

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 17742 - L2 Version 1
Chandra X-Ray Center

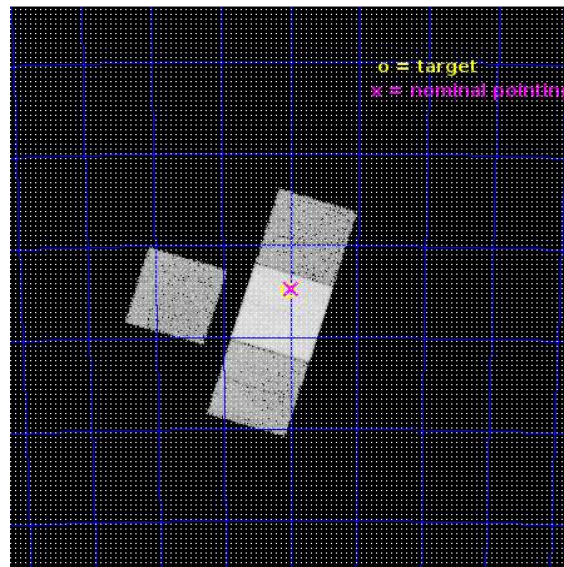
L2 Processing Date : Nov 21 2016

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1 Front

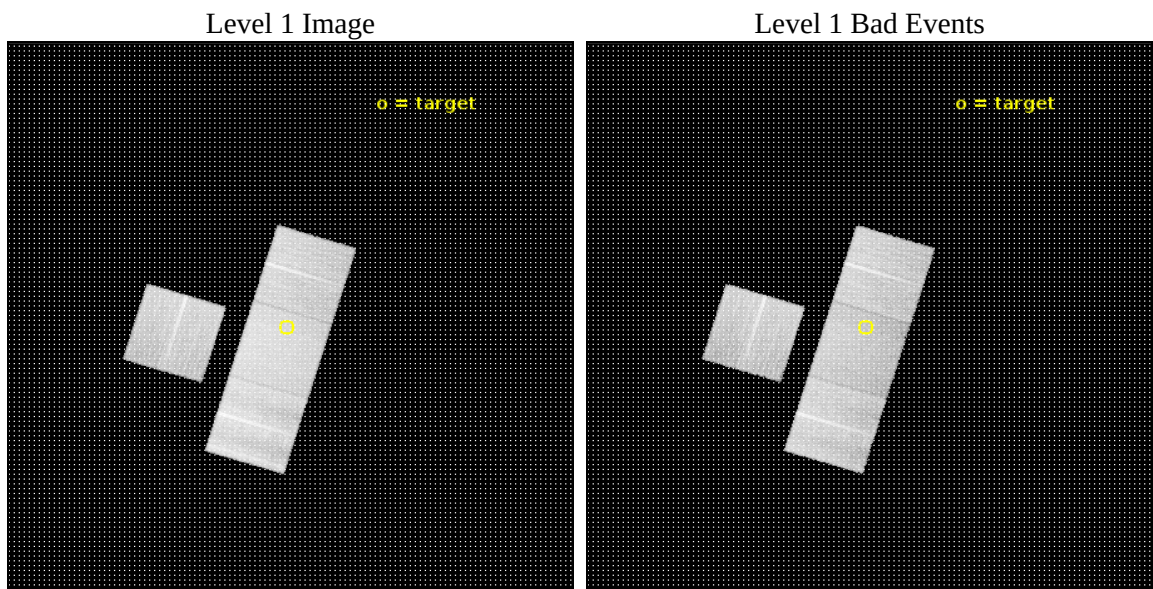
seq_num	201051	Sequence number
obs_id	17742	Observation id
title	THE X-RAY EMISSION FROM THE HIGHLY IONISED ESO-HA 574 JET	Proposal
observer	Dr Emma Whelan	Principal investigator
object	ESO-HA 574	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.012083	Observer's specified target RA [deg]
dec_targ	-76.414806	Observer's specified target Dec [deg]
ra_nom	168.99167562823	Nominal RA [deg]
dec_nom	-76.41252868111	Nominal Dec [deg]
roll_nom	107.13677104582	Nominal Roll [deg]
revision	1	Processing version of data
ontime	21504.70016551	Sum of GTIs [s]
livetime	21223.725426318	Livetime [s]
ontime3	21501.55919528	Sum of GTIs [s]
ontime6	21498.418205142	Sum of GTIs [s]
ontime7	21504.70016551	Sum of GTIs [s]
ontime8	21504.70016551	Sum of GTIs [s]
l2events	131081	Number of level 2 events



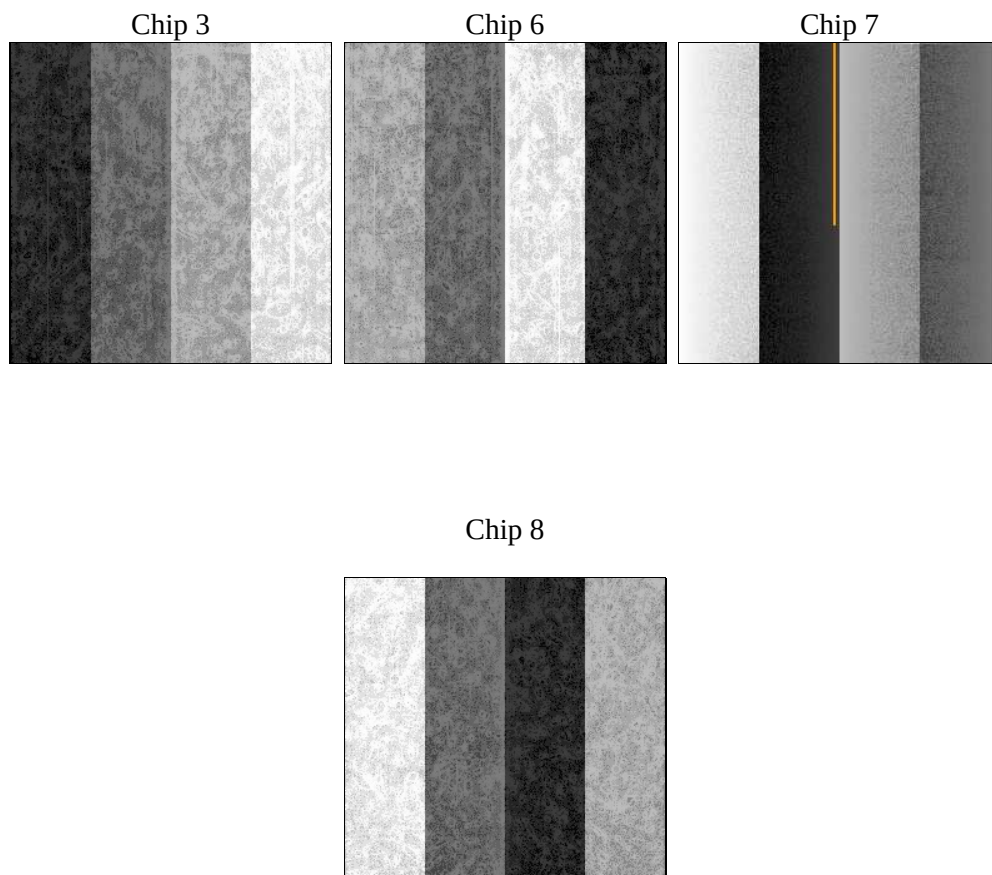
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	21437.848000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	21504.70016551	Sum of GTIs [s]
caldsver	4.7.2	 	ontime3	21501.55919528	Sum of GTIs [s]
date	2016-11-21T22:52:22	Date and time of file creation	ontime6	21498.418205142	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	21504.70016551	Sum of GTIs [s]
			ontime8	21504.70016551	Sum of GTIs [s]
			l1events	692332	Number of level 1 events

2.1.4 Events

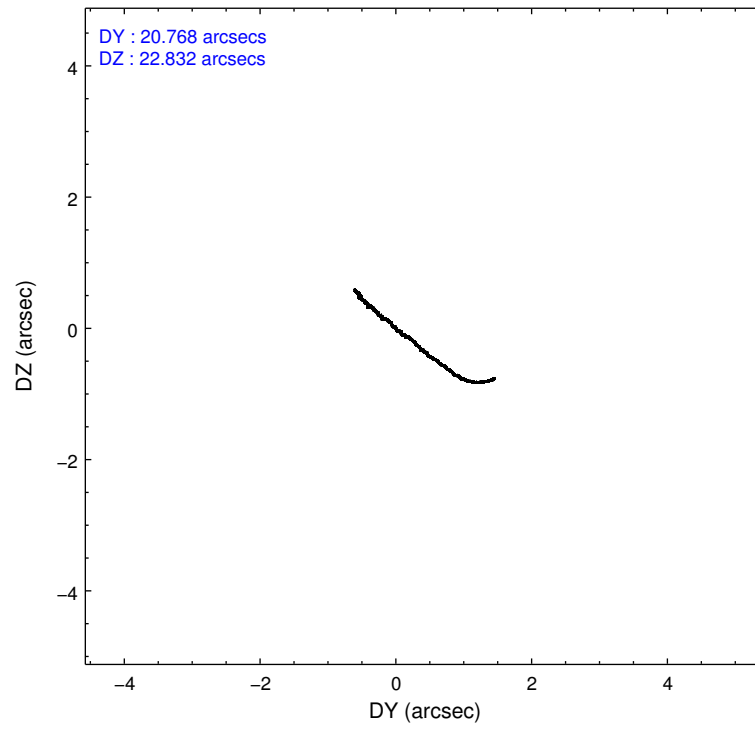
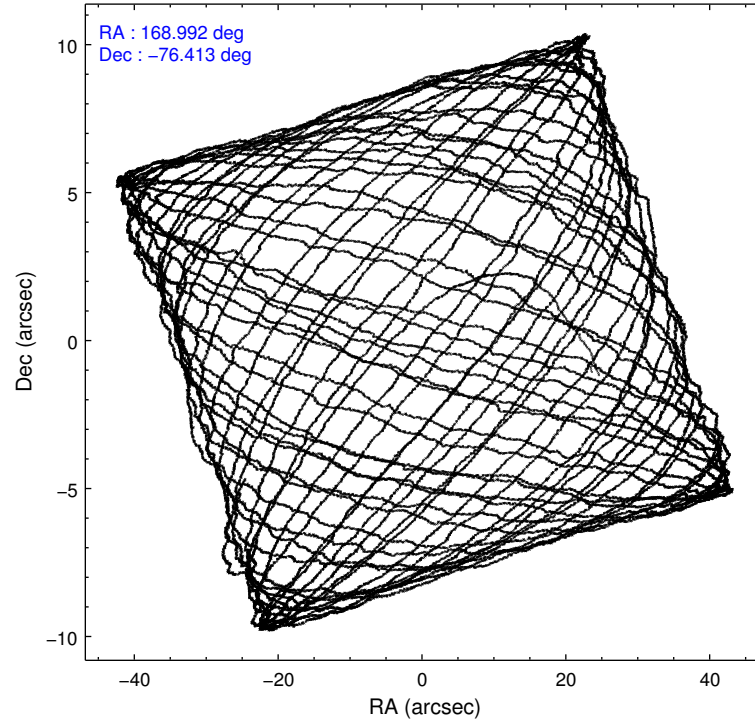
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	144723	155073	193557	198979
rejected events	128504	137873	108768	143408
rejected %	88%	88%	56%	72%

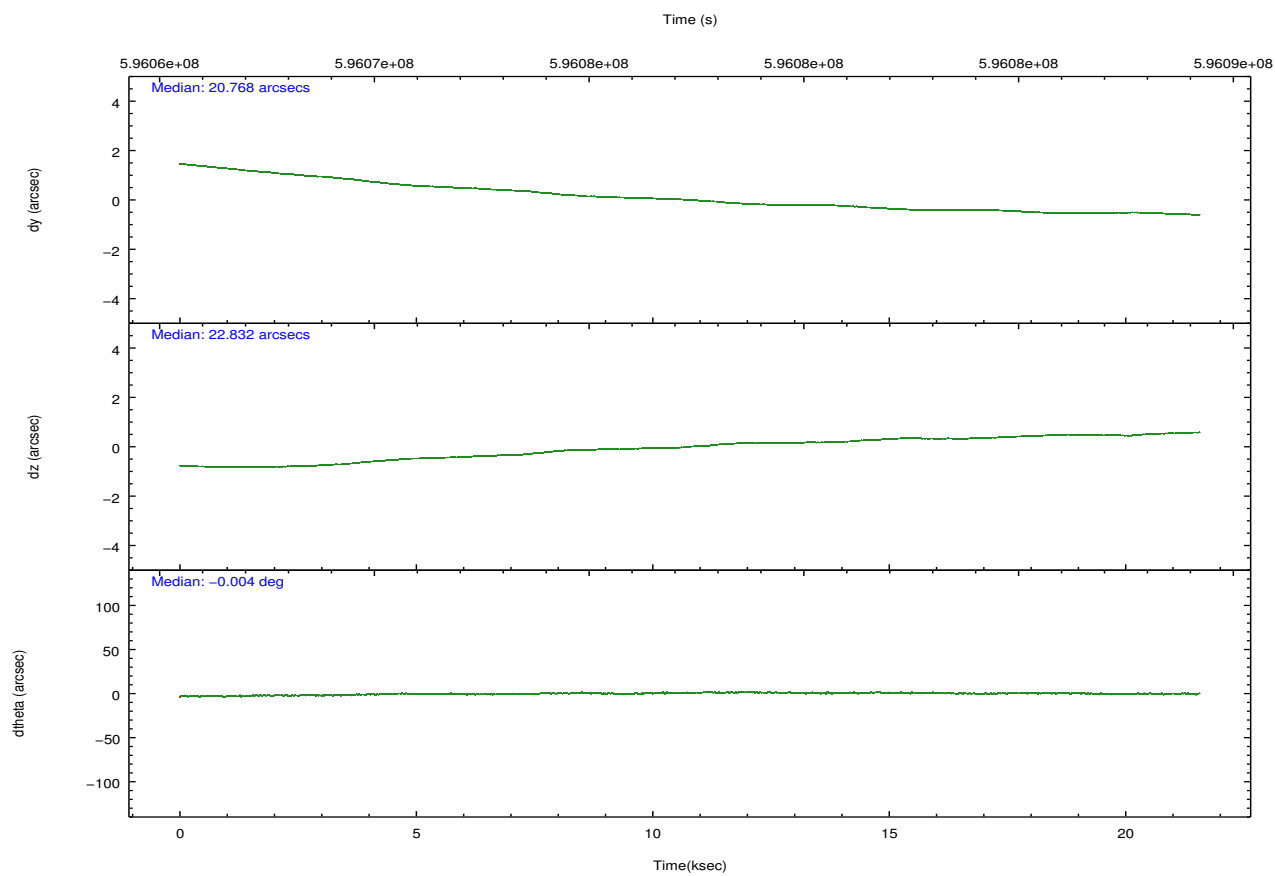
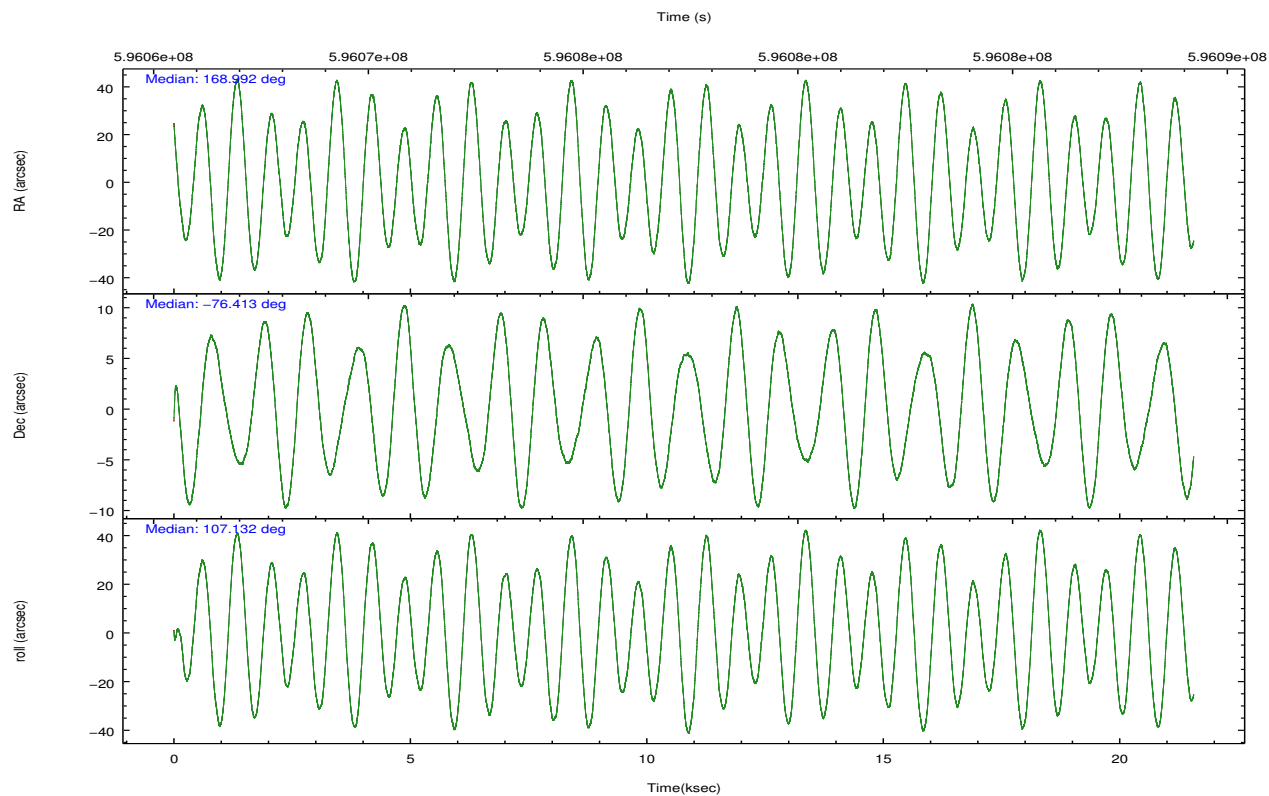
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6175	5728	7162	16465
	4%	3%	3%	8%
grade 1 events	93	75	270	154
	0%	0%	0%	0%
grade 2 events	3493	4013	18139	13696
	2%	2%	9%	6%
grade 3 events	1693	1694	6797	5491
	1%	1%	3%	2%
grade 4 events	1632	1737	6845	4977
	1%	1%	3%	2%
grade 5 events	7203	7143	19553	10806
	4%	4%	10%	5%
grade 6 events	3228	4031	45855	14946
	2%	2%	23%	7%
grade 7 events	121206	130652	88936	132444
	83%	84%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	169.078470	168.9916756282294	CCD I2 on	N	N
[deg] Pointing Dec	-76.430865	-76.41252868111003	CCD I3 on	O1	Y
[deg] Pointing Roll	107.064531	107.1367710458246	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)	596066679.184000	596065502.6082	CCD S5 on	N	N
Observation start date	2016-11-20T22:03:31	2016-11-20T21:45:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	596088117.184000	596088337.04702	On-chip summing requested	N	N
Observation end date	2016-11-21T04:00:49	2016-11-21T04:05:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



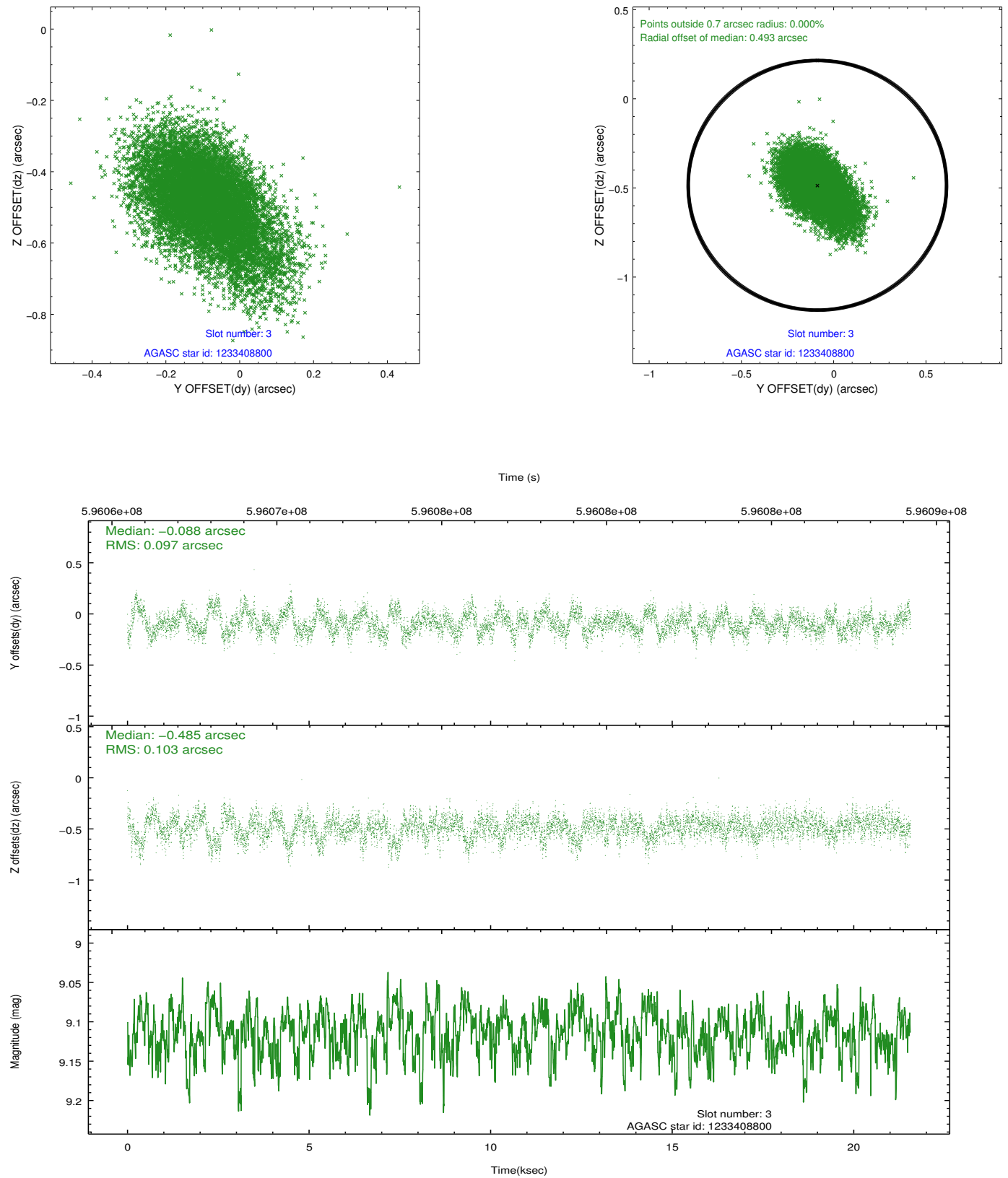


Slot Statistics

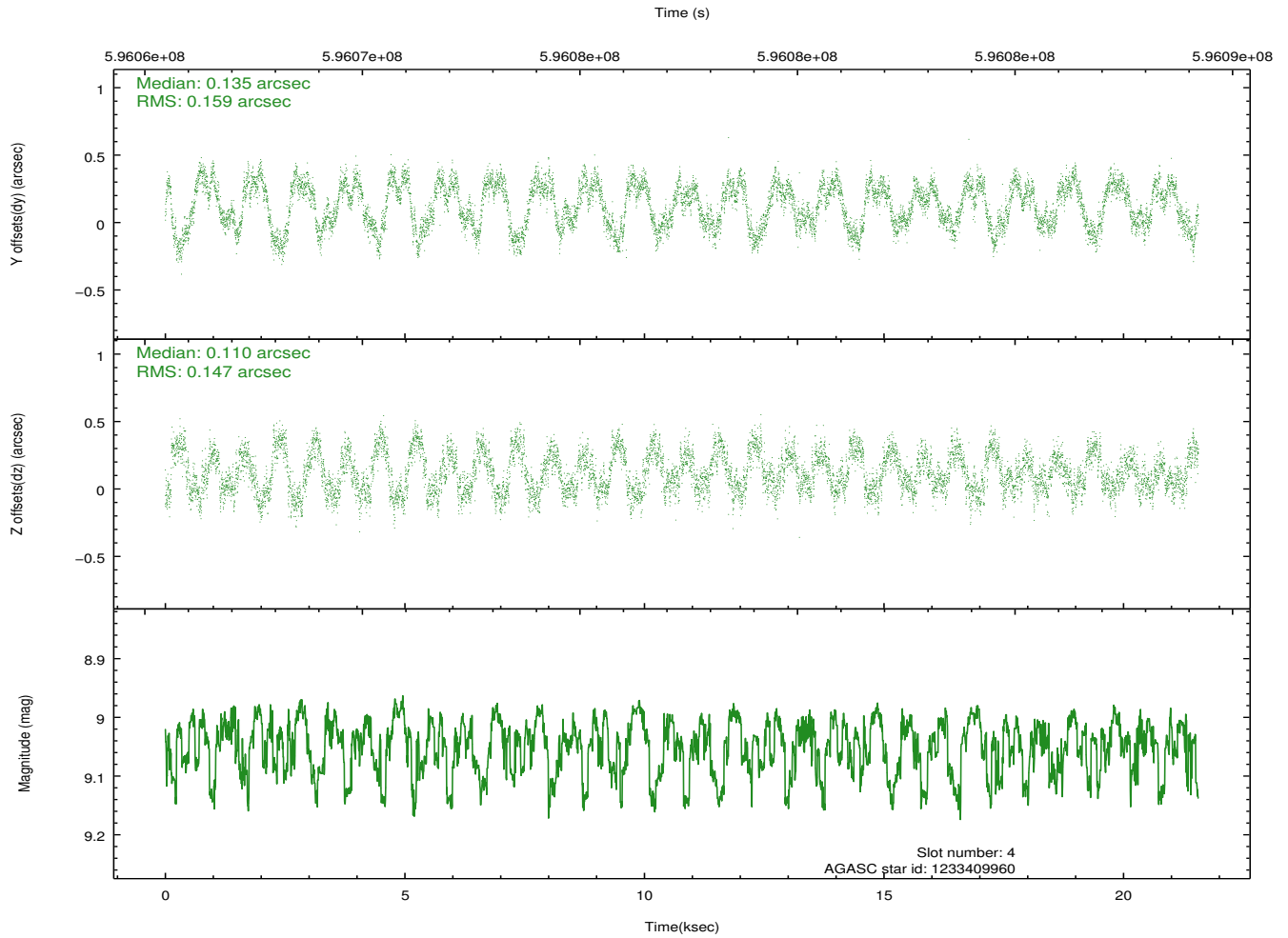
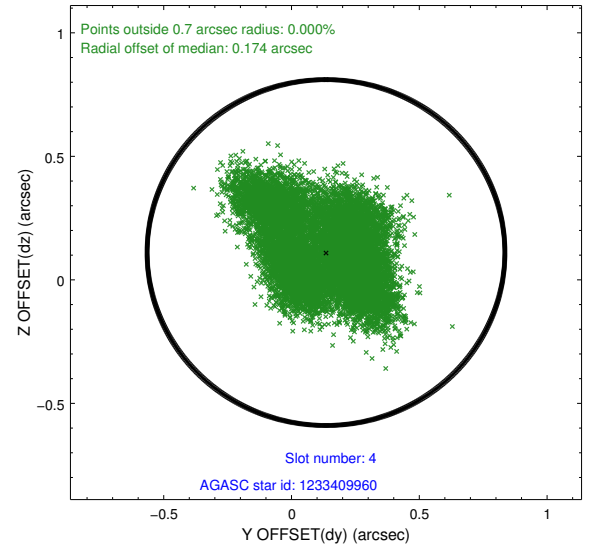
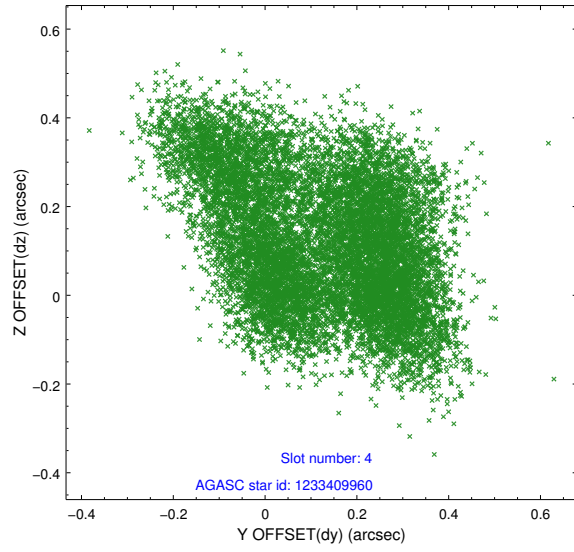
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.92	5260	-0.225	-0.120	0.015	0.022	0.000000	0.000000	-774.24	-1744.47
1	FID		ACIS-S-4	7.03	5258	0.452	0.140	0.010	0.027	0.000000	0.000000	2139.63	164.11
2	FID		ACIS-S-5	7.03	5260	-0.259	-0.010	0.022	0.039	0.000000	0.000000	-1826.92	157.80
3	GUIDE	used	1233408800	9.11	10506	-0.088	-0.485	0.146	0.257	168.383103	-76.056782	1461.30	182.11
4	GUIDE	used	1233409960	9.05	10501	0.135	0.110	0.230	0.366	167.458448	-76.613256	-248.48	1489.06
5	GUIDE	used	1233529680	8.60	10511	0.244	0.244	0.132	0.202	171.215304	-76.611834	-1175.25	-1501.33
6	GUIDE	used	1233403152	7.98	10518	-0.236	-0.142	0.103	0.166	166.490891	-76.130246	1643.01	1830.91
7	GUIDE	used	1233393888	7.92	10512	-0.043	0.278	0.122	0.203	168.451604	-75.790484	2364.42	-145.26

2.4 Star Slots

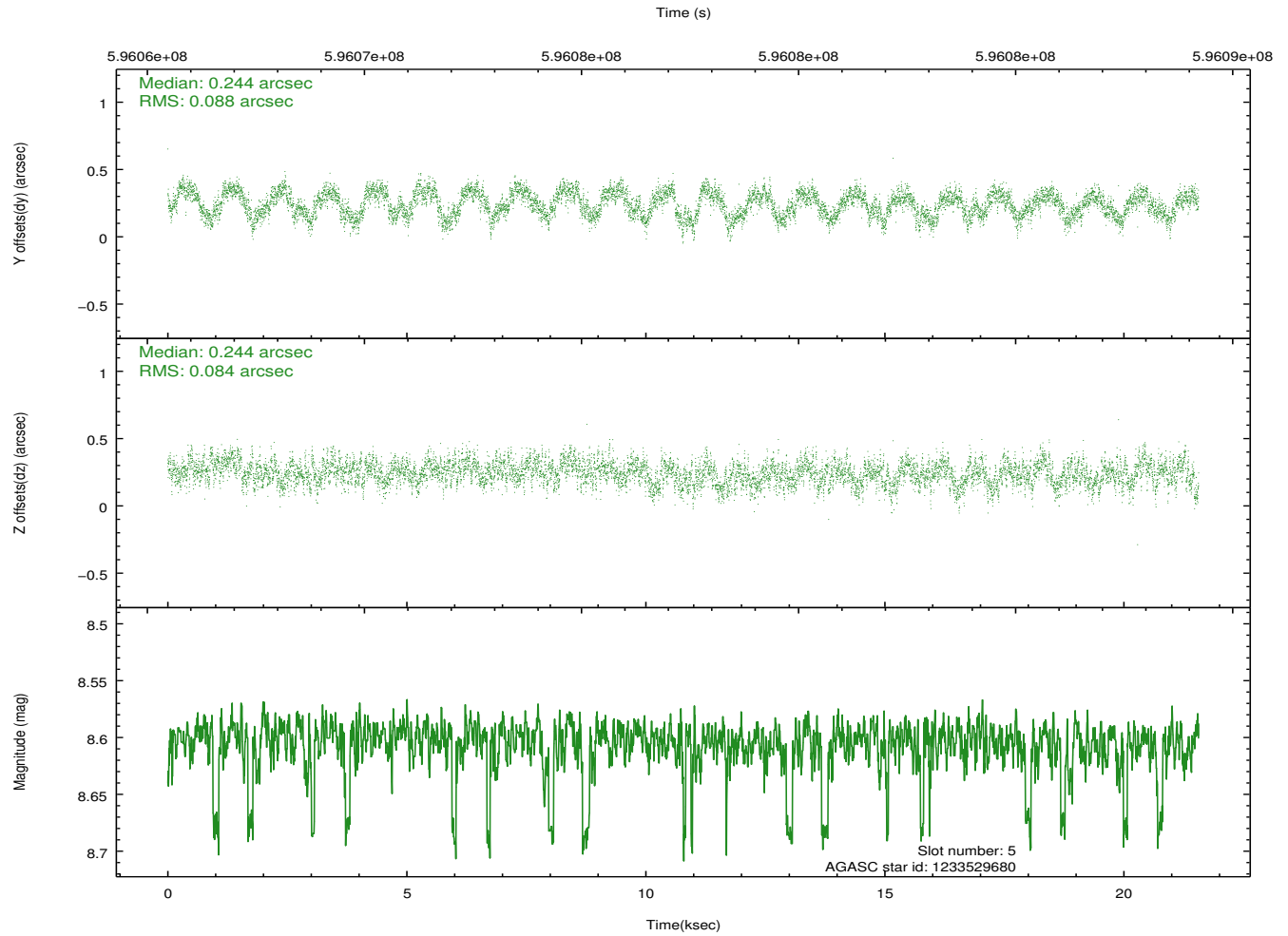
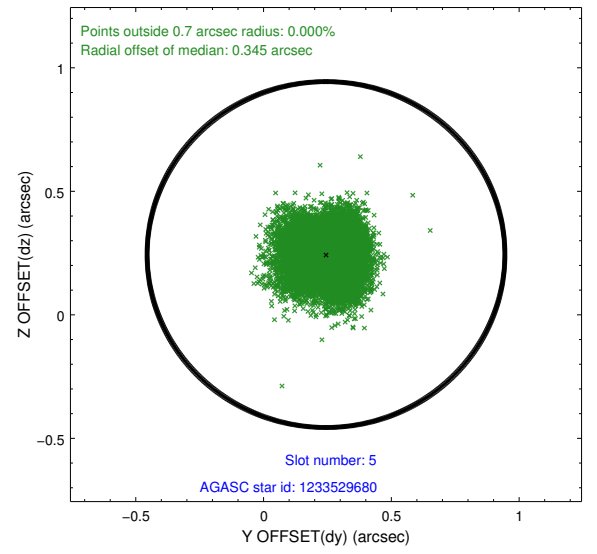
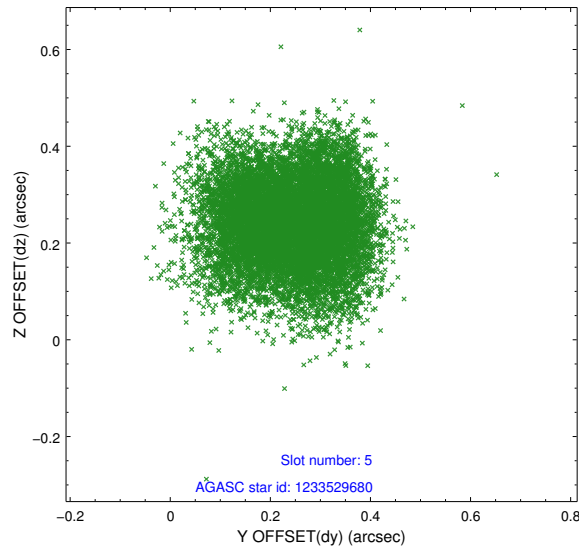
2.4.1 Slot 3



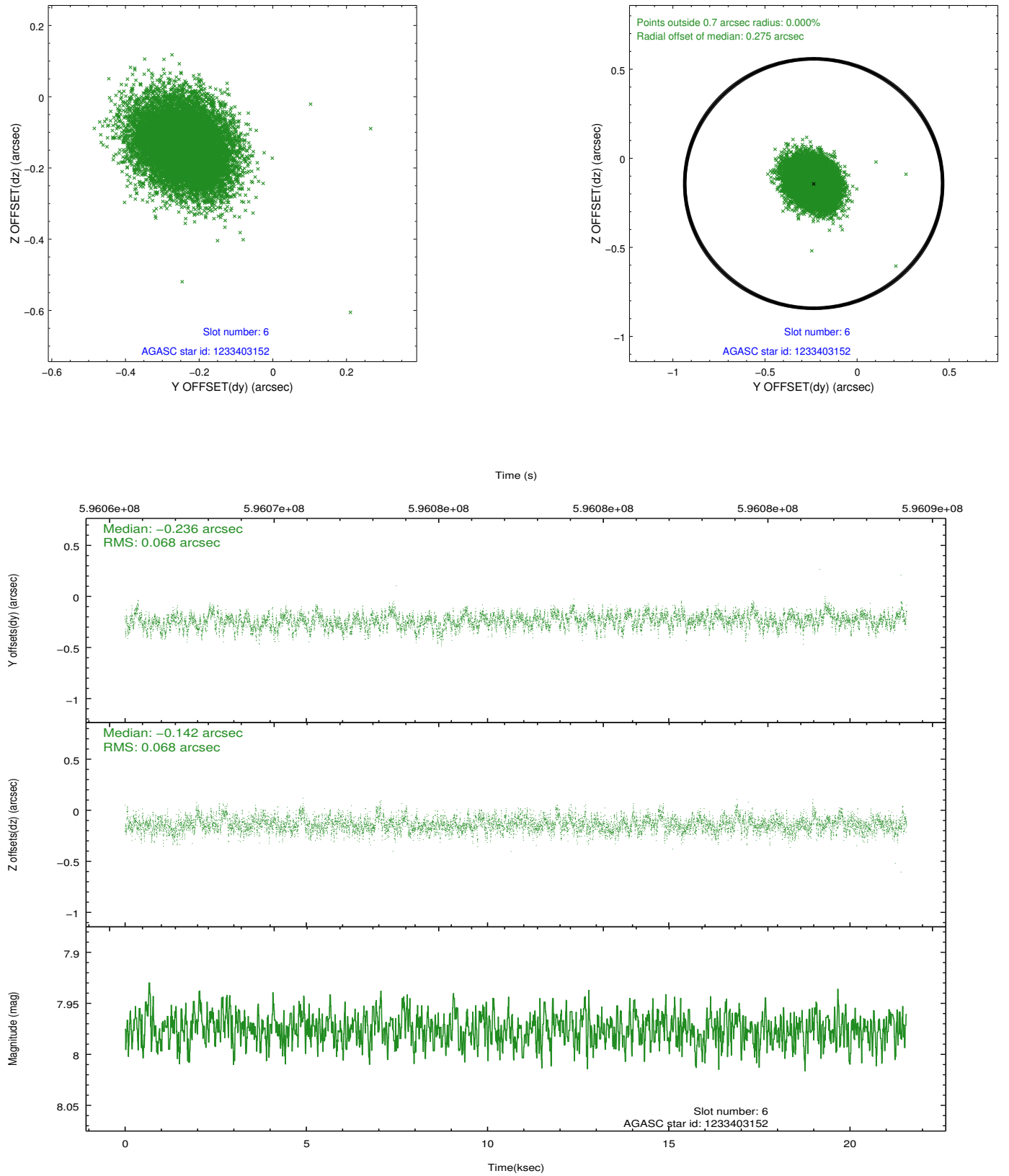
2.4.2 Slot 4



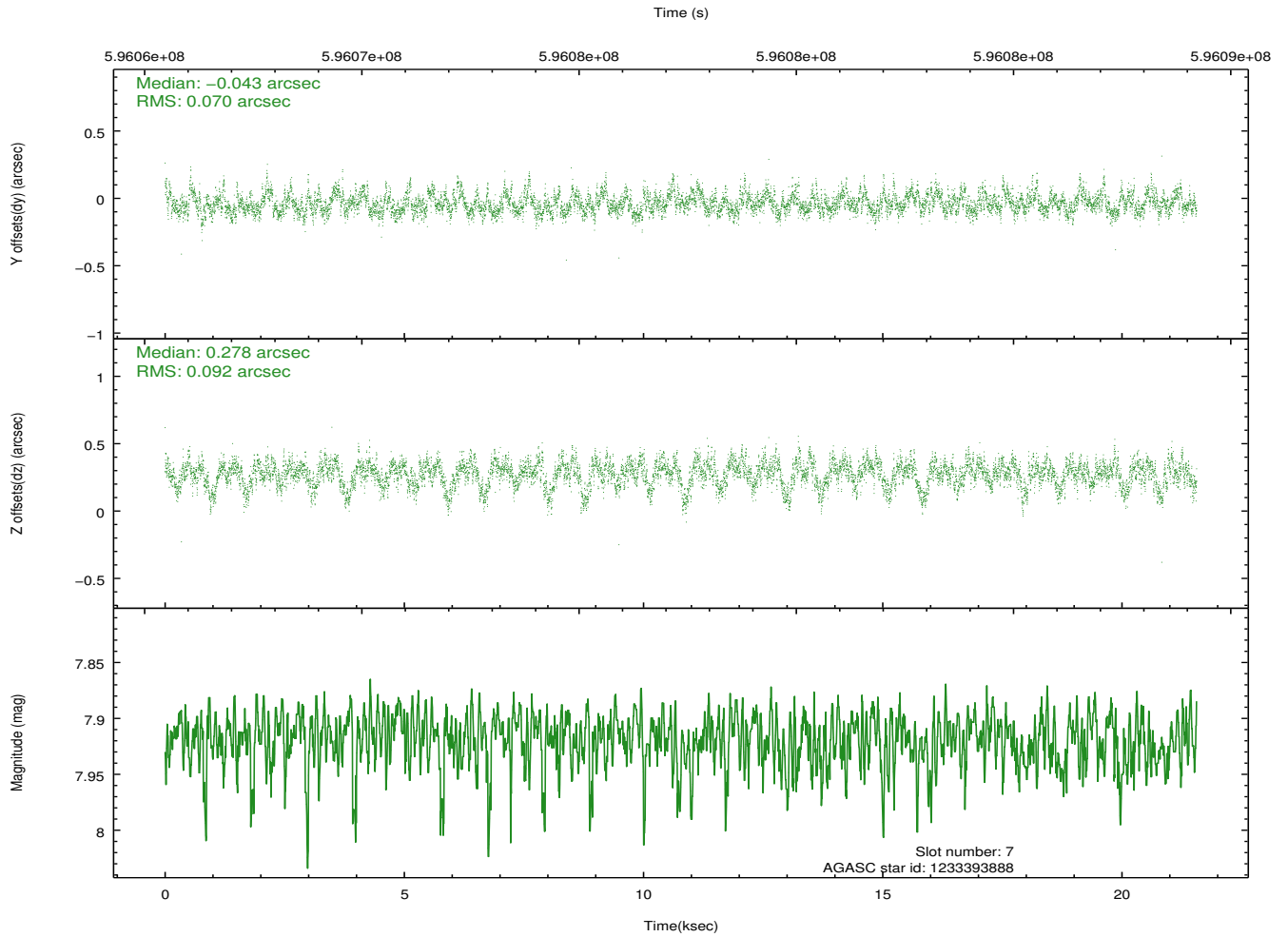
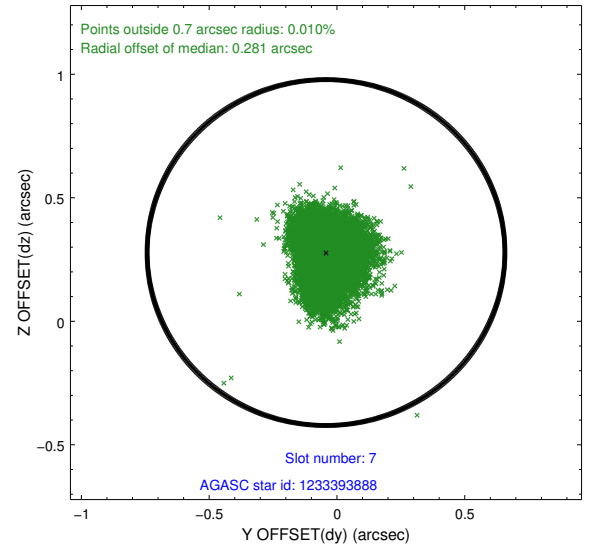
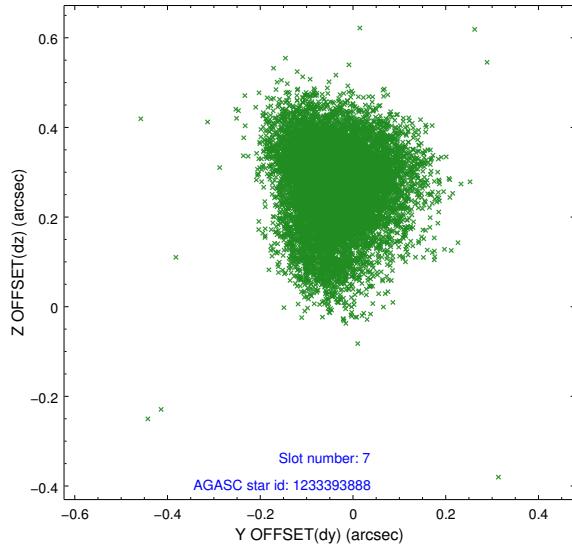
2.4.3 Slot 5



2.4.4 Slot 6

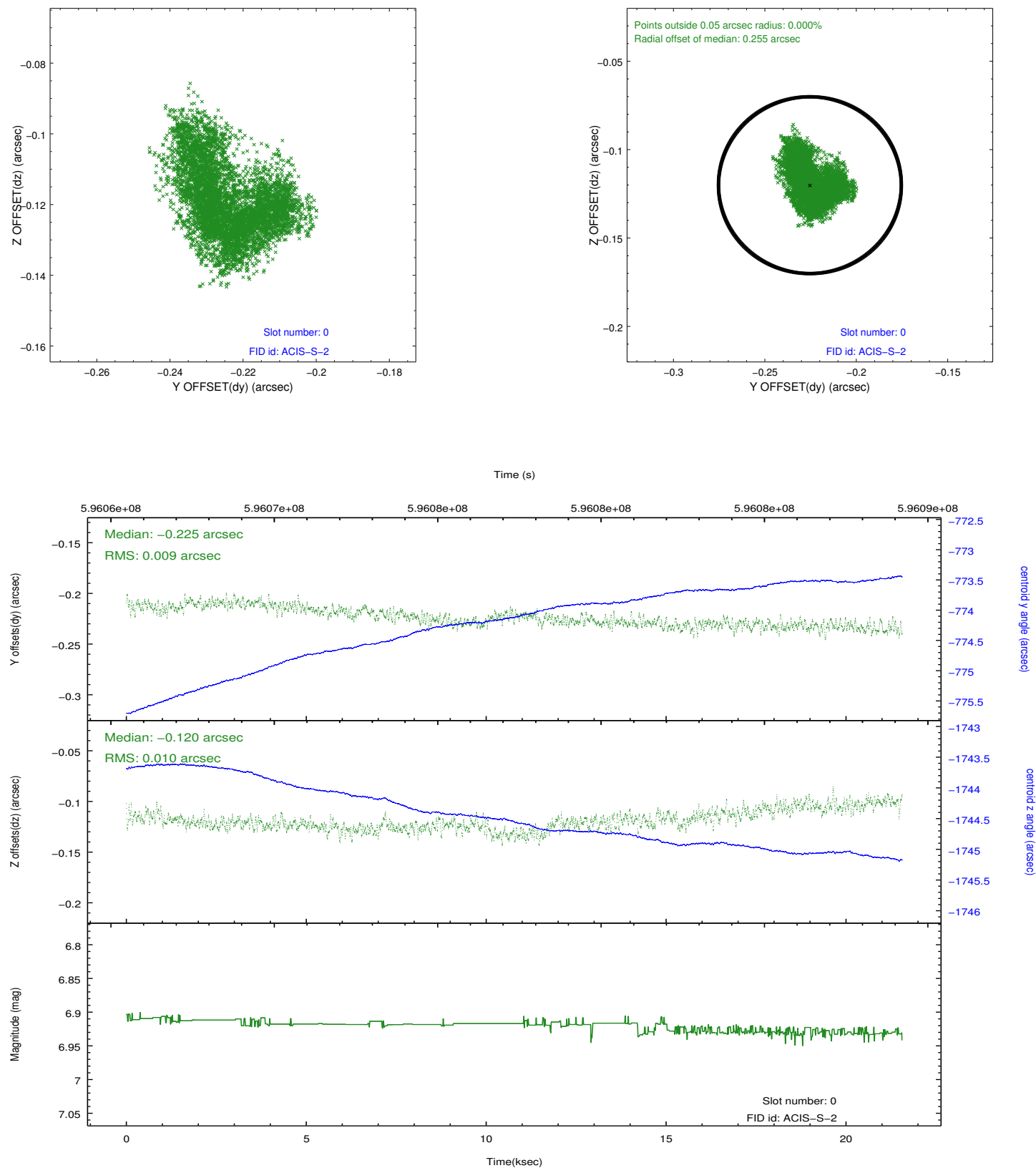


2.4.5 Slot 7

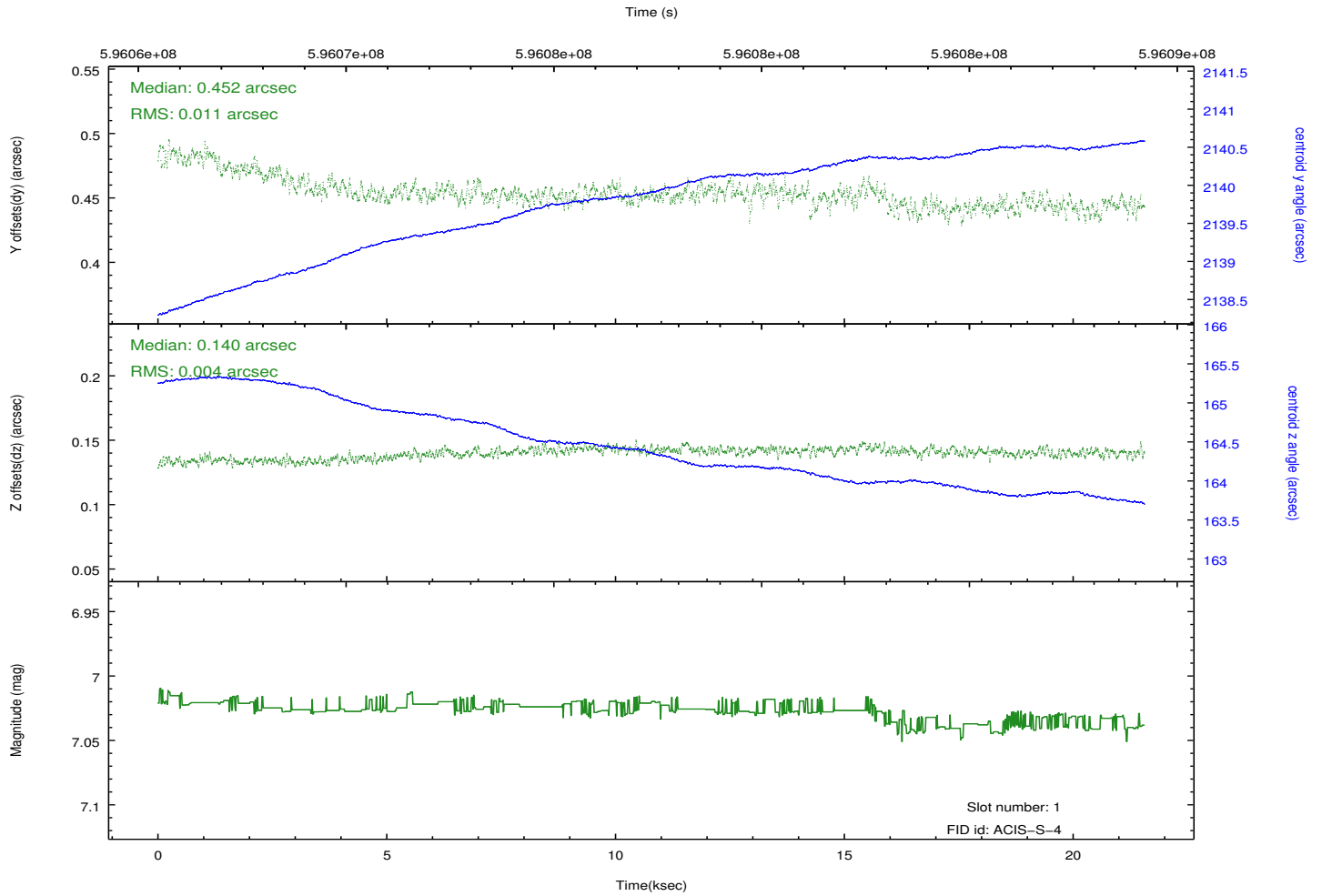
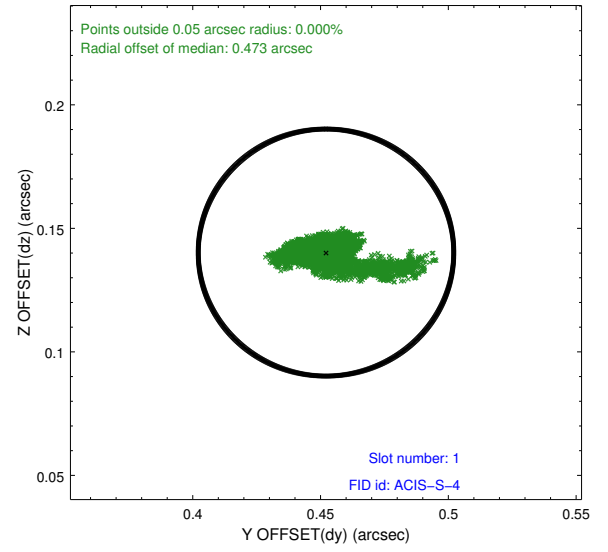
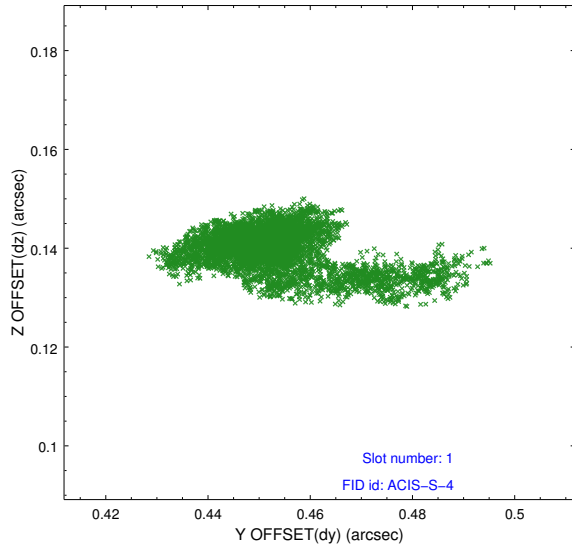


2.5 FID Slots

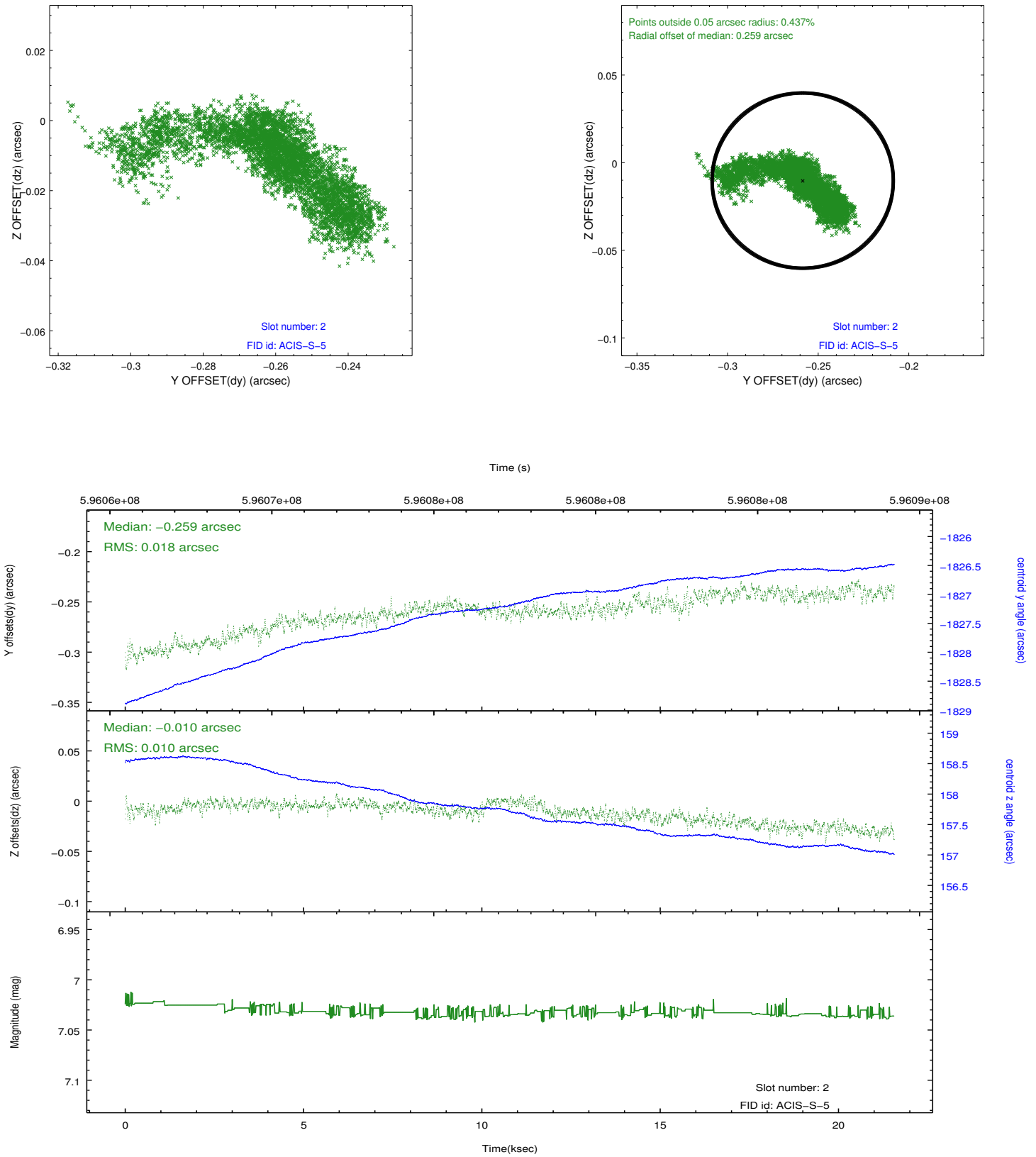
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.50470016551

A.2 Comments