

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4668 - L2 Version 4
Chandra X-Ray Center

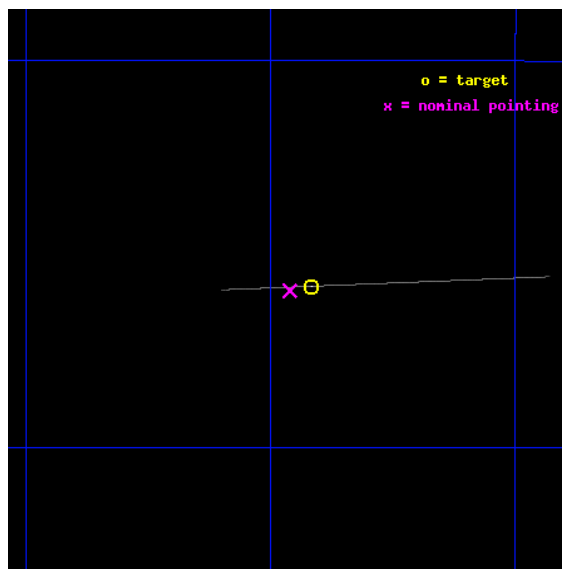
L2 Processing Date : Nov 10 2012

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1 Front

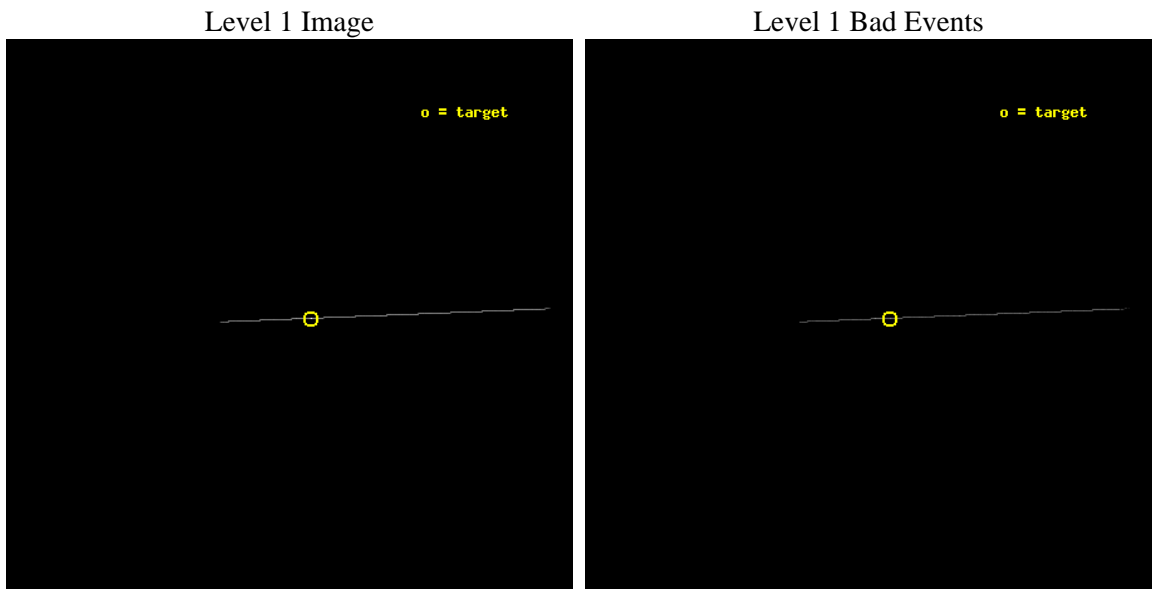
seq_num	500487	Sequence number
obs_id	4668	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J0720.4-3125	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J0720.4-3125	Source name
ra_targ	110.104167	Observer's specified target RA [deg]
dec_targ	-31.430444	Observer's specified target Dec [deg]
ra_nom	110.11520700289	Nominal RA [deg]
dec_nom	-31.432482883771	Nominal Dec [deg]
roll_nom	357.7011043097	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5156.75	Sum of GTIs [s]
livetime	5136.6064453125	Livetime [s]
ontime7	5156.75	Sum of GTIs [s]
l2events	26757	Number of level 2 events



2 OBI

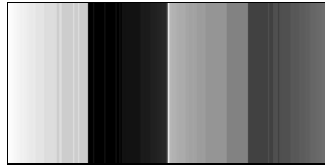
2.1 OBI

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	5156.75	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5156.75	Sum of GTIs [s]
date	2012-11-10T05:47:57	Date and time of file creation	l1events	35706	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

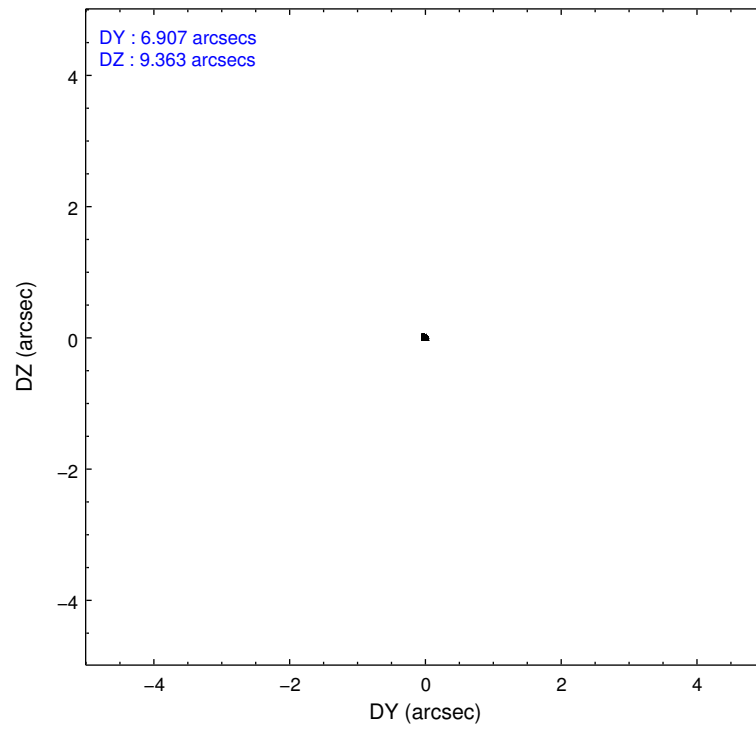
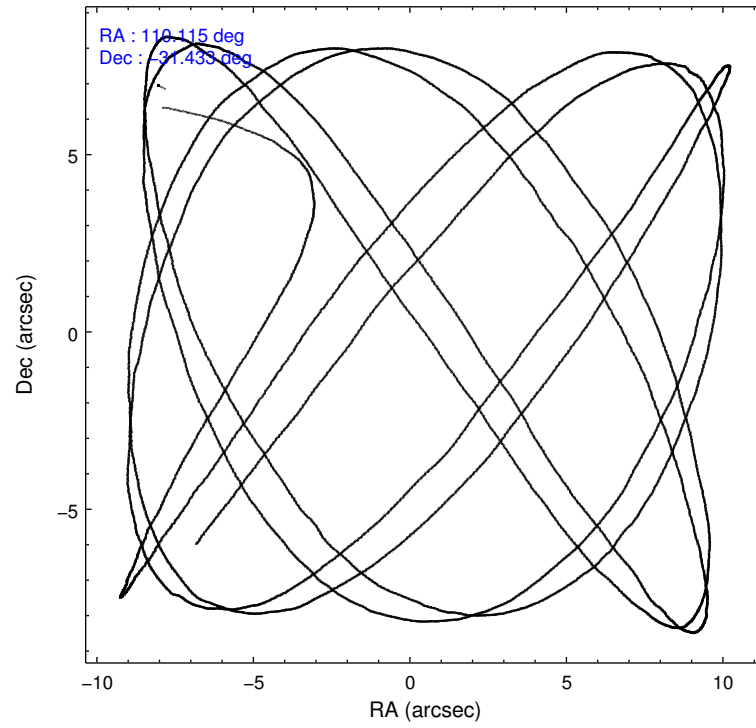
	ccd 7
level 1 events	35706
rejected events	8292
rejected %	23%

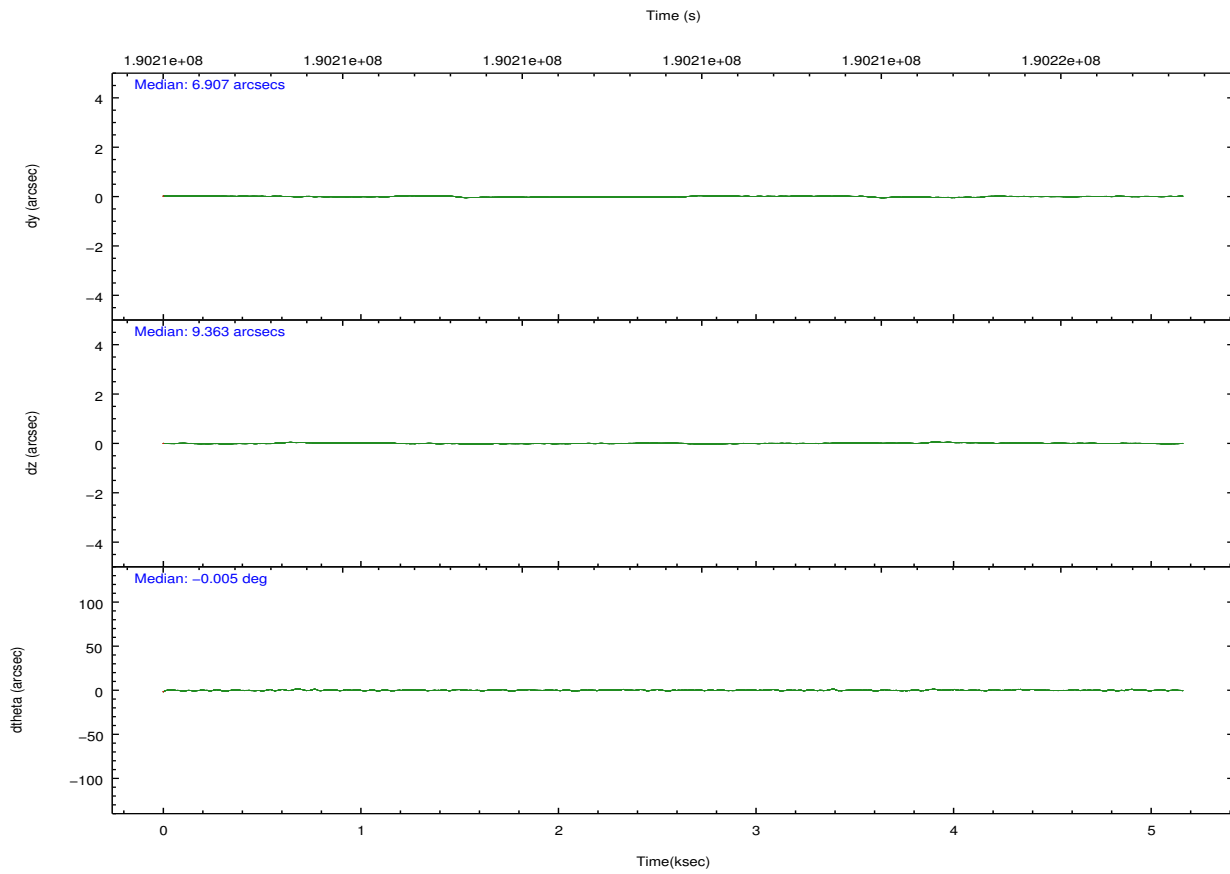
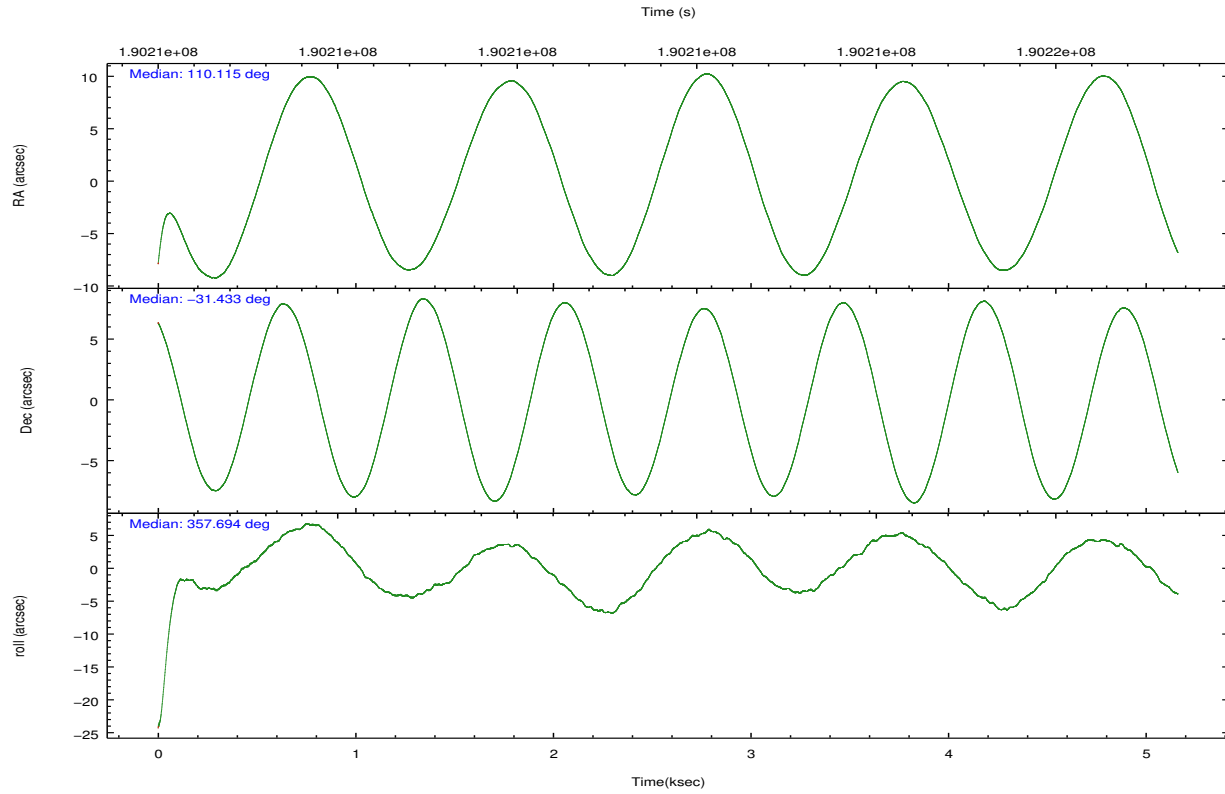
	ccd 7
grade 0 events	7956
	22%
grade 1 events	64
	0%
grade 2 events	7218
	20%
grade 3 events	2427
	6%
grade 4 events	2494
	6%
grade 5 events	4178
	11%
grade 6 events	11369
	31%
grade 7 events	0
	0%

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	110.087186	110.1152070028858	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.445501	-31.43248288377131	Alternating exposures requested	N	N
[deg] Pointing Roll	357.529897	357.7011043096952	[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)	190210417.184000	190209141.87492			
Observation start date	2004-01-11T12:12:33	2004-01-11T11:52:21			
[s] Observation end time (MET)	190215417.184000	190216340.45023			
Observation end date	2004-01-11T13:35:53	2004-01-11T13:52:20			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



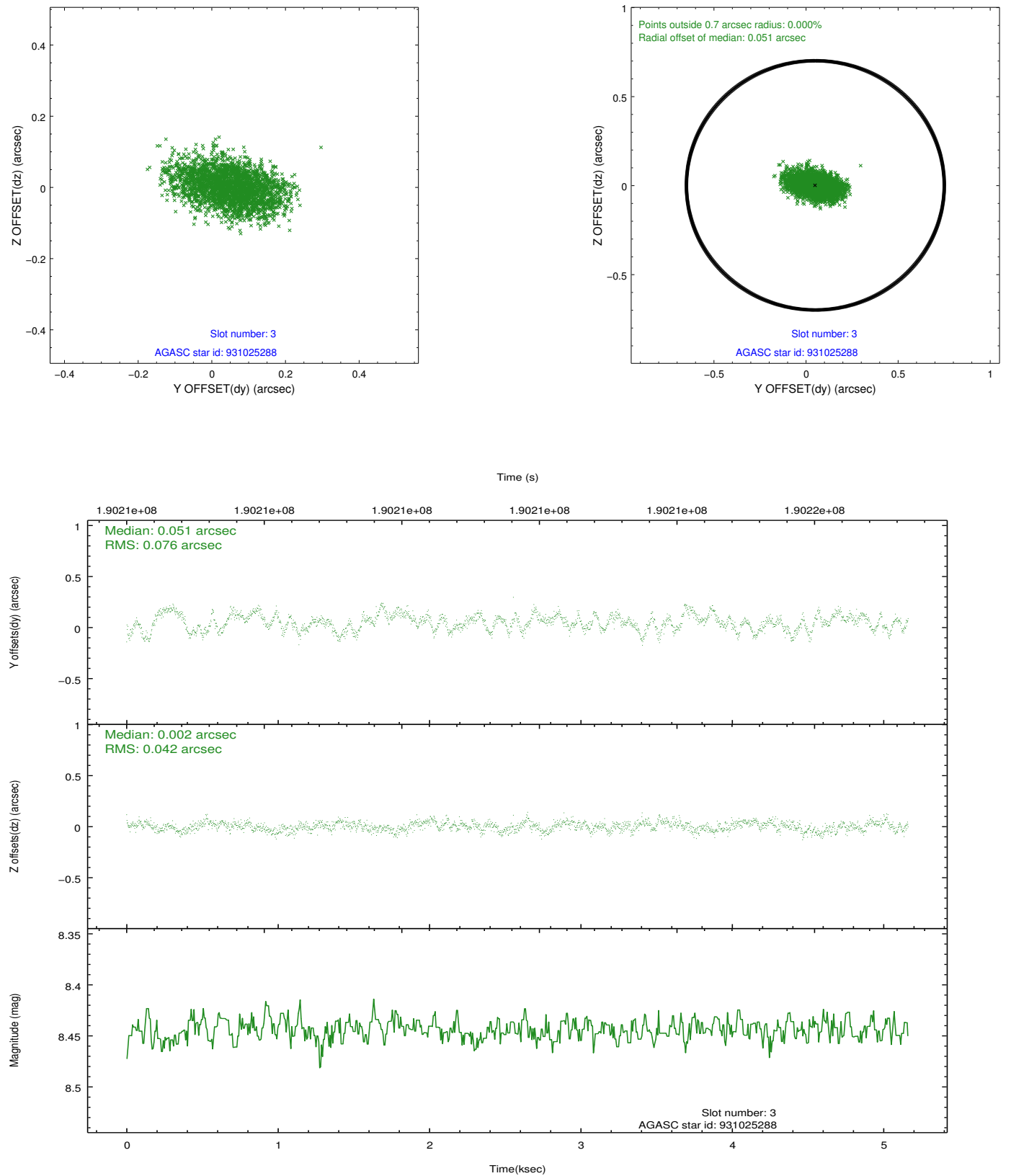


Slot Statistics

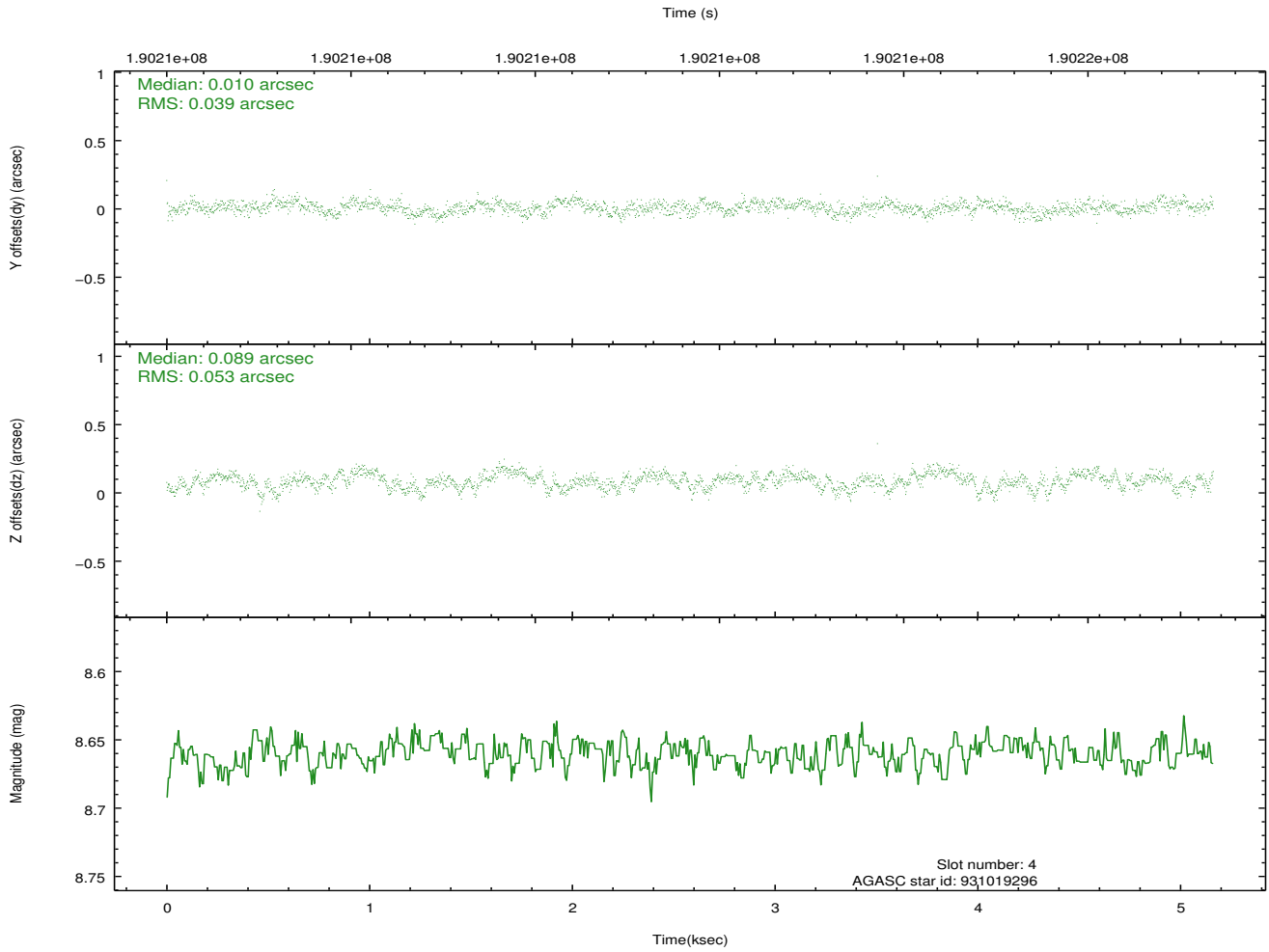
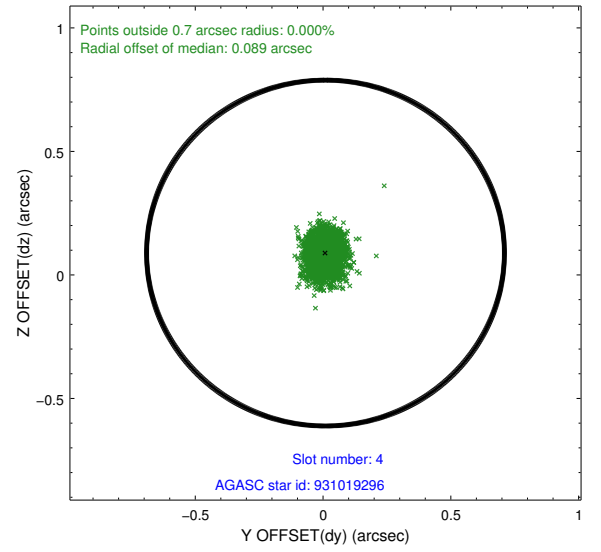
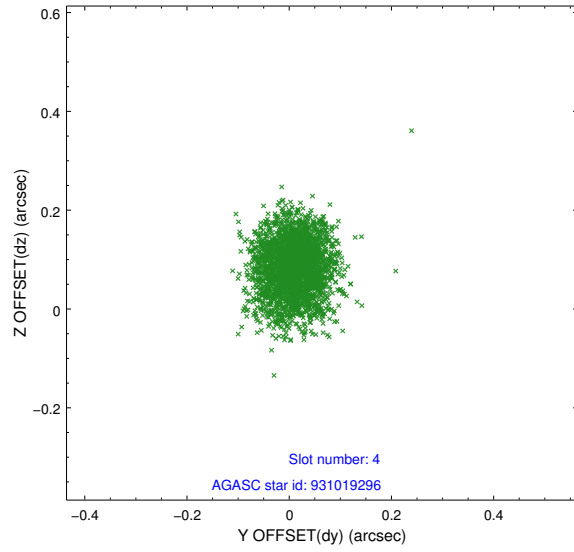
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1260	0.033	0.006	0.006	0.011	0.000000	0.000000	936.41	-1726.22
1	FID	ACIS-S-2	7.10	1259	-0.050	-0.007	0.006	0.010	0.000000	0.000000	-758.92	-1731.99
2	FID	ACIS-S-6	7.35	1259	-0.003	0.006	0.006	0.011	0.000000	0.000000	401.51	813.90
3	GUIDE	931025288	8.44	2519	0.051	0.002	0.092	0.153	109.511084	-30.937793	-1855.69	1744.67
4	GUIDE	931019296	8.66	2518	0.010	0.089	0.070	0.114	109.471771	-31.694370	-1844.86	-981.24
5	GUIDE	931018016	8.47	2519	0.076	-0.031	0.071	0.113	109.684535	-31.226562	-1272.68	731.26
6	GUIDE	931160352	8.64	2513	-0.102	-0.144	0.102	0.158	110.268138	-30.864891	468.04	2112.29
7	GUIDE	931695048	7.37	2517	-0.042	0.093	0.087	0.150	110.648539	-32.046020	1805.55	-2089.23

2.4 Star Slots

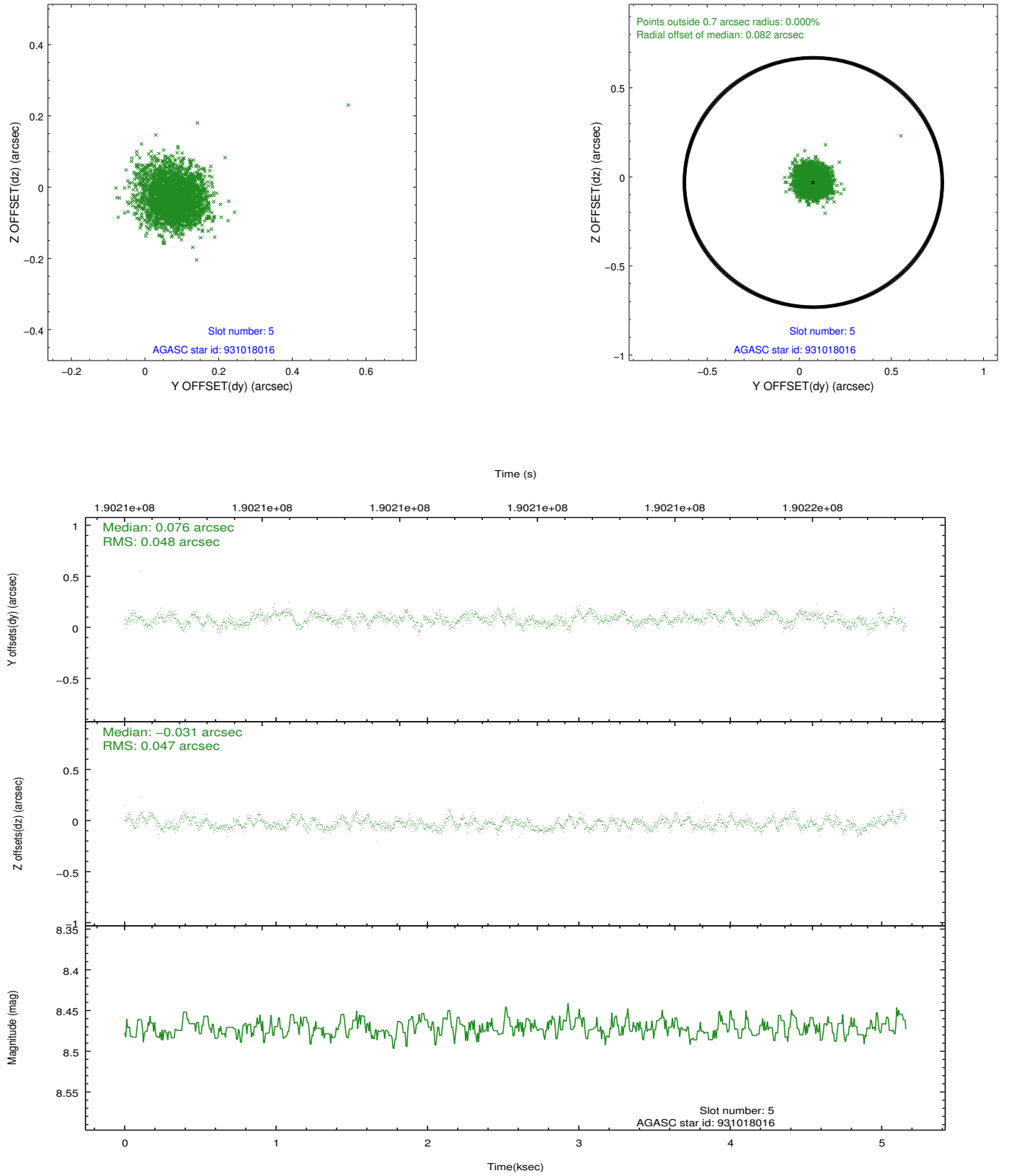
2.4.1 Slot 3



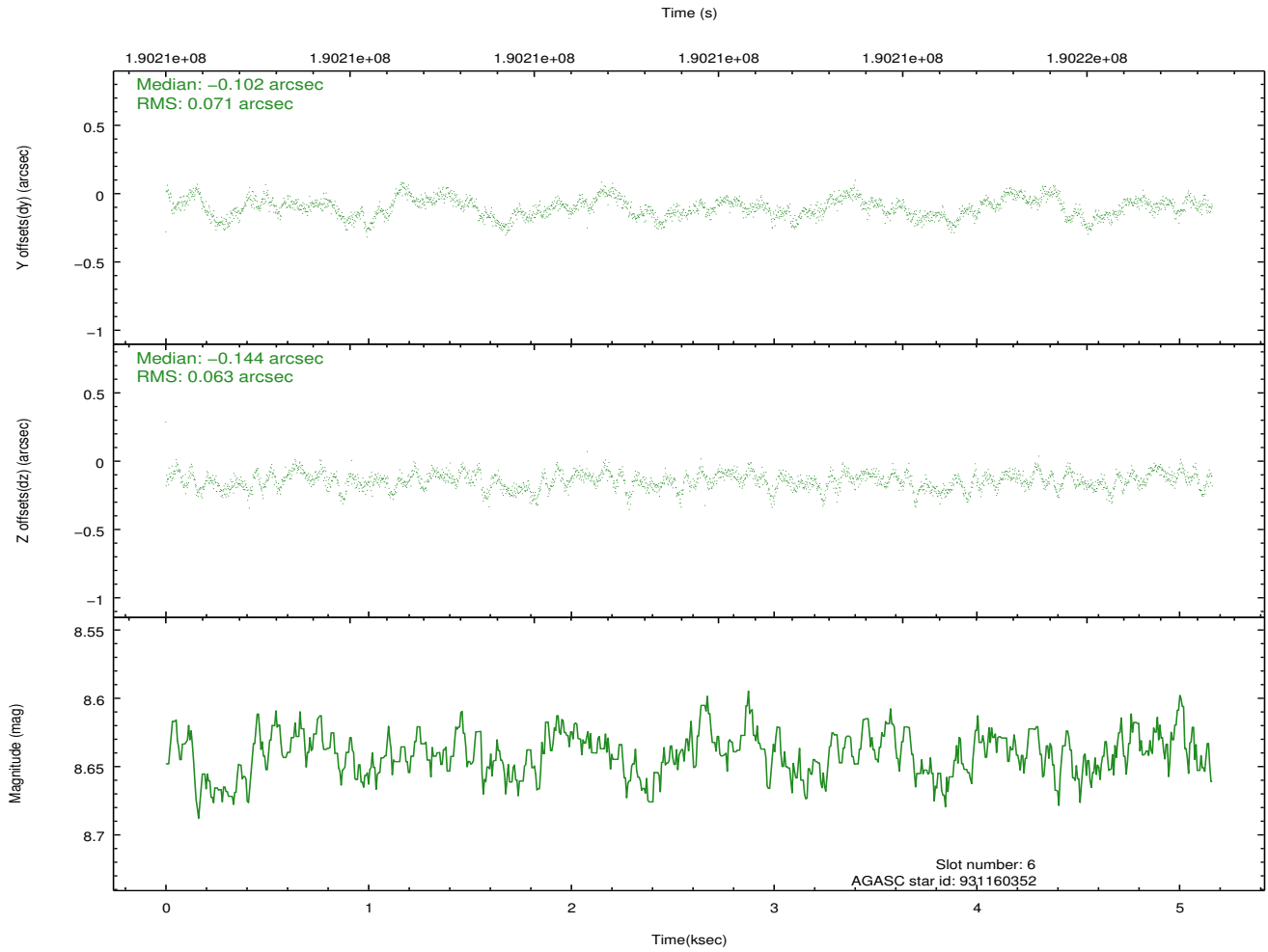
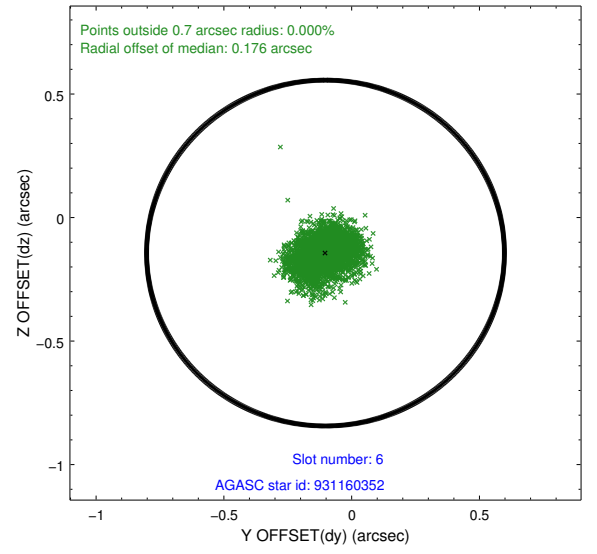
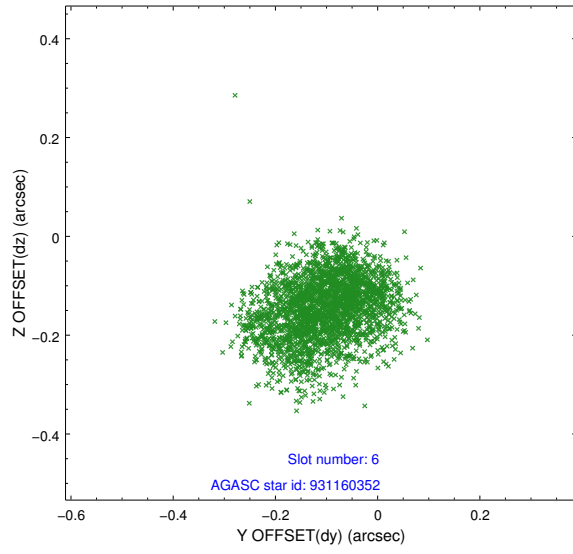
2.4.2 Slot 4



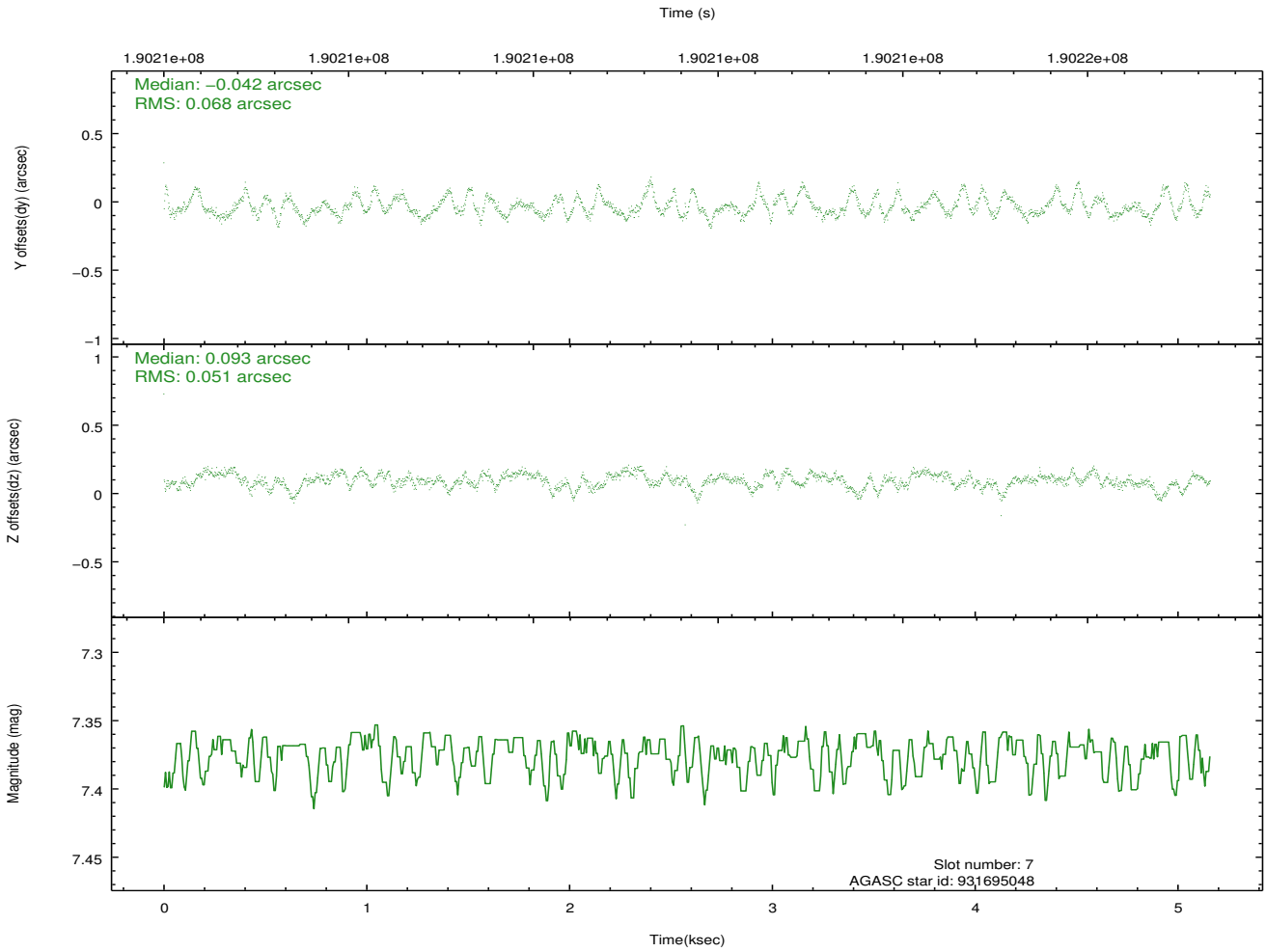
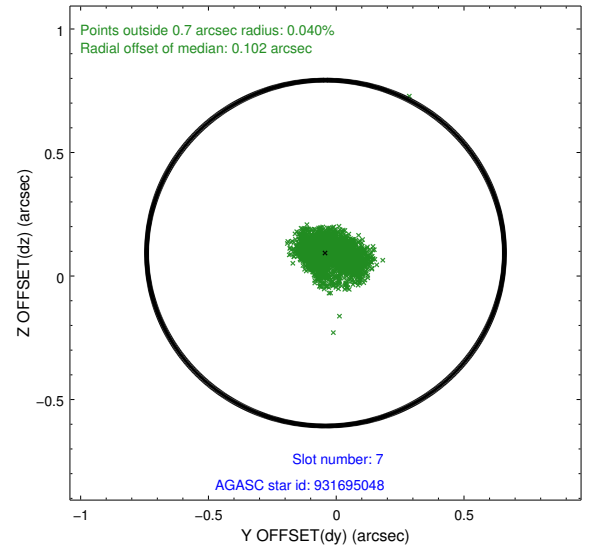
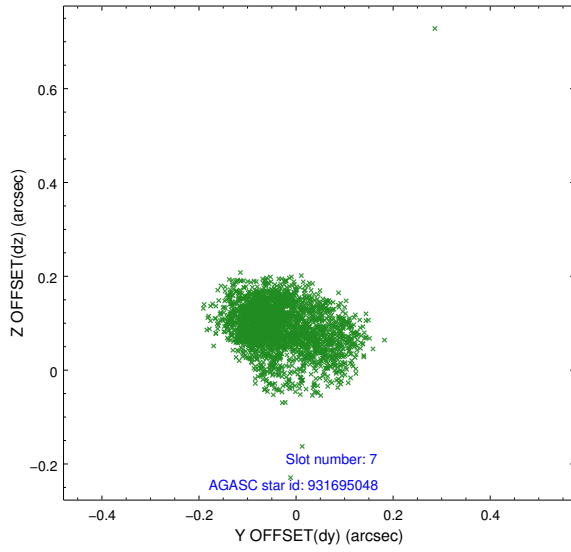
2.4.3 Slot 5



2.4.4 Slot 6

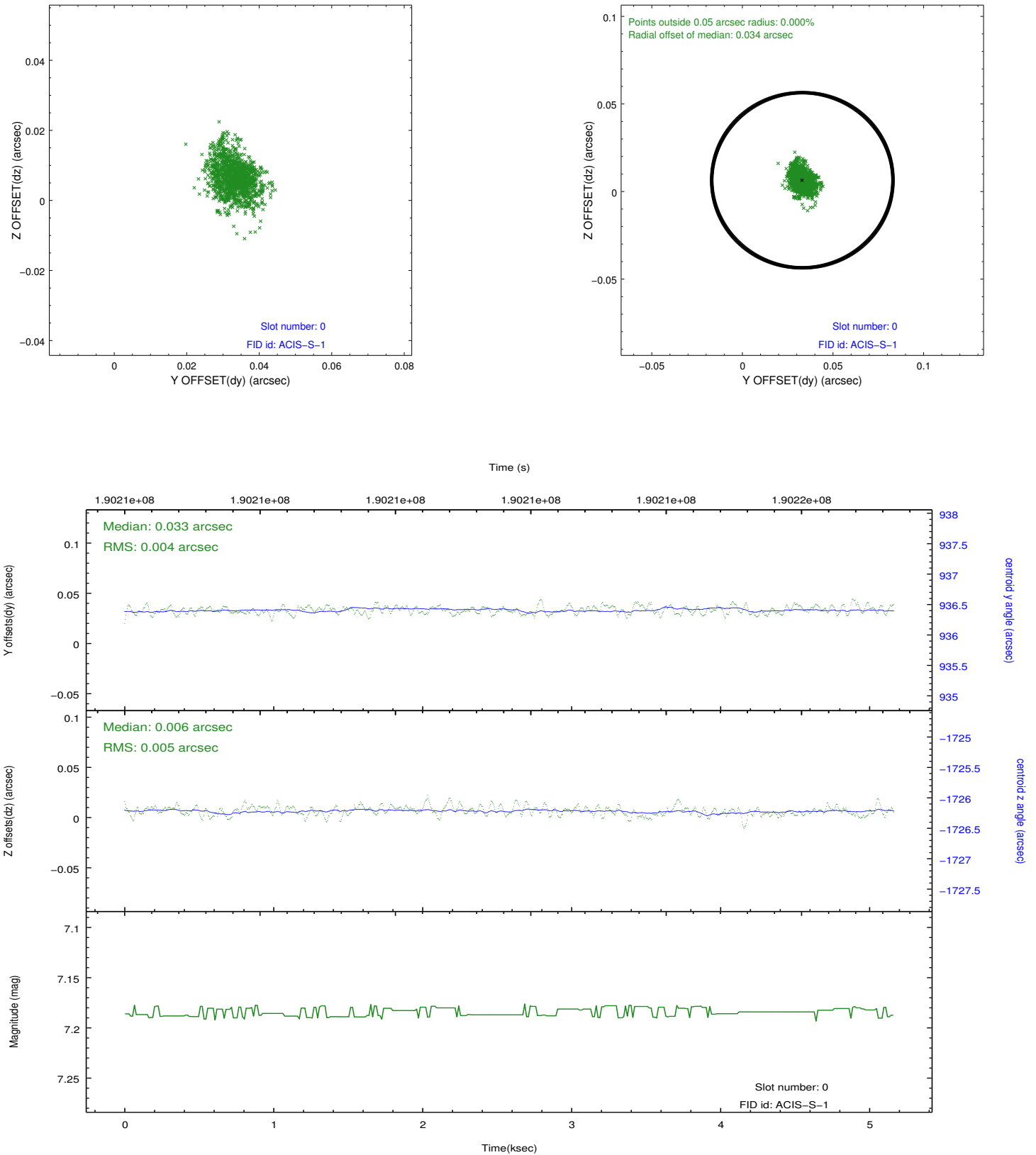


2.4.5 Slot 7

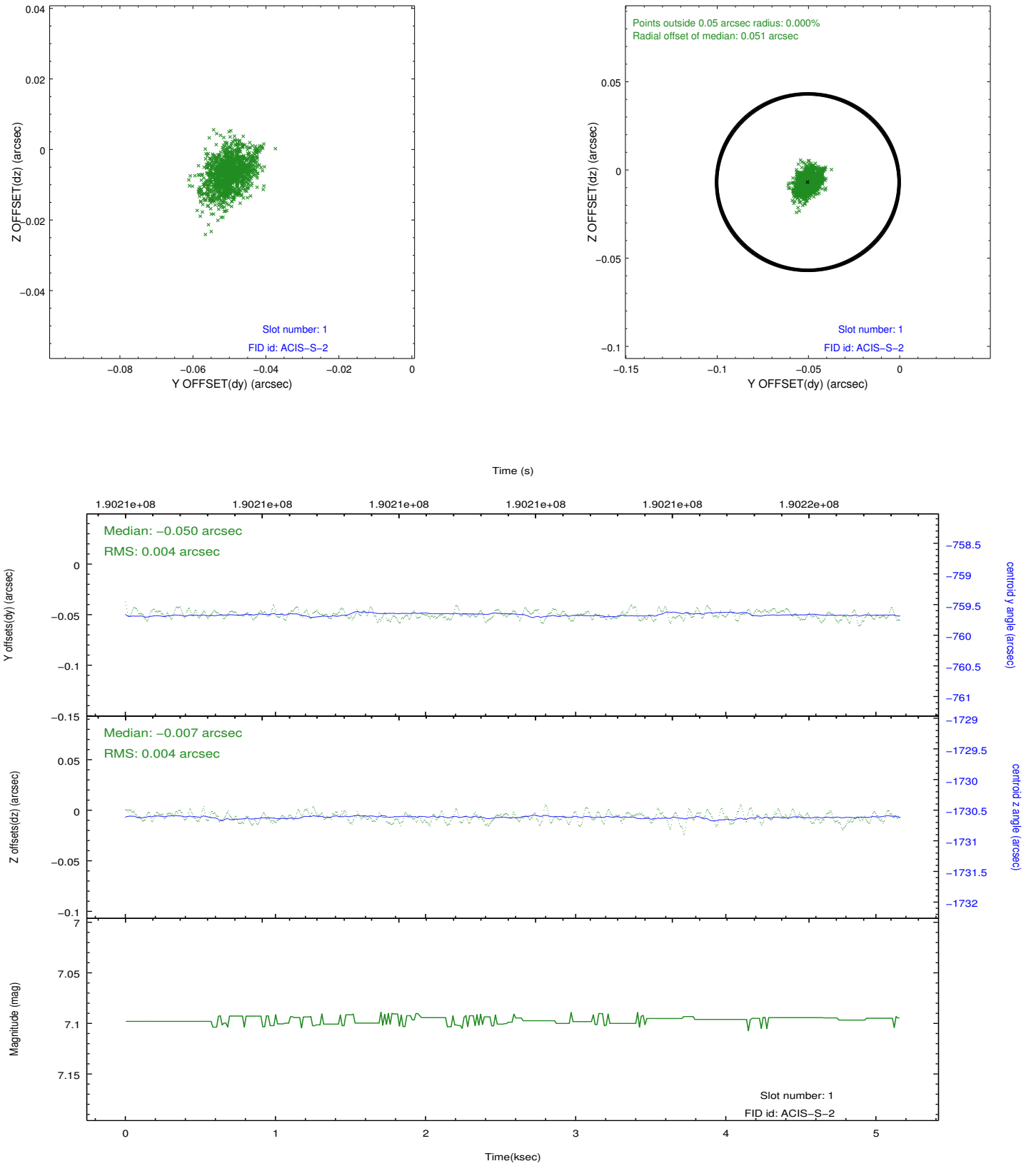


2.5 FID Slots

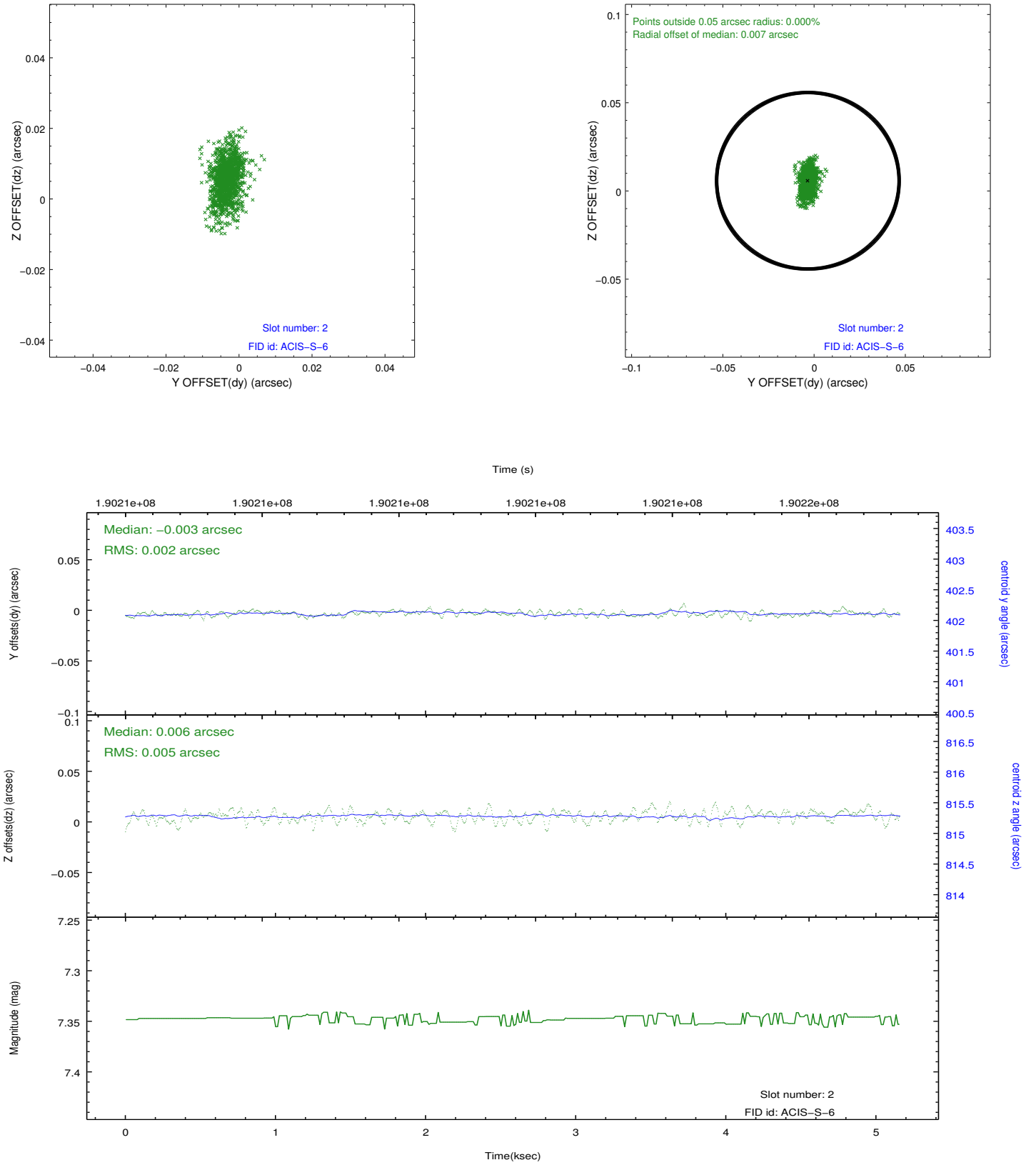
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16

A.2 Comments