

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 16256 - L2 Version 1
Chandra X-Ray Center

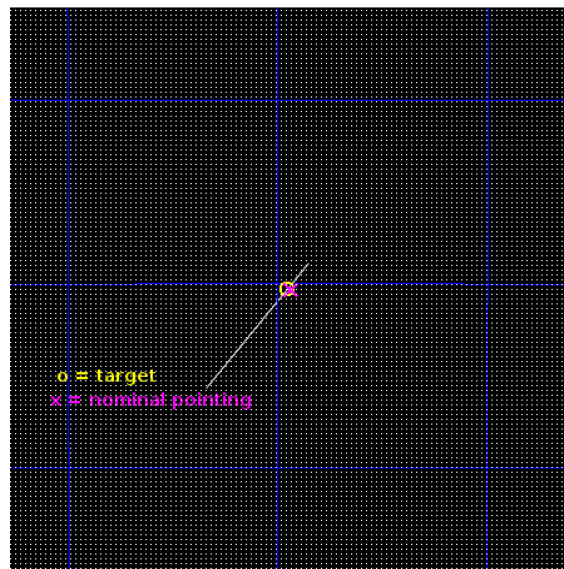
L2 Processing Date : Sep 18 2016

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1 Front

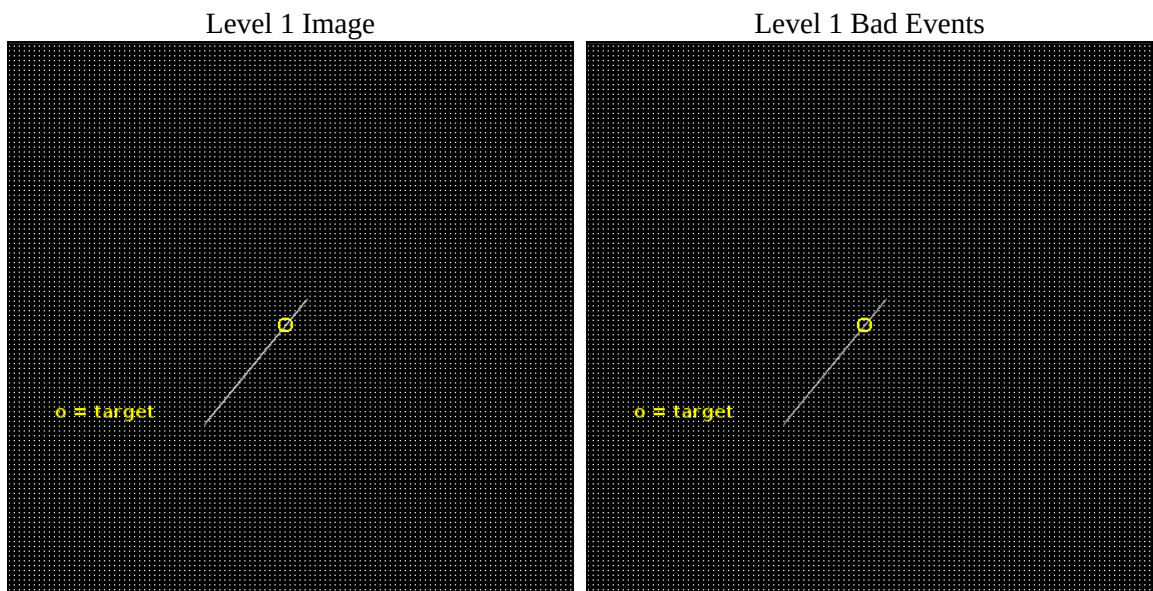
seq_num	502250	Sequence number
obs_id	16256	Observation id
title	A Fifteen-Year Ephemeris for the CCO Pulsar in Puppis A	Proposal t
observer	Jules Halpern	Principal investigator
object	PSR J0821-4300	Source name
ra_targ	125.48875	Observer's specified target RA [deg]
dec_targ	-43.004806	Observer's specified target Dec [deg]
ra_nom	125.48343929039	Nominal RA [deg]
dec_nom	-43.005690764708	Nominal Dec [deg]
roll_nom	128.15302713137	Nominal Roll [deg]
revision	1	Processing version of data
ontime	33622.5	Sum of GTIs [s]
livetime	33491.162109375	Livetime [s]
ontime7	33622.5	Sum of GTIs [s]
l2events	544251	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	33506.480000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	33622.5	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	33622.5	Sum of GTIs [s]
date	2016-09-18T22:42:09	Date and time of file creation	l1events	864893	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	864893
rejected events	306283
rejected %	35%

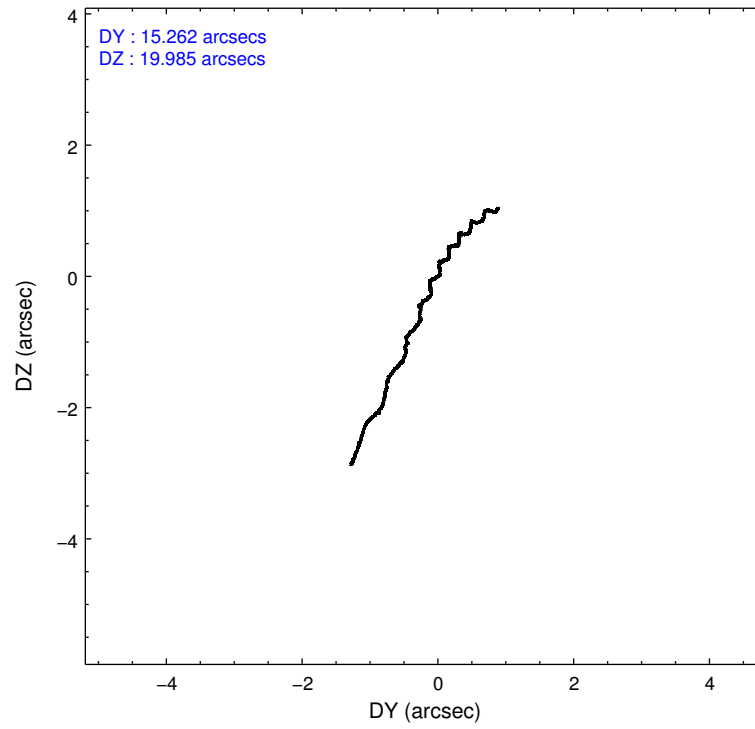
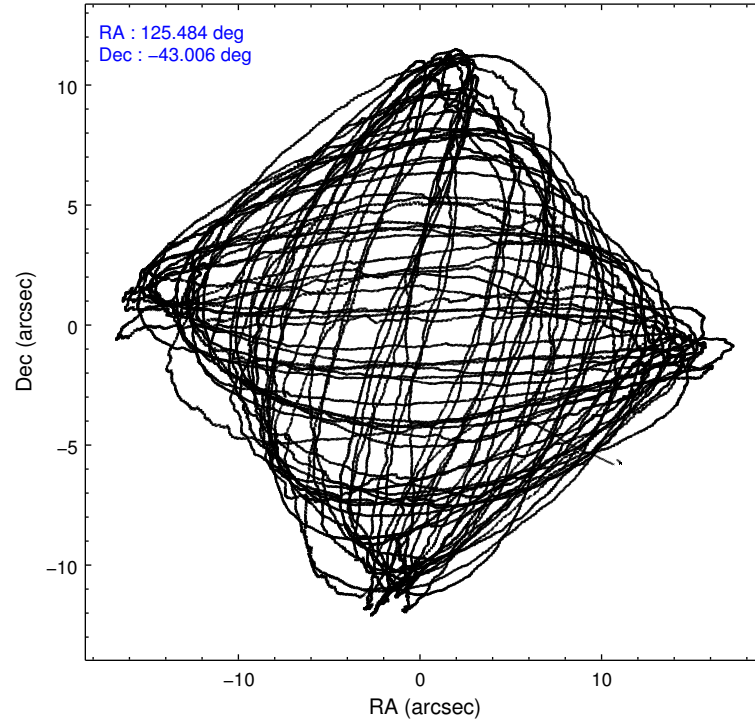
	ccd 7
grade 0 events	126453
	14%
grade 1 events	486
	0%
grade 2 events	180397
	20%
grade 3 events	49456
	5%
grade 4 events	48930
	5%
grade 5 events	31092
	3%
grade 6 events	155224
	17%
grade 7 events	272855
	31%

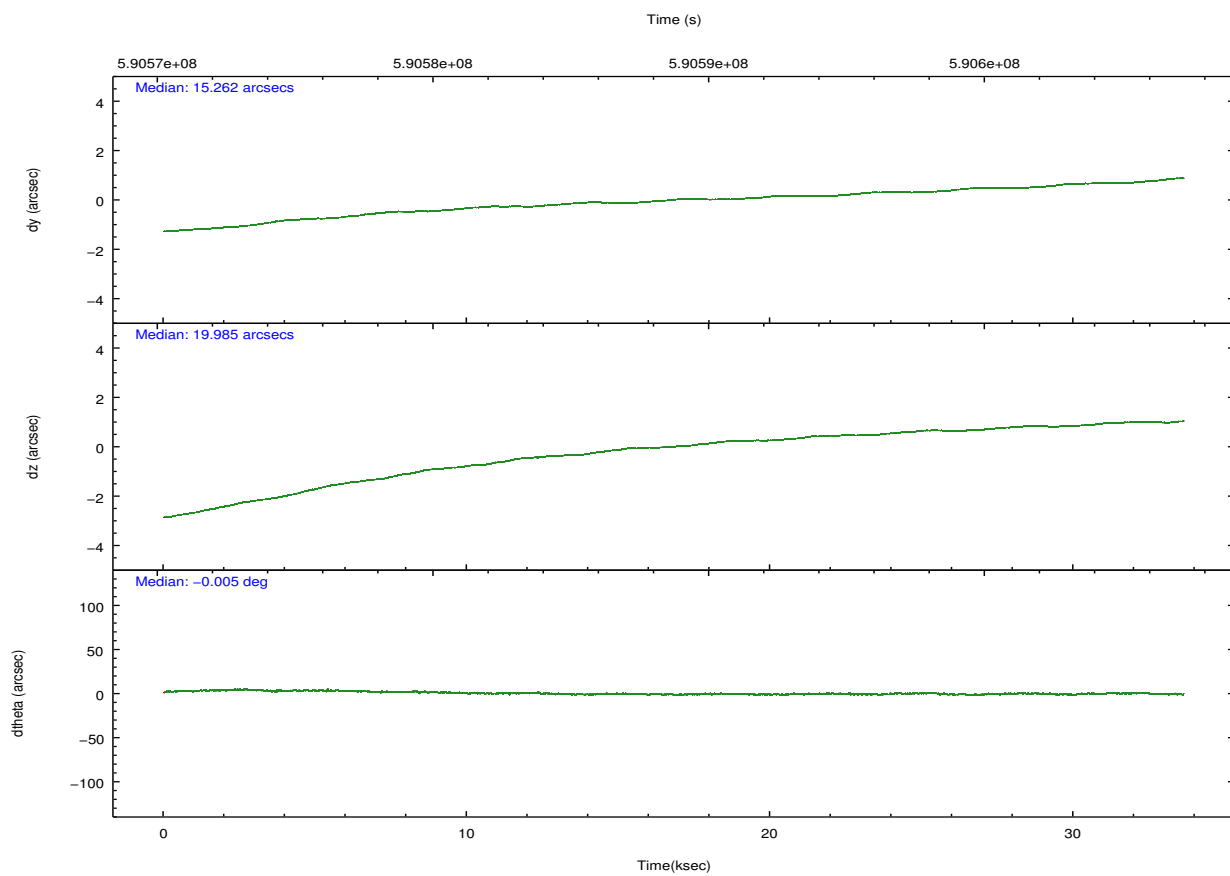
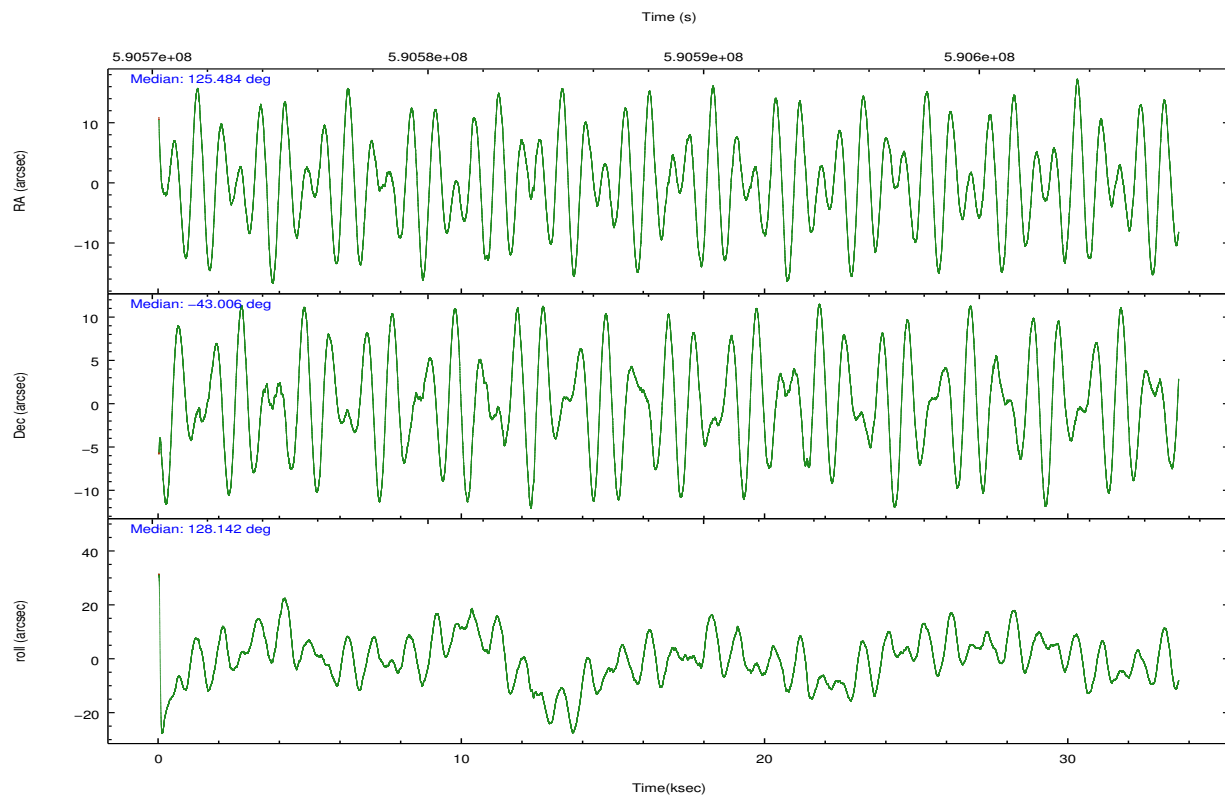
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	CC33_FAINT	CC33_FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	125.518448	125.4834392903931
[deg] Pointing Dec	-43.015540	-43.00569076470769
[deg] Pointing Roll	128.020260	128.1530271313738
[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)	590572054.184000	590570293.8164099
Observation start date	2016-09-18T07:46:26	2016-09-18T07:18:13
[s] Observation end time (MET)	590605561.184000	590605786.49345
Observation end date	2016-09-18T17:04:53	2016-09-18T17:09:46
Read mode	CONTINUOUS	CONTINUOUS

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	0

2.3 Aspect



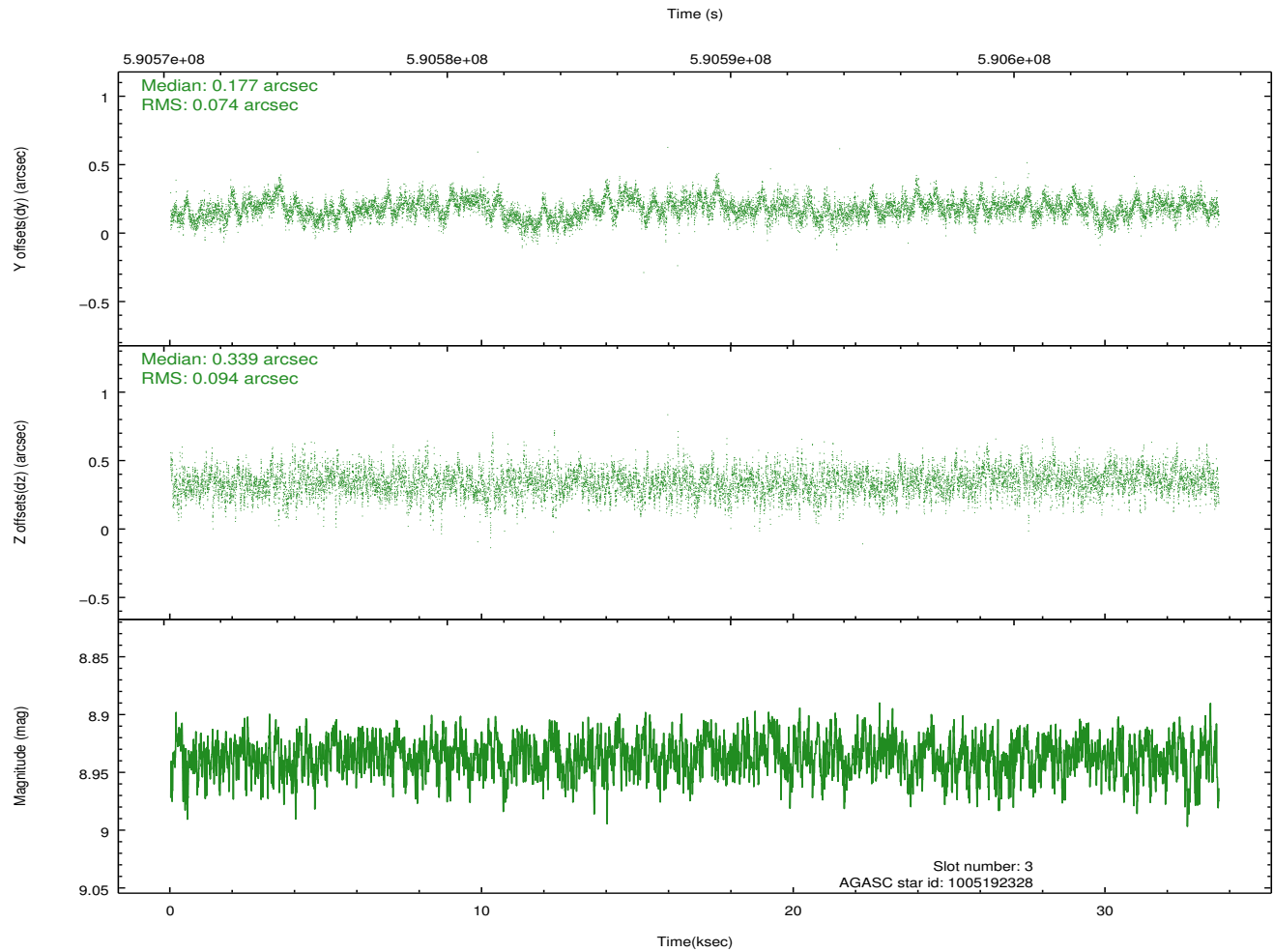
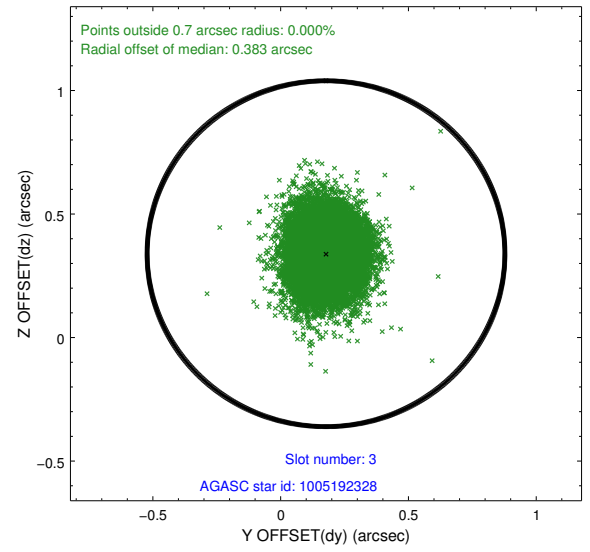
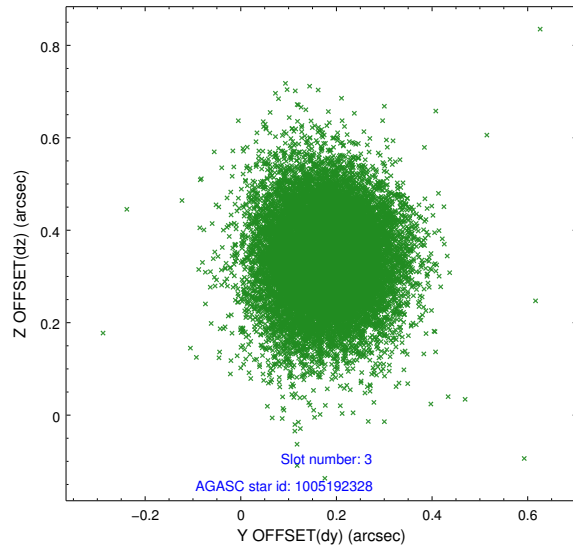


Slot Statistics

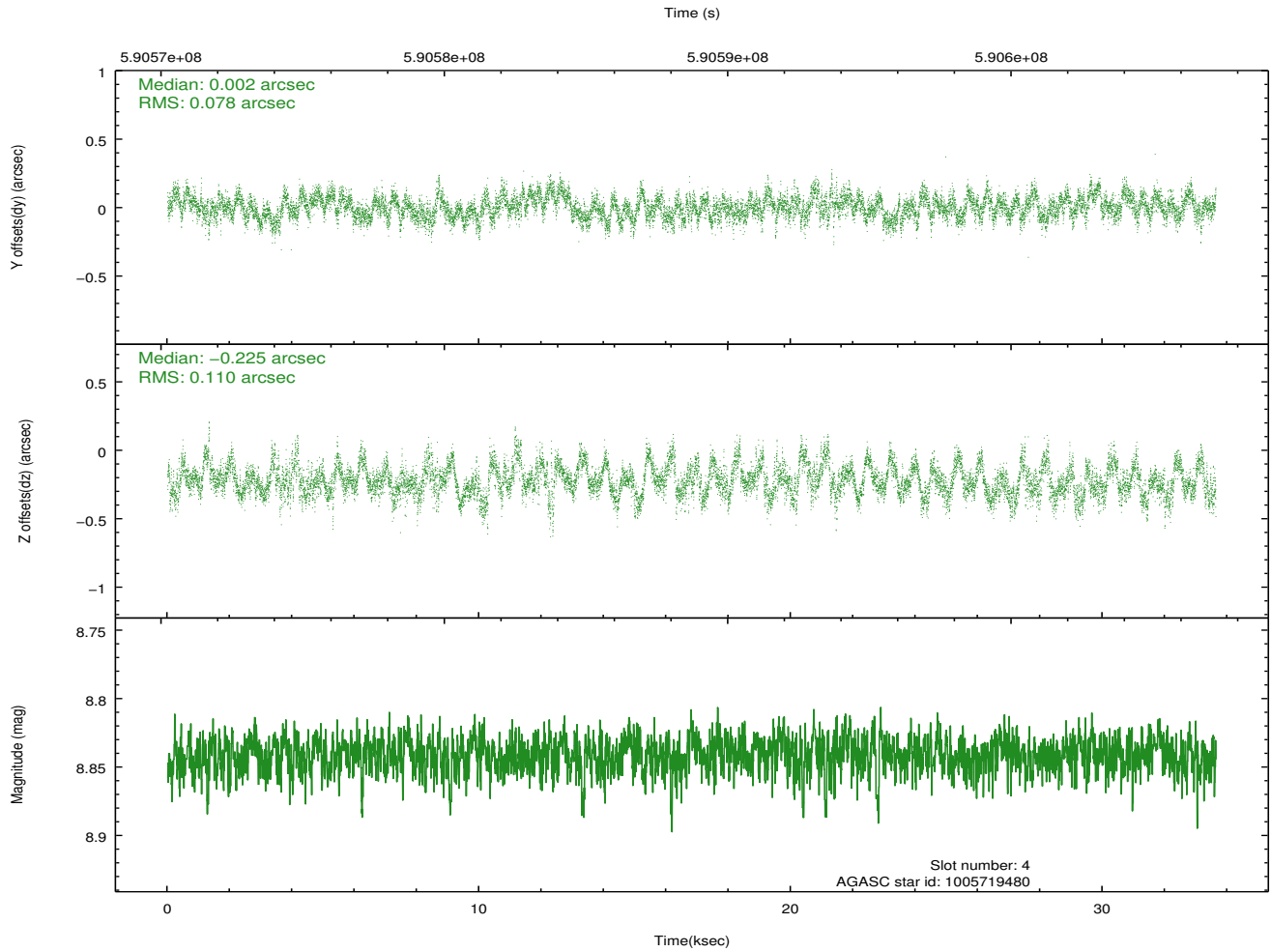
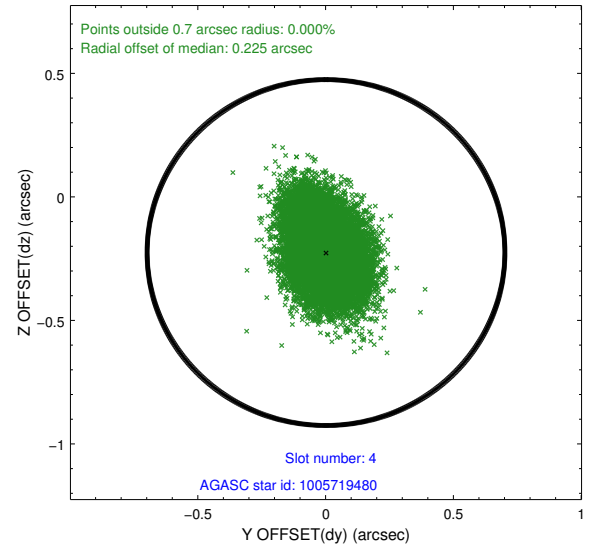
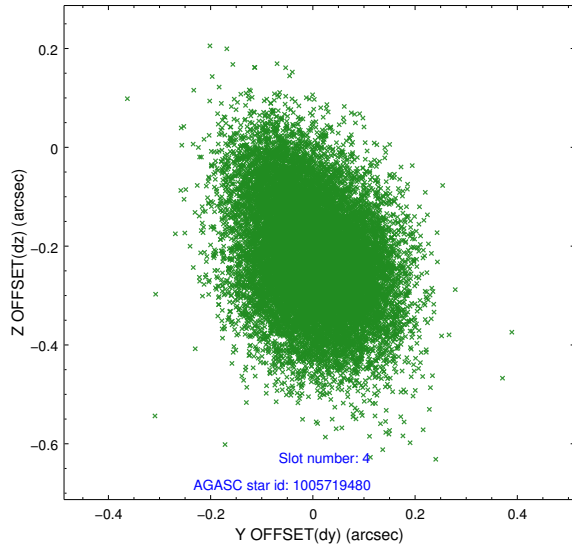
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.98	8202	-0.204	-0.094	0.022	0.071	0.000000	0.000000	-768.33	-1741.25
1	FID		ACIS-S-4	7.09	8202	0.453	0.123	0.018	0.033	0.000000	0.000000	2145.55	167.42
2	FID		ACIS-S-5	7.08	8203	-0.286	-0.023	0.033	0.068	0.000000	0.000000	-1821.22	160.98
3	GUIDE	used	1005192328	8.94	16388	0.177	0.339	0.125	0.207	126.494374	-42.919317	-1322.92	-2230.36
4	GUIDE	used	1005719480	8.84	16397	0.002	-0.225	0.143	0.237	125.476619	-43.605627	-1606.69	1394.31
5	GUIDE	used	1005723560	8.42	16400	0.057	0.298	0.135	0.233	126.279097	-43.364629	-2222.98	-788.13
6	GUIDE	used	1005726872	7.36	16402	-0.180	-0.239	0.103	0.172	125.535449	-43.662820	-1863.24	1400.31
7	GUIDE	used	1005219184	9.82	16380	-0.047	-0.177	0.249	0.386	125.451801	-42.433714	1759.27	-1149.76

2.4 Star Slots

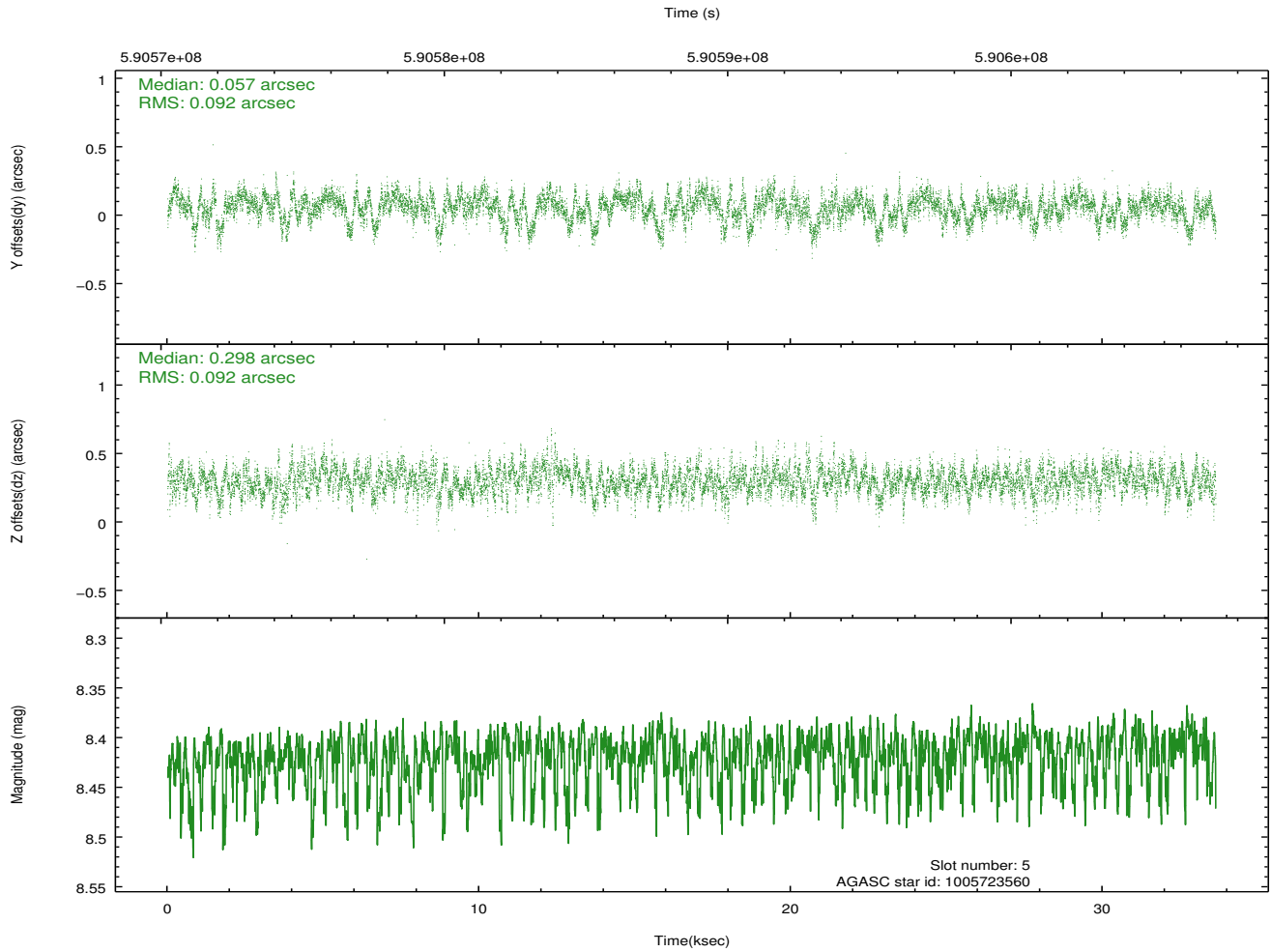
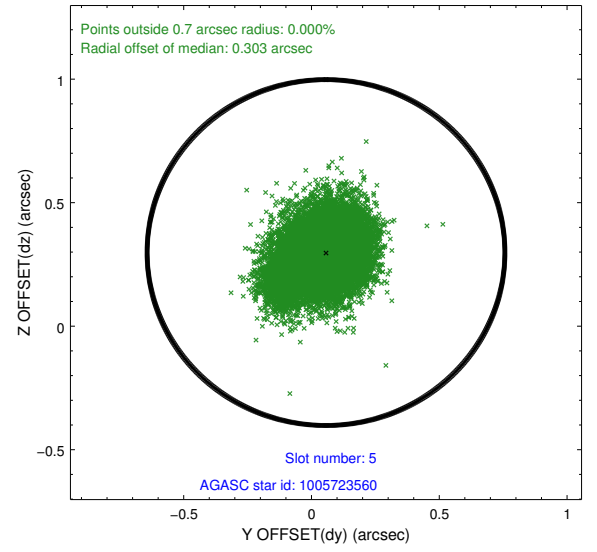
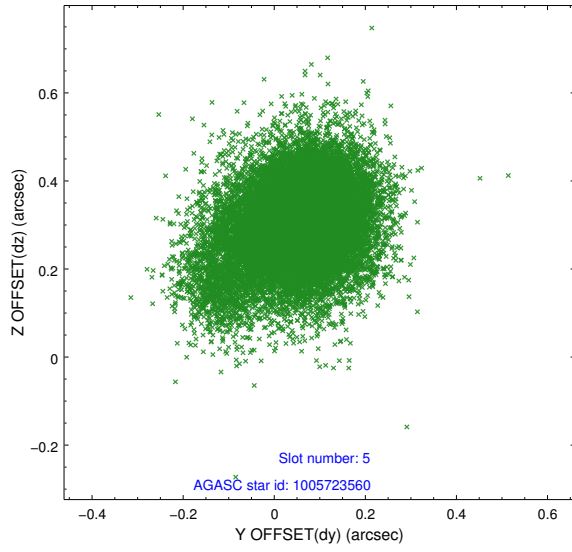
2.4.1 Slot 3



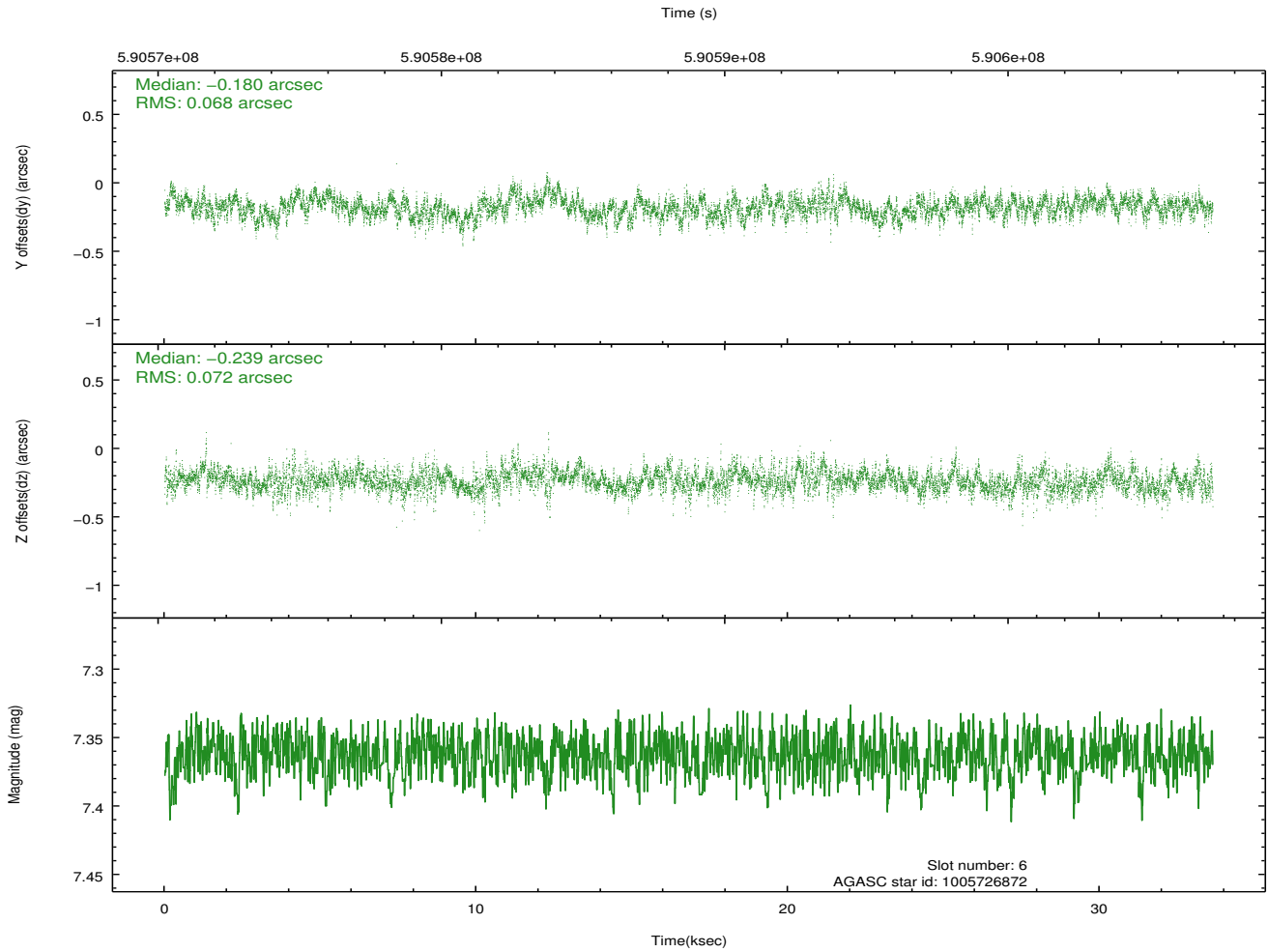
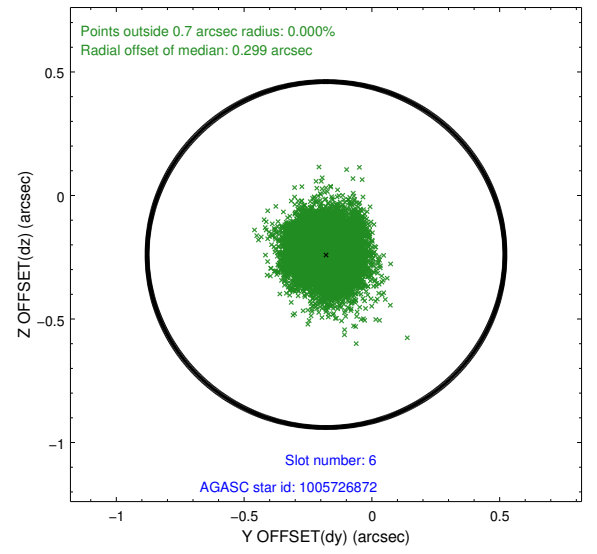
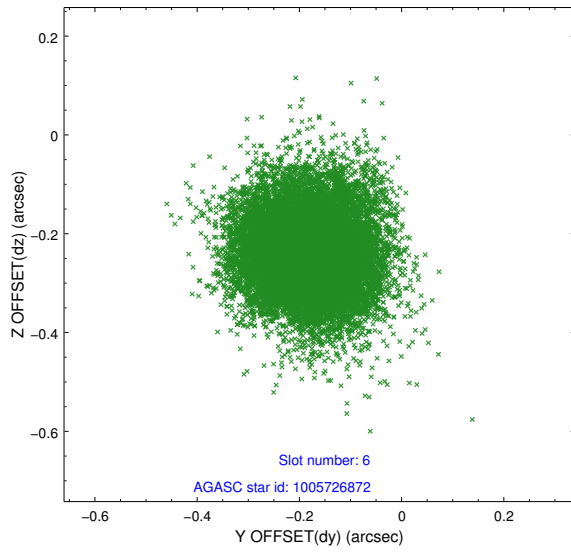
2.4.2 Slot 4



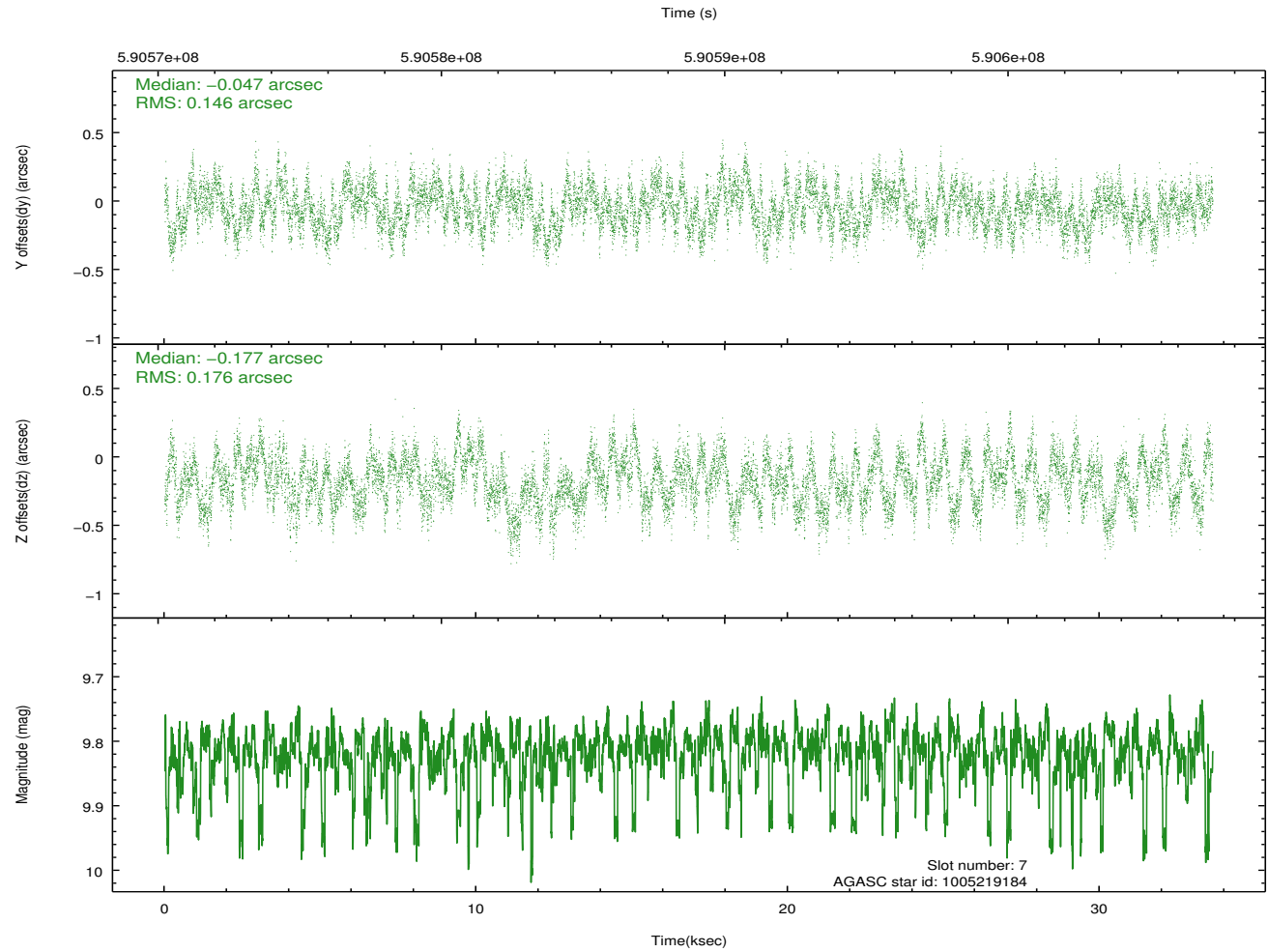
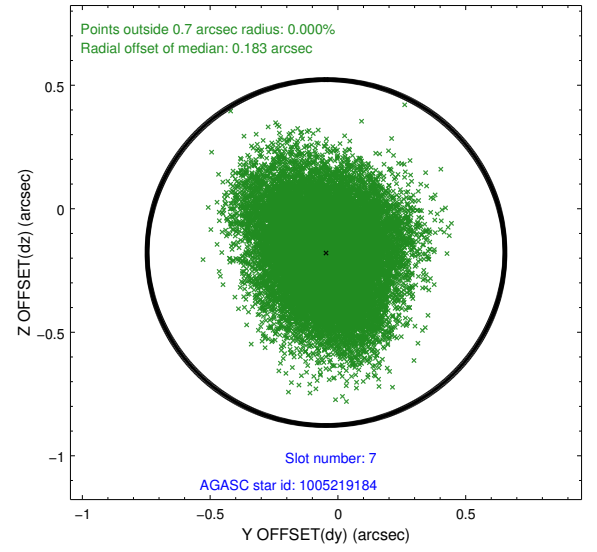
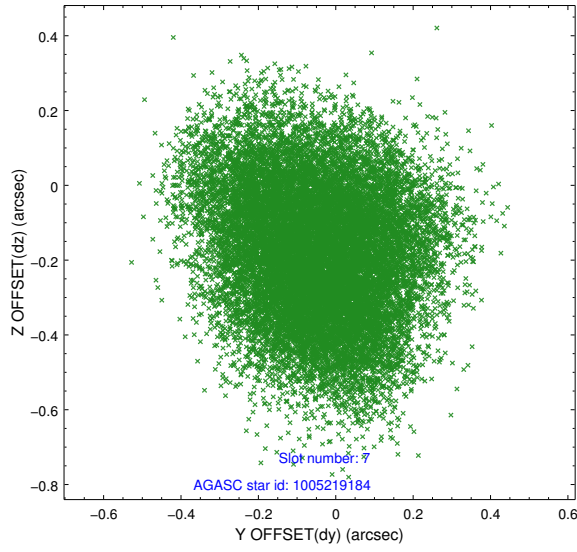
2.4.3 Slot 5



2.4.4 Slot 6

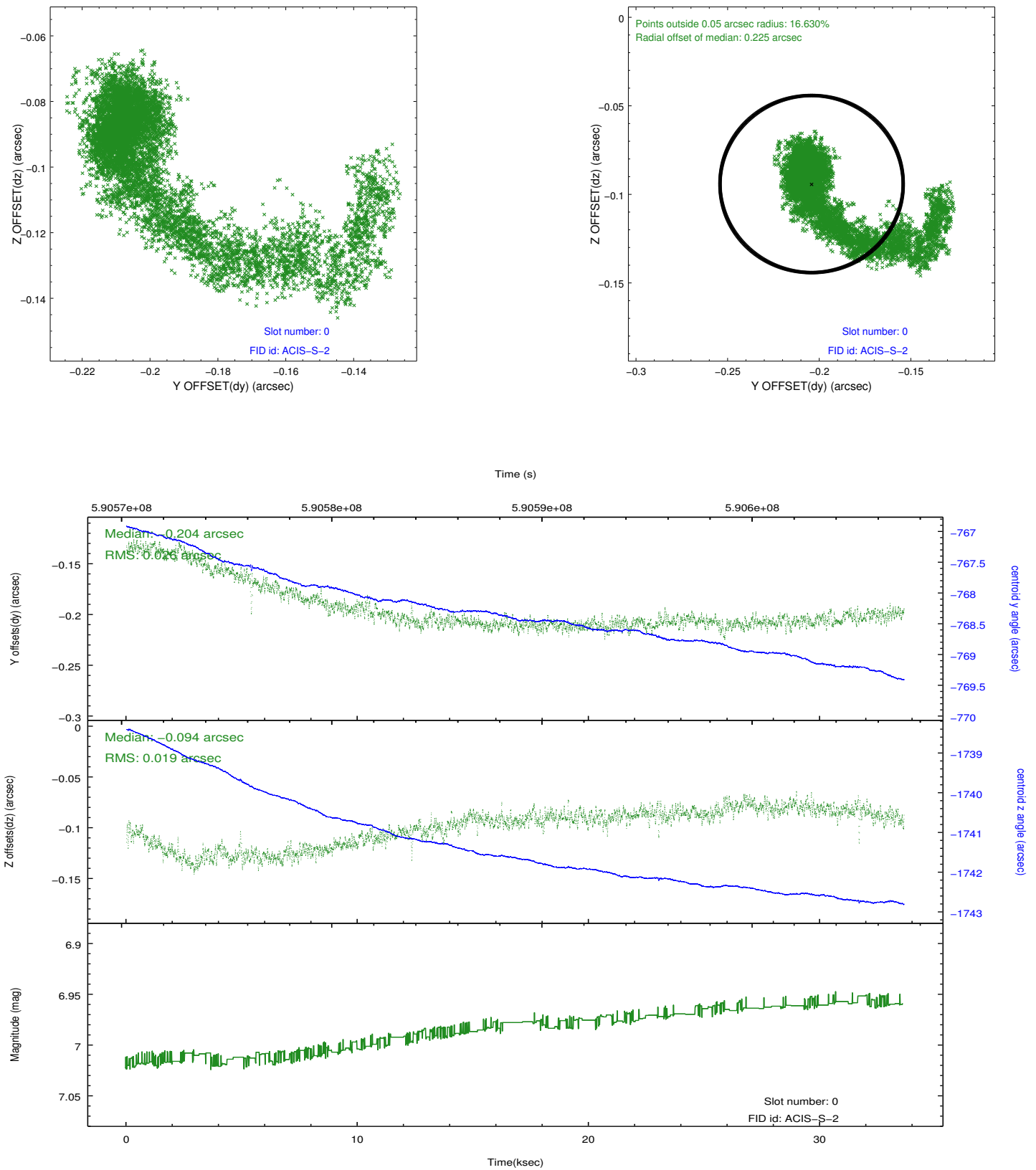


2.4.5 Slot 7

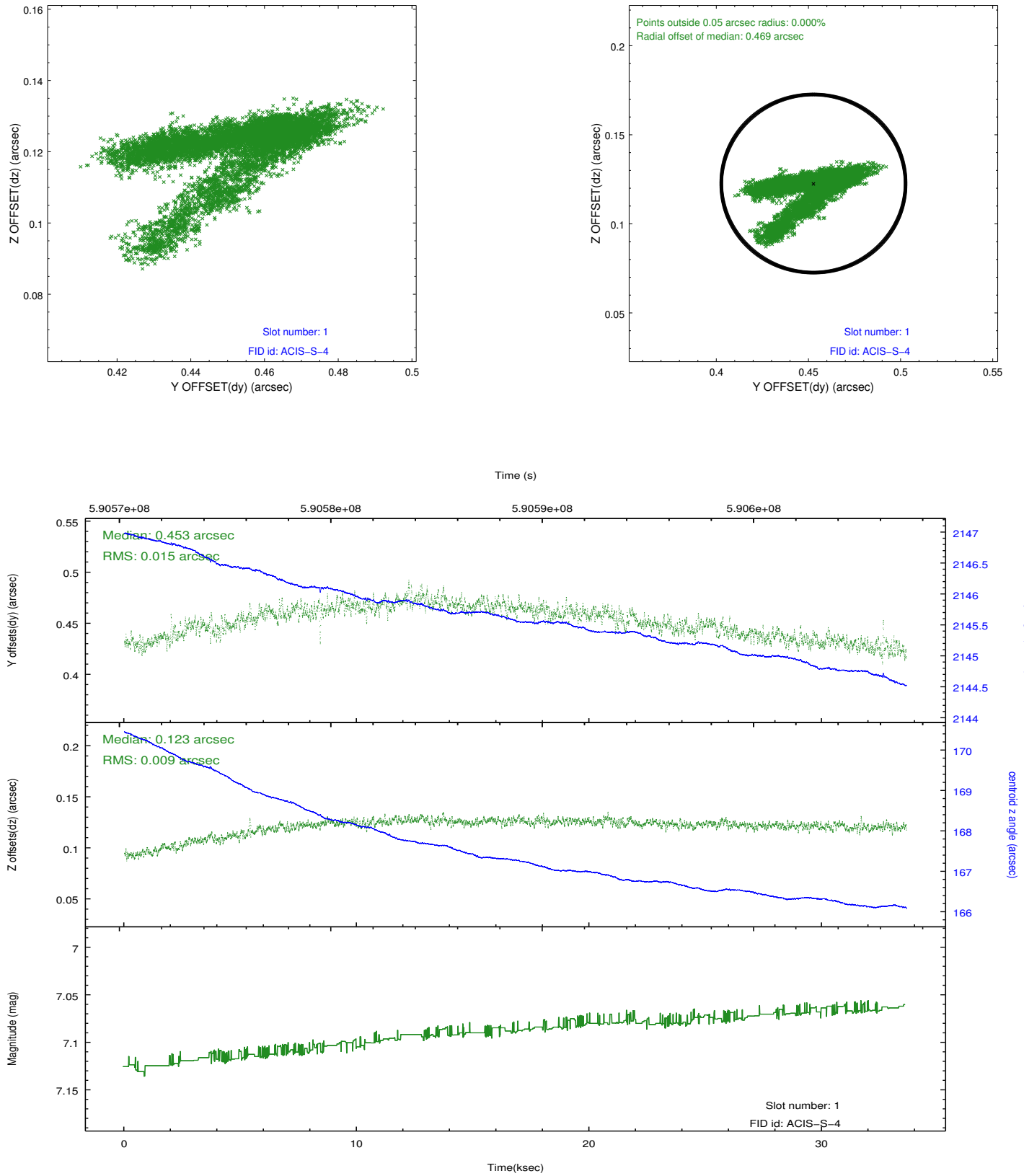


2.5 FID Slots

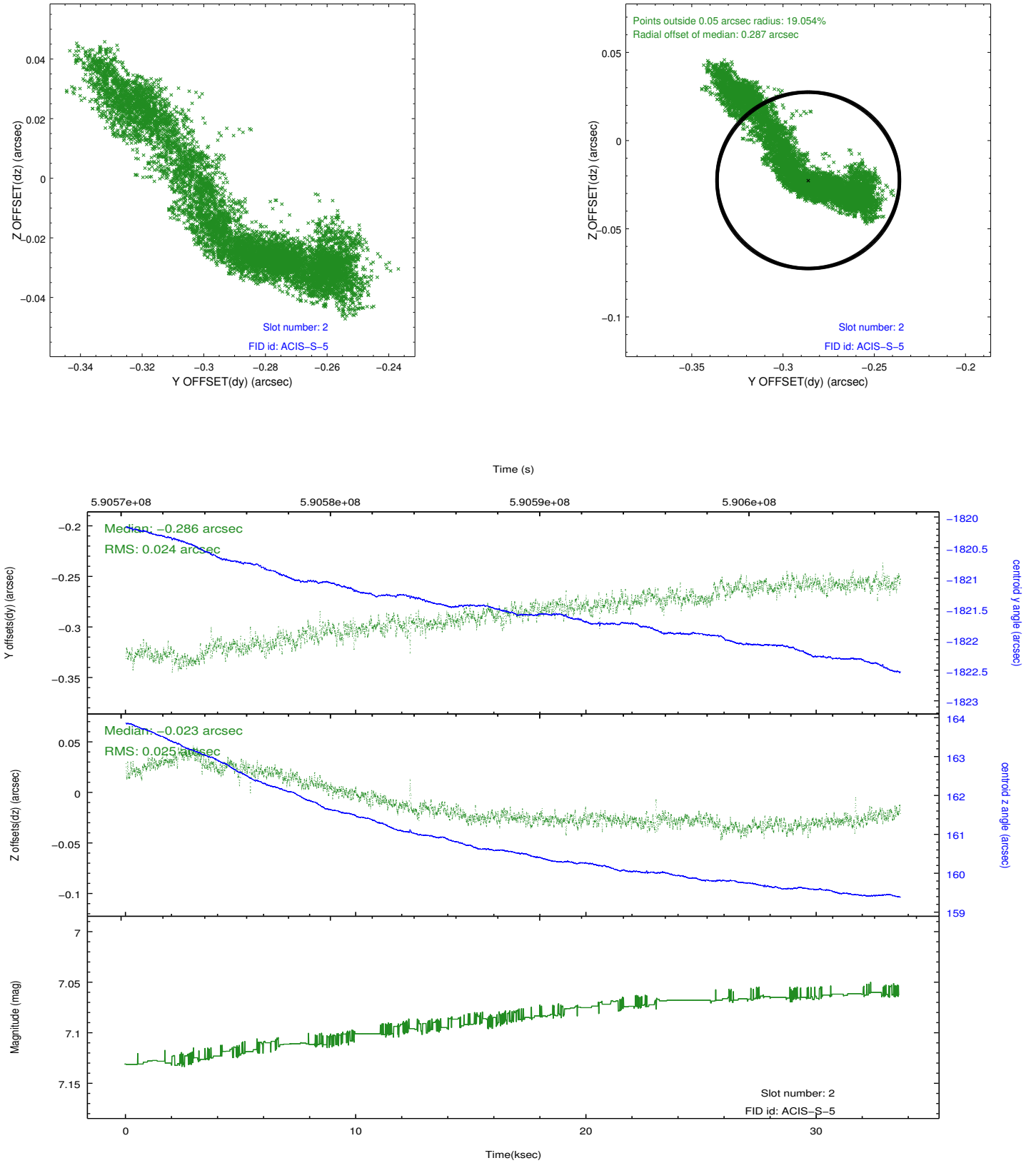
2.5.1 Slot 0



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)	2016.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.6225

A.2 Comments