

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21447 - L2 Version 1
Chandra X-Ray Center

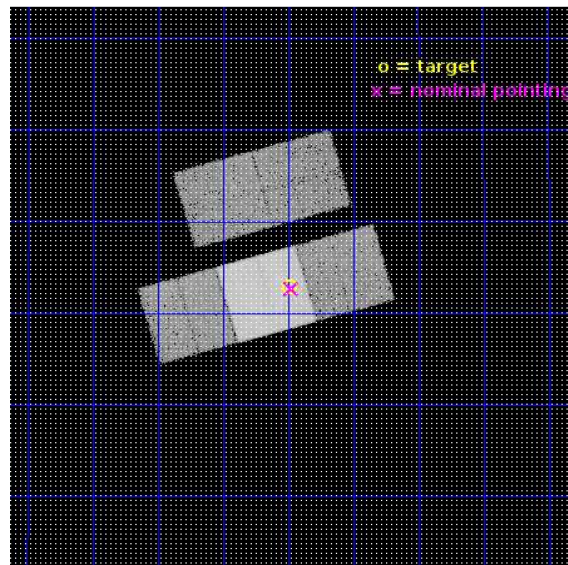
L2 Processing Date : Mar 10 2019

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

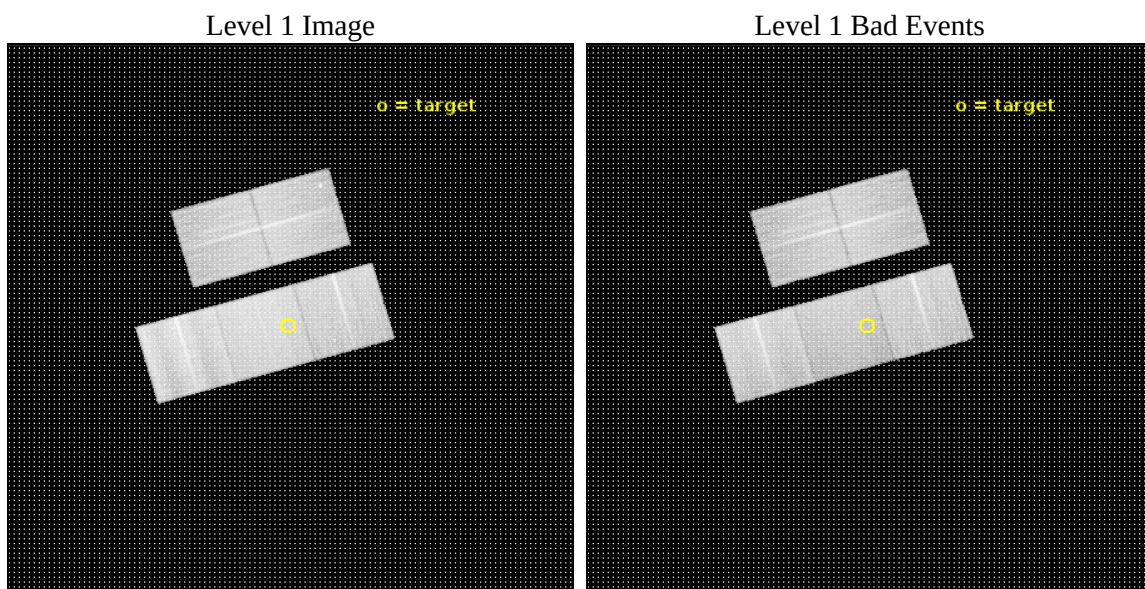
seq_num	703744	Sequence number
obs_id	21447	Observation id
title	Testing Mid-Infrared AGN Selection in Dwarf Galaxies with Chandra and HST	Proposal title
observer	Amy Reines	Principal investigator
object	J114359.58+244251.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.998333	Observer's specified target RA [deg]
dec_targ	24.714389	Observer's specified target Dec [deg]
ra_nom	175.9940412777	Nominal RA [deg]
dec_nom	24.711315796218	Nominal Dec [deg]
roll_nom	164.06336873805	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24753.500190496	Sum of GTIs [s]
livetime	24430.077487246	Livetime [s]
ontime2	24750.359130263	Sum of GTIs [s]
ontime3	24750.359100103	Sum of GTIs [s]
ontime6	24753.500190496	Sum of GTIs [s]
ontime7	24753.500190496	Sum of GTIs [s]
ontime8	24753.500190496	Sum of GTIs [s]
l2events	177621	Number of level 2 events



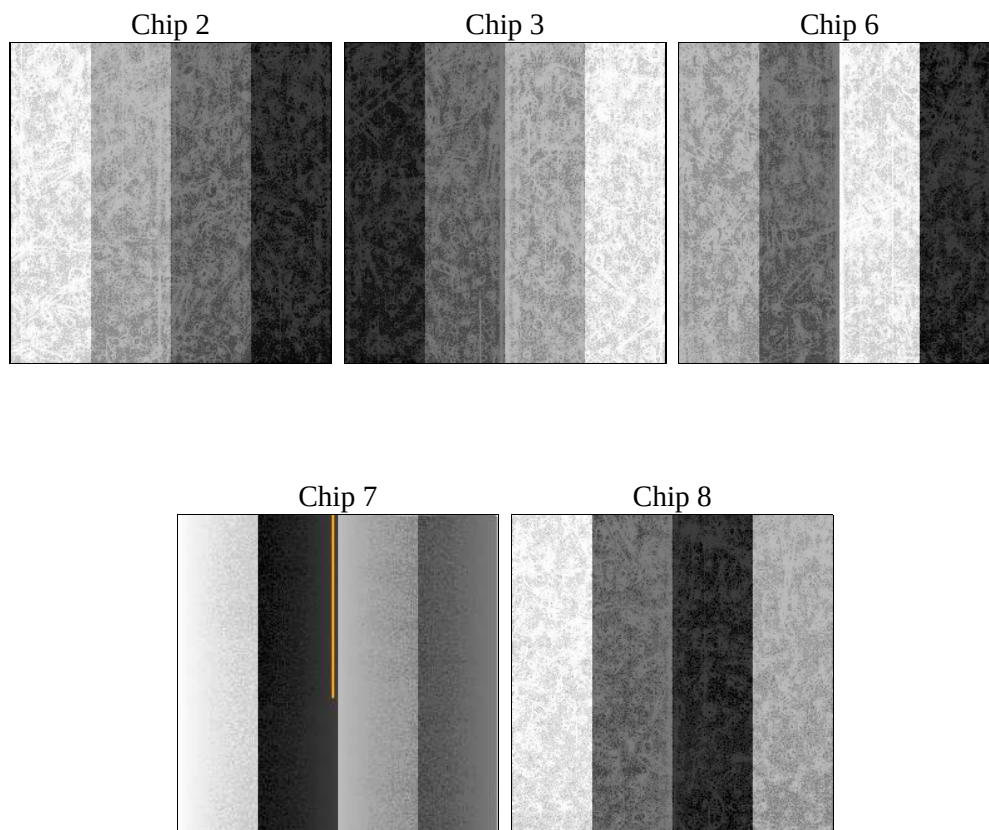
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24700.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	24753.500190496	Sum of GTIs [s]
caldsver	4.8.2	 	ontime2	24750.359130263	Sum of GTIs [s]
date	2019-03-10T23:25:37	Date and time of file creation	ontime3	24750.359100103	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	24753.500190496	Sum of GTIs [s]
			ontime7	24753.500190496	Sum of GTIs [s]
			ontime8	24753.500190496	Sum of GTIs [s]
			l1events	1089713	Number of level 1 events

2.1.4 Events

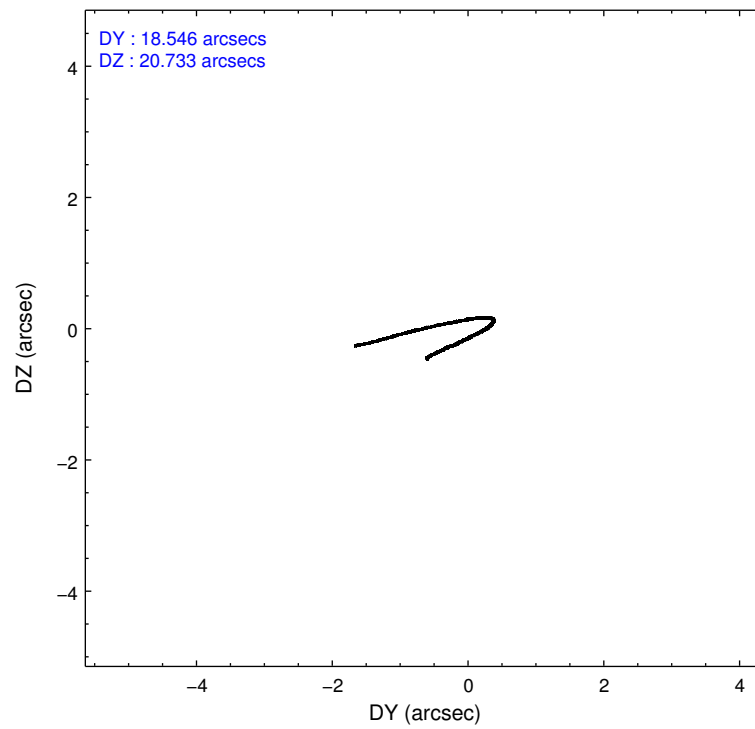
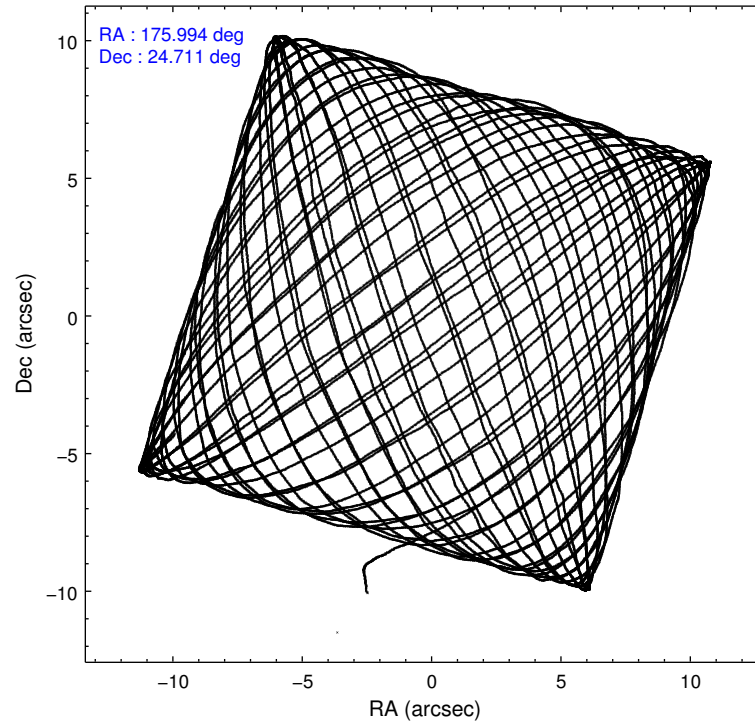
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	193857	185143	202661	250421	257631	grade 0 events	7978	6731	7147	8723	18821
rejected events	172762	165847	180754	143747	189132		4%	3%	3%	3%	7%
rejected %	89%	89%	89%	57%	73%	grade 1 events	102	101	103	404	211
							0%	0%	0%	0%	0%
						grade 2 events	4954	4346	5321	22955	16578
							2%	2%	2%	9%	6%
						grade 3 events	2078	2081	2097	8111	7409
							1%	1%	1%	3%	2%
						grade 4 events	2107	2086	2017	8285	6958
							1%	1%	0%	3%	2%
						grade 5 events	7489	8833	8832	24398	13713
							3%	4%	4%	9%	5%
						grade 6 events	3980	4053	5328	58633	18759
							2%	2%	2%	23%	7%
						grade 7 events	165169	156912	171816	118912	175182
							85%	84%	84%	47%	67%

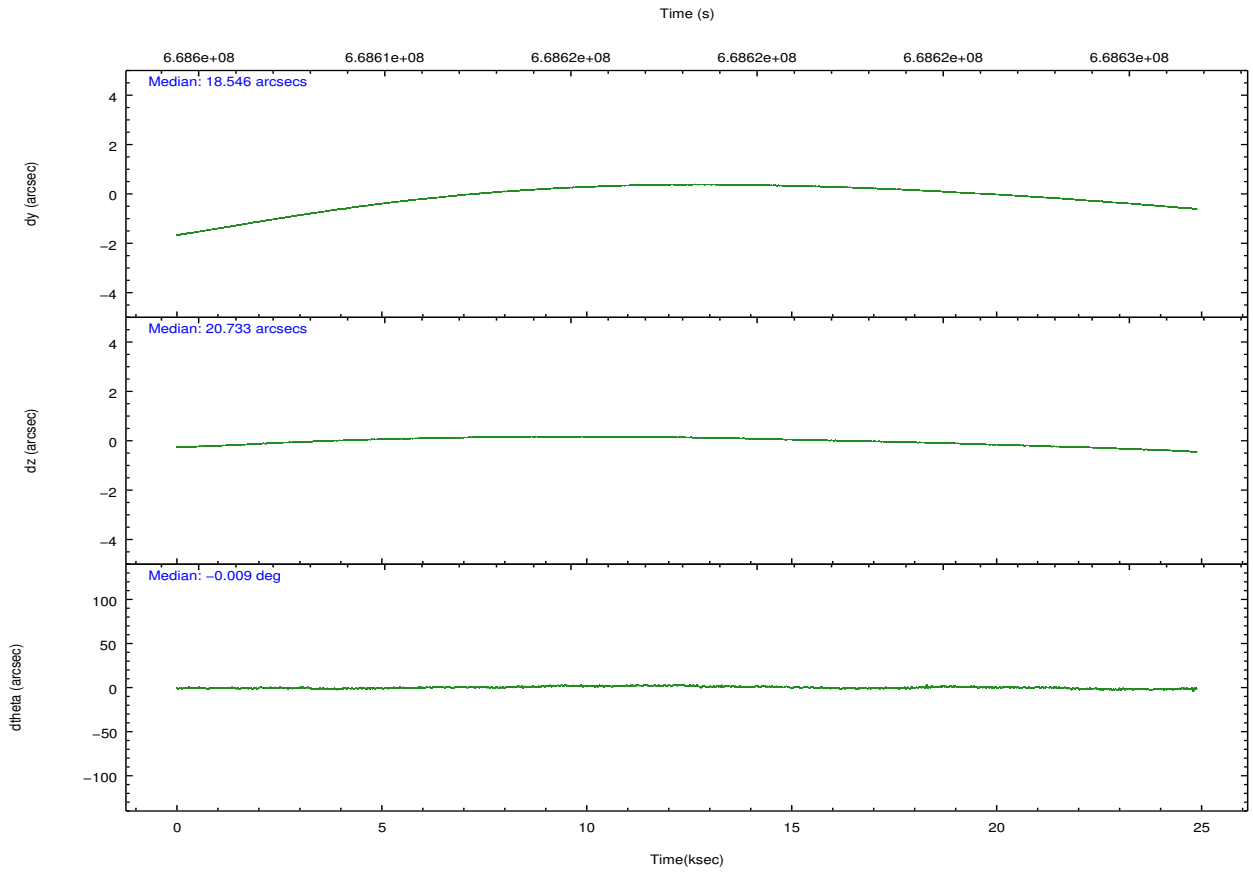
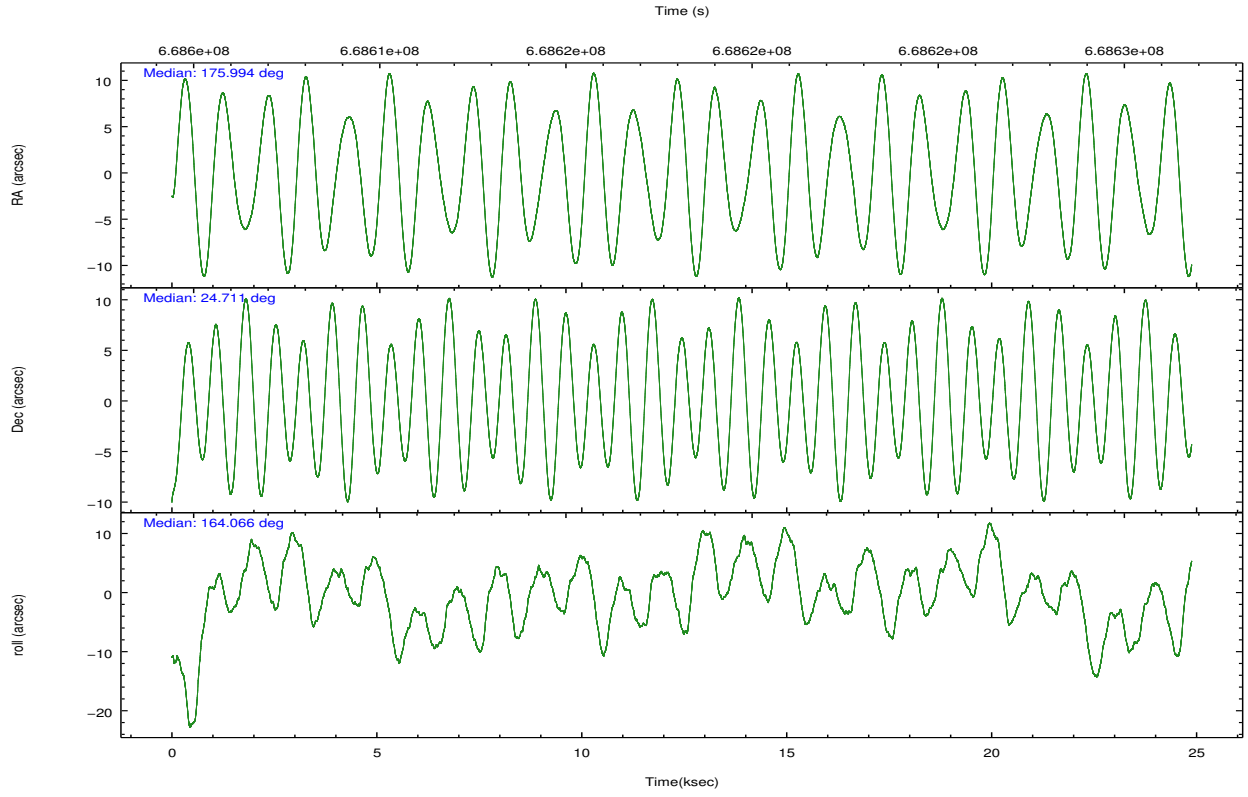
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	176.023247	175.994041277699
[deg] Pointing Dec	24.718350	24.71131579621778
[deg] Pointing Roll	163.894528	164.0633687380494
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	668605864.184000	668604891.22814
Observation start date	2019-03-10T11:49:55	2019-03-10T11:34:51
[s] Observation end time (MET)	668630564.184000	668630893.9421999
Observation end date	2019-03-10T18:41:35	2019-03-10T18:48:13
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	O1	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



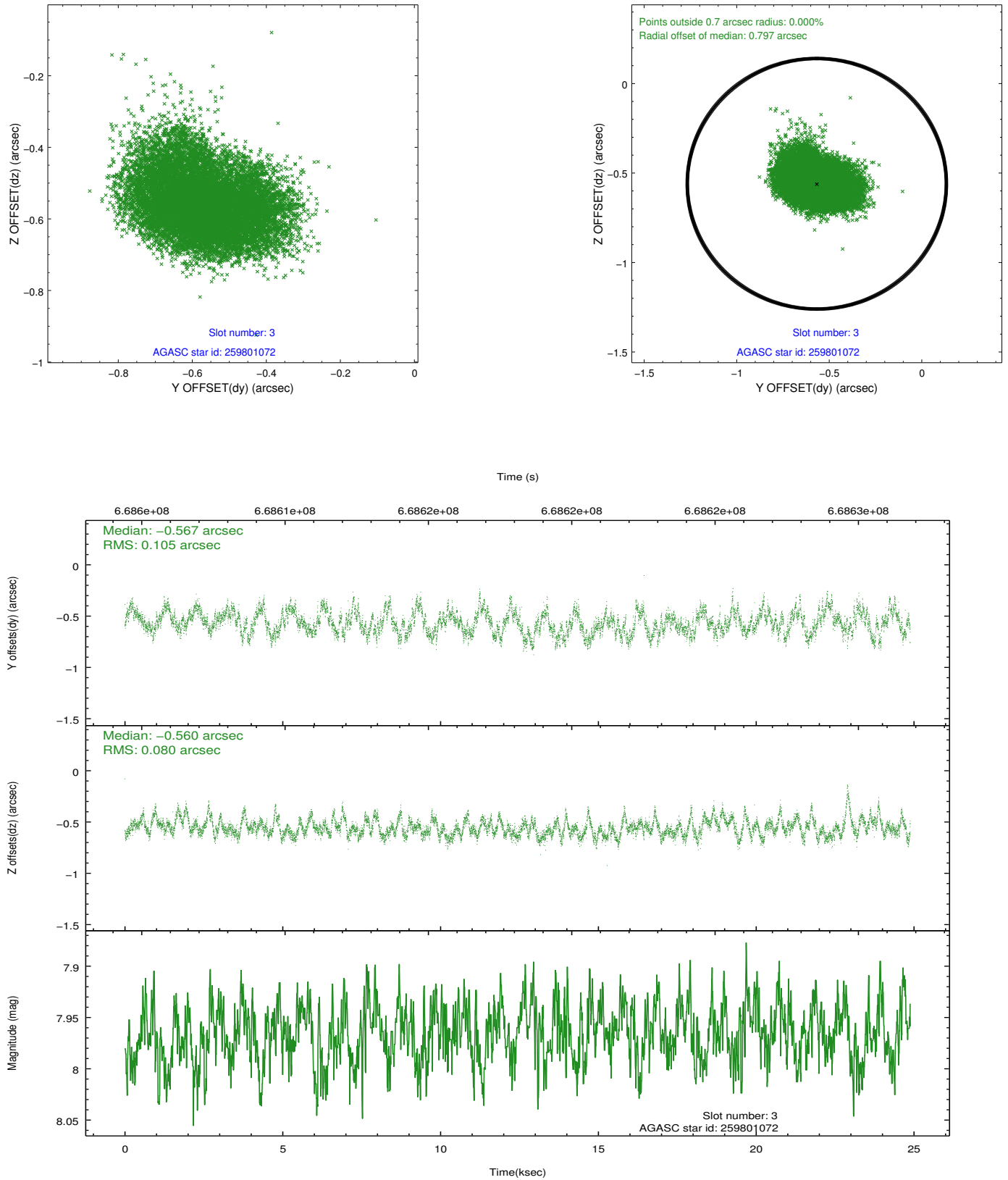


Slot Statistics

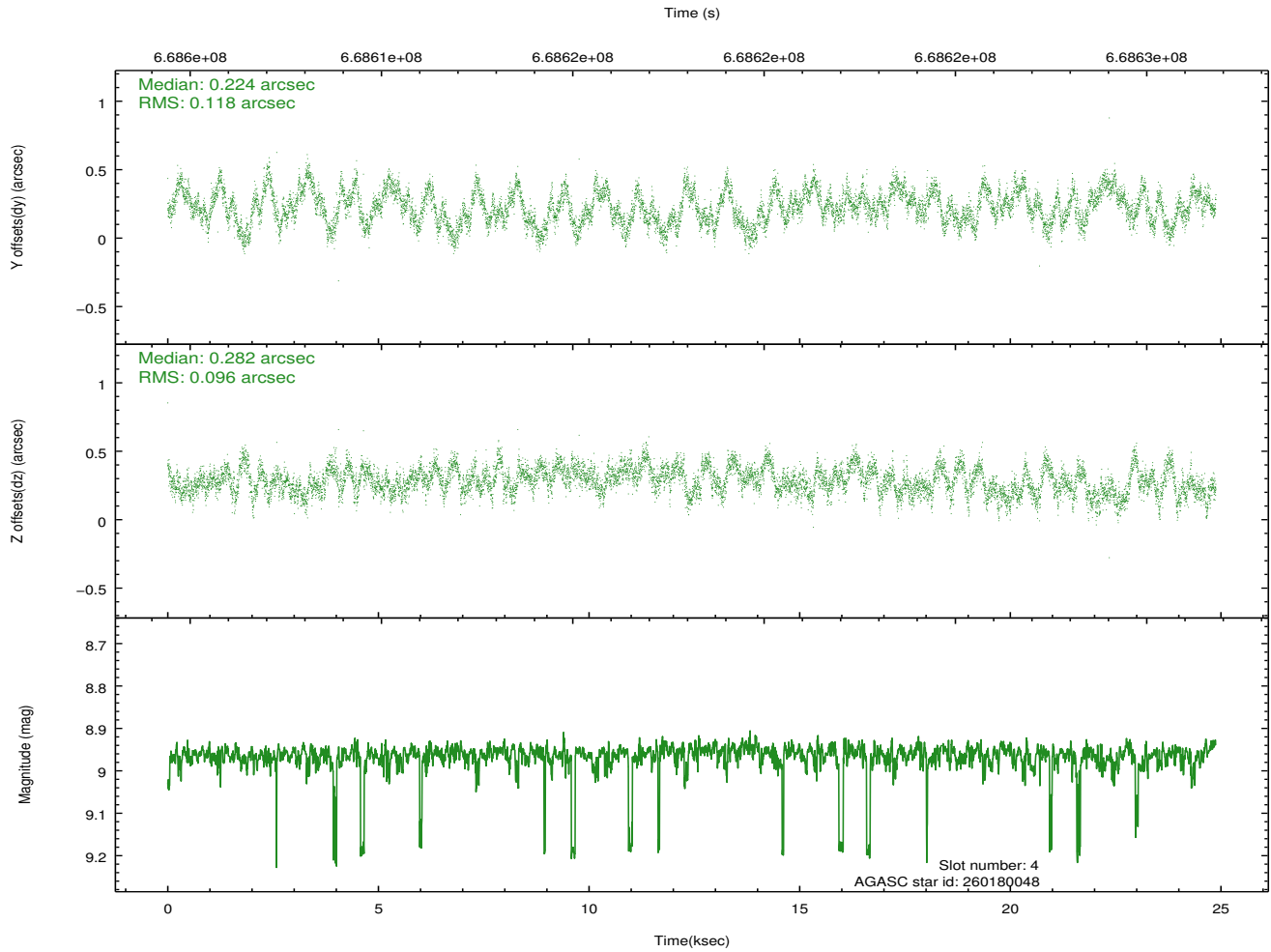
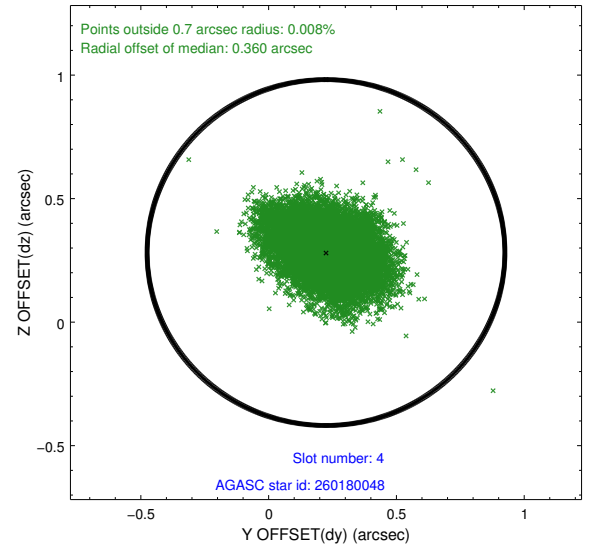
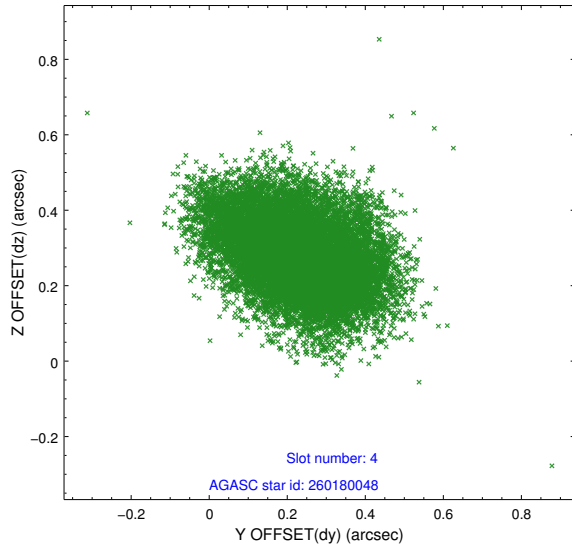
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.14	6069	1.000	0.214	-0.158	0.014	0.024	0.000000	0.000000	924.90	-1737
1	FID		ACIS-S-5	7.14	6068	1.000	-0.541	0.063	0.011	0.025	0.000000	0.000000	-1824.89	159
2	FID		ACIS-S-6	7.31	6069	1.000	0.306	0.107	0.014	0.021	0.000000	0.000000	390.27	803
3	GUIDE	used	259801072	7.97	12134	1.000	-0.567	-0.560	0.143	0.225	175.308498	24.805951	2333.51	339
4	GUIDE	used	260180048	8.96	12128	1.000	0.224	0.282	0.165	0.255	176.476011	24.821202	-1316.49	-767
5	GUIDE	used	260181096	9.45	12118	1.000	-0.396	-0.451	0.171	0.315	176.171257	24.066946	-1117.53	2117
6	GUIDE	used	260181112	9.83	11948	1.000	0.159	0.496	0.282	0.449	176.602671	24.722008	-1814.23	-540
7	GUIDE	used	260186352	8.47	12132	1.000	0.550	0.217	0.155	0.253	176.381242	25.111008	-726.51	-1681

2.4 Star Slots

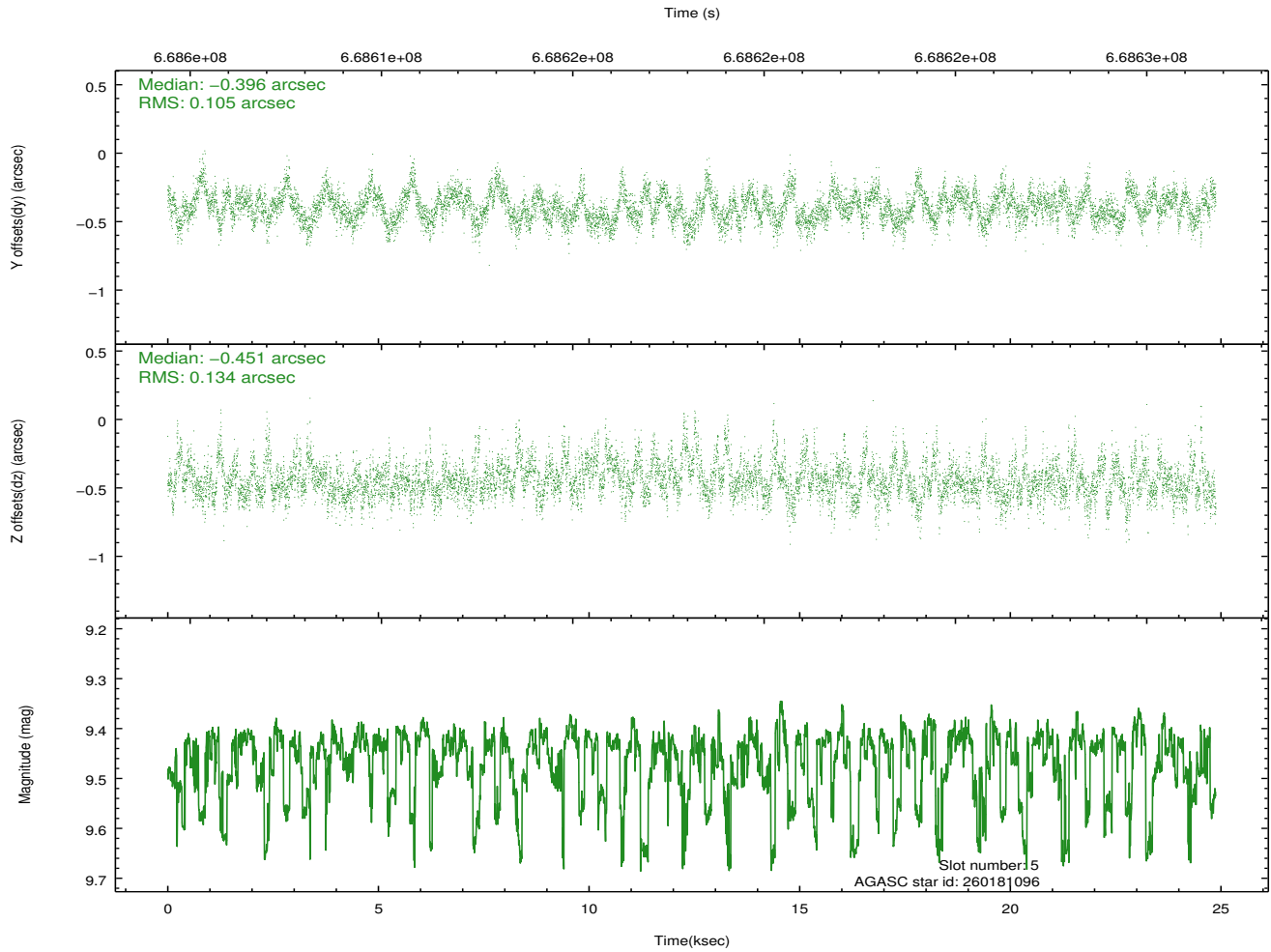
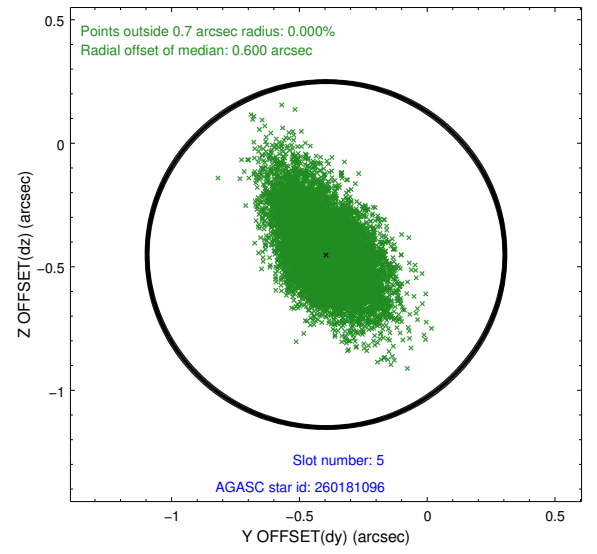
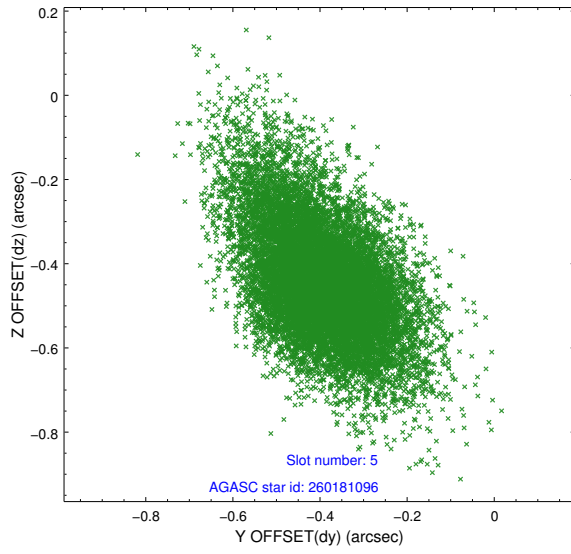
2.4.1 Slot 3



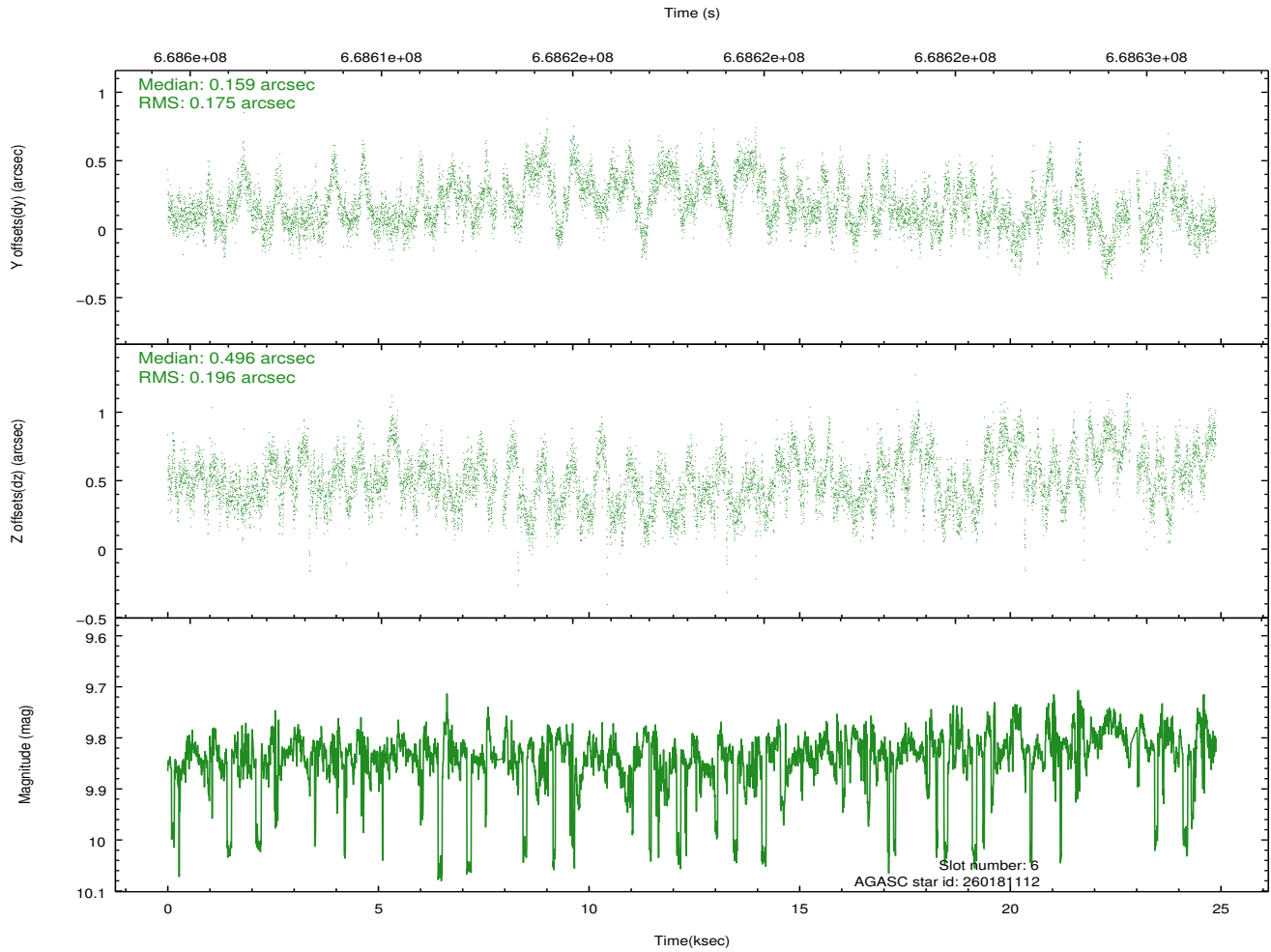
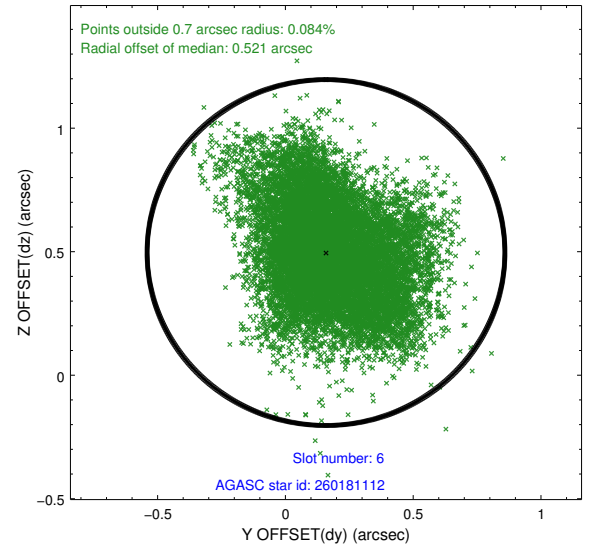
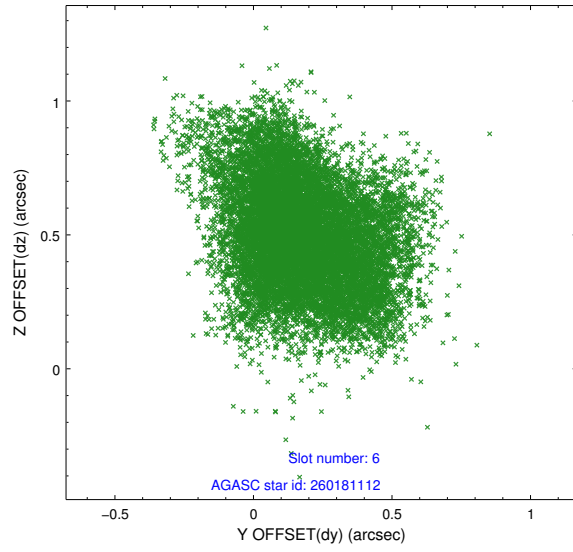
2.4.2 Slot 4



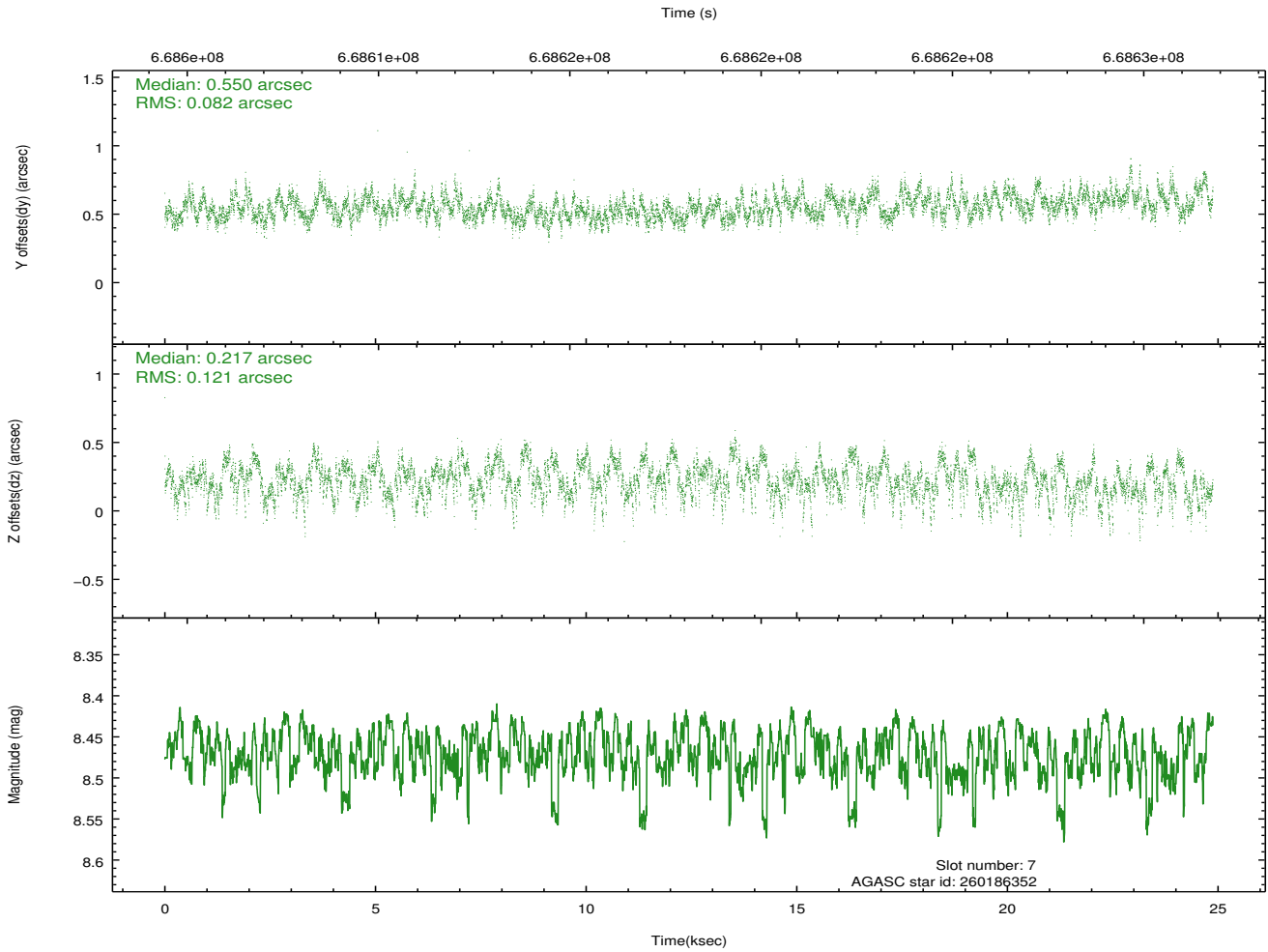
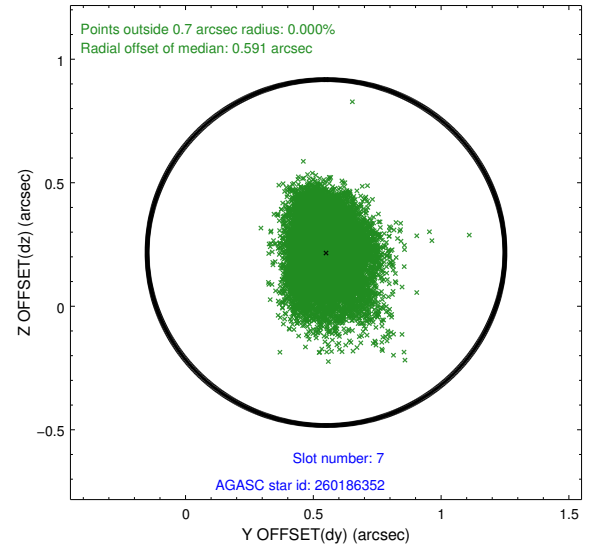
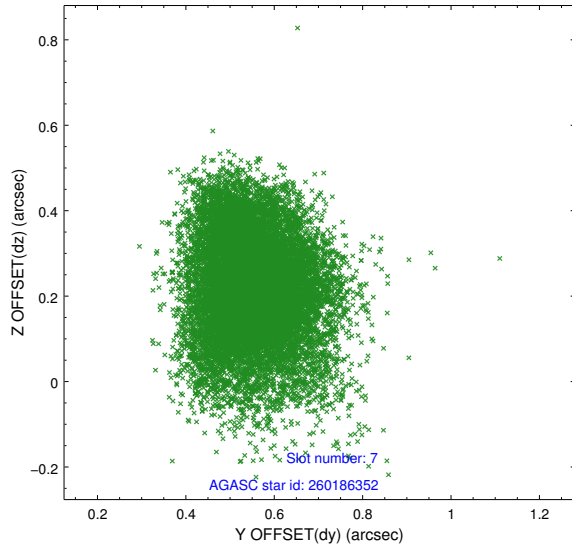
2.4.3 Slot 5



2.4.4 Slot 6

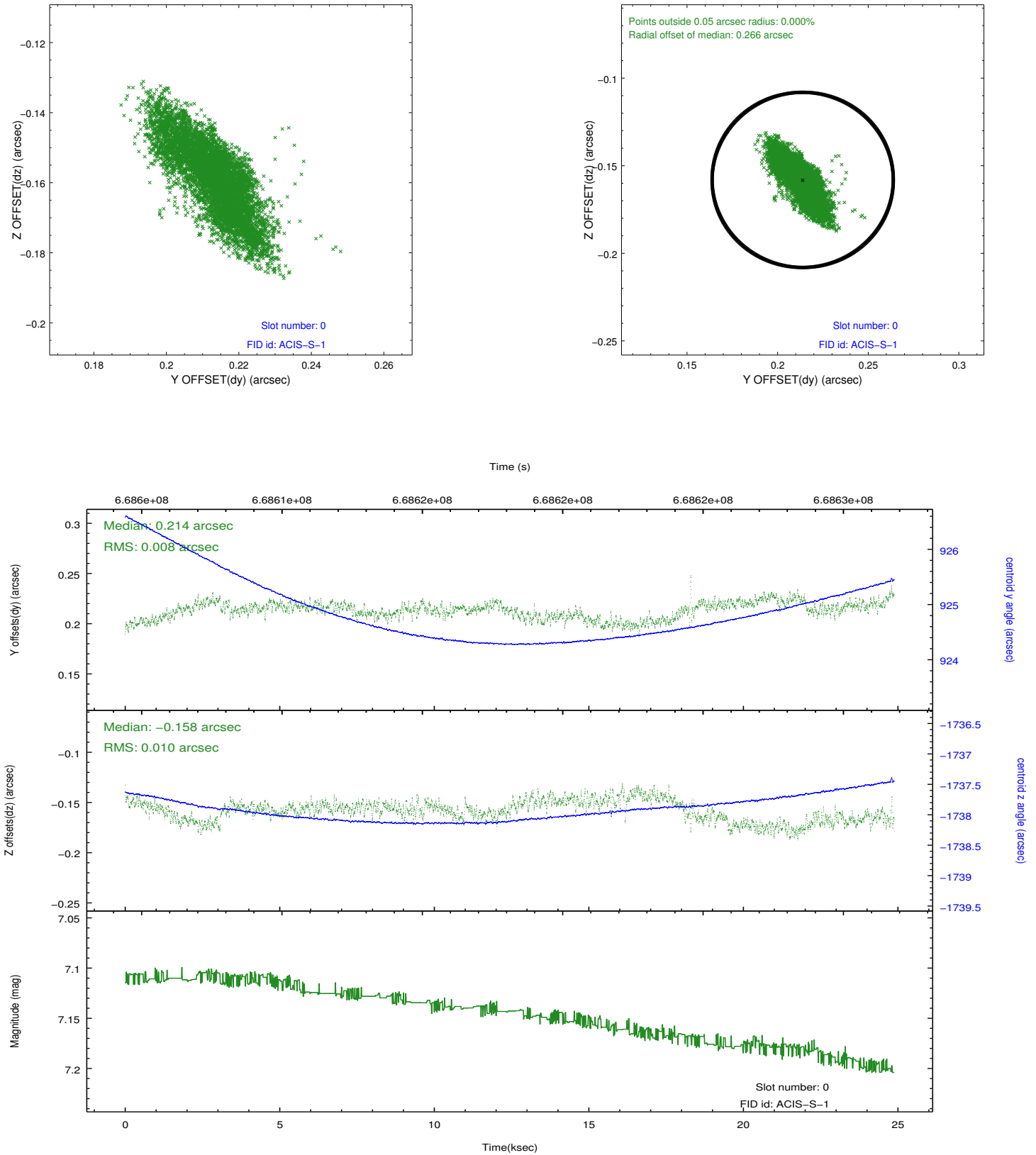


2.4.5 Slot 7

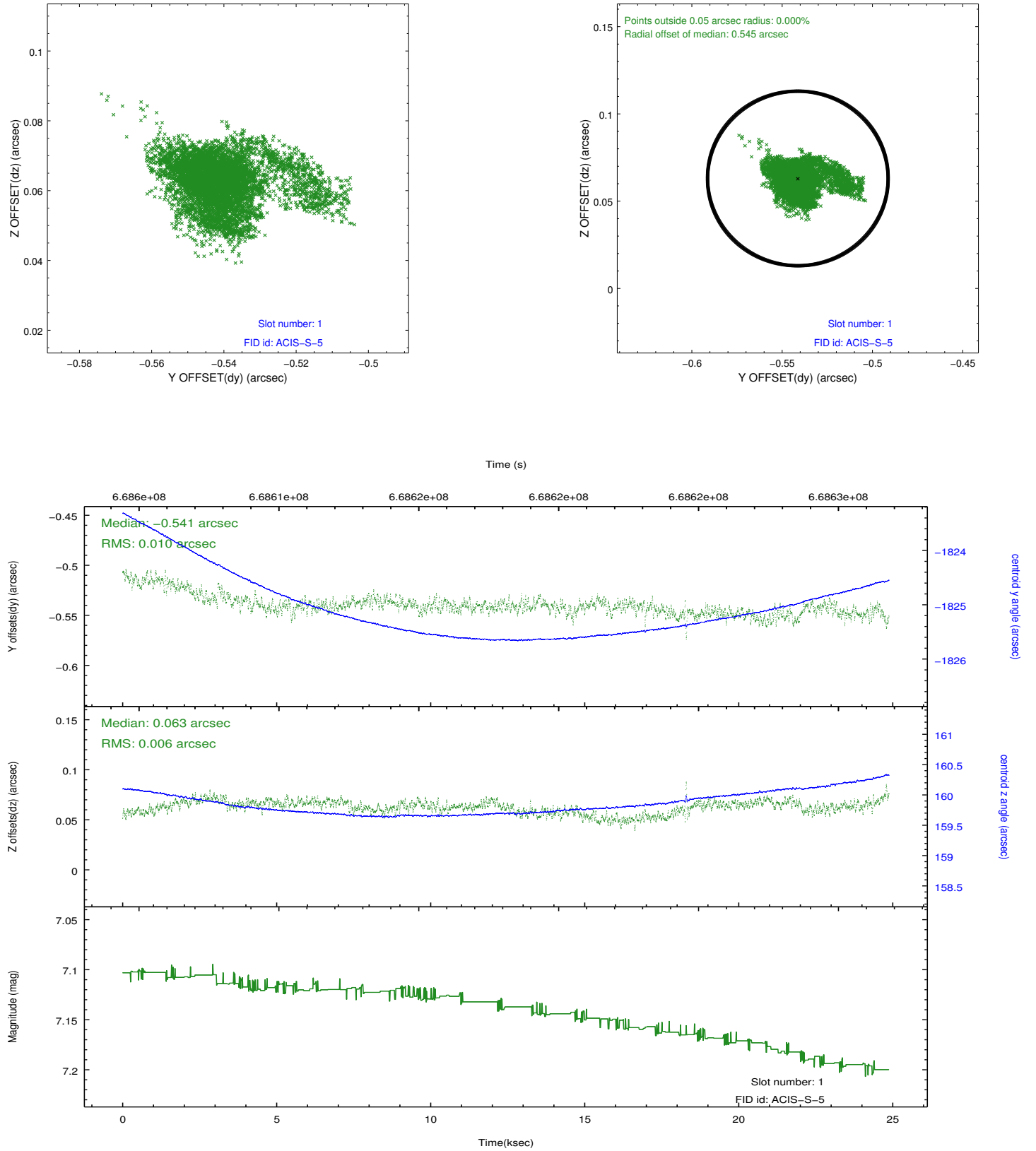


2.5 FID Slots

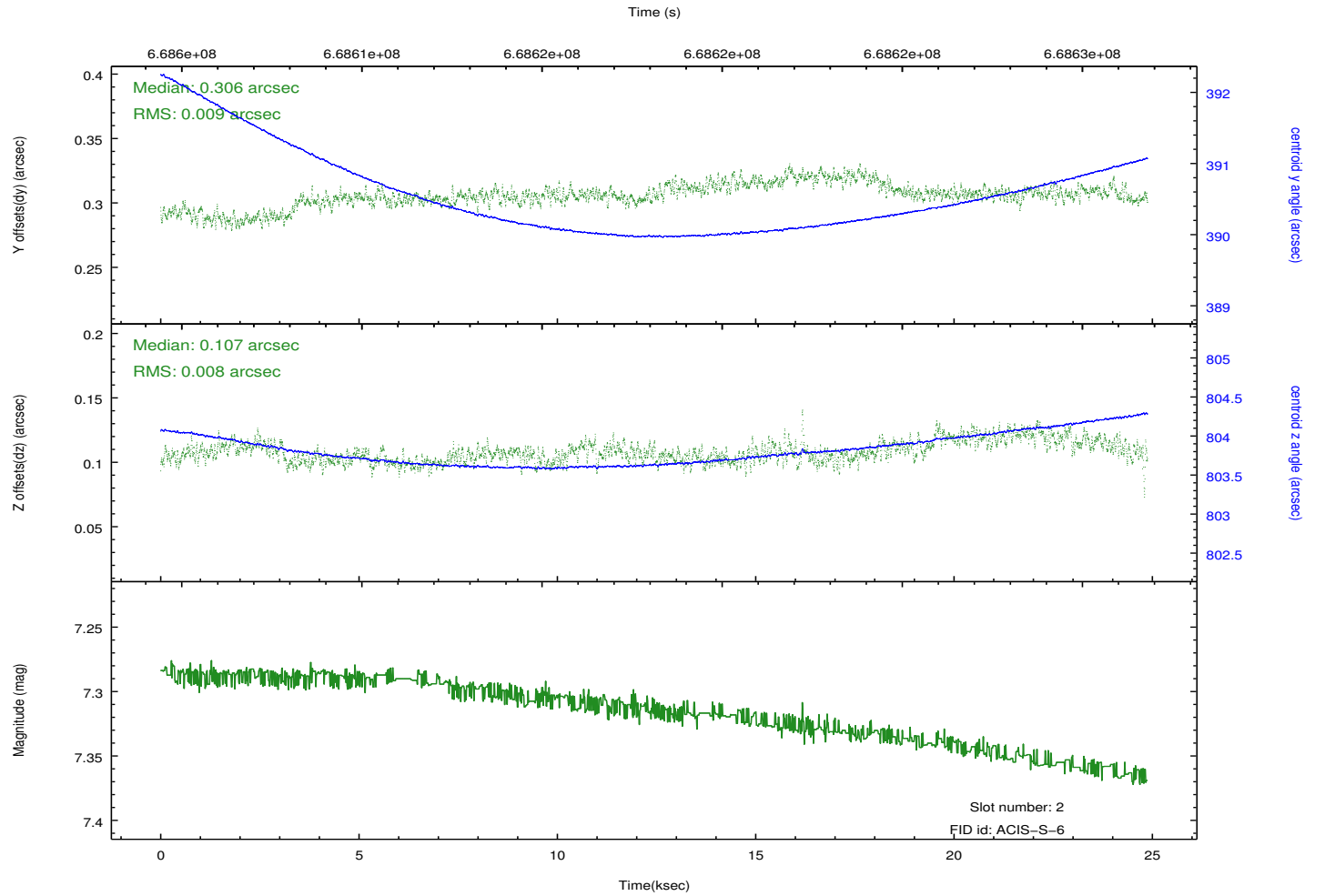
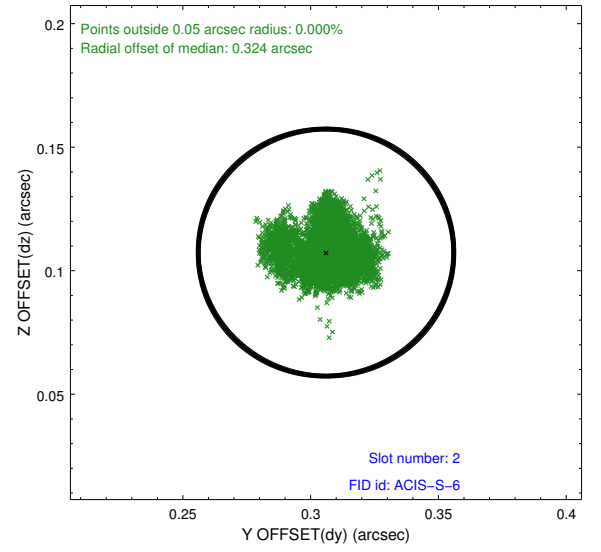
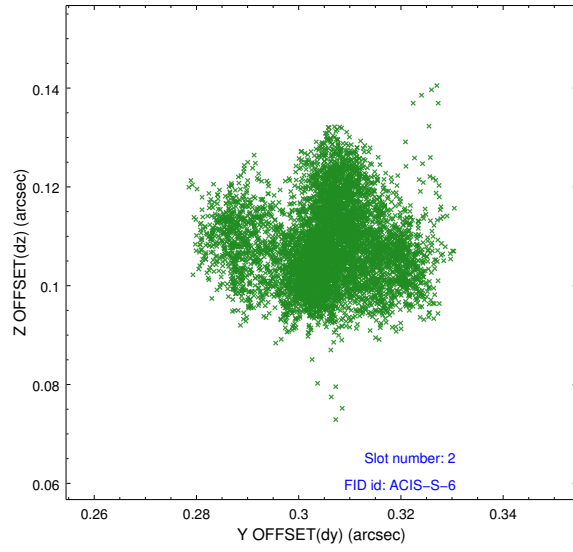
2.5.1 Slot 0



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)	2019.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.753500190496

A.2 Comments