

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1554 - L2 Version 3
Chandra X-Ray Center

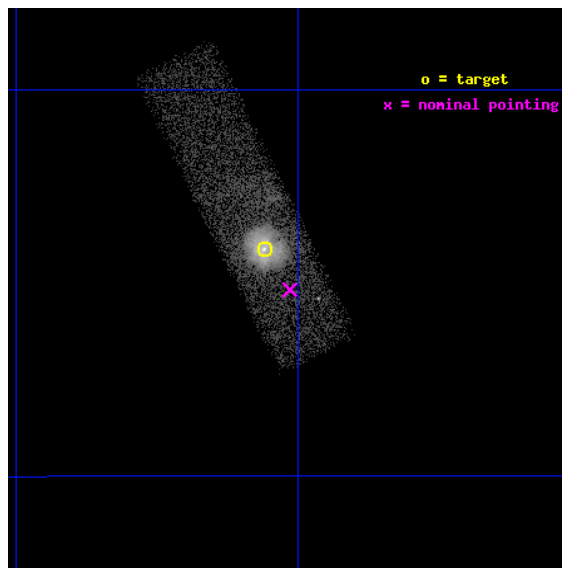
L2 Processing Date : Sep 20 2012

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

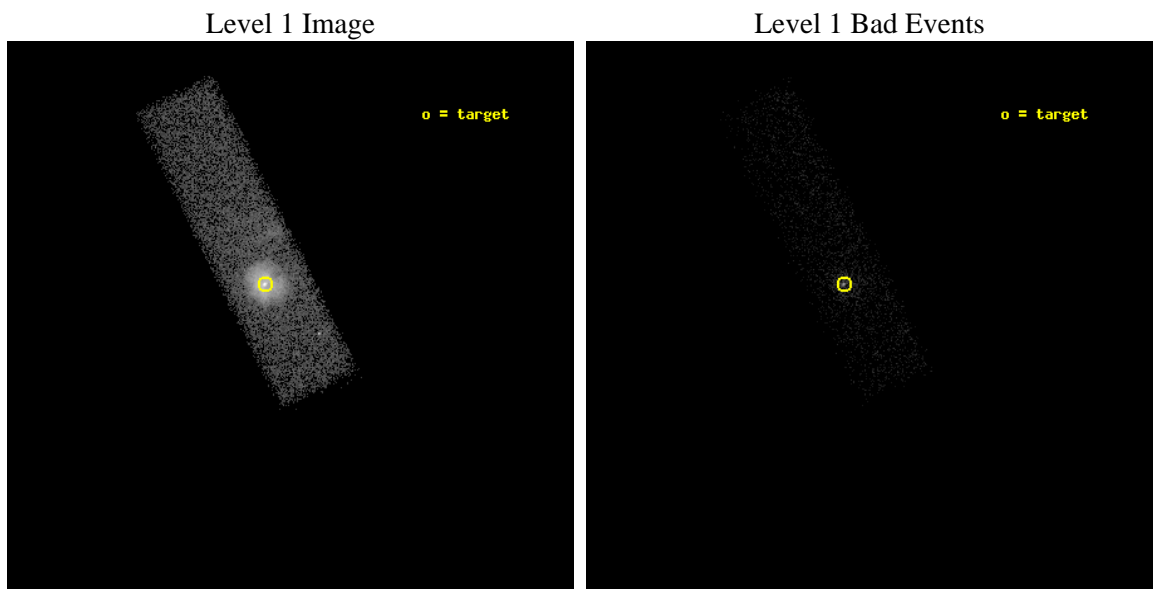
seq_num	590163	Sequence number
obs_id	1554	Observation id
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE G21.5-09	Proposal
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip S3, T=120, Offsets=-1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.37847331817	Nominal RA [deg]
dec_nom	-10.586404313136	Nominal Dec [deg]
roll_nom	243.41380603747	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9525.5179143846	Sum of GTIs [s]
livetime	9060.7038089838	Livetime [s]
ontime7	9525.5179143846	Sum of GTIs [s]
l2events	40695	Number of level 2 events



2 OBI

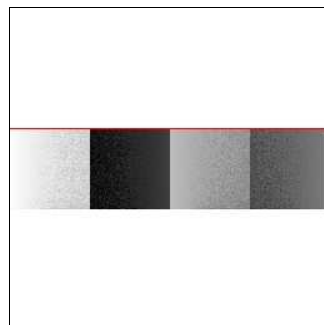
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9525.5179143846	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	9525.5179143846	Sum of GTIs [s]
date	2012-09-20T19:23:02	Date and time of file creation	l1events	55714	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

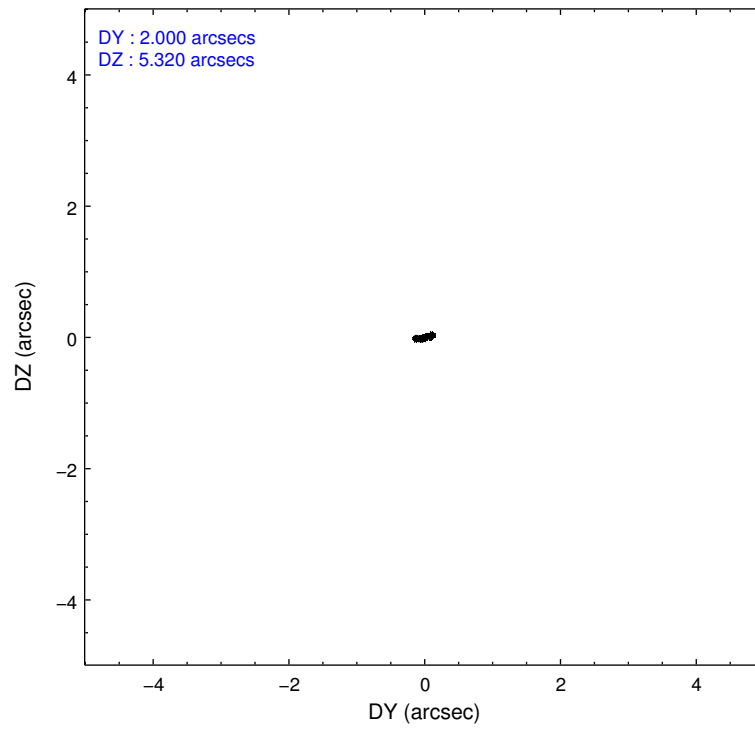
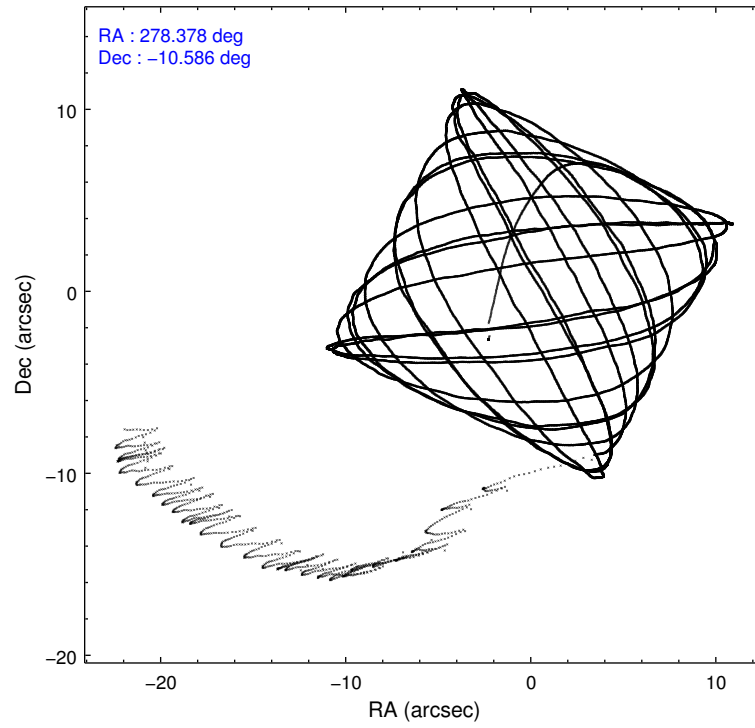
	ccd 7
level 1 events	55714
rejected events	14612
rejected %	26%

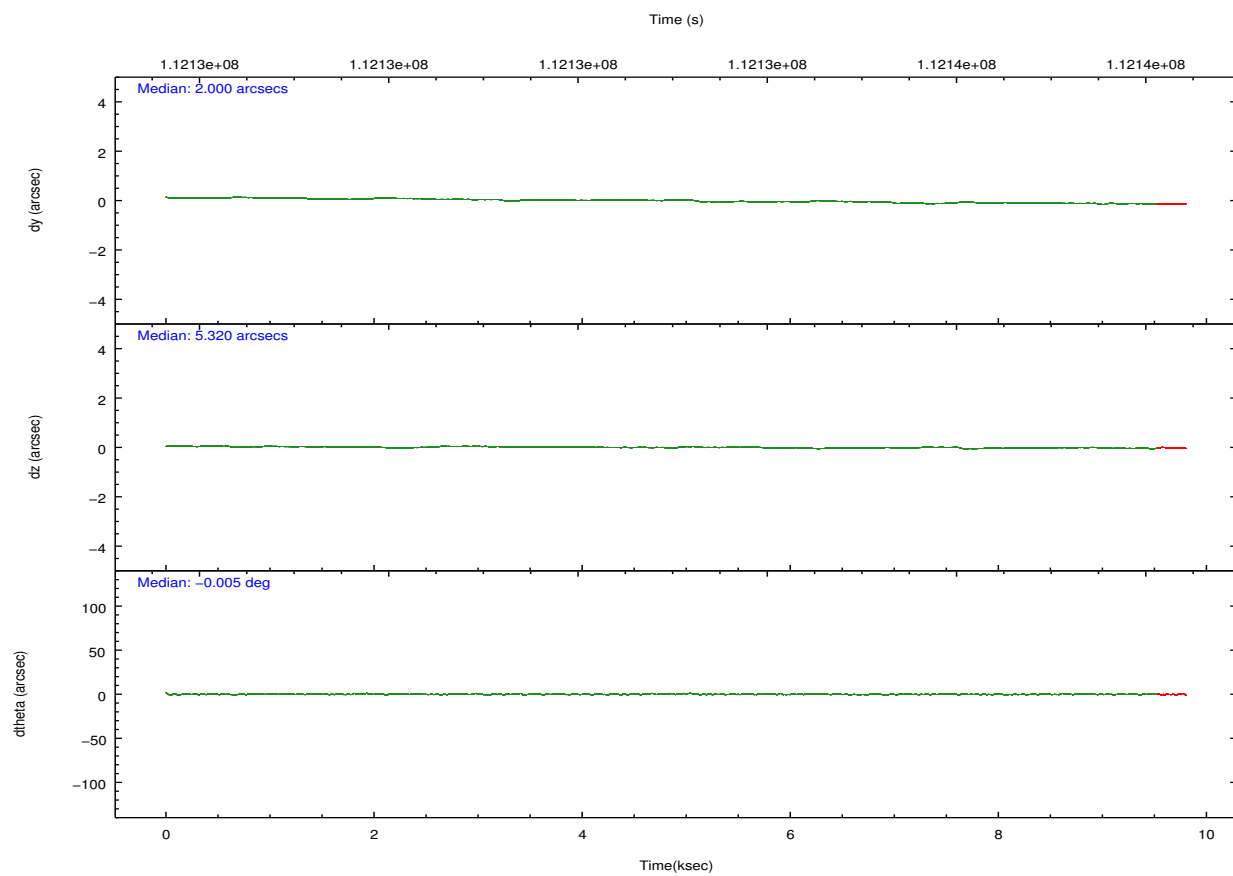
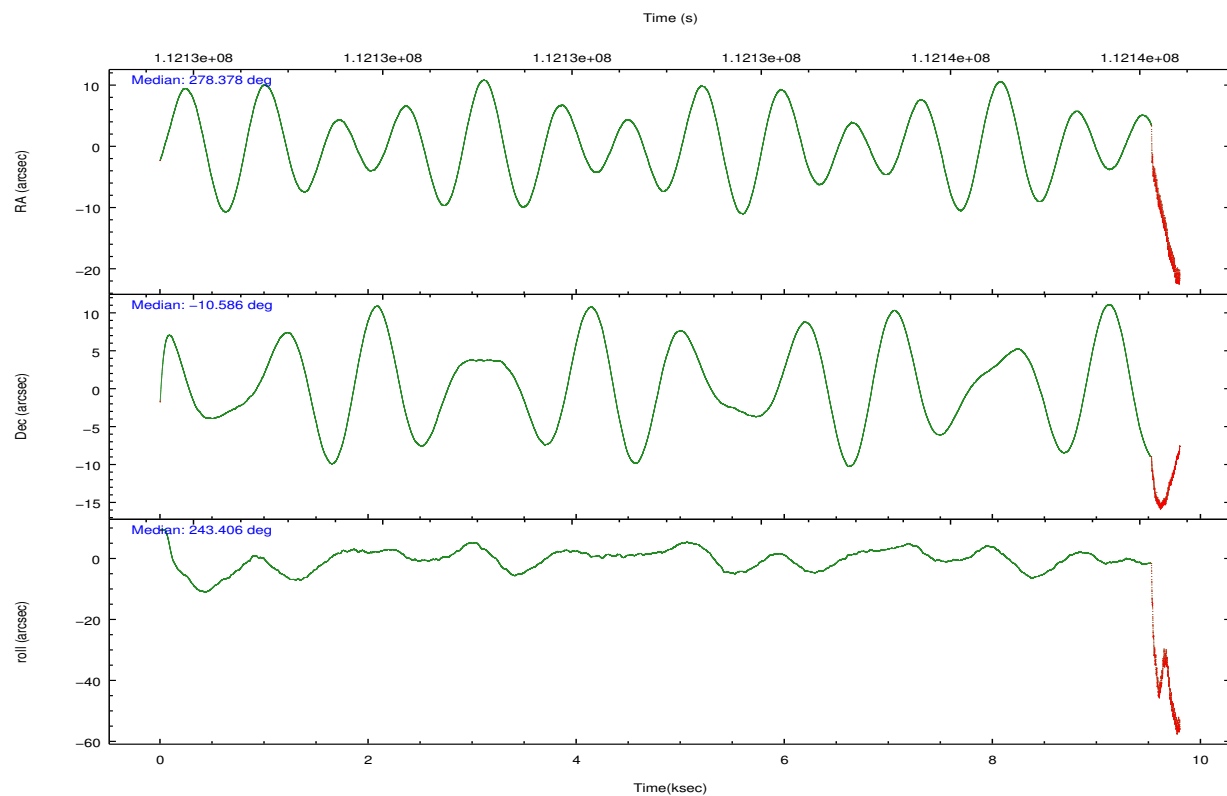
	ccd 7
grade 0 events	8603
	15%
grade 1 events	42
	0%
grade 2 events	10418
	18%
grade 3 events	4937
	8%
grade 4 events	4888
	8%
grade 5 events	2383
	4%
grade 6 events	14321
	25%
grade 7 events	10122
	18%

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	278.376570	278.3784733181748	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-10.559092	-10.58640431313641	Subarray start row	384	384
[deg] Pointing Roll	243.257098	243.4138060374728	Subarray row count	256	256
[s] Window start time (MET)	110332864.184000	110332864.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	112838464.184000	112838464.184000	[s] Primary exposure time	0.000000	0.8
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	112128539.184000	112127465.07685			
Observation start date	2001-07-21T18:47:55	2001-07-21T18:31:05			
[s] Observation end time (MET)	112137939.184000	112138601.18979			
Observation end date	2001-07-21T21:24:35	2001-07-21T21:36:41			
Read mode	TIMED	TIMED			

2.3 Aspect



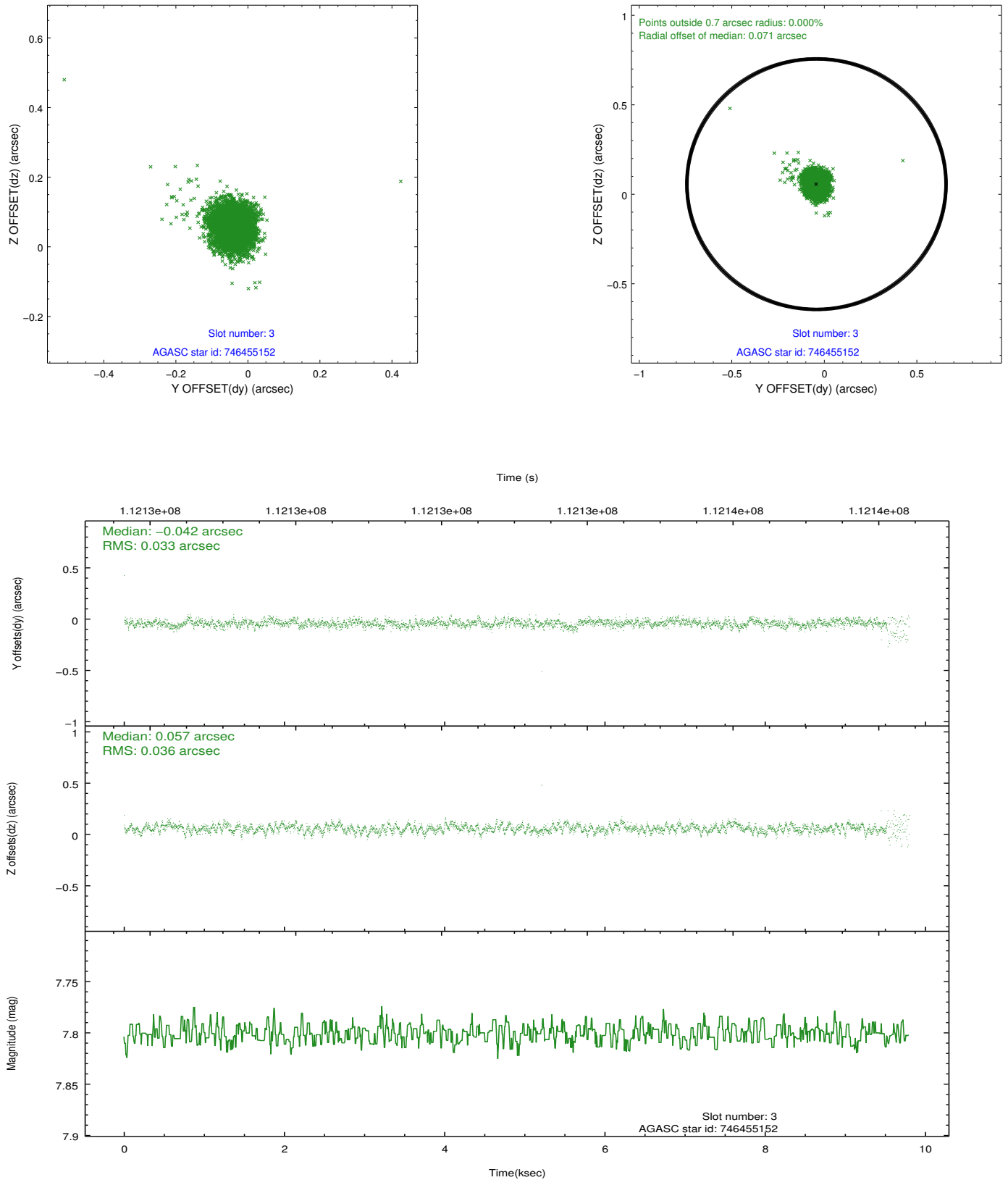


Slot Statistics

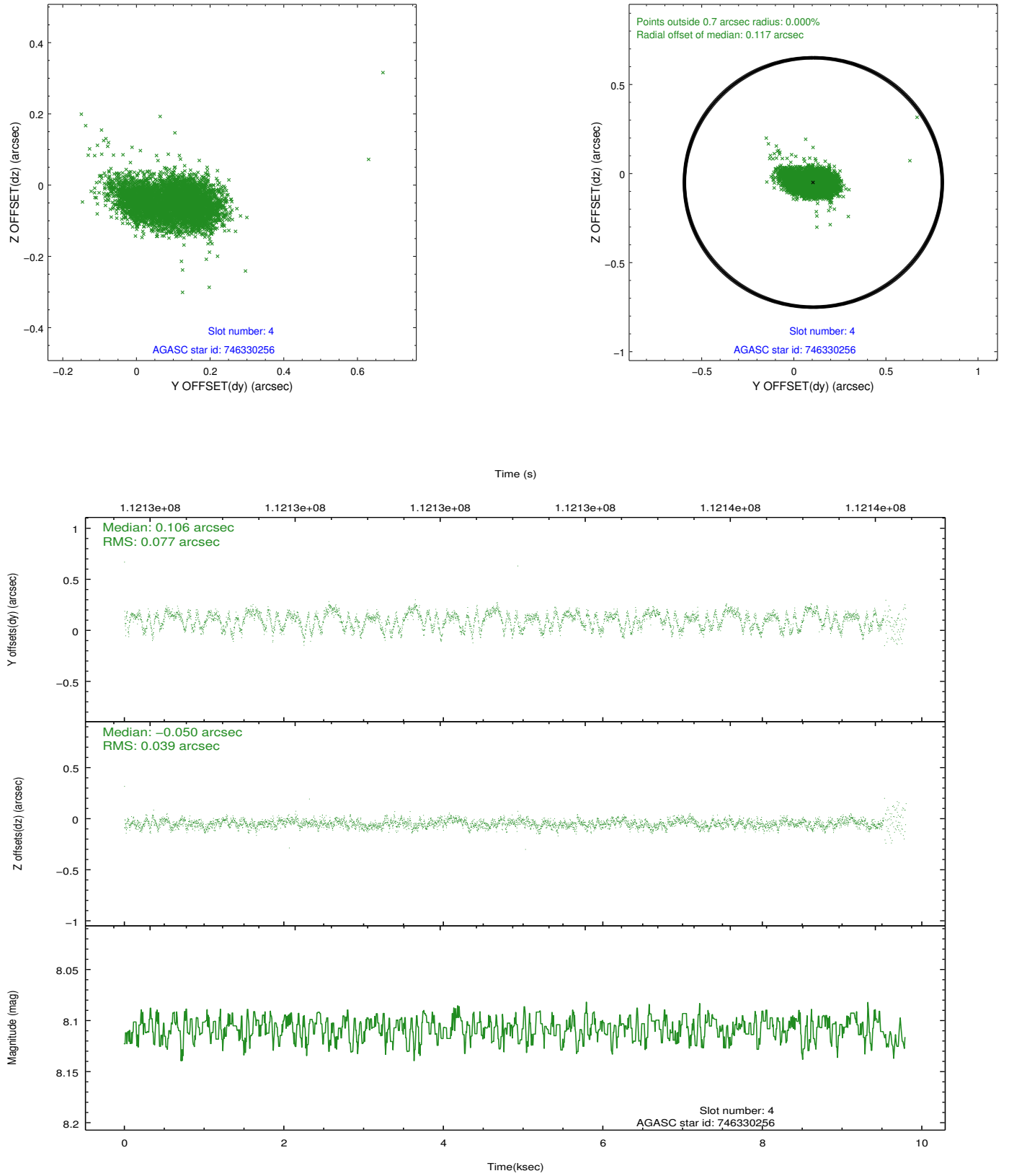
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.37	2390	-0.070	-0.032	0.008	0.012	0.000000	0.000000	58.56	-1855.54
1	FID	ACIS-S-4	7.20	2389	-0.018	0.052	0.006	0.010	0.000000	0.000000	2158.75	181.51
2	FID	ACIS-S-5	7.24	2389	0.060	-0.011	0.006	0.011	0.000000	0.000000	-1806.68	175.73
3	GUIDE	746455152	7.80	4714	-0.042	0.057	0.049	0.081	278.447893	-9.976732	-1985.44	-717.03
4	GUIDE	746330256	8.11	4715	0.106	-0.050	0.090	0.148	277.634401	-10.863955	2164.16	-1847.19
5	GUIDE	746462456	8.40	4715	-0.035	0.027	0.079	0.125	278.652171	-10.530173	-530.54	824.93
6	GUIDE	746460272	8.91	4718	-0.024	-0.013	0.065	0.111	278.847488	-10.152127	-2057.93	832.24
7	GUIDE	746461728	9.78	4711	-0.006	-0.020	0.133	0.210	278.986921	-10.530755	-1061.51	1885.02

2.4 Star Slots

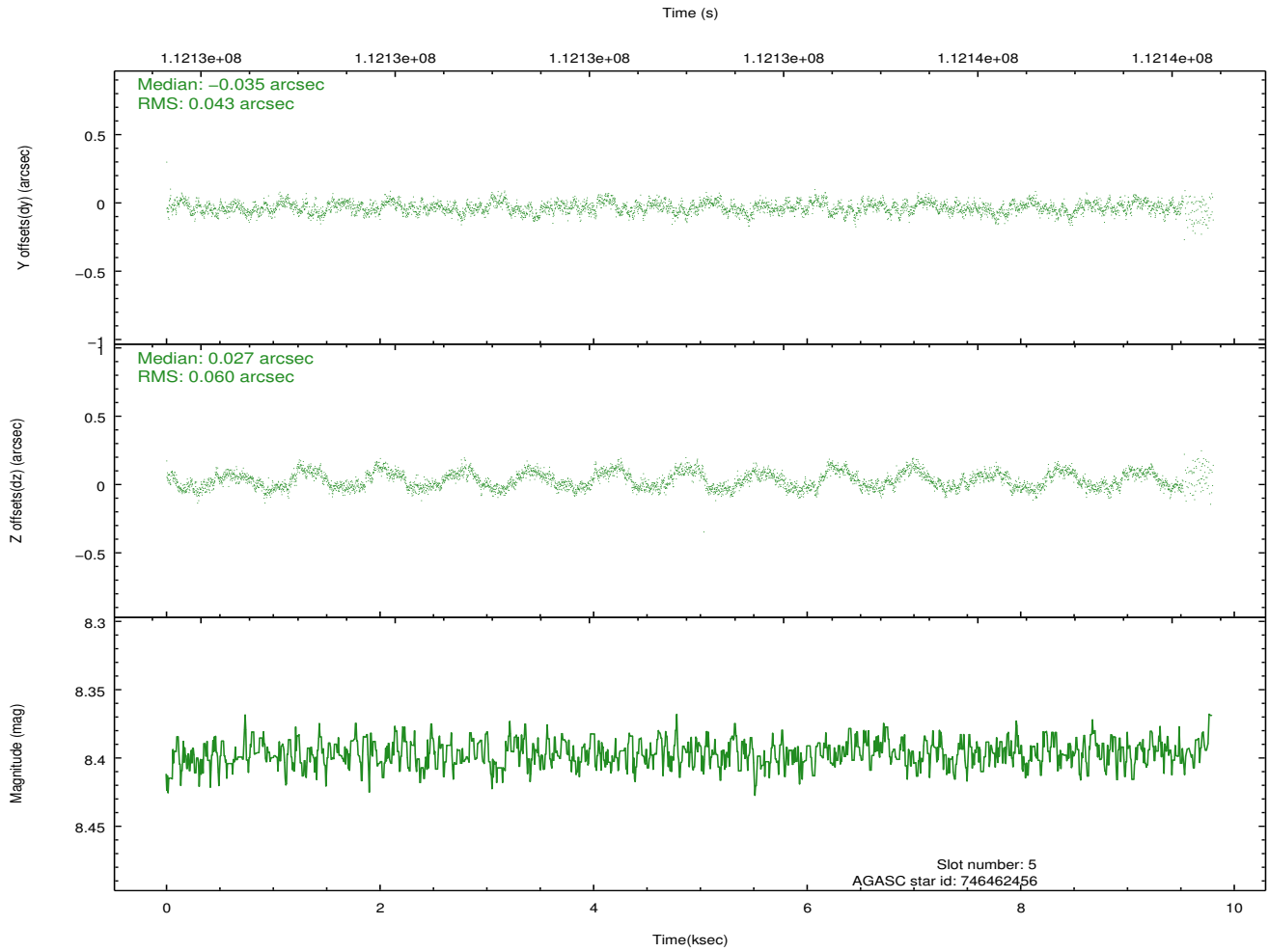
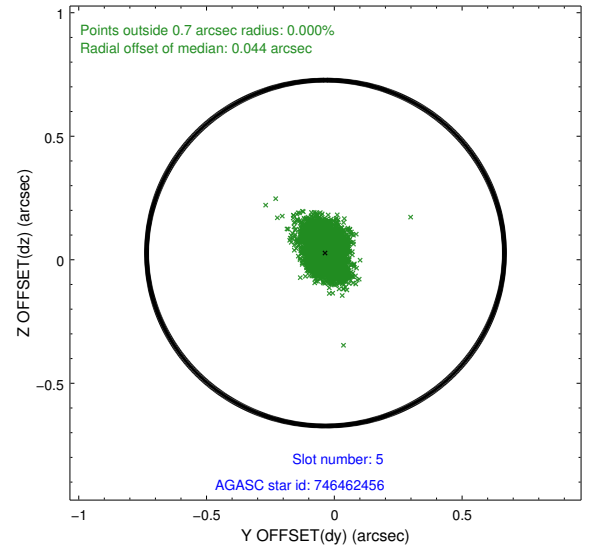
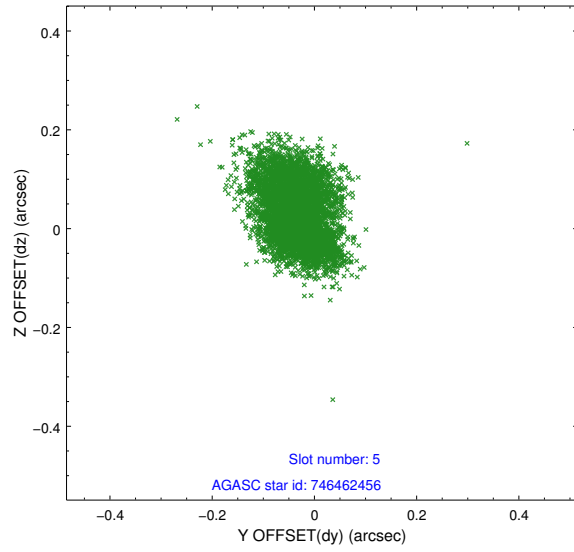
2.4.1 Slot 3



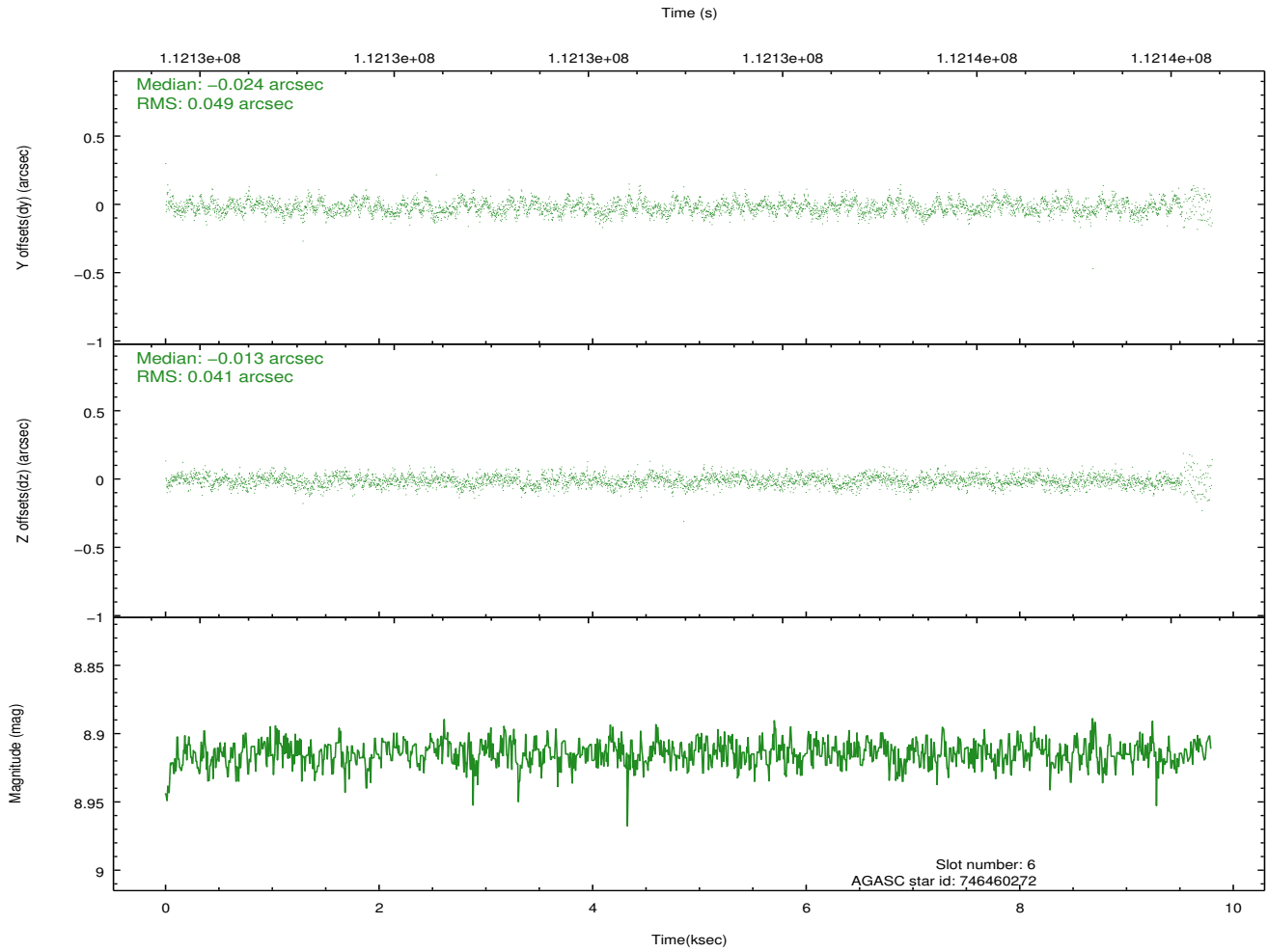
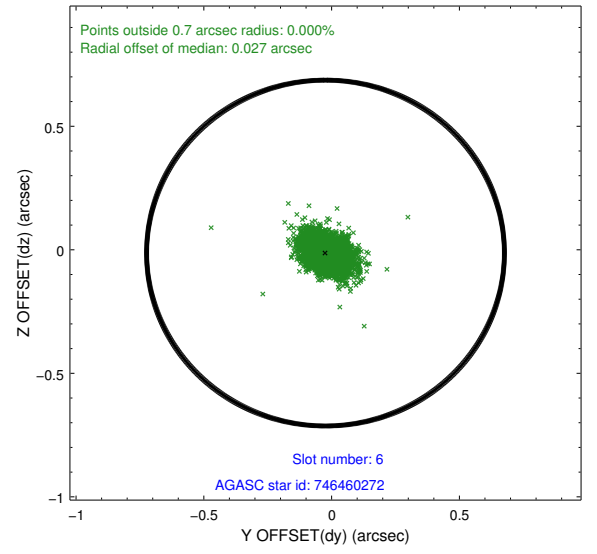
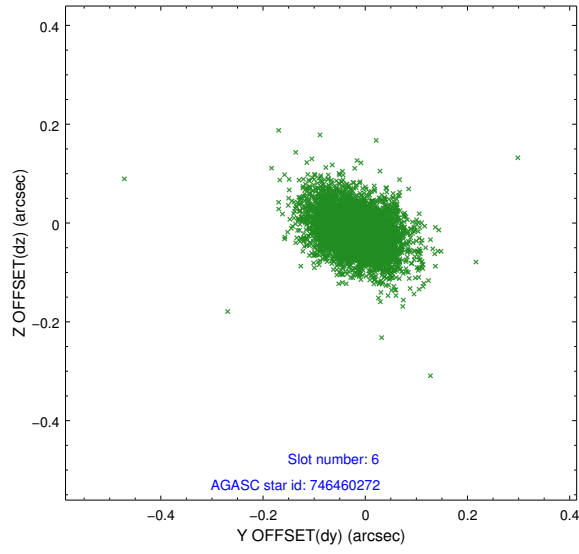
2.4.2 Slot 4



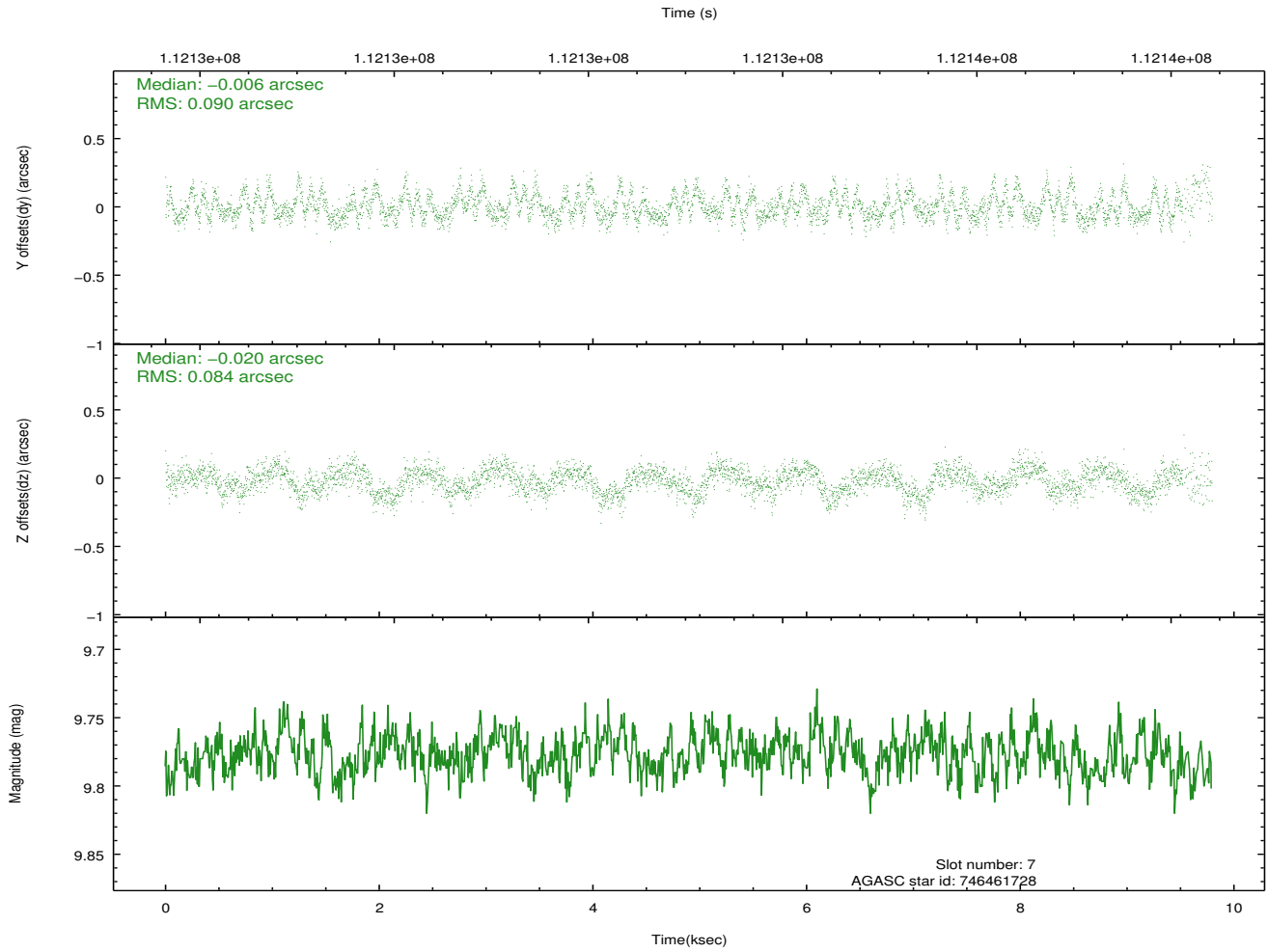
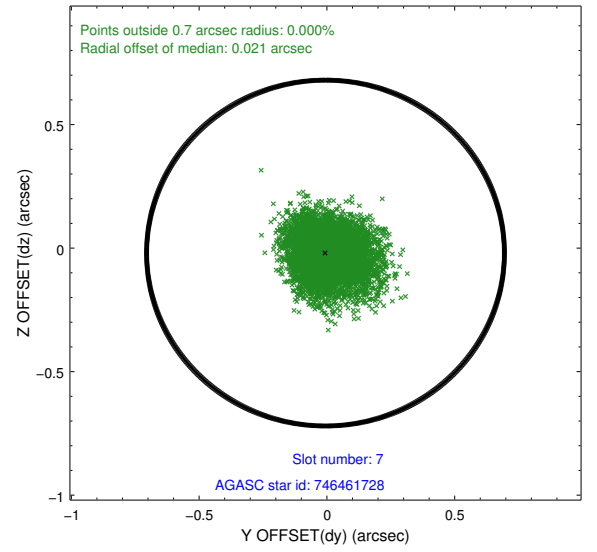
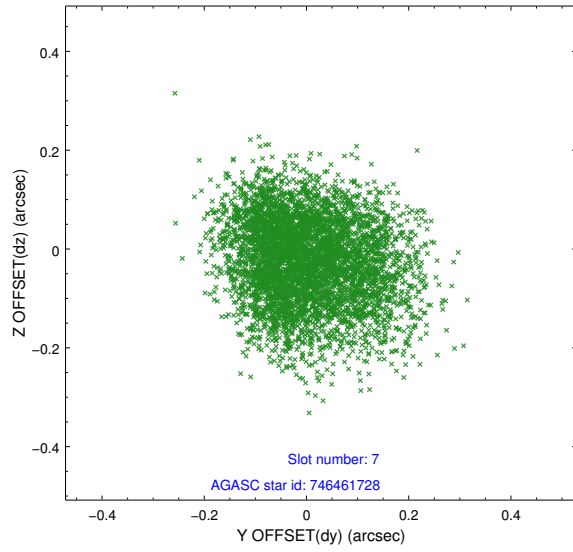
2.4.3 Slot 5



2.4.4 Slot 6

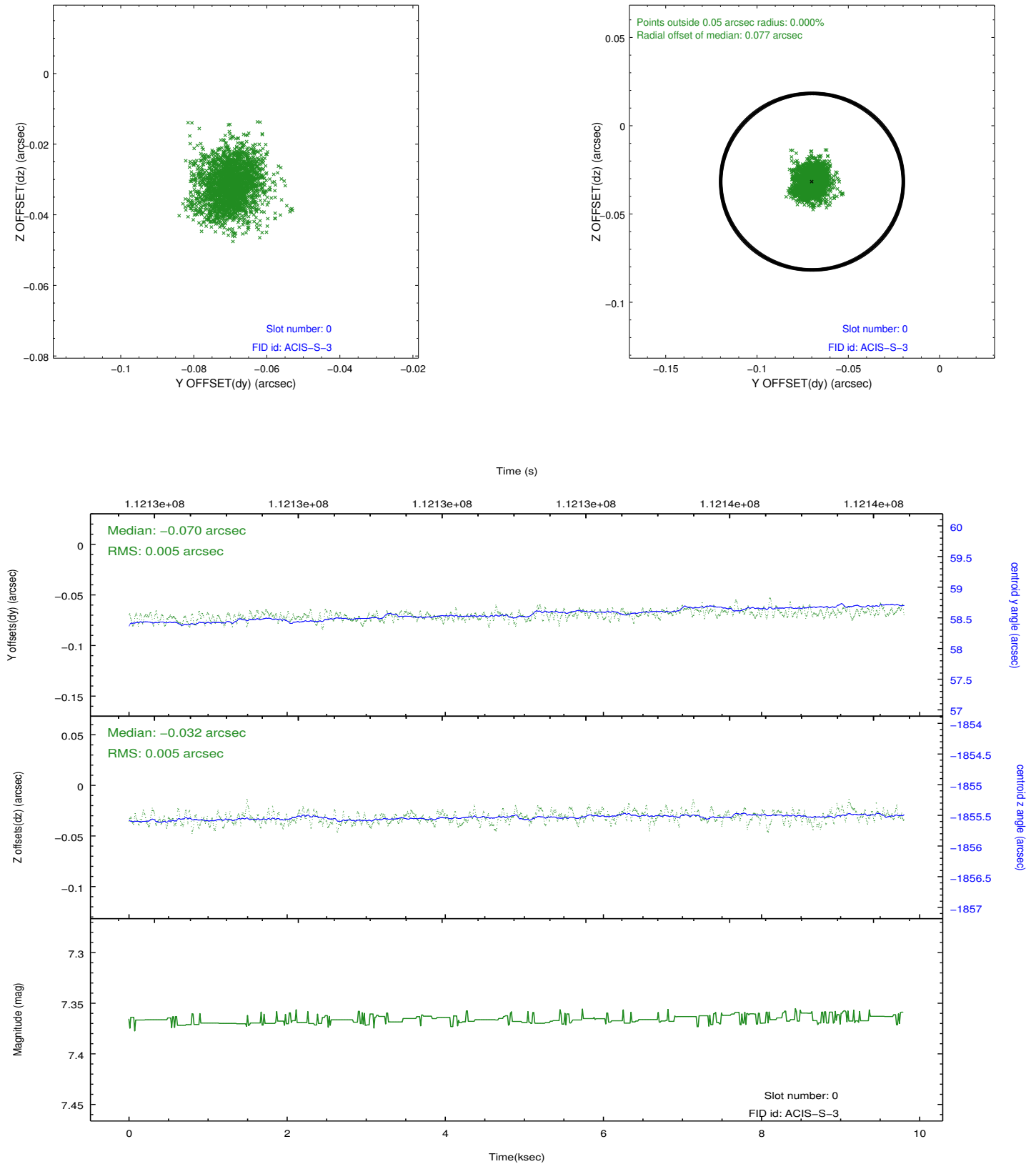


2.4.5 Slot 7

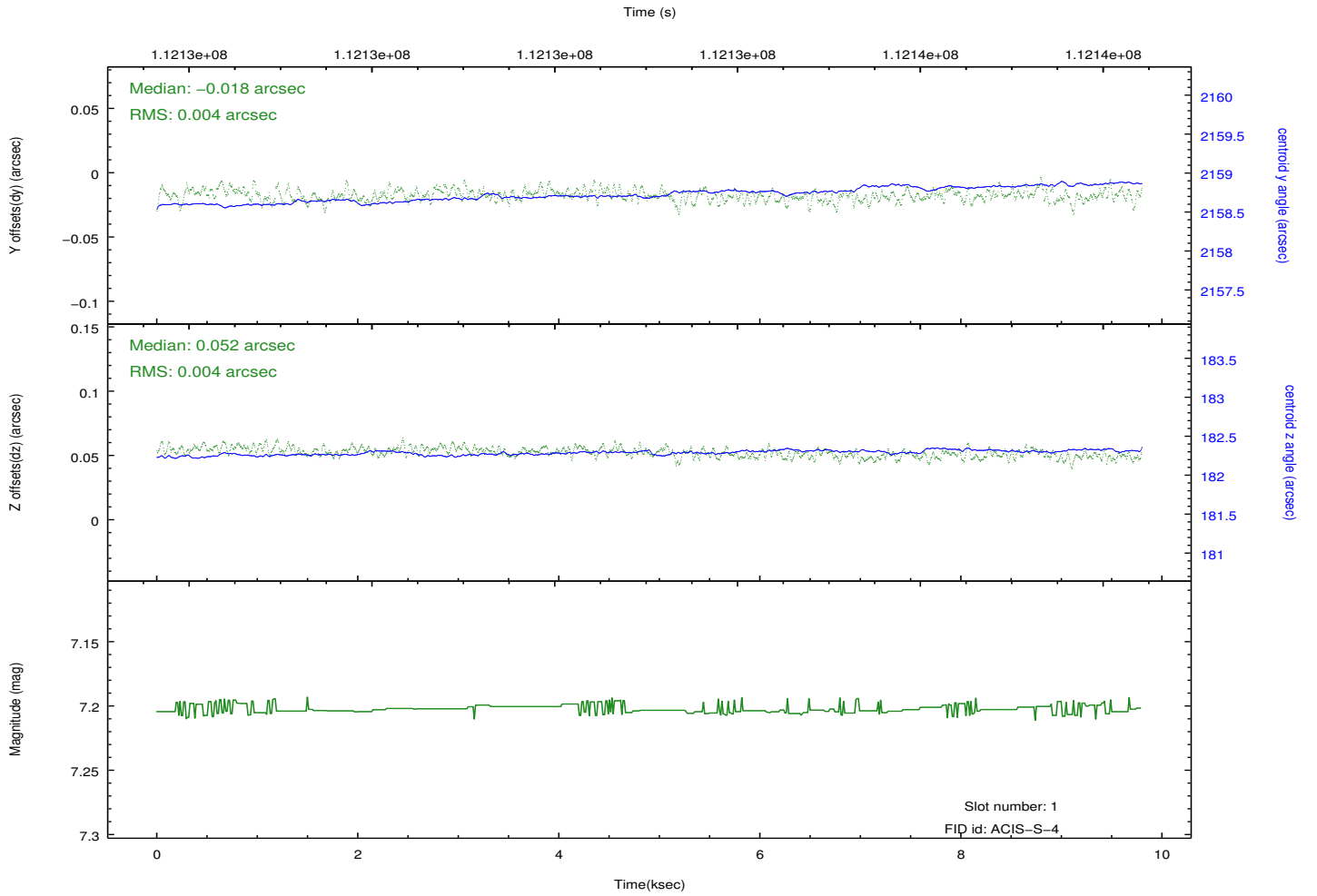
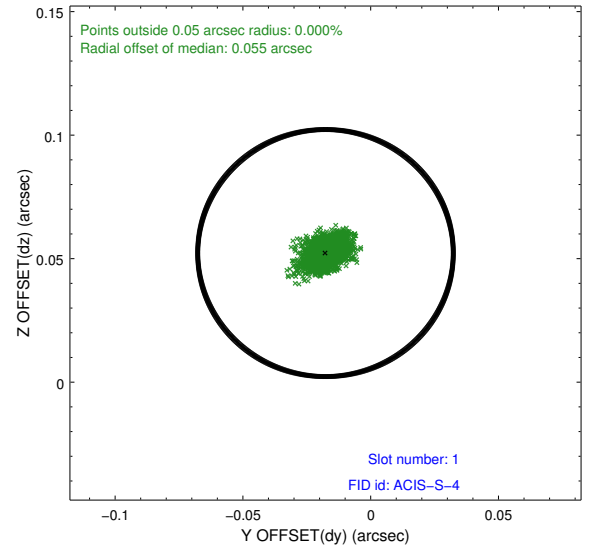
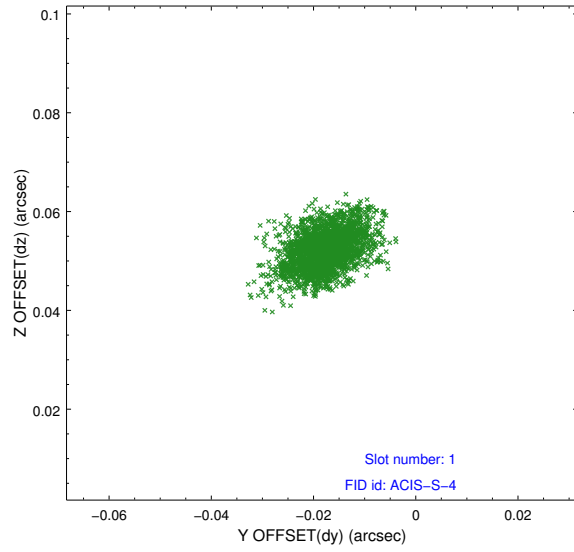


2.5 FID Slots

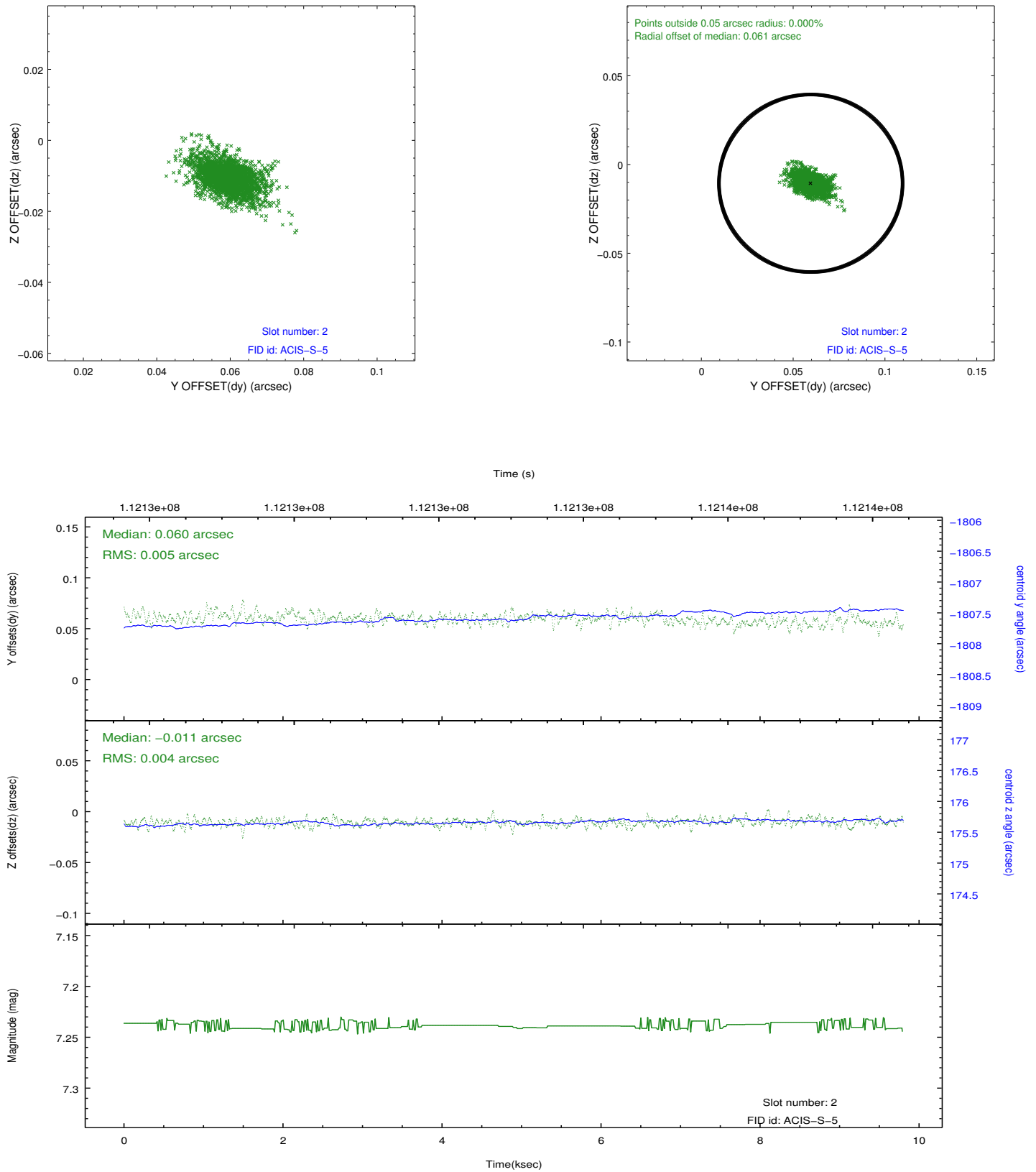
2.5.1 Slot 0



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)	2012.10.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.5

A.2 Comments

Charge time for this observation remains at previous value of 9.5 ksec.
Window preference met.