

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21400 - L2 Version 1
Chandra X-Ray Center

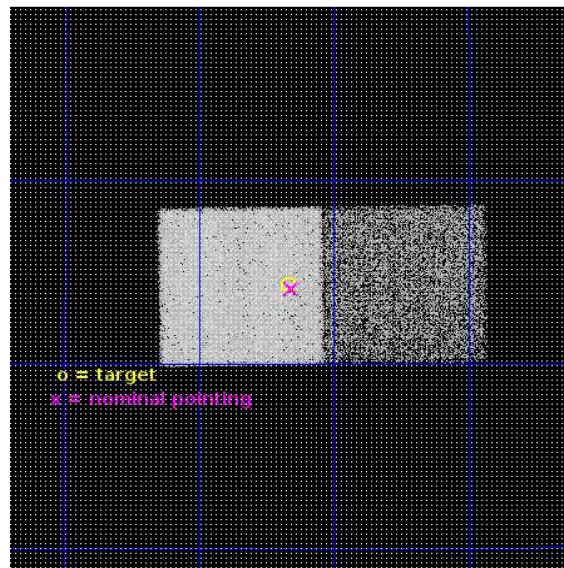
L2 Processing Date : May 21 2019

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1 Front

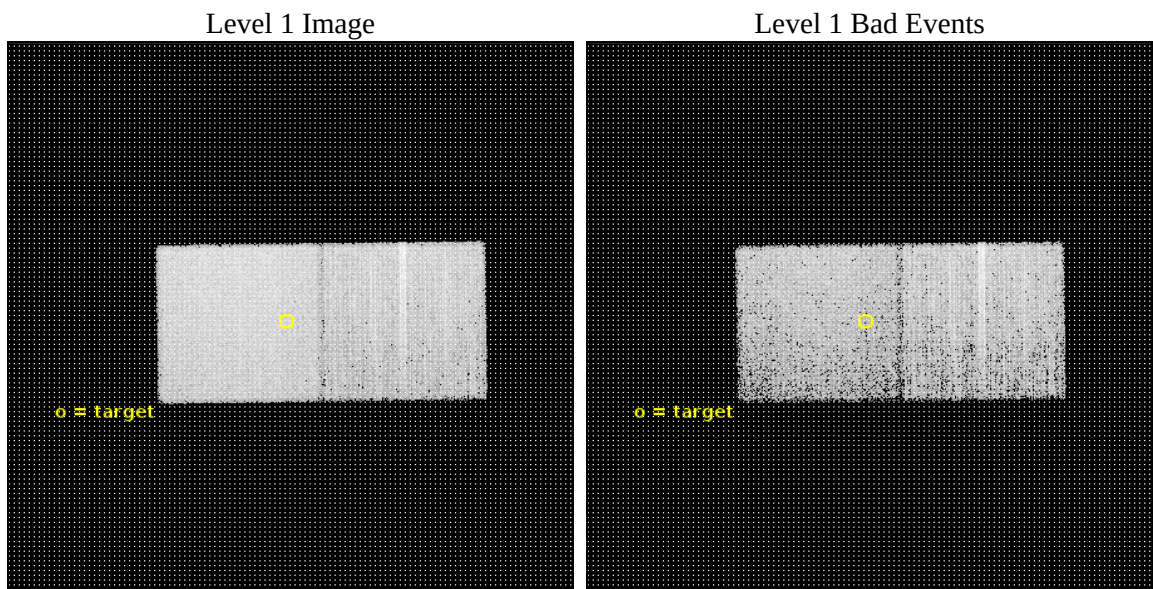
seq_num	703698	Sequence number
obs_id	21400	Observation id
title	COMPLETING THE CHANDRA EXTRAGALACTIC 3CR SURVEY	Proposal title
observer	Francesco Massaro	Principal investigator
object	3CR 326.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.042083	Observer's specified target RA [deg]
dec_targ	20.072333	Observer's specified target Dec [deg]
ra_nom	239.03931211476	Nominal RA [deg]
dec_nom	20.068531820934	Nominal Dec [deg]
roll_nom	179.15753656998	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18083.748790145	Sum of GTIs [s]
livetime	17839.701671282	Livetime [s]
ontime6	18080.666739821	Sum of GTIs [s]
ontime7	18083.748790145	Sum of GTIs [s]
l2events	86624	Number of level 2 events



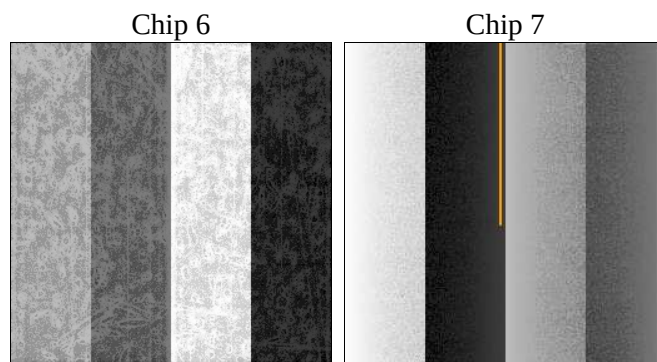
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	18083.748790145	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	18080.666739821	Sum of GTIs [s]
date	2019-05-21T12:56:01	Date and time of file creation	ontime7	18083.748790145	Sum of GTIs [s]
revision	1	Processing version of data	l1events	304162	Number of level 1 events

2.1.4 Events

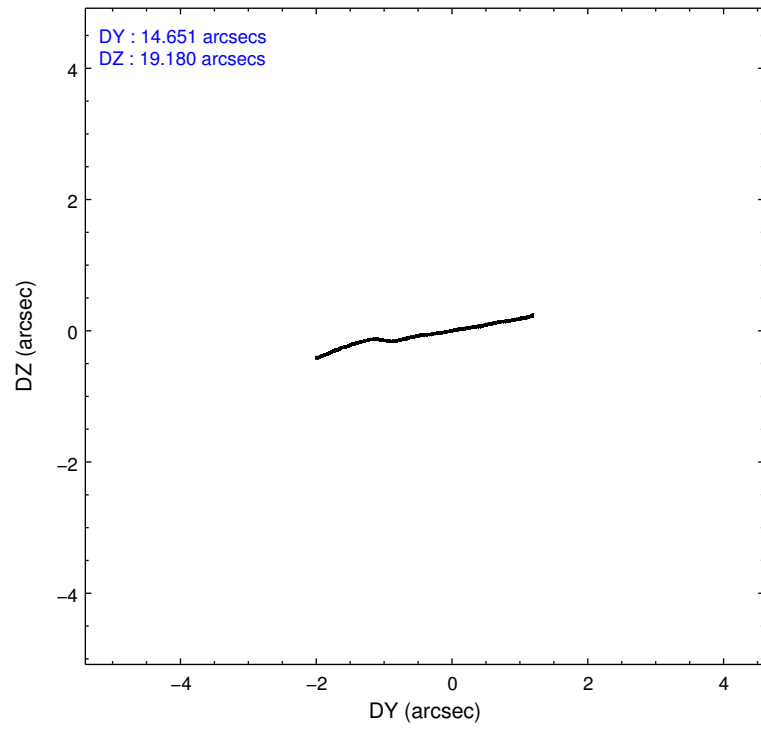
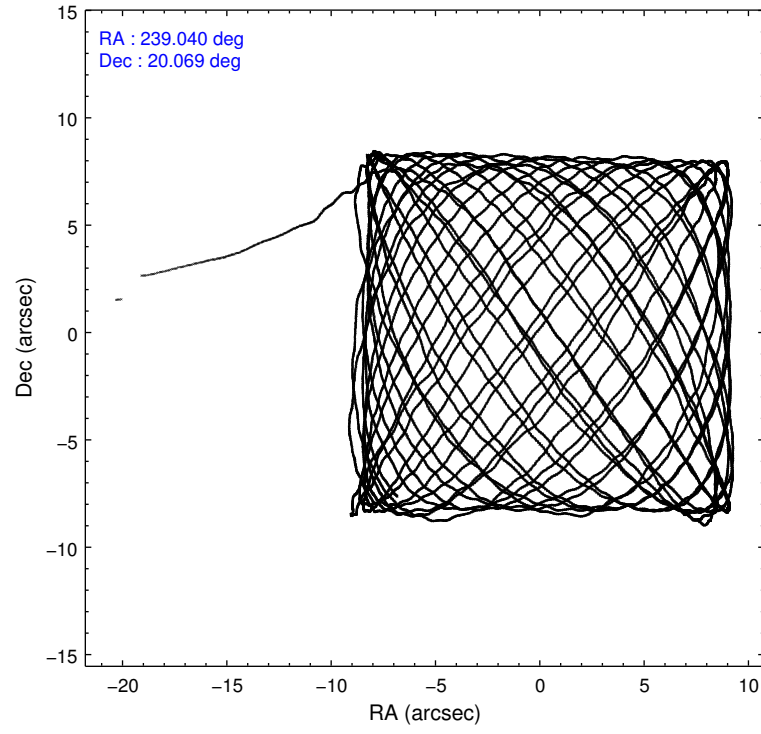
	ccd 6	ccd 7
level 1 events	132929	171233
rejected events	117322	96323
rejected %	88%	56%

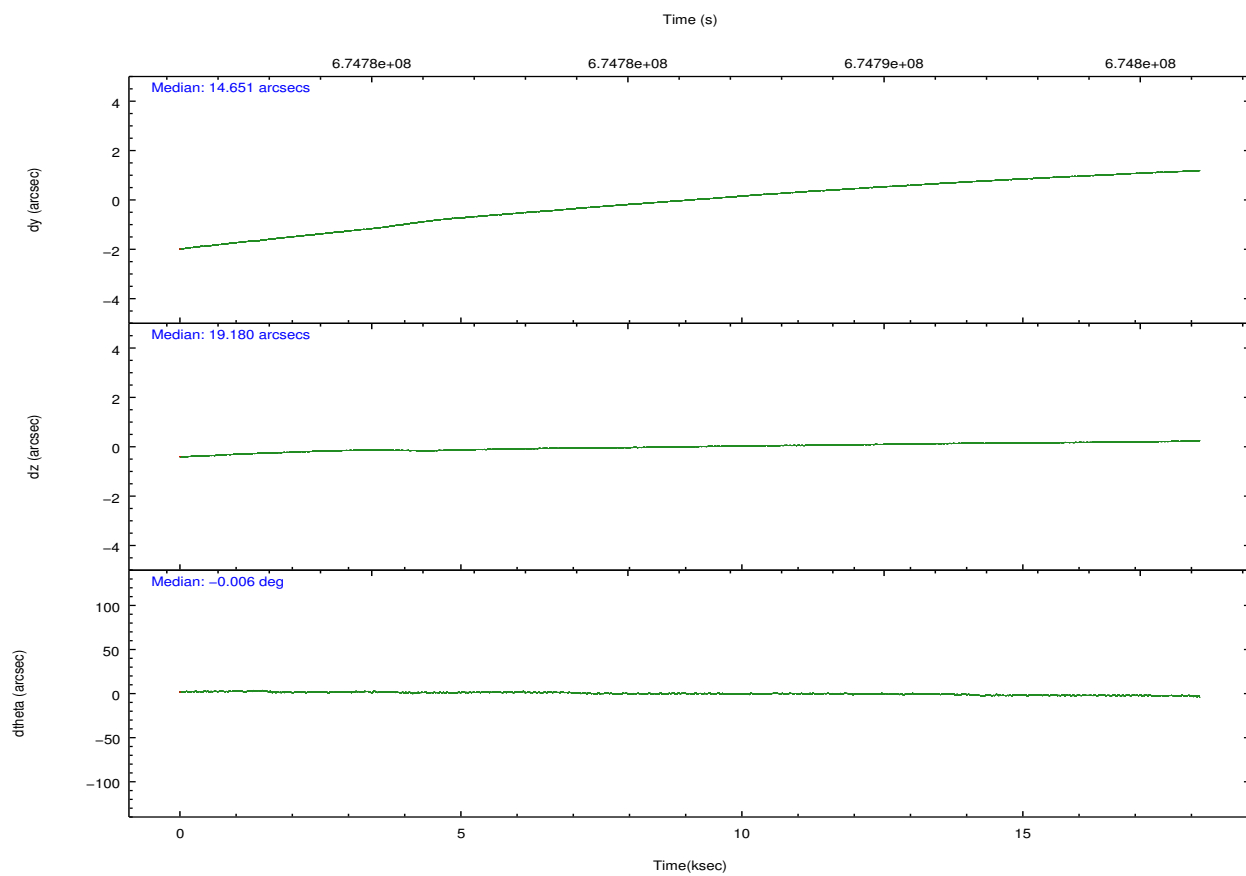
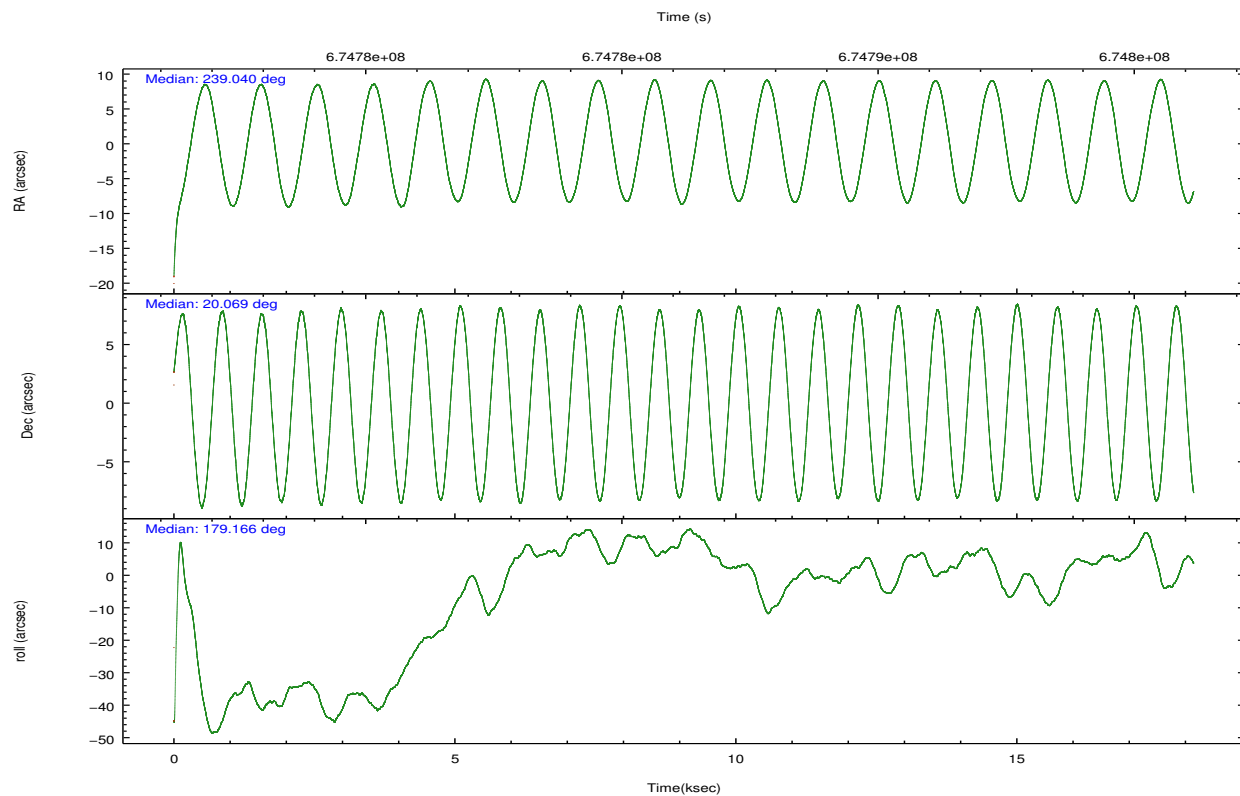
	ccd 6	ccd 7
grade 0 events	5299	6392
	3%	3%
grade 1 events	75	234
	0%	0%
grade 2 events	3595	16274
	2%	9%
grade 3 events	1576	5892
	1%	3%
grade 4 events	1592	5732
	1%	3%
grade 5 events	6148	17089
	4%	9%
grade 6 events	3548	40636
	2%	23%
grade 7 events	111096	78984
	83%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-67	ACIS-67	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	239.064669	239.039312114759	CCD I2 on	O1	N
[deg] Pointing Dec	20.082209	20.06853182093367	CCD I3 on	O2	N
[deg] Pointing Roll	178.992246	179.1575365699759	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	674777278.184000	674776382.77259	CCD S5 on	N	N
Observation start date	2019-05-20T22:06:49	2019-05-20T21:53:02	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	674795278.184000	674796401.53629	On-chip summing requested	N	N
Observation end date	2019-05-21T03:06:49	2019-05-21T03:26:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3

2.3 Aspect



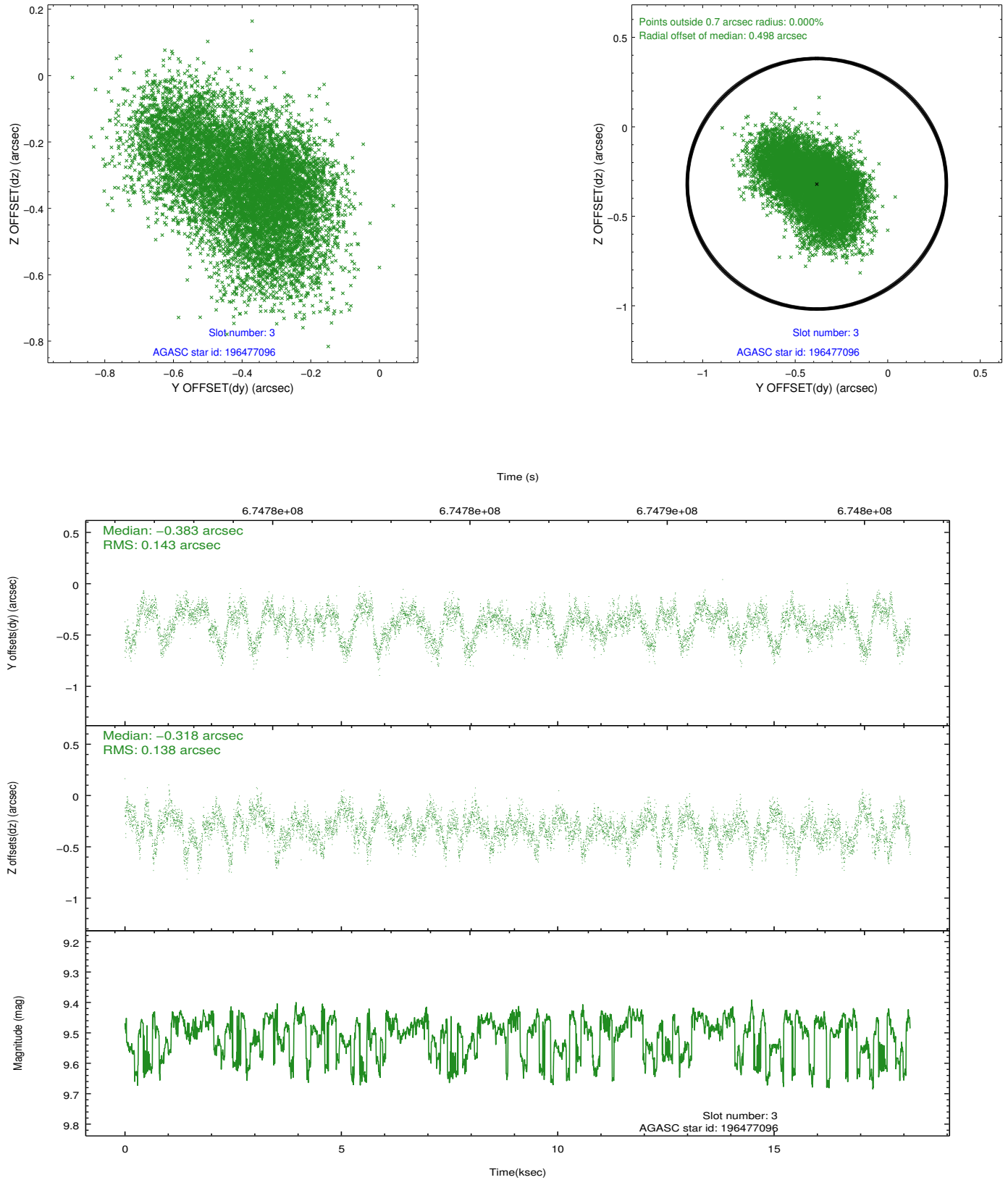


Slot Statistics

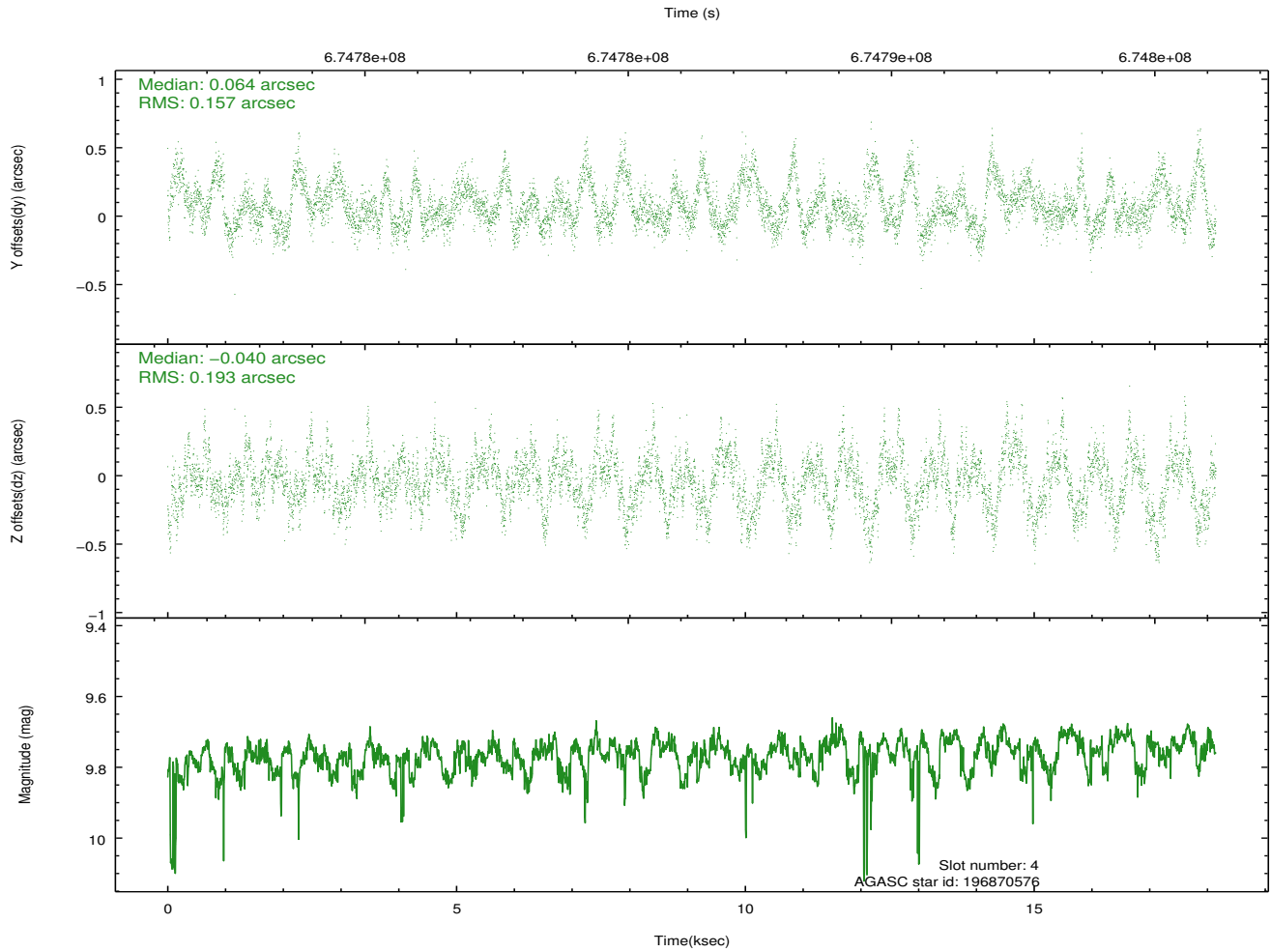
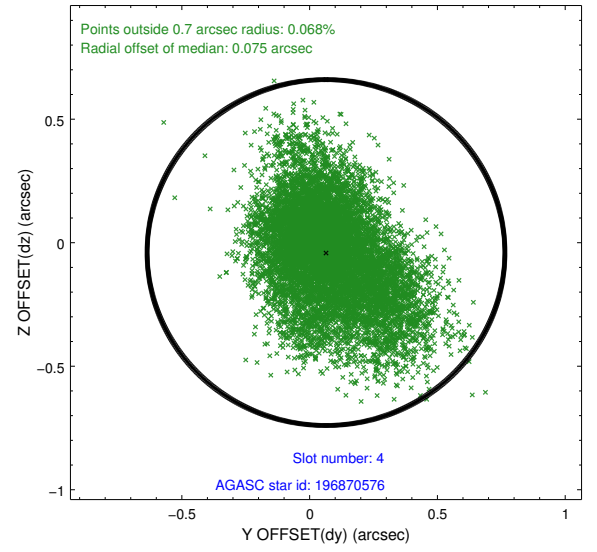
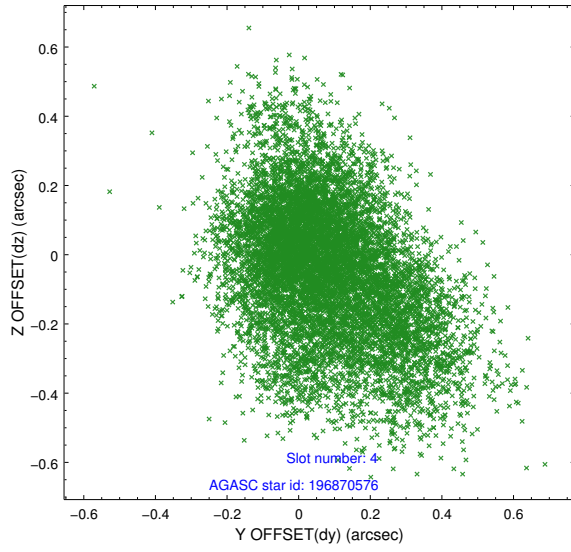
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-3	7.25	4426	1.000	-0.210	-0.174	0.013	0.020	0.000000	0.000000	45.58	-1869
1	FID		ACIS-S-4	7.12	4427	1.000	0.713	0.192	0.015	0.067	0.000000	0.000000	2146.58	167
2	FID		ACIS-S-5	7.08	4427	1.000	-0.531	-0.008	0.013	0.061	0.000000	0.000000	-1820.56	161
3	GUIDE	used	196477096	9.50	8840	1.000	-0.383	-0.318	0.213	0.341	238.750880	19.975255	1055.36	402
4	GUIDE	used	196870576	9.76	8800	1.000	0.064	-0.040	0.261	0.450	239.503251	20.044543	-1484.62	108
5	GUIDE	used	196870640	8.44	8850	1.000	-0.029	-0.200	0.110	0.184	239.240289	20.038305	-595.50	147
6	GUIDE	used	196871272	8.72	8845	1.000	-0.116	0.198	0.111	0.180	238.999902	20.208465	227.53	-449
7	GUIDE	used	196872000	9.27	8834	1.000	0.459	0.370	0.182	0.282	239.699817	20.546469	-2108.68	-1712

2.4 Star Slots

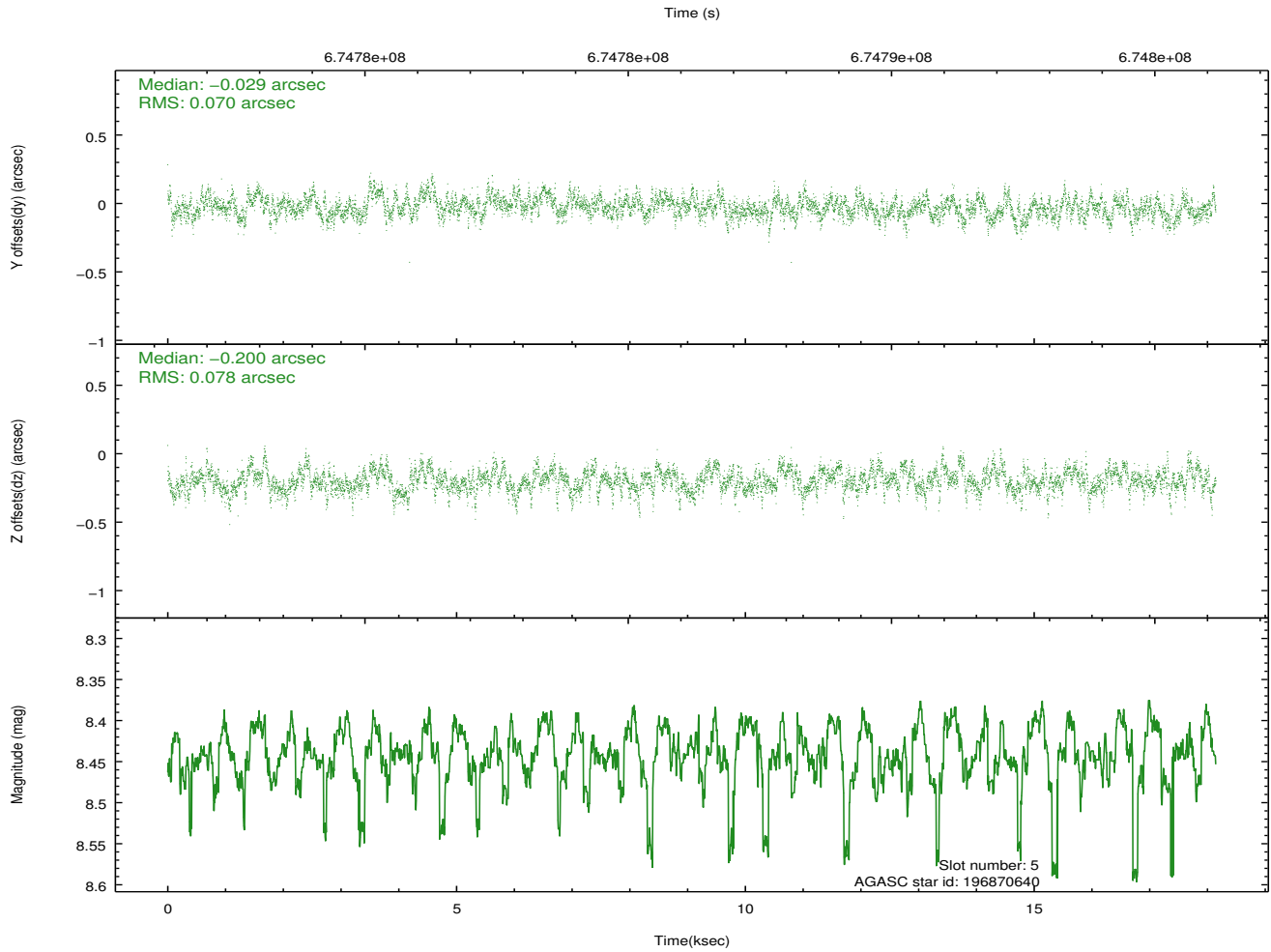
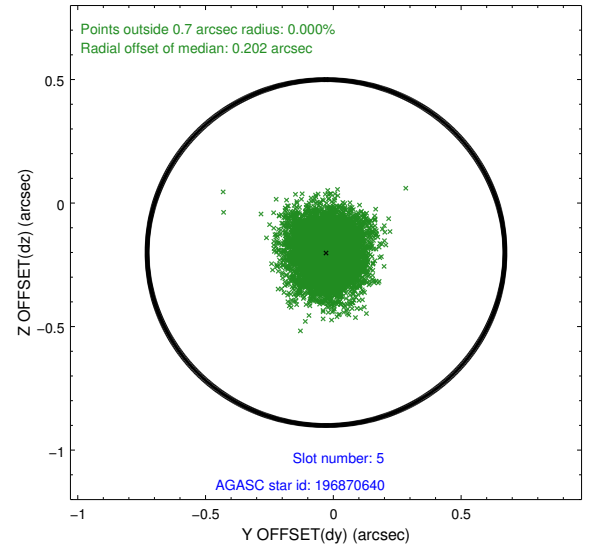
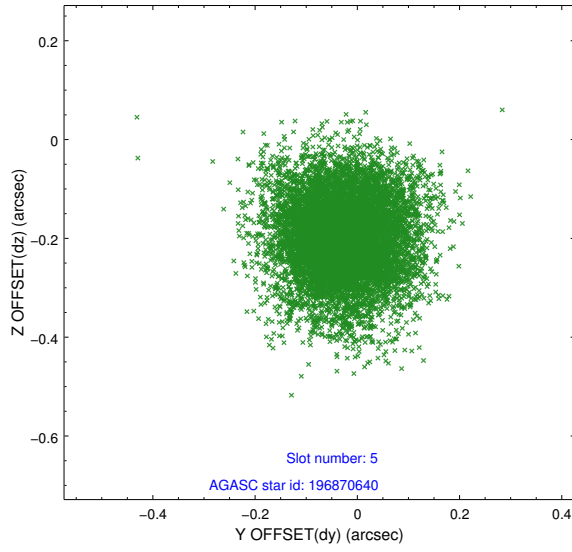
2.4.1 Slot 3



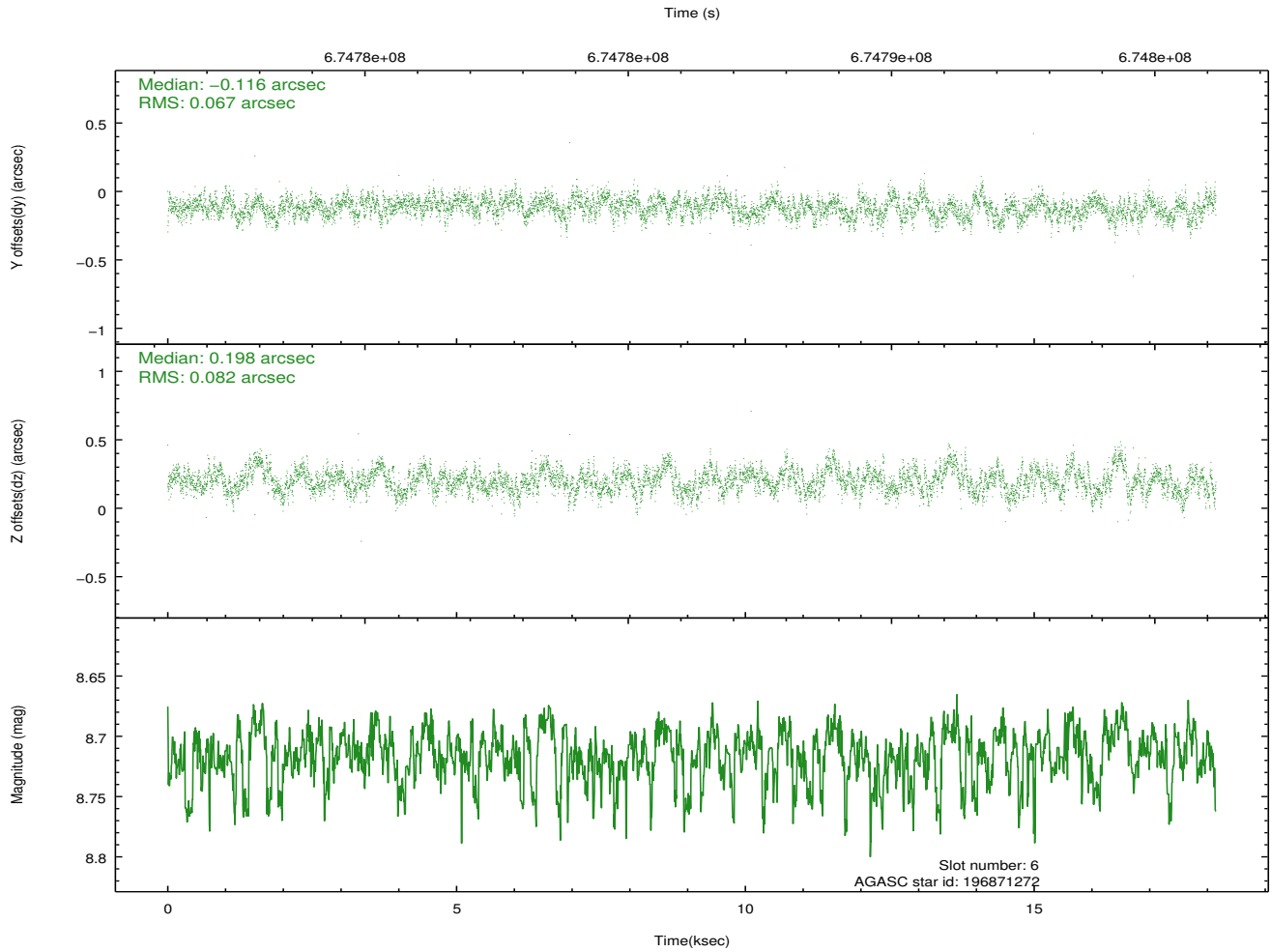
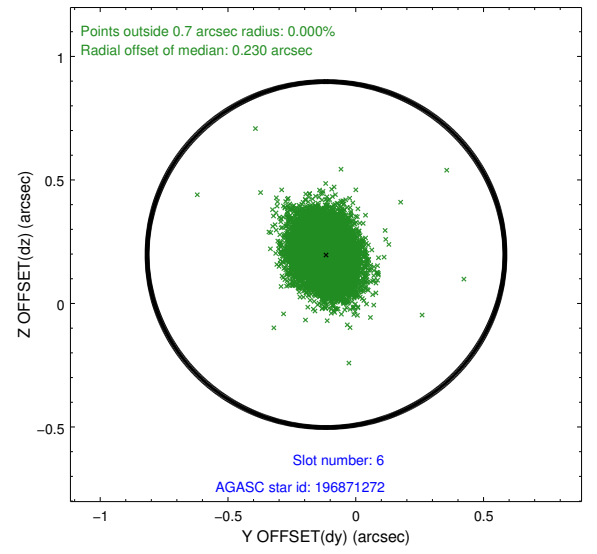
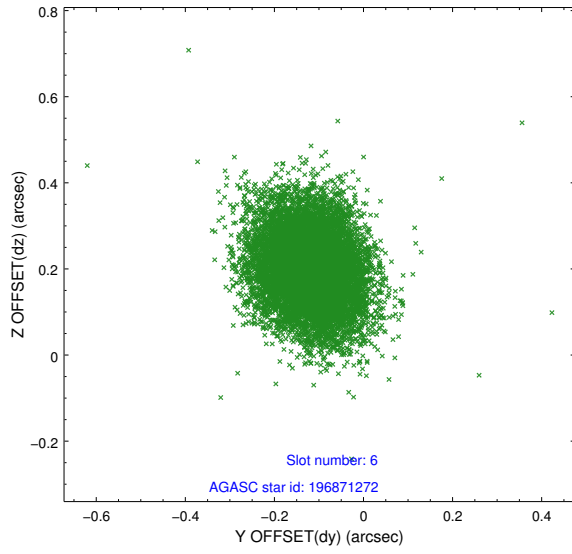
2.4.2 Slot 4



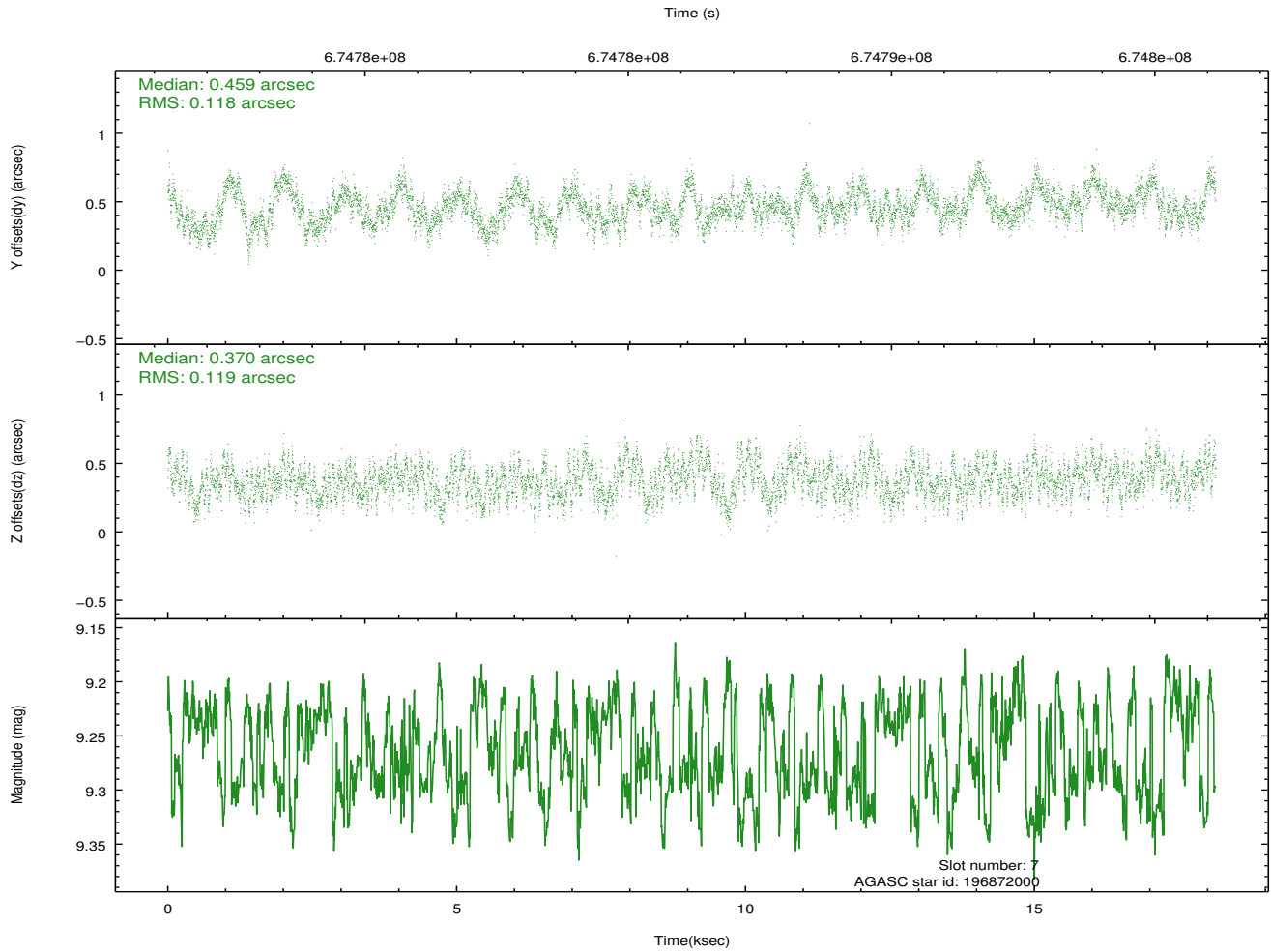
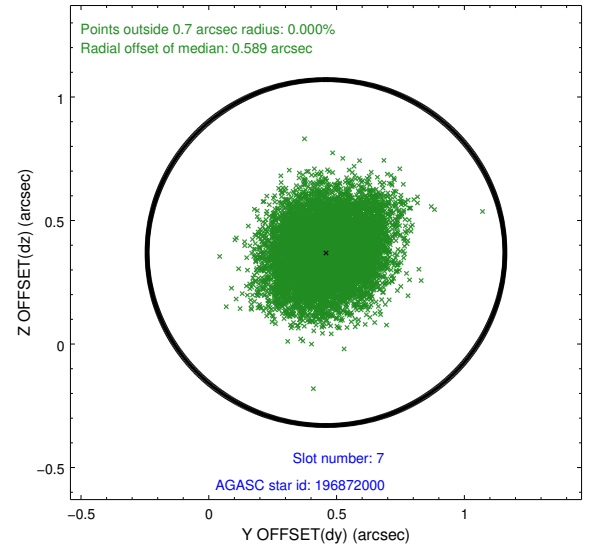
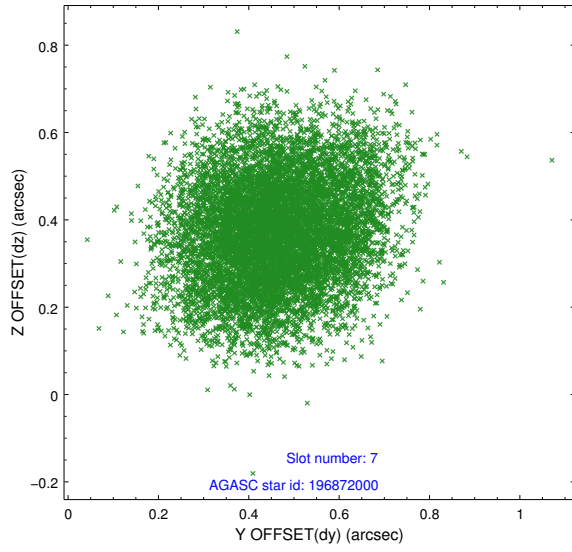
2.4.3 Slot 5



2.4.4 Slot 6

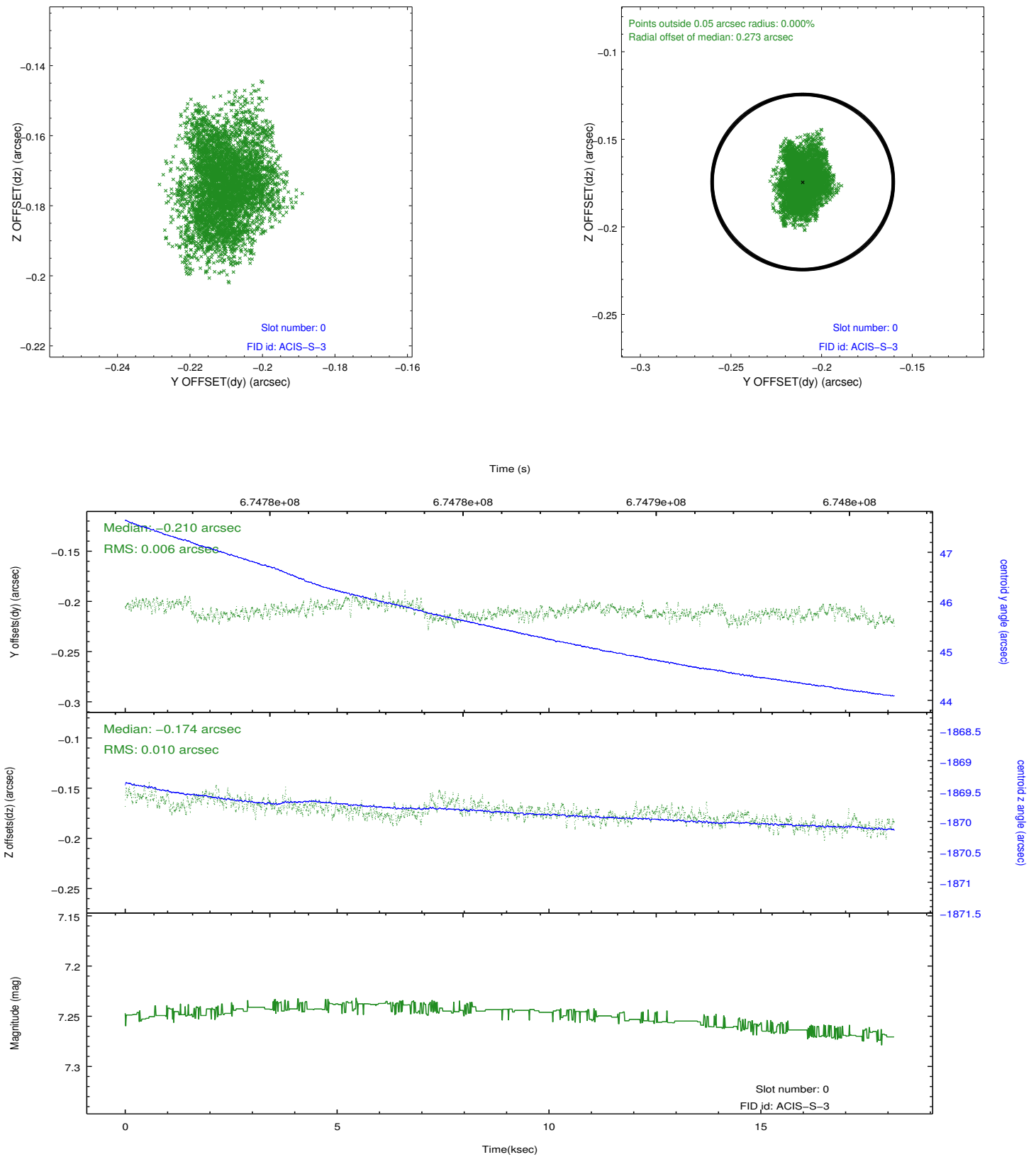


2.4.5 Slot 7

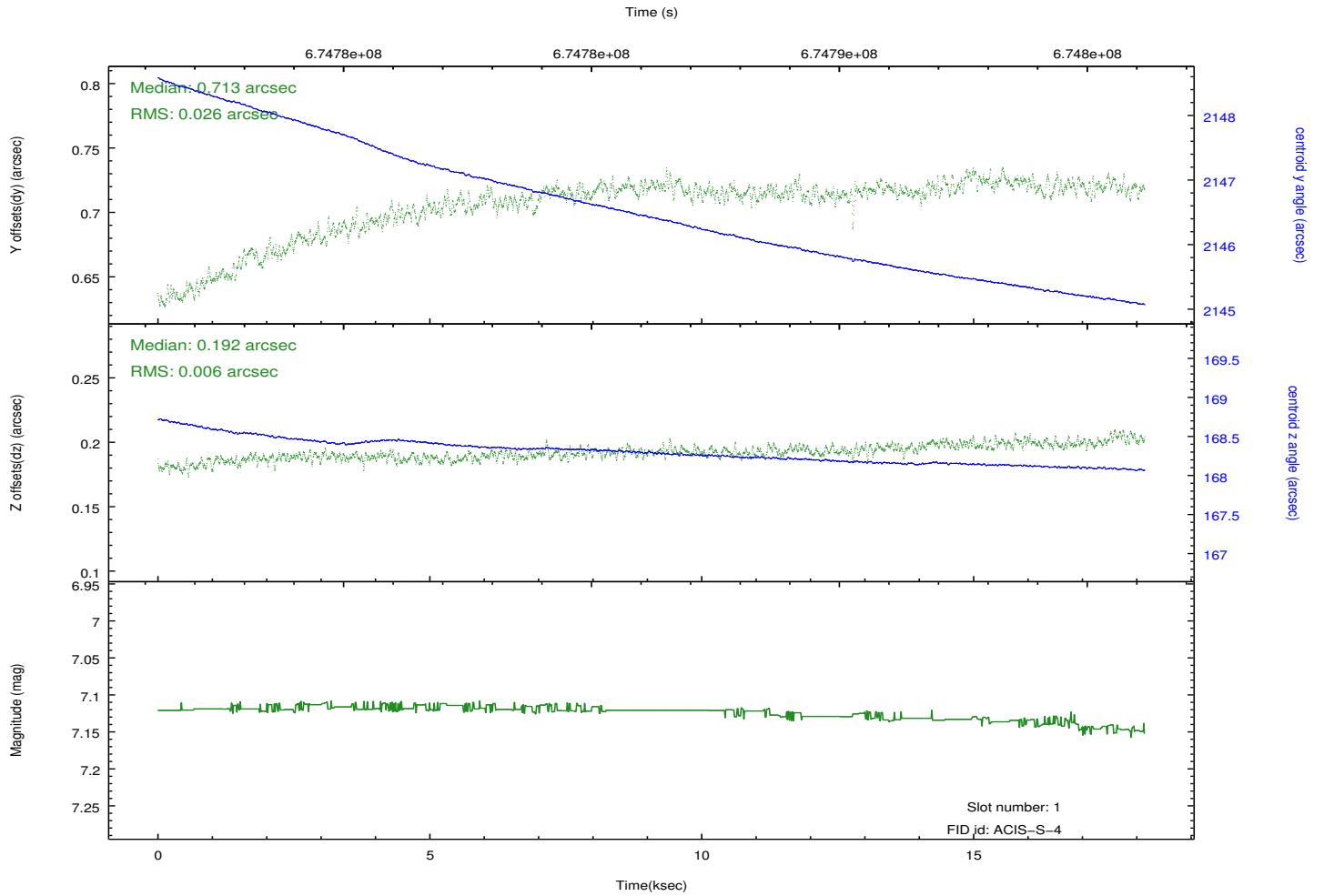
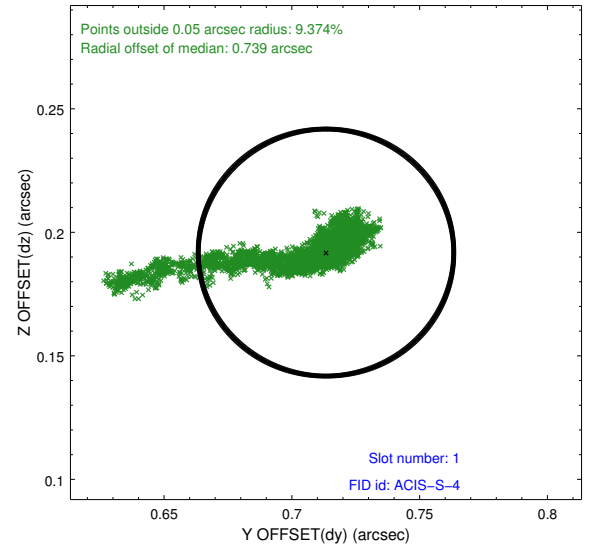
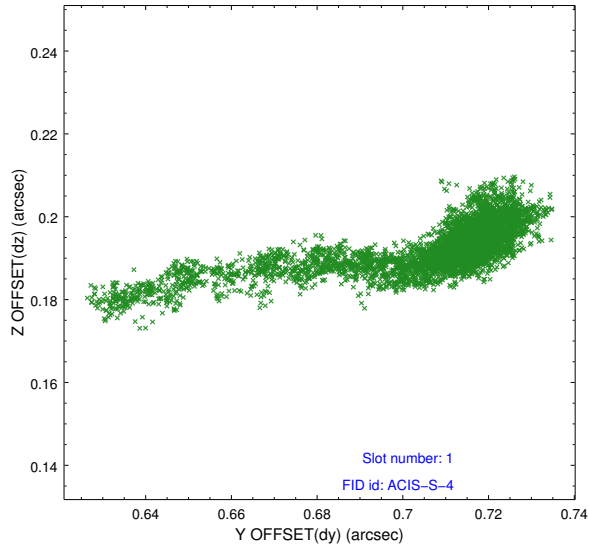


2.5 FID Slots

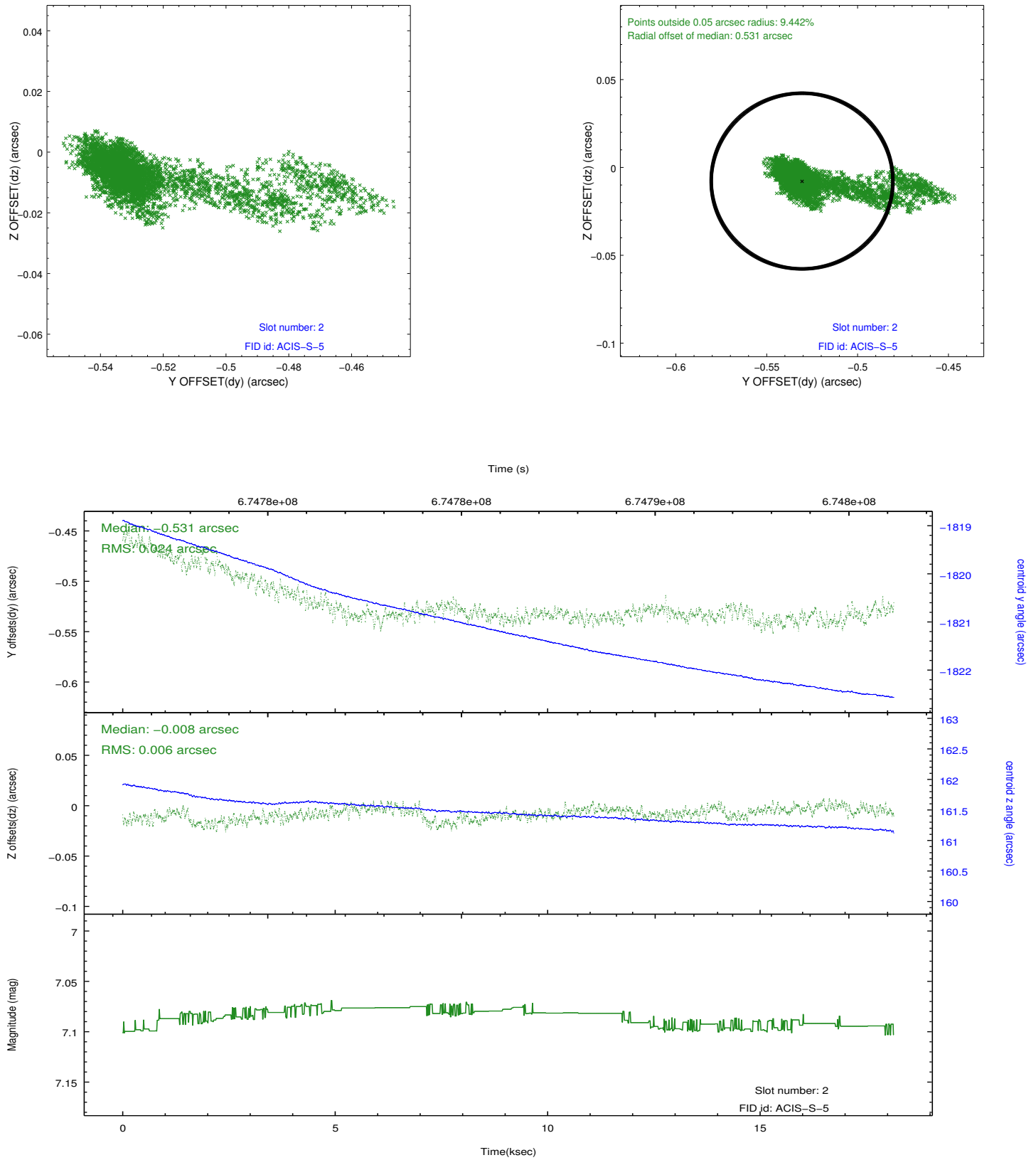
2.5.1 Slot 0



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)	2019.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.083748790145

A.2 Comments

Optional chips I2 and I3 not included.