

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2399 - L2 Version 3
Chandra X-Ray Center

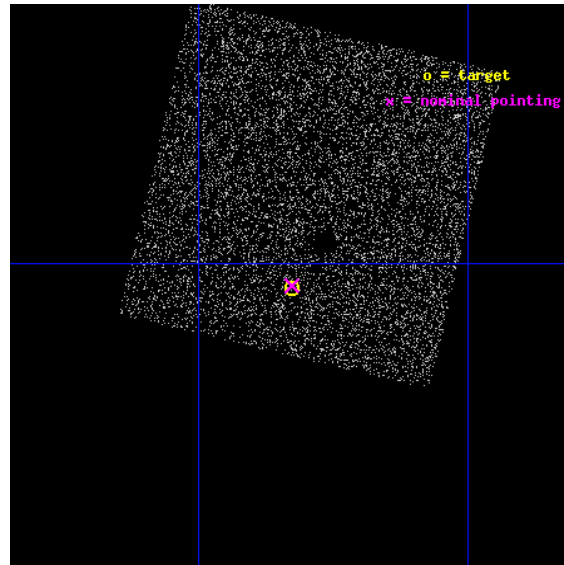
L2 Processing Date : Sep 4 2012

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1 Front

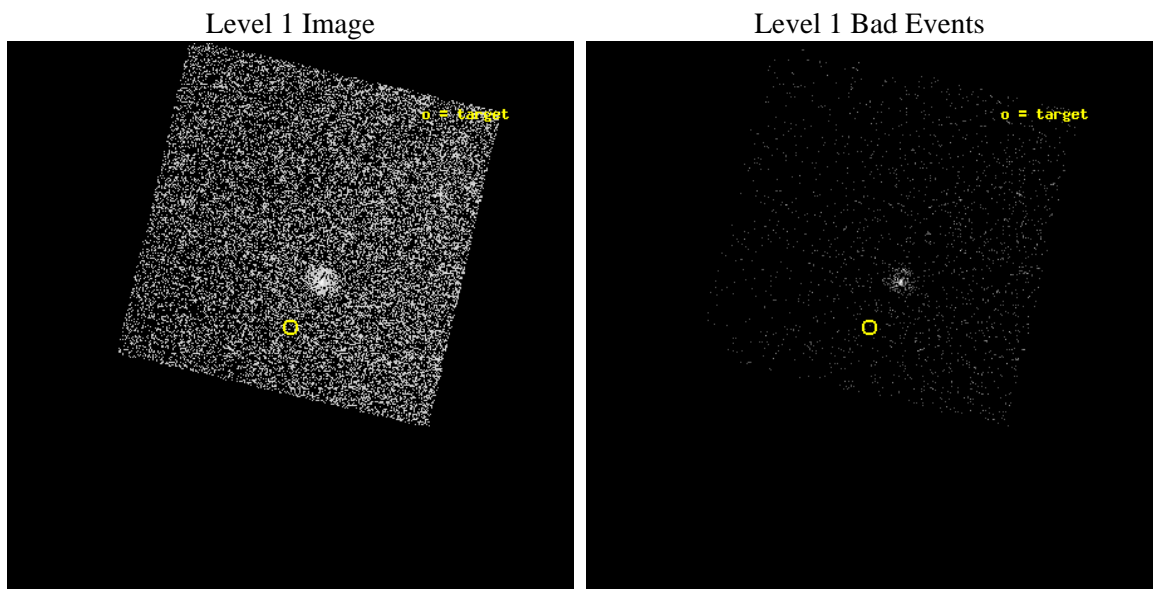
seq_num	190001	Sequence number
obs_id	2399	Observation id
title	ACIS OBSERVATIONS OF JUPITER	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	JUPITER	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	61.706283	Observer's specified target RA [deg]
dec_targ	19.989669	Observer's specified target Dec [deg]
ra_nom	61.706630653871	Nominal RA [deg]
dec_nom	19.990489194263	Nominal Dec [deg]
roll_nom	283.13837443311	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3343.6886158735	Sum of GTIs [s]
livetime	3298.5642568399	Livetime [s]
ontime7	3343.6886158735	Sum of GTIs [s]
l2events	10178	Number of level 2 events



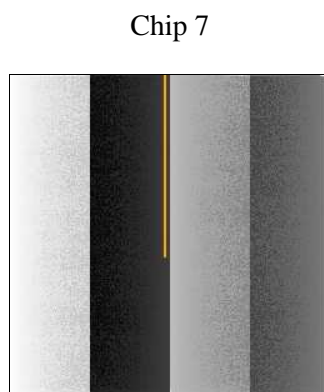
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3343.6886158735	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	3343.6886158735	Sum of GTIs [s]
date	2012-09-05T01:12:21	Date and time of file creation	l1events	25854	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	25854
rejected events	15517
rejected %	60%

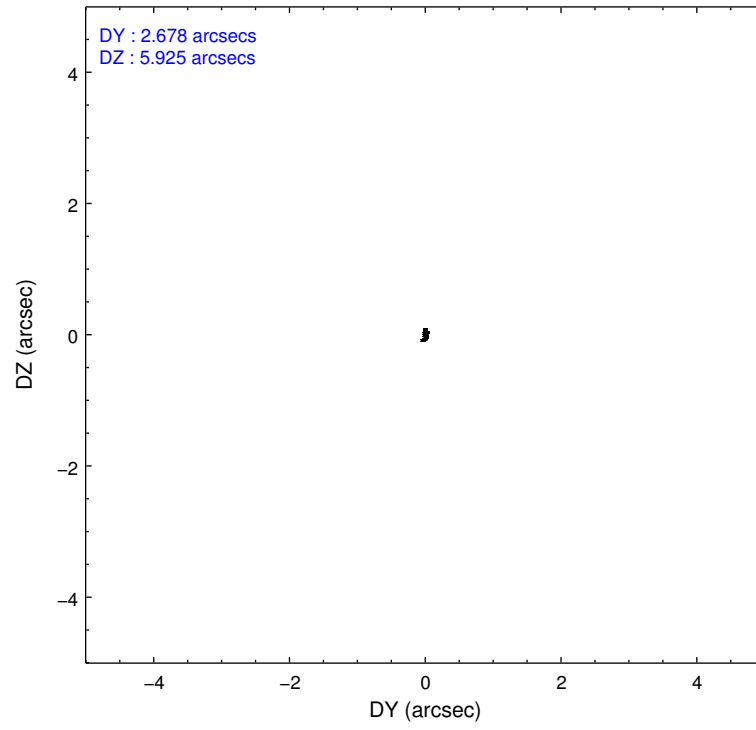
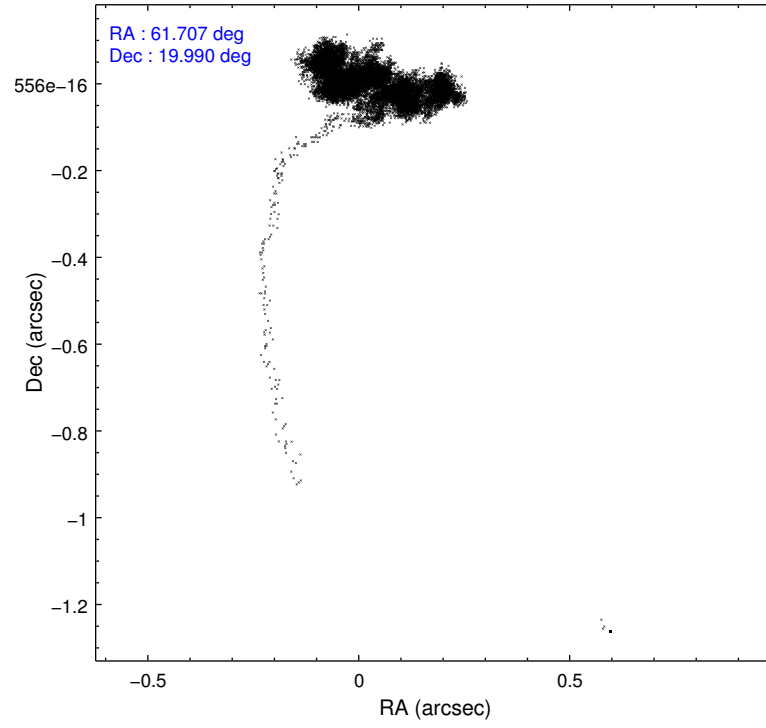
	ccd 7
grade 0 events	847
	3%
grade 1 events	14
	0%
grade 2 events	2138
	8%
grade 3 events	859
	3%
grade 4 events	861
	3%
grade 5 events	2429
	9%
grade 6 events	5638
	21%
grade 7 events	13068
	50%

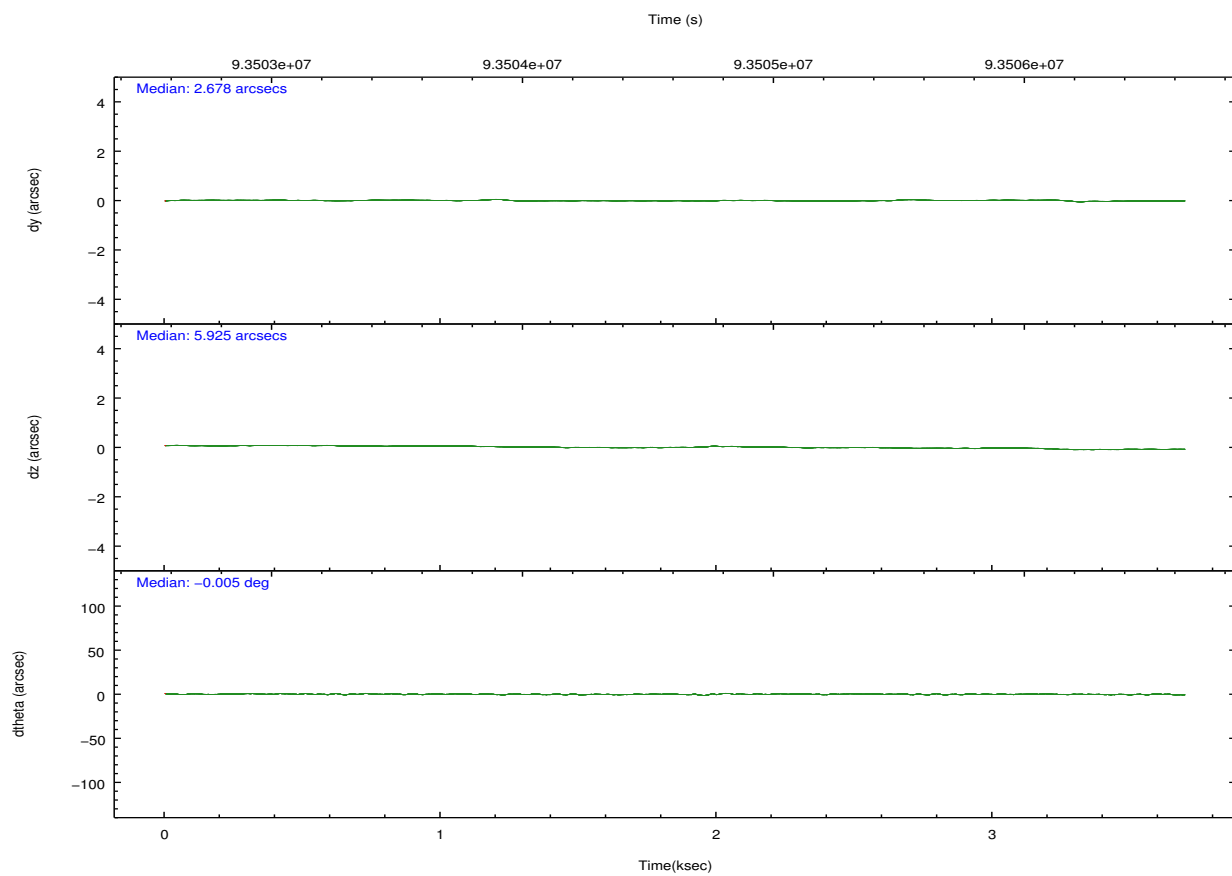
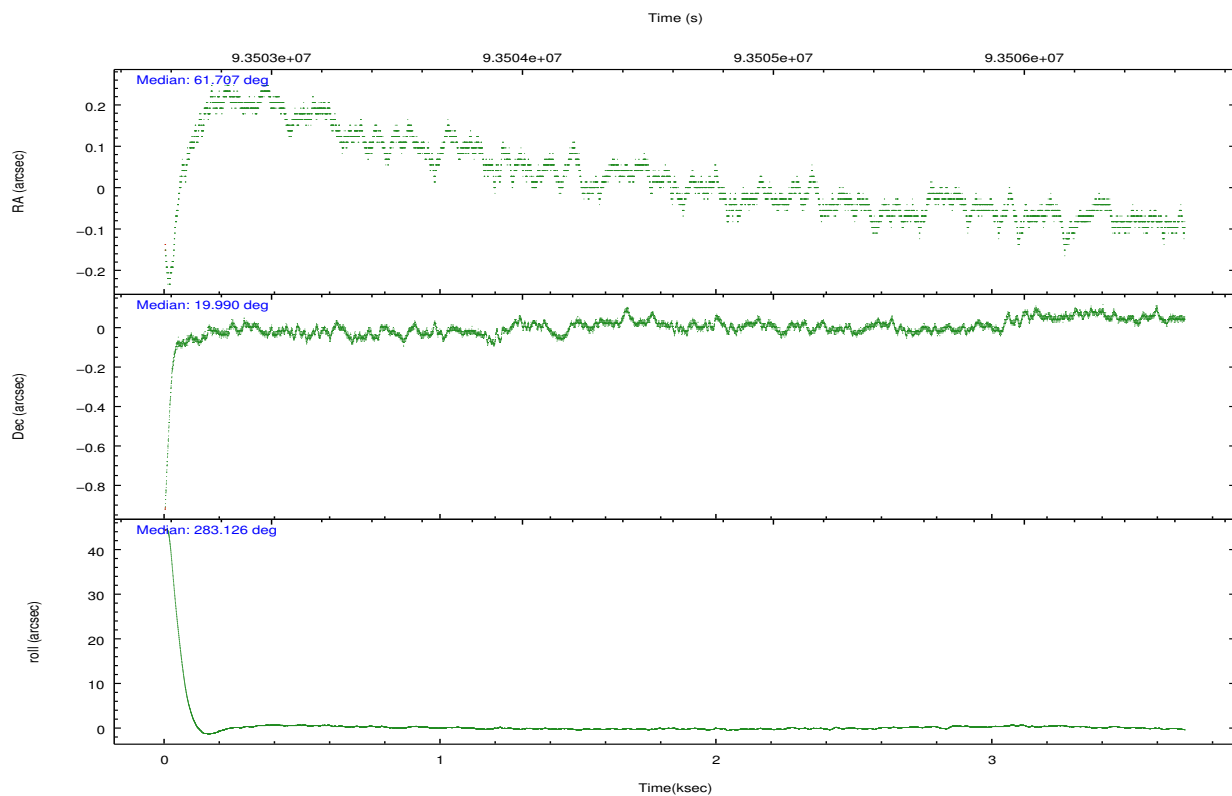
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	61.686534	61.7066306538711
[deg] Pointing Dec	20.010271	19.99048919426315
[deg] Pointing Roll	282.988454	283.1383744331091
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	93502960.184000	93502485.068151
Observation start date	2000-12-18T05:01:36	2000-12-18T04:54:45
[s] Observation end time (MET)	93506460.184000	93506594.293308
Observation end date	2000-12-18T05:59:56	2000-12-18T06:03:14
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3

2.3 Aspect



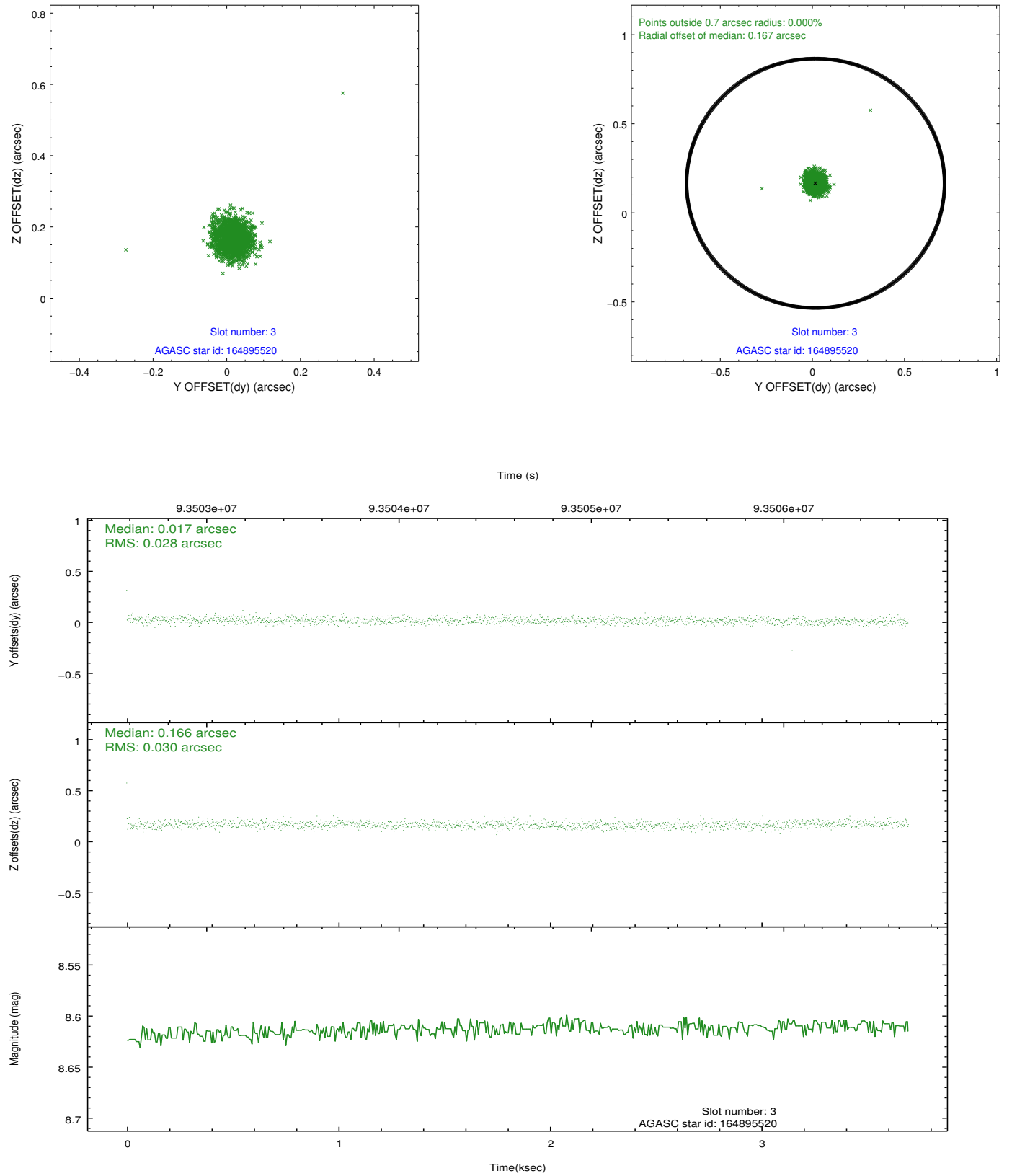


Slot Statistics

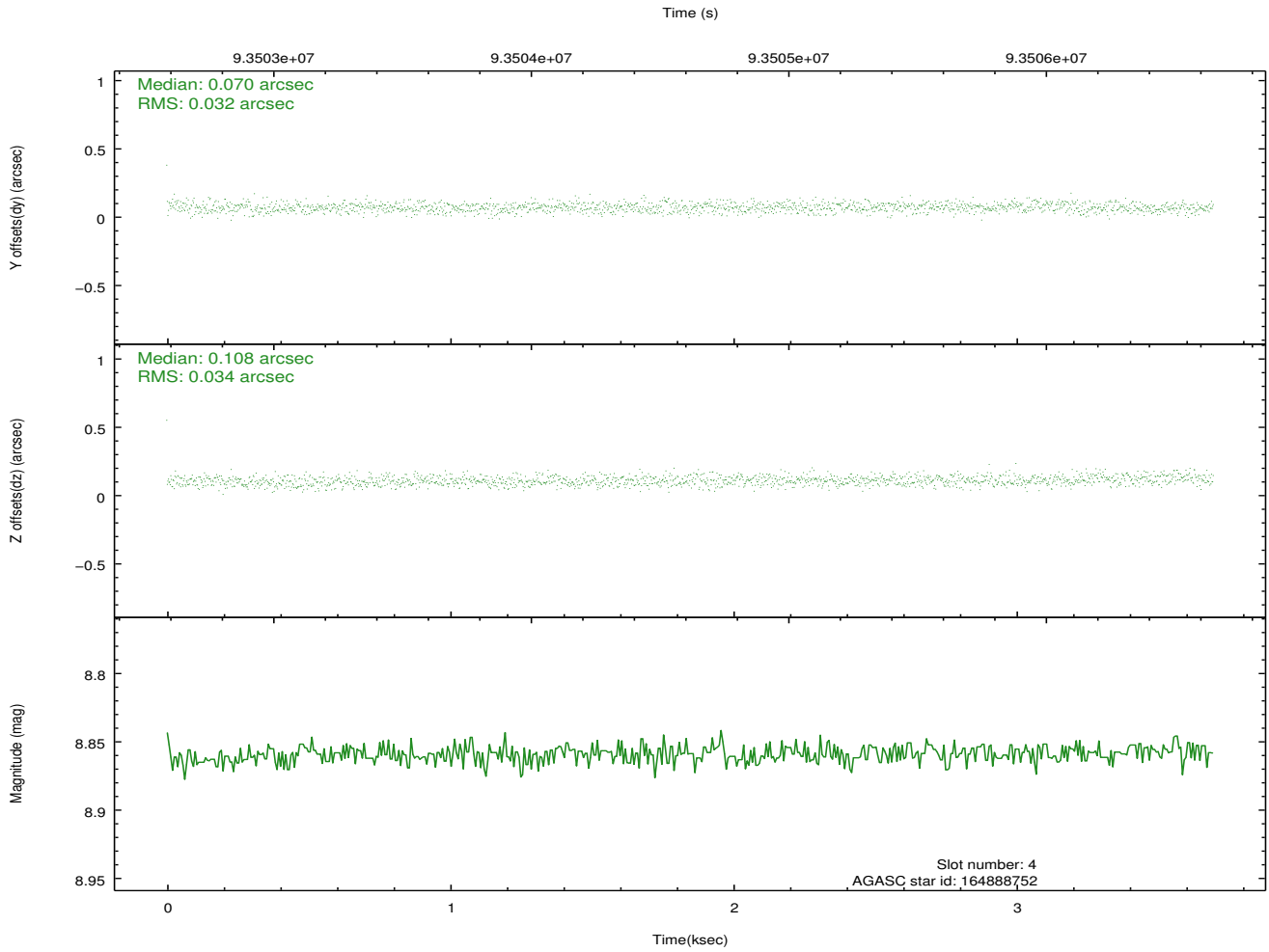
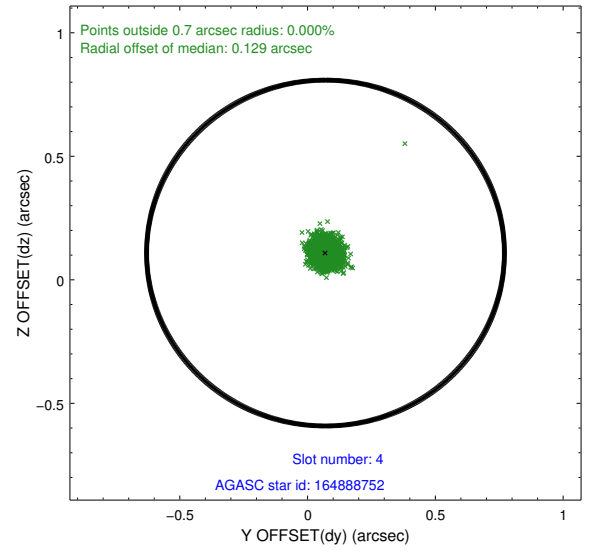
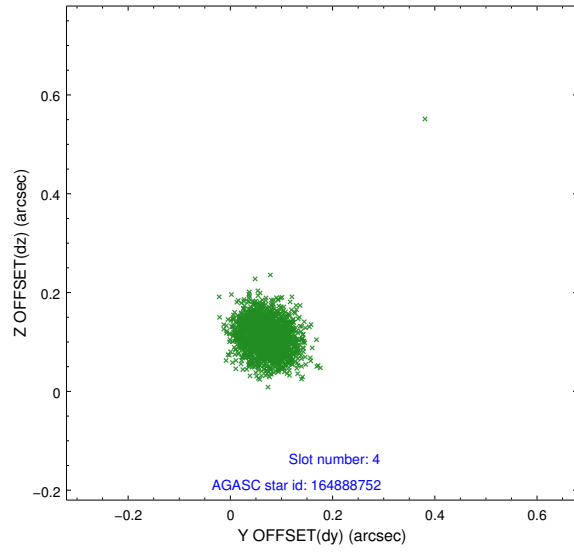
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	902	-0.028	0.018	0.007	0.012	0.000000	0.000000	-755.31	-1727.06
1	FID	ACIS-S-4	7.21	902	-0.030	0.009	0.005	0.010	0.000000	0.000000	2157.17	179.70
2	FID	ACIS-S-5	7.24	902	0.025	-0.017	0.007	0.012	0.000000	0.000000	-1805.94	175.23
3	GUIDE	164895520	8.61	1804	0.017	0.166	0.040	0.066	61.309800	20.139312	-740.41	-1136.37
4	GUIDE	164888752	8.86	1804	0.070	0.108	0.048	0.076	61.568386	19.874602	385.22	-500.31
5	GUIDE	164890352	9.05	1803	-0.054	-0.036	0.050	0.083	61.028629	19.972872	-373.20	-2199.09
6	GUIDE	165022968	9.59	1803	-0.058	-0.037	0.071	0.122	62.230781	20.386000	-909.28	2092.48
7	GUIDE	165021720	9.62	1803	0.026	-0.202	0.070	0.117	62.234537	20.170723	-150.93	1935.51

2.4 Star Slots

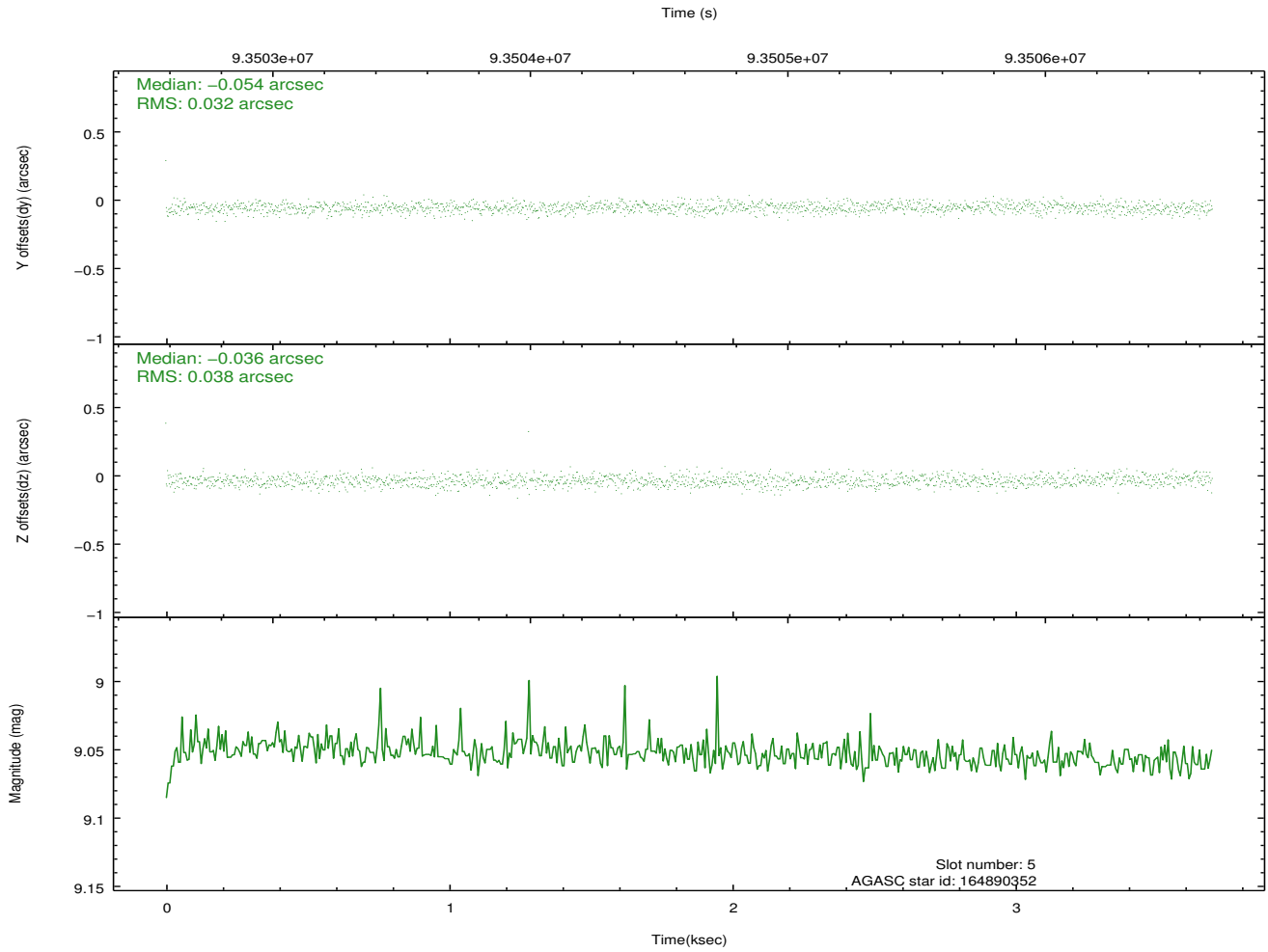
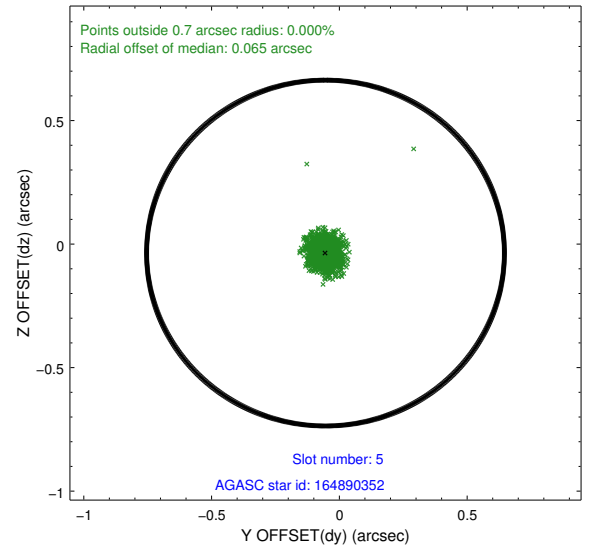
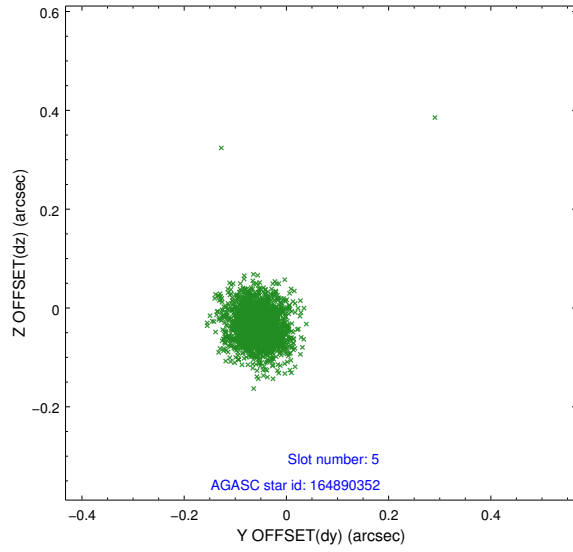
2.4.1 Slot 3



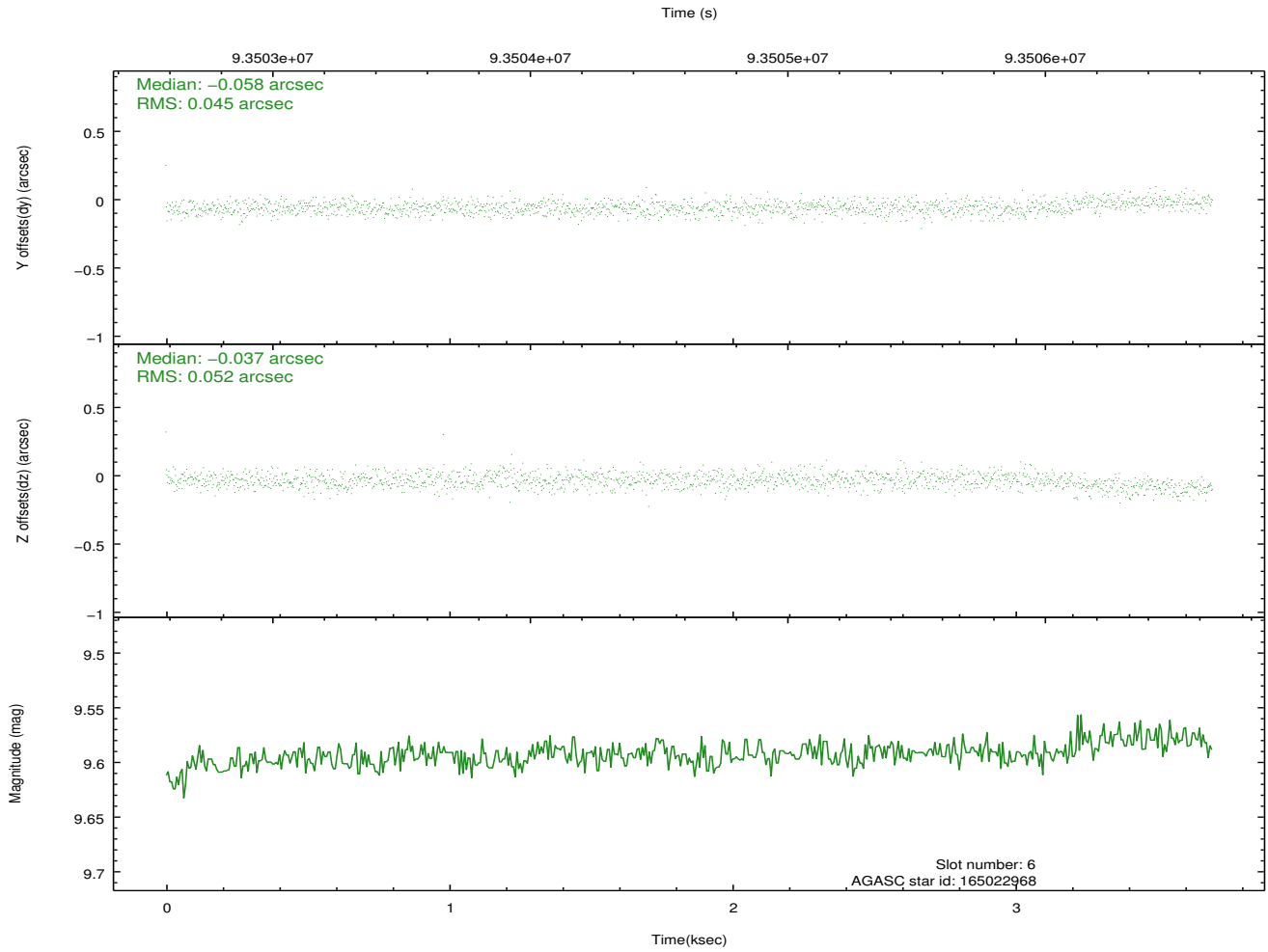
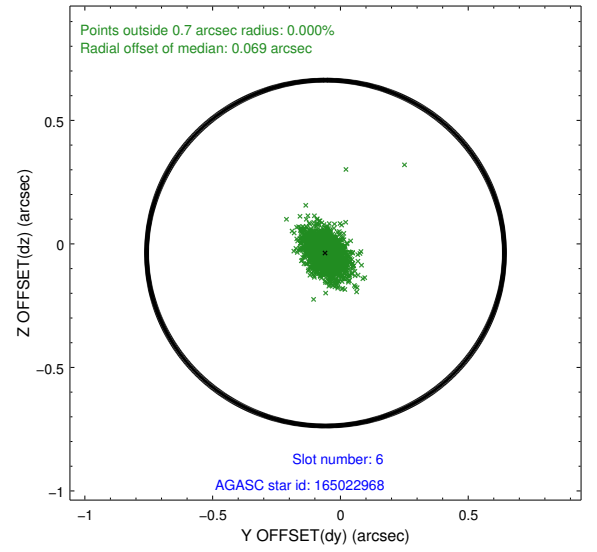
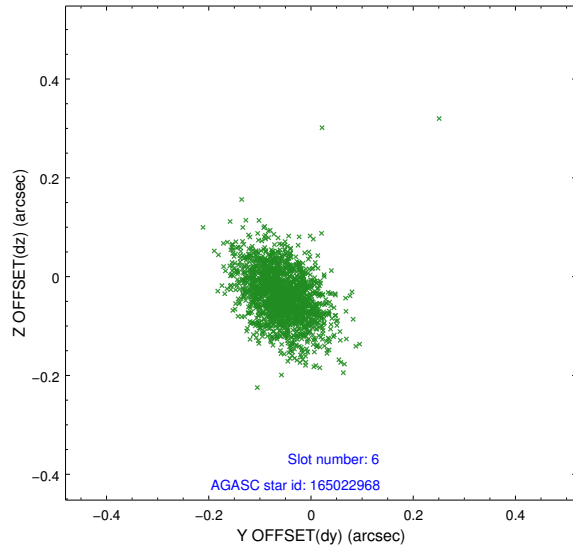
2.4.2 Slot 4



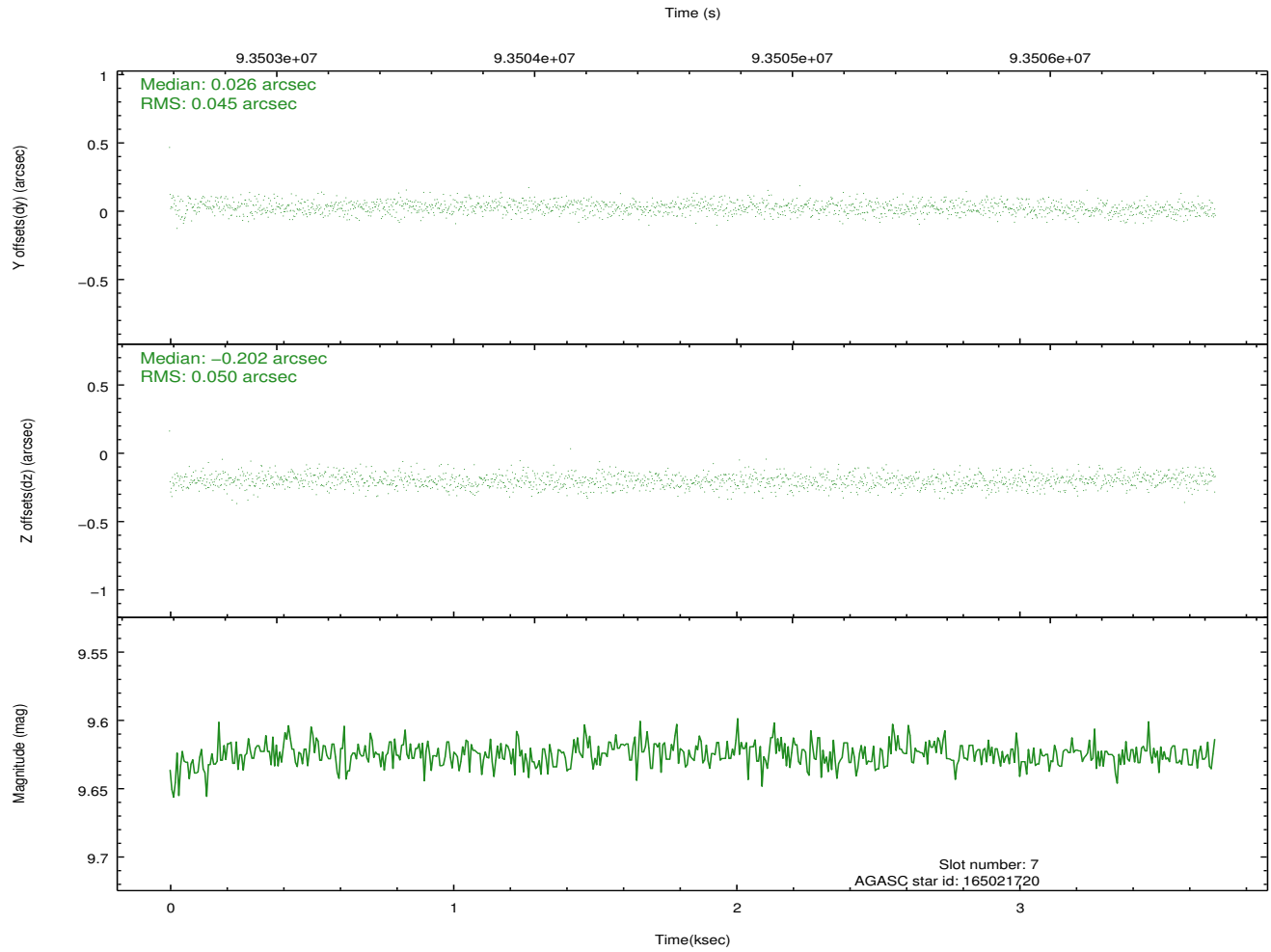
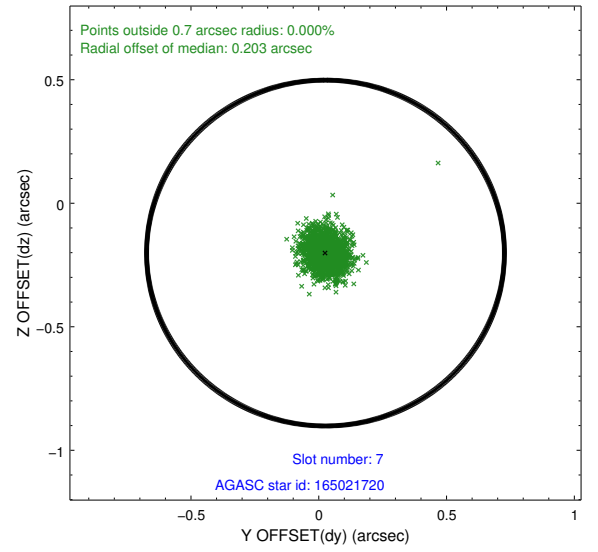
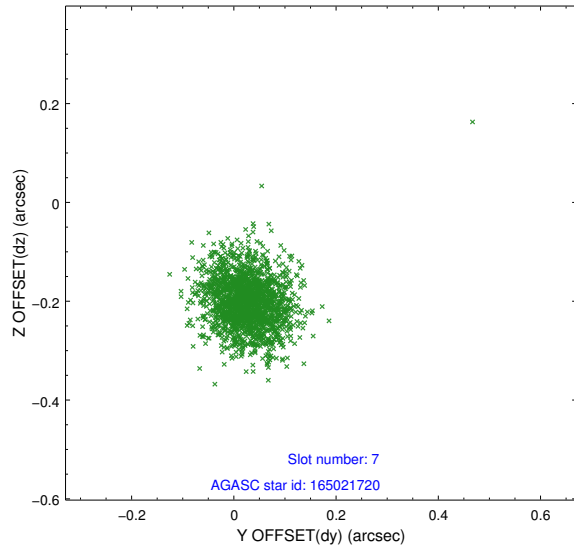
2.4.3 Slot 5



2.4.4 Slot 6

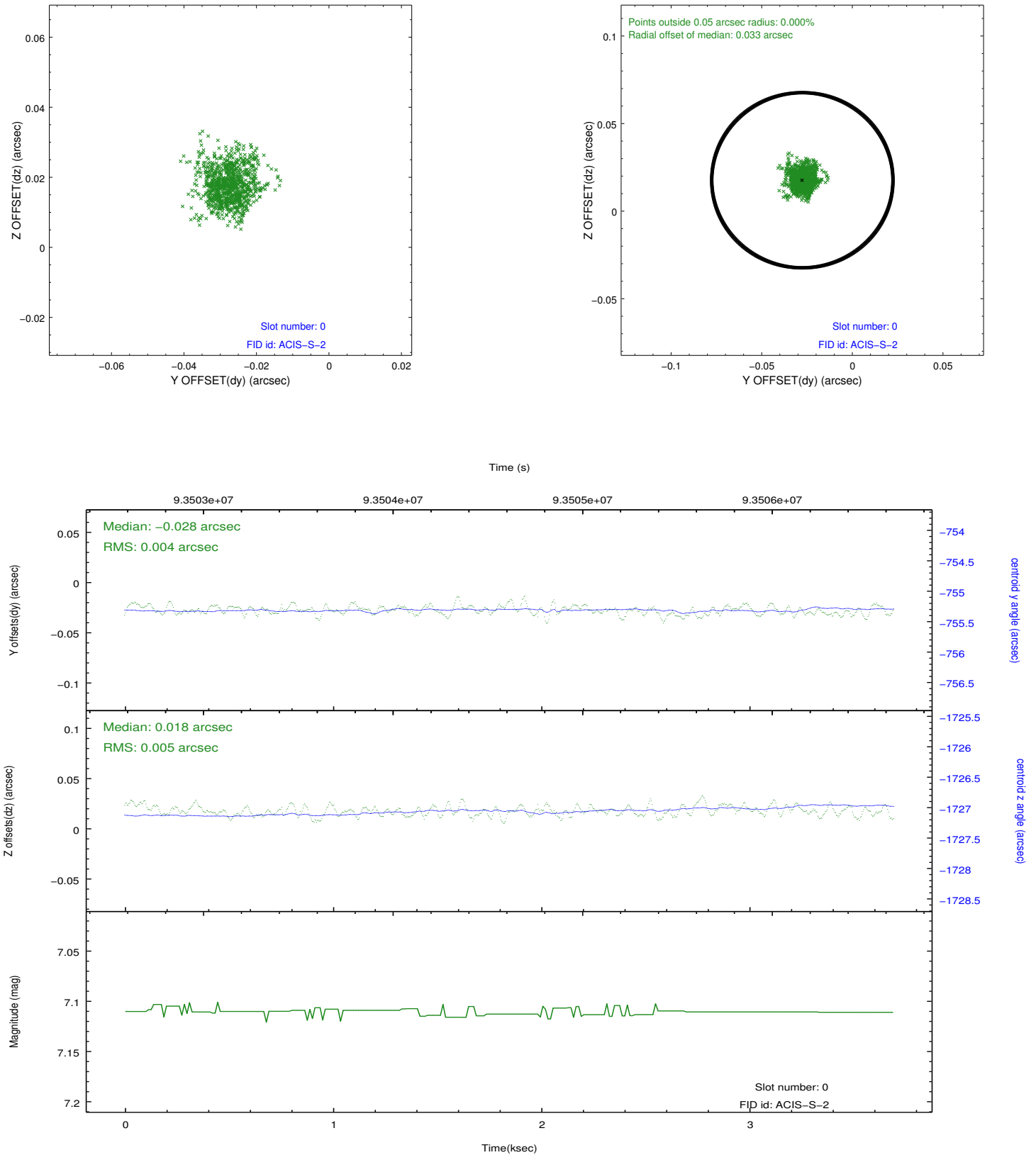


2.4.5 Slot 7

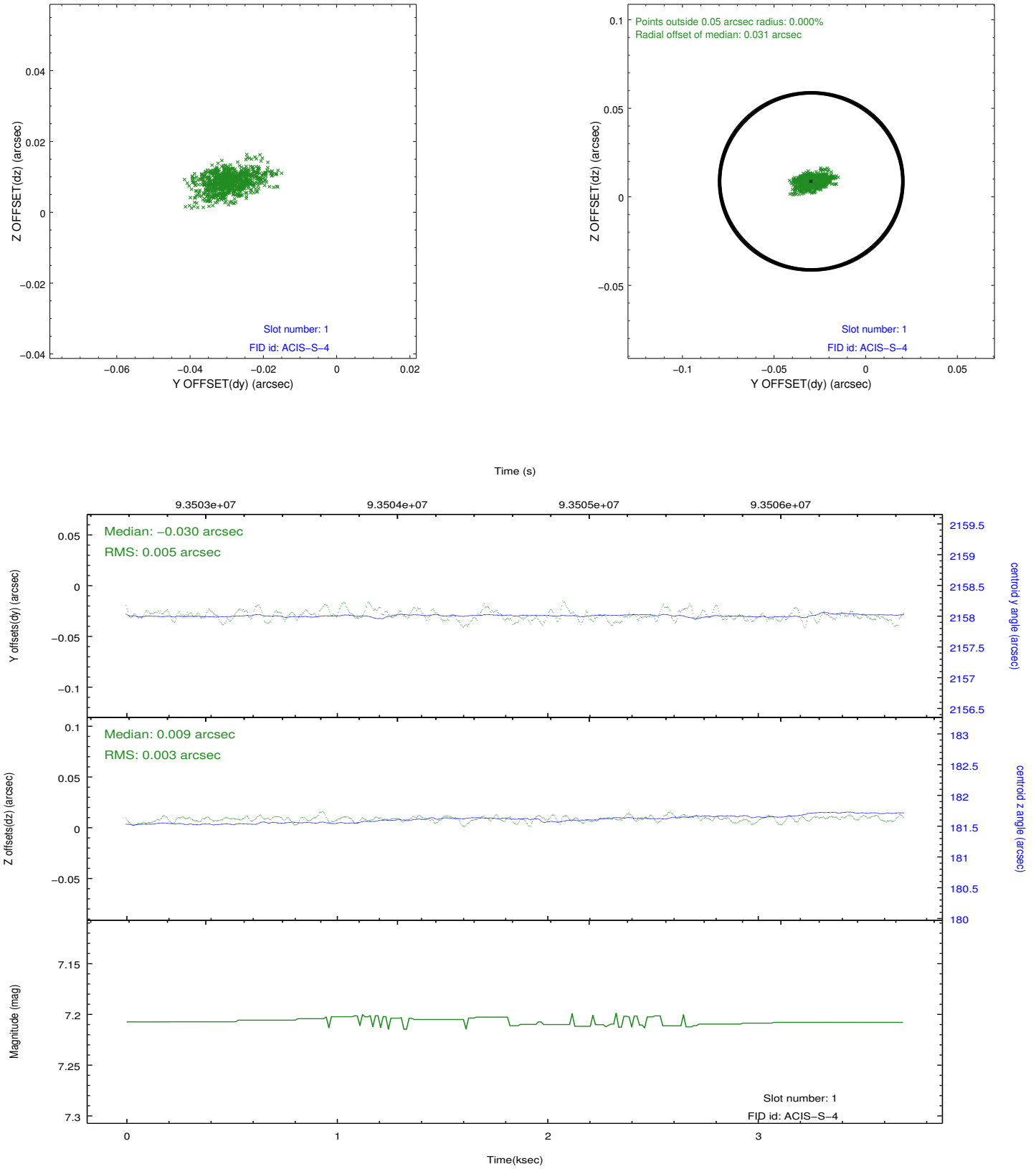


2.5 FID Slots

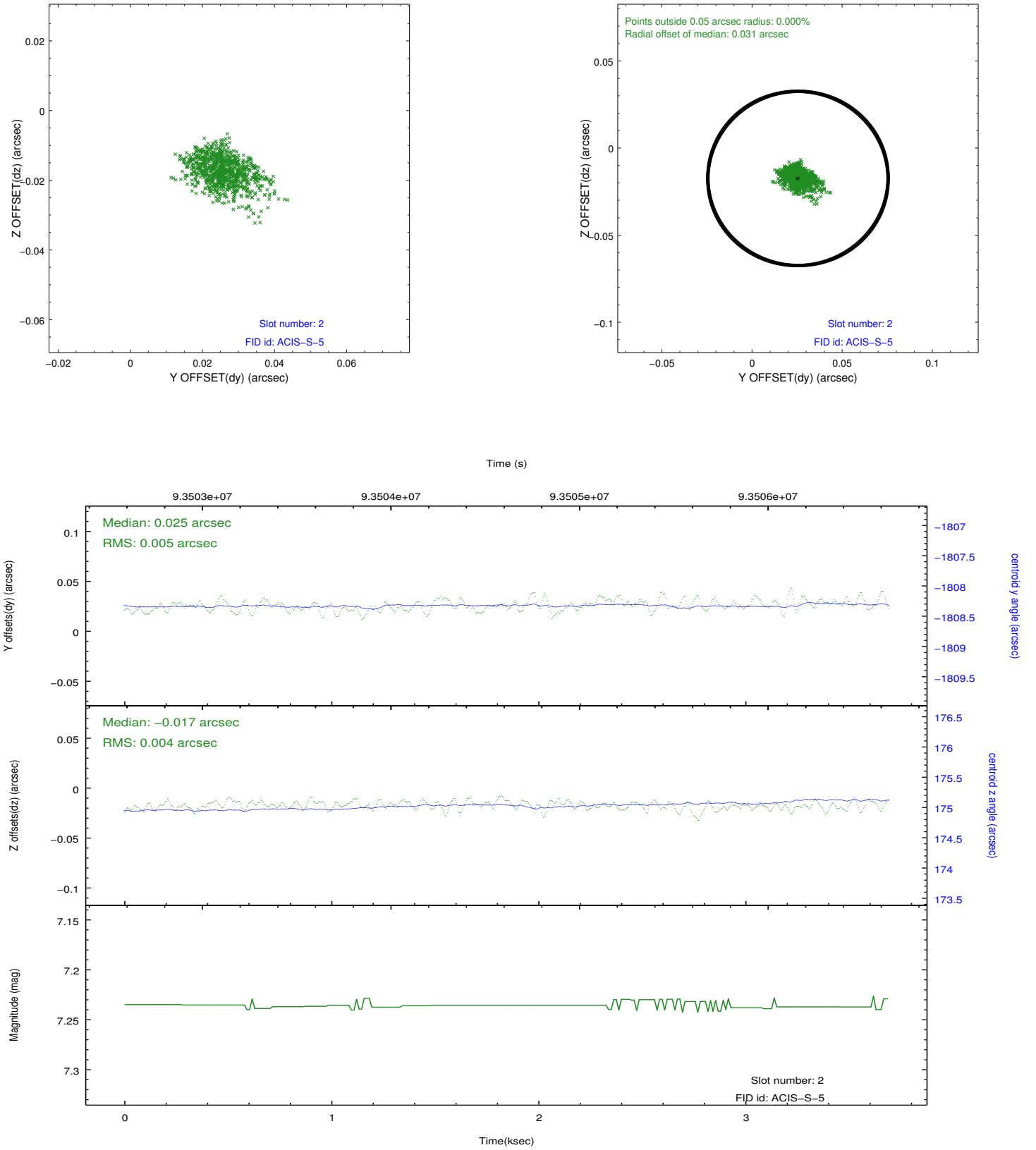
2.5.1 Slot 0



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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.345

A.2 Comments

Although the level one event file shows a source, all the events associated with that source have been removed in the level two event file: all of these events are grade 7 and therefore do not pass the final level of processing.