

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10287 - L2 Version 2
Chandra X-Ray Center

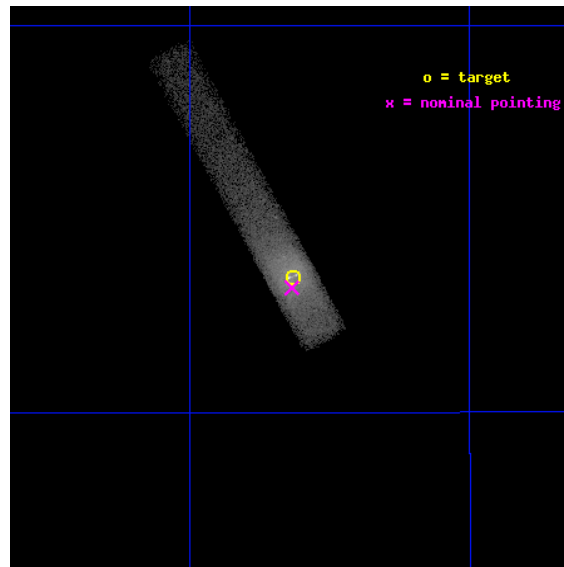
L2 Processing Date : Jun 9 2012

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1 Front

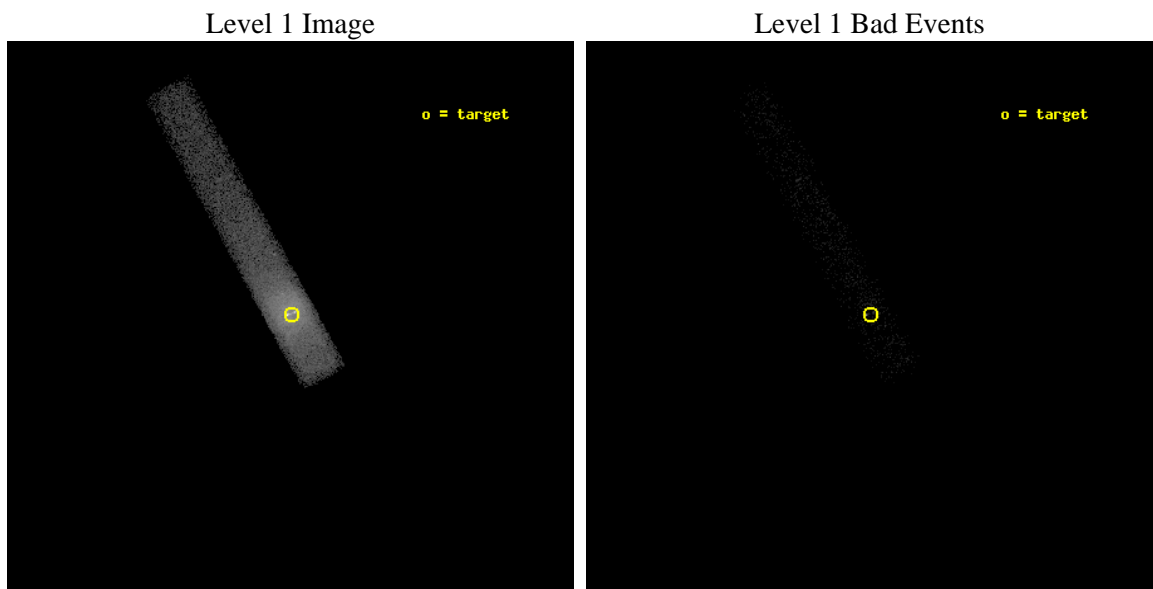
seq_num	701830	Sequence number
obs_id	10287	Observation id
title	Tracking the Aftermath of the Giant Flare in the M87 Jet	Proposal
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70454185602	Nominal RA [deg]
dec_nom	12.386857452497	Nominal Dec [deg]
roll_nom	241.1565493243	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5185.5996909142	Sum of GTIs [s]
livetime	4703.0652012644	Livetime [s]
ontime7	5185.5996909142	Sum of GTIs [s]
l2events	49979	Number of level 2 events



2 OBI

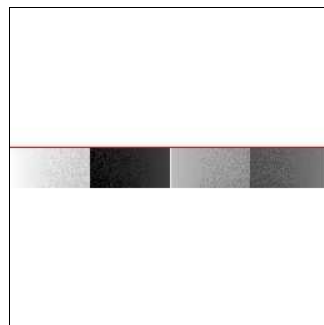
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5185.5996909142	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	5185.5996909142	Sum of GTIs [s]
date	2012-06-09T07:41:54	Date and time of file creation	l1events	58756	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

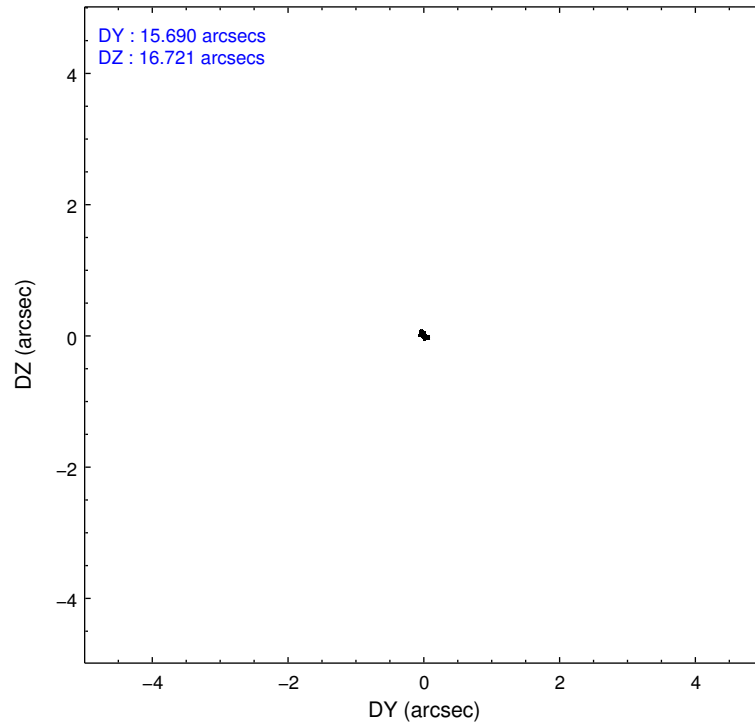
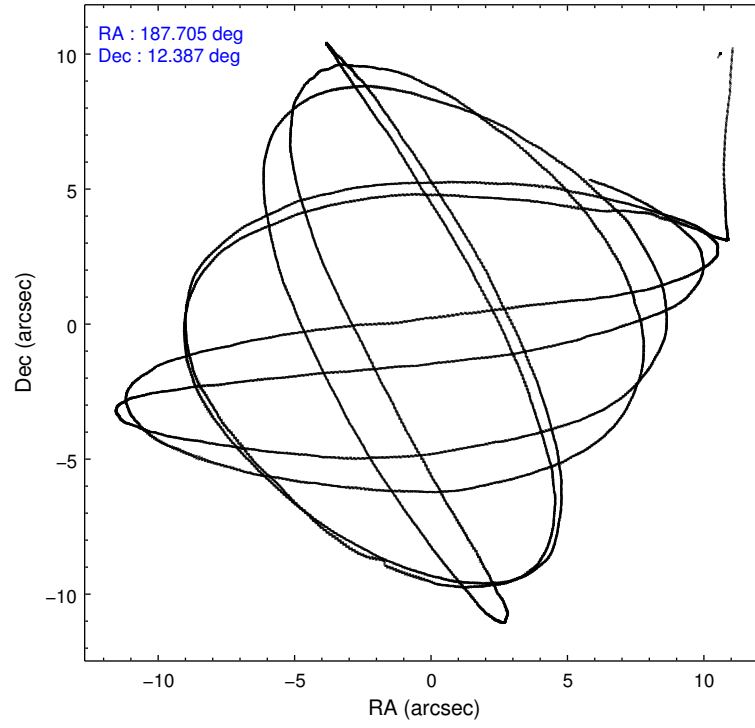
	ccd 7
level 1 events	58756
rejected events	8102
rejected %	13%

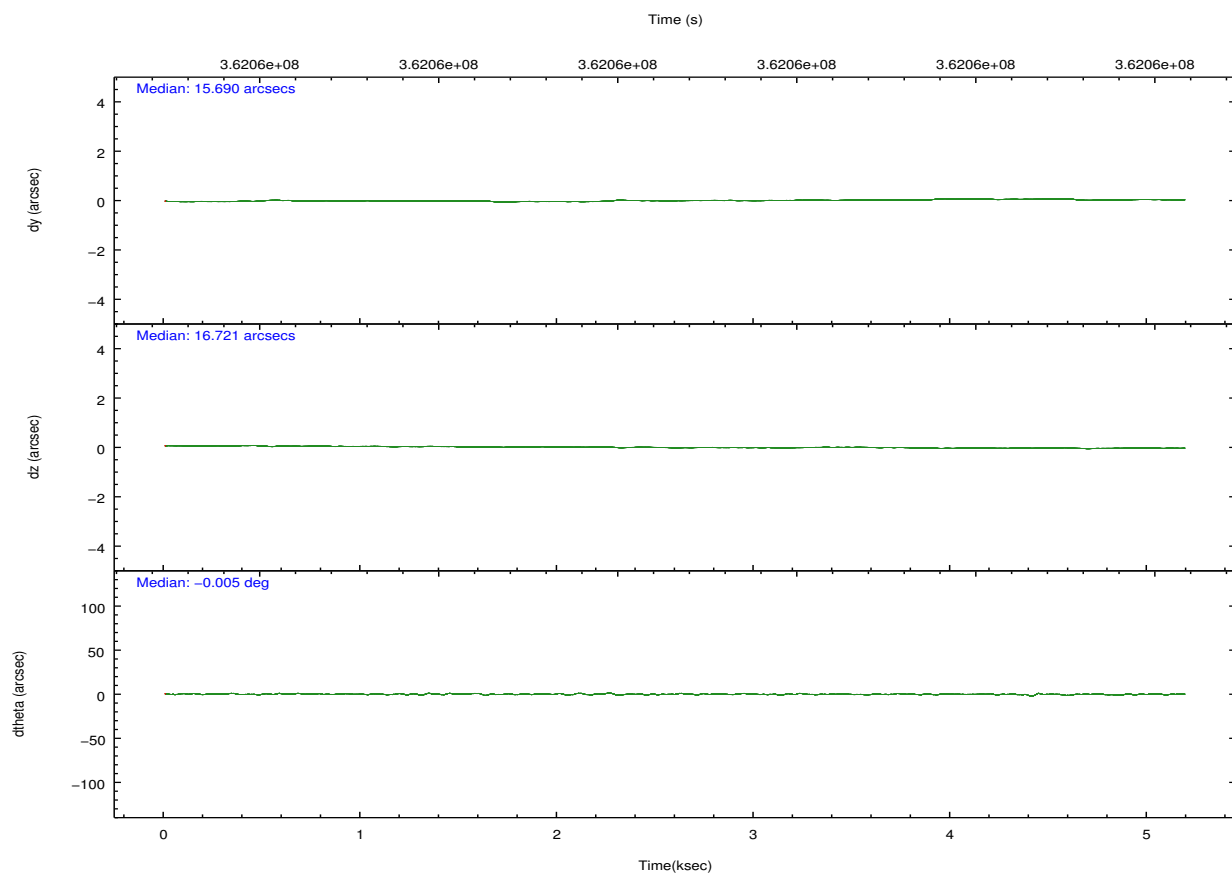
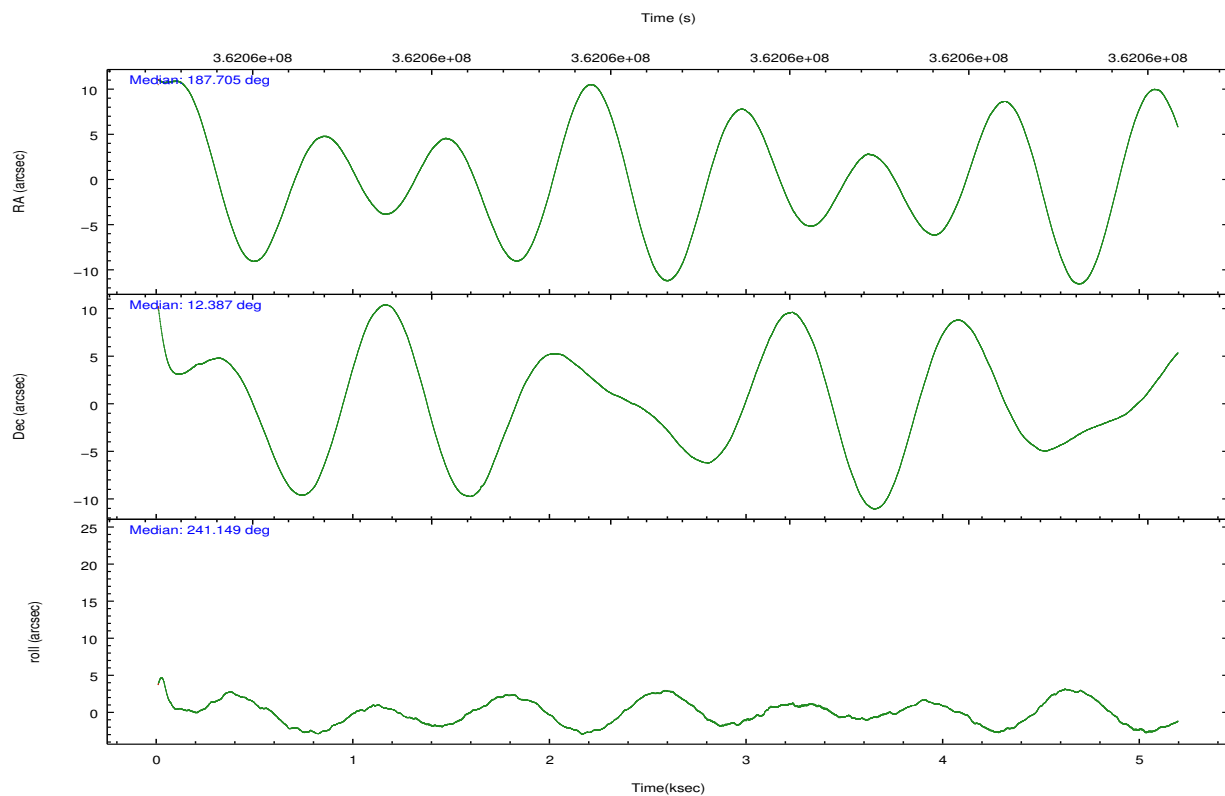
	ccd 7
grade 0 events	15478
	26%
grade 1 events	57
	0%
grade 2 events	13484
	22%
grade 3 events	6124
	10%
grade 4 events	5967
	10%
grade 5 events	1379
	2%
grade 6 events	11114
	18%
grade 7 events	5153
	8%

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	187.703464	187.7045418560178	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.414153	12.38685745249669	Subarray start row	449	449
[deg] Pointing Roll	241.000151	241.1565493242974	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	362057925.184000	362057033.01335			
Observation start date	2009-06-22T11:37:39	2009-06-22T11:23:53			
[s] Observation end time (MET)	362062925.184000	362063883.08869			
Observation end date	2009-06-22T13:00:59	2009-06-22T13:18:03			
Read mode	TIMED	TIMED			

2.3 Aspect



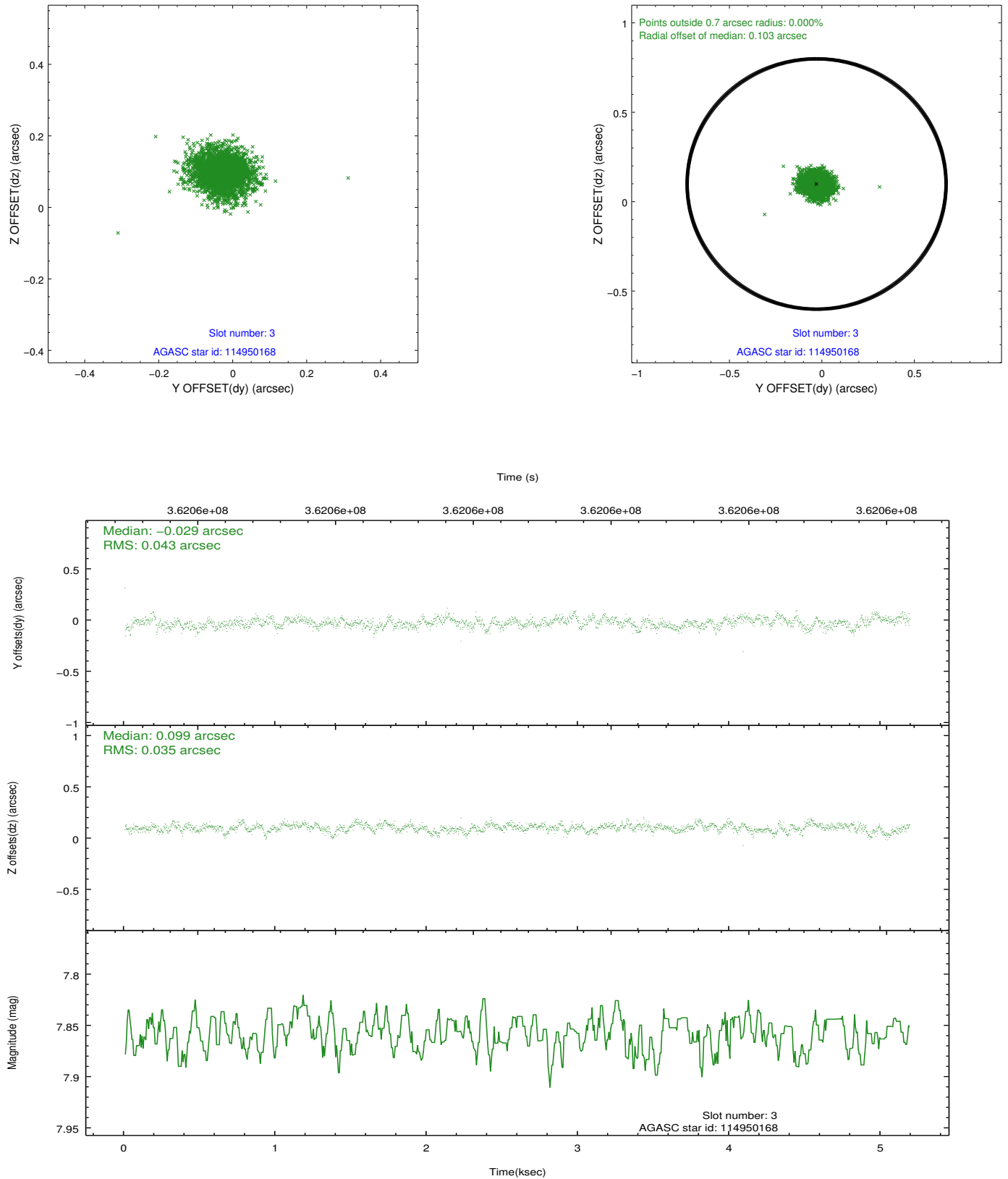


Slot Statistics

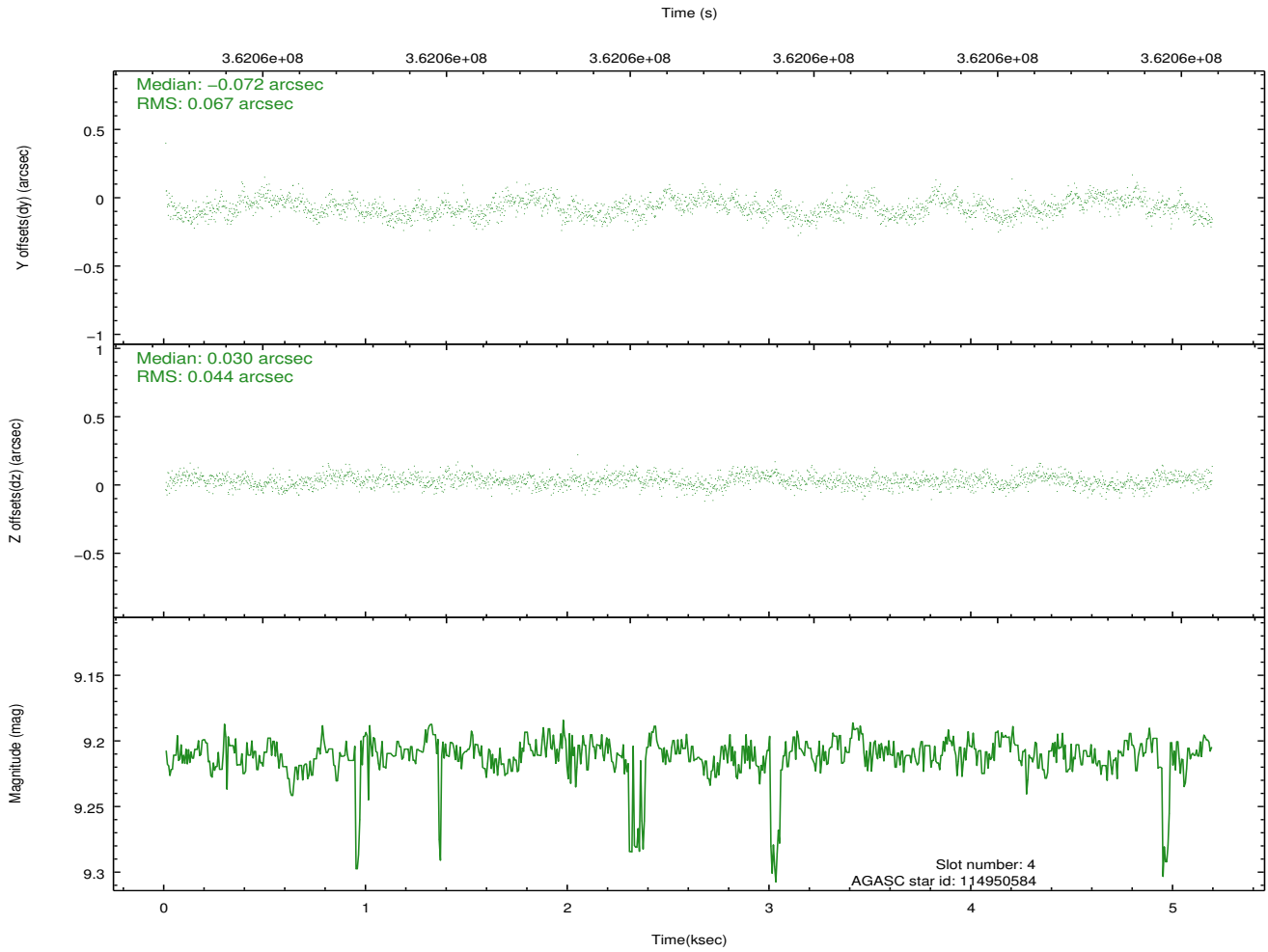
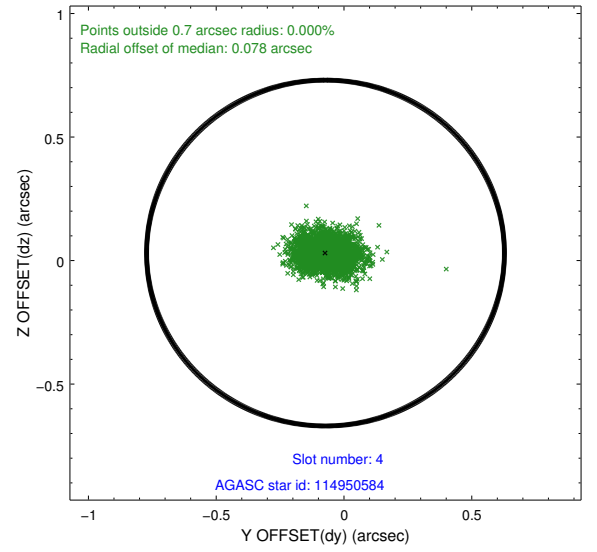
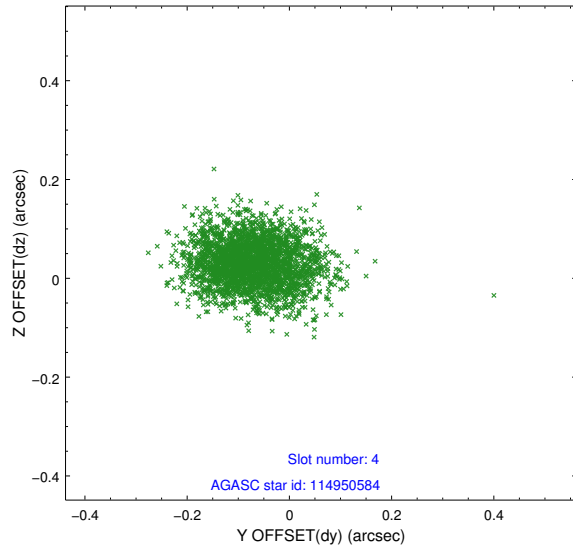
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	1266	0.085	-0.090	0.006	0.010	0.000000	0.000000	927.42	-1733.78
1	FID	ACIS-S-5	7.01	1266	-0.126	0.052	0.005	0.009	0.000000	0.000000	-1821.12	162.75
2	FID	ACIS-S-6	7.10	1266	0.020	0.049	0.007	0.011	0.000000	0.000000	391.67	807.99
3	GUIDE	114950168	7.86	2529	-0.029	0.099	0.058	0.096	187.143398	12.117441	1889.13	-1207.16
4	GUIDE	114950584	9.21	2524	-0.072	0.030	0.084	0.137	187.487323	11.827248	2218.43	357.39
5	GUIDE	114952824	8.58	2527	-0.055	0.258	0.090	0.137	187.703904	12.486727	-227.52	-125.55
6	GUIDE	114955056	8.30	2531	0.023	-0.280	0.064	0.107	187.914001	12.127854	542.45	1146.98
7	GUIDE	114957008	8.25	2530	0.135	-0.108	0.080	0.136	186.894794	12.099160	2369.82	-1942.15

2.4 Star Slots

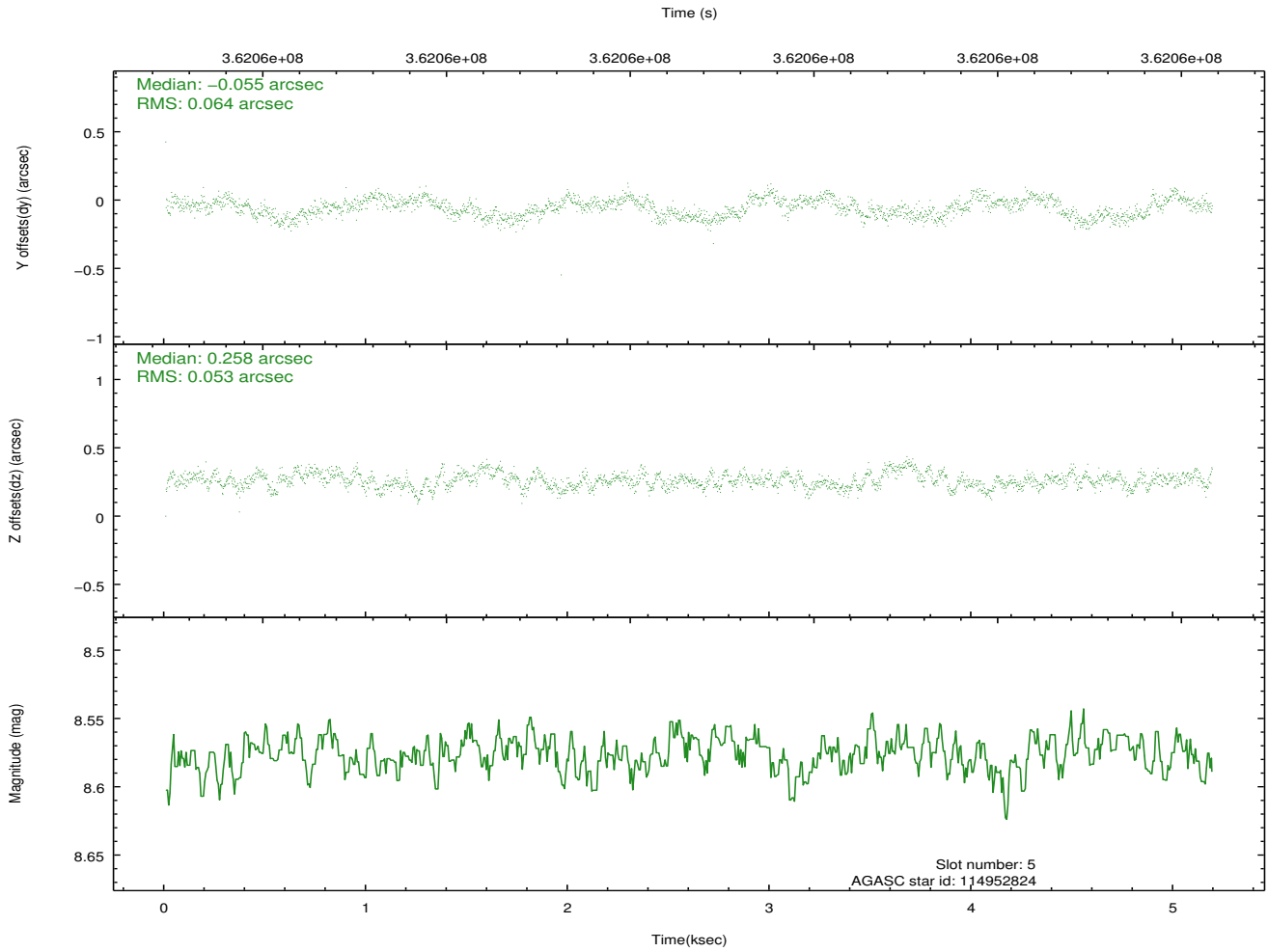
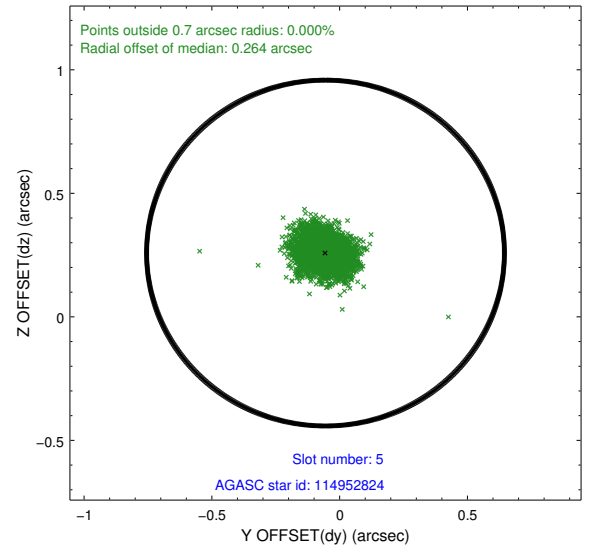
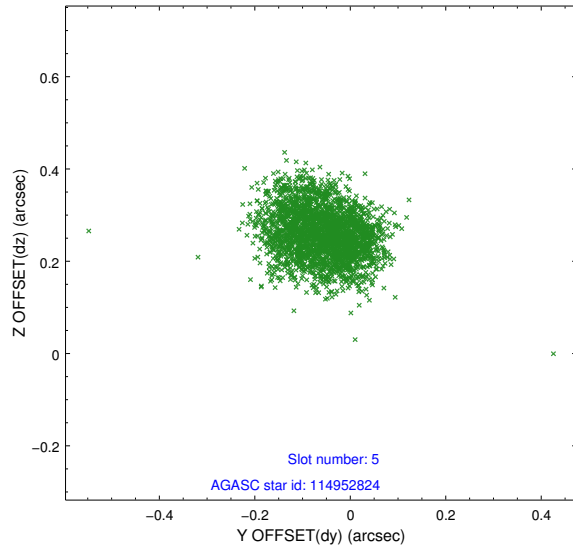
2.4.1 Slot 3



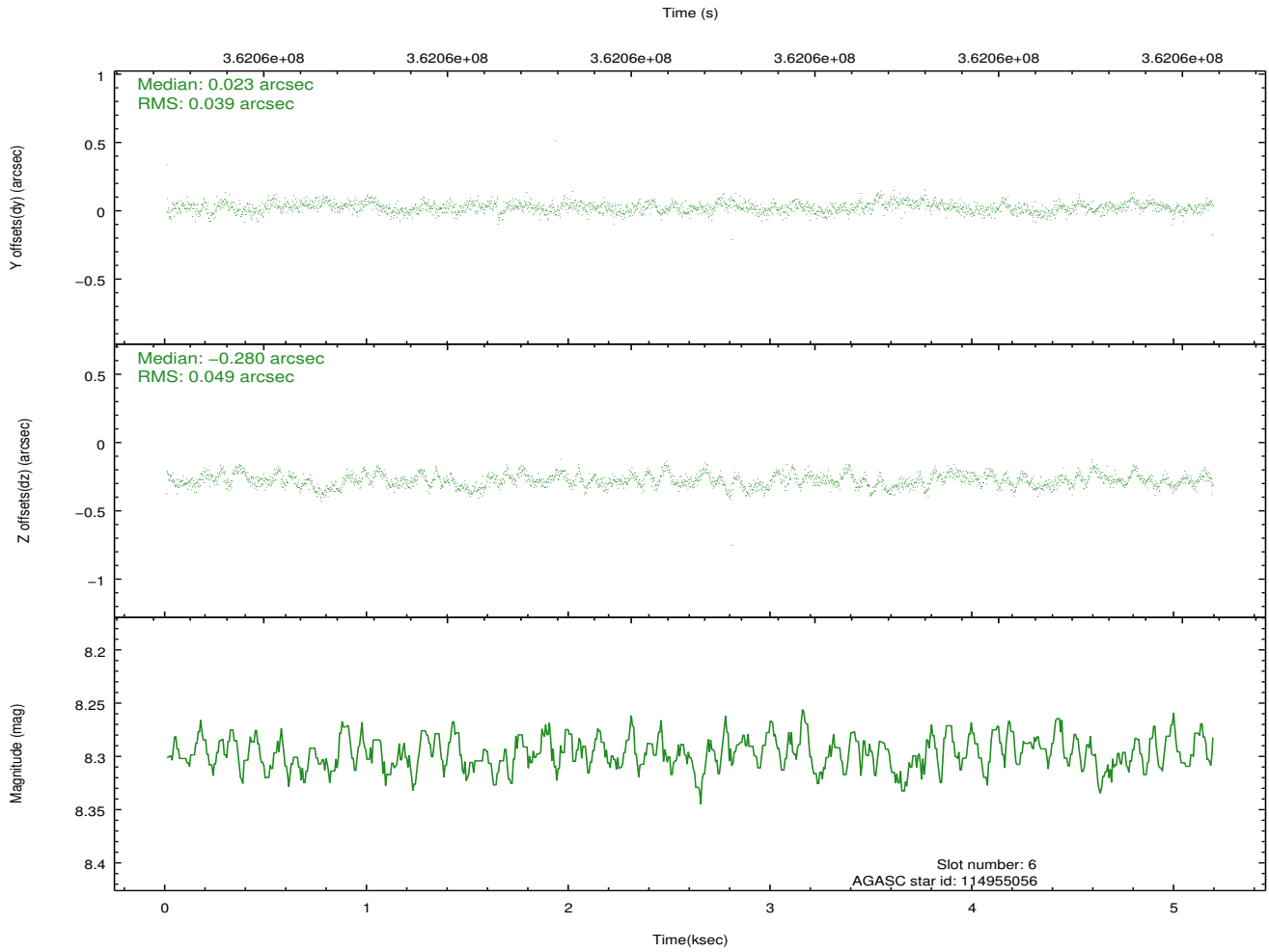
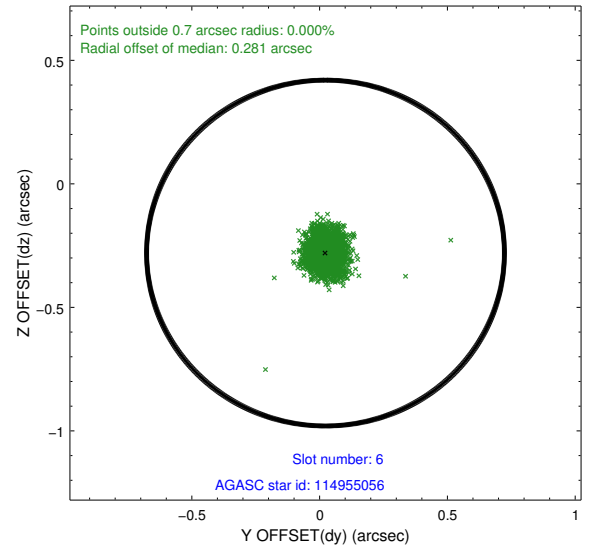
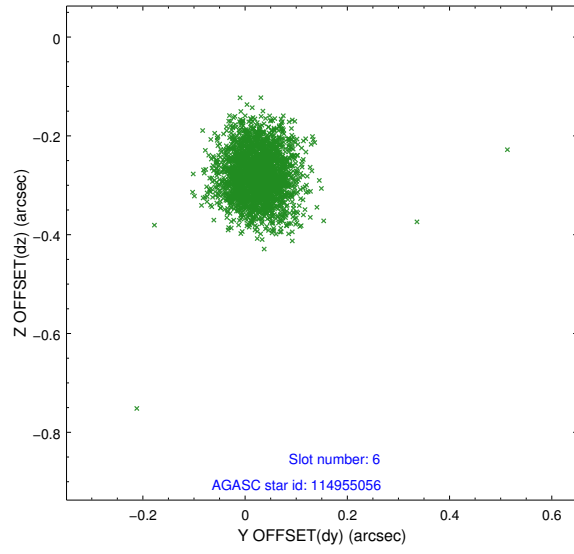
2.4.2 Slot 4



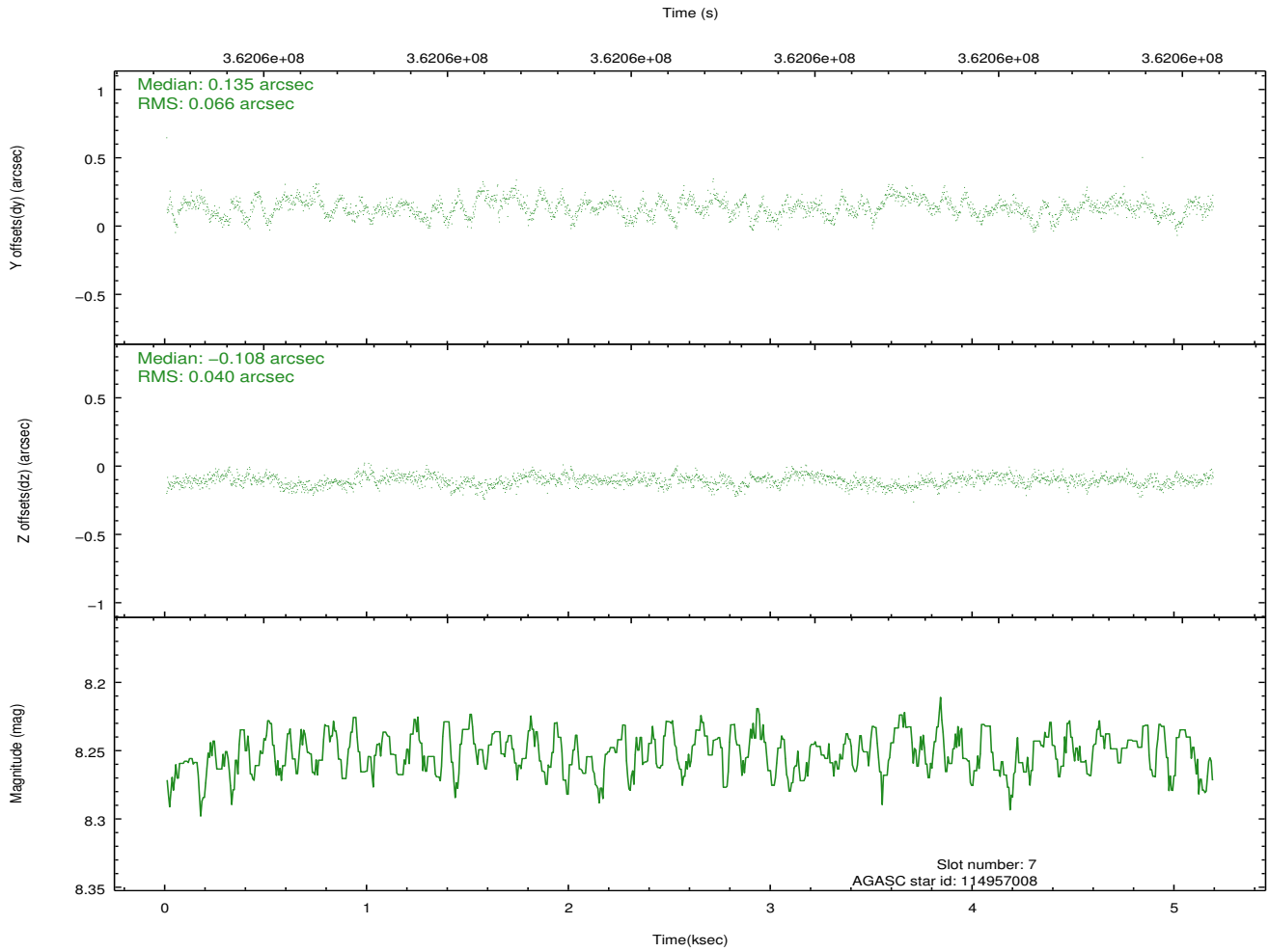
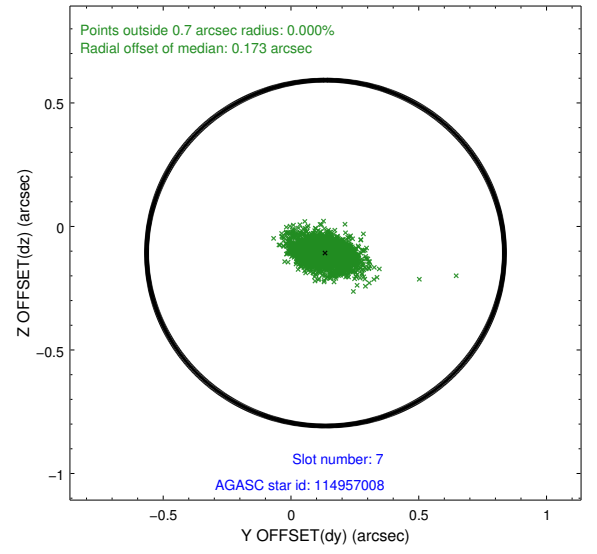
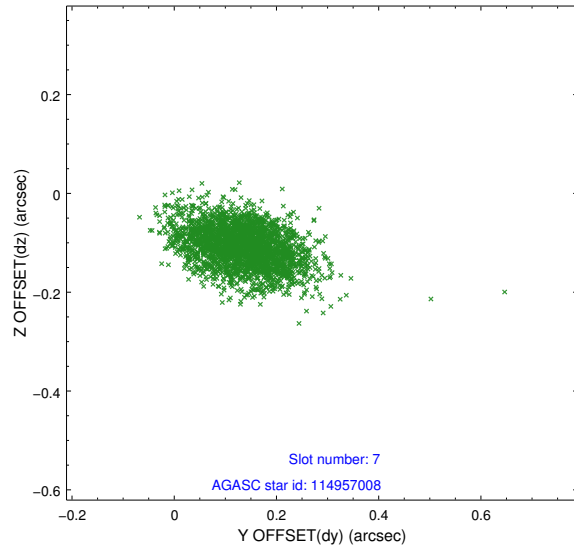
2.4.3 Slot 5



2.4.4 Slot 6

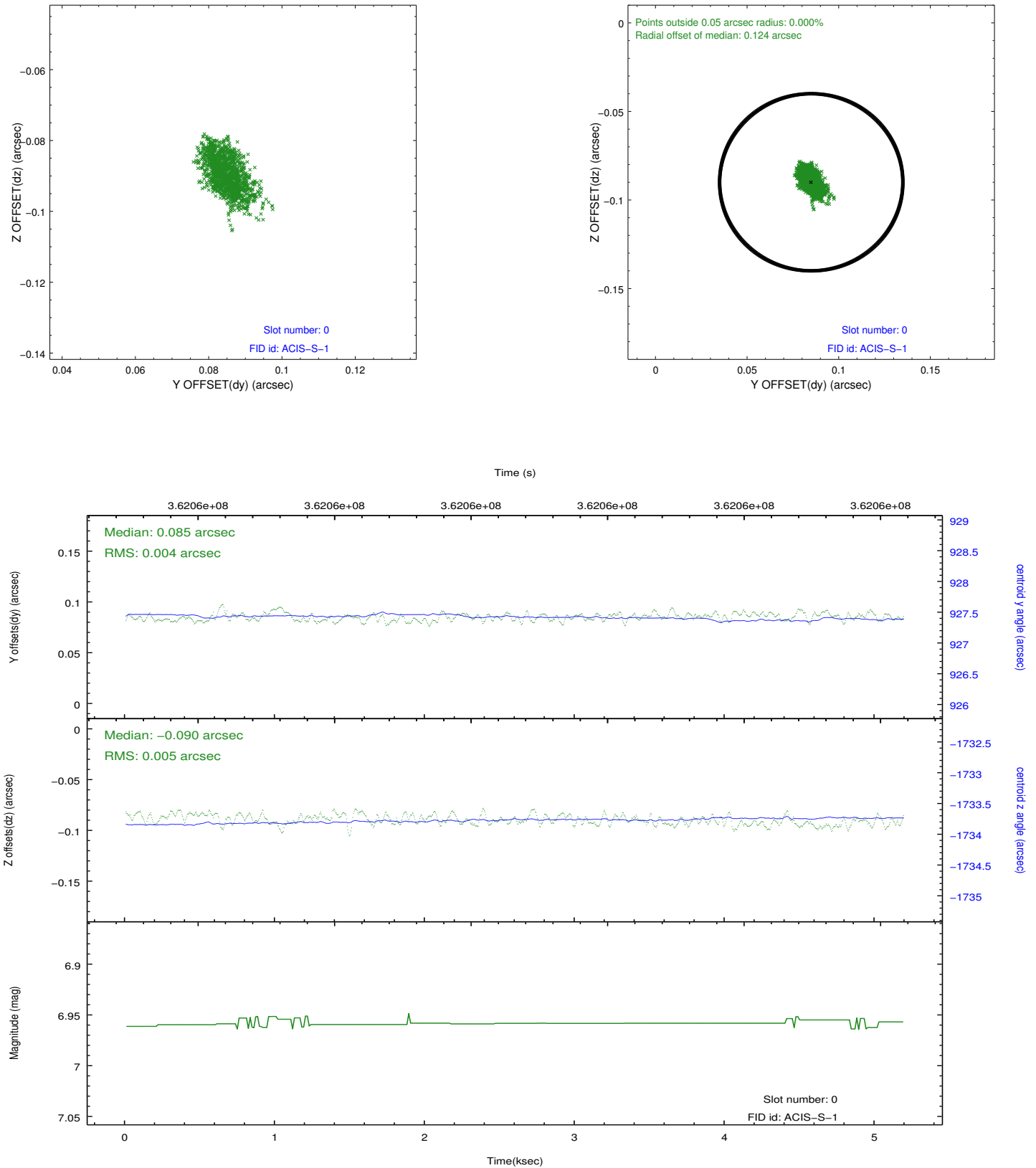


2.4.5 Slot 7

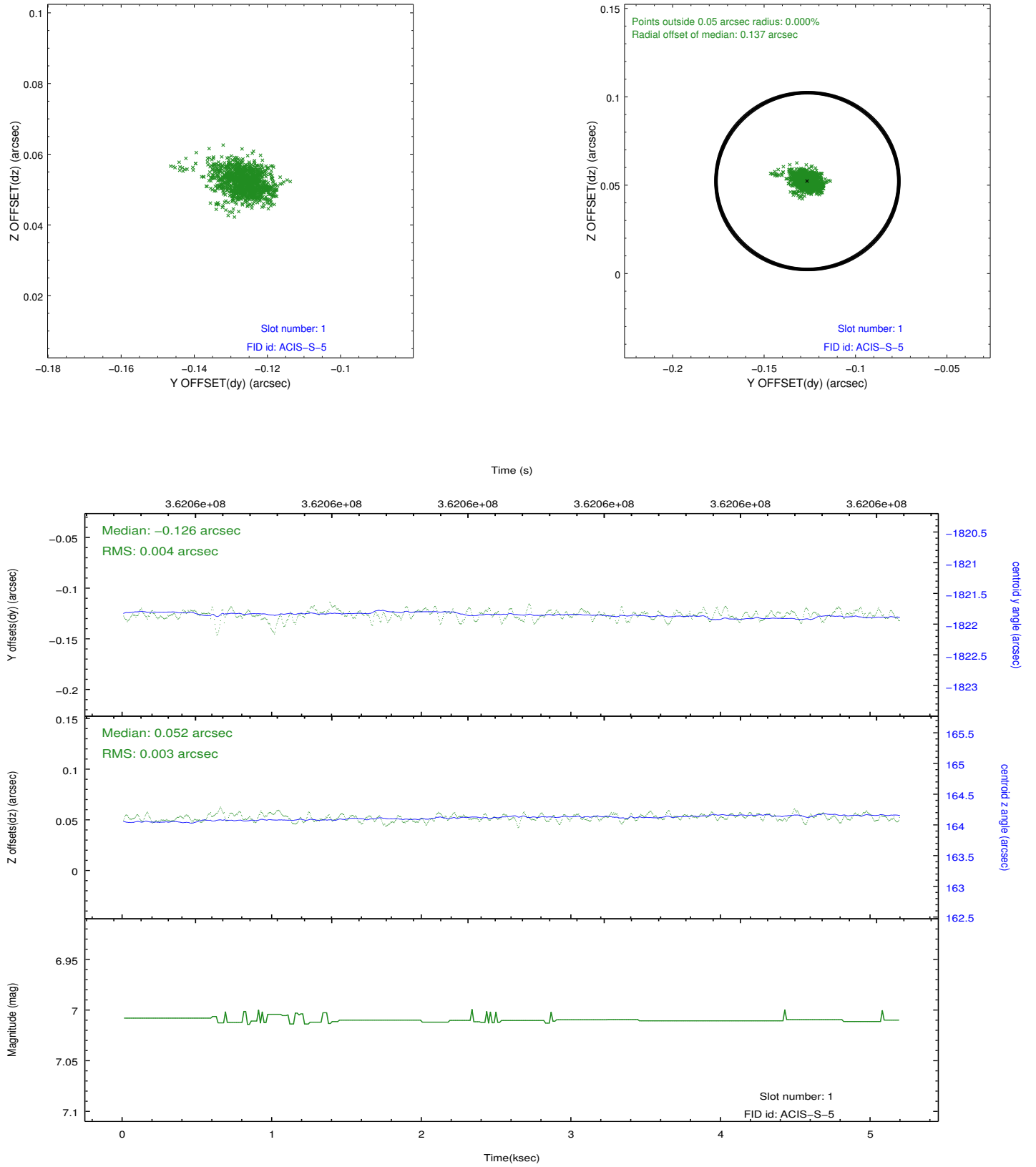


2.5 FID Slots

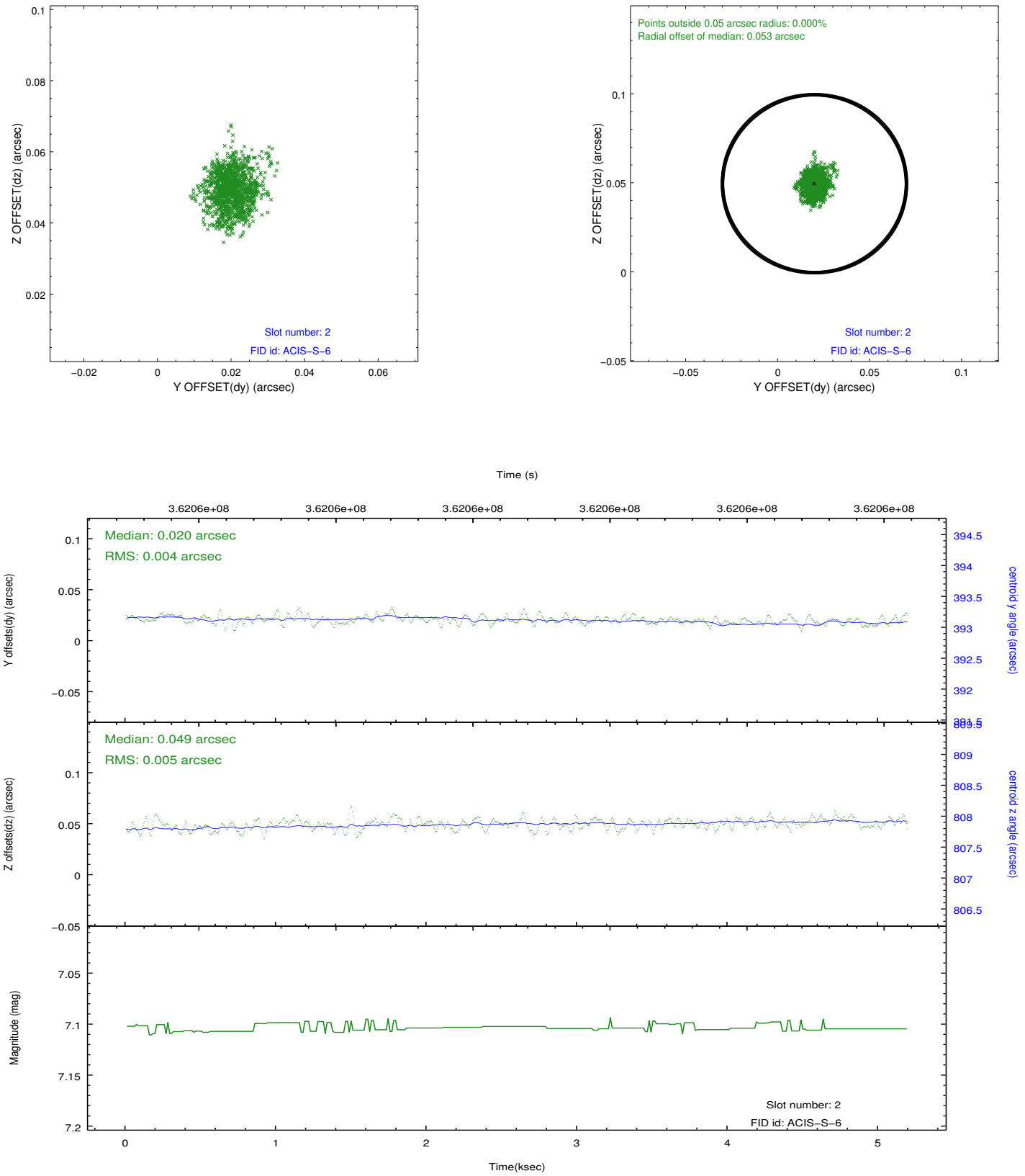
2.5.1 Slot 0



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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18559969

A.2 Comments

Roll angle is 241 degrees. According to the observer comments in the OCAT, this roll angle might contaminate the jet with a readout streak. However, I see no evidence of a readout streak in this observation.