

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4008 - L2 Version 3
Chandra X-Ray Center

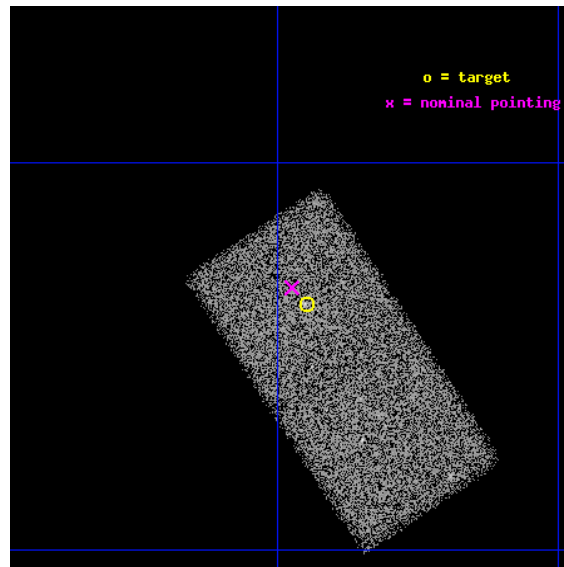
L2 Processing Date : Nov 7 2012

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1 Front

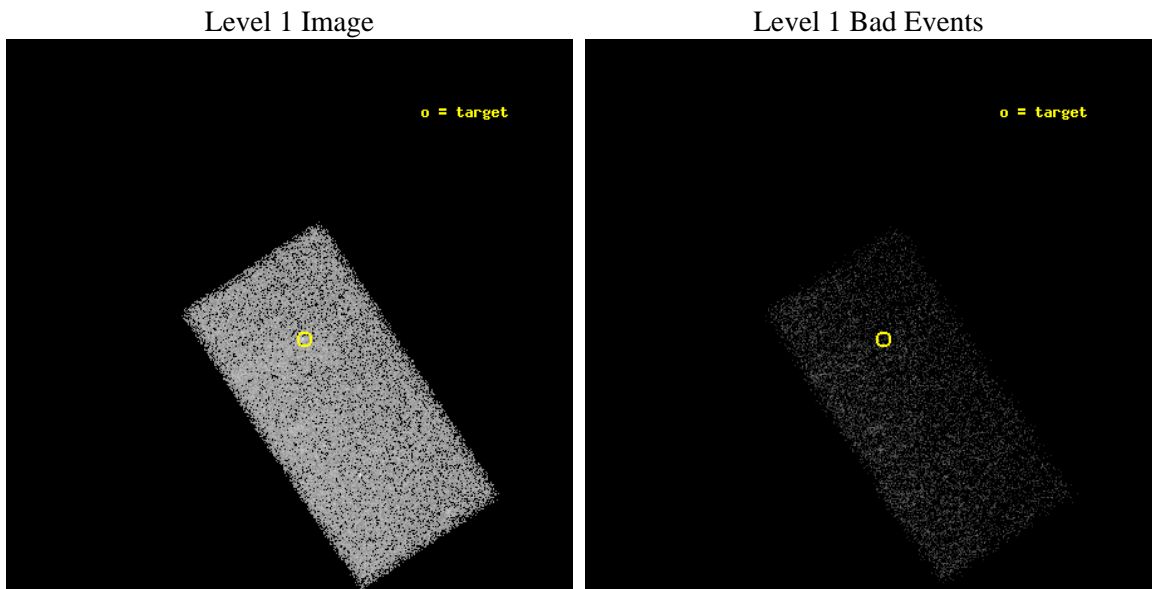
seq_num	700687	Sequence number
obs_id	4008	Observation id
title	QUIESCENT SUPERMASSIVE BLACK HOLES	Proposal title
observer	Dr. Giuseppina Fabbiano	Principal investigator
object	NGC 4564	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.111667	Observer's specified target RA [deg]
dec_targ	11.439167	Observer's specified target Dec [deg]
ra_nom	189.11845358016	Nominal RA [deg]
dec_nom	11.446208121336	Nominal Dec [deg]
roll_nom	56.645256222748	Nominal Roll [deg]
revision	3	Processing version of data
ontime	18349.5	Sum of GTIs [s]
livetime	17860.827752686	Livetime [s]
ontime7	18349.5	Sum of GTIs [s]
l2events	33840	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	18500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	18349.5	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	18349.5	Sum of GTIs [s]
date	2012-11-08T02:11:46	Date and time of file creation	l1events	72386	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

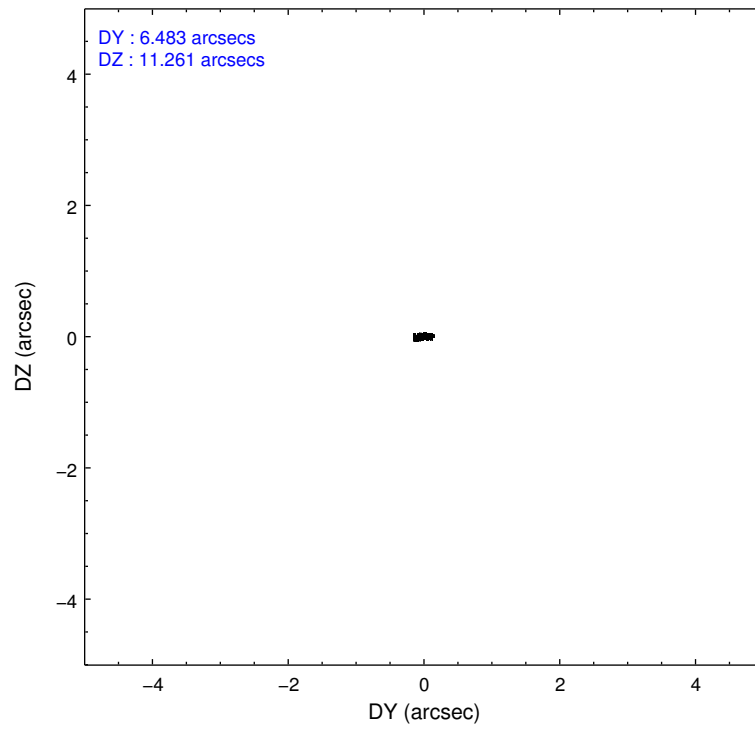
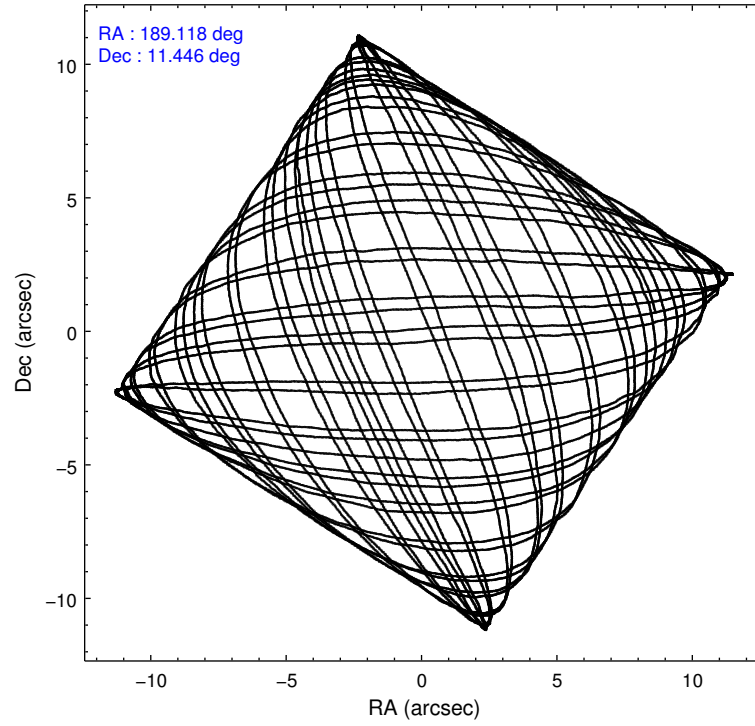
	ccd 7
level 1 events	72386
rejected events	37719
rejected %	52%

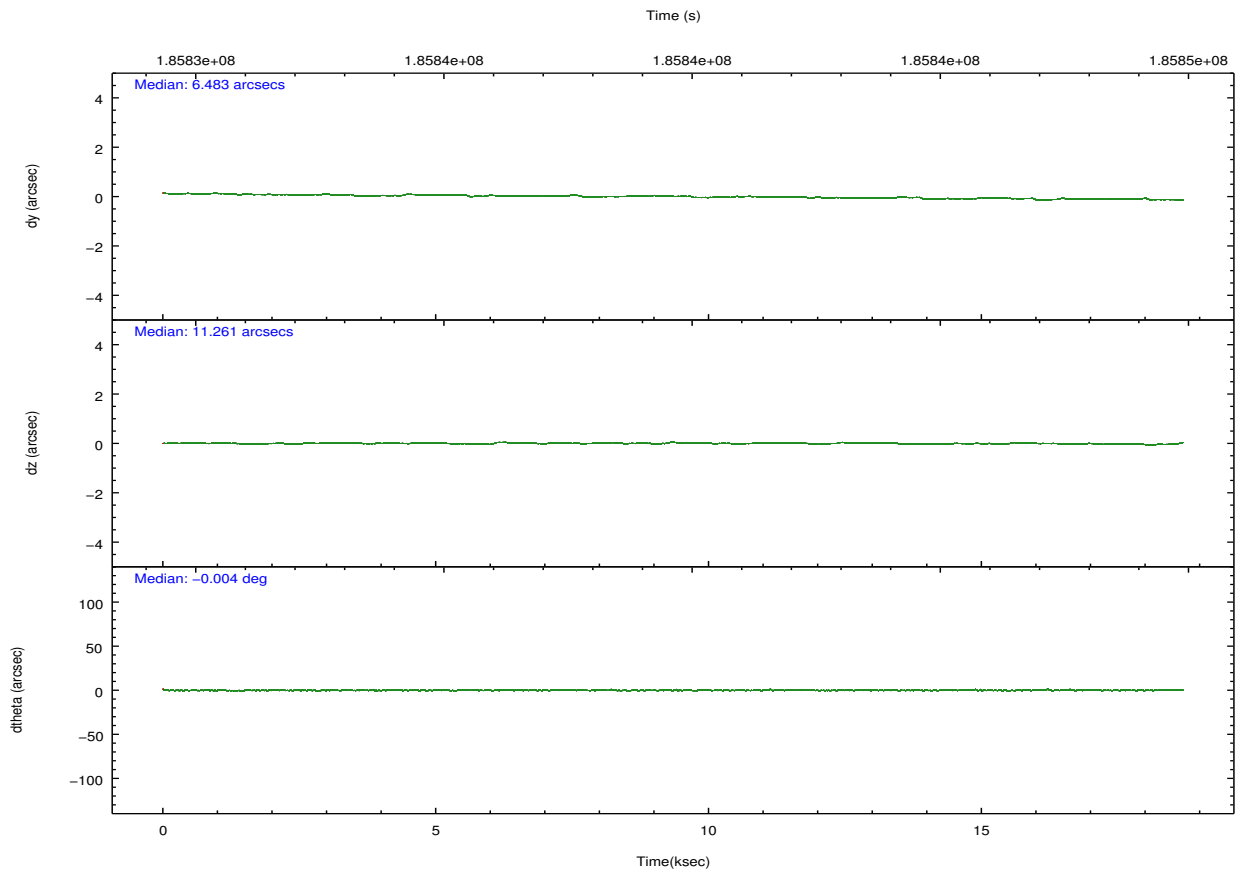
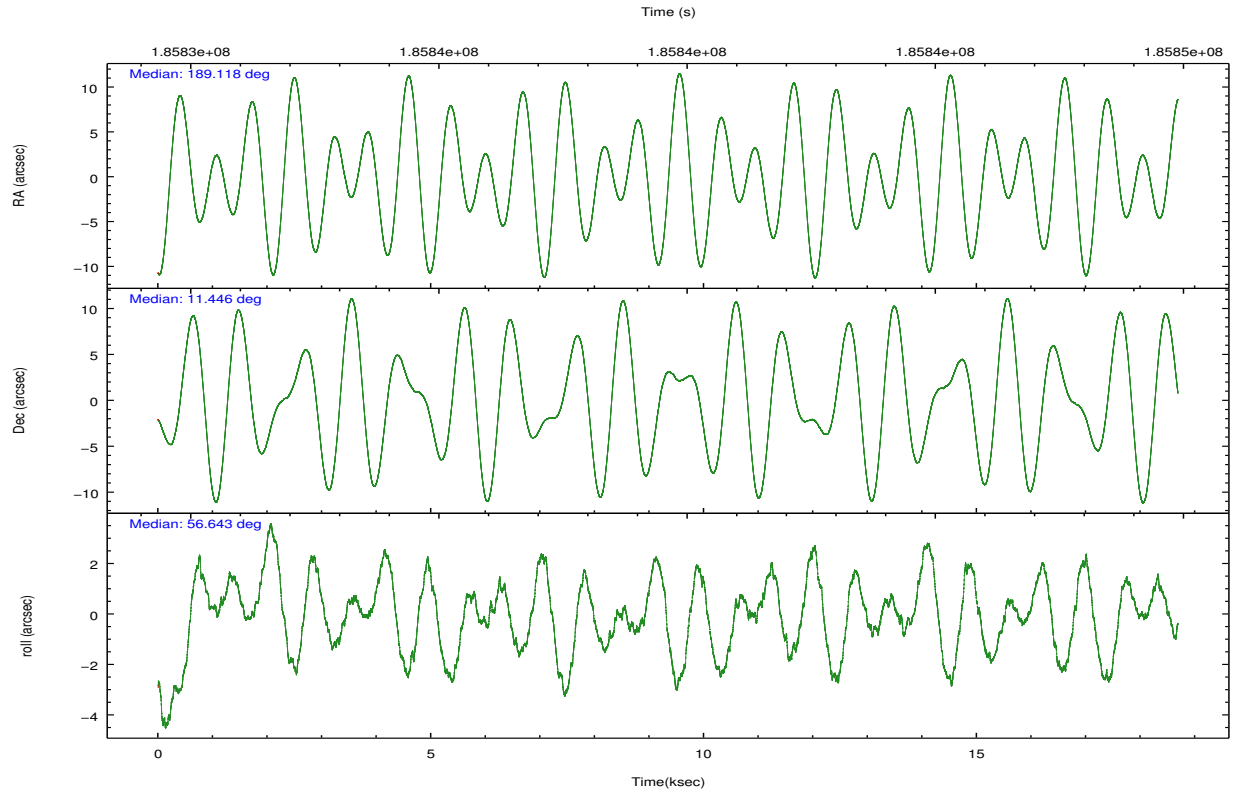
	ccd 7
grade 0 events	4155
	5%
grade 1 events	113
	0%
grade 2 events	7299
	10%
grade 3 events	3443
	4%
grade 4 events	3396
	4%
grade 5 events	6283
	8%
grade 6 events	16375
	22%
grade 7 events	31322
	43%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	189.117202	189.1184535801614	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	11.418978	11.44620812133618	Subarray start row	257	257
[deg] Pointing Roll	56.488885	56.64525622274822	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	185830467.184000	185830057.75972			
Observation start date	2003-11-21T19:33:23	2003-11-21T19:27:37			
[s] Observation end time (MET)	185848967.184000	185849201.17305			
Observation end date	2003-11-22T00:41:43	2003-11-22T00:46:41			
Read mode	TIMED	TIMED			

2.3 Aspect



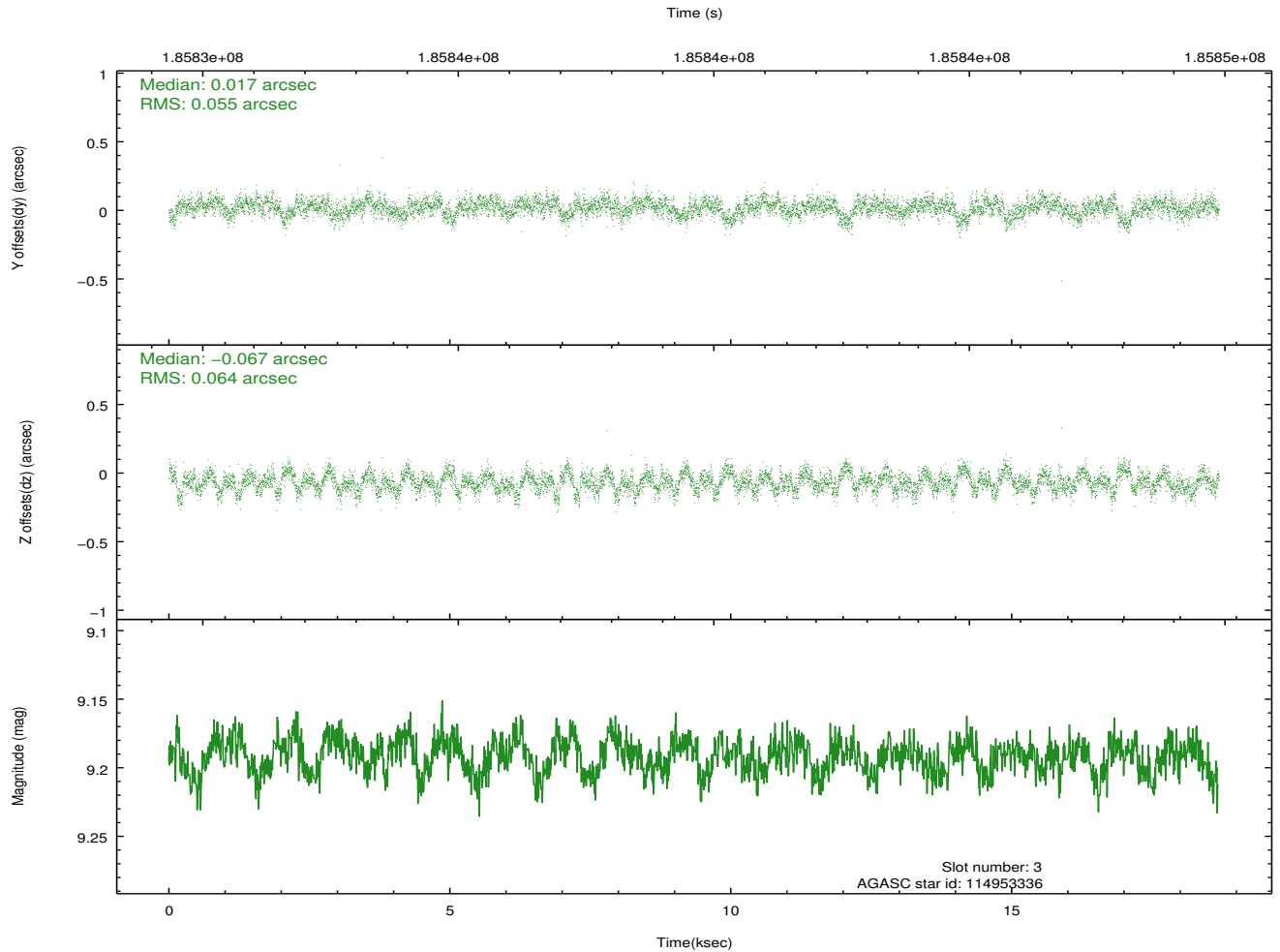
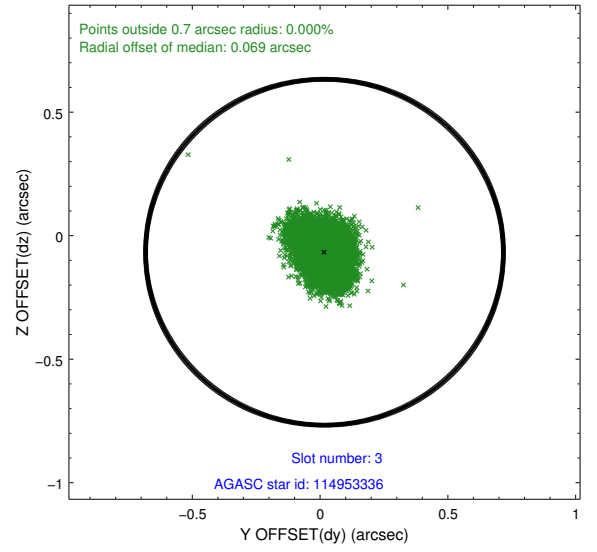
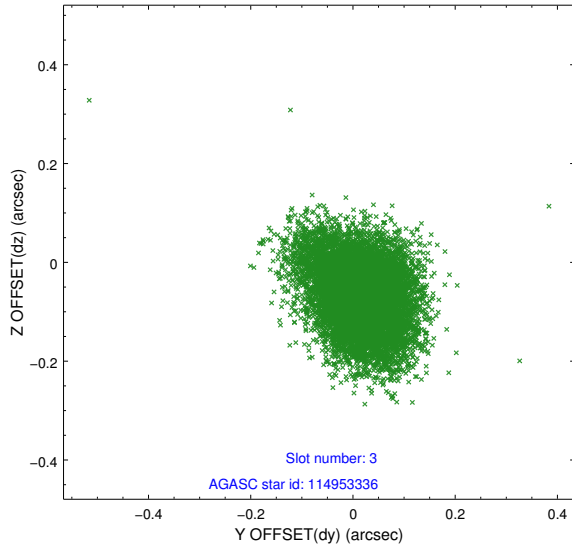


Slot Statistics

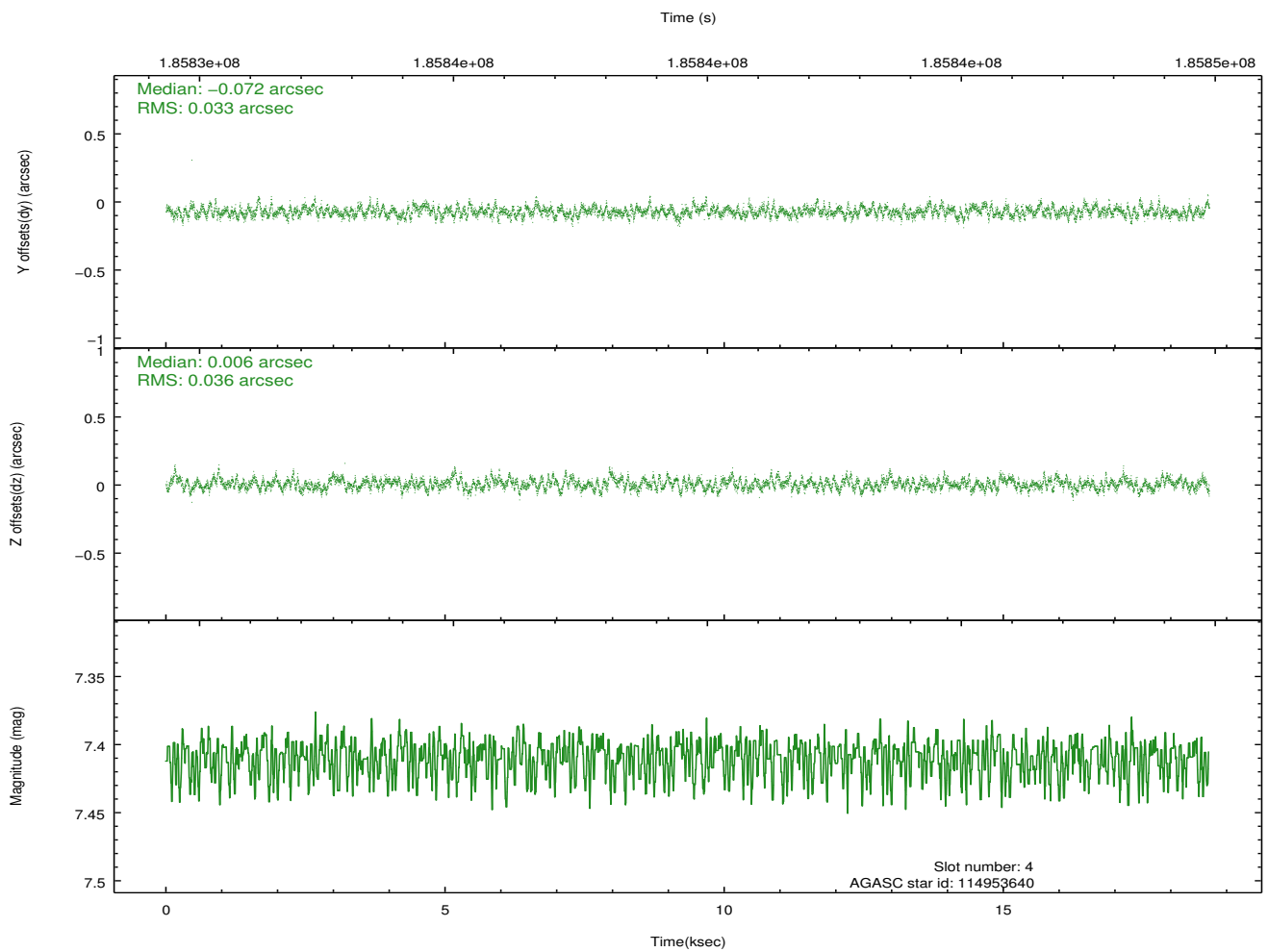
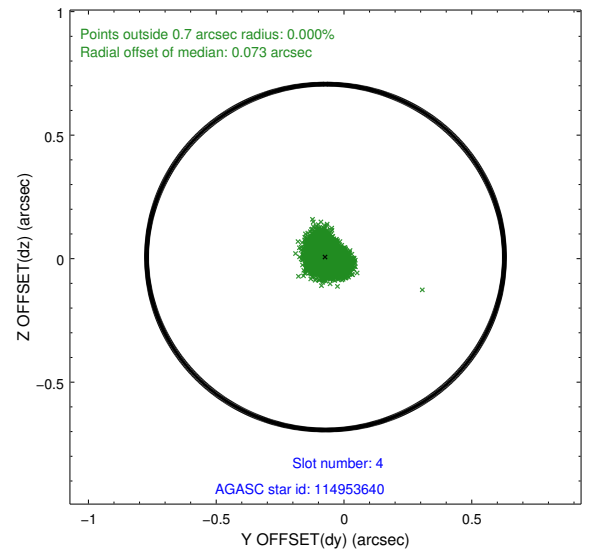
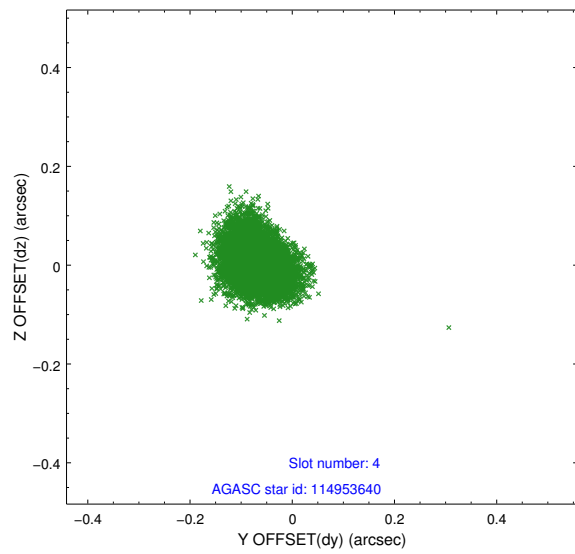
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4557	-0.049	-0.015	0.007	0.011	0.000000	0.000000	-759.25	-1732.56
1	FID	ACIS-S-4	7.20	4556	0.056	0.028	0.006	0.010	0.000000	0.000000	2154.02	175.77
2	FID	ACIS-S-5	7.23	4556	-0.038	-0.003	0.007	0.012	0.000000	0.000000	-1811.82	169.62
3	GUIDE	114953336	9.19	9110	0.017	-0.067	0.089	0.148	188.911176	11.326132	-679.94	422.01
4	GUIDE	114953640	7.41	9114	-0.072	0.006	0.052	0.085	188.794711	11.547726	-241.18	1204.82
5	GUIDE	114955592	8.11	9112	-0.014	-0.059	0.059	0.100	188.657433	11.300977	-1249.23	1119.59
6	GUIDE	115085264	7.89	9113	-0.134	-0.075	0.052	0.084	189.302301	11.817775	1557.12	249.15
7	GUIDE	115089856	8.81	9107	0.199	0.194	0.062	0.099	189.118504	10.729832	-2065.54	-1373.50

2.4 Star Slots

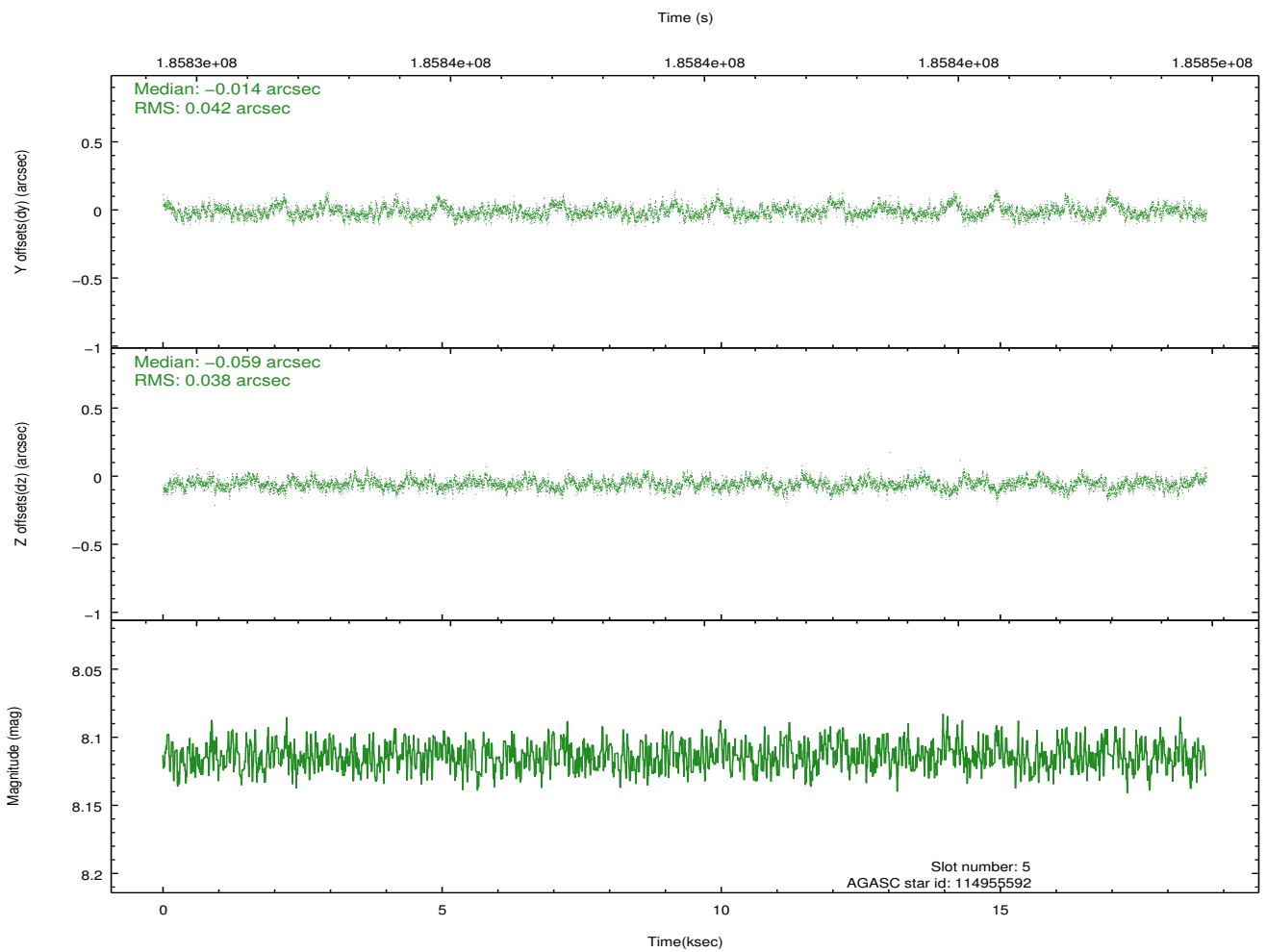
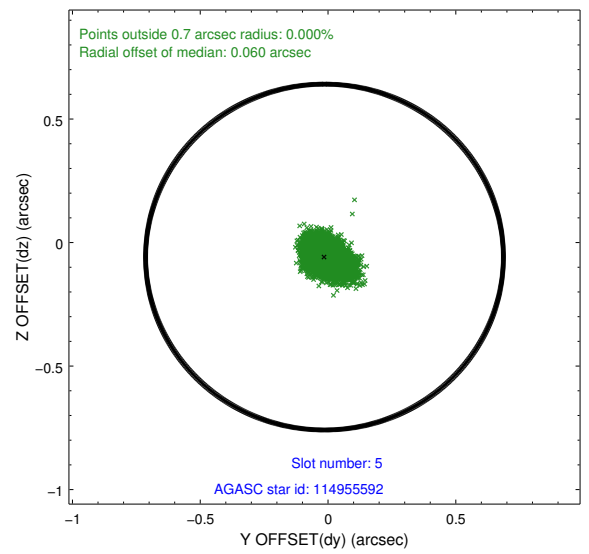
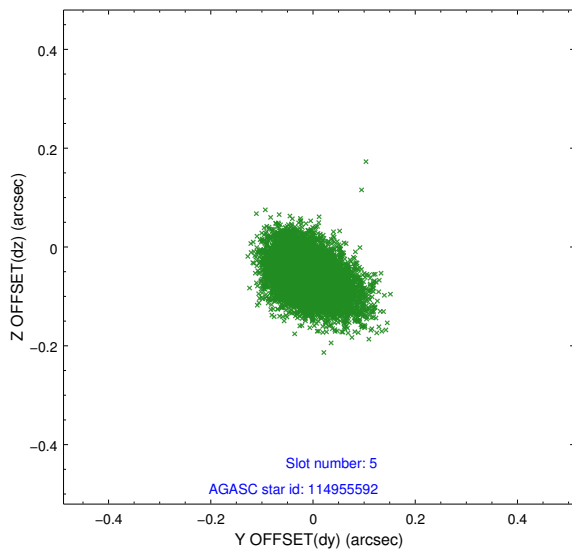
2.4.1 Slot 3



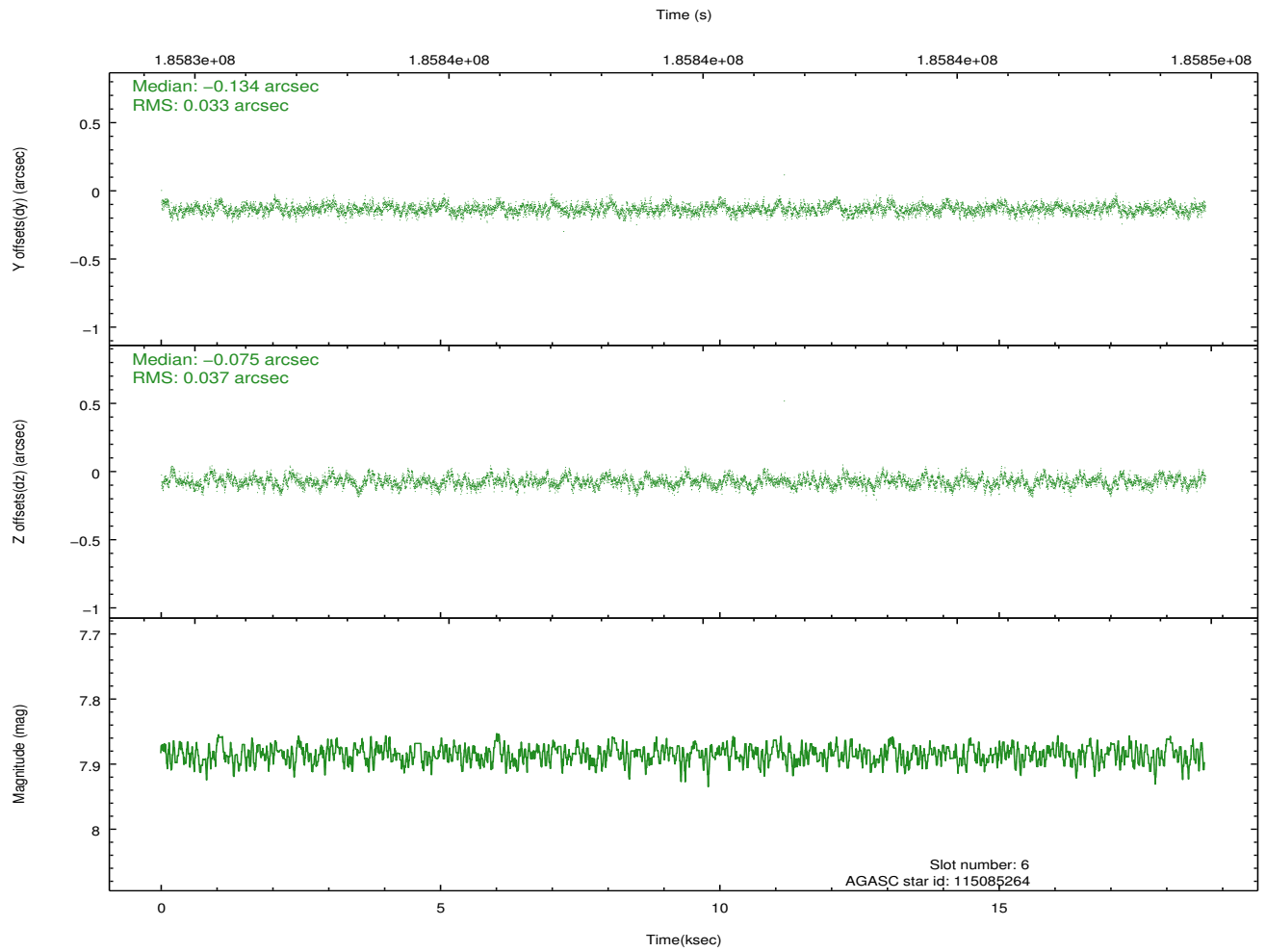
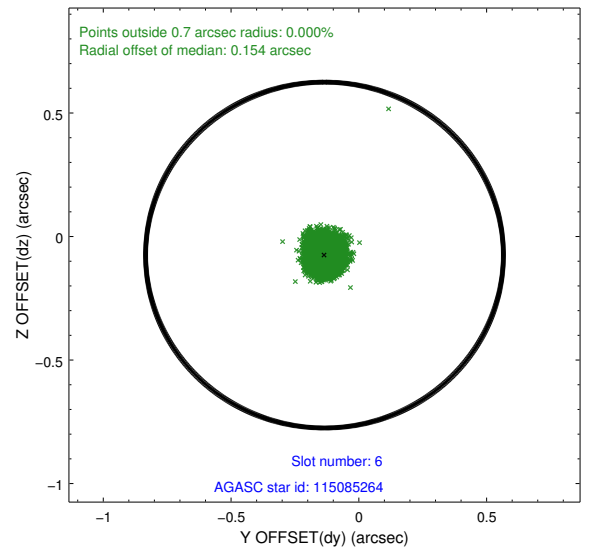
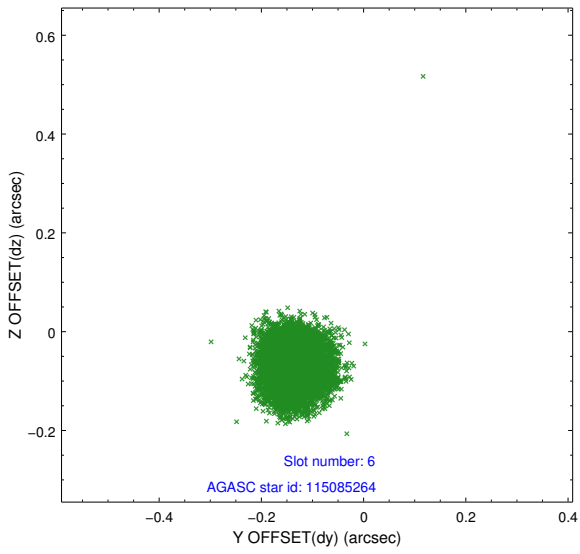
2.4.2 Slot 4



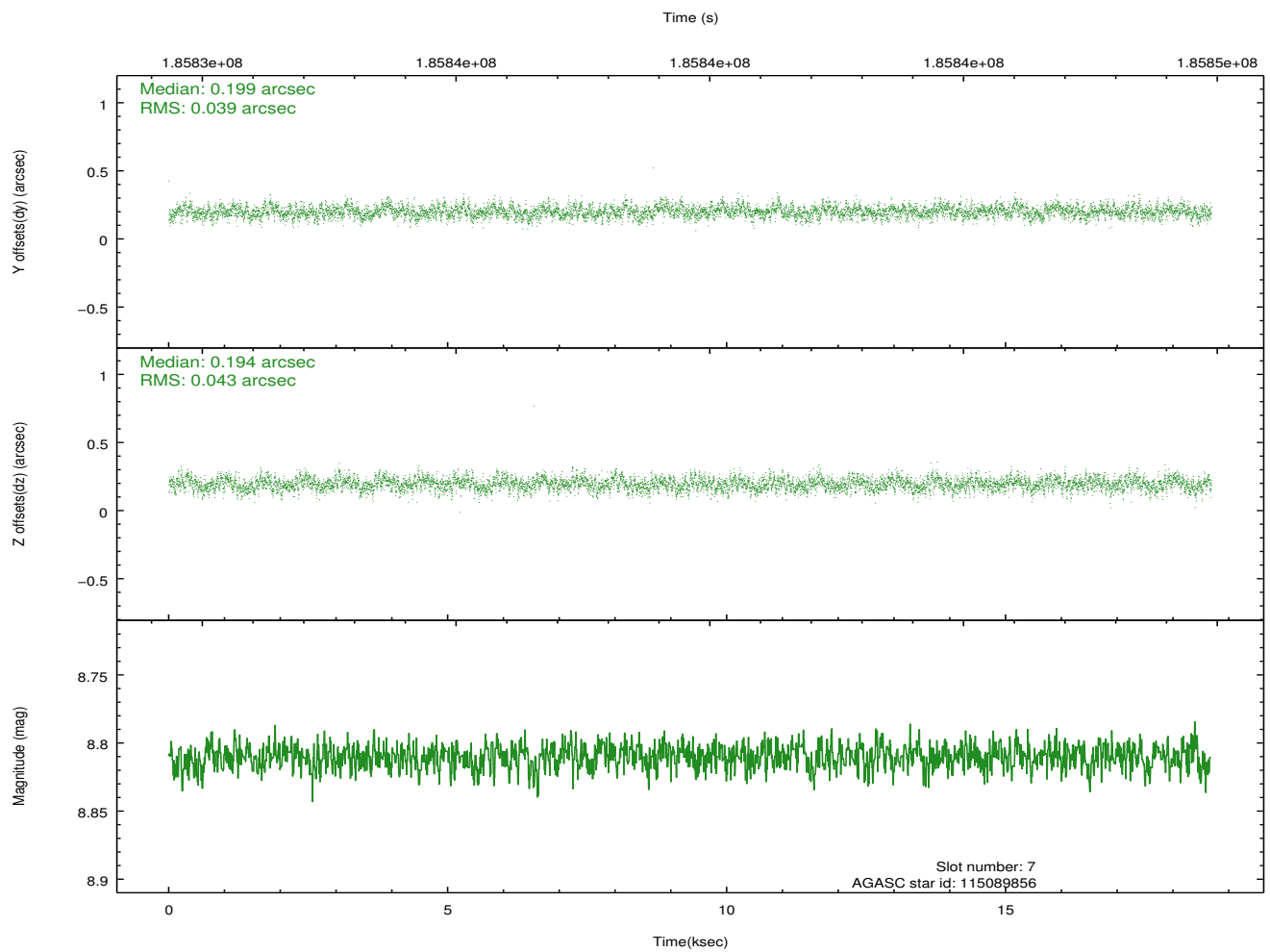
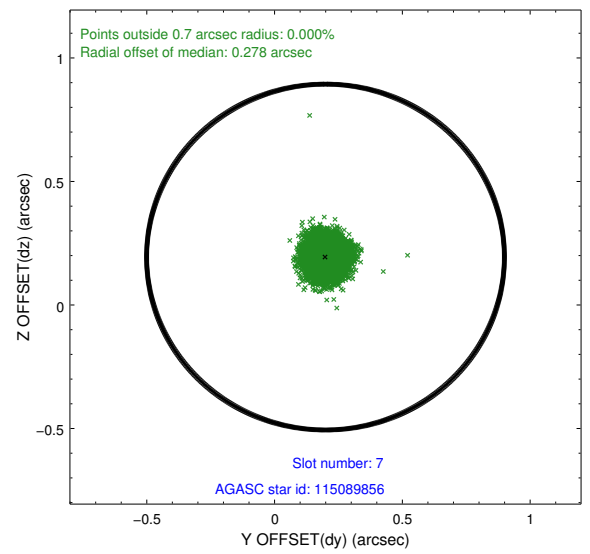
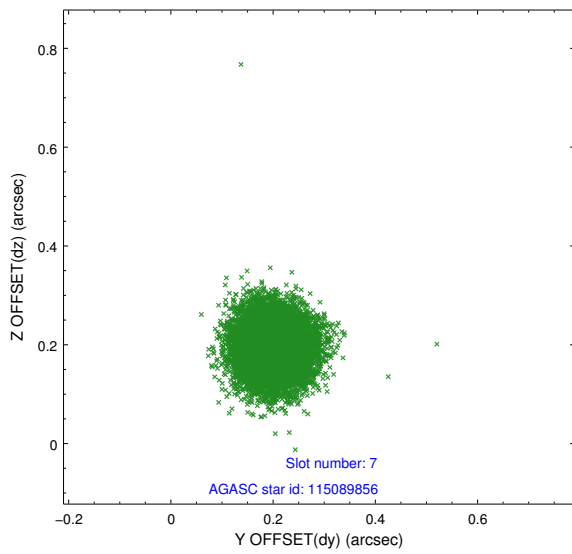
2.4.3 Slot 5



2.4.4 Slot 6

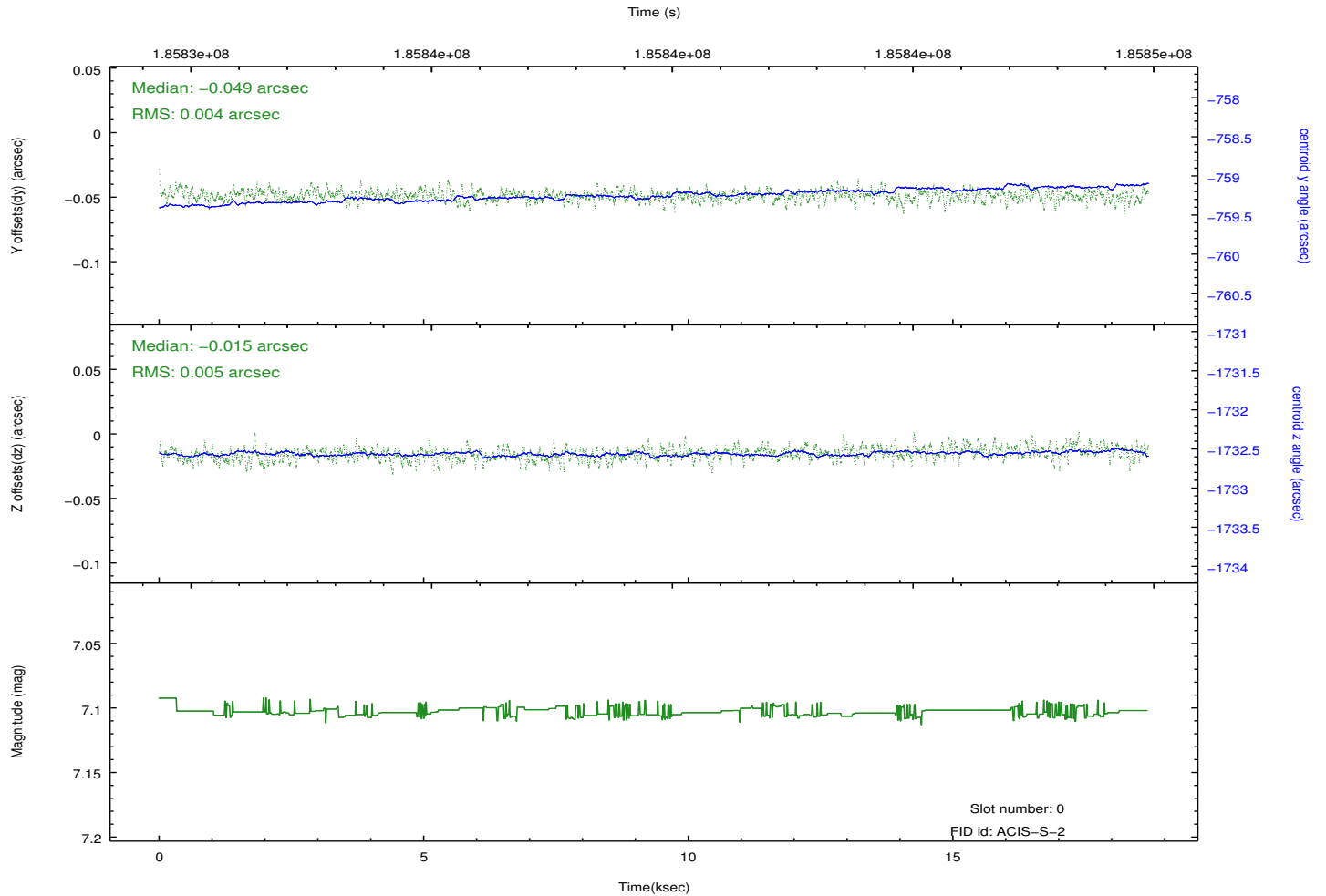
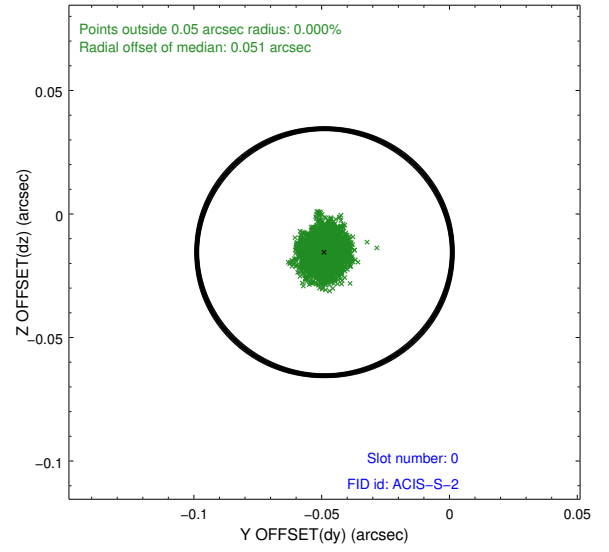
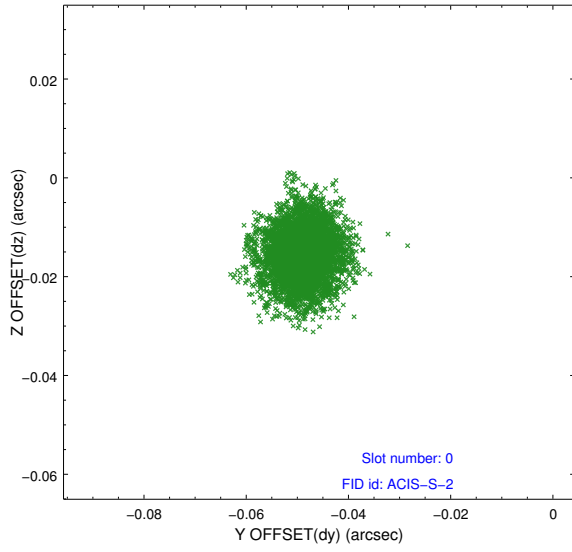


2.4.5 Slot 7

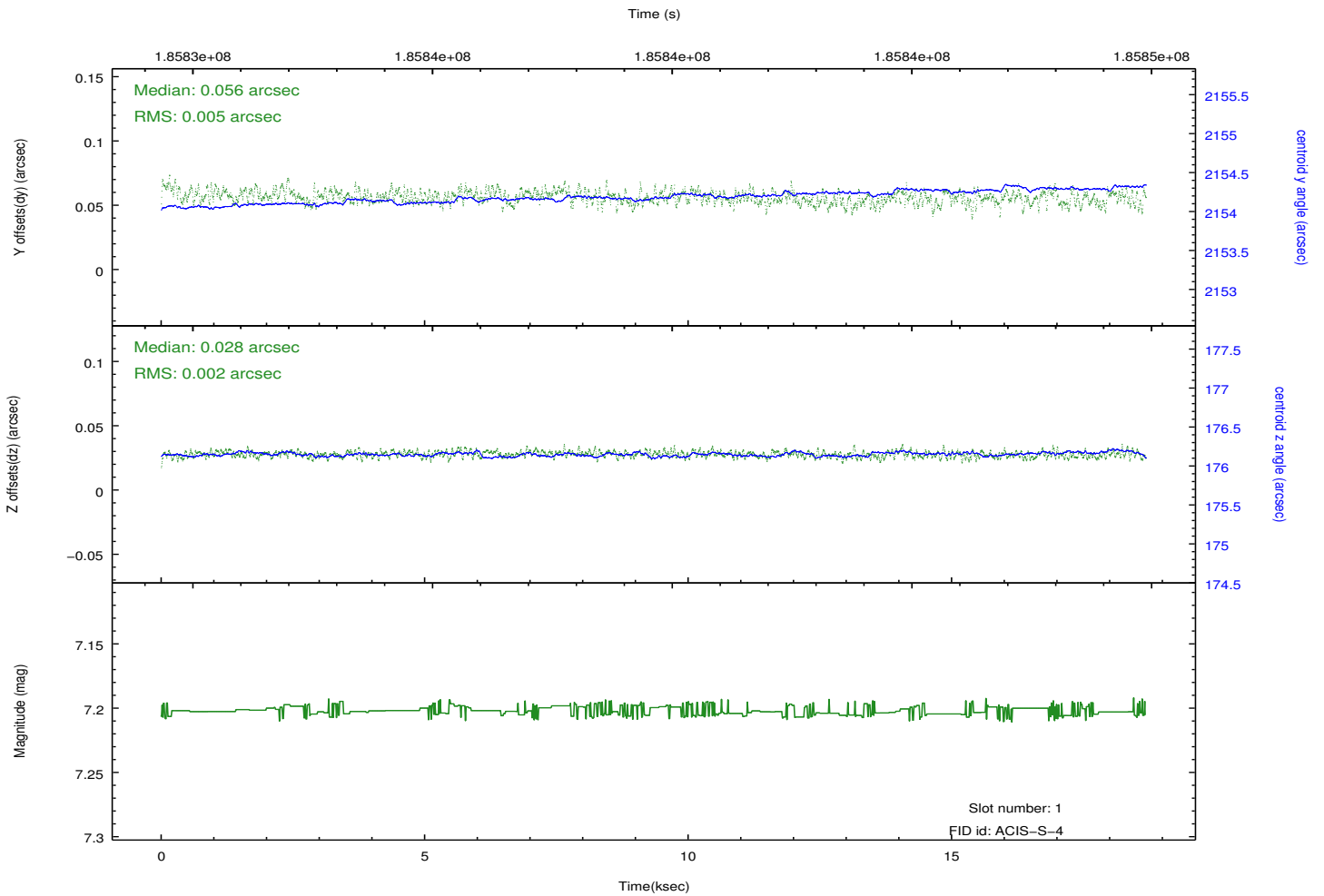
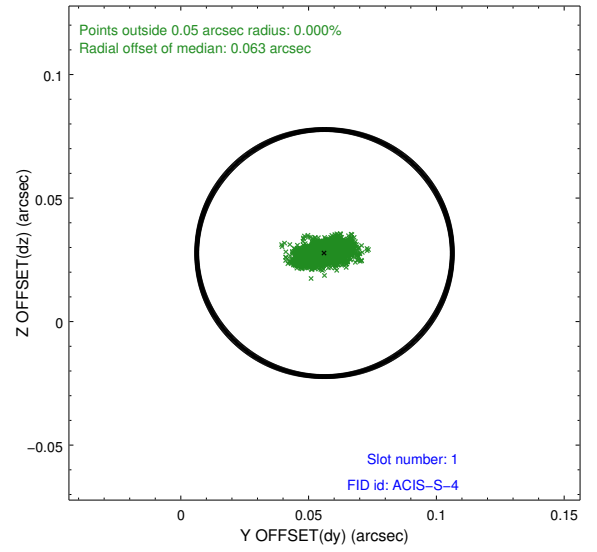
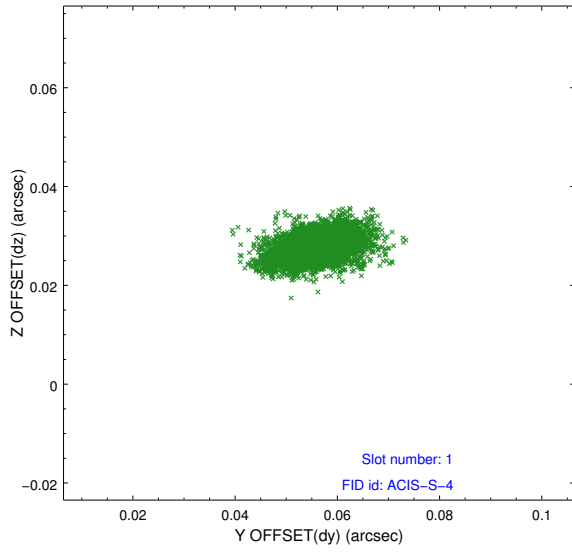


2.5 FID Slots

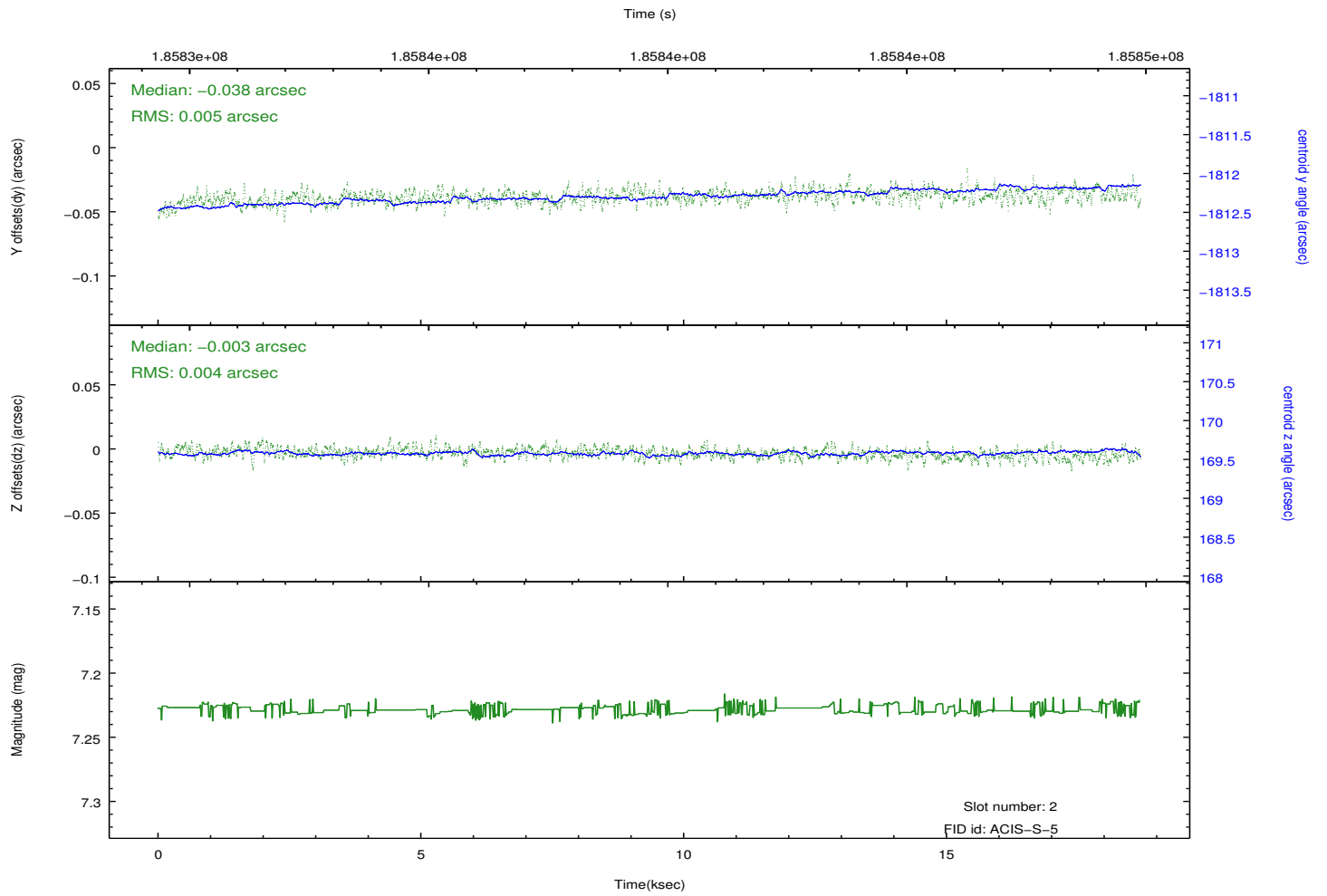
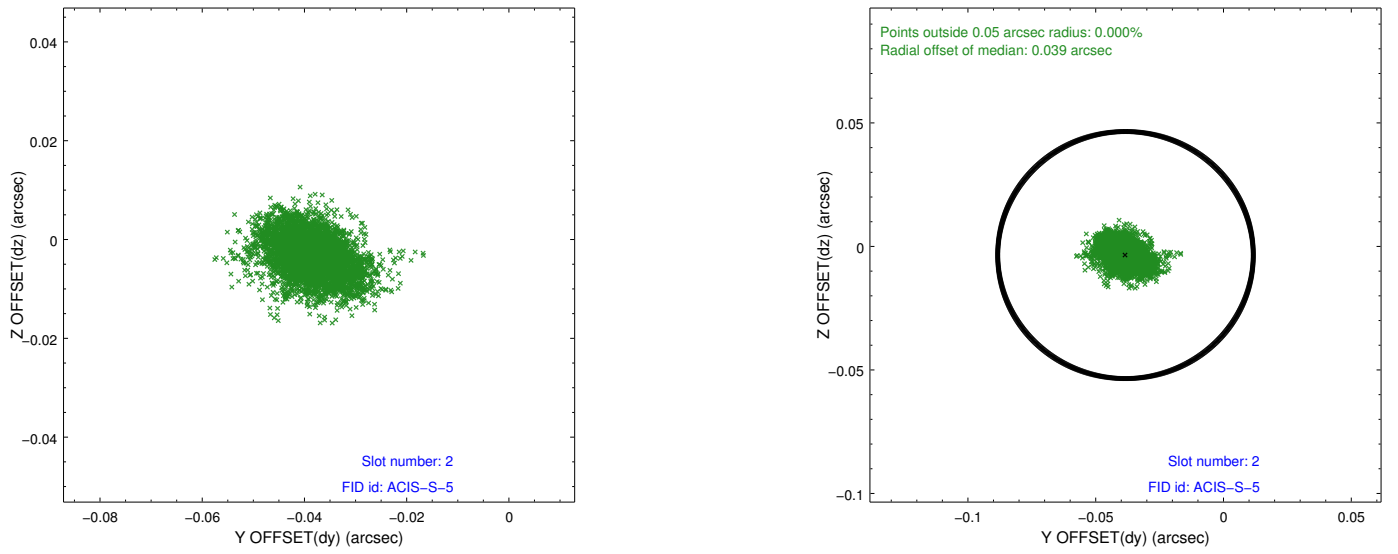
2.5.1 Slot 0



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)	2013.02.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.351

A.2 Comments