

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1620 - L2 Version 3
Chandra X-Ray Center

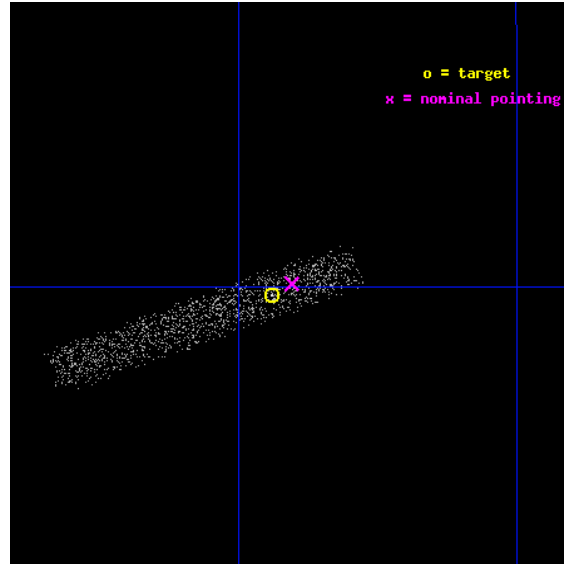
L2 Processing Date : Sep 14 2012

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

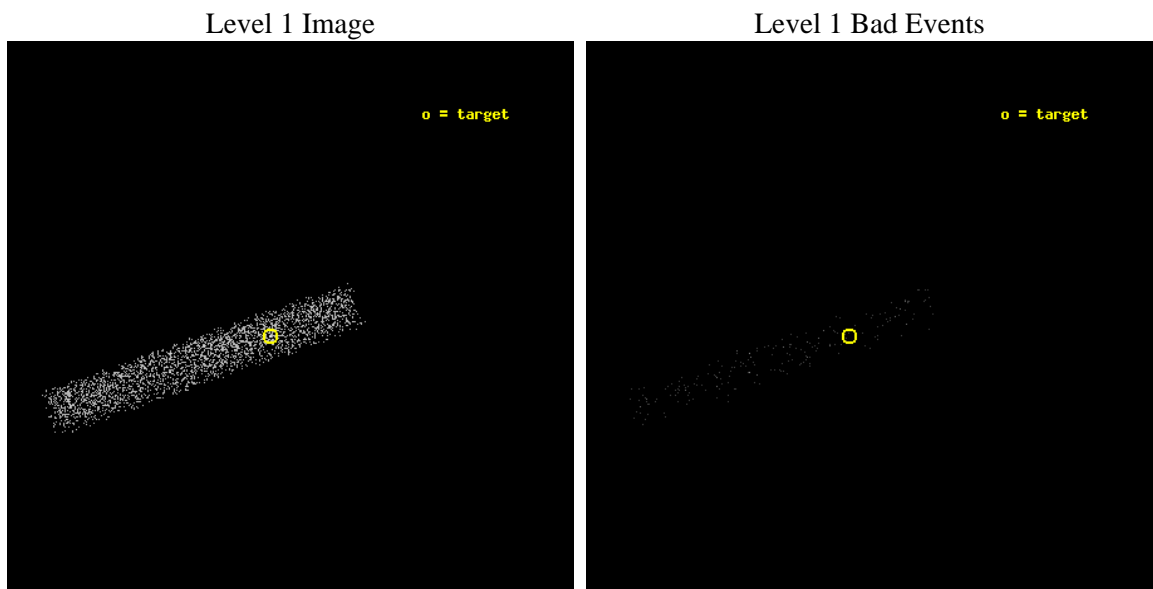
seq_num	700236	Sequence number
obs_id	1620	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS OF ACTIVE GALAXIES	
observer	Professor Andrew Wilson	Principal investigator
object	NGC4548	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.86	Observer's specified target RA [deg]
dec_targ	14.496417	Observer's specified target Dec [deg]
ra_nom	188.85122022463	Nominal RA [deg]
dec_nom	14.501260639129	Nominal Dec [deg]
roll_nom	160.44454706711	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3027.2000451088	Sum of GTIs [s]
livetime	2745.5106521937	Livetime [s]
ontime7	3027.2000451088	Sum of GTIs [s]
l2events	1596	Number of level 2 events



2 OBI

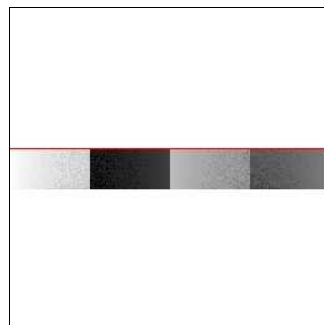
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3027.2000451088	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	3027.2000451088	Sum of GTIs [s]
date	2012-09-14T05:32:56	Date and time of file creation	l1events	3477	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

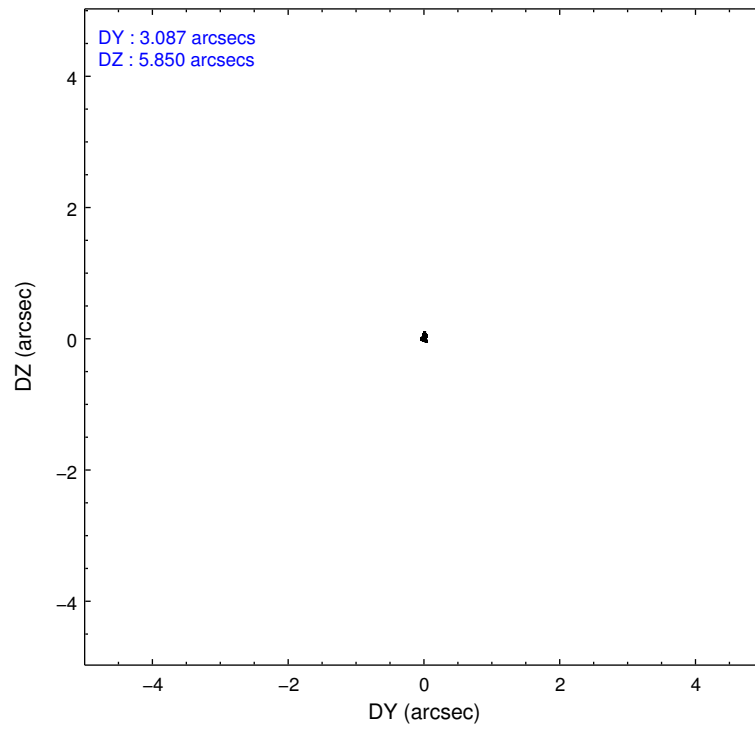
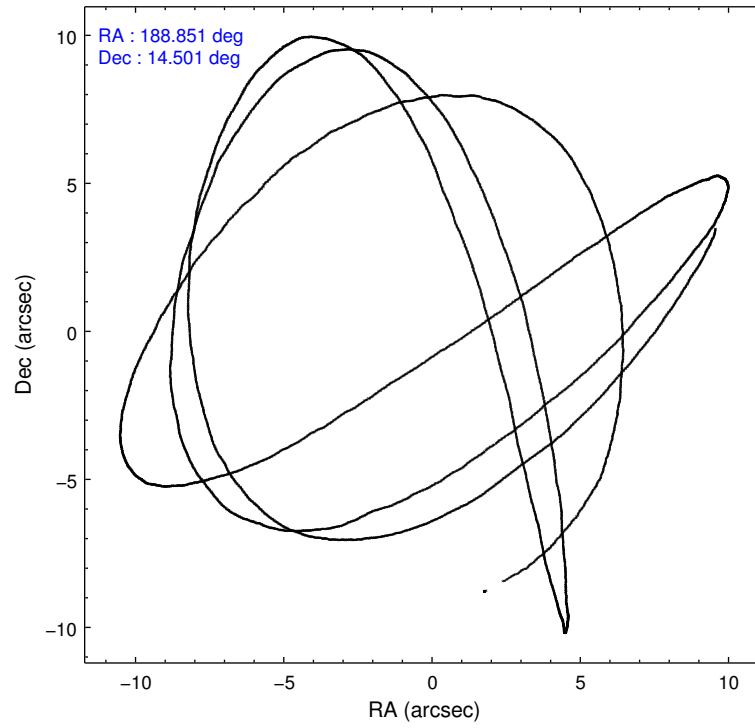
	ccd 7
level 1 events	3477
rejected events	1816
rejected %	52%

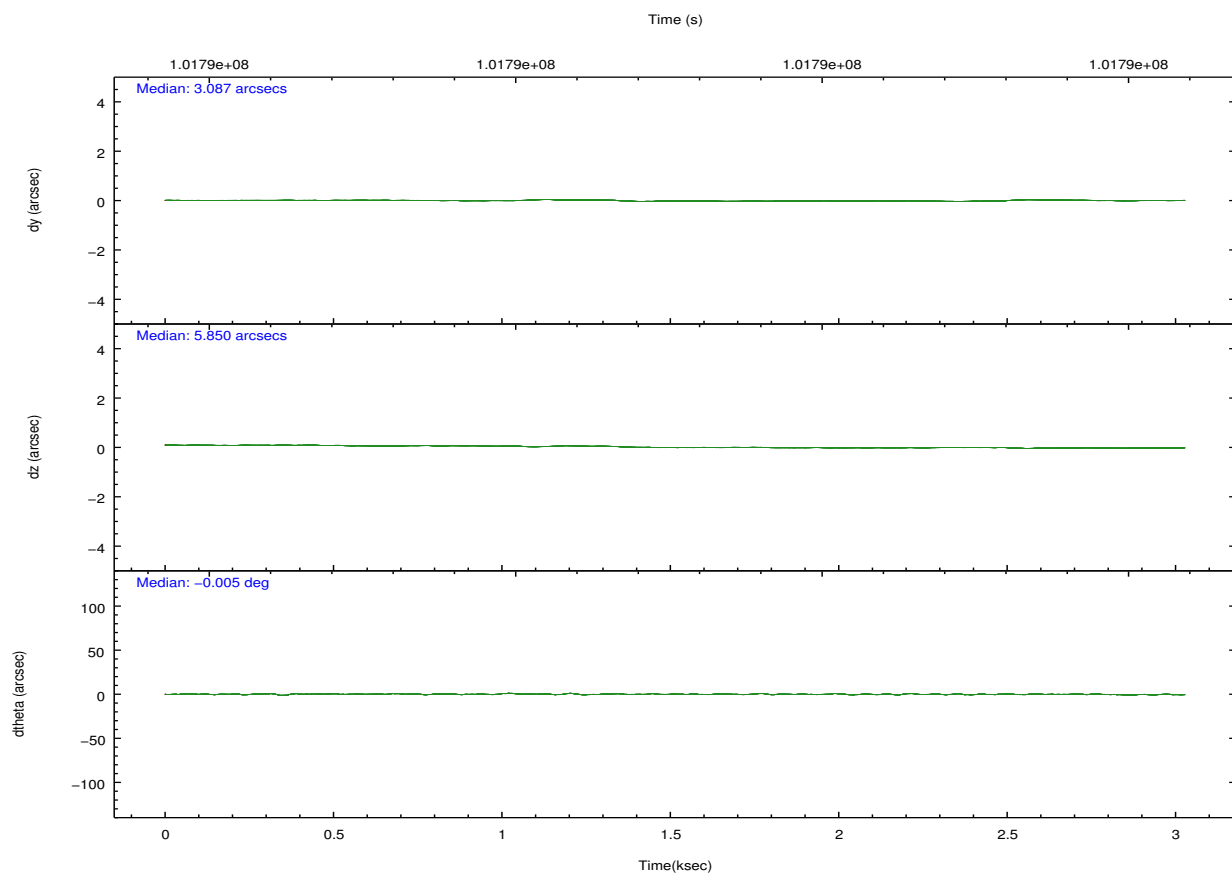
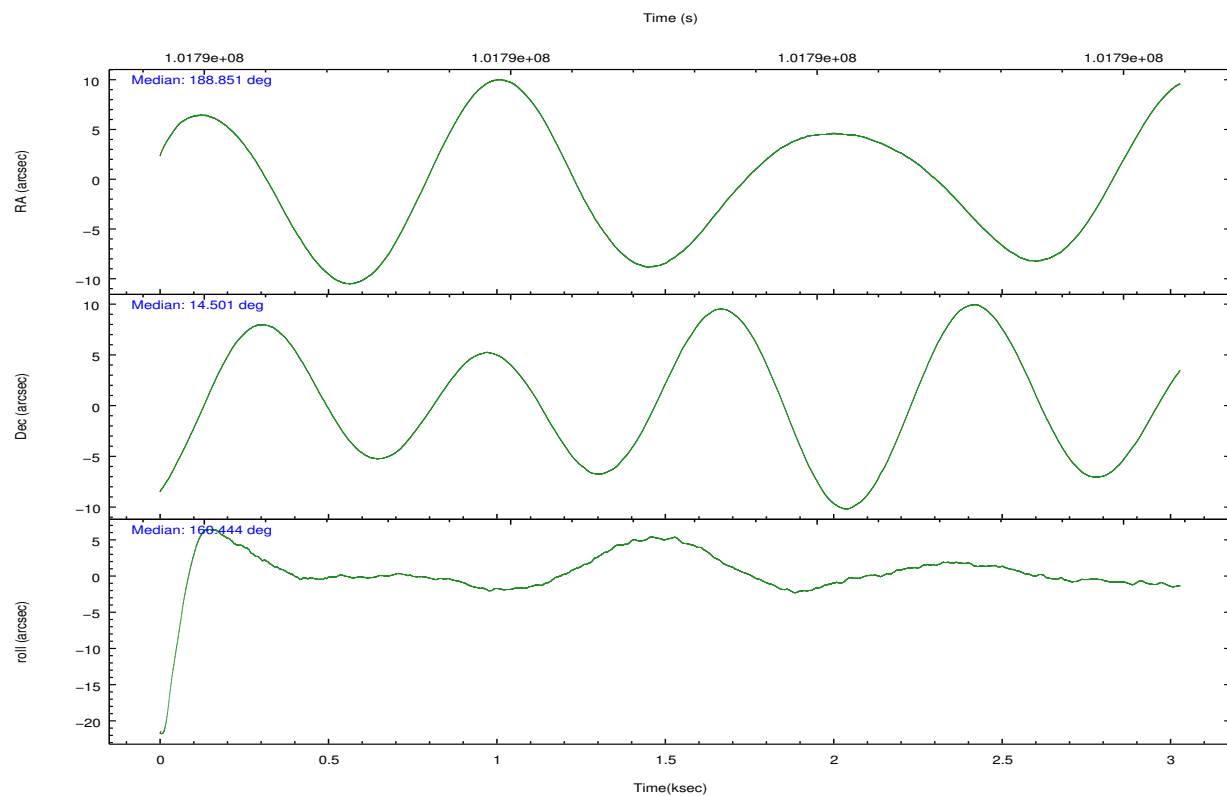
	ccd 7
grade 0 events	181
	5%
grade 1 events	4
	0%
grade 2 events	295
	8%
grade 3 events	224
	6%
grade 4 events	210
	6%
grade 5 events	315
	9%
grade 6 events	766
	22%
grade 7 events	1482
	42%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	188.878906	188.8512202246331	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	14.506503	14.50126063912885	Subarray start row	447	447
[deg] Pointing Roll	160.281085	160.4445470671123	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	101790736.184000	101789505.32463			
Observation start date	2001-03-24T03:11:12	2001-03-24T02:51:45			
[s] Observation end time (MET)	101793036.184000	101793252.72478			
Observation end date	2001-03-24T03:49:32	2001-03-24T03:54:12			
Read mode	TIMED	TIMED			

2.3 Aspect



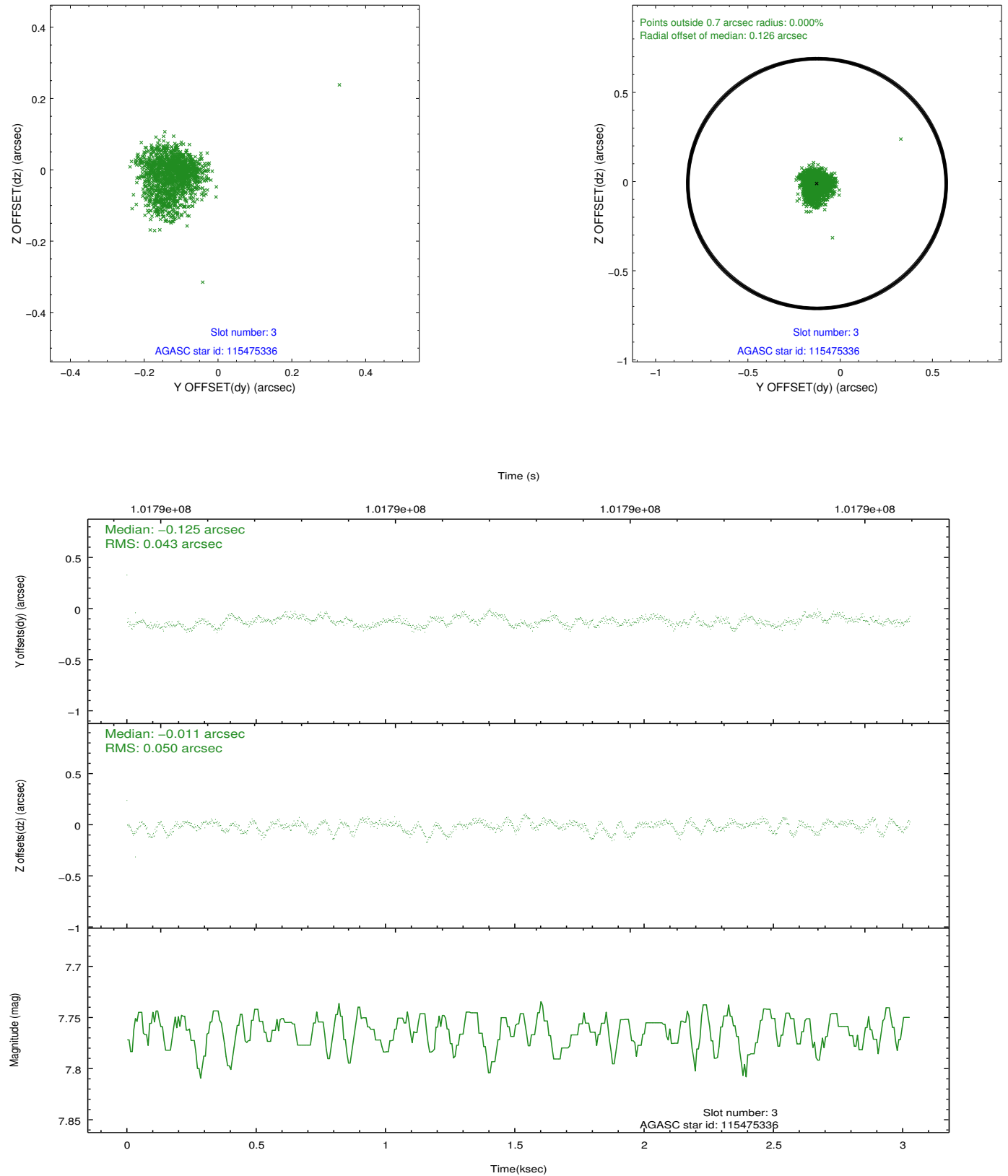


Slot Statistics

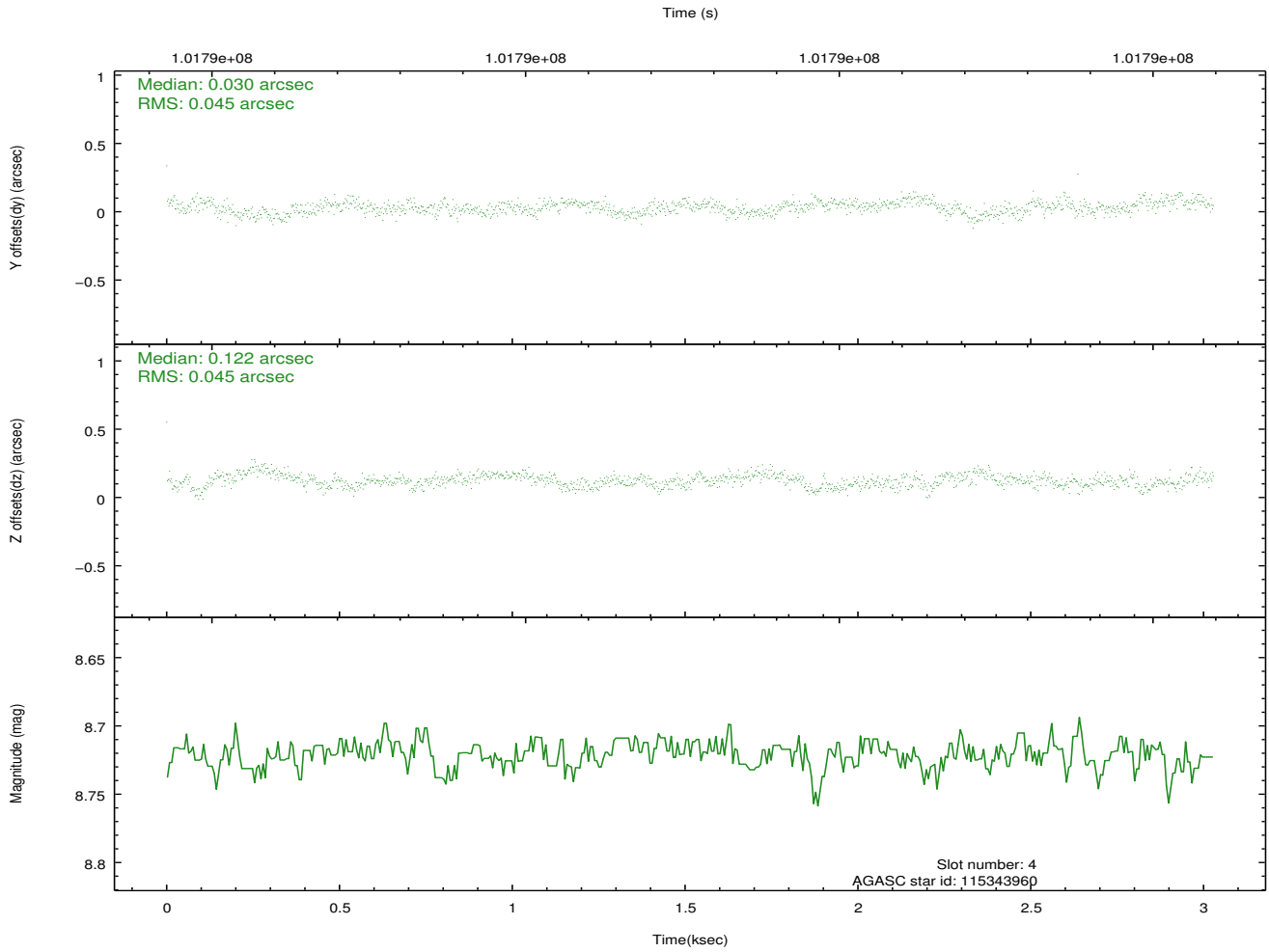
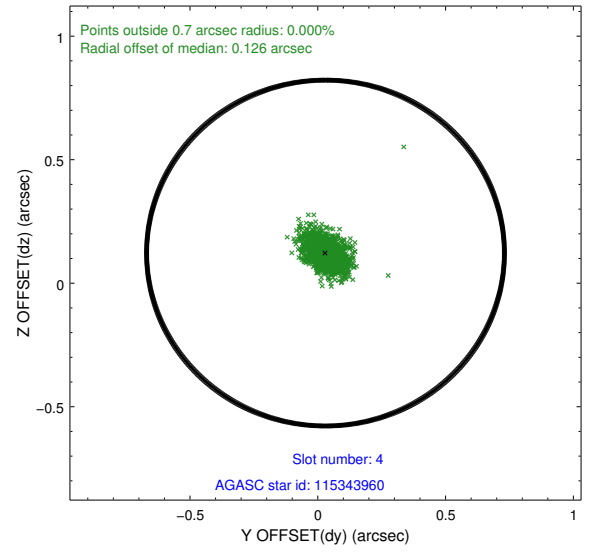
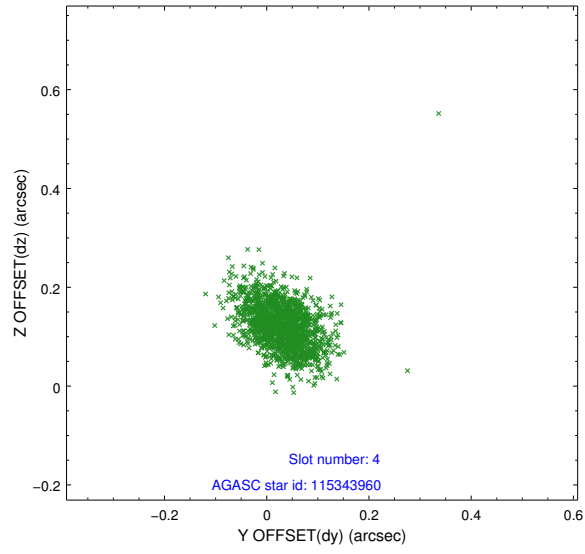
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	739	-0.026	0.010	0.006	0.011	0.000000	0.000000	-755.71	-1727.01
1	FID	ACIS-S-4	7.20	739	-0.036	0.010	0.005	0.009	0.000000	0.000000	2156.56	179.36
2	FID	ACIS-S-5	7.24	739	0.031	-0.011	0.006	0.010	0.000000	0.000000	-1805.83	175.32
3	GUIDE	115475336	7.76	1478	-0.125	-0.011	0.069	0.109	189.606179	14.872414	-1936.42	-2097.78
4	GUIDE	115343960	8.72	1478	0.030	0.122	0.065	0.111	188.590007	14.643744	1112.91	-127.54
5	GUIDE	115345936	10.26	1473	0.026	0.033	0.112	0.188	188.840486	14.249324	-185.47	916.64
6	GUIDE	115344696	10.03	1473	0.070	-0.041	0.119	0.196	188.739926	14.495064	442.10	202.61
7	GUIDE	115476384	9.04	1477	-0.005	-0.095	0.075	0.120	189.259543	14.251859	-1558.89	413.80

2.4 Star Slots

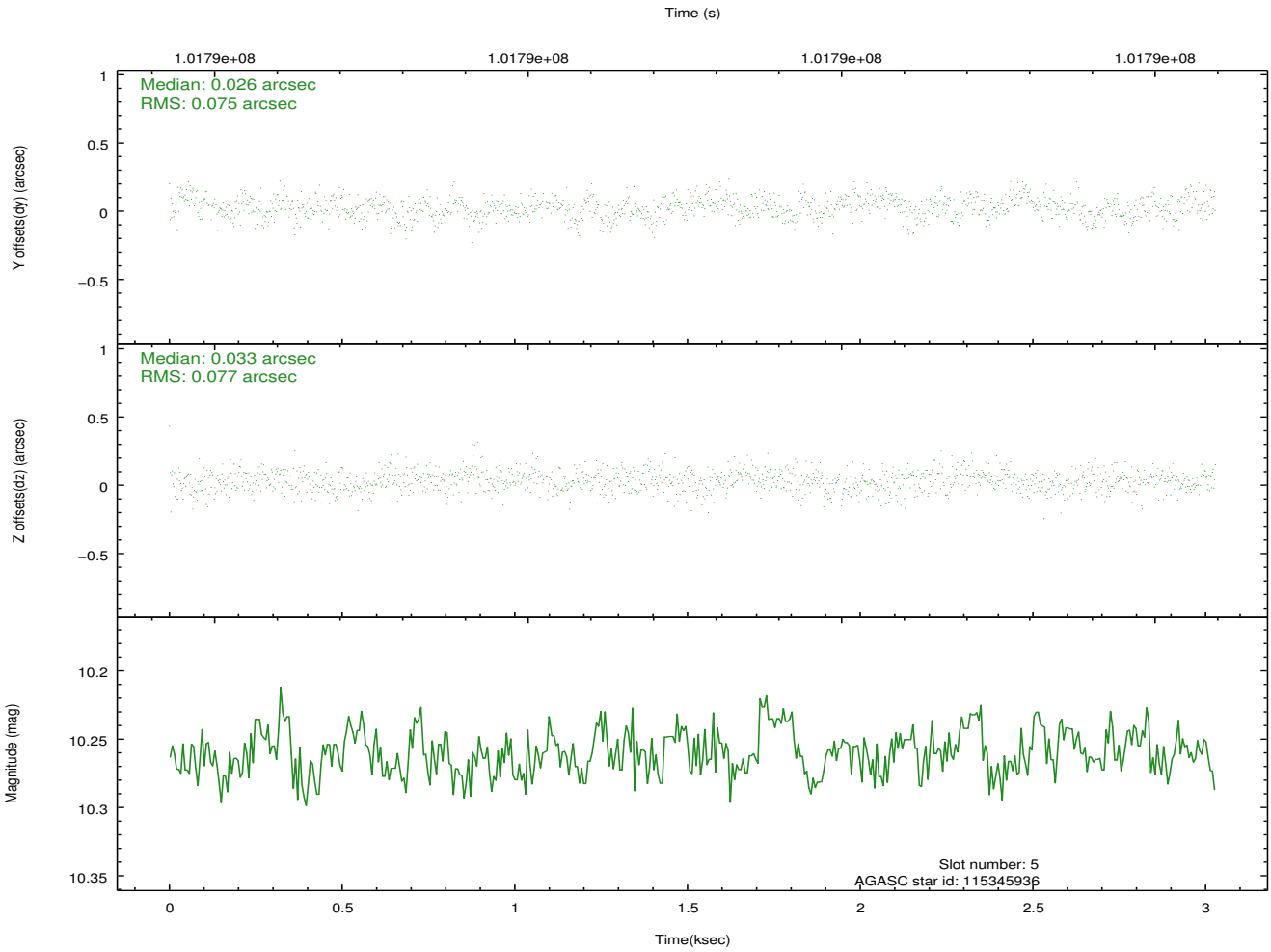
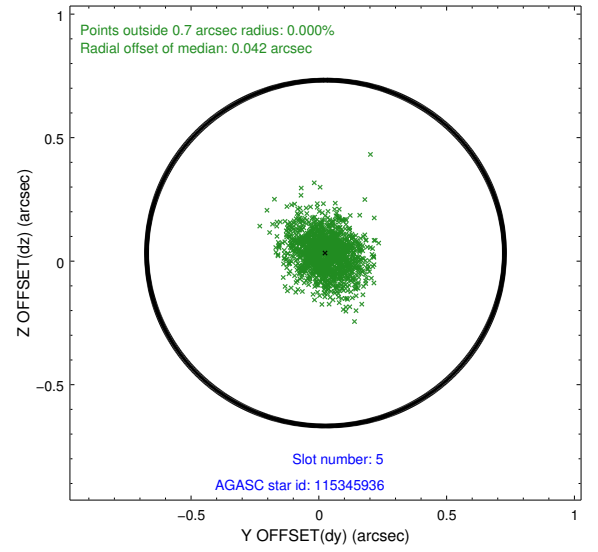
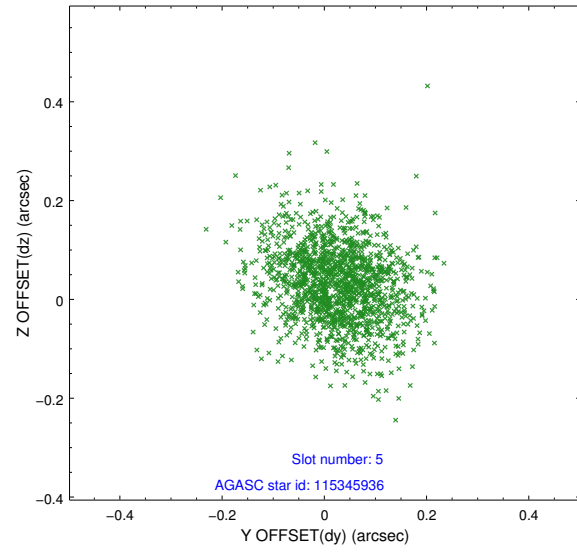
2.4.1 Slot 3



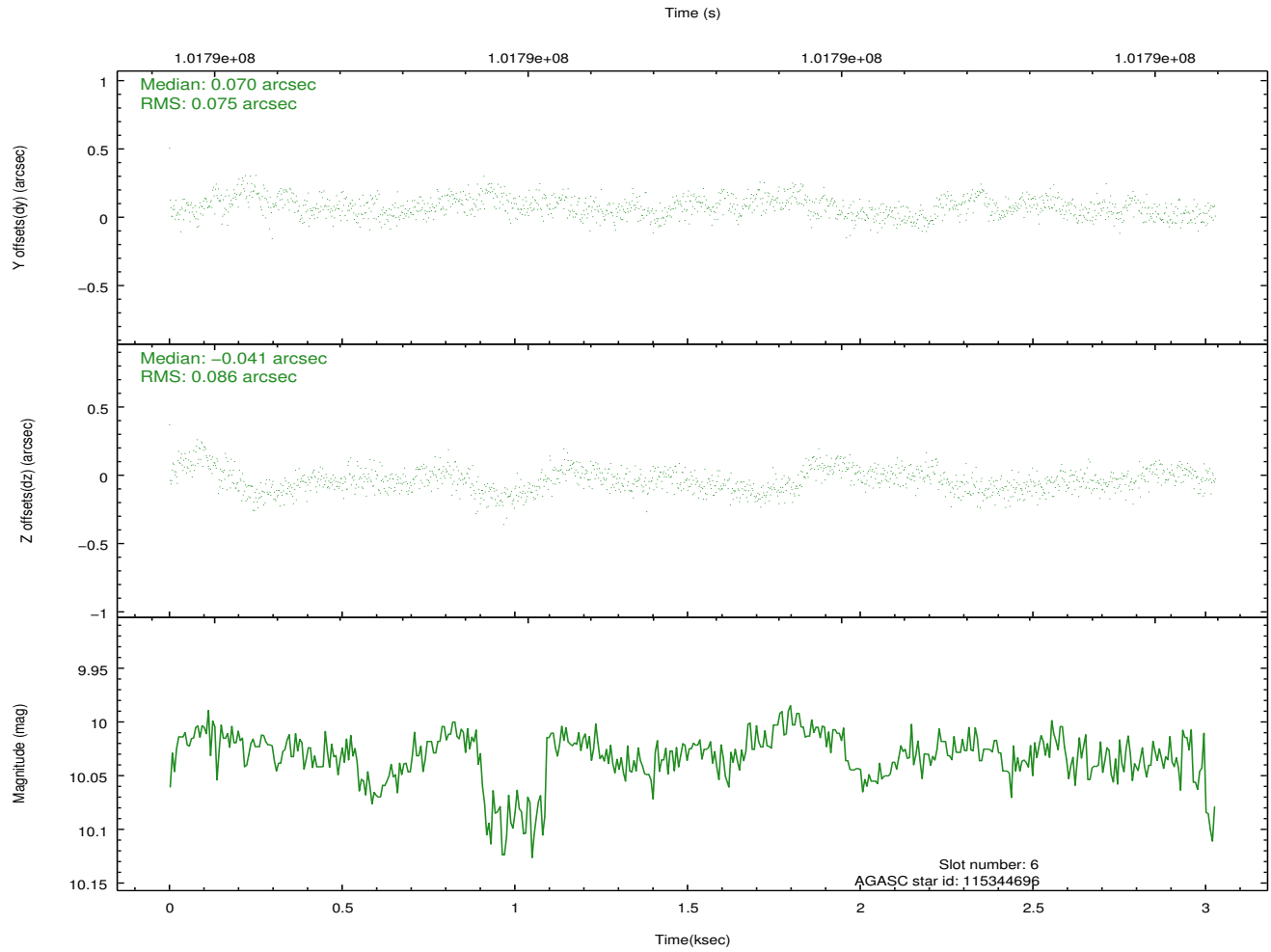
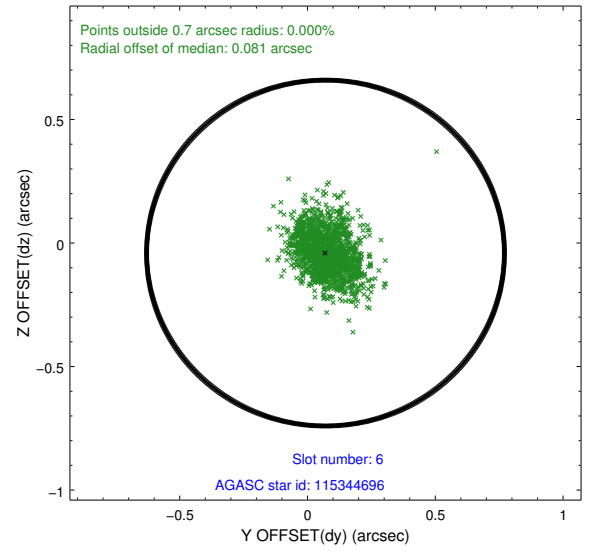
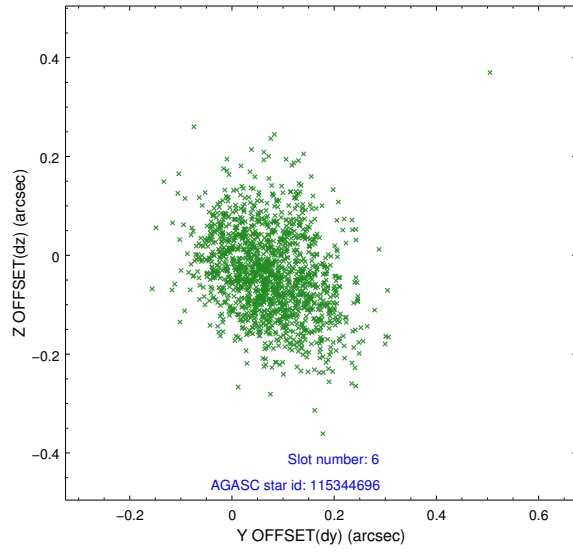
2.4.2 Slot 4



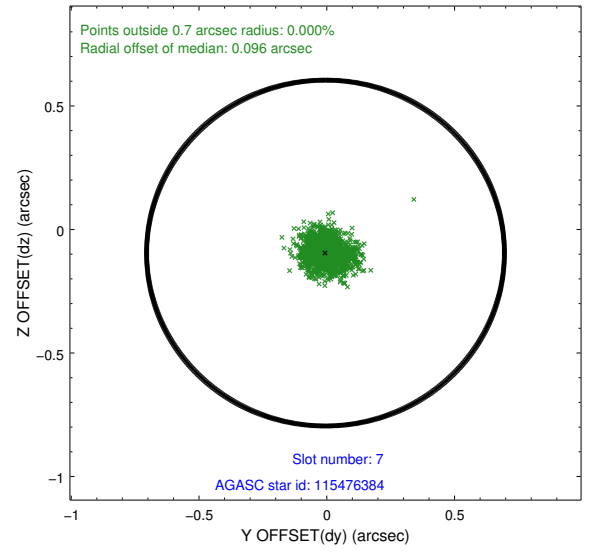
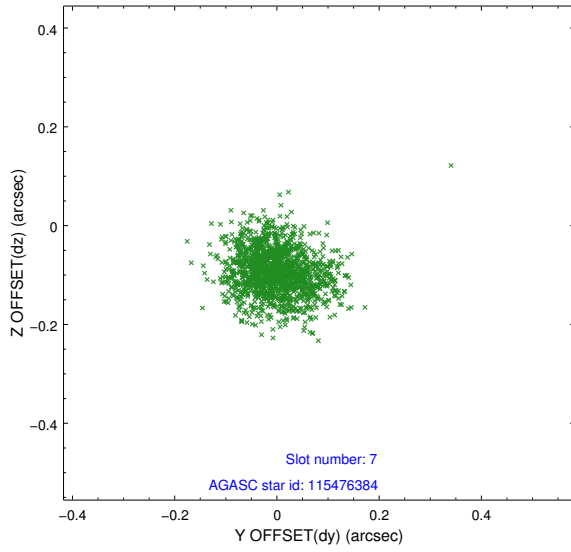
2.4.3 Slot 5



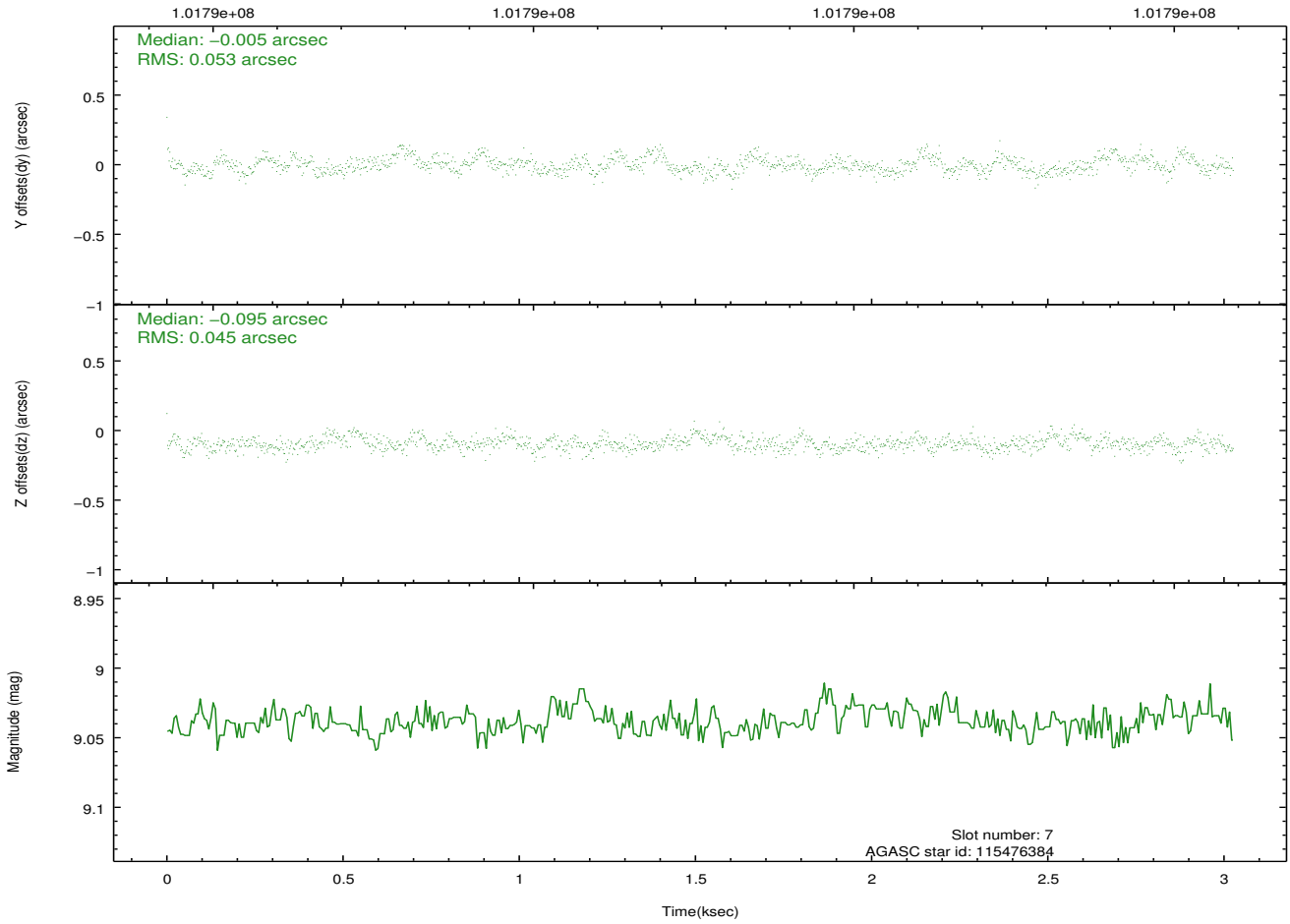
2.4.4 Slot 6



2.4.5 Slot 7

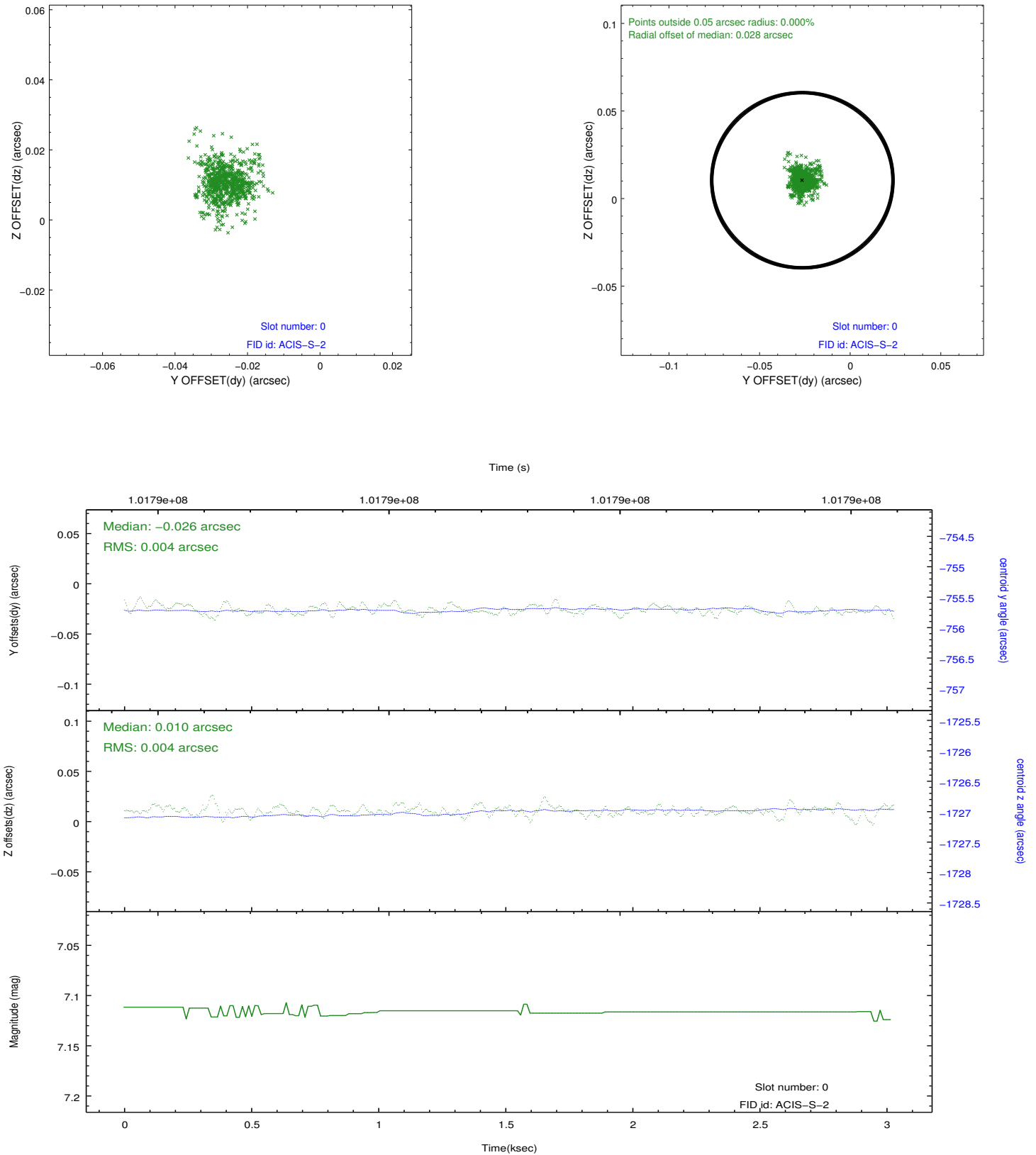


Time (s)

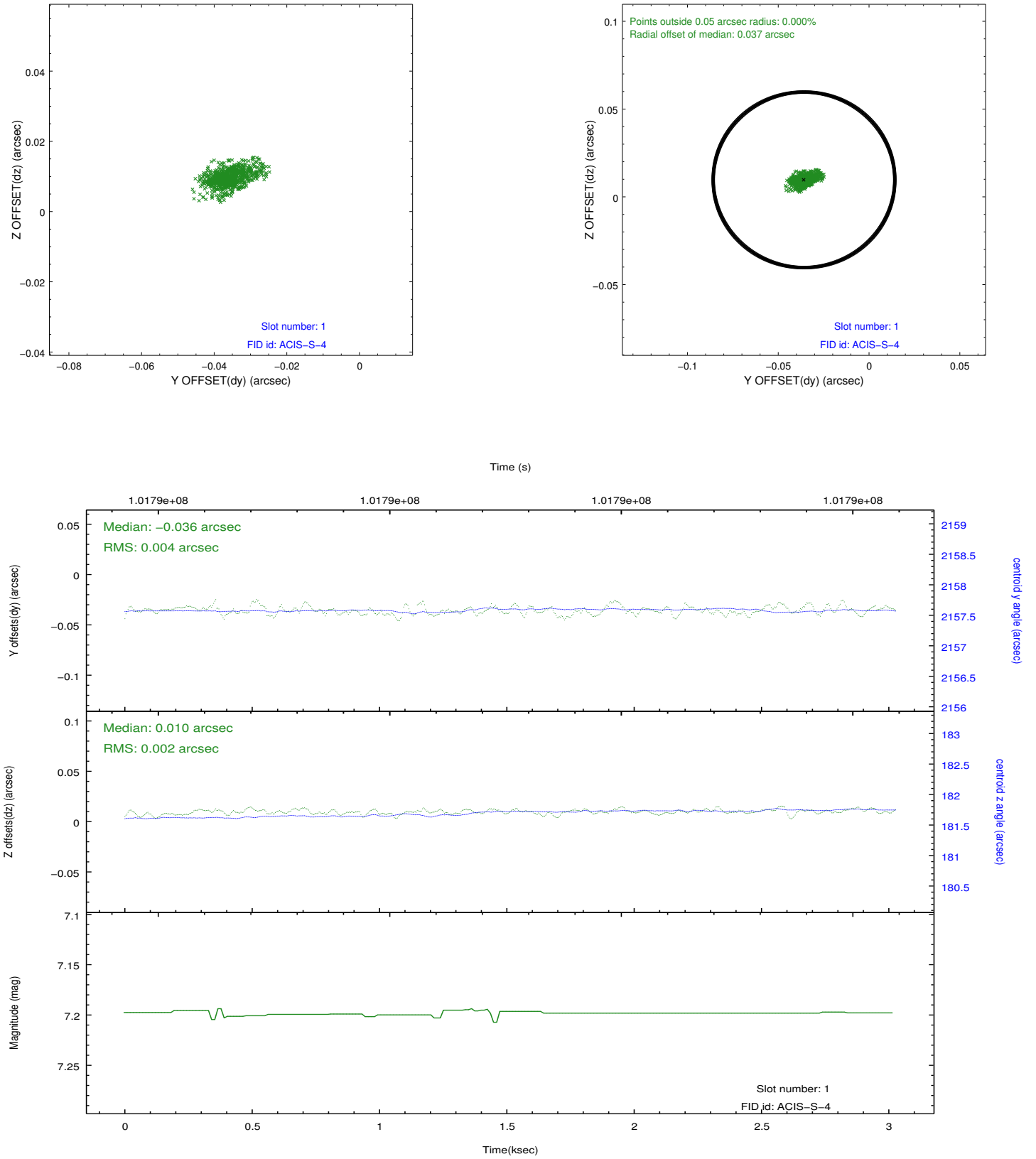


2.5 FID Slots

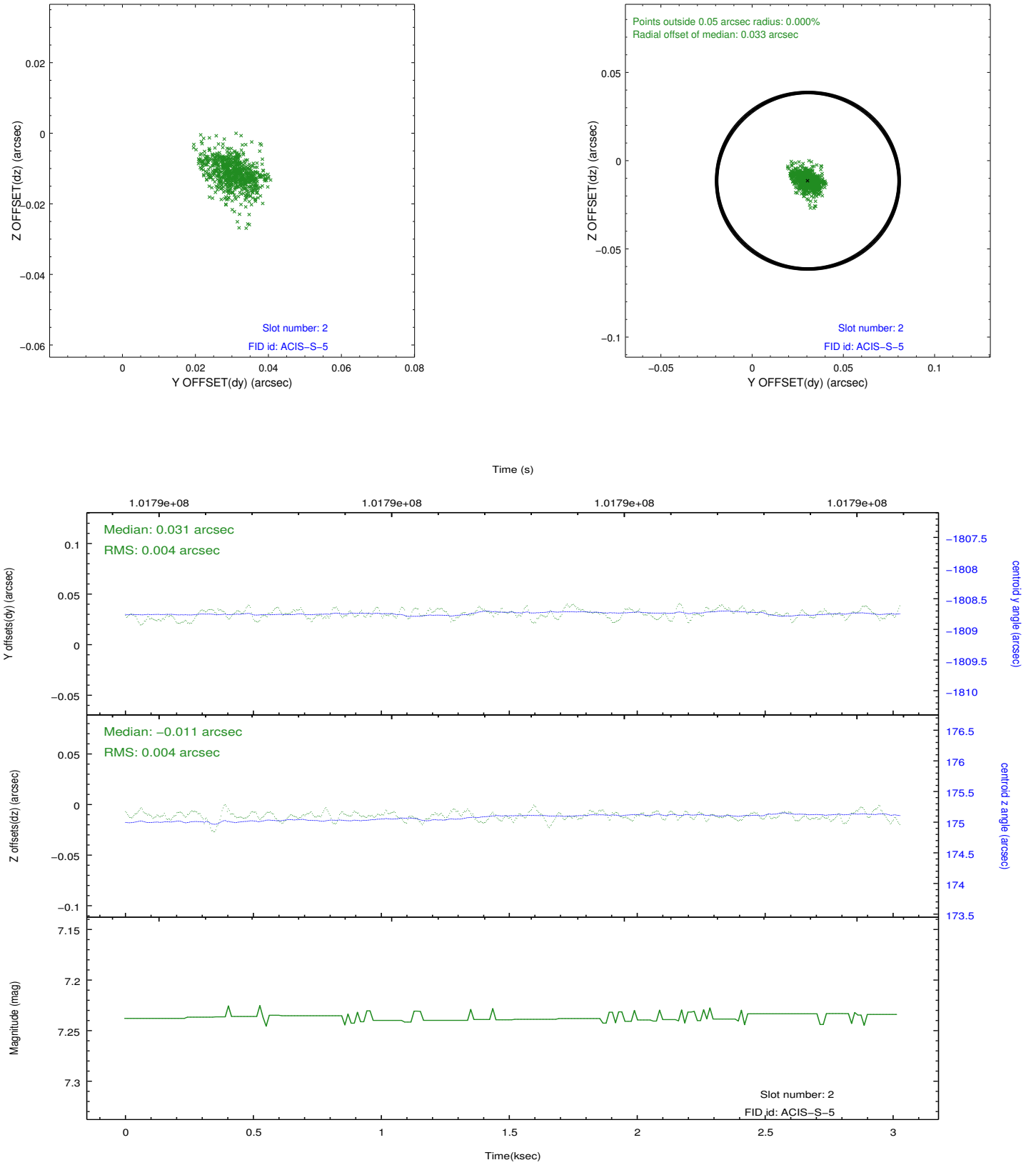
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.027

A.2 Comments