

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 15731 - L2 Version 1
Chandra X-Ray Center

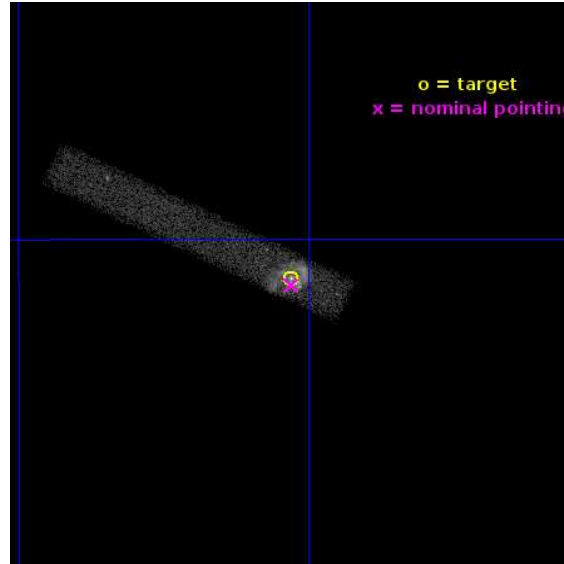
L2 Processing Date : Aug 7 2014

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1 Front

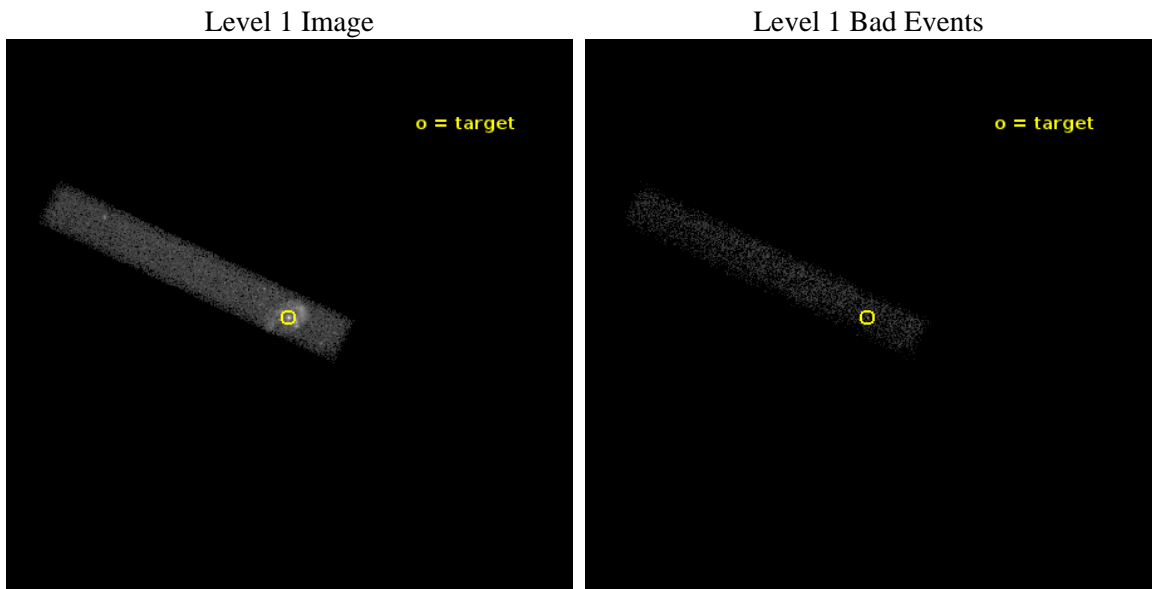
seq_num	200944	Sequence number
obs_id	15731	Observation id
title	Probing the wind/radiative interactions with the circumstellar material at Periastron Passage of Eta Carinae	Proposal title
observer	Dr Kenji Hamaguchi	Principal investigator
object	Eta Carinae	Source name
dtcycle	0	
cycle	P	events from 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	161.26422162677	Nominal RA [deg]
dec_nom	-59.687574339522	Nominal Dec [deg]
roll_nom	206.15595516983	Nominal Roll [deg]
revision	1	Processing version of data
ontime	32068.398088574	Sum of GTIs [s]
livetime	29084.344357495	Livetime [s]
ontime7	32068.398088574	Sum of GTIs [s]
l2events	33521	Number of level 2 events



2 OBI

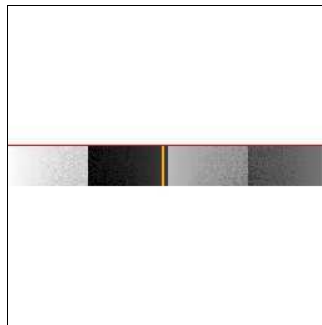
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	32068.398088574	Sum of GTIs [s]
caldsver	4.6.2	 	ontime7	32068.398088574	Sum of GTIs [s]
date	2014-08-07T20:10:20	Date and time of file creation	l1events	49025	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

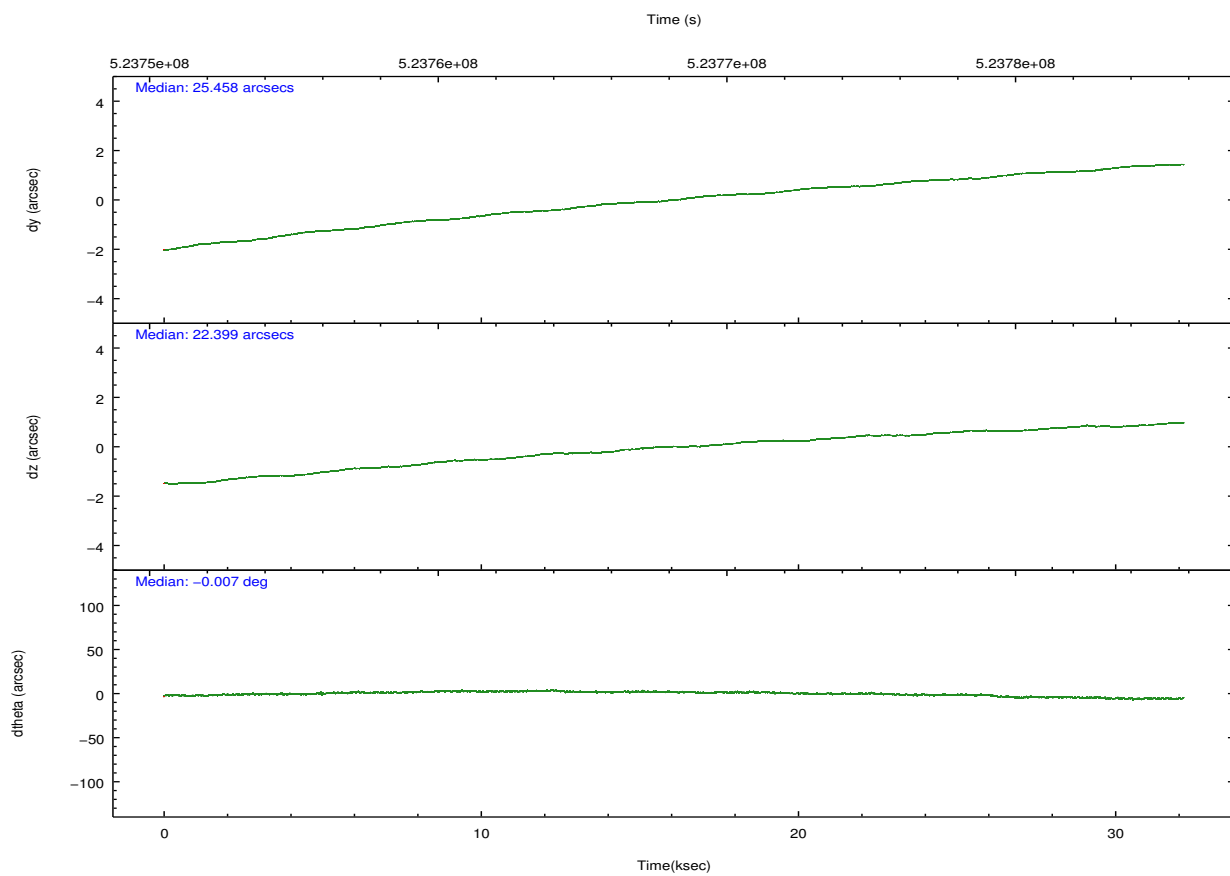
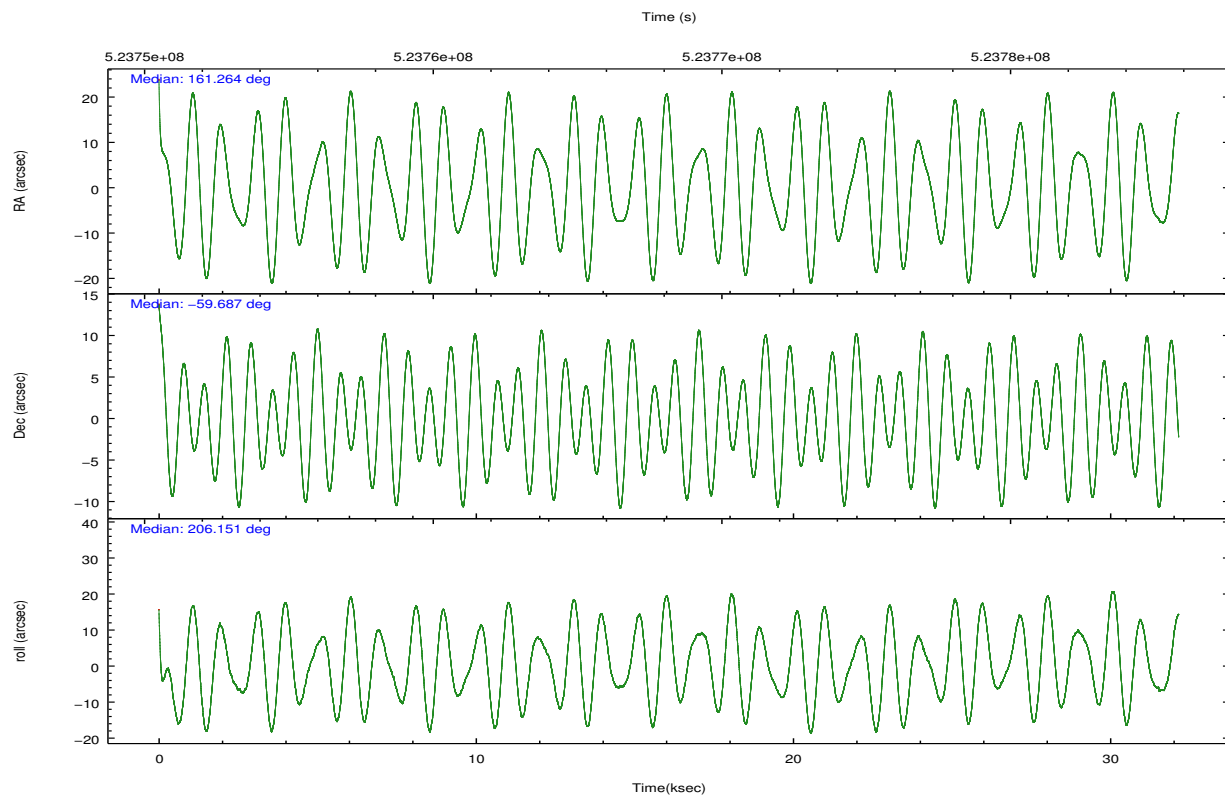
	ccd 7
level 1 events	49025
rejected events	14863
rejected %	30%

	ccd 7
grade 0 events	7053
	14%
grade 1 events	56
	0%
grade 2 events	8137
	16%
grade 3 events	4230
	8%
grade 4 events	4091
	8%
grade 5 events	3207
	6%
grade 6 events	10651
	21%
grade 7 events	11600
	23%

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	161.293871	161.2642216267689	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-59.664590	-59.68757433952194	Subarray start row	449	449
[deg] Pointing Roll	206.024920	206.1559551698298	Subarray row count	128	128
[s] Window start time (MET)	523324867.184000	523324867.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	523929667.184000	523929667.184000	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	523752241.184000	523751149.70801			
Observation start date	2014-08-06T22:42:54	2014-08-06T22:25:49			
[s] Observation end time (MET)	523784241.184000	523785442.62241			
Observation end date	2014-08-07T07:36:14	2014-08-07T07:57:22			
Read mode	TIMED	TIMED			

2.3 Aspect

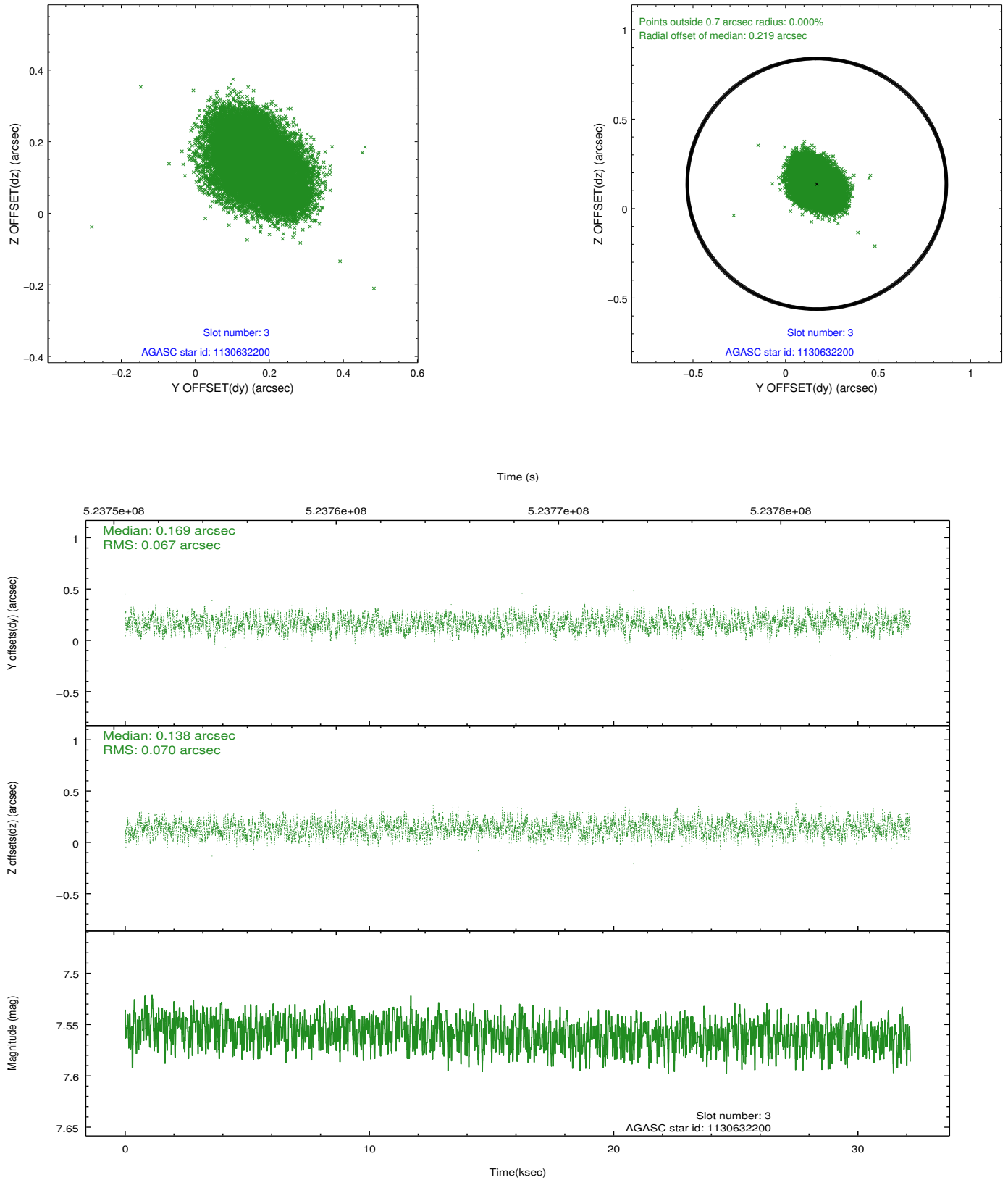


Slot Statistics

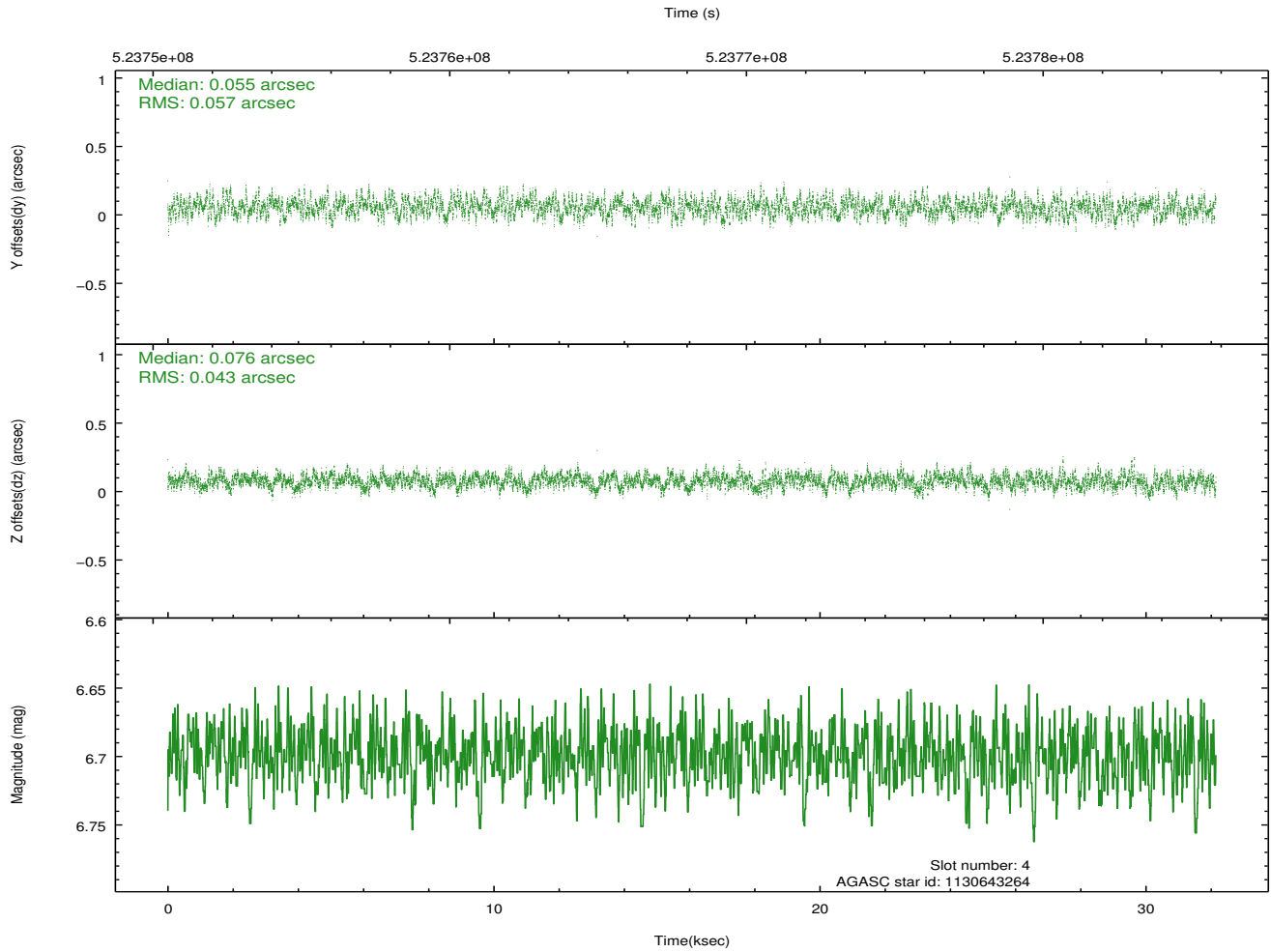
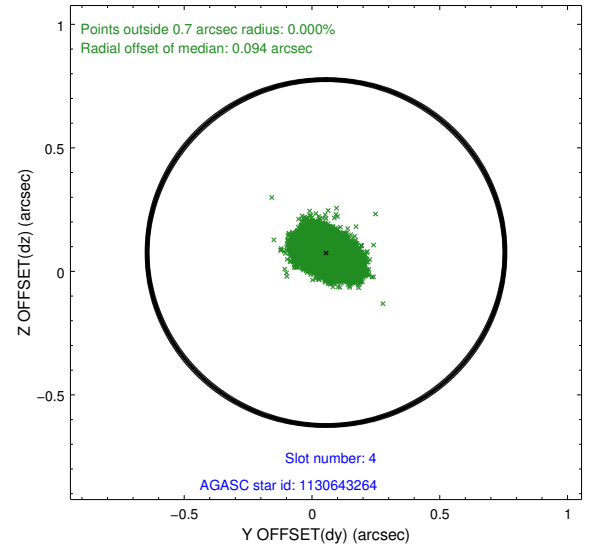
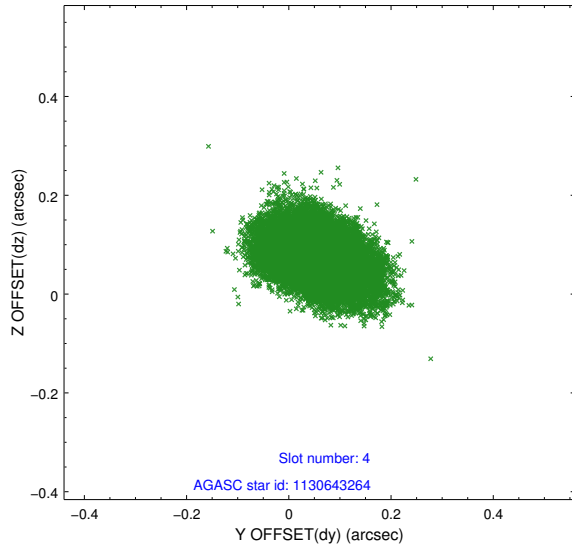
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	7840	0.177	-0.029	0.024	0.053	0.000000	0.000000	917.62	-1739.46
1	FID	ACIS-S-2	6.93	7842	-0.133	-0.005	0.028	0.057	0.000000	0.000000	-778.56	-1744.06
2	FID	ACIS-S-5	7.05	7841	-0.060	0.043	0.020	0.041	0.000000	0.000000	-1831.84	158.06
3	GUIDE	1130632200	7.56	15684	0.169	0.138	0.106	0.161	161.433843	-59.407820	-635.34	-717.62
4	GUIDE	1130643264	6.70	15684	0.055	0.076	0.077	0.124	160.322990	-59.676912	1611.18	-722.44
5	GUIDE	1174012960	7.11	15682	-0.203	-0.406	0.071	0.109	160.855674	-60.332270	1757.55	1819.57
6	GUIDE	1130632064	8.49	15682	-0.023	0.238	0.092	0.144	160.452382	-59.130948	558.74	-2398.87
7	GUIDE	1130640672	8.25	15680	-0.006	-0.046	0.103	0.157	162.096044	-59.540805	-1506.74	249.65

2.4 Star Slots

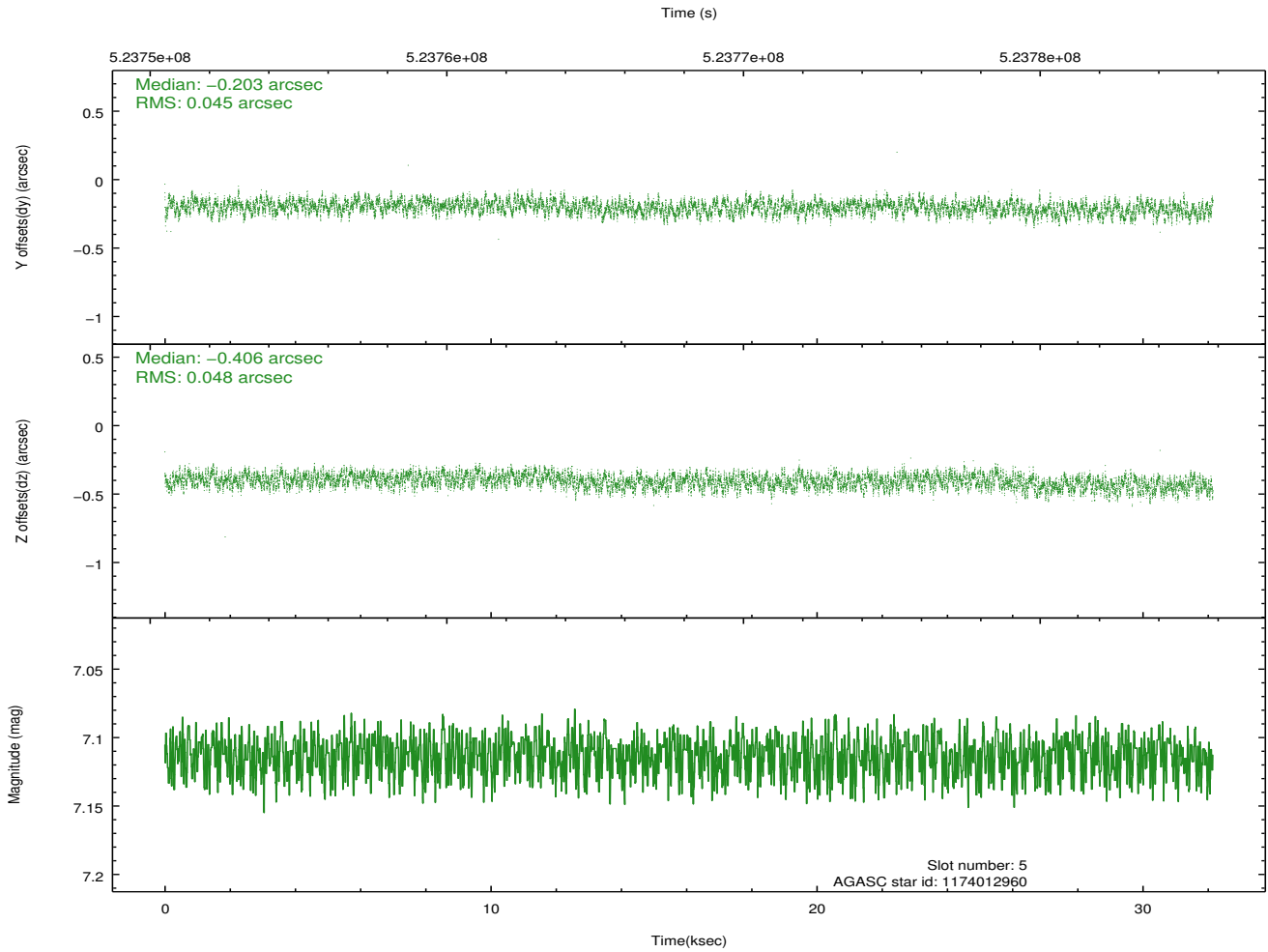
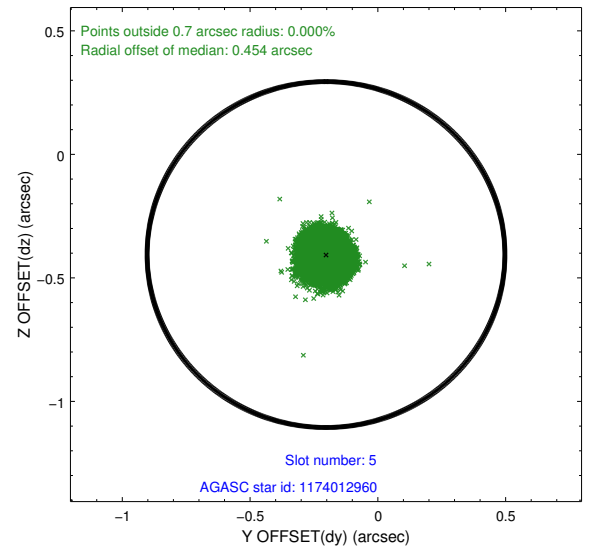
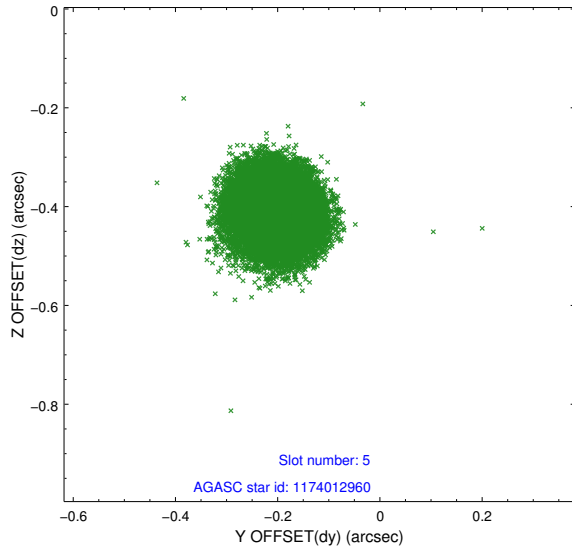
2.4.1 Slot 3



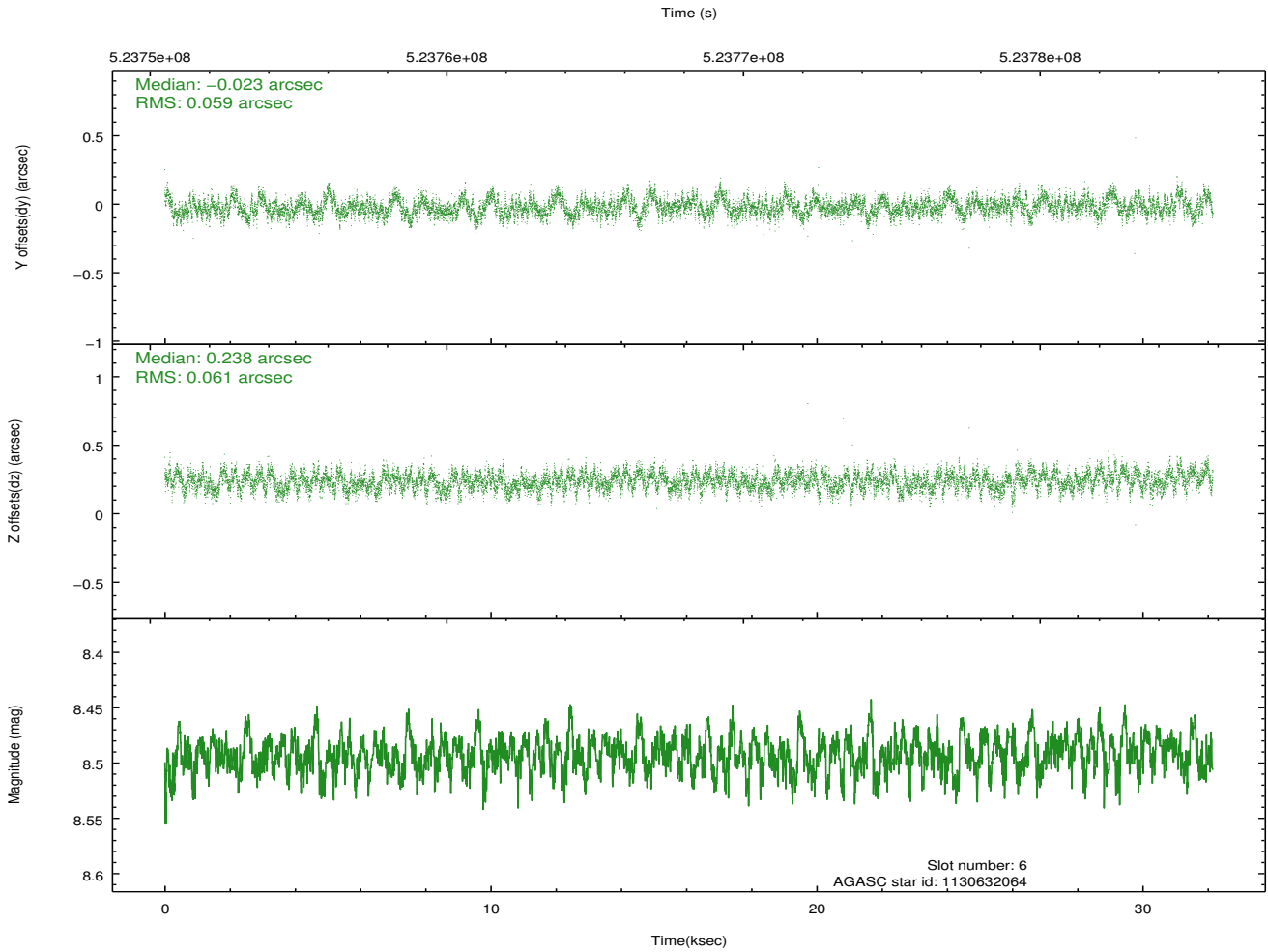
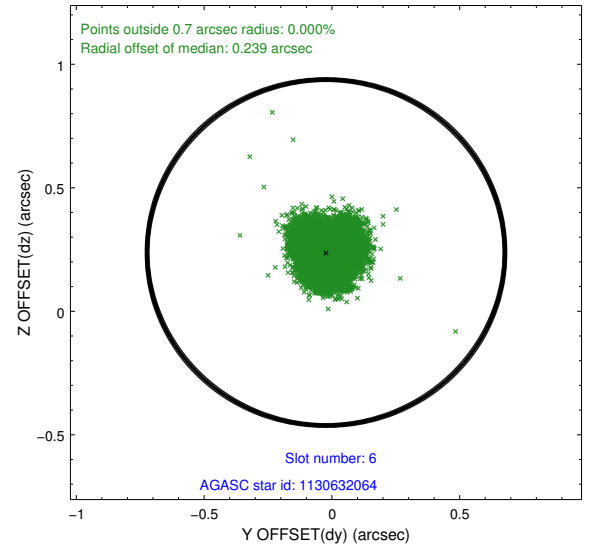
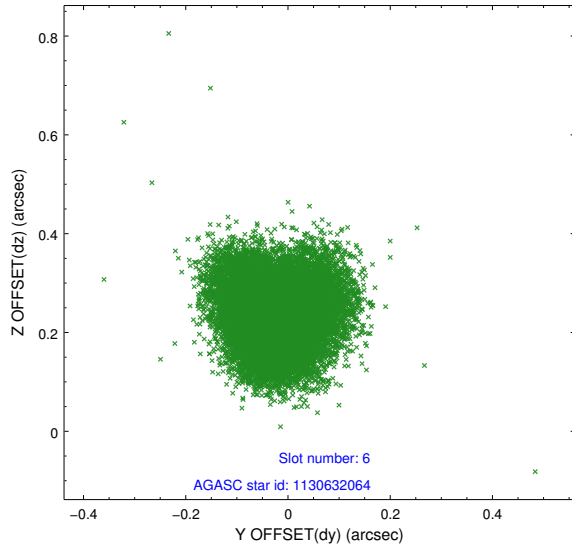
2.4.2 Slot 4



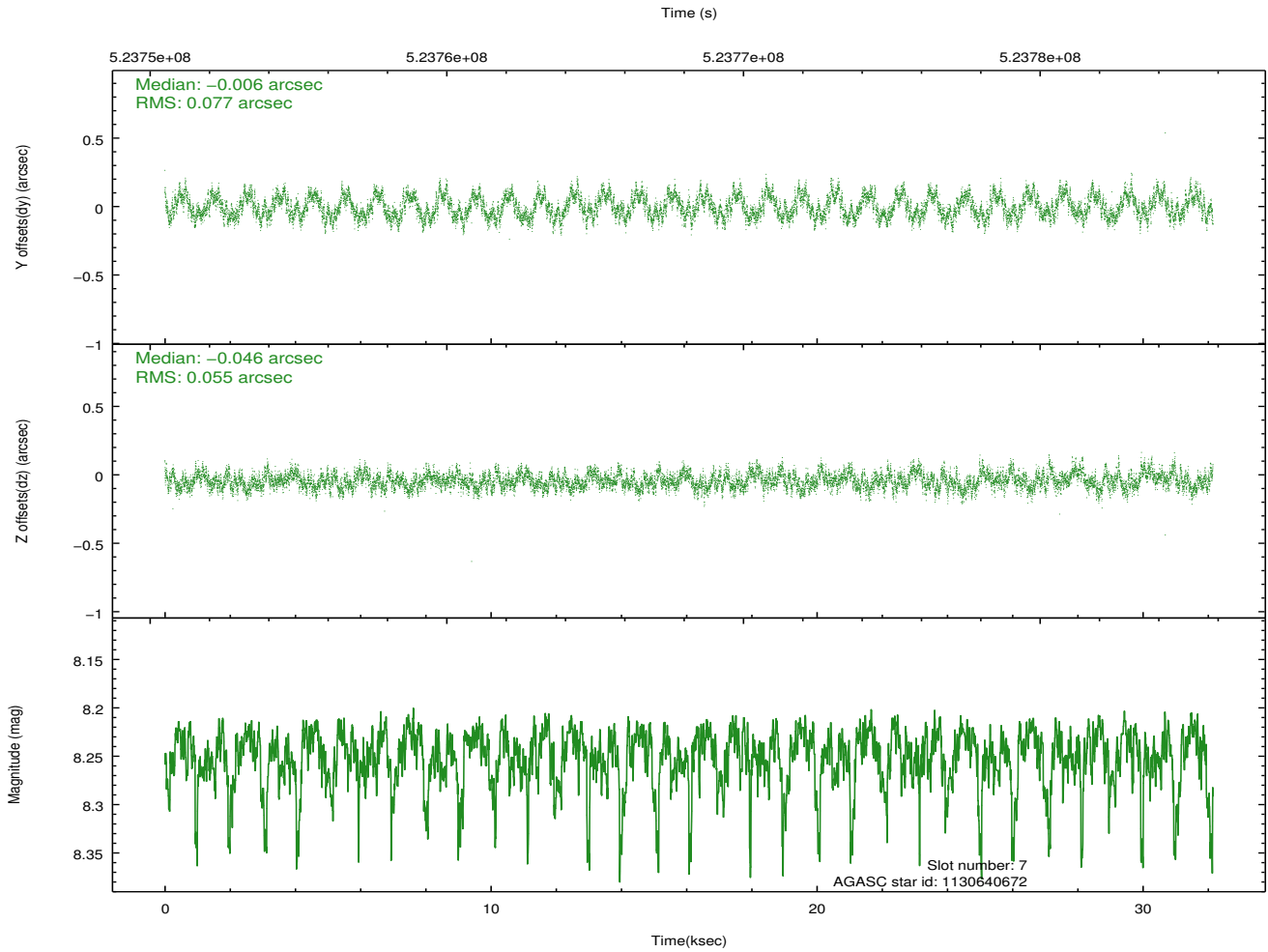
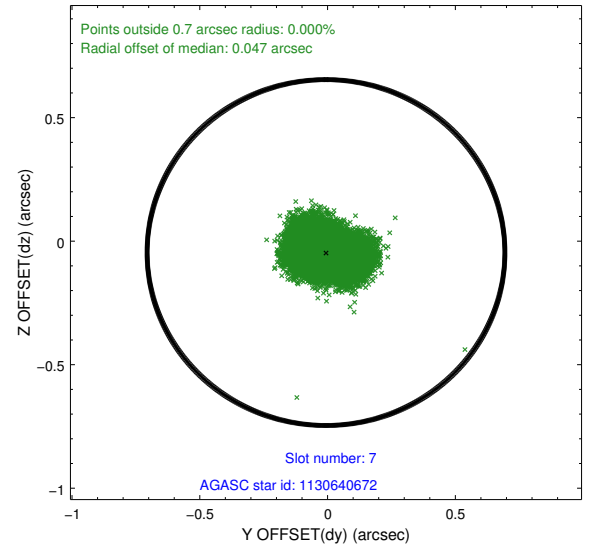
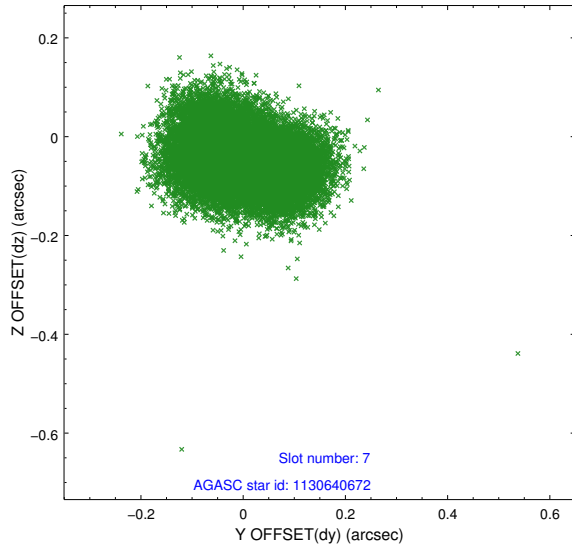
2.4.3 Slot 5



2.4.4 Slot 6

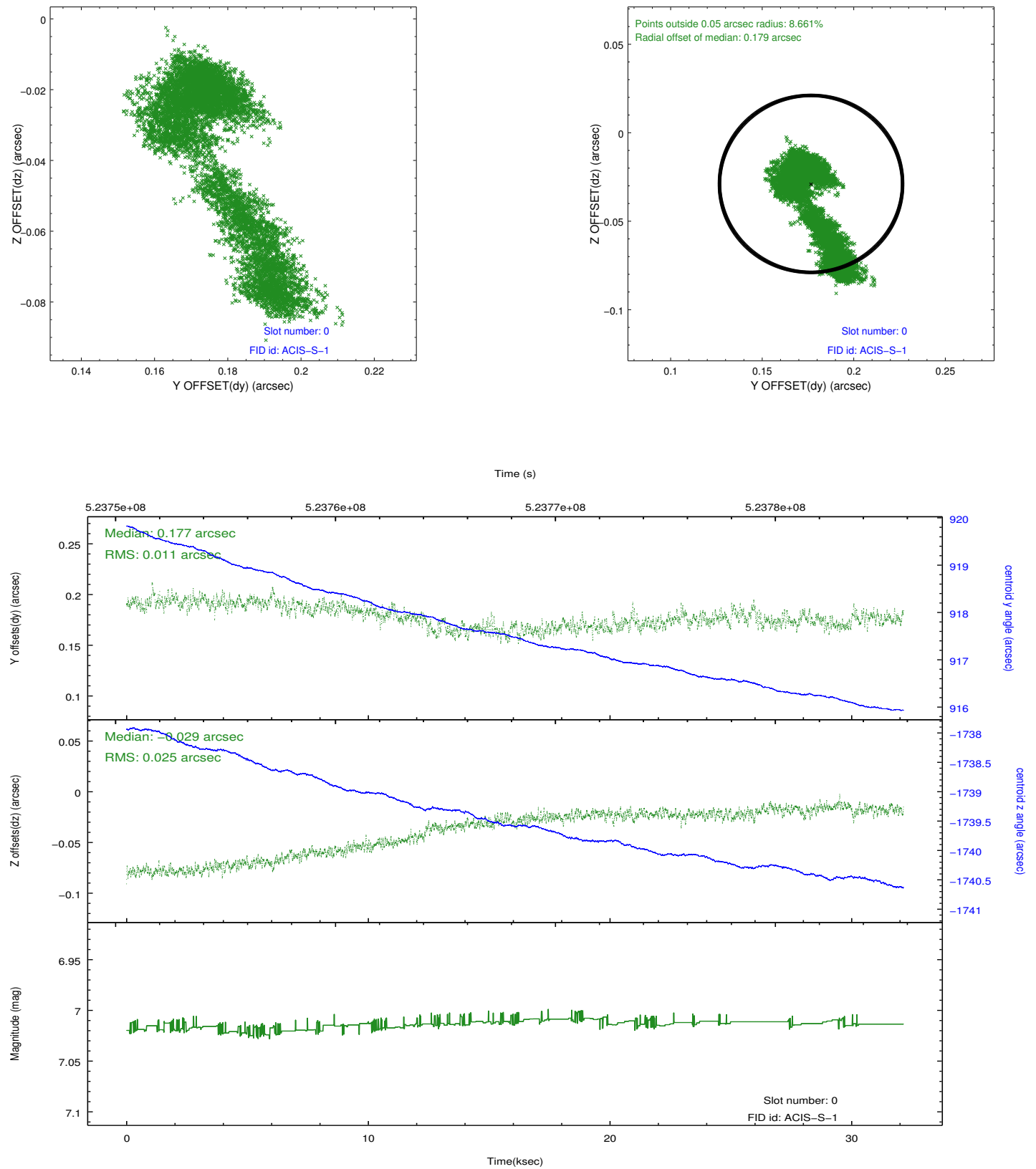


2.4.5 Slot 7

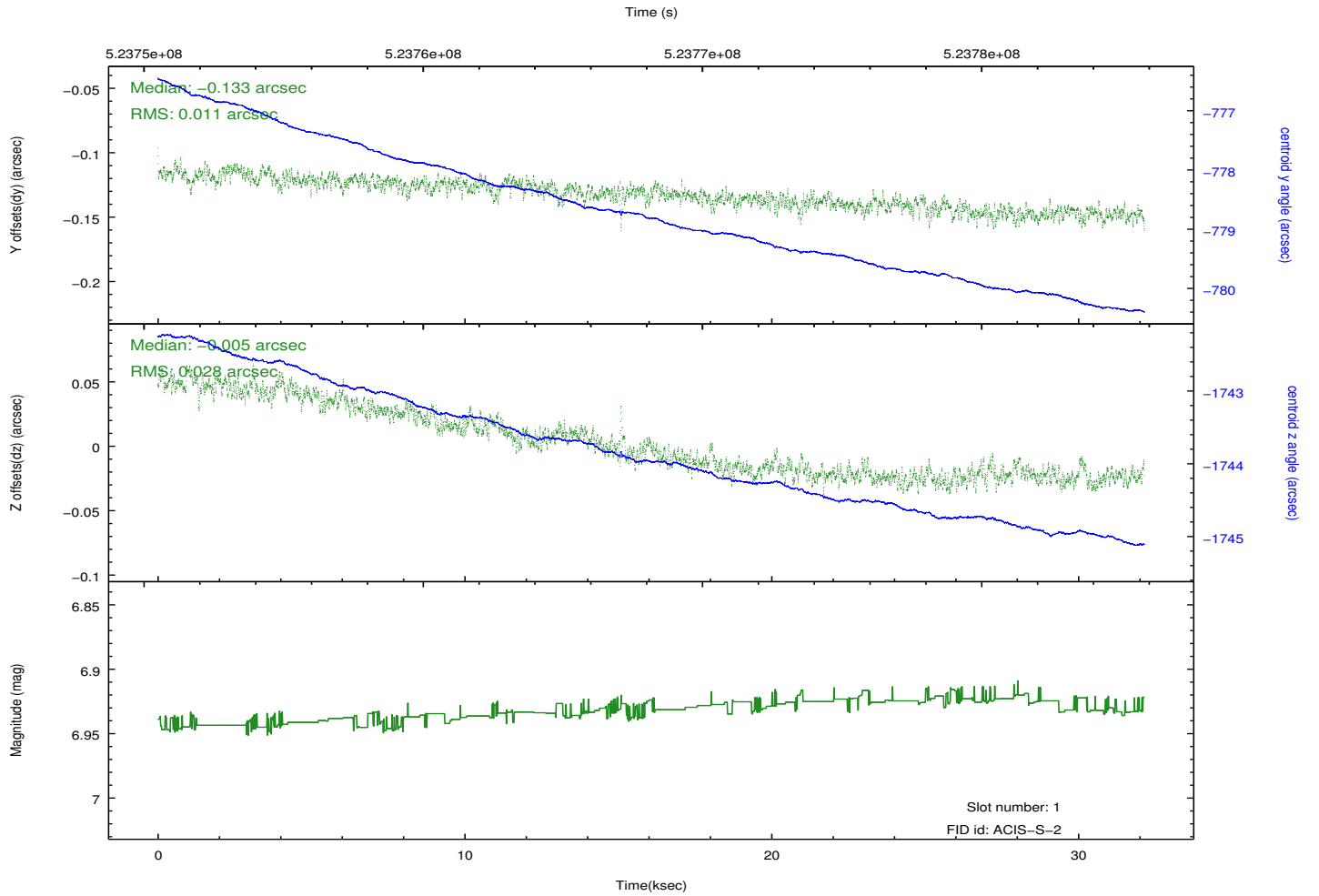
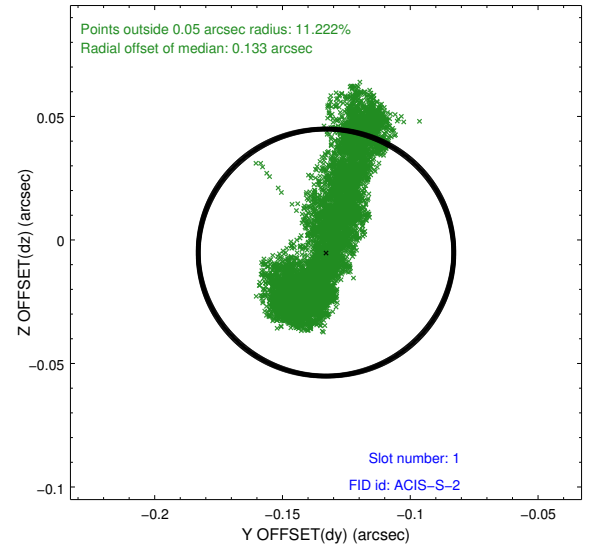
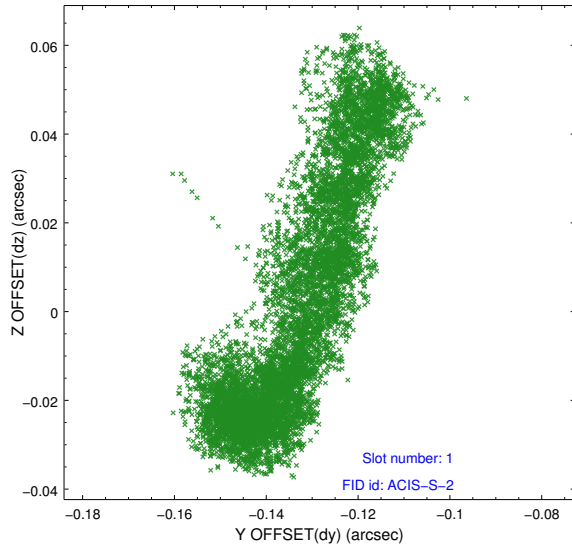


2.5 FID Slots

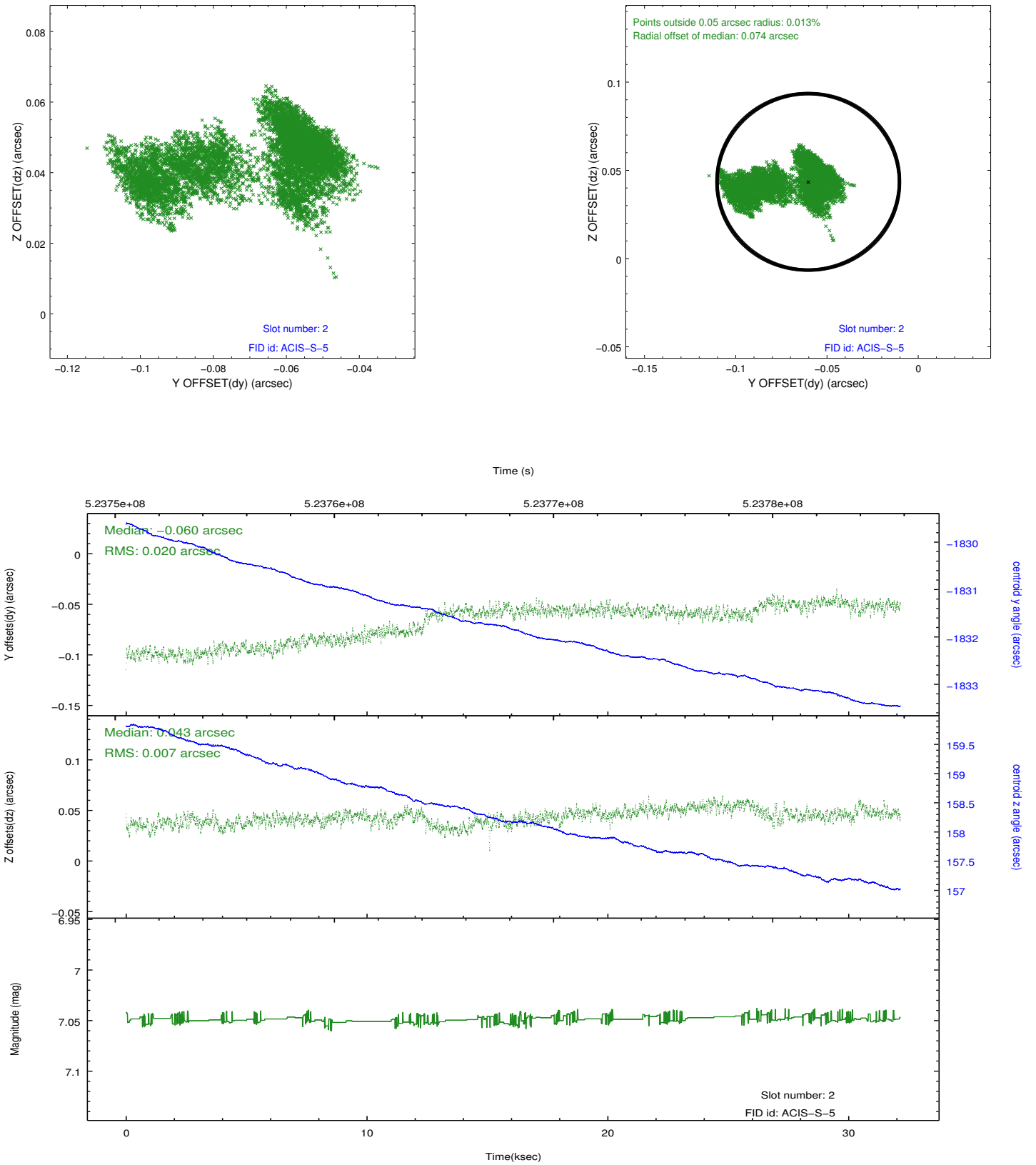
2.5.1 Slot 0



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)	2014.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.068398088574

A.2 Comments

Window preference met.