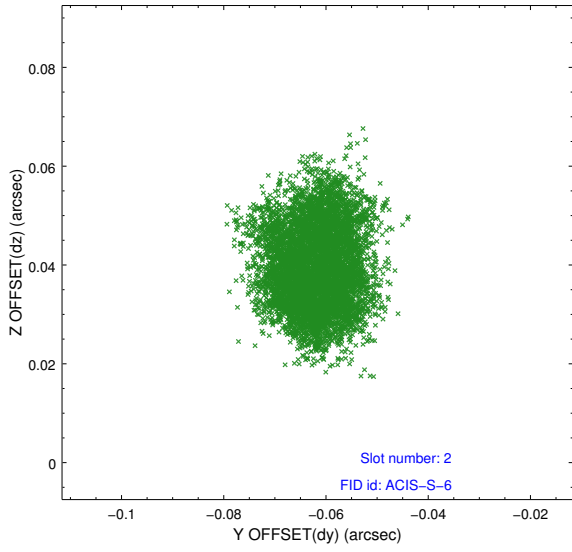
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.082

A.2 Comments

Optional chips I3 and I2 not used.