

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18435 - L2 Version 1
Chandra X-Ray Center

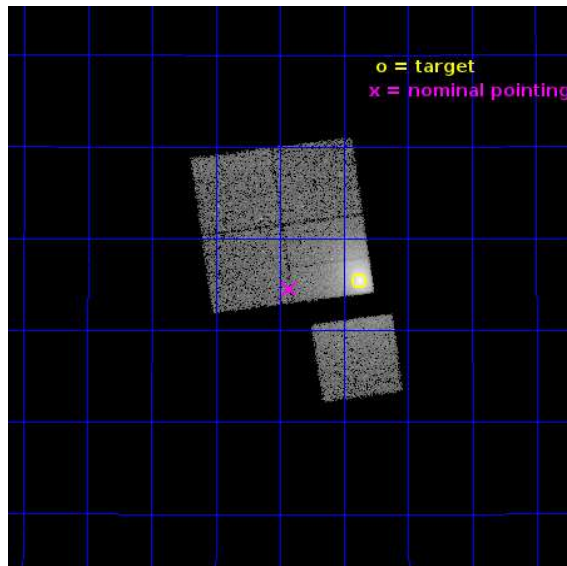
L2 Processing Date : Apr 14 2016

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1 Front

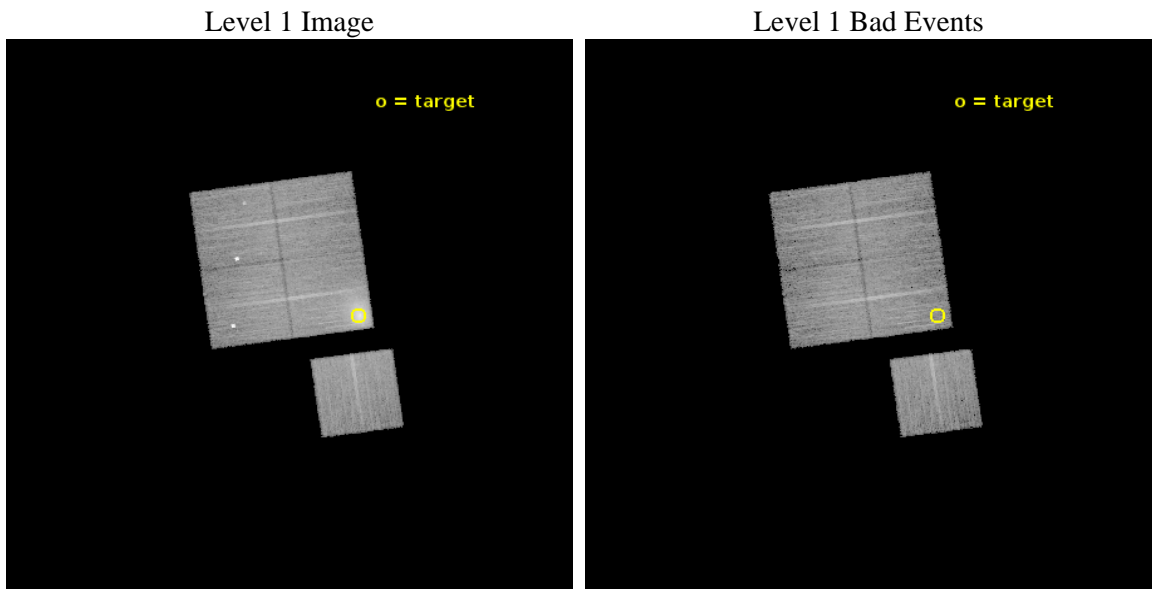
seq_num	890128	Sequence number
obs_id	18435	Observation id
title	AO-17 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.35637767412	Nominal RA [deg]
dec_nom	26.576022041832	Nominal Dec [deg]
roll_nom	172.17843629044	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14349.447149396	Sum of GTIs [s]
livetime	14161.96105848	Livetime [s]
ontime0	14349.365069389	Sum of GTIs [s]
ontime1	14343.12396884	Sum of GTIs [s]
ontime2	14349.447149396	Sum of GTIs [s]
ontime3	14349.48818934	Sum of GTIs [s]
ontime6	14349.324029326	Sum of GTIs [s]
l2events	93904	Number of level 2 events



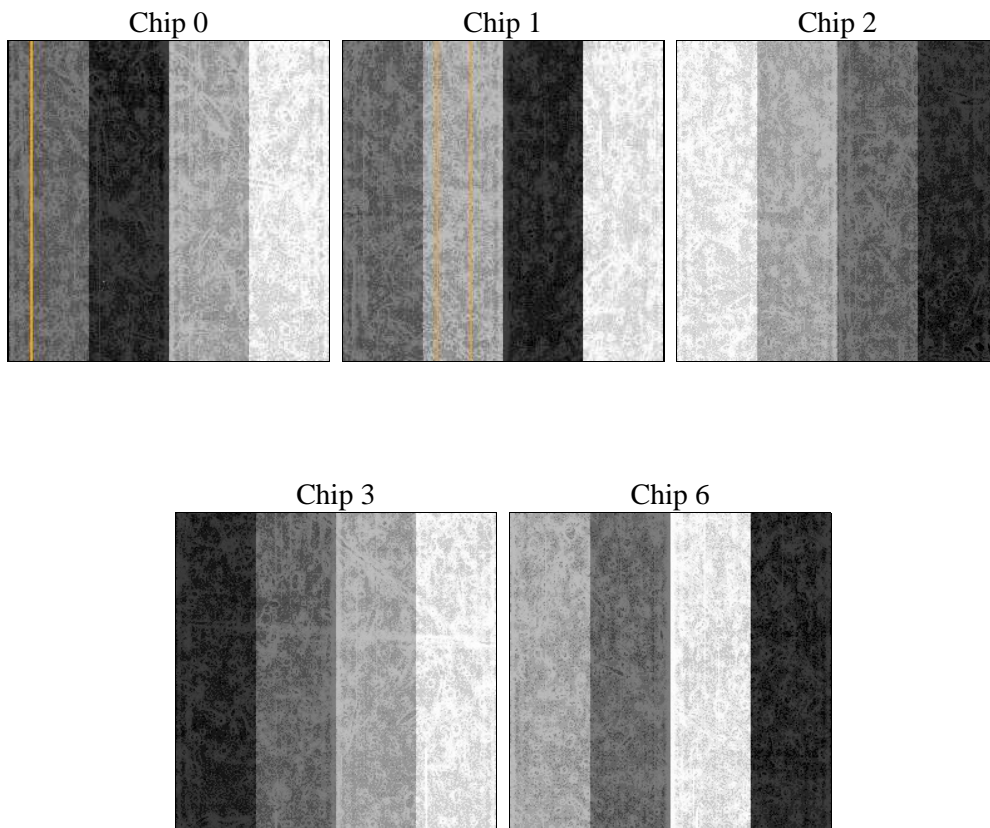
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14300.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	14349.447149396	Sum of GTIs [s]
caldbver	4.7.1	 	ontime0	14349.365069389	Sum of GTIs [s]
date	2016-04-14T18:43:14	Date and time of file creation	ontime1	14343.12396884	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	14349.447149396	Sum of GTIs [s]
			ontime3	14349.48818934	Sum of GTIs [s]
			ontime6	14349.324029326	Sum of GTIs [s]
			l1events	501584	Number of level 1 events

2.1.4 Events

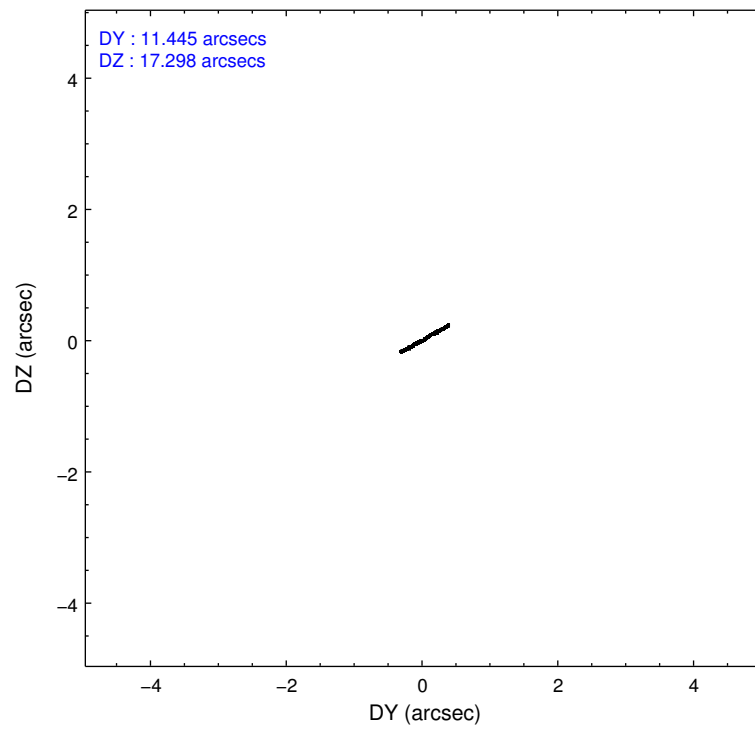
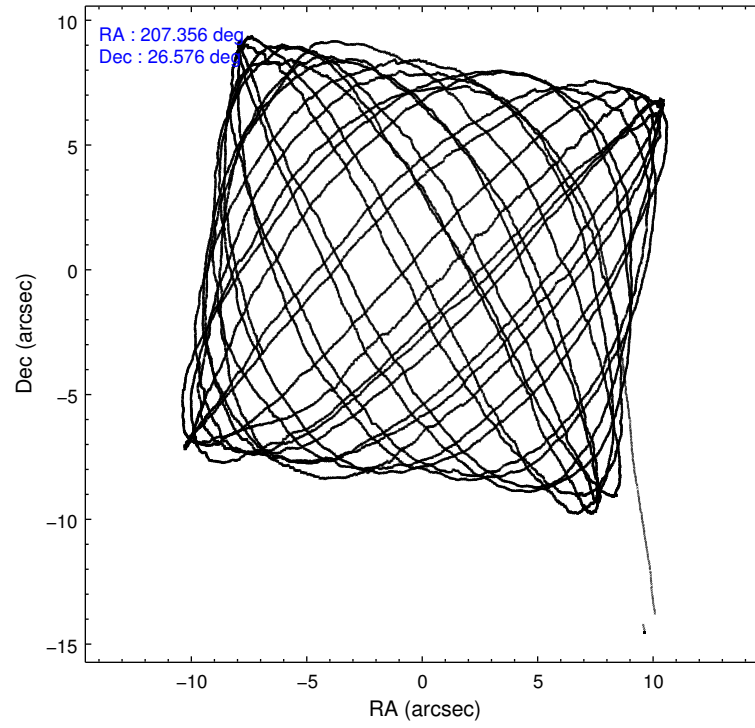
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	84179	86806	143014	94139	93446
rejected events	73526	71336	82341	79658	80163
rejected %	87%	82%	57%	84%	85%

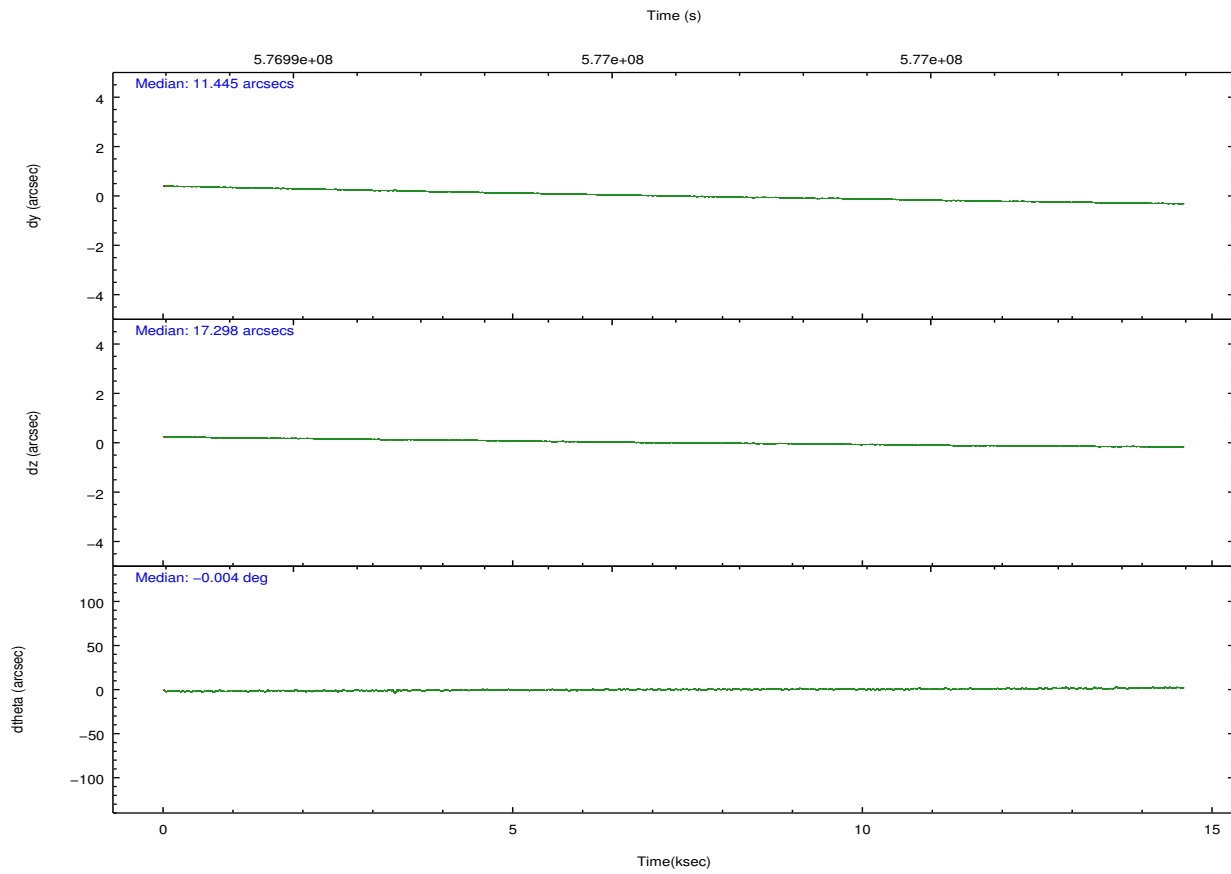
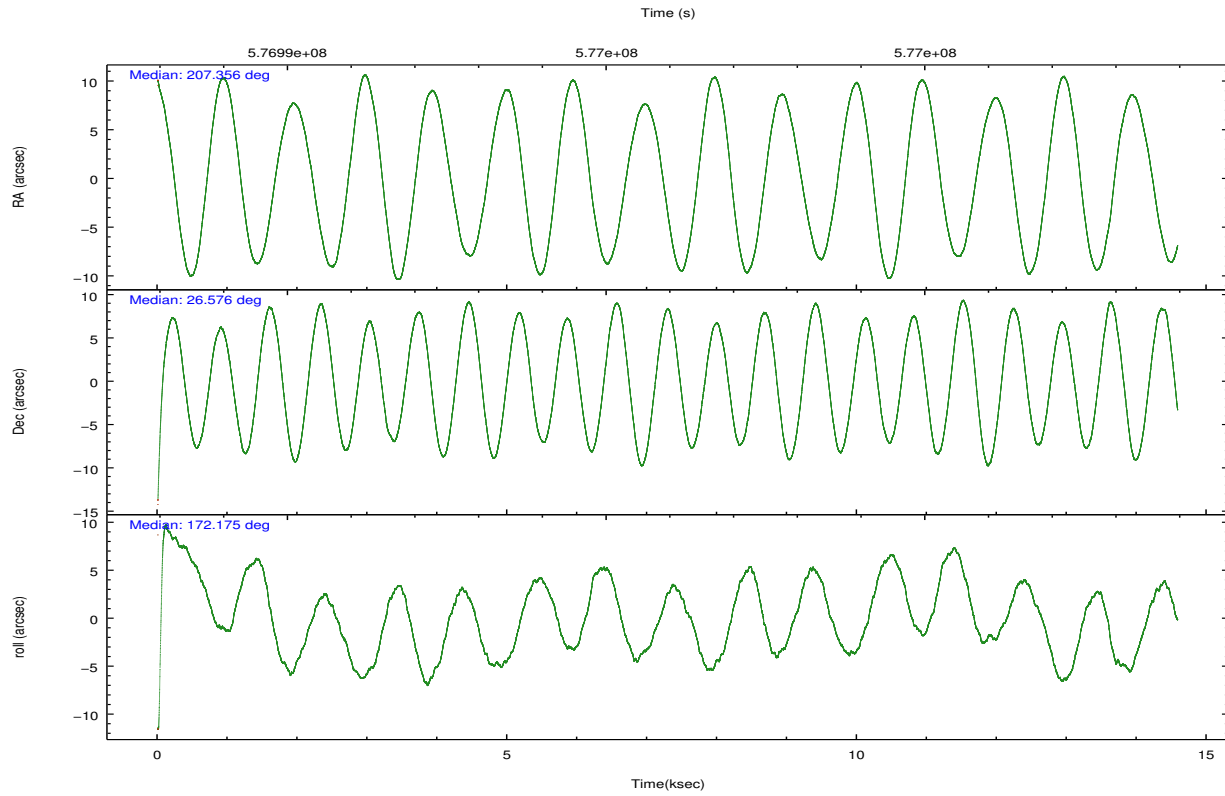
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4058	8357	43762	8306	5838
	4%	9%	30%	8%	6%
grade 1 events	58	82	194	74	53
	0%	0%	0%	0%	0%
grade 2 events	2484	2565	7791	2171	2879
	2%	2%	5%	2%	3%
grade 3 events	1024	1006	2825	996	1029
	1%	1%	1%	1%	1%
grade 4 events	992	1005	2735	1002	988
	1%	1%	1%	1%	1%
grade 5 events	3647	3734	3511	4020	3781
	4%	4%	2%	4%	4%
grade 6 events	2097	2542	3582	2014	2549
	2%	2%	2%	2%	2%
grade 7 events	69819	67515	78614	75556	76329
	82%	77%	54%	80%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	207.384938	207.3563776741239	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.586517	26.57602204183208	Alternating exposures requested	N	N
[deg] Pointing Roll	171.956982	172.1784362904356	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	575856068.184000	575856068.184000			
[s] Window stop time (MET)	578361668.184000	578361668.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-215.164963	-215.162531930997			
[mm] SIM translation stage offset	-18.4275	-18.42992107193268			
[s] Observation start time (MET)	576988966.184000	576987979.60005			
Observation start date	2016-04-14T02:41:38	2016-04-14T02:26:19			
[s] Observation end time (MET)	577003266.184000	577003830.71346			
Observation end date	2016-04-14T06:39:58	2016-04-14T06:50:30			
Read mode	TIMED	TIMED			

2.3 Aspect





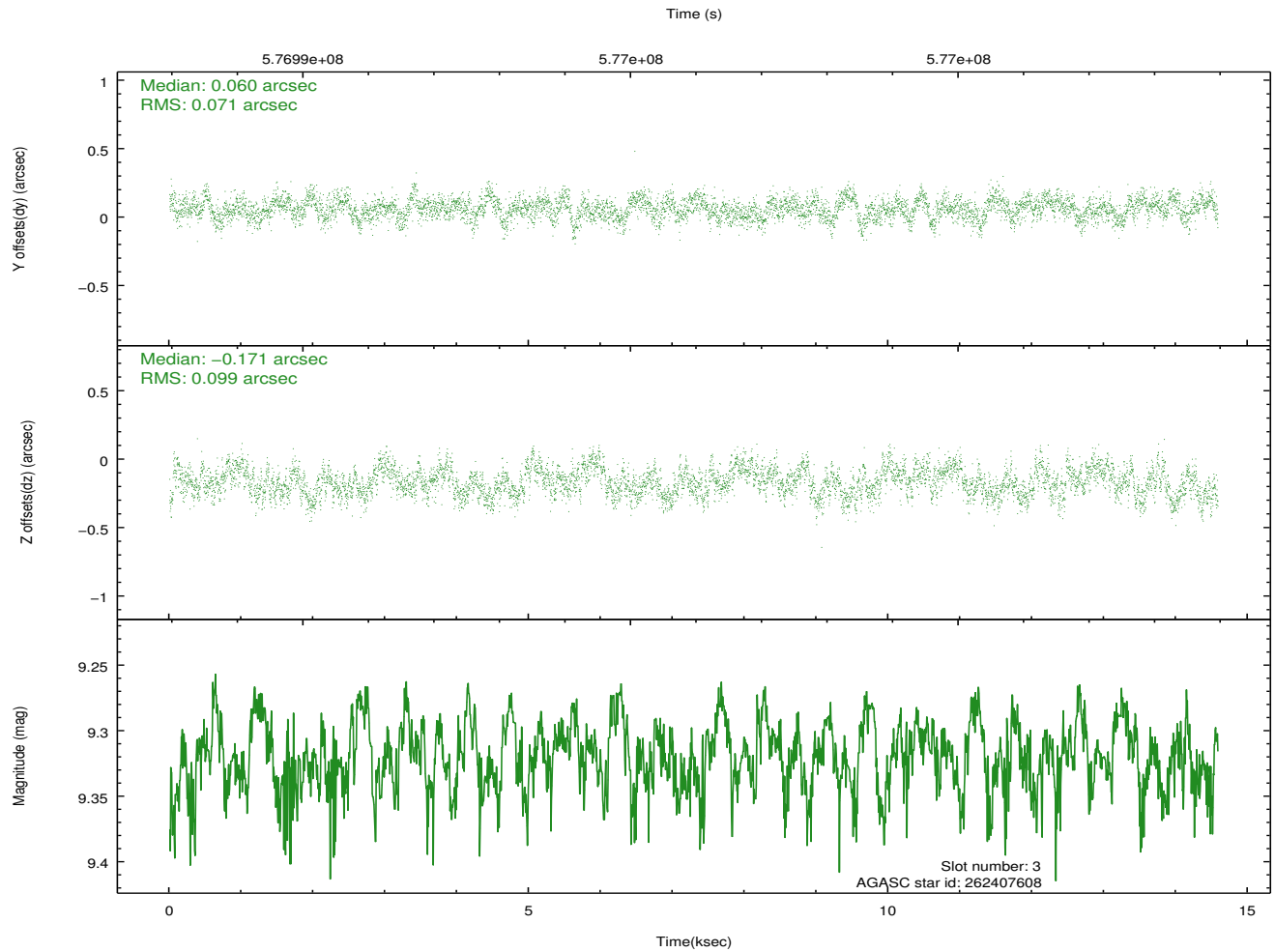
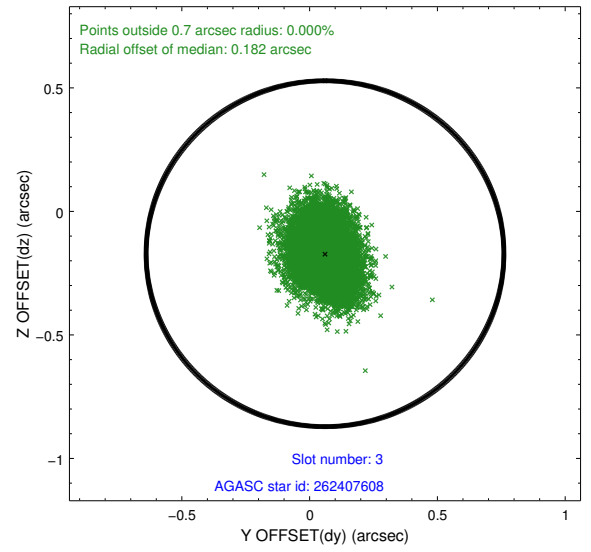
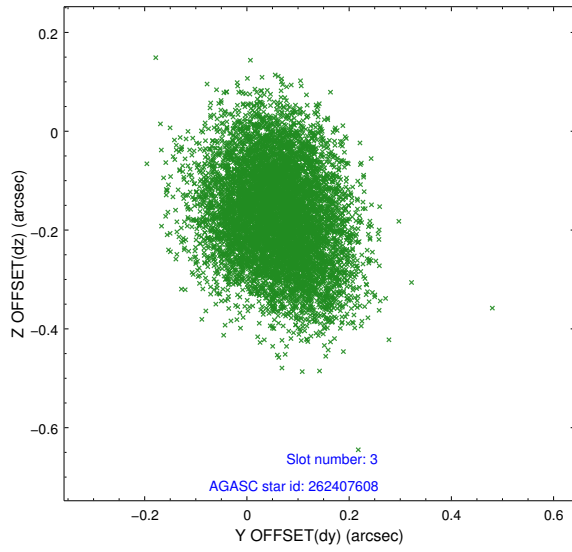
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	3557	0.319	-0.241	0.008	0.015	0.000000	0.000000	928.12	-1219.66
1	FID		ACIS-I-5	7.25	3557	-0.527	0.217	0.006	0.011	0.000000	0.000000	-1820.73	677.90
2	FID		ACIS-I-6	7.29	3556	0.116	0.095	0.007	0.012	0.000000	0.000000	393.02	1322.75
3	GUIDE	used	262407608	9.32	7104	0.060	-0.171	0.131	0.208	207.378401	26.435507	-55.16	541.50
4	GUIDE	used	262408096	9.31	7104	-0.040	-0.199	0.155	0.250	207.011678	26.515421	1155.77	420.10
5	GUIDE	used	262408512	7.98	7112	0.067	0.148	0.097	0.156	207.800210	27.128796	-1043.40	-2120.83
6	GUIDE	used	262408936	9.65	7106	-0.018	0.212	0.178	0.286	207.154731	26.726554	803.34	-395.77
7	GUIDE	used	262414456	9.24	7107	-0.071	0.016	0.120	0.203	208.043290	26.129682	-2336.25	1325.83

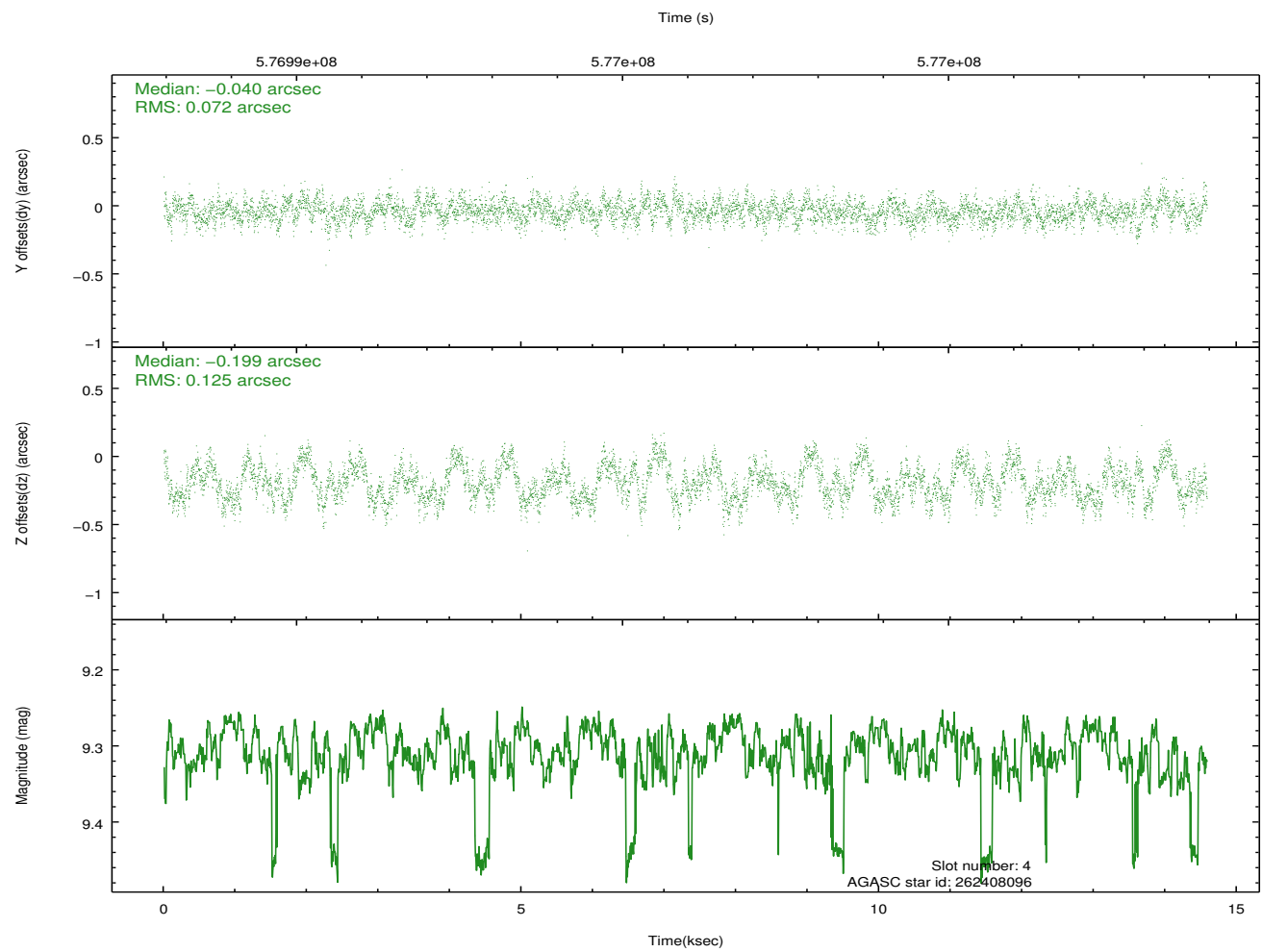
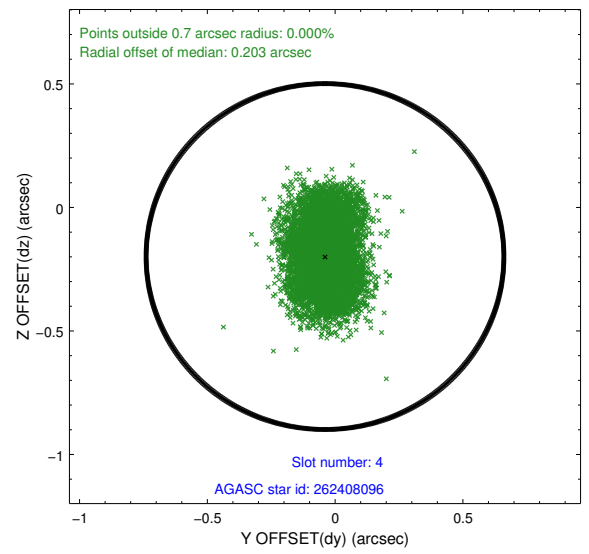
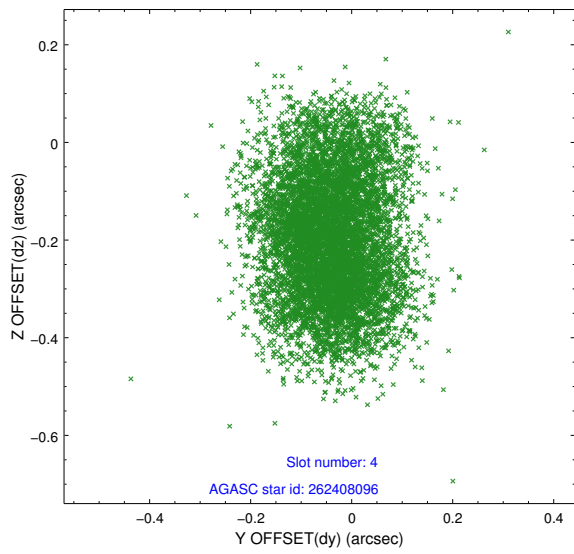
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2.4 Star Slots

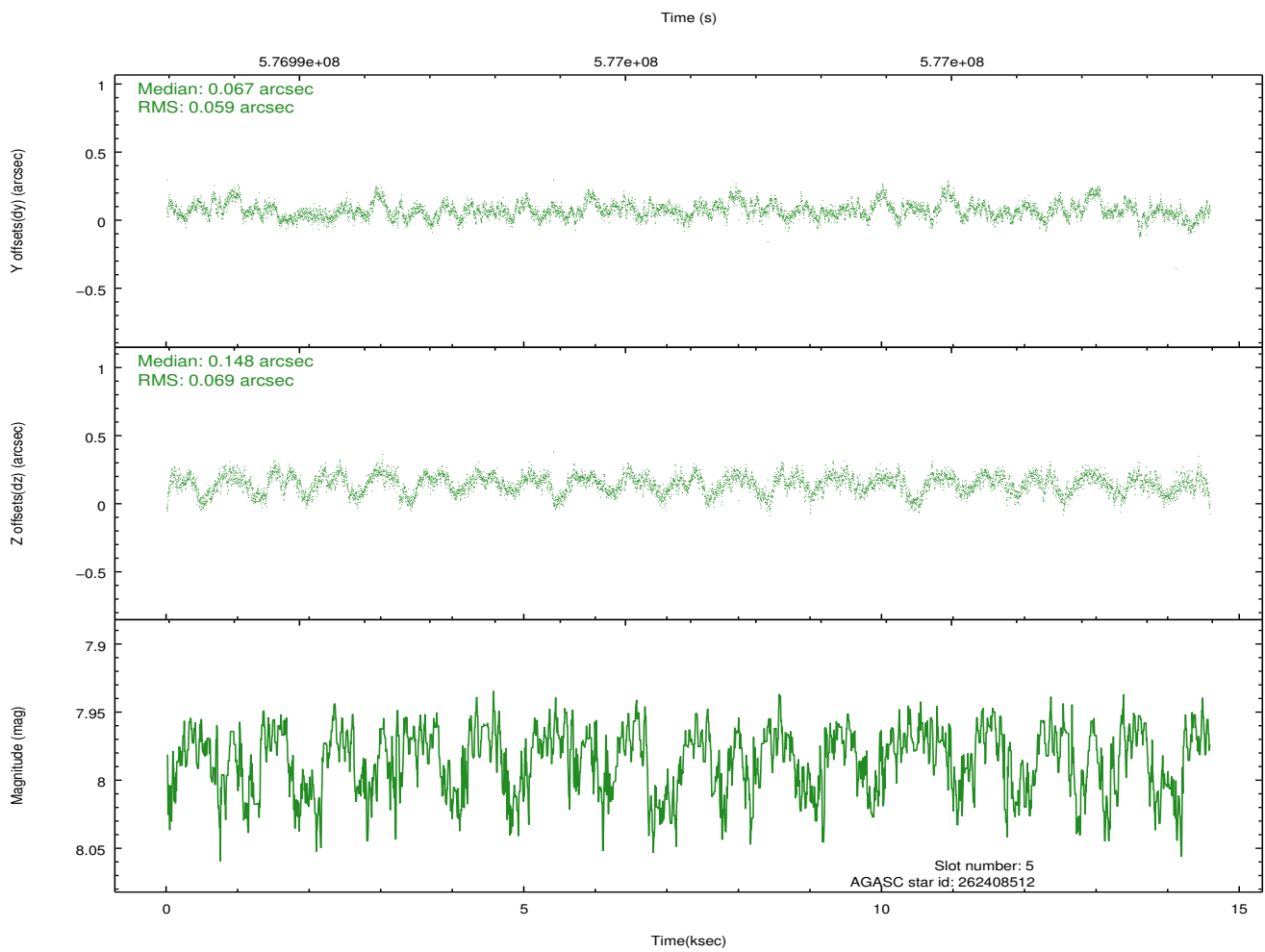
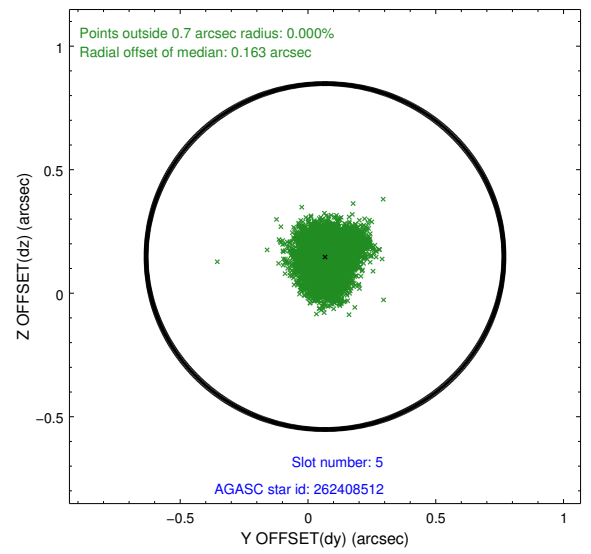
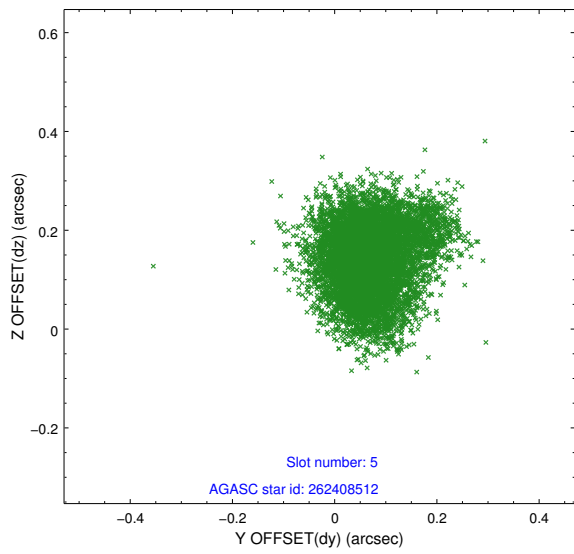
2.4.1 Slot 3



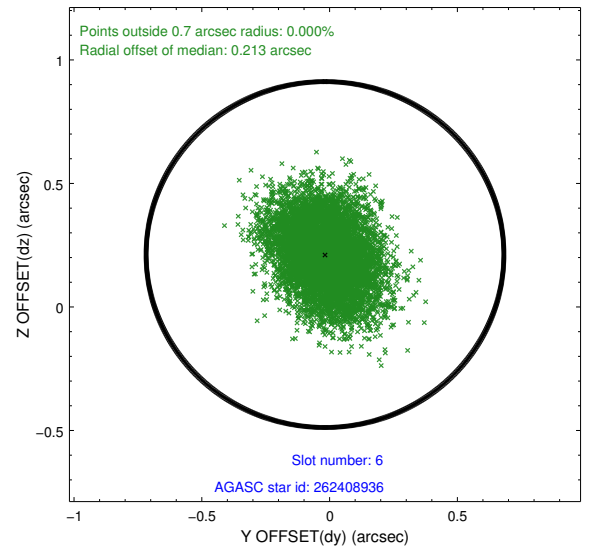
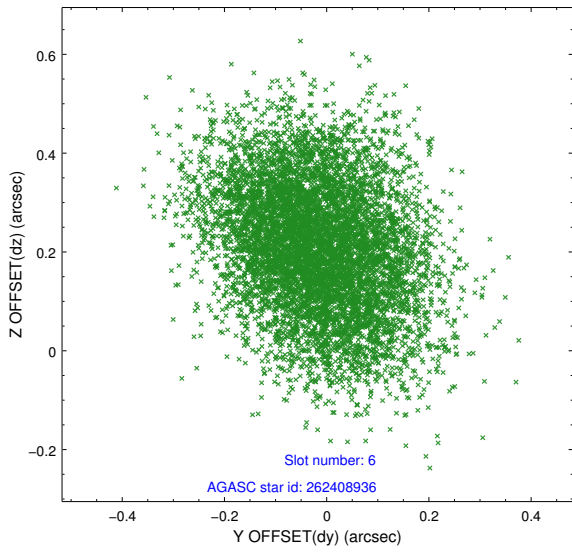
2.4.2 Slot 4



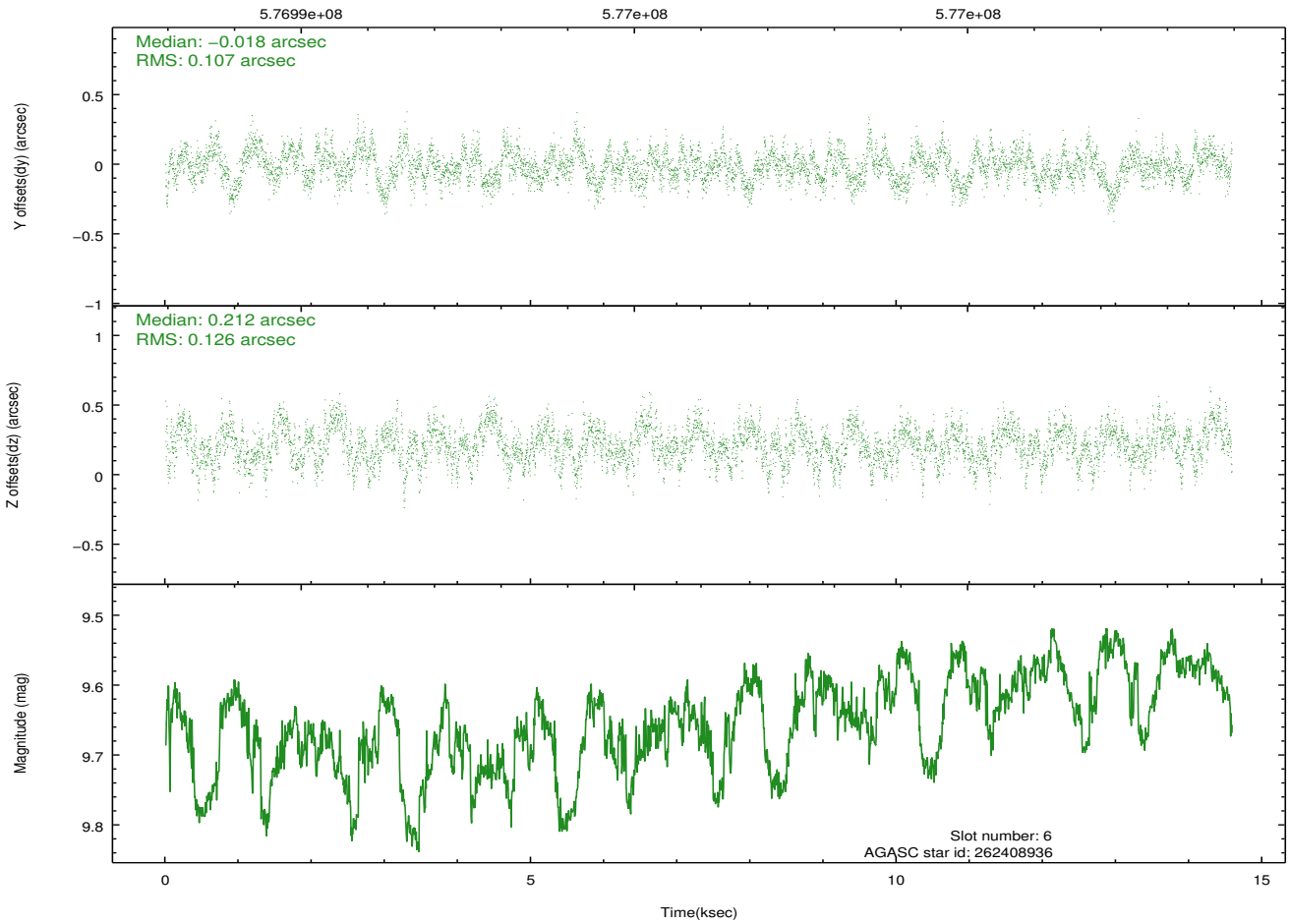
2.4.3 Slot 5



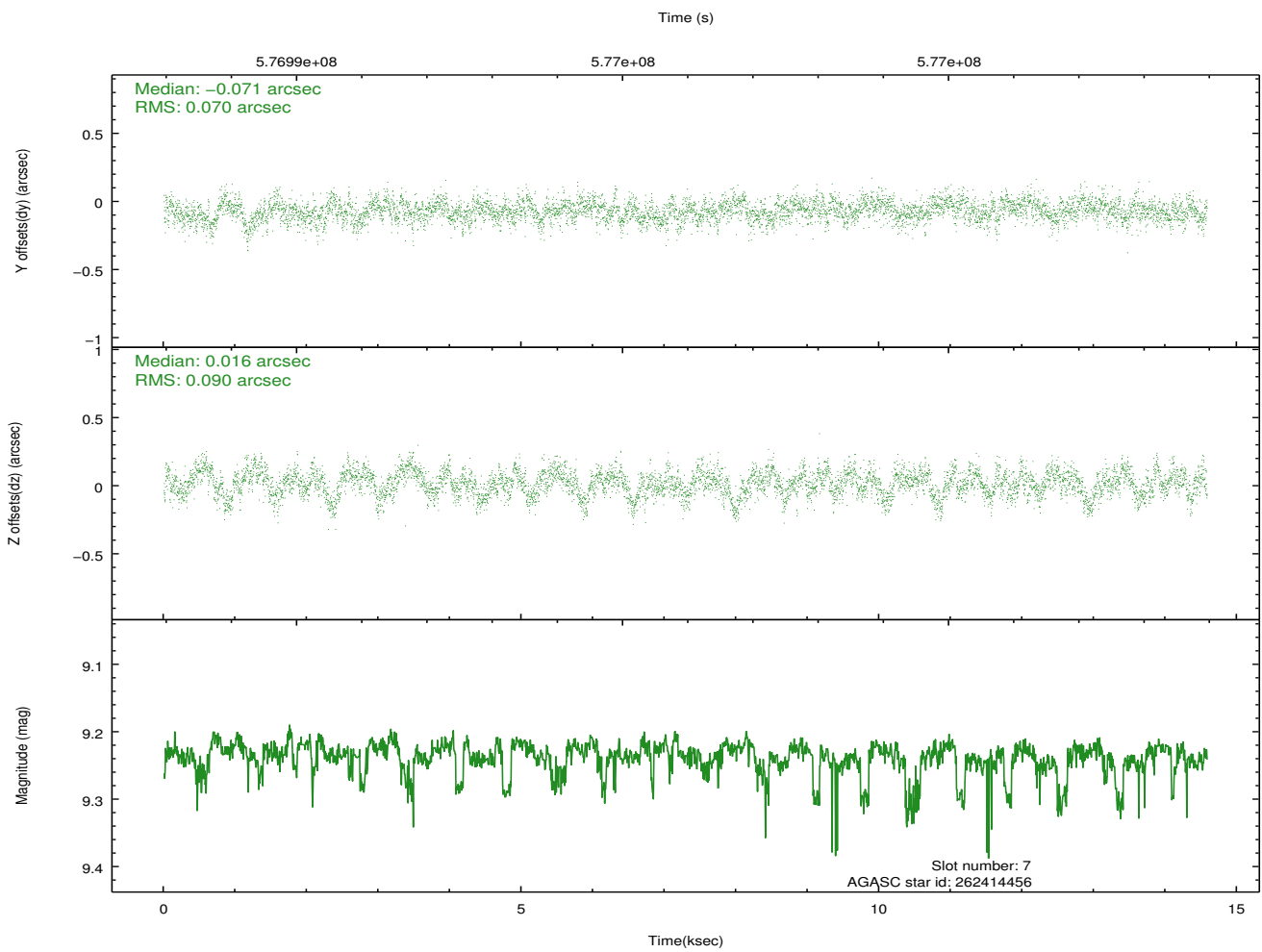
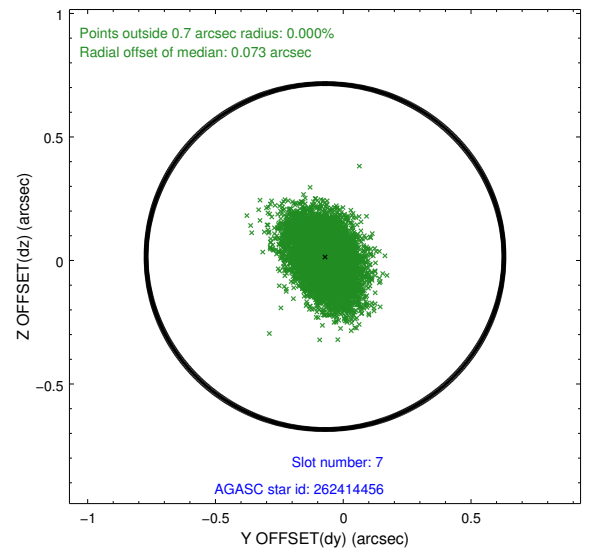
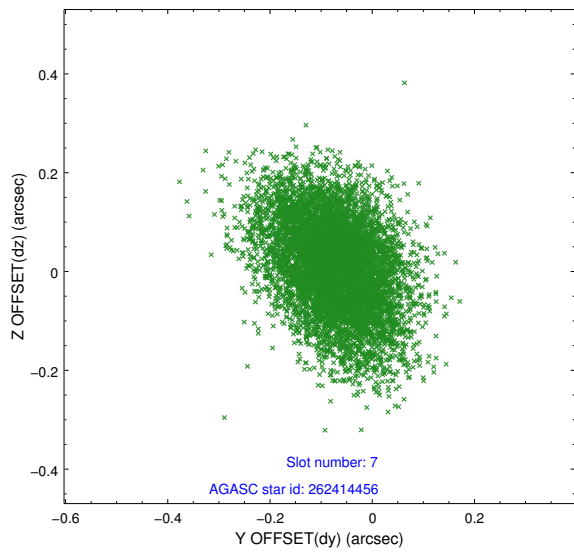
2.4.4 Slot 6



Time (s)

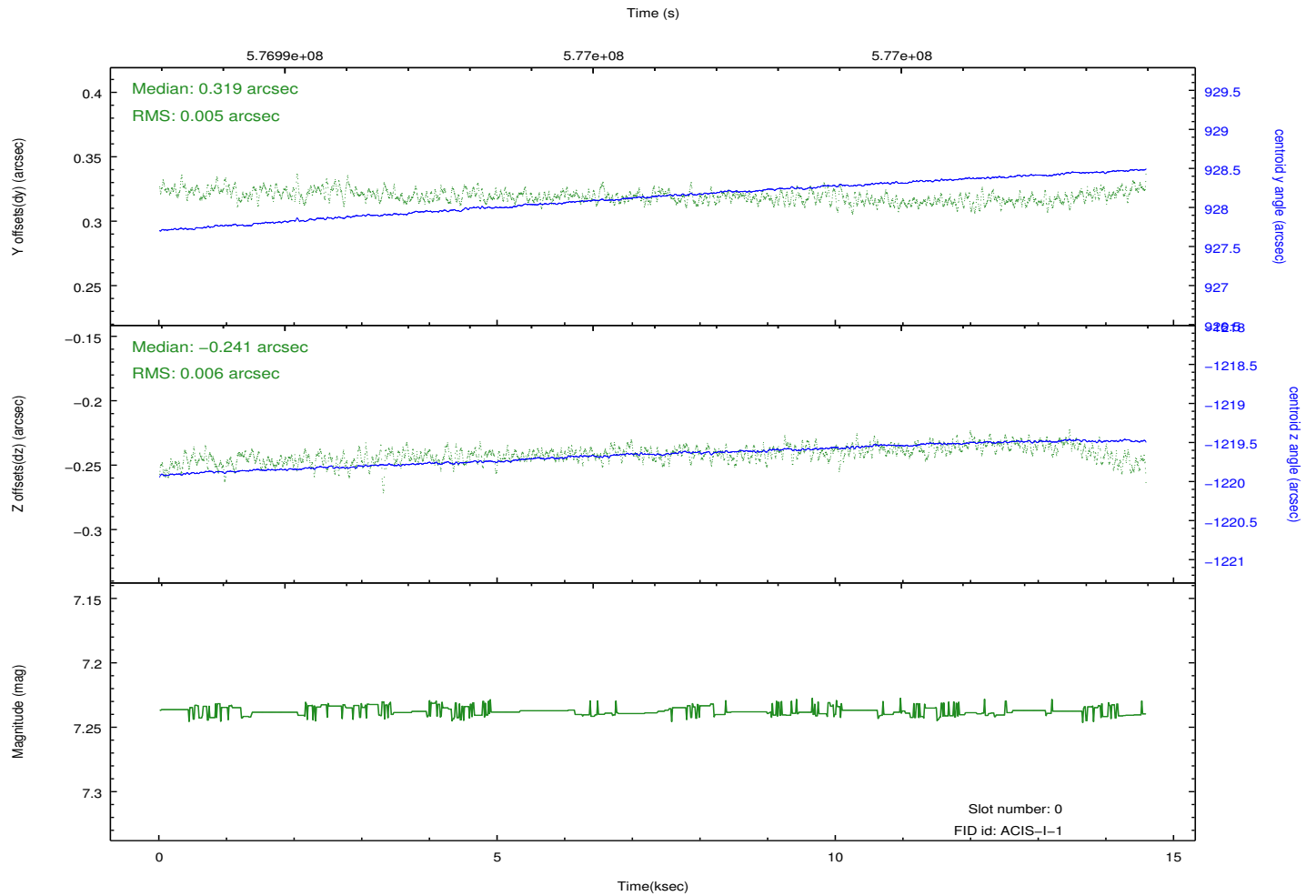
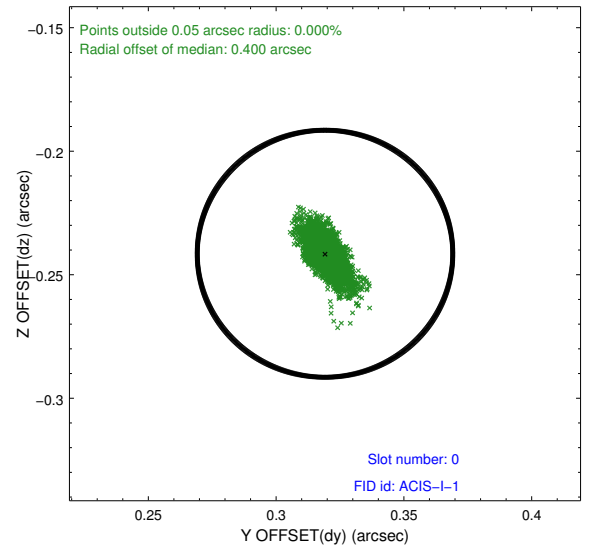
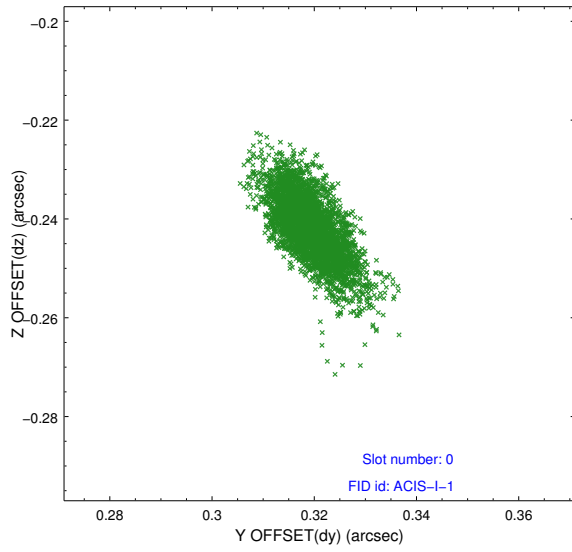


2.4.5 Slot 7

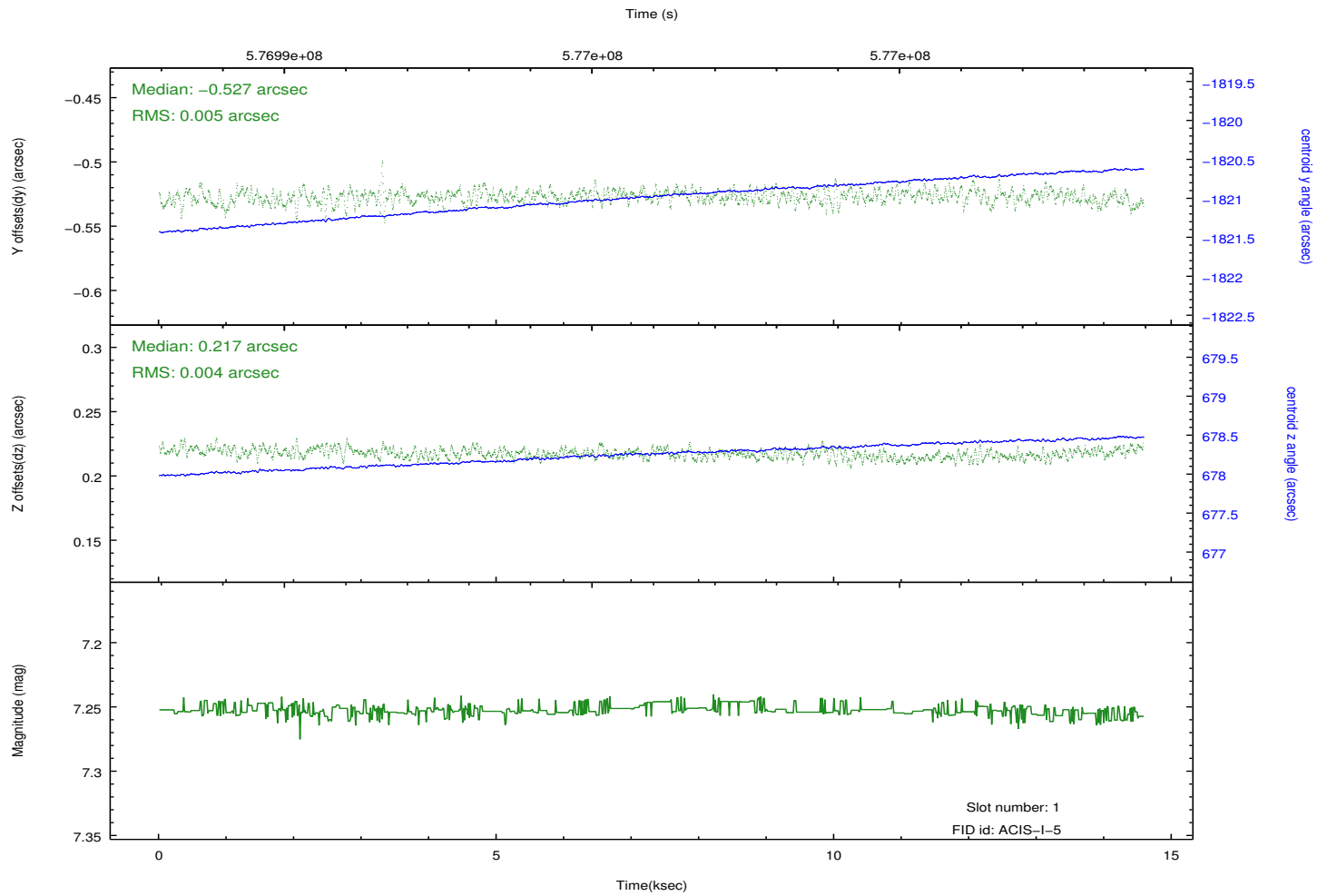
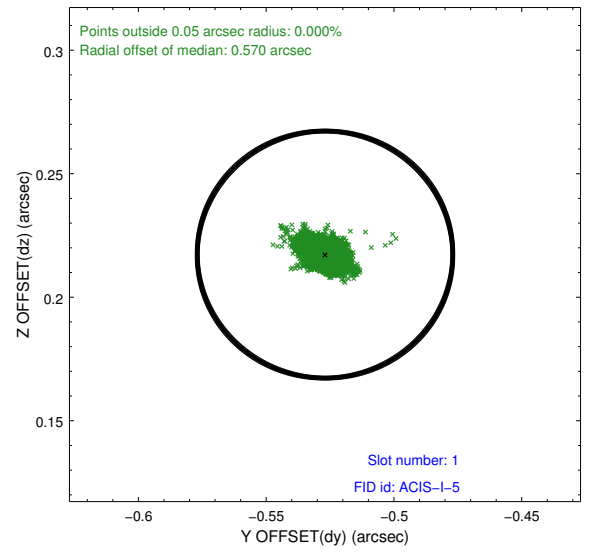
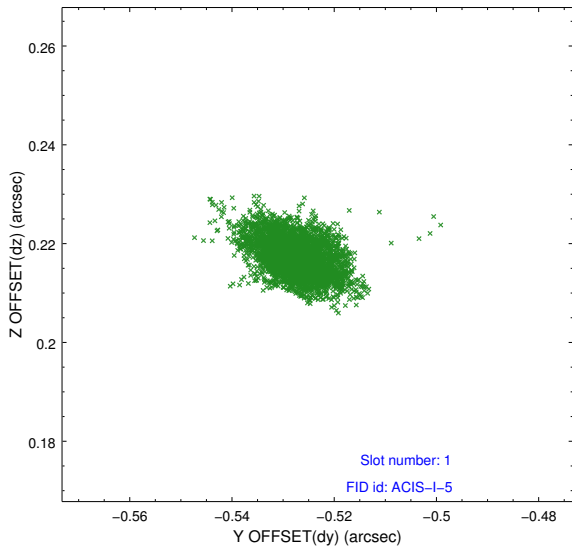


2.5 FID Slots

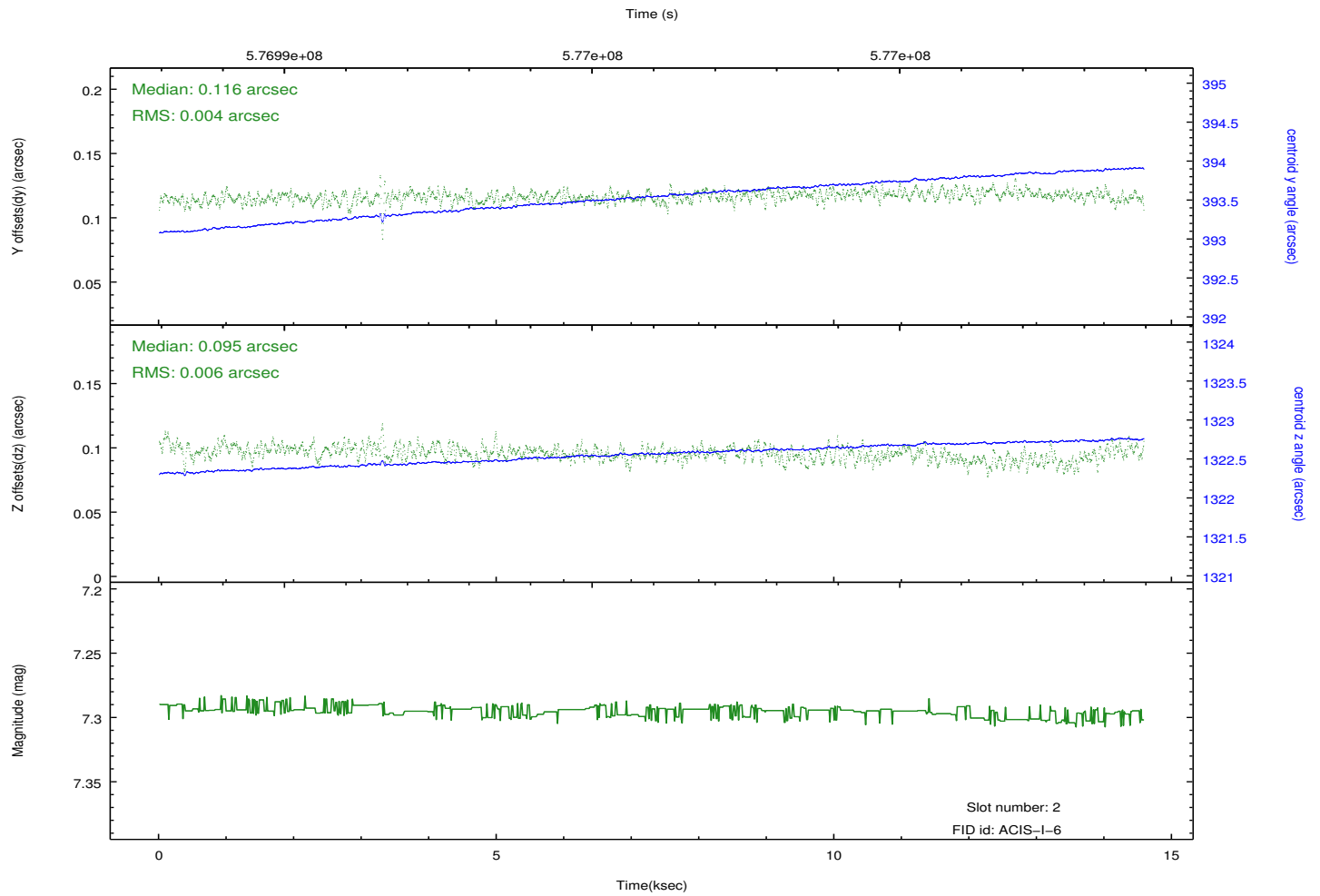
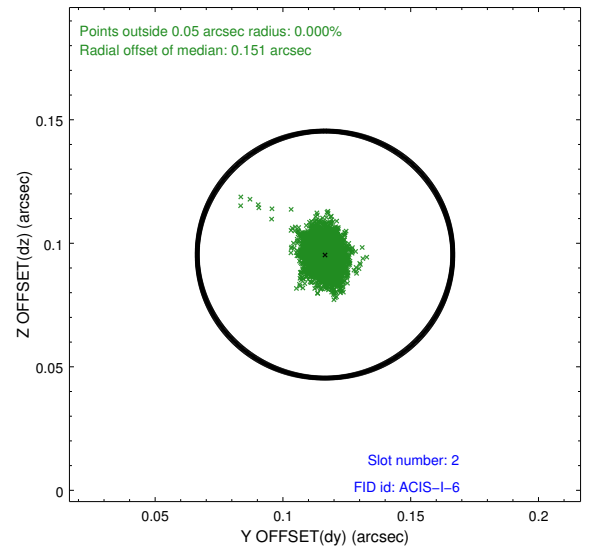
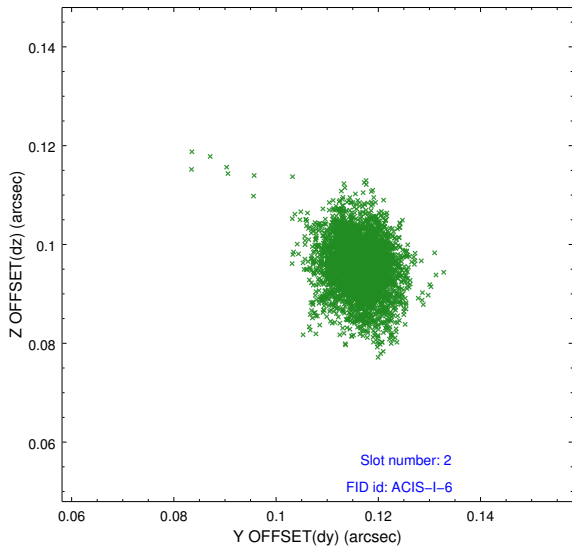
2.5.1 Slot 0



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)	2016.04.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.349447149396

A.2 Comments