

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4670 - L2 Version 4
Chandra X-Ray Center

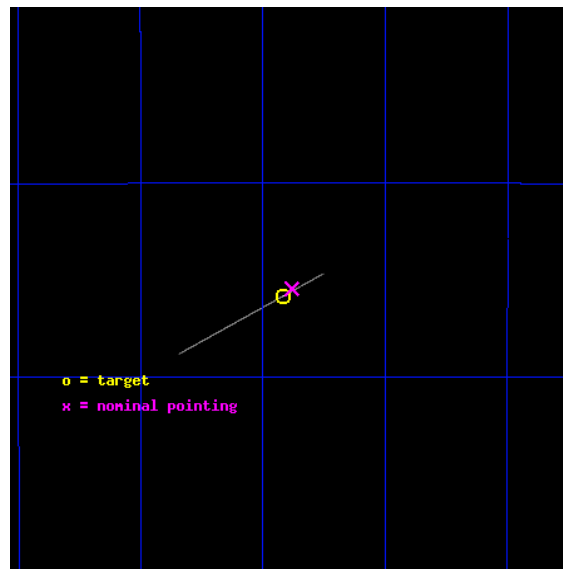
L2 Processing Date : Dec 7 2012

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1 Front

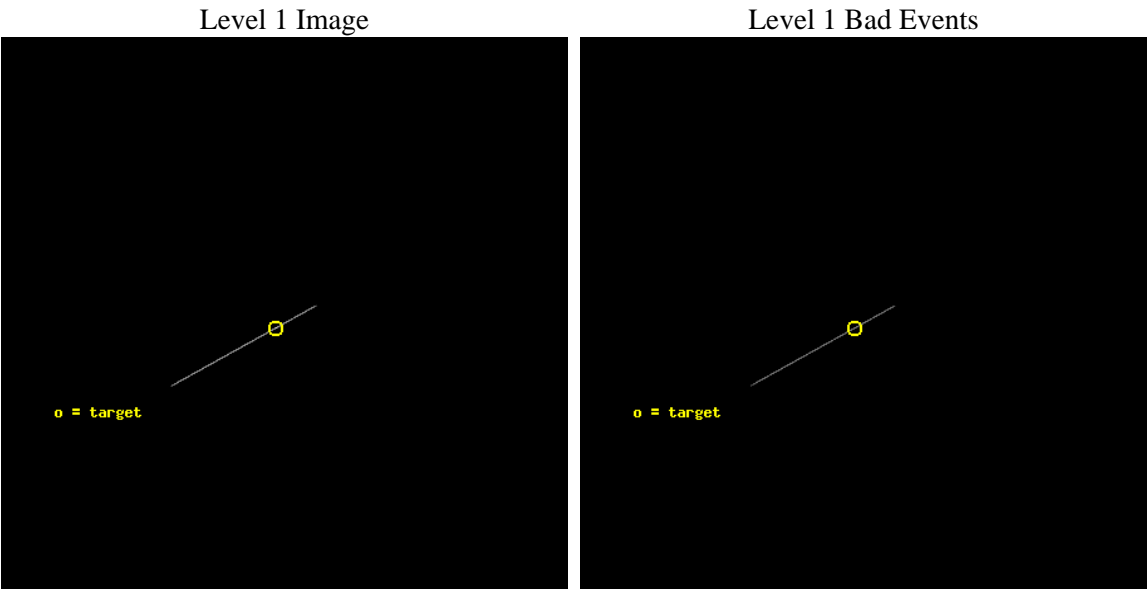
seq_num	500489	Sequence number
obs_id	4670	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J0720.4-3125	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J0720.4-3125	Source name
ra_targ	110.104167	Observer's specified target RA [deg]
dec_targ	-31.430444	Observer's specified target Dec [deg]
ra_nom	110.09539339362	Nominal RA [deg]
dec_nom	-31.424347711534	Nominal Dec [deg]
roll_nom	151.21956988055	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10130.25	Sum of GTIs [s]
livetime	10090.678710938	Livetime [s]
ontime7	10130.25	Sum of GTIs [s]
l2events	54663	Number of level 2 events



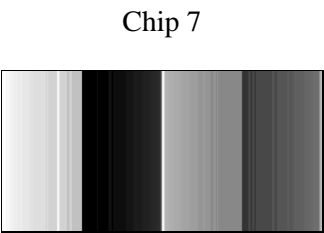
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	10130.25	Sum of GTIs [s]
caldsver	4.5.4	 	ontime7	10130.25	Sum of GTIs [s]
date	2012-12-06T23:01:19	Date and time of file creation	l1events	69259	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

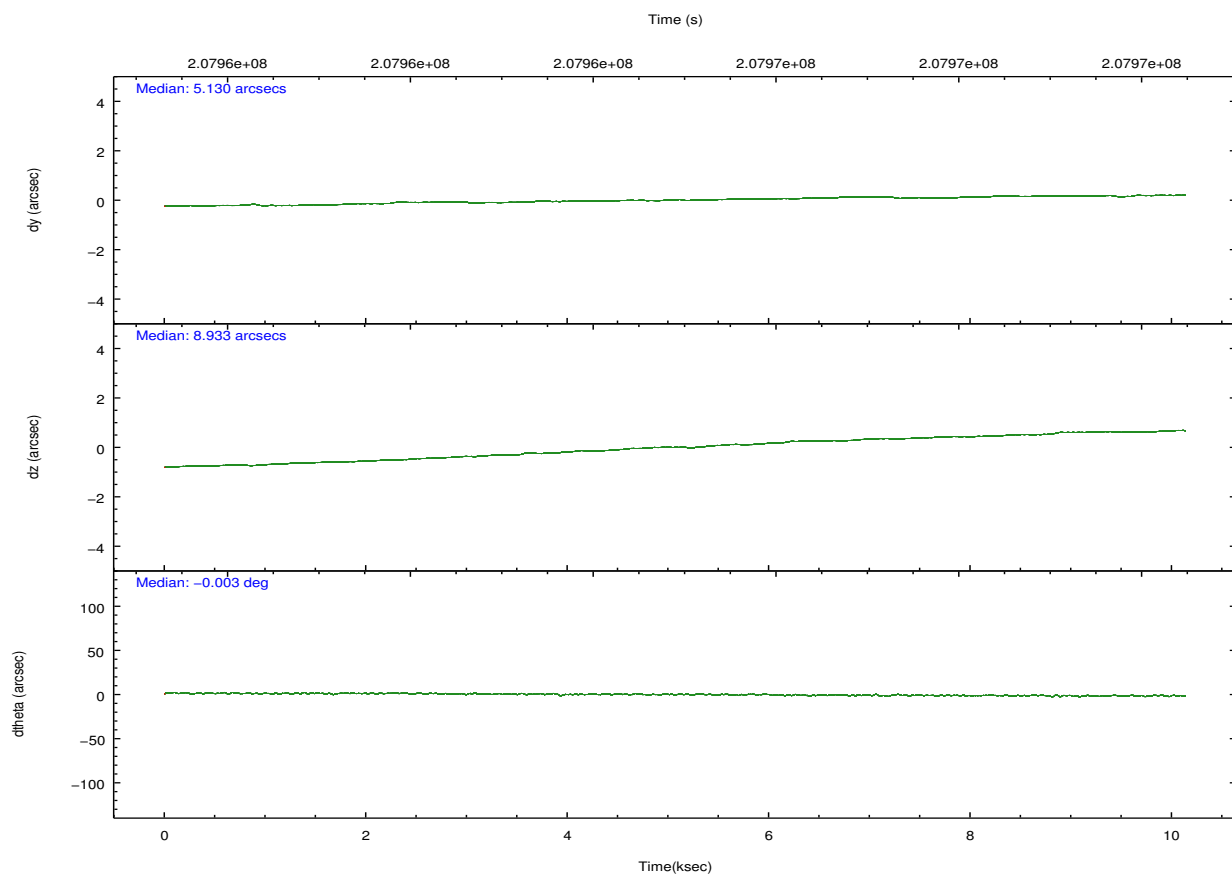
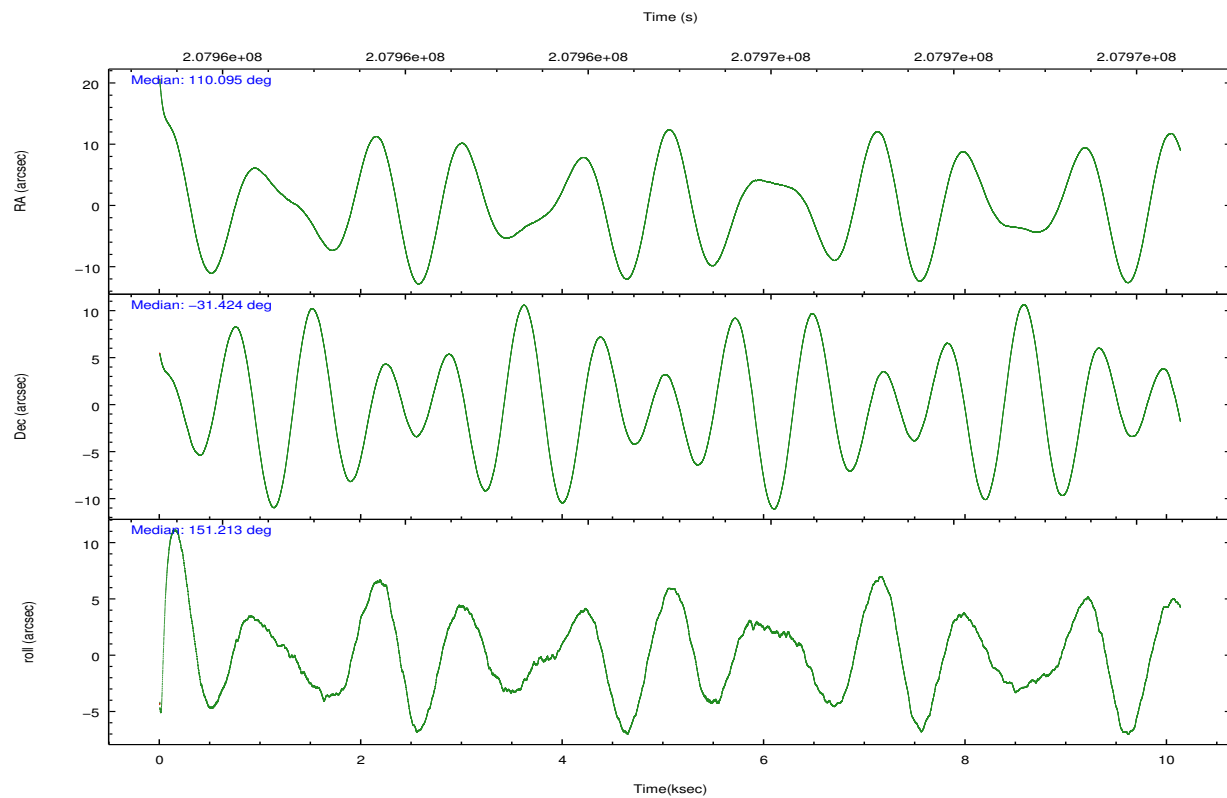
	ccd 7
level 1 events	69259
rejected events	12874
rejected %	18%

	ccd 7
grade 0 events	15025
	21%
grade 1 events	168
	0%
grade 2 events	13996
	20%
grade 3 events	4660
	6%
grade 4 events	4597
	6%
grade 5 events	8668
	12%
grade 6 events	22145
	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	110.127237	110.0953933936219	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.423417	-31.42434771153447	Alternating exposures requested	N	N
[deg] Pointing Roll	151.079569	151.2195698805526	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	207959963.184000	207958788.34412			
Observation start date	2004-08-03T22:38:19	2004-08-03T22:19:48			
[s] Observation end time (MET)	207969963.184000	207970834.14465			
Observation end date	2004-08-04T01:24:59	2004-08-04T01:40:34			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect

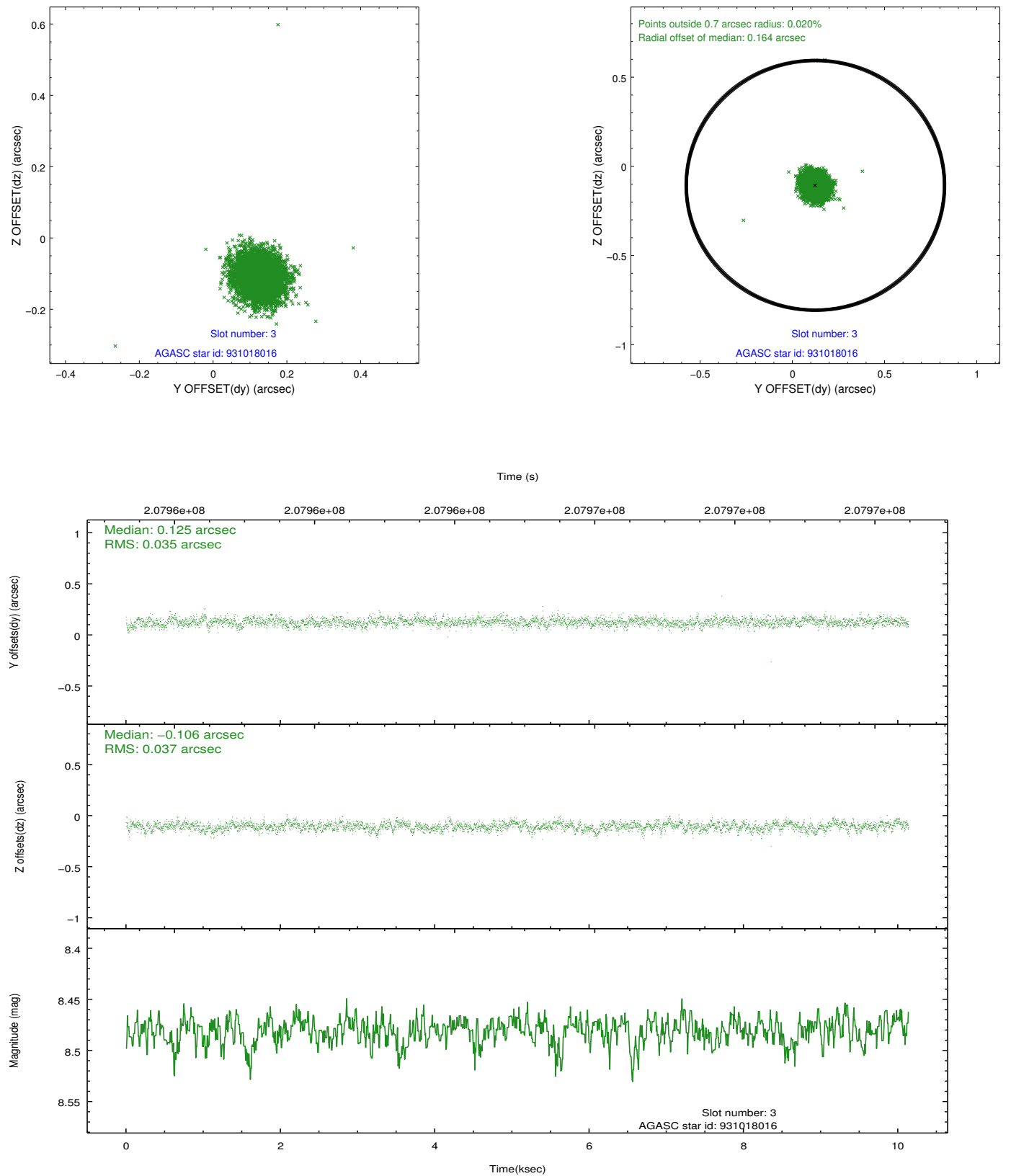


Slot Statistics

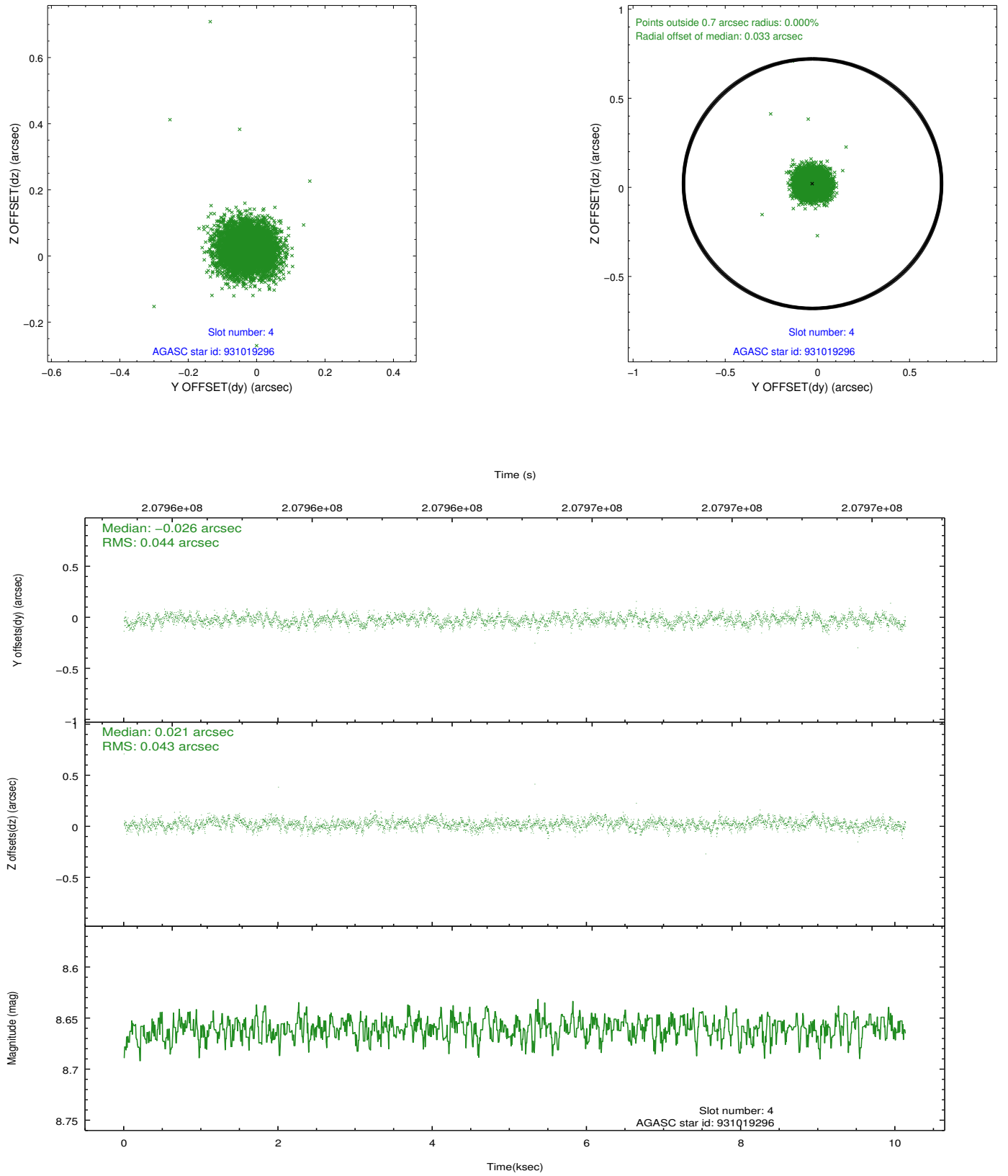
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2473	-0.096	-0.066	0.014	0.022	0.000000	0.000000	-757.94	-1730.13
1	FID	ACIS-S-4	7.20	2473	0.065	0.059	0.010	0.016	0.000000	0.000000	2155.28	177.91
2	FID	ACIS-S-6	7.35	2473	0.003	0.013	0.010	0.016	0.000000	0.000000	404.84	815.87
3	GUIDE	931018016	8.48	4944	0.125	-0.106	0.052	0.087	109.684535	-31.226562	1534.62	41.50
4	GUIDE	931019296	8.66	4942	-0.026	0.021	0.064	0.103	109.471771	-31.694370	1283.07	1830.72
5	GUIDE	931160352	8.63	4943	0.016	0.109	0.064	0.104	110.268138	-30.864891	591.98	-1969.55
6	GUIDE	931163512	8.44	4945	-0.035	0.048	0.076	0.117	110.894384	-31.299941	-1854.04	-1523.44
7	GUIDE	931022960	8.94	4942	-0.083	-0.073	0.090	0.140	109.733092	-31.864448	285.49	1974.27

2.4 Star Slots

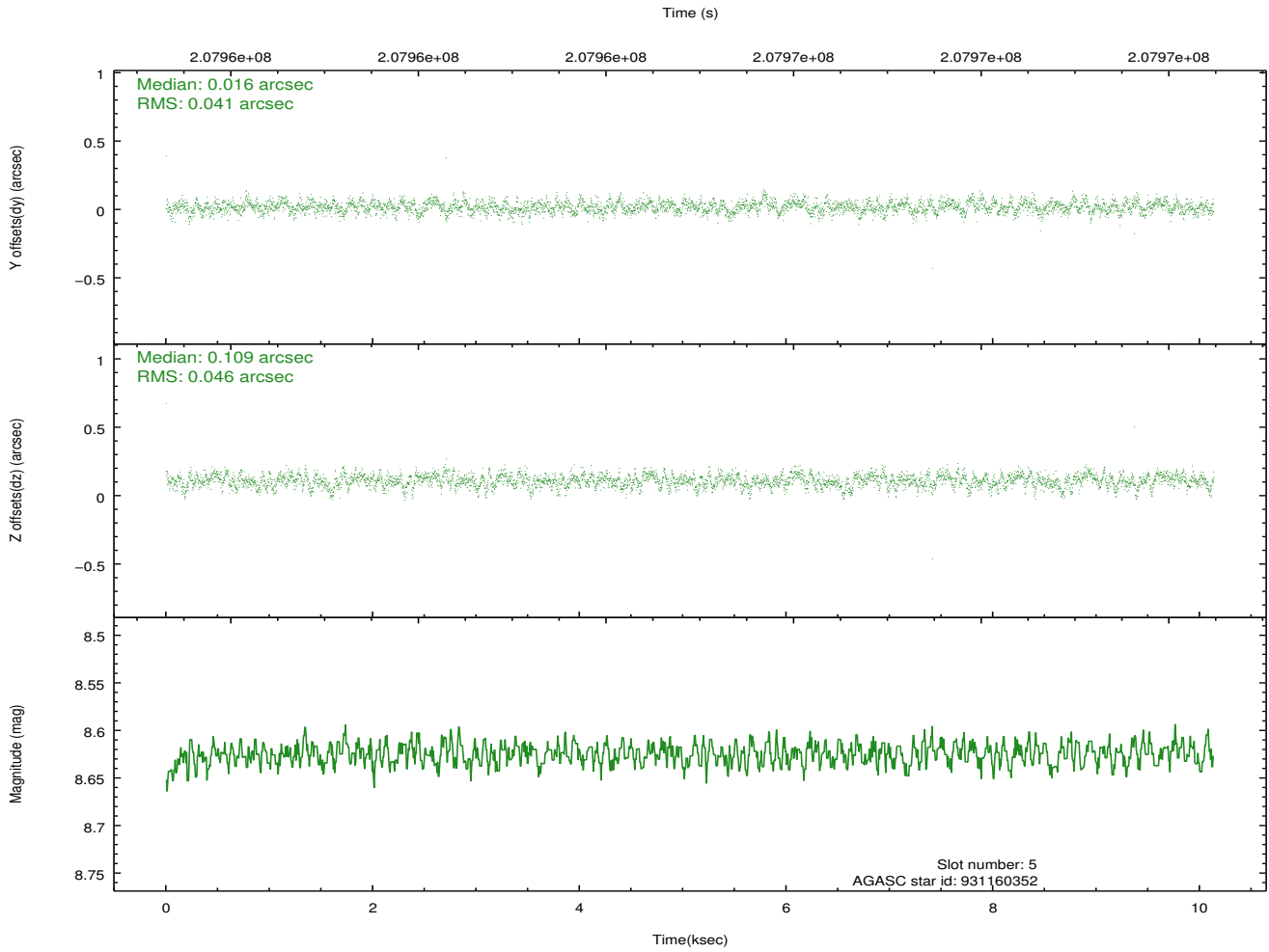
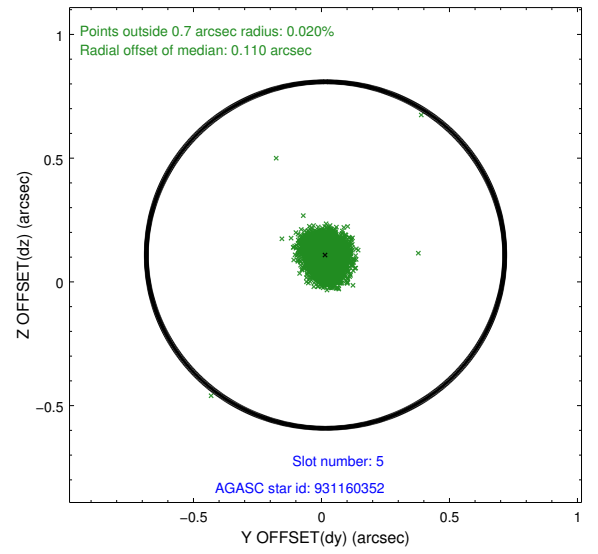
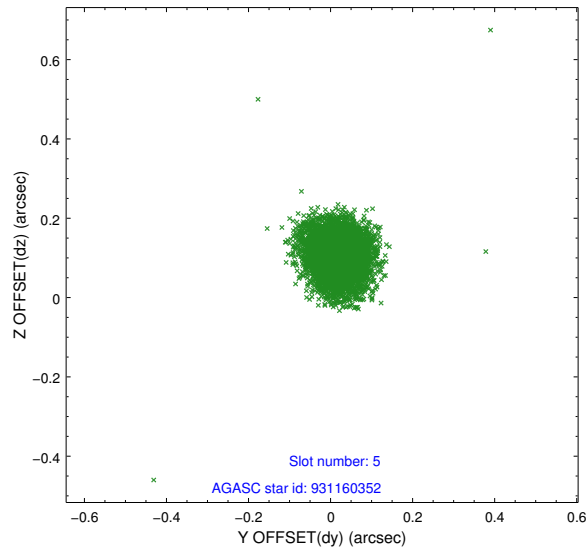
2.4.1 Slot 3



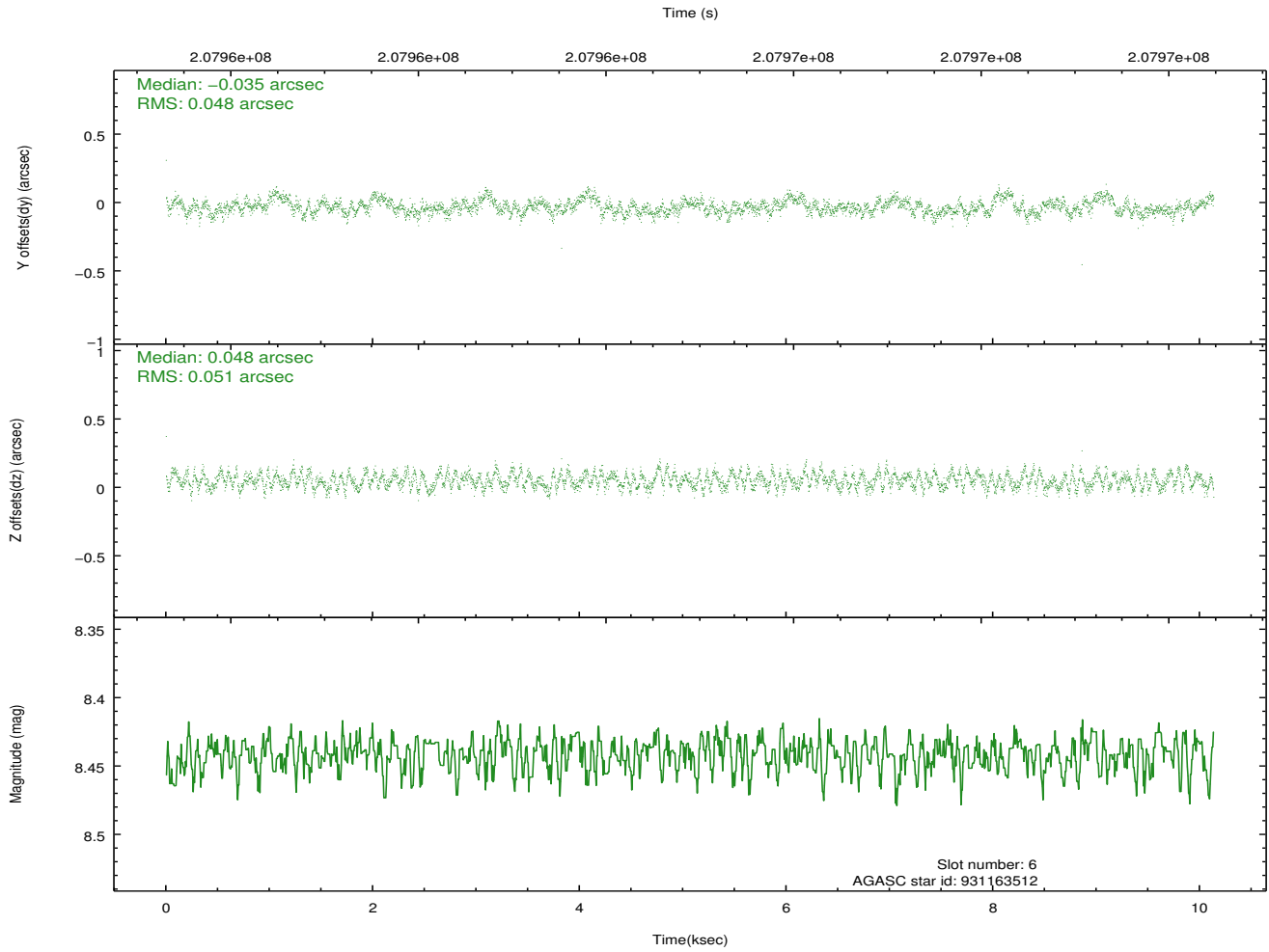
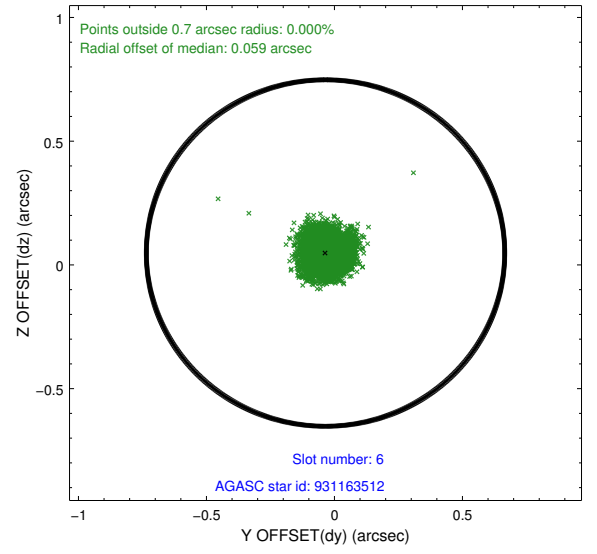
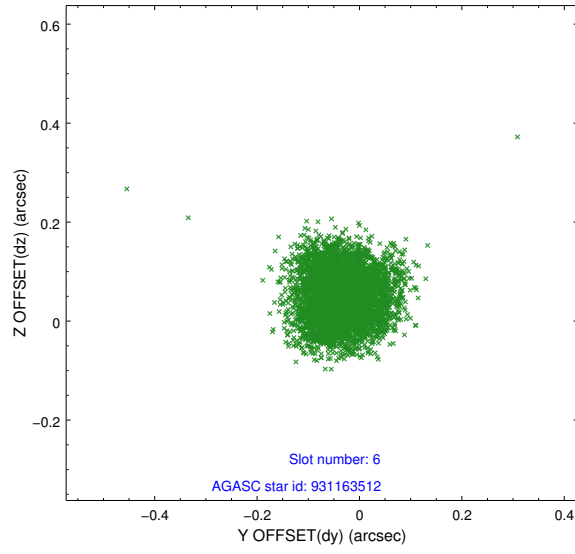
2.4.2 Slot 4



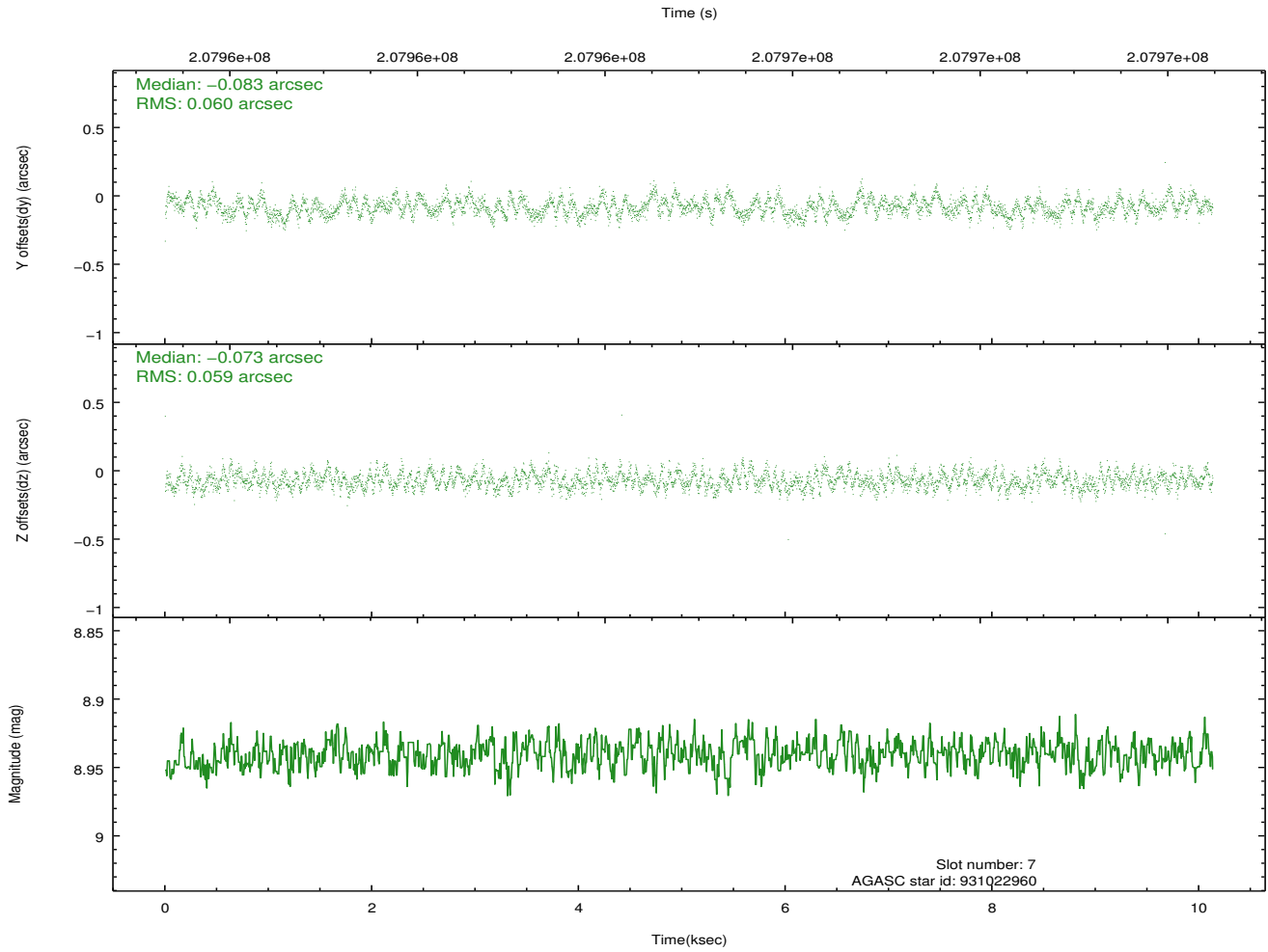
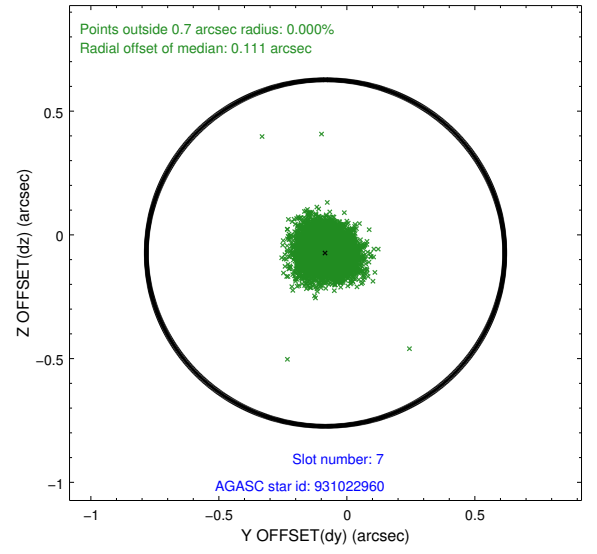
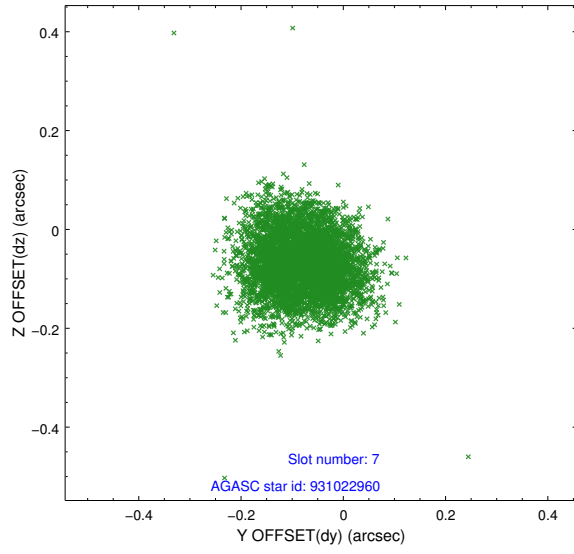
2.4.3 Slot 5



2.4.4 Slot 6

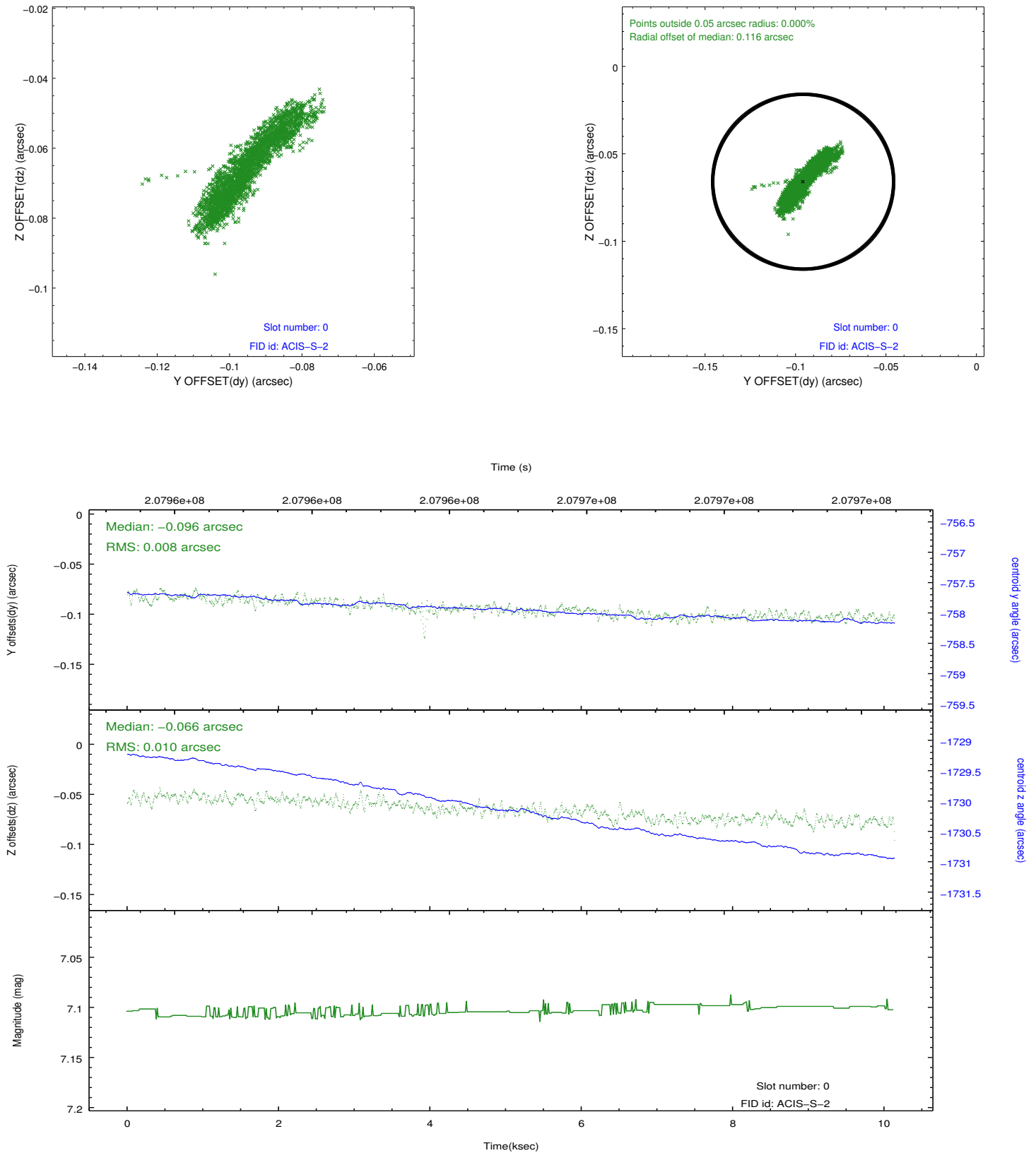


2.4.5 Slot 7

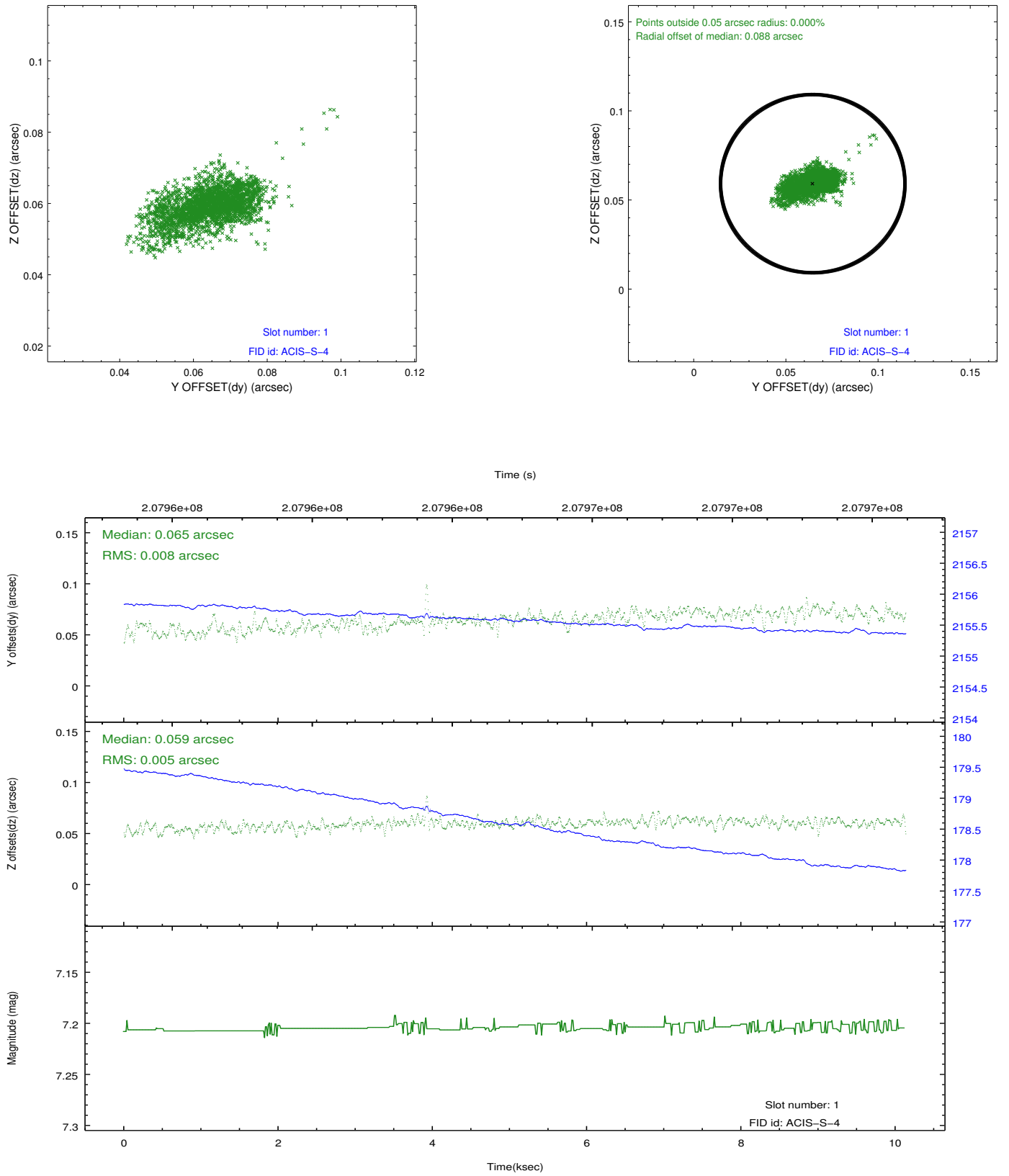


2.5 FID Slots

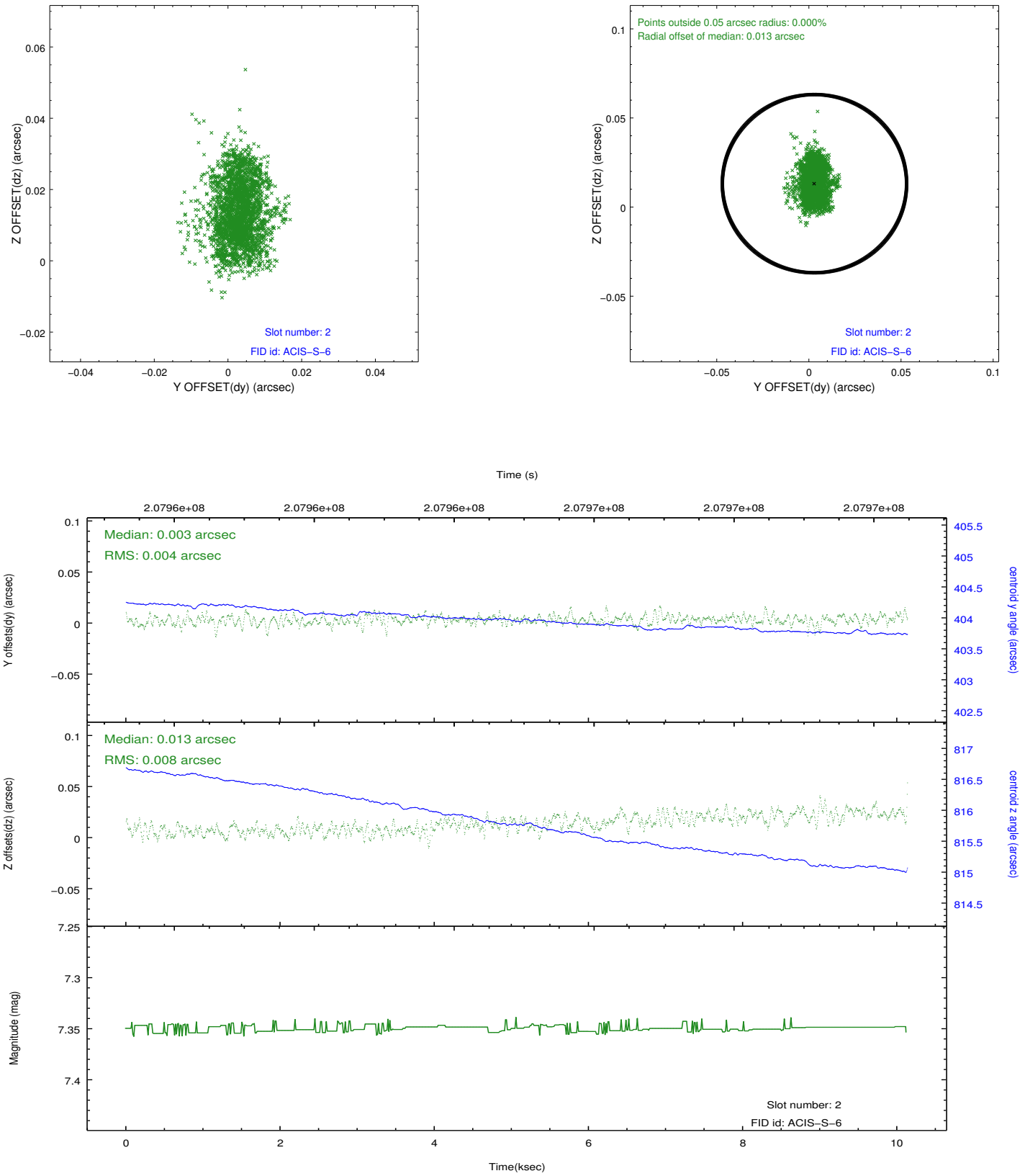
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.133

A.2 Comments