

V&V Reference Report

L2 ASCDS Version : 10.6.4

Observation 20772 - L2 Version 1
Chandra X-Ray Center

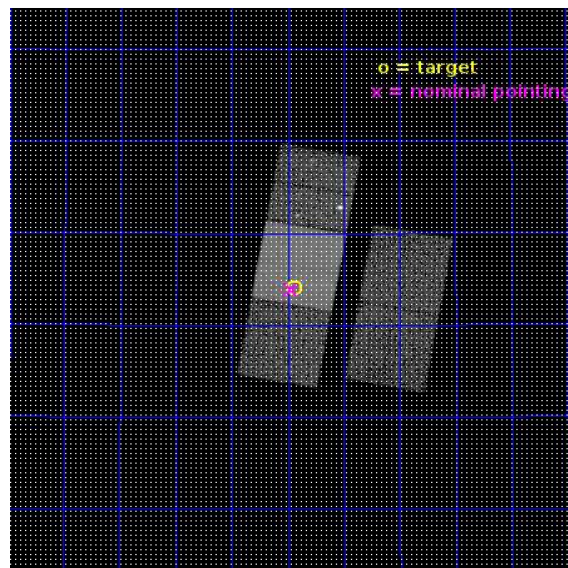
L2 Processing Date : Aug 15 2018

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1 Front

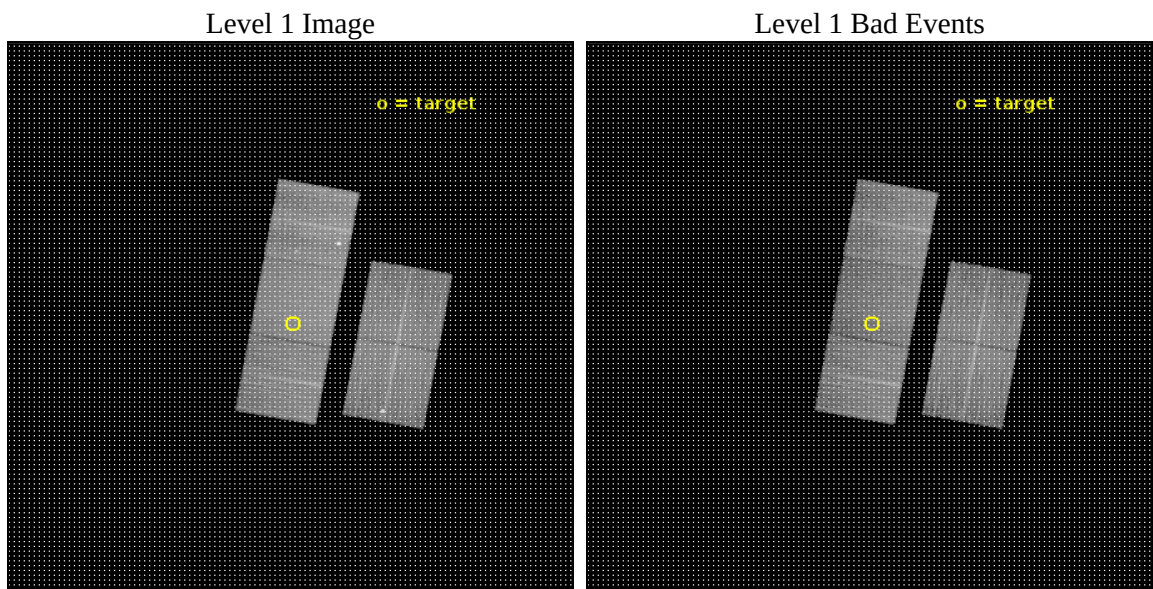
seq_num	703637	Sequence number
obs_id	20772	Observation id
title	A Chandra Survey of Nearby Optical AGN Candidates in Dwarf Galaxies	
observer	Ralph Kraft	Principal investigator
object	NGC 5112	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	200.485	Observer's specified target RA [deg]
dec_targ	38.734694	Observer's specified target Dec [deg]
ra_nom	200.49221551237	Nominal RA [deg]
dec_nom	38.730804396869	Nominal Dec [deg]
roll_nom	280.24141548422	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15053.600115895	Sum of GTIs [s]
livetime	14856.913748082	Livetime [s]
ontime2	15053.600115895	Sum of GTIs [s]
ontime3	15047.318015575	Sum of GTIs [s]
ontime6	15053.600115895	Sum of GTIs [s]
ontime7	15053.600115895	Sum of GTIs [s]
ontime8	15050.459085703	Sum of GTIs [s]
l2events	112562	Number of level 2 events



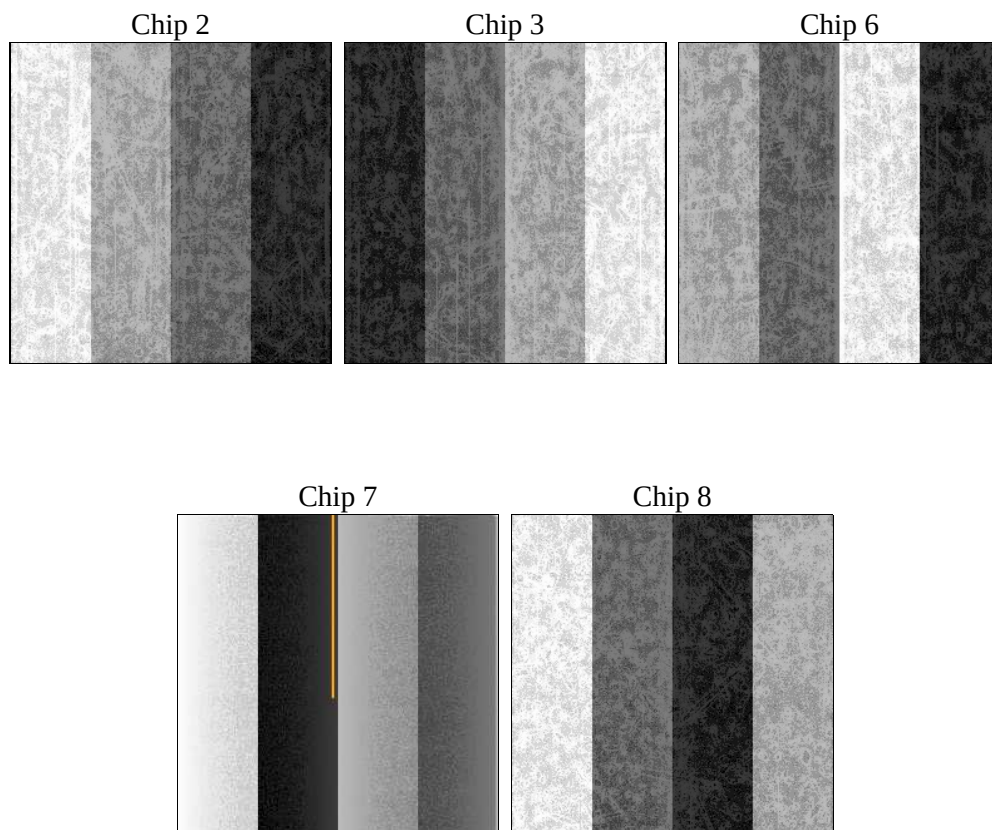
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.6.4	Processing system revision	ontime	15053.600115895	Sum of GTIs [s]
caldsver	4.7.8	 	ontime2	15053.600115895	Sum of GTIs [s]
date	2018-08-15T07:34:53	Date and time of file creation	ontime3	15047.318015575	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	15053.600115895	Sum of GTIs [s]
			ontime7	15053.600115895	Sum of GTIs [s]
			ontime8	15050.459085703	Sum of GTIs [s]
			l1events	663030	Number of level 1 events

2.1.4 Events

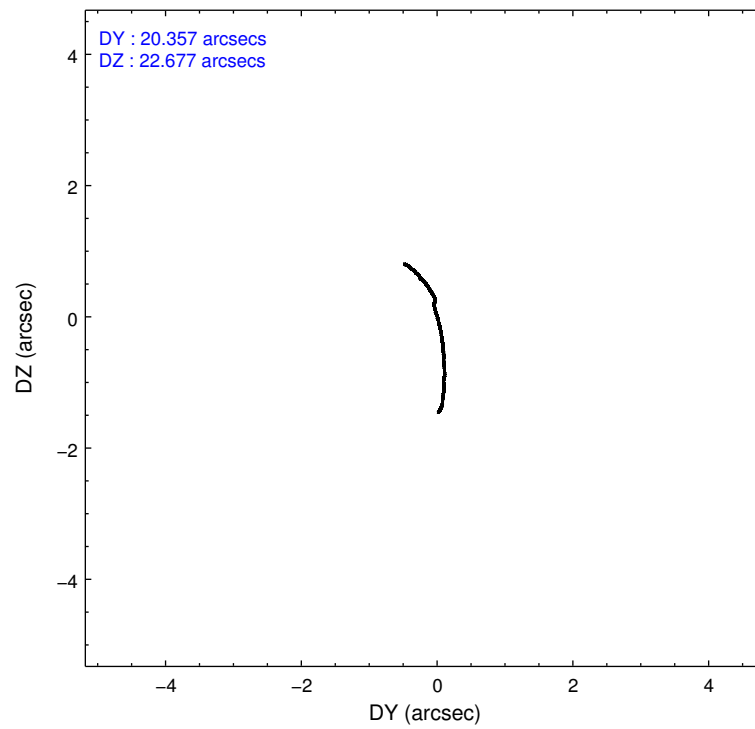
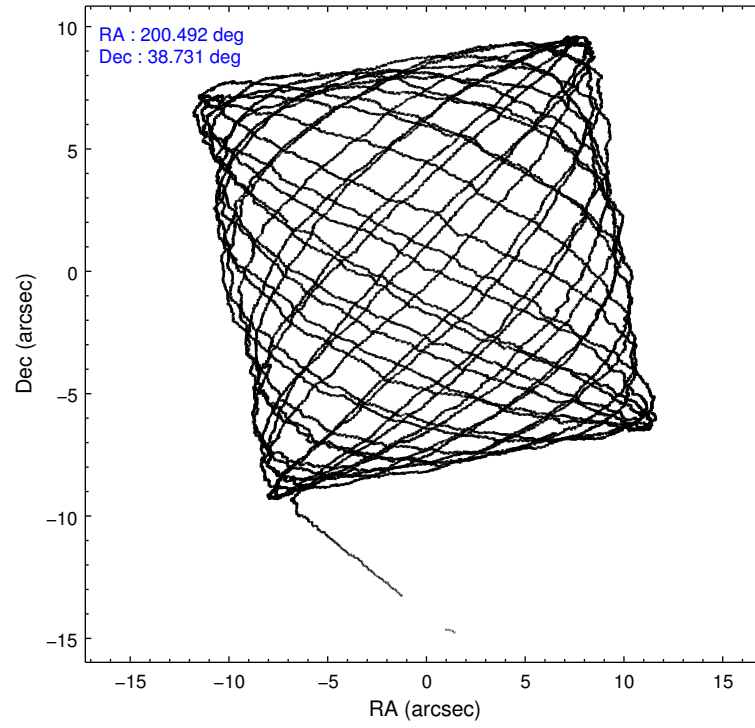
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	122723	111673	121352	146470	160812
rejected events	106469	100137	108548	83643	115071
rejected %	86%	89%	89%	57%	71%

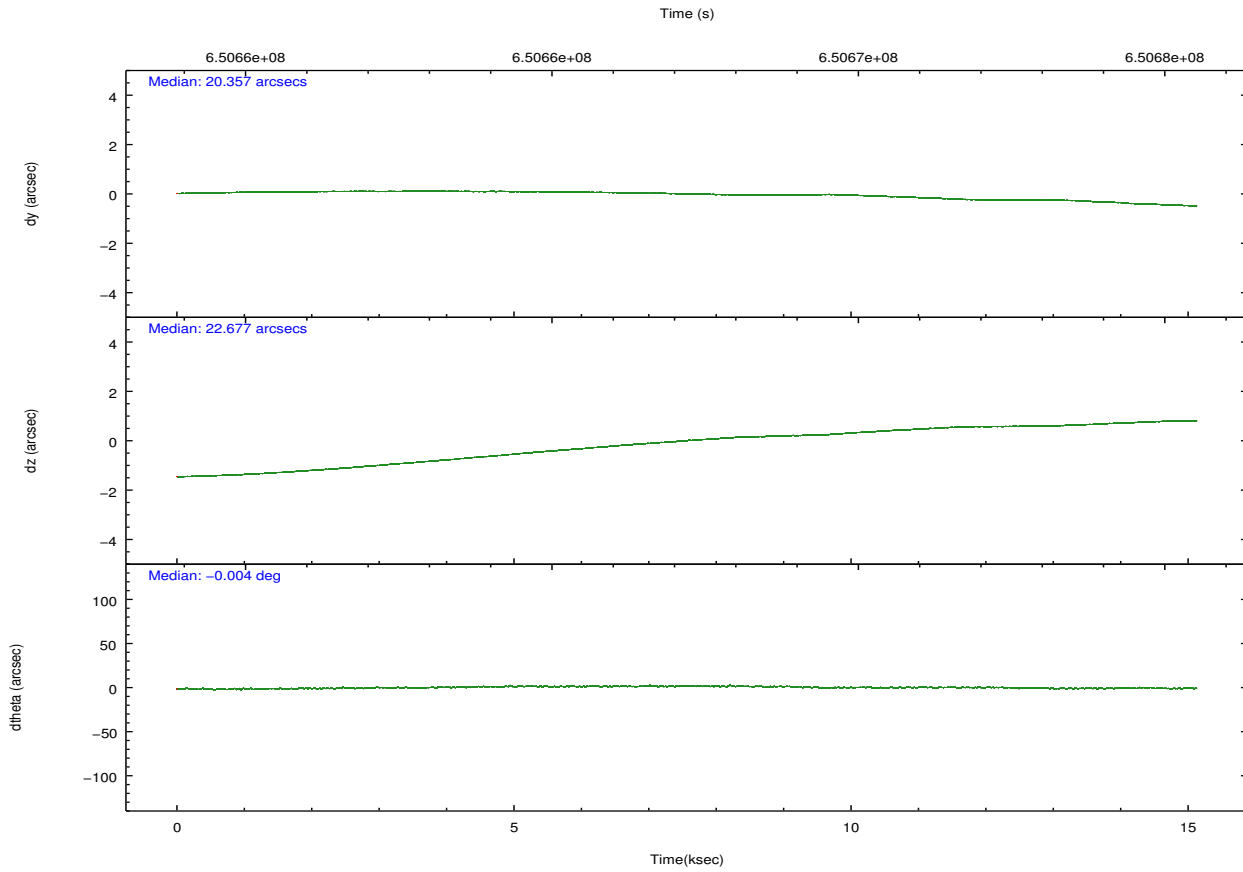
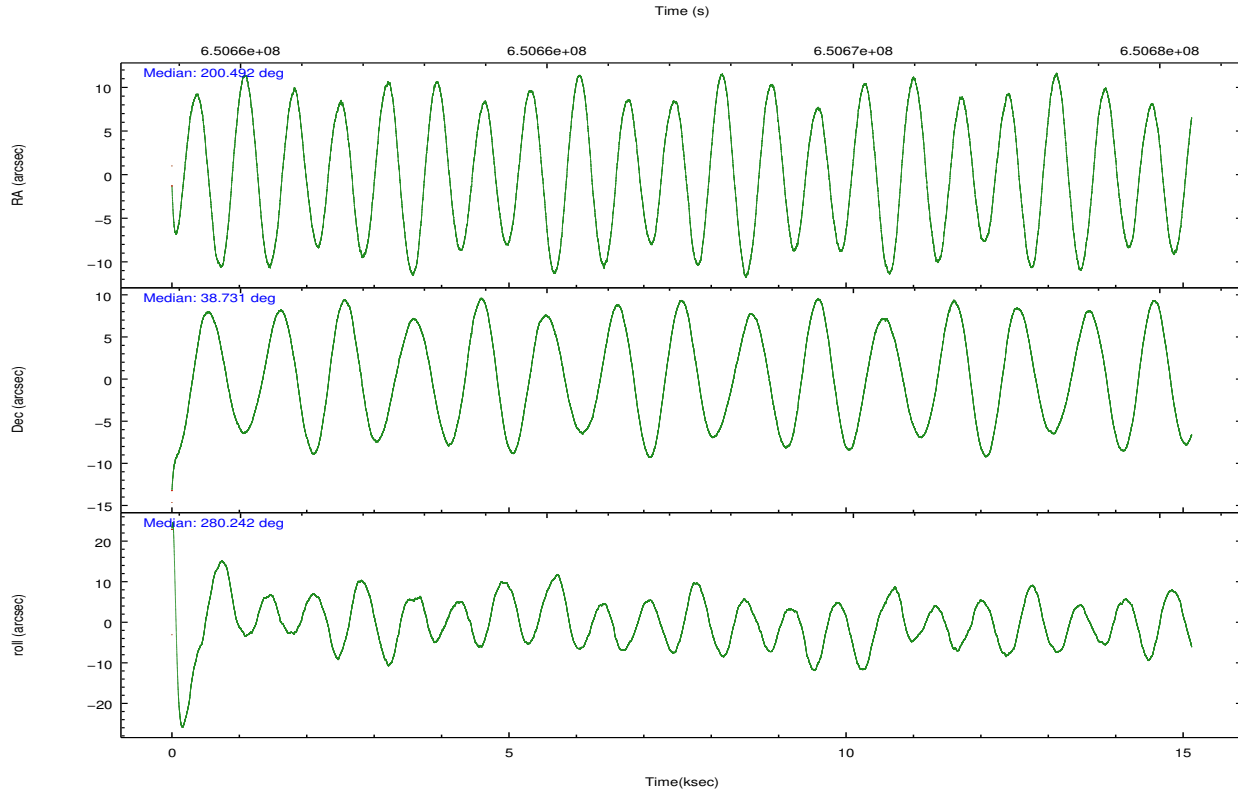
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	8673	4056	3776	5360	16911
	7%	3%	3%	3%	10%
grade 1 events	88	57	42	251	159
	0%	0%	0%	0%	0%
grade 2 events	2734	2525	3430	12865	10202
	2%	2%	2%	8%	6%
grade 3 events	1231	1217	1093	4858	4004
	1%	1%	0%	3%	2%
grade 4 events	1207	1177	1116	4920	3776
	0%	1%	0%	3%	2%
grade 5 events	4151	5176	4823	14182	7844
	3%	4%	3%	9%	4%
grade 6 events	2417	2561	3392	34837	10854
	1%	2%	2%	23%	6%
grade 7 events	102222	94904	103680	69197	107062
	83%	84%	85%	47%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	200.469149	200.4922155123672	CCD I2 on	O1	Y
[deg] Pointing Dec	38.751541	38.7308043968692	CCD I3 on	Y	Y
[deg] Pointing Roll	280.099176	280.2414154842156	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	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	650659743.184000	650658590.96658	CCD S5 on	N	N
Observation start date	2018-08-14T18:47:54	2018-08-14T18:29:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	650674743.184000	650675629.03009	On-chip summing requested	N	N
Observation end date	2018-08-14T22:57:54	2018-08-14T23:13:49	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



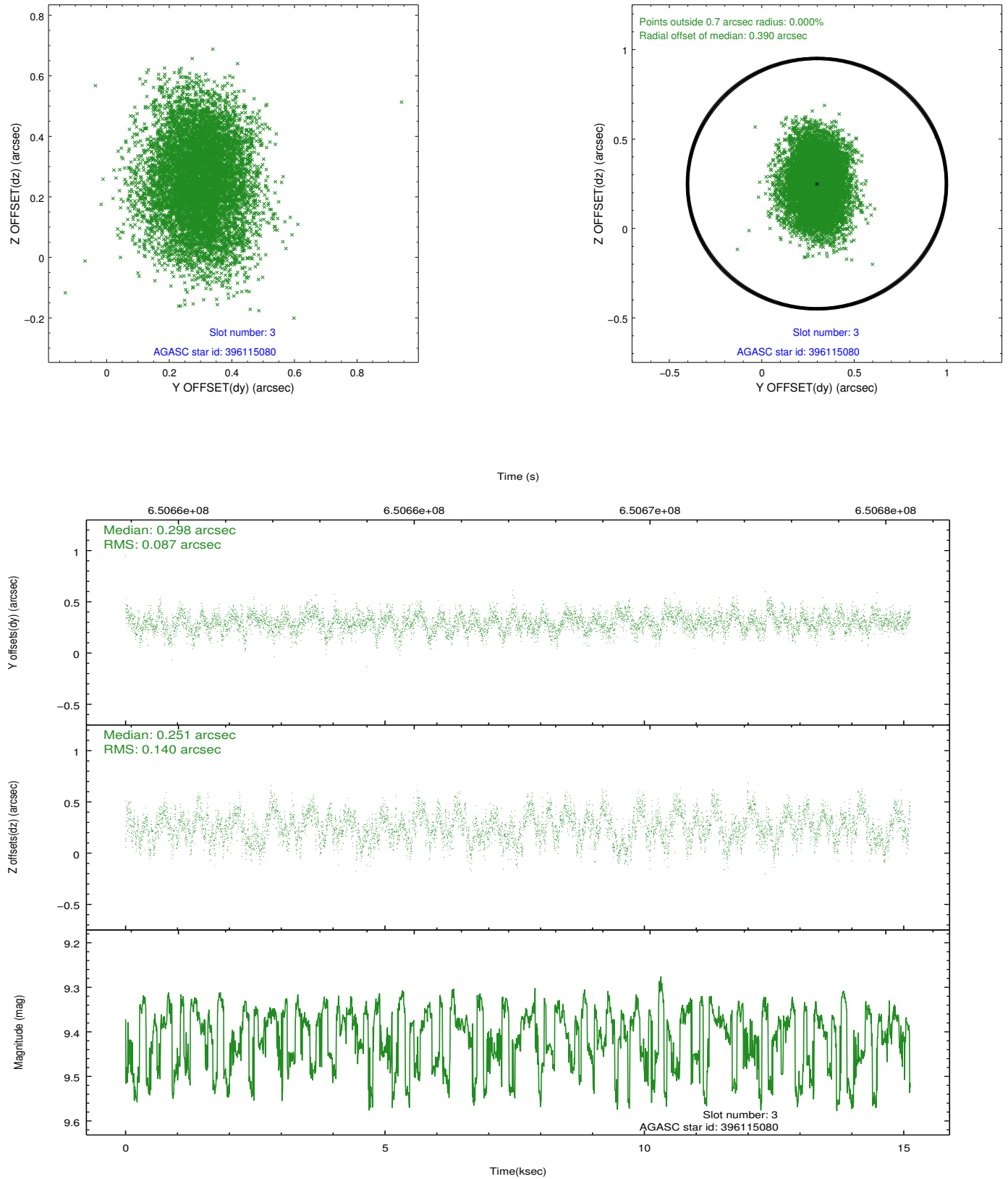


Slot Statistics

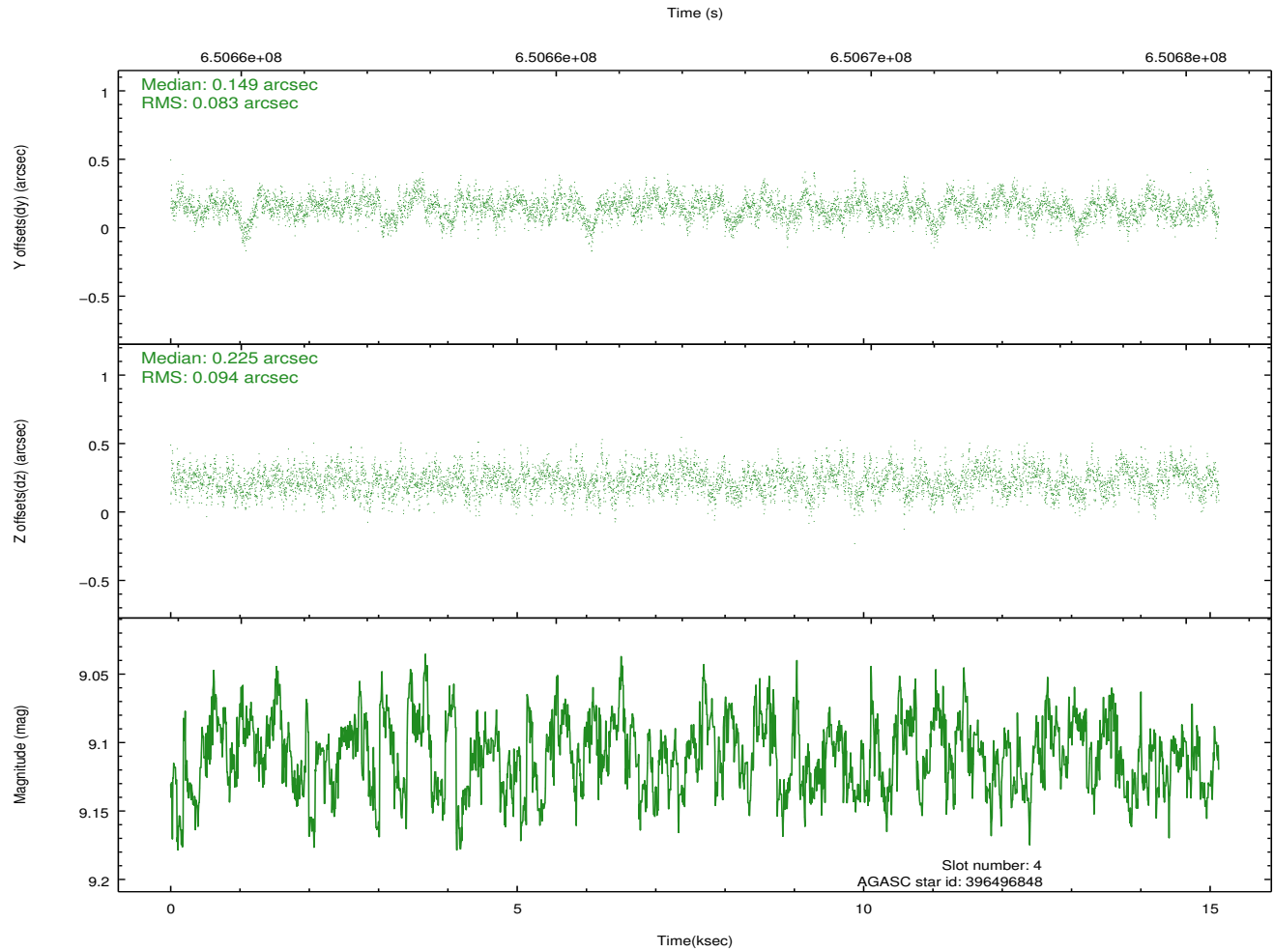
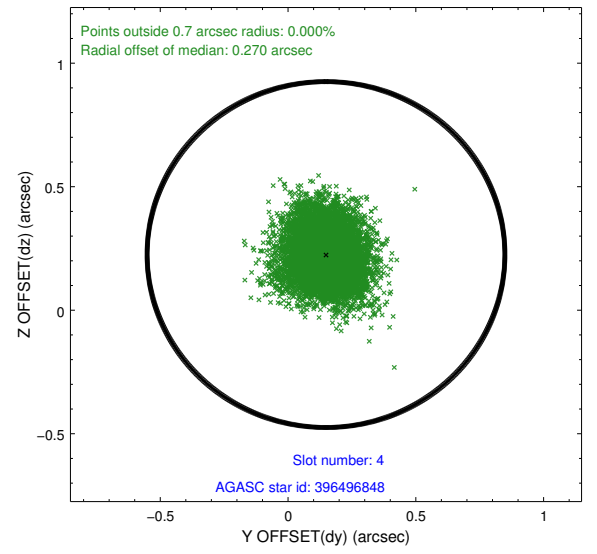
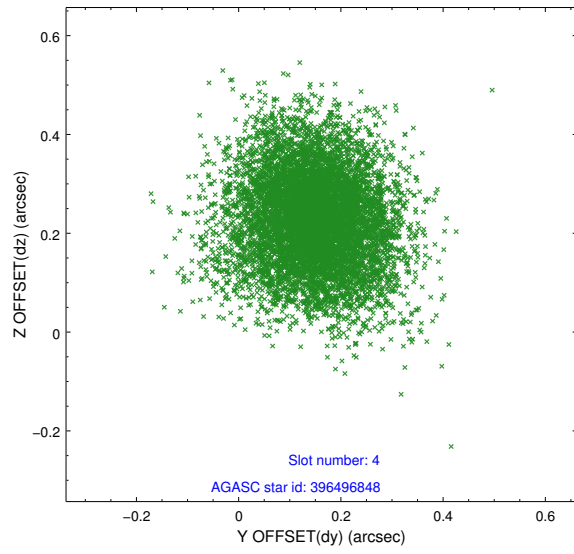
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.15	3690	1.000	-0.252	-0.182	0.015	0.026	0.000000	0.000000	-773.67	-1744
1	FID		ACIS-S-4	7.27	3690	1.000	0.549	0.170	0.008	0.016	0.000000	0.000000	2140.27	164
2	FID		ACIS-S-5	7.28	3689	1.000	-0.330	0.021	0.015	0.026	0.000000	0.000000	-1826.21	158
3	GUIDE	used	396115080	9.40	7366	1.000	0.298	0.251	0.177	0.284	199.961344	39.202321	-1849.51	-1109
4	GUIDE	used	396496848	9.11	7371	1.000	0.149	0.225	0.133	0.216	200.126899	38.672116	111.84	-995
5	GUIDE	used	396498416	8.96	7370	1.000	-0.157	-0.288	0.141	0.223	200.736291	38.359851	1520.05	495
6	GUIDE	used	396502384	9.01	7371	1.000	-0.343	-0.148	0.159	0.250	200.802675	38.692057	373.86	885
7	GUIDE	used	396493416	9.10	7372	1.000	0.054	-0.037	0.158	0.252	200.458957	39.381038	-2235.69	369

2.4 Star Slots

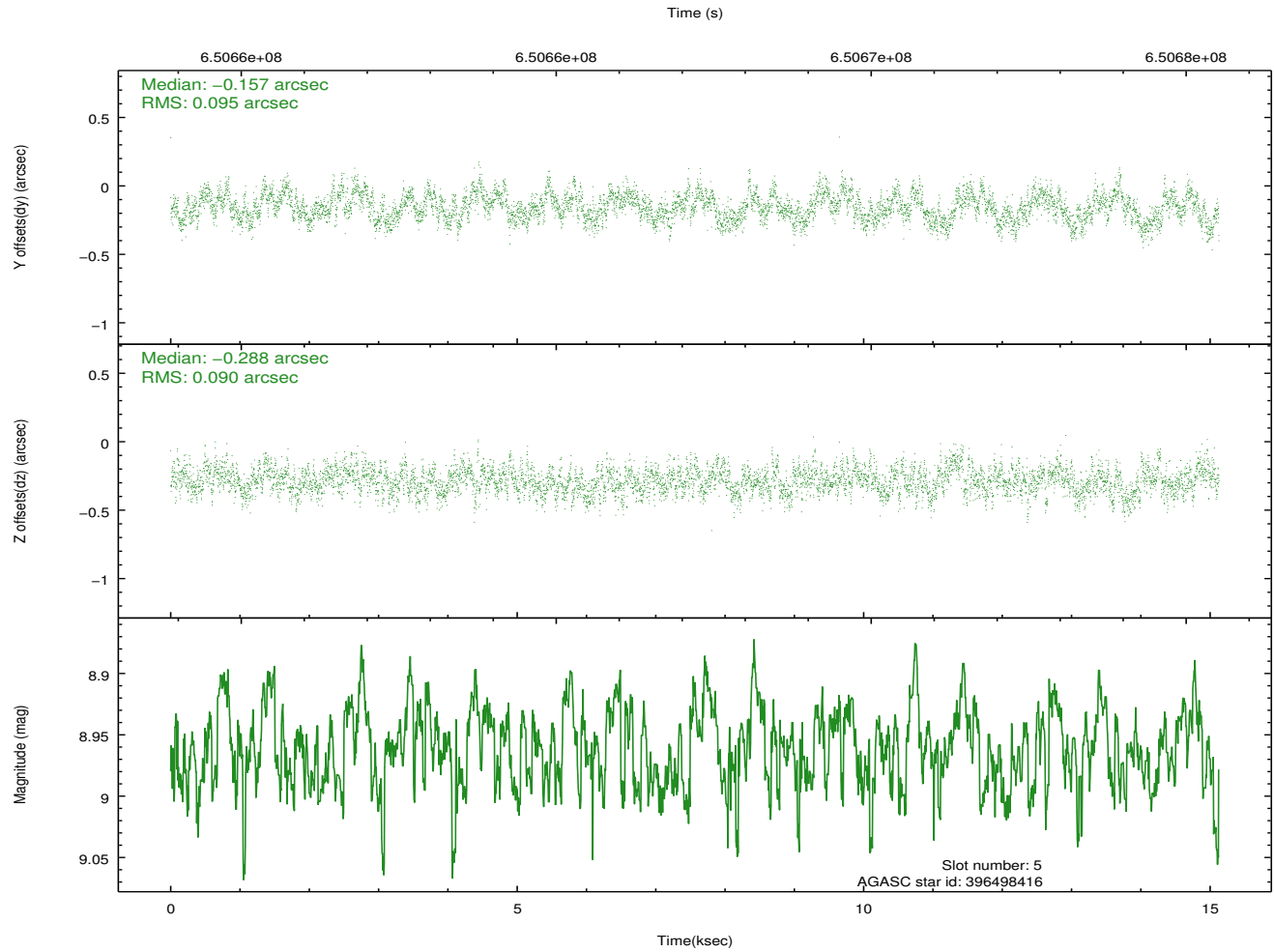
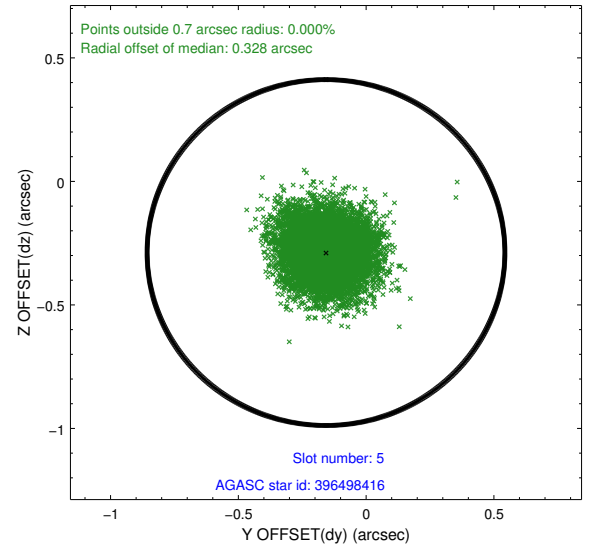
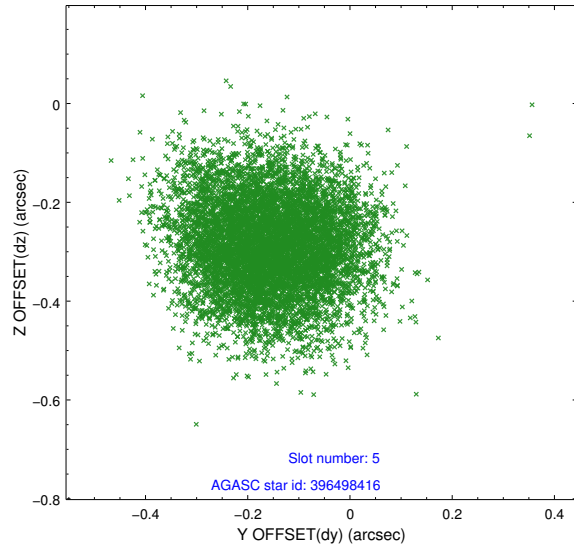
2.4.1 Slot 3



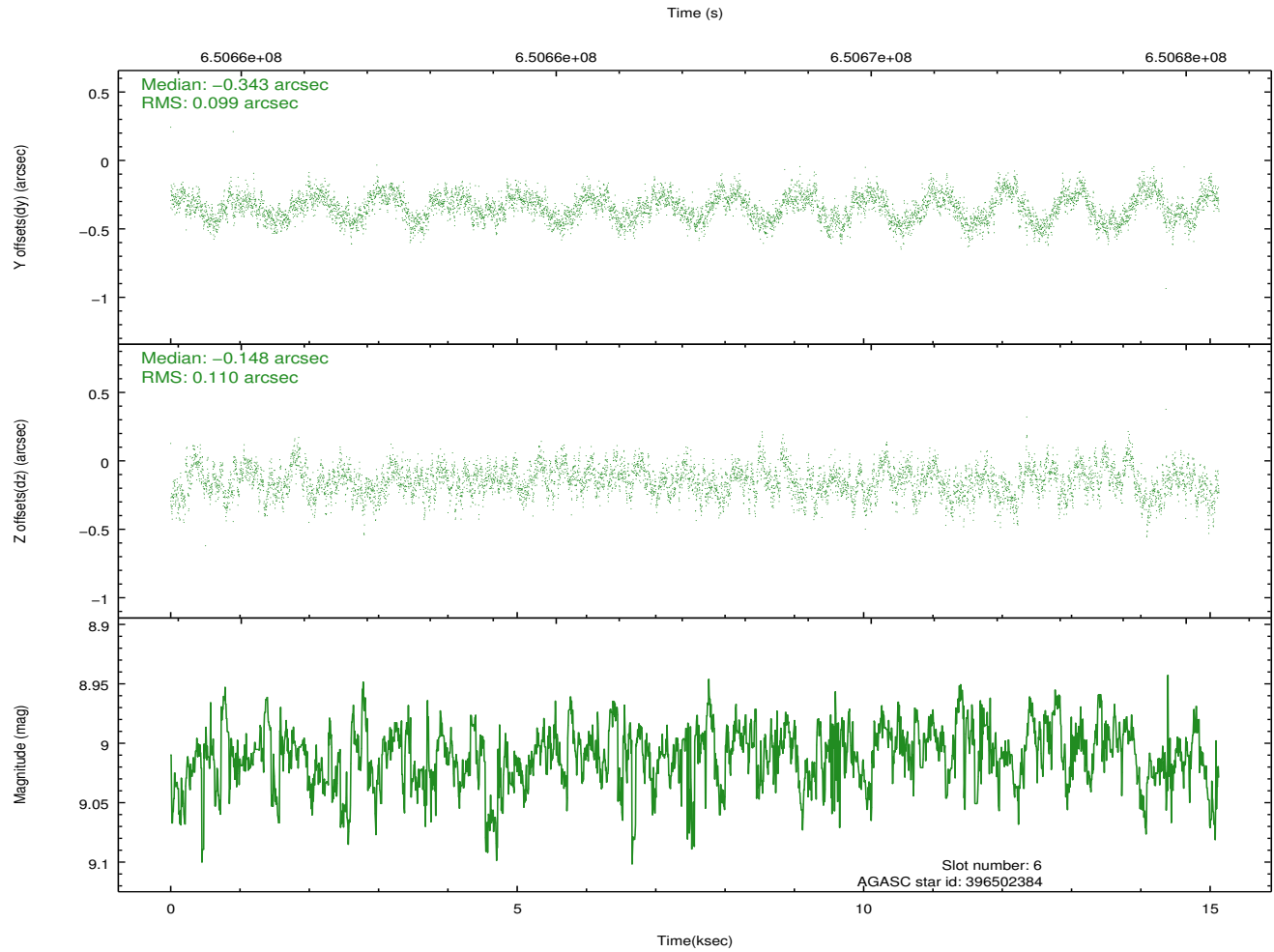
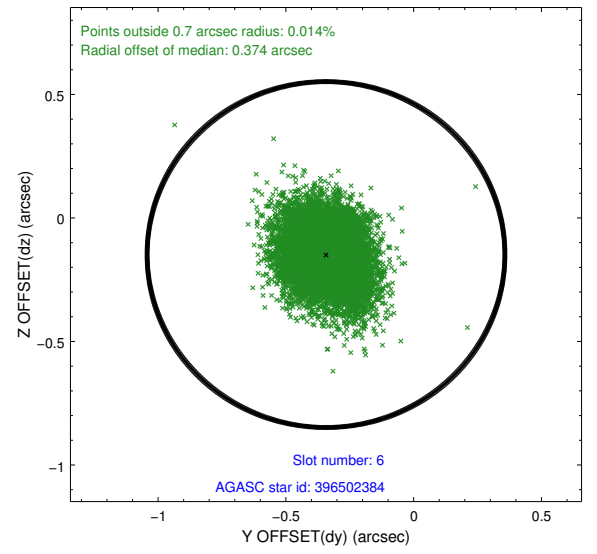
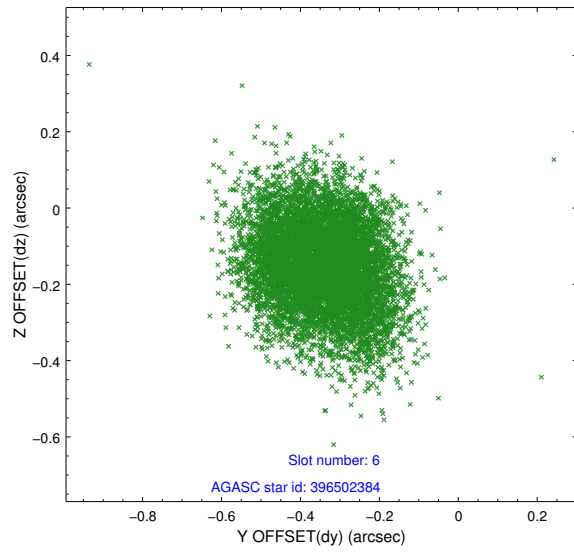
2.4.2 Slot 4



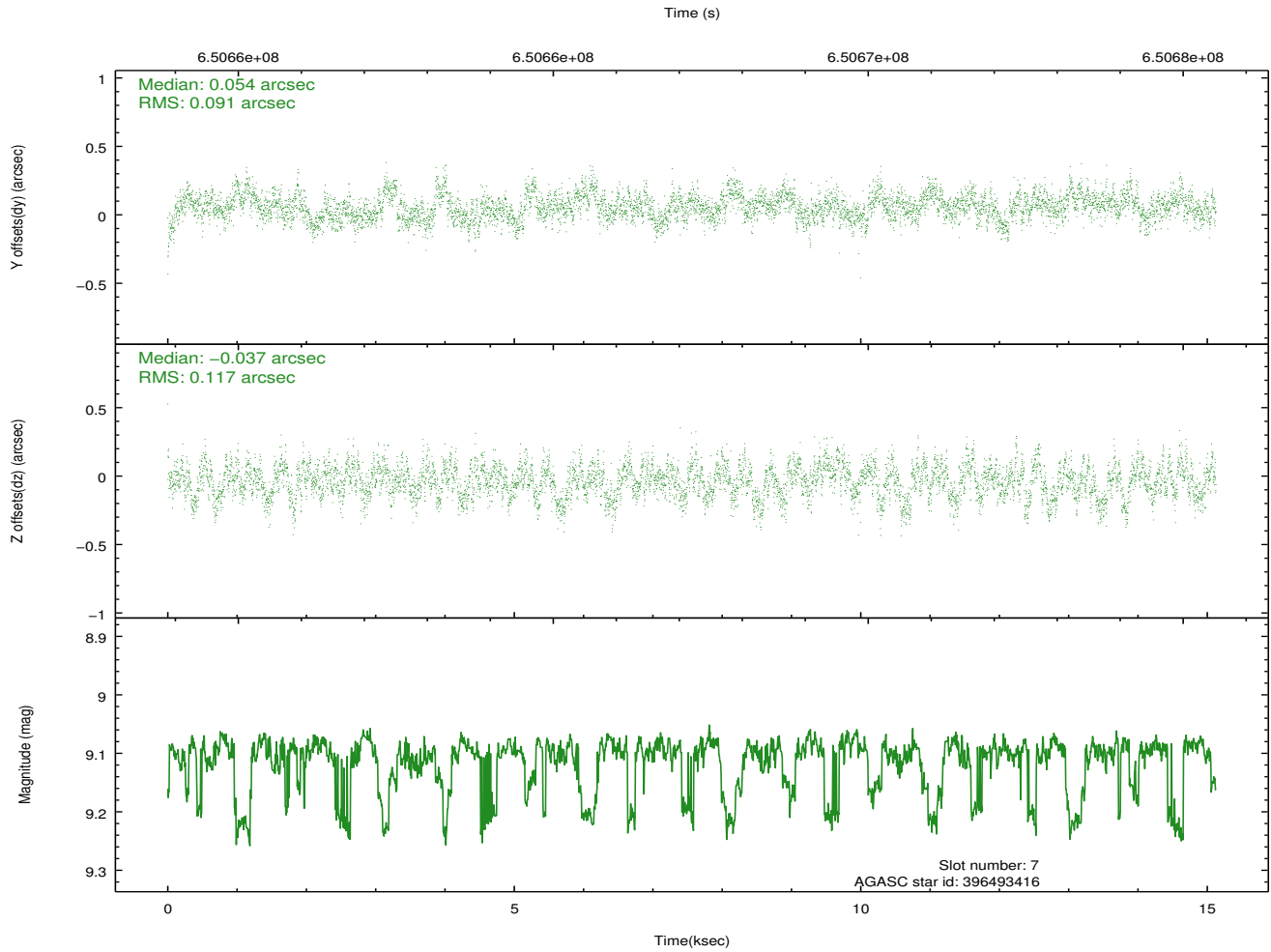
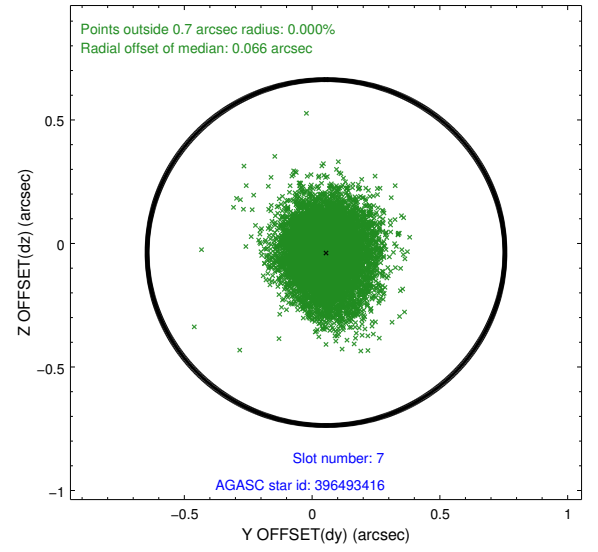
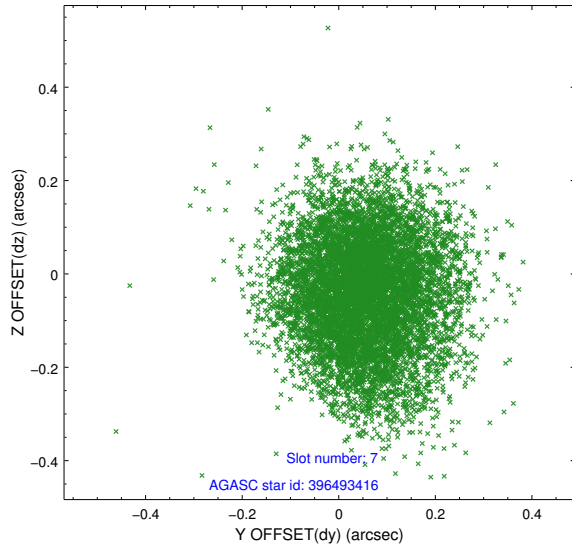
2.4.3 Slot 5



2.4.4 Slot 6

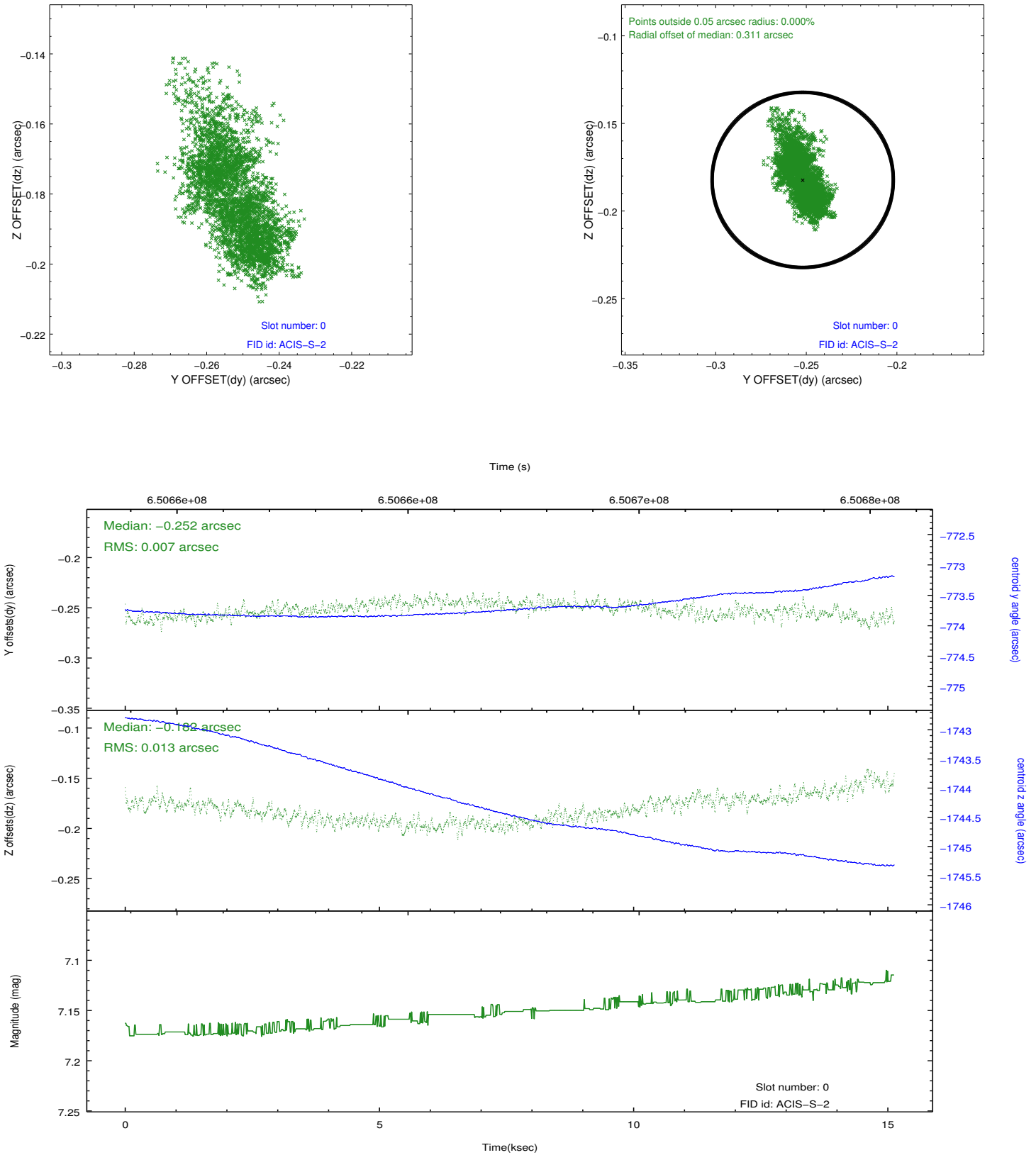


2.4.5 Slot 7

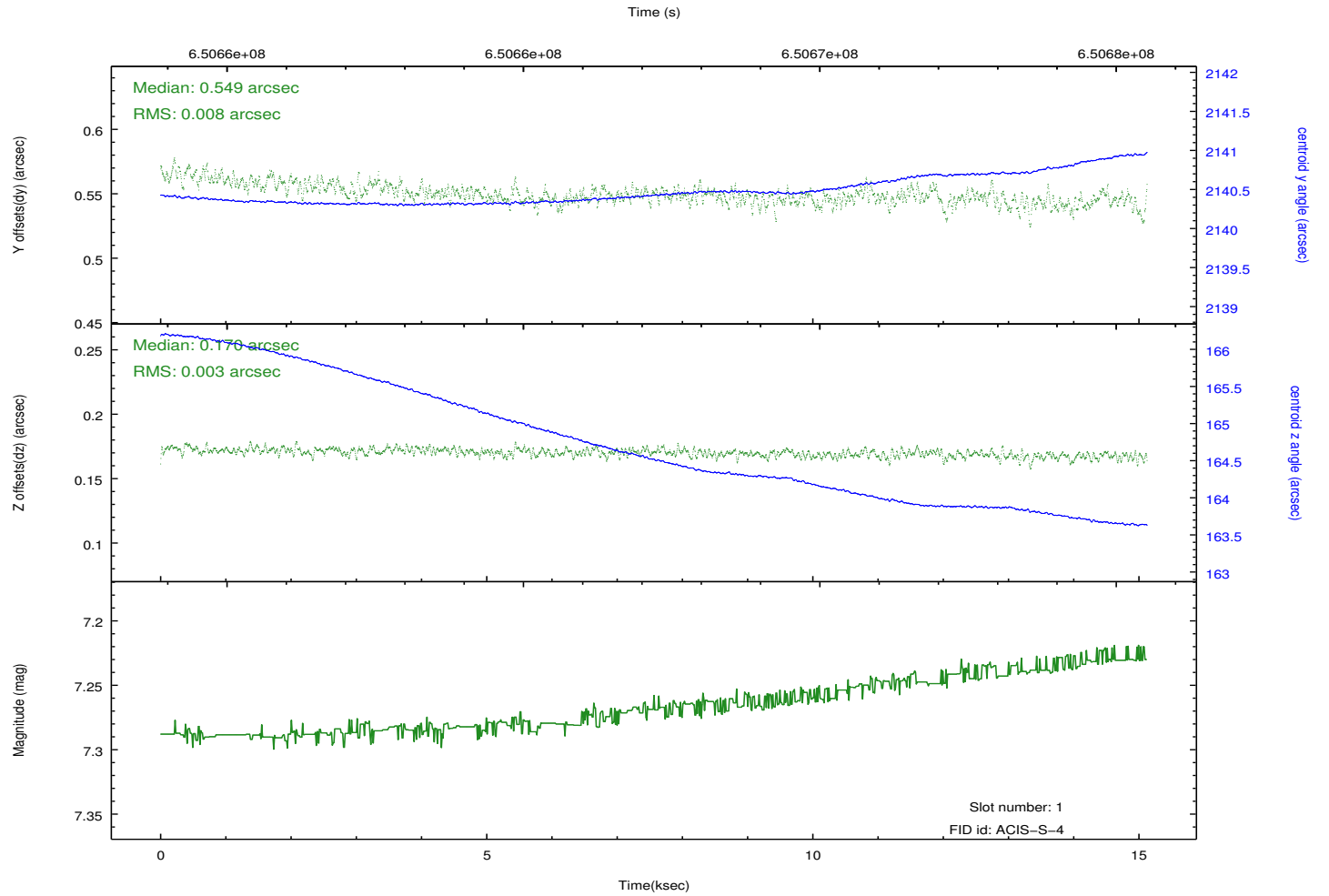
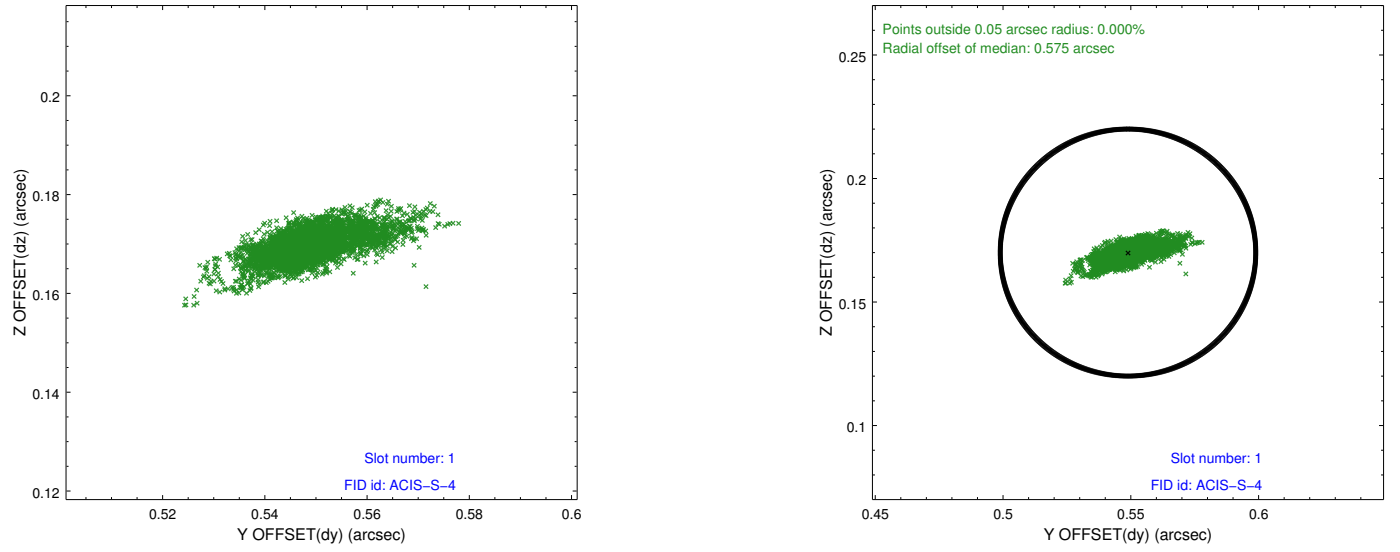


2.5 FID Slots

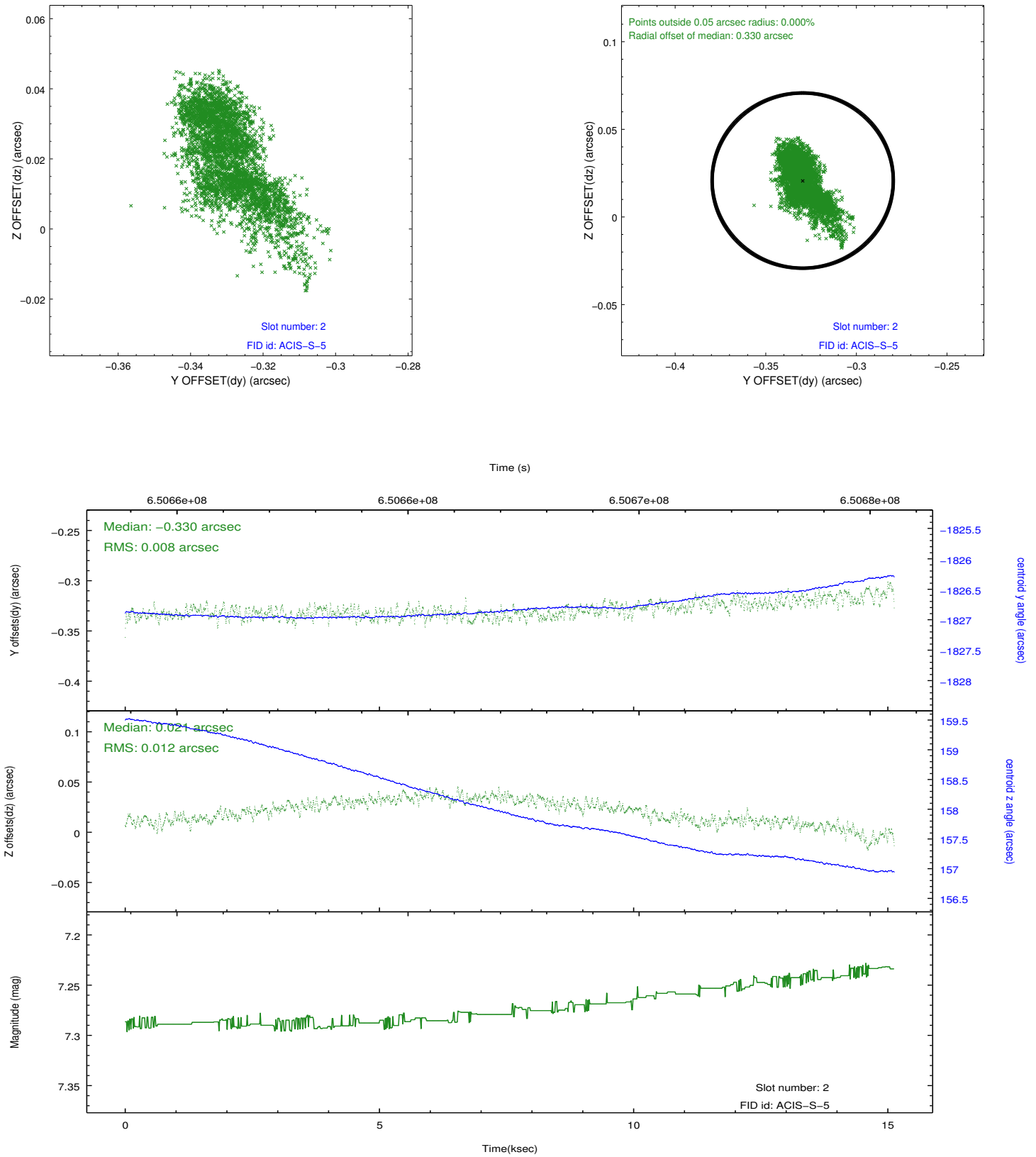
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2018.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.053600115895

A.2 Comments