

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5729 - L2 Version 3
Chandra X-Ray Center

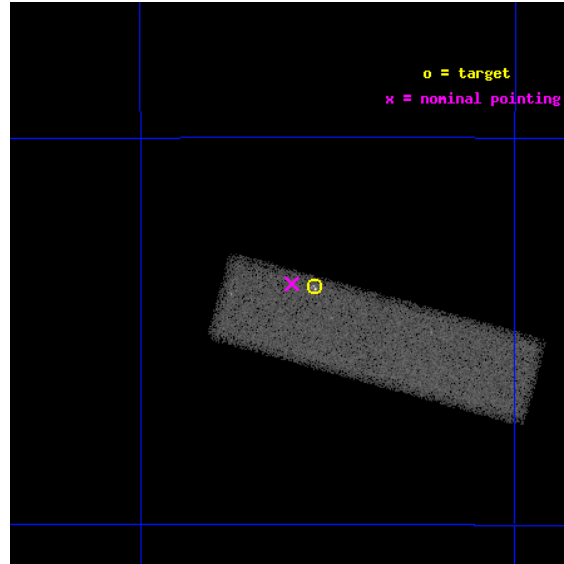
L2 Processing Date : Dec 22 2012

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1 Front

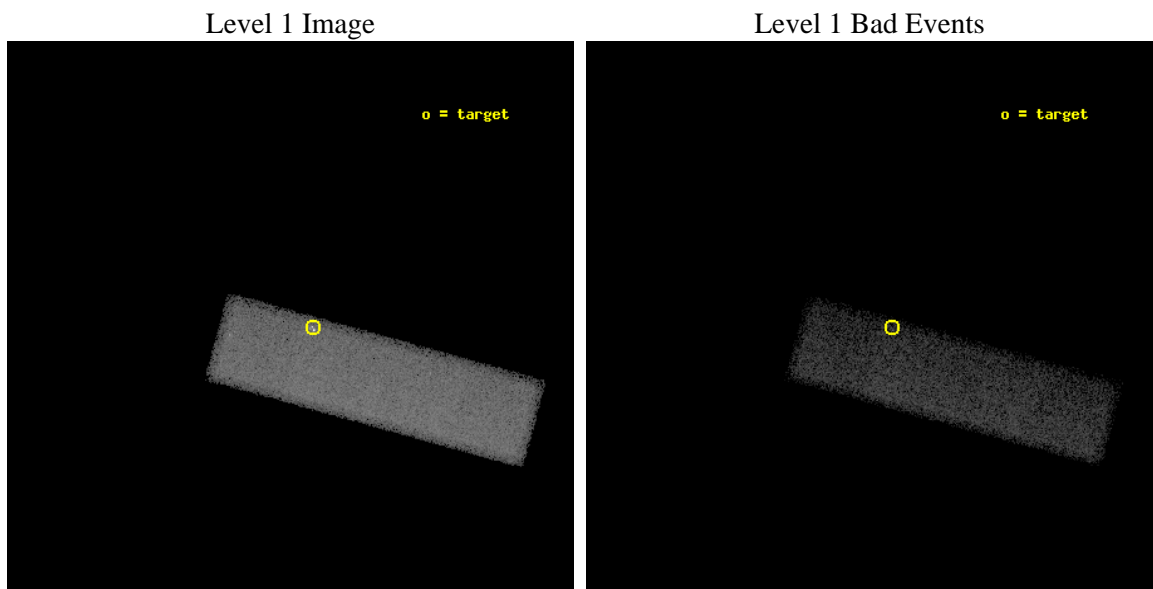
seq_num	701151	Sequence number
obs_id	5729	Observation id
title	A Study of the Physics of Extended Relativistic X-ray Jets, Discovered in our Chandra Survey	Proposal title
observer	Dr. Jonathan Gelbord	Principal investigator
object	PKS 1421-490	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.134167	Observer's specified target RA [deg]
dec_targ	-49.230556	Observer's specified target Dec [deg]
ra_nom	216.1489267217	Nominal RA [deg]
dec_nom	-49.22967952997	Nominal Dec [deg]
roll_nom	15.295982356689	Nominal Roll [deg]
revision	3	Processing version of data
ontime	51965.600774348	Sum of GTIs [s]
livetime	49429.849495242	Livetime [s]
ontime7	51965.600774348	Sum of GTIs [s]
l2events	61329	Number of level 2 events



2 OBI

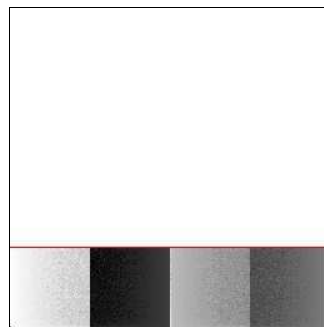
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	51800.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	51965.600774348	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	51965.600774348	Sum of GTIs [s]
date	2012-12-22T15:19:03	Date and time of file creation	l1events	140576	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	140576
rejected events	77694
rejected %	55%

	ccd 7
grade 0 events	6154
	4%
grade 1 events	131
	0%
grade 2 events	12697
	9%
grade 3 events	6997
	4%
grade 4 events	6805
	4%
grade 5 events	12720
	9%
grade 6 events	31093
	22%
grade 7 events	63979
	45%

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	216.119977	216.1489267217012	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-49.249294	-49.2296795299695	Subarray start row	1	1
[deg] Pointing Roll	15.117427	15.2959823566895	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-178.632523	-178.6370735452349			
[mm] SIM translation stage offset	-11.5	-11.49544903777291			
[s] Observation start time (MET)	230211782.184000	230210809.54489			
Observation start date	2005-04-18T11:41:58	2005-04-18T11:26:49			
[s] Observation end time (MET)	230263582.184000	230264198.72231			
Observation end date	2005-04-19T02:05:18	2005-04-19T02:16:38			
Read mode	TIMED	TIMED			

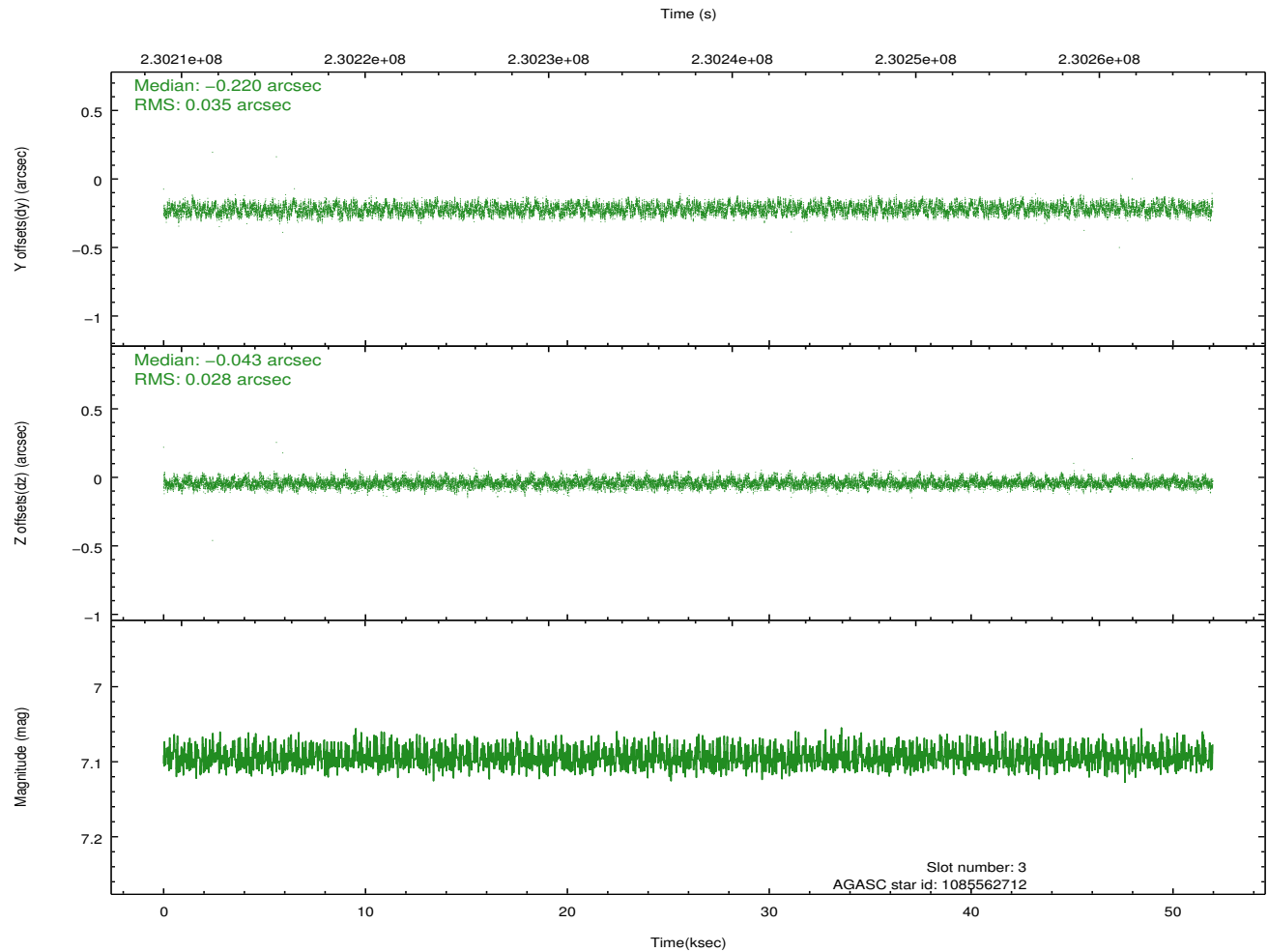
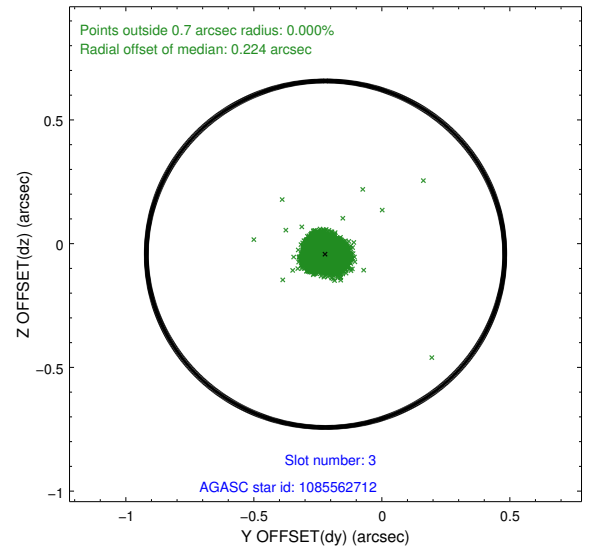
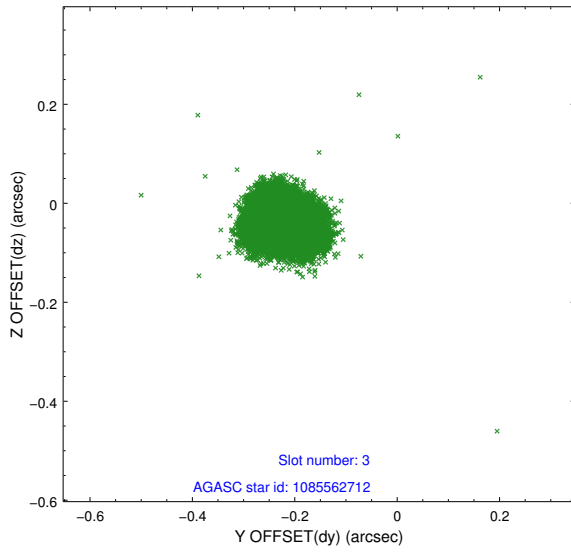
2.3 Aspect

Slot Statistics

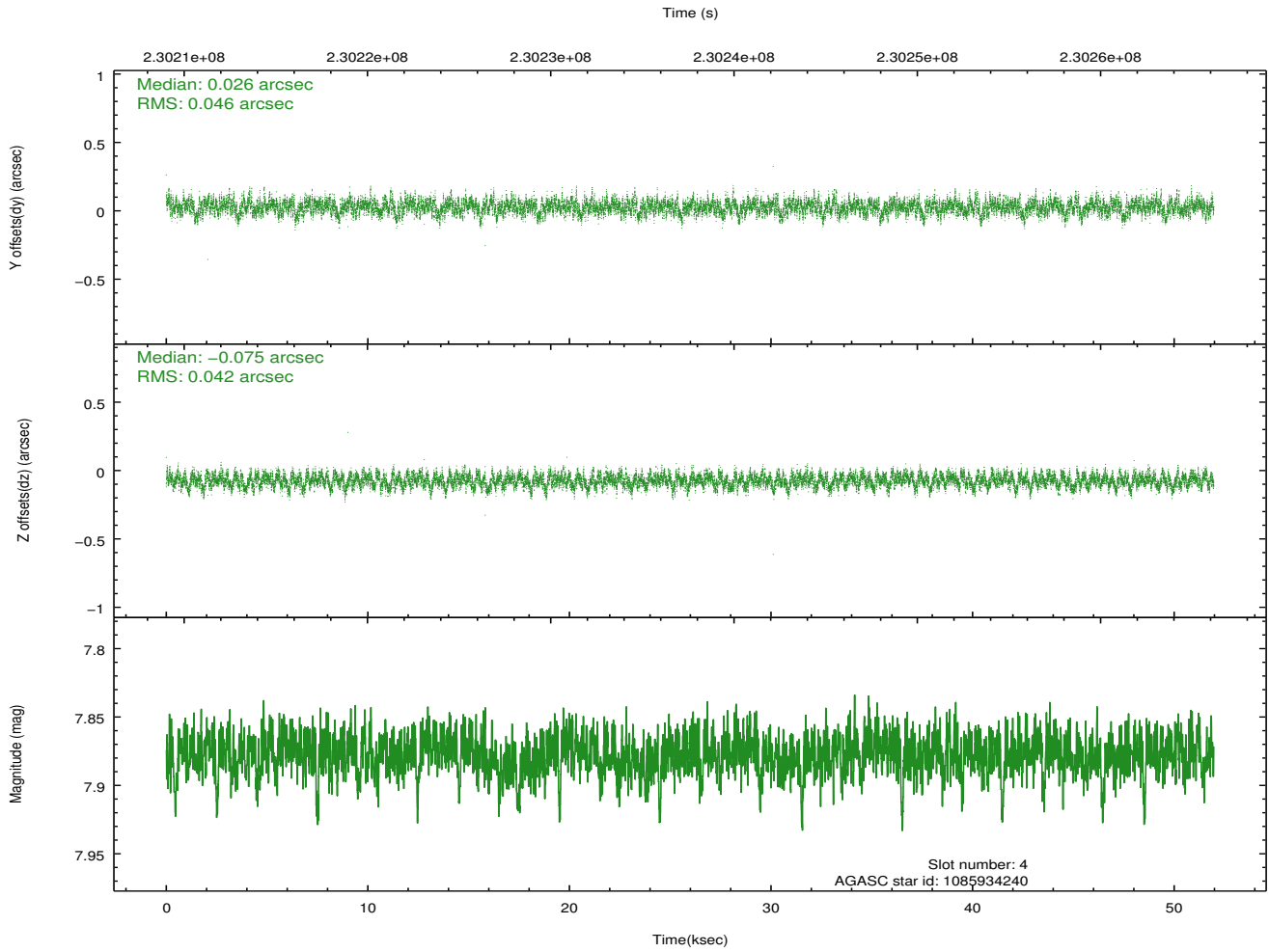
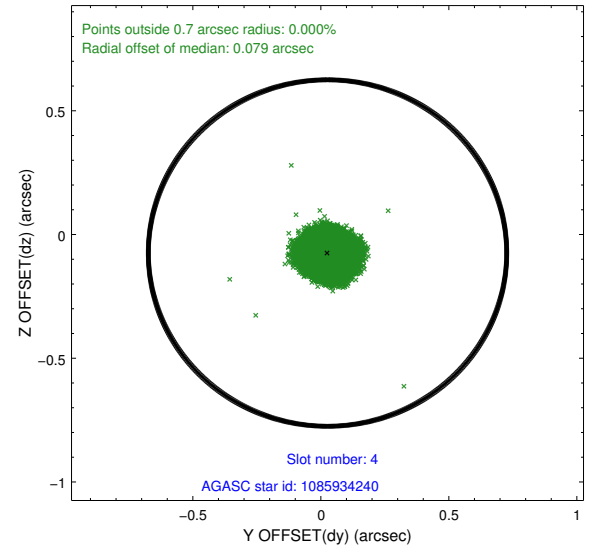
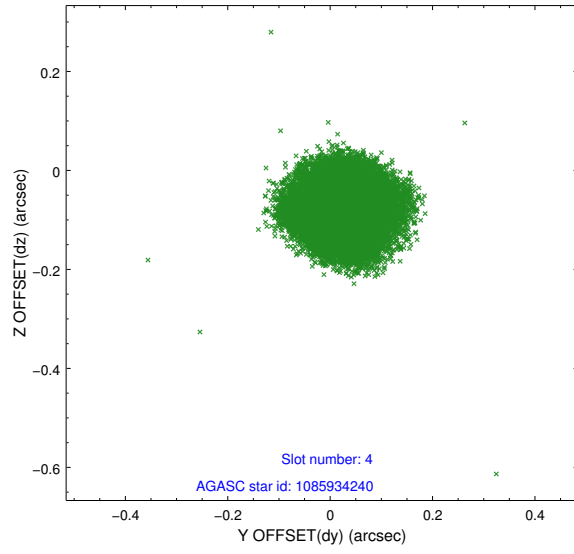
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	12676	0.110	0.100	0.010	0.017	0.000000	0.000000	936.70	-1963.14
1	FID	ACIS-S-5	7.23	12675	-0.104	0.134	0.007	0.012	0.000000	0.000000	-1812.41	-65.40
2	FID	ACIS-S-6	7.43	12675	-0.028	-0.222	0.011	0.020	0.000000	0.000000	402.29	578.05
3	GUIDE	1085562712	7.09	25350	-0.220	-0.043	0.048	0.075	216.822277	-48.636295	2186.00	1687.08
4	GUIDE	1085934240	7.88	25347	0.026	-0.075	0.067	0.104	215.229893	-49.366645	-2127.58	124.57
5	GUIDE	1085936864	7.09	25351	0.067	0.256	0.047	0.077	215.583225	-49.849370	-1767.36	-1764.55
6	GUIDE	1085937864	8.48	25340	0.231	-0.058	0.059	0.095	215.121337	-49.229826	-2251.88	665.01
7	GUIDE	1086066888	8.56	25340	-0.105	-0.078	0.055	0.089	216.705971	-49.063926	1506.96	278.58

2.4 Star Slots

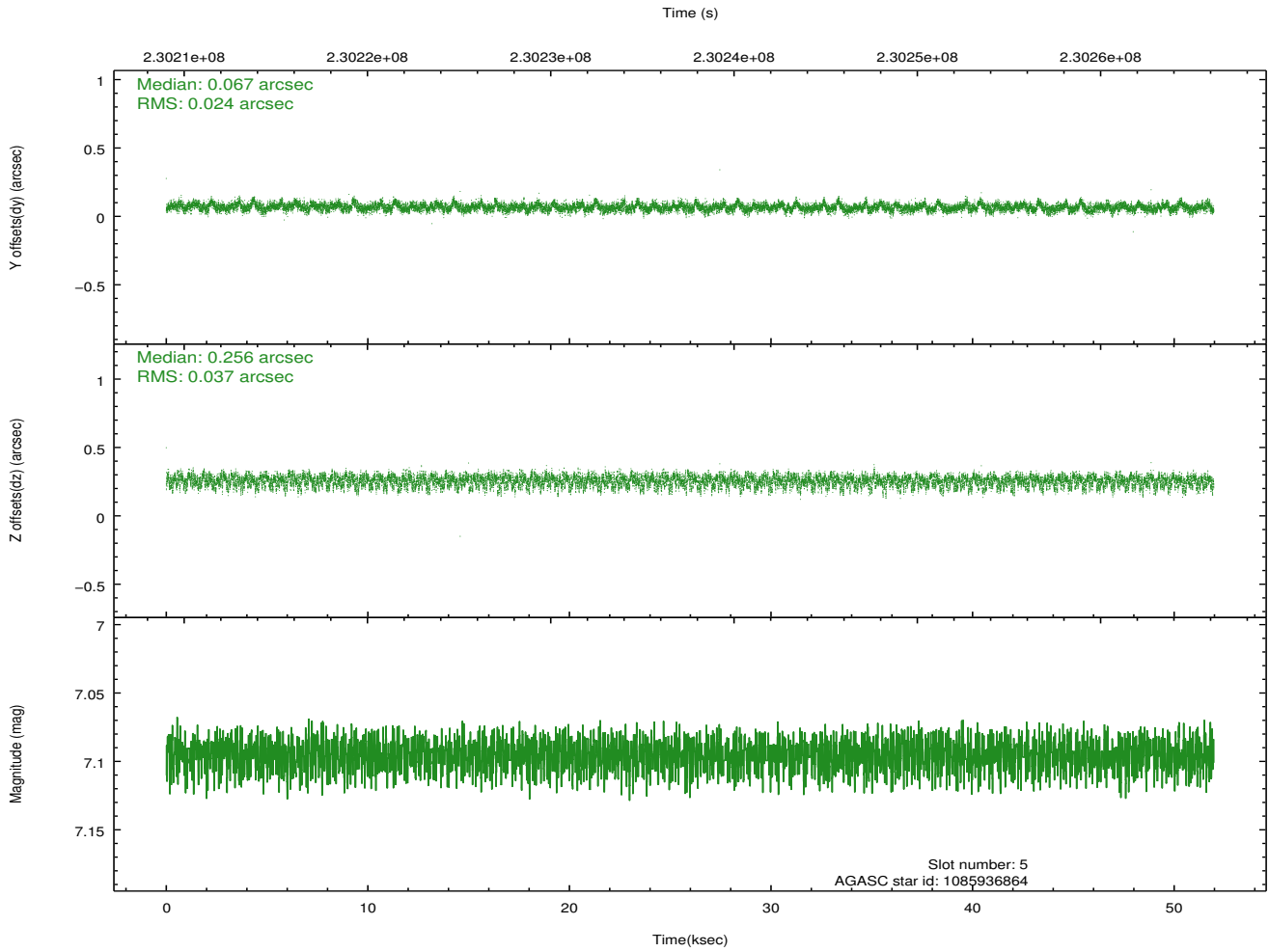
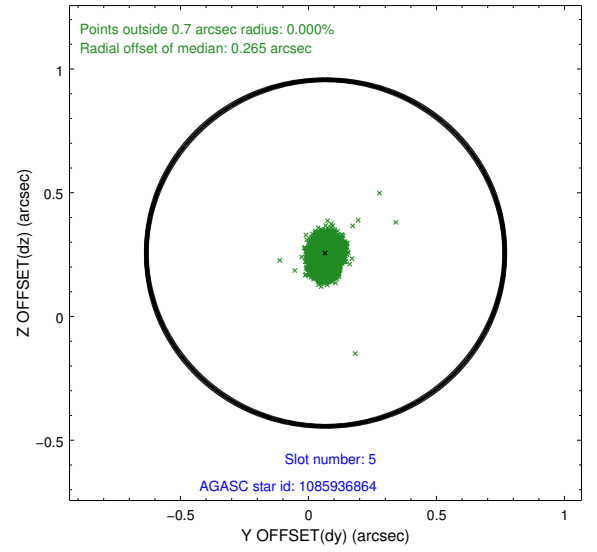
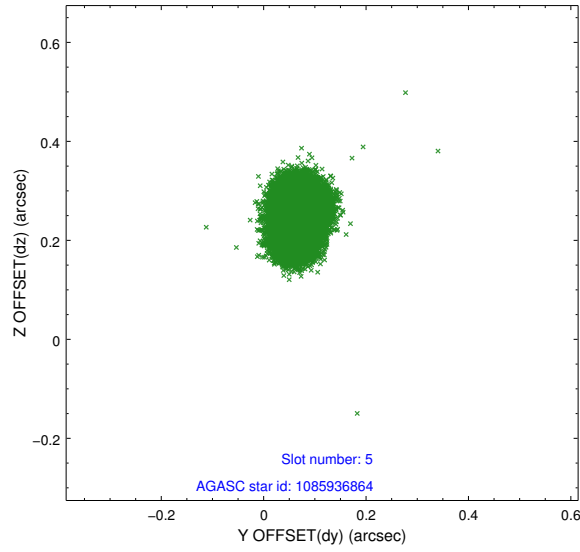
2.4.1 Slot 3



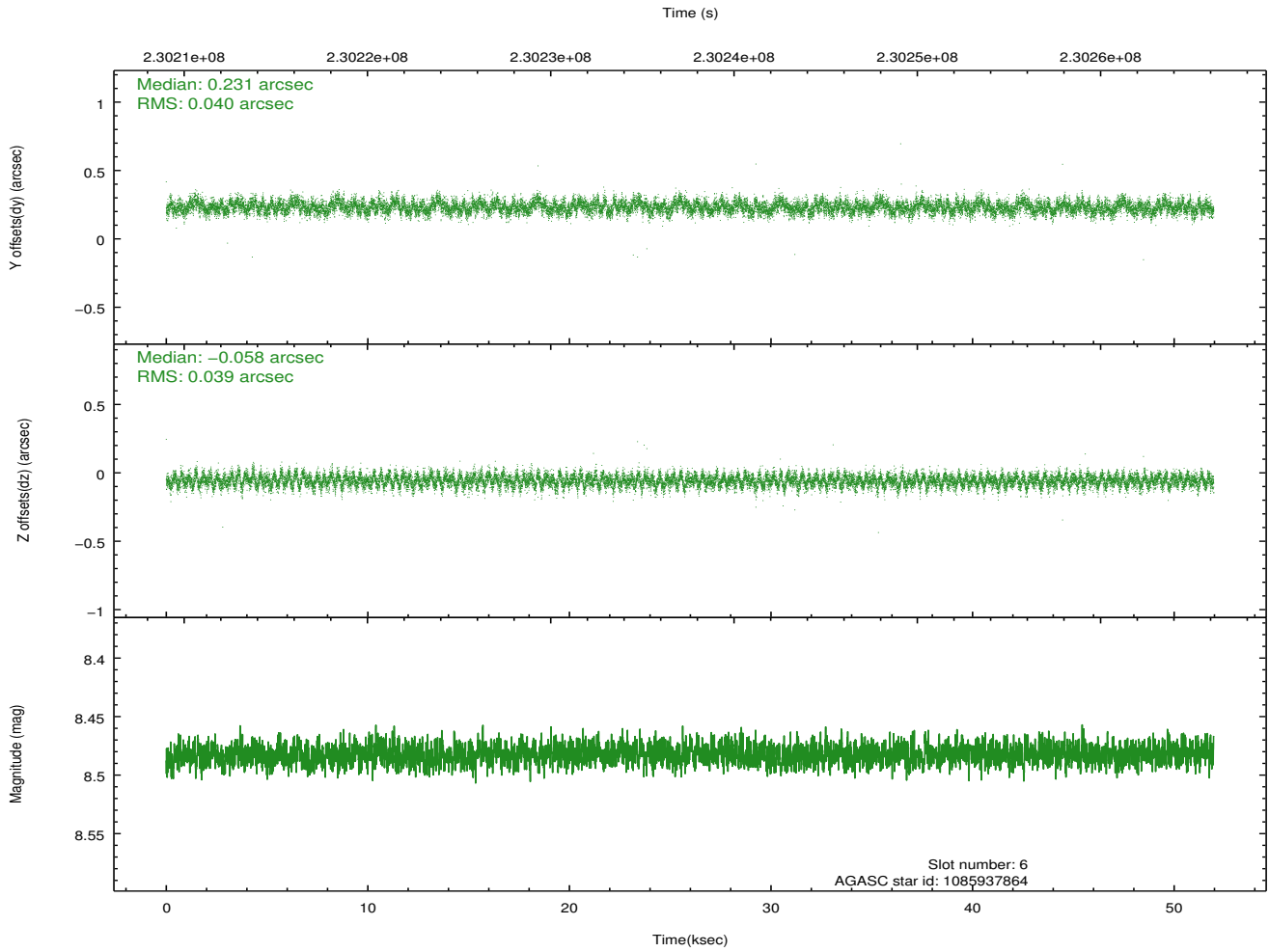
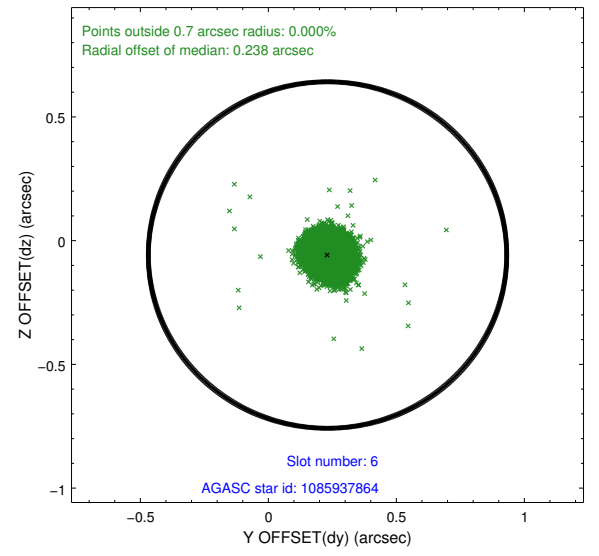
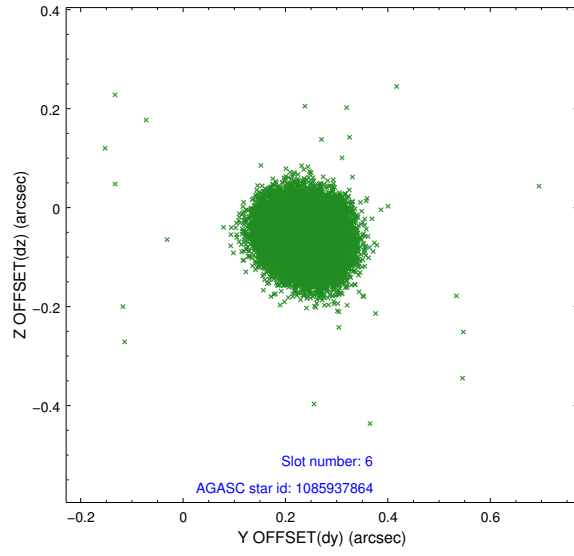
2.4.2 Slot 4



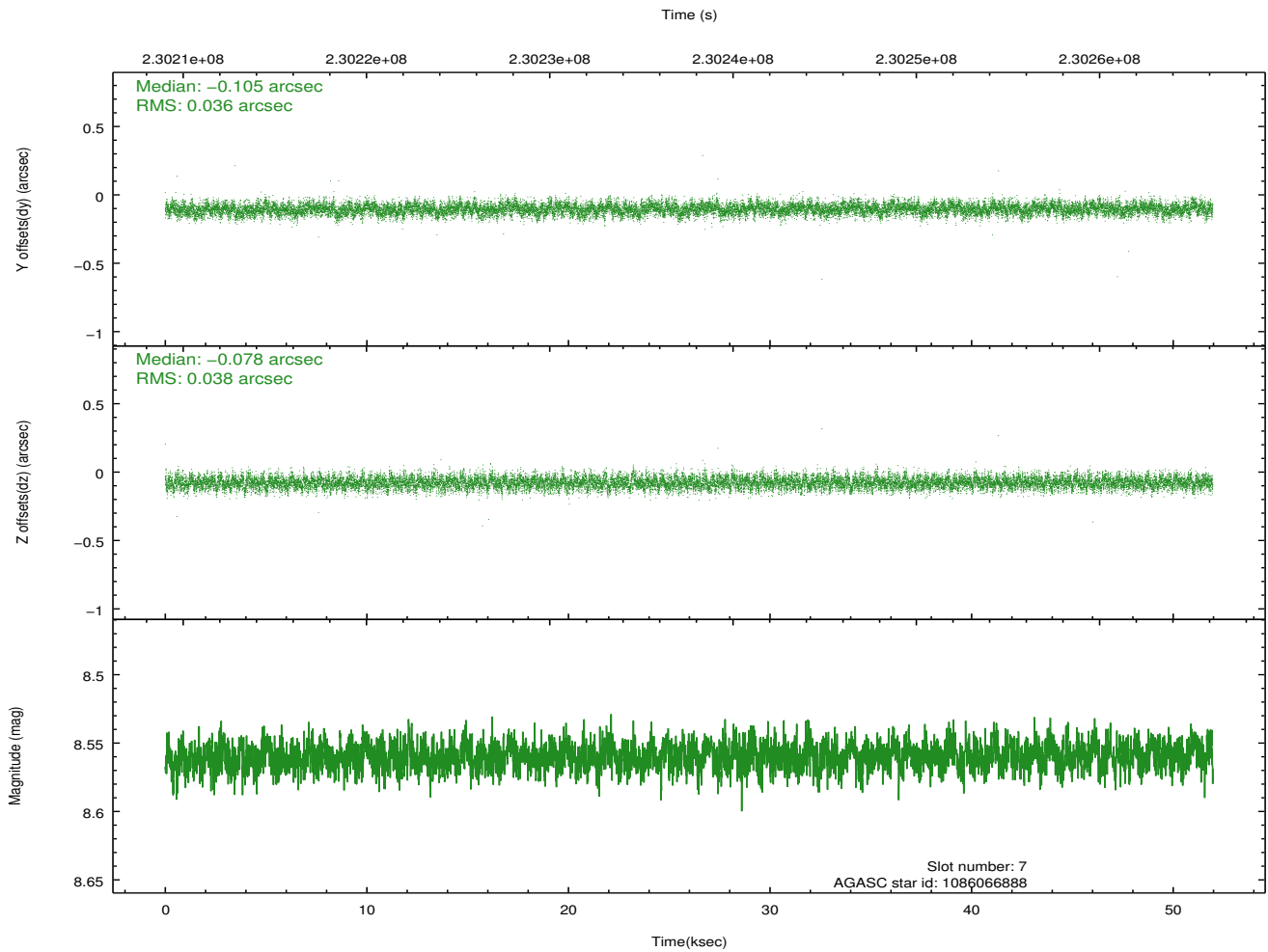
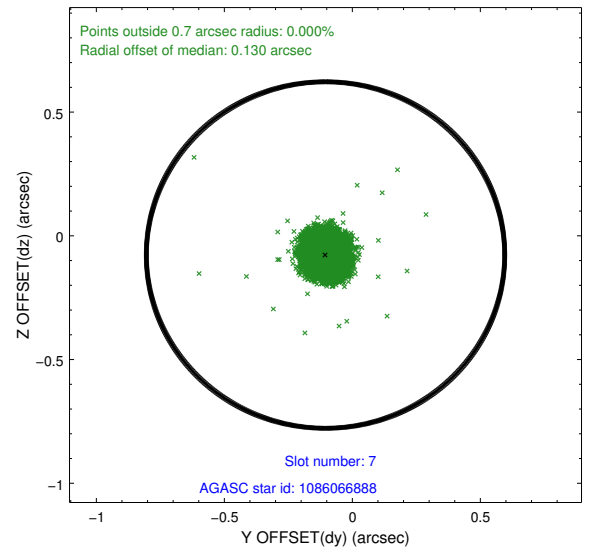
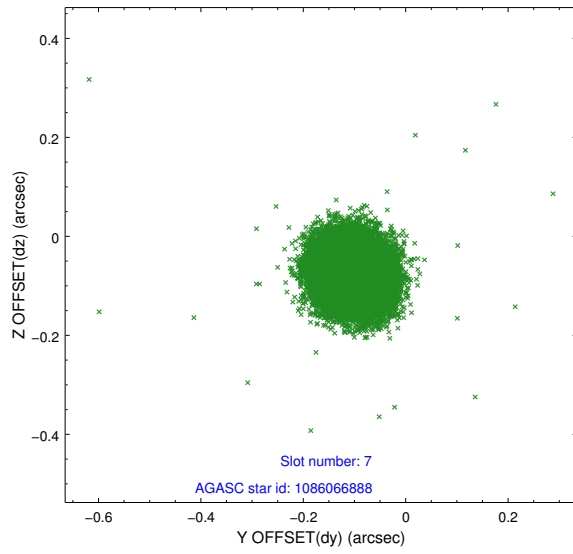
2.4.3 Slot 5



2.4.4 Slot 6

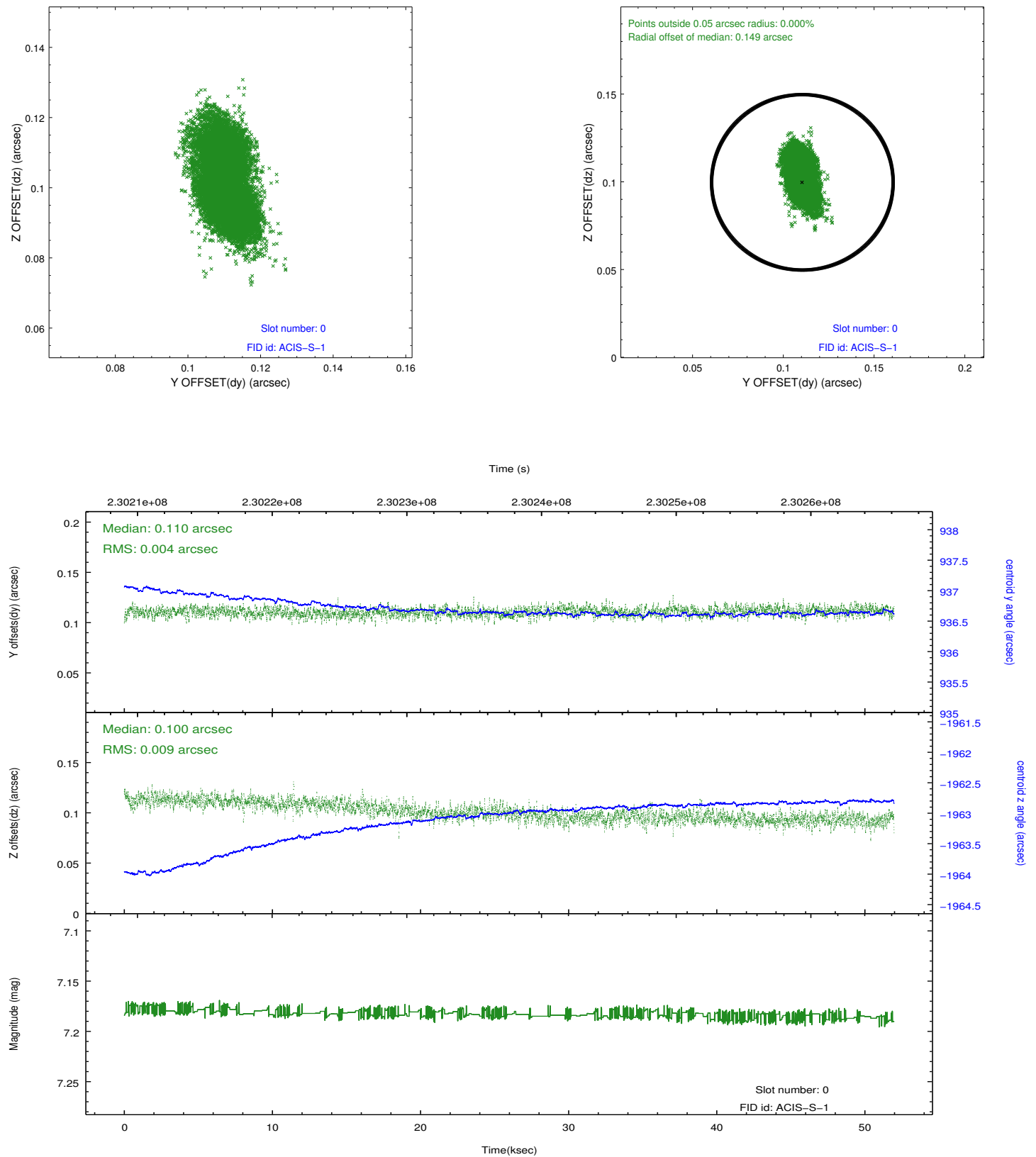


2.4.5 Slot 7

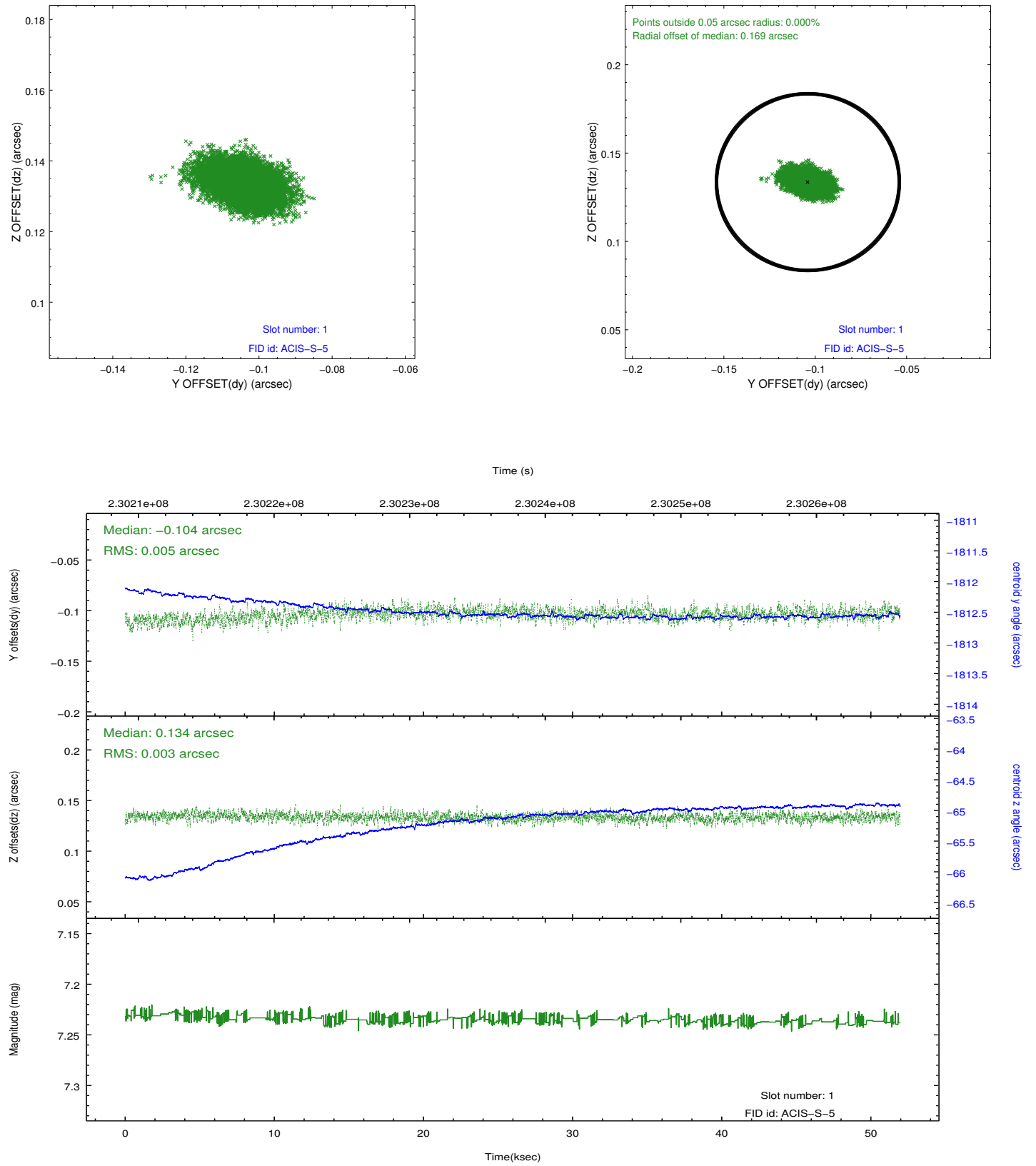


2.5 FID Slots

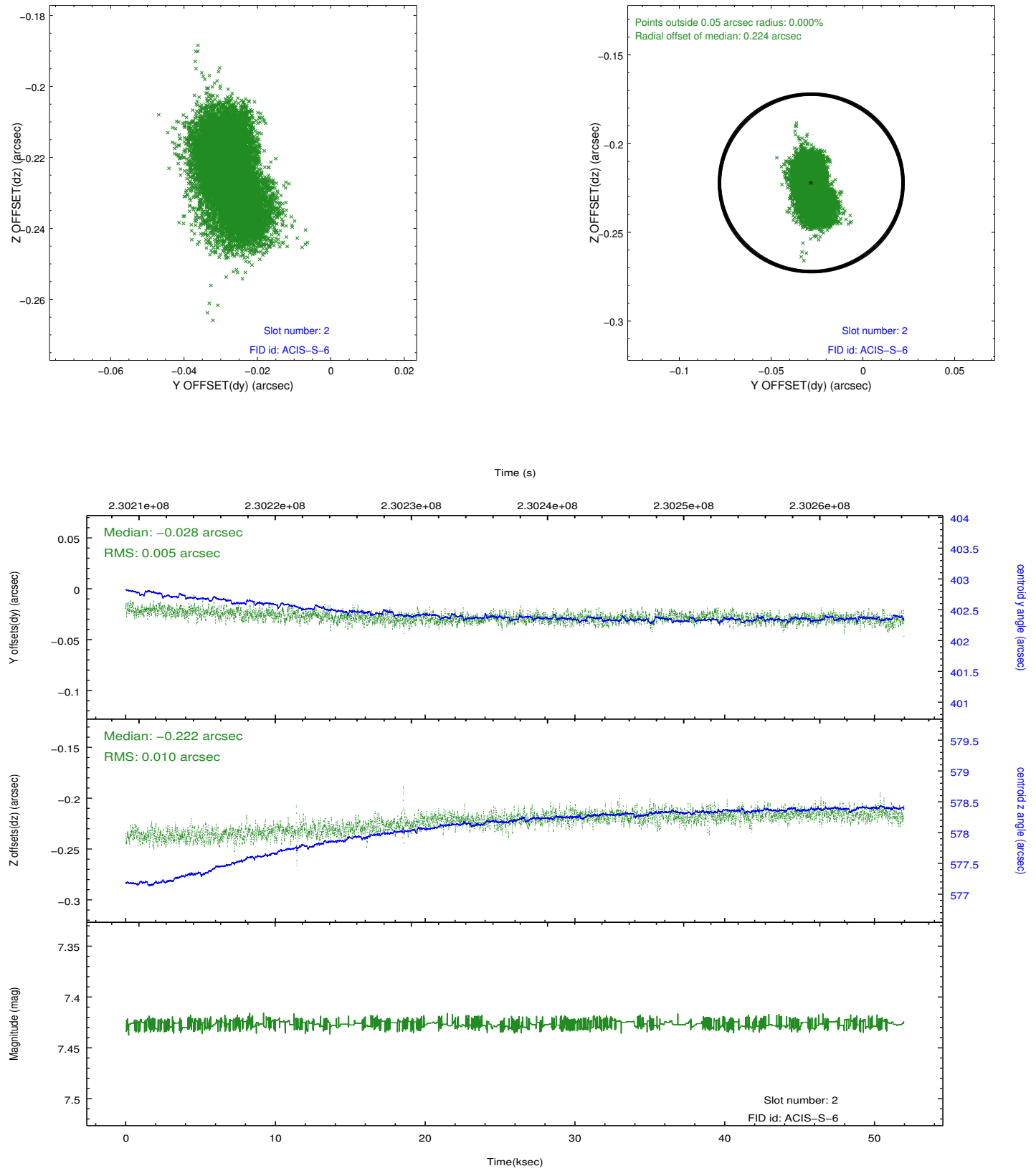
2.5.1 Slot 0



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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.9656

A.2 Comments

Joint Proposal: HST. Roll preference met.

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Placement of source near edge of subarray was deliberate. The intent was to avoid the readout streak on the chip.