

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4453 - L2 Version 3
Chandra X-Ray Center

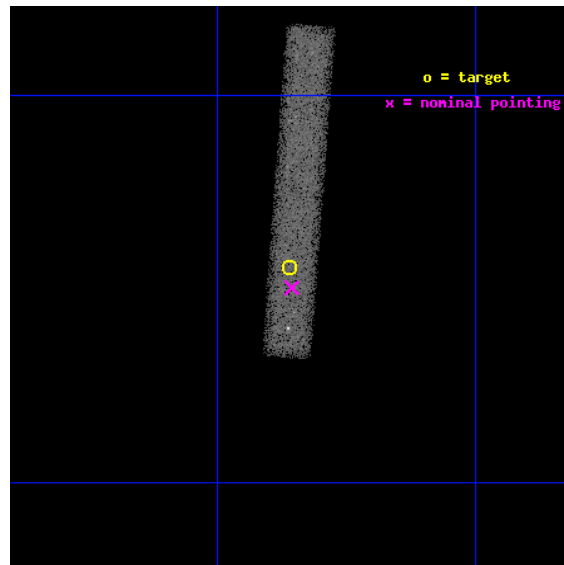
L2 Processing Date : Dec 7 2012

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1 Front

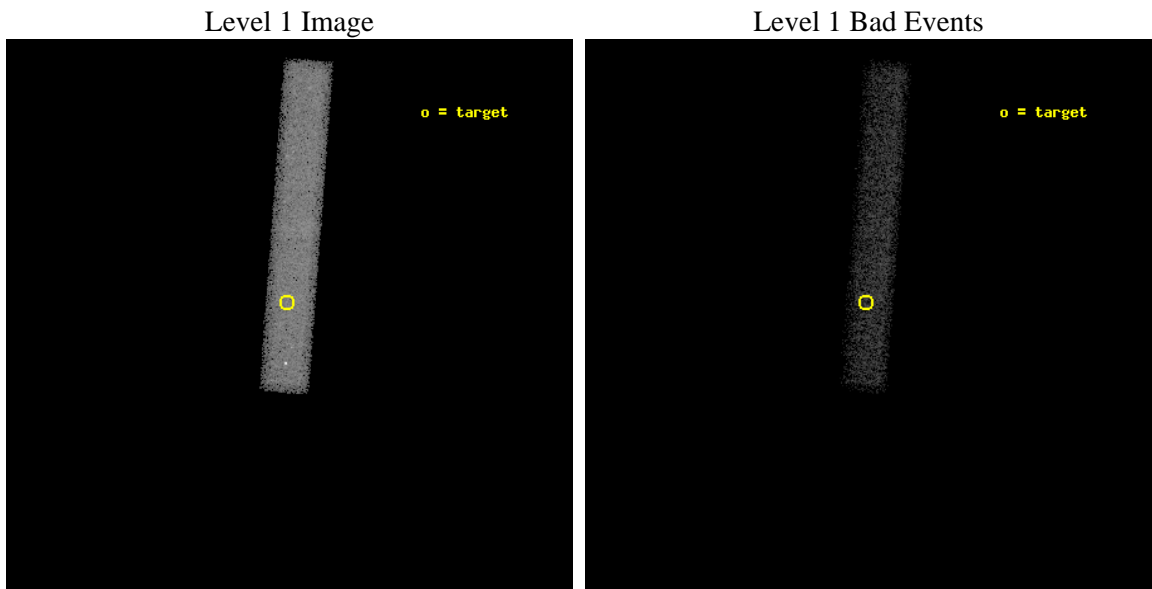
seq_num	400330	Sequence number
obs_id	4453	Observation id
title	Following a black hole candidate soft X-ray transient returning to quiescence	Proposal title
observer	dr Peter Jonker	Principal investigator
object	V 4641 Sgr	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.84	Observer's specified target RA [deg]
dec_targ	-25.407167	Observer's specified target Dec [deg]
ra_nom	274.83887604909	Nominal RA [deg]
dec_nom	-25.416288938553	Nominal Dec [deg]
roll_nom	274.28468339728	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40185.200598776	Sum of GTIs [s]
livetime	36445.855794283	Livetime [s]
ontime7	40185.200598776	Sum of GTIs [s]
l2events	26237	Number of level 2 events



2 OBI

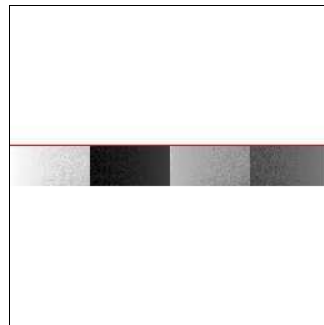
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	40185.200598776	Sum of GTIs [s]
caldbver	4.5.4	 	ontime7	40185.200598776	Sum of GTIs [s]
date	2012-12-07T01:30:03	Date and time of file creation	l1events	57336	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

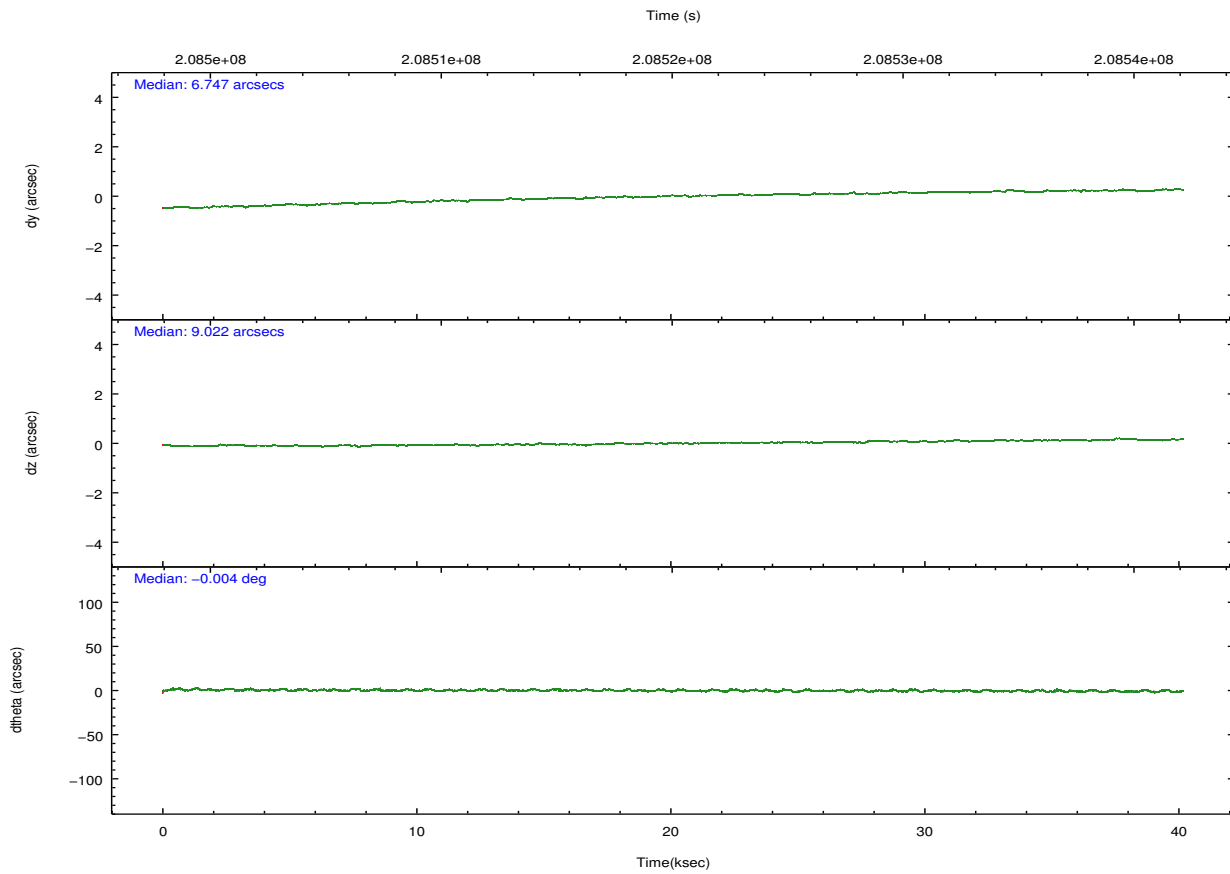
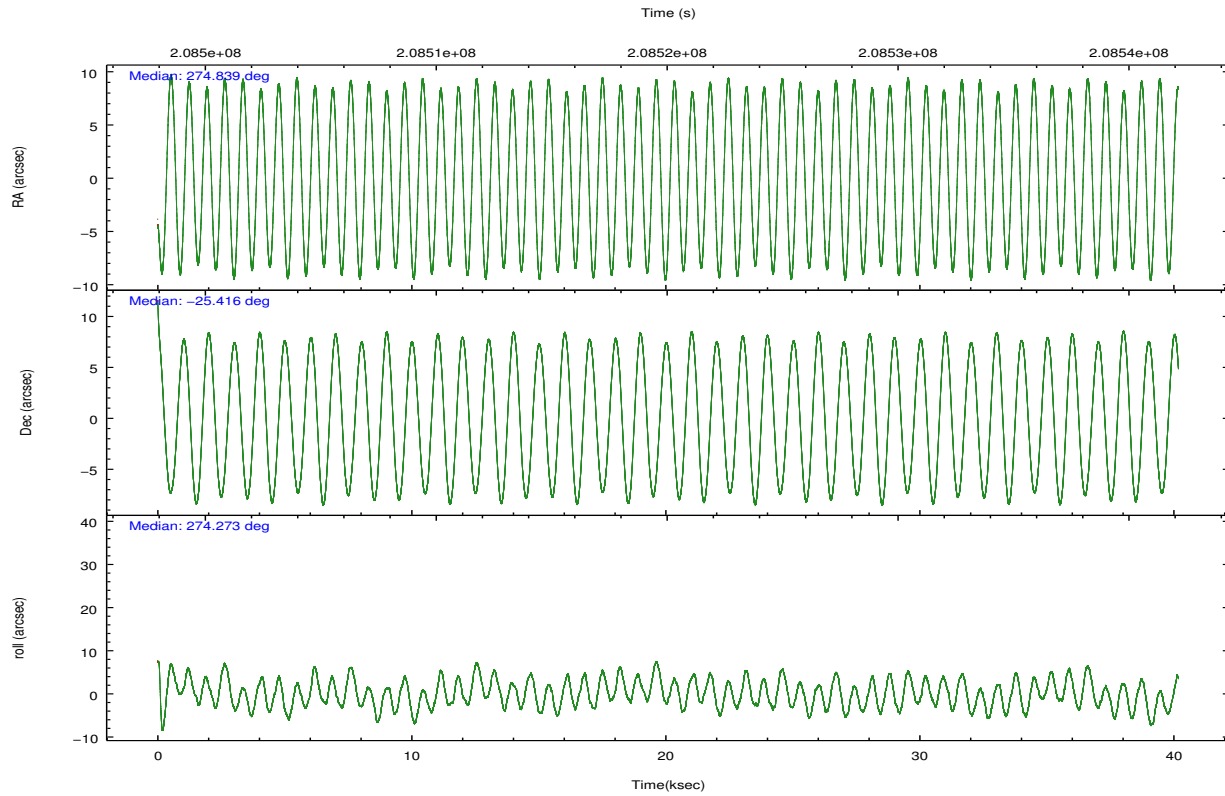
	ccd 7
level 1 events	57336
rejected events	30088
rejected %	52%

	ccd 7
grade 0 events	3296
	5%
grade 1 events	60
	0%
grade 2 events	5552
	9%
grade 3 events	3580
	6%
grade 4 events	3415
	5%
grade 5 events	5027
	8%
grade 6 events	12319
	21%
grade 7 events	24087
	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	274.821558	274.8388760490938	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-25.394000	-25.41628893855335	Subarray start row	449	449
[deg] Pointing Roll	274.120626	274.2846833972807	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	208500132.184000	208498498.01812			
Observation start date	2004-08-10T04:41:08	2004-08-10T04:14:58			
[s] Observation end time (MET)	208540132.184000	208541800.68254			
Observation end date	2004-08-10T15:47:48	2004-08-10T16:16:40			
Read mode	TIMED	TIMED			

2.3 Aspect

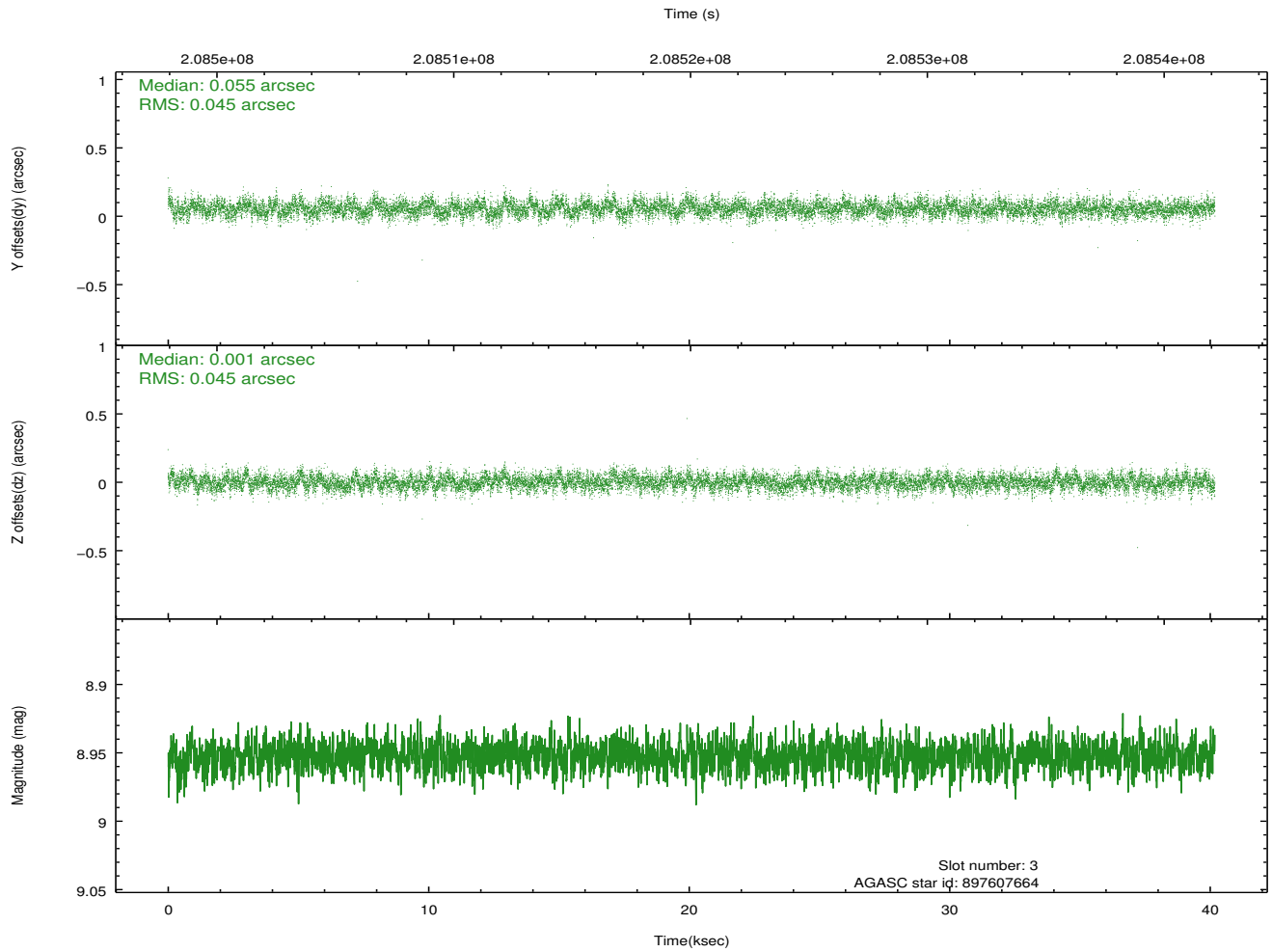
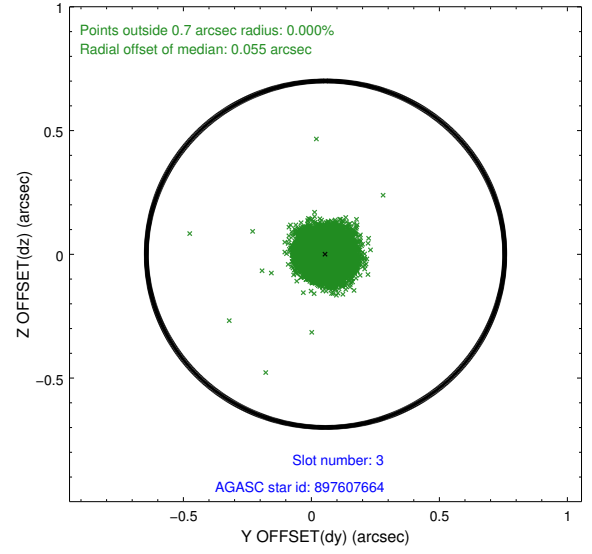
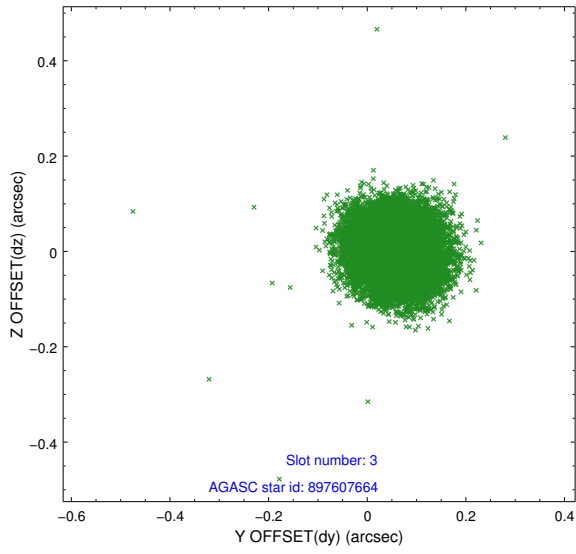


Slot Statistics

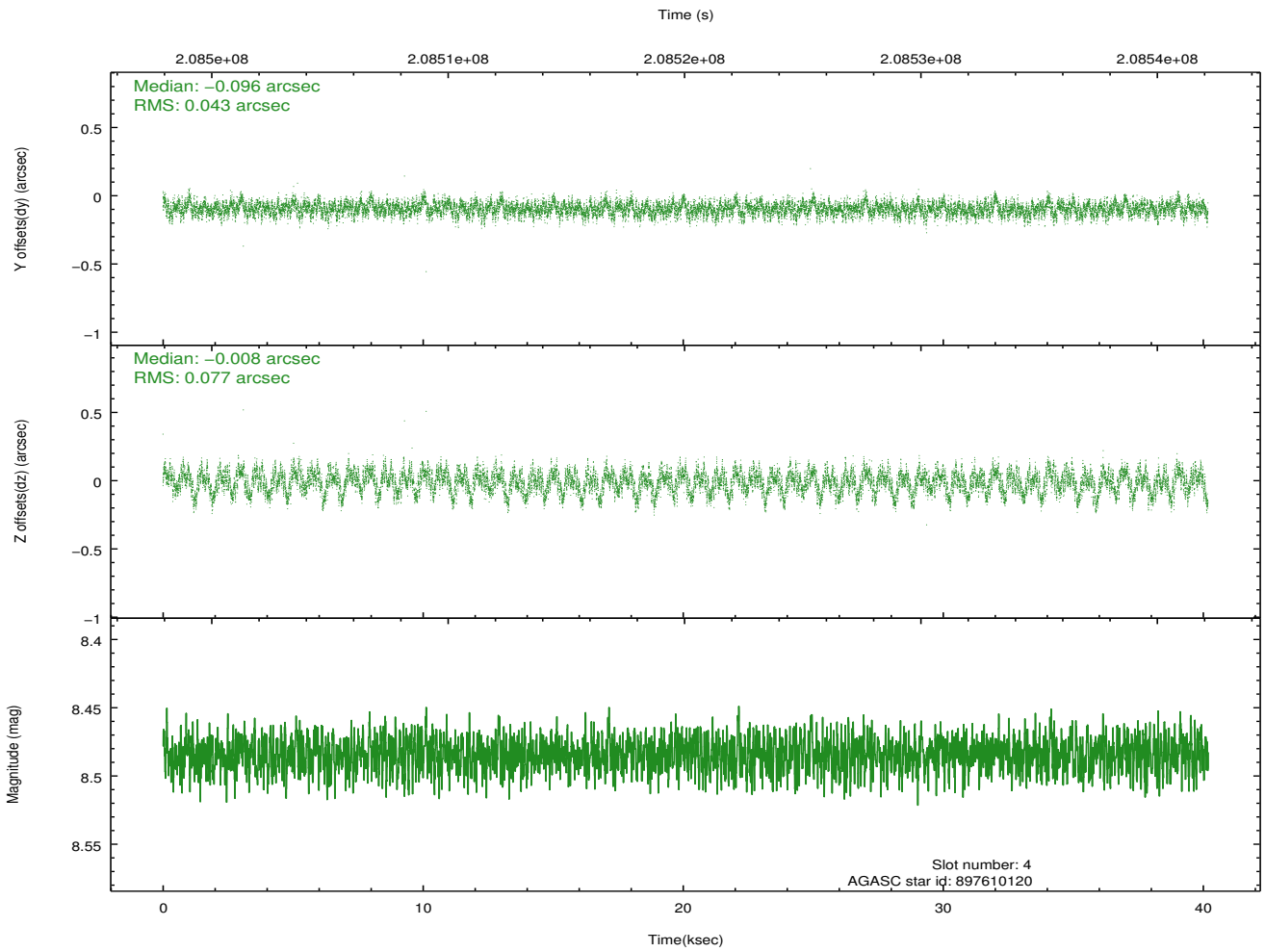
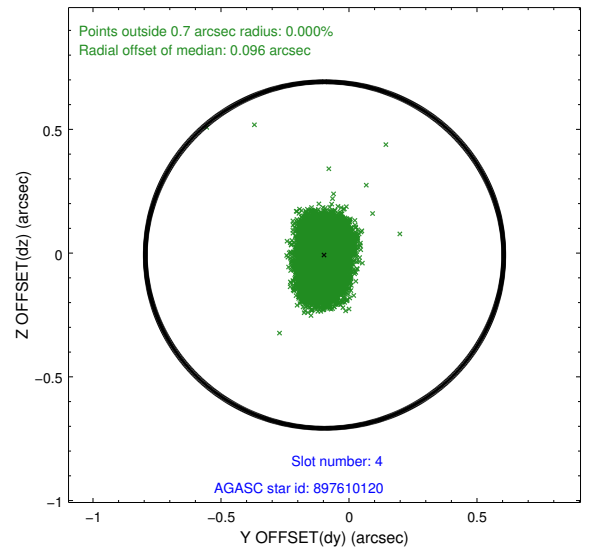
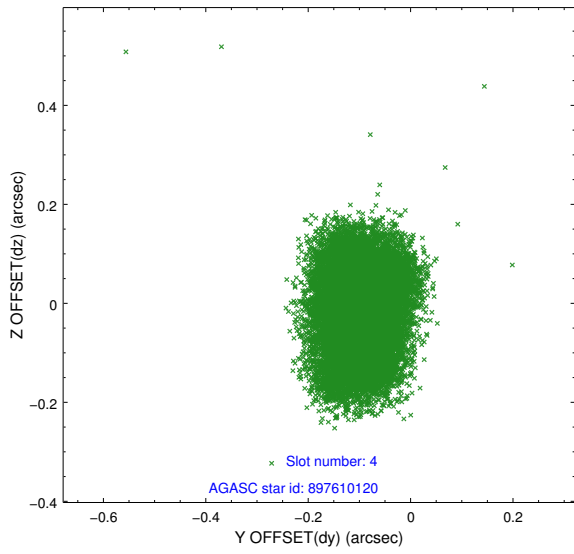
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9801	-0.039	-0.051	0.017	0.027	0.000000	0.000000	-759.49	-1730.25
1	FID	ACIS-S-4	7.21	9802	0.069	0.032	0.014	0.026	0.000000	0.000000	2153.89	178.30
2	FID	ACIS-S-5	7.23	9802	-0.062	0.026	0.015	0.029	0.000000	0.000000	-1812.33	171.98
3	GUIDE	897607664	8.95	19593	0.055	0.001	0.067	0.109	274.763984	-25.327976	-249.75	-169.78
4	GUIDE	897610120	8.48	19592	-0.096	-0.008	0.094	0.155	275.375820	-25.427247	252.42	1788.57
5	GUIDE	897614272	8.74	19554	0.018	0.080	0.087	0.140	275.179042	-25.471578	363.71	1138.88
6	GUIDE	897607632	8.99	19599	0.062	-0.047	0.091	0.141	275.528210	-25.239953	-381.79	2334.40
7	GUIDE	897601280	9.68	19587	-0.045	-0.017	0.144	0.235	274.221964	-25.156854	-987.00	-1887.80

2.4 Star Slots

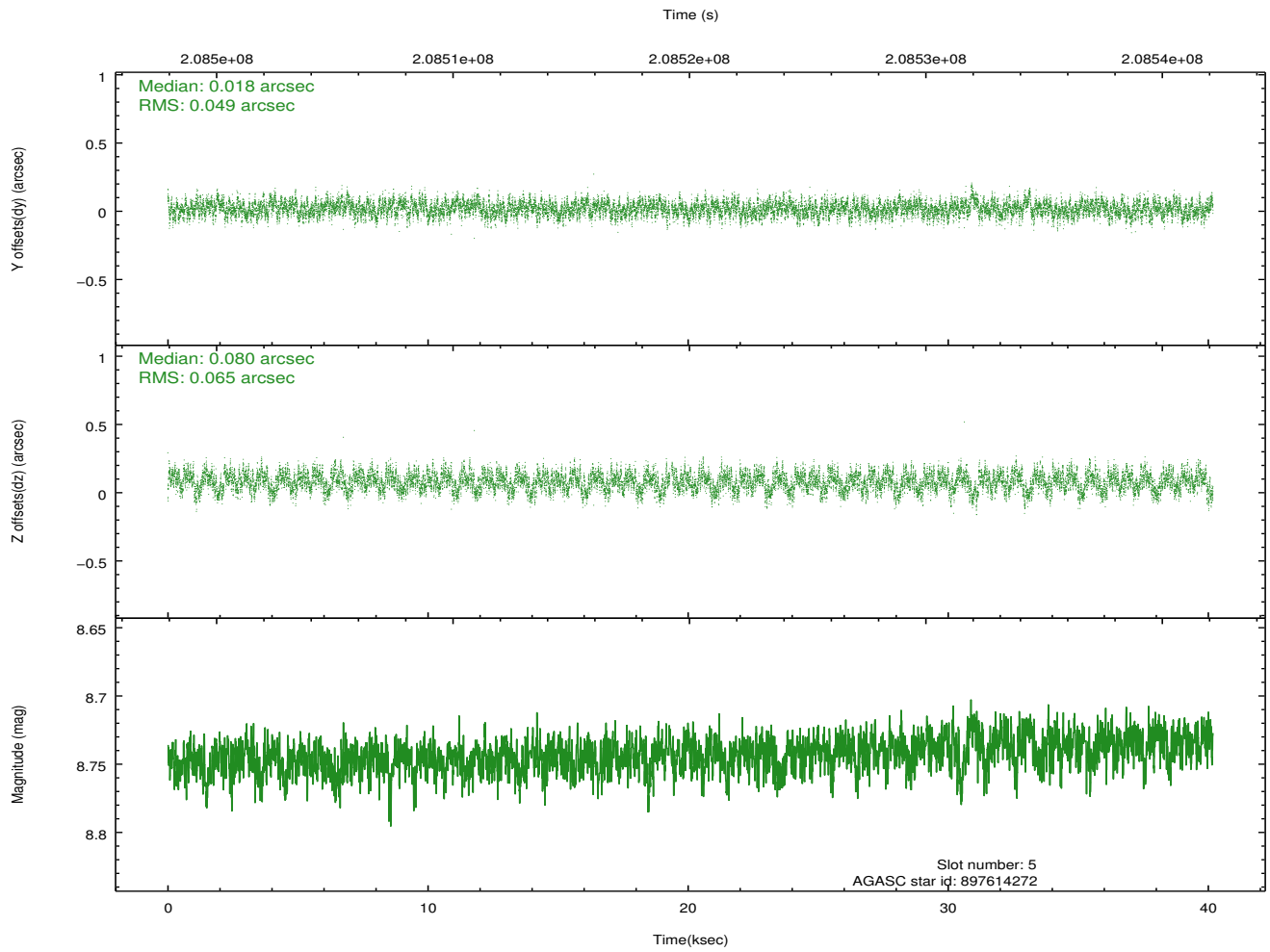
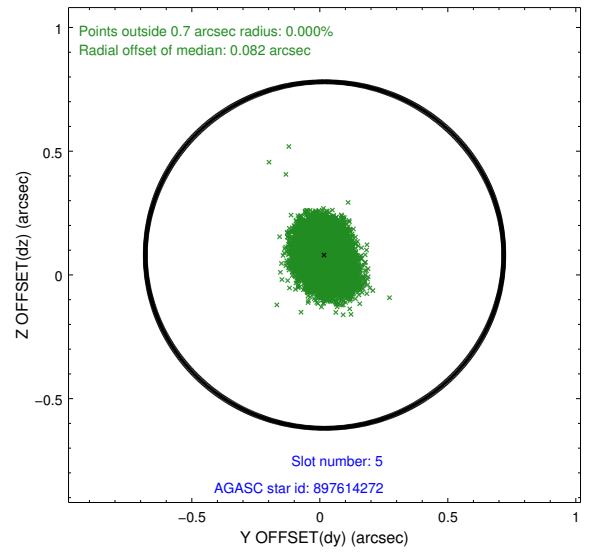
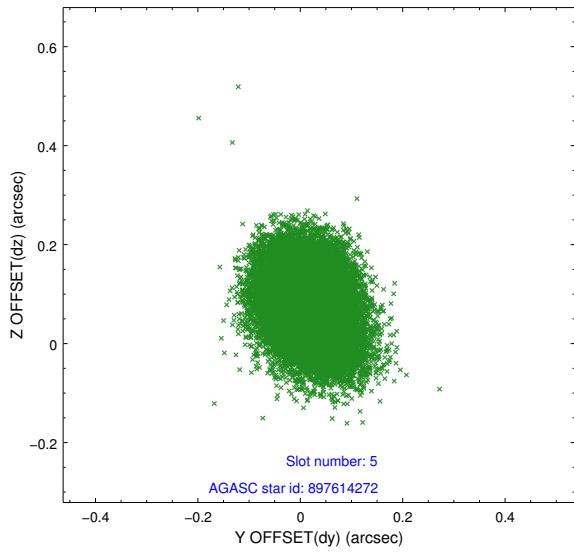
2.4.1 Slot 3



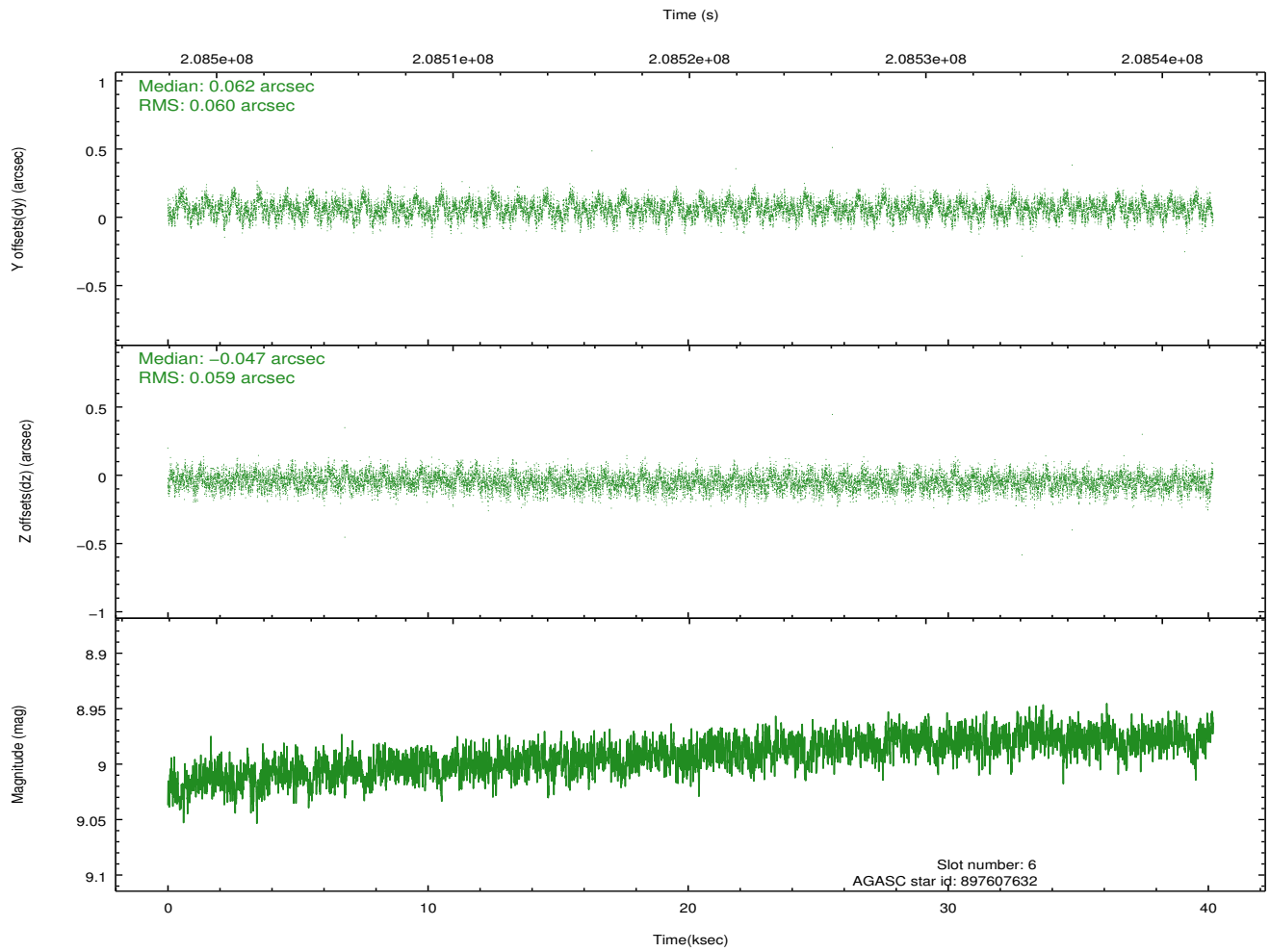
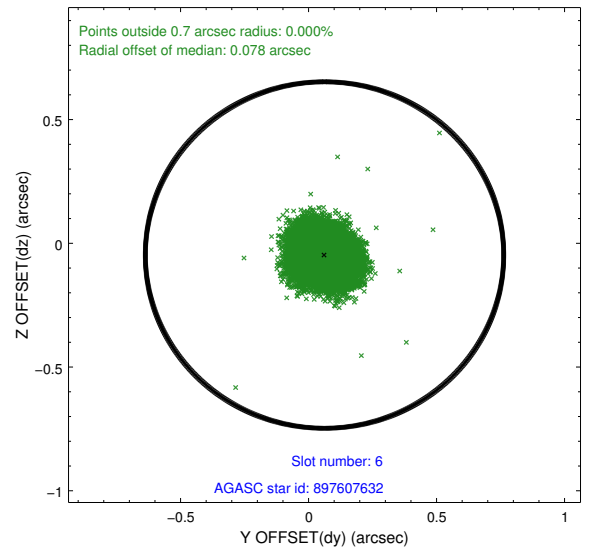
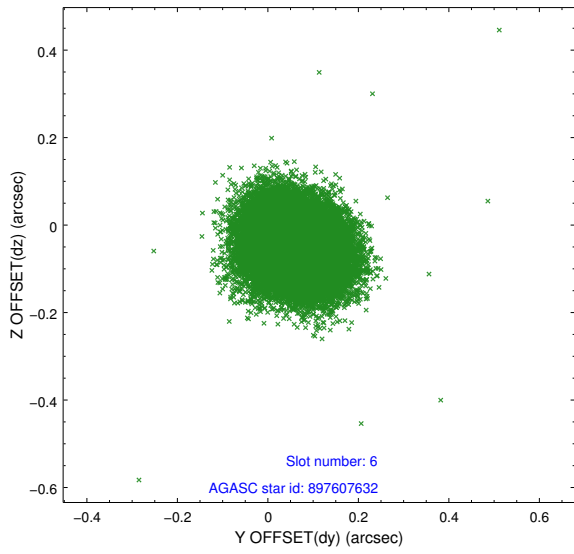
2.4.2 Slot 4



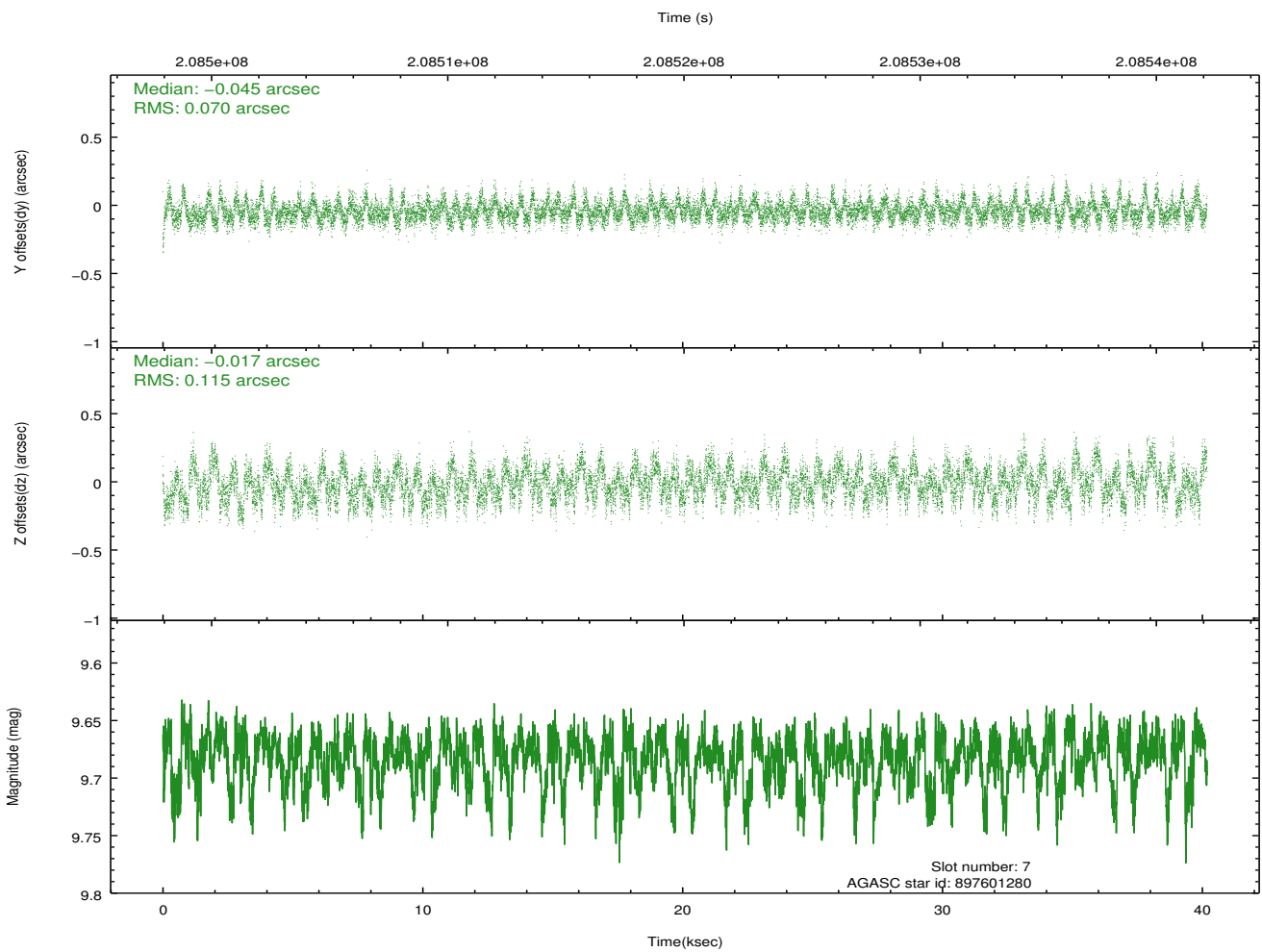
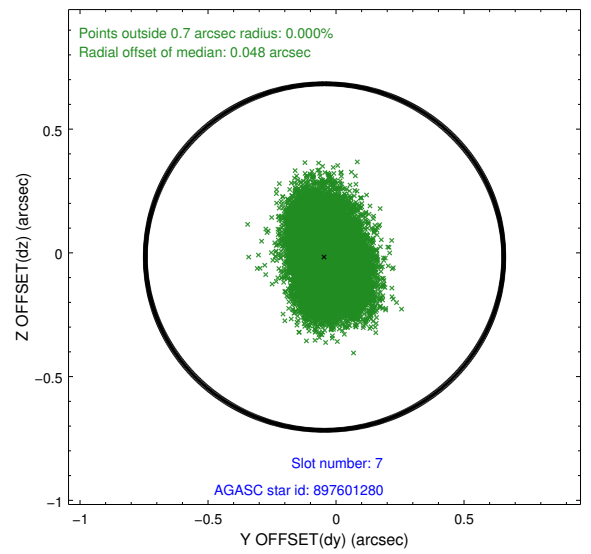
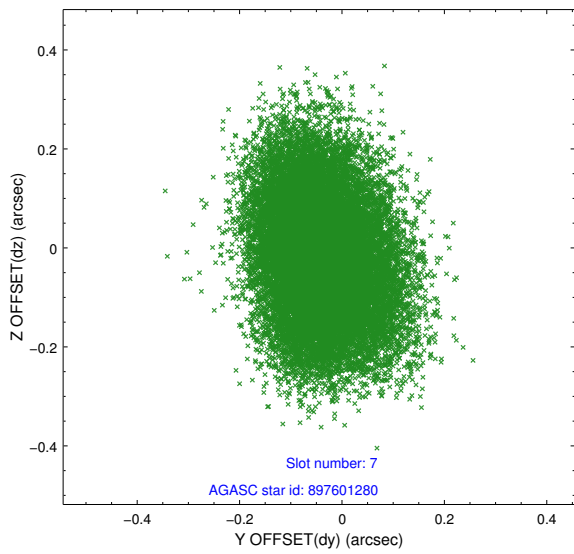
2.4.3 Slot 5



2.4.4 Slot 6

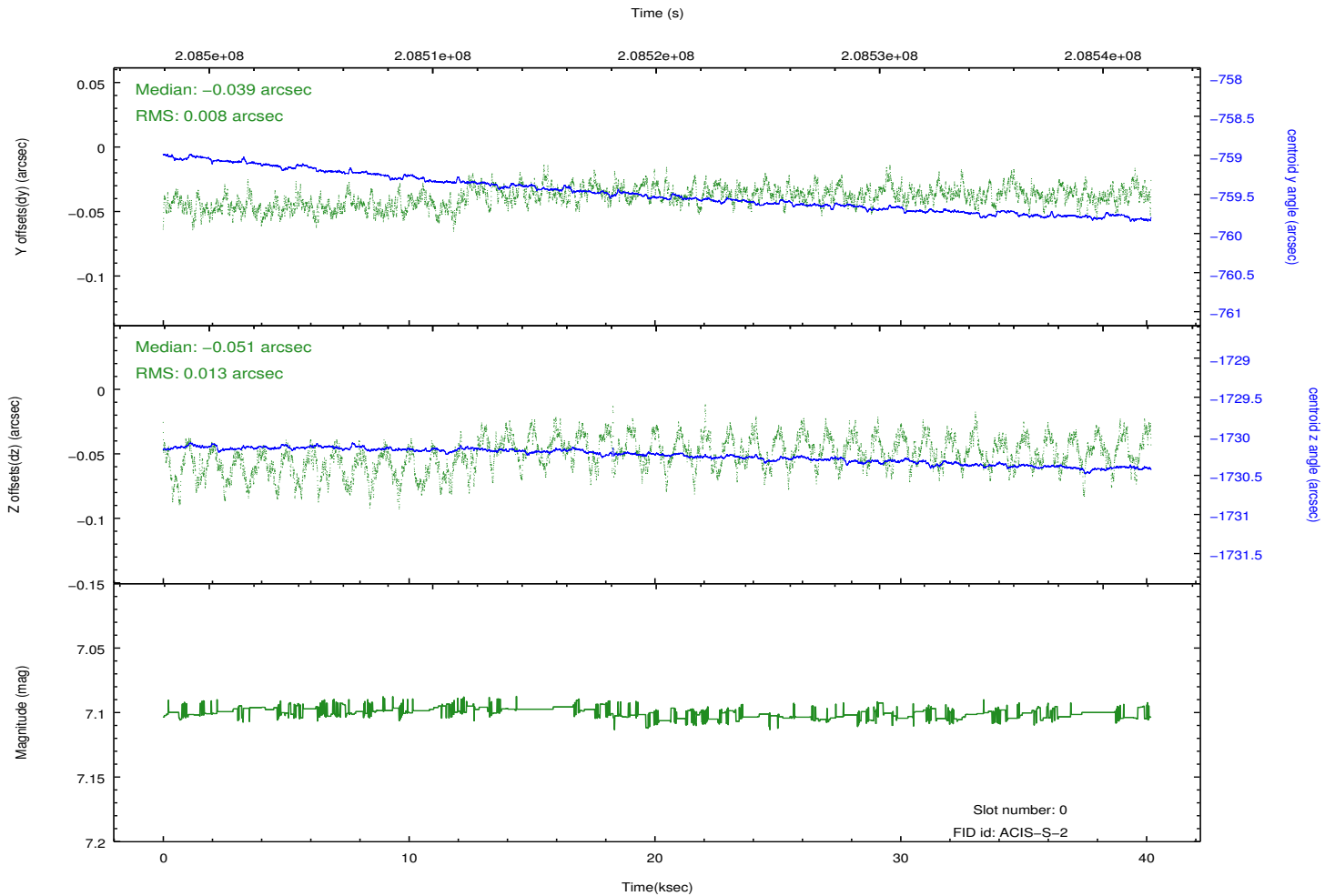
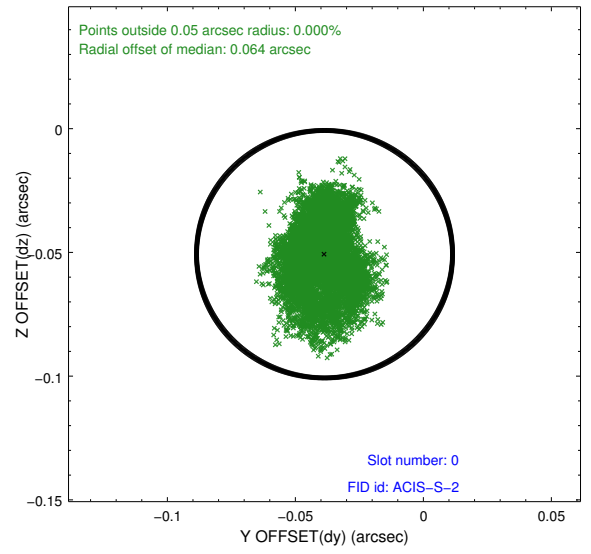
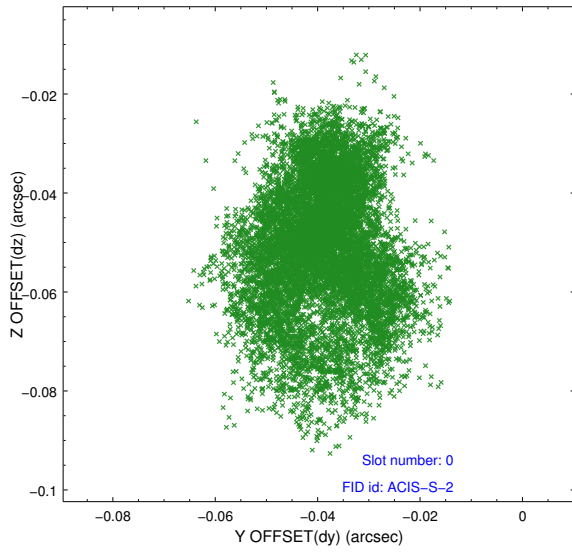


2.4.5 Slot 7

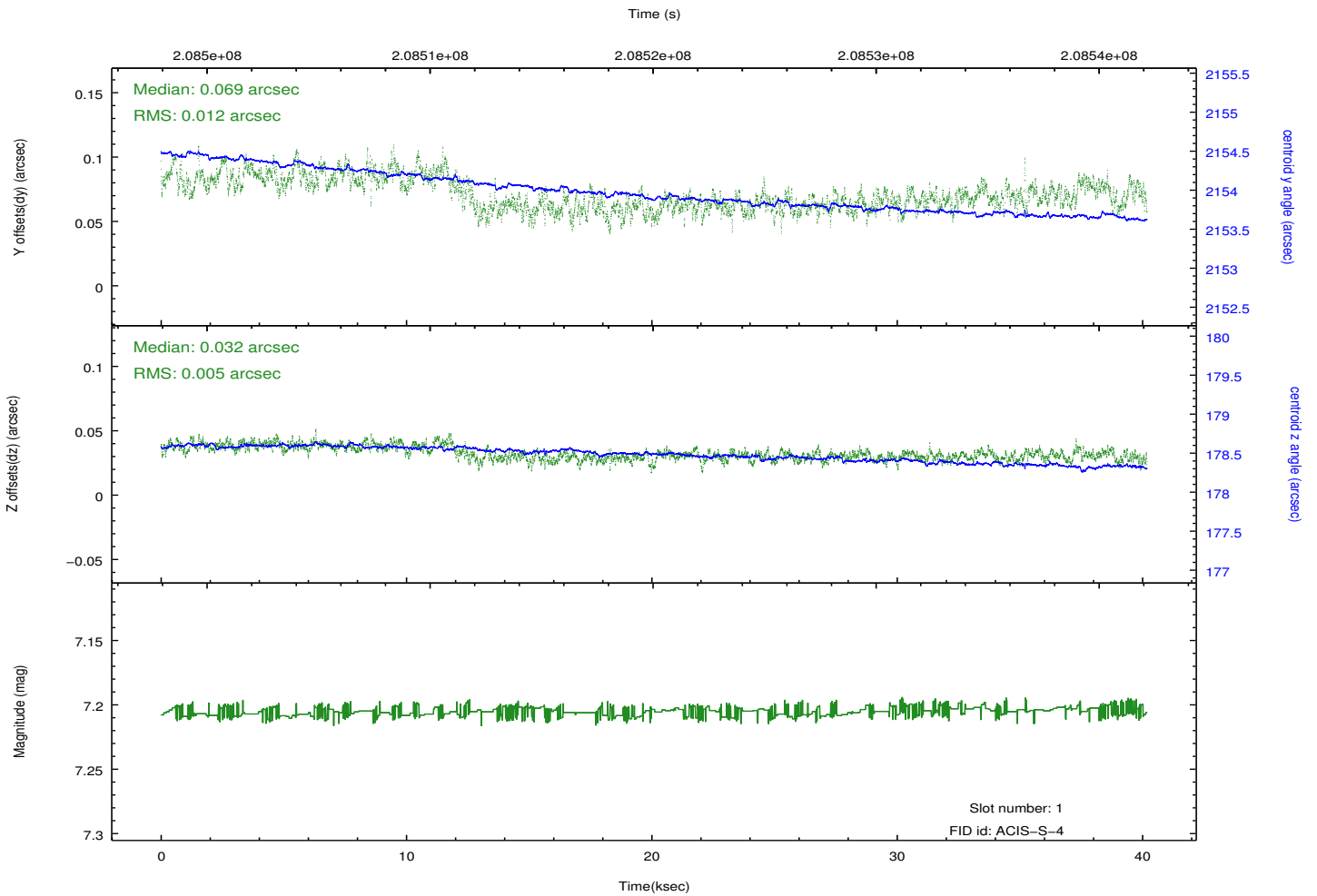
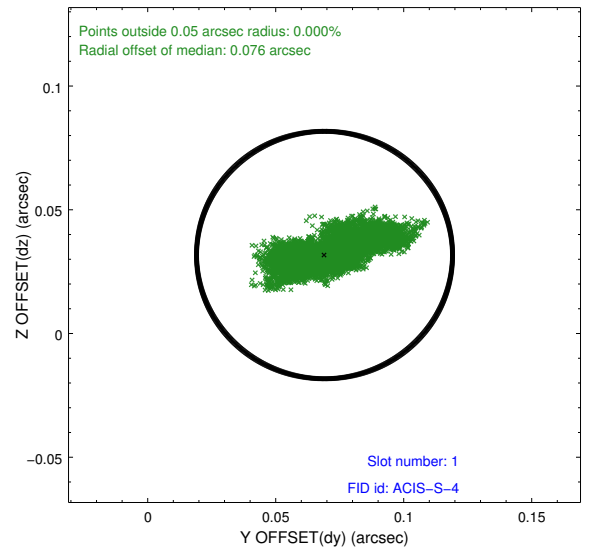
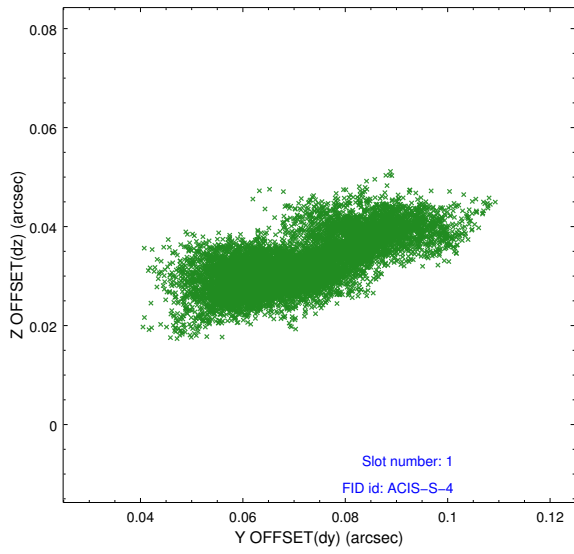


2.5 FID Slots

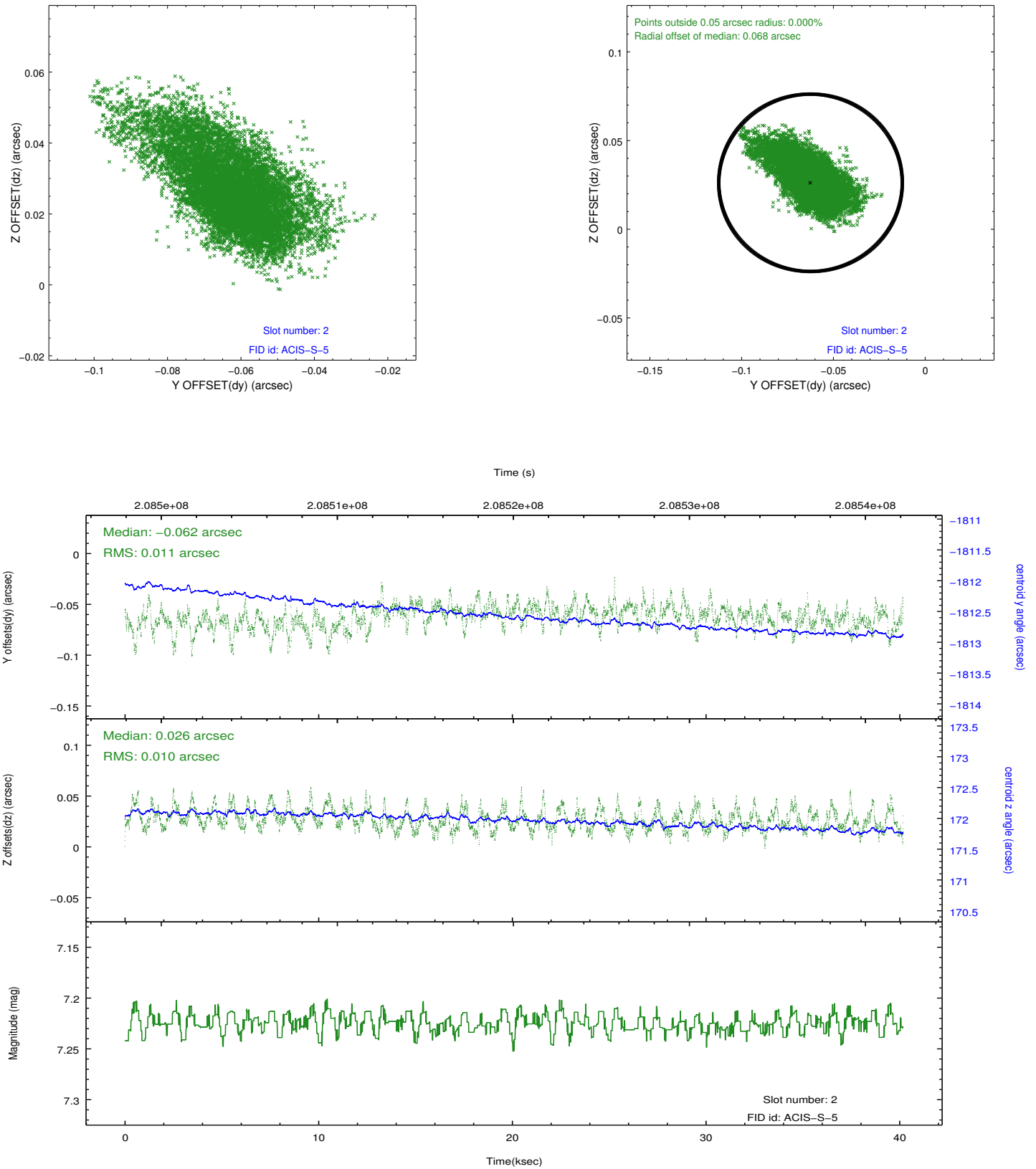
2.5.1 Slot 0



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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.185

A.2 Comments

Joint proposal with NRAO.