

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14199 - L2 Version 2
Chandra X-Ray Center

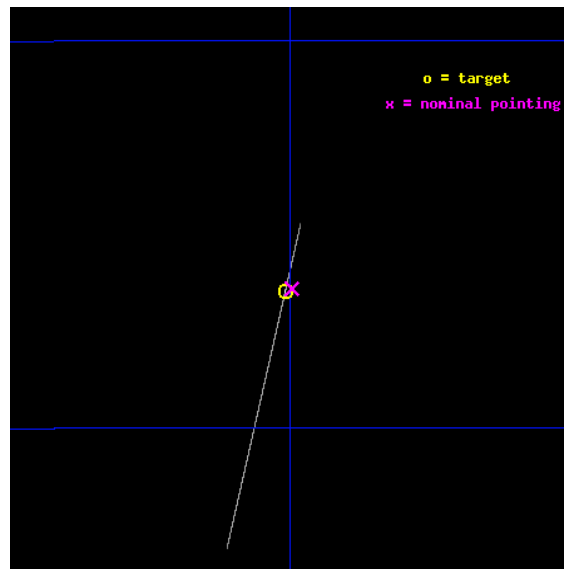
L2 Processing Date : Feb 27 2012

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1 Front

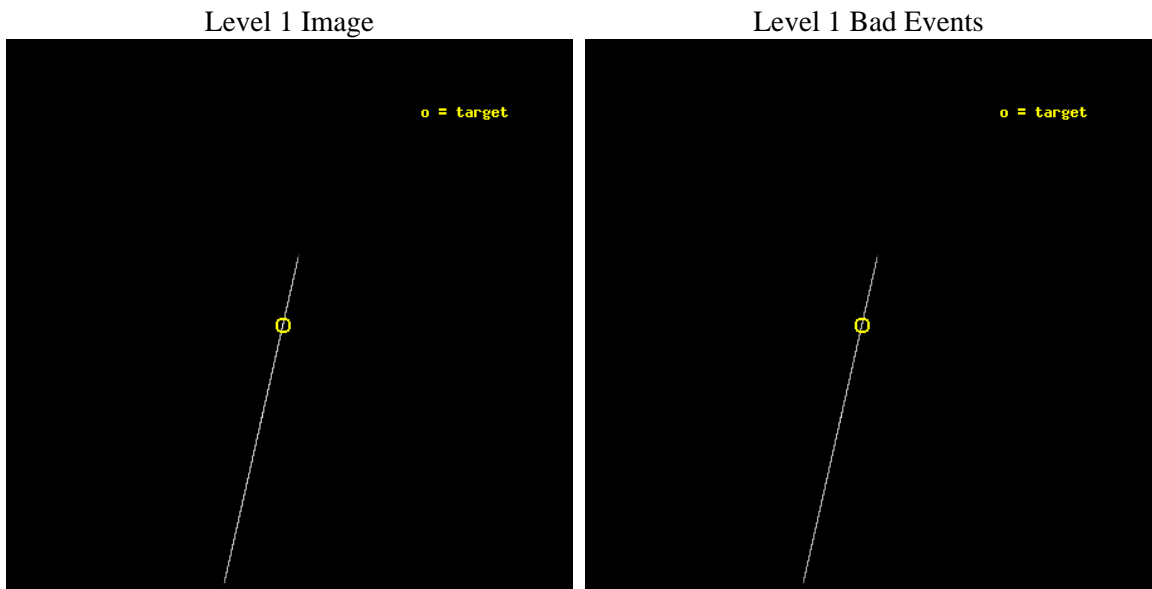
seq_num	501776	Sequence number
obs_id	14199	Observation id
title	Measuring the Spin-Down and Dipole Magnetic Field of the CCO Pulsar 1E 1207.4-5209	Proposal title
observer	Prof. Jules Halpern	Principal investigator
object	1E1207.4-5209	Source name
ra_targ	182.50375	Observer's specified target RA [deg]
dec_targ	-52.441222	Observer's specified target Dec [deg]
ra_nom	182.4990786779	Nominal RA [deg]
dec_nom	-52.440208543837	Nominal Dec [deg]
roll_nom	102.91181219191	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31125.5	Sum of GTIs [s]
livetime	31003.916015625	Livetime [s]
ontime7	31125.5	Sum of GTIs [s]
l2events	126800	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	31000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	31125.5	Sum of GTIs [s]
caldbver	4.4.8	 	ontime7	31125.5	Sum of GTIs [s]
date	2012-02-27T13:07:49	Date and time of file creation	l1events	381031	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

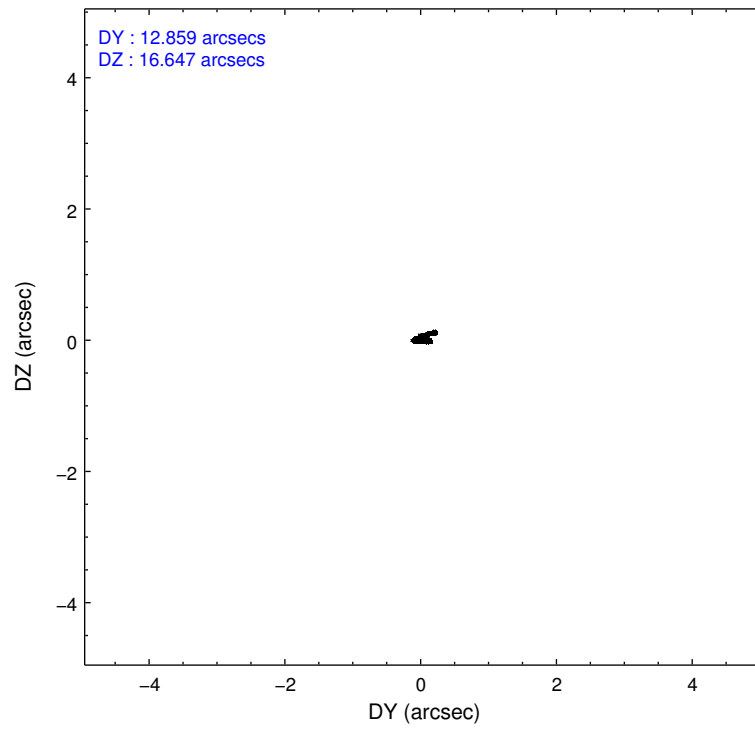
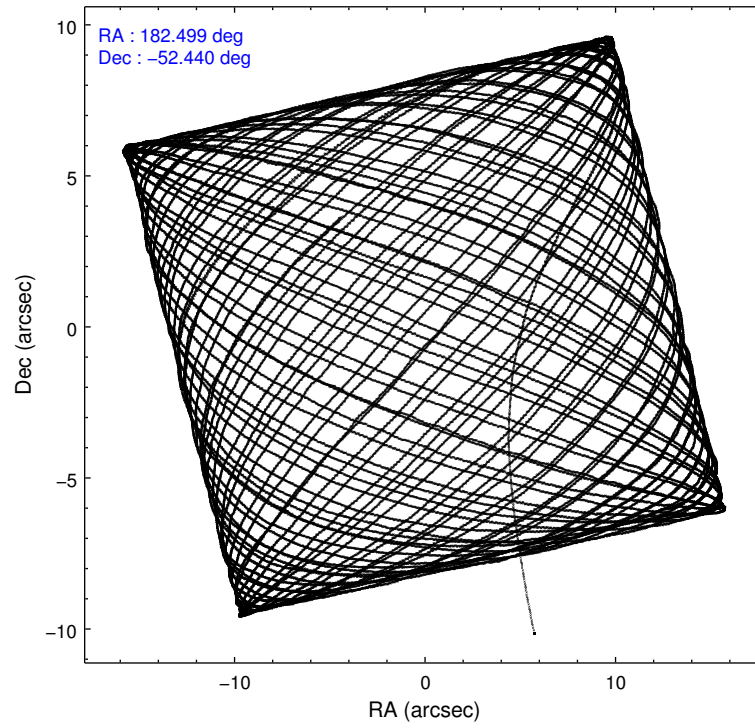
	ccd 7
level 1 events	381031
rejected events	249174
rejected %	65%

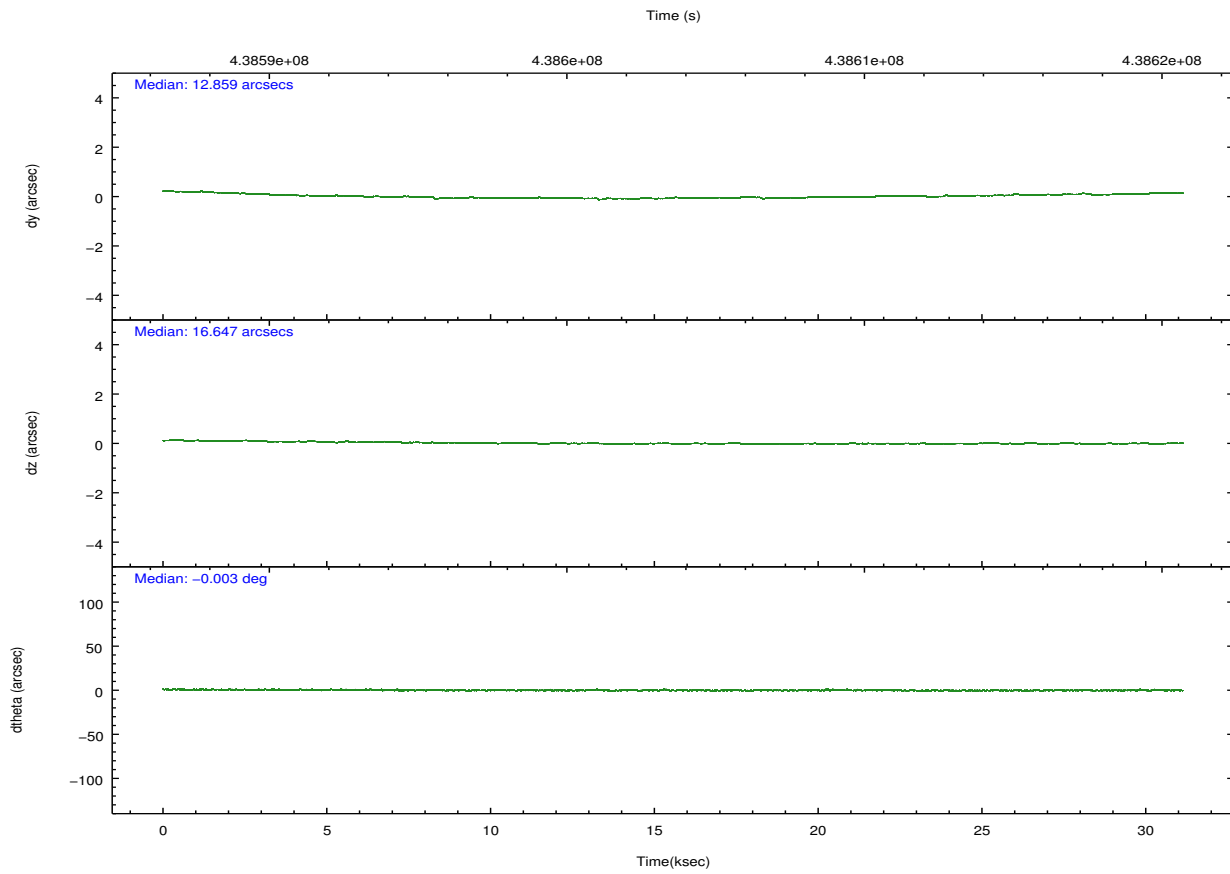
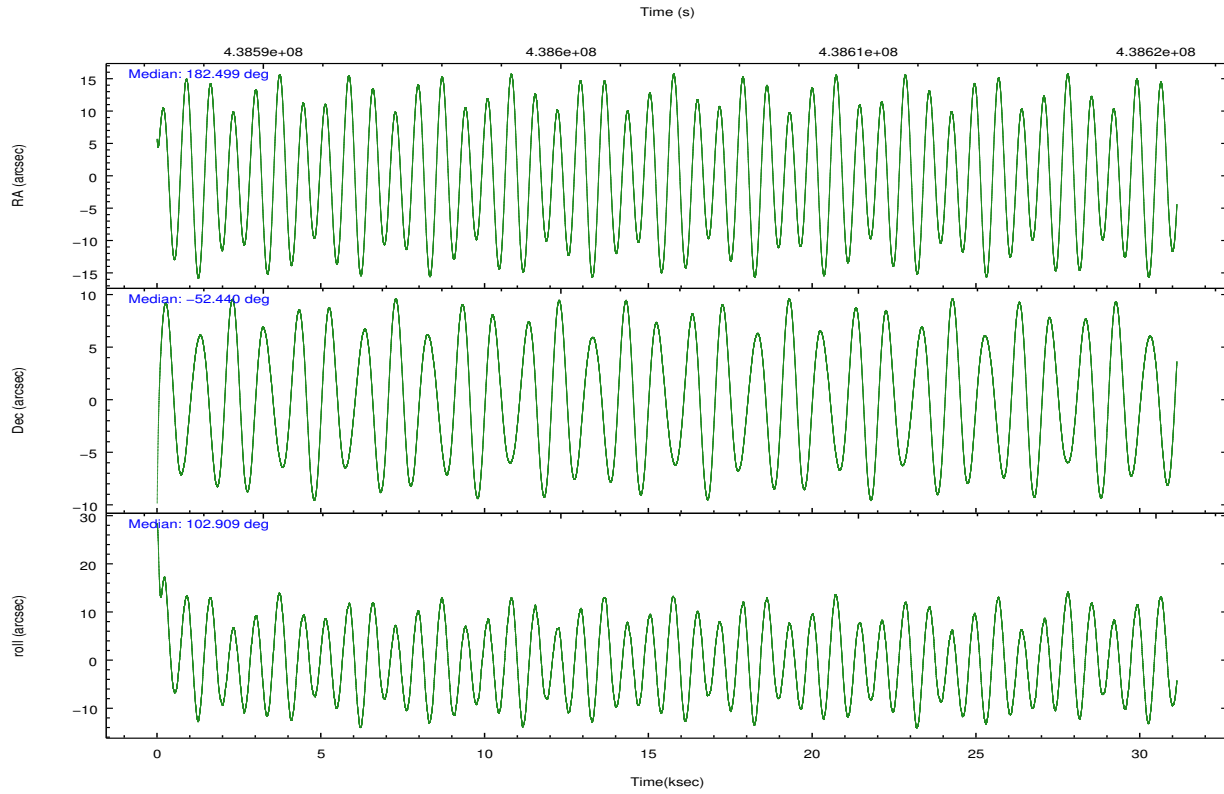
	ccd 7
grade 0 events	13792
	3%
grade 1 events	389
	0%
grade 2 events	35273
	9%
grade 3 events	8264
	2%
grade 4 events	8060
	2%
grade 5 events	25679
	6%
grade 6 events	66943
	17%
grade 7 events	222631
	58%

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	182.530071	182.4990786779015	Subarray requested	NONE	NONE
[deg] Pointing Dec	-52.459968	-52.4402085438372	Alternating exposures requested	N	N
[deg] Pointing Roll	102.779745	102.9118121919078	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	436492866.184000	436492866.184000			
[s] Window stop time (MET)	441763206.184000	441763206.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	438588135.184000	438586808.15322			
Observation start date	2011-11-25T06:01:09	2011-11-25T05:40:08			
[s] Observation end time (MET)	438619135.184000	438620129.36748			
Observation end date	2011-11-25T14:37:49	2011-11-25T14:55:29			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



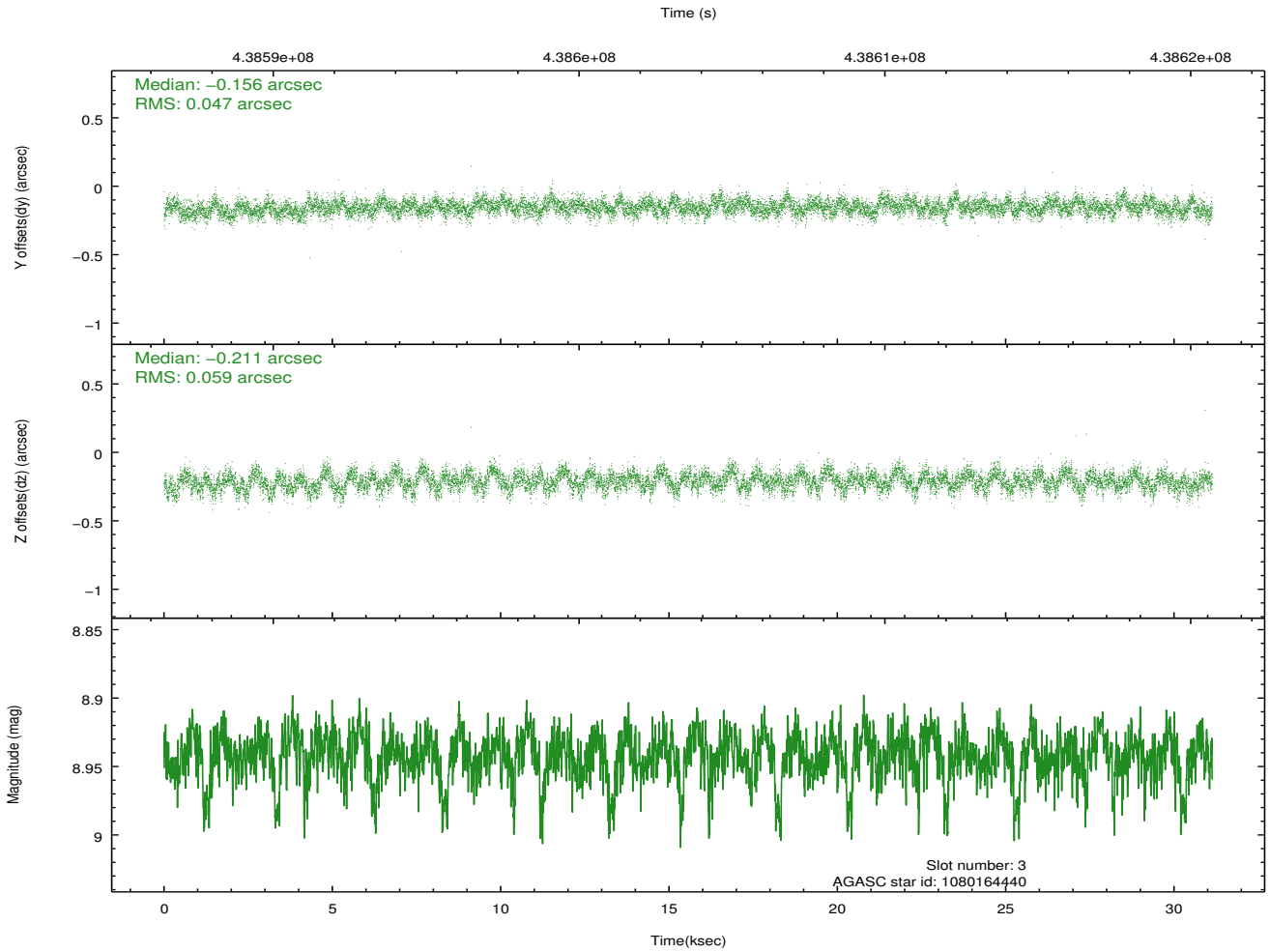
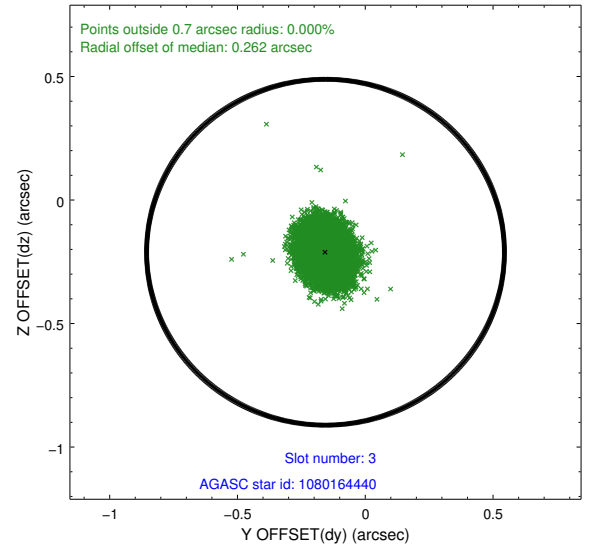
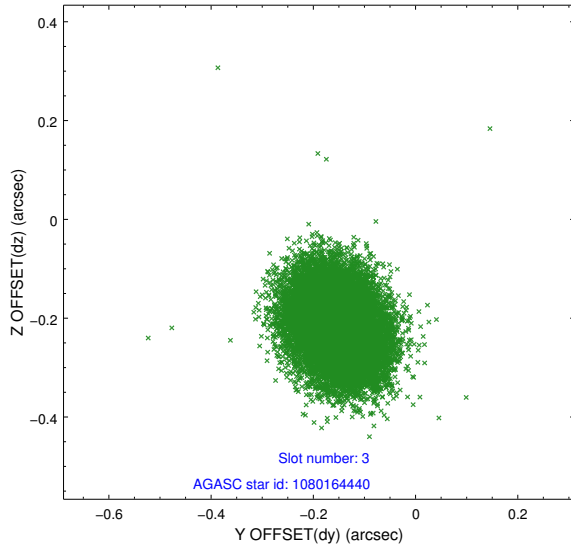


Slot Statistics

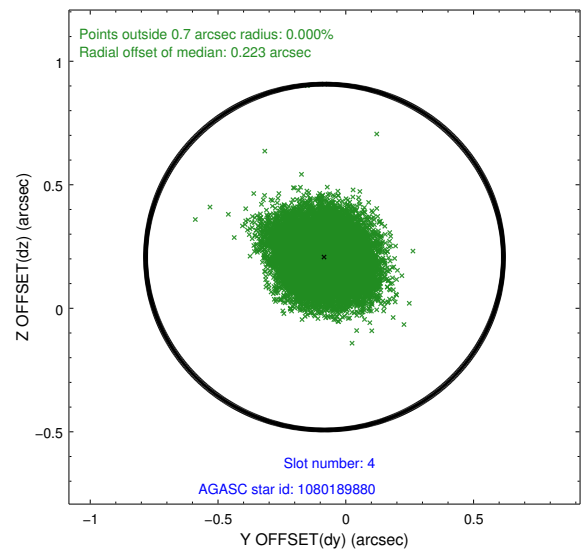
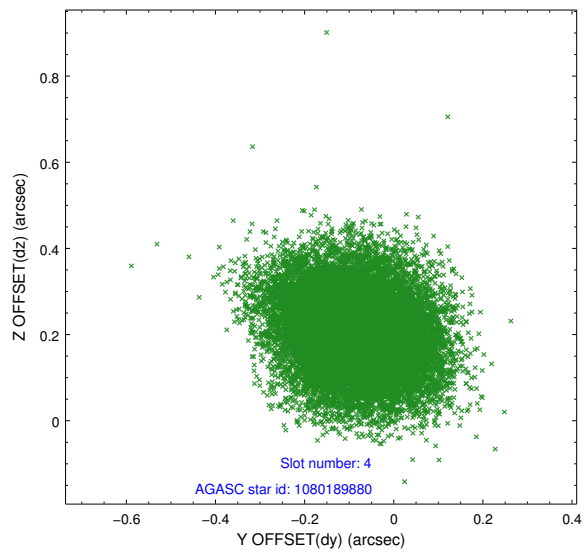
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	7593	-0.039	-0.025	0.008	0.015	0.000000	0.000000	-765.85	-1738.00
1	FID	ACIS-S-4	6.97	7592	0.208	0.026	0.007	0.014	0.000000	0.000000	2147.67	170.43
2	FID	ACIS-S-5	7.01	7593	-0.200	0.008	0.008	0.014	0.000000	0.000000	-1818.74	164.21
3	GUIDE	1080164440	8.94	15155	-0.156	-0.211	0.080	0.131	181.986340	-52.264623	946.63	1013.85
4	GUIDE	1080189880	9.61	15119	-0.083	0.207	0.143	0.221	182.794721	-51.898848	1839.36	-1019.31
5	GUIDE	1131423616	8.86	15178	0.134	-0.137	0.088	0.144	182.073492	-52.590429	-239.62	1078.45
6	GUIDE	1131554032	9.52	15046	-0.013	0.100	0.114	0.189	183.691785	-52.744006	-1576.66	-2237.98
7	GUIDE	1131414168	8.94	15176	0.115	0.044	0.078	0.124	183.224863	-52.915912	-1940.97	-1106.15

2.4 Star Slots

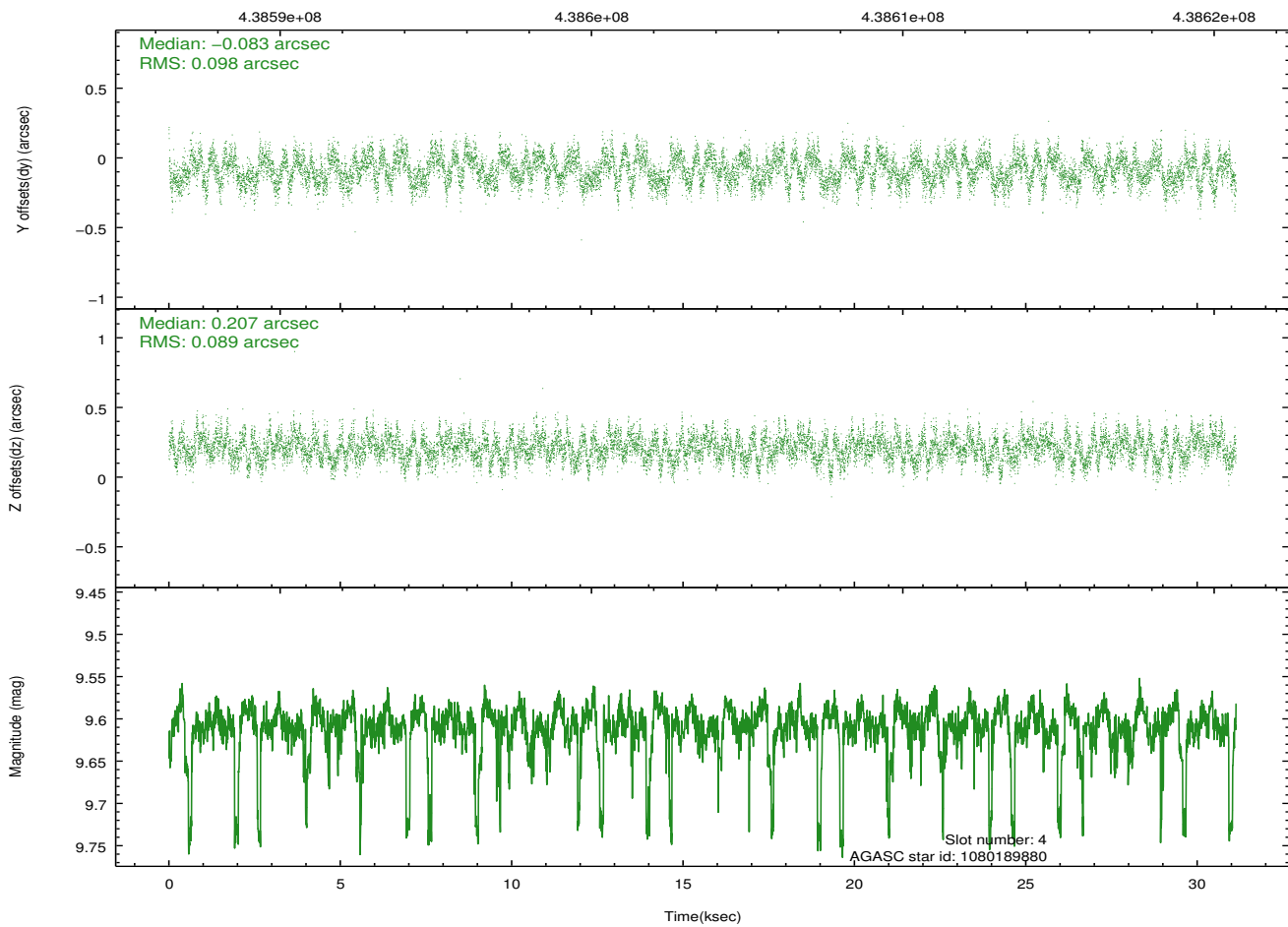
2.4.1 Slot 3



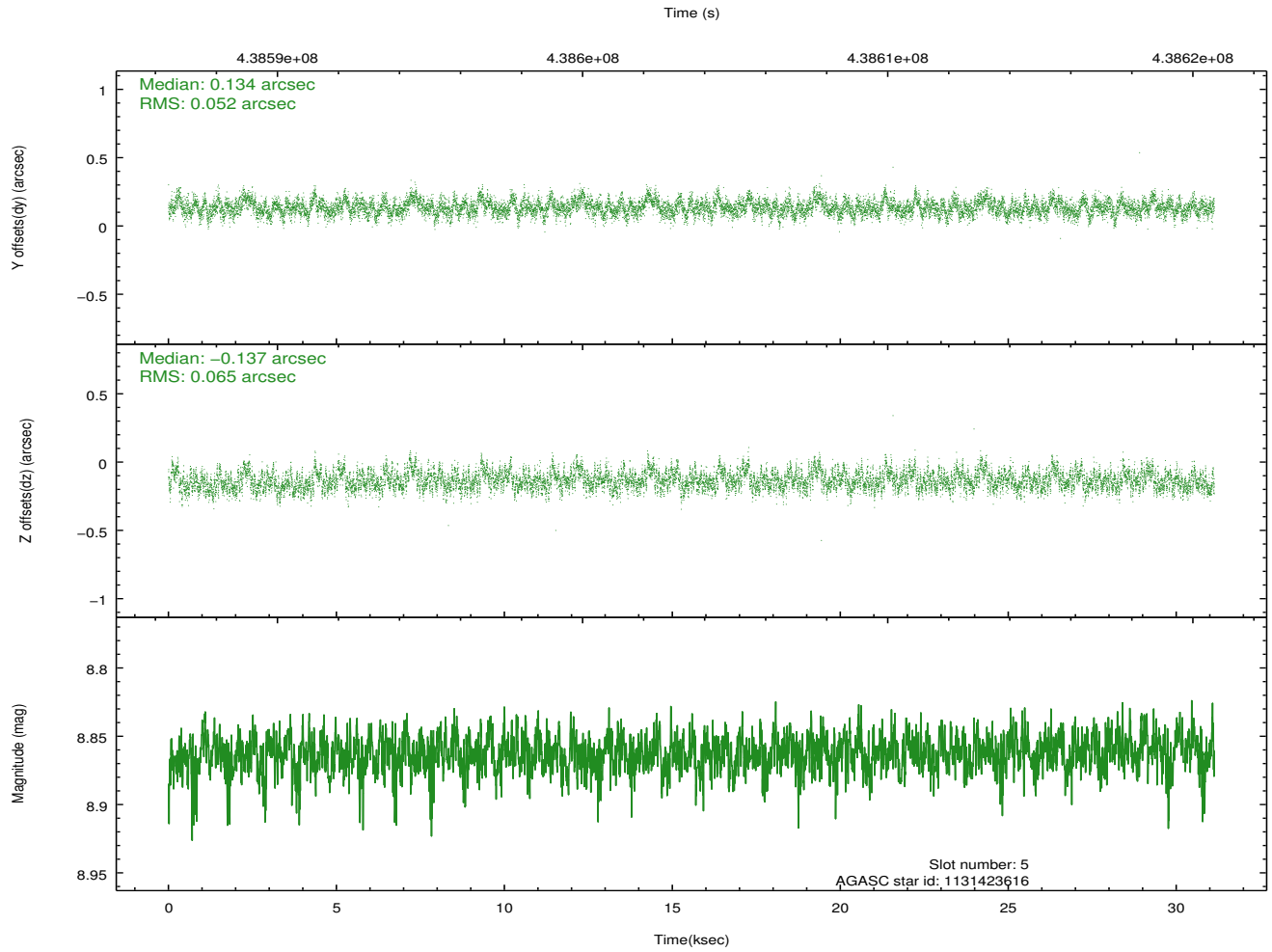
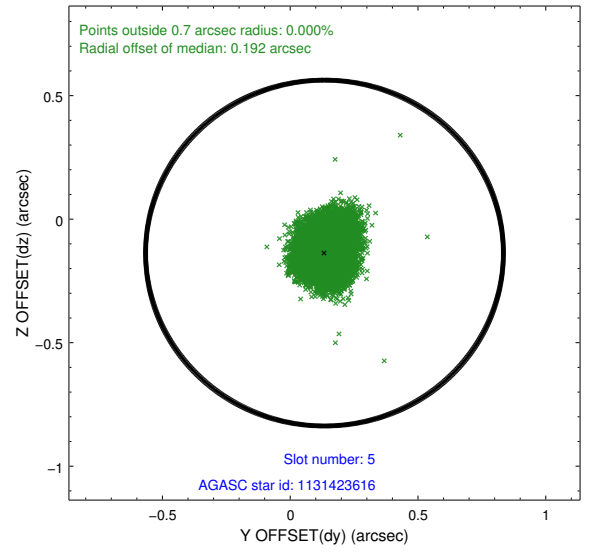
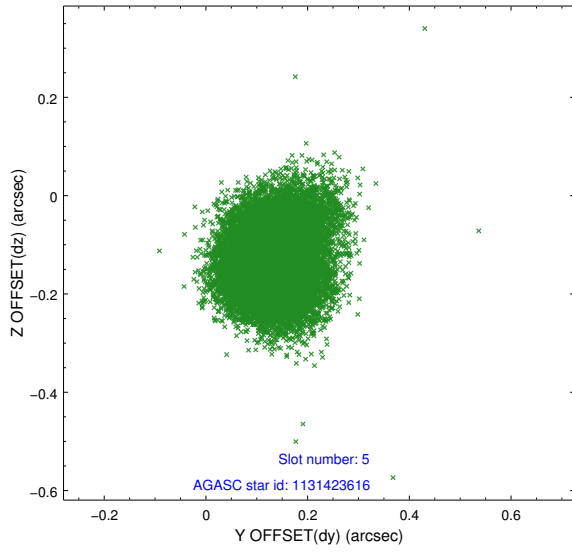
2.4.2 Slot 4



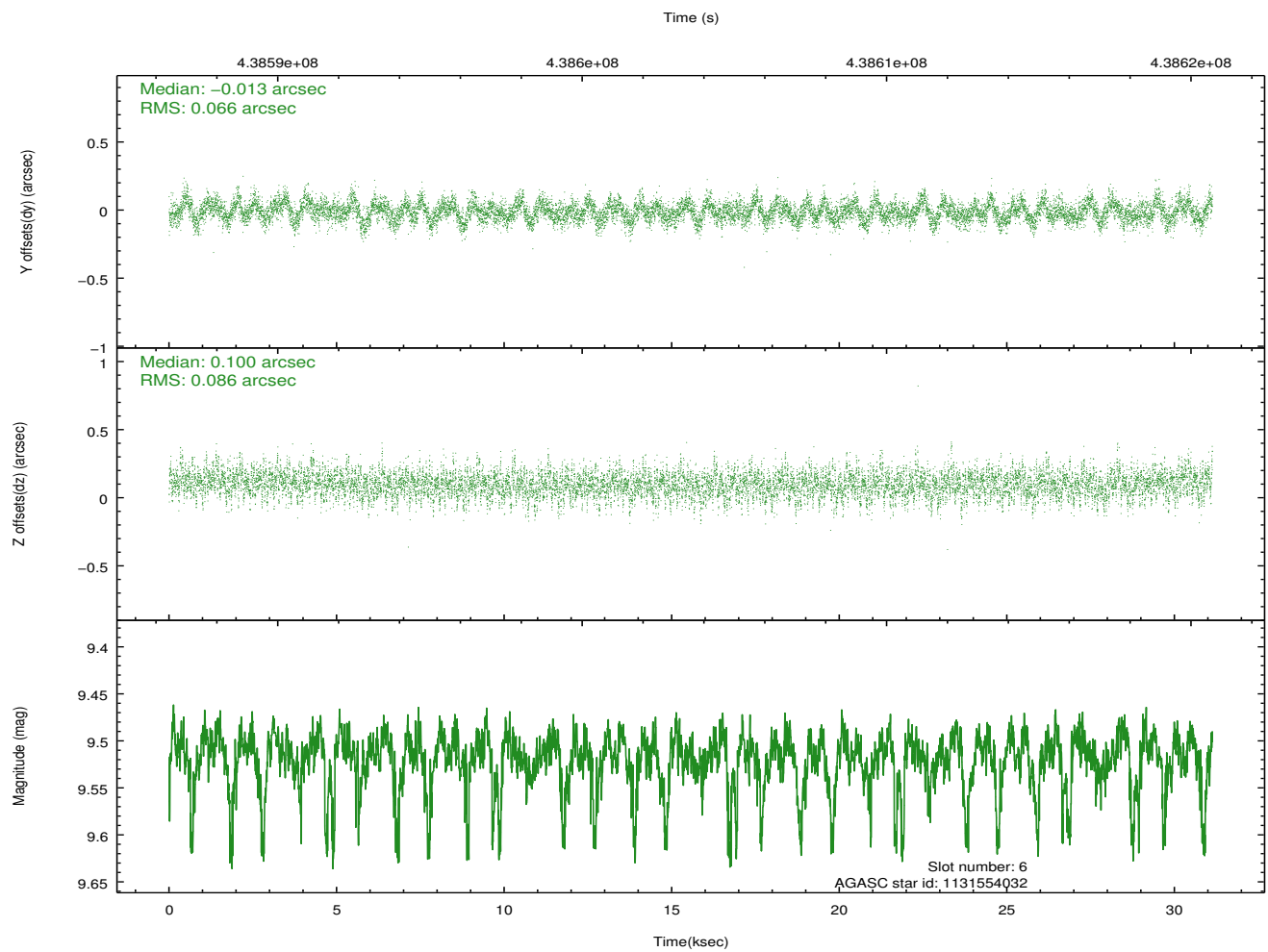
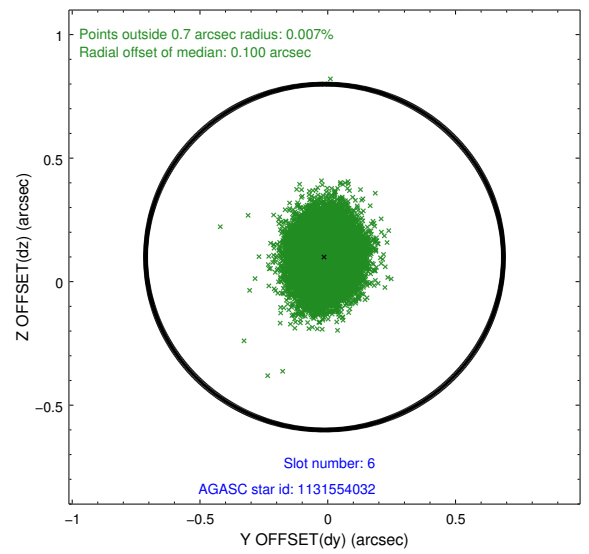
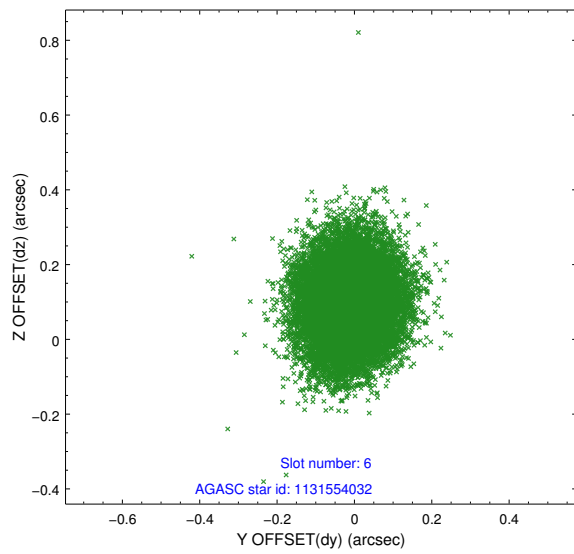
Time (s)



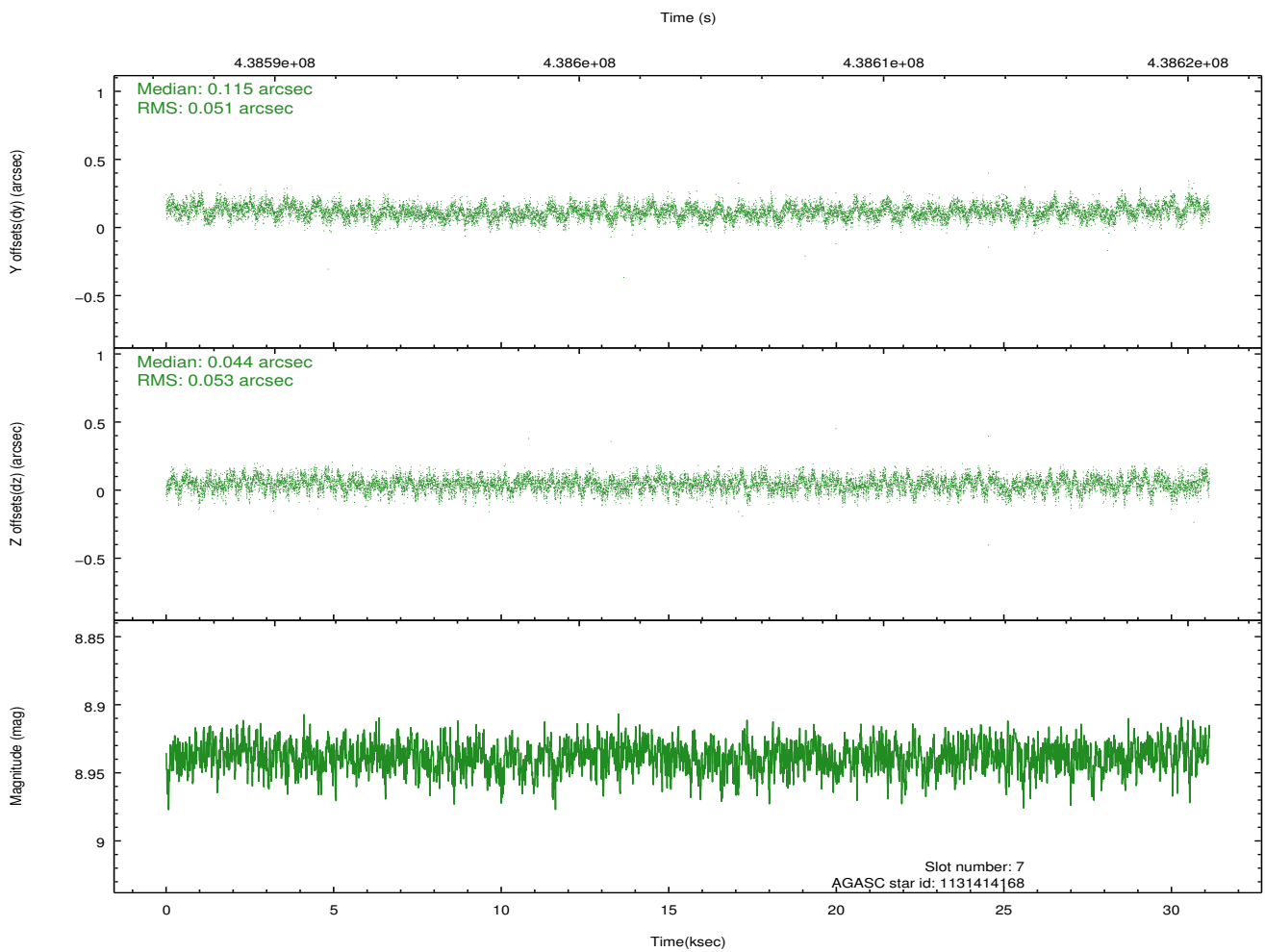
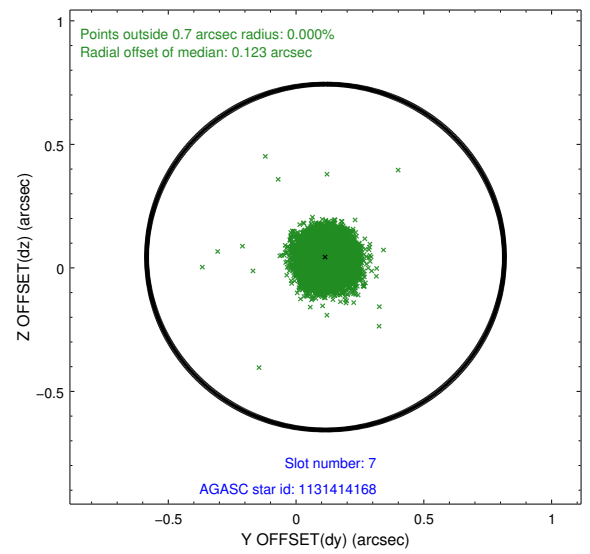
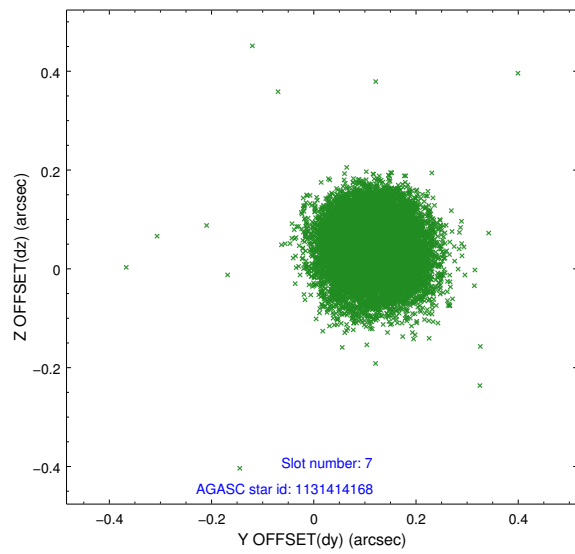
2.4.3 Slot 5



2.4.4 Slot 6

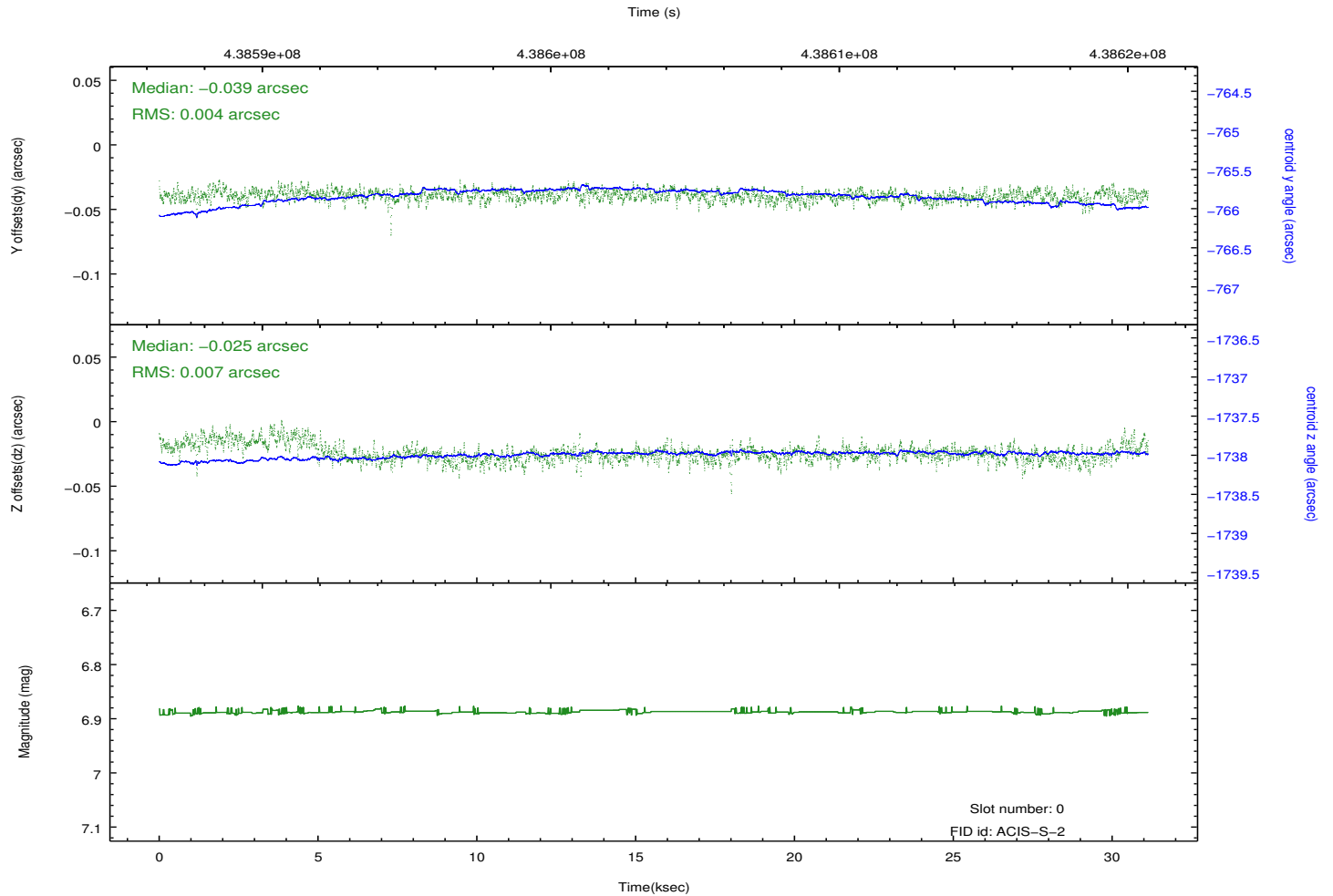
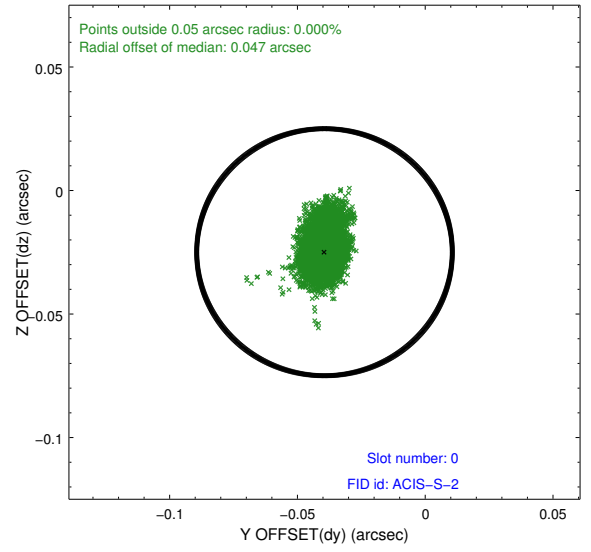
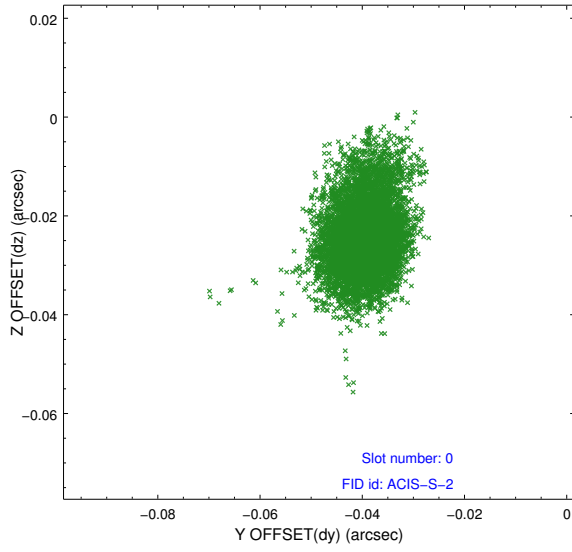


2.4.5 Slot 7

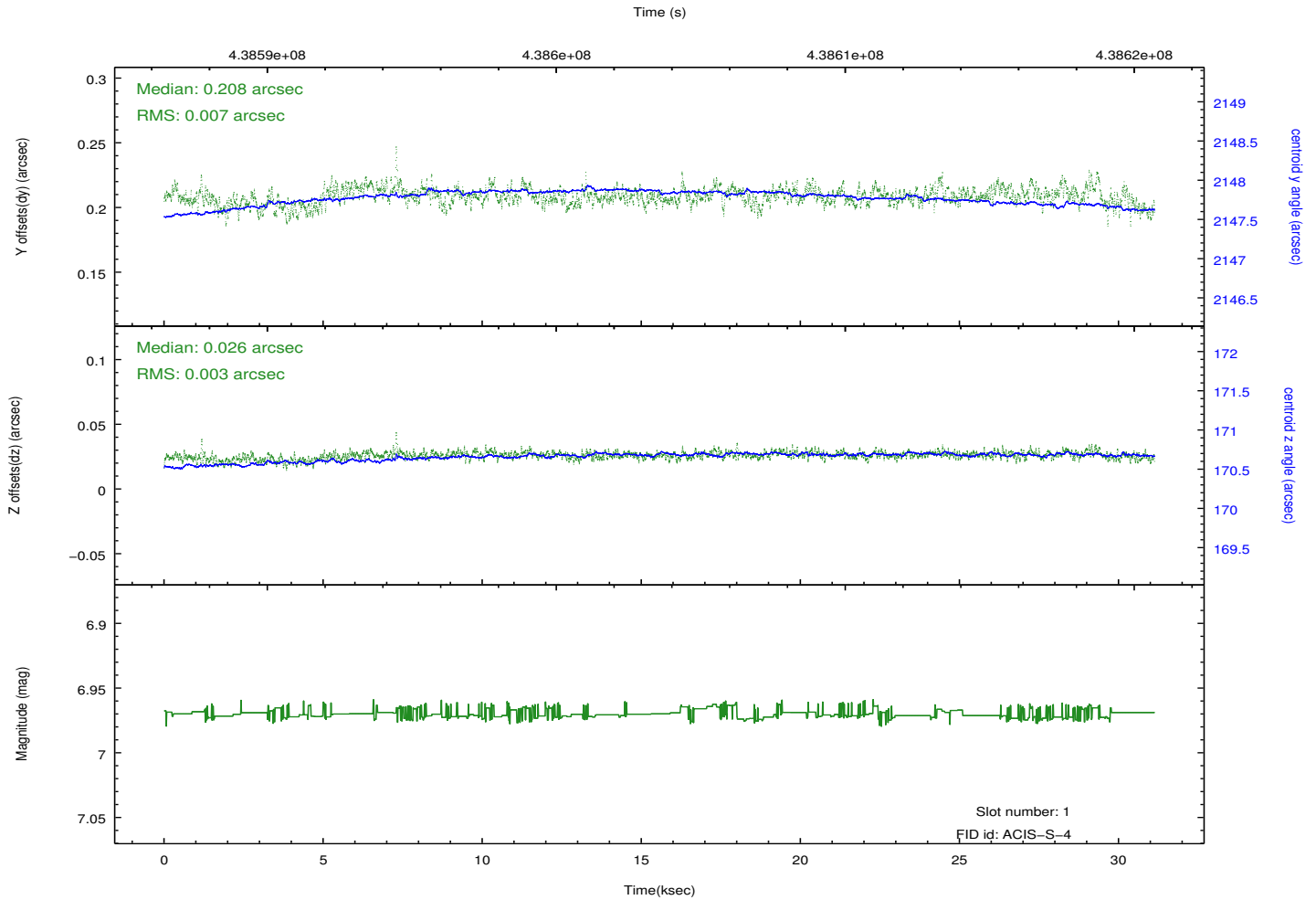
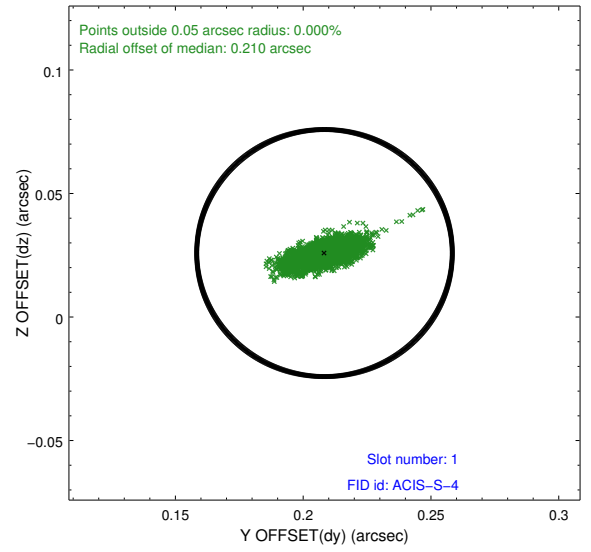
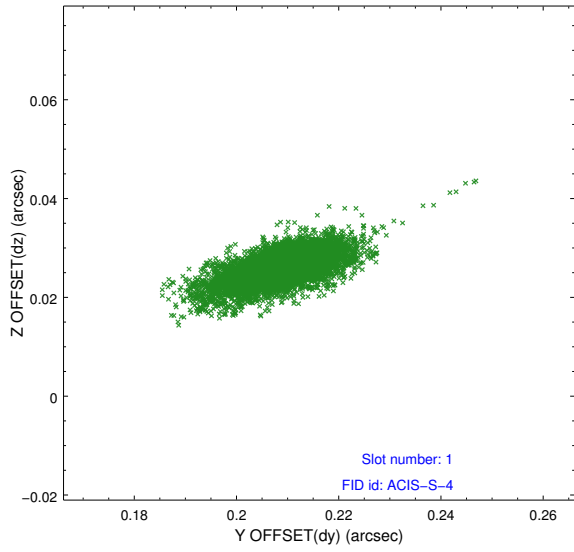


2.5 FID Slots

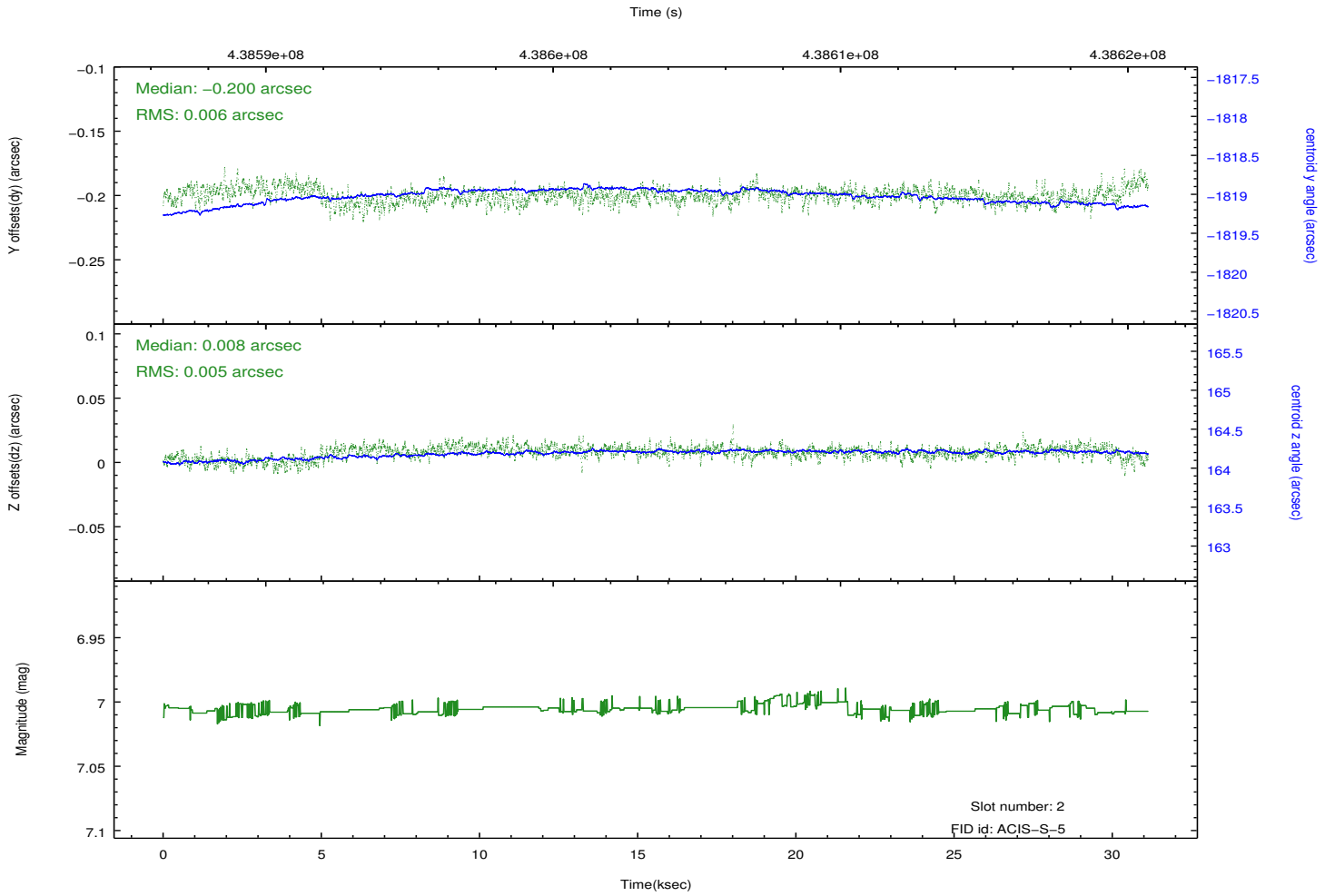
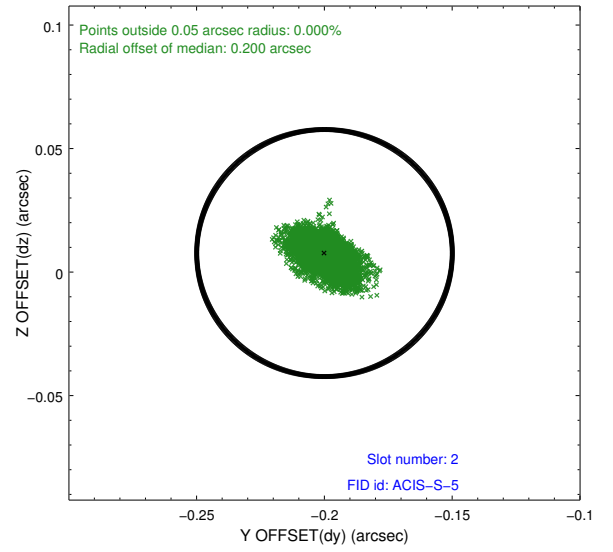
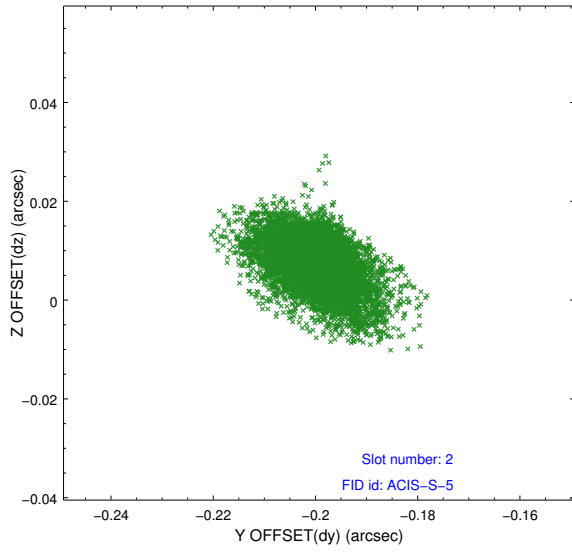
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.1255

A.2 Comments