

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18419 - L2 Version 1
Chandra X-Ray Center

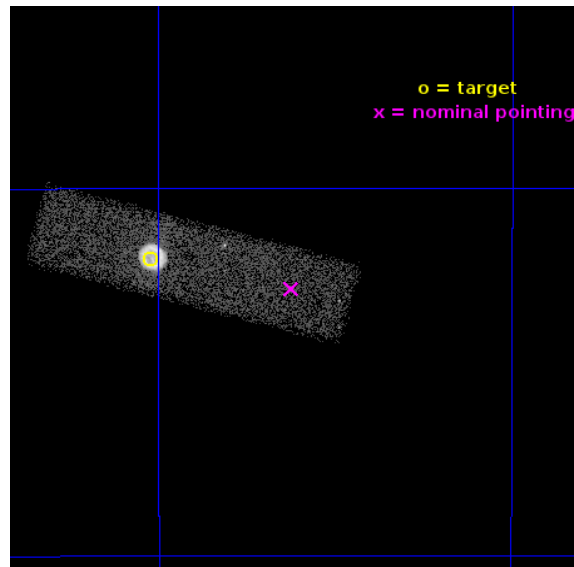
L2 Processing Date : Mar 22 2016

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1 Front

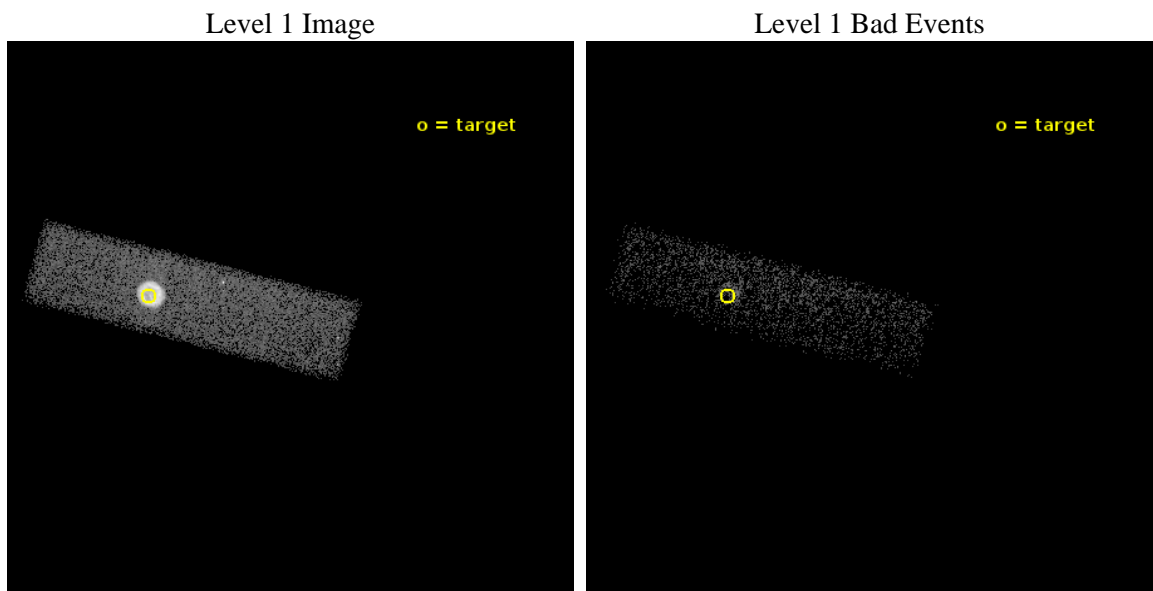
seq_num	590549	Sequence number
obs_id	18419	Observation id
title	AO-17 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72 S3,-120,1,0,0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.811631402862	Nominal RA [deg]
dec_nom	-72.045793604383	Nominal Dec [deg]
roll_nom	194.96791562284	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20063.086118102	Sum of GTIs [s]
livetime	19084.07316475	Livetime [s]
ontime7	20063.086118102	Sum of GTIs [s]
l2events	63991	Number of level 2 events



2 OBI

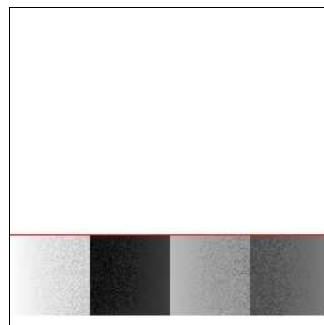
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	20063.086118102	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	20063.086118102	Sum of GTIs [s]
date	2016-03-23T02:01:40	Date and time of file creation	l1events	80121	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	80121
rejected events	15688
rejected %	19%

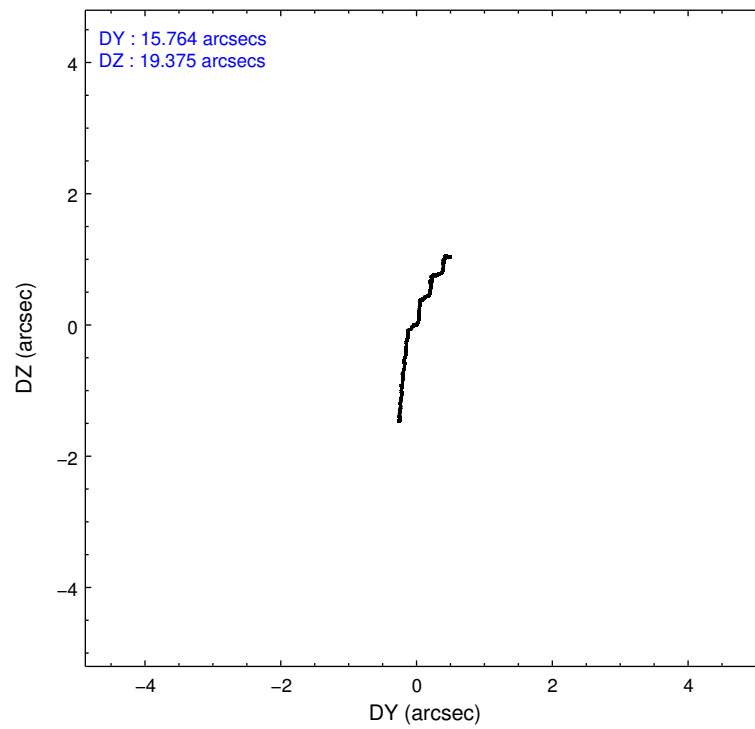
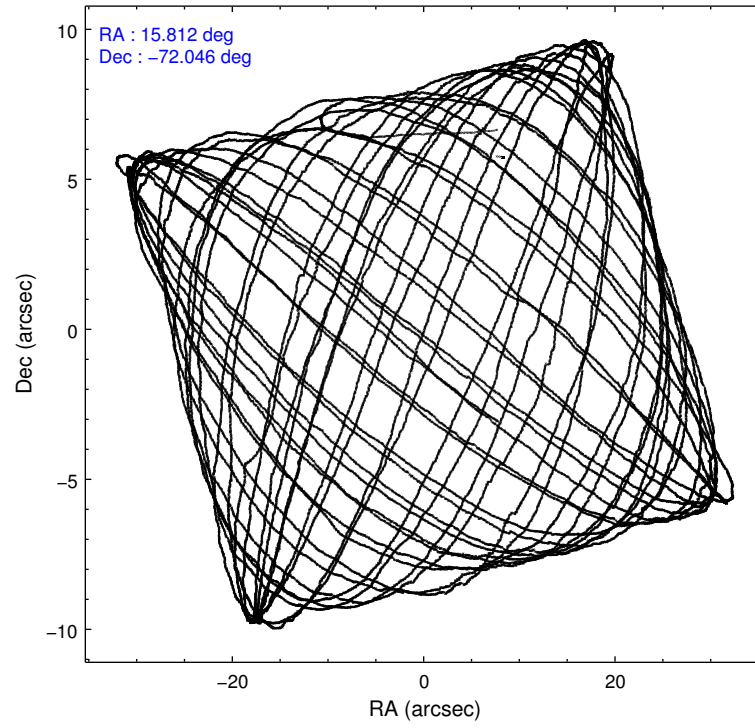
	ccd 7
grade 0 events	16822
	20%
grade 1 events	63
	0%
grade 2 events	16498
	20%
grade 3 events	7686
	9%
grade 4 events	7596
	9%
grade 5 events	3533
	4%
grade 6 events	15837
	19%
grade 7 events	12086
	15%

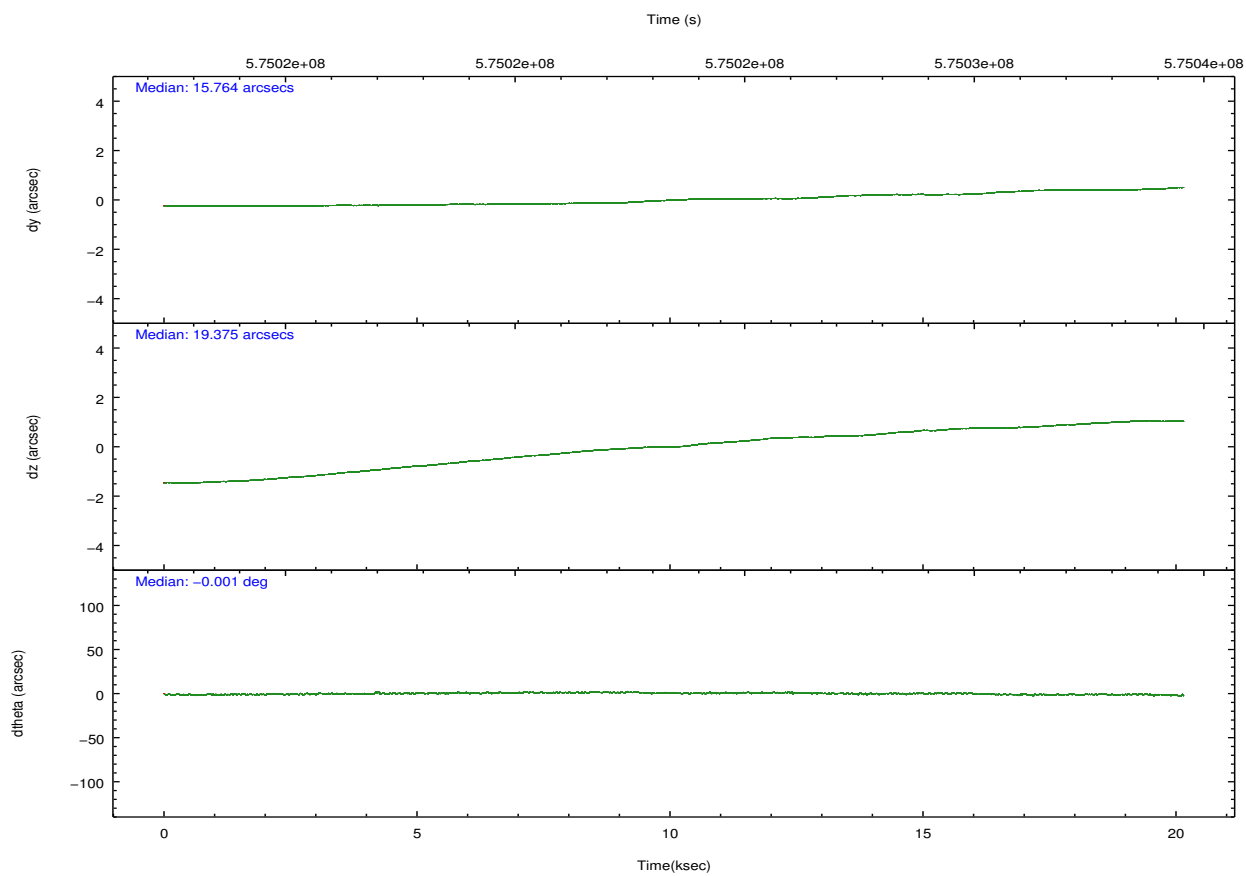
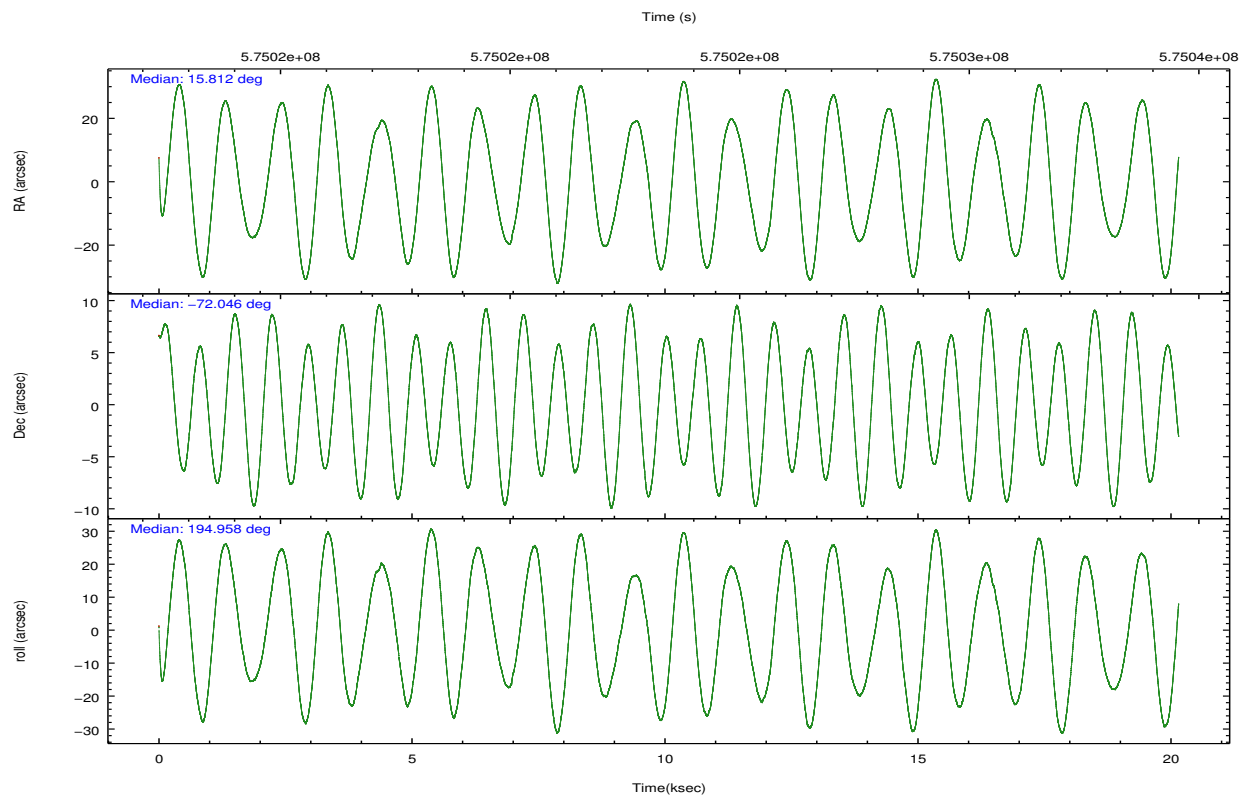
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	15.873741	15.81163140286163
[deg] Pointing Dec	-72.026140	-72.04579360438251
[deg] Pointing Roll	194.870376	194.9679156228365
[s] Window start time (MET)	570672068.184000	570672068.184000
[s] Window stop time (MET)	575769668.184000	575769668.184000
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-182.432523	-182.4387182811936
[mm] SIM translation stage offset	-7.7	-7.693804301814197
[s] Observation start time (MET)	575013529.184000	575012508.2622499
Observation start date	2016-03-22T05:57:41	2016-03-22T05:41:48
[s] Observation end time (MET)	575033529.184000	575034401.2385
Observation end date	2016-03-22T11:31:01	2016-03-22T11:46:41
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	42	42
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



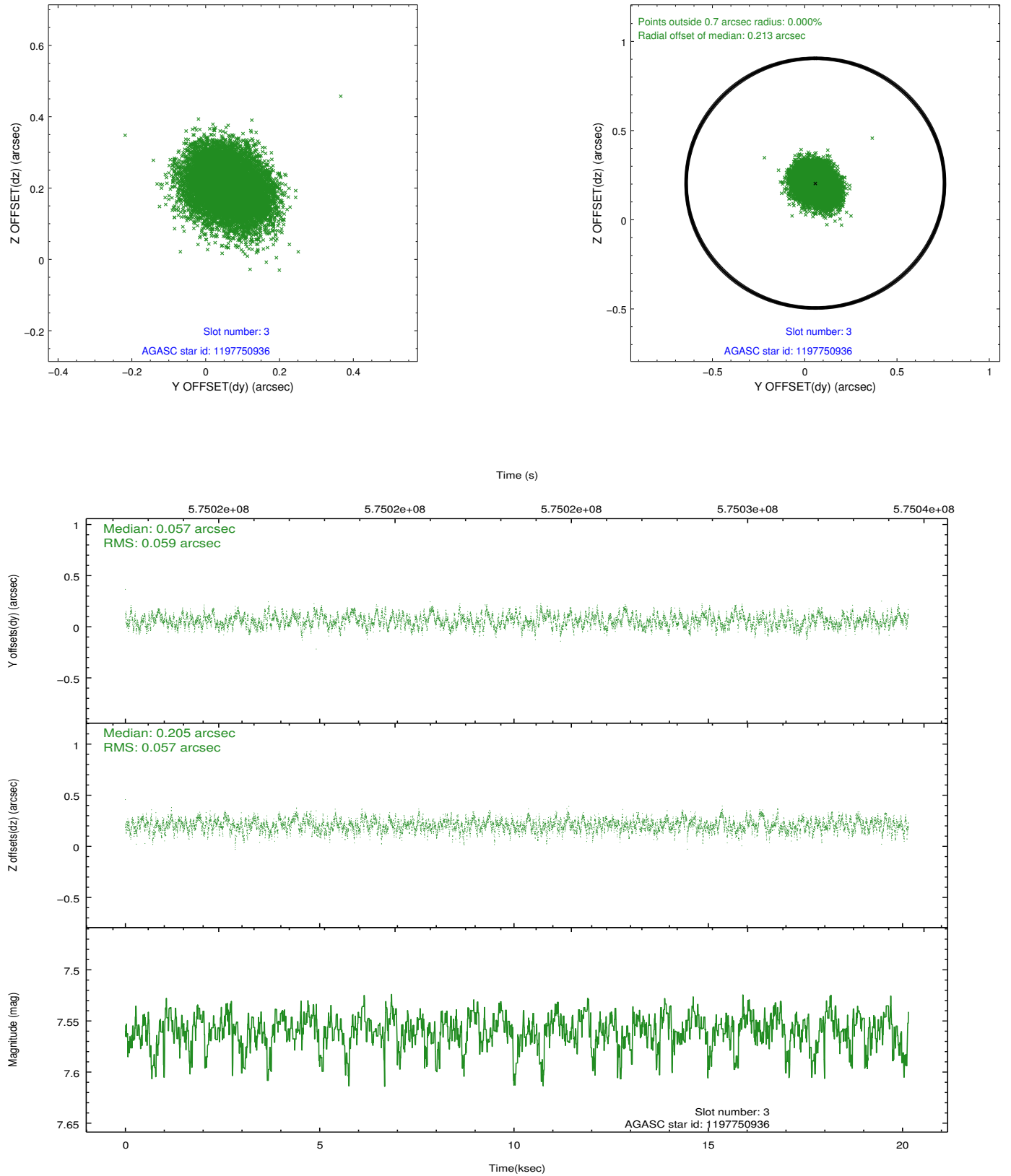


Slot Statistics

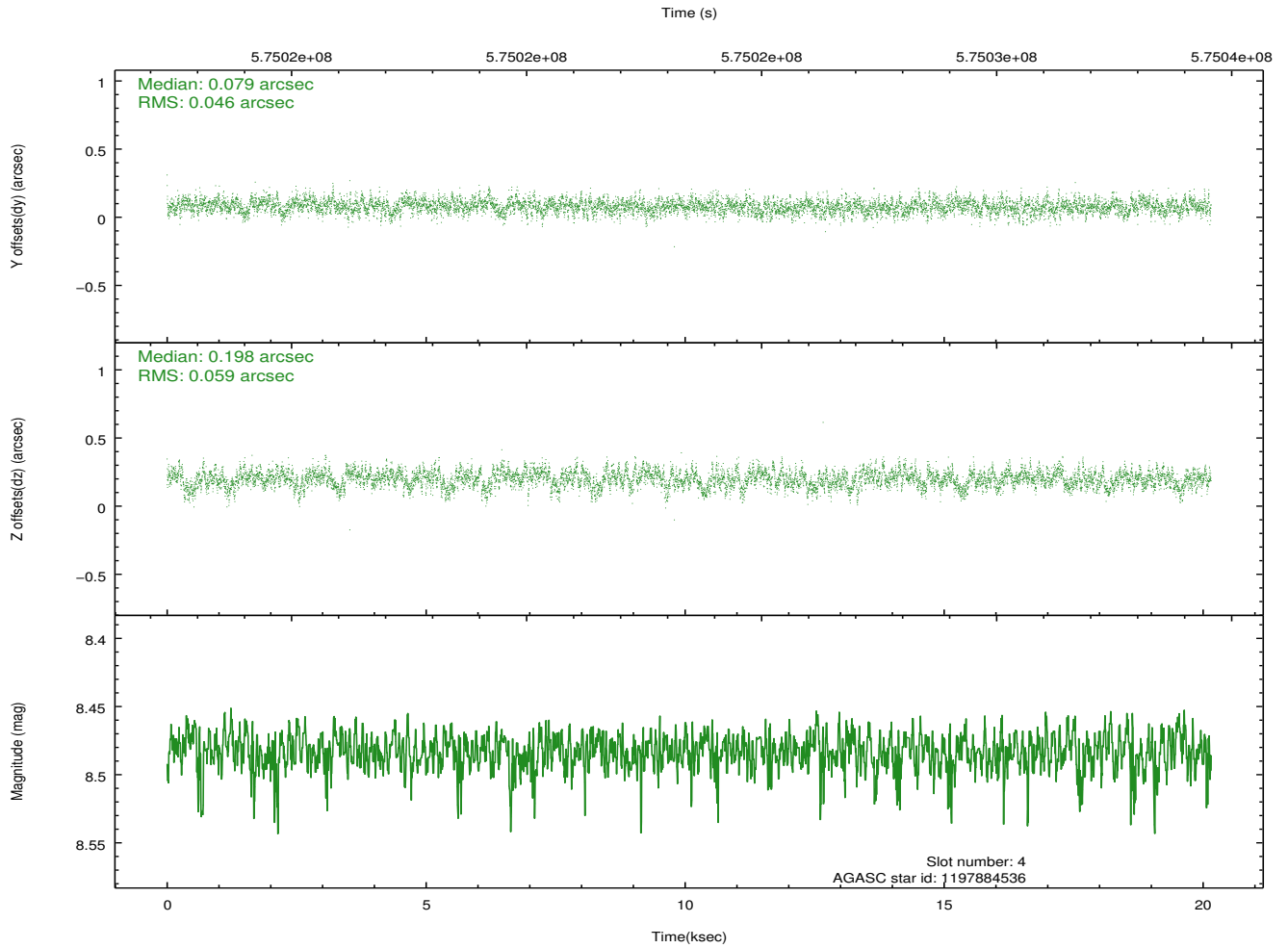
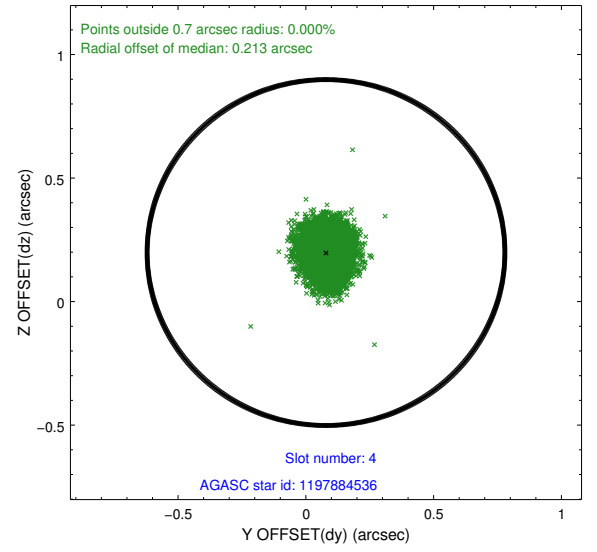
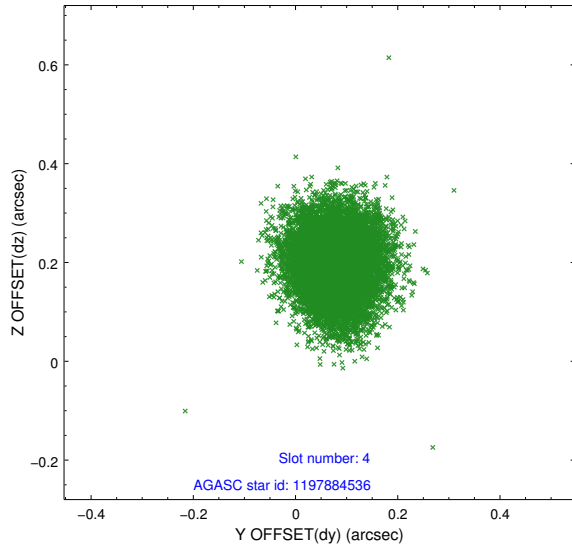
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.09	4916	-0.346	-0.240	0.023	0.043	0.000000	0.000000	-768.66	-1899.51
1	FID		ACIS-S-4	7.19	4916	0.340	0.208	0.012	0.018	0.000000	0.000000	2145.30	9.05
2	FID		ACIS-S-6	7.42	4913	-0.021	0.038	0.030	0.051	0.000000	0.000000	394.00	646.58
3	GUIDE	used	1197750936	7.56	9827	0.057	0.205	0.090	0.138	15.387940	-71.549550	96.12	-1797.00
4	GUIDE	used	1197884536	8.48	9830	0.079	0.198	0.080	0.131	17.160729	-71.835289	-1567.60	-278.55
5	GUIDE	used	1197884712	8.30	9826	0.084	-0.107	0.086	0.136	16.087398	-72.252690	-16.95	849.03
6	GUIDE	used	1197885328	7.23	9830	0.220	0.257	0.102	0.170	16.283090	-71.733943	-716.89	-896.50
7	GUIDE	used	1198189696	7.33	9828	-0.432	-0.558	0.089	0.134	15.223750	-72.697522	1293.33	2161.16

2.4 Star Slots

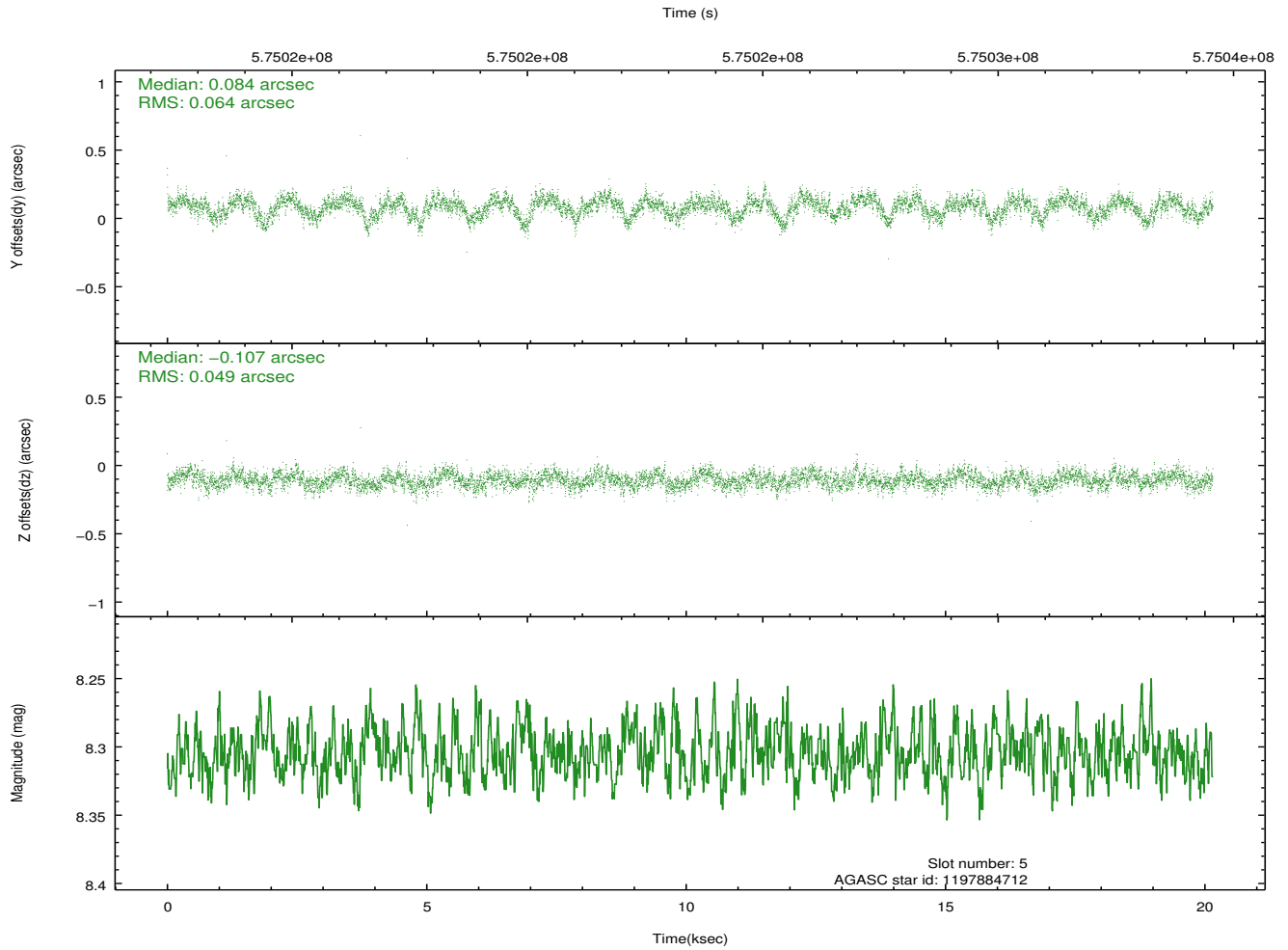
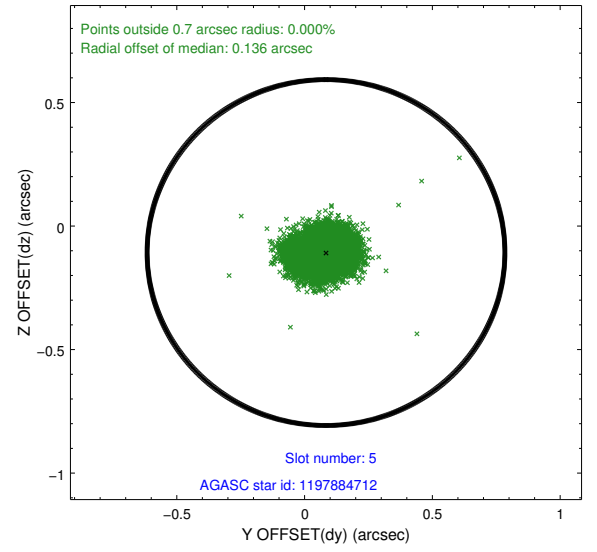
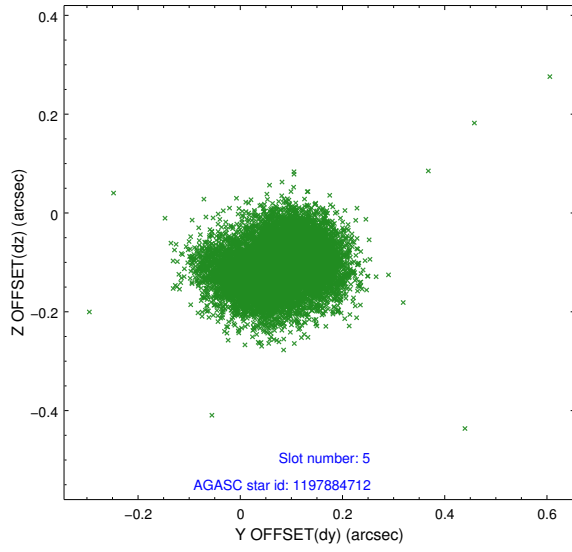
2.4.1 Slot 3



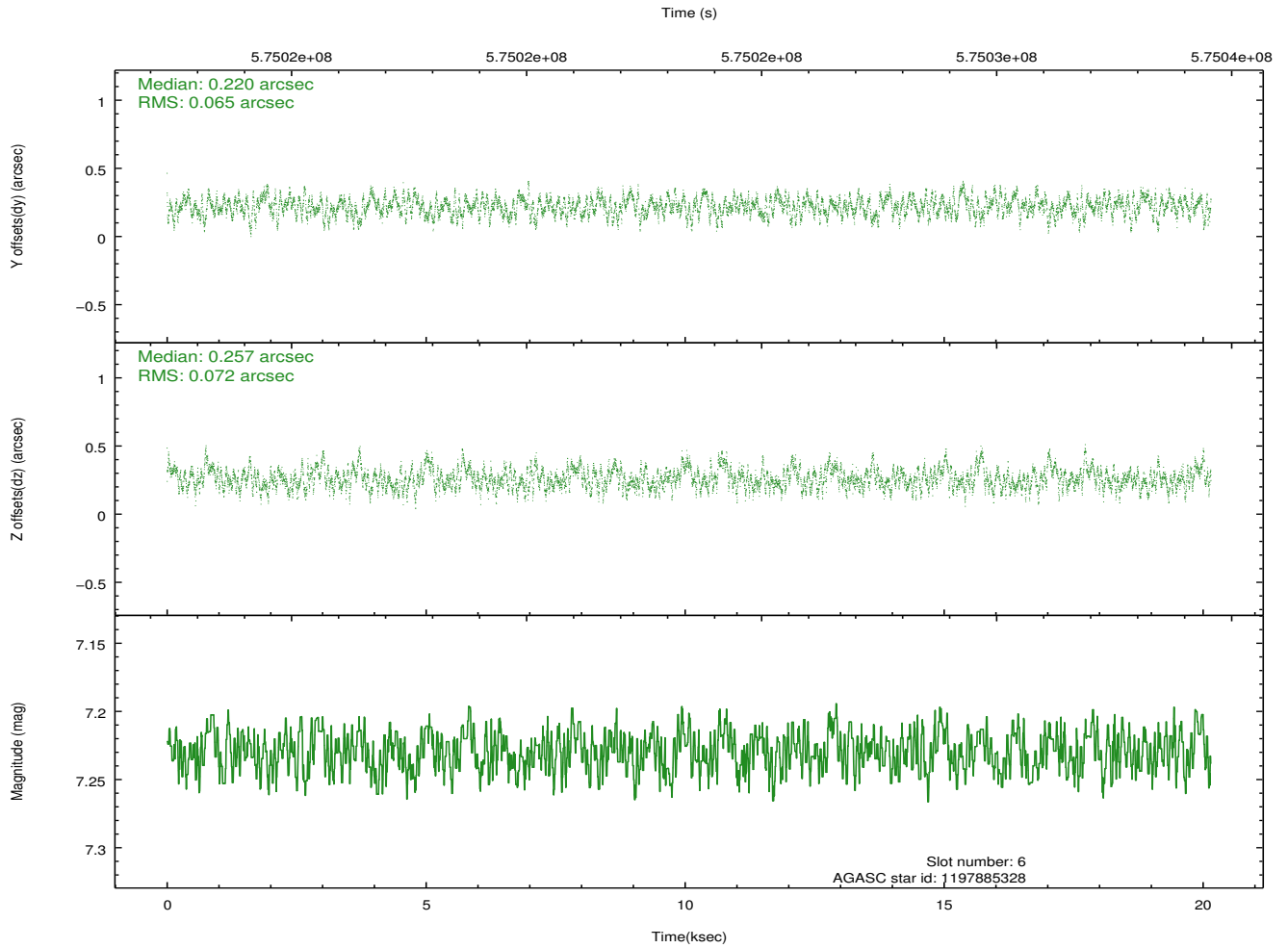
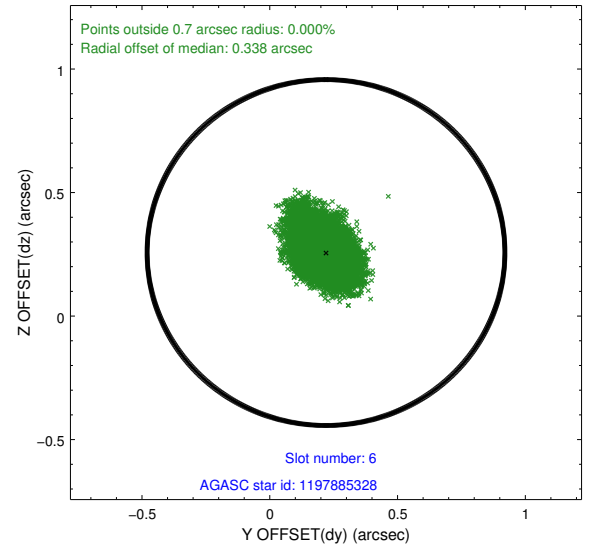
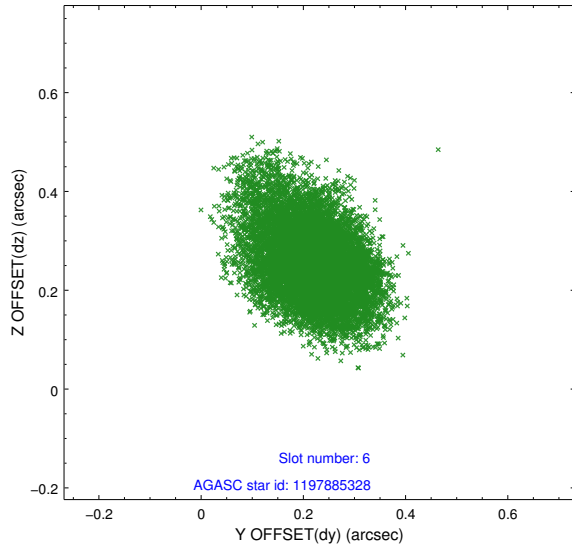
2.4.2 Slot 4



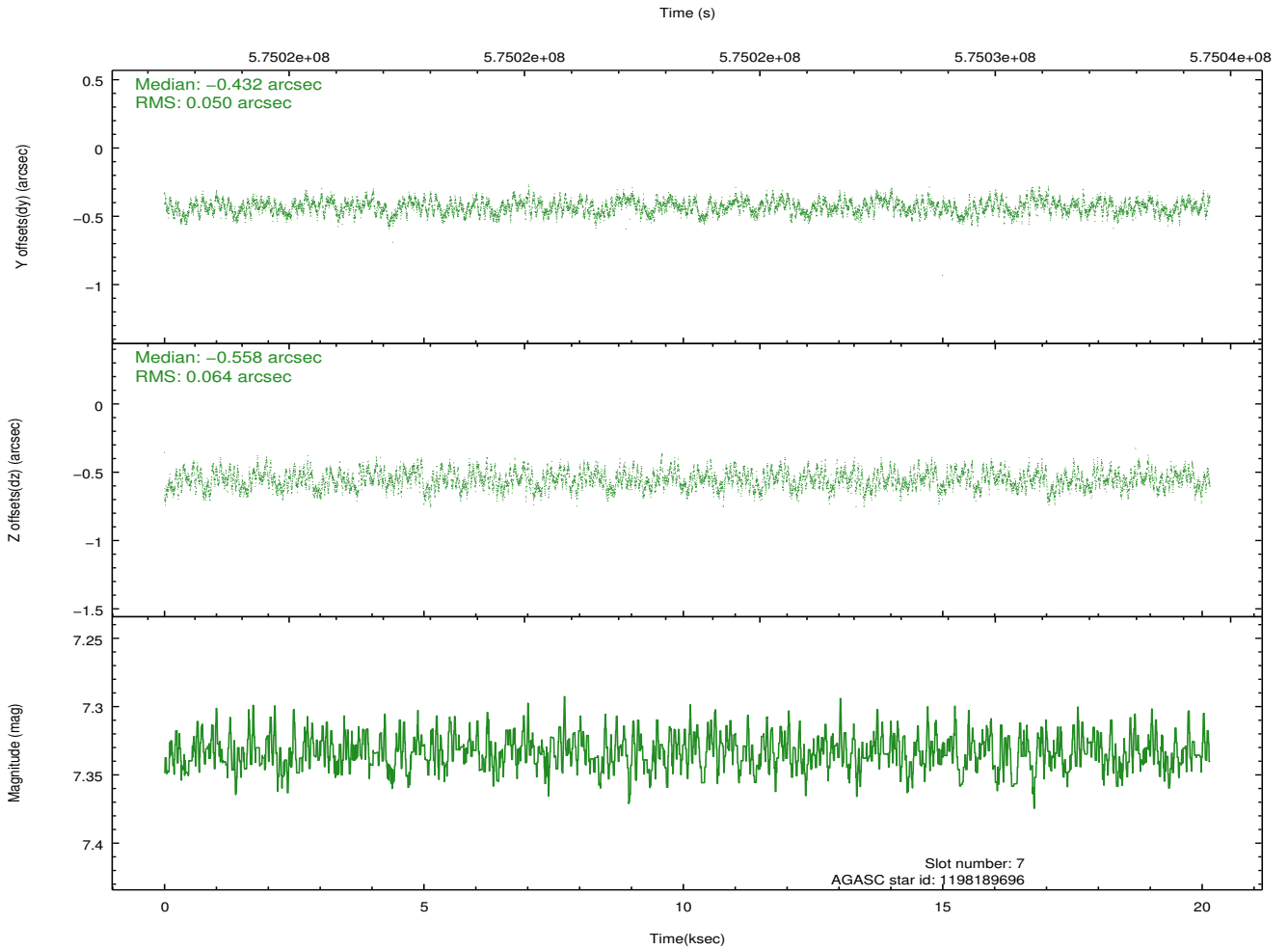
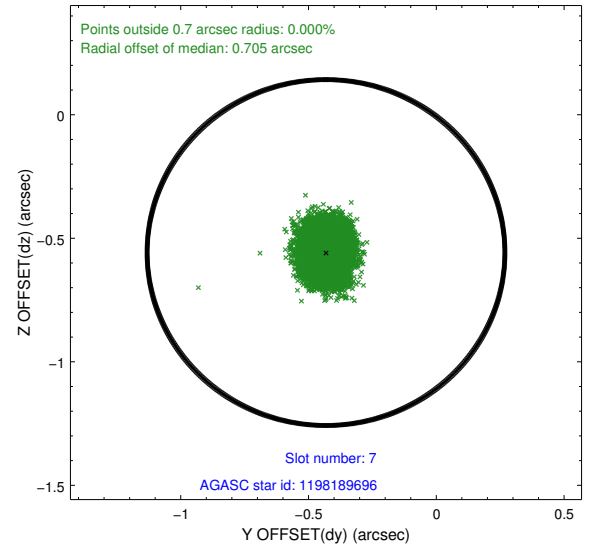
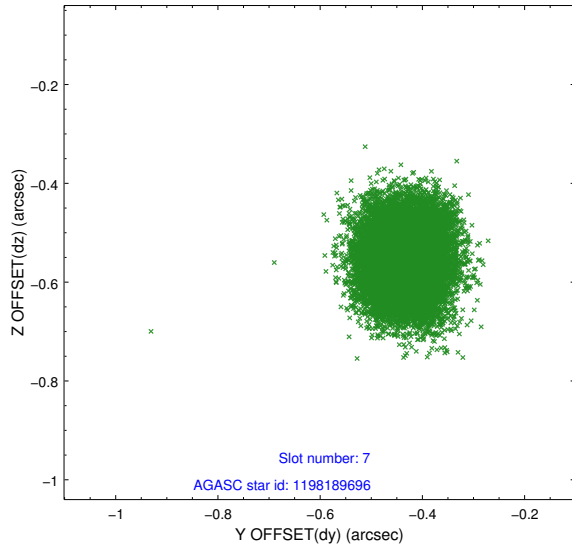
2.4.3 Slot 5



2.4.4 Slot 6

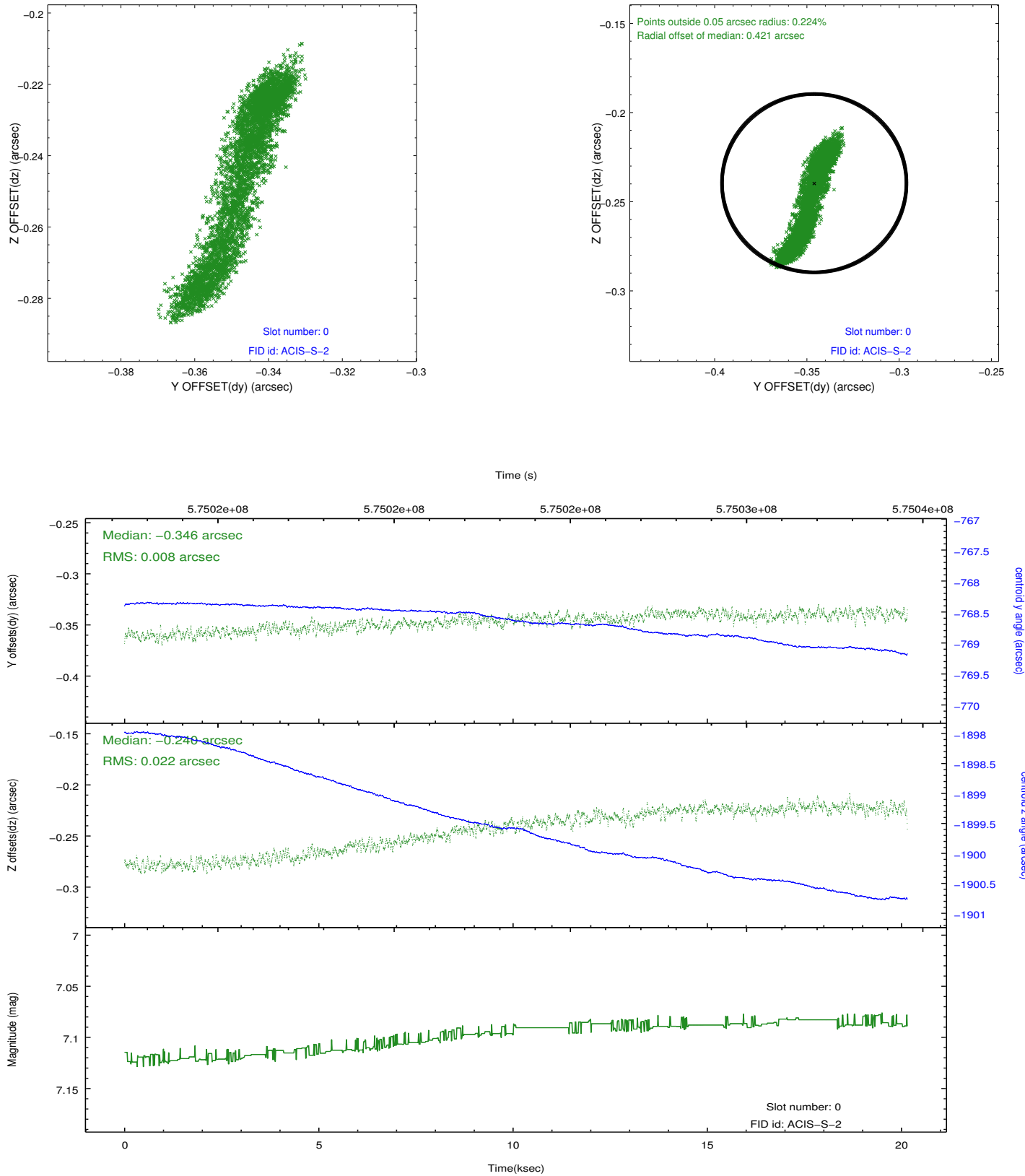


2.4.5 Slot 7

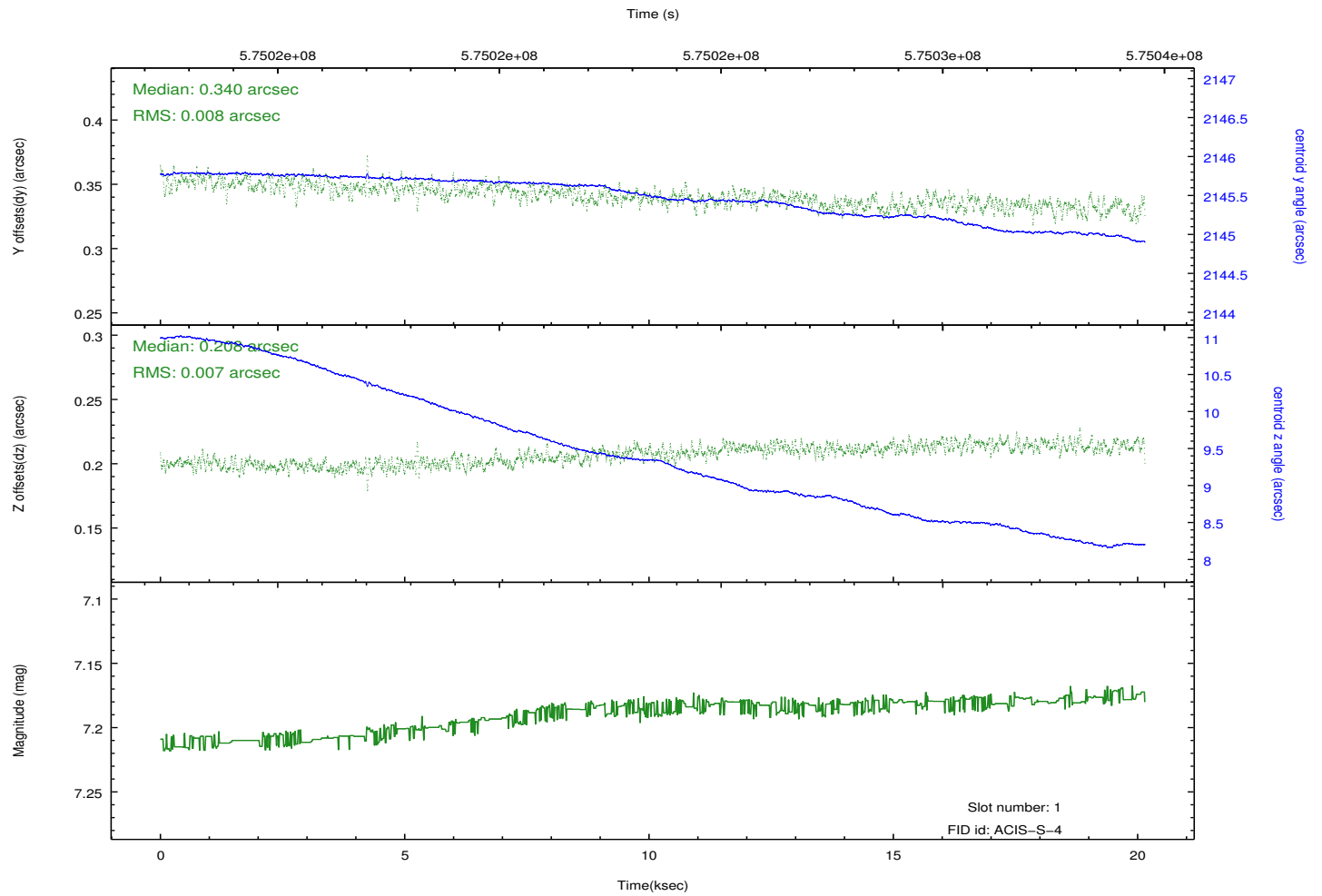
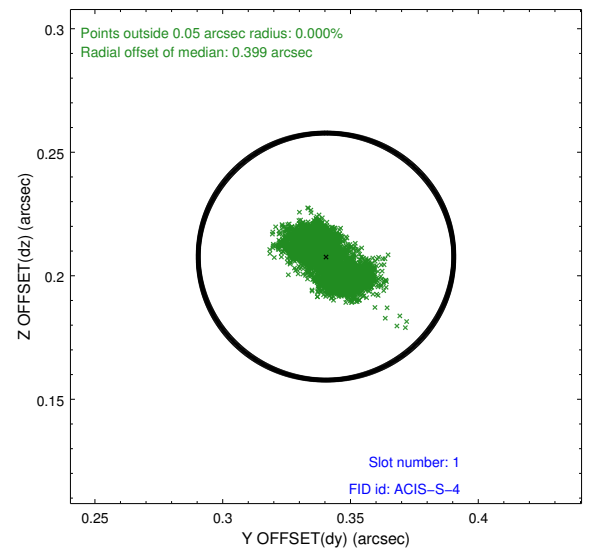
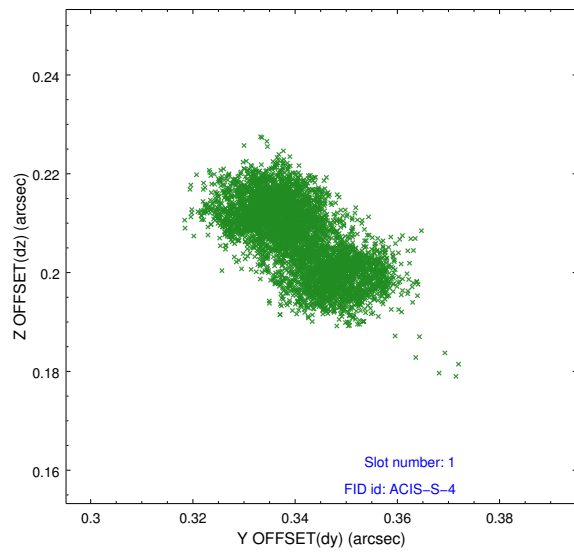


2.5 FID Slots

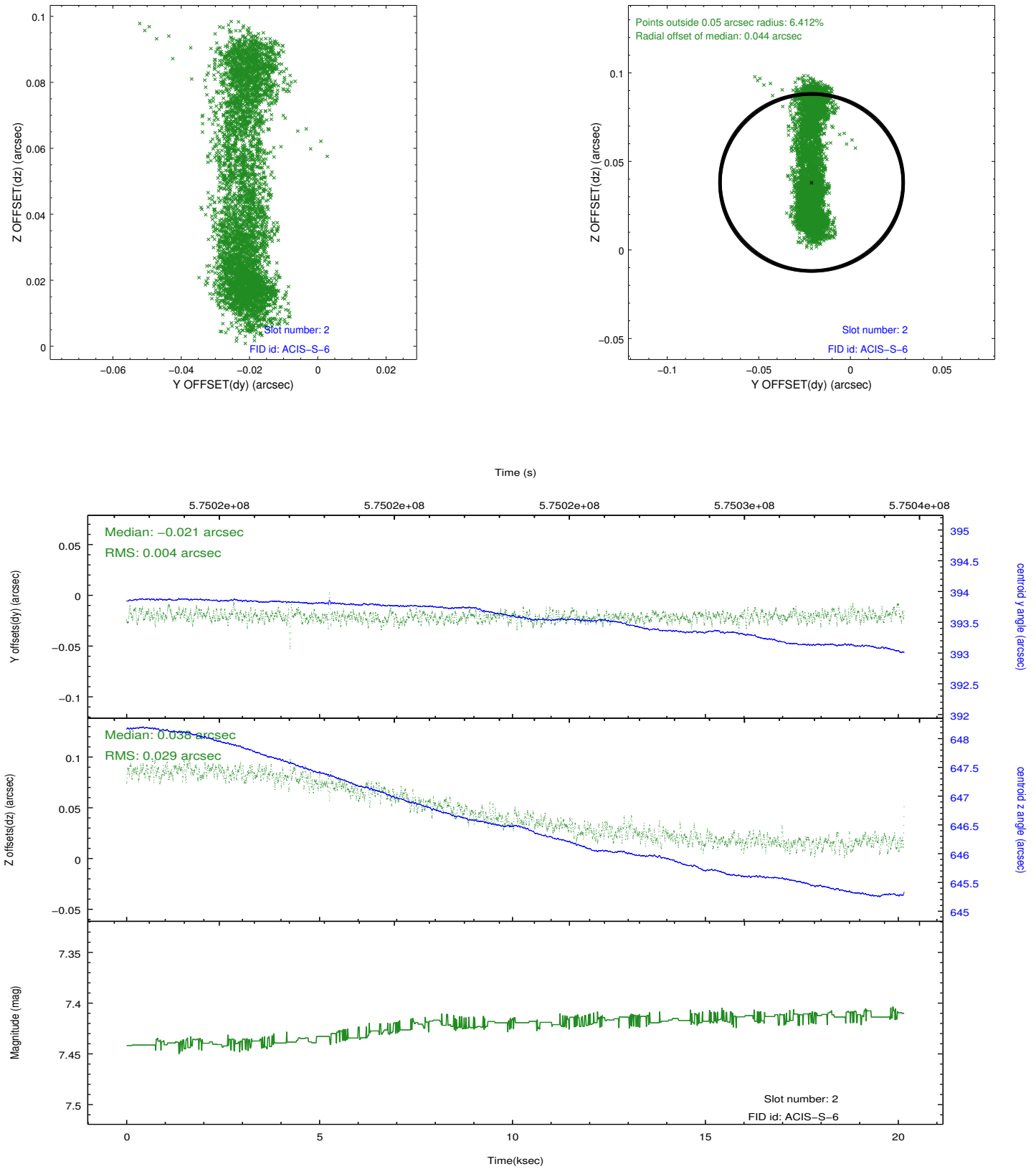
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.063086118102

A.2 Comments