

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18417 - L2 Version 1
Chandra X-Ray Center

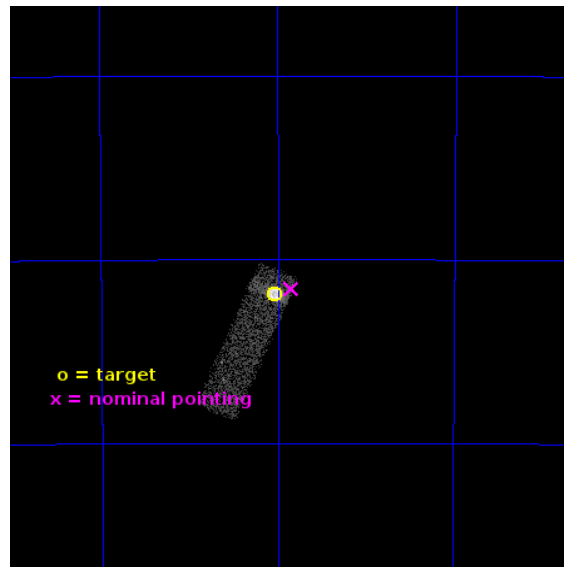
L2 Processing Date : Mar 14 2016

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1 Front

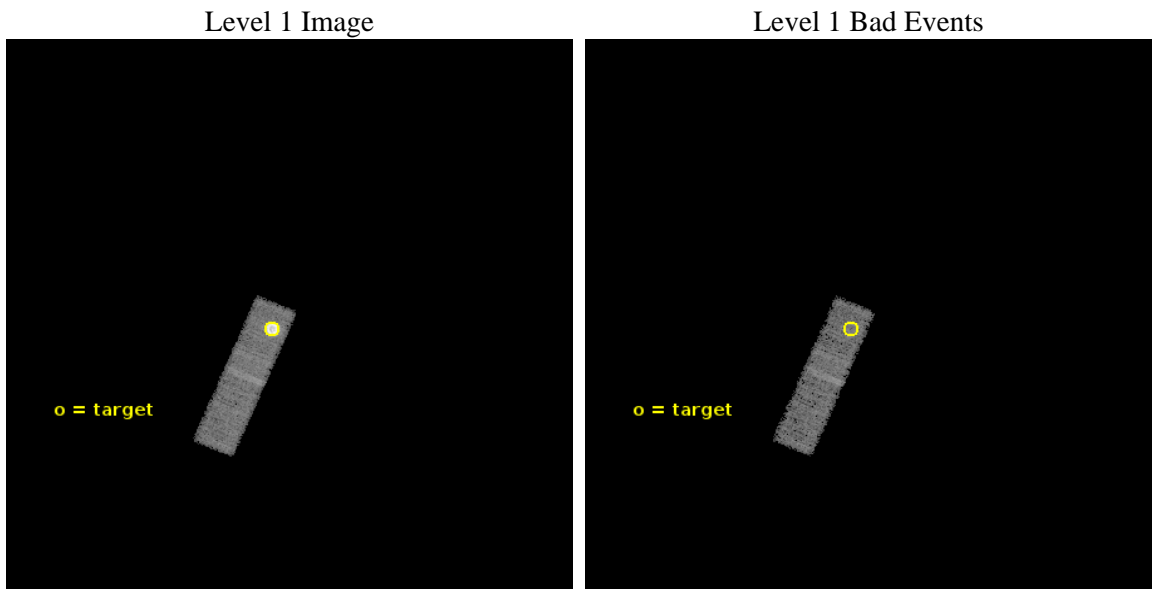
seq_num	590547	Sequence number
obs_id	18417	Observation id
title	AO-17 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72 I3,-120,-0.5,0.5,0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.961286770212	Nominal RA [deg]
dec_nom	-72.026799325558	Nominal Dec [deg]
roll_nom	203.1468897949	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24059.116535187	Sum of GTIs [s]
livetime	22885.110373049	Livetime [s]
ontime3	24059.116535187	Sum of GTIs [s]
l2events	46200	Number of level 2 events



2 OBI

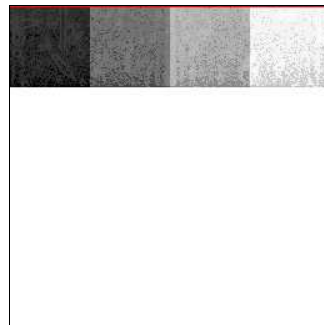
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	24000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	24059.116535187	Sum of GTIs [s]
caldbver	4.7.0	 	ontime3	24059.116535187	Sum of GTIs [s]
date	2016-03-15T02:17:19	Date and time of file creation	l1events	83481	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

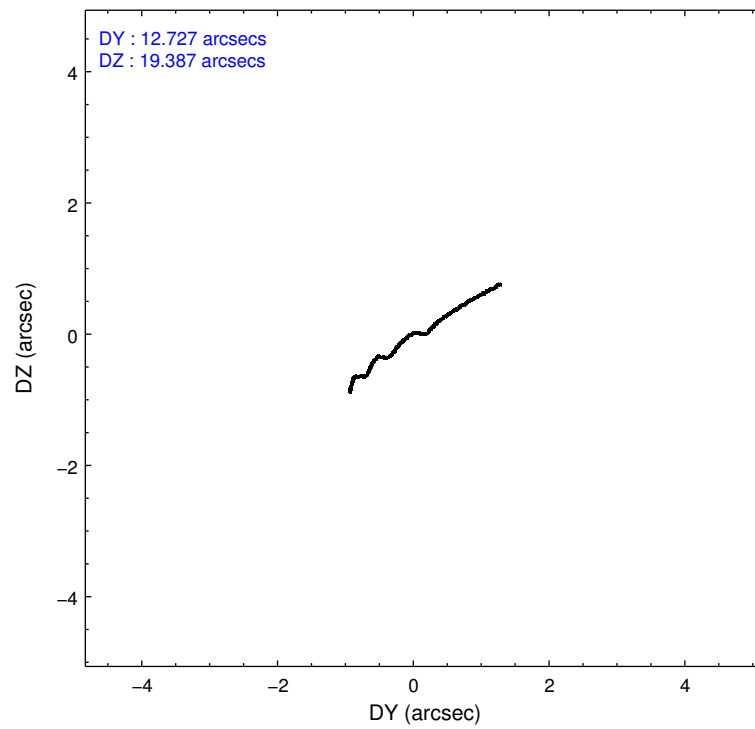
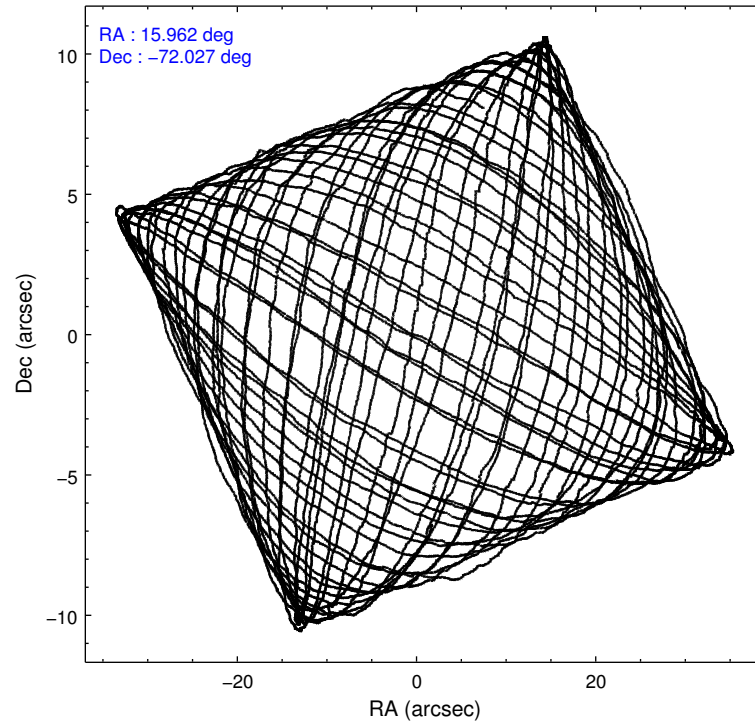
	ccd 3
level 1 events	83481
rejected events	36553
rejected %	43%

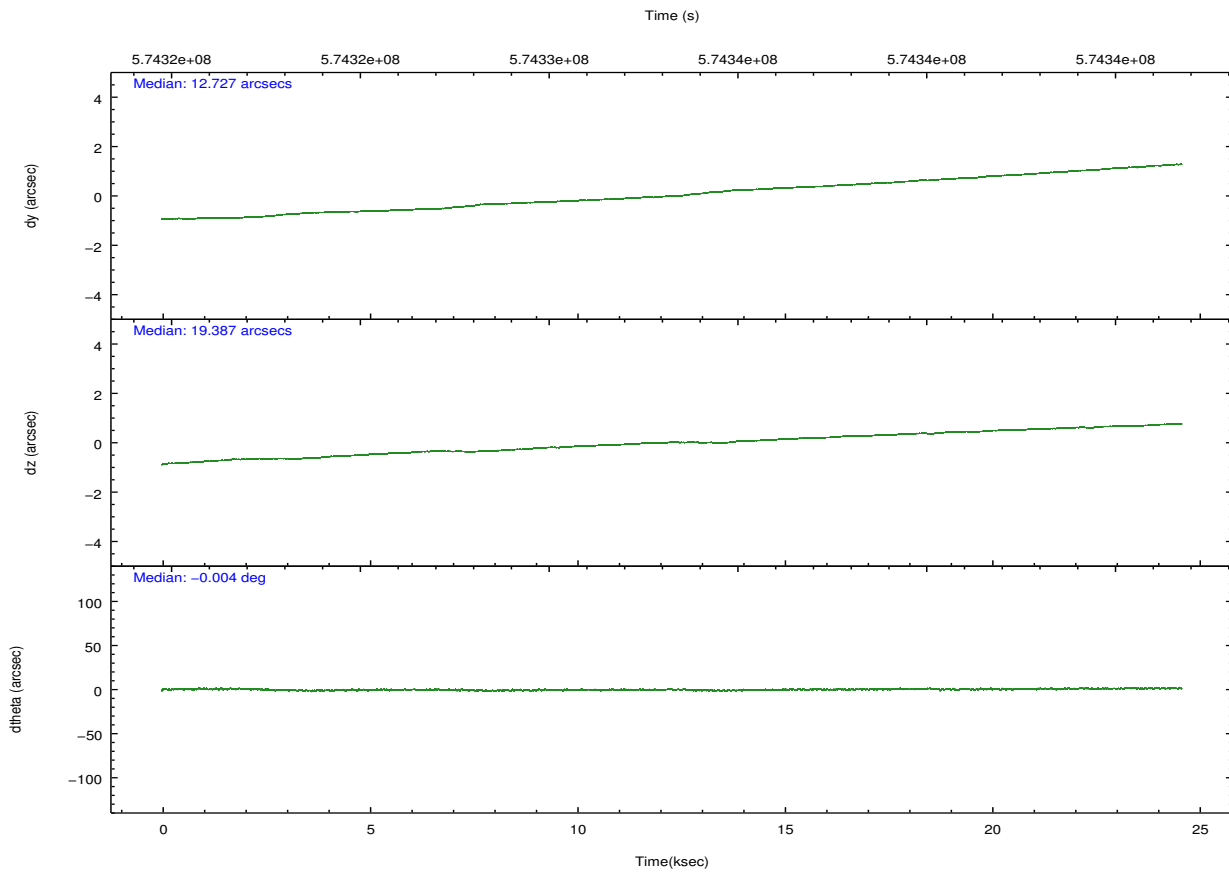
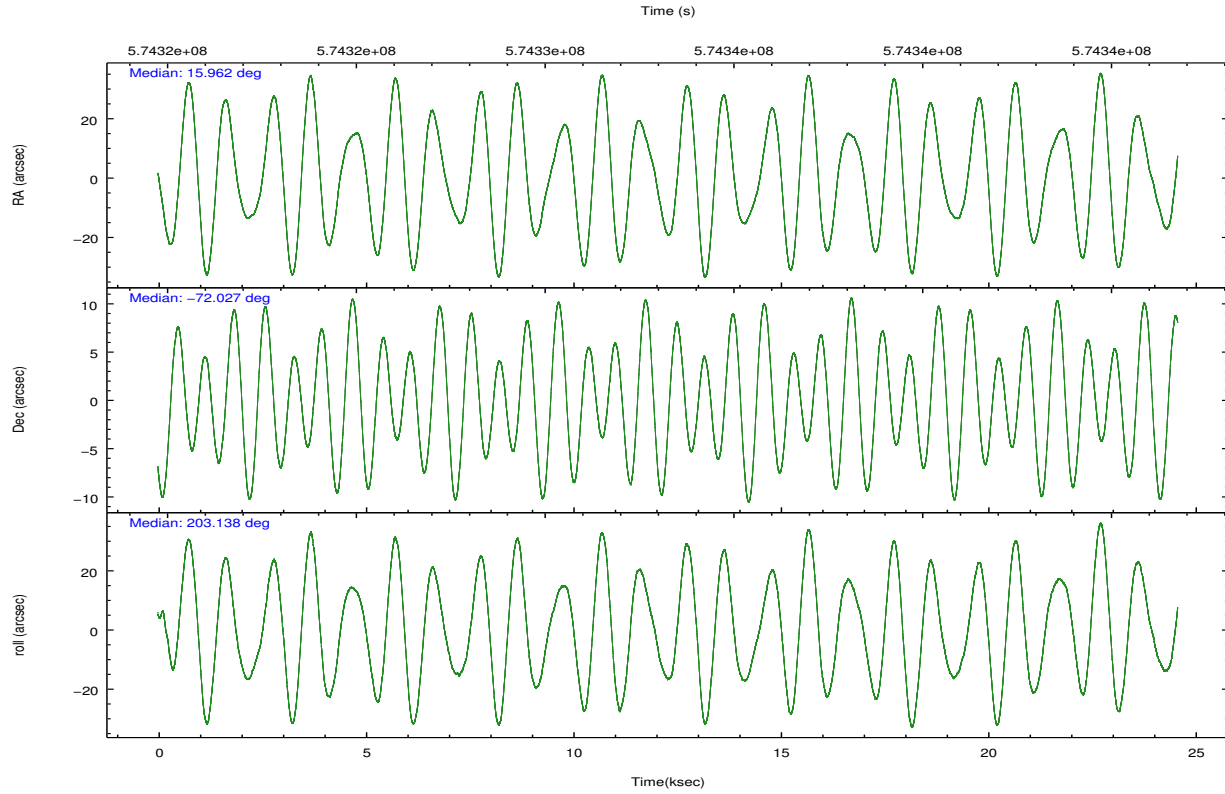
	ccd 3
grade 0 events	39569
	47%
grade 1 events	109
	0%
grade 2 events	3640
	4%
grade 3 events	1432
	1%
grade 4 events	1345
	1%
grade 5 events	1665
	1%
grade 6 events	945
	1%
grade 7 events	34776
	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	16.014683	15.96128677021223	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-72.004650	-72.02679932555817	Subarray start row	768	768
[deg] Pointing Roll	202.988991	203.146889794896	Subarray row count	256	256
[s] Window start time (MET)	570672068.184000	570672068.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	575769668.184000	575769668.184000	[s] Primary exposure time	0.000000	0.8
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	574321512.184000	574320734.1851799			
Observation start date	2016-03-14T05:44:04	2016-03-14T05:32:14			
[s] Observation end time (MET)	574345512.184000	574346758.42416			
Observation end date	2016-03-14T12:24:04	2016-03-14T12:45:58			
Read mode	TIMED	TIMED			

2.3 Aspect





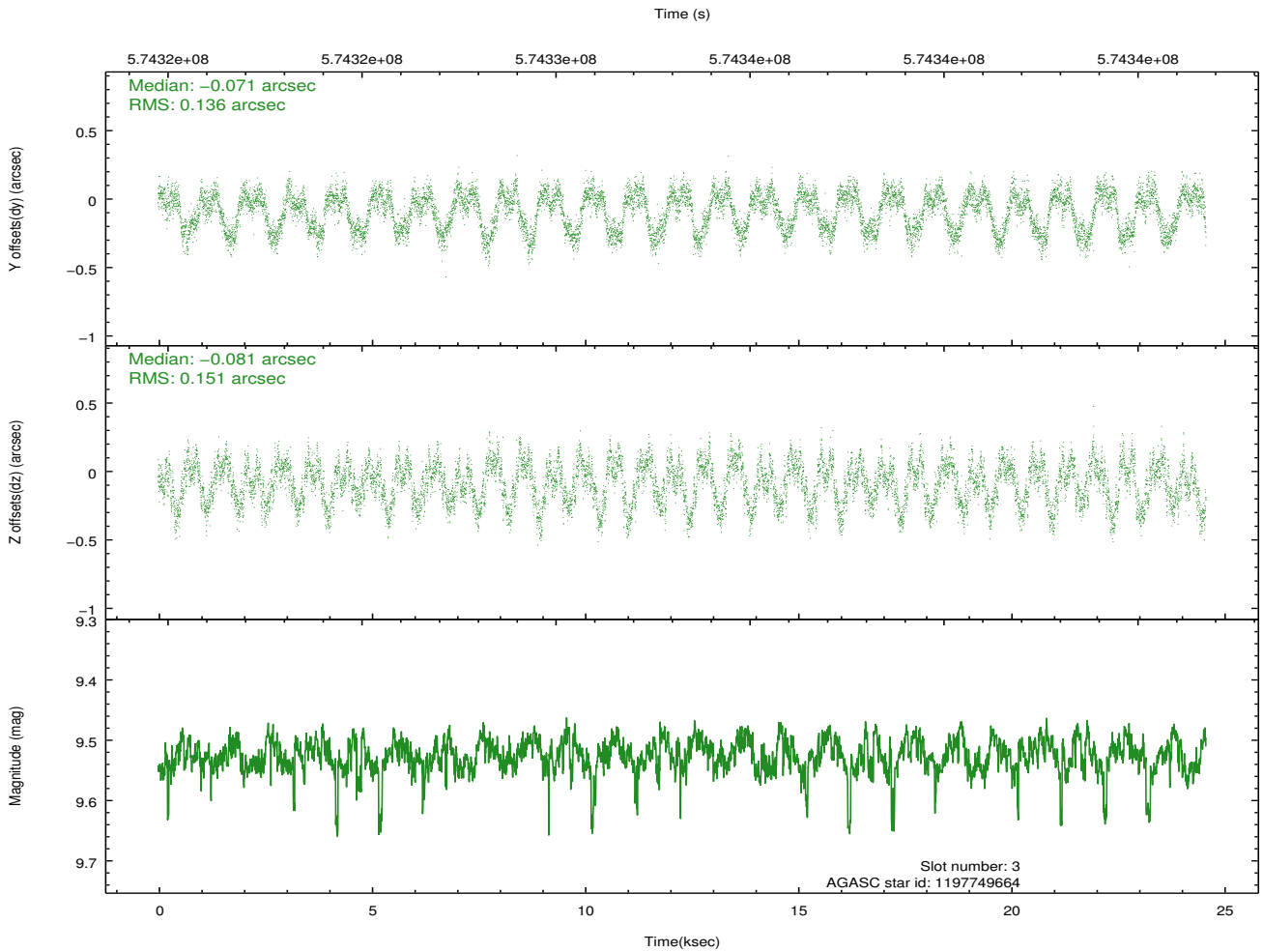
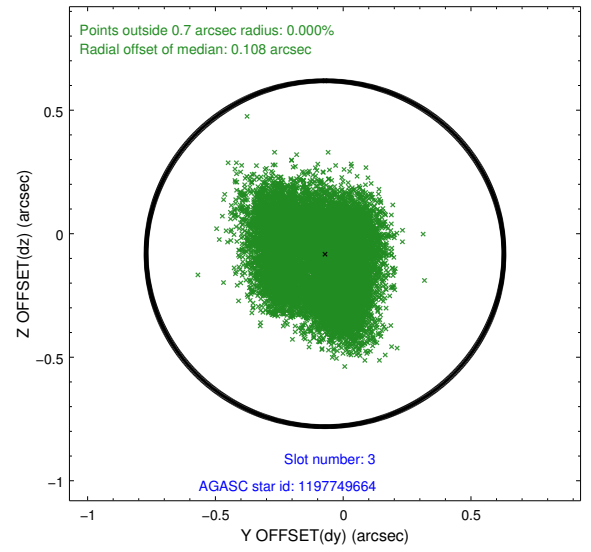
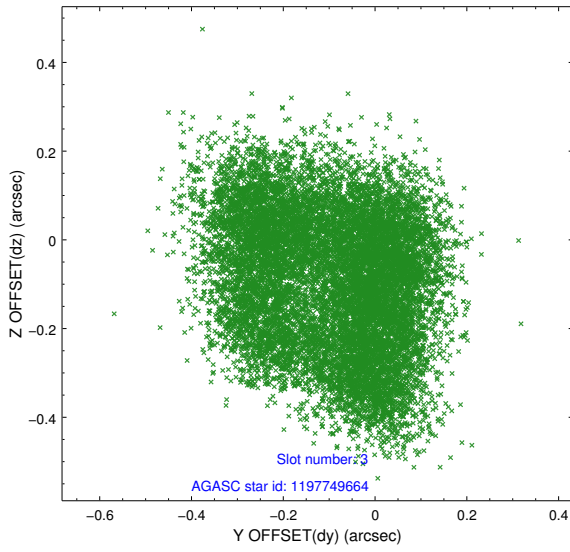
Slot Statistics

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	5996	0.082	-0.037	0.021	0.032	0.000000	0.000000	926.83	-843.09
1	FID		ACIS-I-5	7.25	5995	-0.325	0.051	0.015	0.025	0.000000	0.000000	-1821.68	1054.33
2	FID		ACIS-I-6	7.25	5996	0.154	0.057	0.023	0.034	0.000000	0.000000	392.22	1699.05
3	GUIDE	used	1197749664	9.53	11968	-0.071	-0.081	0.223	0.324	15.809015	-72.366369	715.11	1111.64
4	GUIDE	used	1197884712	8.29	11988	-0.096	-0.028	0.158	0.220	16.087398	-72.252690	275.56	853.57
5	GUIDE	used	1197885104	9.33	11978	0.133	0.059	0.137	0.219	17.845067	-72.189368	-1582.13	1428.12
6	GUIDE	used	1197885328	7.23	11990	0.353	0.328	0.100	0.155	16.283090	-71.733943	-660.22	-777.86
7	GUIDE	used	1198189696	7.34	11990	-0.311	-0.283	0.110	0.172	15.223750	-72.697522	1755.57	1970.98

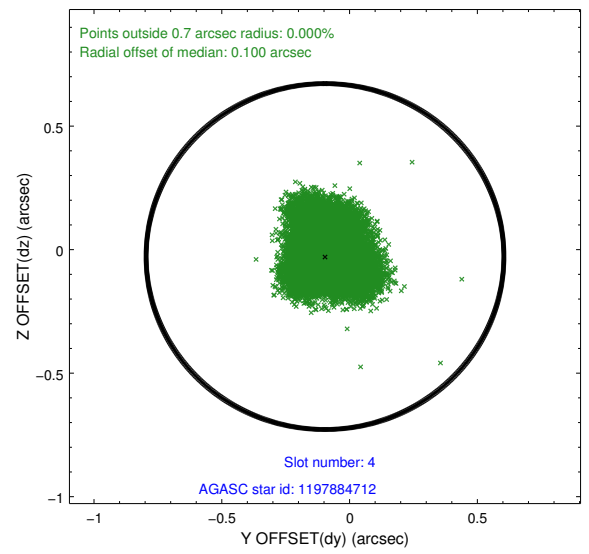
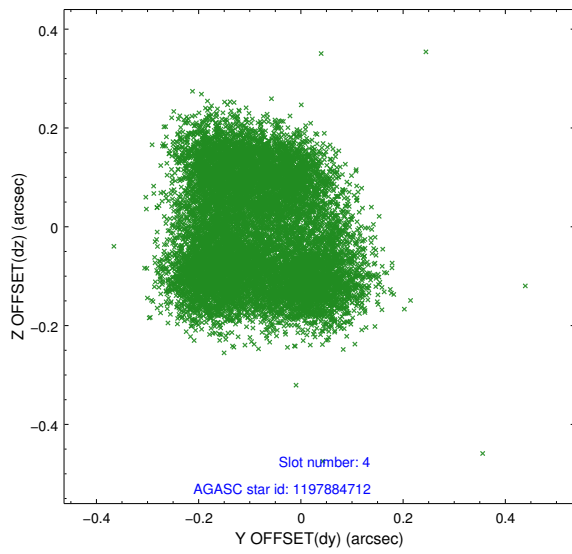
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2.4 Star Slots

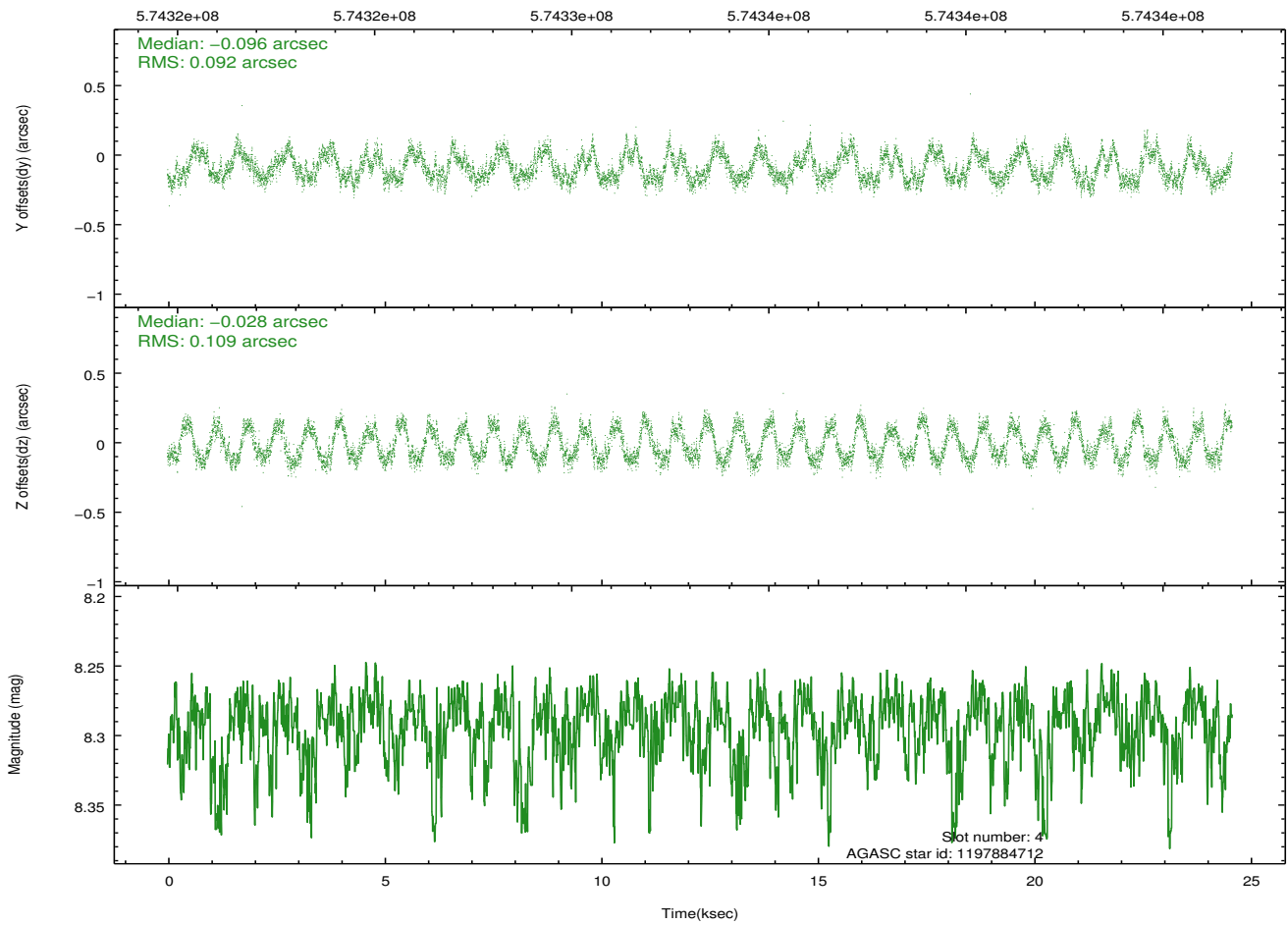
2.4.1 Slot 3



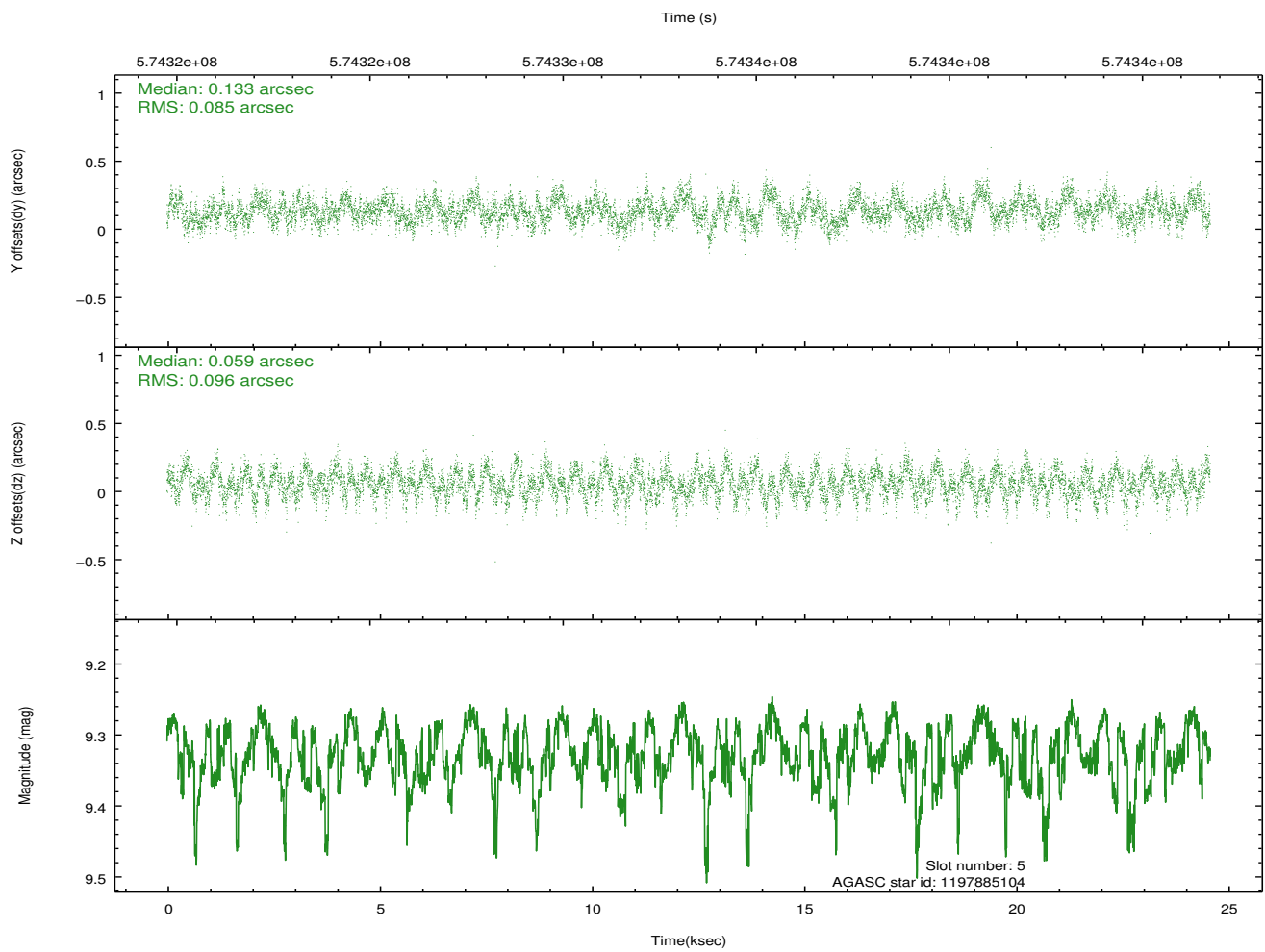
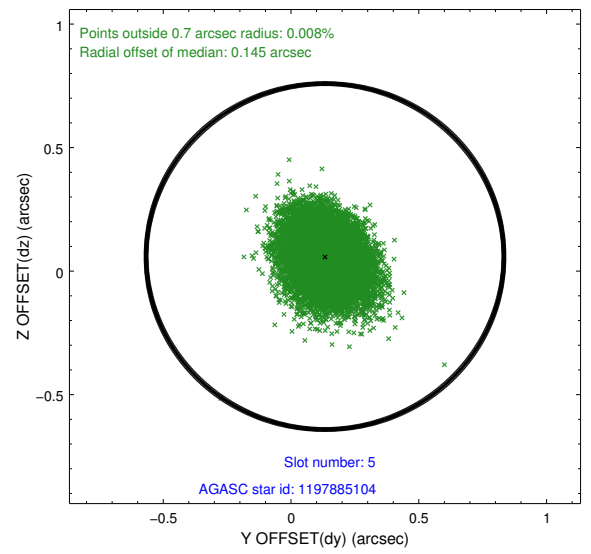
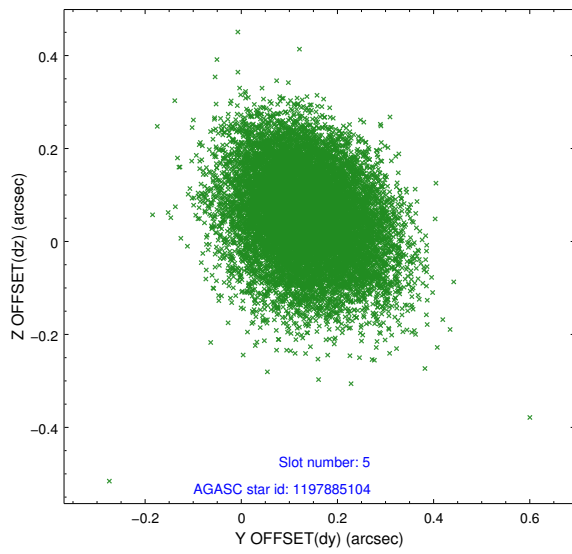
2.4.2 Slot 4



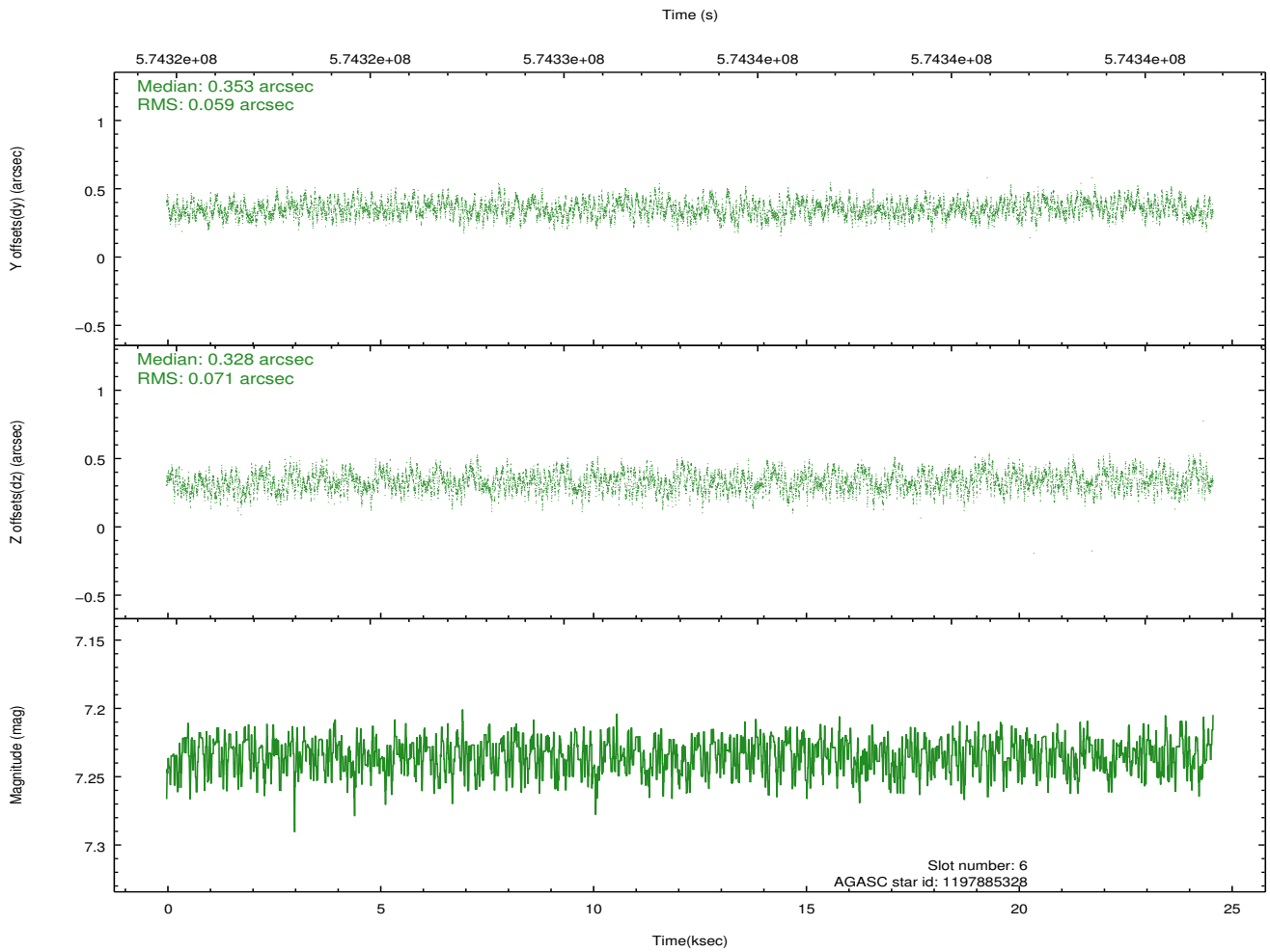
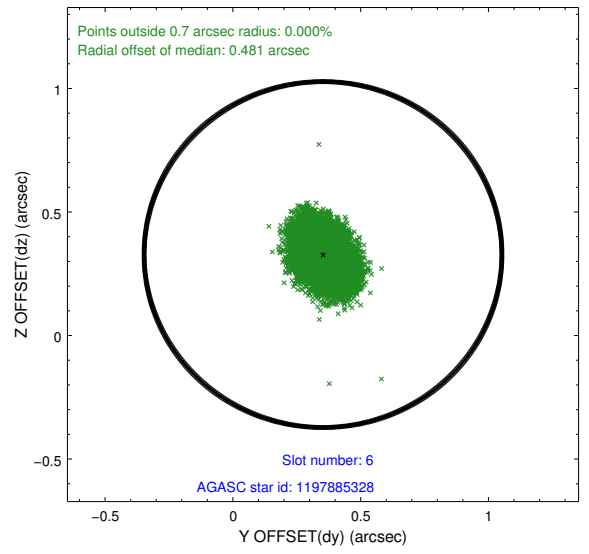
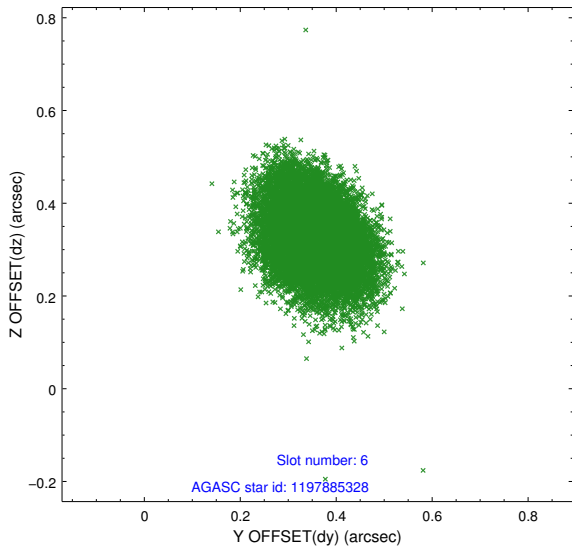
Time (s)



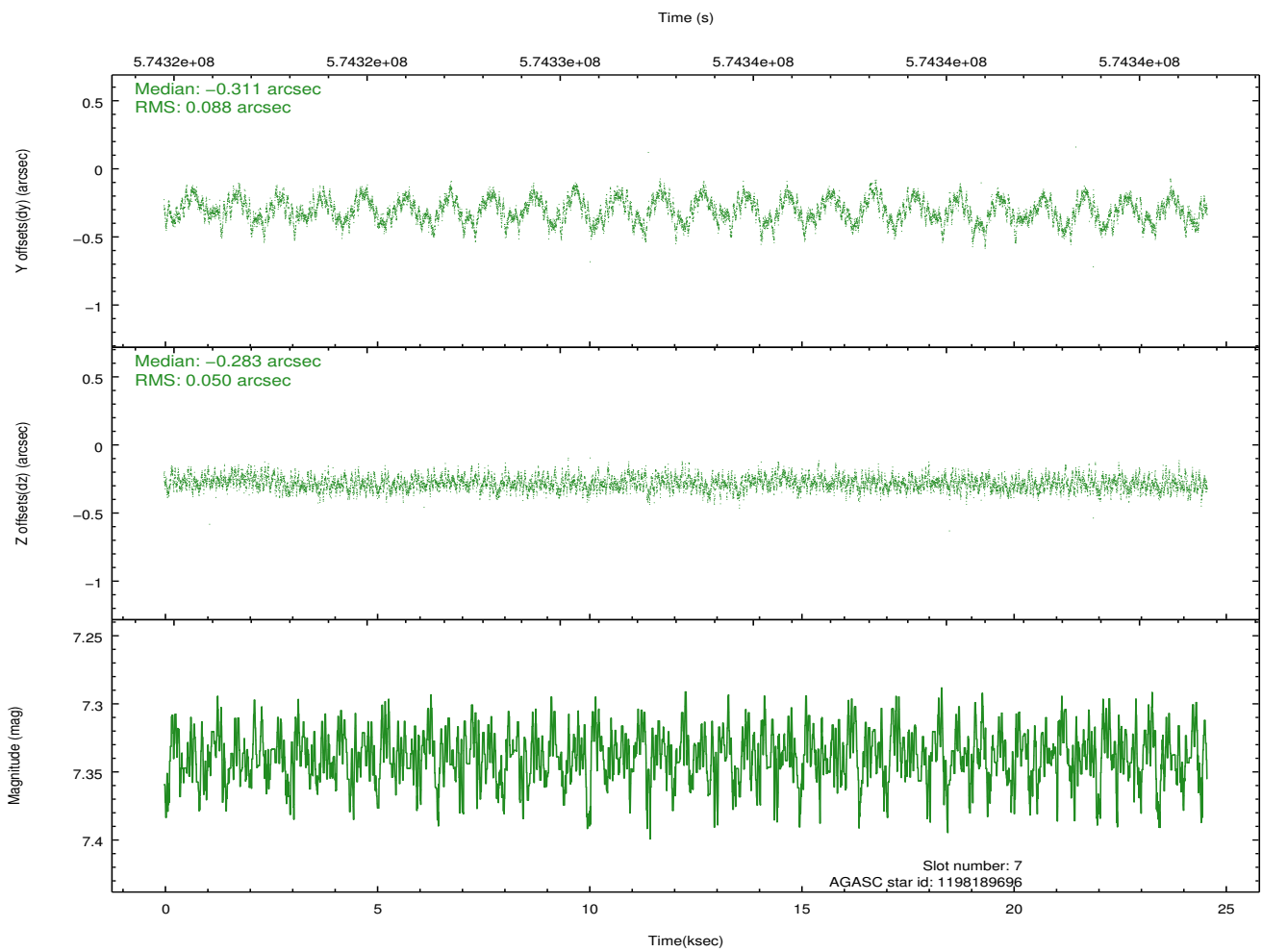
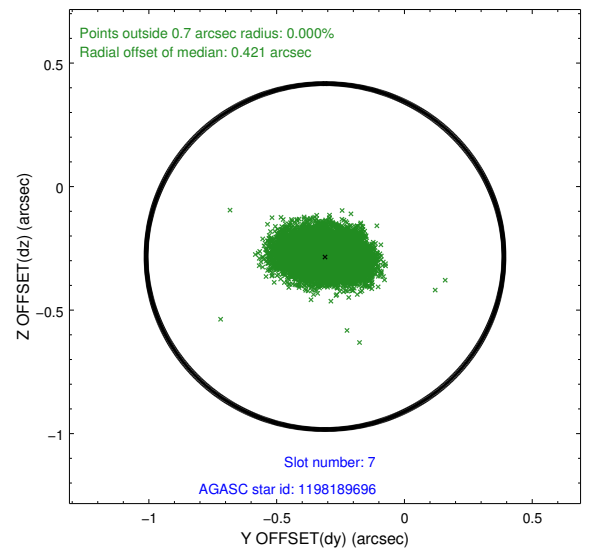
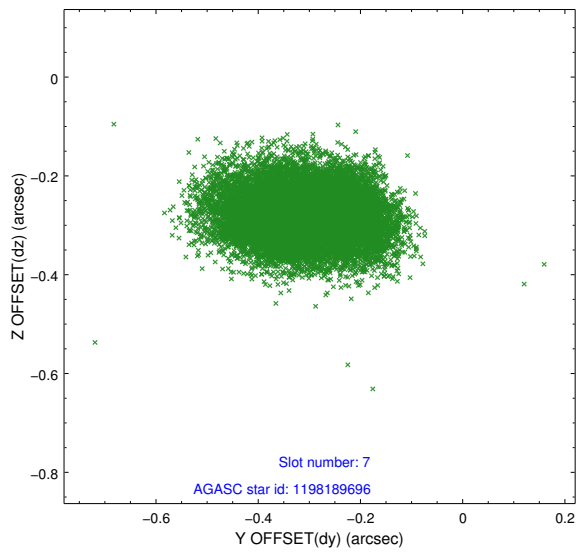
2.4.3 Slot 5



2.4.4 Slot 6

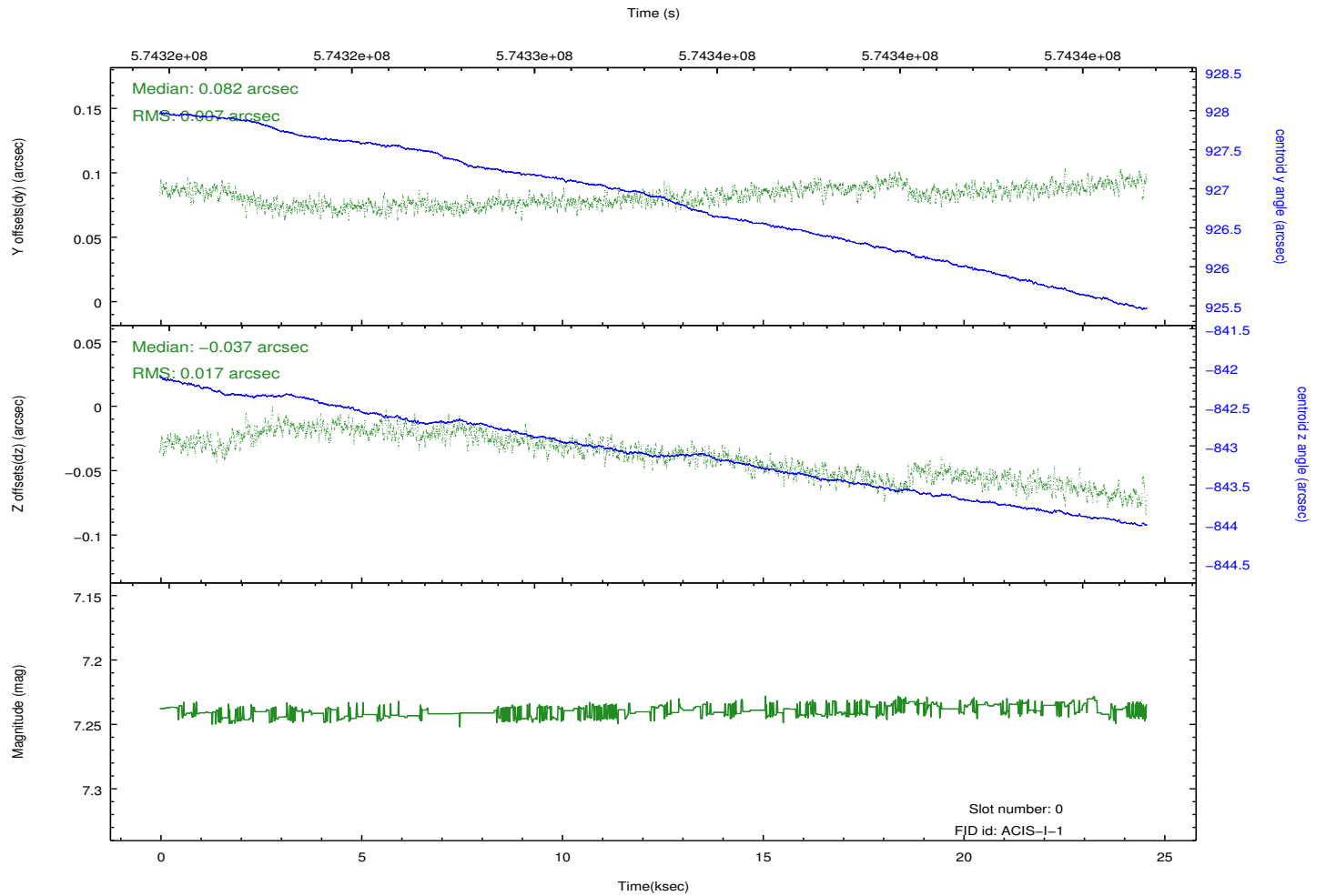
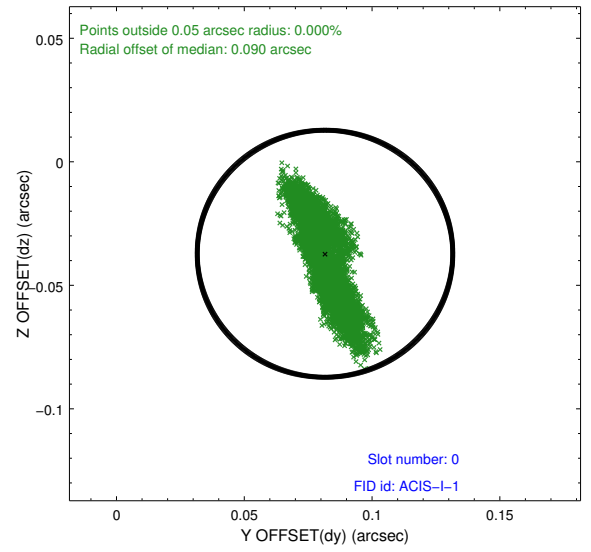
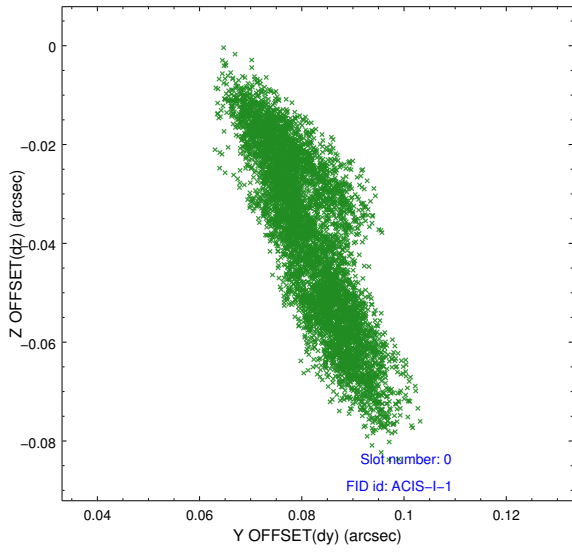


2.4.5 Slot 7

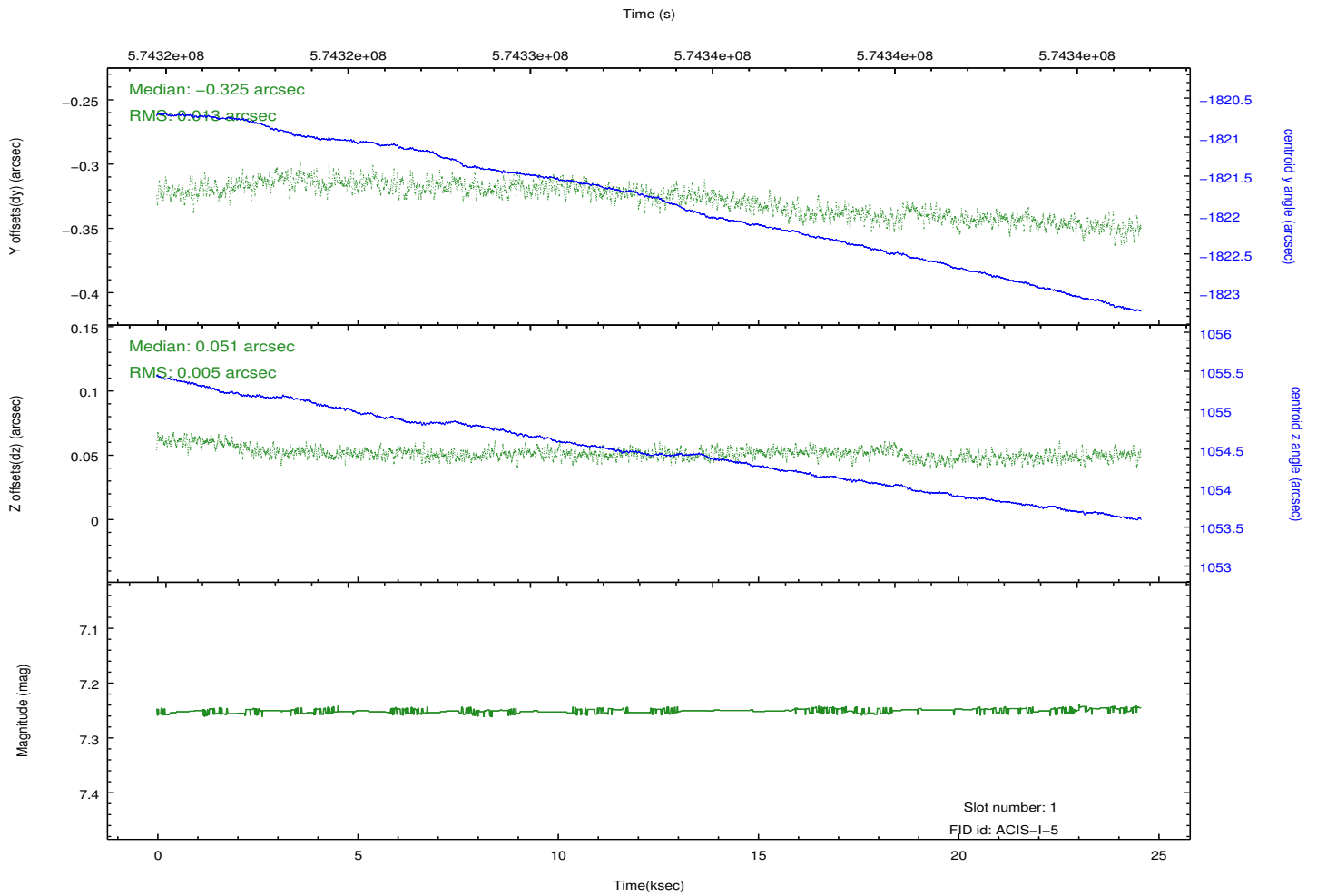
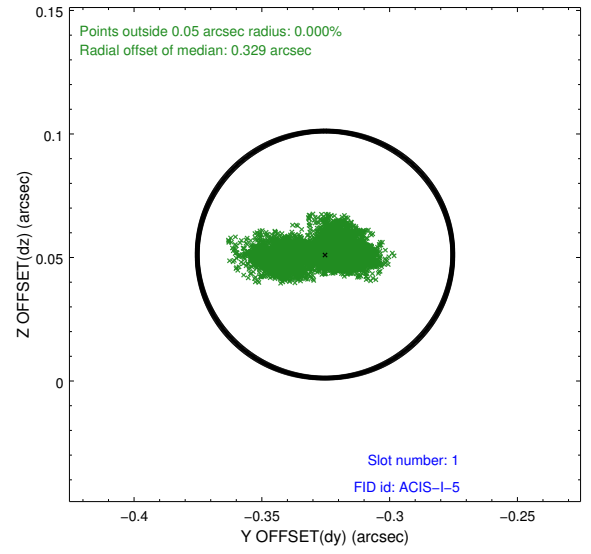
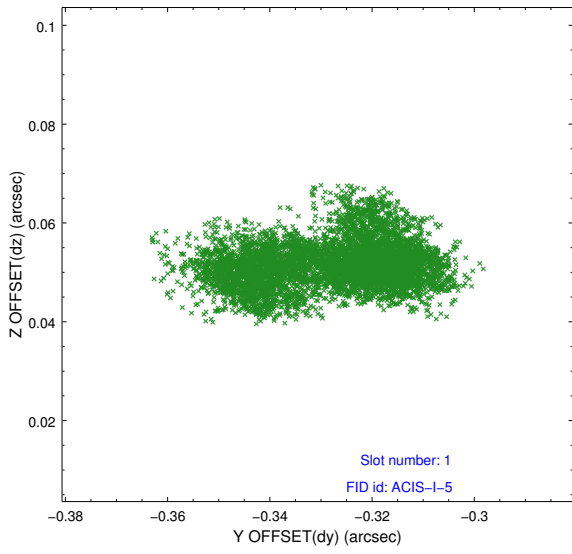


2.5 FID Slots

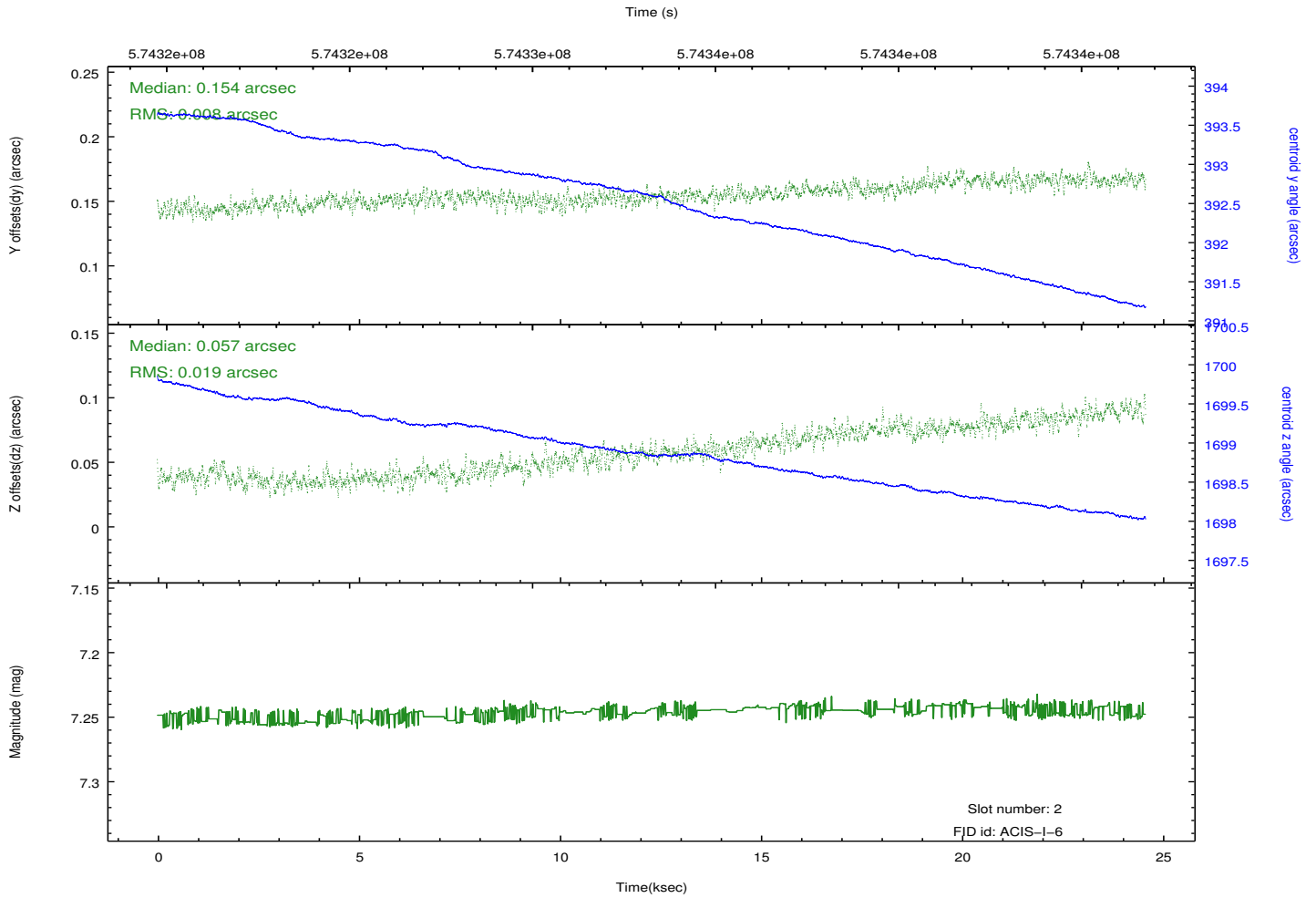
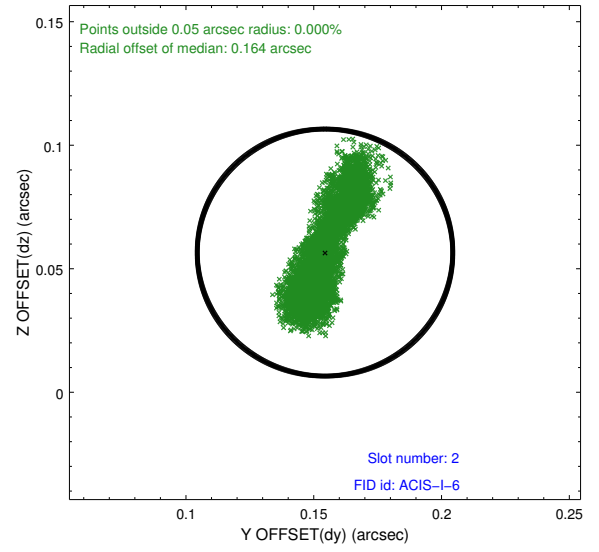
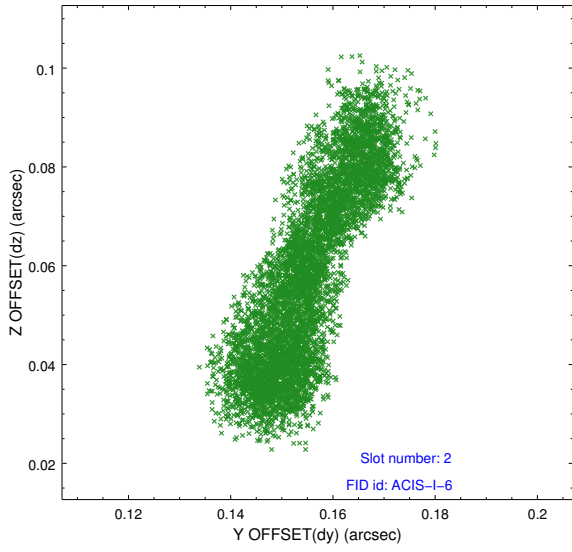
2.5.1 Slot 0



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)	2016.03.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.059116535187

A.2 Comments