

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18885 - L2 Version 1
Chandra X-Ray Center

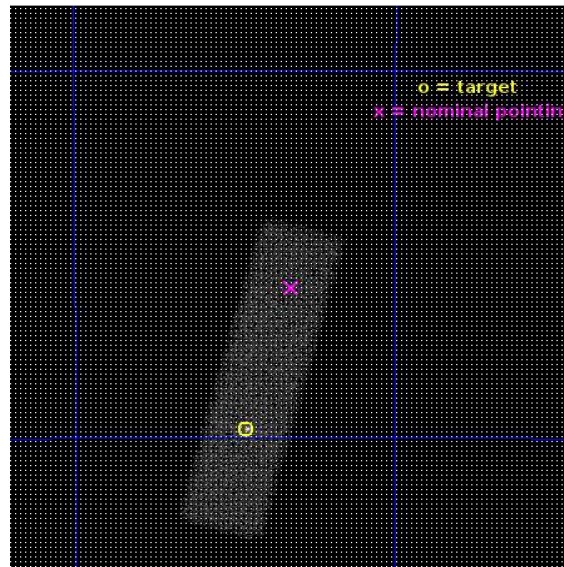
L2 Processing Date : Jul 6 2016

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1 Front

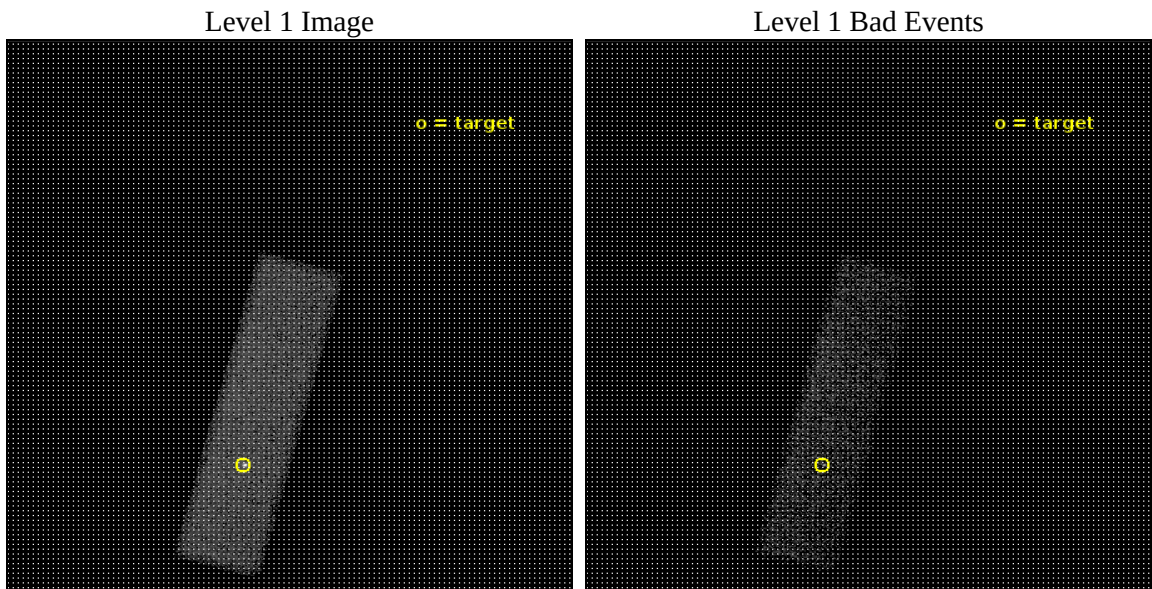
seq_num	401819	Sequence number
obs_id	18885	Observation id
title	Measuring the spin period of XMMU J004855.5-734946 during a large outburst	Proposal title
observer	Georgios Vasilopoulos	Principal investigator
object	XMMU J004855.5-734946	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.231667	Observer's specified target RA [deg]
dec_targ	-73.829444	Observer's specified target Dec [deg]
ra_nom	12.161052895295	Nominal RA [deg]
dec_nom	-73.765339780722	Nominal Dec [deg]
roll_nom	105.088793974	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25535.198477983	Sum of GTIs [s]
livetime	24289.164346983	Livetime [s]
ontime7	25535.198477983	Sum of GTIs [s]
l2events	34215	Number of level 2 events



2 OBI

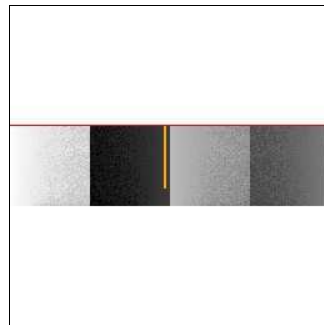
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25476.057000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	25535.198477983	Sum of GTIs [s]
caldbver	4.7.2	 	ontime7	25535.198477983	Sum of GTIs [s]
date	2016-07-07T01:39:00	Date and time of file creation	l1events	64578	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

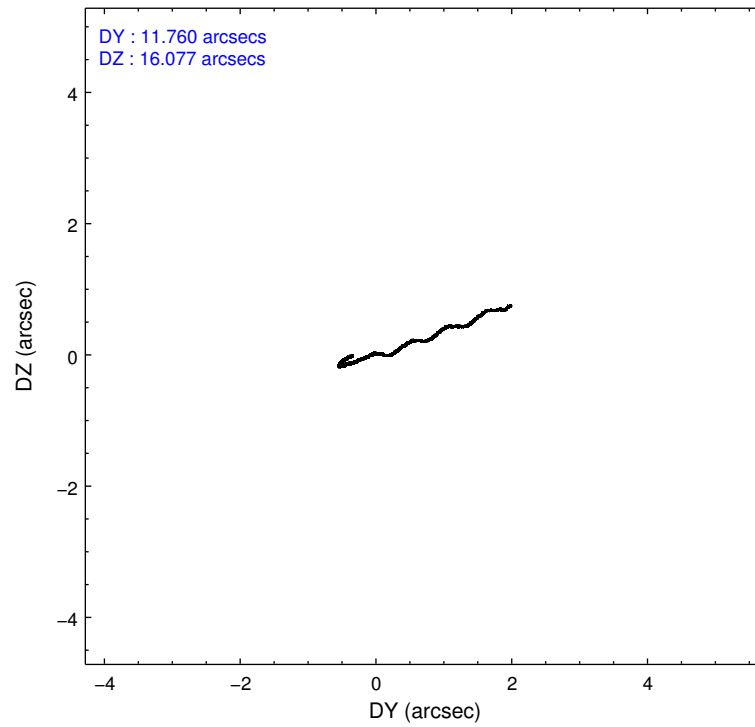
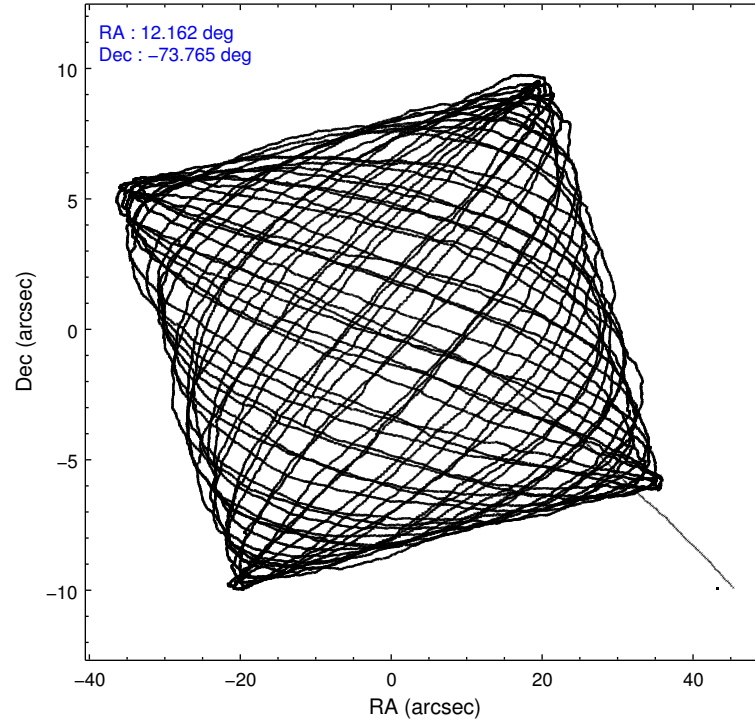
	ccd 7
level 1 events	64578
rejected events	29460
rejected %	45%

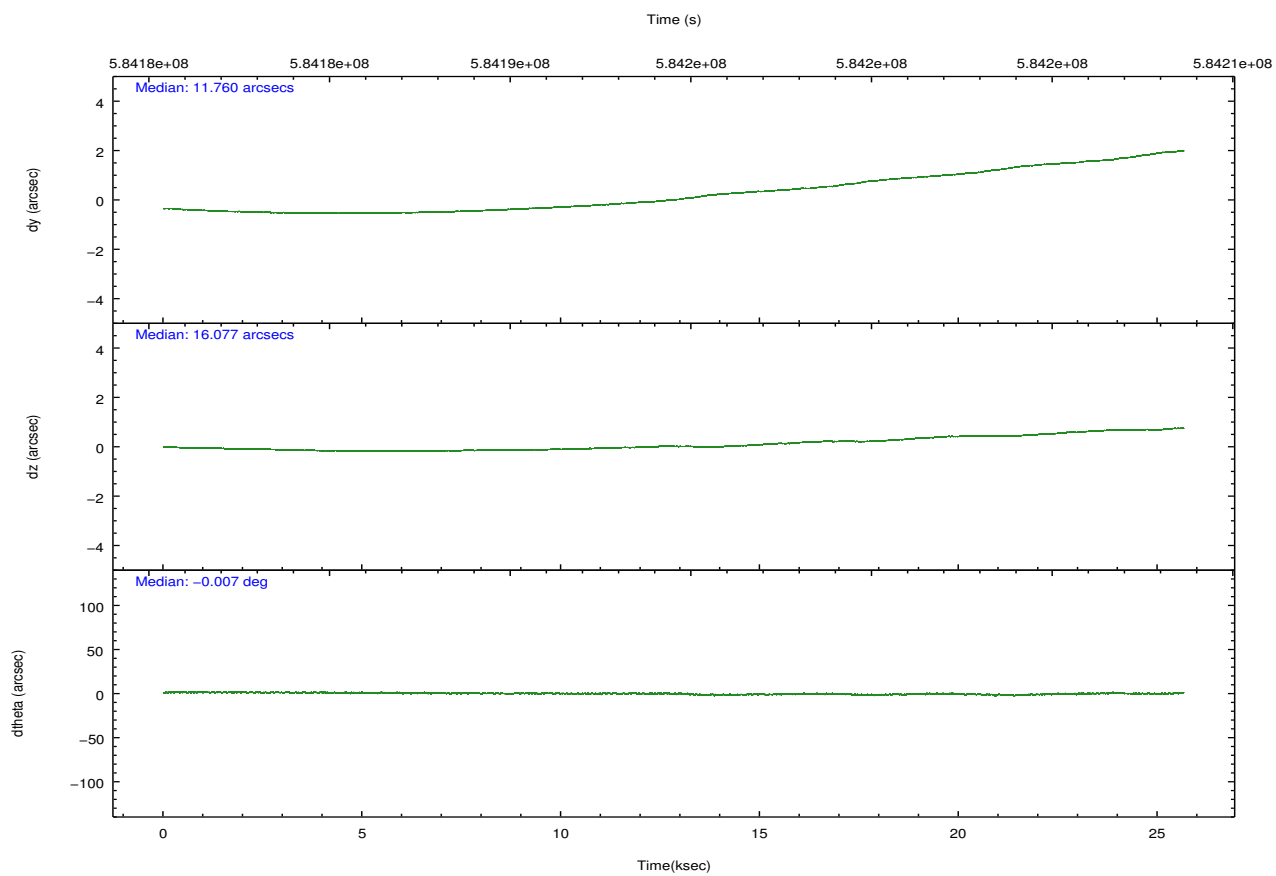
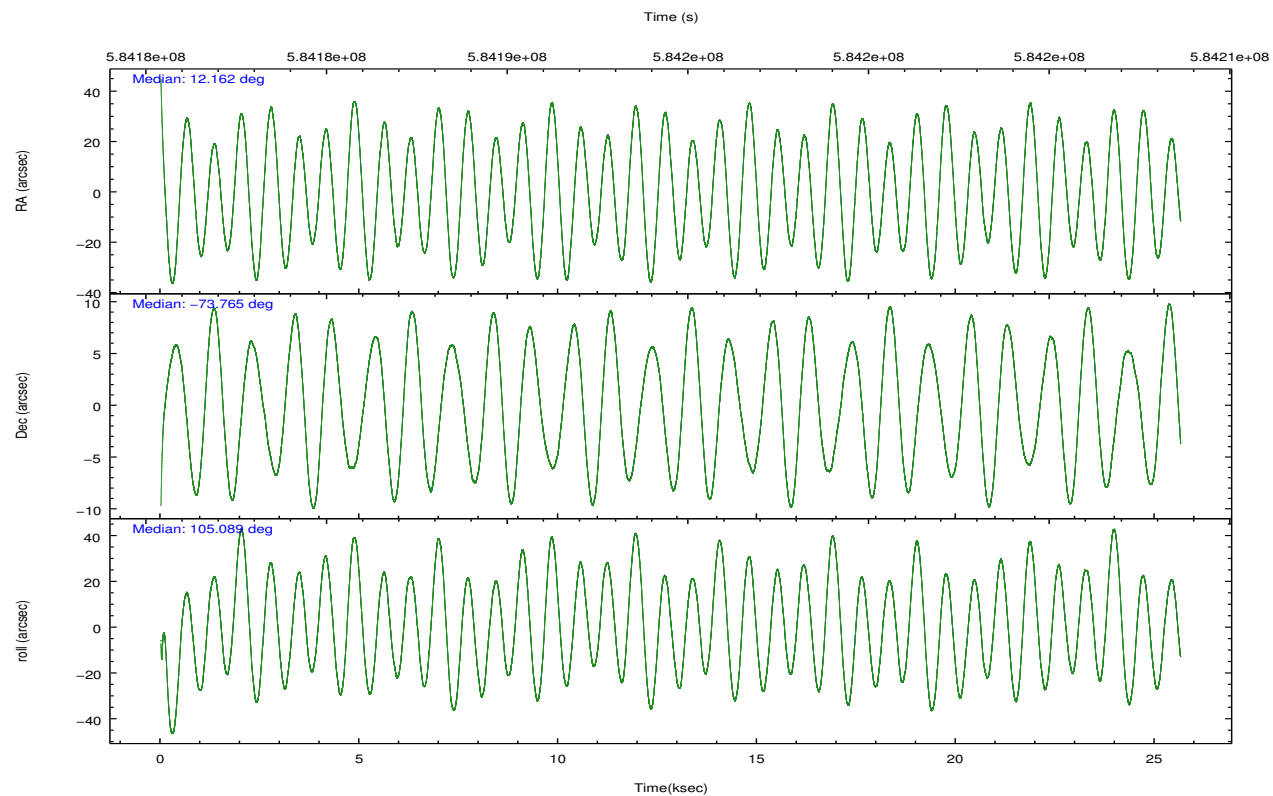
	ccd 7
grade 0 events	4840
	7%
grade 1 events	134
	0%
grade 2 events	7480
	11%
grade 3 events	3754
	5%
grade 4 events	3739
	5%
grade 5 events	5826
	9%
grade 6 events	15306
	23%
grade 7 events	23499
	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	12.231581	12.16105289529457	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-73.784457	-73.76533978072162	Subarray start row	385	385
[deg] Pointing Roll	104.999913	105.0887939740037	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	584181890.184000	584180696.62424			
Observation start date	2016-07-06T08:43:42	2016-07-06T08:24:56			
[s] Observation end time (MET)	584207367.184000	584207586.47579			
Observation end date	2016-07-06T15:48:19	2016-07-06T15:53:06			
Read mode	TIMED	TIMED			

2.3 Aspect



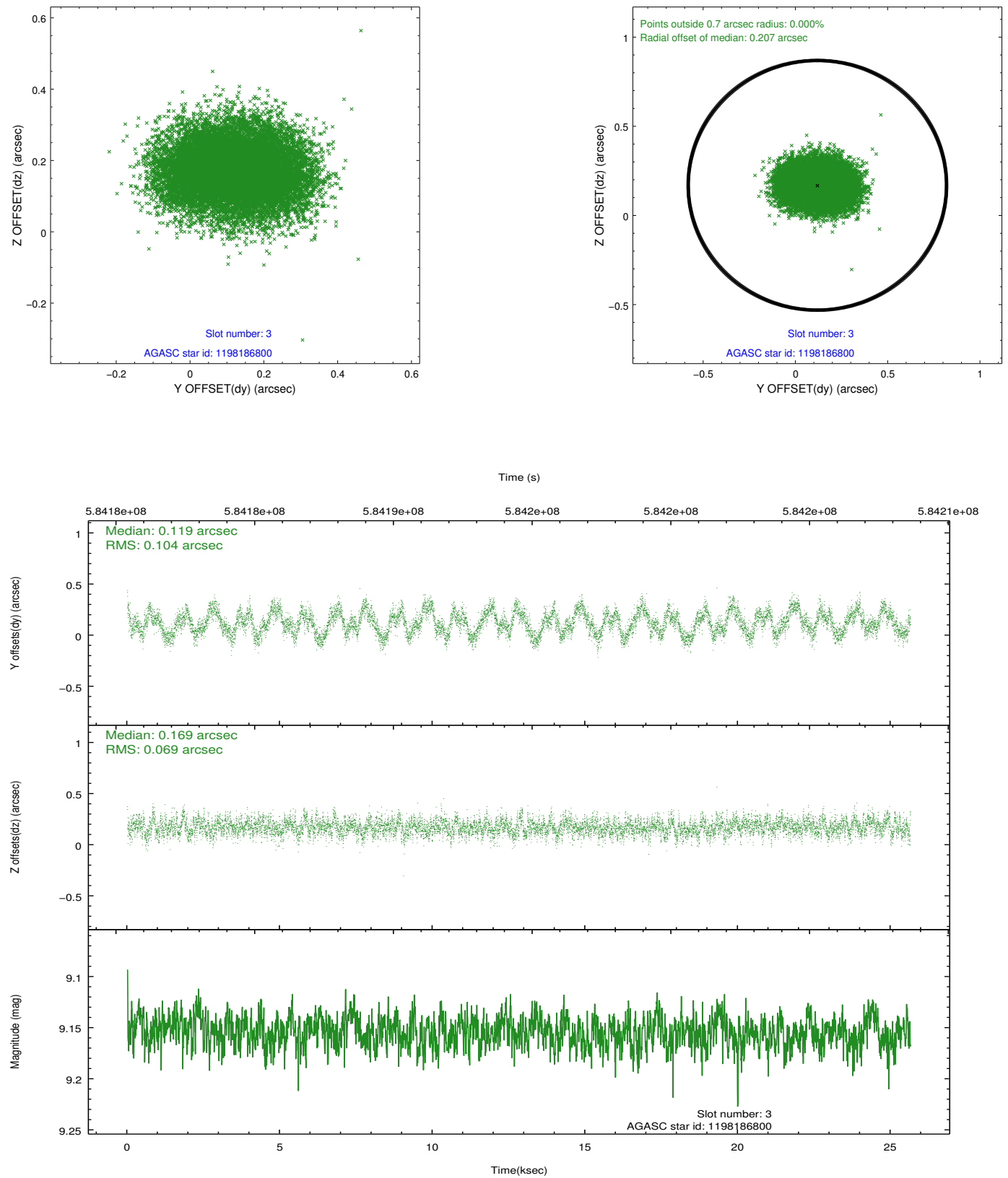


Slot Statistics

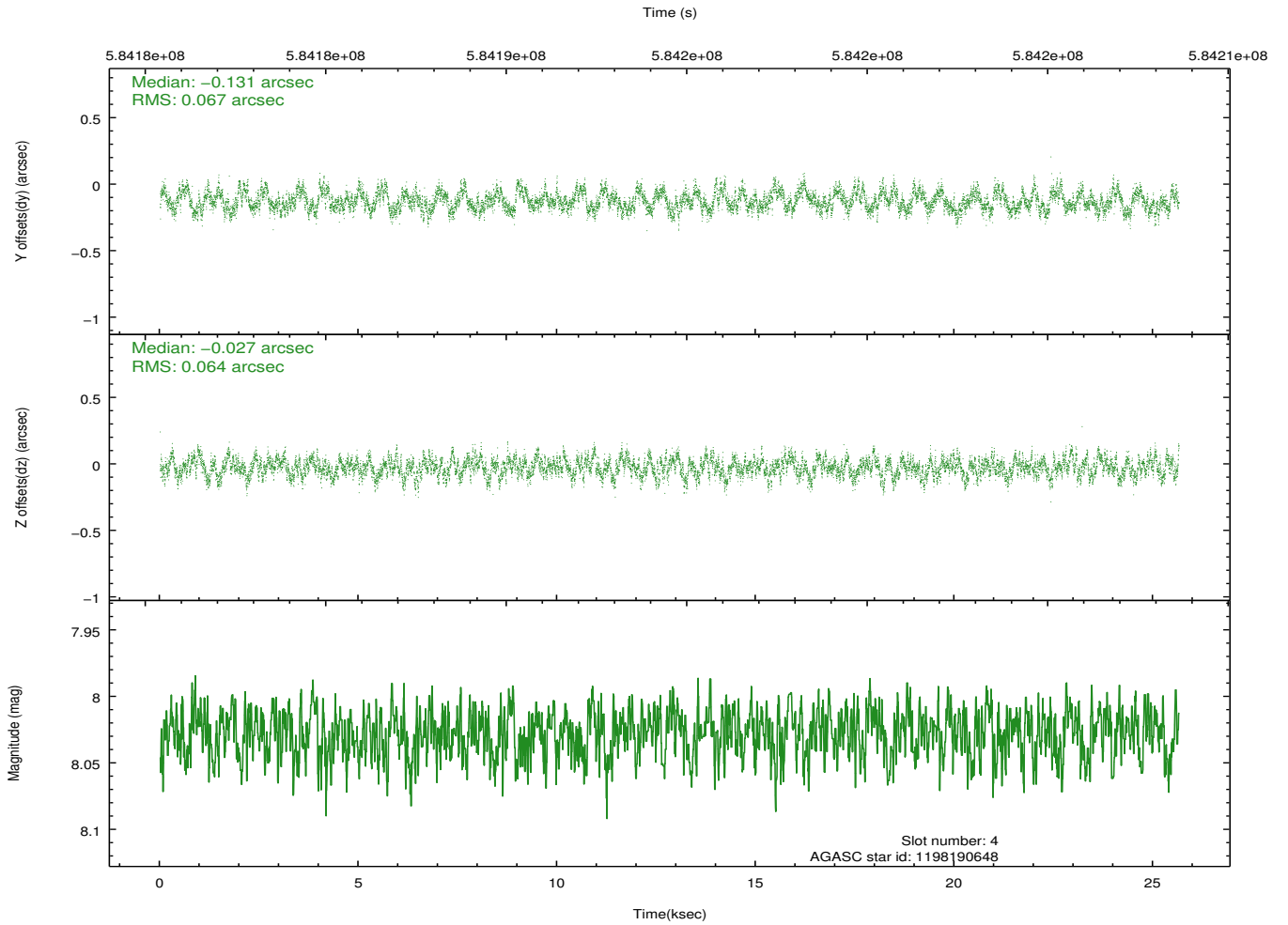
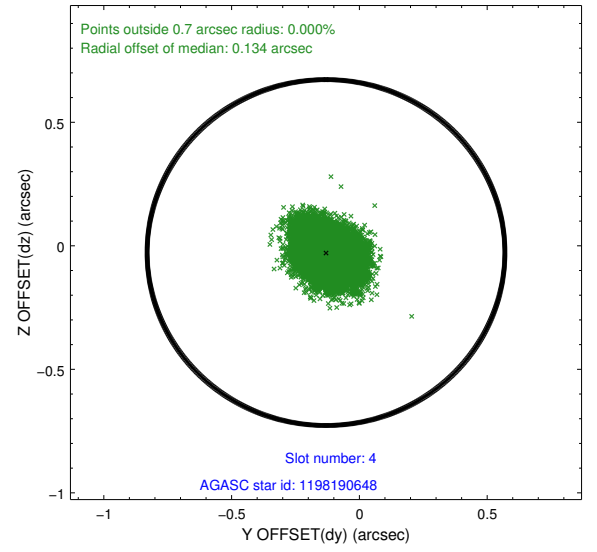
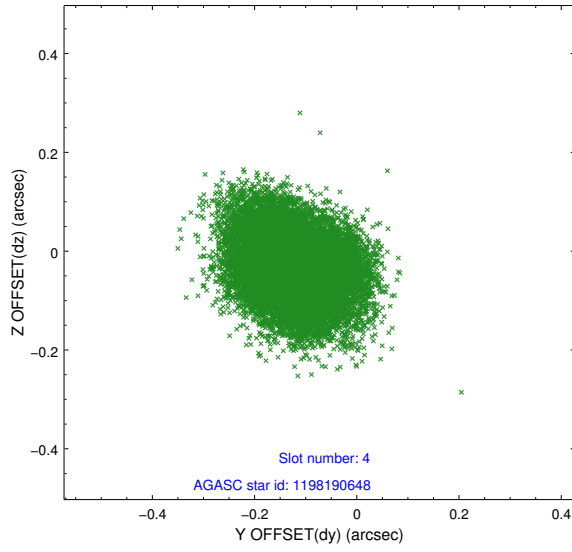
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.21	6255	0.027	-0.092	0.029	0.053	0.000000	0.000000	931.18	-1733.26
1	FID		ACIS-S-4	7.23	6255	0.279	0.056	0.014	0.036	0.000000	0.000000	2148.83	170.96
2	FID		ACIS-S-5	7.24	6256	-0.331	0.050	0.028	0.076	0.000000	0.000000	-1817.99	164.57
3	GUIDE	used	1198186800	9.15	12503	0.119	0.169	0.137	0.211	13.428368	-74.332597	-2218.18	-609.27
4	GUIDE	used	1198190648	8.03	12506	-0.131	-0.027	0.100	0.155	12.344115	-73.478663	1033.01	-395.69
5	GUIDE	used	1198190664	9.21	12503	0.211	0.295	0.204	0.333	14.057016	-73.825958	-645.38	-1721.52
6	GUIDE	used	1198184872	8.65	12498	-0.170	-0.415	0.176	0.267	10.002911	-73.761835	618.48	2156.11
7	GUIDE	used	1198141920	7.72	12508	-0.035	-0.013	0.089	0.145	11.032401	-74.265307	-1381.32	1581.14

2.4 Star Slots

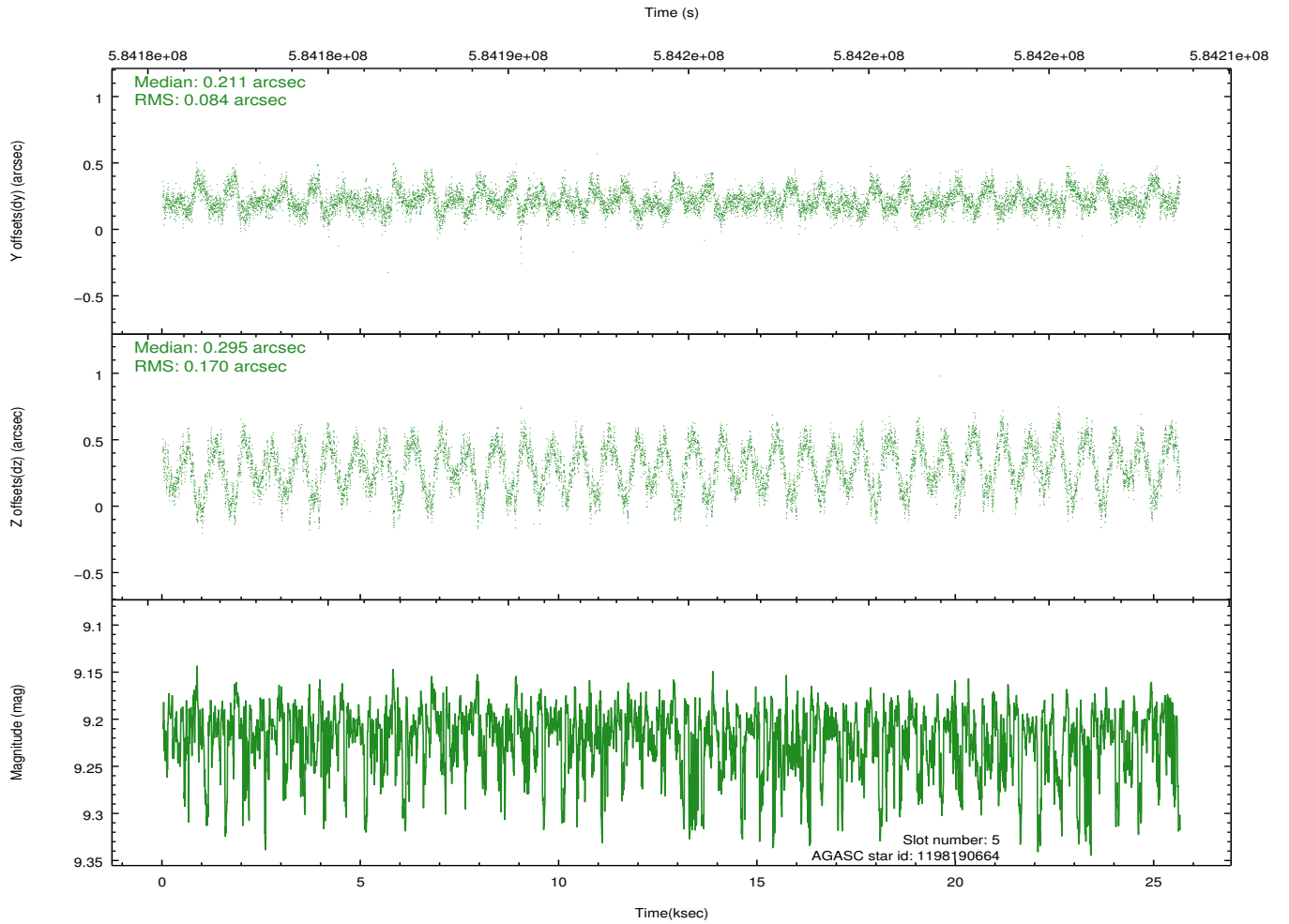
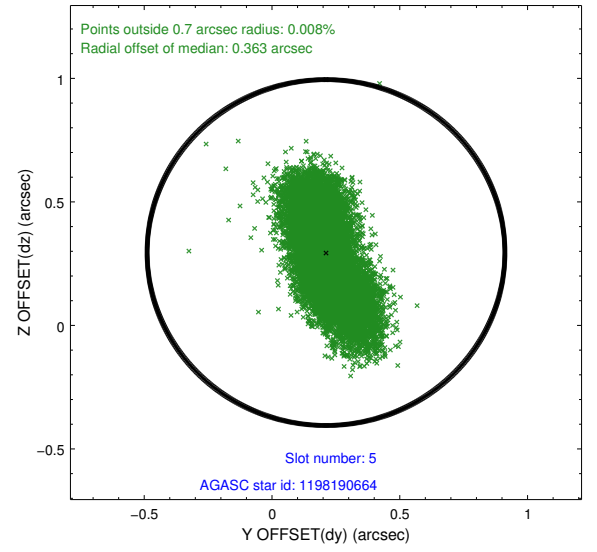
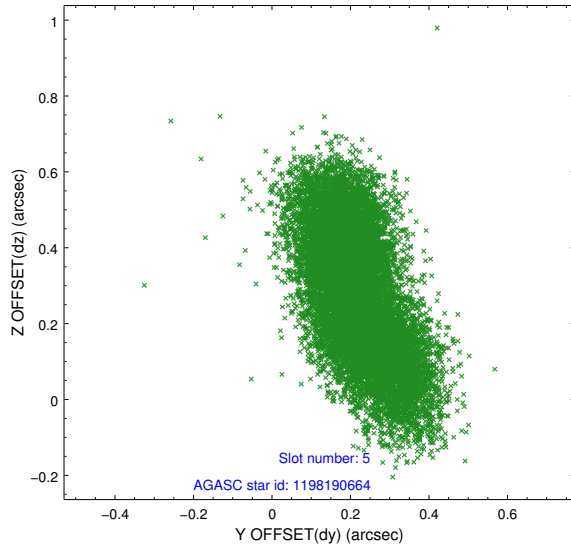
2.4.1 Slot 3



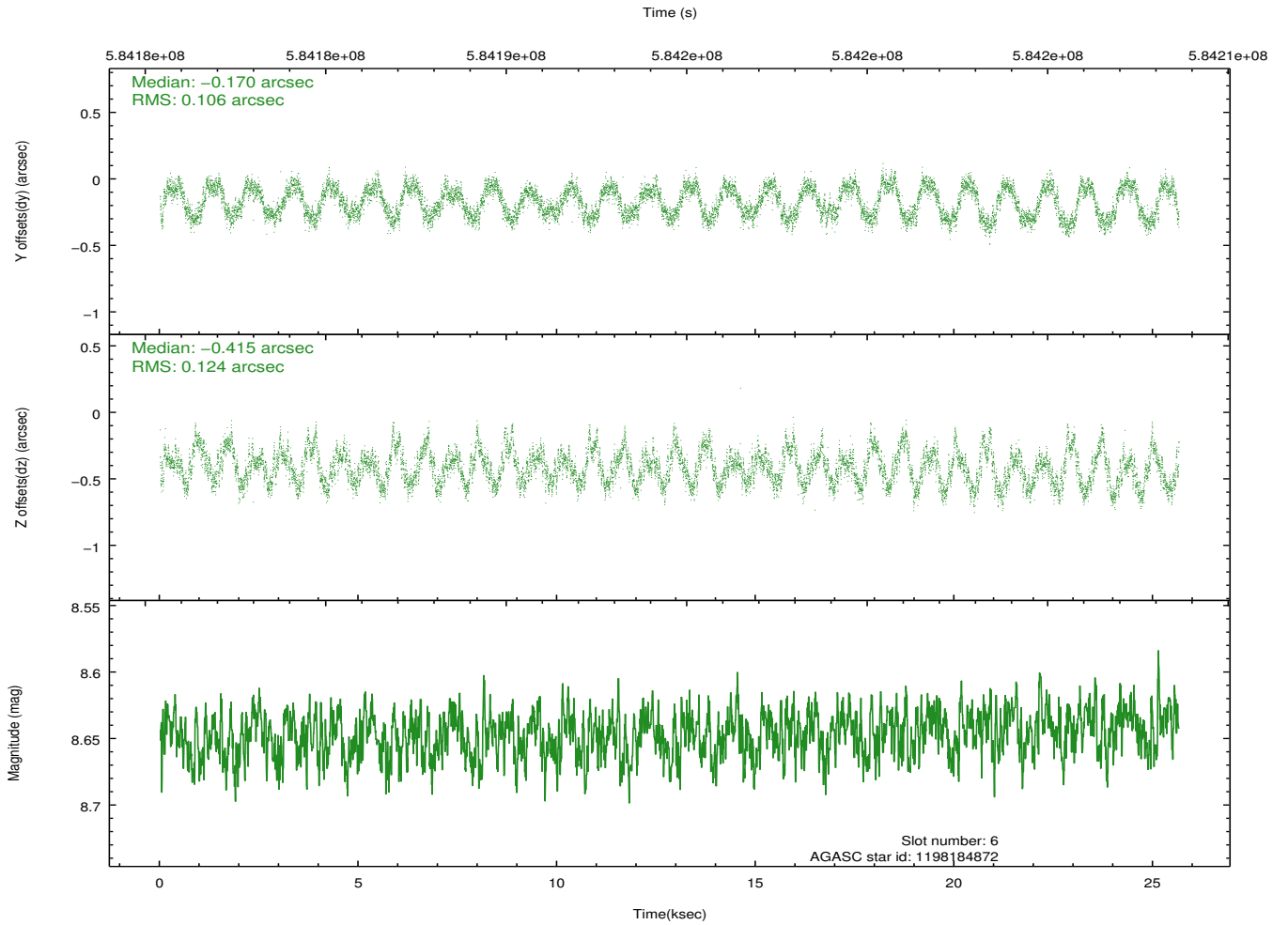
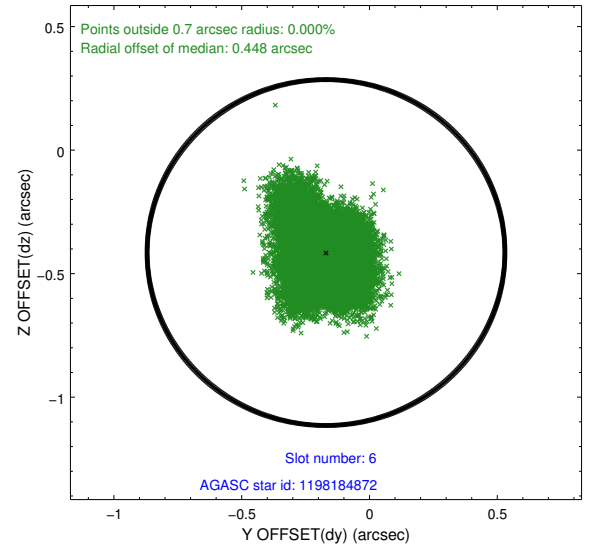
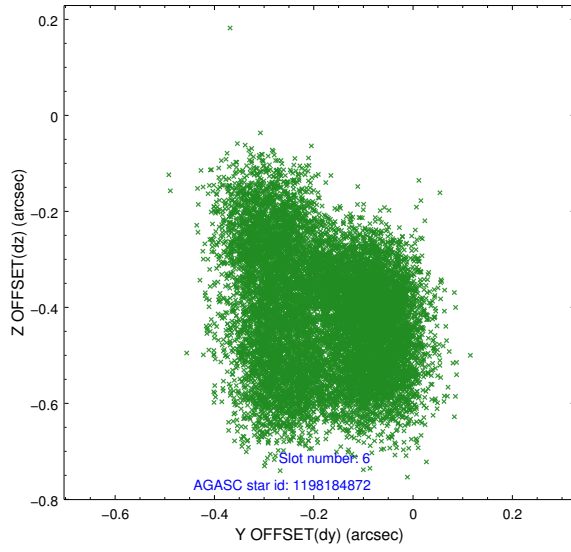
2.4.2 Slot 4



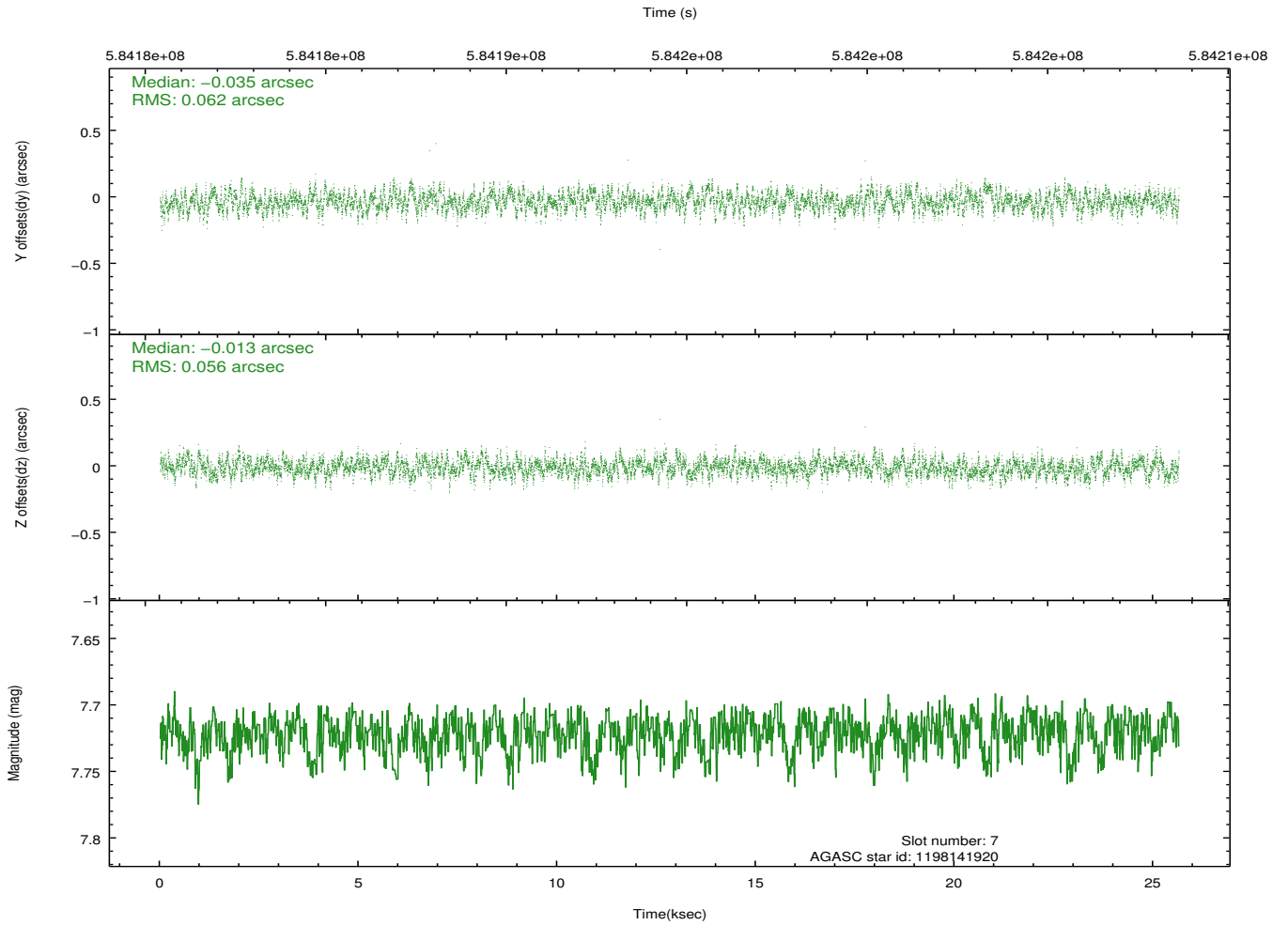
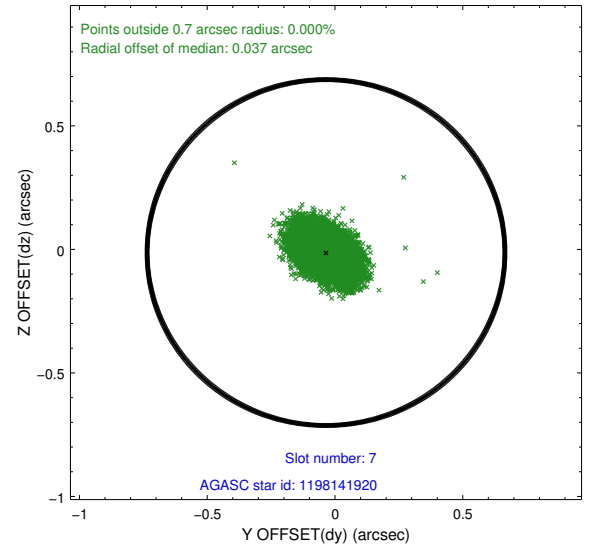
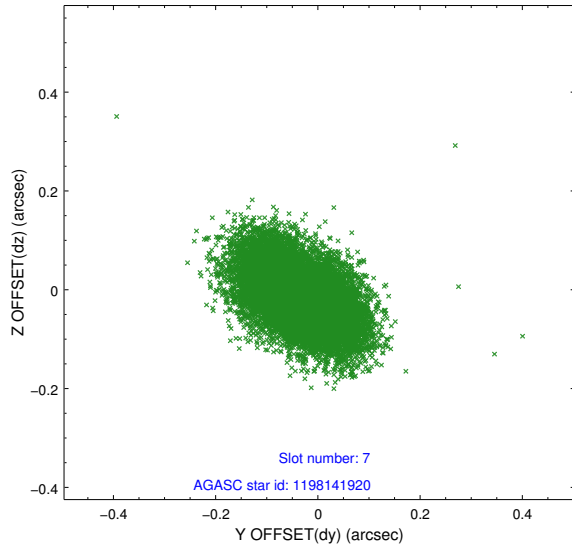
2.4.3 Slot 5



2.4.4 Slot 6

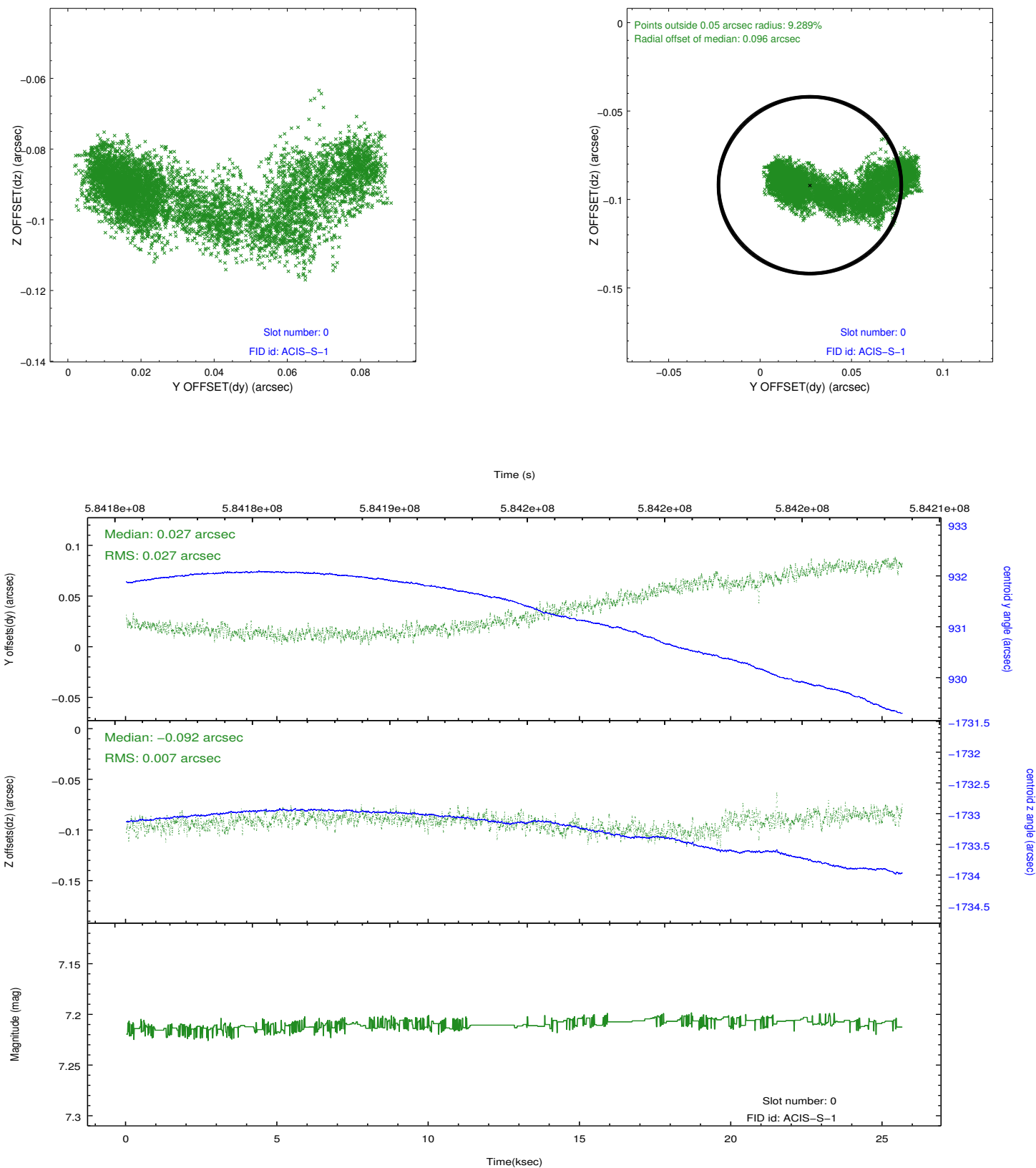


2.4.5 Slot 7

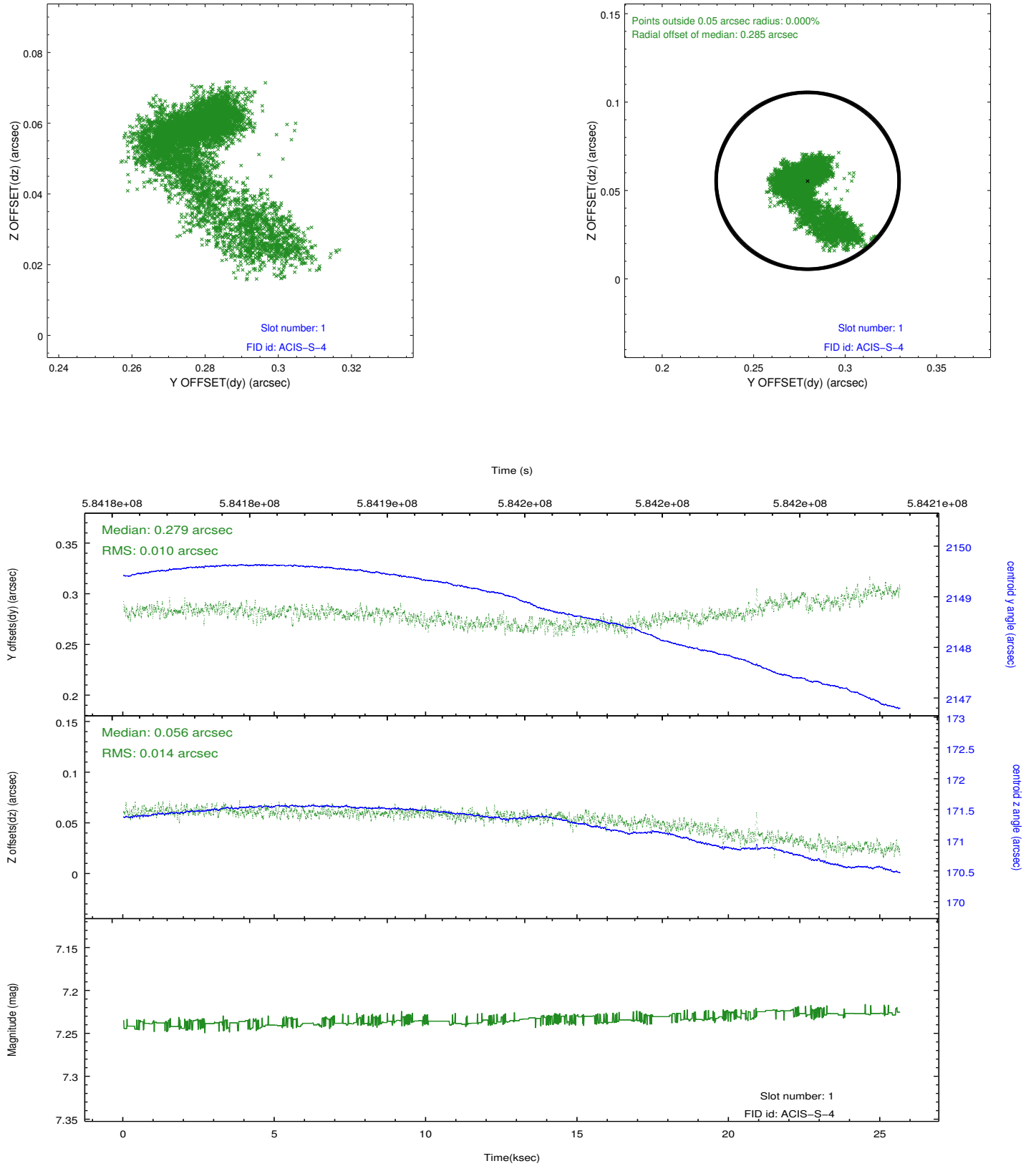


2.5 FID Slots

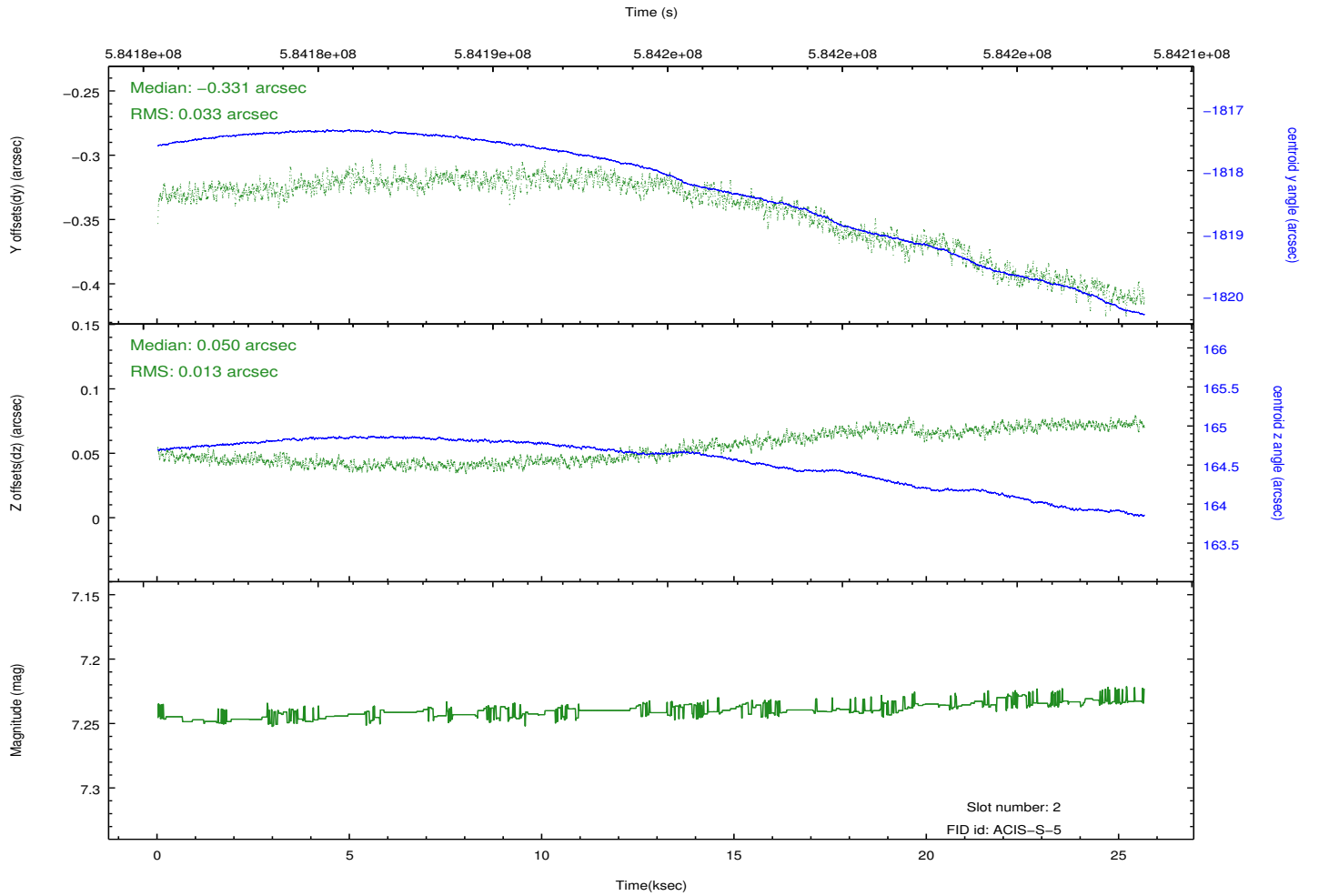
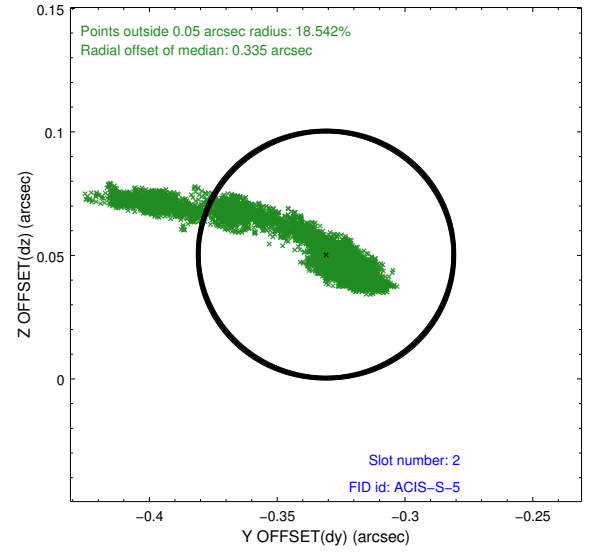
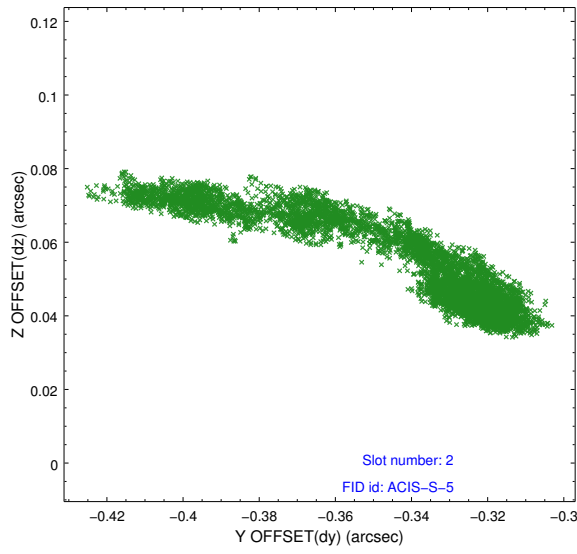
2.5.1 Slot 0



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)	2016.07.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.535198477983

A.2 Comments

Target is 4 arcmin off-axis, per observer request.