

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5523 - L2 Version 6
Chandra X-Ray Center

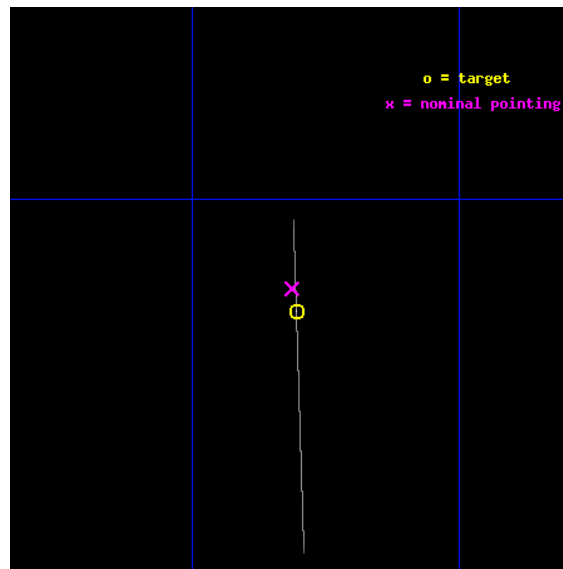
L2 Processing Date : Dec 17 2012

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1 Front

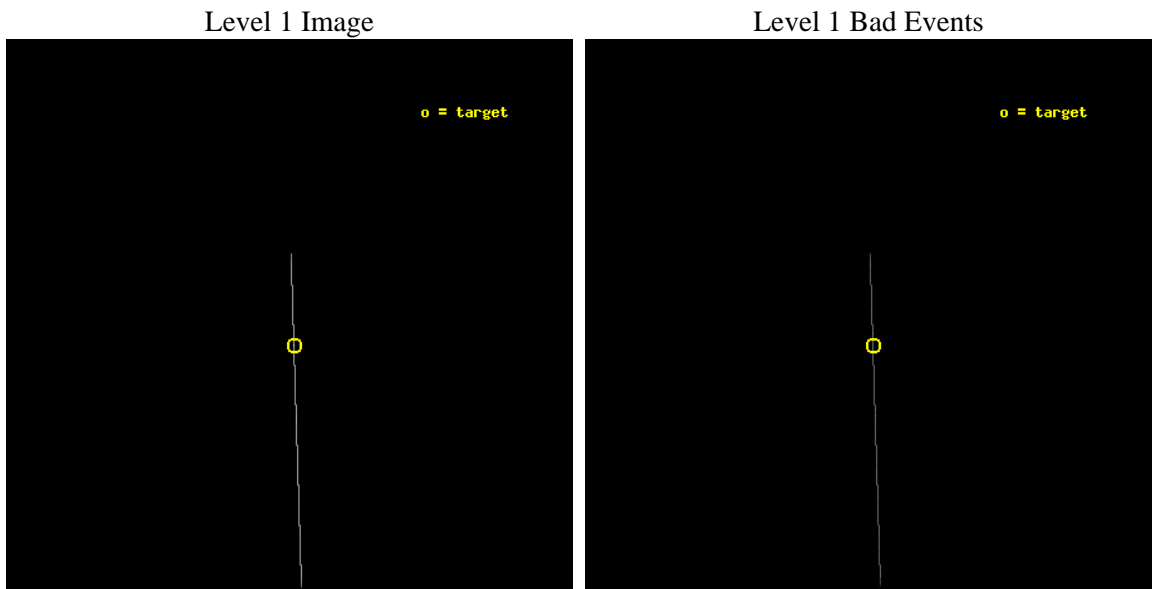
seq_num	500517	Sequence number
obs_id	5523	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J1308.8+2127	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J1308.8+2127	Source name
ra_targ	197.20125	Observer's specified target RA [deg]
dec_targ	21.451889	Observer's specified target Dec [deg]
ra_nom	197.20338378167	Nominal RA [deg]
dec_nom	21.461433342104	Nominal Dec [deg]
roll_nom	88.155783191214	Nominal Roll [deg]
revision	6	Processing version of data
ontime	5678.75	Sum of GTIs [s]
livetime	5656.5673828125	Livetime [s]
ontime7	5678.75	Sum of GTIs [s]
l2events	24587	Number of level 2 events



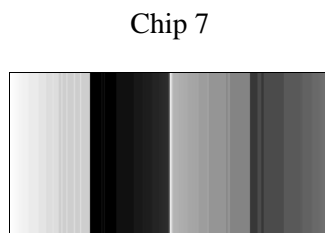
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5500.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5678.75	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	5678.75	Sum of GTIs [s]
date	2012-12-17T19:24:17	Date and time of file creation	l1events	32752	Number of level 1 events
revision	6	Processing version of data			

2.1.4 Events

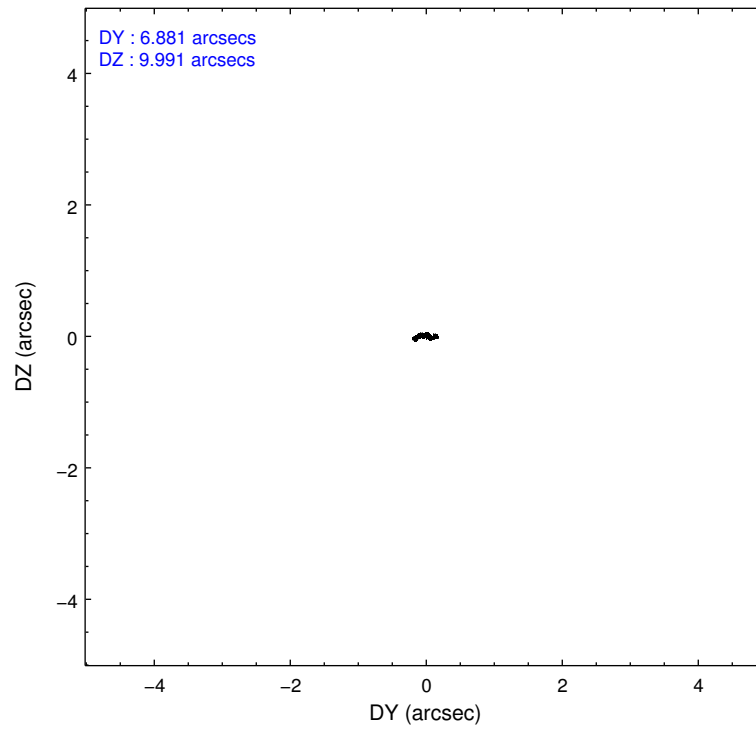
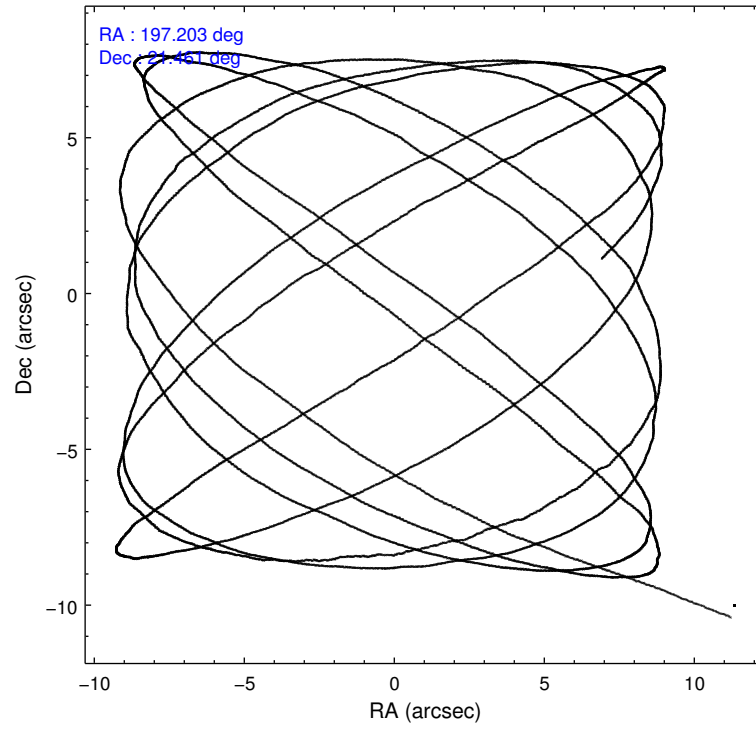
	ccd 7
level 1 events	32752
rejected events	7207
rejected %	22%

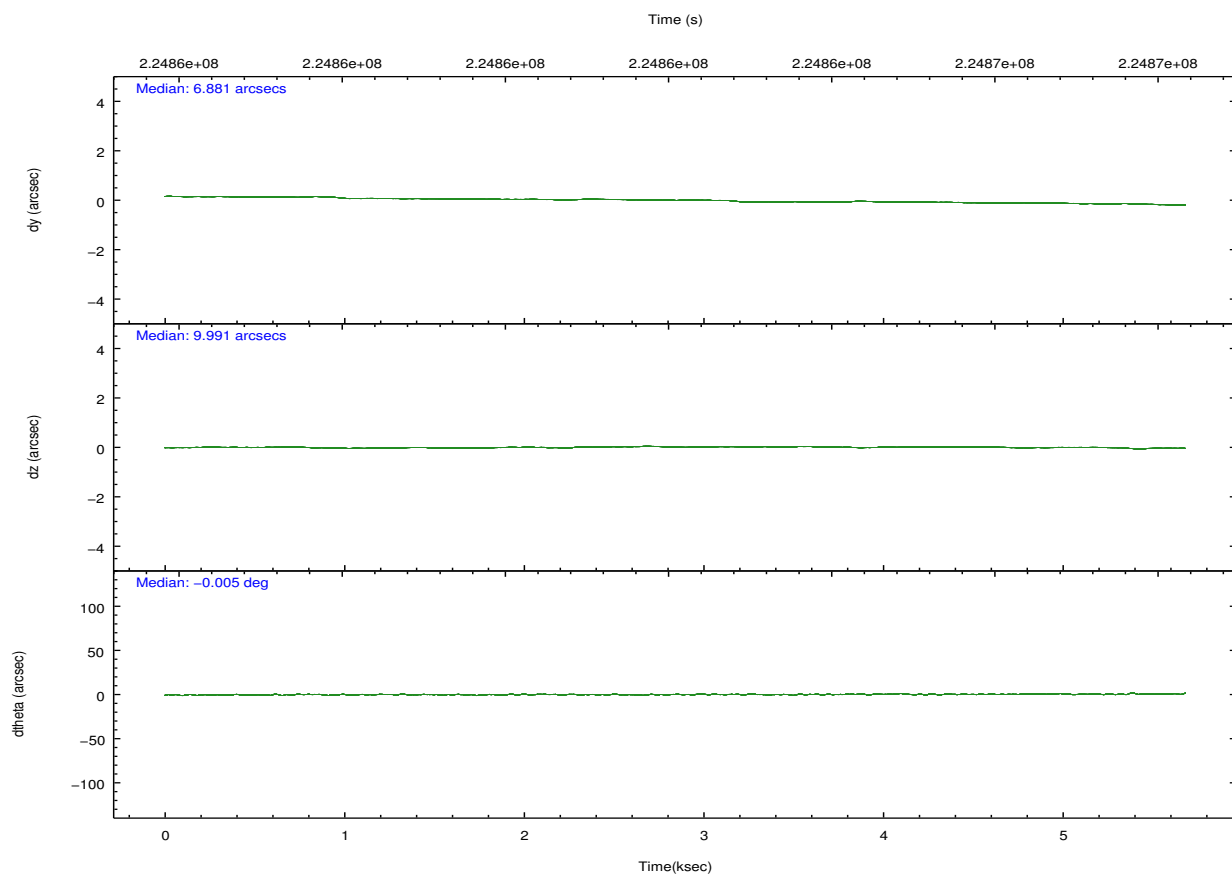
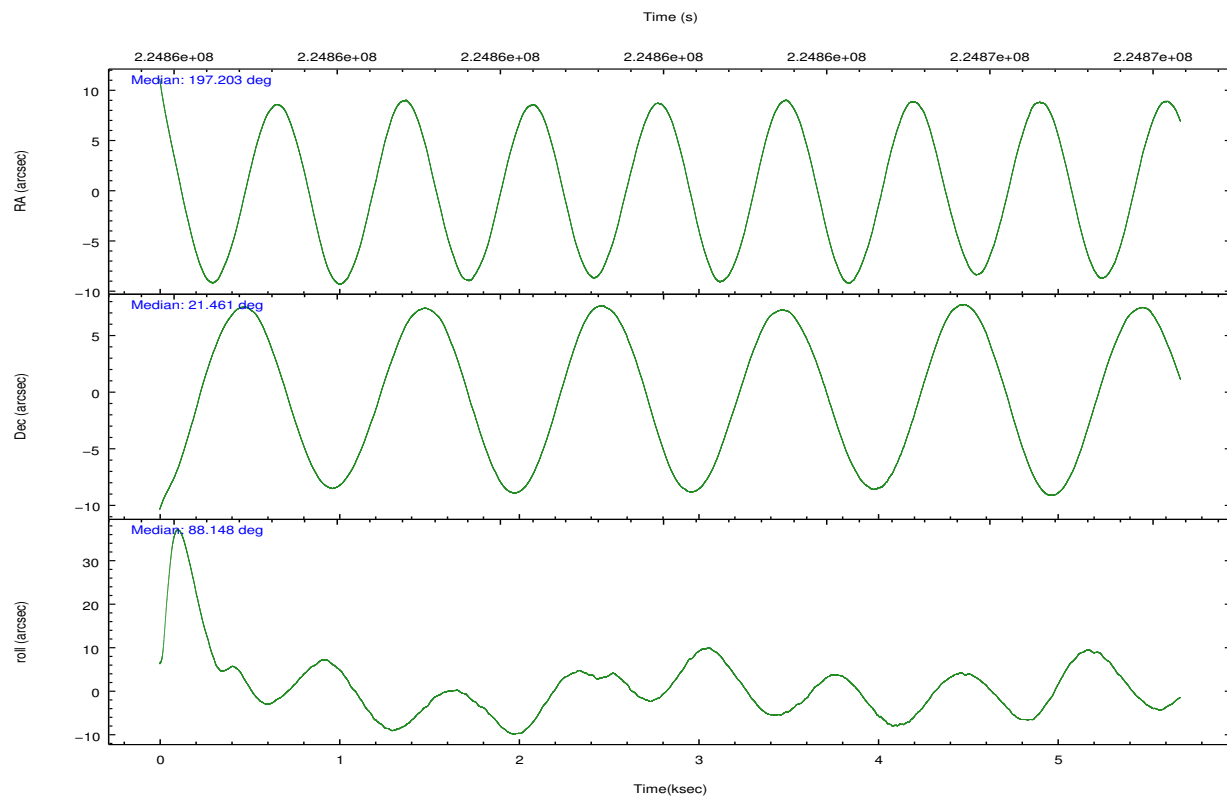
	ccd 7
grade 0 events	3773
	11%
grade 1 events	79
	0%
grade 2 events	6898
	21%
grade 3 events	1991
	6%
grade 4 events	1923
	5%
grade 5 events	5091
	15%
grade 6 events	12997
	39%
grade 7 events	0
	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	197.217552	197.203383781669	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.437519	21.46143334210378	Alternating exposures requested	N	N
[deg] Pointing Roll	87.994044	88.15578319121418	[s] Primary exposure time	0.000000	0
[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)	224861381.184000	224860676.25222			
Observation start date	2005-02-15T13:28:37	2005-02-15T13:17:56			
[s] Observation end time (MET)	224866881.184000	224868369.39007			
Observation end date	2005-02-15T15:00:17	2005-02-15T15:26:09			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



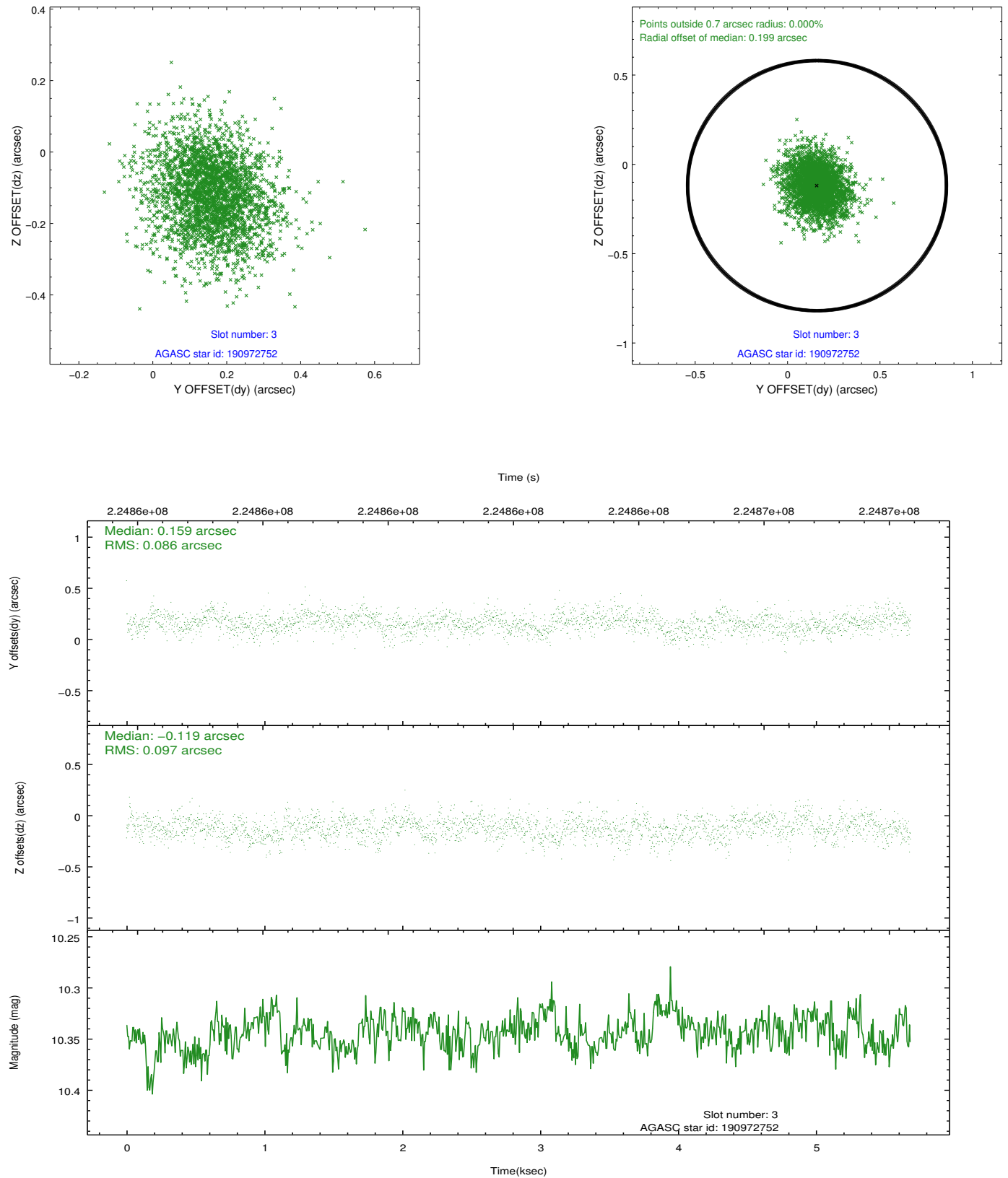


Slot Statistics

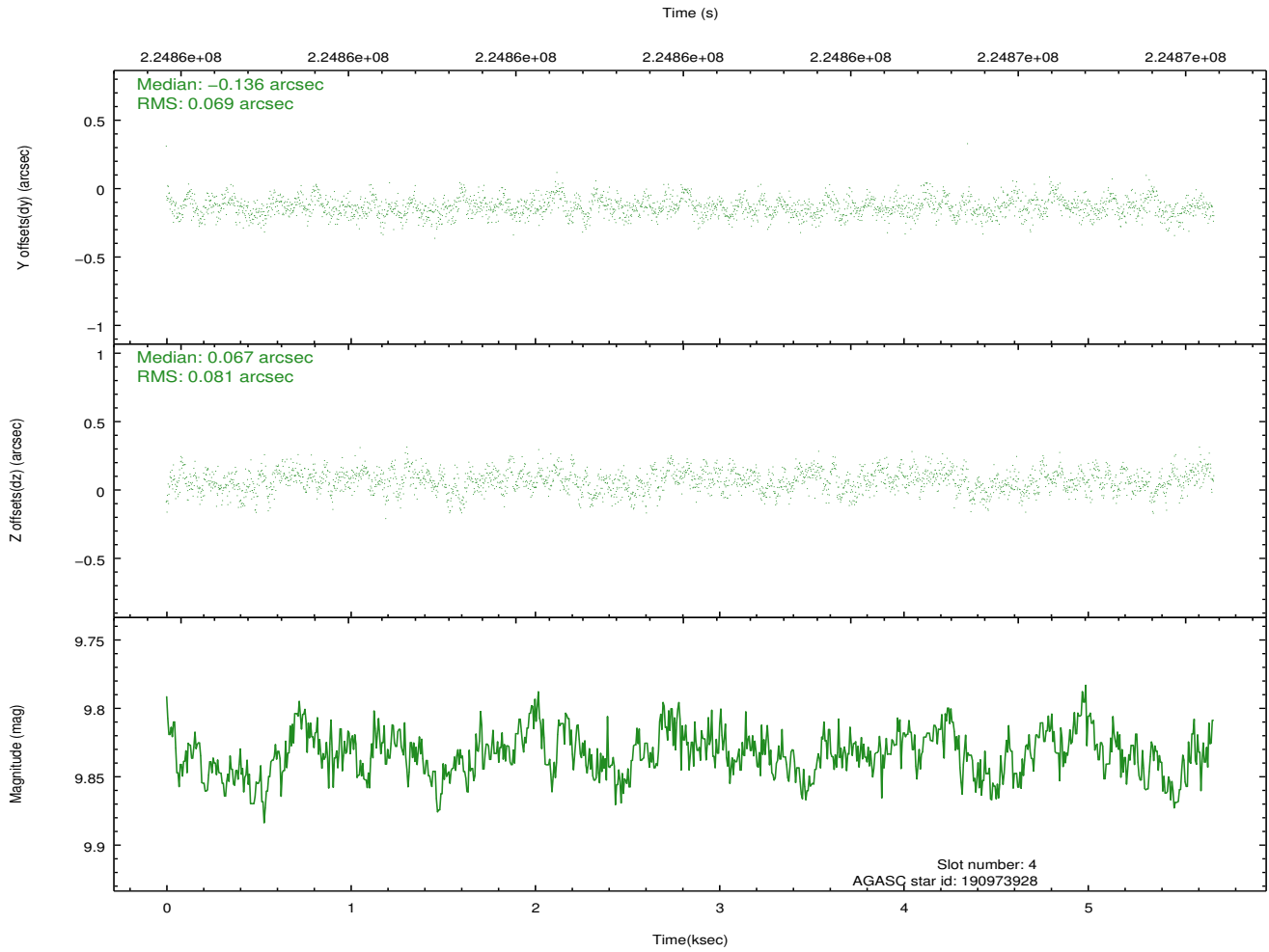
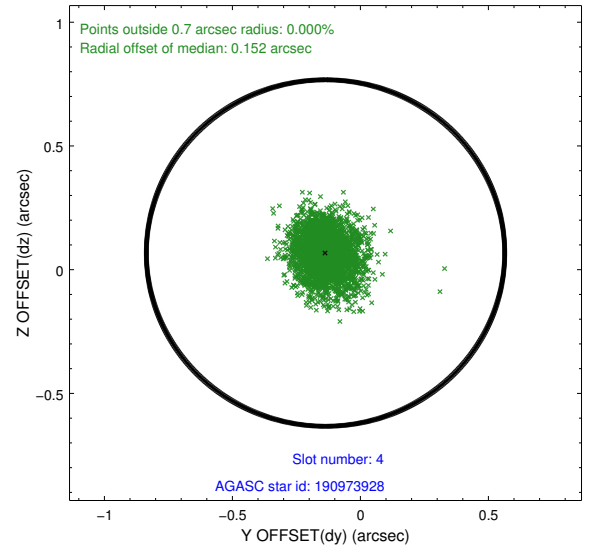
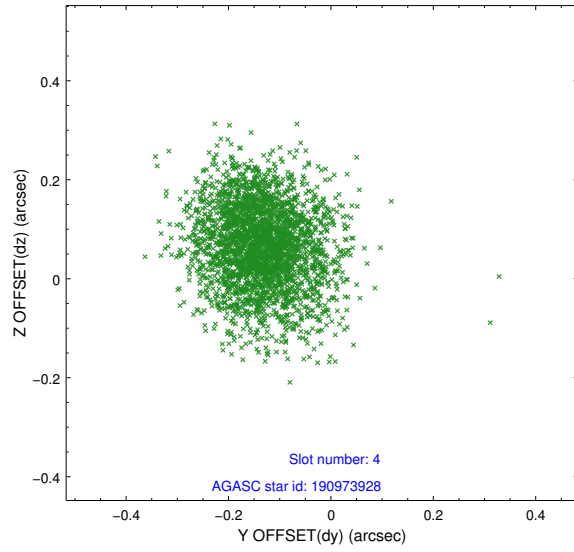
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1387	-0.059	-0.027	0.007	0.011	0.000000	0.000000	-759.64	-1731.28
1	FID	ACIS-S-4	7.21	1387	0.103	0.036	0.006	0.011	0.000000	0.000000	2153.28	176.24
2	FID	ACIS-S-5	7.23	1386	-0.075	0.000	0.007	0.012	0.000000	0.000000	-1811.19	170.99
3	GUIDE	190972752	10.34	2771	0.159	-0.119	0.137	0.228	197.567107	21.351082	-268.32	-1181.92
4	GUIDE	190973928	9.83	2772	-0.136	0.067	0.114	0.185	197.904188	21.564389	542.14	-2281.00
5	GUIDE	190974376	6.81	2774	-0.195	0.124	0.066	0.106	197.884749	21.918670	1814.09	-2166.38
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	190971944	10.05	2767	0.173	-0.068	0.142	0.244	197.963793	22.064478	2350.10	-2409.44

2.4 Star Slots

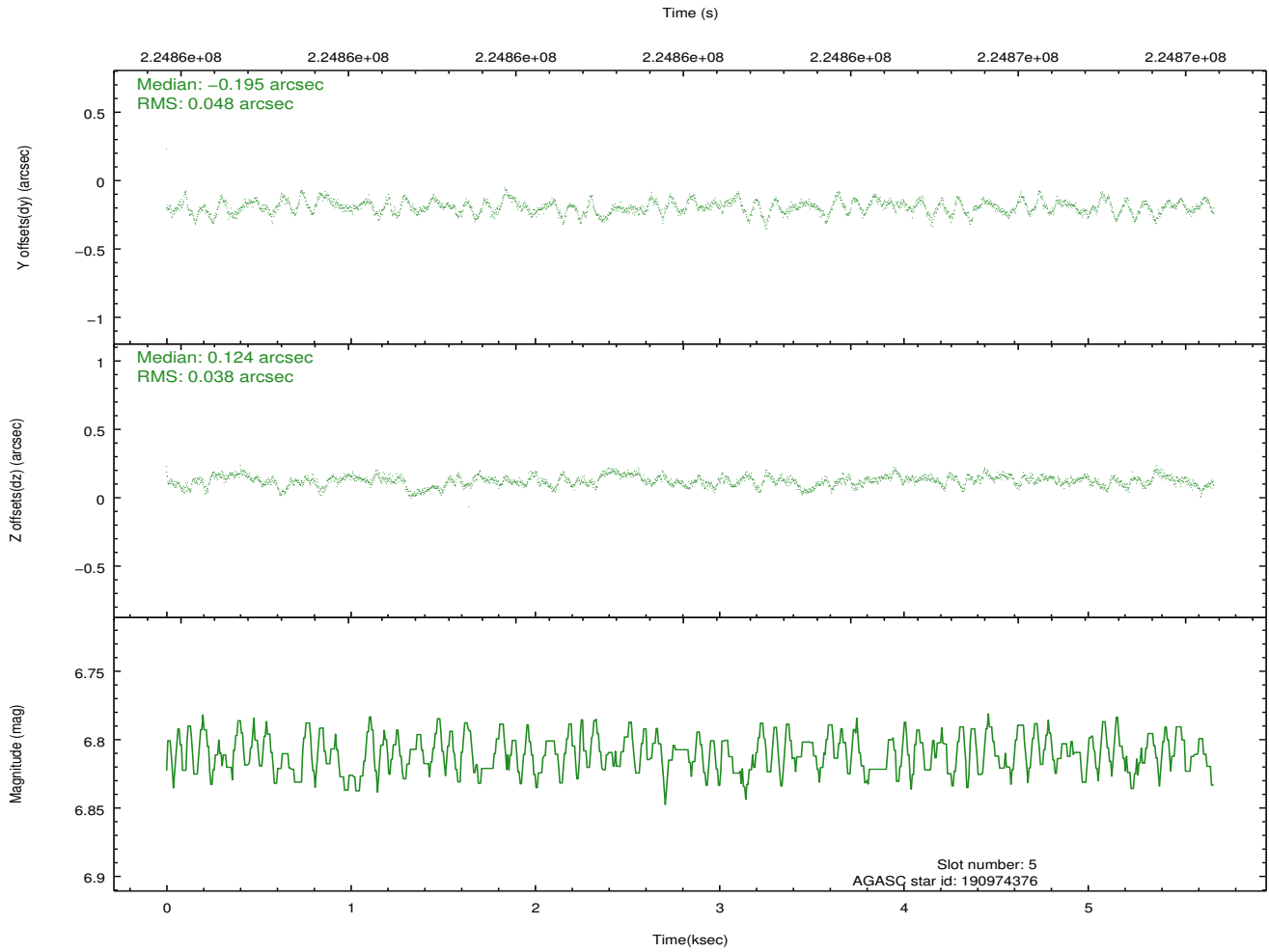
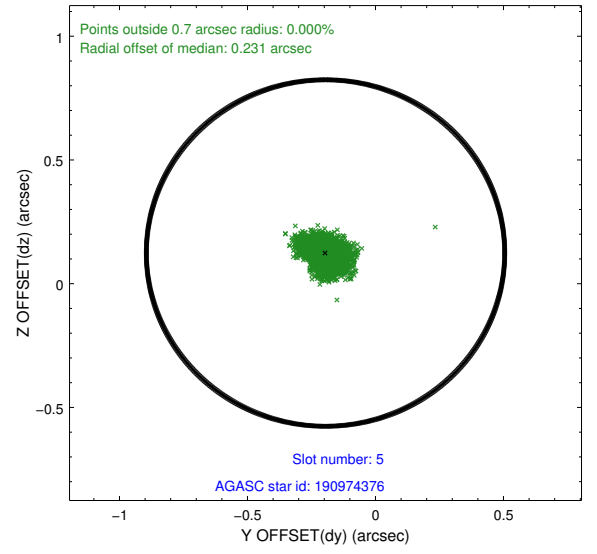
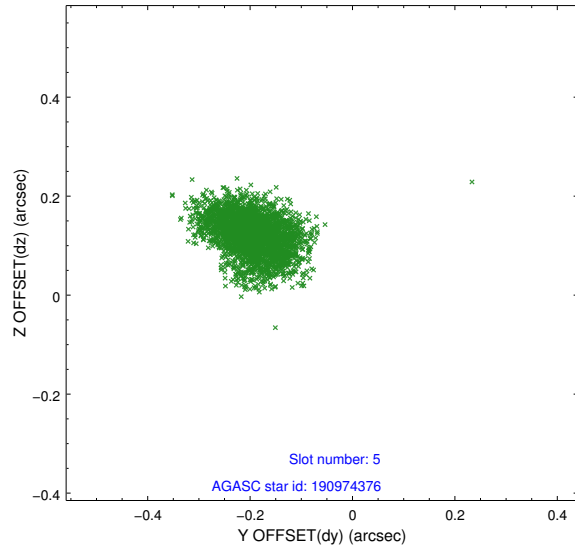
2.4.1 Slot 3



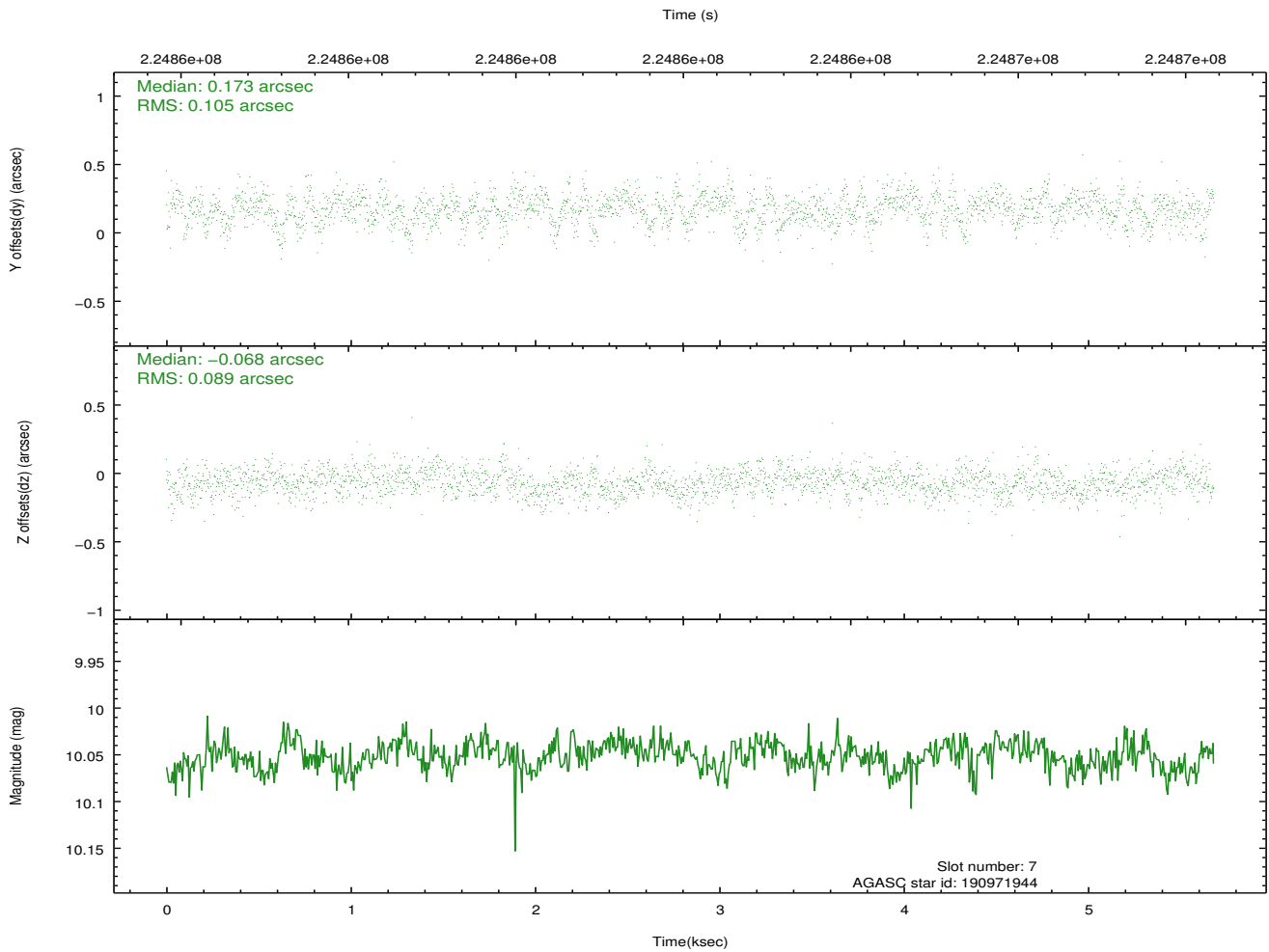
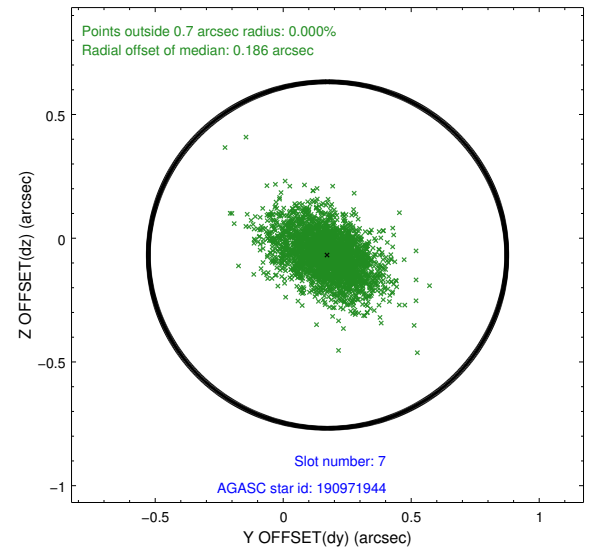
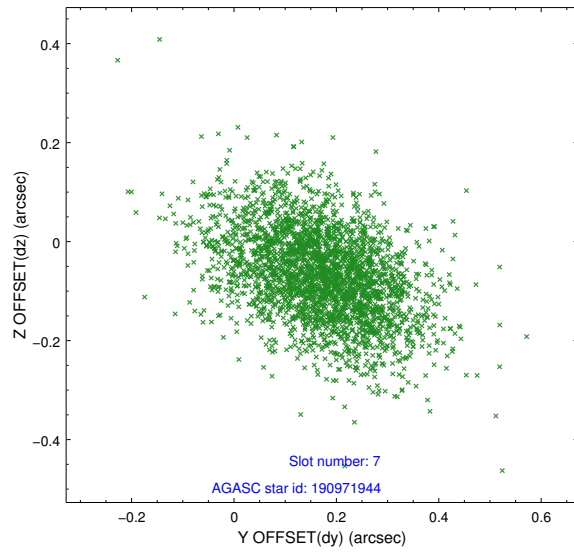
2.4.2 Slot 4



2.4.3 Slot 5

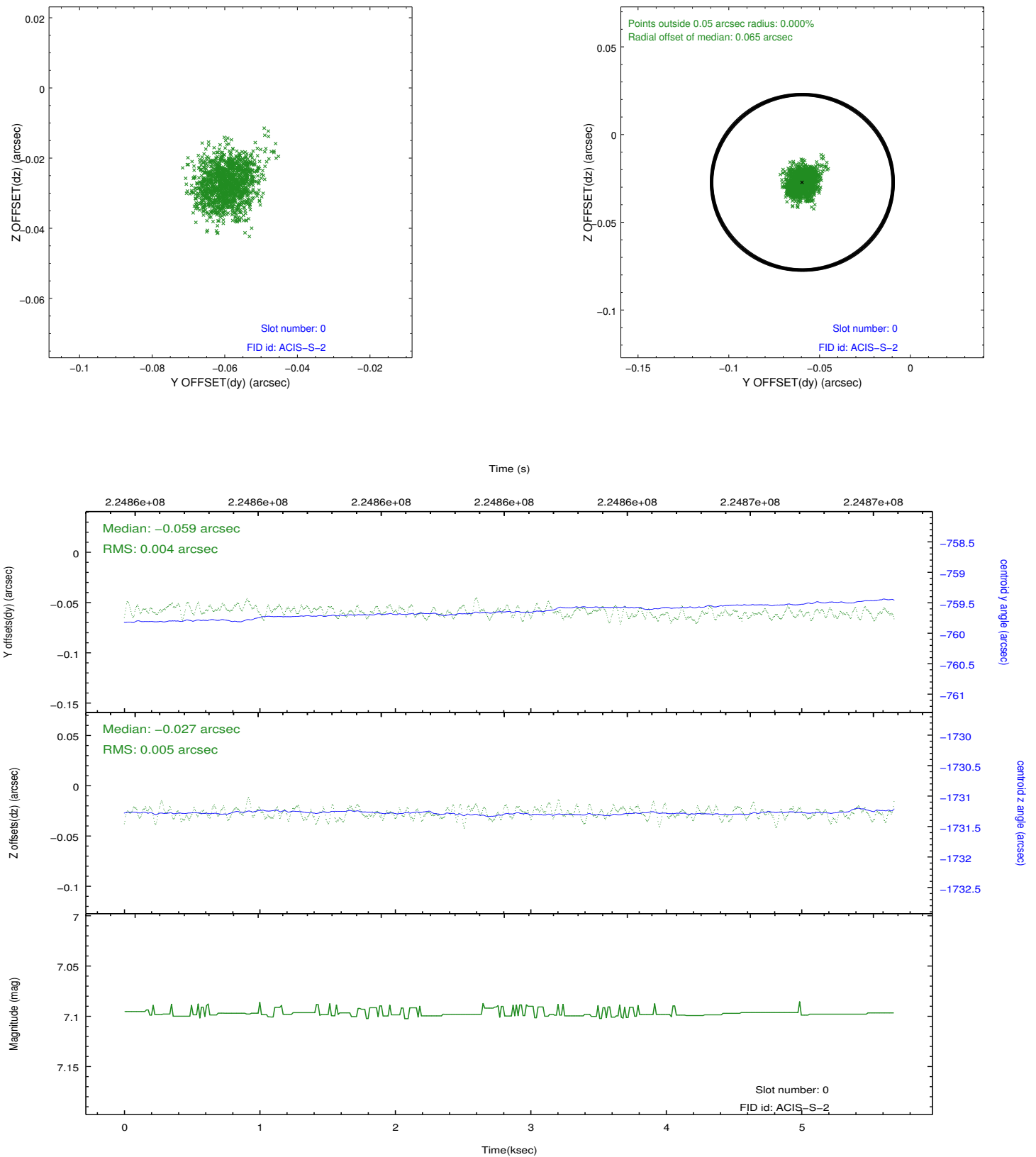


2.4.4 Slot 7

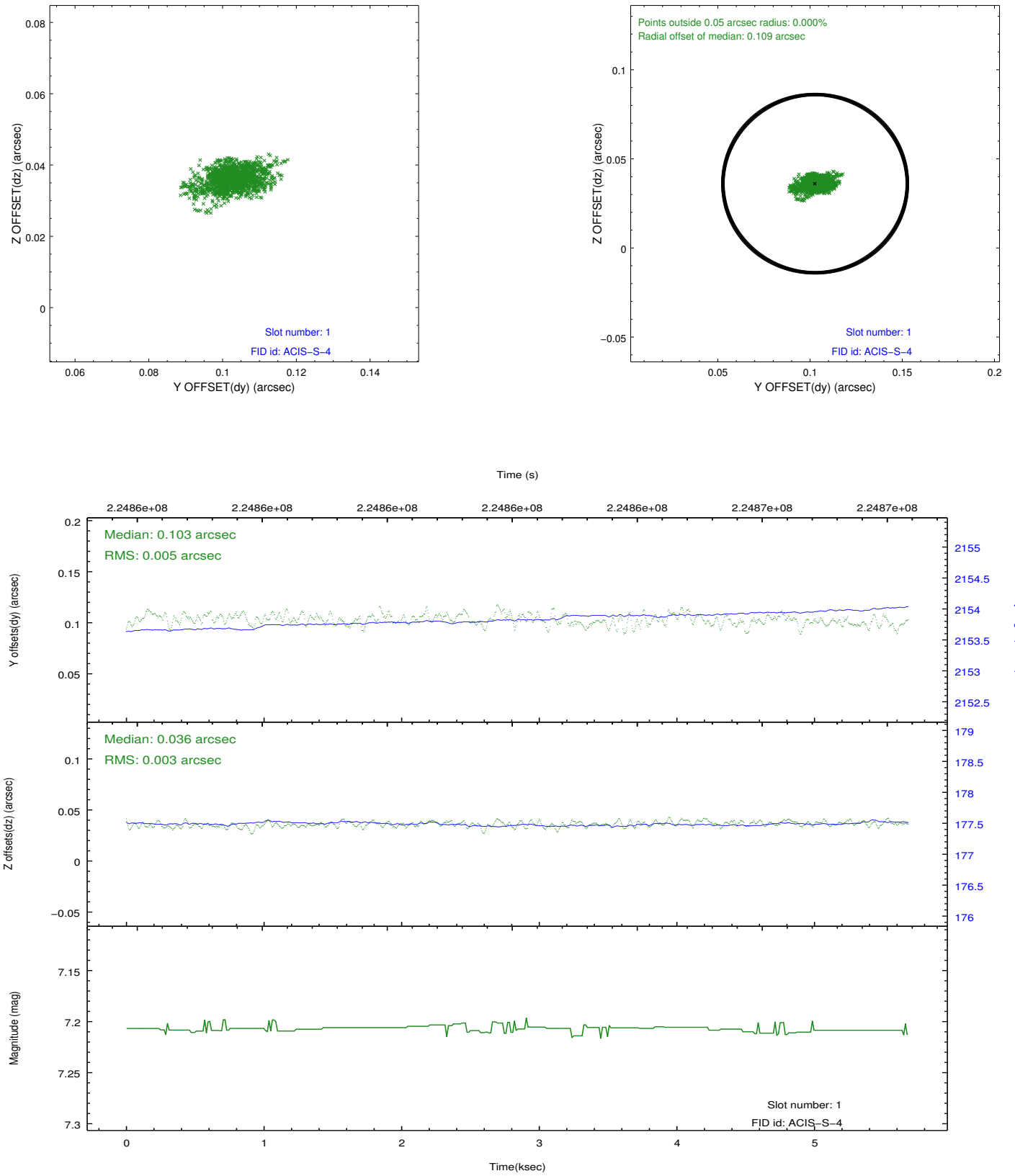


2.5 FID Slots

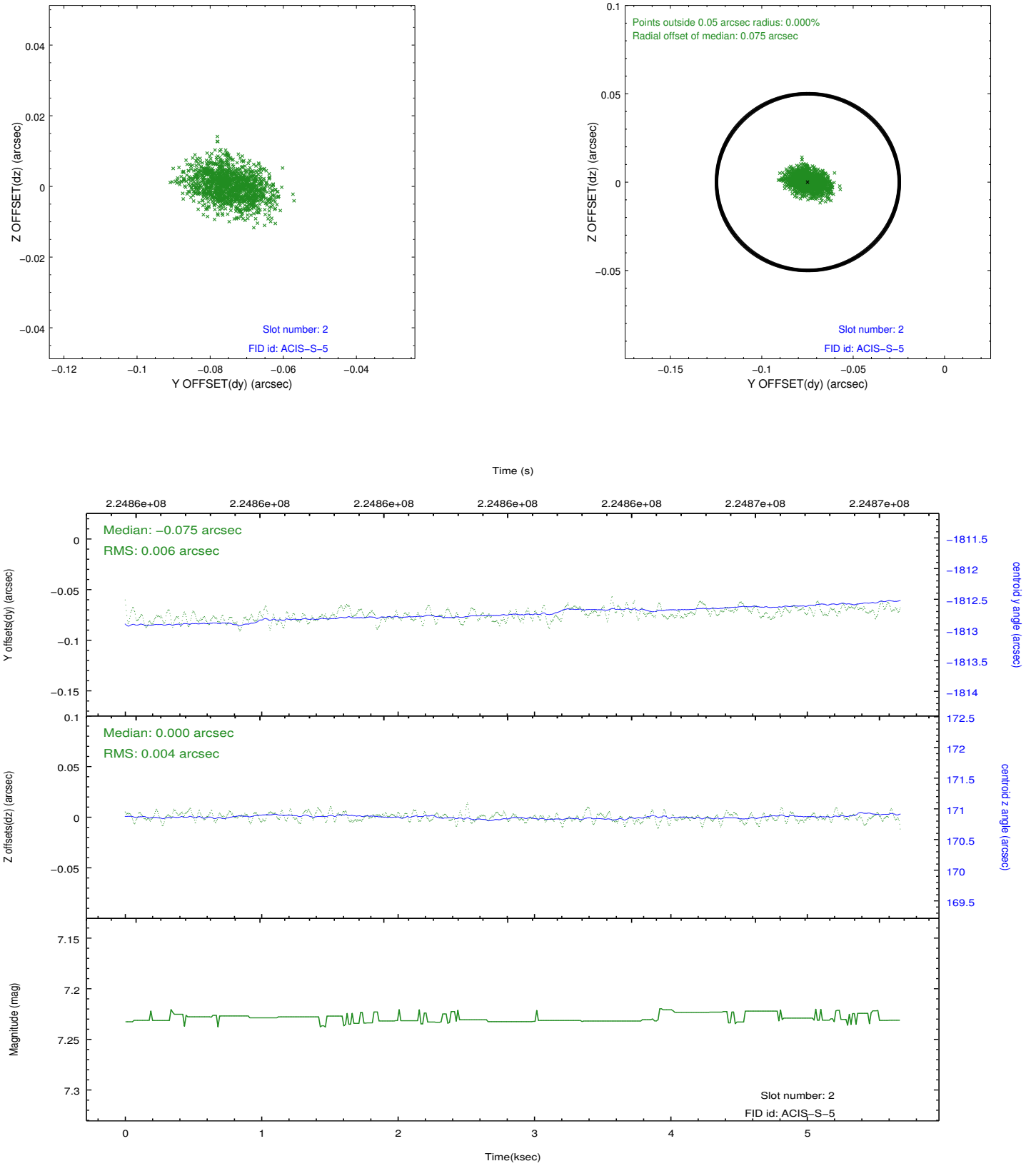
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6825

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.