

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10284 - L2 Version 2
Chandra X-Ray Center

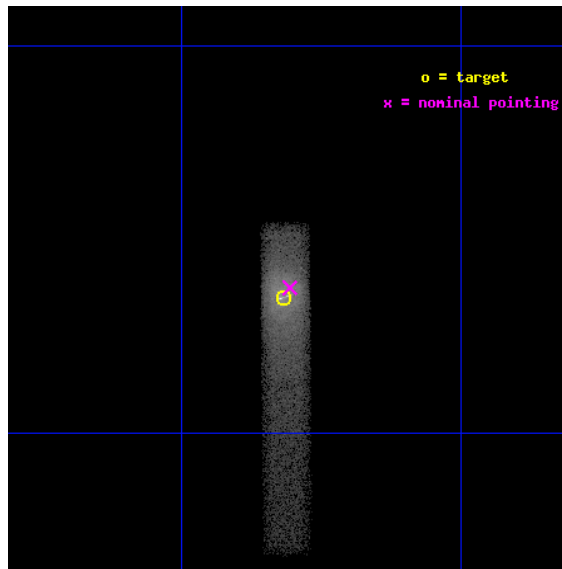
L2 Processing Date : May 31 2012

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1 Front

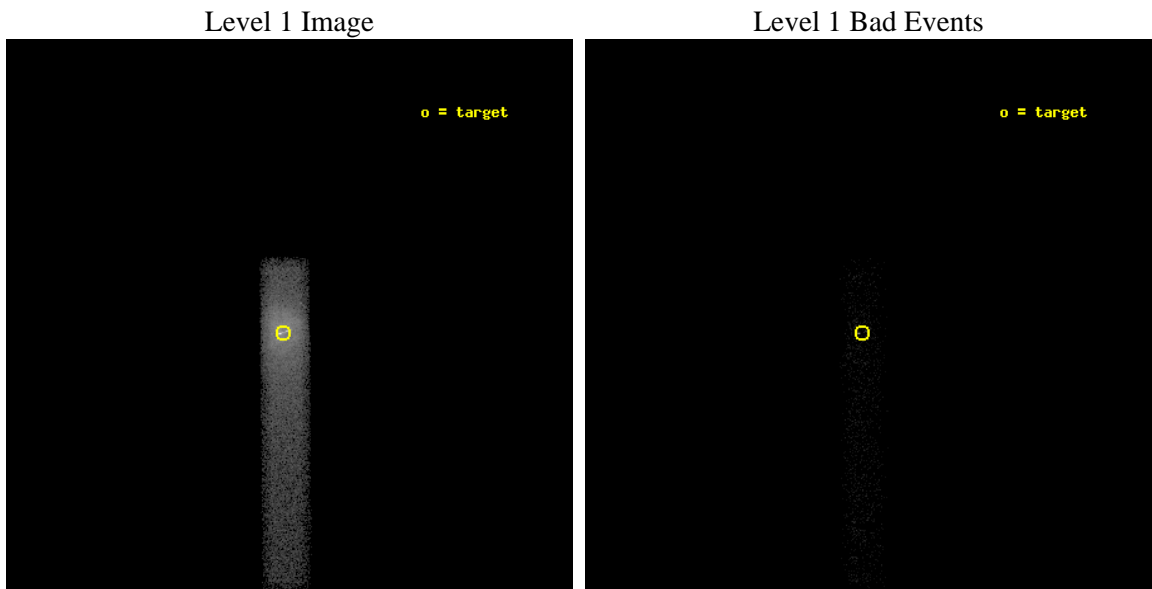
seq_num	701827	Sequence number
obs_id	10284	Observation id
title	Tracking the Aftermath of the Giant Flare in the M87 Jet	Proposal
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70157145403	Nominal RA [deg]
dec_nom	12.395829535756	Nominal Dec [deg]
roll_nom	89.576372981635	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5181.5996911526	Sum of GTIs [s]
livetime	4699.437412618	Livetime [s]
ontime7	5181.5996911526	Sum of GTIs [s]
l2events	51235	Number of level 2 events



2 OBI

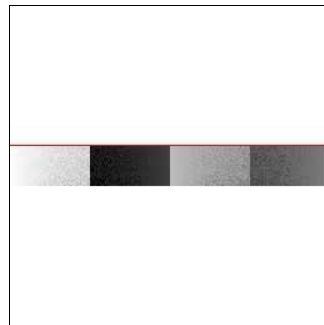
2.1 OBI

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	5181.5996911526	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	5181.5996911526	Sum of GTIs [s]
date	2012-05-31T14:12:18	Date and time of file creation	l1events	59493	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

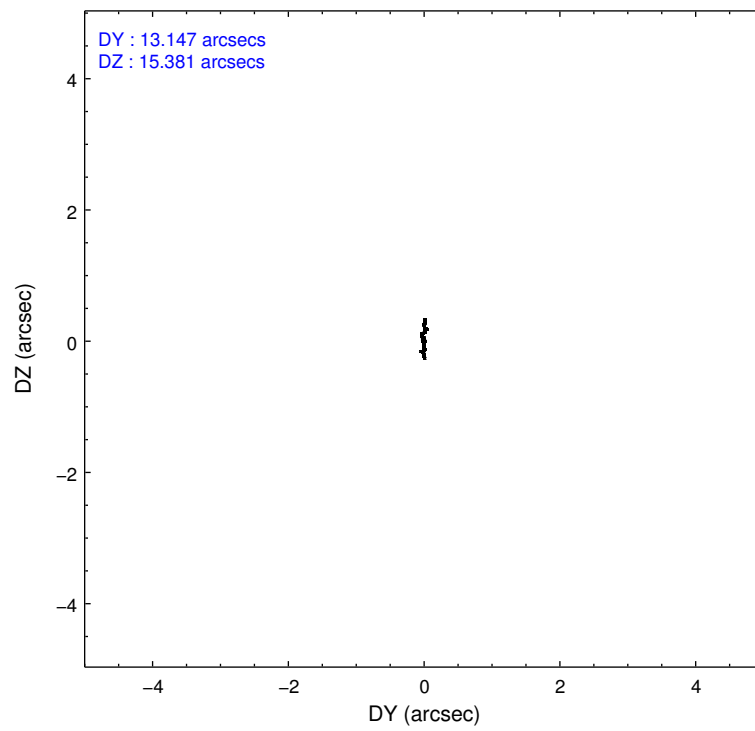
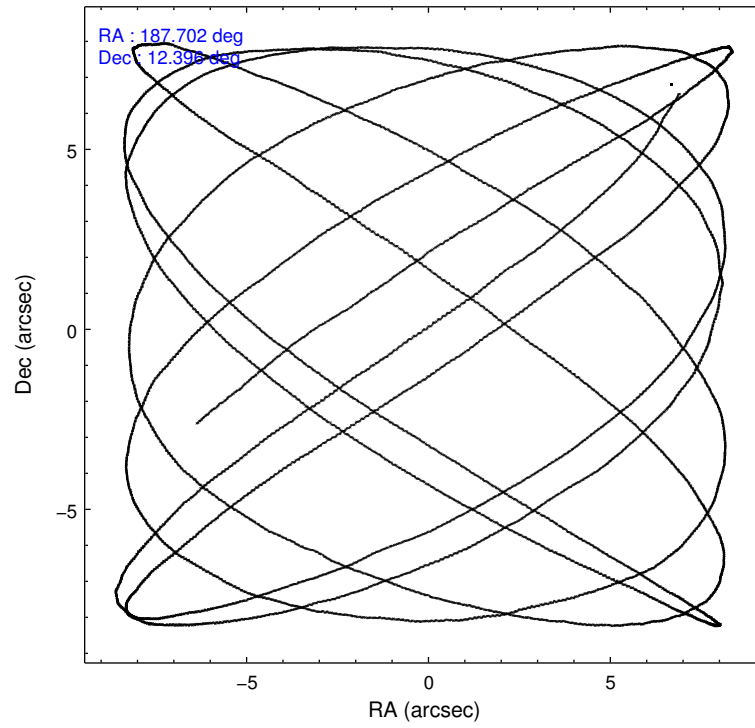
	ccd 7
level 1 events	59493
rejected events	7609
rejected %	12%

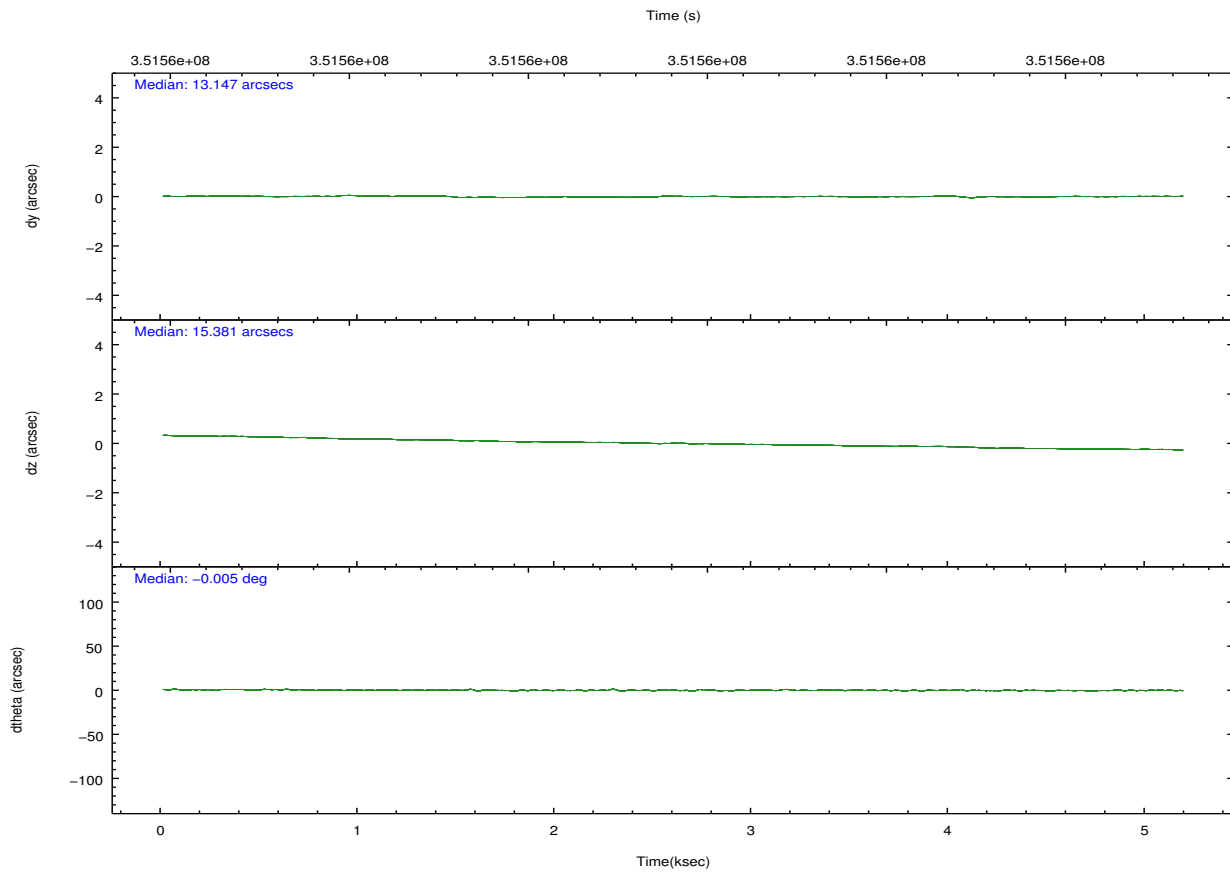
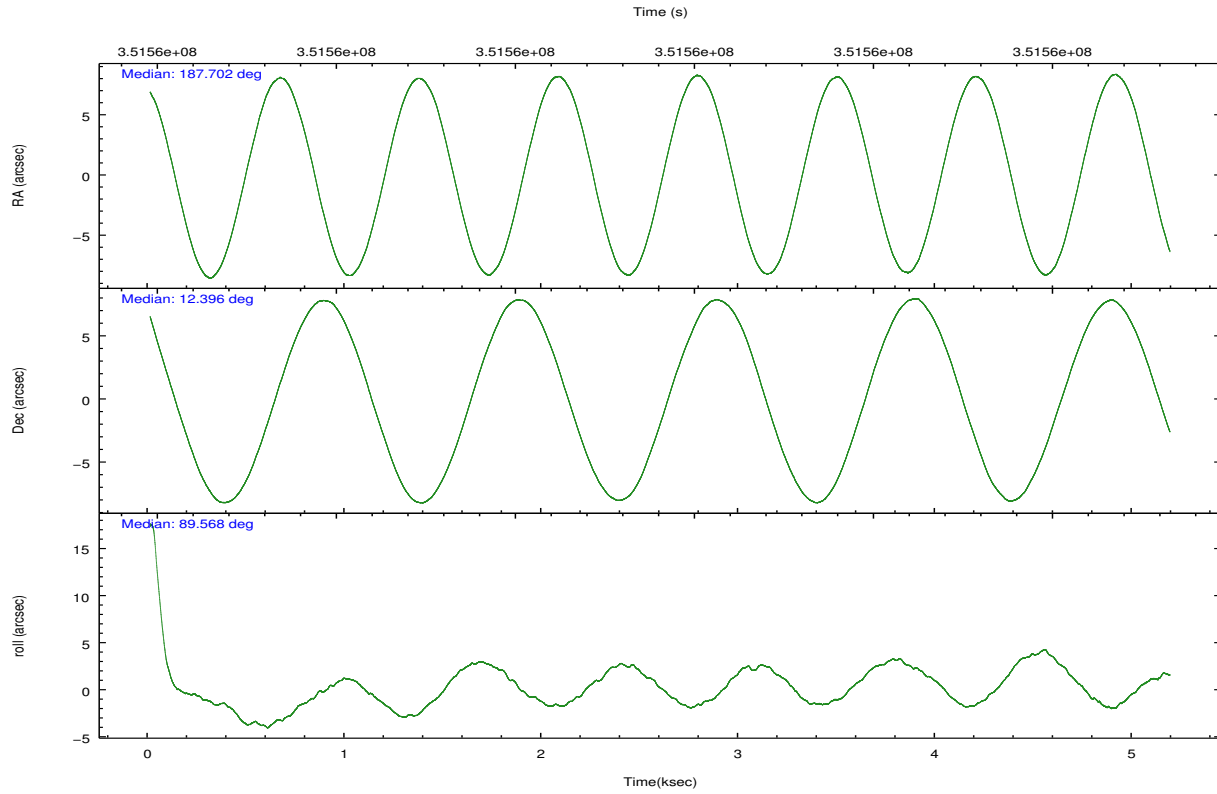
	ccd 7
grade 0 events	15910
	26%
grade 1 events	63
	0%
grade 2 events	13832
	23%
grade 3 events	6334
	10%
grade 4 events	6167
	10%
grade 5 events	1336
	2%
grade 6 events	11175
	18%
grade 7 events	4676
	7%

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	187.715740	187.7015714540293	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.372224	12.39582953575579	Subarray start row	449	449
[deg] Pointing Roll	89.416699	89.57637298163462	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)	351557414.184000	351556687.51569			
Observation start date	2009-02-20T22:49:08	2009-02-20T22:38:07			
[s] Observation end time (MET)	351562414.184000	351562621.75348			
Observation end date	2009-02-21T00:12:28	2009-02-21T00:17:01			
Read mode	TIMED	TIMED			

2.3 Aspect



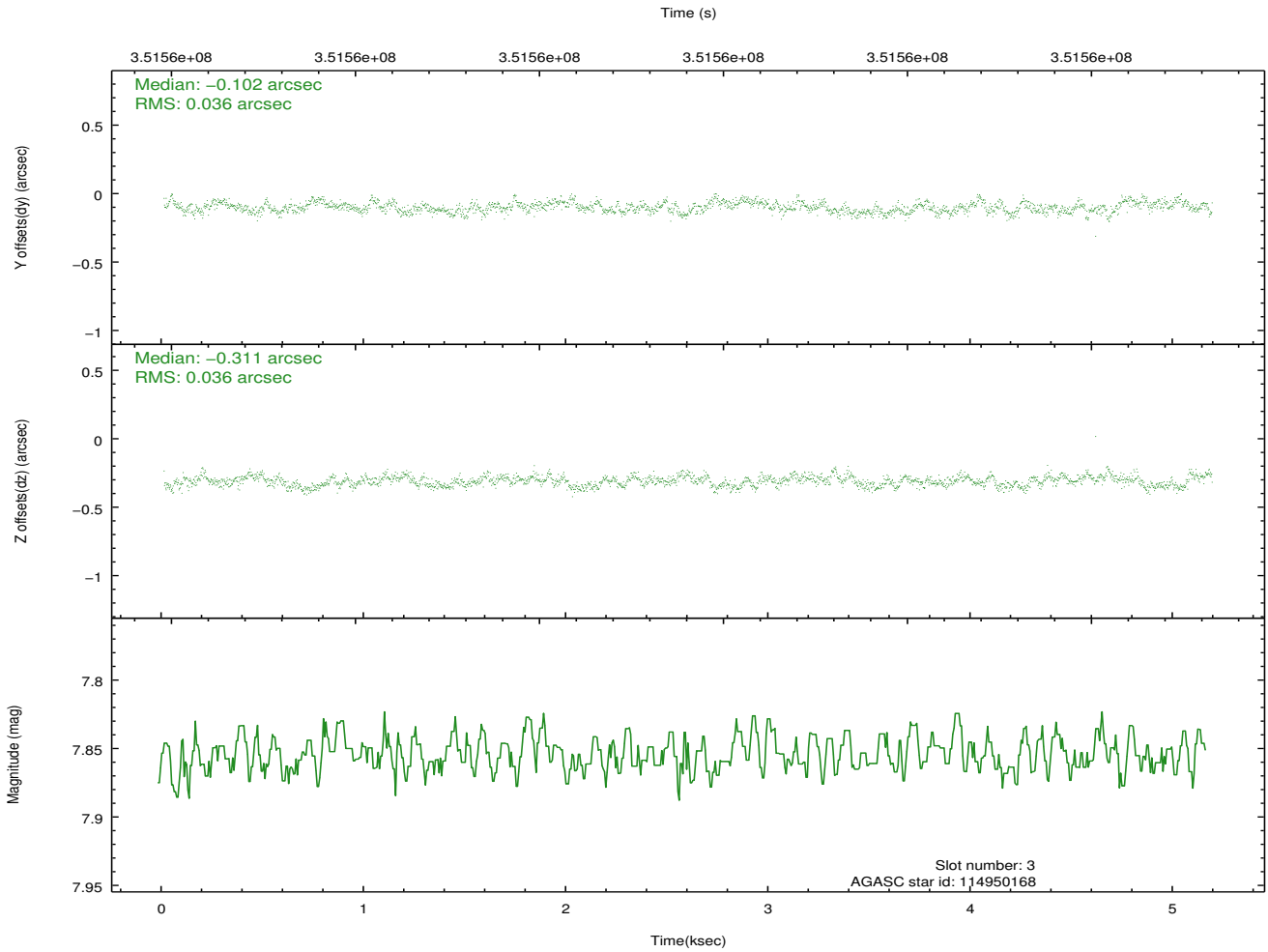
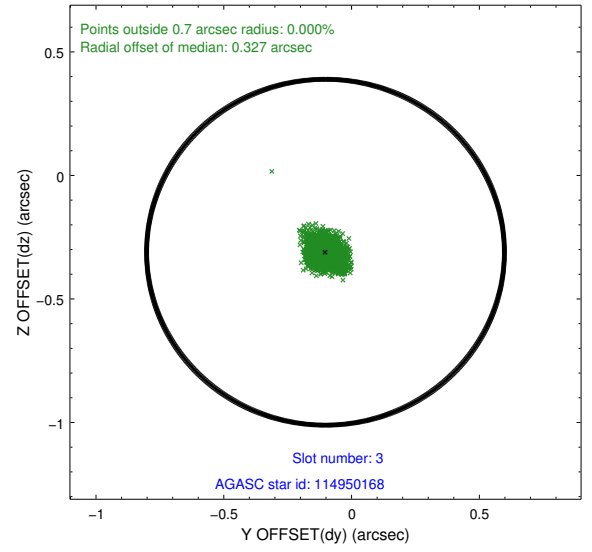
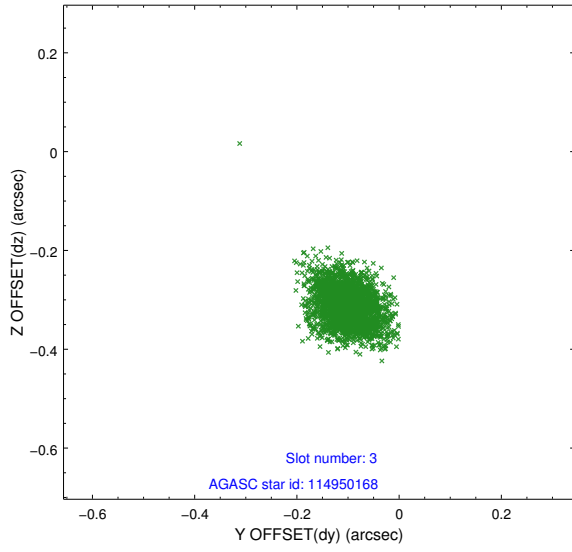


Slot Statistics

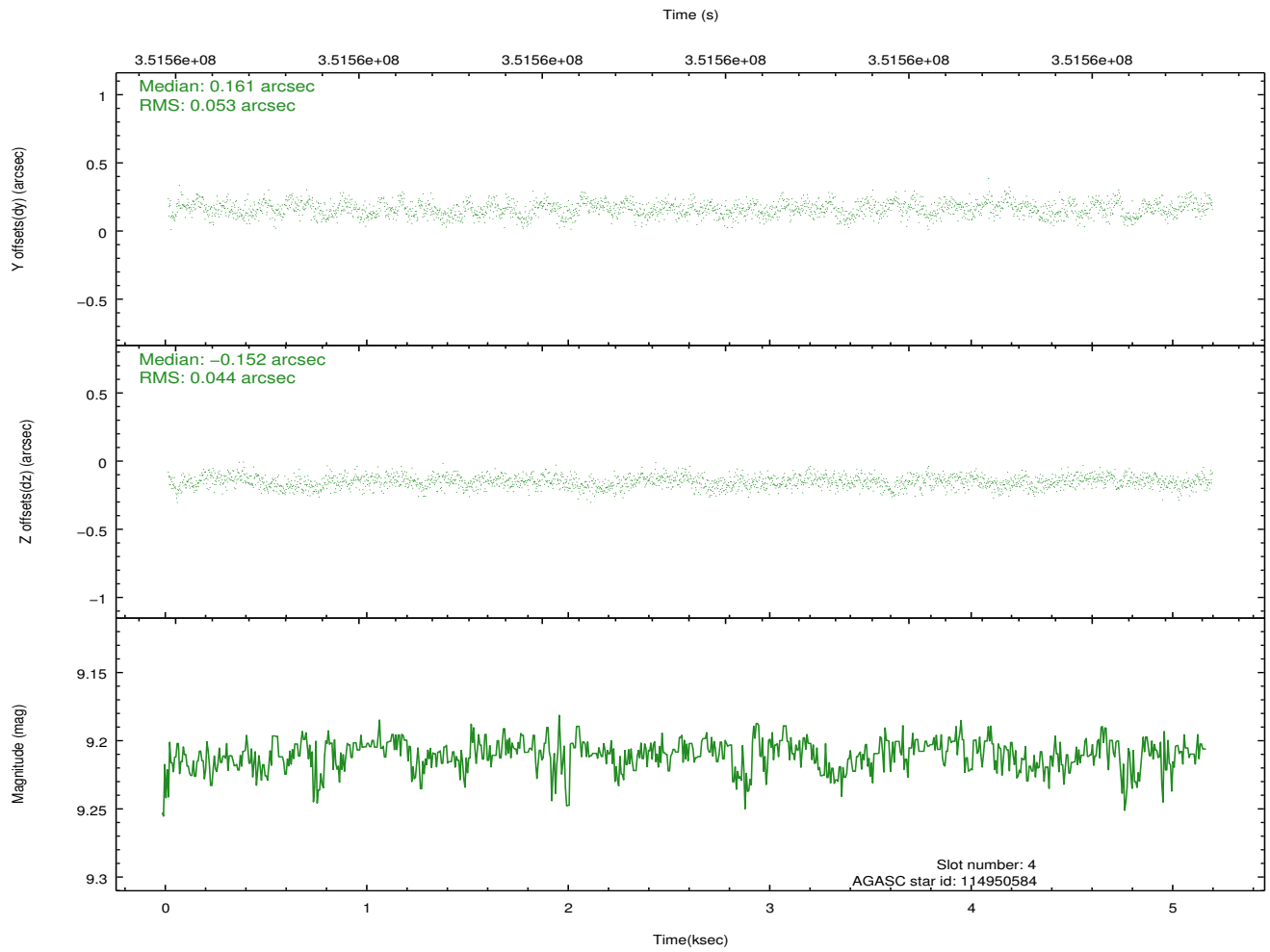
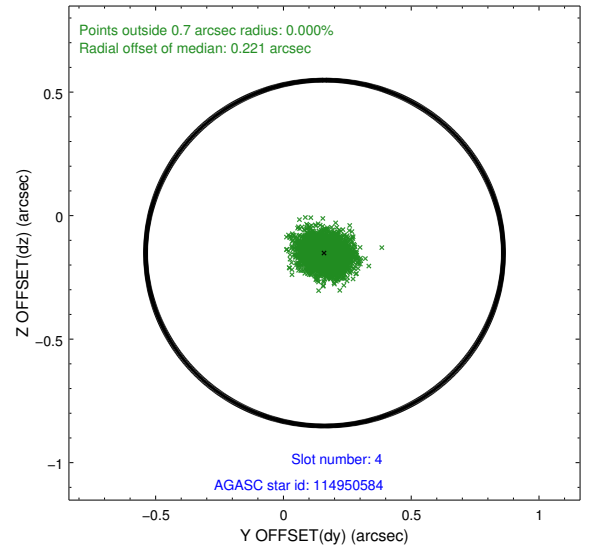
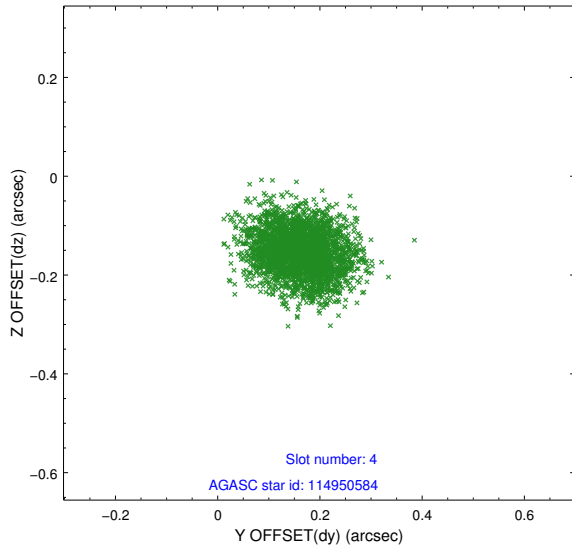
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1264	-0.051	-0.013	0.007	0.012	0.000000	0.000000	-766.09	-1736.80
1	FID	ACIS-S-4	6.98	1264	0.167	0.028	0.005	0.010	0.000000	0.000000	2146.84	170.55
2	FID	ACIS-S-5	7.00	1264	-0.147	-0.007	0.007	0.013	0.000000	0.000000	-1817.56	165.46
3	GUIDE	114950168	7.85	2529	-0.102	-0.311	0.054	0.088	187.143398	12.117441	-936.04	2004.97
4	GUIDE	114950584	9.21	2524	0.161	-0.152	0.075	0.117	187.487323	11.827248	-1969.96	785.86
5	GUIDE	114952824	8.56	2529	-0.093	-0.233	0.074	0.115	187.703904	12.486727	410.93	46.63
6	GUIDE	114955056	8.33	2529	0.106	0.515	0.066	0.106	187.914001	12.127854	-871.83	-705.88
7	GUIDE	114955568	7.52	2528	-0.073	0.185	0.062	0.107	187.061916	11.826551	-1985.72	2283.88

2.4 Star Slots

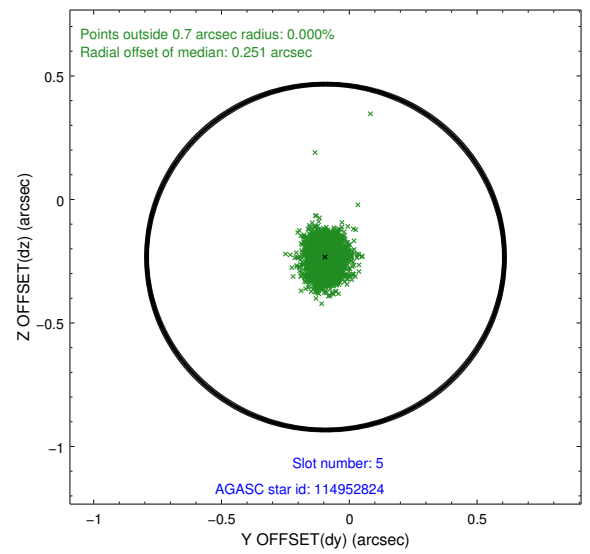
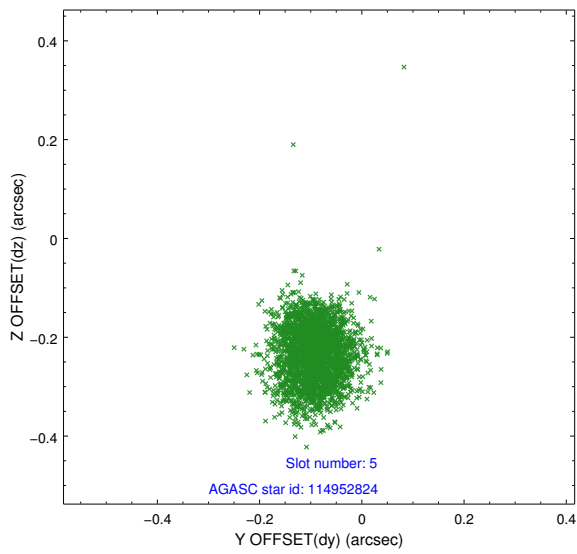
2.4.1 Slot 3



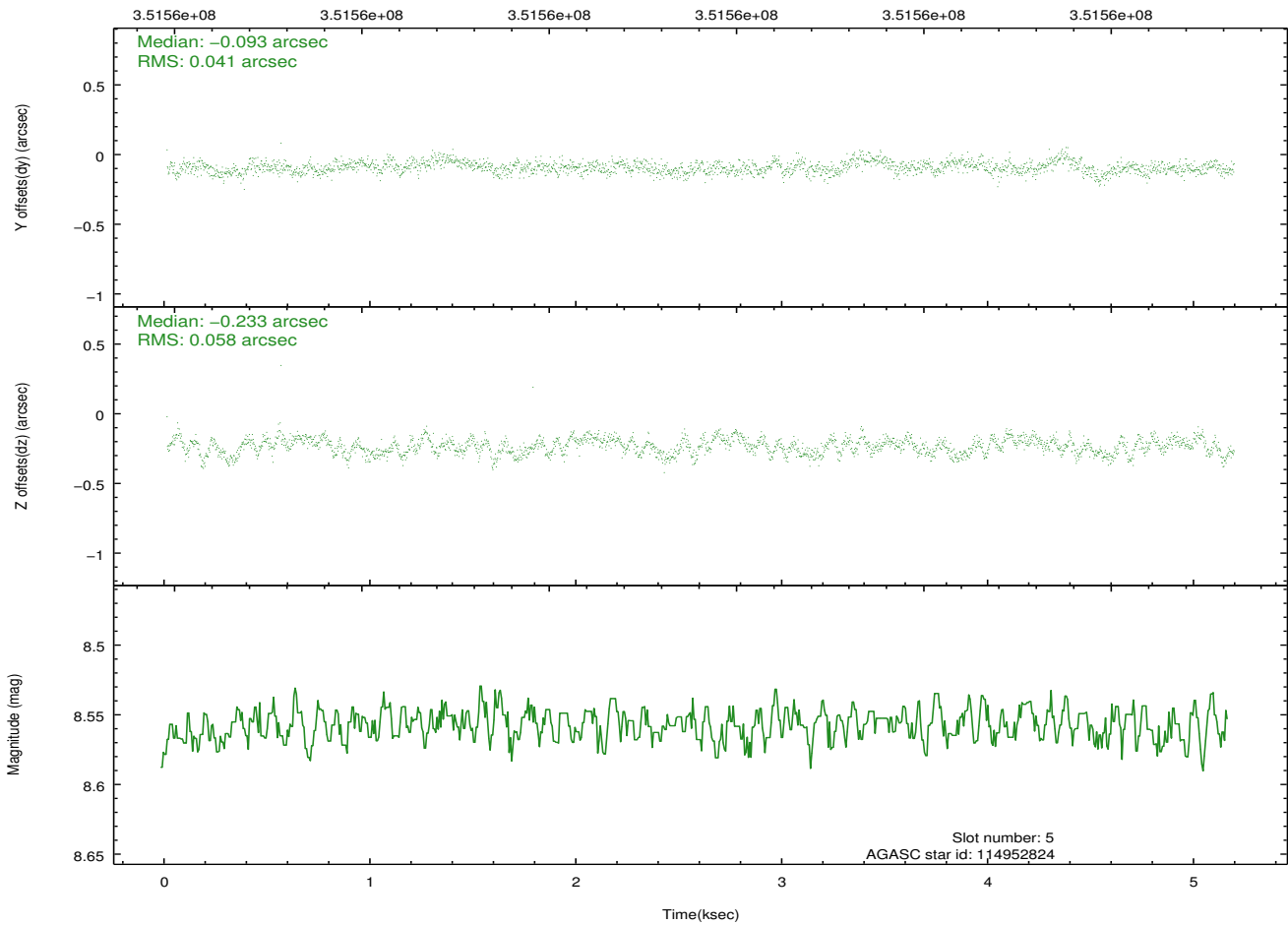
2.4.2 Slot 4



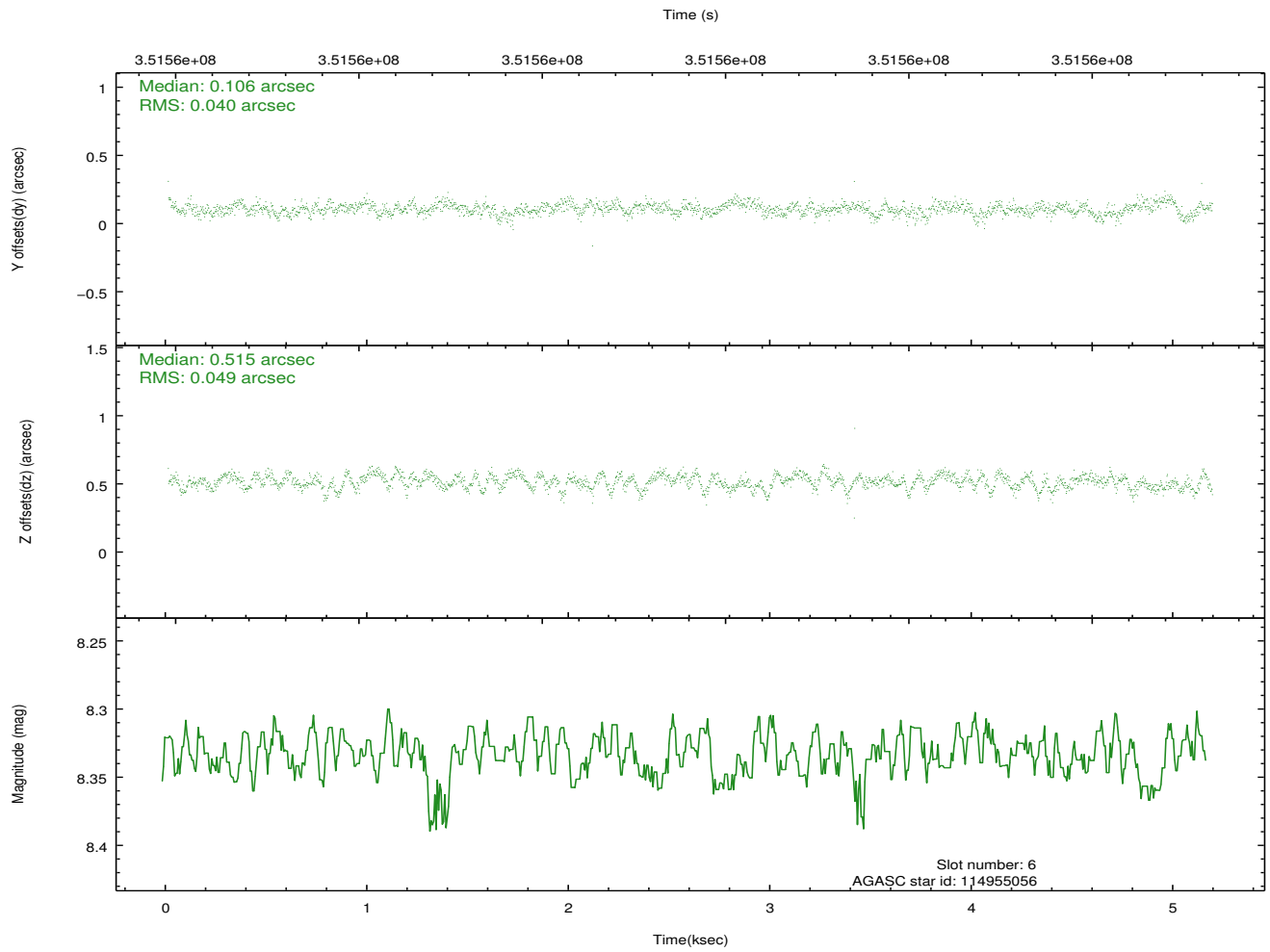
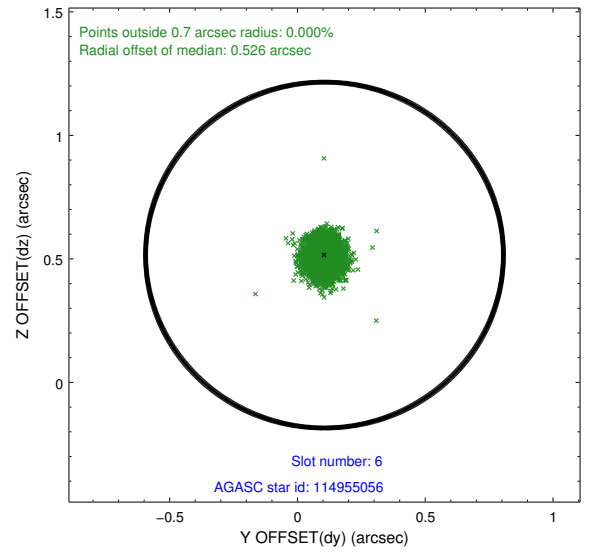
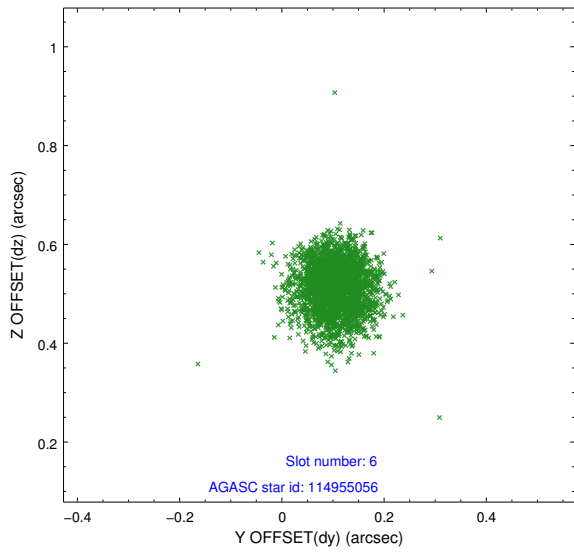
2.4.3 Slot 5



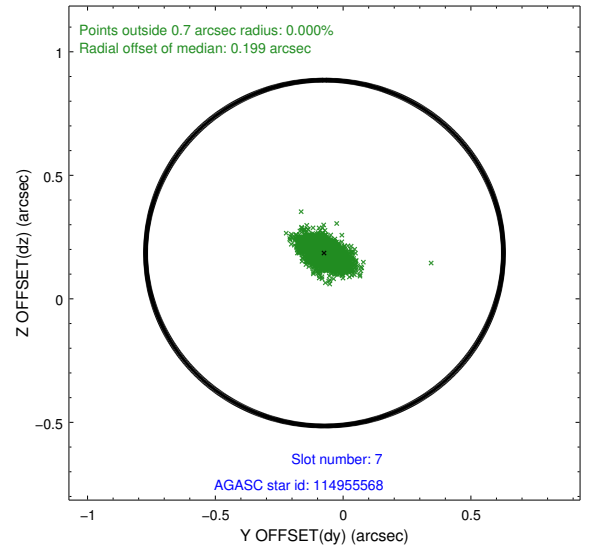
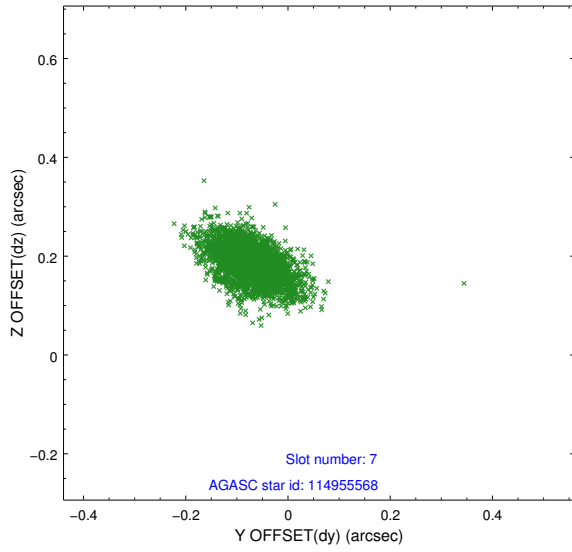
Time (s)



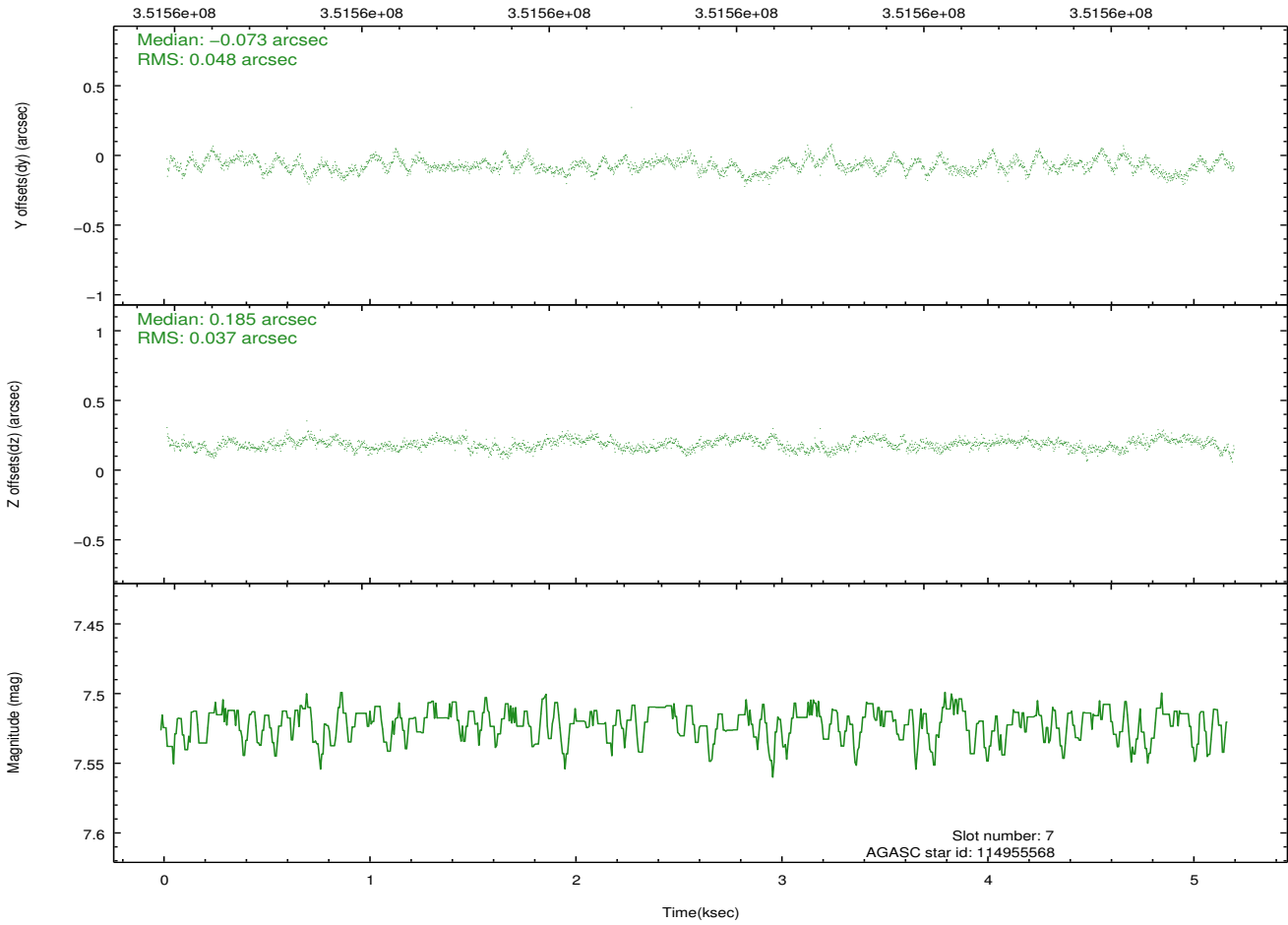
2.4.4 Slot 6



2.4.5 Slot 7

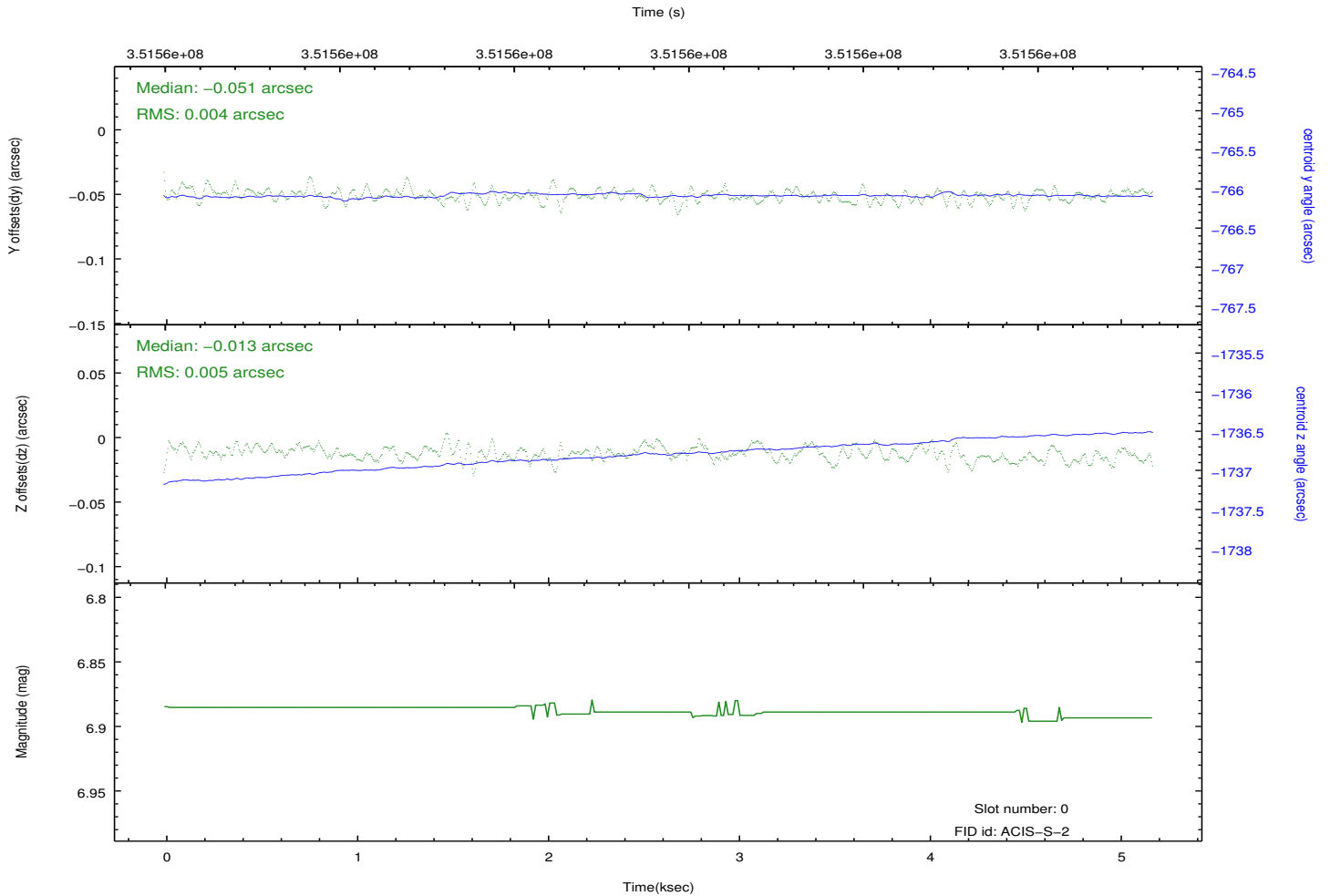
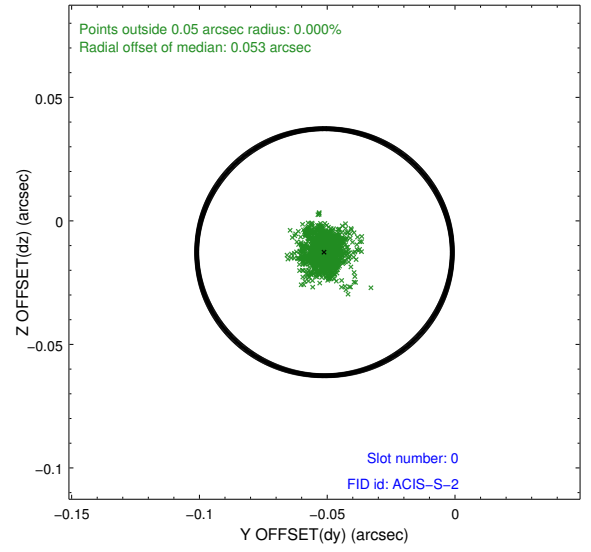
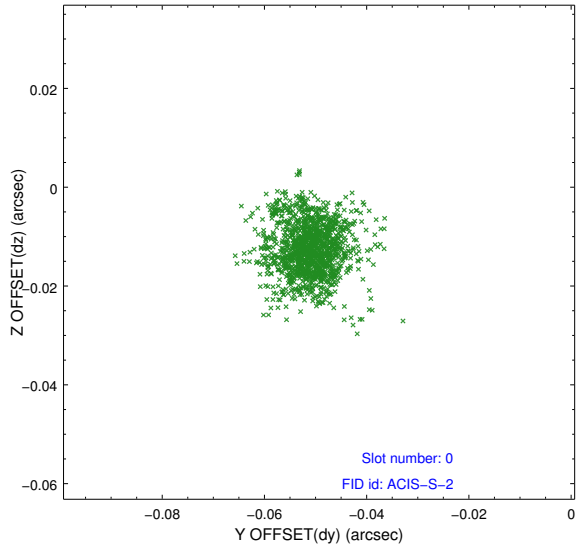


Time (s)

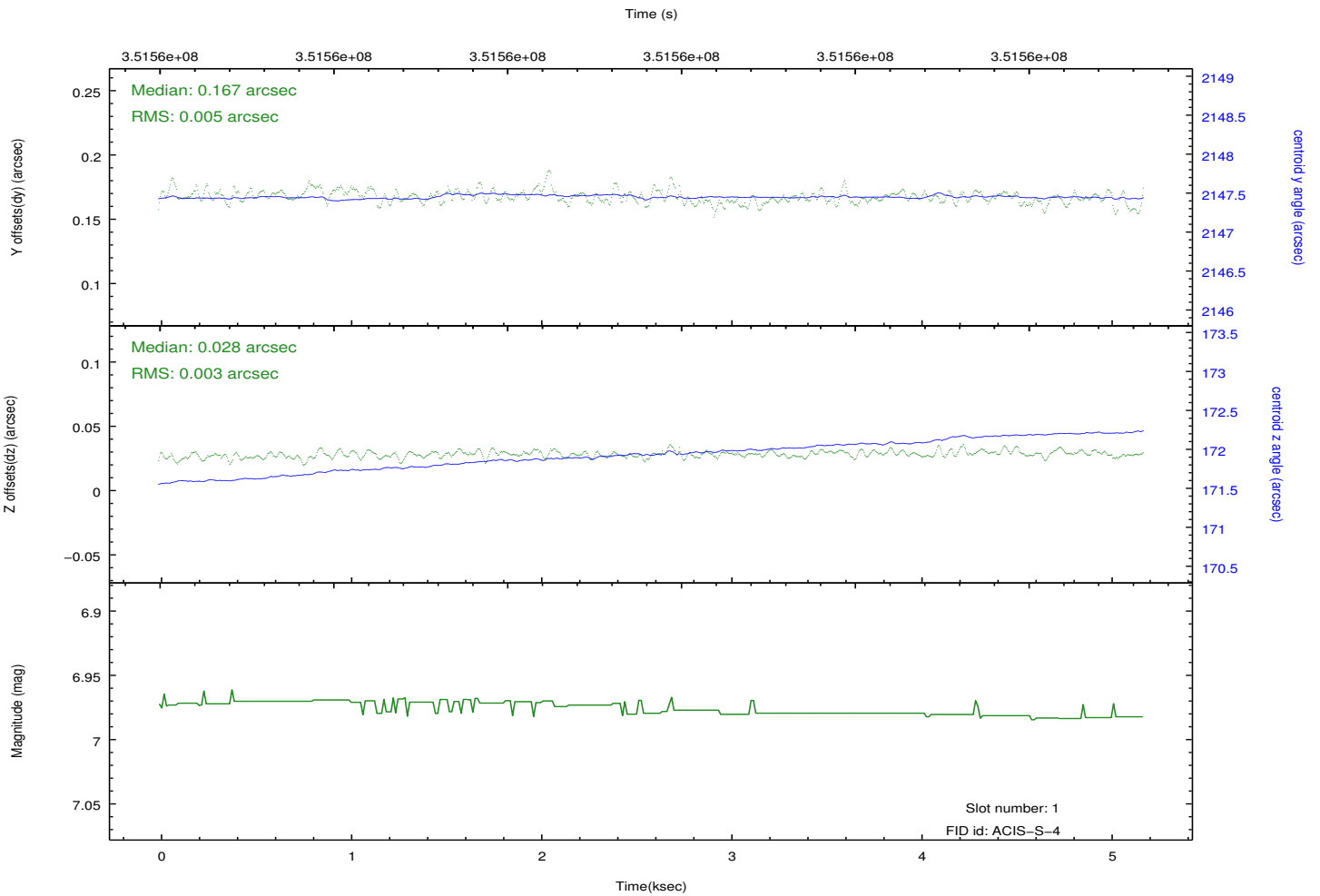
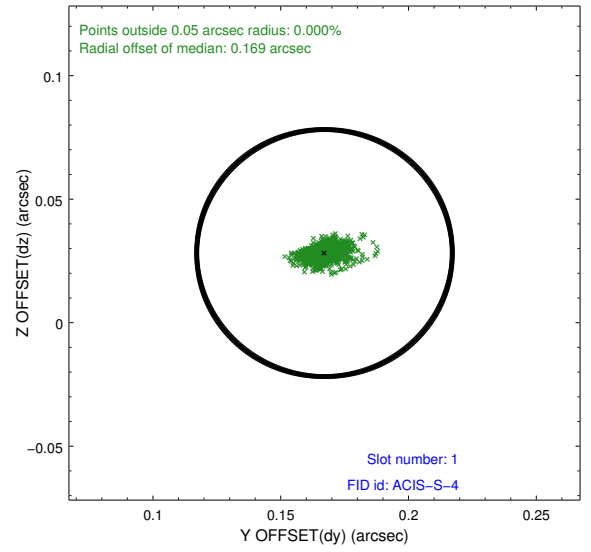
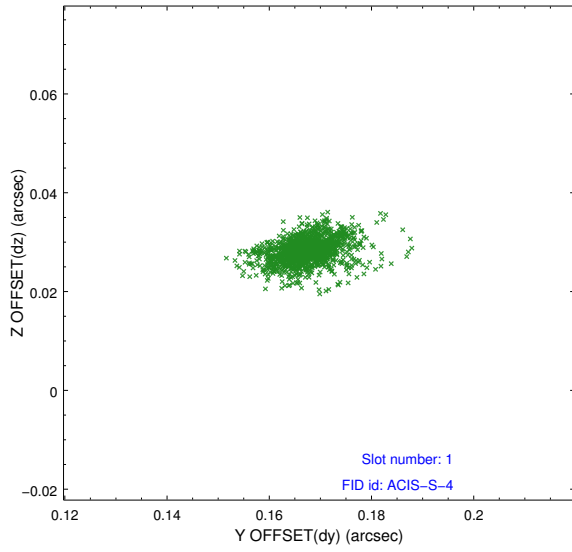


2.5 FID Slots

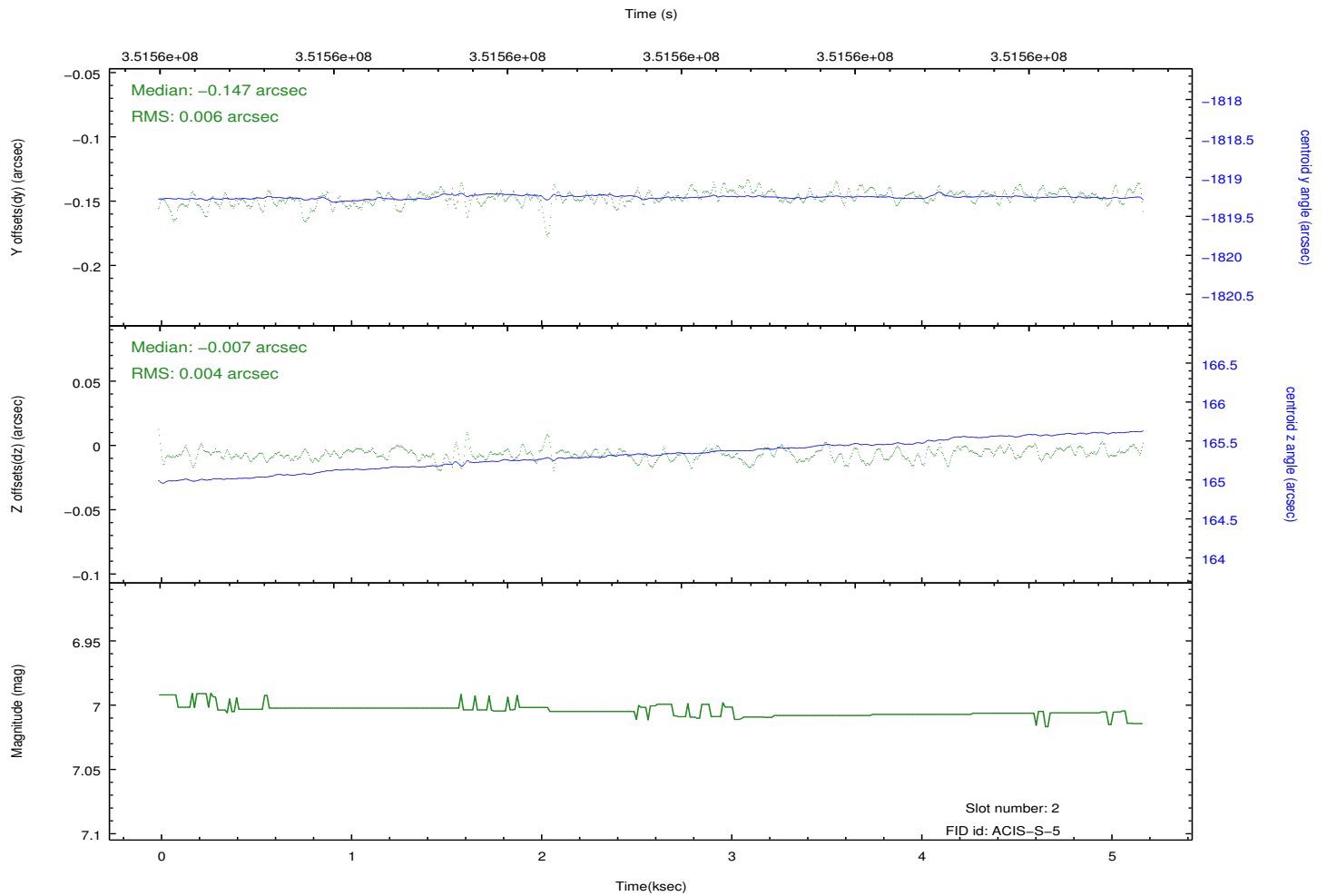
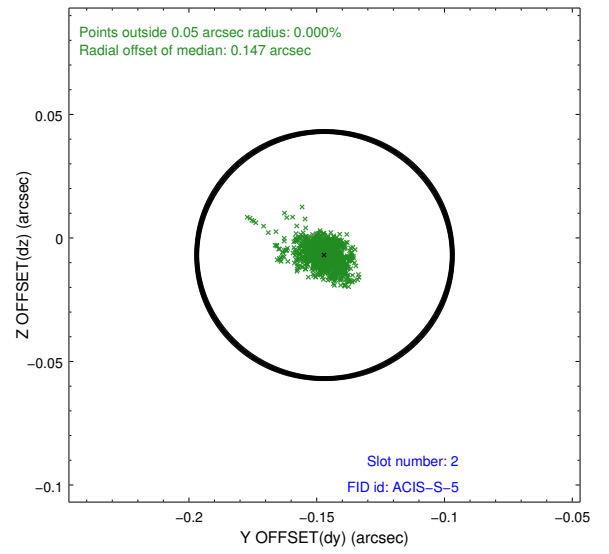
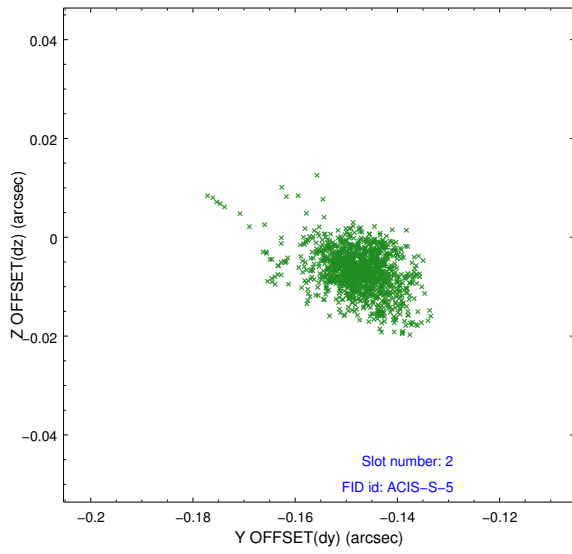
2.5.1 Slot 0



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)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18159969

A.2 Comments