

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10286 - L2 Version 2
Chandra X-Ray Center

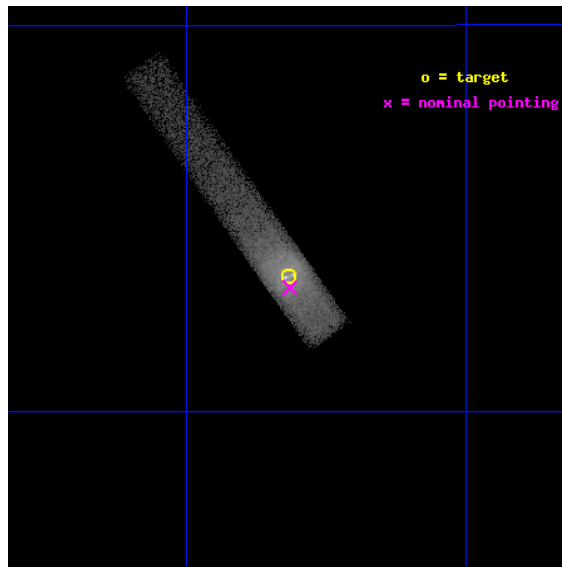
L2 Processing Date : Jun 6 2012

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

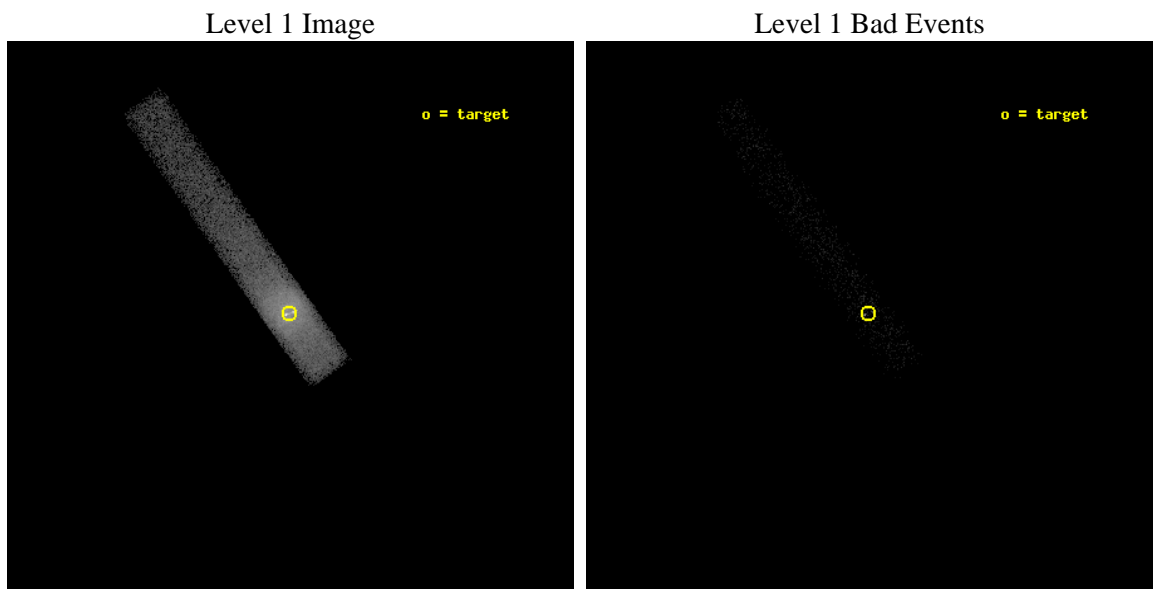
seq_num	701829	Sequence number
obs_id	10286	Observation id
title	Tracking the Aftermath of the Giant Flare in the M87 Jet	Proposal
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70392839669	Nominal RA [deg]
dec_nom	12.386792084908	Nominal Dec [deg]
roll_nom	234.80464390511	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5164.7996921539	Sum of GTIs [s]
livetime	4684.2007003029	Livetime [s]
ontime7	5164.7996921539	Sum of GTIs [s]
l2events	49744	Number of level 2 events



2 OBI

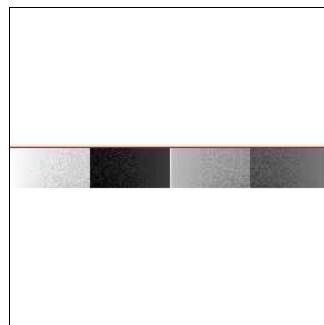
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5164.7996921539	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	5164.7996921539	Sum of GTIs [s]
date	2012-06-07T00:42:09	Date and time of file creation	l1events	59886	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

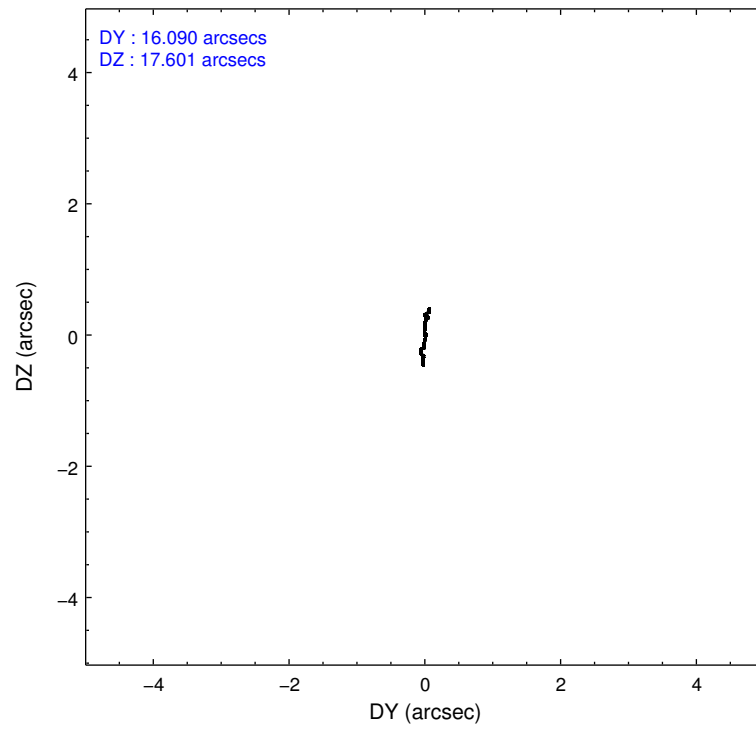
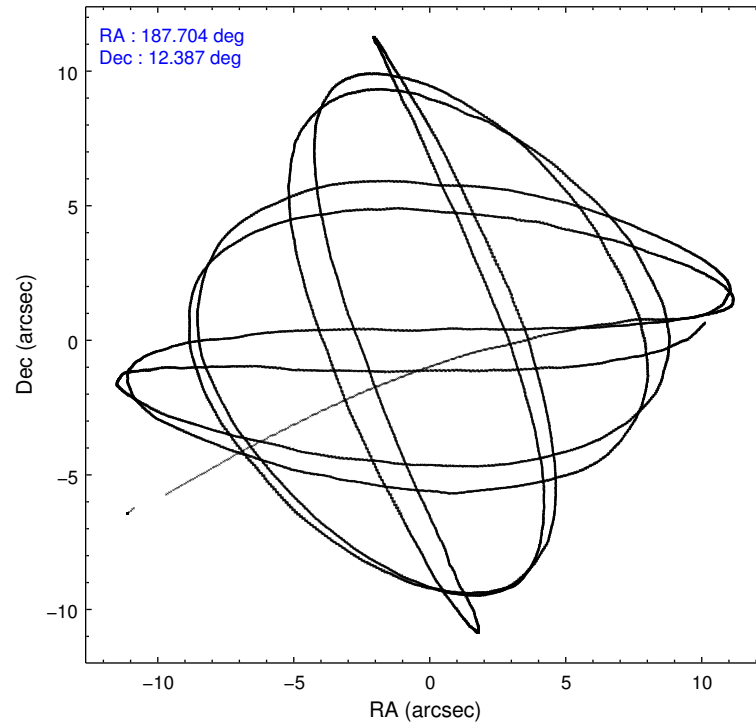
	ccd 7
level 1 events	59886
rejected events	9520
rejected %	15%

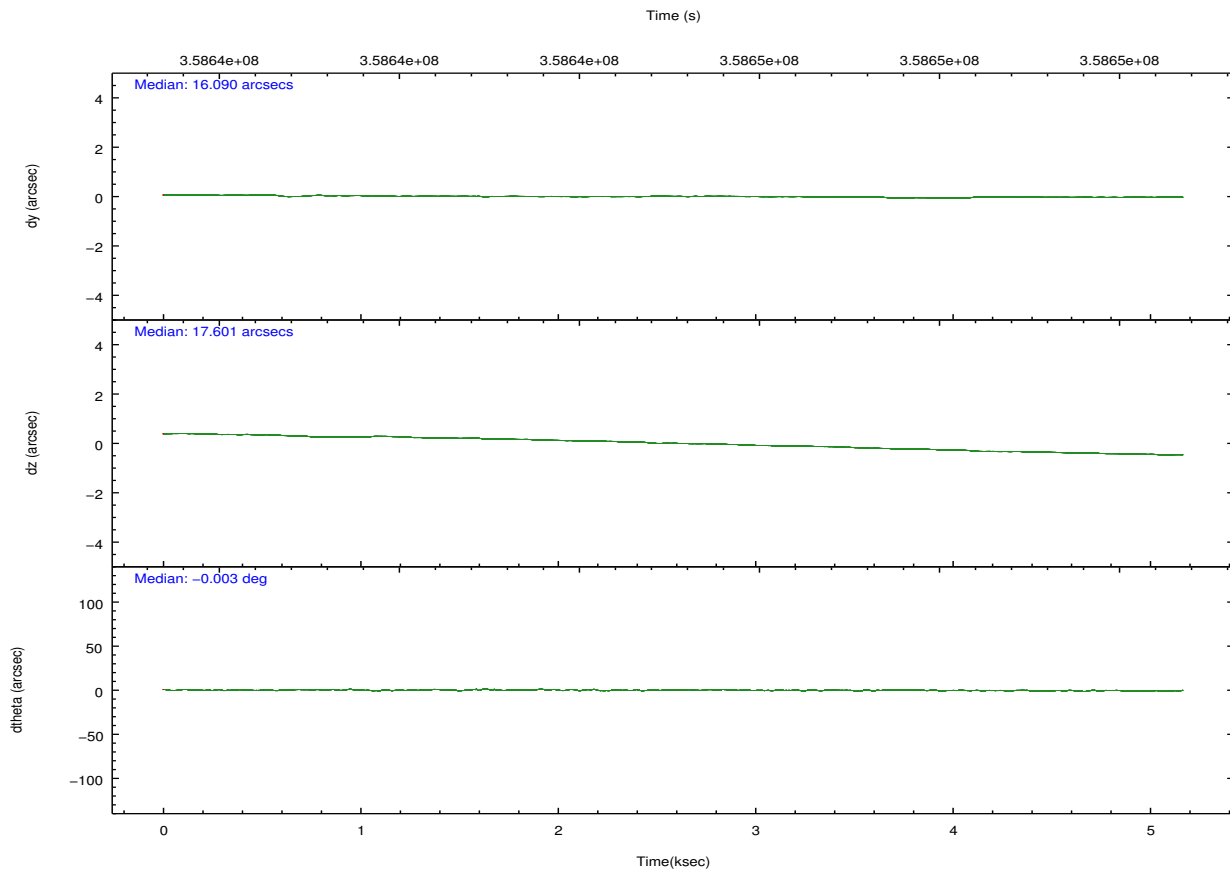
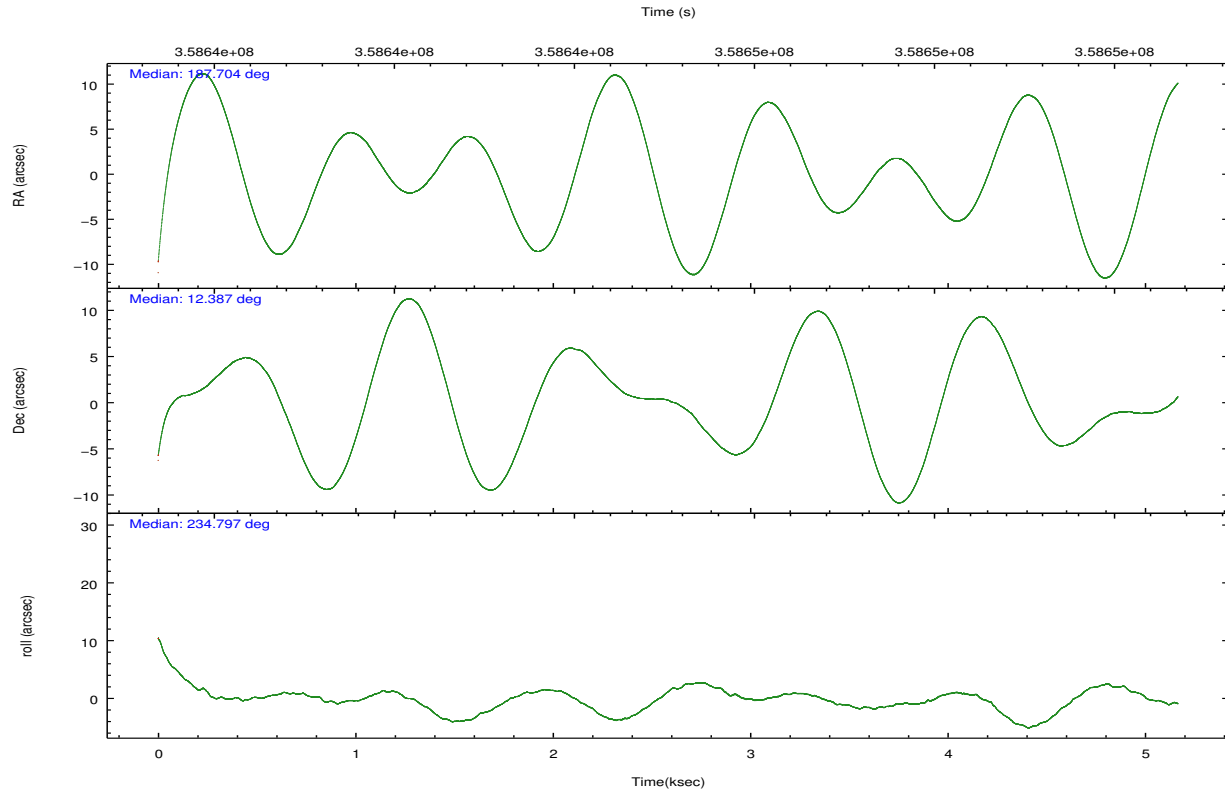
	ccd 7
grade 0 events	15433
	25%
grade 1 events	56
	0%
grade 2 events	13738
	22%
grade 3 events	6097
	10%
grade 4 events	6091
	10%
grade 5 events	1568
	2%
grade 6 events	11240
	18%
grade 7 events	5663
	9%

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	187.706019	187.7039283966894	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.414096	12.38679208490804	Subarray start row	449	449
[deg] Pointing Roll	234.647557	234.8046439051078	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)	358643108.184000	358641791.26809			
Observation start date	2009-05-13T23:04:02	2009-05-13T22:43:11			
[s] Observation end time (MET)	358648108.184000	358649144.10596			
Observation end date	2009-05-14T00:27:22	2009-05-14T00:45:44			
Read mode	TIMED	TIMED			

2.3 Aspect



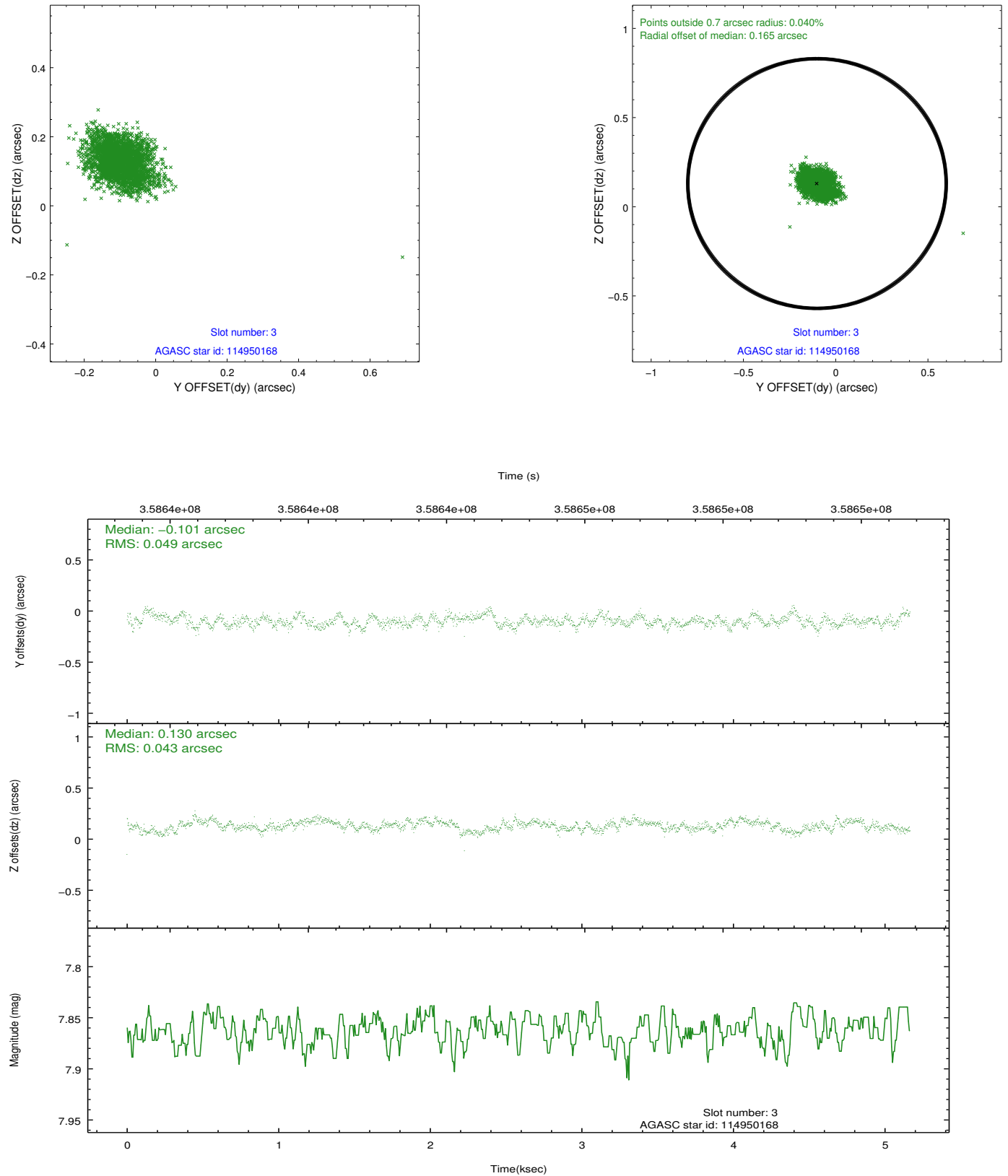


Slot Statistics

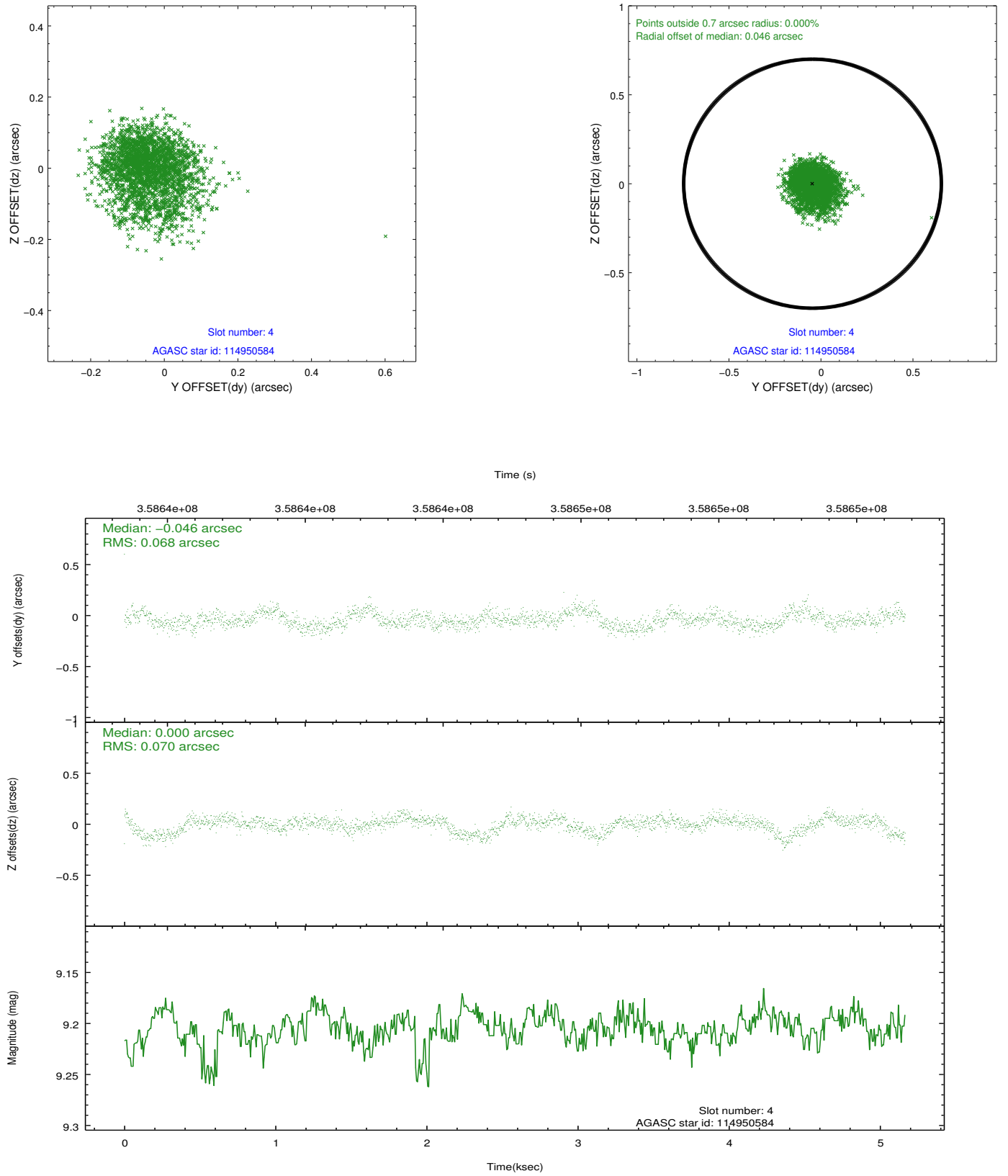
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1261	-0.067	-0.039	0.011	0.017	0.000000	0.000000	-769.20	-1739.01
1	FID	ACIS-S-4	6.97	1261	0.153	0.042	0.006	0.011	0.000000	0.000000	2143.81	168.26
2	FID	ACIS-S-5	7.00	1261	-0.119	0.005	0.010	0.015	0.000000	0.000000	-1820.55	163.33
3	GUIDE	114950168	7.86	2521	-0.101	0.130	0.067	0.109	187.143398	12.117441	2015.71	-998.14
4	GUIDE	114950584	9.20	2517	-0.046	0.000	0.104	0.170	187.487323	11.827248	2170.01	593.19
5	GUIDE	114952824	8.58	2520	-0.007	0.209	0.068	0.110	187.703904	12.486727	-207.46	-157.42
6	GUIDE	114954440	9.19	2517	0.090	-0.045	0.133	0.224	186.915066	12.219118	2179.71	-1865.26
7	GUIDE	114955056	8.31	2518	0.064	-0.295	0.061	0.100	187.914001	12.127854	417.87	1191.82

2.4 Star Slots

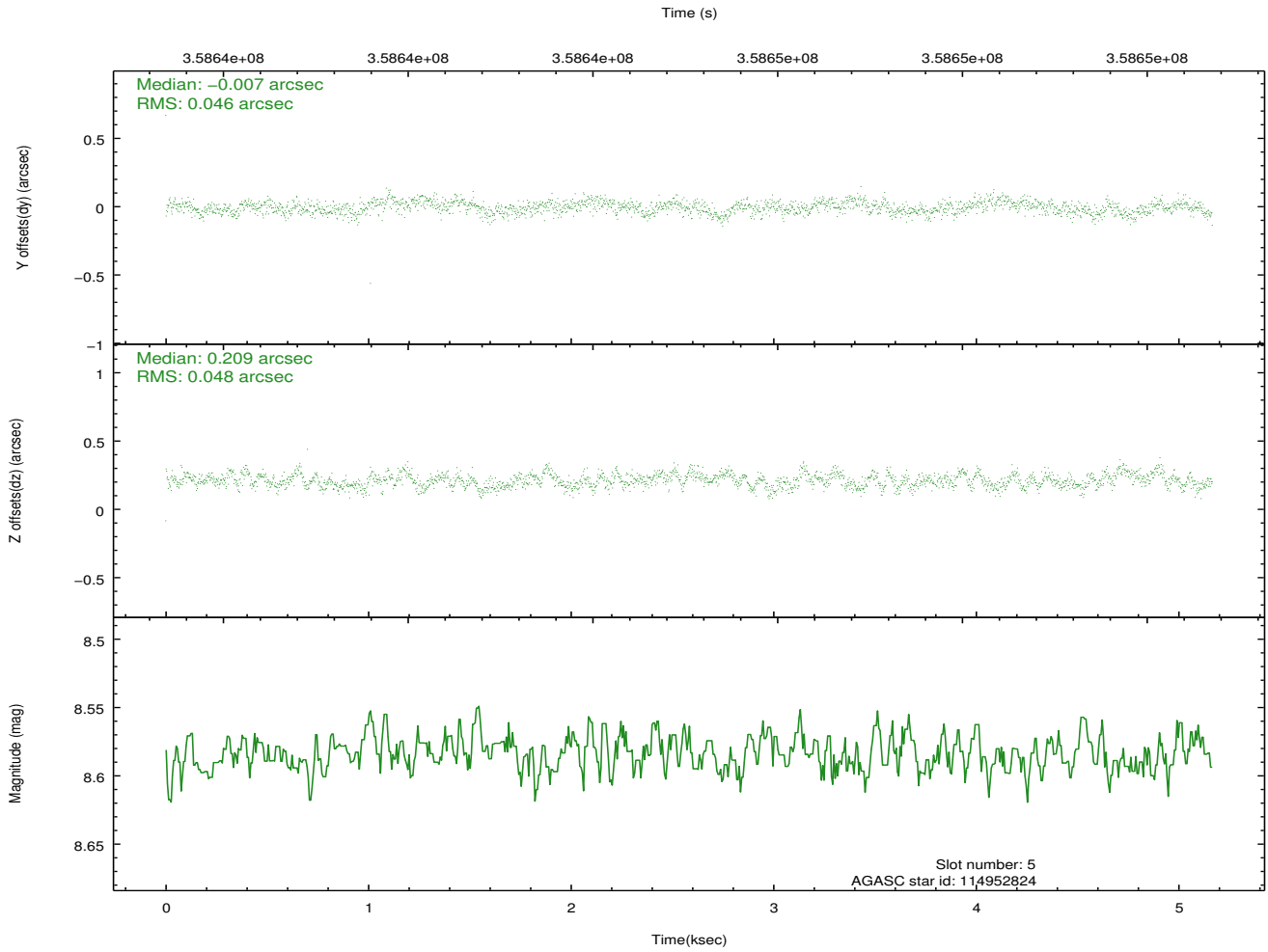
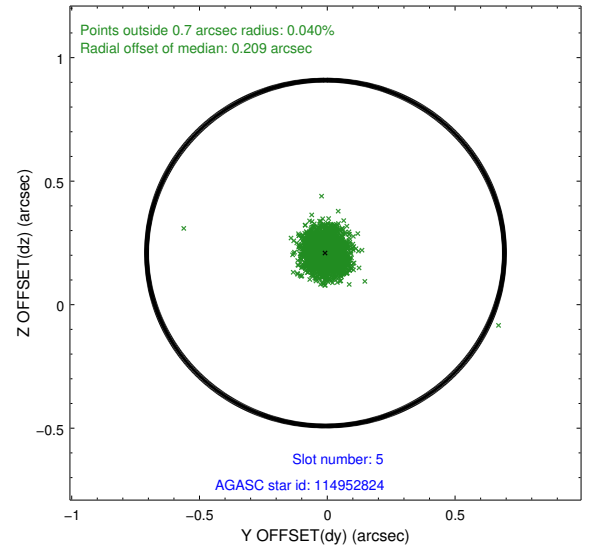
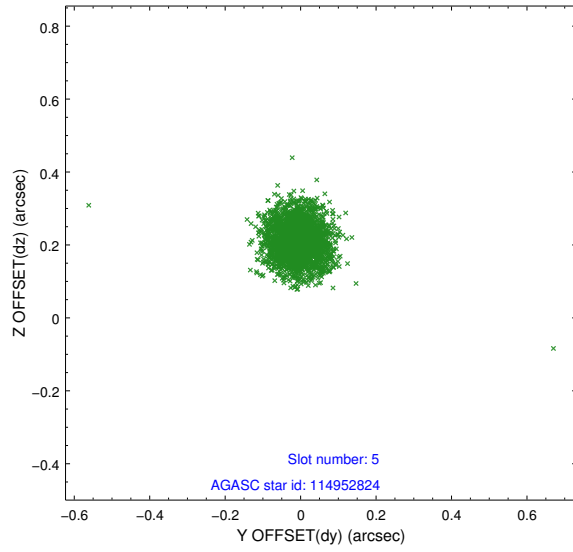
2.4.1 Slot 3



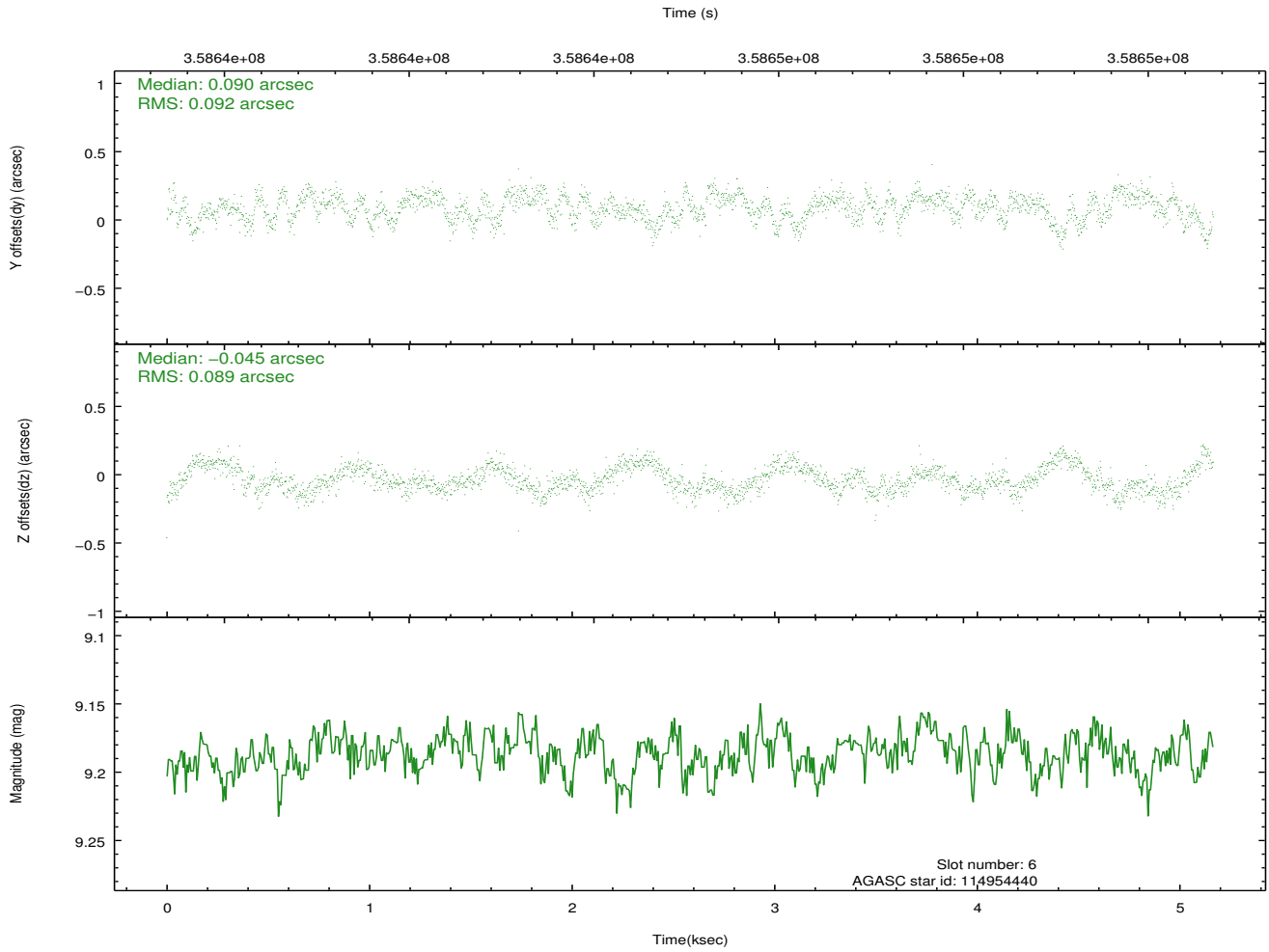
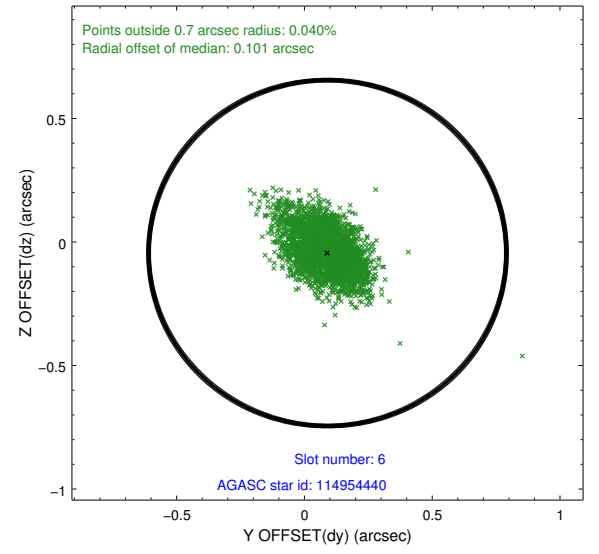
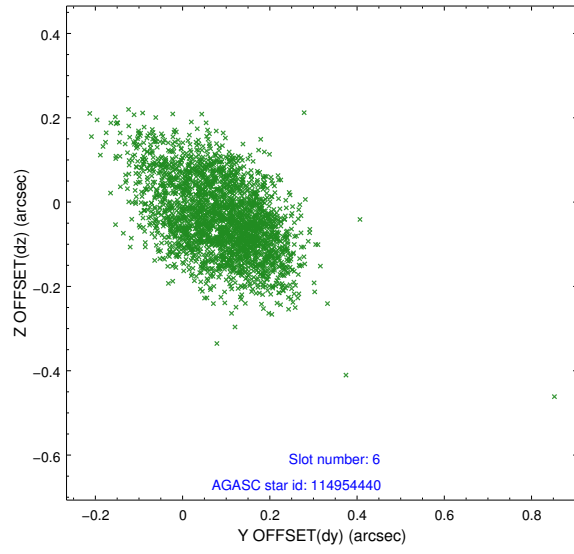
2.4.2 Slot 4



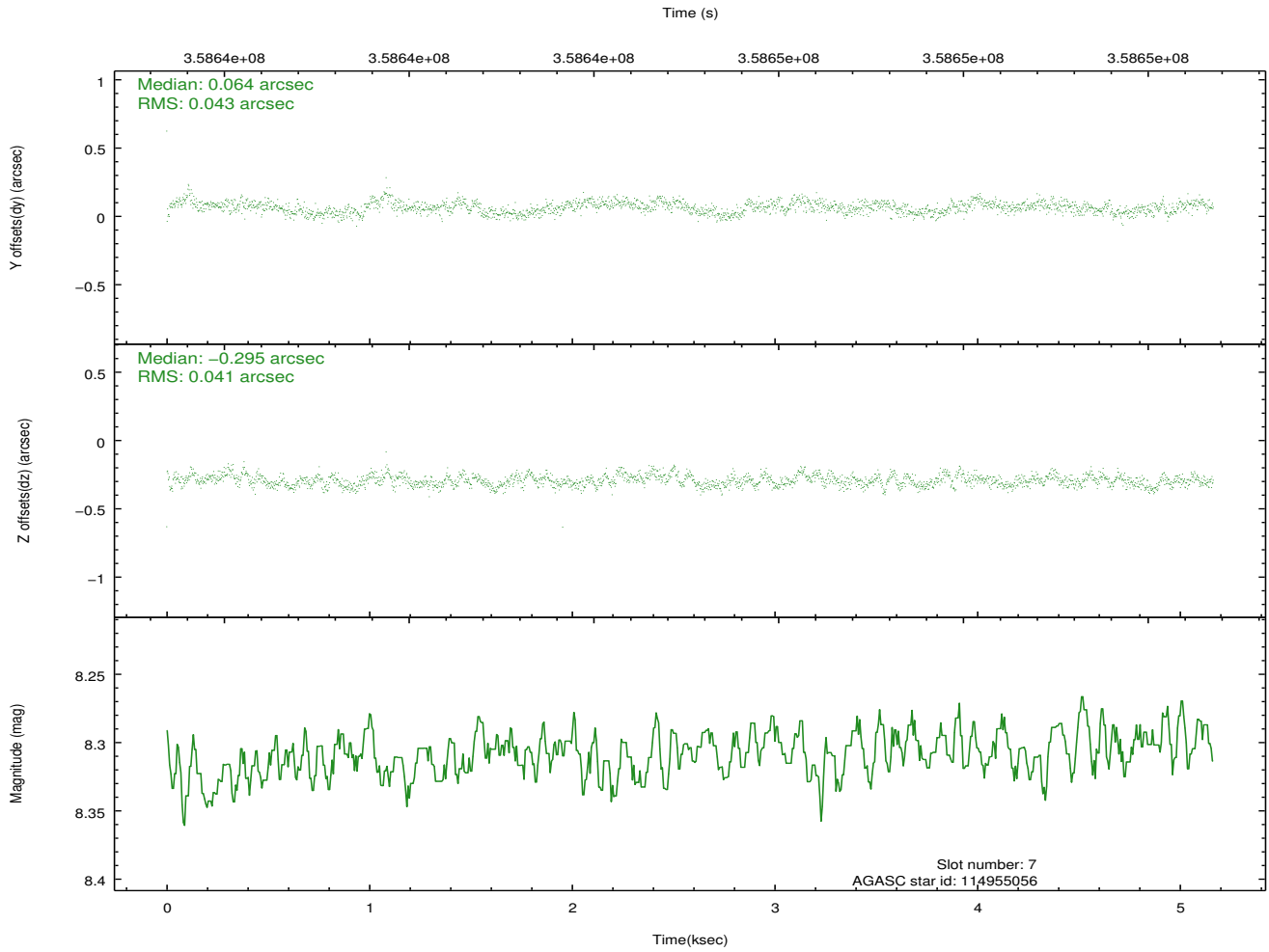
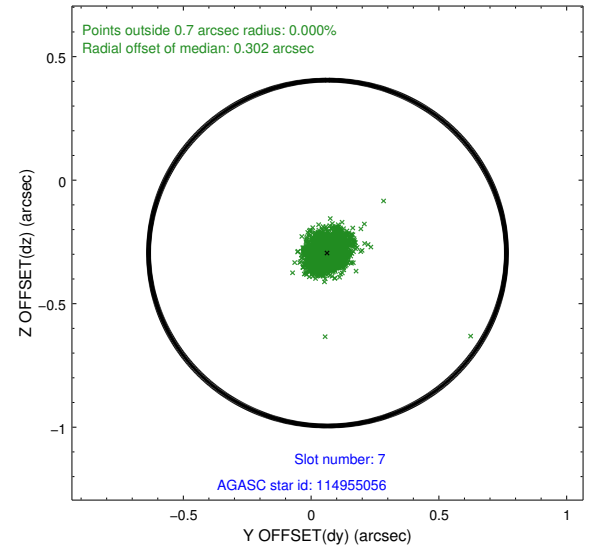
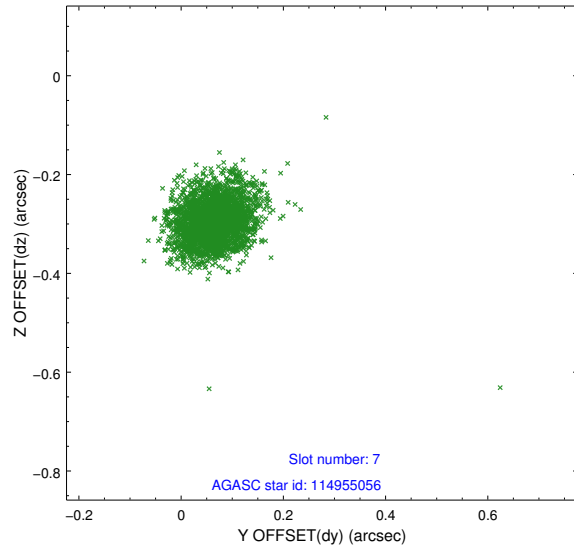
2.4.3 Slot 5



2.4.4 Slot 6

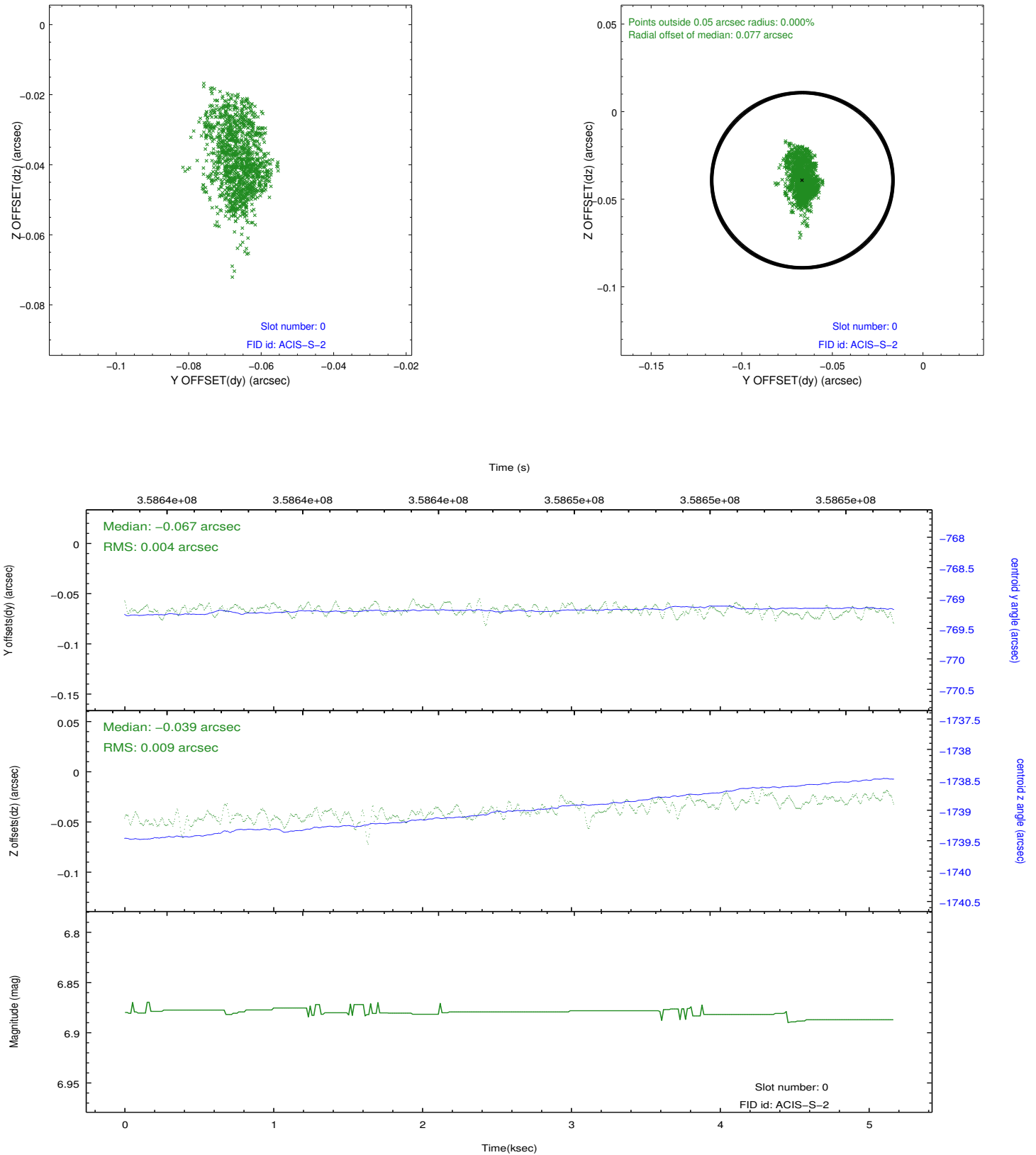


2.4.5 Slot 7

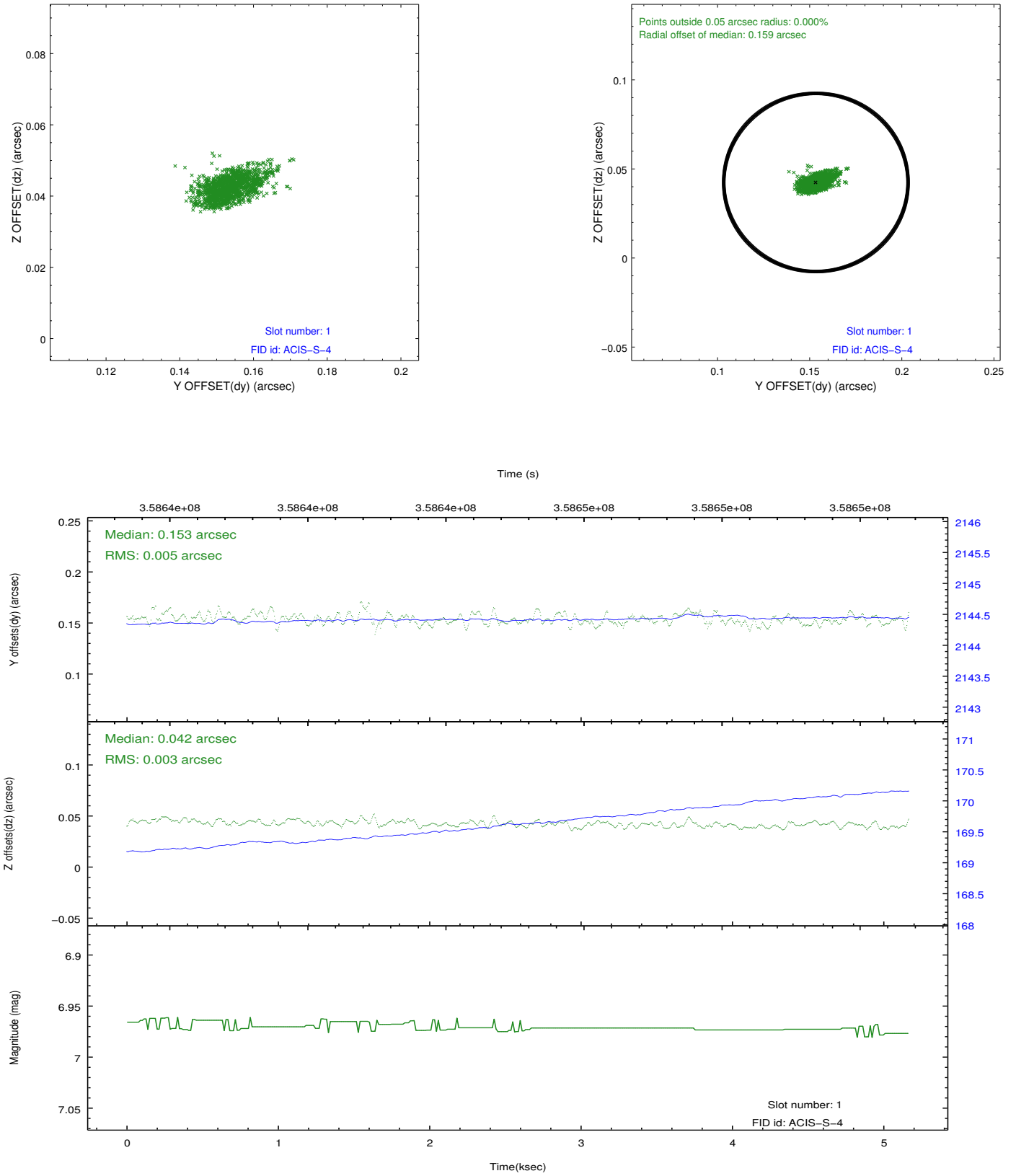


2.5 FID Slots

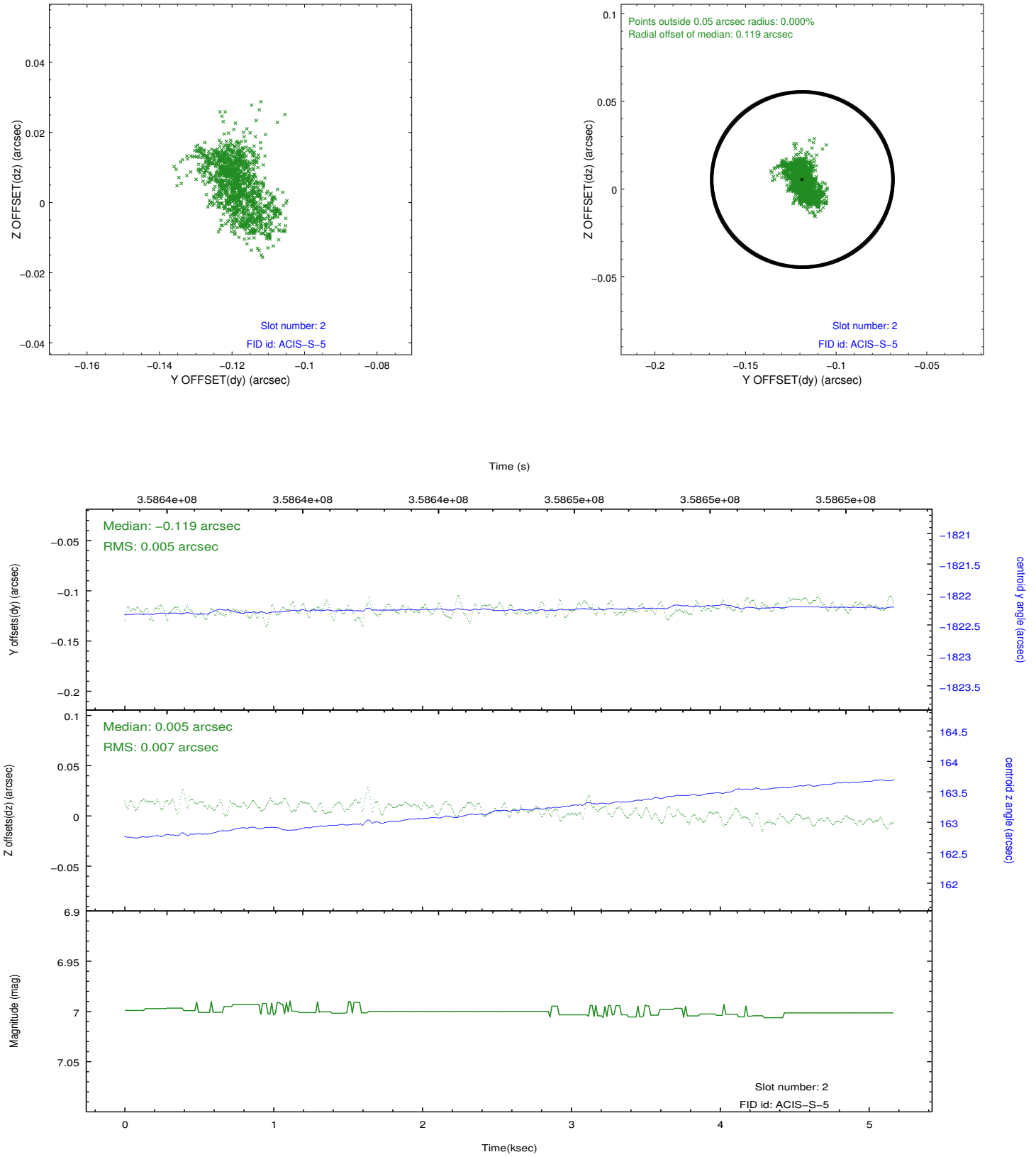
2.5.1 Slot 0



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)	2012.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16479969

A.2 Comments