

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17869 - L2 Version 1
Chandra X-Ray Center

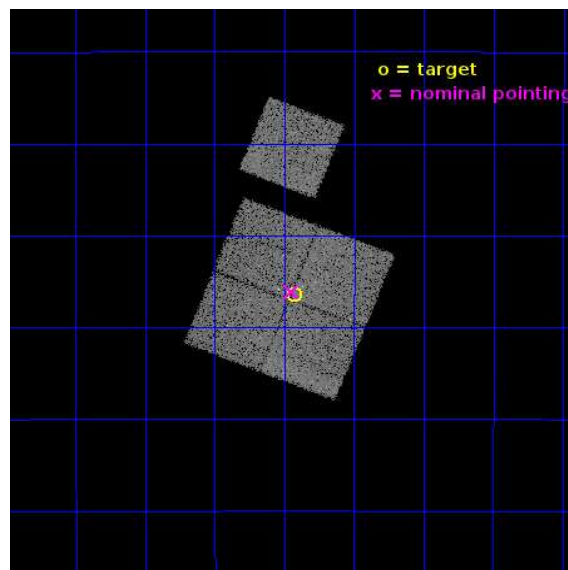
L2 Processing Date : Jan 31 2016

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1 Front

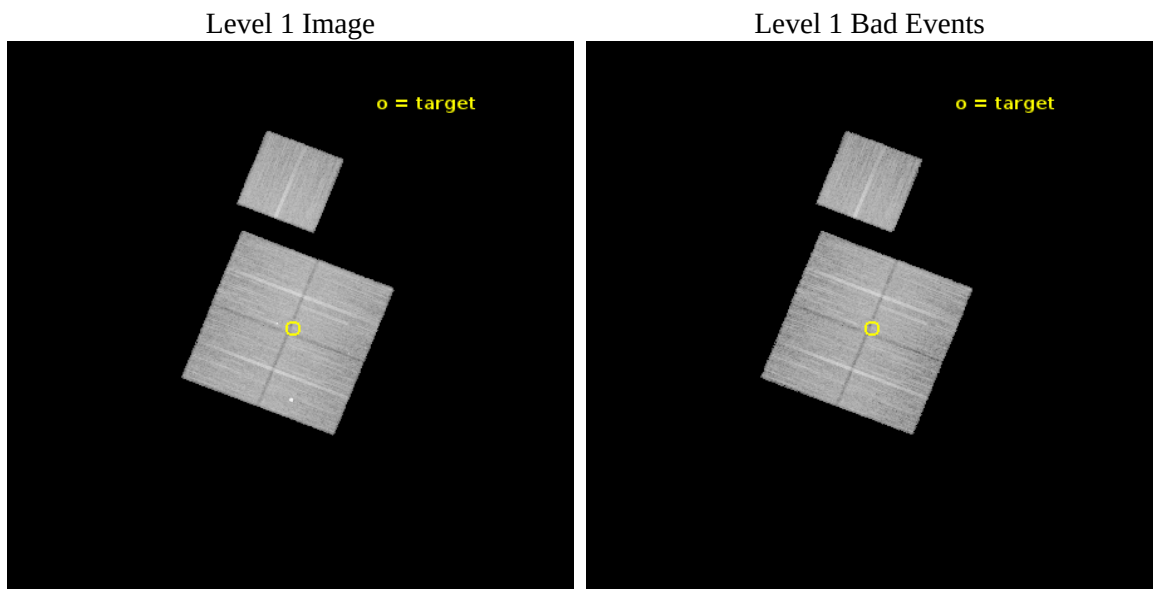
seq_num	401801	Sequence number
obs_id	17869	Observation id
title	X-ray Observations of New Gamma-Ray Bright Galactic Compact Binaries	
observer	Prof. Jay Strader	Principal investigator
object	3FGL J0940.9-1337	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.232583	Observer's specified target RA [deg]
dec_targ	-13.606611	Observer's specified target Dec [deg]
ra_nom	145.23749296681	Nominal RA [deg]
dec_nom	-13.602081928694	Nominal Dec [deg]
roll_nom	21.572280164855	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20075.600154519	Sum of GTIs [s]
livetime	19813.297659058	Livetime [s]
ontime0	20075.600154519	Sum of GTIs [s]
ontime1	20069.317993999	Sum of GTIs [s]
ontime2	20075.600154519	Sum of GTIs [s]
ontime3	20075.600154519	Sum of GTIs [s]
ontime6	20075.600154519	Sum of GTIs [s]
l2events	59067	Number of level 2 events



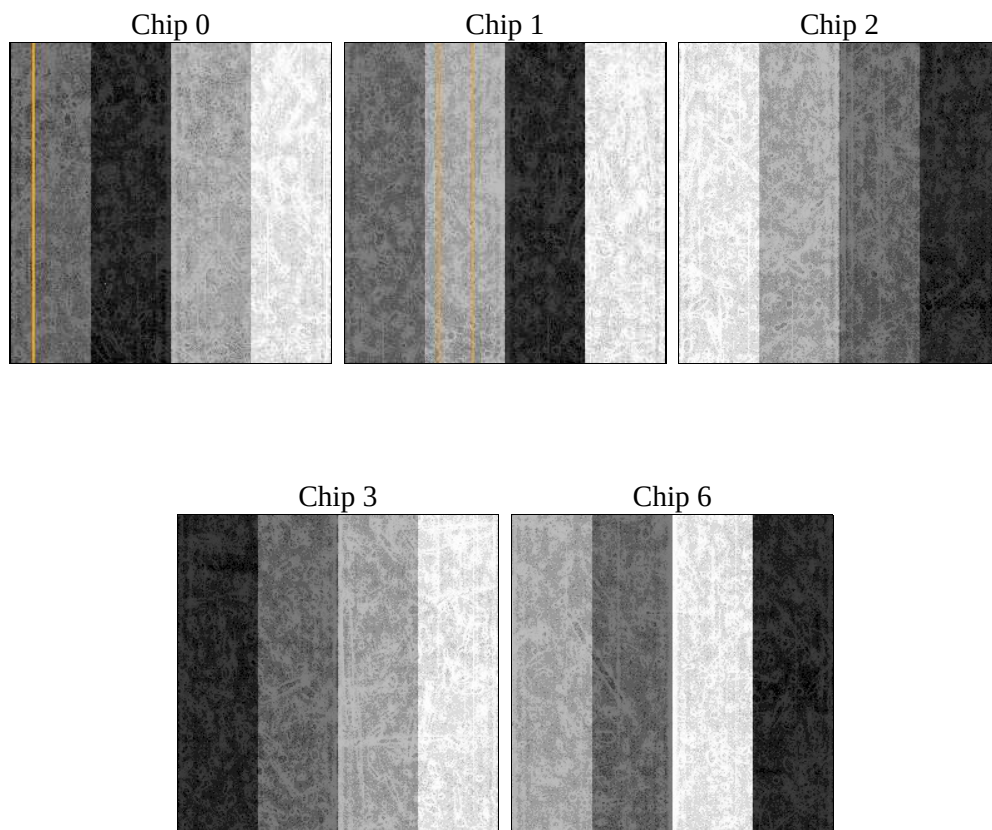
2 OBI

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	10.4.3.1	Processing system revision	ontime	20075.600154519	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	20075.600154519	Sum of GTIs [s]
date	2016-02-01T01:36:28	Date and time of file creation	ontime1	20069.317993999	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	20075.600154519	Sum of GTIs [s]
			ontime3	20075.600154519	Sum of GTIs [s]
			ontime6	20075.600154519	Sum of GTIs [s]
			l1events	621113	Number of level 1 events

2.1.4 Events

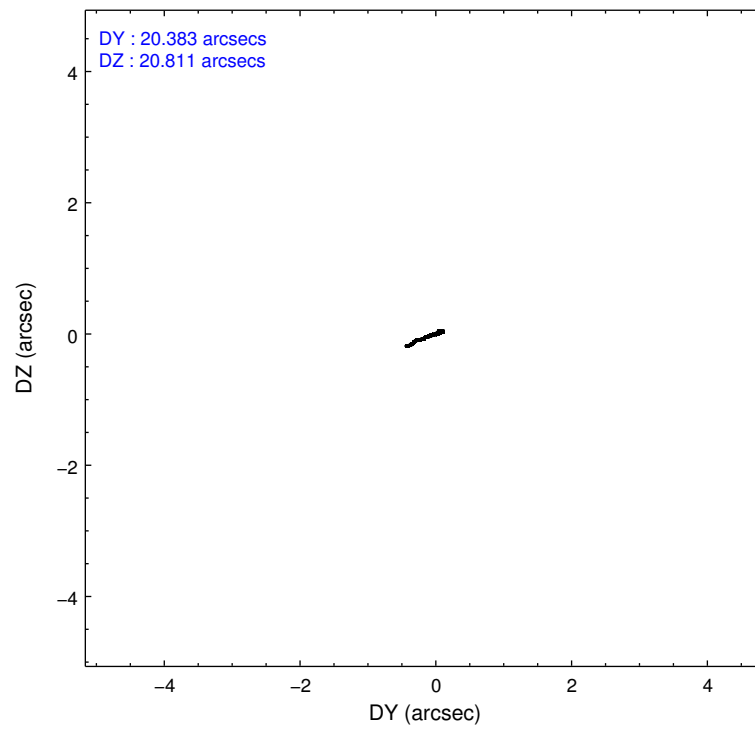
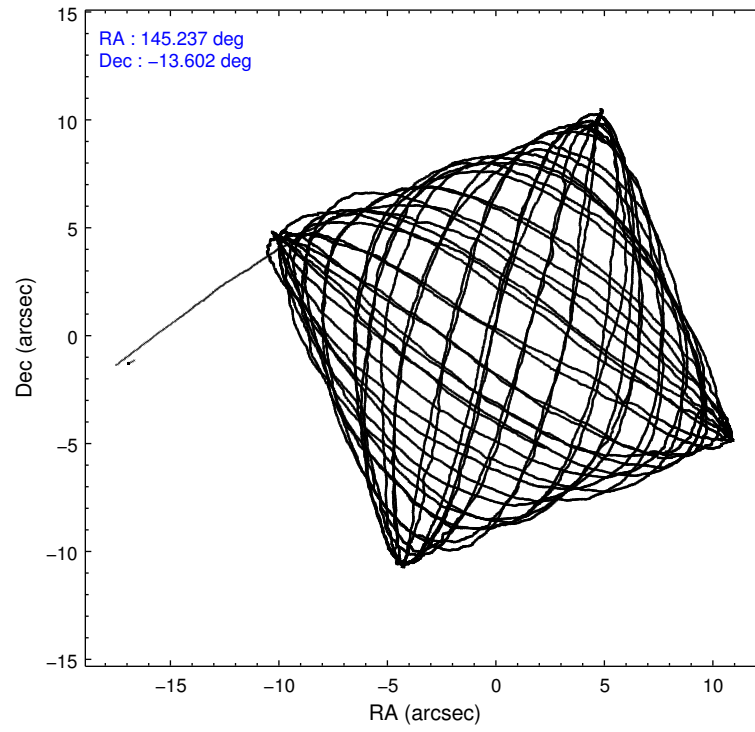
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	114792	121567	131059	126743	126952
rejected events	101061	104071	117198	113411	112944
rejected %	88%	85%	89%	89%	88%

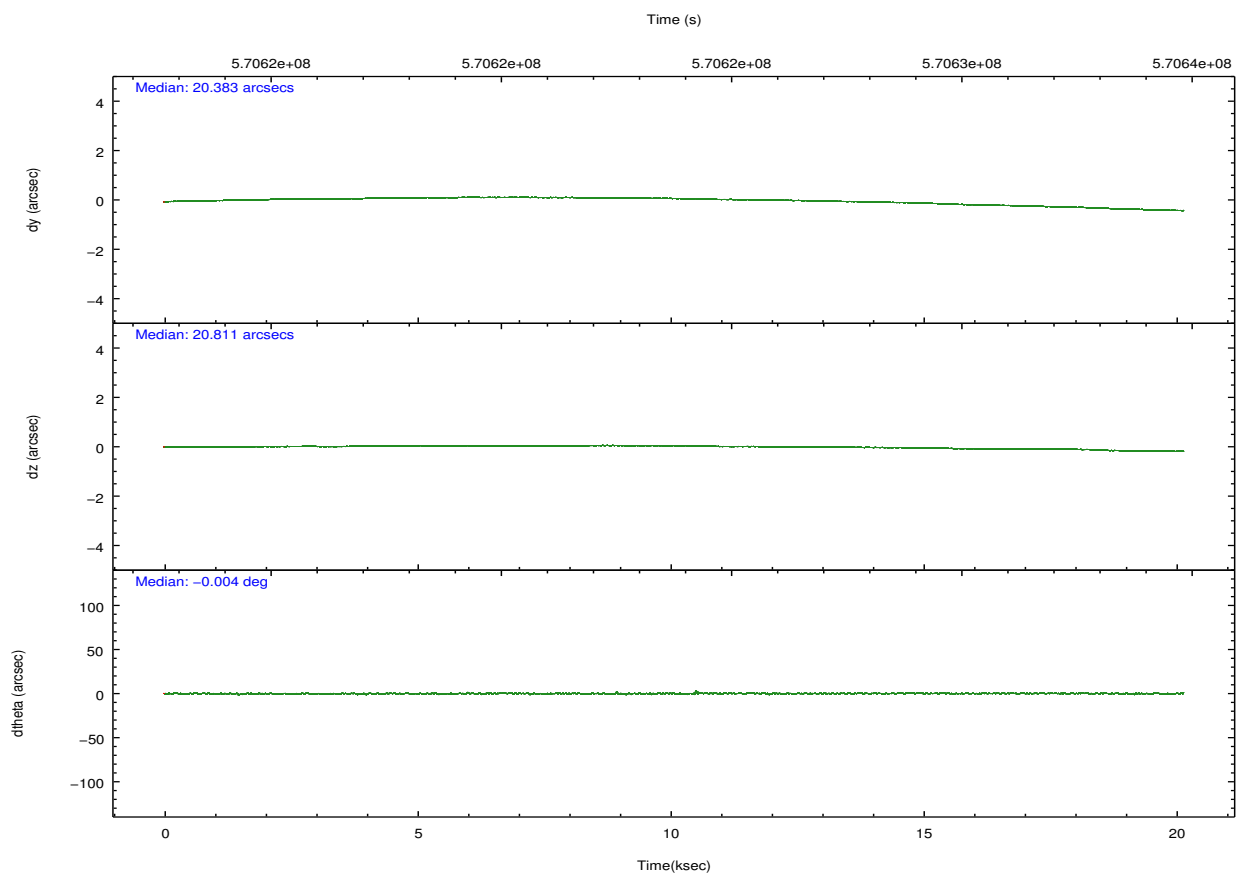
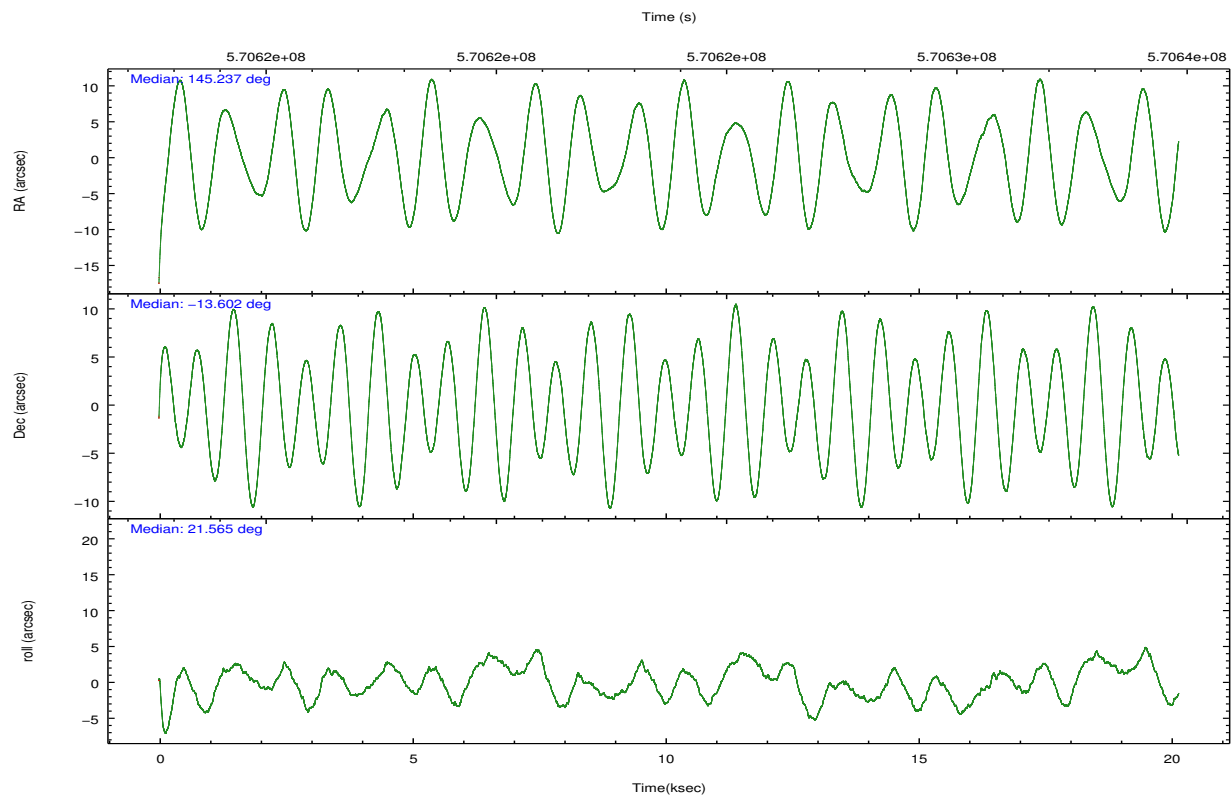
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4601	7460	5042	4628	4593
	4%	6%	3%	3%	3%
grade 1 events	62	75	75	69	68
	0%	0%	0%	0%	0%
grade 2 events	3356	3726	3300	2926	3259
	2%	3%	2%	2%	2%
grade 3 events	1424	1443	1401	1416	1366
	1%	1%	1%	1%	1%
grade 4 events	1339	1392	1461	1411	1326
	1%	1%	1%	1%	1%
grade 5 events	5300	5551	5145	6157	5857
	4%	4%	3%	4%	4%
grade 6 events	3013	3477	2660	2955	3464
	2%	2%	2%	2%	2%
grade 7 events	95697	98443	111975	107181	107019
	83%	80%	85%	84%	84%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	145.219942	145.2374929668053	CCD I2 on	Y	Y
[deg] Pointing Dec	-13.623781	-13.60208192869421	CCD I3 on	Y	Y
[deg] Pointing Roll	21.359449	21.57228016485454	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	570613824.184000	570612397.3010499	CCD S5 on	N	N
Observation start date	2016-01-31T07:49:16	2016-01-31T07:26:37	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	570633824.184000	570634694.12731	On-chip summing requested	N	N
Observation end date	2016-01-31T13:22:36	2016-01-31T13:38:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



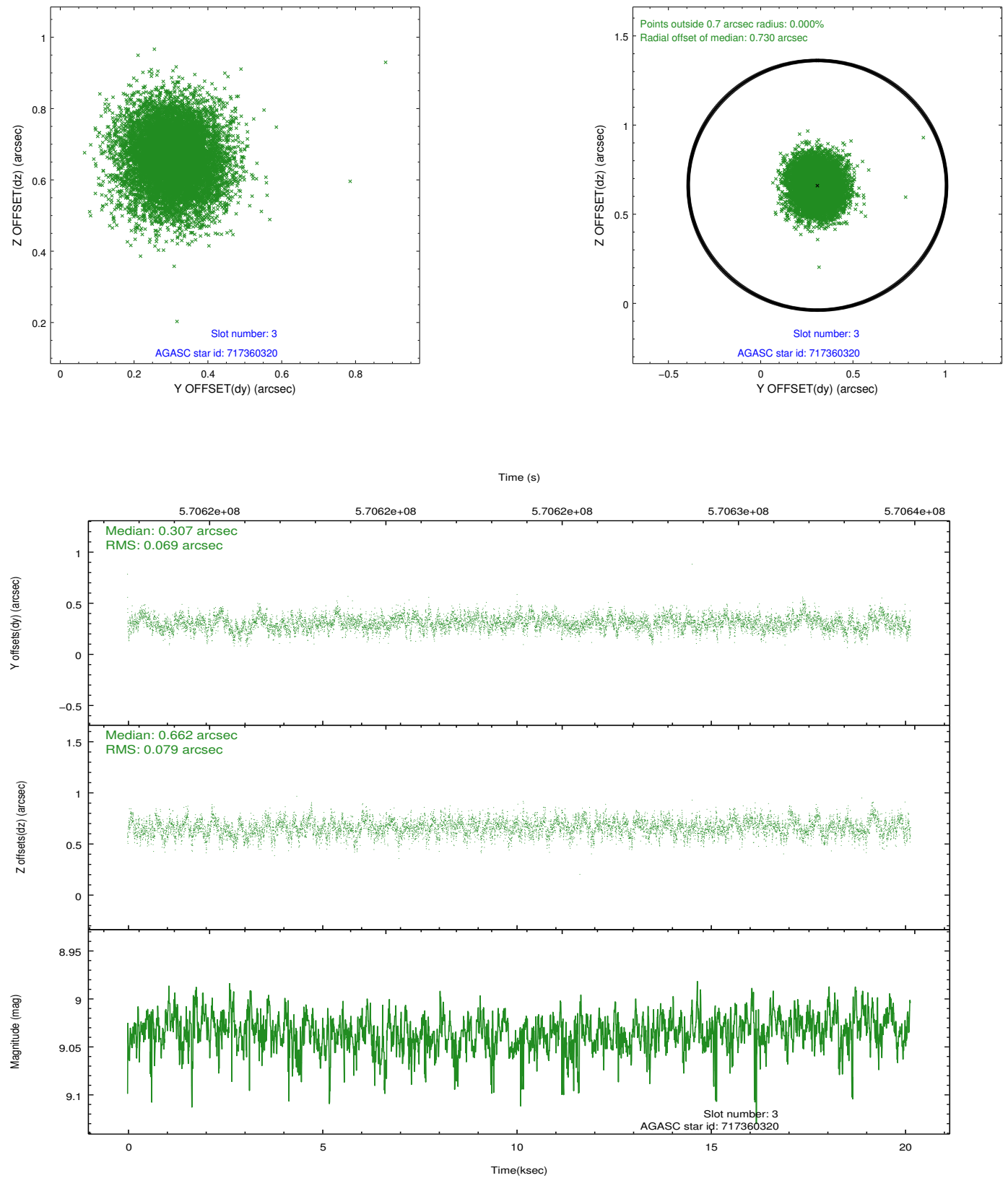


Slot Statistics

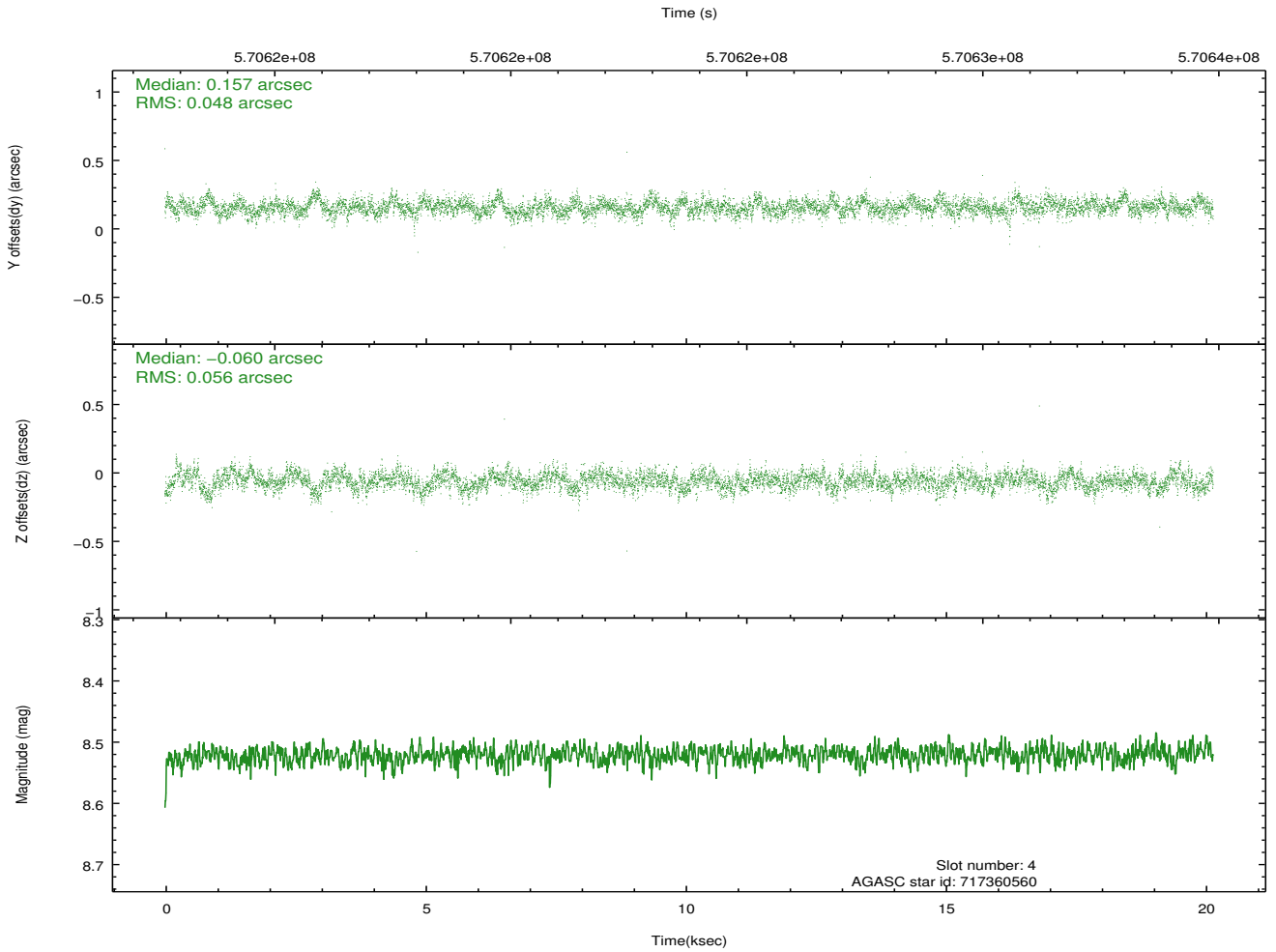
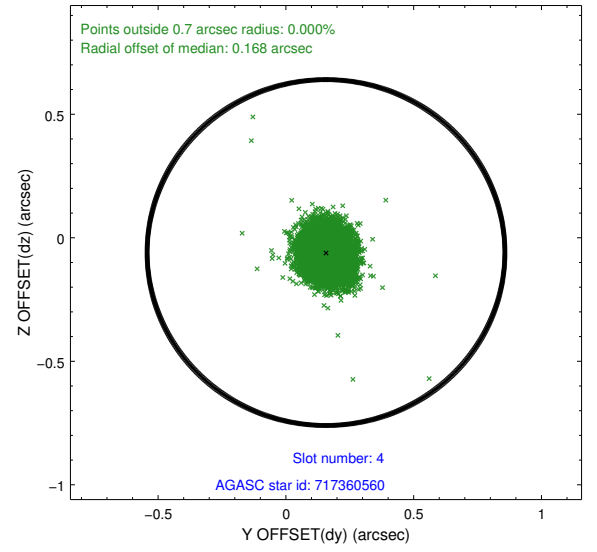
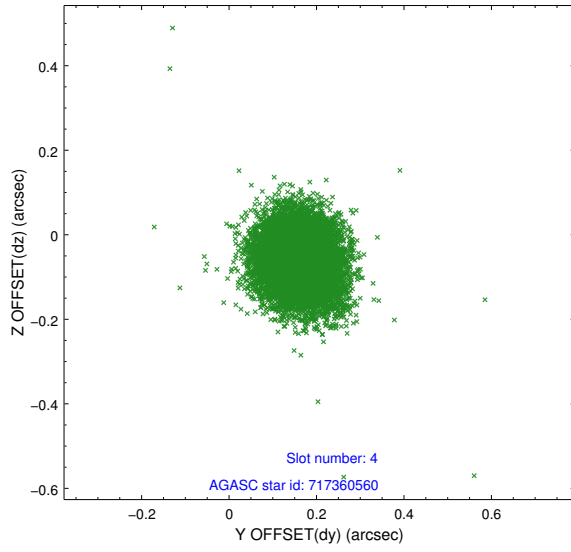
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.26	4912	0.096	-0.078	0.008	0.014	0.000000	0.000000	919.11	-844.59
1	FID		ACIS-I-5	7.26	4914	-0.394	0.040	0.007	0.012	0.000000	0.000000	-1829.46	1052.83
2	FID		ACIS-I-6	7.27	4915	0.206	0.109	0.007	0.011	0.000000	0.000000	384.47	1697.69
3	GUIDE	used	717360320	9.03	9824	0.307	0.662	0.112	0.183	144.896261	-14.393037	-2061.13	-2168.88
4	GUIDE	used	717360560	8.52	9822	0.157	-0.060	0.077	0.128	145.058293	-14.078061	-1120.88	-1317.98
5	GUIDE	used	719068024	7.75	9832	-0.079	-0.024	0.078	0.130	145.876734	-13.695740	2044.35	-1081.39
6	GUIDE	used	719068736	8.39	9827	-0.084	0.044	0.089	0.143	145.771829	-13.899196	1434.84	-1627.74
7	GUIDE	used	716835320	7.24	9830	-0.303	-0.619	0.099	0.153	145.011626	-12.997309	139.08	2366.14

2.4 Star Slots

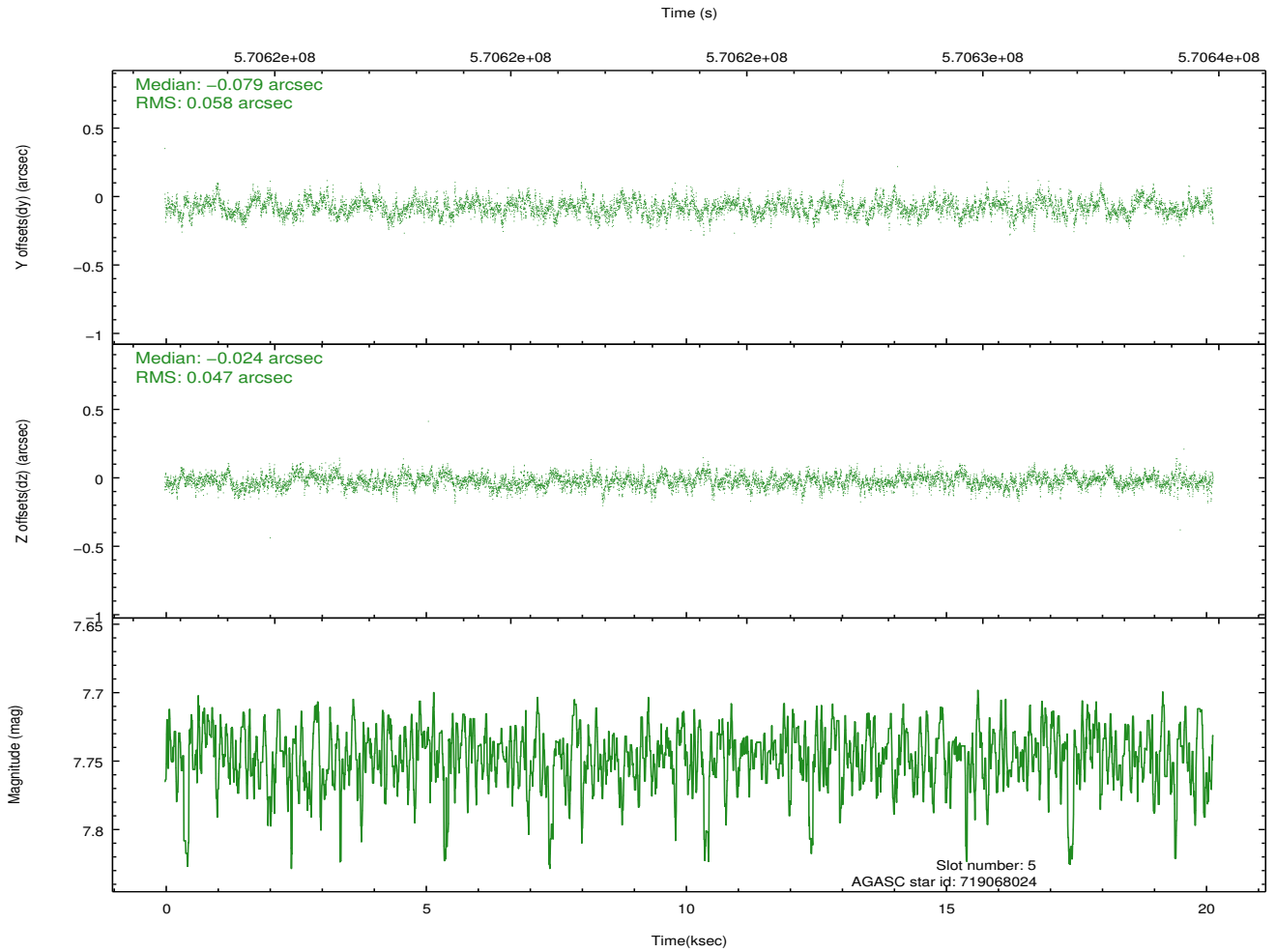
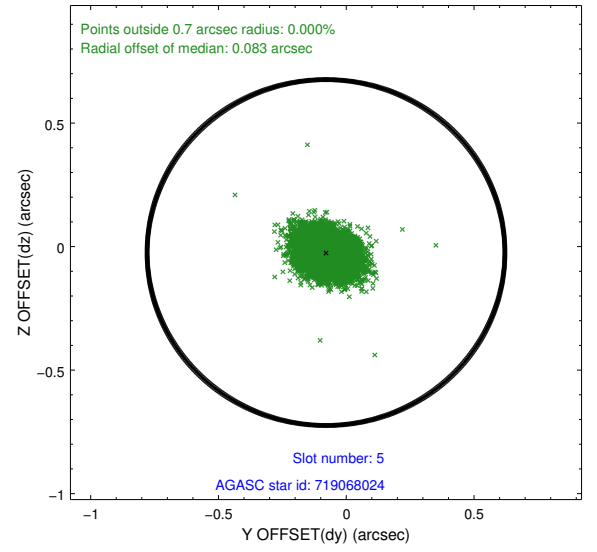
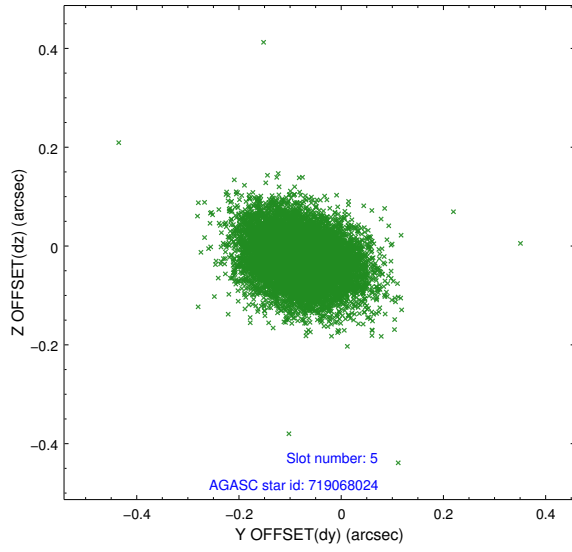
2.4.1 Slot 3



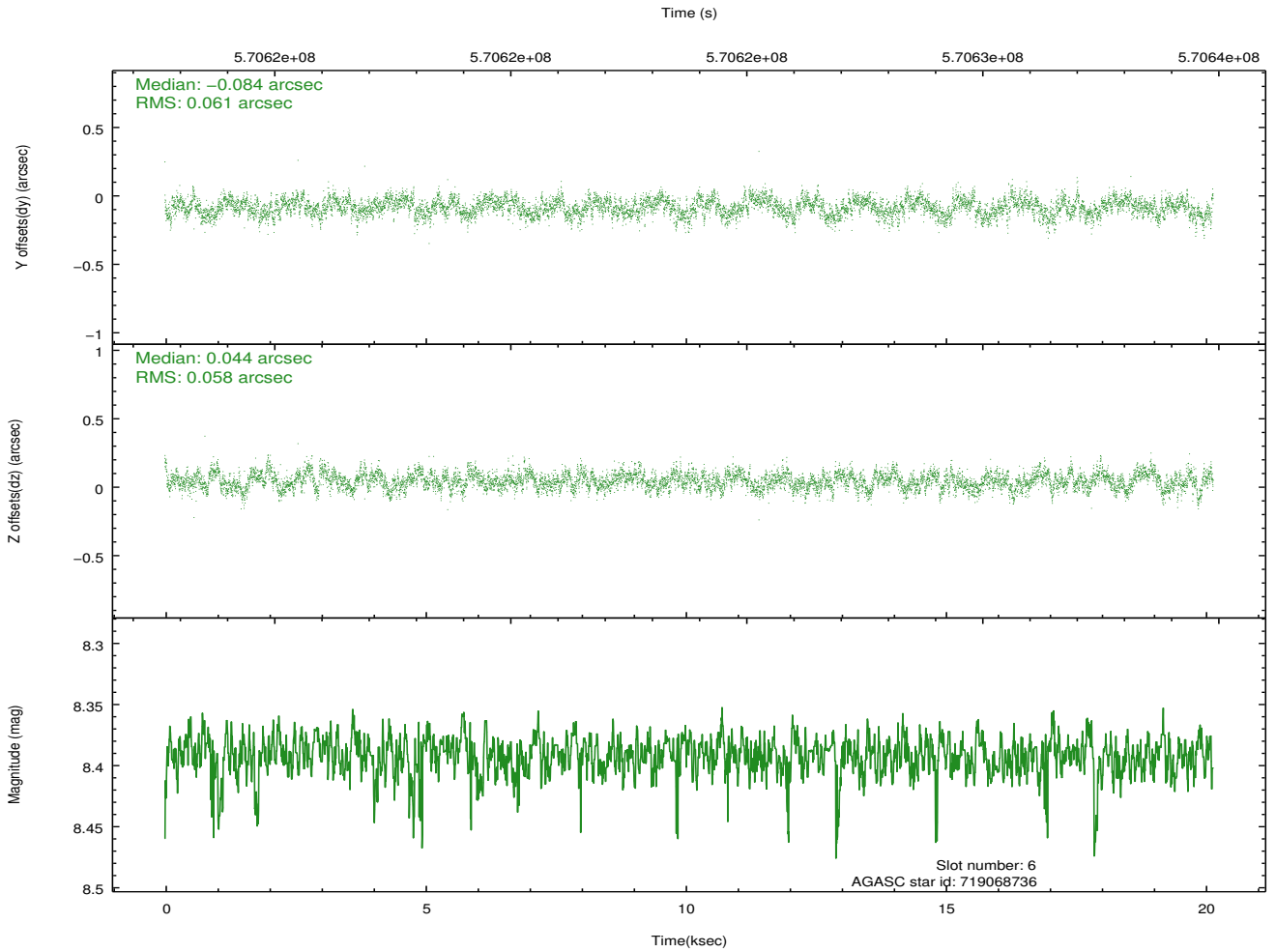
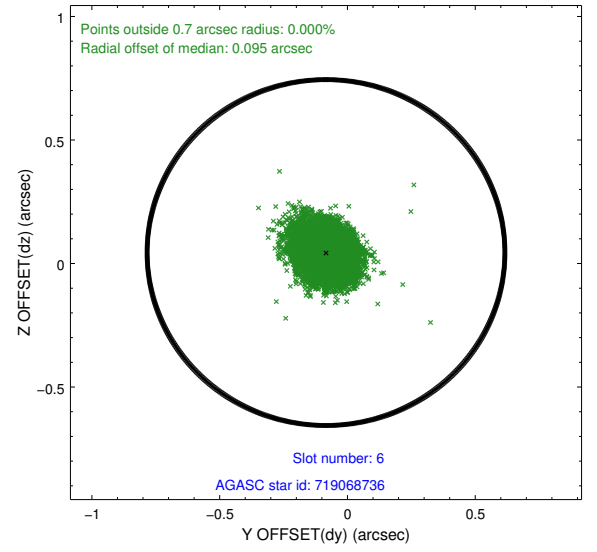
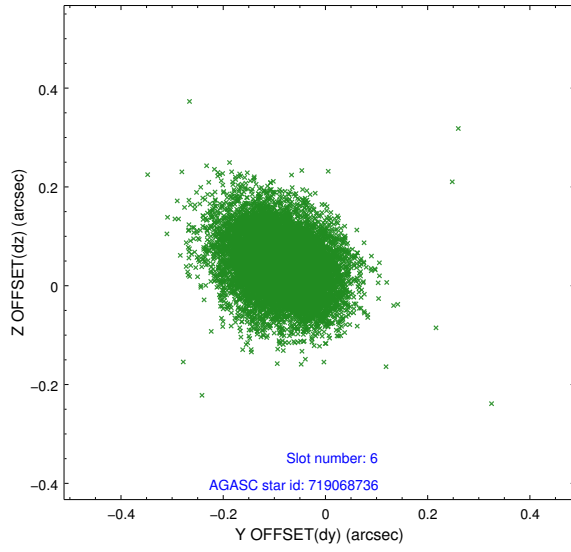
2.4.2 Slot 4



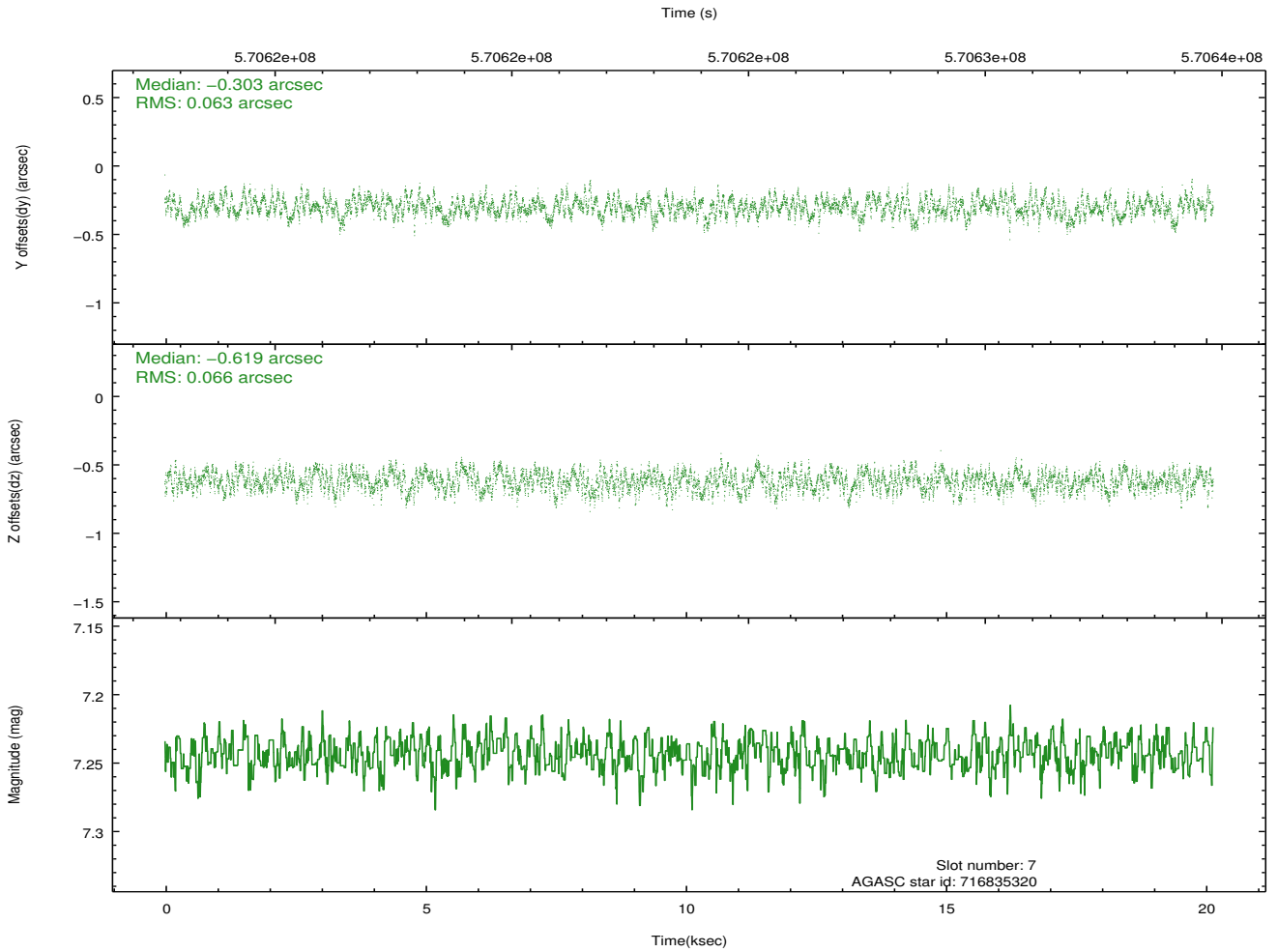
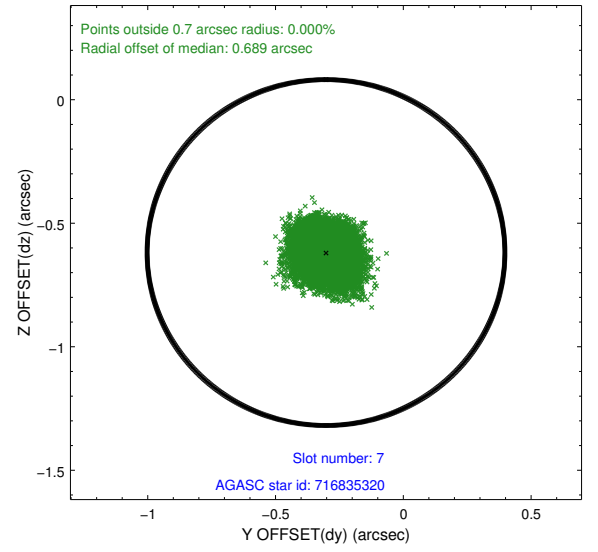
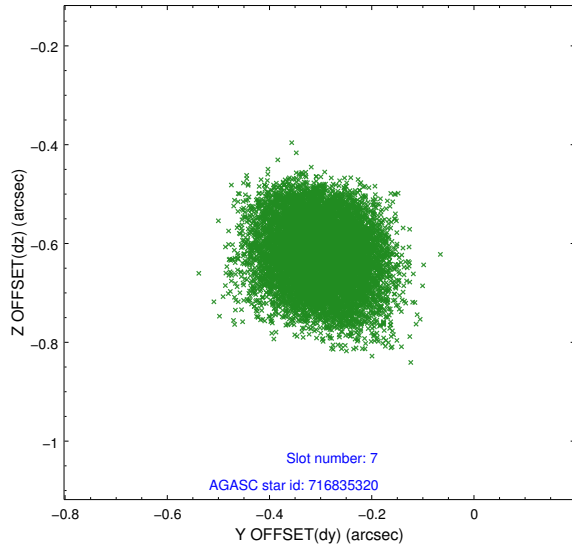
2.4.3 Slot 5



2.4.4 Slot 6

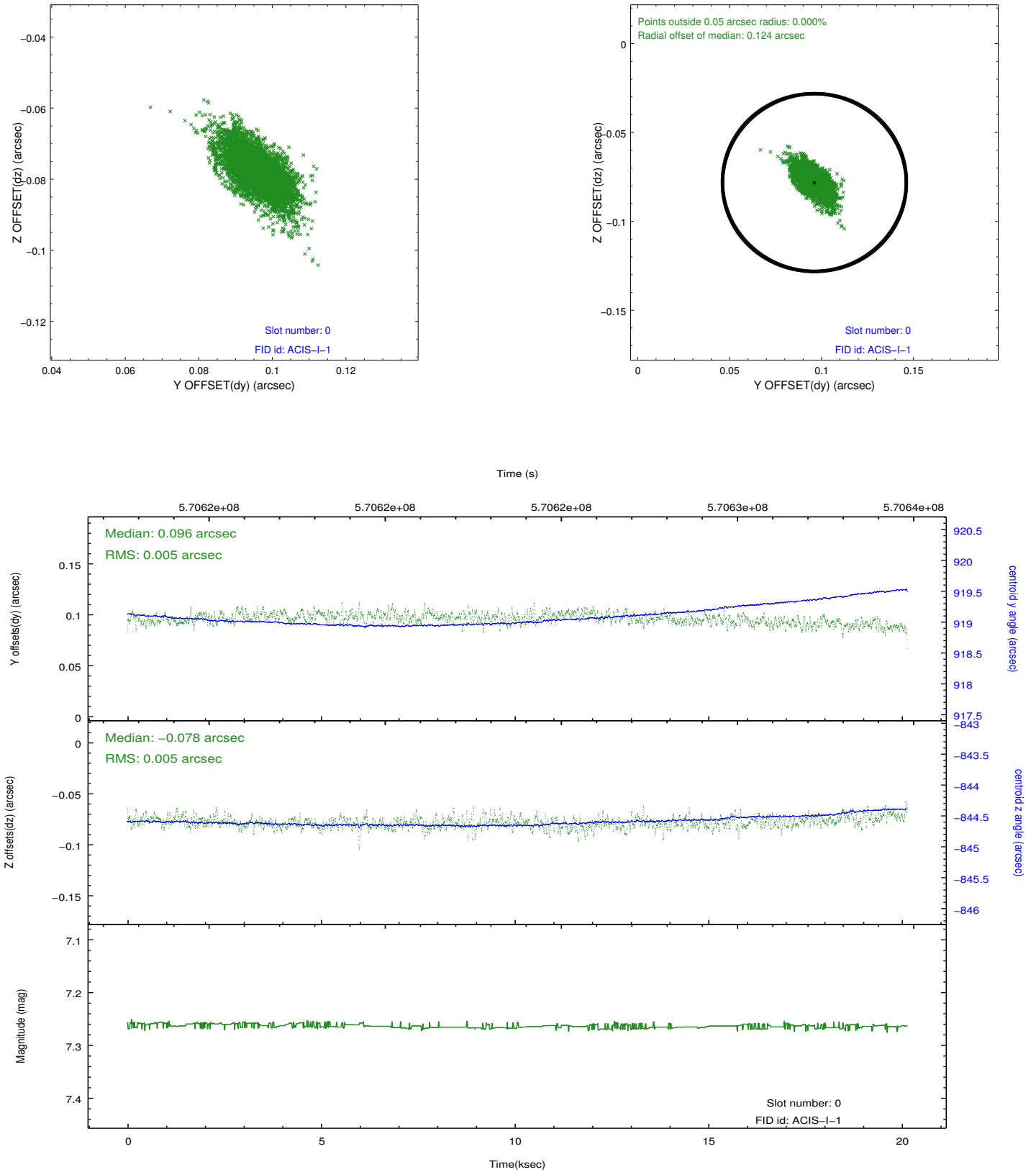


2.4.5 Slot 7

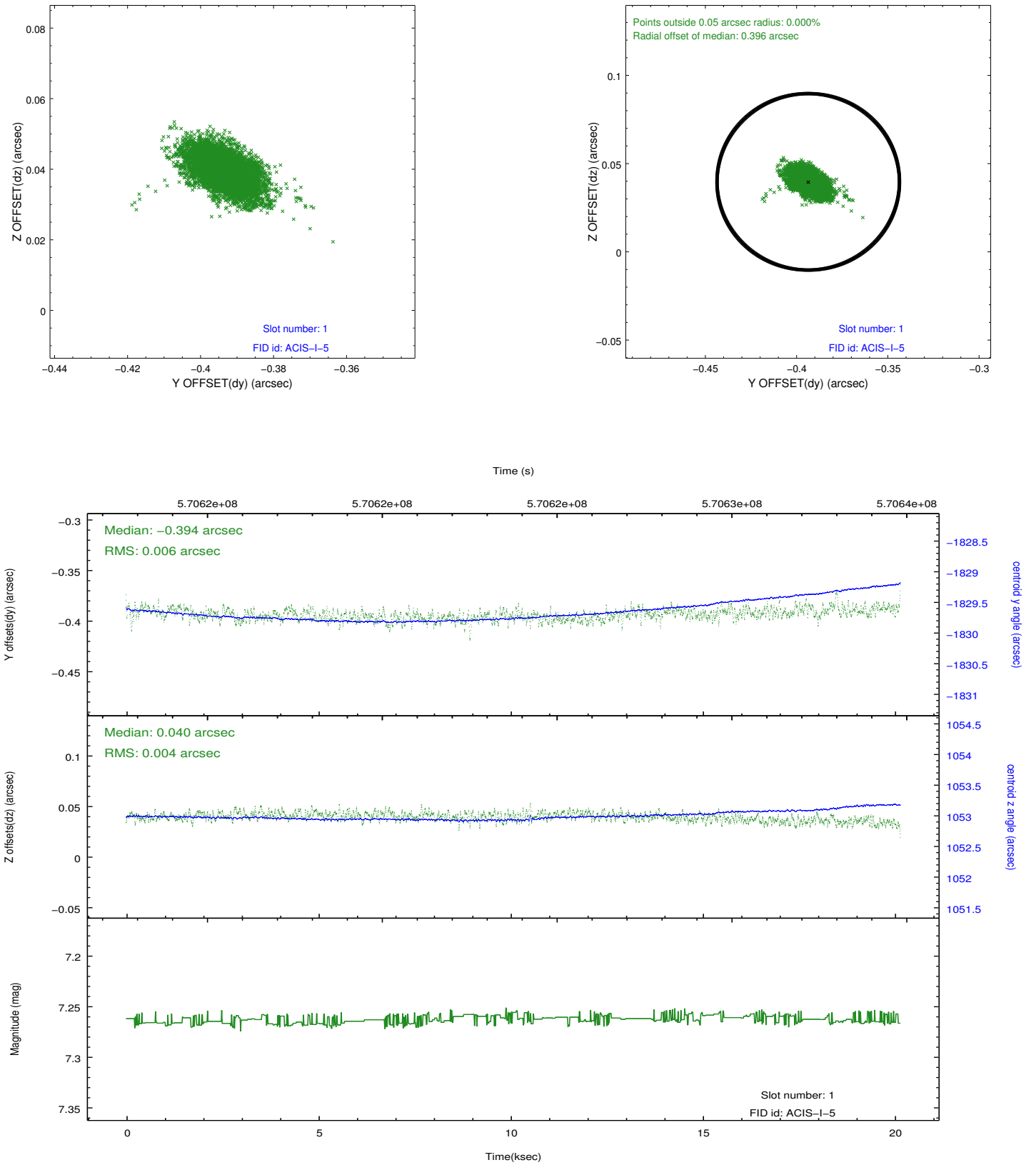


2.5 FID Slots

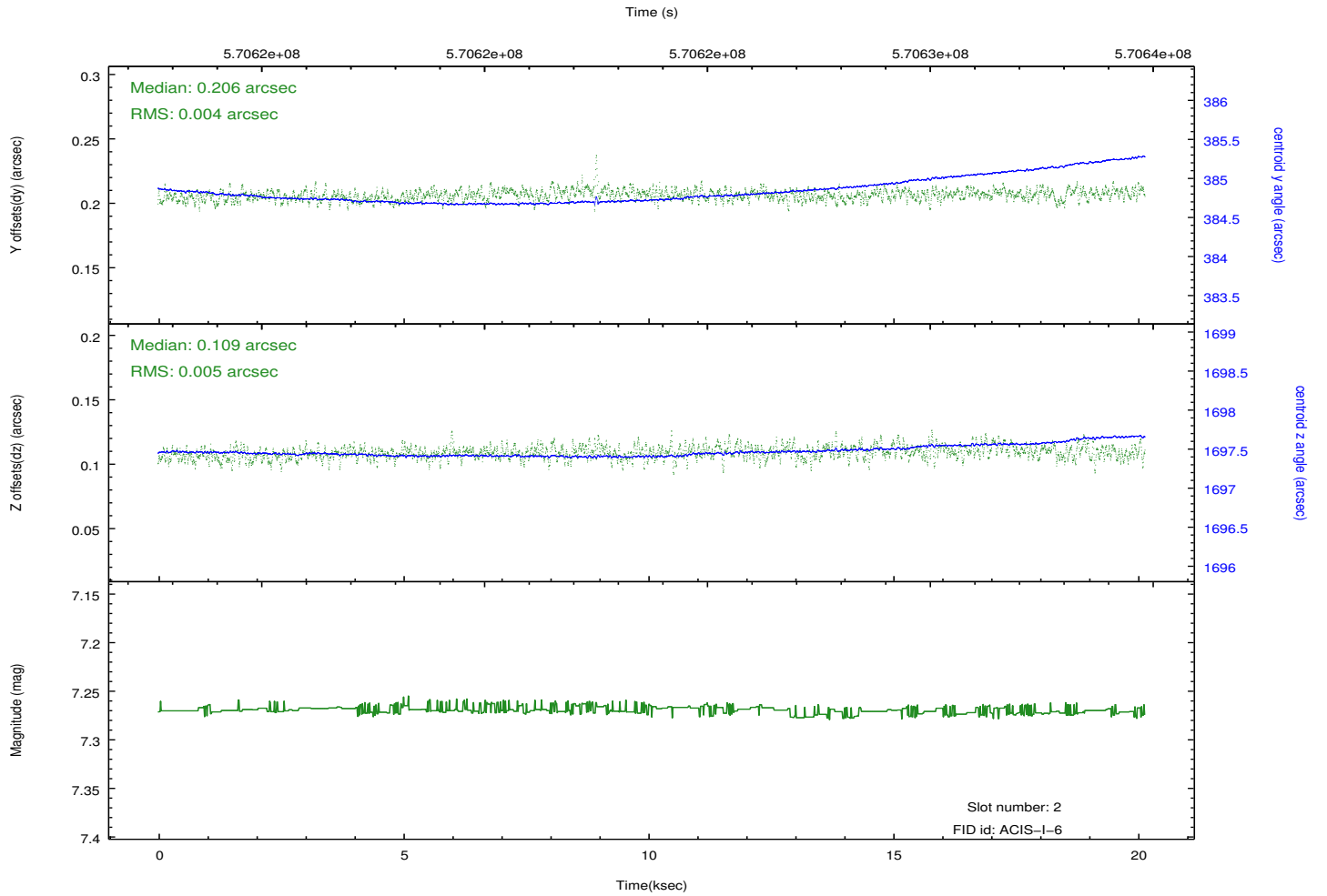
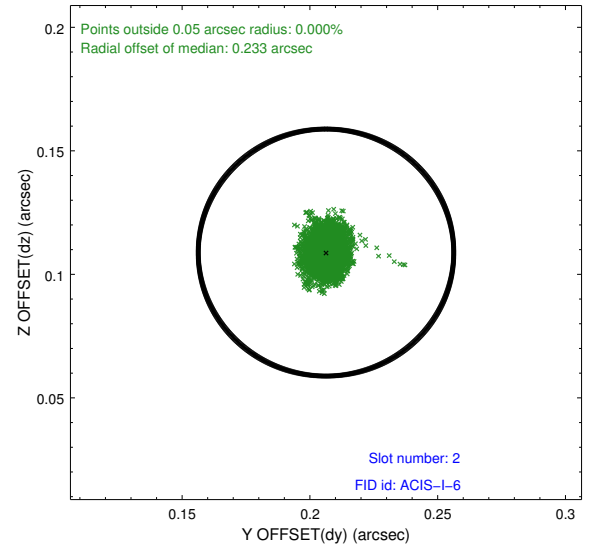
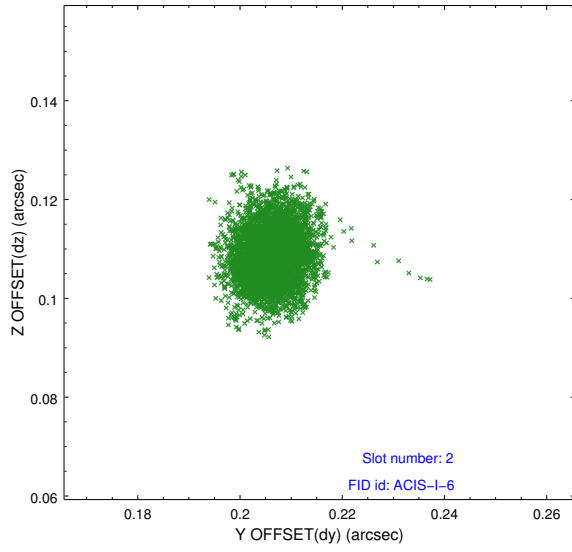
2.5.1 Slot 0



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)	2016.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.075600154519

A.2 Comments