

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 16762 - L2 Version 1
Chandra X-Ray Center

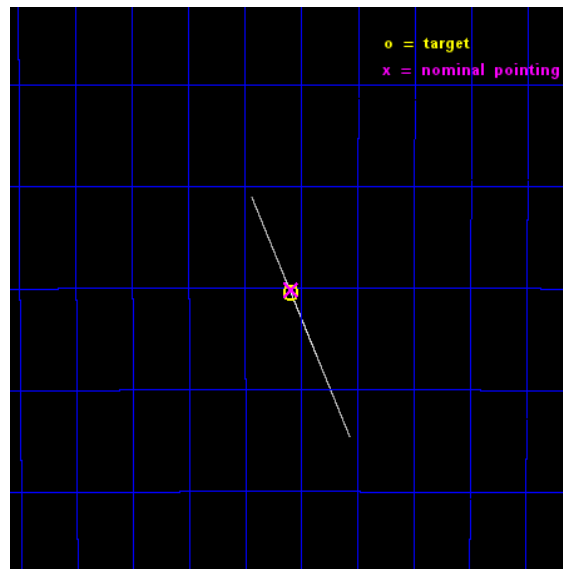
L2 Processing Date : May 4 2015

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1 Front

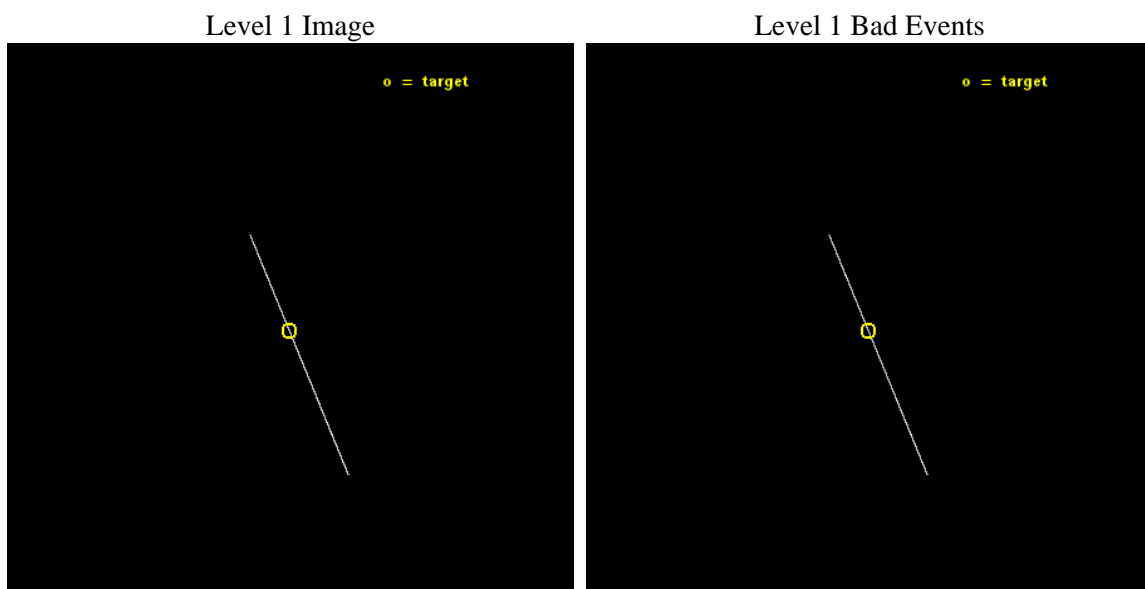
seq_num	502280	Sequence number
obs_id	16762	Observation id
title	The Energetic Magnetar in HESS J1713-381/CTB 37B	Proposal title
observer	Prof. Jules Halpern	Principal investigator
object	CXOU J171405.7-381031	Source name
ra_targ	258.52375	Observer's specified target RA [deg]
dec_targ	-38.17525	Observer's specified target Dec [deg]
ra_nom	258.52187152847	Nominal RA [deg]
dec_nom	-38.170017628314	Nominal Dec [deg]
roll_nom	66.42291878378	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20130.0	Sum of GTIs [s]
livetime	20051.3671875	Livetime [s]
ontime6	20130.0	Sum of GTIs [s]
ontime7	20130.0	Sum of GTIs [s]
ontime8	20130.0	Sum of GTIs [s]
l2events	95536	Number of level 2 events



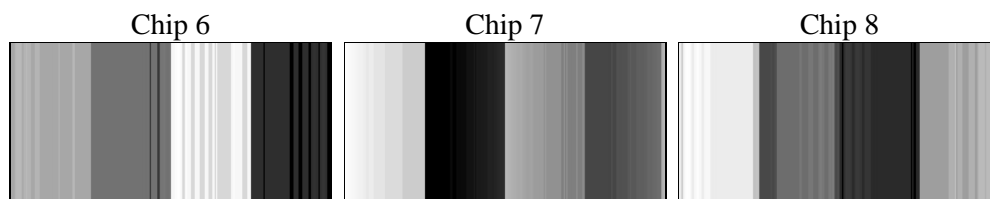
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	20130.0	Sum of GTIs [s]
caldsver	4.6.7	 	ontime6	20130.0	Sum of GTIs [s]
date	2015-05-05T02:25:42	Date and time of file creation	ontime7	20130.0	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	20130.0	Sum of GTIs [s]
			l1events	658158	Number of level 1 events

2.1.4 Events

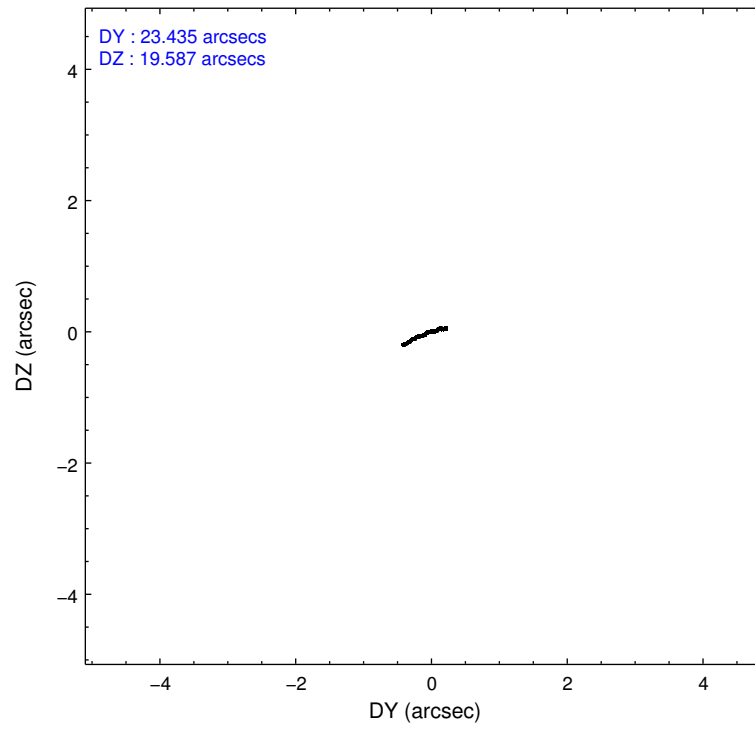
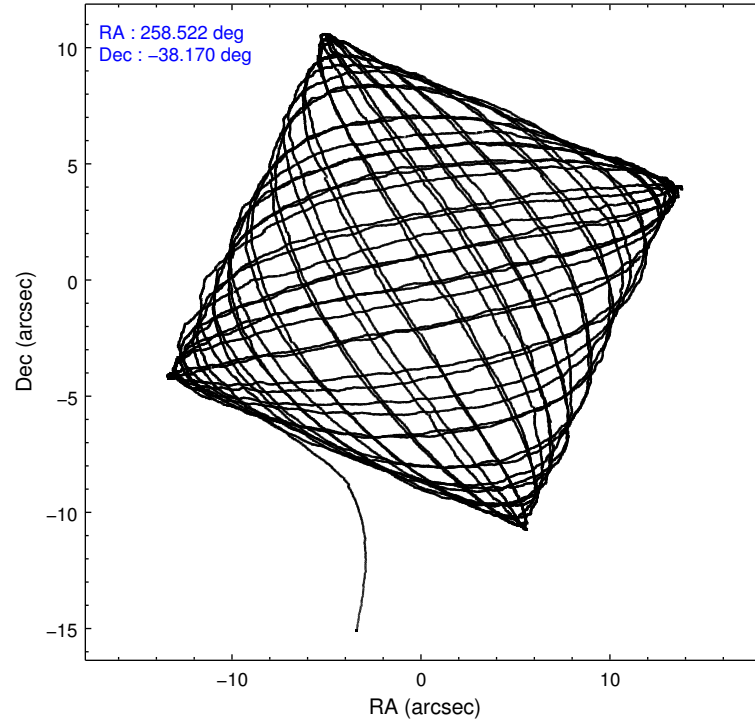
	ccd 6	ccd 7	ccd 8
level 1 events	178423	200695	279040
rejected events	159674	136136	231387
rejected %	89%	67%	82%

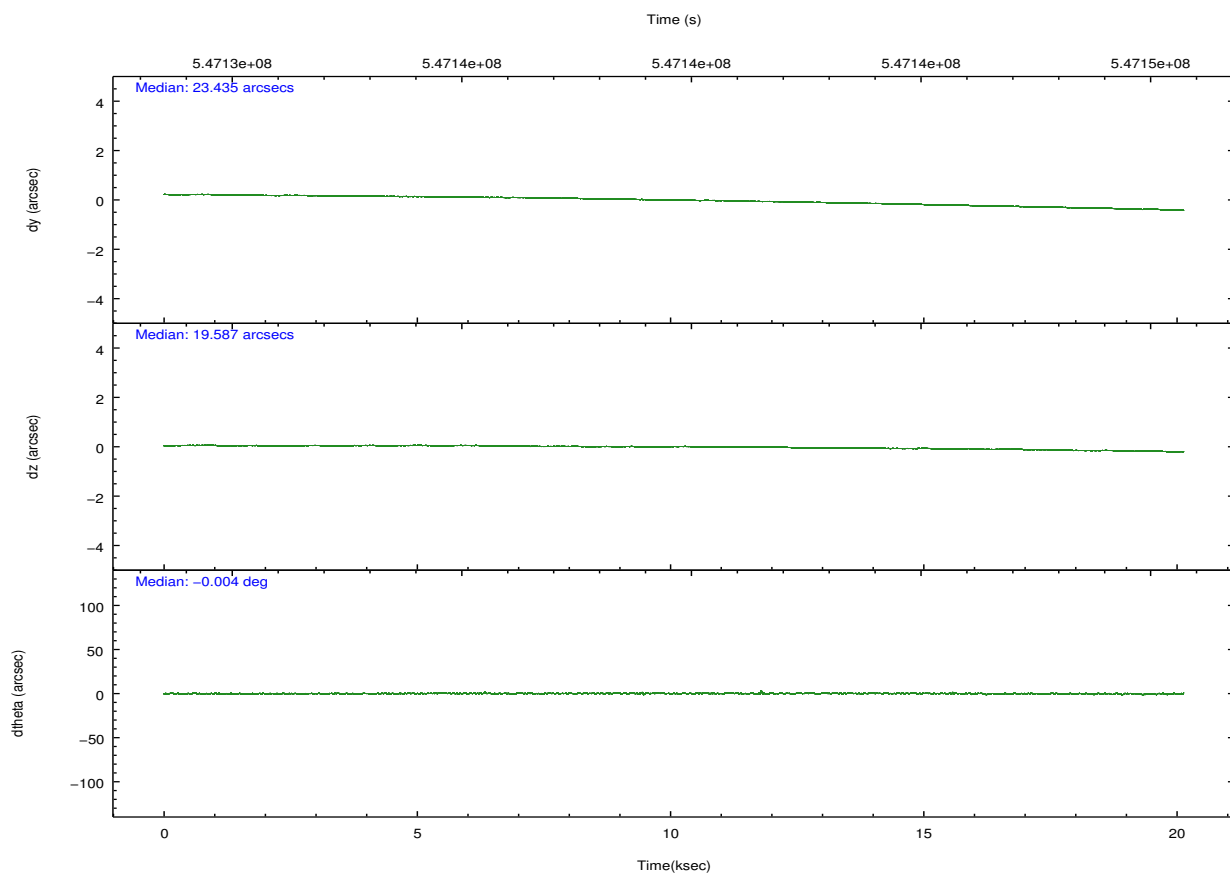
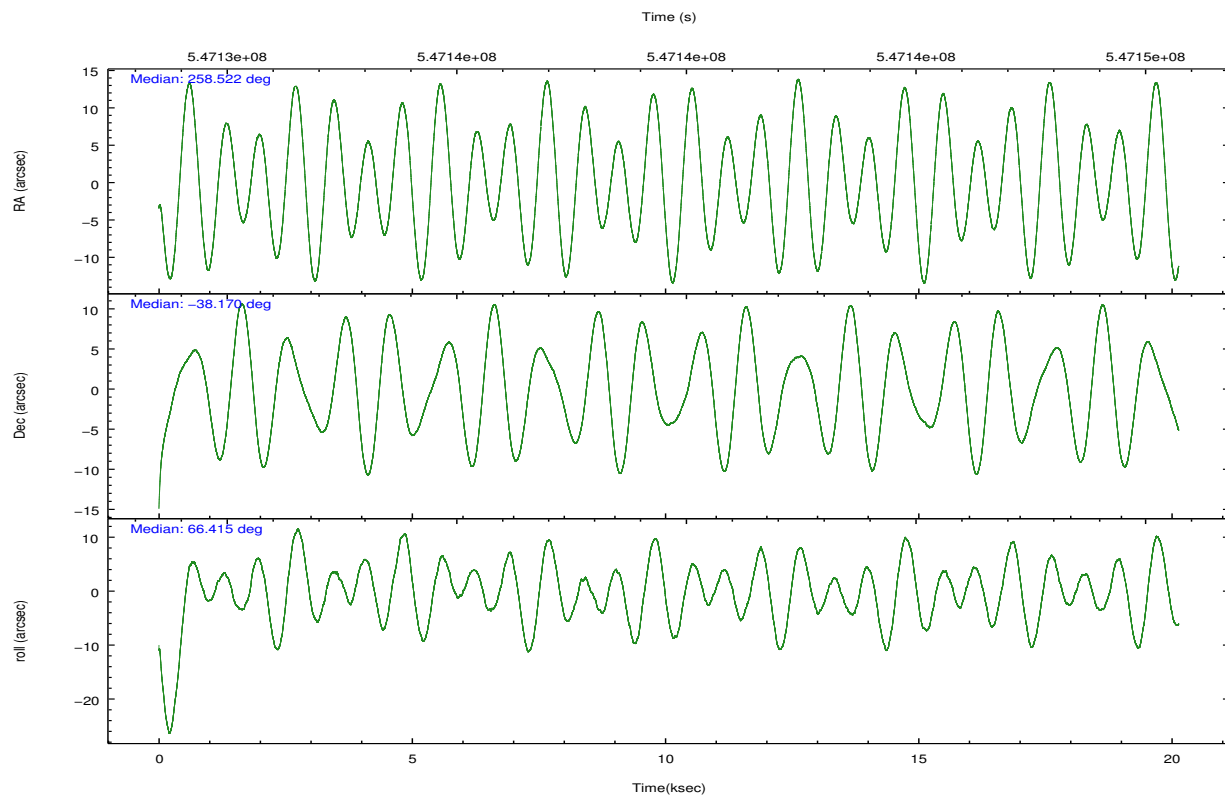
	ccd 6	ccd 7	ccd 8
grade 0 events	2086	4549	10617
	1%	2%	3%
grade 1 events	95	159	183
	0%	0%	0%
grade 2 events	7463	17557	14696
	4%	8%	5%
grade 3 events	2225	3143	4949
	1%	1%	1%
grade 4 events	1930	3073	4813
	1%	1%	1%
grade 5 events	5312	12943	7696
	2%	6%	2%
grade 6 events	5092	36326	12644
	2%	18%	4%
grade 7 events	154220	122945	223442
	86%	61%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	258.526274	258.5218715284701	CCD I2 on	N	N
[deg] Pointing Dec	-38.197236	-38.17001762831361	CCD I3 on	N	N
[deg] Pointing Roll	66.269005	66.42291878378003	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	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	O1	Y
[s] Observation start time (MET)	547129667.184000	547128090.77376	CCD S5 on	N	N
Observation start date	2015-05-04T12:26:40	2015-05-04T12:01:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	547149667.184000	547150114.94999	On-chip summing requested	N	N
Observation end date	2015-05-04T18:00:00	2015-05-04T18:08:34	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



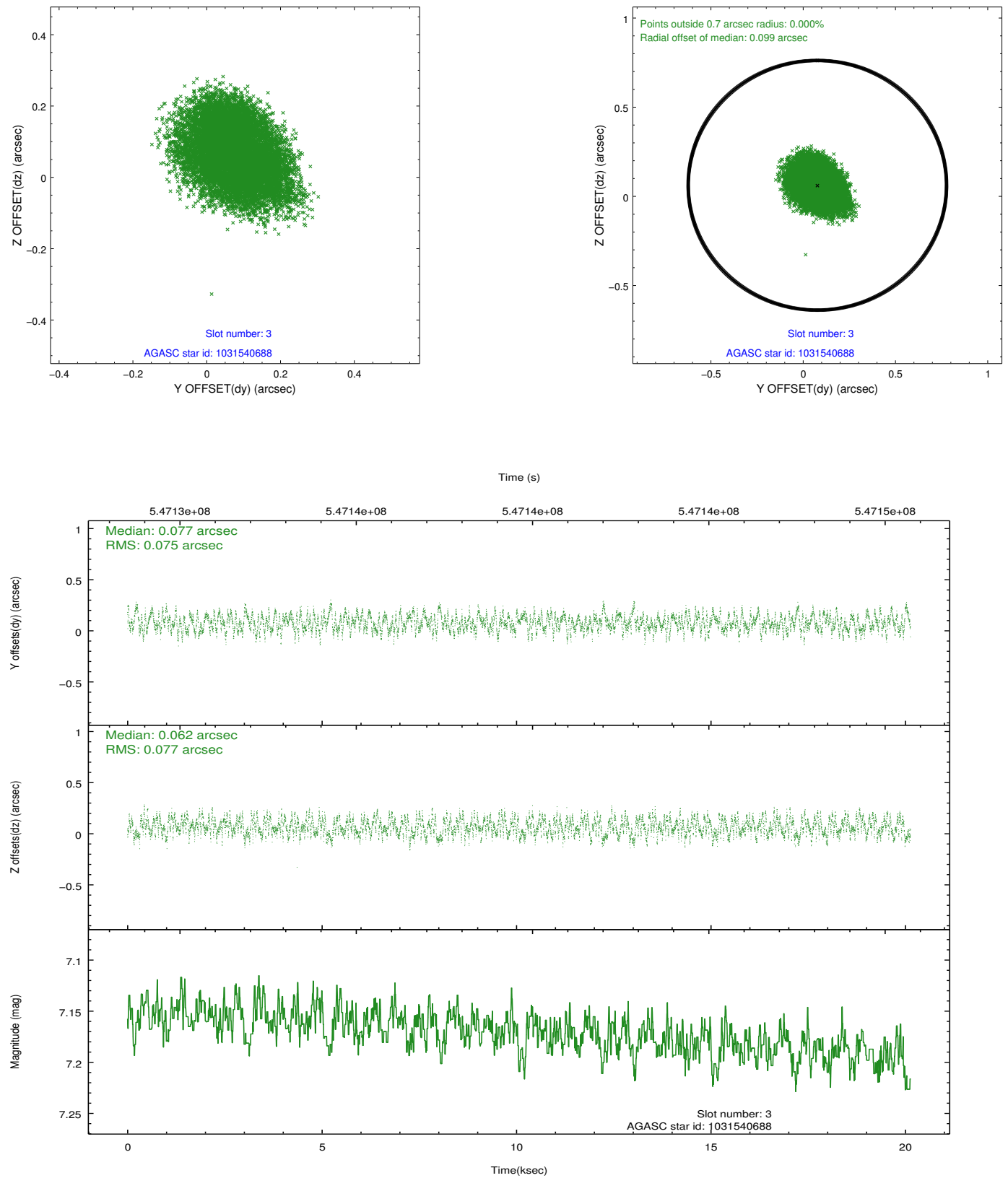


Slot Statistics

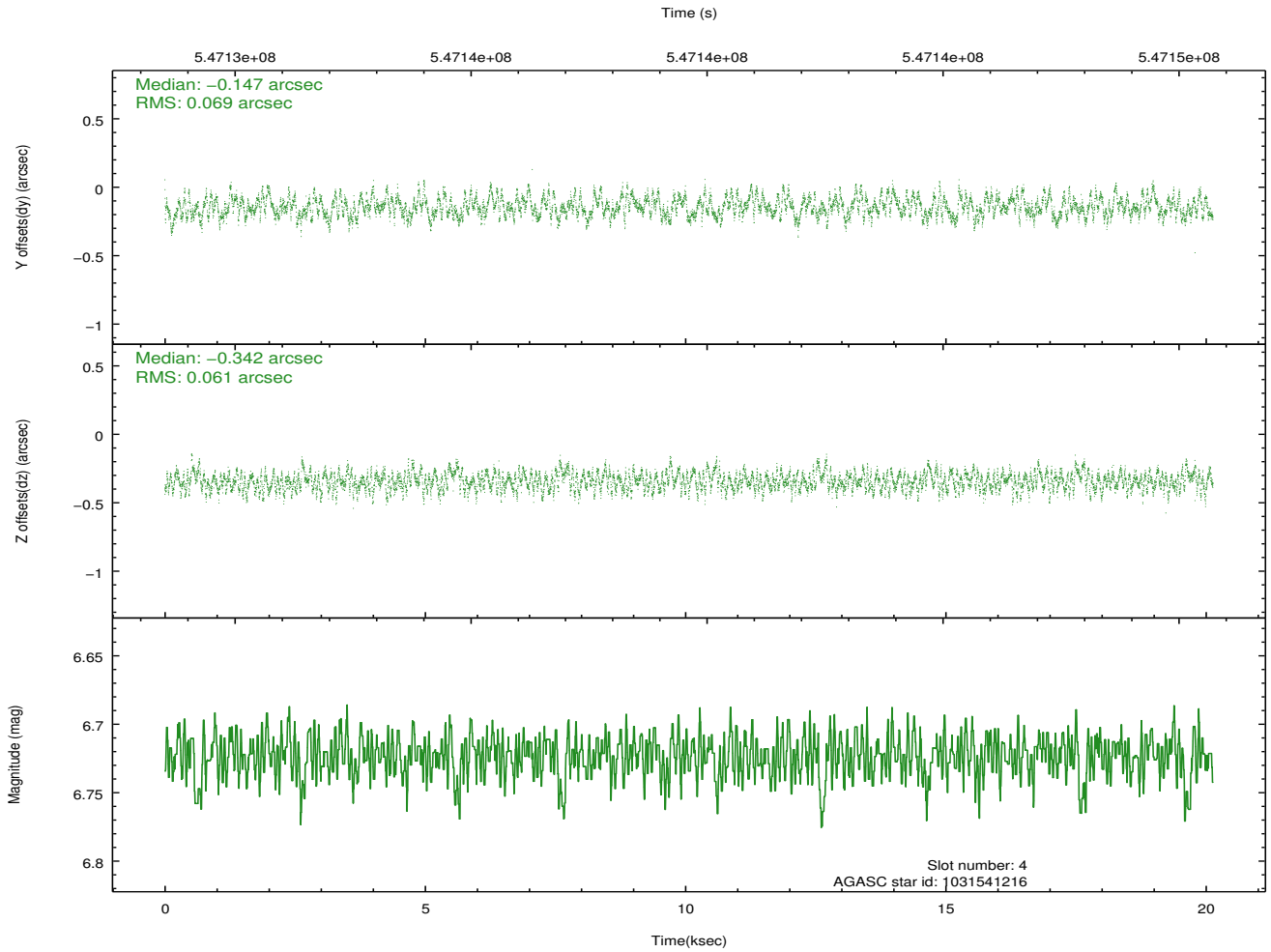
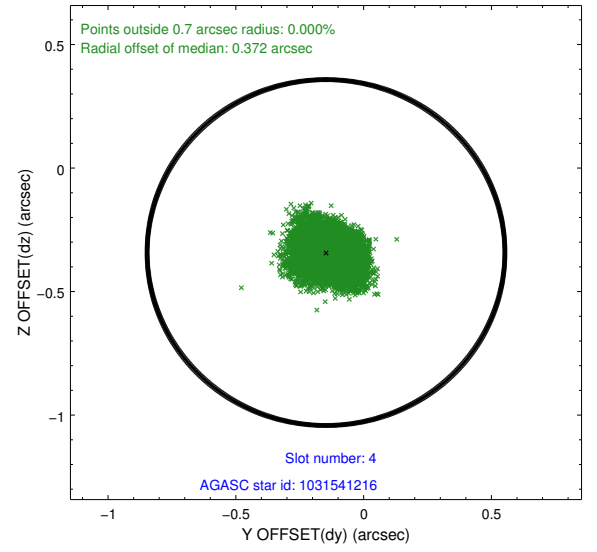
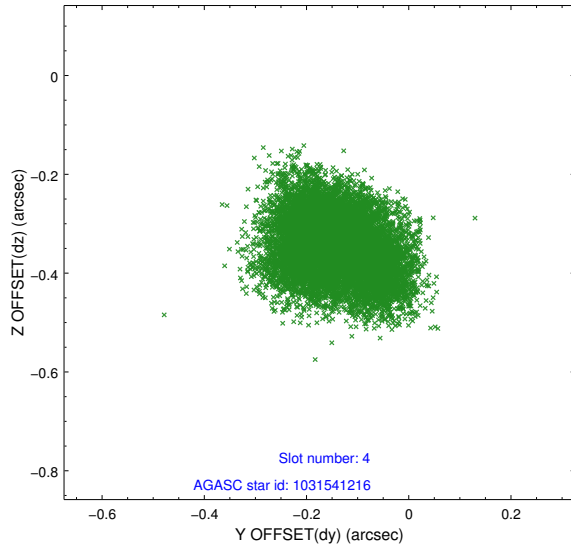
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.09	4911	-0.189	-0.095	0.016	0.025	0.000000	0.000000	-776.78	-1741.11
1	FID		ACIS-S-4	7.19	4911	0.448	0.117	0.012	0.020	0.000000	0.000000	2137.04	167.40
2	FID		ACIS-S-5	7.20	4912	-0.288	-0.013	0.013	0.023	0.000000	0.000000	-1829.49	161.14
3	GUIDE	used	1031540688	7.17	9821	0.077	0.062	0.118	0.175	258.843021	-38.212972	307.79	-843.54
4	GUIDE	used	1031541216	6.72	9820	-0.147	-0.342	0.100	0.157	258.289266	-37.952377	535.47	969.91
5	GUIDE	used	1031549032	7.97	9820	0.273	0.310	0.098	0.154	258.584727	-38.516573	-985.49	-613.18
6	GUIDE	used	1031538744	7.06	9821	-0.137	-0.526	0.095	0.145	257.905000	-37.853256	417.06	2112.07
7	GUIDE	used	1031541992	8.55	9815	-0.074	0.493	0.104	0.169	259.348449	-38.357588	396.74	-2360.44

2.4 Star Slots

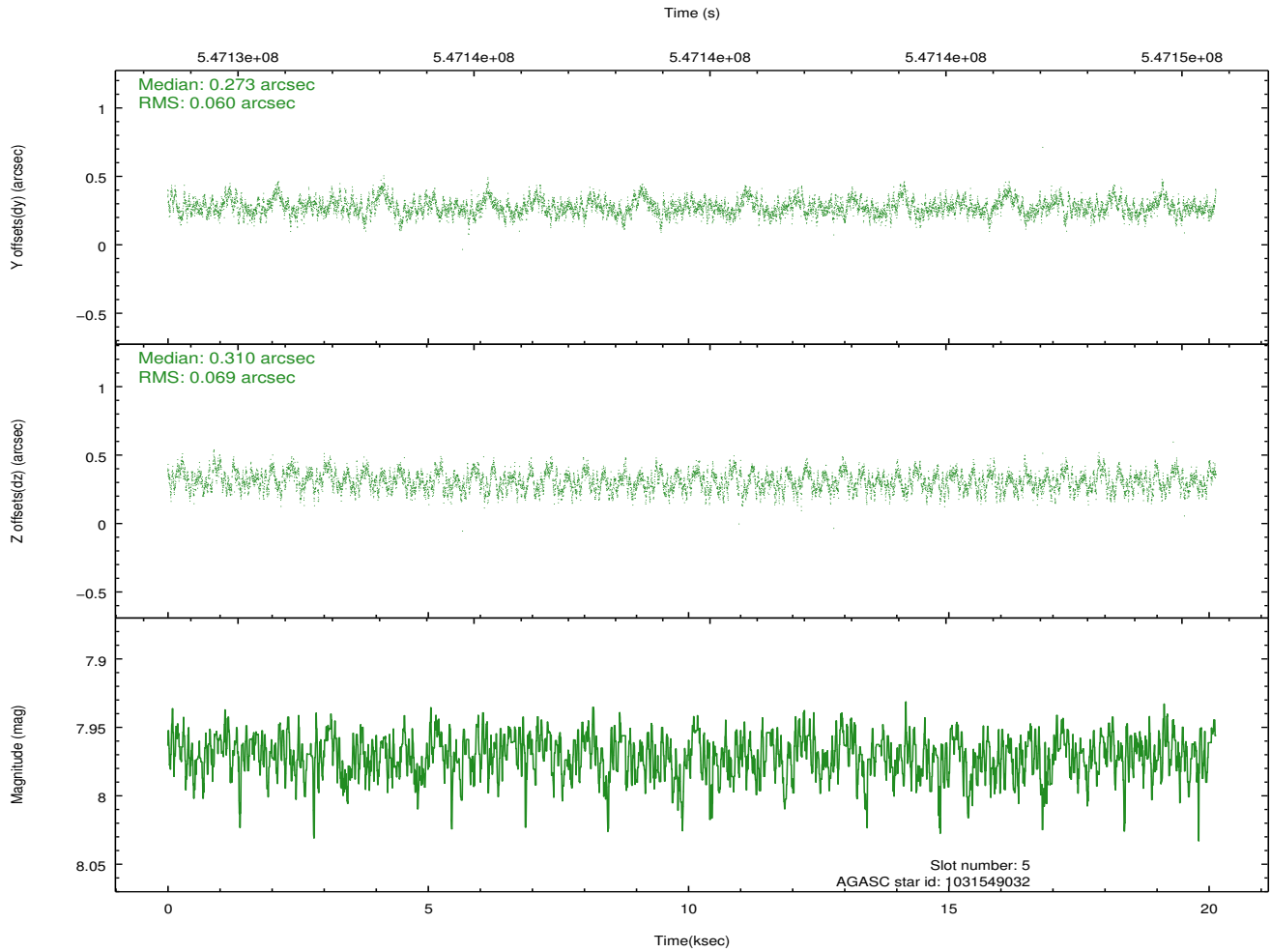
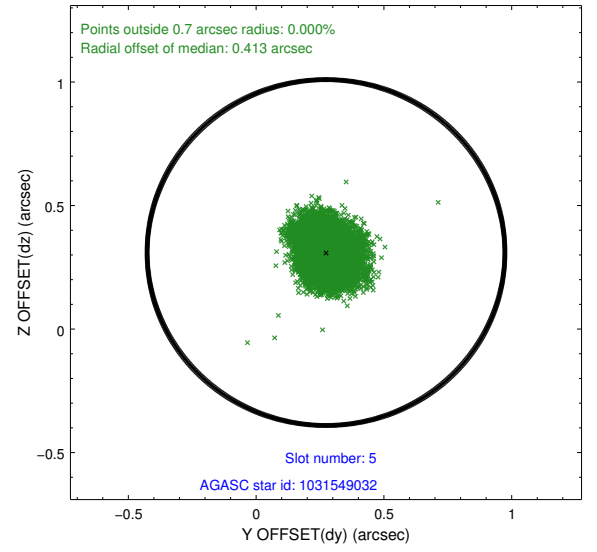
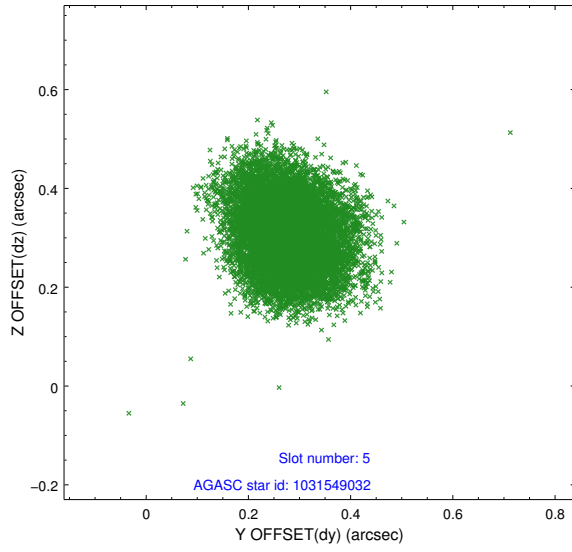
2.4.1 Slot 3



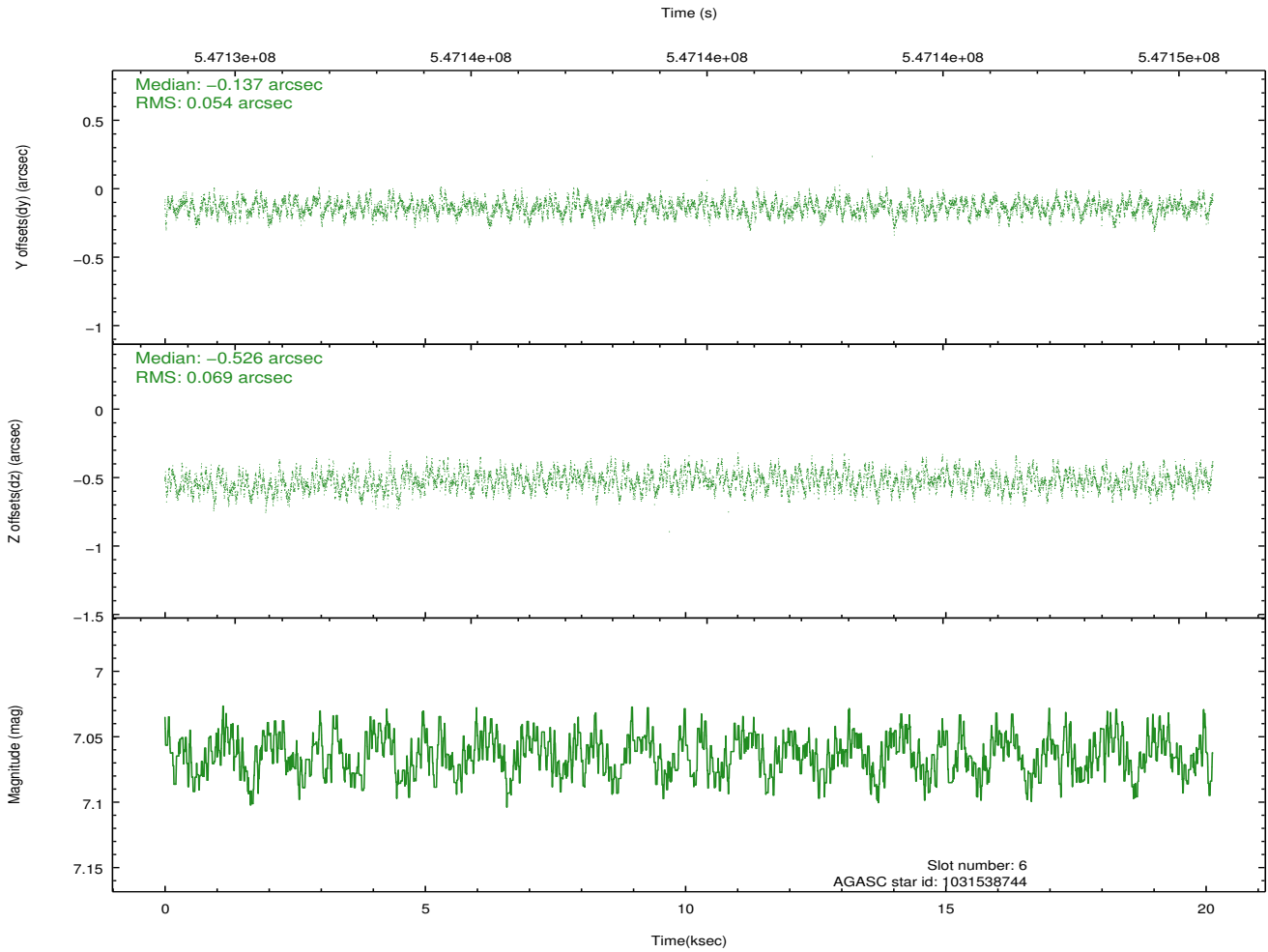
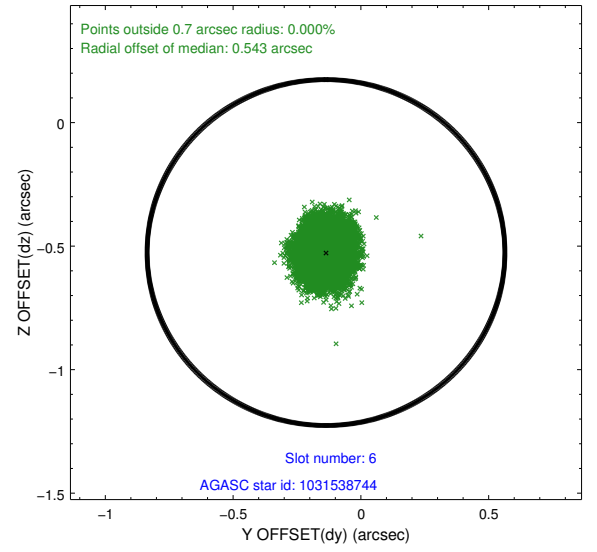
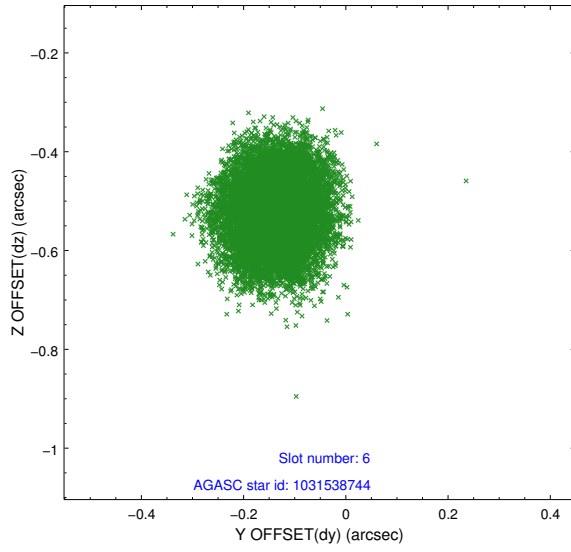
2.4.2 Slot 4



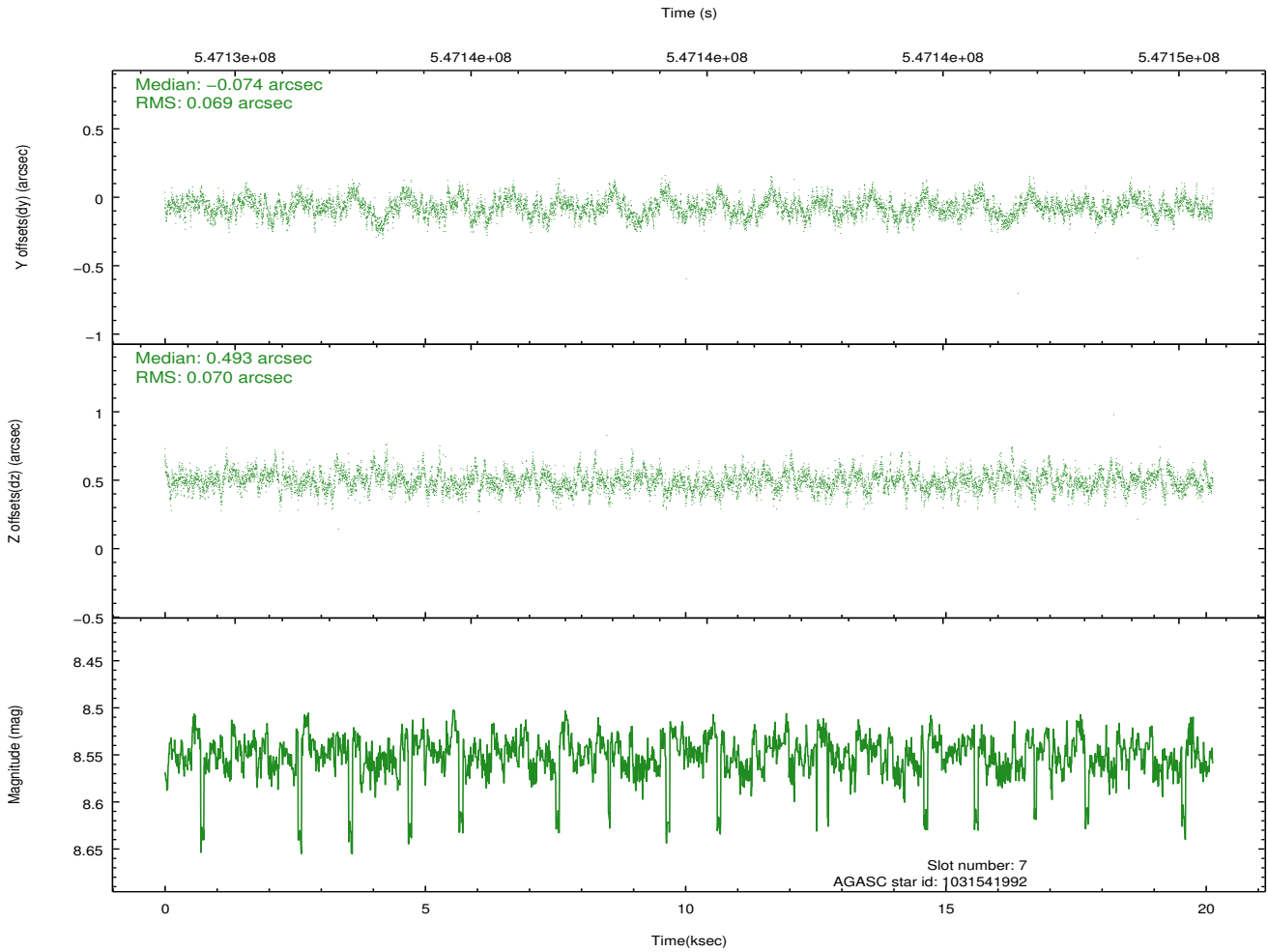
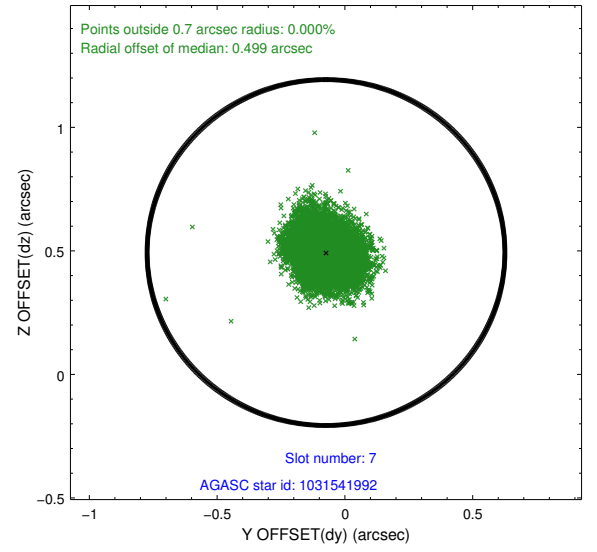
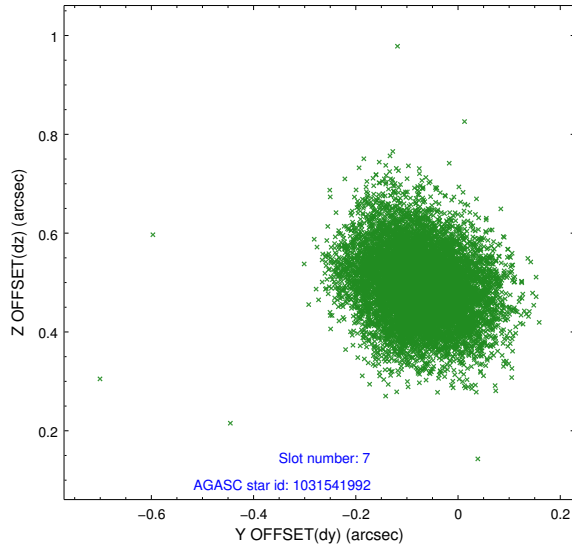
2.4.3 Slot 5



2.4.4 Slot 6

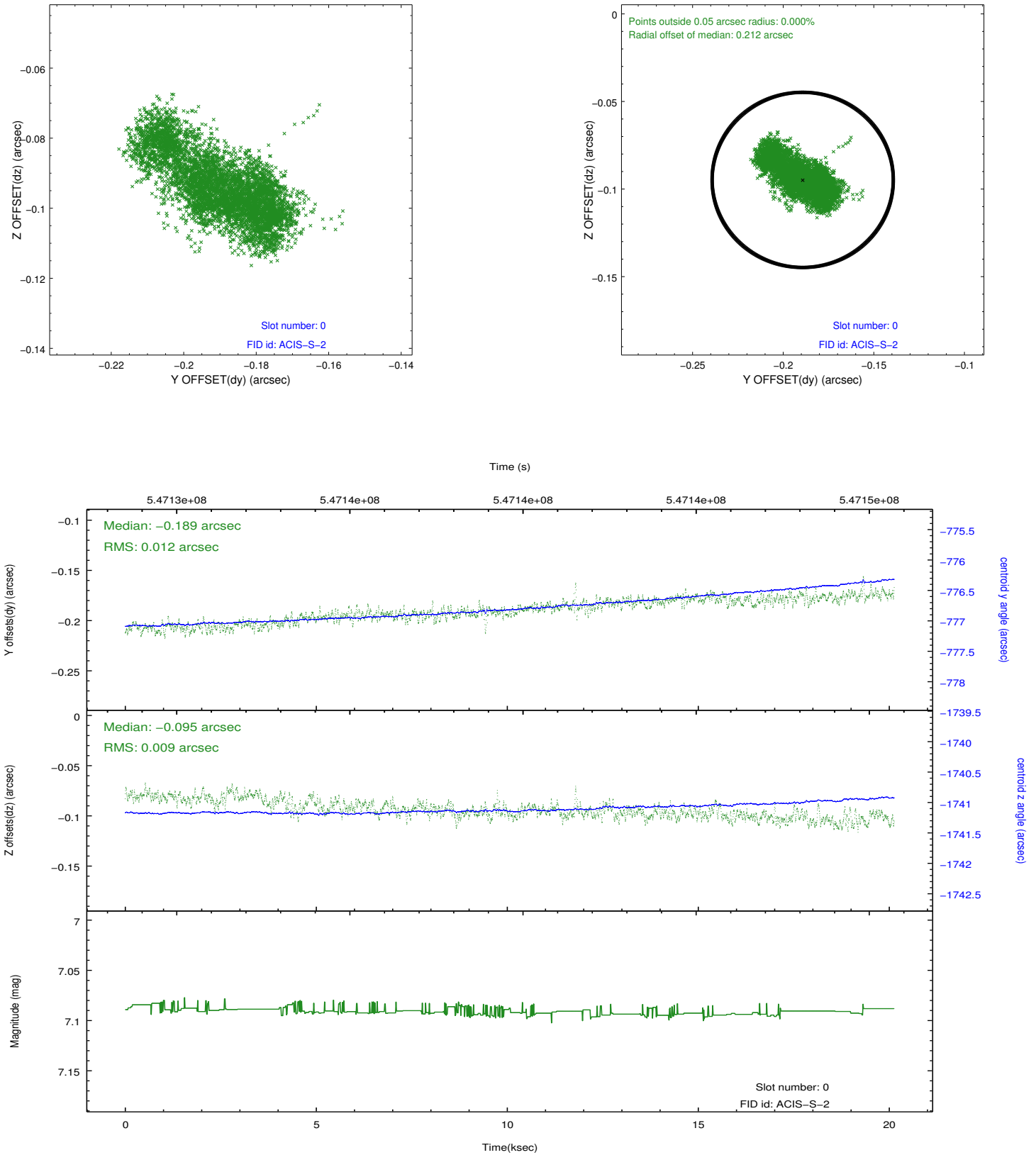


2.4.5 Slot 7

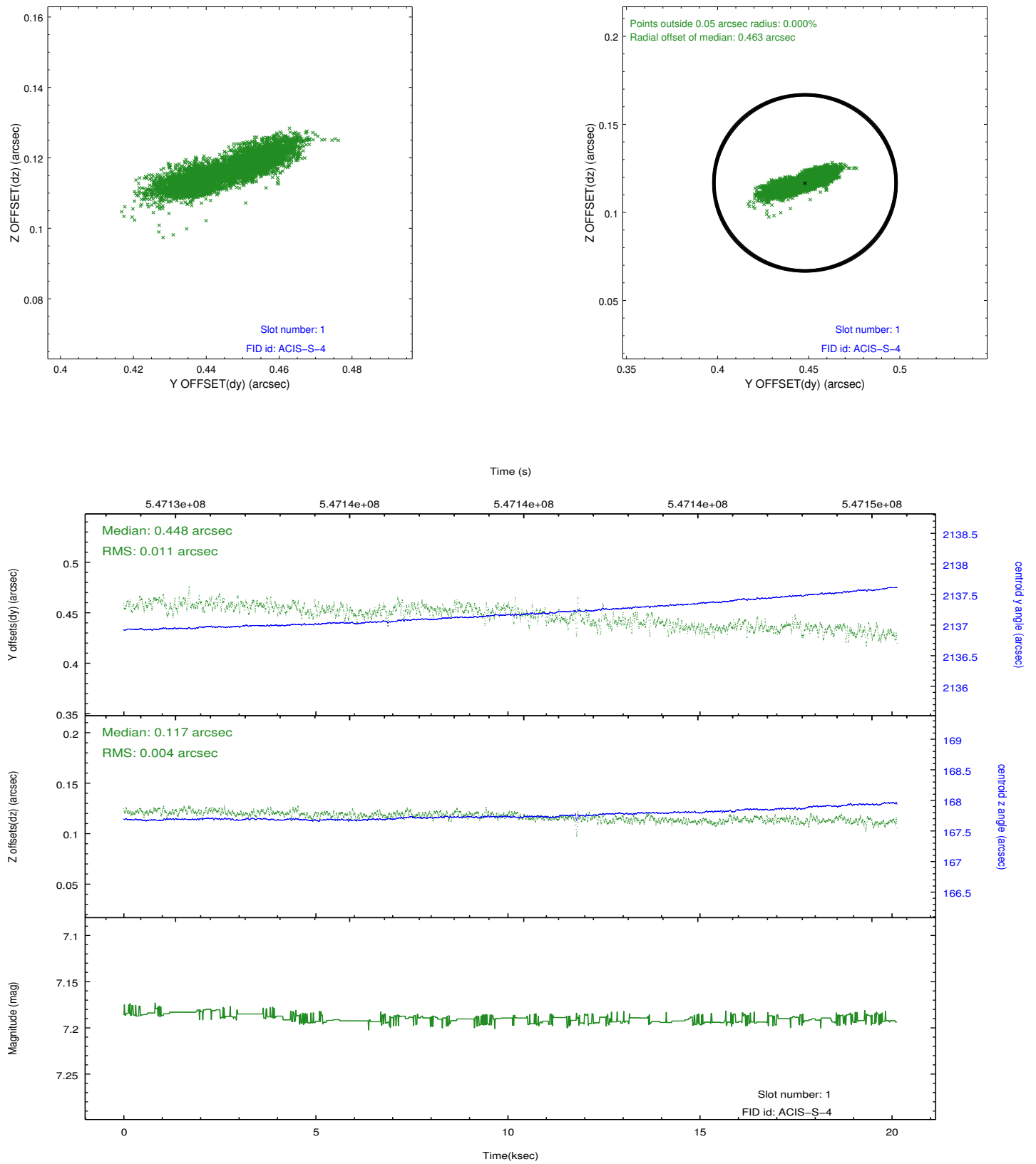


2.5 FID Slots

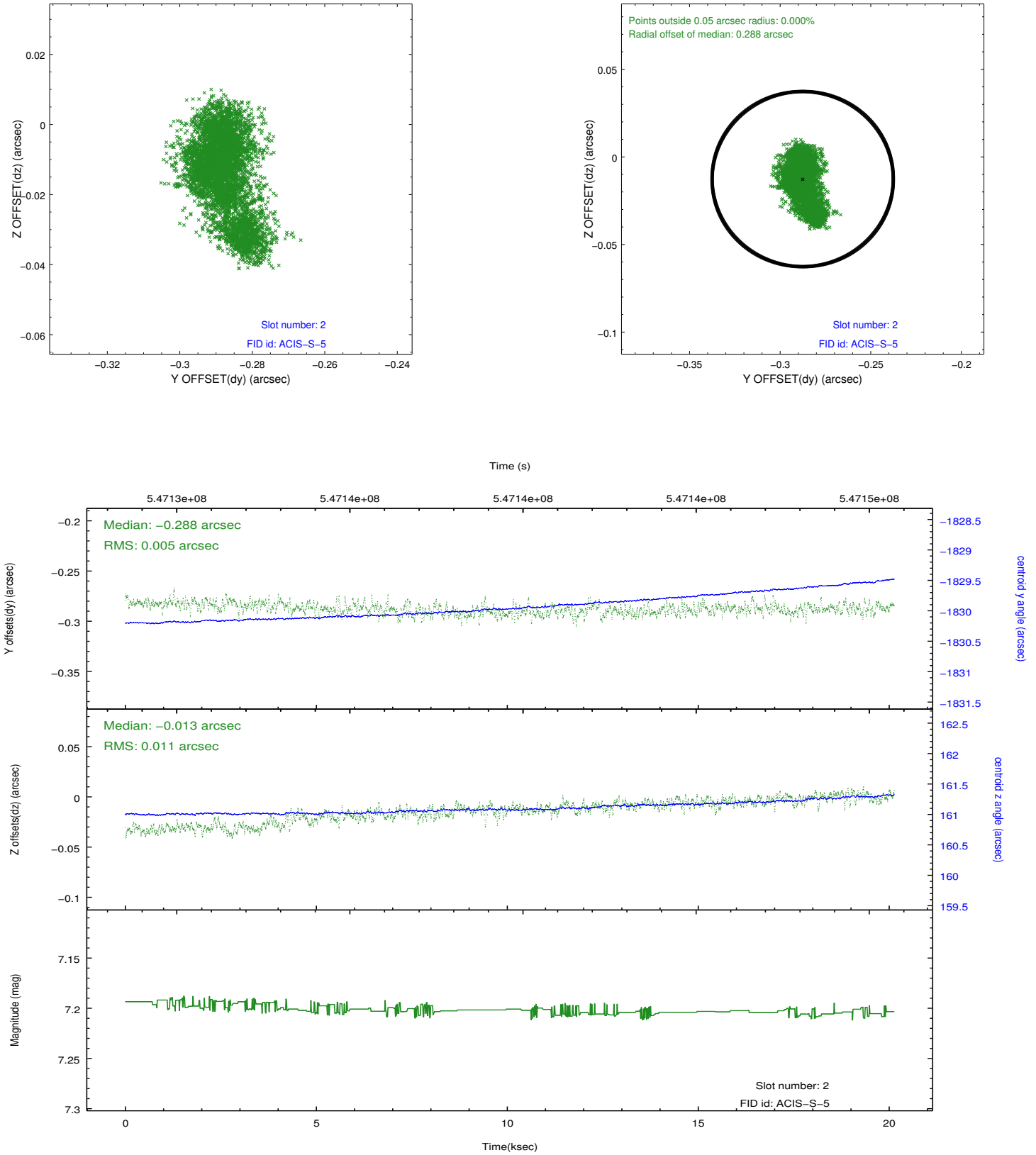
2.5.1 Slot 0



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)	2015.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.13

A.2 Comments

The slot 1 radial offset of 0.463 arcsec is acceptable.