

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8510 - L2 Version 3
Chandra X-Ray Center

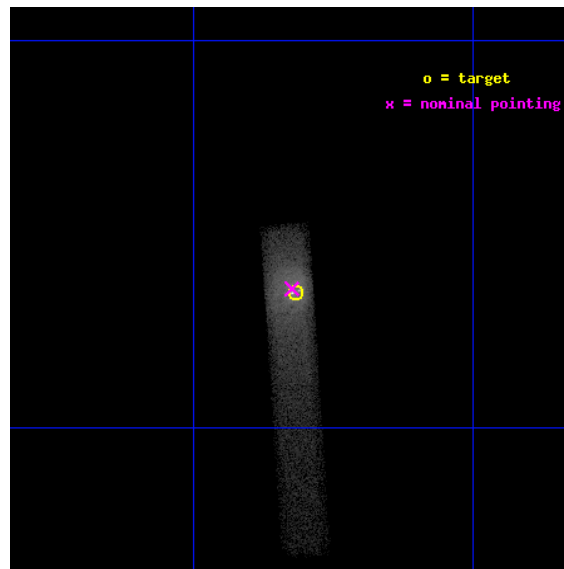
L2 Processing Date : Apr 20 2012

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1 Front

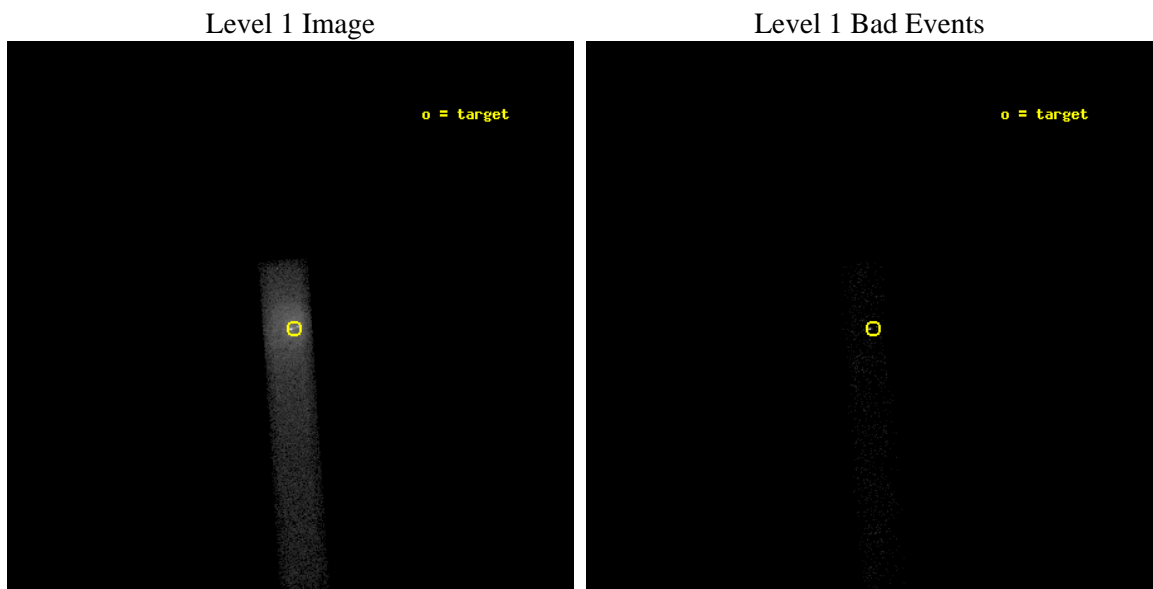
seq_num	701576	Sequence number
obs_id	8510	Observation id
title	Short Timescale X-ray Variability in the M87 Jet: the TeV connection	
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.7059623494	Nominal RA [deg]
dec_nom	12.392967996859	Nominal Dec [deg]
roll_nom	86.15627358209	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5183.5996910334	Sum of GTIs [s]
livetime	4701.2513069412	Livetime [s]
ontime7	5183.5996910334	Sum of GTIs [s]
l2events	57741	Number of level 2 events



2 OBI

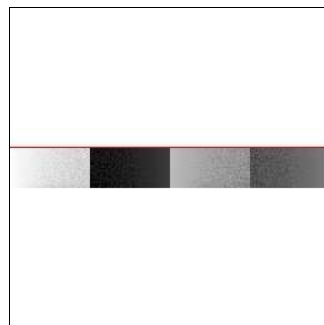
2.1 OBI

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	8.4.4	Processing system revision	ontime	5183.5996910334	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5183.5996910334	Sum of GTIs [s]
date	2012-04-20T03:17:37	Date and time of file creation	l1events	70168	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

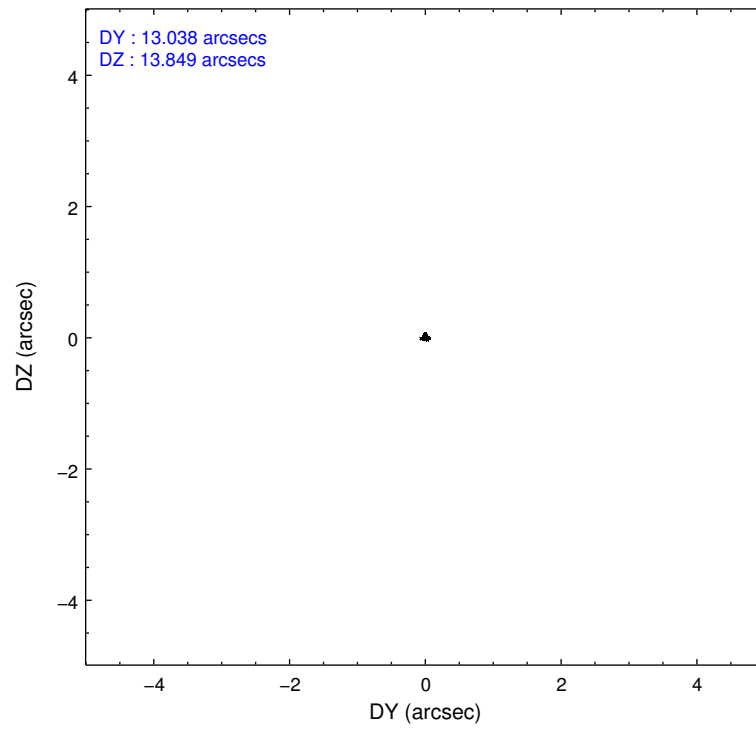
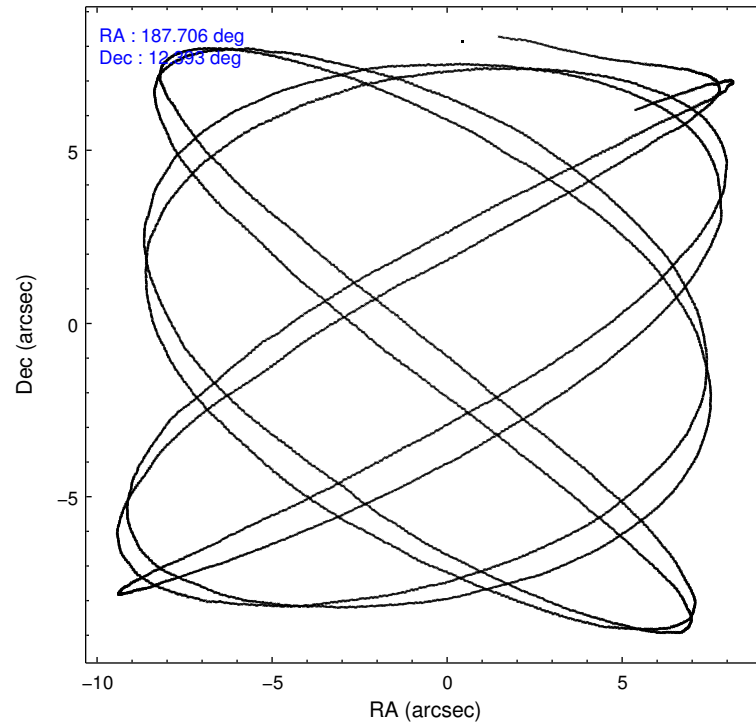
	ccd 7
level 1 events	70168
rejected events	11873
rejected %	16%

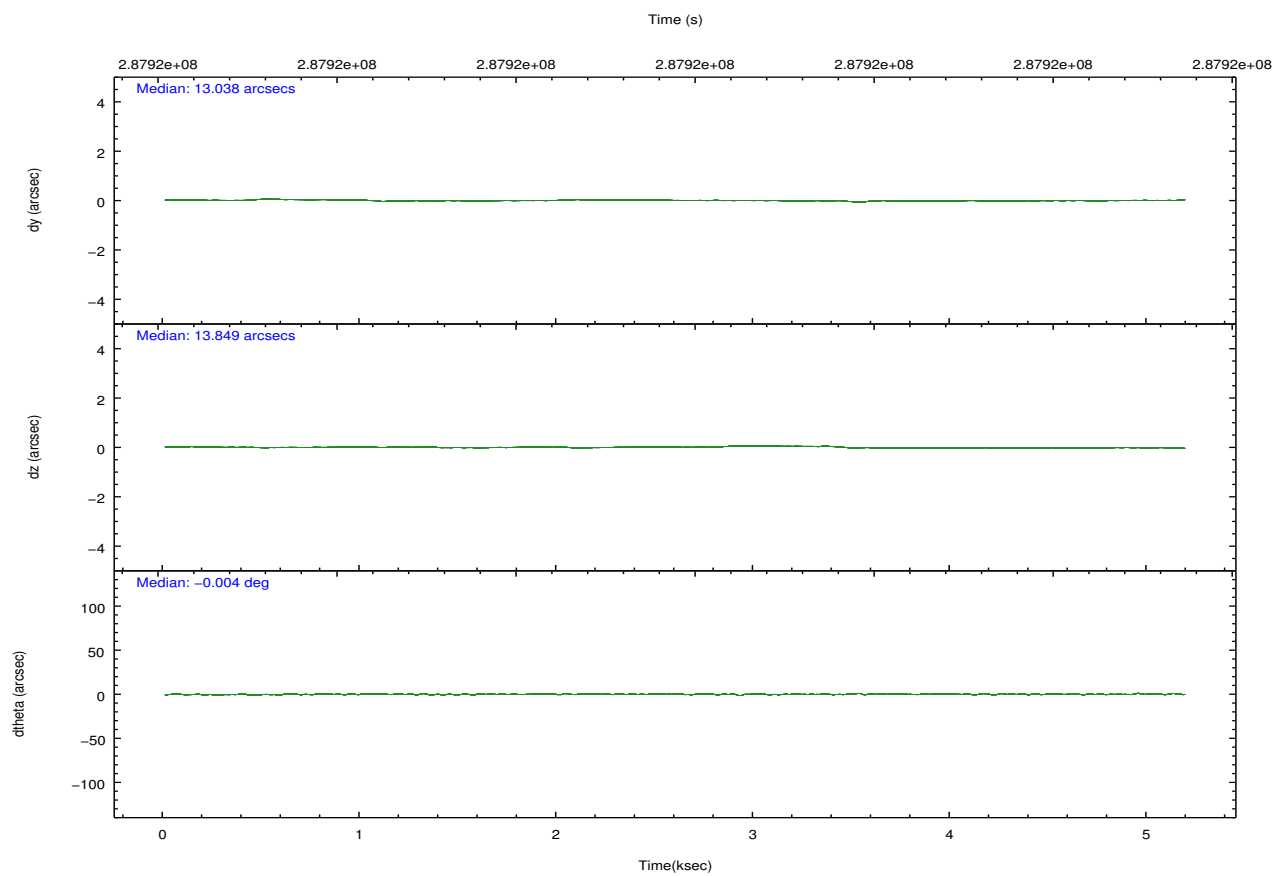
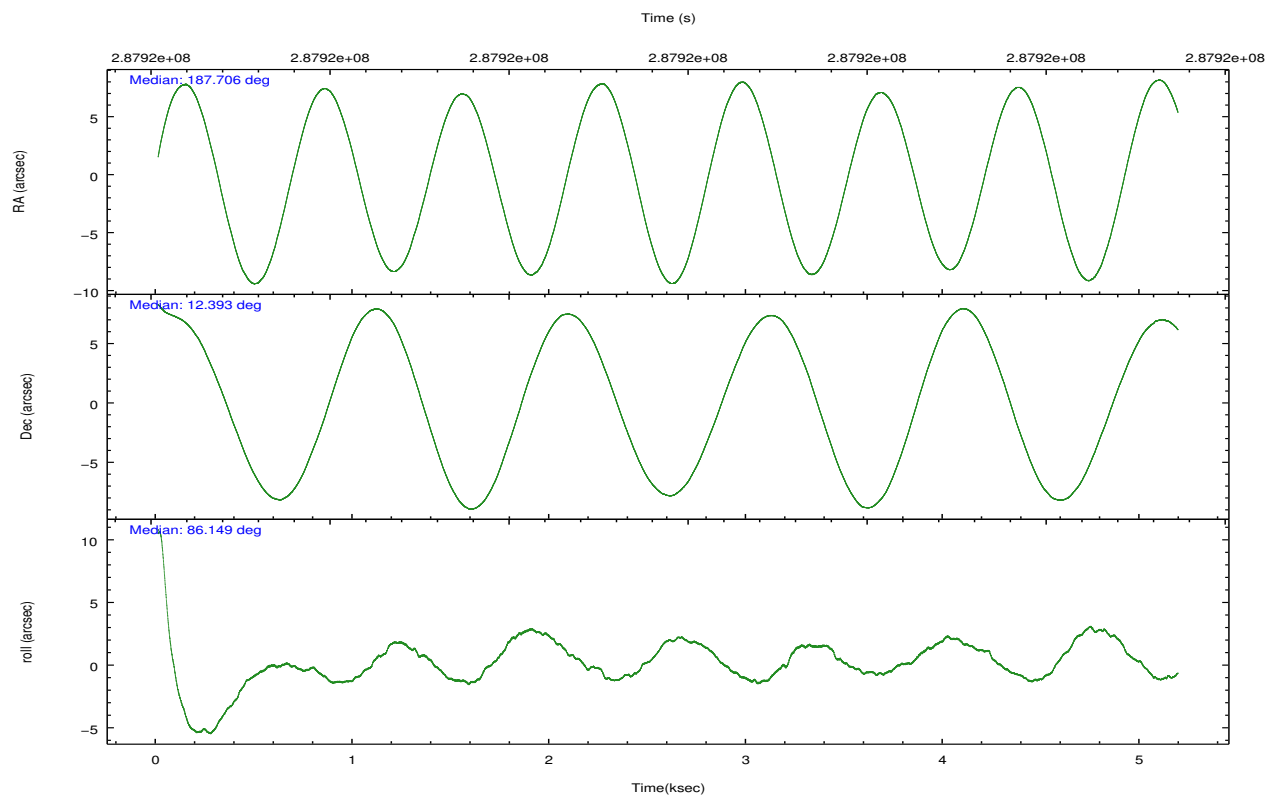
	ccd 7
grade 0 events	17574
	25%
grade 1 events	338
	0%
grade 2 events	15739
	22%
grade 3 events	7034
	10%
grade 4 events	6946
	9%
grade 5 events	2425
	3%
grade 6 events	13626
	19%
grade 7 events	6486
	9%

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	187.718592	187.7059623494044	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.368516	12.39296799685925	Subarray start row	449	449
[deg] Pointing Roll	85.996911	86.15627358209001	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)	287919496.184000	287917730.02852			
Observation start date	2007-02-15T09:37:11	2007-02-15T09:08:50			
[s] Observation end time (MET)	287924496.184000	287925354.49139			
Observation end date	2007-02-15T11:00:31	2007-02-15T11:15:54			
Read mode	TIMED	TIMED			

2.3 Aspect



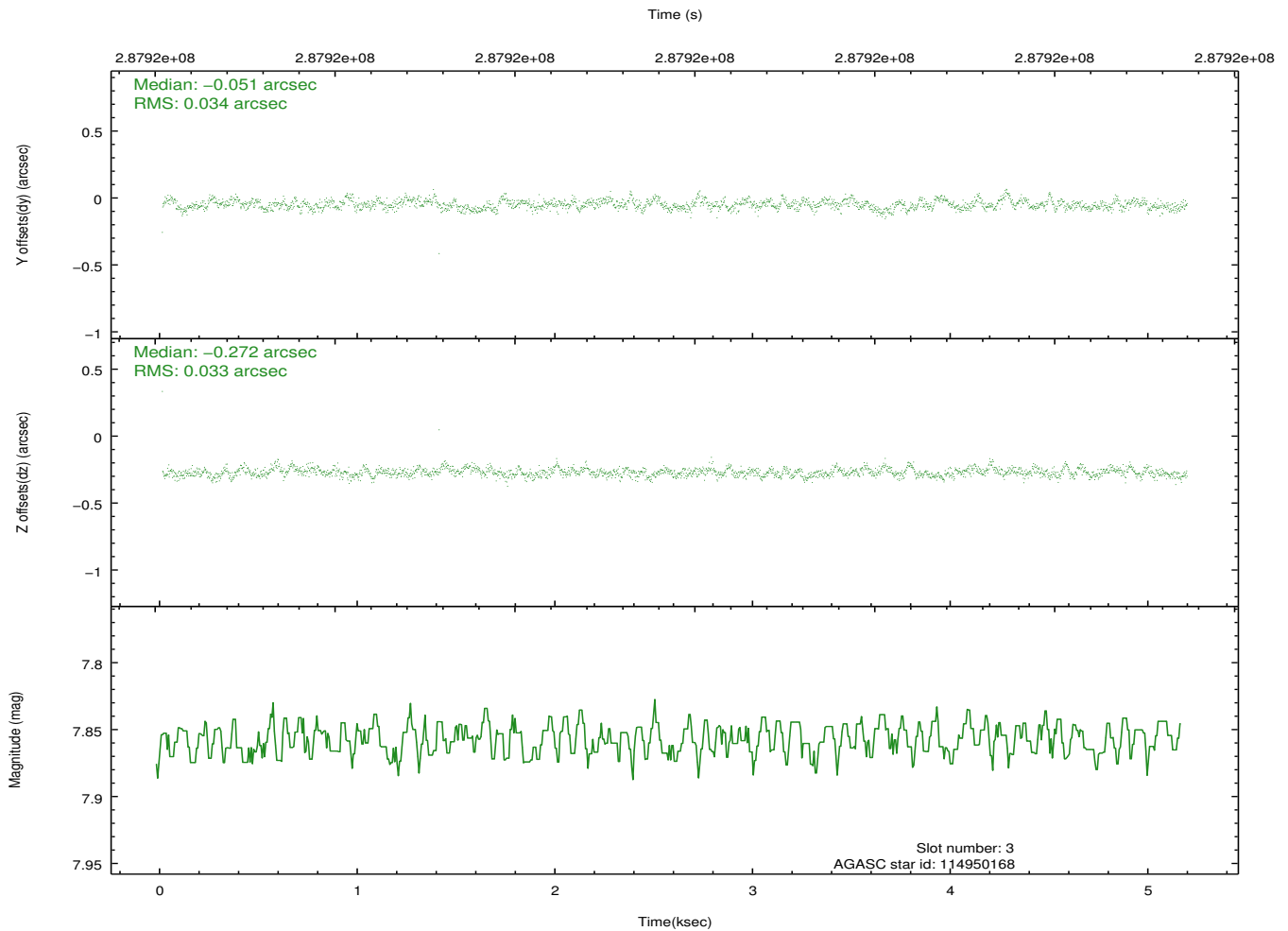
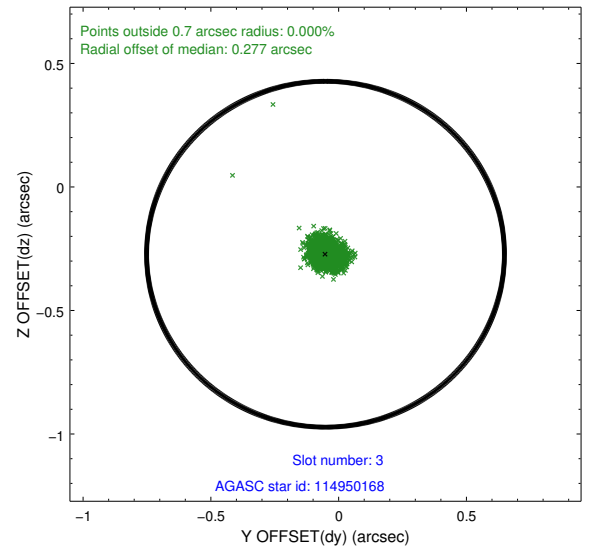
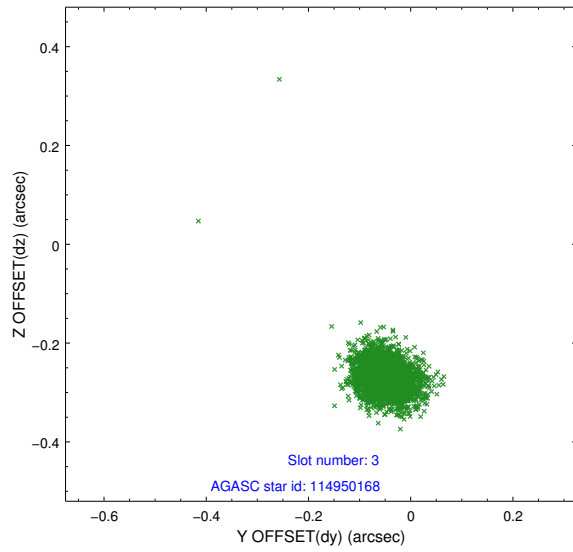


Slot Statistics

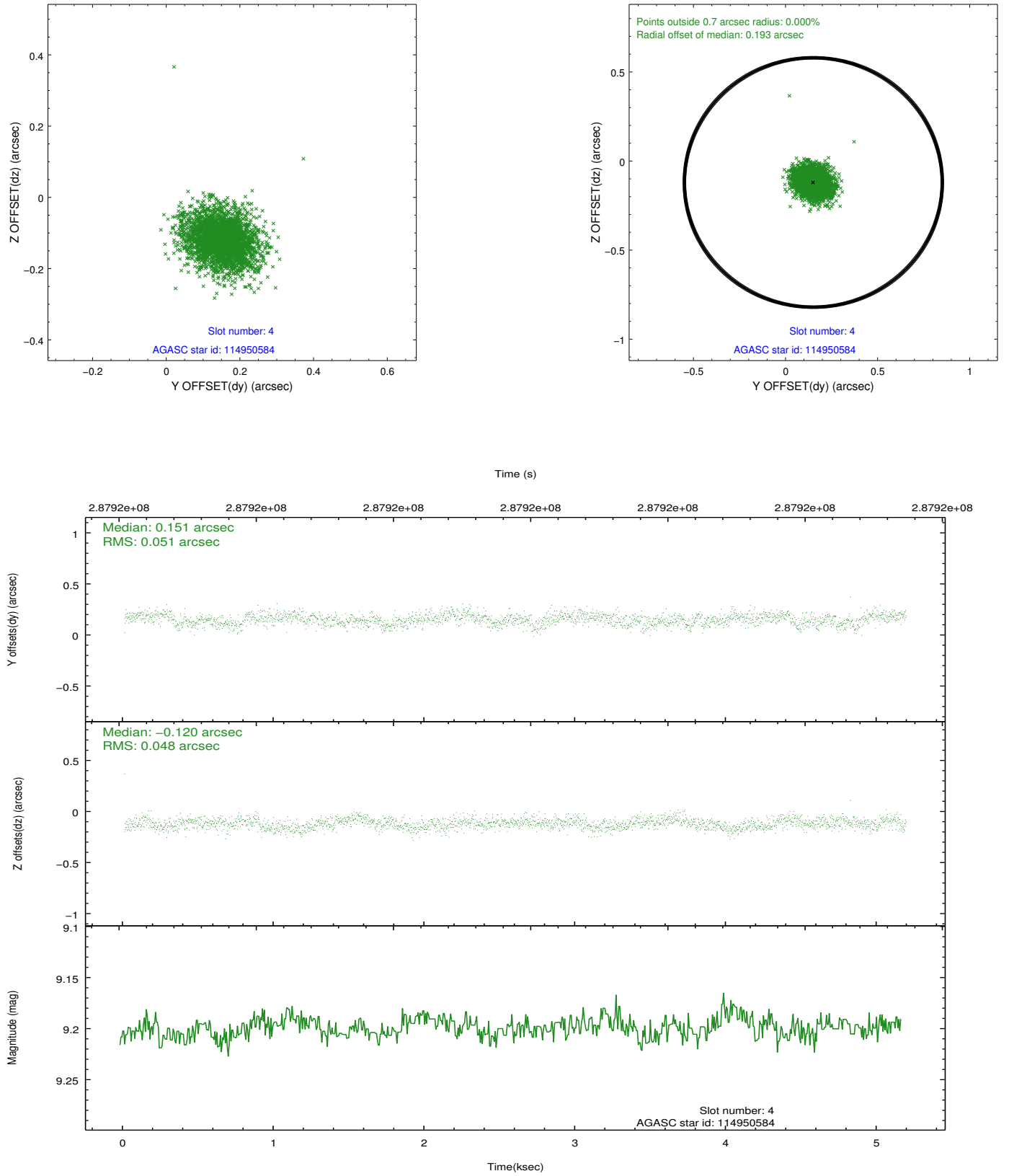
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1265	-0.034	-0.058	0.006	0.010	0.000000	0.000000	-765.98	-1735.26
1	FID	ACIS-S-4	7.20	1264	0.164	0.032	0.005	0.010	0.000000	0.000000	2146.95	172.11
2	FID	ACIS-S-5	7.23	1263	-0.161	0.034	0.006	0.011	0.000000	0.000000	-1817.46	167.10
3	GUIDE	114950168	7.86	2530	-0.051	-0.272	0.047	0.077	187.143398	12.117441	-1041.51	1956.81
4	GUIDE	114950584	9.20	2524	0.151	-0.120	0.073	0.122	187.487323	11.827248	-2000.99	678.11
5	GUIDE	114952824	8.57	2529	-0.119	-0.183	0.080	0.125	187.703904	12.486727	419.72	82.17
6	GUIDE	114955056	8.33	2530	0.074	0.455	0.074	0.124	187.914001	12.127854	-815.88	-745.54
7	GUIDE	114955568	7.52	2529	-0.057	0.124	0.054	0.092	187.061916	11.826551	-2105.98	2172.51

2.4 Star Slots

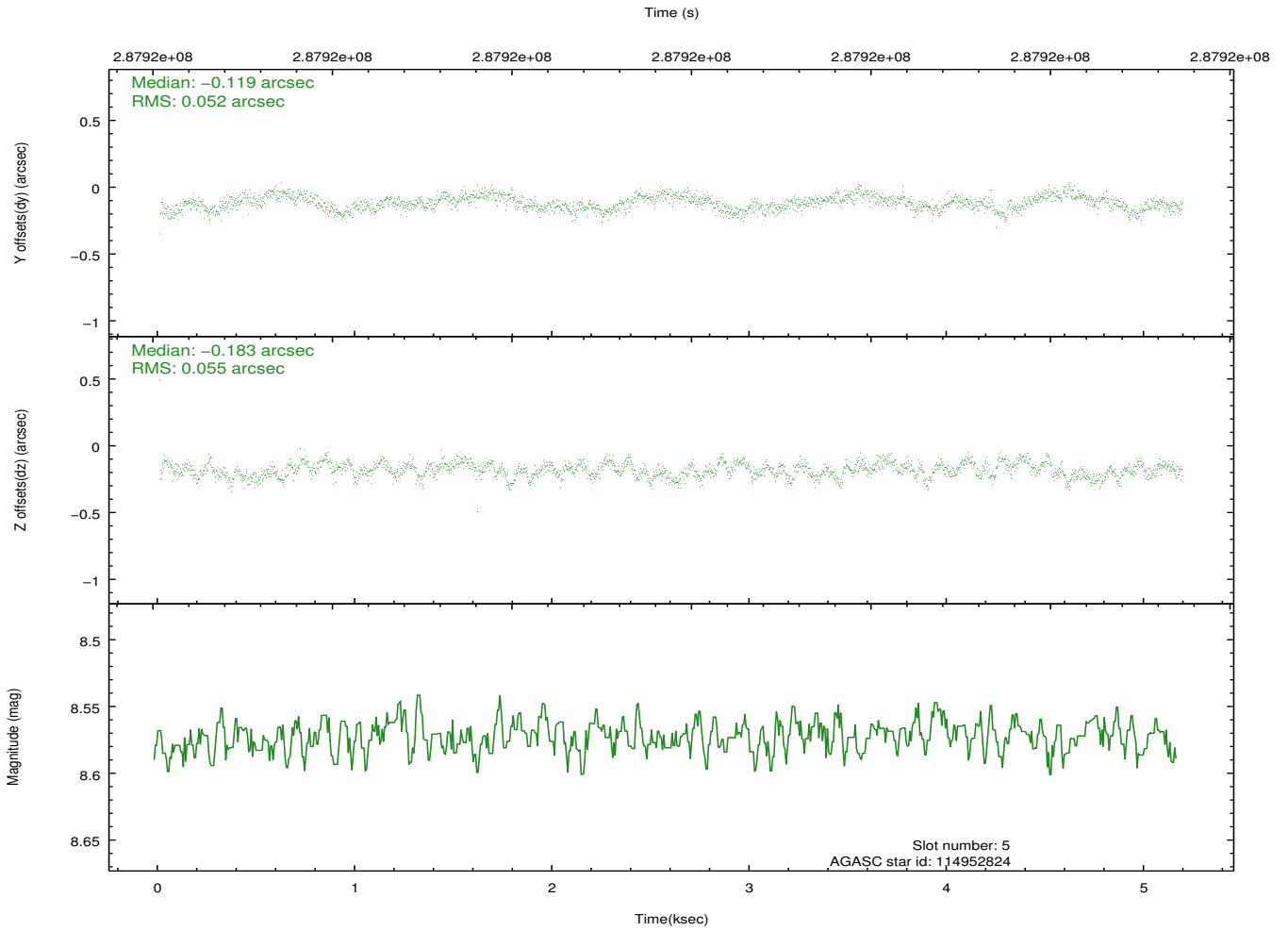
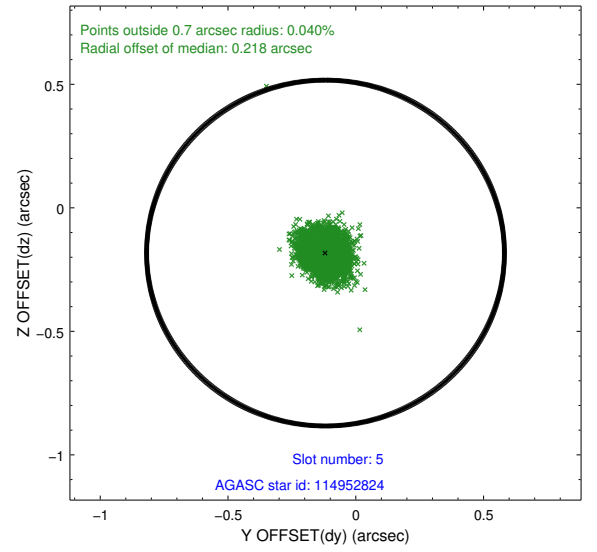
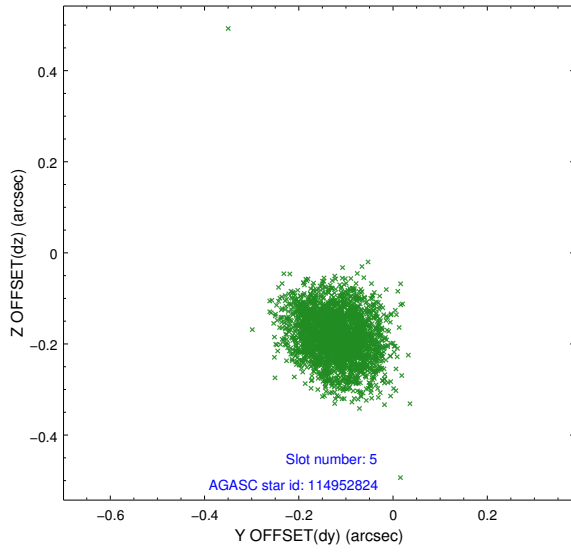
2.4.1 Slot 3



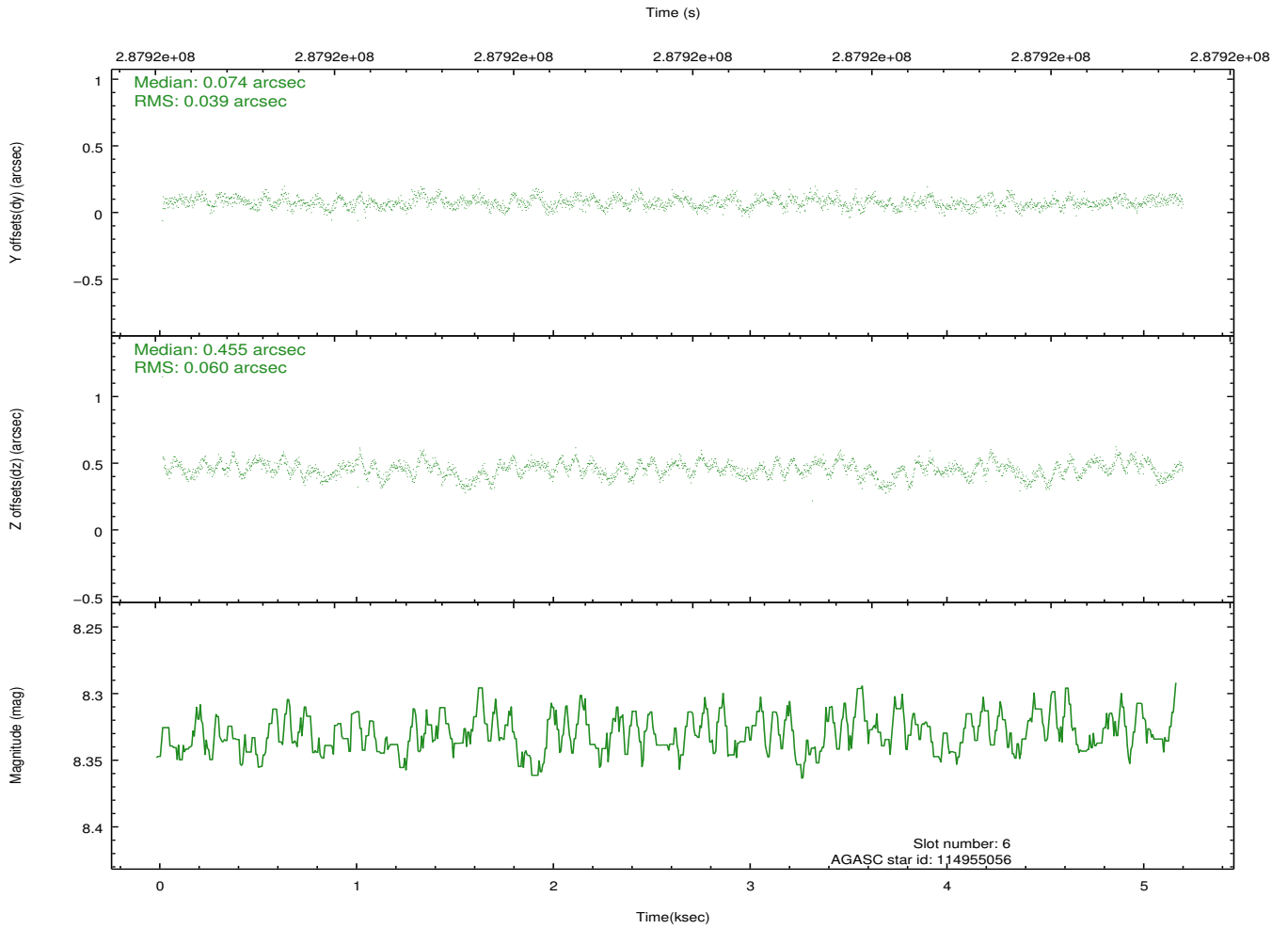
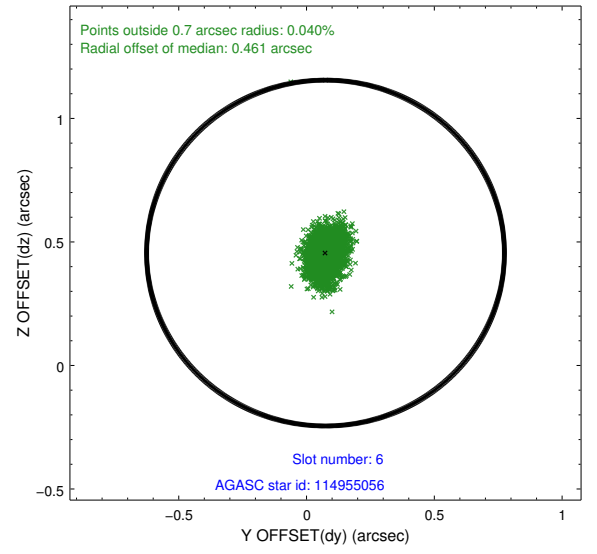
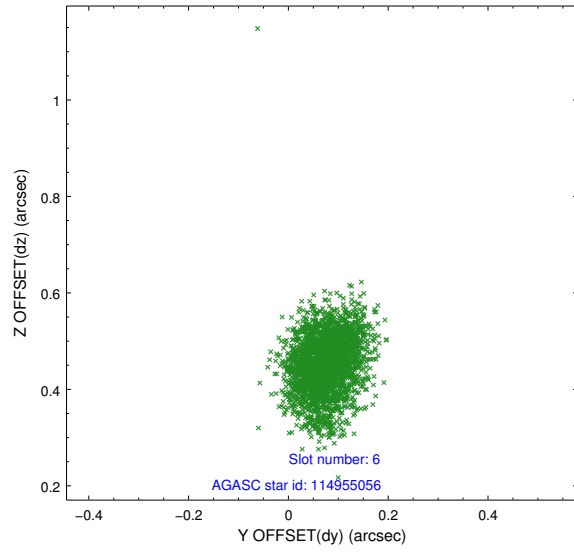
2.4.2 Slot 4



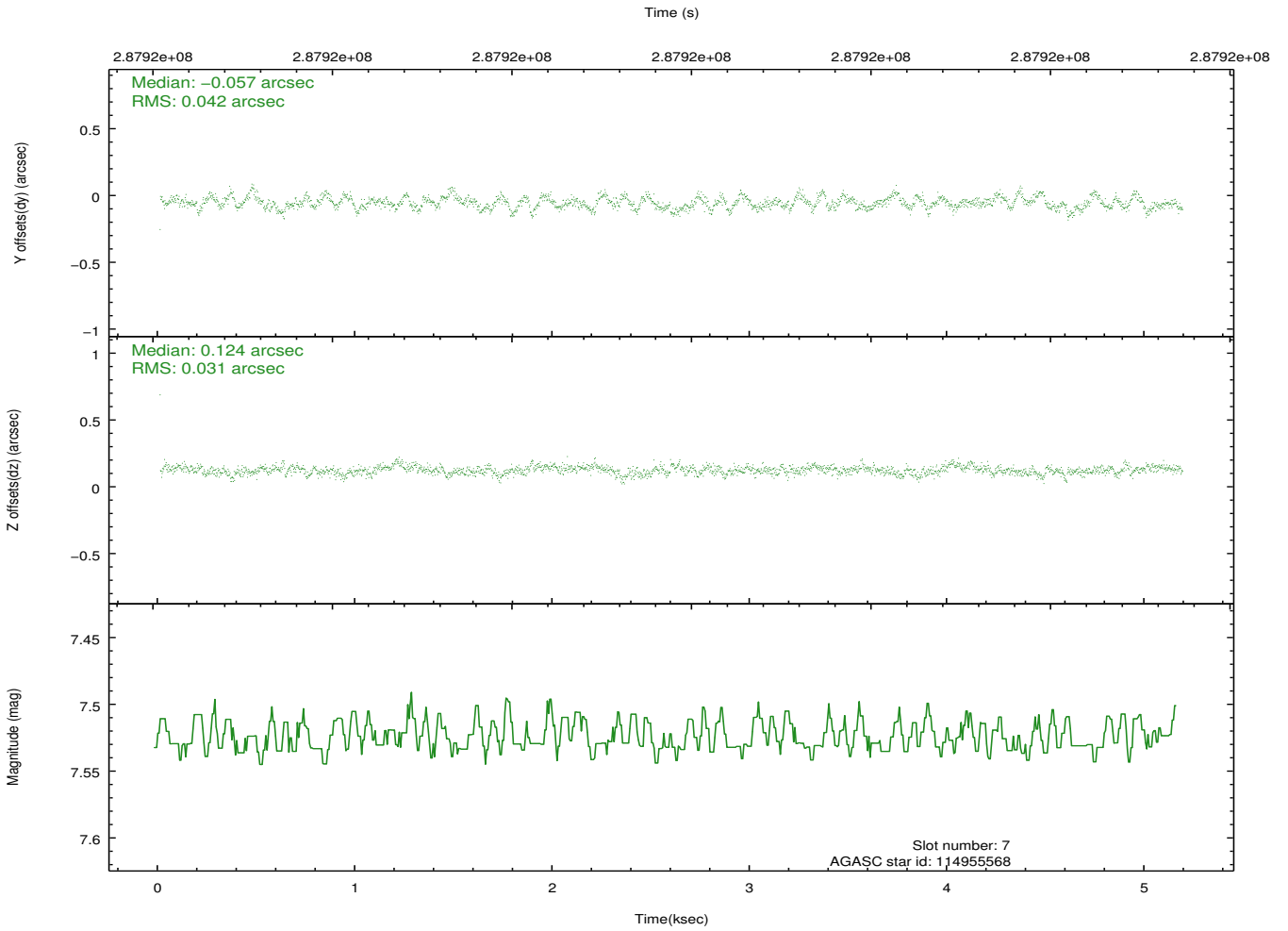
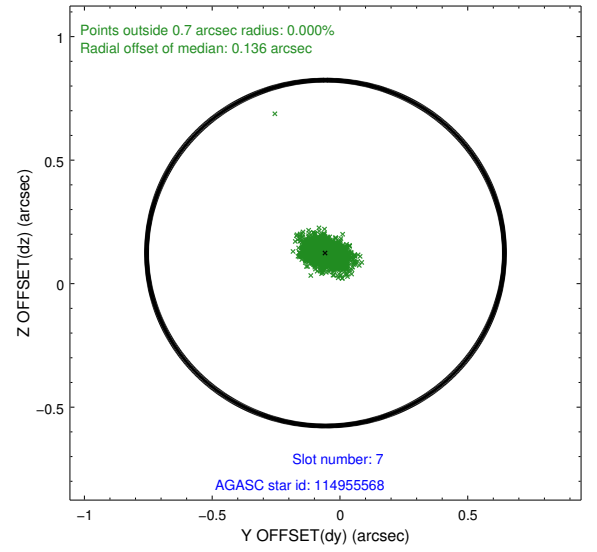
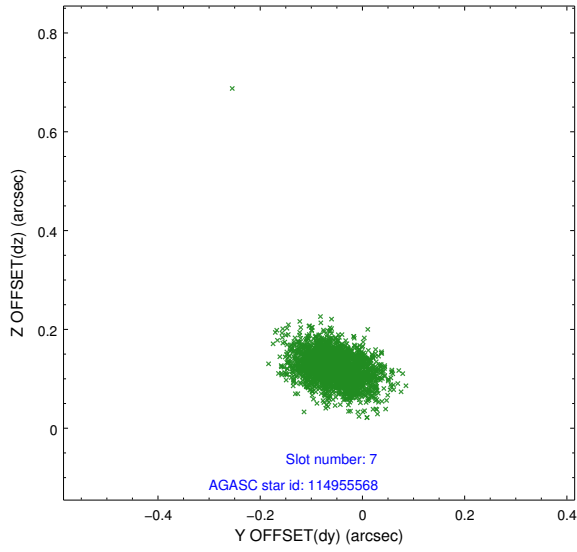
2.4.3 Slot 5



2.4.4 Slot 6

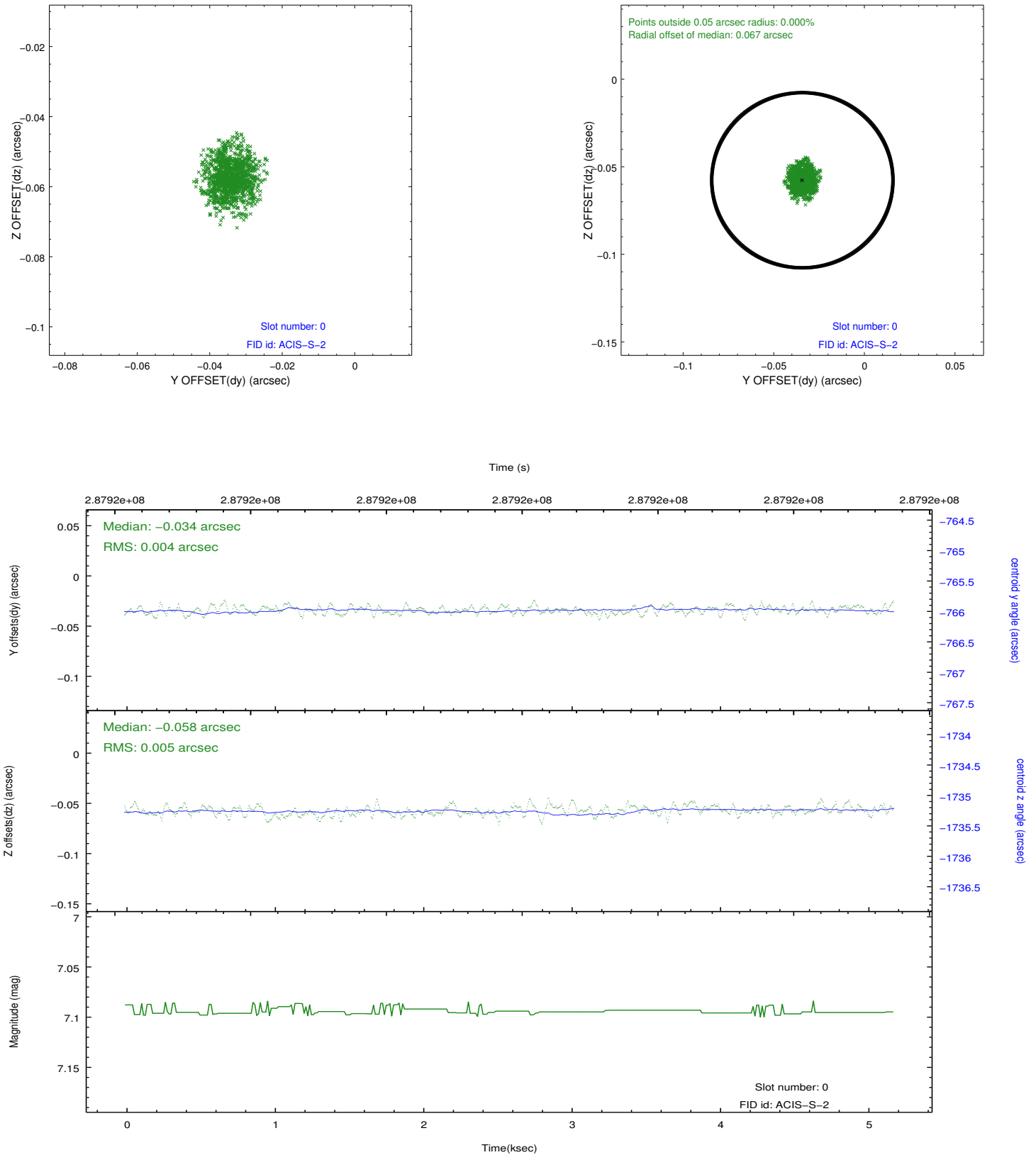


2.4.5 Slot 7

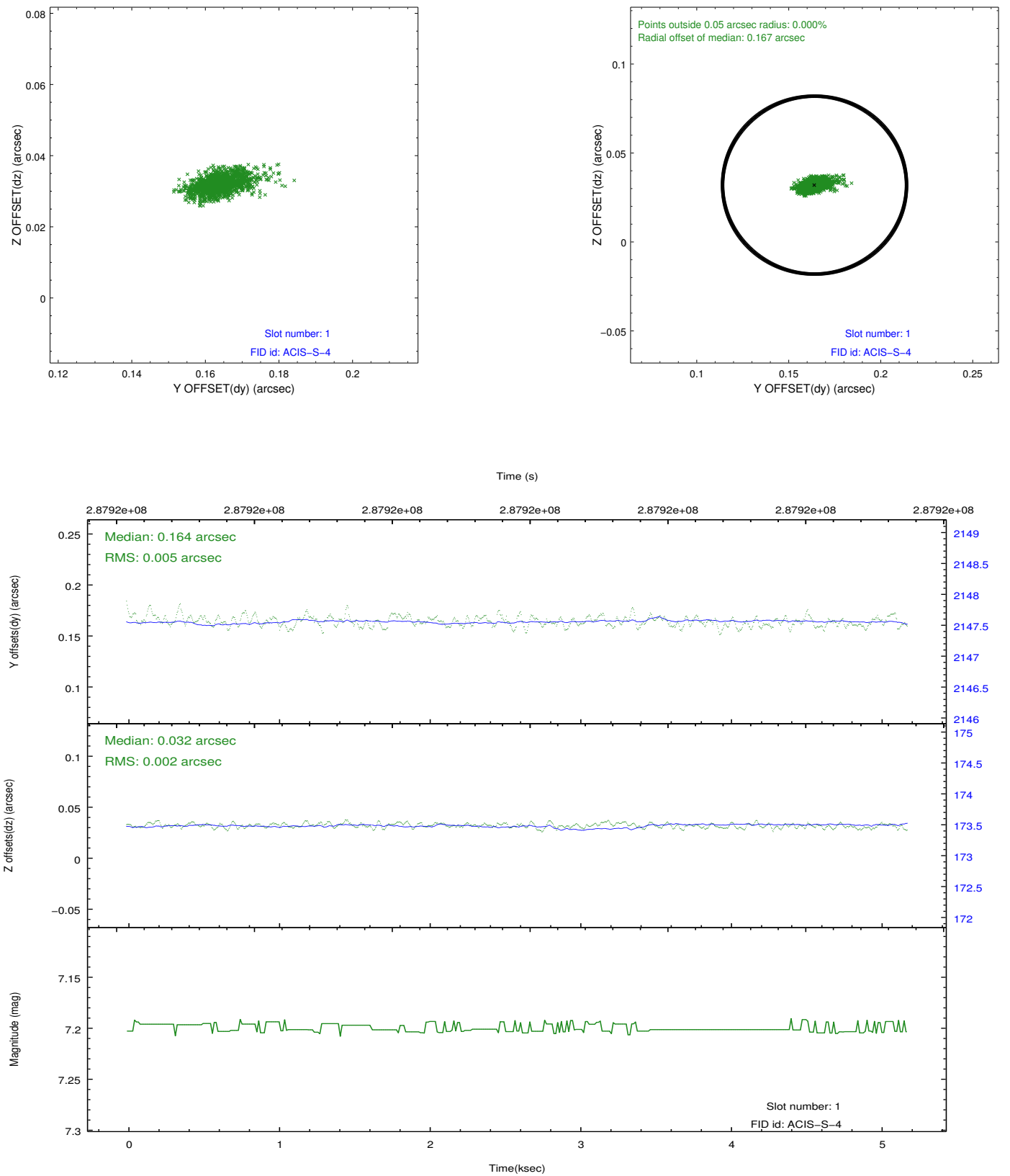


2.5 FID Slots

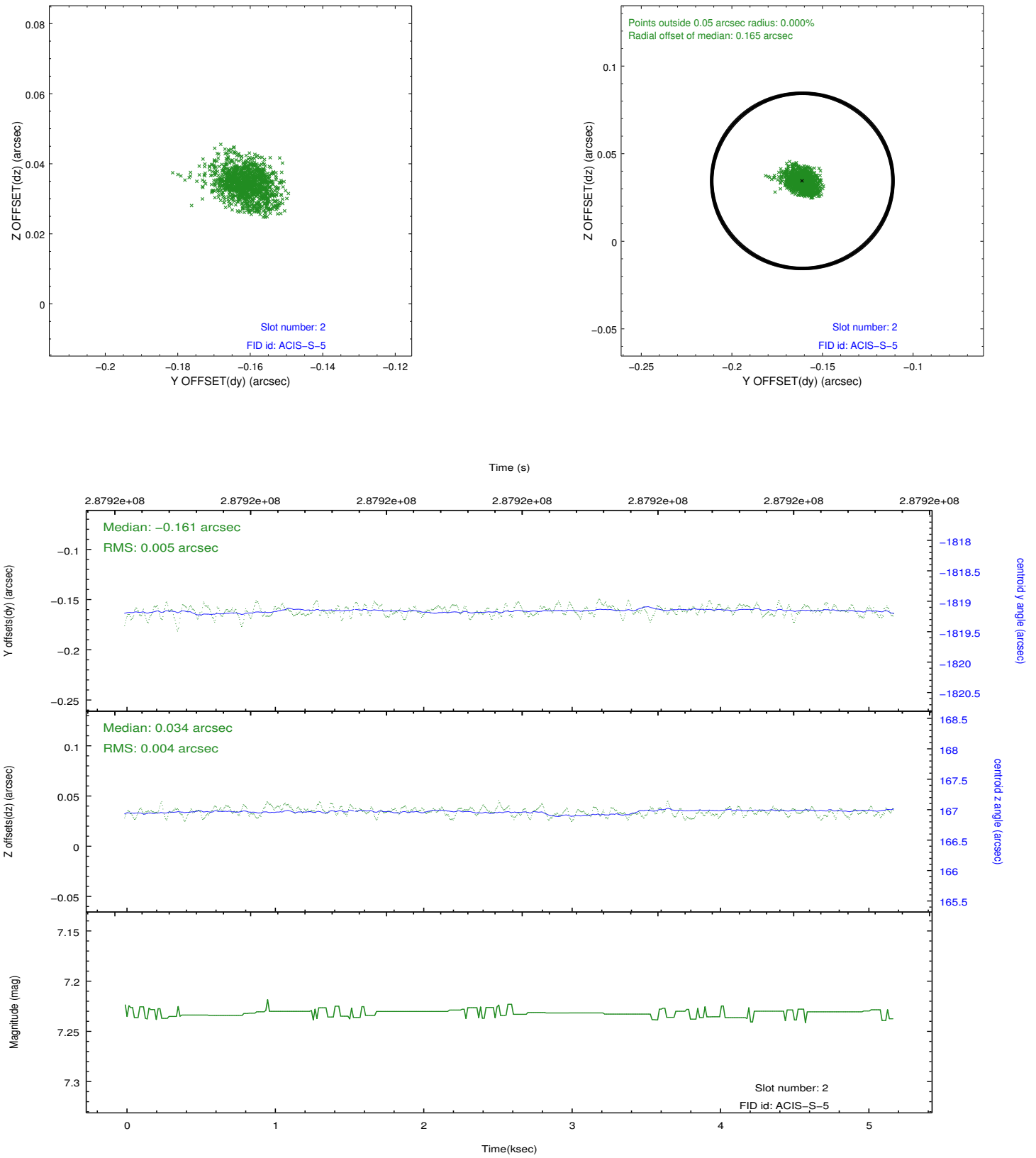
2.5.1 Slot 0



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)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18359969

A.2 Comments