

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6301 - L2 Version 2
Chandra X-Ray Center

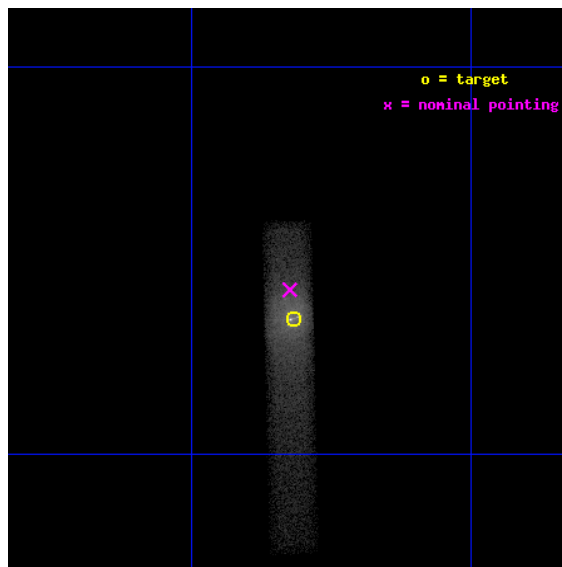
L2 Processing Date : Mar 25 2012

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1 Front

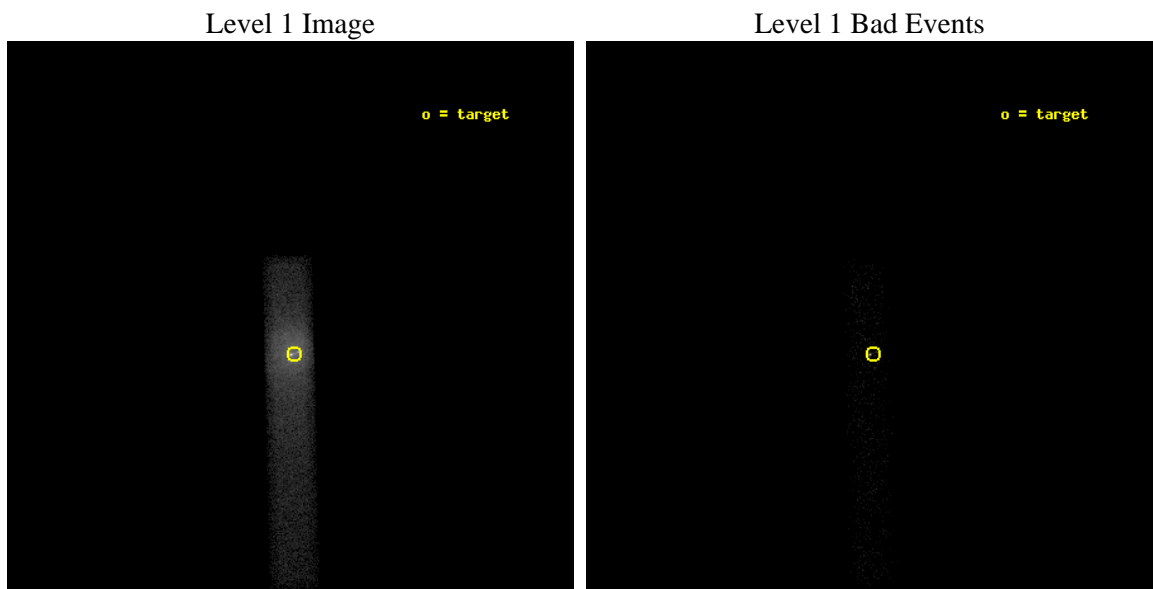
seq_num	701183	Sequence number
obs_id	6301	Observation id
title	HST / Chandra Monitoring of a Dramatic Flare in the M87 Jet	Propos
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70608994319	Nominal RA [deg]
dec_nom	12.403969843503	Nominal Dec [deg]
roll_nom	88.645492764796	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4782.0000712276	Sum of GTIs [s]
livetime	4337.0216499434	Livetime [s]
ontime7	4782.0000712276	Sum of GTIs [s]
l2events	56124	Number of level 2 events



2 OBI

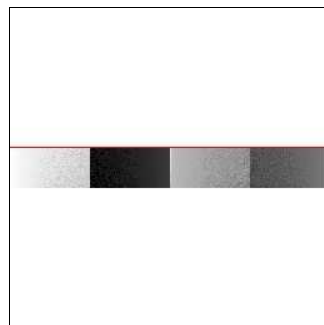
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4659.987000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4782.0000712276	Sum of GTIs [s]
caldsver	4.4.8	 	ontime7	4782.0000712276	Sum of GTIs [s]
date	2012-03-25T17:16:07	Date and time of file creation	l1events	67498	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

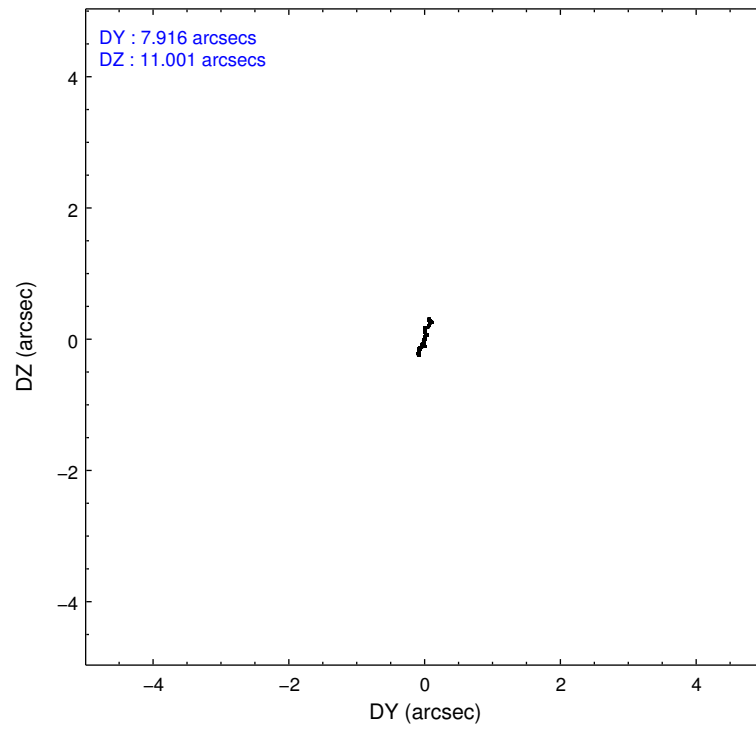
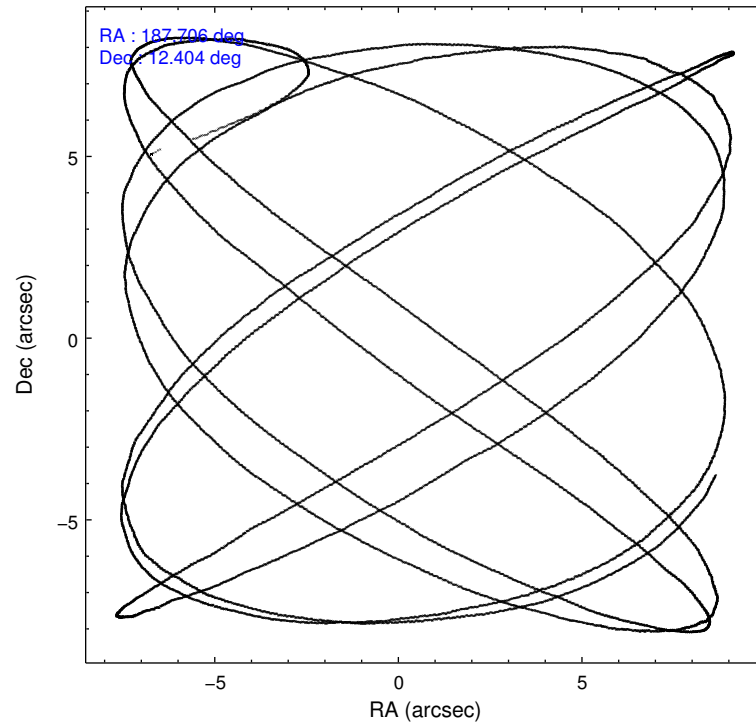
	ccd 7
level 1 events	67498
rejected events	10698
rejected %	15%

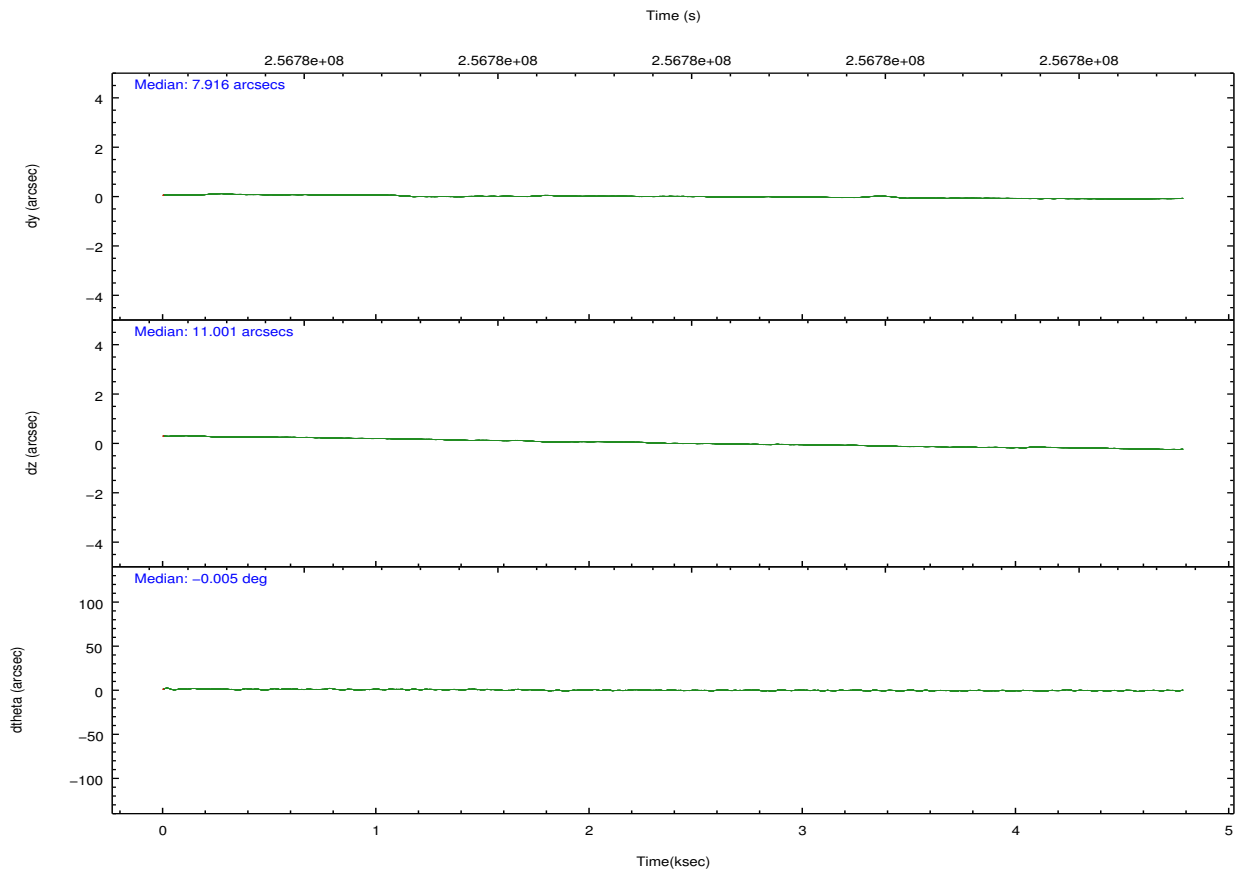
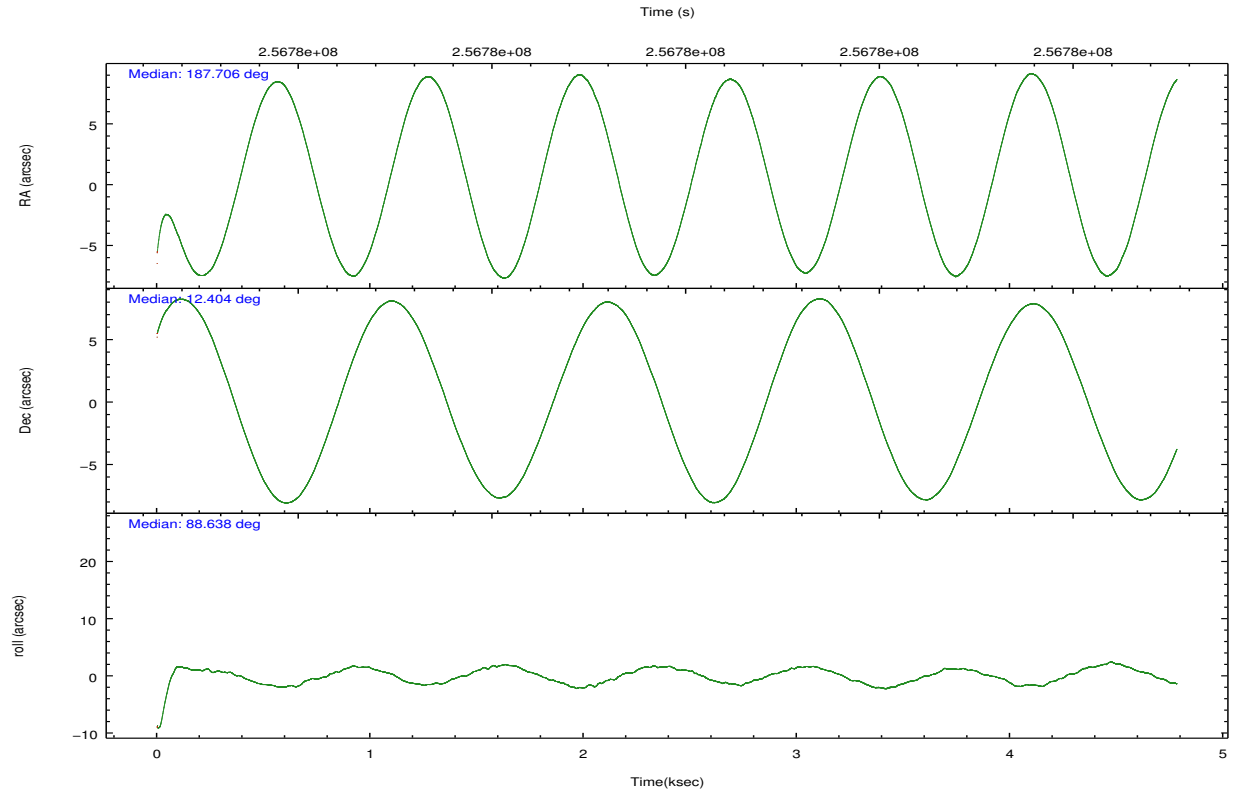
	ccd 7
grade 0 events	18058
	26%
grade 1 events	363
	0%
grade 2 events	15036
	22%
grade 3 events	6980
	10%
grade 4 events	6787
	10%
grade 5 events	2327
	3%
grade 6 events	12507
	18%
grade 7 events	5440
	8%

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	187.719906	187.7060899431898	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.380254	12.40396984350263	Subarray start row	449	449
[deg] Pointing Roll	88.485929	88.64549276479576	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)	256780637.184000	256779391.94125			
Observation start date	2006-02-19T23:56:12	2006-02-19T23:36:31			
[s] Observation end time (MET)	256785297.184000	256785528.61653			
Observation end date	2006-02-20T01:13:52	2006-02-20T01:18:48			
Read mode	TIMED	TIMED			

2.3 Aspect



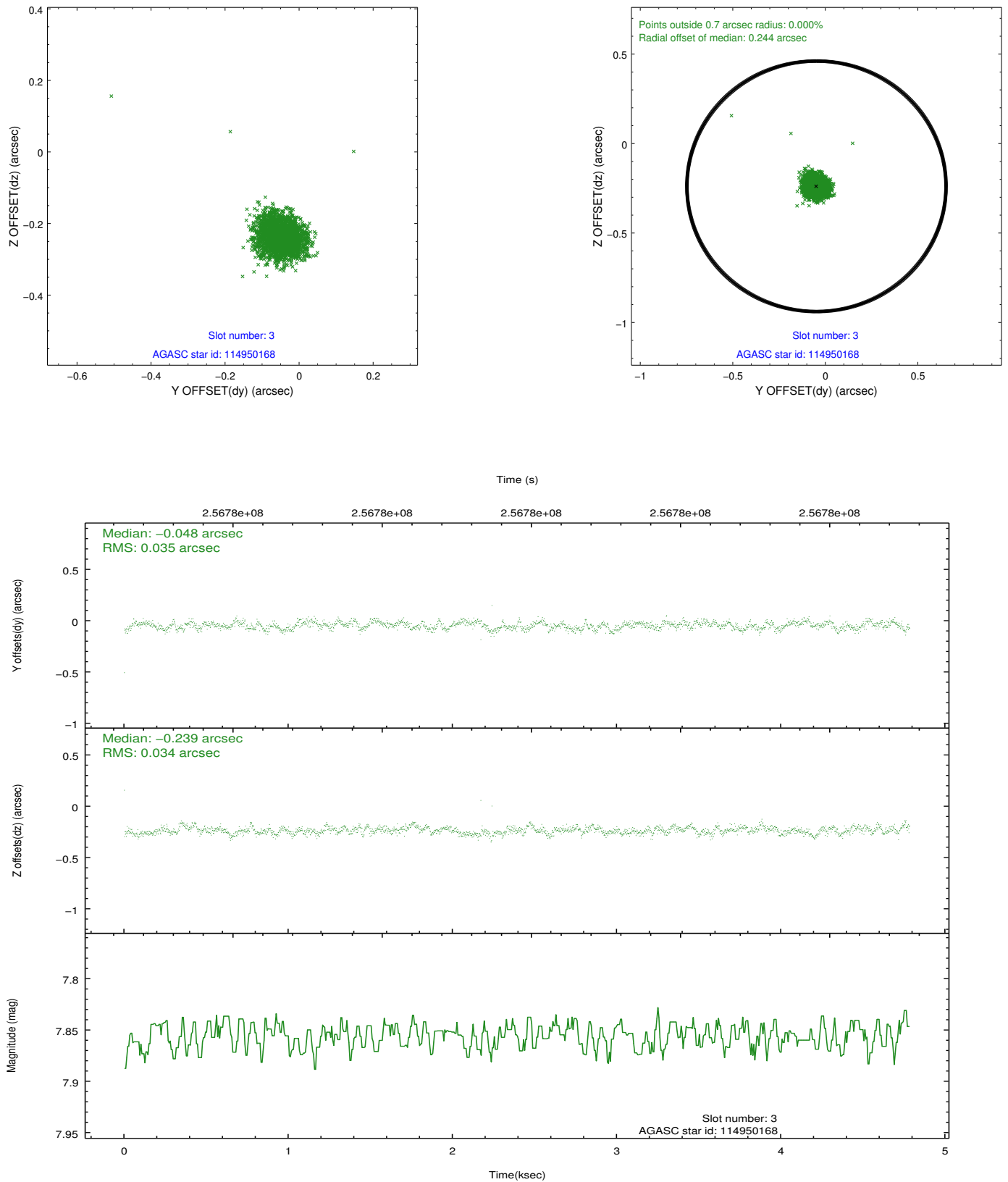


Slot Statistics

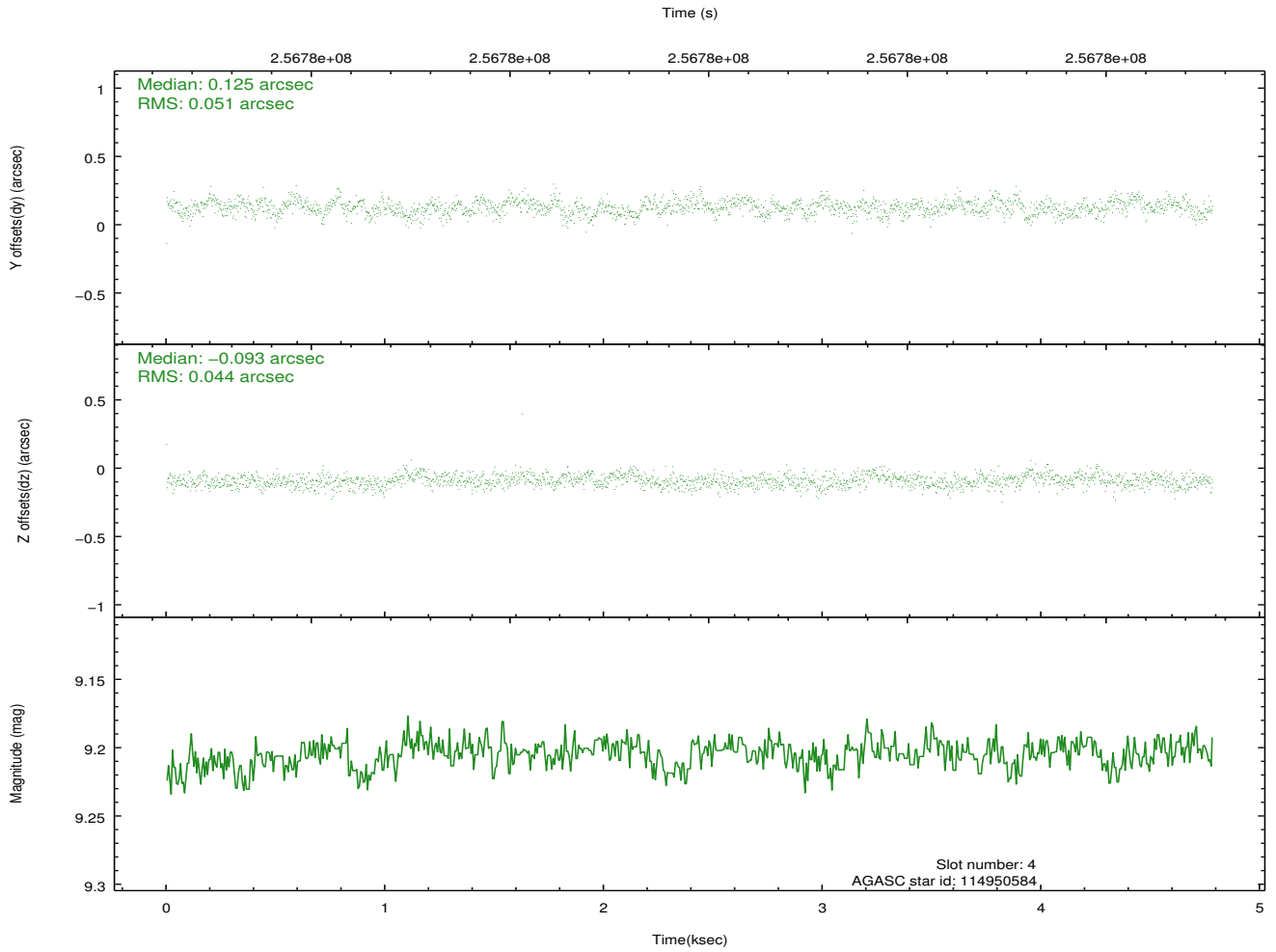
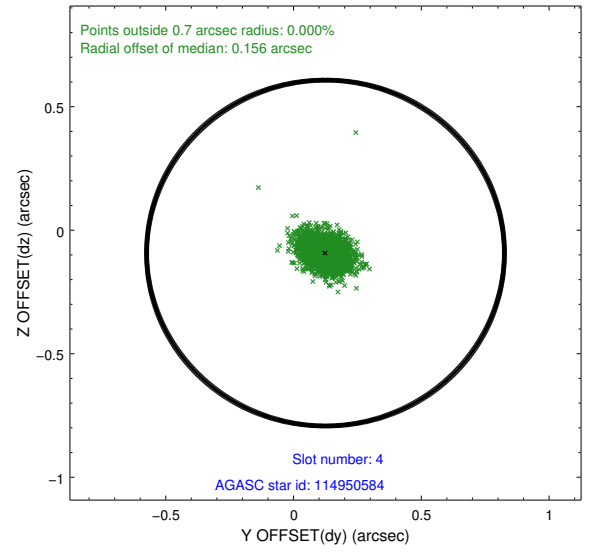
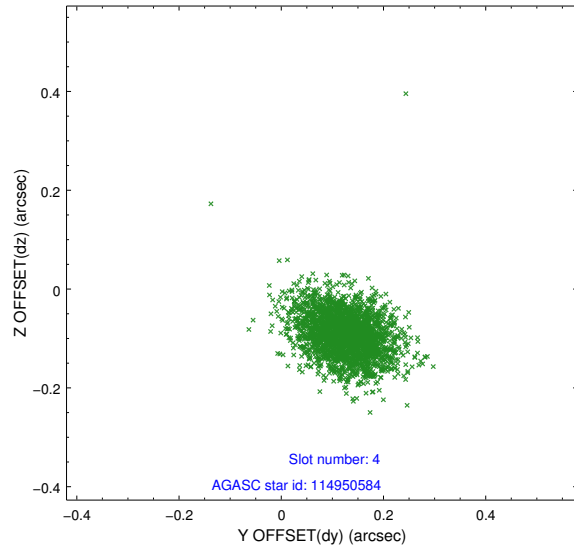
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1167	-0.034	-0.011	0.008	0.013	0.000000	0.000000	-760.69	-1732.32
1	FID	ACIS-S-4	7.21	1167	0.101	0.019	0.006	0.010	0.000000	0.000000	2152.11	174.92
2	FID	ACIS-S-5	7.23	1167	-0.098	-0.000	0.008	0.013	0.000000	0.000000	-1811.98	169.96
3	GUIDE	114950168	7.86	2334	-0.048	-0.239	0.050	0.080	187.143398	12.117441	-997.56	2003.17
4	GUIDE	114950584	9.20	2333	0.125	-0.093	0.069	0.116	187.487323	11.827248	-2011.76	767.39
5	GUIDE	114952824	8.57	2334	-0.079	-0.139	0.061	0.097	187.703904	12.486727	380.82	66.83
6	GUIDE	114955056	8.33	2334	0.048	0.386	0.068	0.108	187.914001	12.127854	-889.59	-706.53
7	GUIDE	114955568	7.52	2333	-0.049	0.083	0.057	0.093	187.061916	11.826551	-2051.74	2264.79

2.4 Star Slots

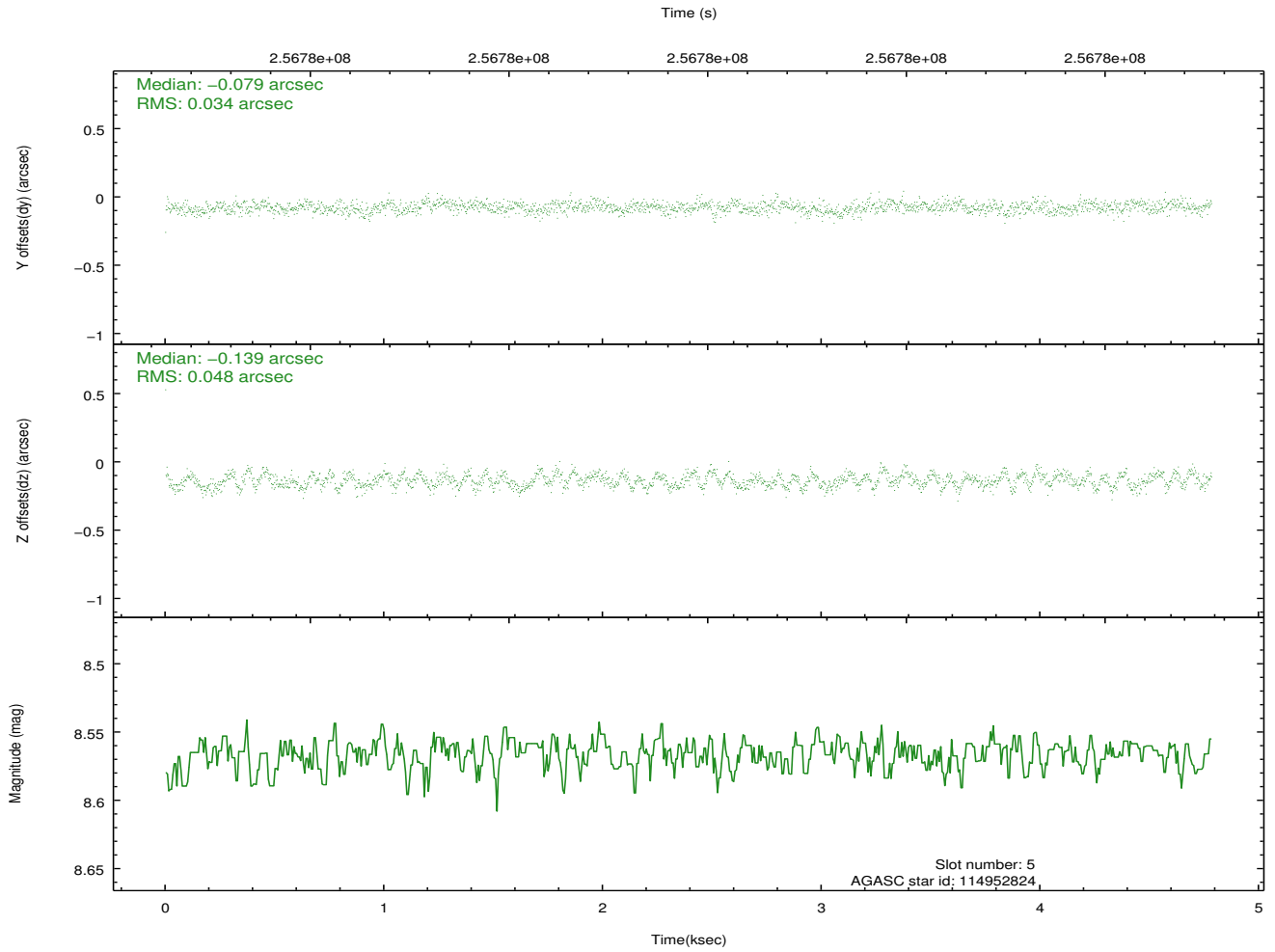
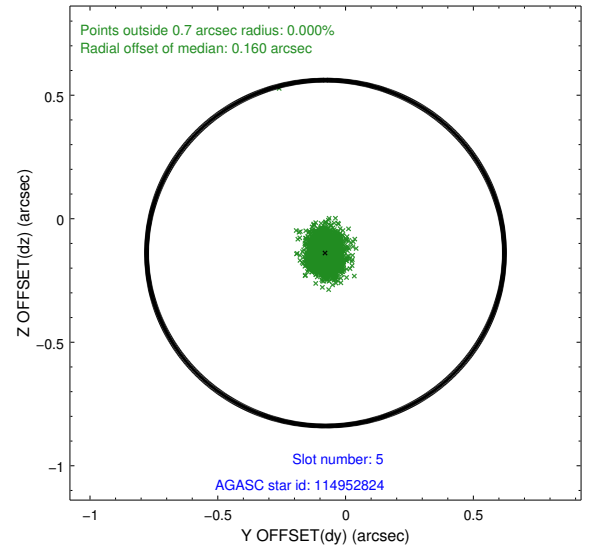
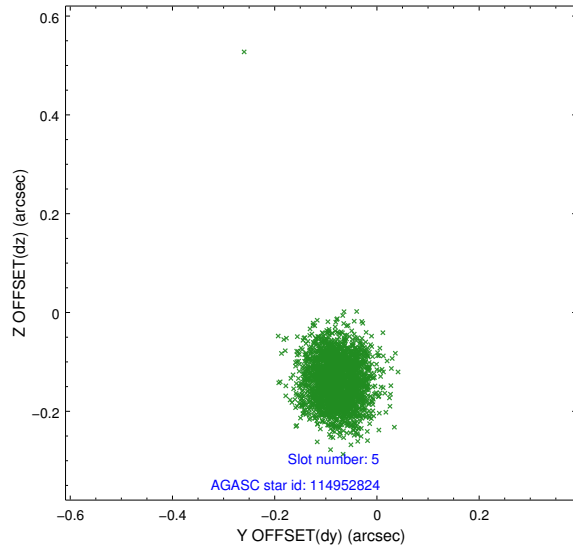
2.4.1 Slot 3



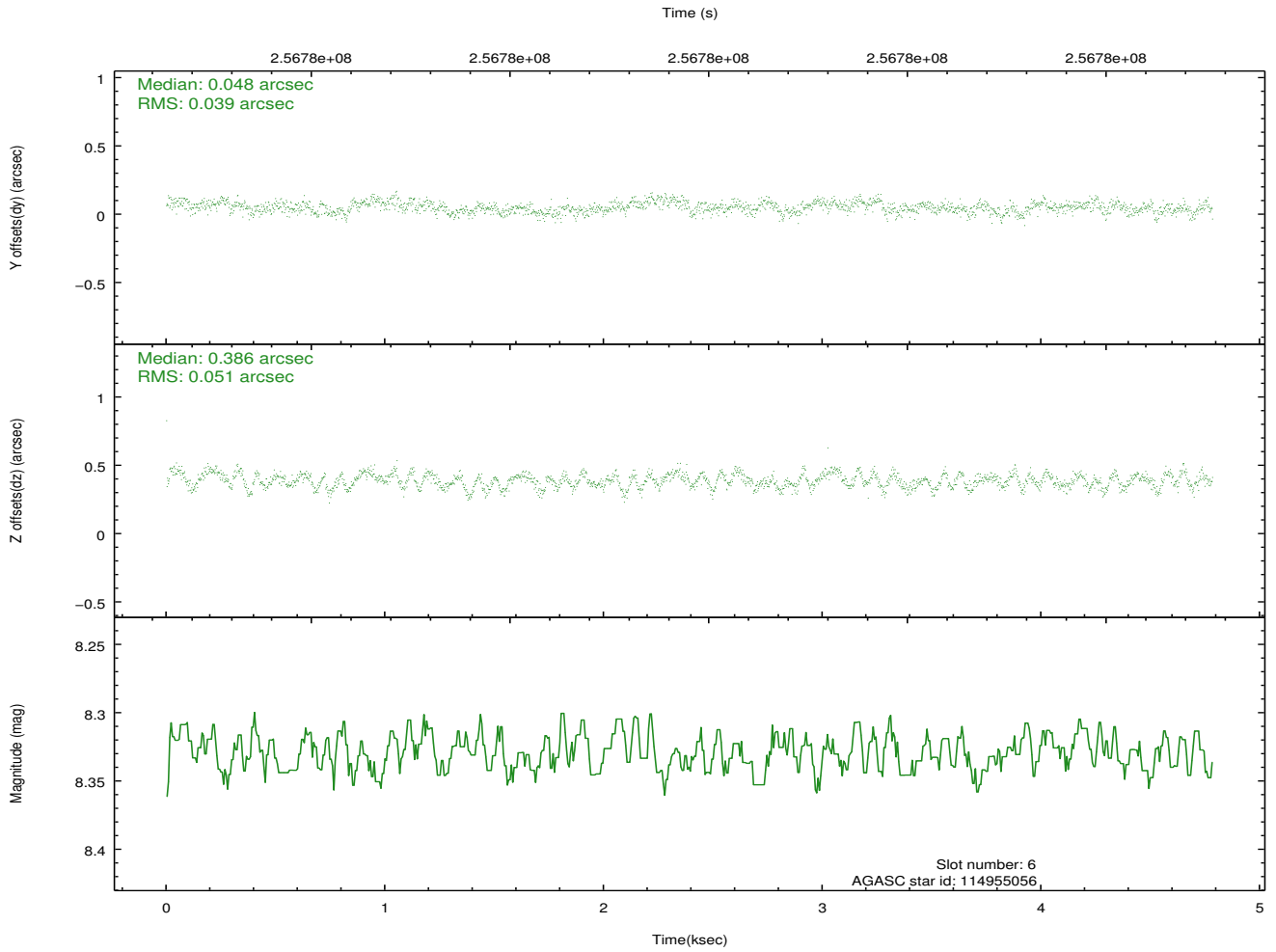
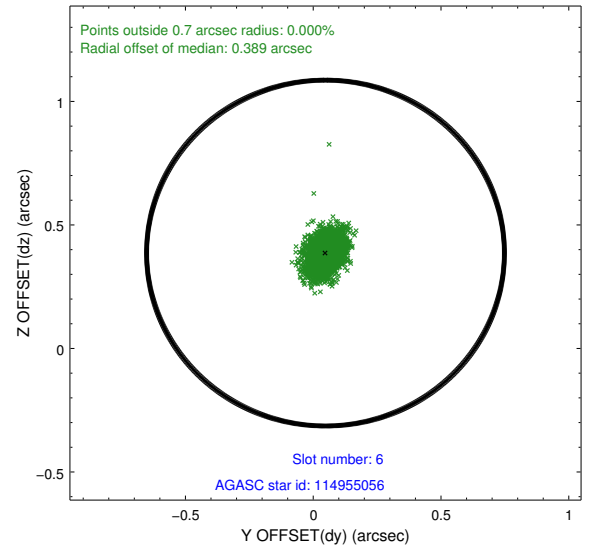
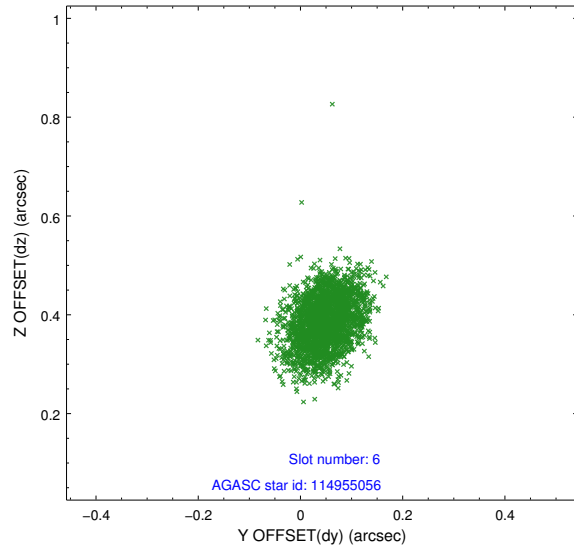
2.4.2 Slot 4



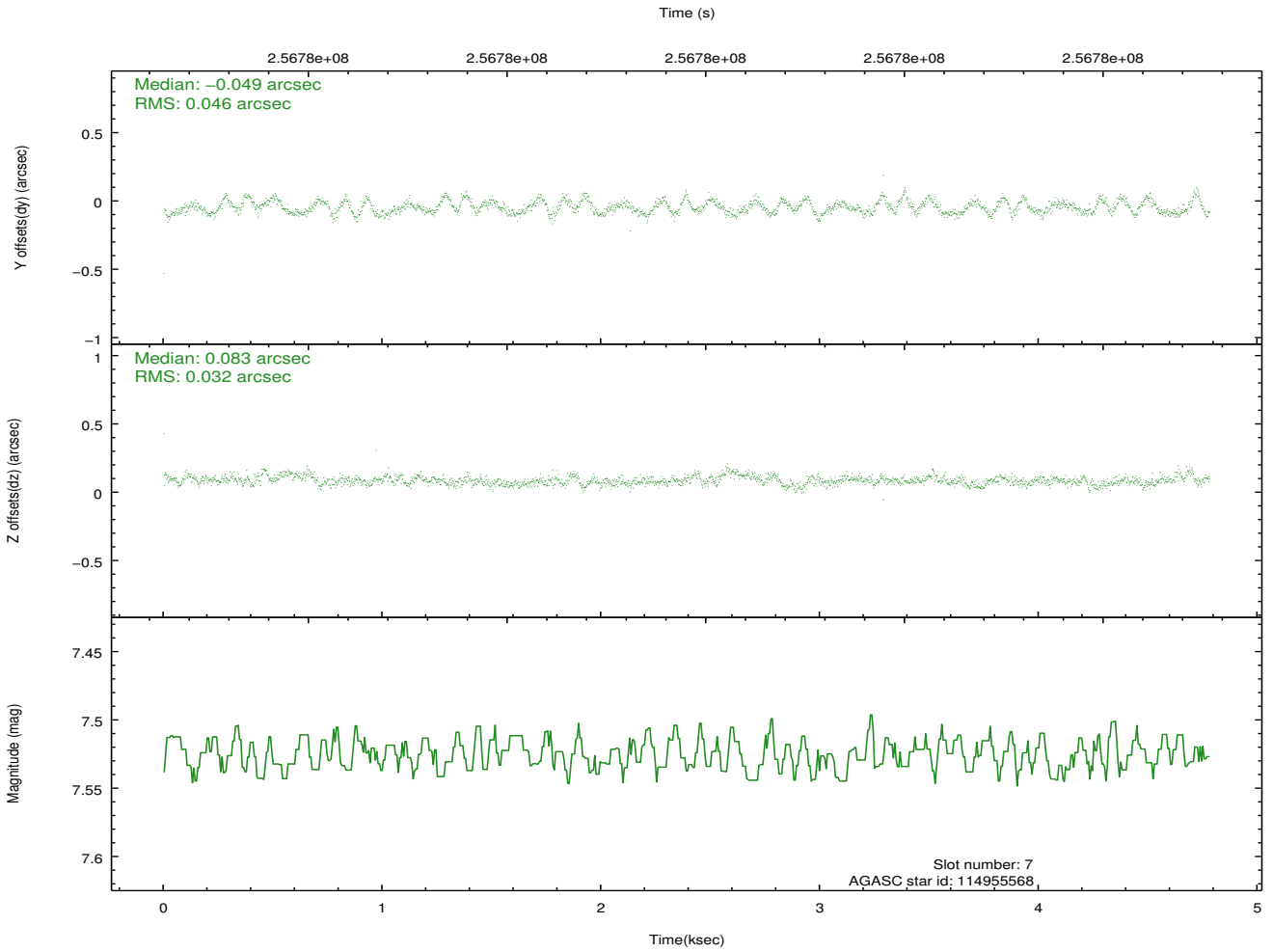
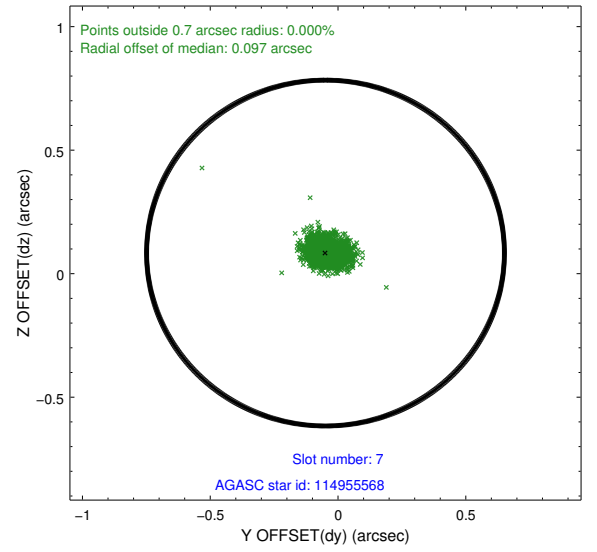
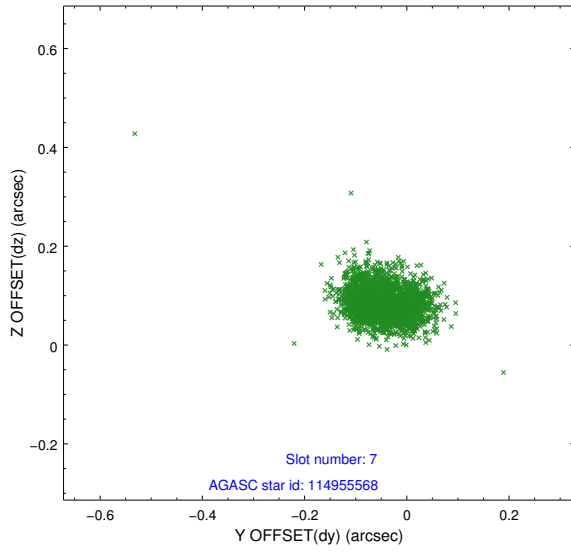
2.4.3 Slot 5



2.4.4 Slot 6

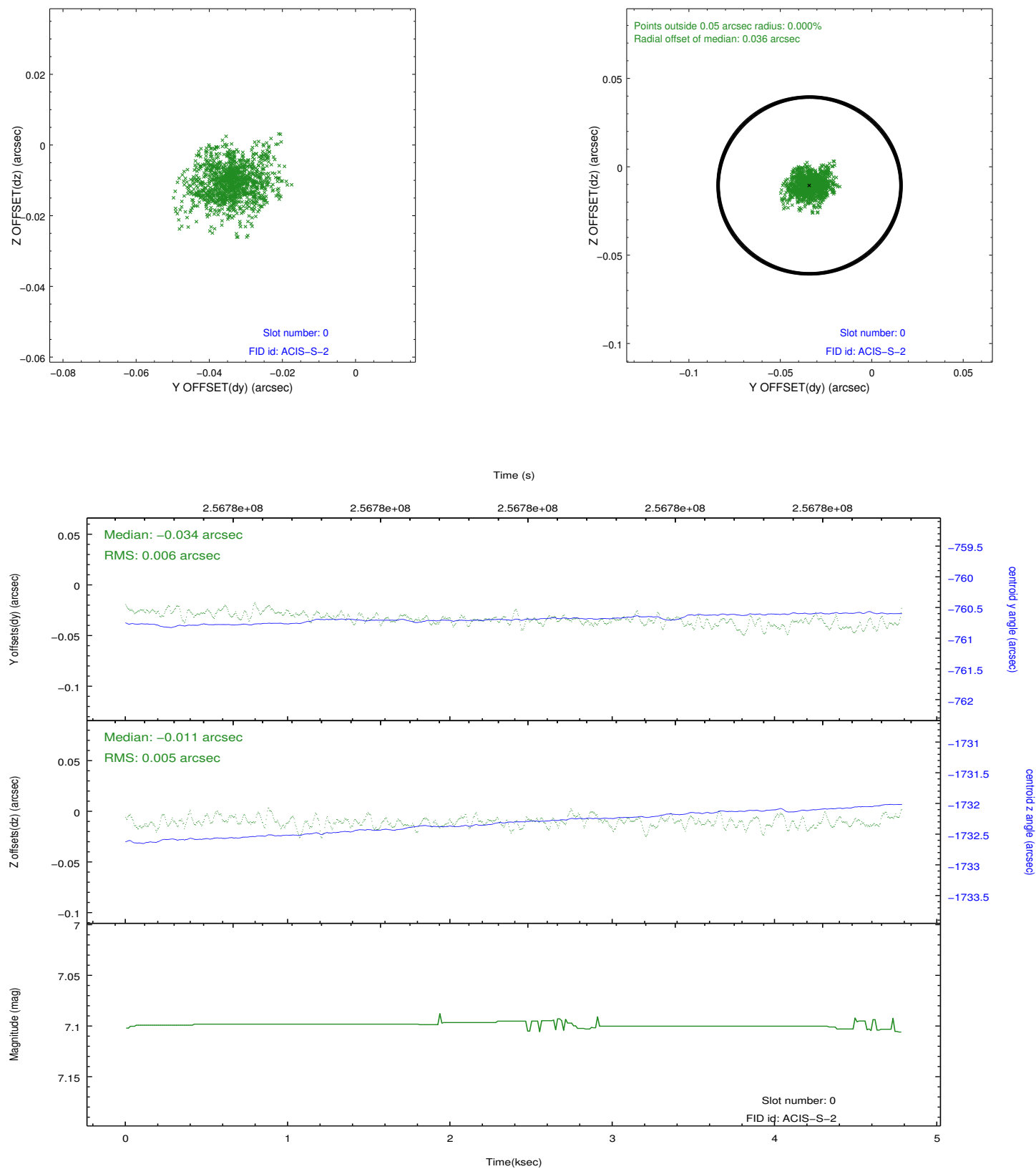


2.4.5 Slot 7

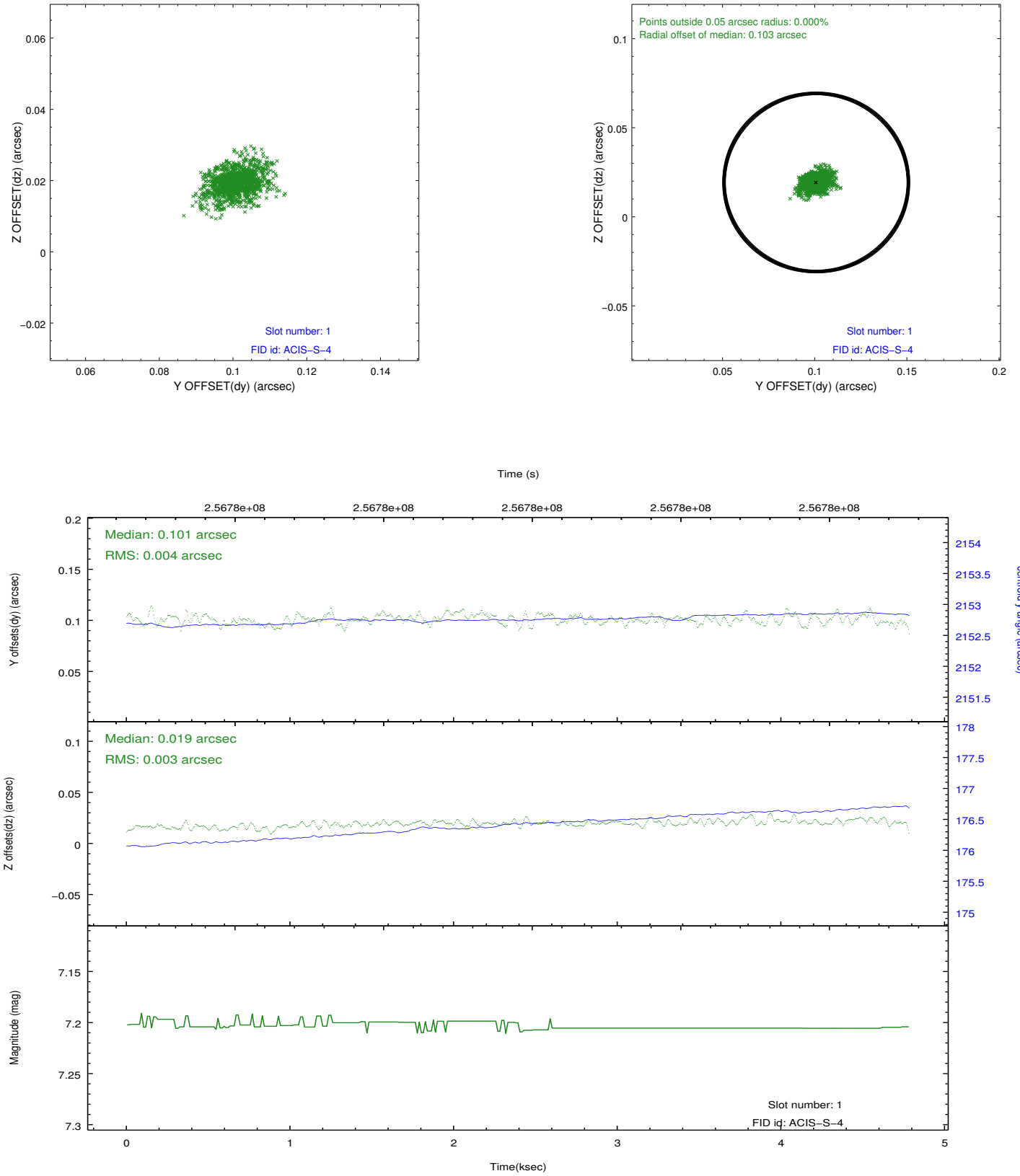


2.5 FID Slots

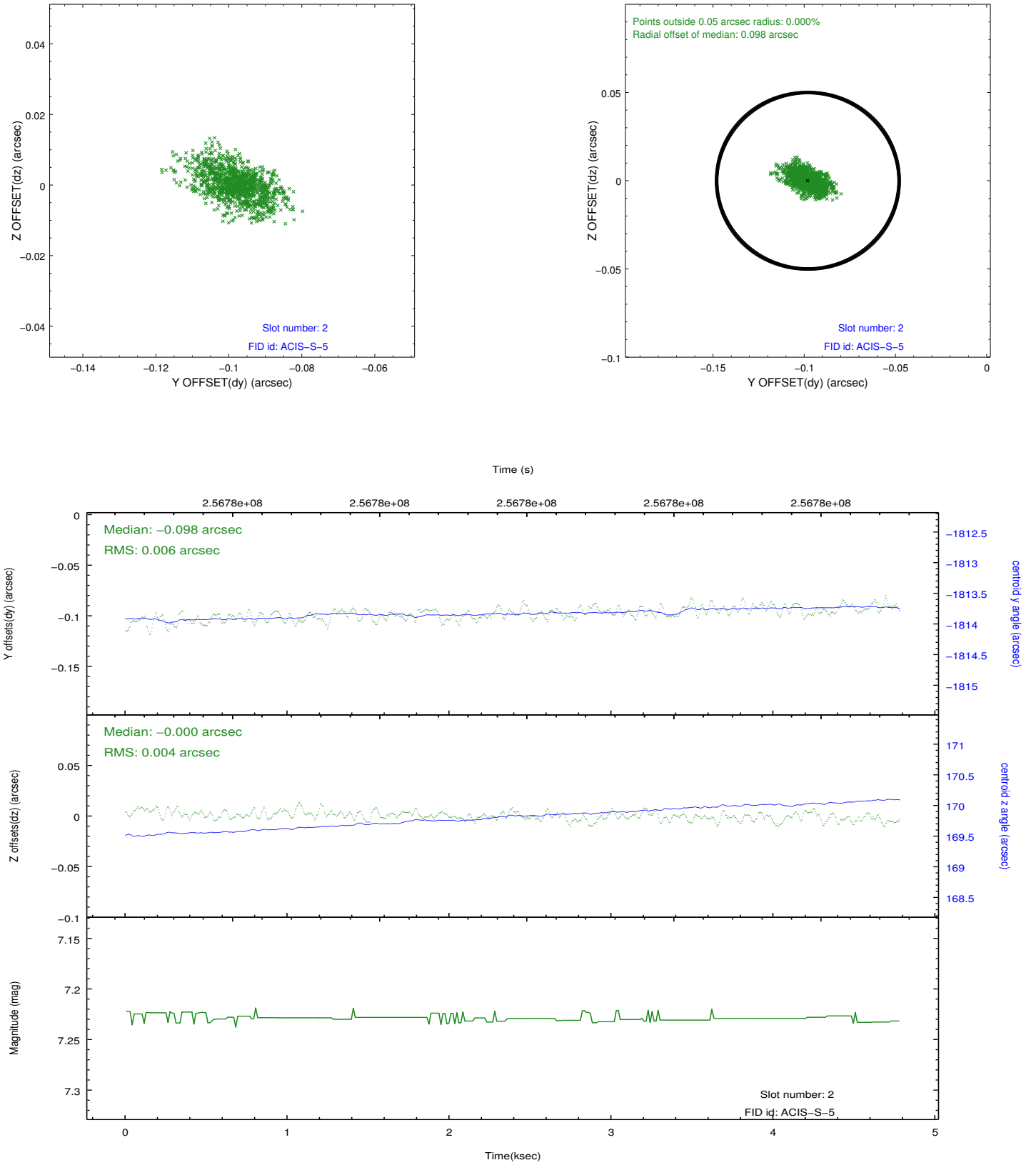
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.78200007

A.2 Comments

Events were collected during the slew to the target. This is not the usual configuration. The events collected during the slew are present in the Level 1 event files, but with unrealistic chip locations. These events have been removed in the Level 2 event file, which only includes events collected when the telescope is in Kalman lock.