

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21399 - L2 Version 1
Chandra X-Ray Center

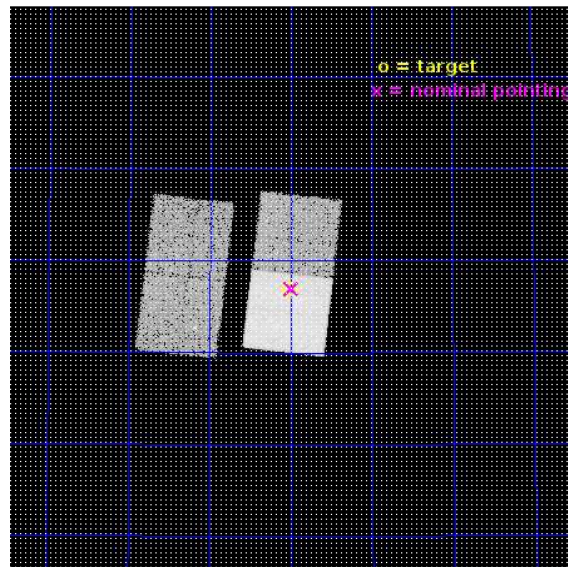
L2 Processing Date : Feb 25 2019

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1 Front

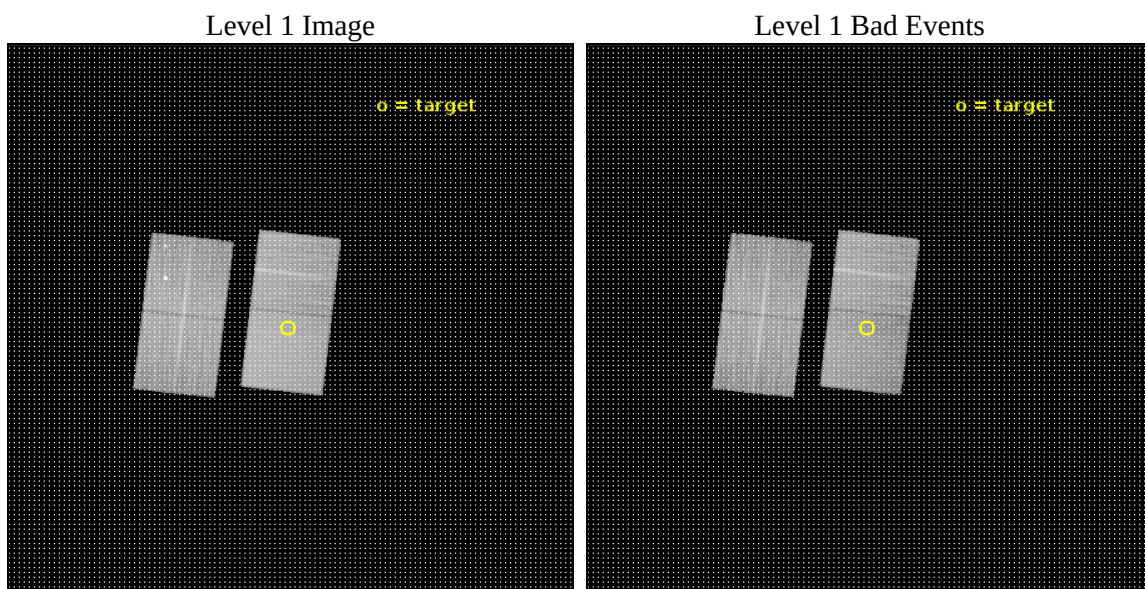
seq_num	703697	Sequence number
obs_id	21399	Observation id
title	COMPLETING THE CHANDRA EXTRAGALACTIC 3CR SURVEY	Proposal title
observer	Fr Massaro	Principal investigator
object	3CR 322.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	233.755	Observer's specified target RA [deg]
dec_targ	55.614667	Observer's specified target Dec [deg]
ra_nom	233.74844485046	Nominal RA [deg]
dec_nom	55.616137958362	Nominal Dec [deg]
roll_nom	96.535732399973	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18066.80013907	Sum of GTIs [s]
livetime	17830.744094668	Livetime [s]
ontime2	18066.80013907	Sum of GTIs [s]
ontime3	18066.80013907	Sum of GTIs [s]
ontime6	18066.80013907	Sum of GTIs [s]
ontime7	18066.80013907	Sum of GTIs [s]
l2events	113486	Number of level 2 events



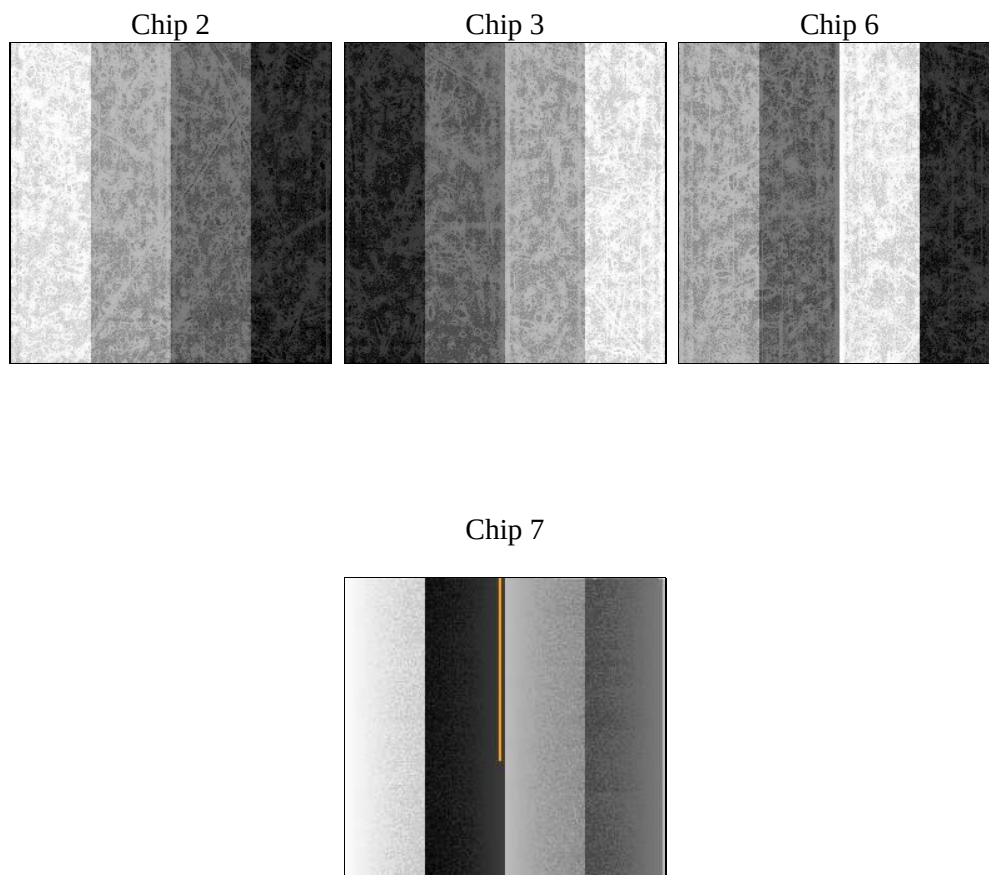
2 OBI

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	18066.80013907	Sum of GTIs [s]
caldbver	4.8.2	 	ontime2	18066.80013907	Sum of GTIs [s]
date	2019-02-25T23:43:45	Date and time of file creation	ontime3	18066.80013907	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	18066.80013907	Sum of GTIs [s]
			ontime7	18066.80013907	Sum of GTIs [s]
			l1events	621121	Number of level 1 events

2.1.4 Events

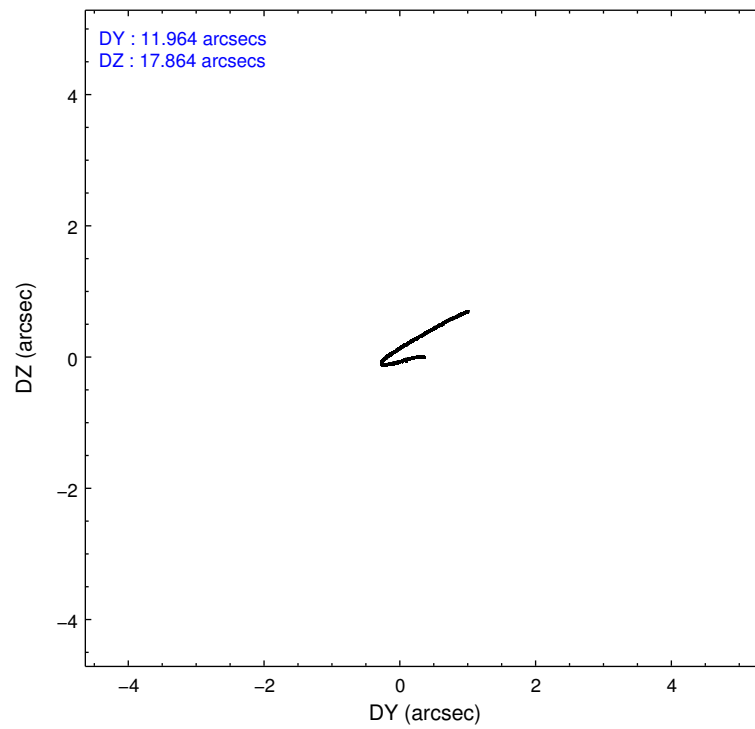
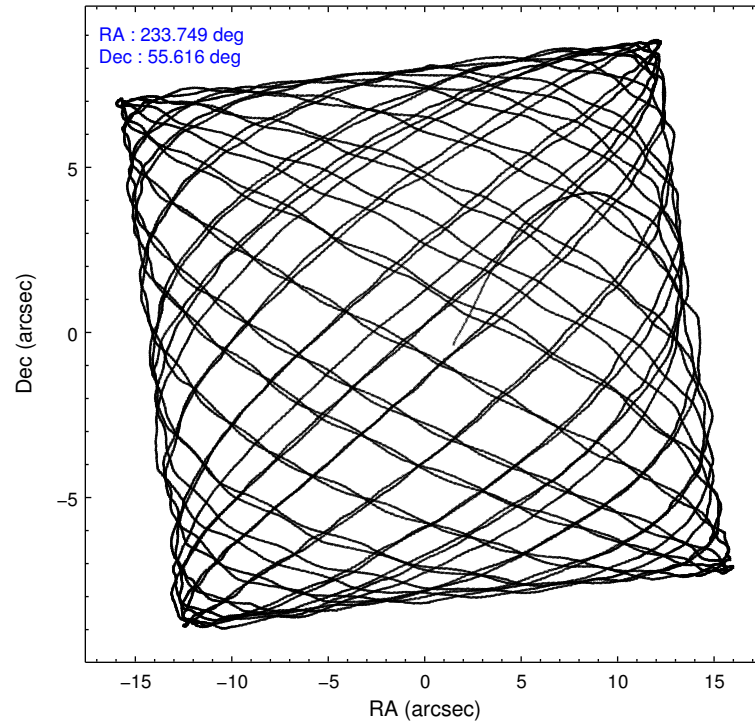
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	149170	139729	152155	180067
rejected events	128636	125656	136103	103138
rejected %	86%	89%	89%	57%

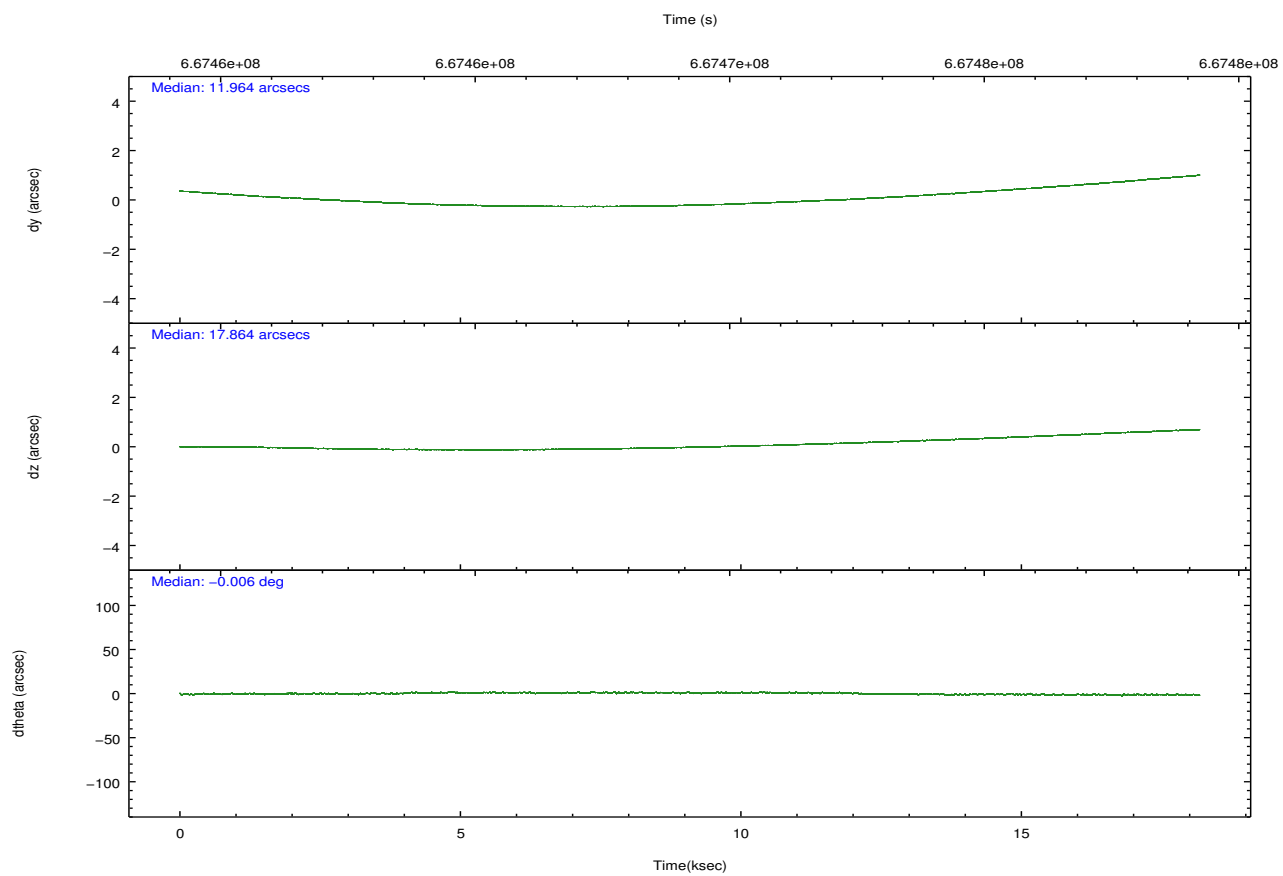
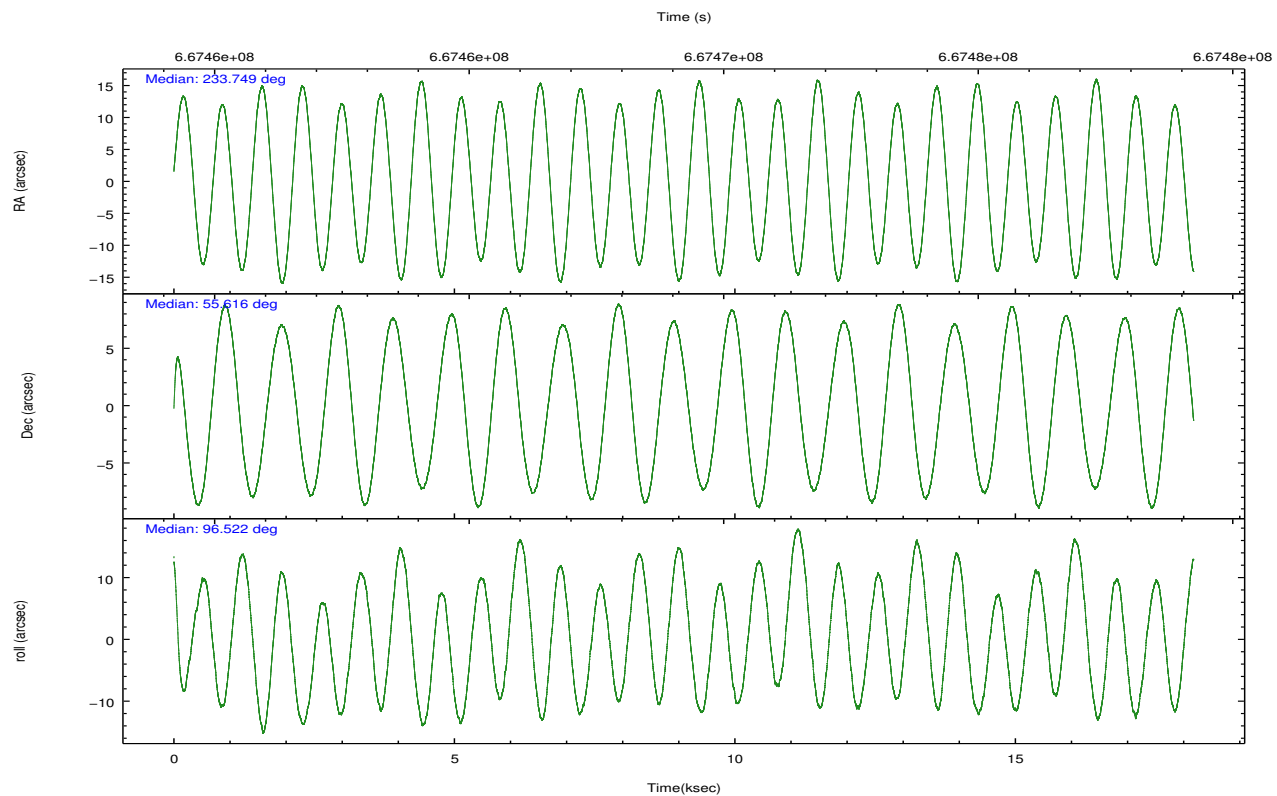
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	11355	4931	4643	6327
	7%	3%	3%	3%
grade 1 events	125	82	57	250
	0%	0%	0%	0%
grade 2 events	3332	3052	4326	16107
	2%	2%	2%	8%
grade 3 events	1487	1429	1347	5940
	0%	1%	0%	3%
grade 4 events	1474	1495	1344	5938
	0%	1%	0%	3%
grade 5 events	5115	6097	5974	17474
	3%	4%	3%	9%
grade 6 events	2887	3168	4394	42629
	1%	2%	2%	23%
grade 7 events	123395	119475	130070	85402
	82%	85%	85%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	233.777847	233.7484448504611	CCD I2 on	O1	Y
[deg] Pointing Dec	55.594296	55.6161379583619	CCD I3 on	O2	Y
[deg] Pointing Roll	96.354836	96.53573239997345	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)	667460318.184000	667459359.35965	CCD S5 on	N	N
Observation start date	2019-02-25T05:37:29	2019-02-25T05:22:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	667478318.184000	667479192.59834	On-chip summing requested	N	N
Observation end date	2019-02-25T10:37:29	2019-02-25T10:53:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



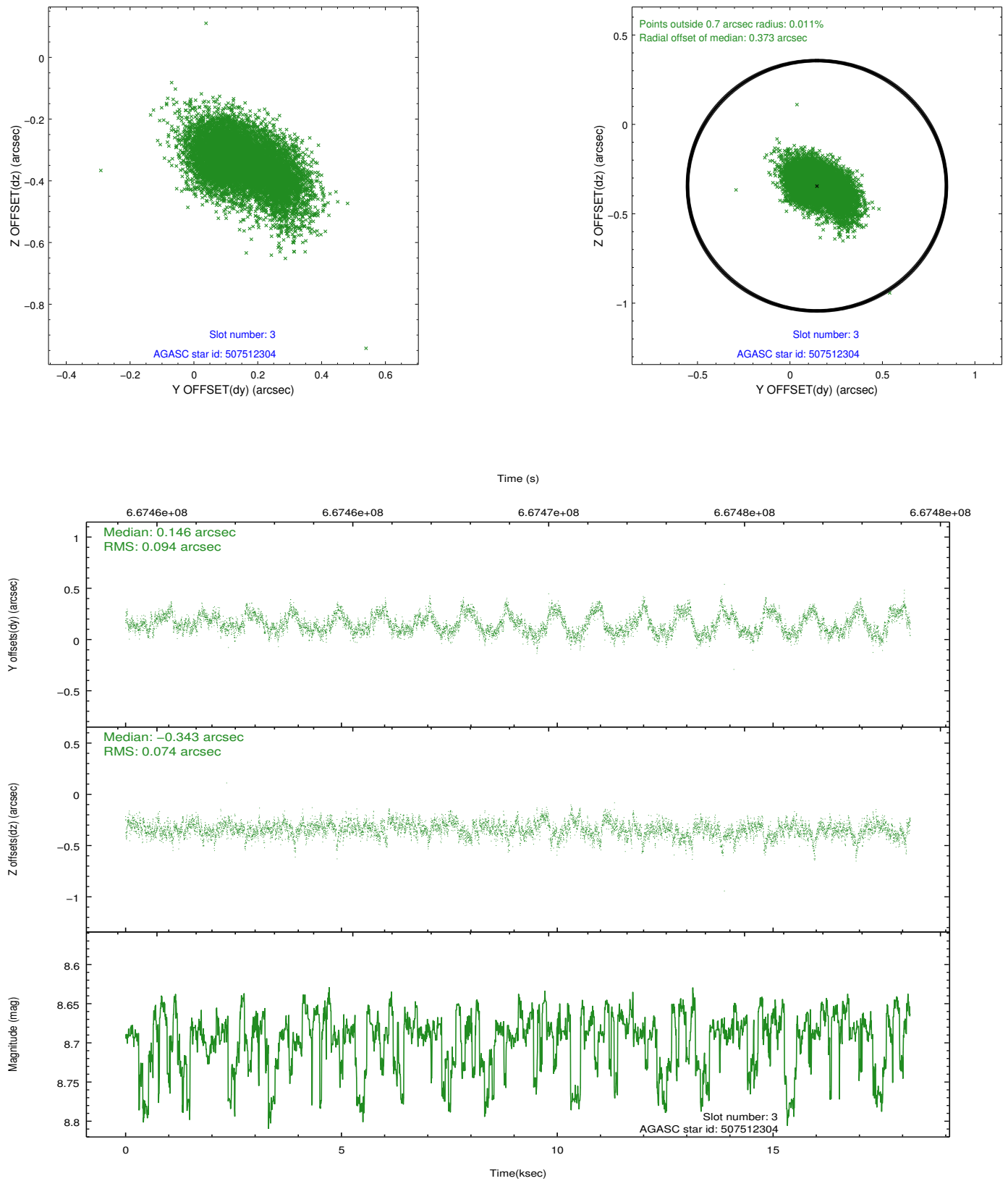


Slot Statistics

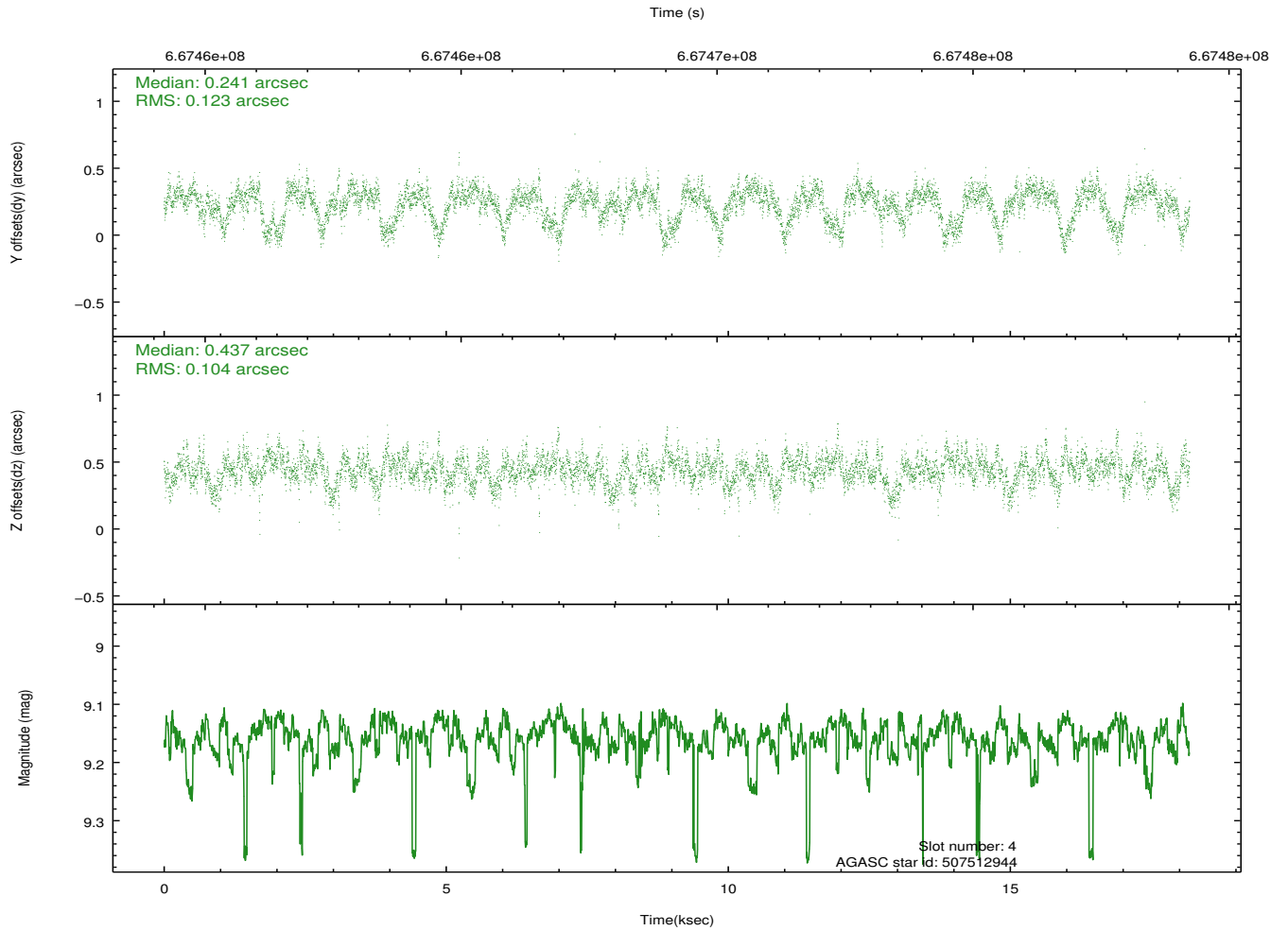
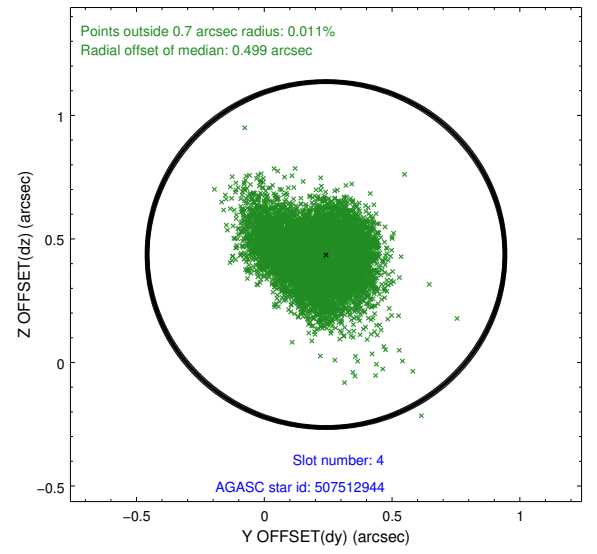
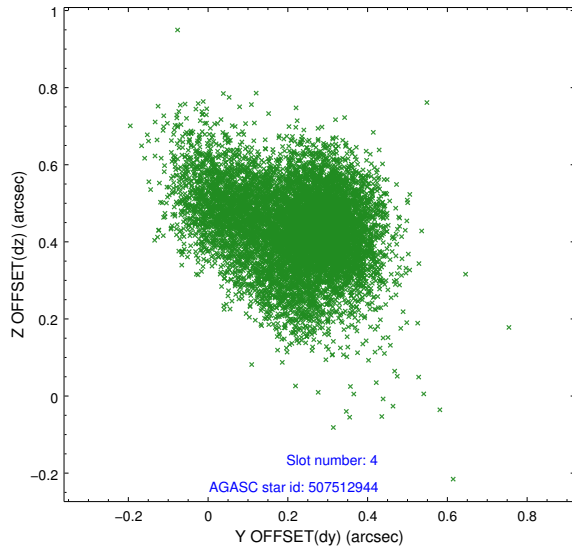
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.09	4433	1.000	-0.255	-0.206	0.009	0.015	0.000000	0.000000	-765.16	-1739
1	FID		ACIS-S-4	7.23	4433	1.000	0.710	0.178	0.009	0.027	0.000000	0.000000	2148.93	169
2	FID		ACIS-S-5	7.21	4434	1.000	-0.486	0.037	0.011	0.028	0.000000	0.000000	-1818.00	162
3	GUIDE	used	507512304	8.69	8857	1.000	0.146	-0.343	0.126	0.209	232.943607	55.382899	-557.07	1778
4	GUIDE	used	507512944	9.16	8860	1.000	0.241	0.437	0.168	0.285	233.926215	55.525520	-278.58	-271
5	GUIDE	used	507513104	8.37	8864	1.000	0.053	0.100	0.119	0.193	233.347673	55.299755	-953.47	992
6	GUIDE	used	507514008	9.24	8852	1.000	-0.325	-0.264	0.190	0.295	233.123087	55.581332	106.22	1328
7	GUIDE	used	507522952	7.73	8865	1.000	-0.095	0.083	0.103	0.171	234.661783	55.899093	905.27	-1894

2.4 Star Slots

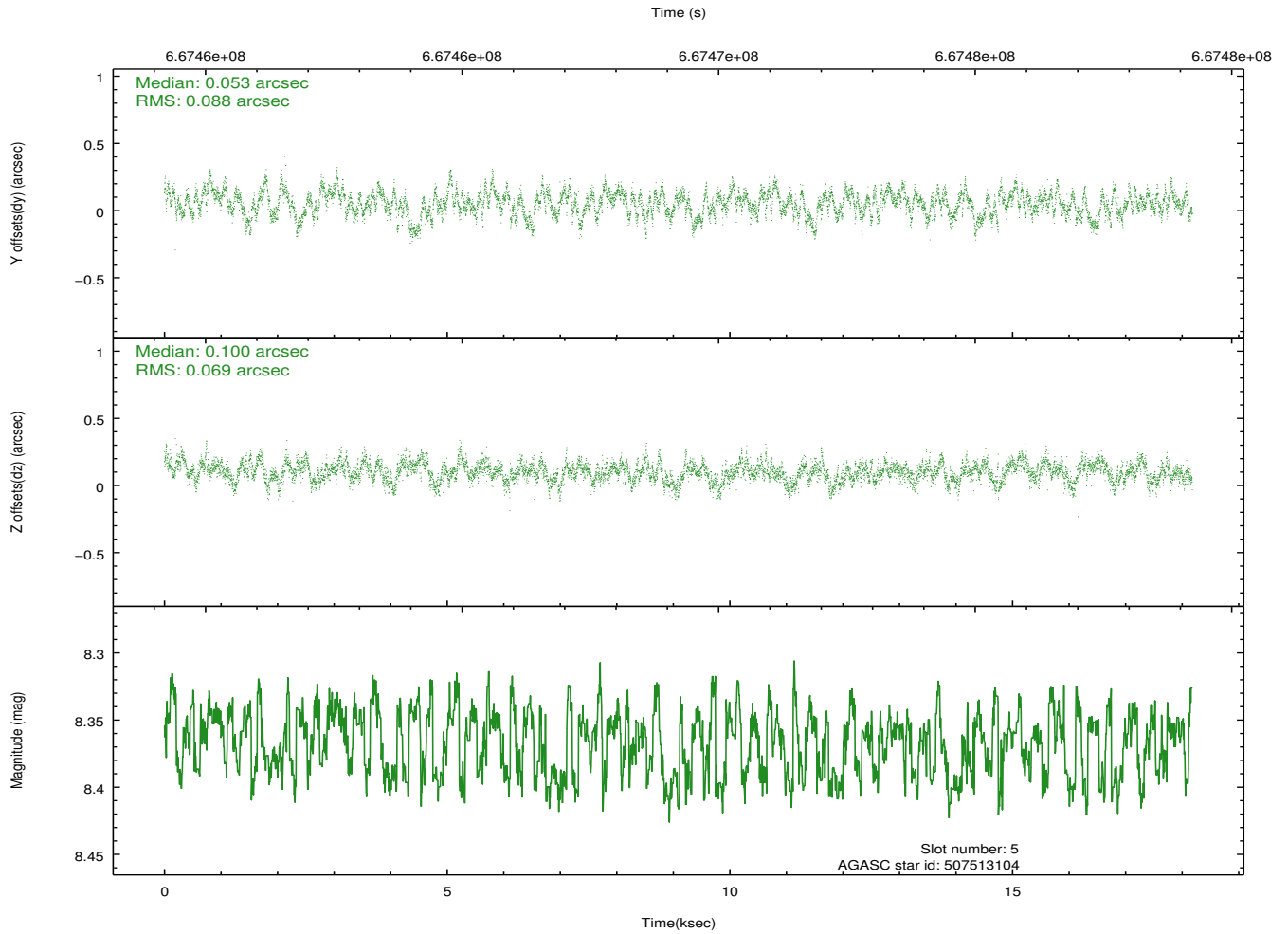
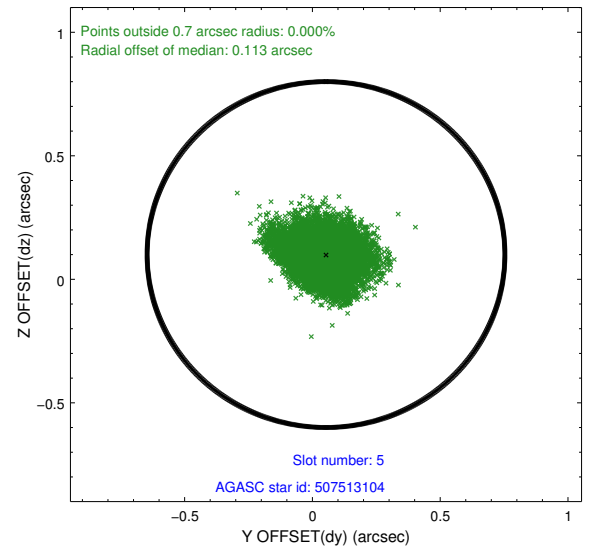
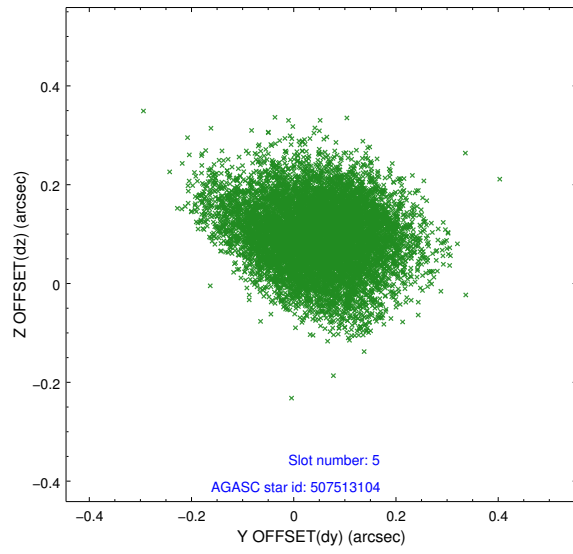
2.4.1 Slot 3



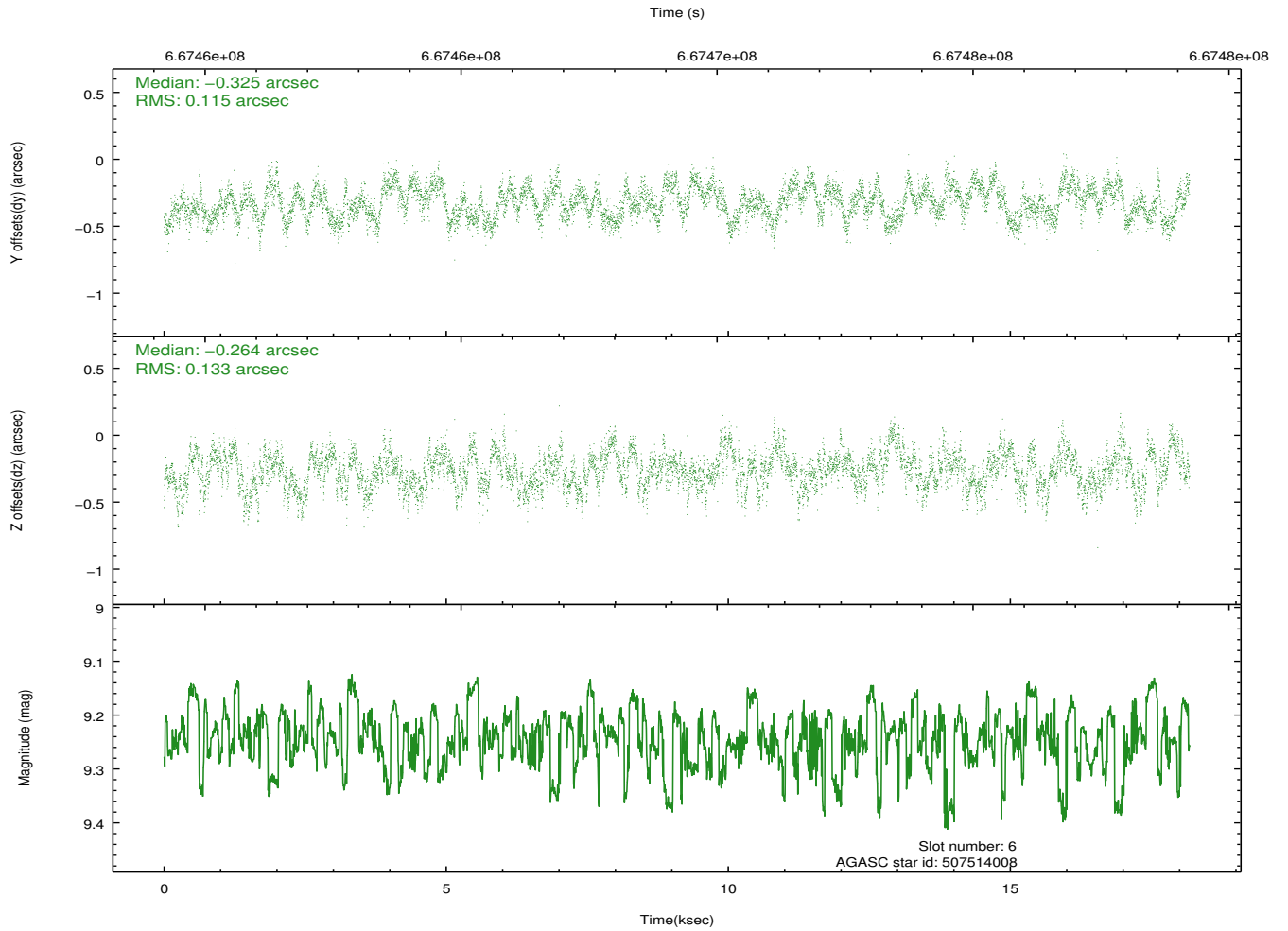
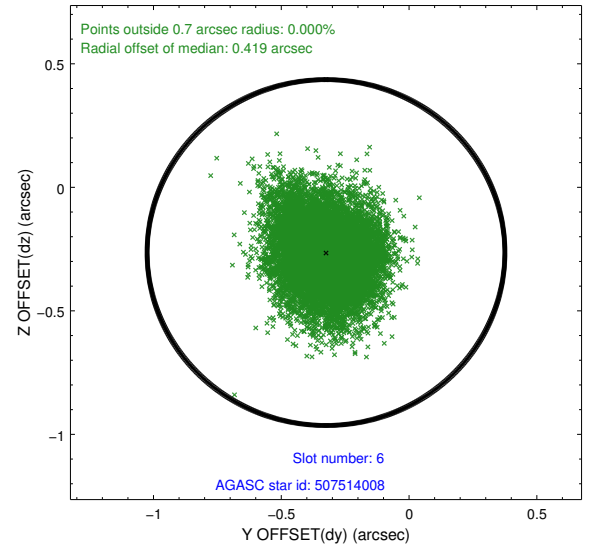
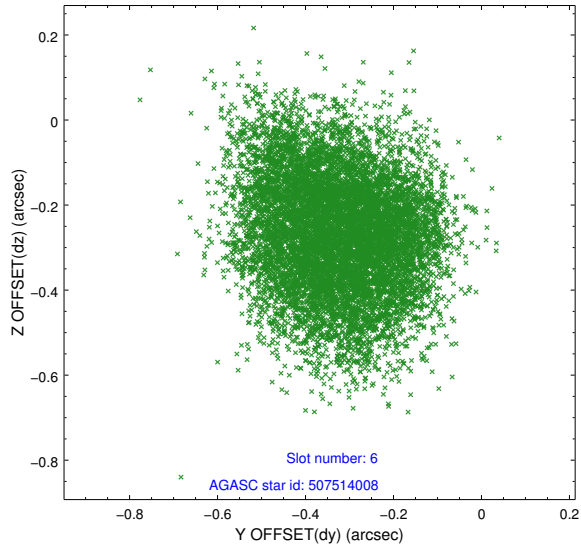
2.4.2 Slot 4



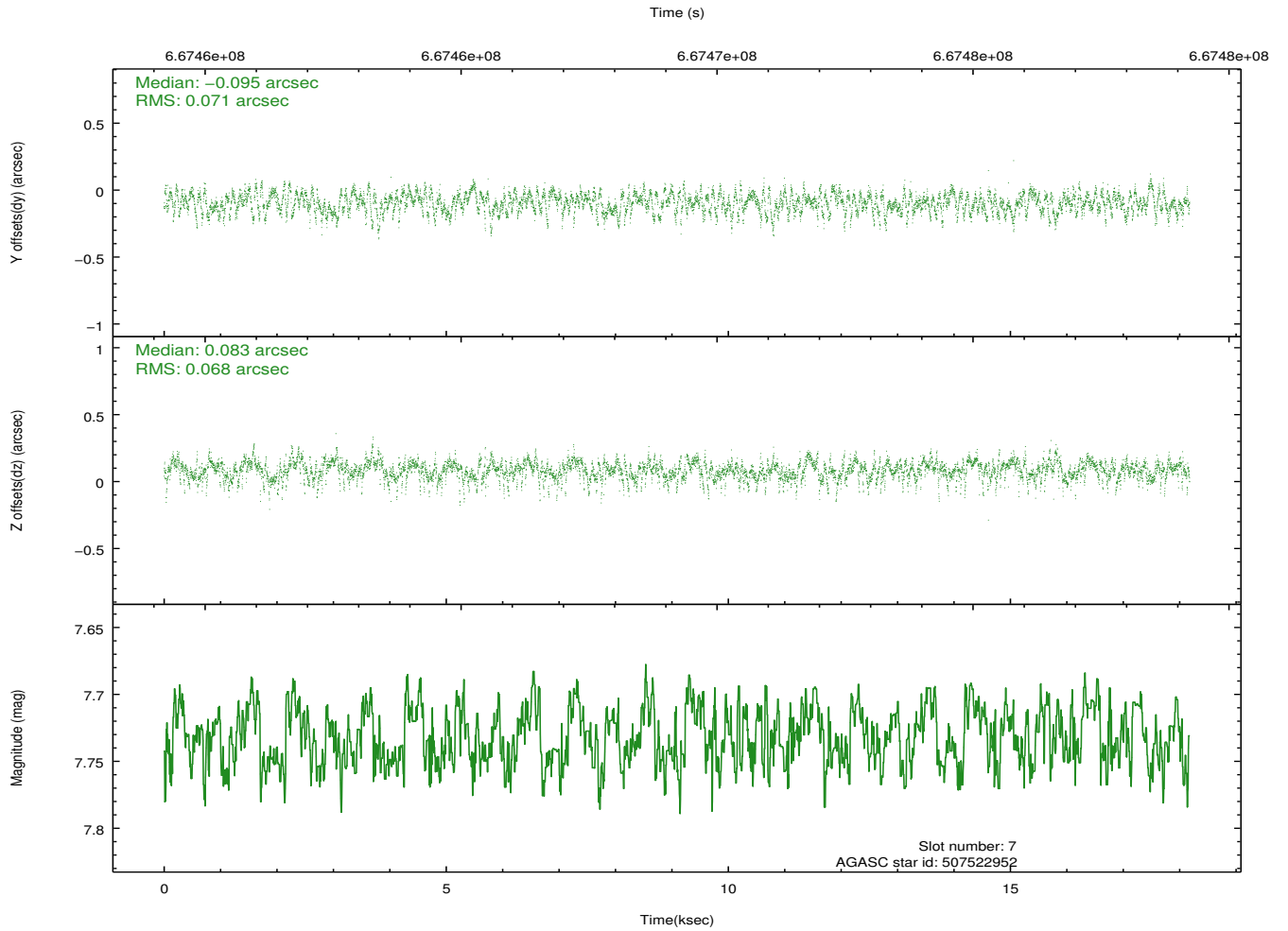
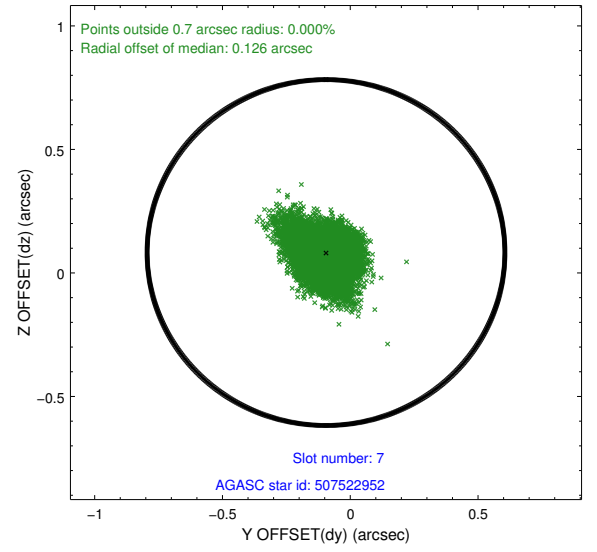
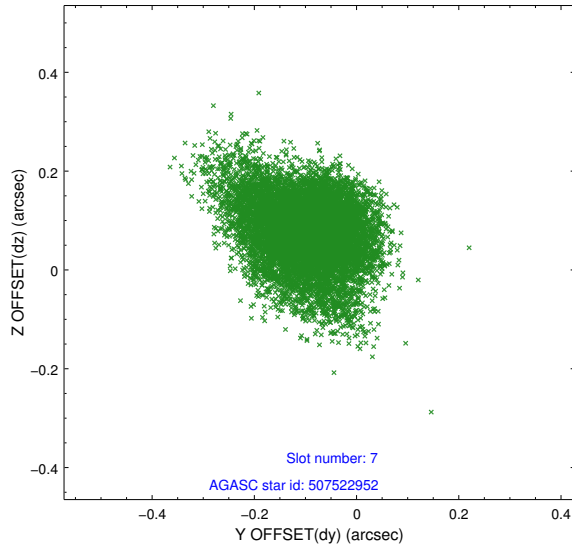
2.4.3 Slot 5



2.4.4 Slot 6

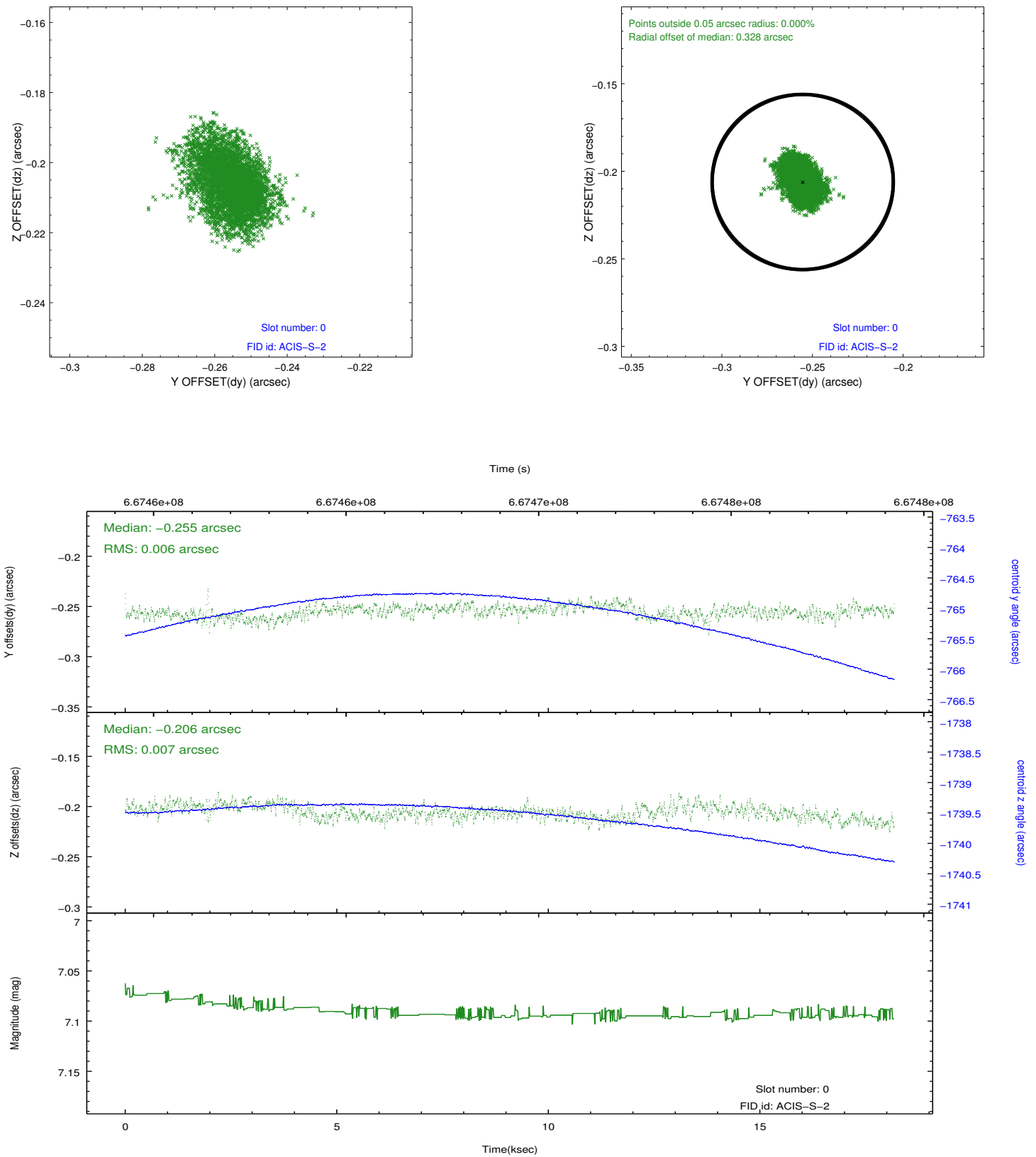


2.4.5 Slot 7

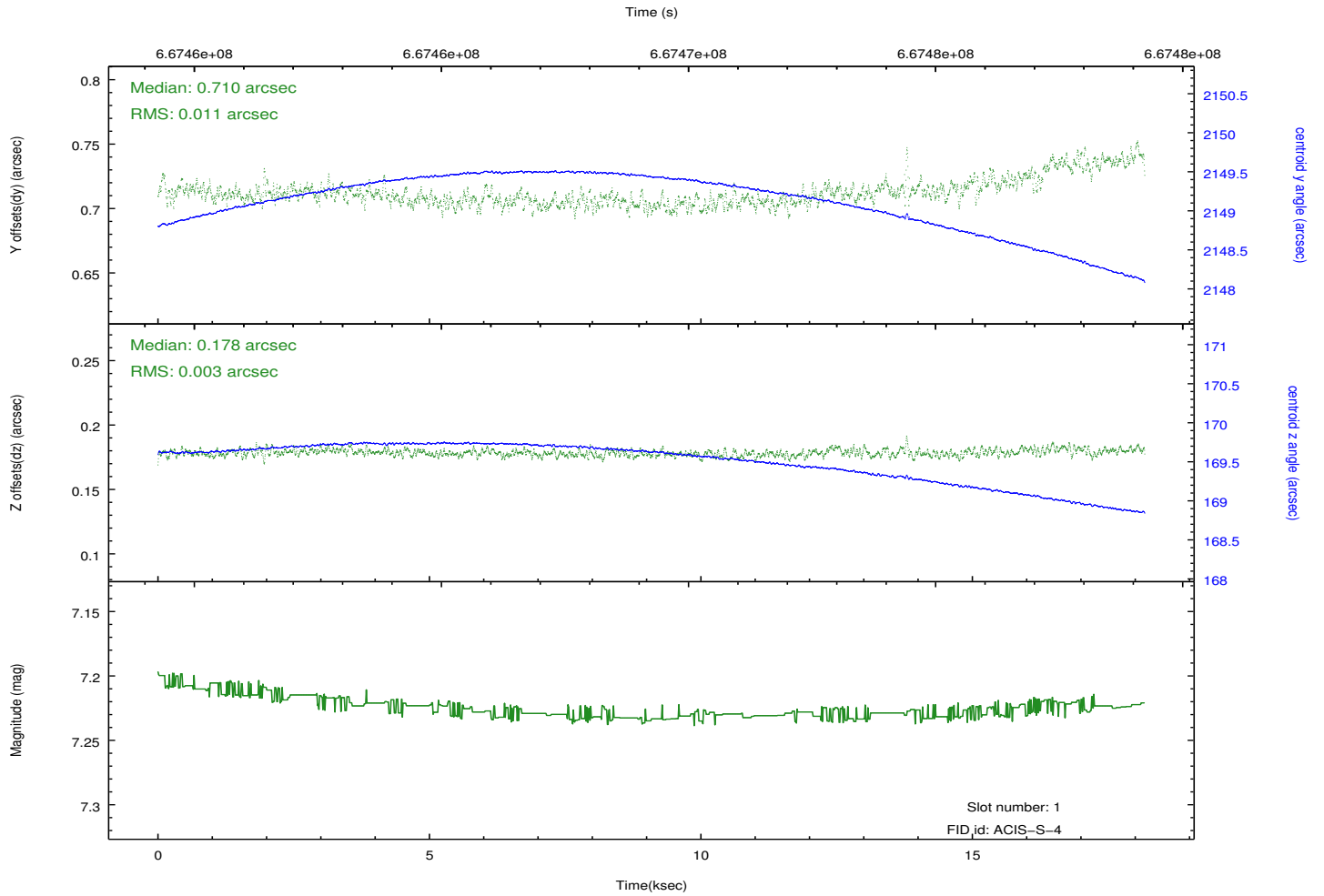
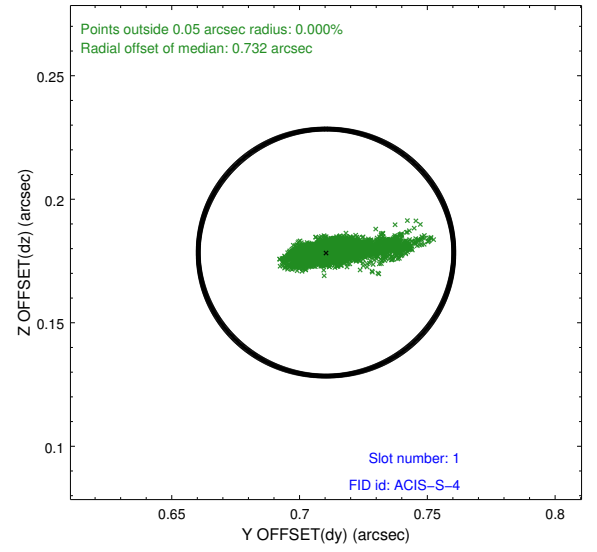
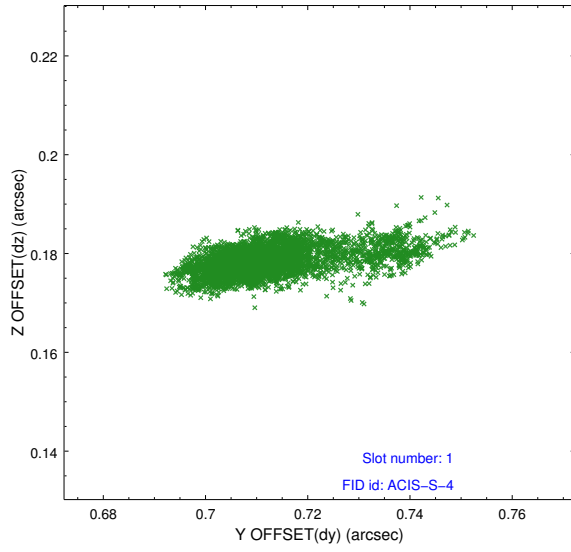


2.5 FID Slots

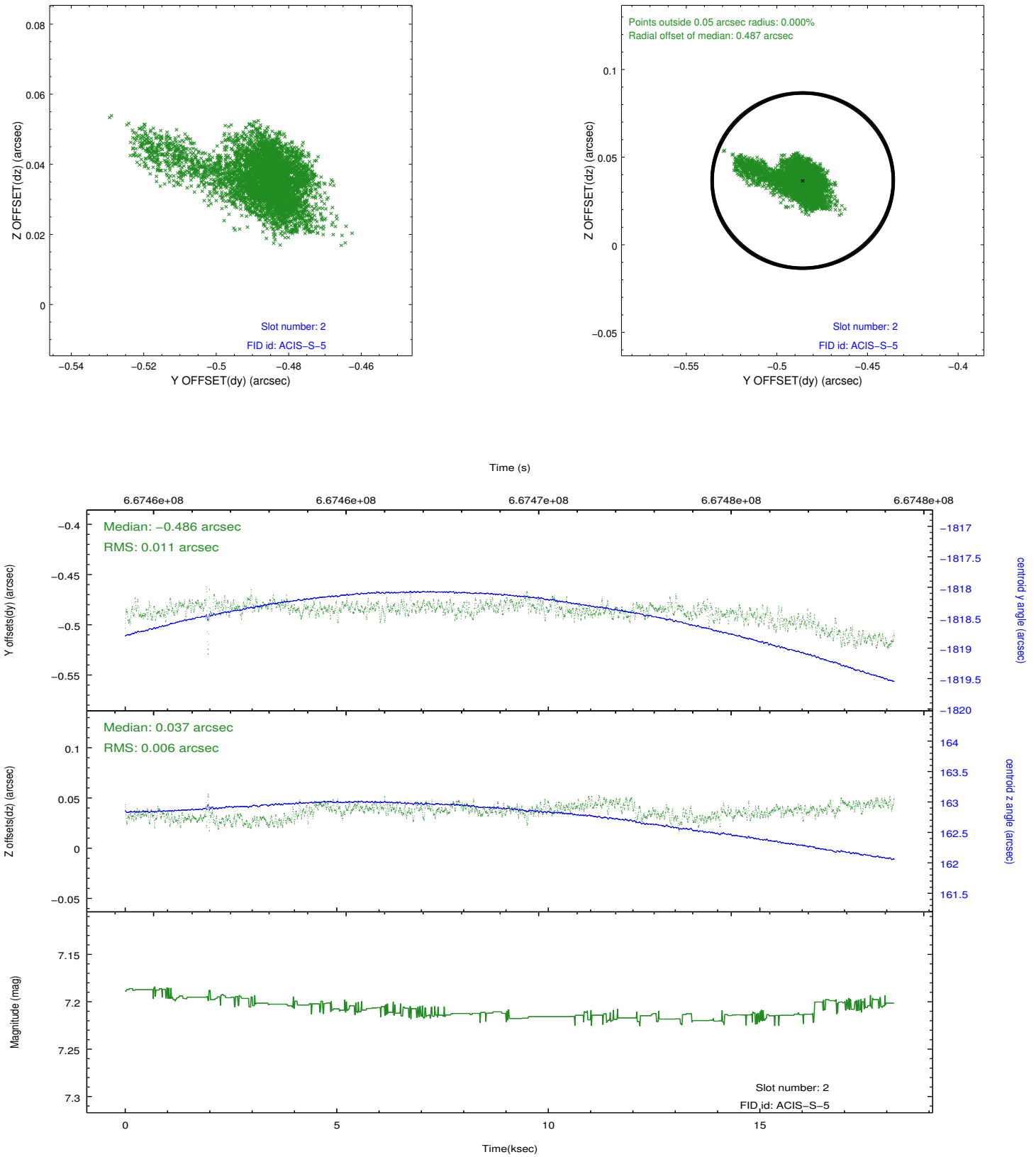
2.5.1 Slot 0



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)	2019.02.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.06680013907

A.2 Comments