

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8512 - L2 Version 3
Chandra X-Ray Center

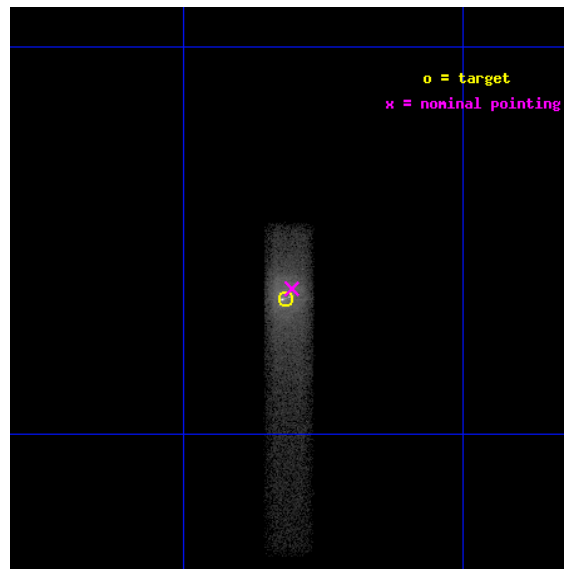
L2 Processing Date : Apr 20 2012

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1 Front

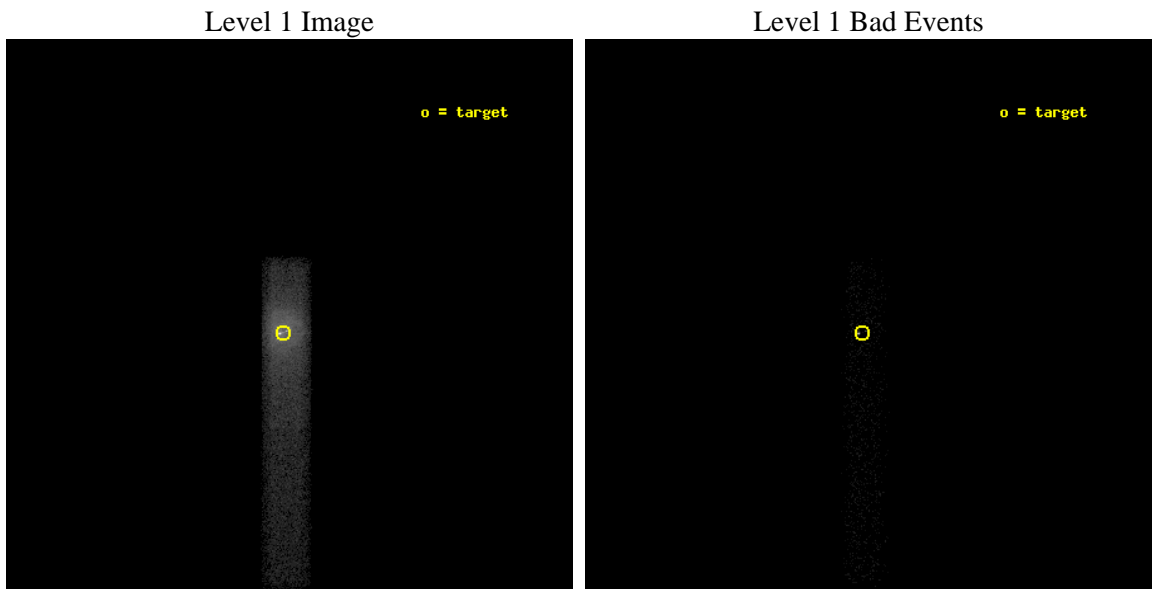
seq_num	701578	Sequence number
obs_id	8512	Observation id
title	Short Timescale X-ray Variability in the M87 Jet: the TeV connection	
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.7014462159	Nominal RA [deg]
dec_nom	12.395778765684	Nominal Dec [deg]
roll_nom	90.071957374674	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5185.5996909142	Sum of GTIs [s]
livetime	4703.0652012644	Livetime [s]
ontime7	5185.5996909142	Sum of GTIs [s]
l2events	57708	Number of level 2 events



2 OBI

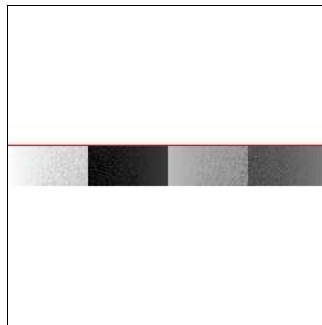
2.1 OBI

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	5185.5996909142	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5185.5996909142	Sum of GTIs [s]
date	2012-04-20T14:32:51	Date and time of file creation	l1events	68584	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

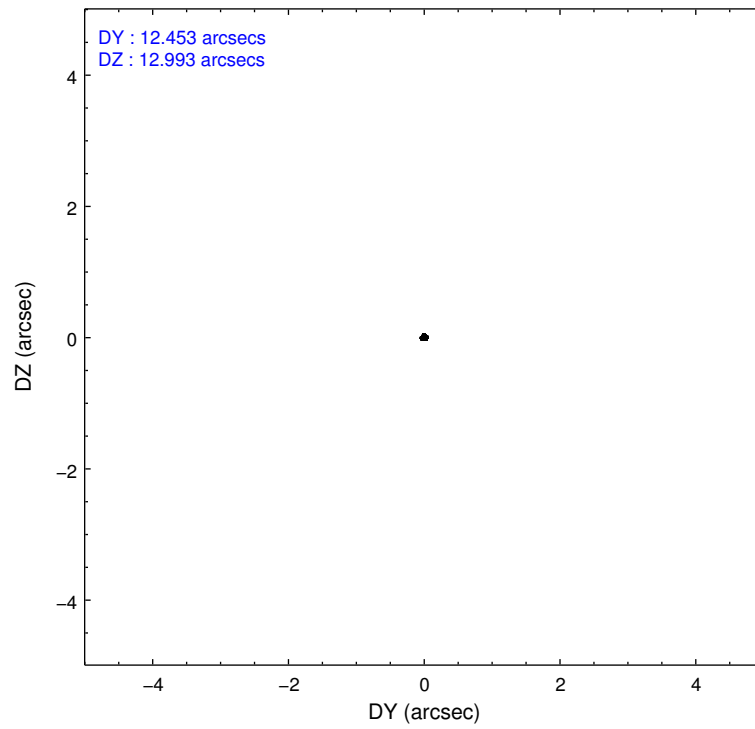
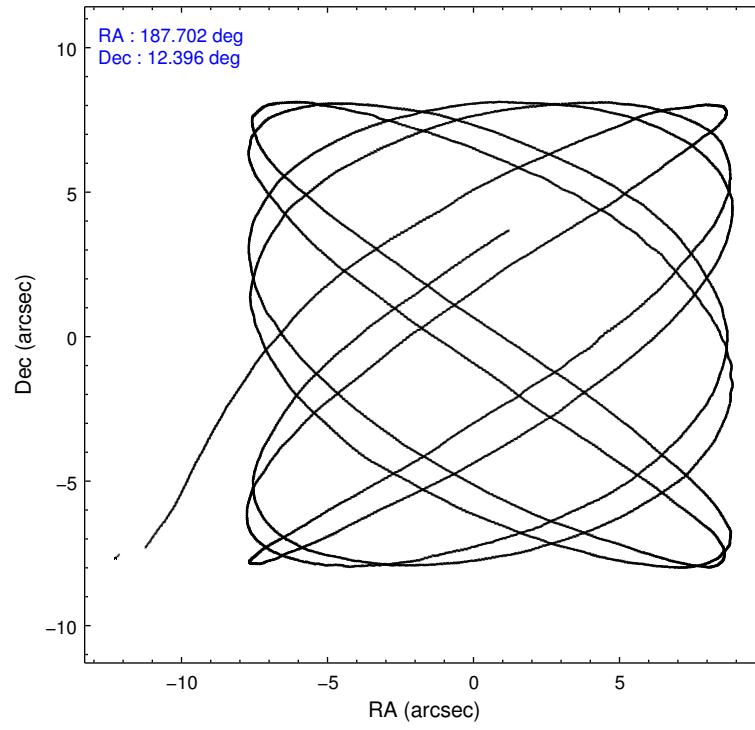
	ccd 7
level 1 events	68584
rejected events	10182
rejected %	14%

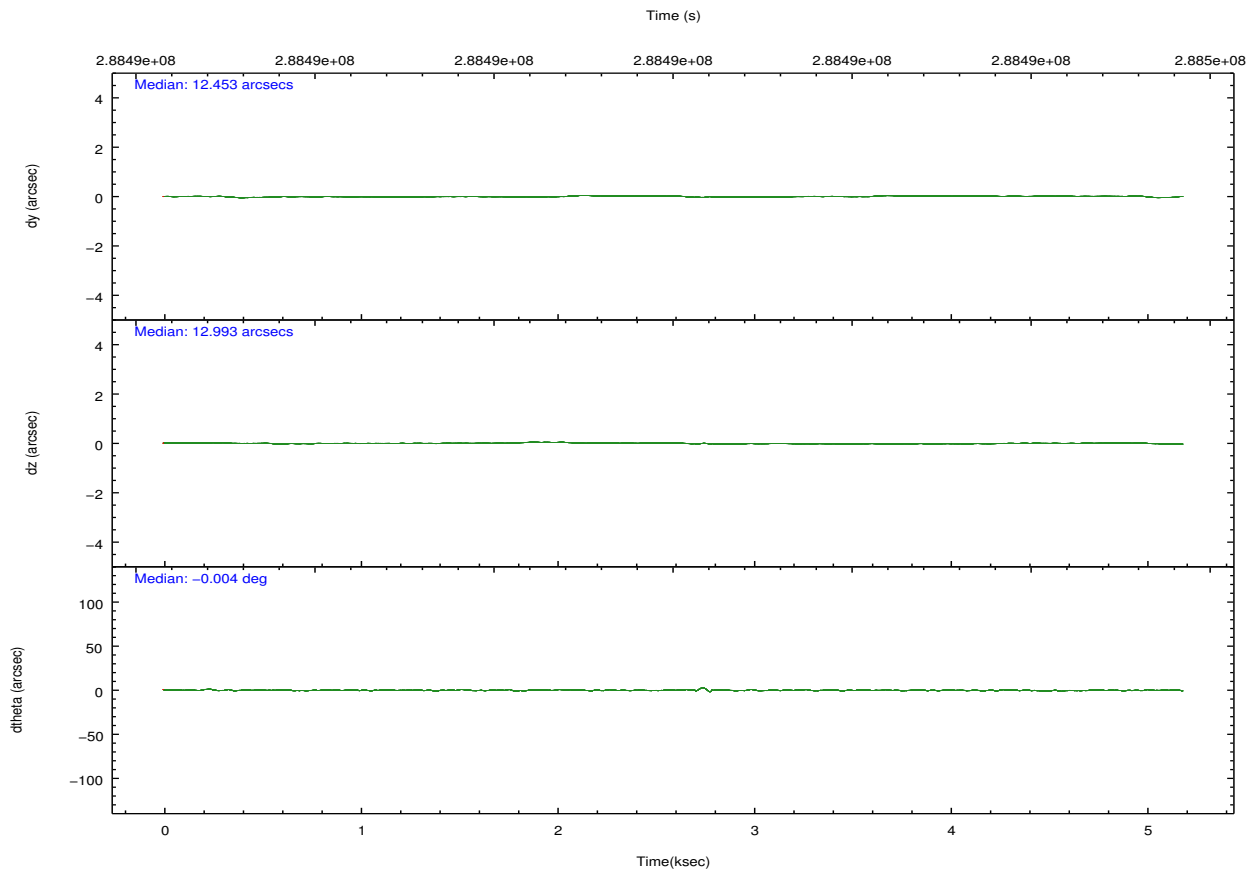
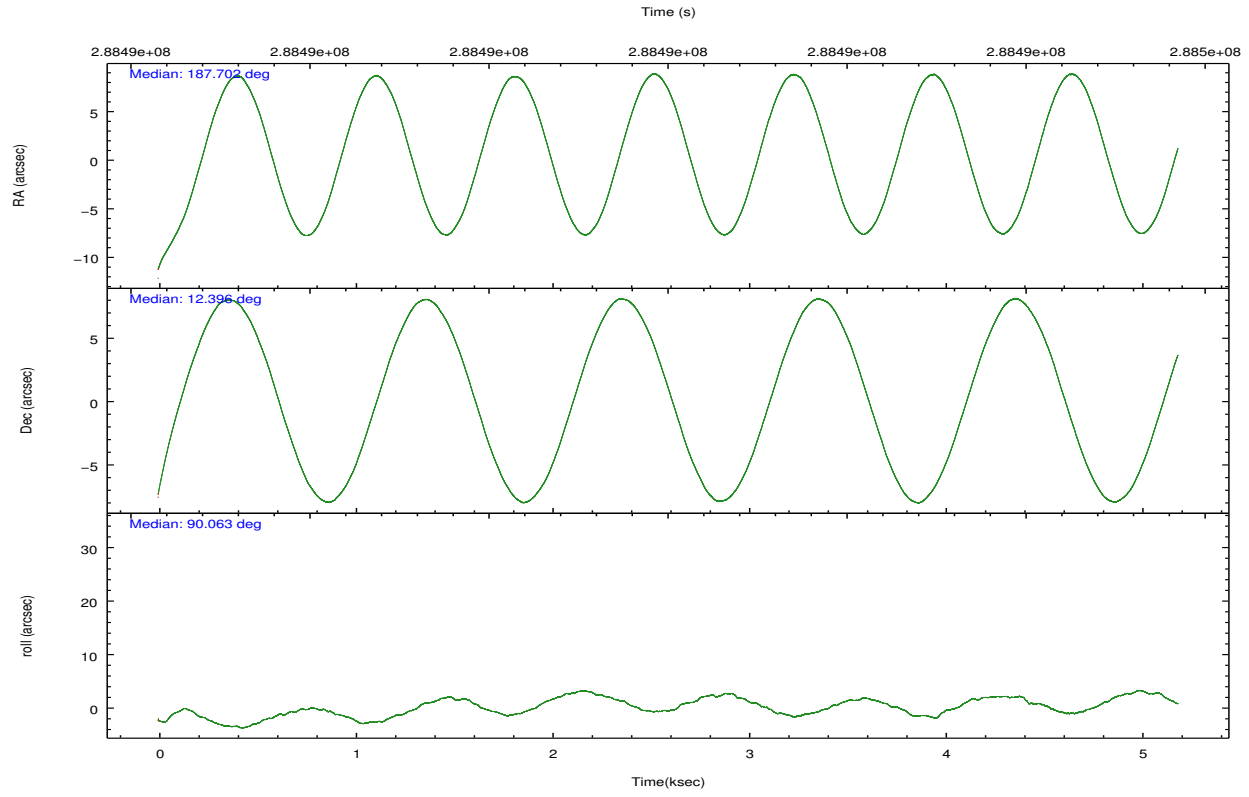
	ccd 7
grade 0 events	17772
	25%
grade 1 events	348
	0%
grade 2 events	15657
	22%
grade 3 events	6947
	10%
grade 4 events	6792
	9%
grade 5 events	2261
	3%
grade 6 events	13195
	19%
grade 7 events	5612
	8%

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	187.715913	187.7014462159003	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.372318	12.3957787656842	Subarray start row	449	449
[deg] Pointing Roll	89.912219	90.0719573746738	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)	288489587.184000	288488811.88066			
Observation start date	2007-02-21T23:58:42	2007-02-21T23:46:51			
[s] Observation end time (MET)	288494587.184000	288494886.03095			
Observation end date	2007-02-22T01:22:02	2007-02-22T01:28:06			
Read mode	TIMED	TIMED			

2.3 Aspect



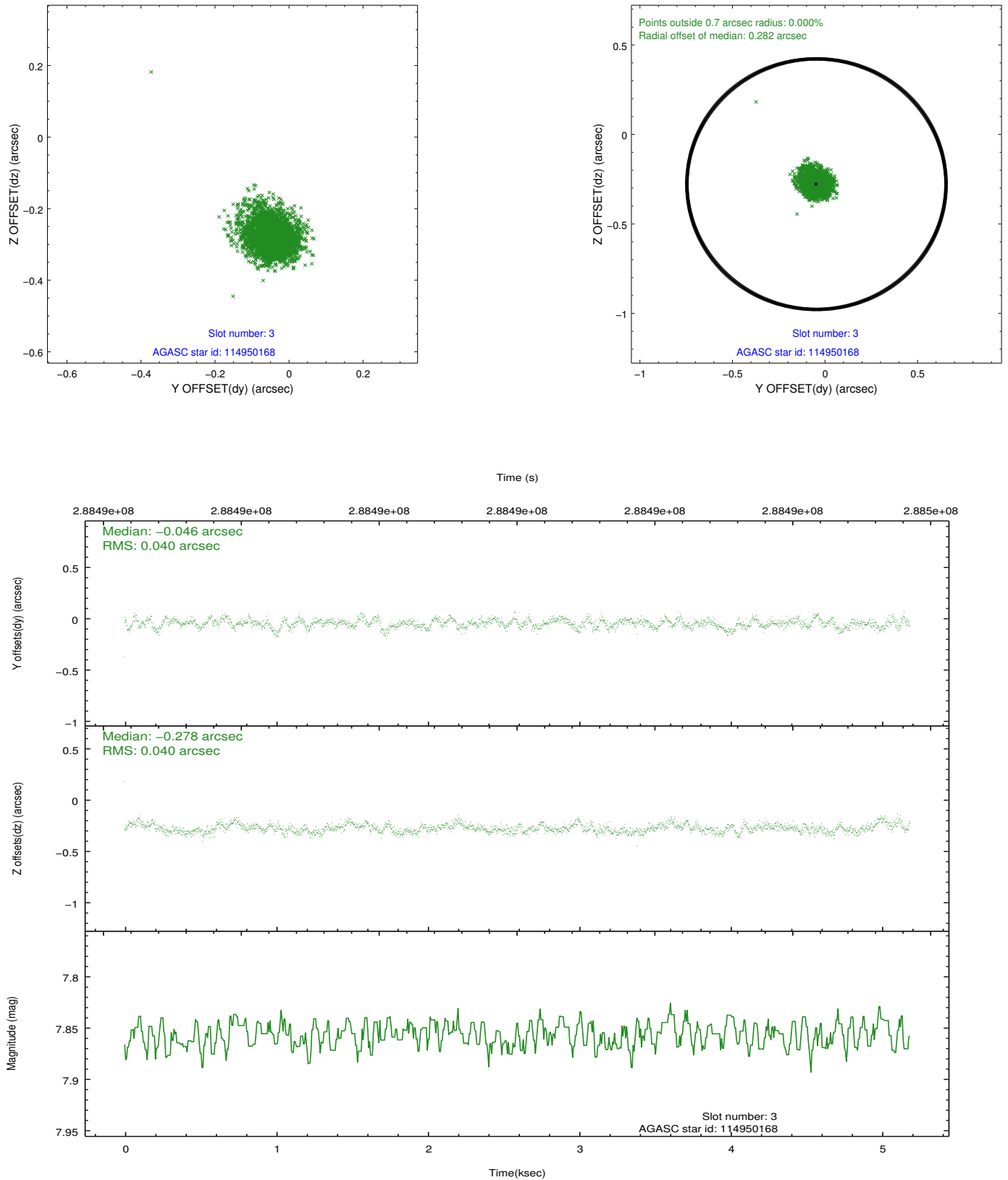


Slot Statistics

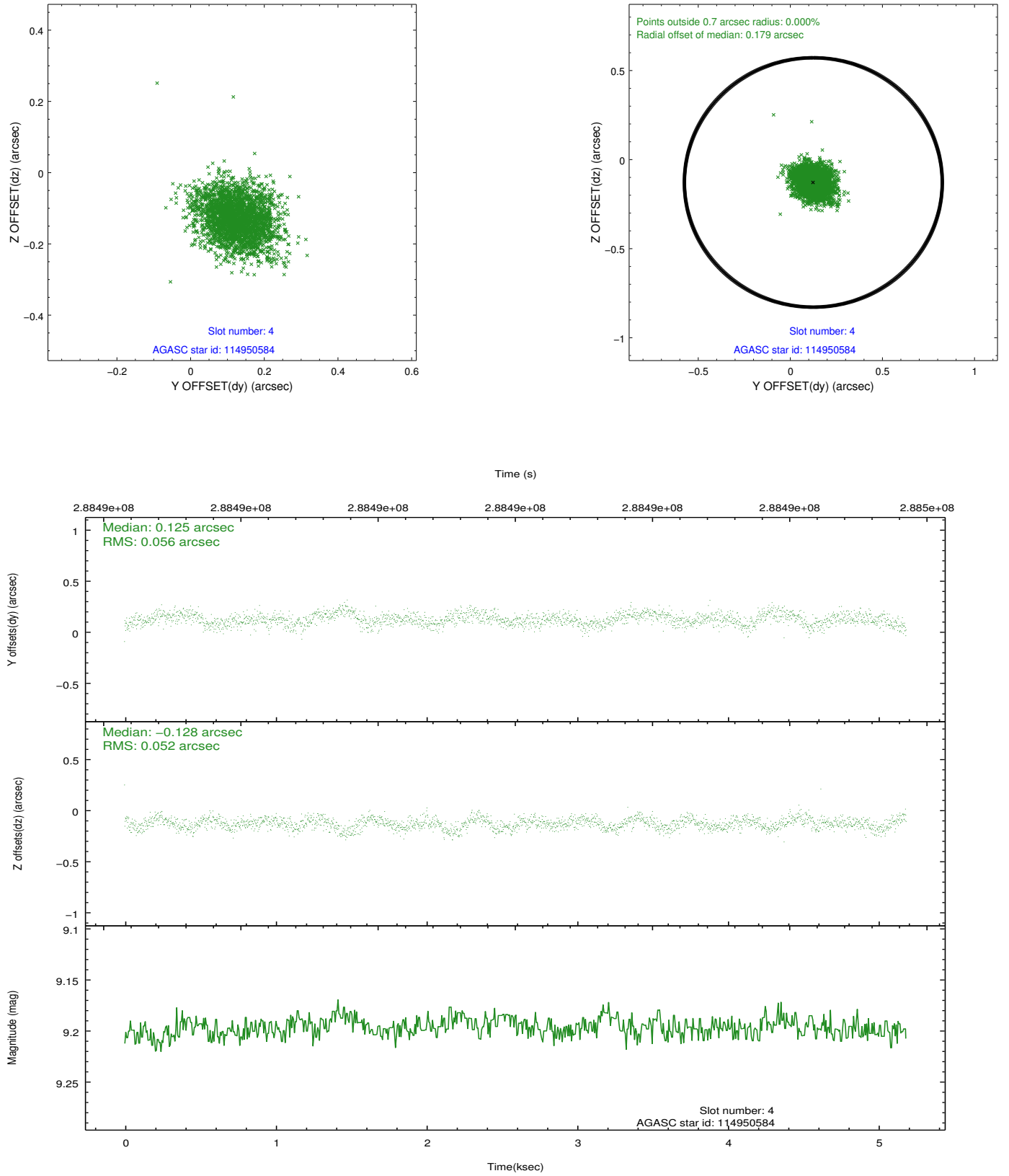
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1266	-0.018	-0.057	0.007	0.013	0.000000	0.000000	-765.38	-1734.37
1	FID	ACIS-S-4	7.20	1266	0.135	0.024	0.008	0.014	0.000000	0.000000	2147.53	172.96
2	FID	ACIS-S-5	7.24	1266	-0.148	0.042	0.007	0.013	0.000000	0.000000	-1816.85	168.01
3	GUIDE	114950168	7.86	2531	-0.046	-0.278	0.059	0.097	187.143398	12.117441	-918.84	2013.36
4	GUIDE	114950584	9.20	2530	0.125	-0.128	0.081	0.132	187.487323	11.827248	-1963.38	803.15
5	GUIDE	114952824	8.56	2530	-0.098	-0.157	0.058	0.096	187.703904	12.486727	411.07	43.40
6	GUIDE	114955056	8.34	2529	0.078	0.442	0.066	0.107	187.914001	12.127854	-878.20	-698.08
7	GUIDE	114955568	7.53	2530	-0.059	0.121	0.062	0.106	187.061916	11.826551	-1966.16	2301.20

2.4 Star Slots

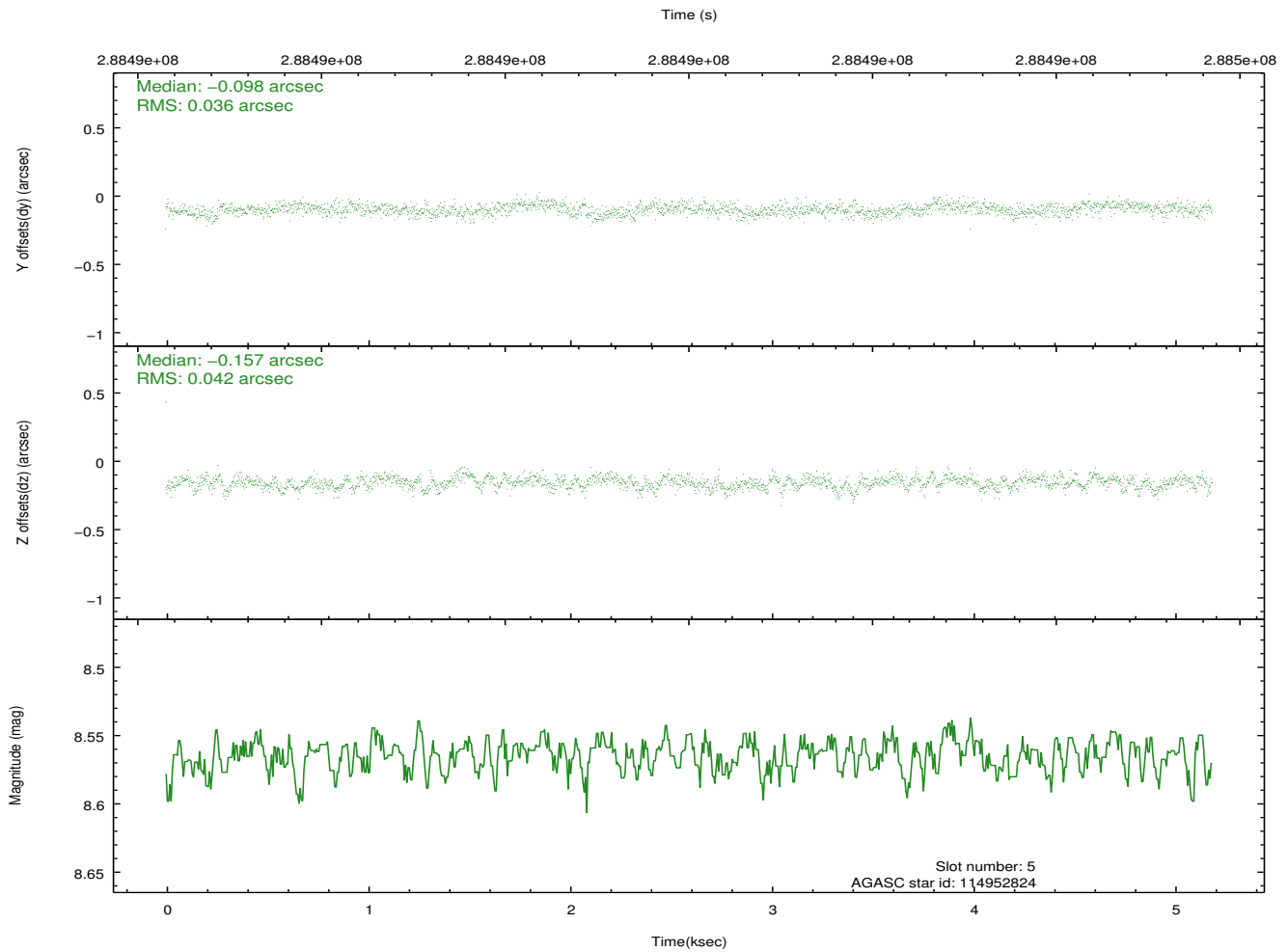
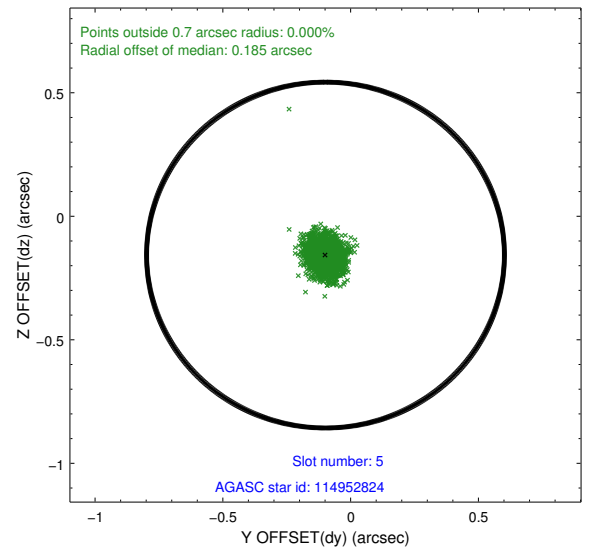
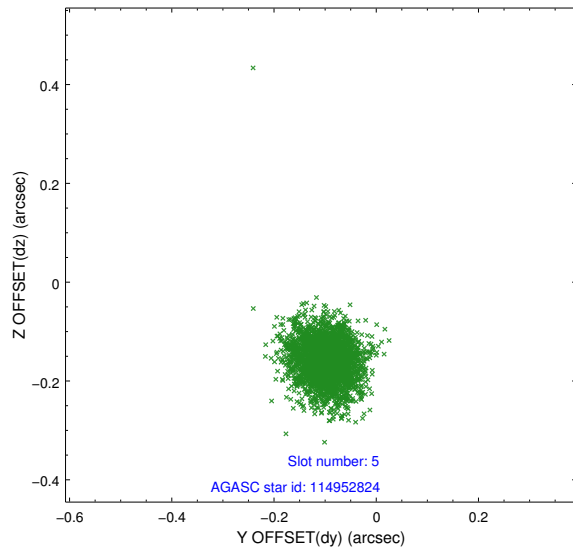
2.4.1 Slot 3



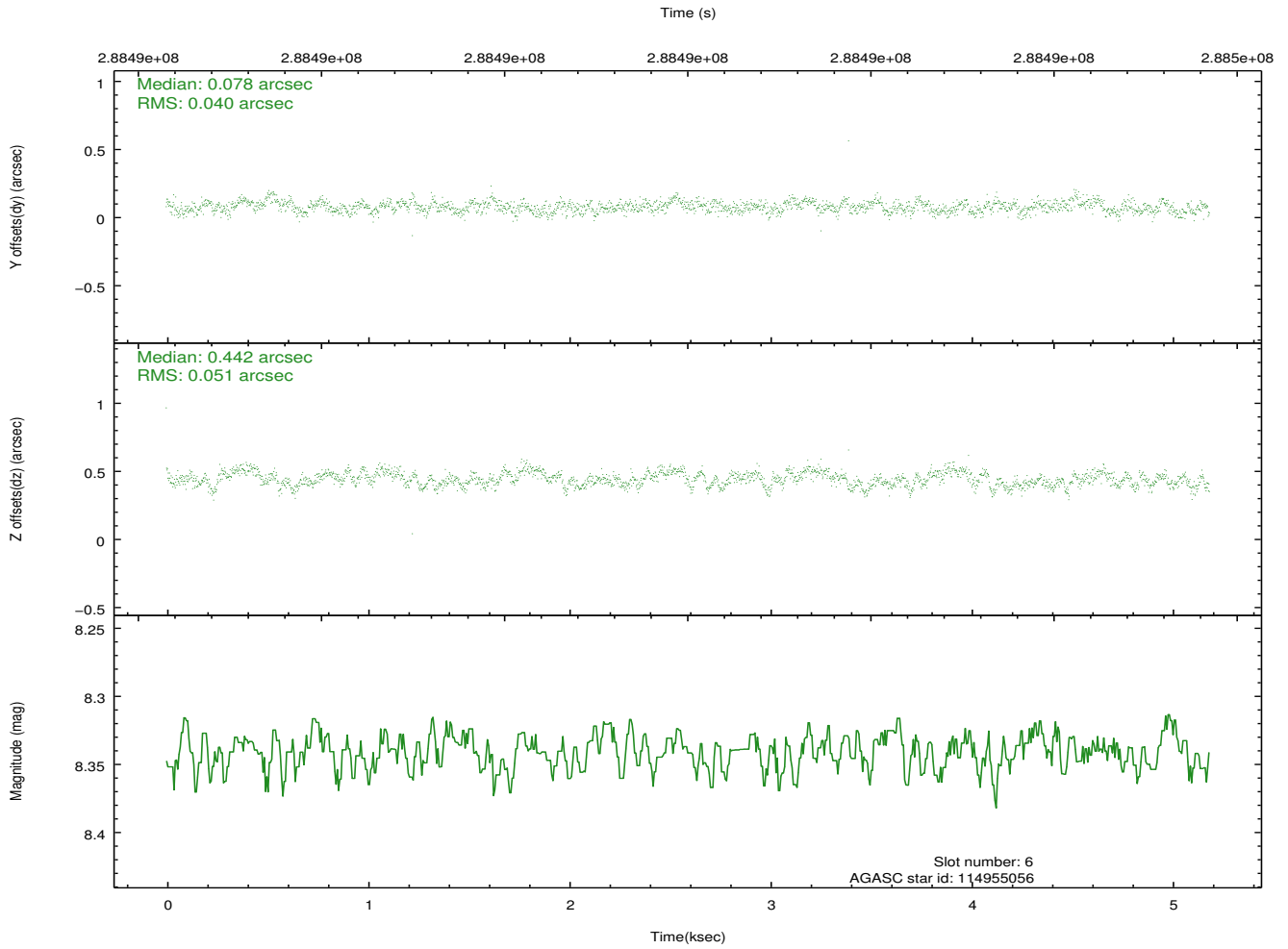
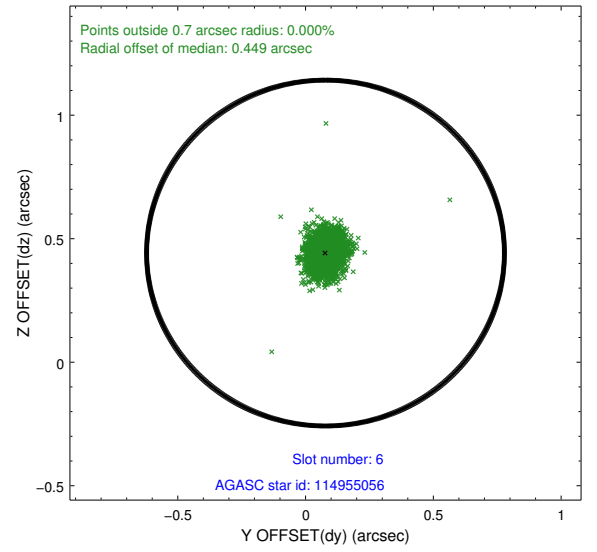
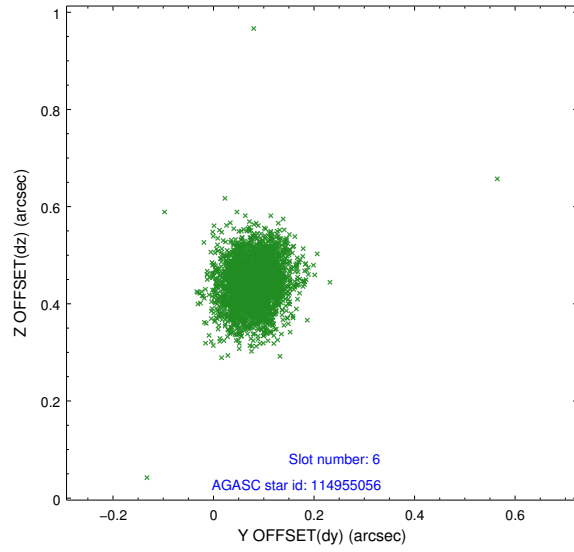
2.4.2 Slot 4



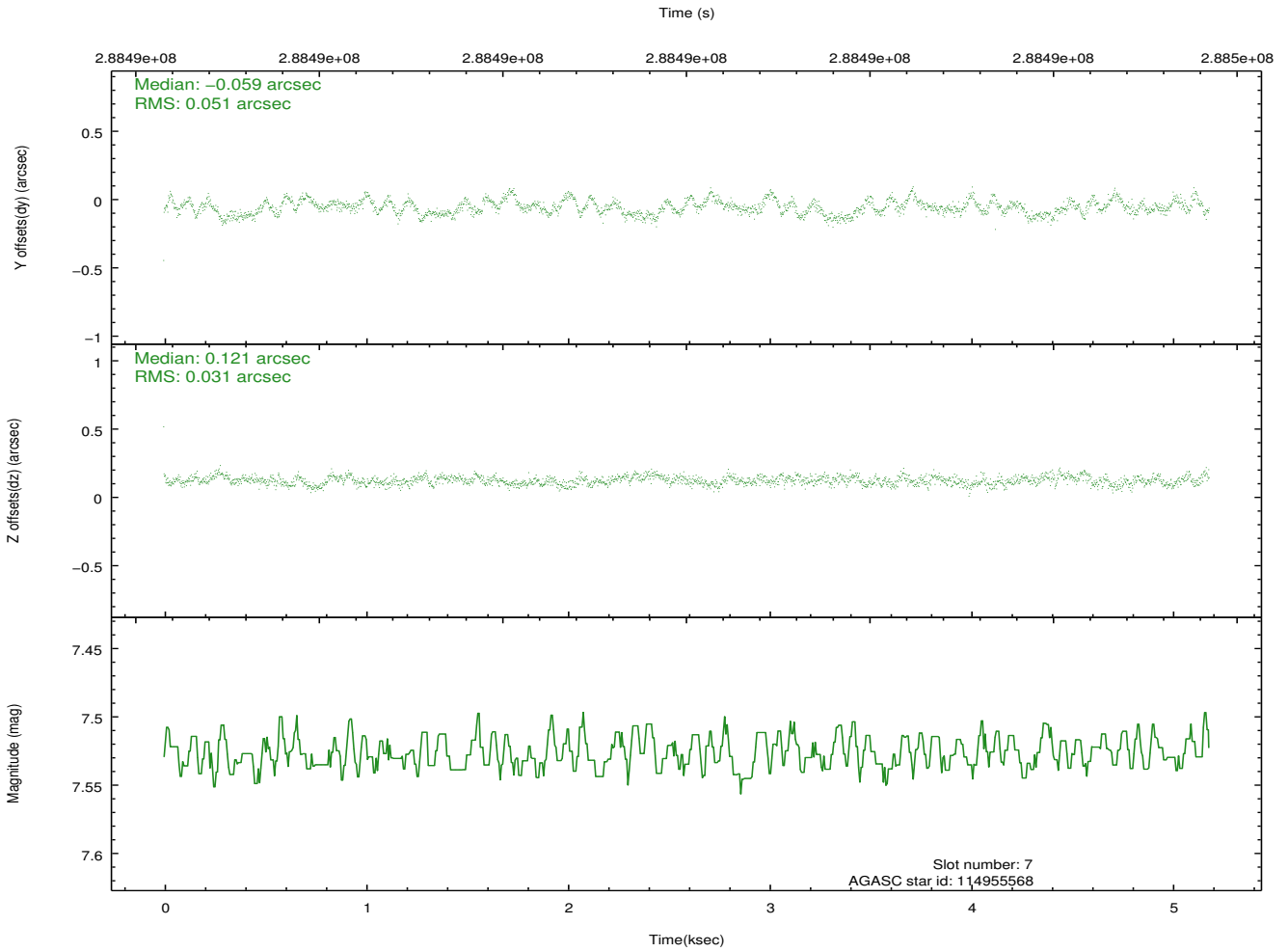
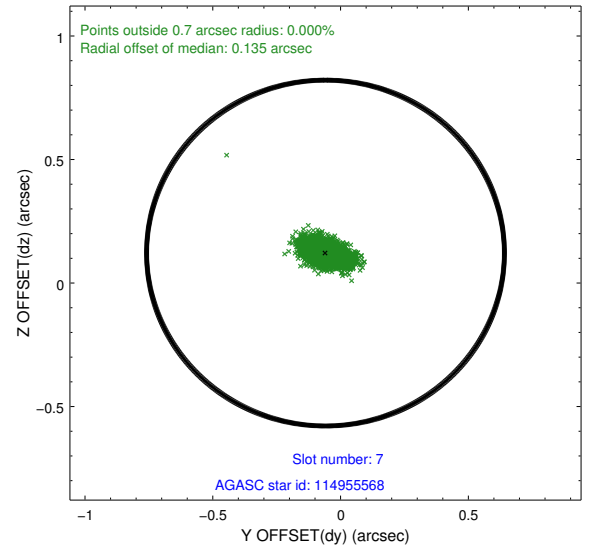
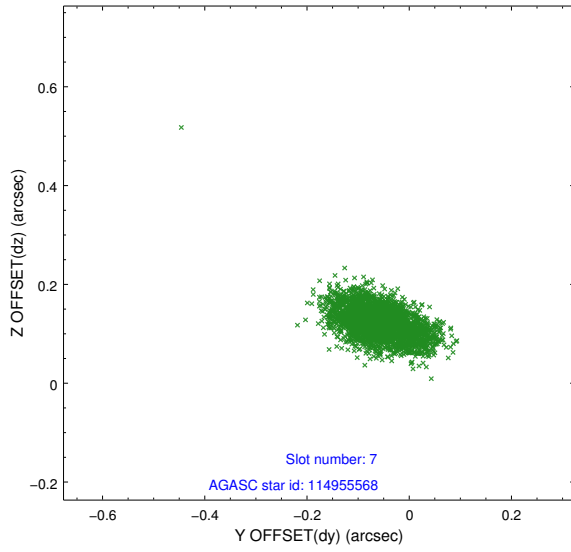
2.4.3 Slot 5



2.4.4 Slot 6

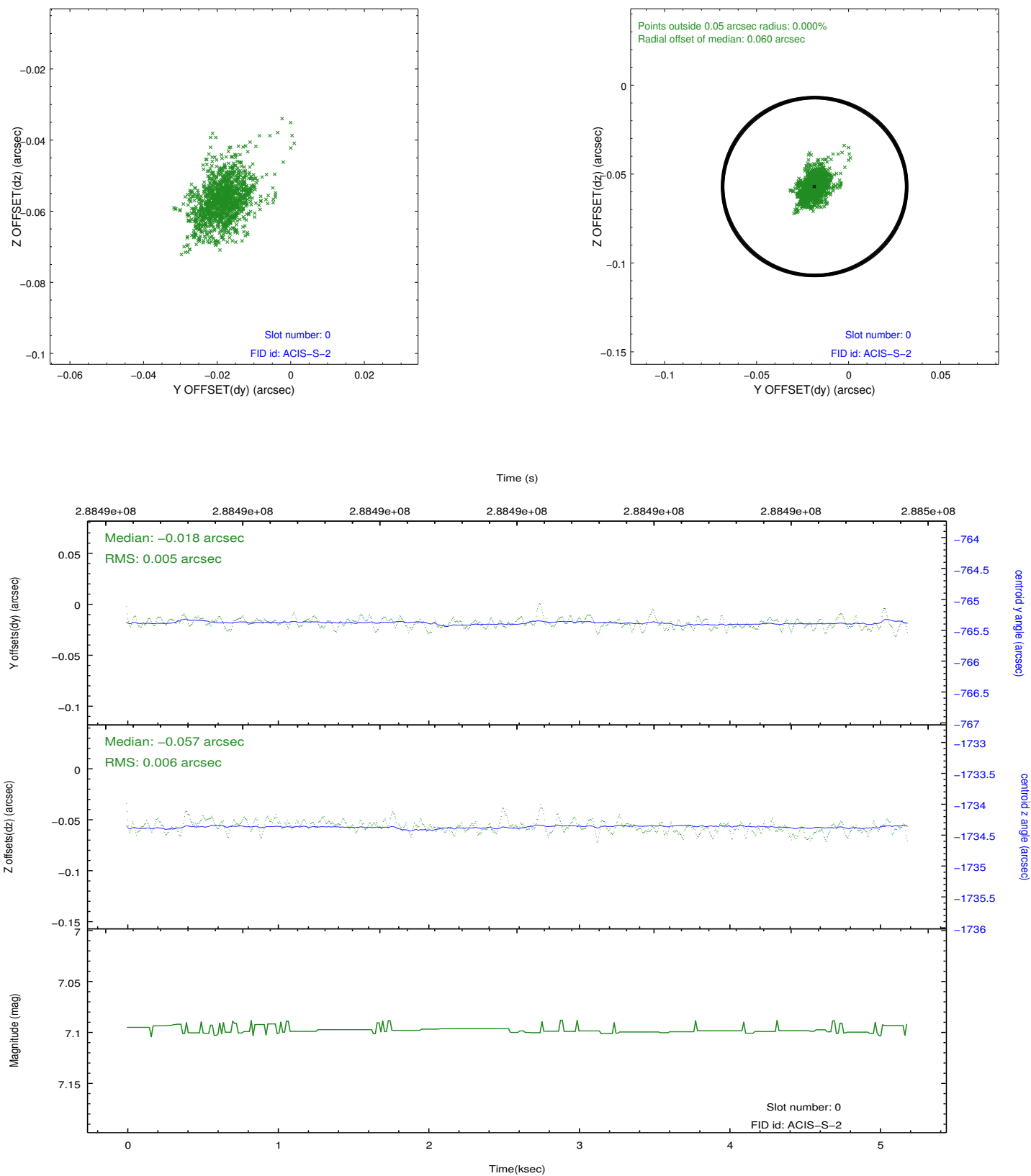


2.4.5 Slot 7

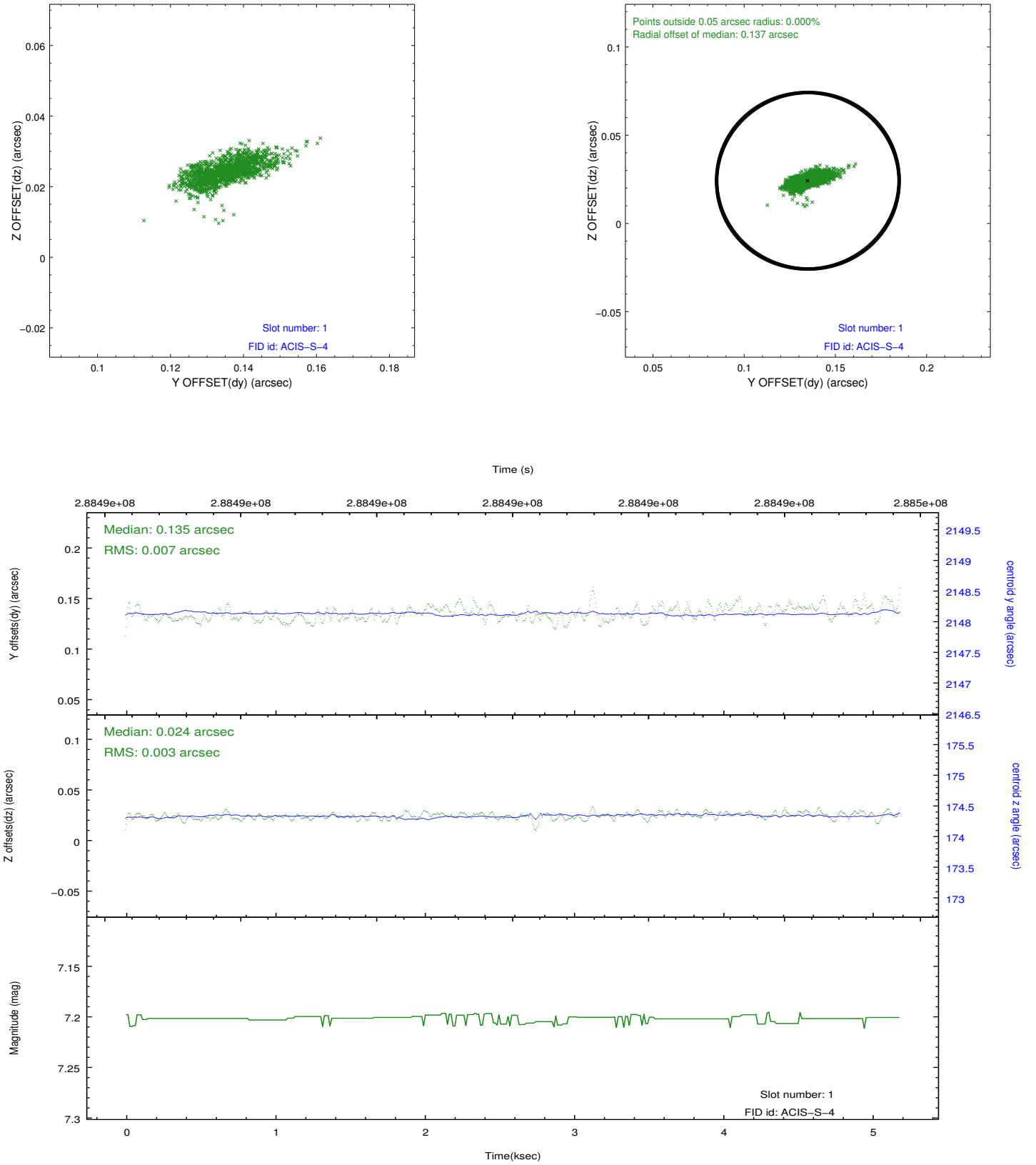


2.5 FID Slots

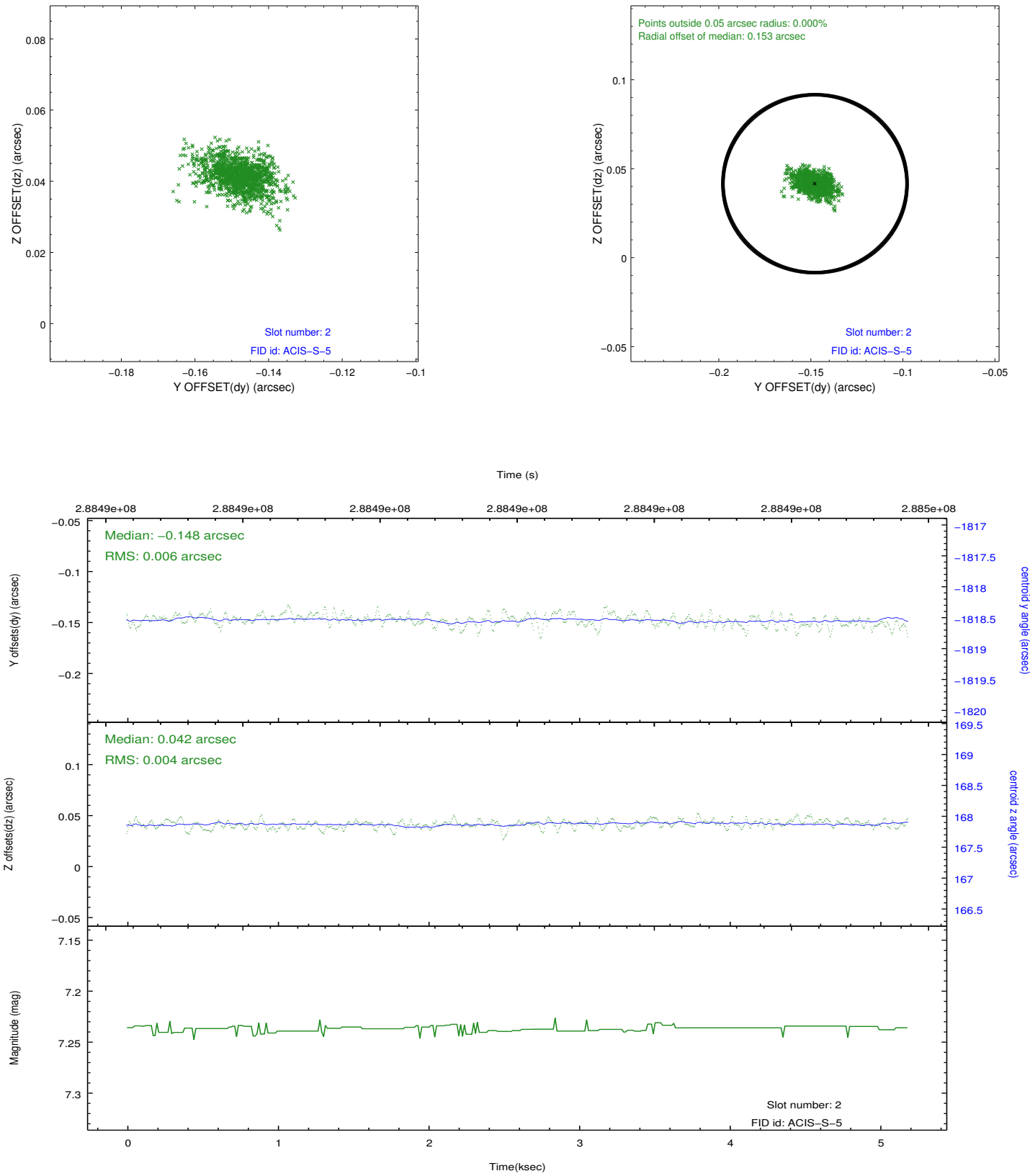
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18559969

A.2 Comments