

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16511 - L2 Version 1
Chandra X-Ray Center

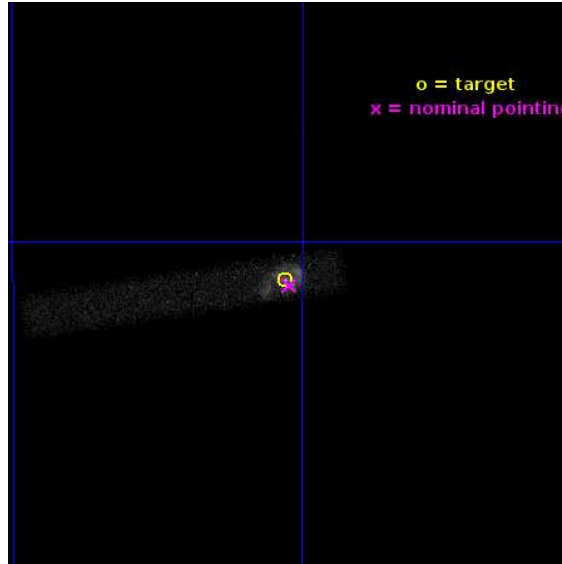
L2 Processing Date : Sep 16 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

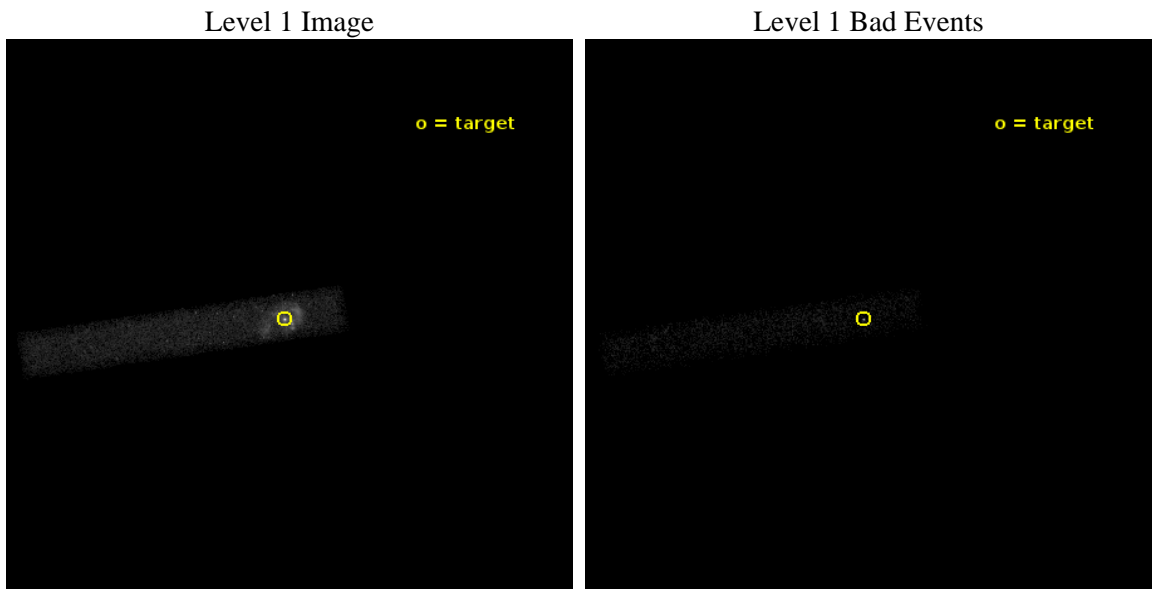
seq_num	200946	Sequence number
obs_id	16511	Observation id
title	Probing the wind/radiative interactions with the circumstellar material at Periastron Passage of Eta Carinae	Proposal title
observer	Dr Kenji Hamaguchi	Principal investigator
object	Eta Carinae	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.265	Observer's specified target RA [deg]
dec_targ	-59.6845	Observer's specified target Dec [deg]
ra_nom	161.26085085949	Nominal RA [deg]
dec_nom	-59.686785883939	Nominal Dec [deg]
roll_nom	171.15304288828	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30068.297266662	Sum of GTIs [s]
livetime	27270.358485999	Livetime [s]
ontime7	30068.297266662	Sum of GTIs [s]
l2events	45834	Number of level 2 events



2 OBI

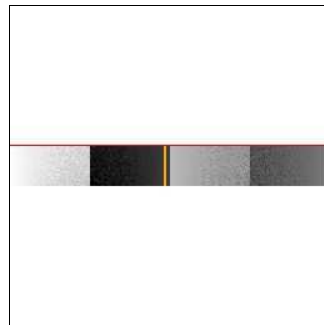
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	30068.297266662	Sum of GTIs [s]
caldsver	4.6.3	 	ontime7	30068.297266662	Sum of GTIs [s]
date	2014-09-16T08:25:29	Date and time of file creation	l1events	61262	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

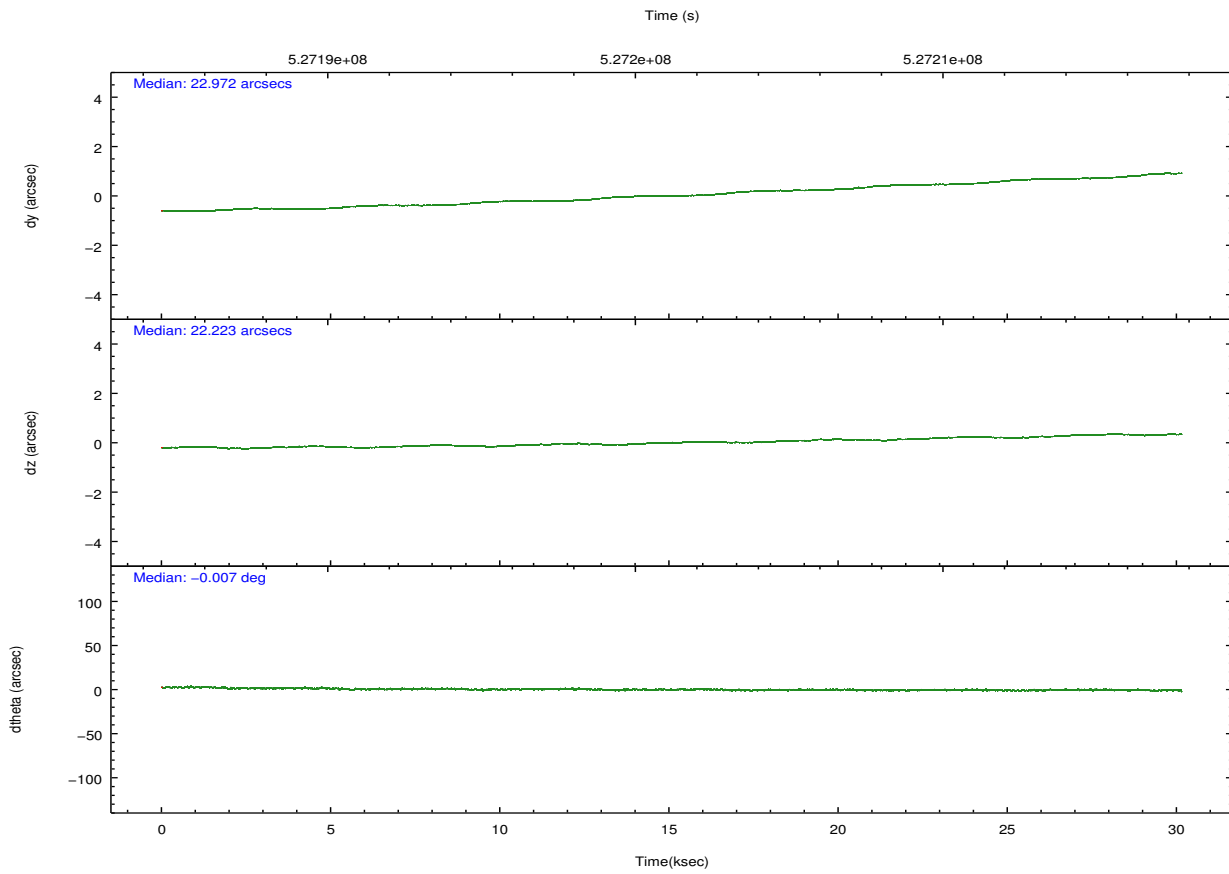
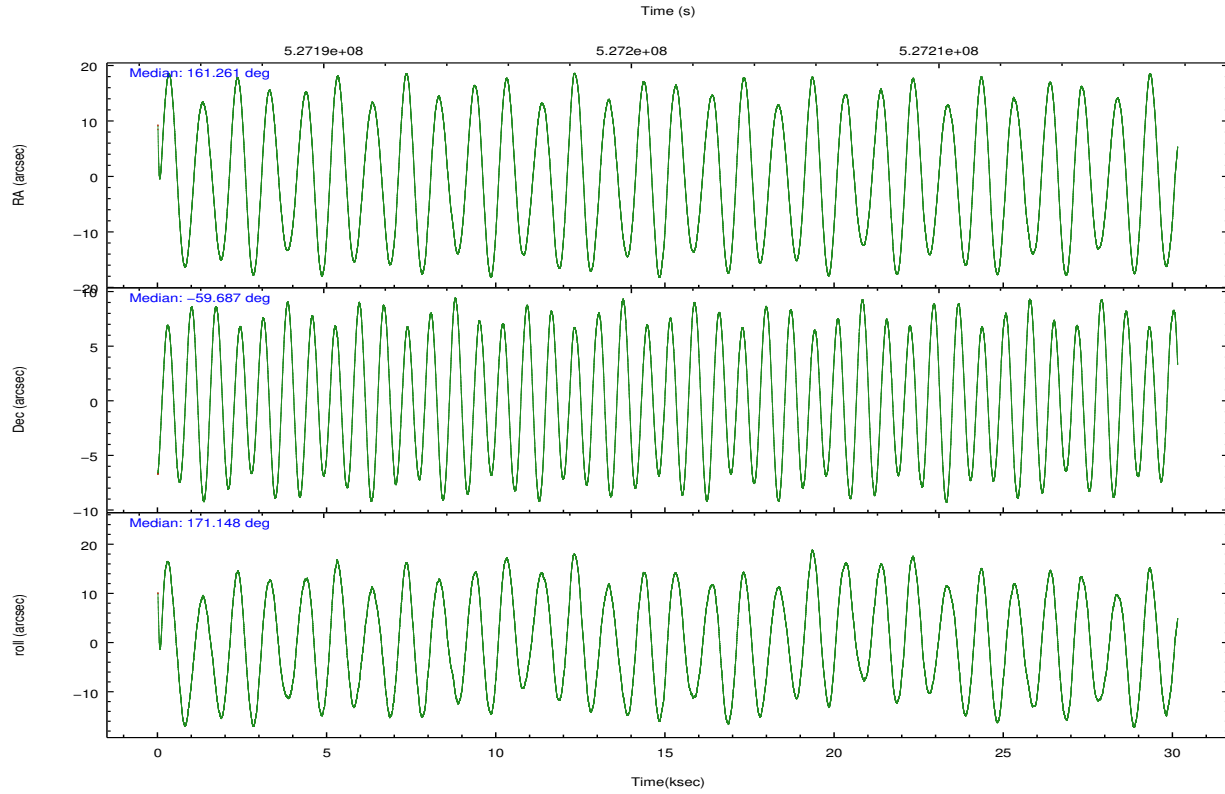
	ccd 7
level 1 events	61262
rejected events	14838
rejected %	24%

	ccd 7
grade 0 events	9469
	15%
grade 1 events	163
	0%
grade 2 events	11113
	18%
grade 3 events	5439
	8%
grade 4 events	5145
	8%
grade 5 events	3339
	5%
grade 6 events	15261
	24%
grade 7 events	11333
	18%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	161.311273	161.2608508594855	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-59.676550	-59.68678588393905	Subarray start row	449	449
[deg] Pointing Roll	171.039944	171.153042888278	Subarray row count	128	128
[s] Window start time (MET)	526521667.184000	526521667.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	527212867.184000	527212867.184000	[s] Primary exposure time	0.000000	0.4
[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)	527186269.184000	527184637.49852			
Observation start date	2014-09-15T16:36:42	2014-09-15T16:10:37			
[s] Observation end time (MET)	527216269.184000	527217712.20036			
Observation end date	2014-09-16T00:56:42	2014-09-16T01:21:52			
Read mode	TIMED	TIMED			

2.3 Aspect

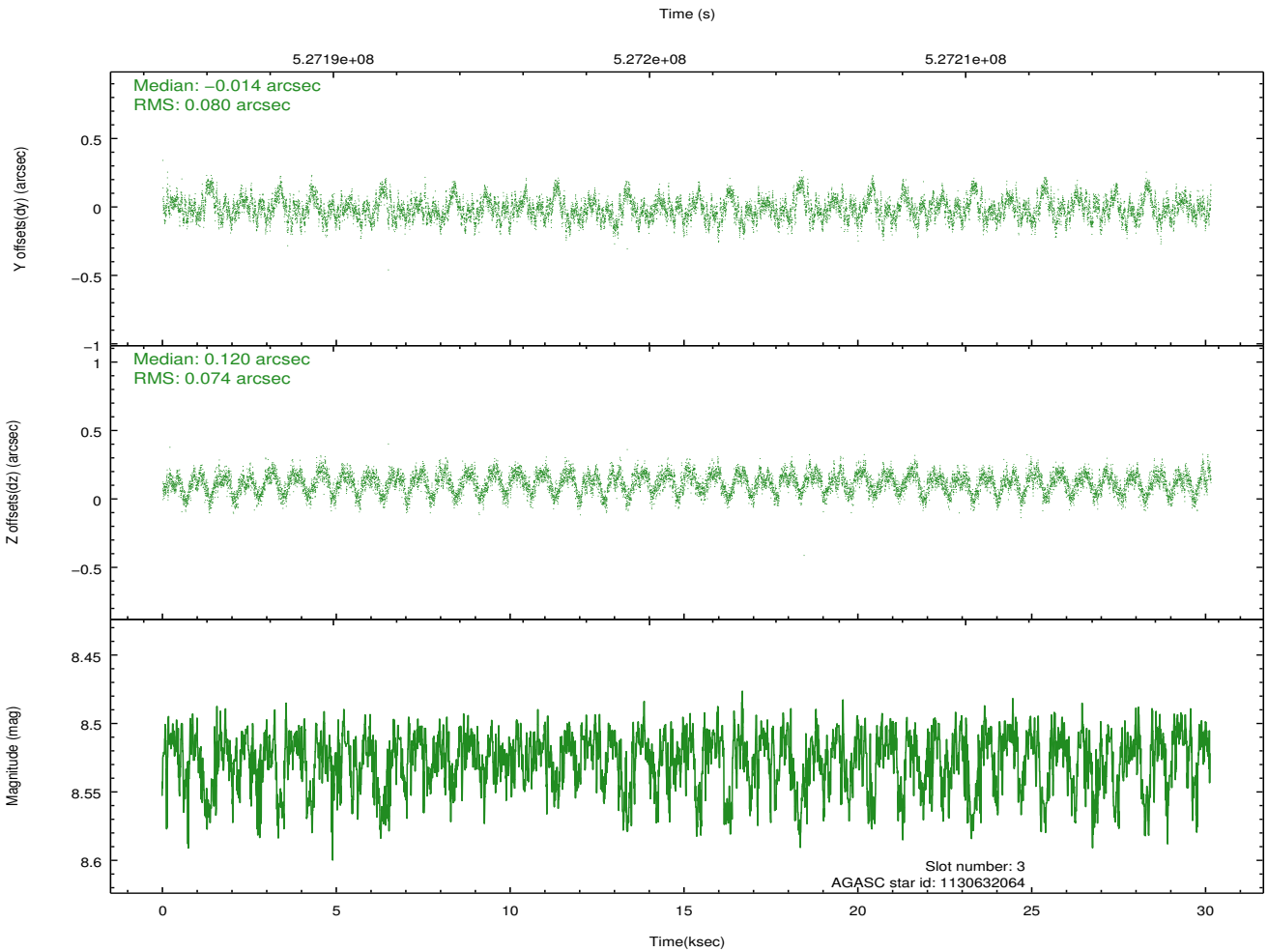
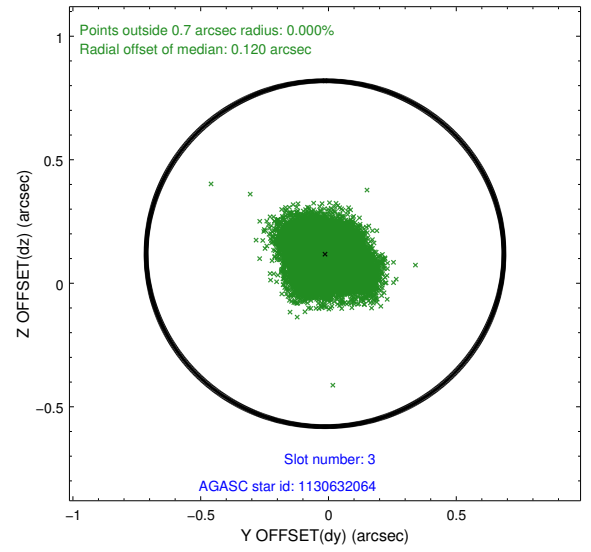
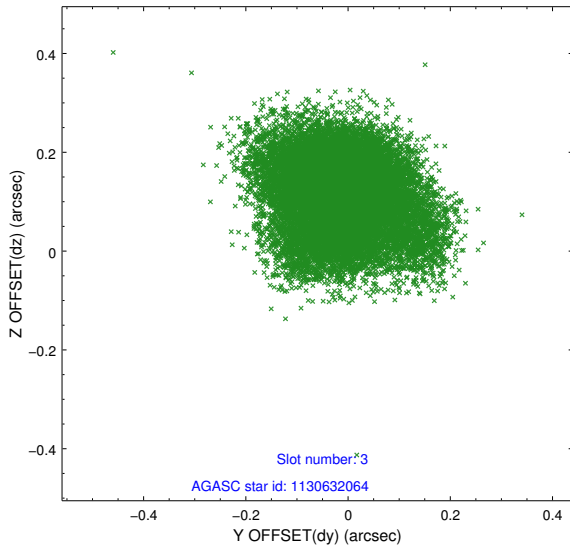


Slot Statistics

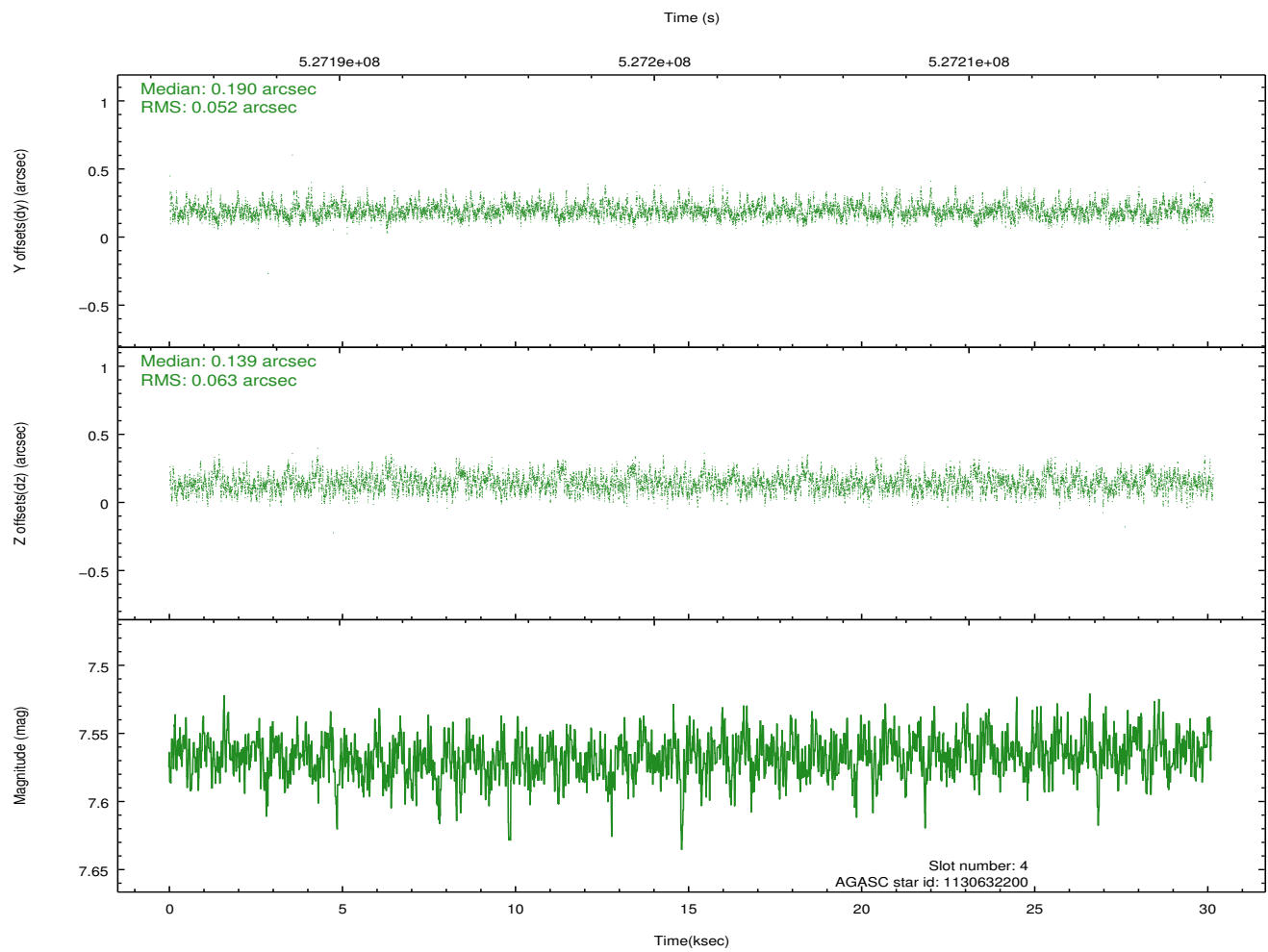
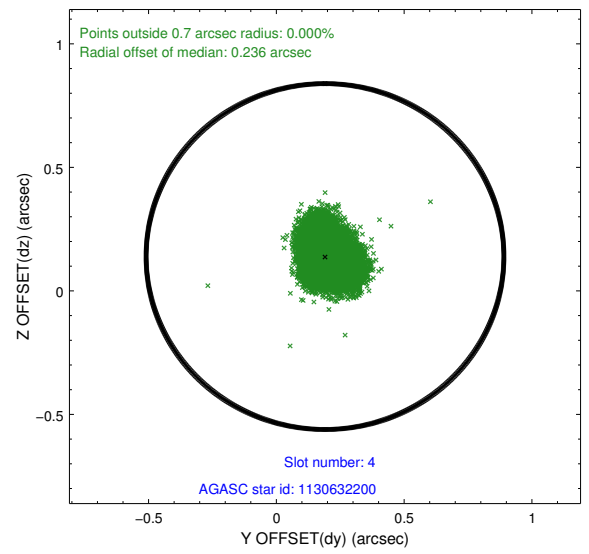
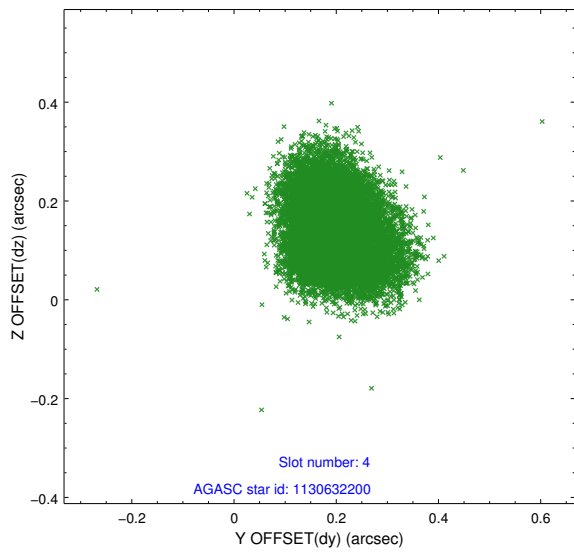
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.02	7352	0.168	-0.049	0.009	0.014	0.000000	0.000000	920.02	-1739.48
1	FID	ACIS-S-2	6.94	7352	-0.107	-0.002	0.015	0.022	0.000000	0.000000	-776.12	-1744.09
2	FID	ACIS-S-5	7.05	7352	-0.084	0.058	0.010	0.016	0.000000	0.000000	-1829.45	158.06
3	GUIDE	1130632064	8.52	14697	-0.014	0.120	0.116	0.188	160.452382	-59.130948	1871.82	-1682.51
4	GUIDE	1130632200	7.57	14701	0.190	0.139	0.087	0.144	161.433843	-59.407820	-70.50	-990.10
5	GUIDE	1130643264	6.67	14704	-0.071	-0.297	0.084	0.131	160.322990	-59.676912	1772.16	294.31
6	GUIDE	1174020728	8.15	14699	-0.143	0.013	0.079	0.132	162.364714	-60.294672	-2205.17	1920.36
7	GUIDE	1174033752	8.44	14699	0.036	0.032	0.087	0.141	162.418977	-60.164599	-2235.88	1443.24

2.4 Star Slots

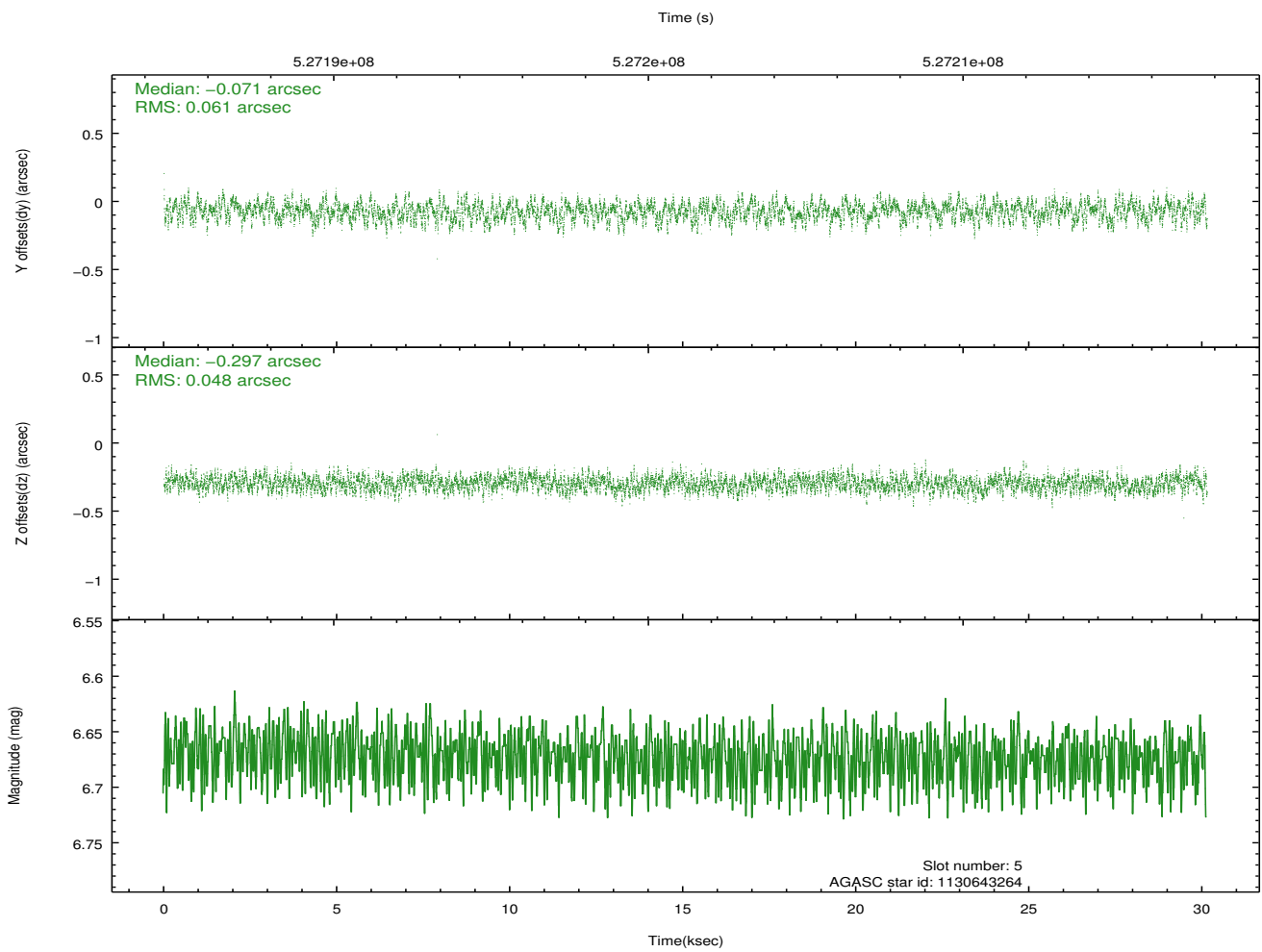
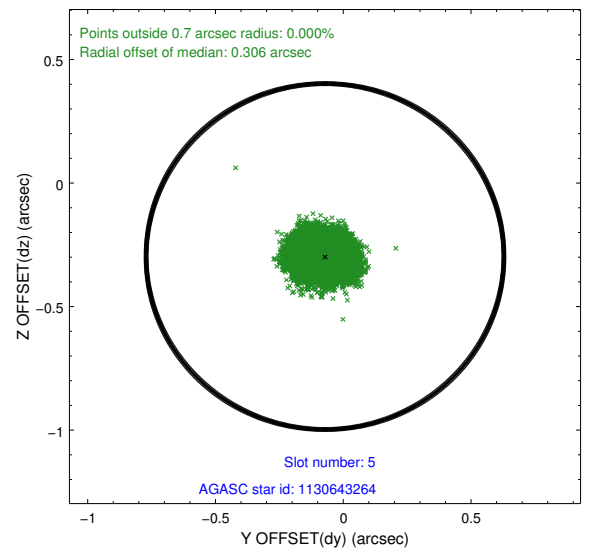
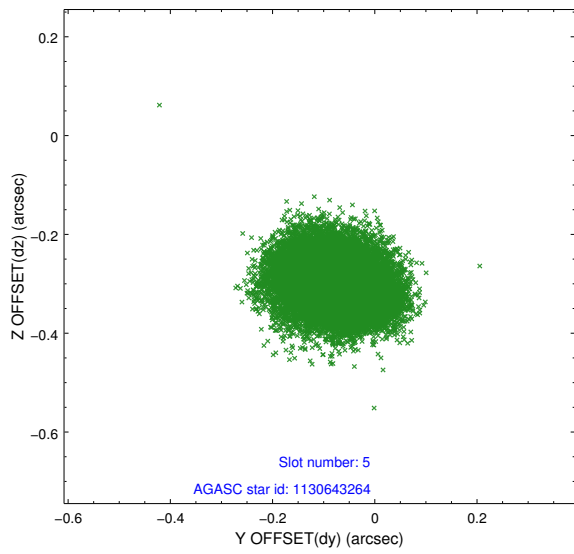
2.4.1 Slot 3



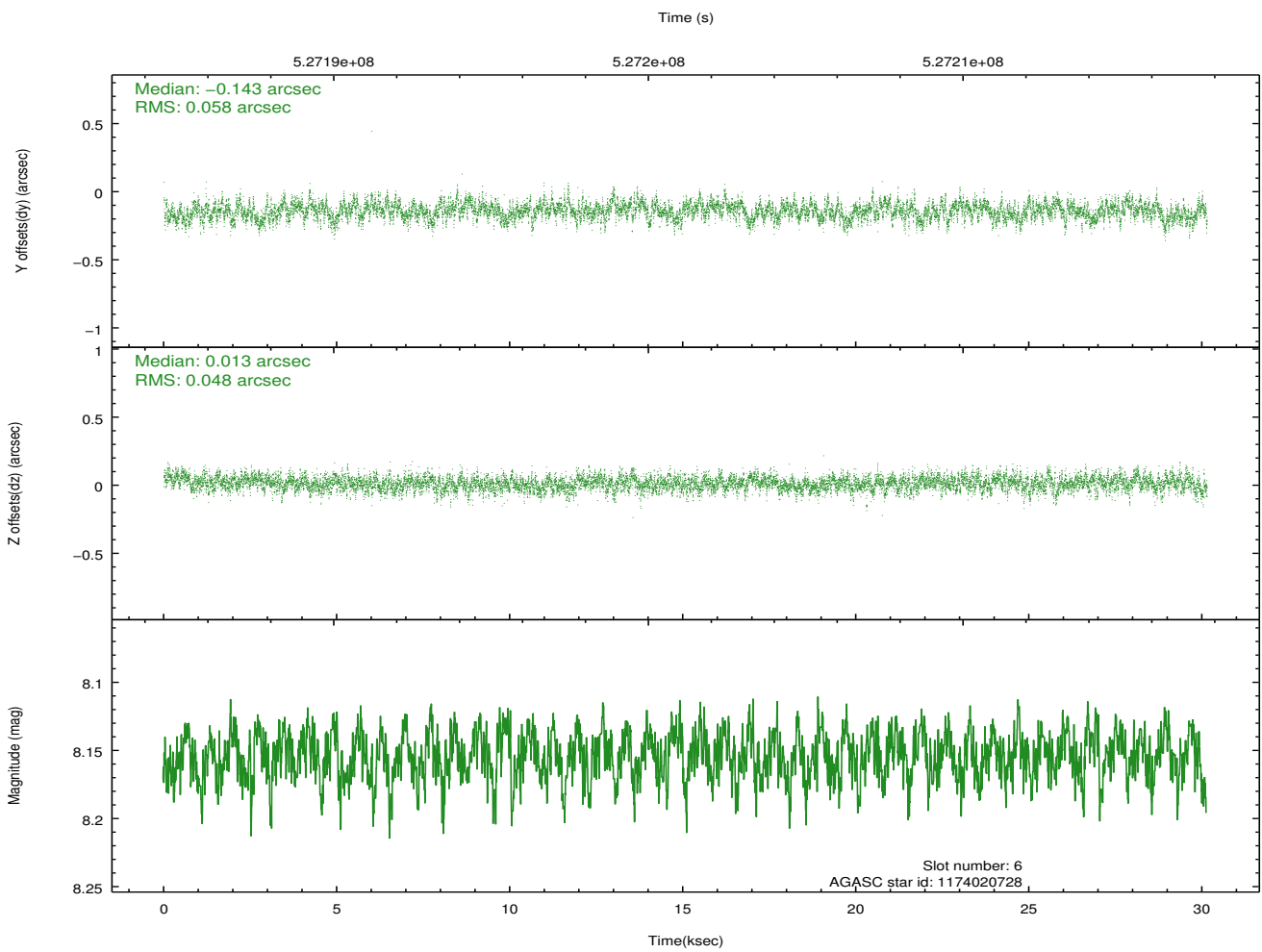
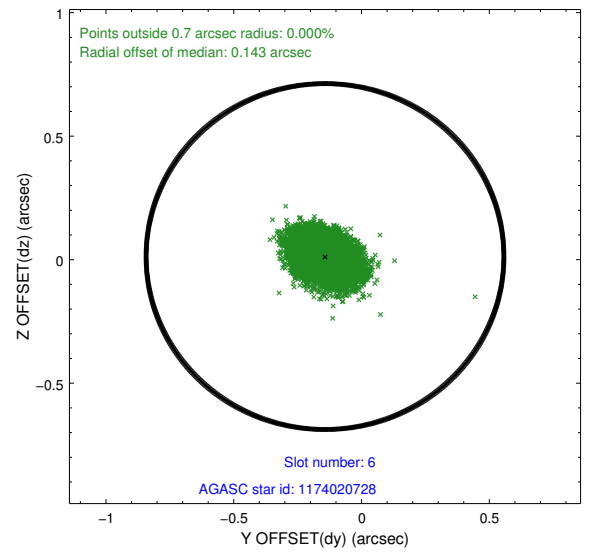
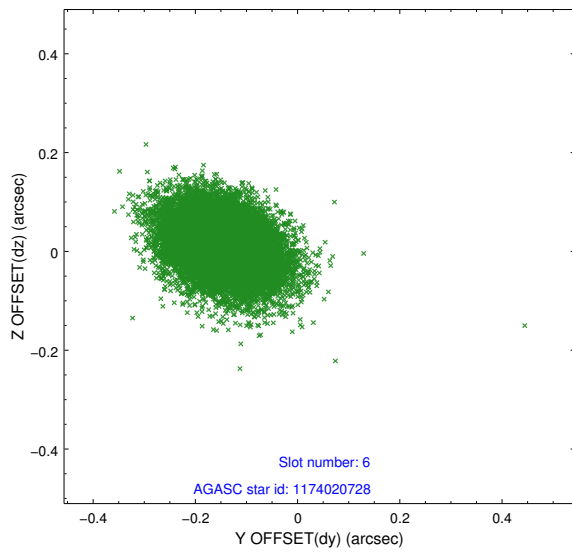
2.4.2 Slot 4



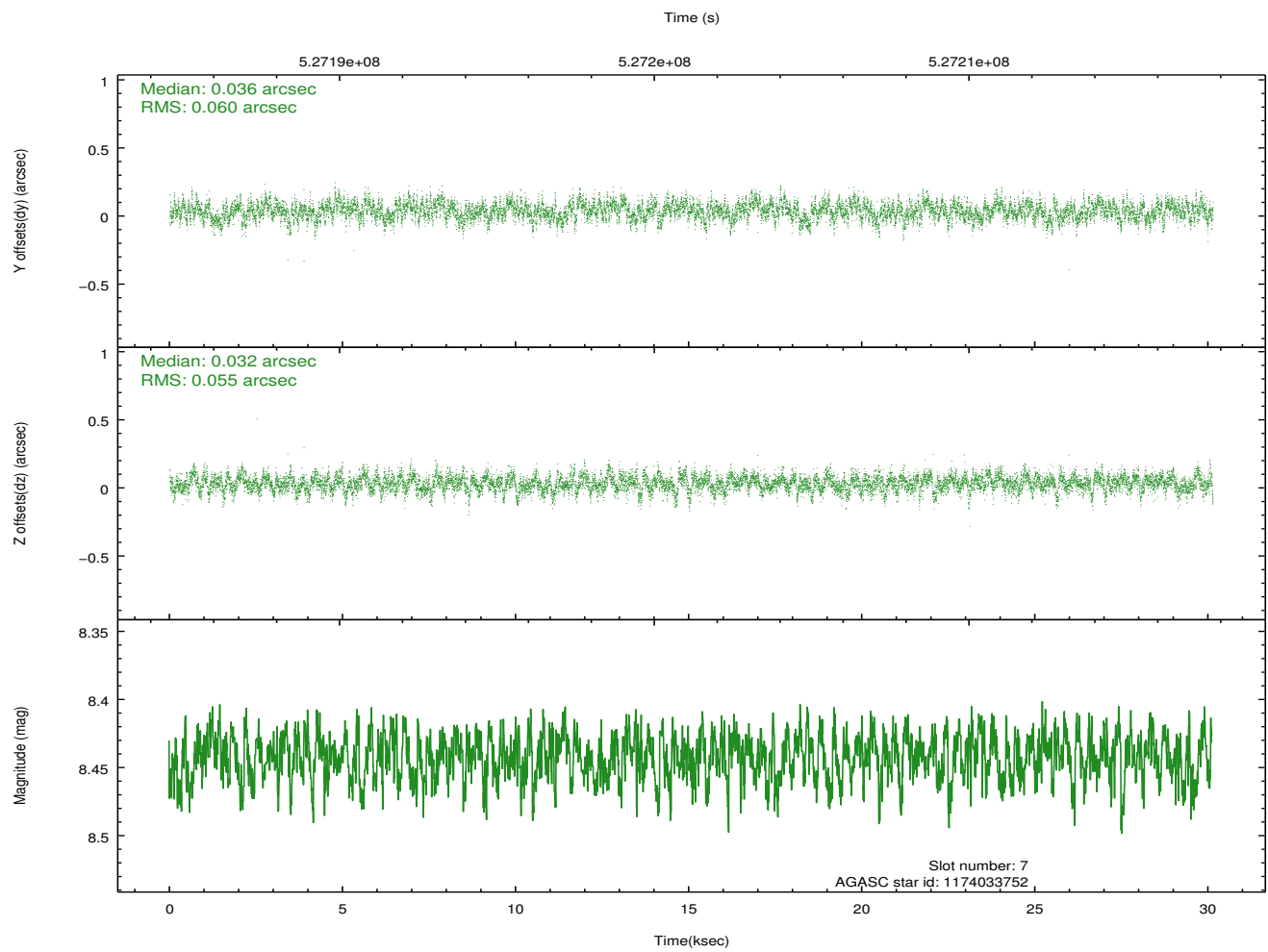
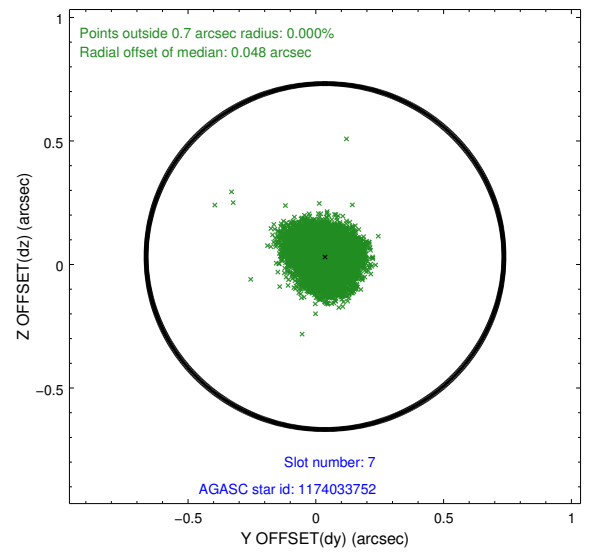
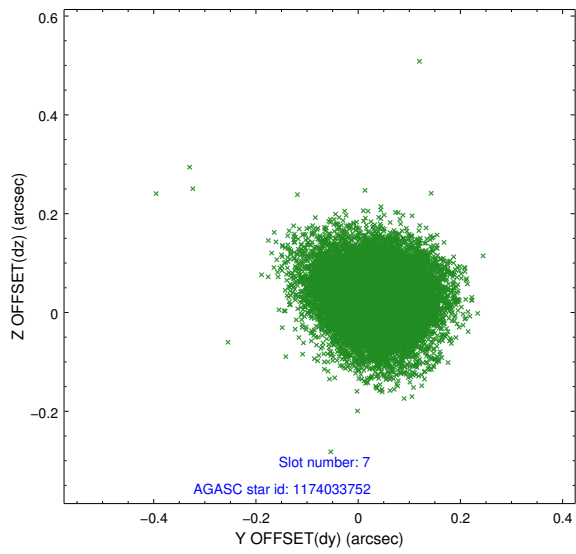
2.4.3 Slot 5



2.4.4 Slot 6

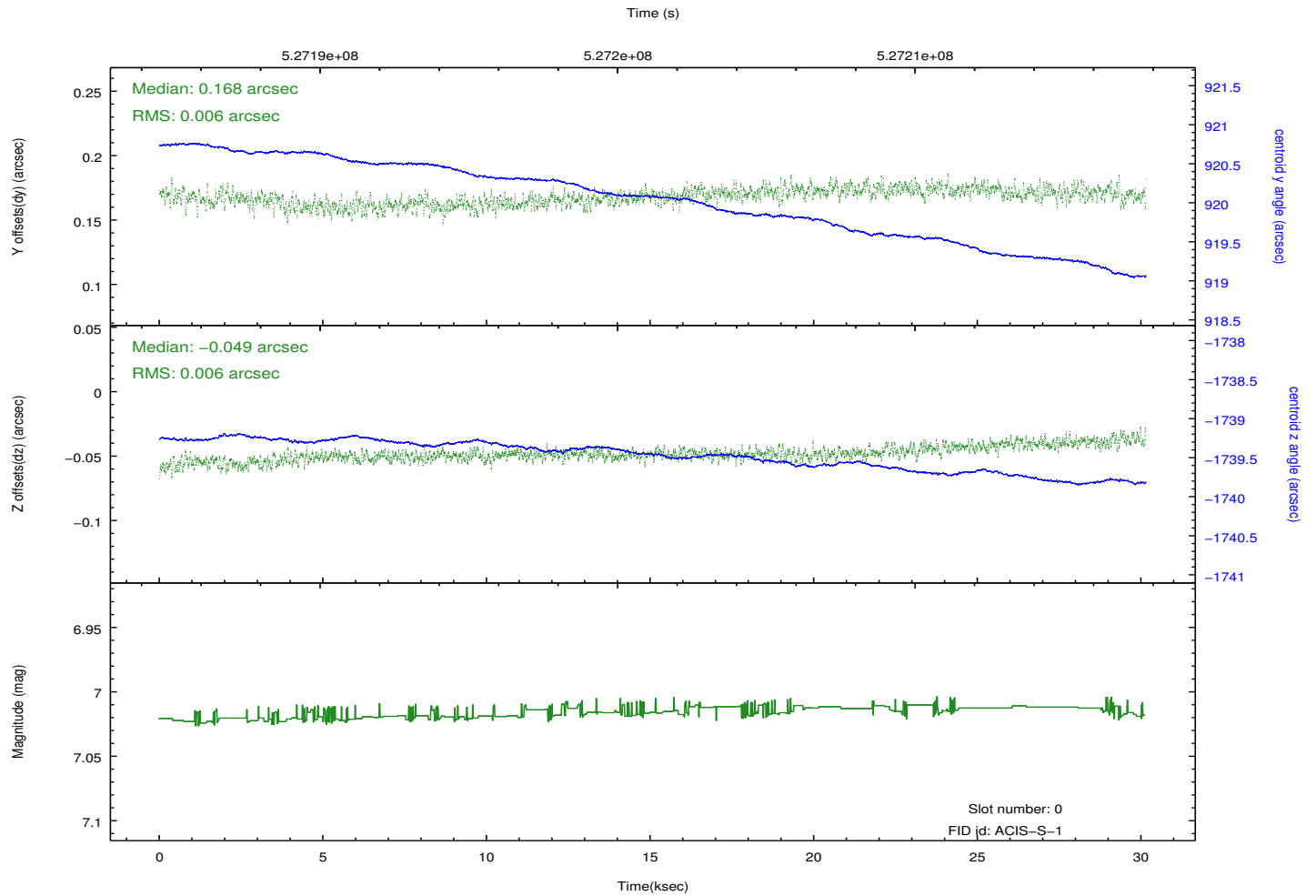
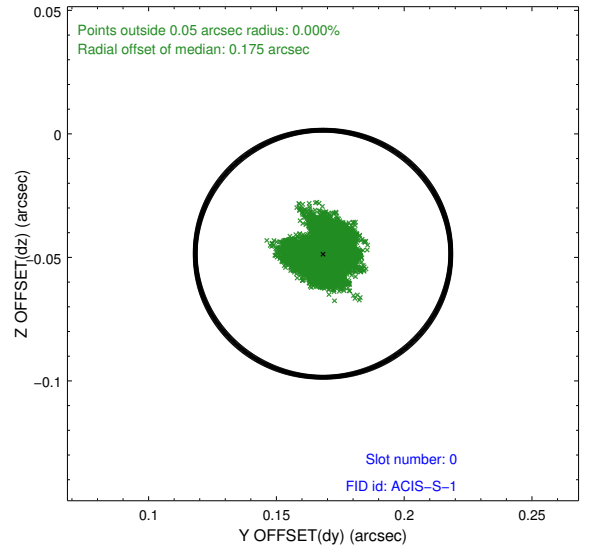
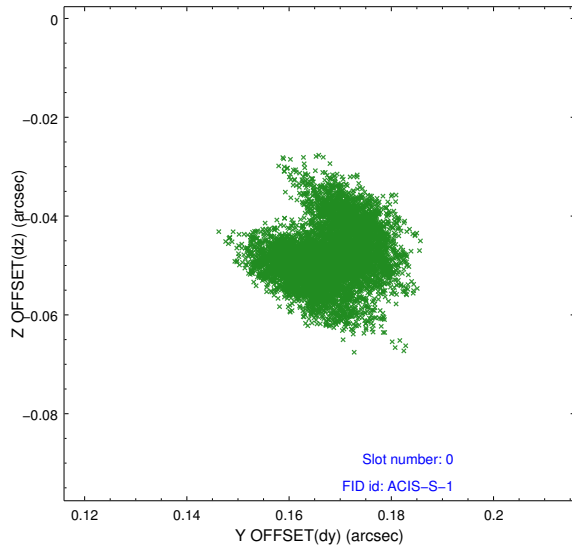


2.4.5 Slot 7

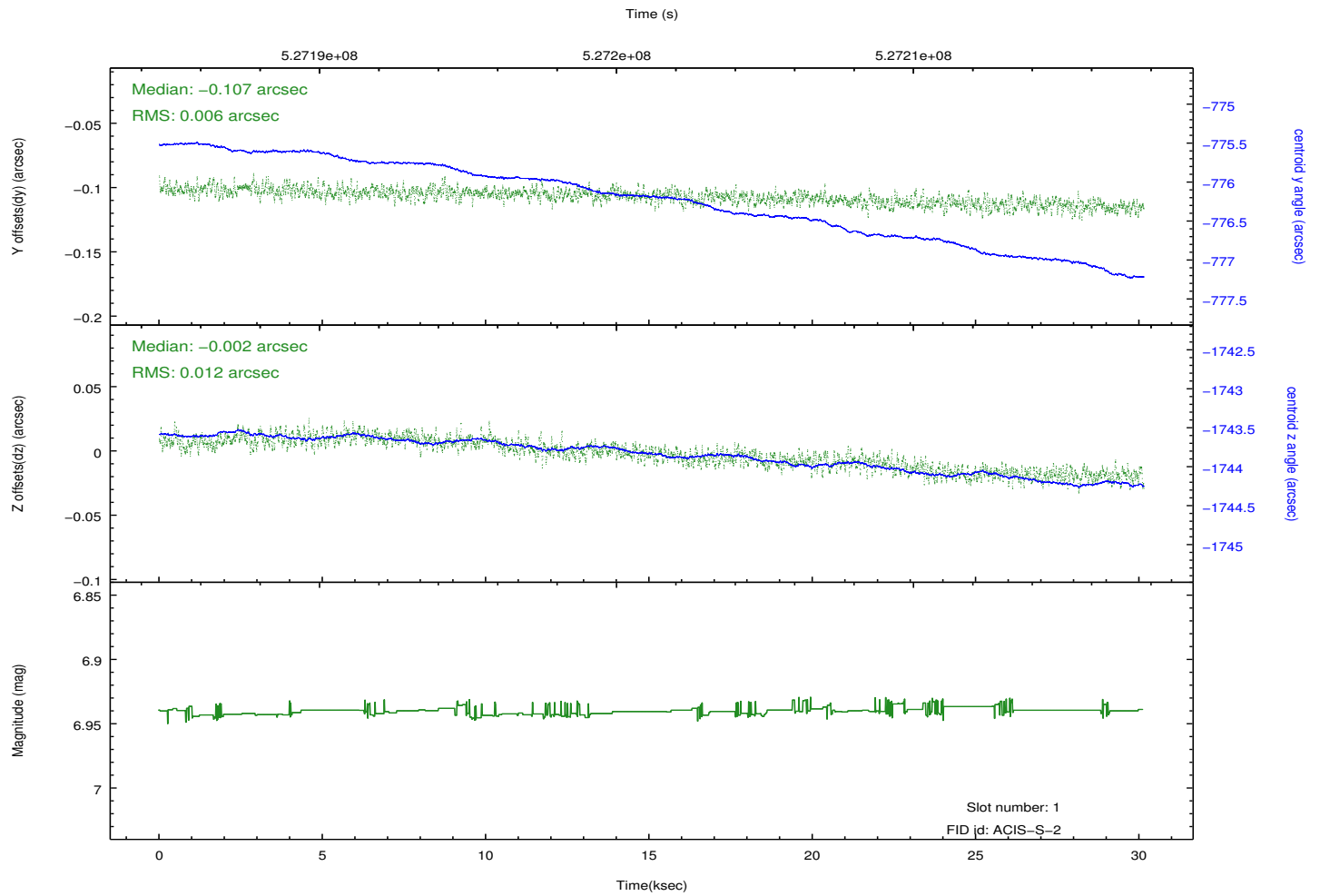
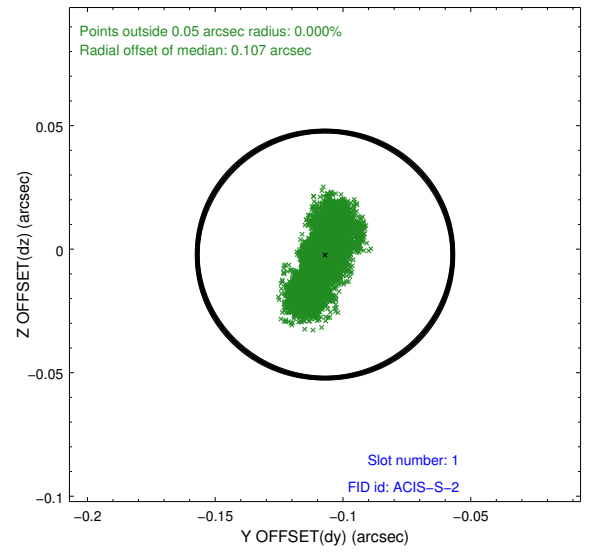
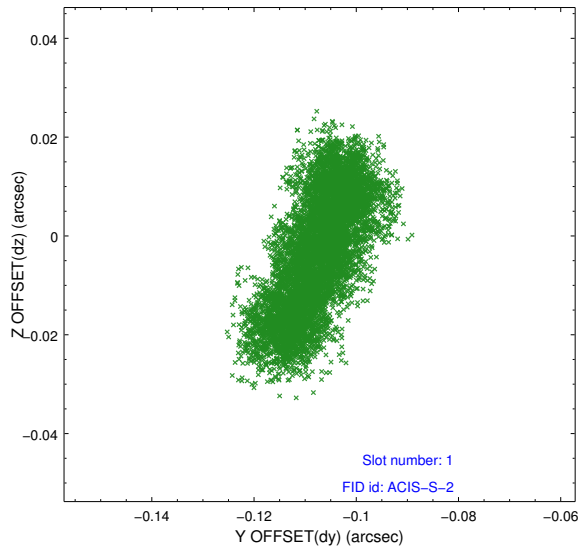


2.5 FID Slots

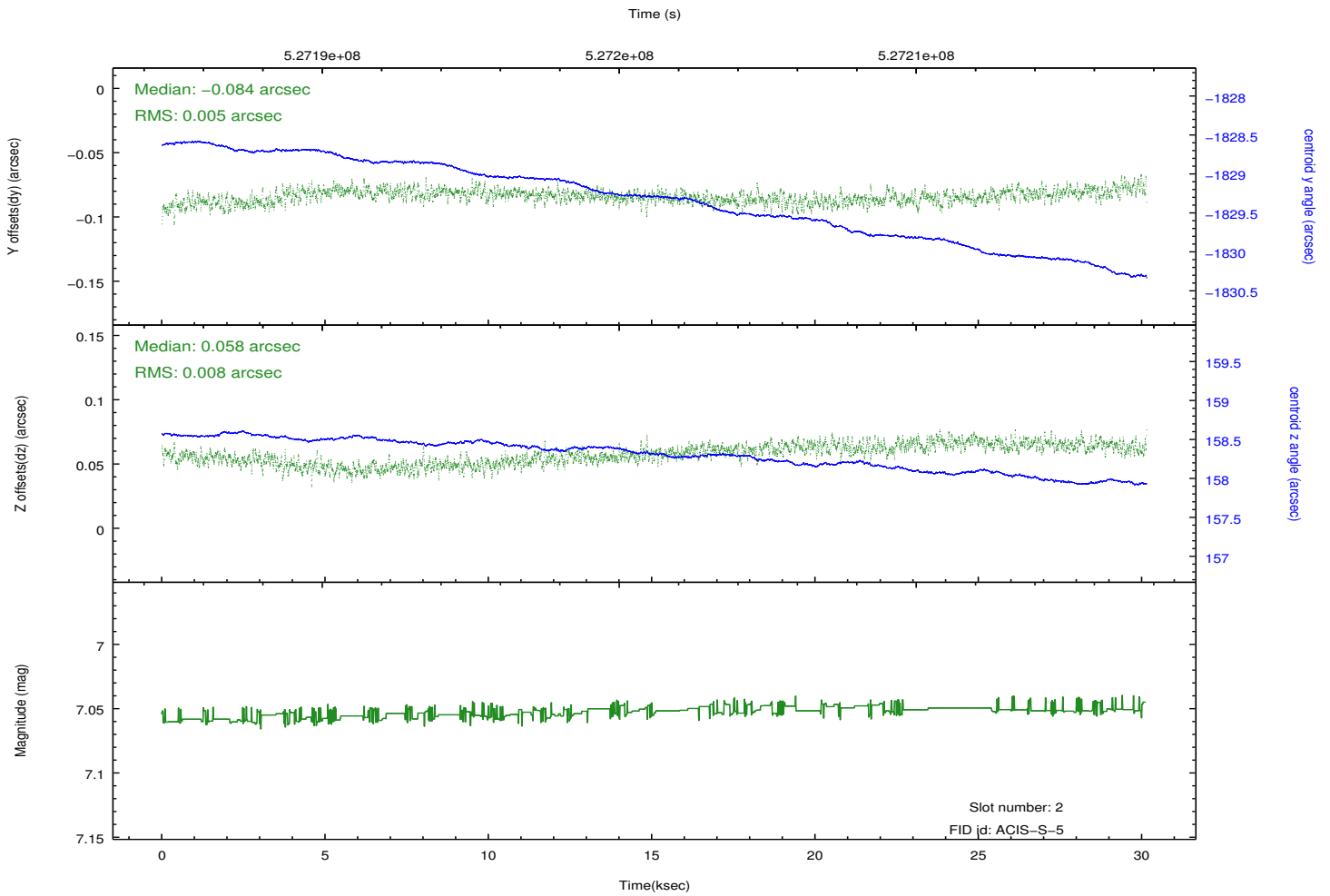
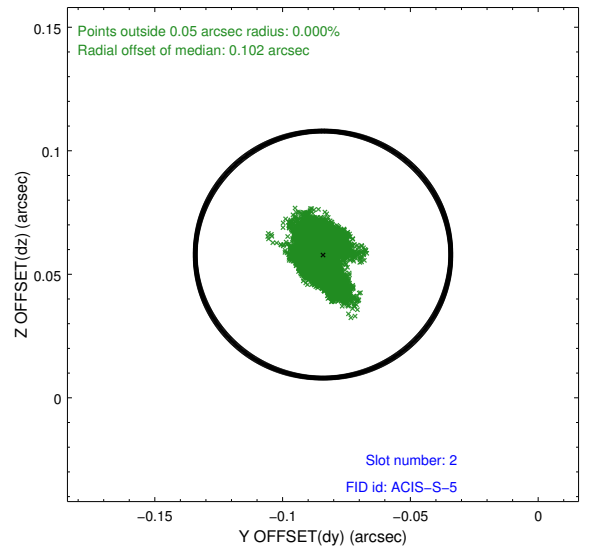
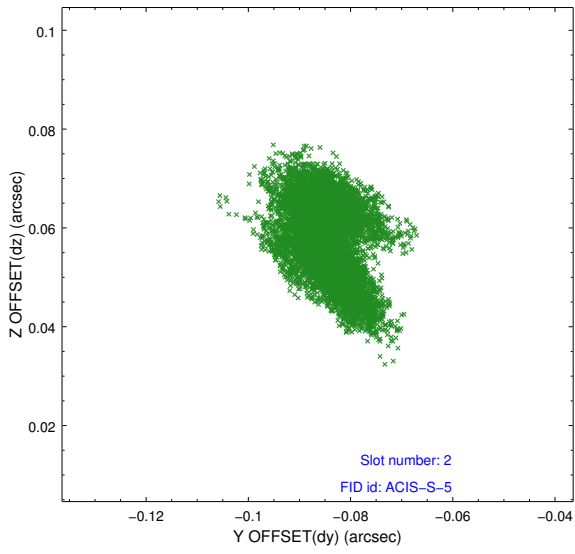
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.068297266662

A.2 Comments

Obsid extends beyond the end of the window constraint: window constraint ends 2014-09-16T00:00, obsid ends 2014-09-16T01:21.