

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 15732 - L2 Version 1
Chandra X-Ray Center

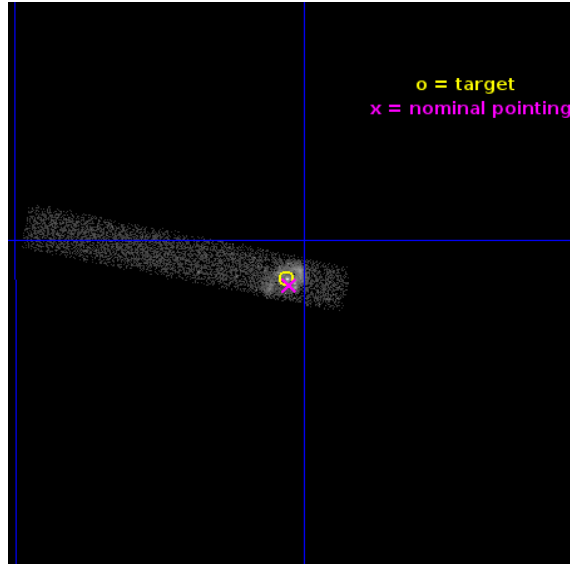
L2 Processing Date : Aug 19 2014

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1 Front

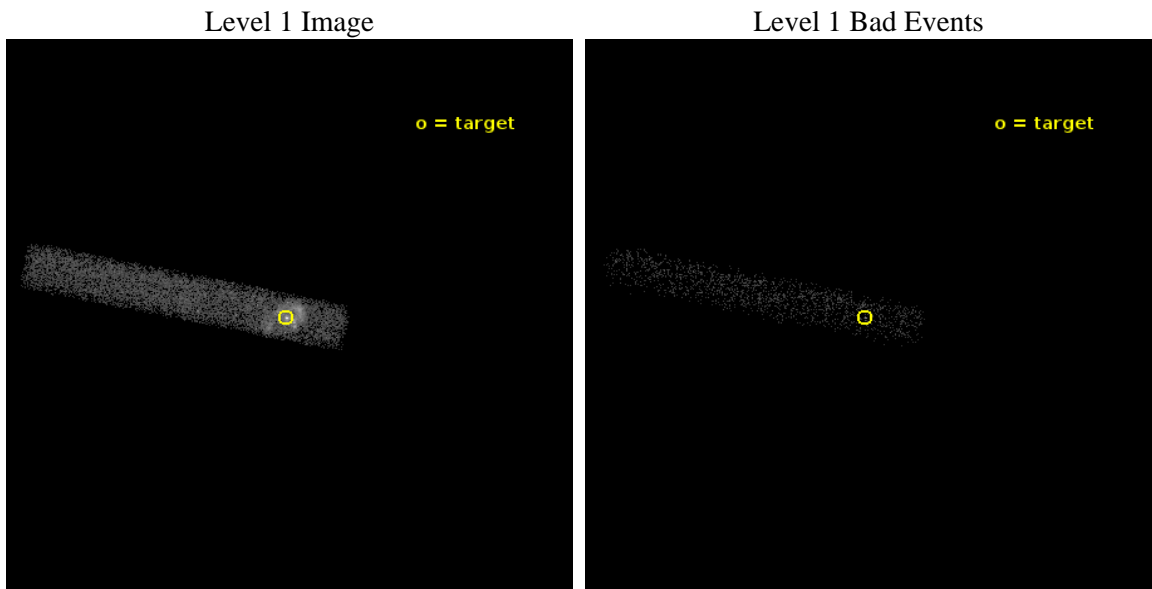
seq_num	200945	Sequence number
obs_id	15732	Observation id
title	Probing the wind/radiative interactions with the circumstellar material at Periastron Passage of Eta Carinae	Proposal title
observer	Dr Kenji Hamaguchi	Principal investigator
object	Eta Carinae	Source name
dtcycle	0	
cycle	P	events from 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	161.26263123972	Nominal RA [deg]
dec_nom	-59.687375521361	Nominal Dec [deg]
roll_nom	191.65456492667	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14530.690151334	Sum of GTIs [s]
liveltime	13178.568974545	Livetime [s]
ontime7	14530.690151334	Sum of GTIs [s]
l2events	15443	Number of level 2 events



2 OBI

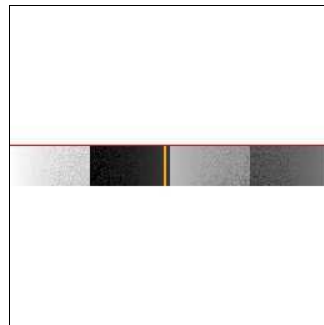
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14461.205000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	14530.690151334	Sum of GTIs [s]
caldbver	4.6.2	 	ontime7	14530.690151334	Sum of GTIs [s]
date	2014-08-19T15:16:42	Date and time of file creation	l1events	22722	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

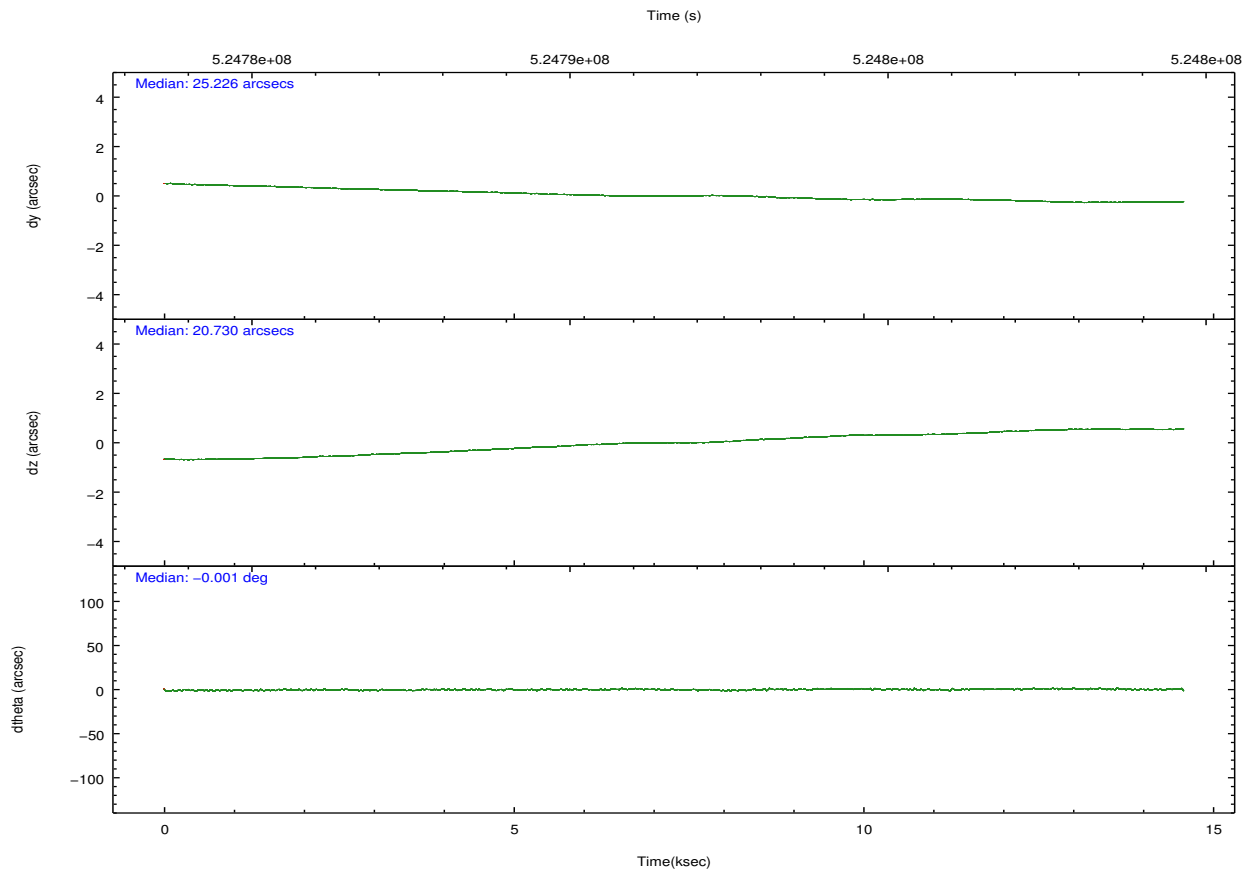
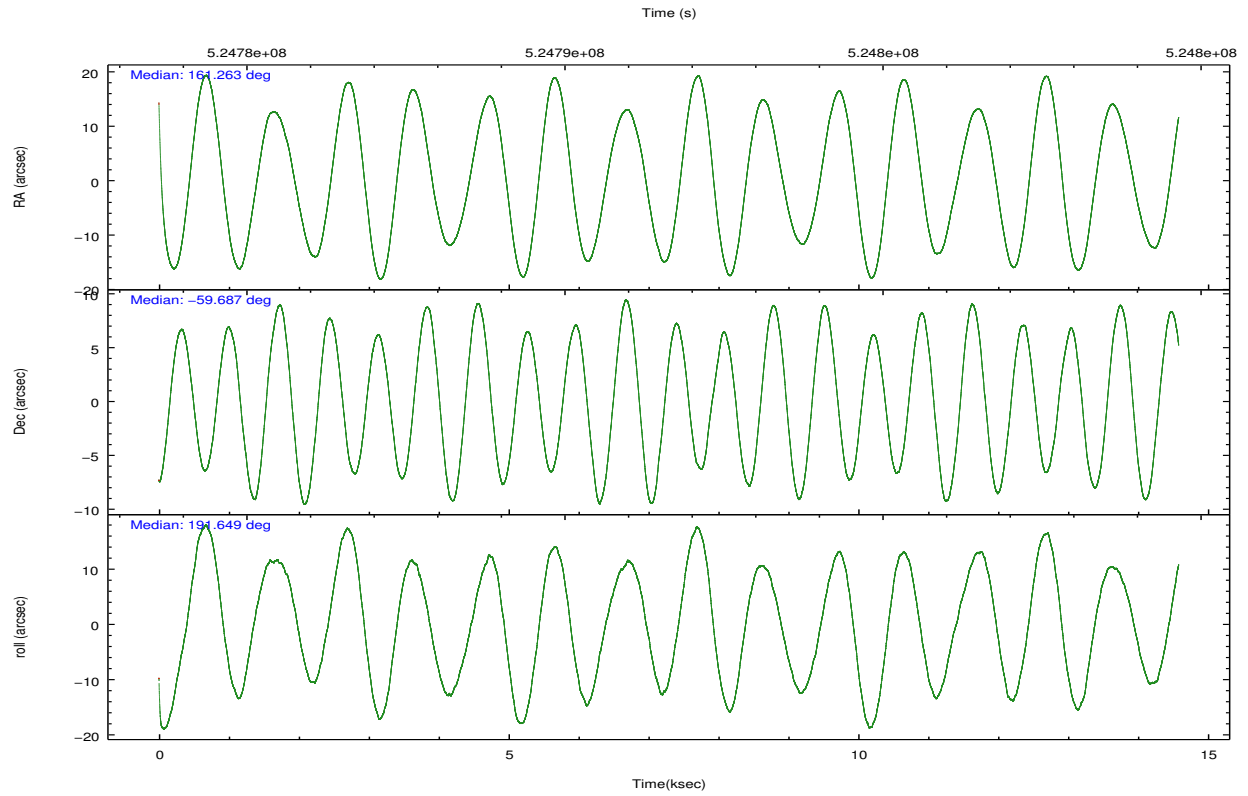
	ccd 7
level 1 events	22722
rejected events	6981
rejected %	30%

	ccd 7
grade 0 events	3276
	14%
grade 1 events	15
	0%
grade 2 events	3826
	16%
grade 3 events	1859
	8%
grade 4 events	1811
	7%
grade 5 events	1385
	6%
grade 6 events	4970
	21%
grade 7 events	5580
	24%

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	161.302819	161.2626312397246	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-59.668877	-59.68737552136071	Subarray start row	449	449
[deg] Pointing Roll	191.532648	191.6545649266651	Subarray row count	128	128
[s] Window start time (MET)	524448067.184000	524448067.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	525139267.184000	525139267.184000	[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)	524784463.184000	524783352.44024			
Observation start date	2014-08-18T21:26:36	2014-08-18T21:09:12			
[s] Observation end time (MET)	524798925.184000	524799150.76612			
Observation end date	2014-08-19T01:27:38	2014-08-19T01:32:30			
Read mode	TIMED	TIMED			

2.3 Aspect

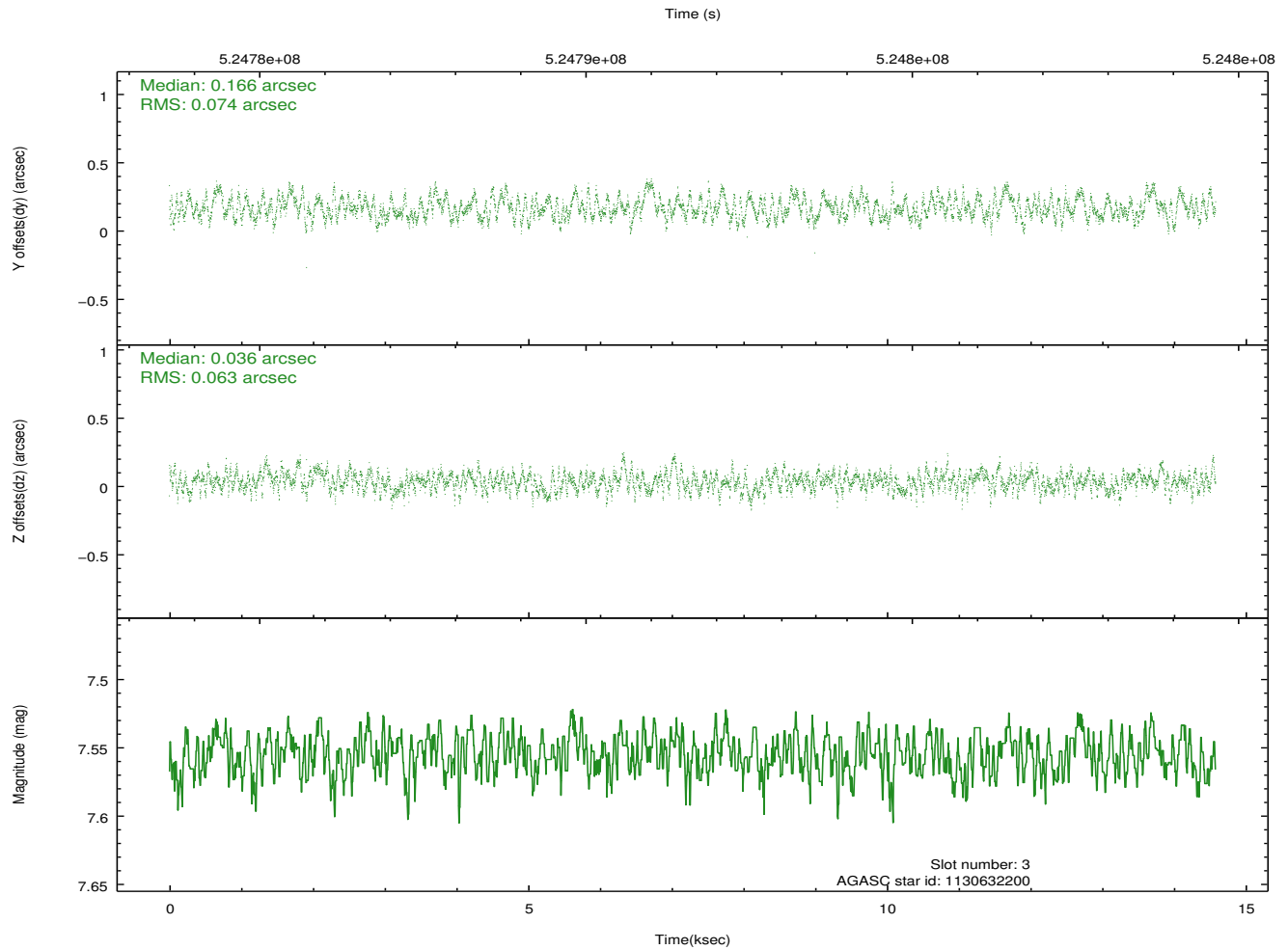
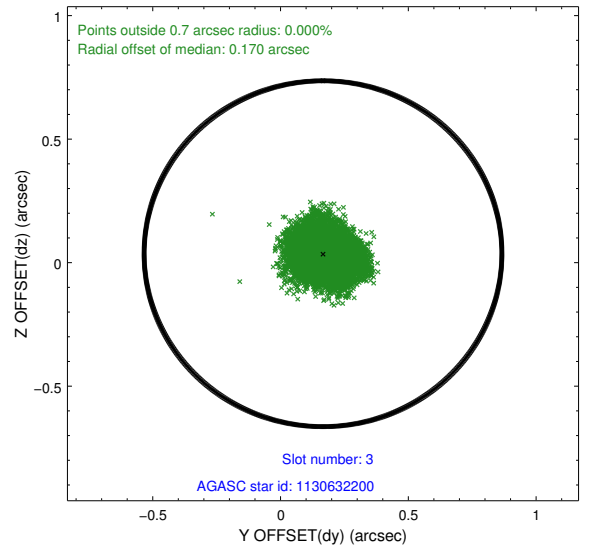
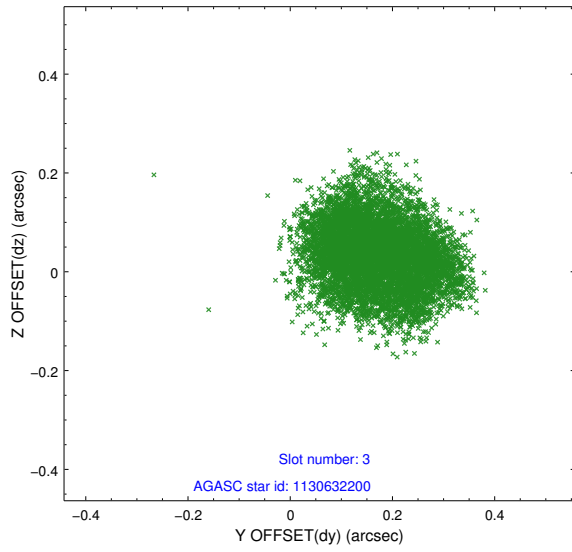


Slot Statistics

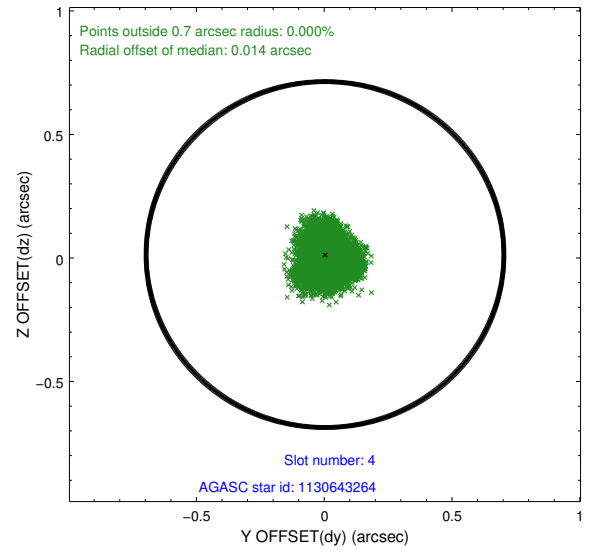
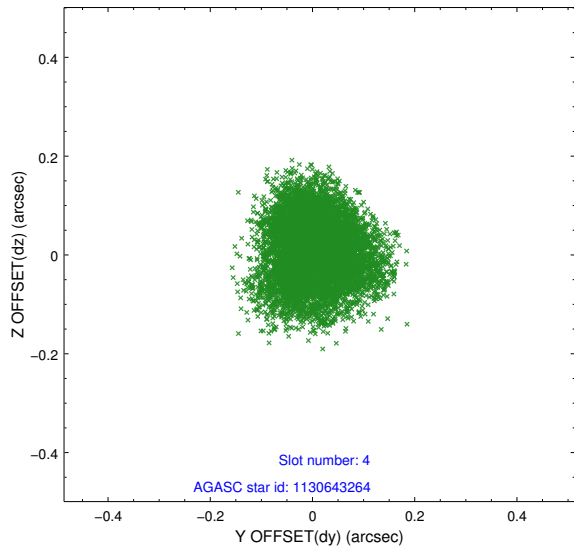
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.15	3557	0.053	-0.044	0.009	0.018	0.000000	0.000000	917.43	-1737.93
1	FID	ACIS-S-2	7.07	3557	-0.270	-0.115	0.008	0.013	0.000000	0.000000	-778.62	-1742.75
2	FID	ACIS-S-4	7.16	3557	0.192	0.165	0.008	0.014	0.000000	0.000000	2134.81	166.01
3	GUIDE	1130632200	7.56	7111	0.166	0.036	0.107	0.161	161.433843	-59.407820	-422.80	-872.38
4	GUIDE	1130643264	6.67	7114	0.003	0.014	0.090	0.141	160.322990	-59.676912	1753.26	-314.52
5	GUIDE	1174033752	8.45	7112	-0.089	-0.248	0.089	0.149	162.418977	-60.164599	-1598.62	2164.55
6	GUIDE	1130636432	8.84	7107	0.100	0.450	0.141	0.230	162.263589	-58.895452	-2304.81	-2357.59
7	GUIDE	1174021440	8.40	7110	-0.177	-0.250	0.089	0.145	160.869011	-60.314711	1222.88	2125.16

2.4 Star Slots

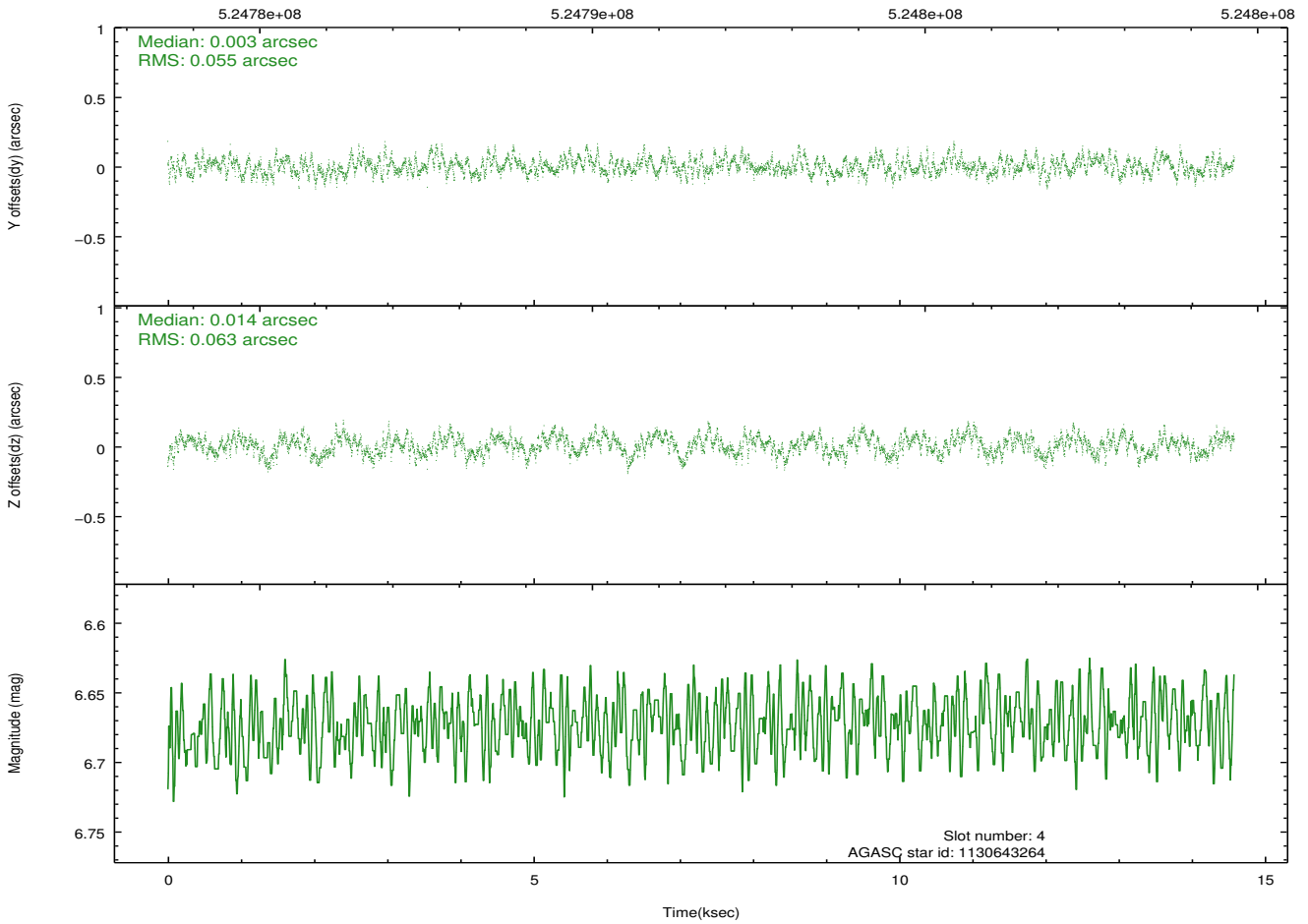
2.4.1 Slot 3



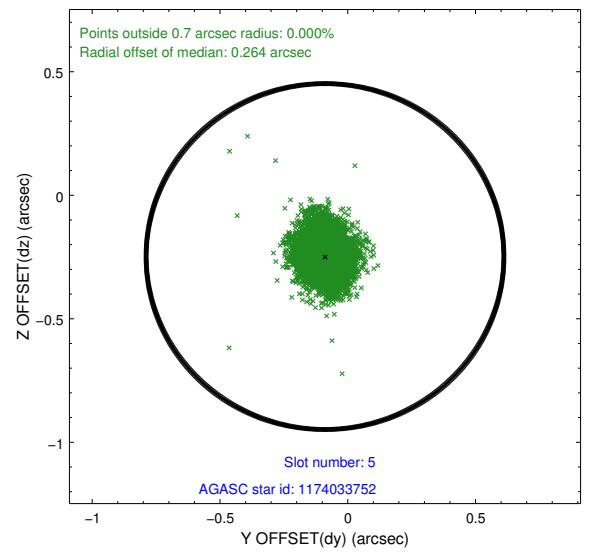
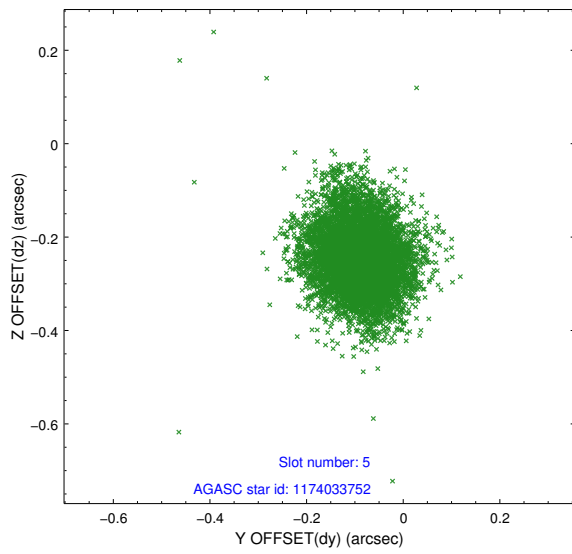
2.4.2 Slot 4



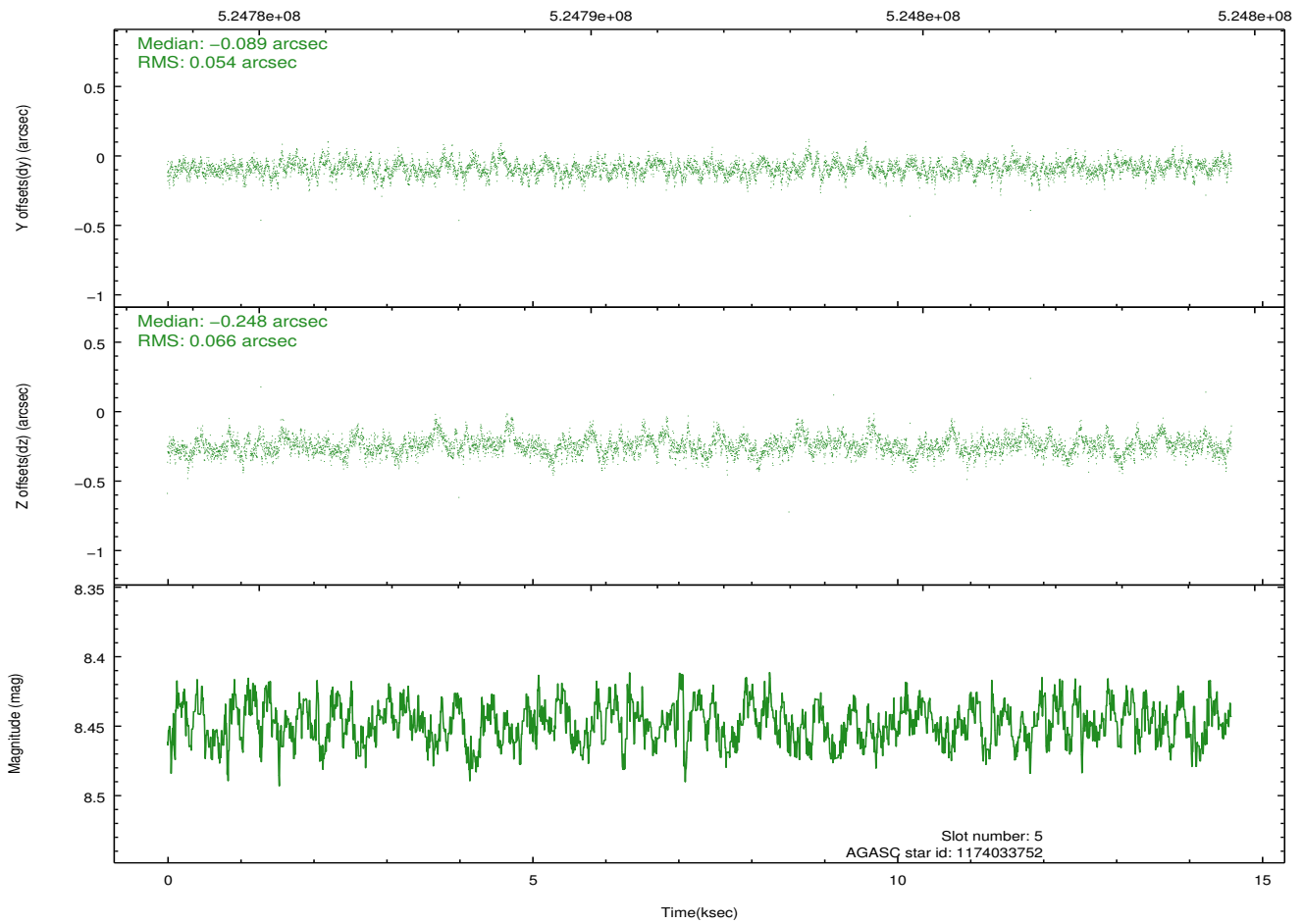
Time (s)



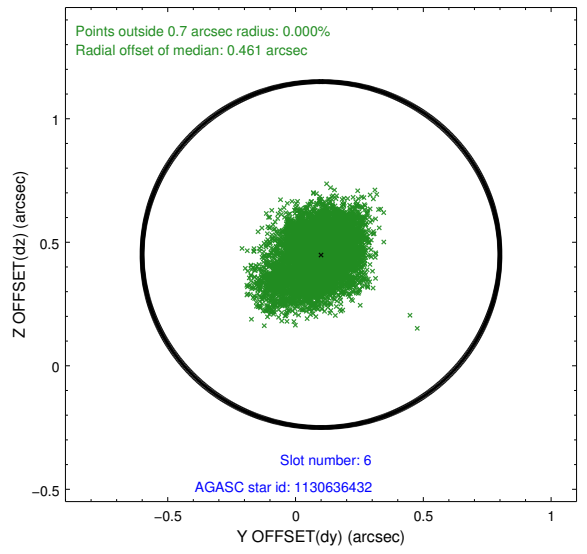
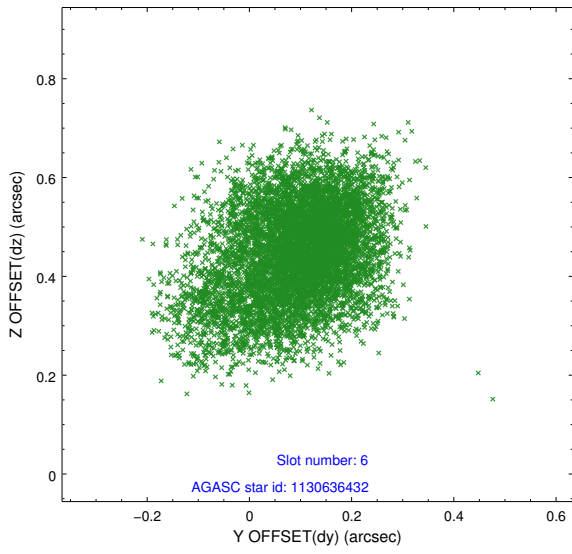
2.4.3 Slot 5



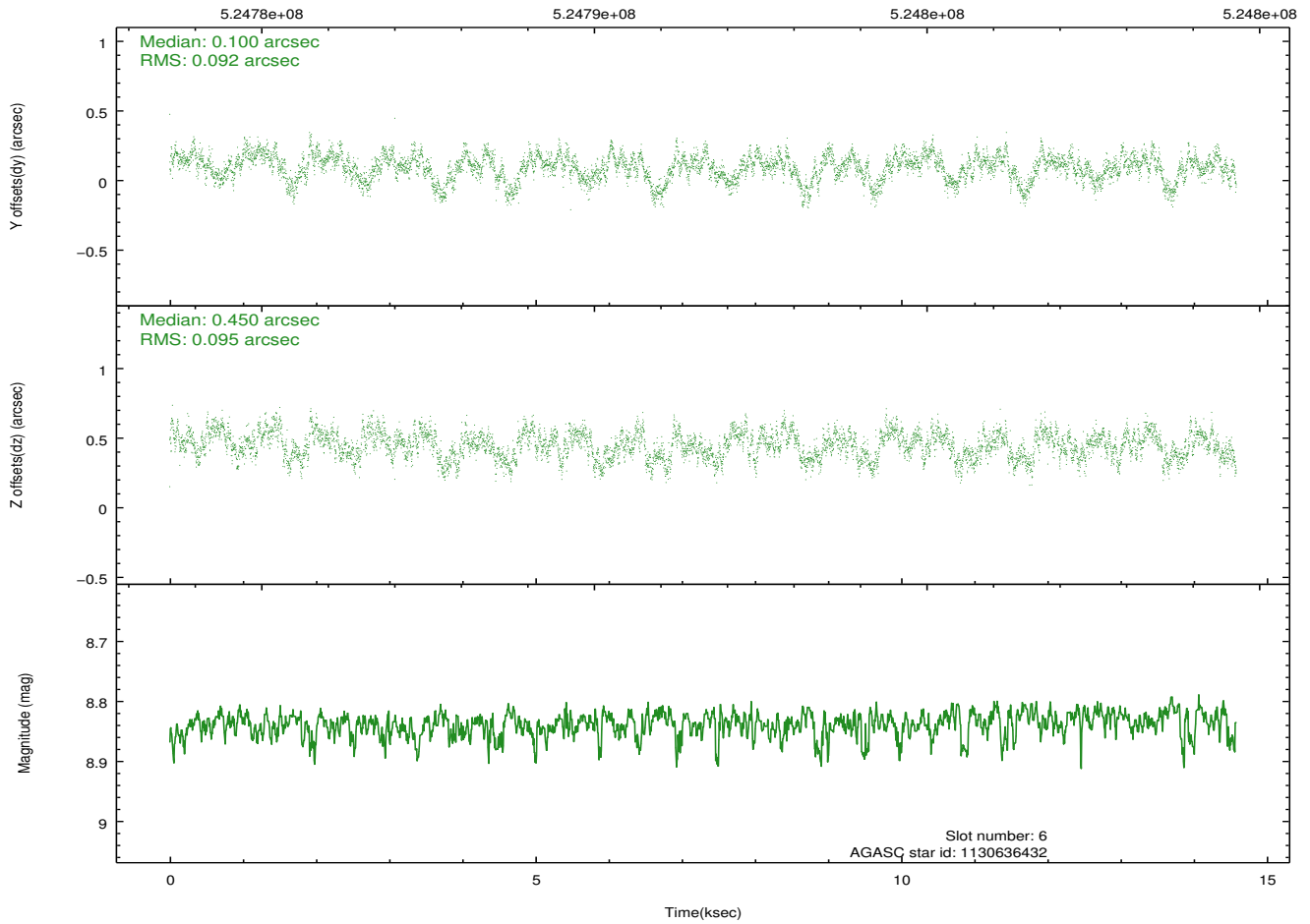
Time (s)



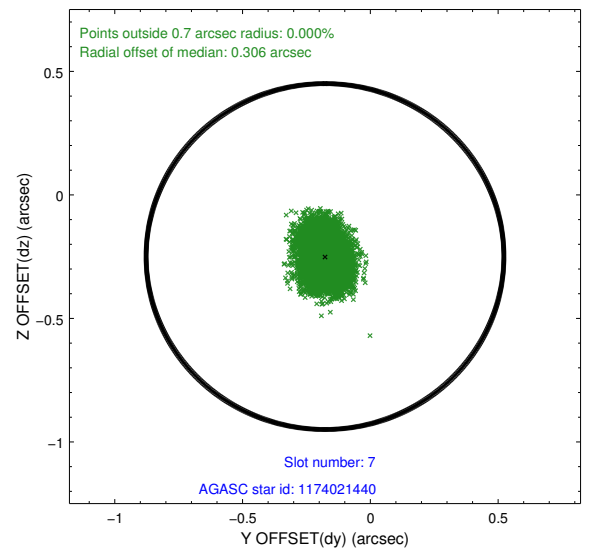
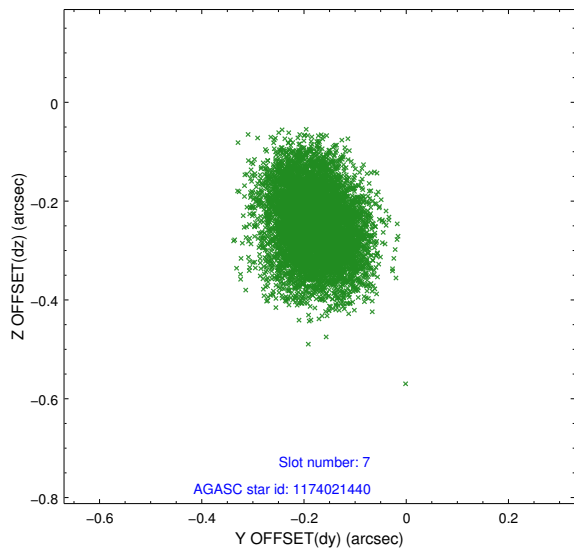
2.4.4 Slot 6



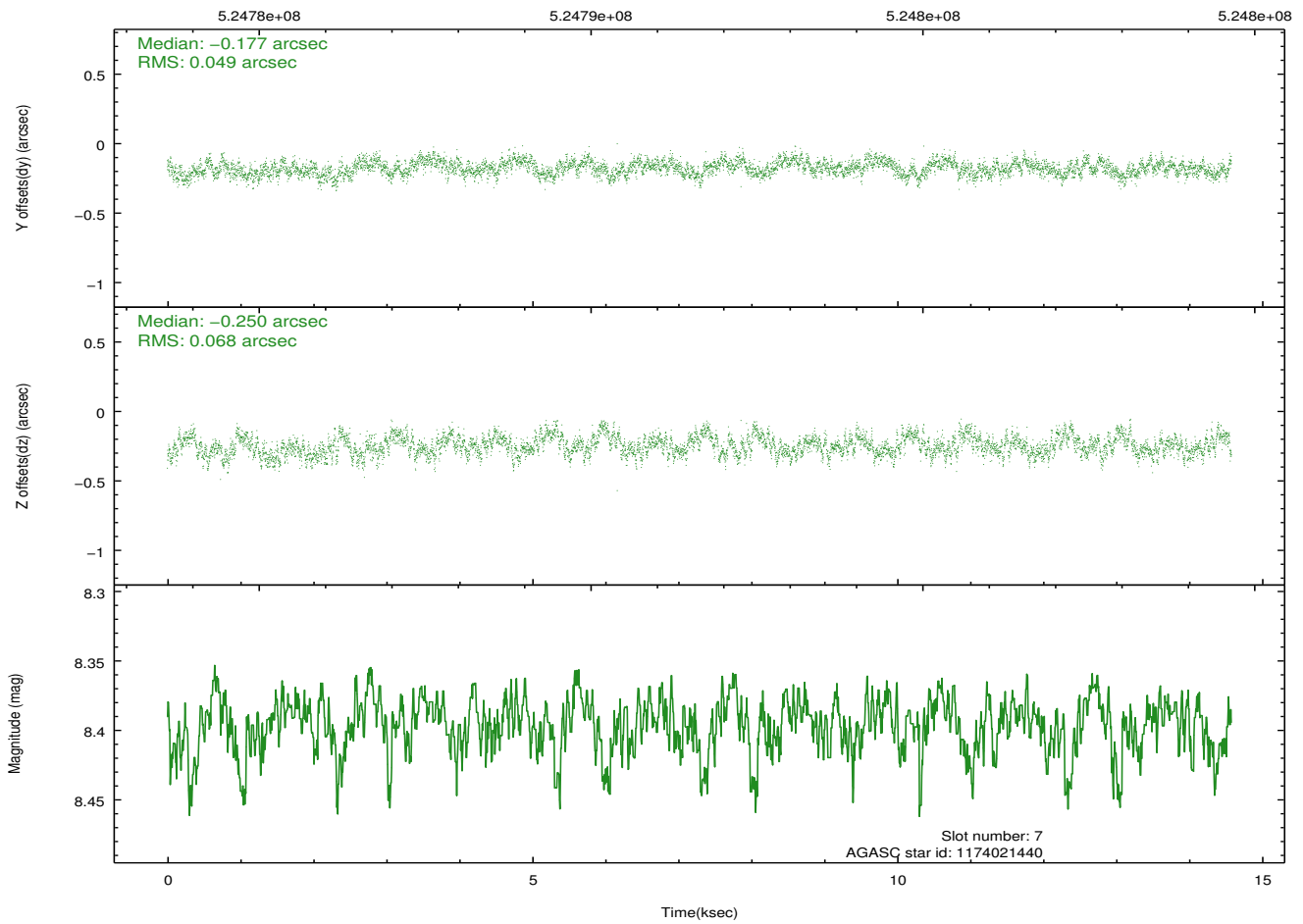
Time (s)



2.4.5 Slot 7

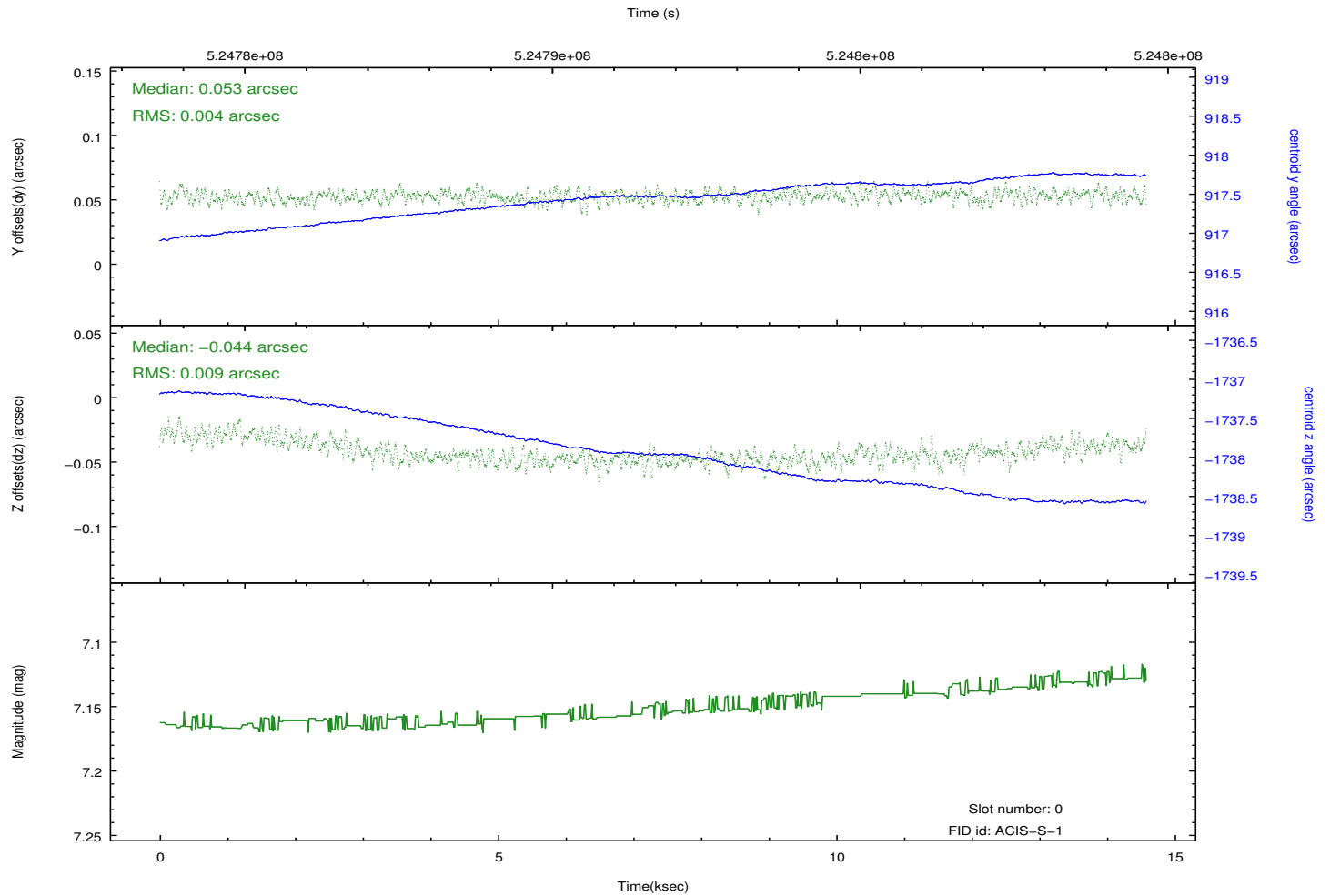
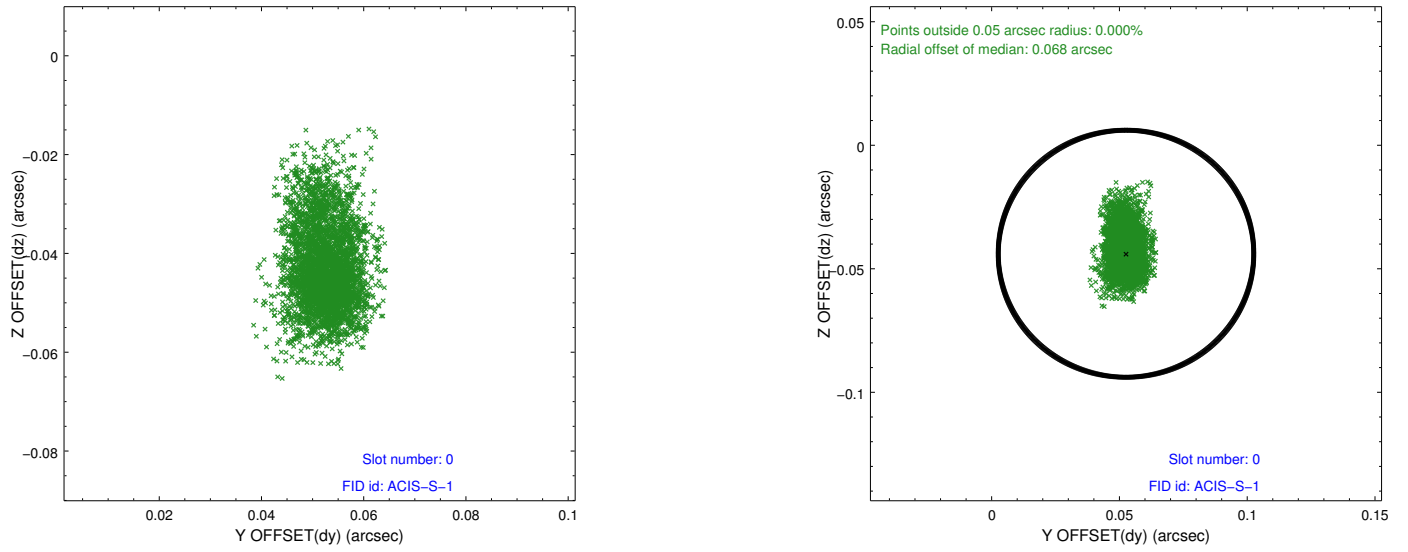


Time (s)

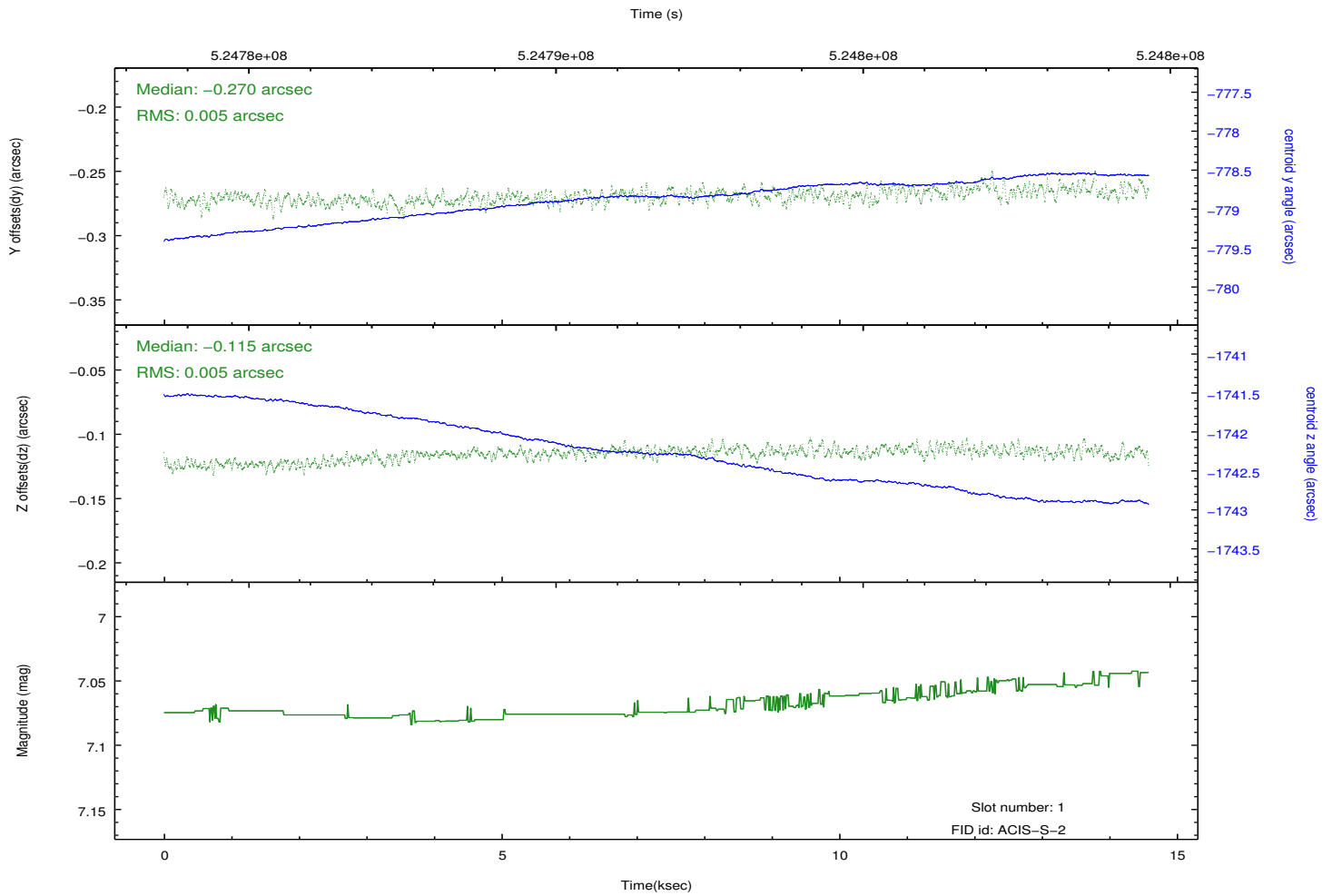
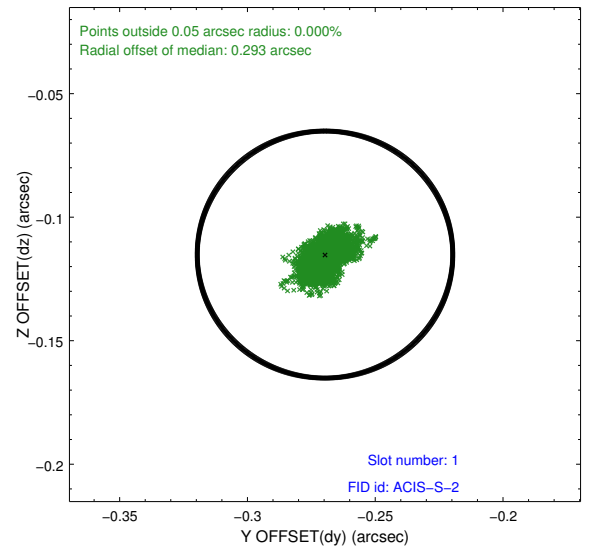
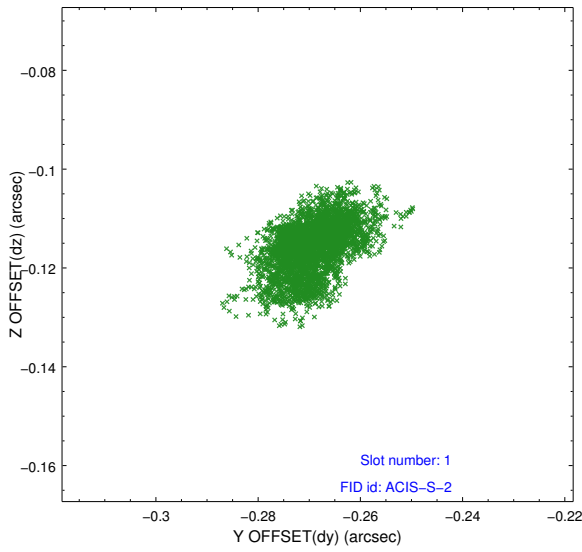


2.5 FID Slots

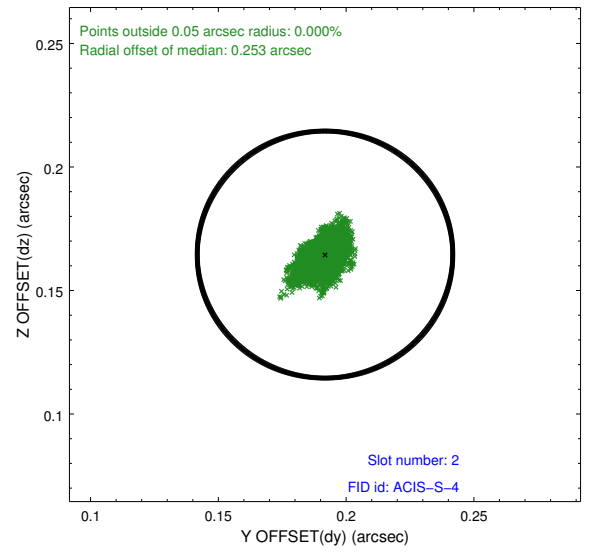
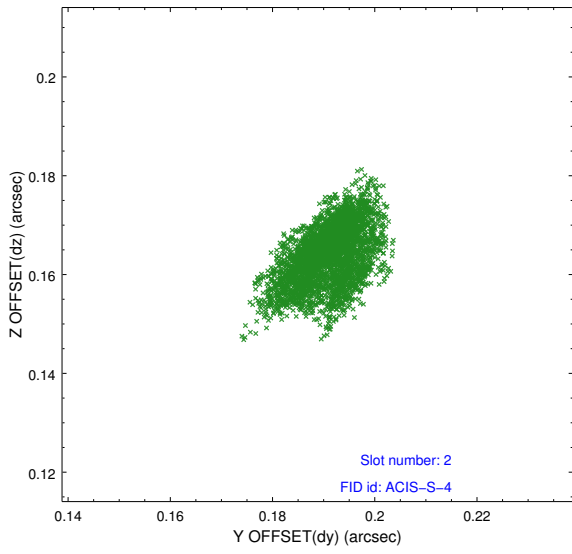
2.5.1 Slot 0



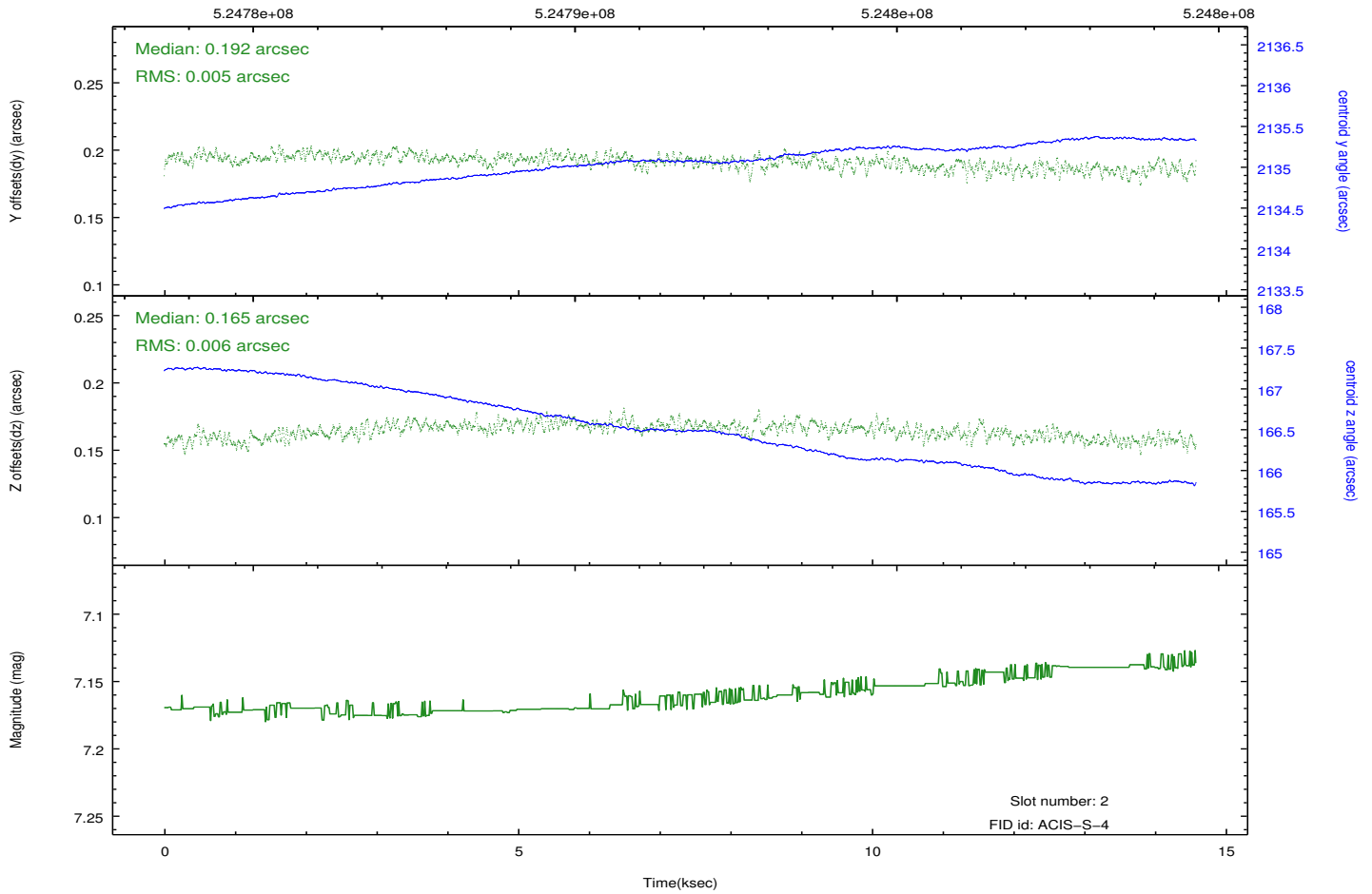
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.08.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.530690151334

A.2 Comments

Window preference met.