

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 14479 - L2 Version 1
Chandra X-Ray Center

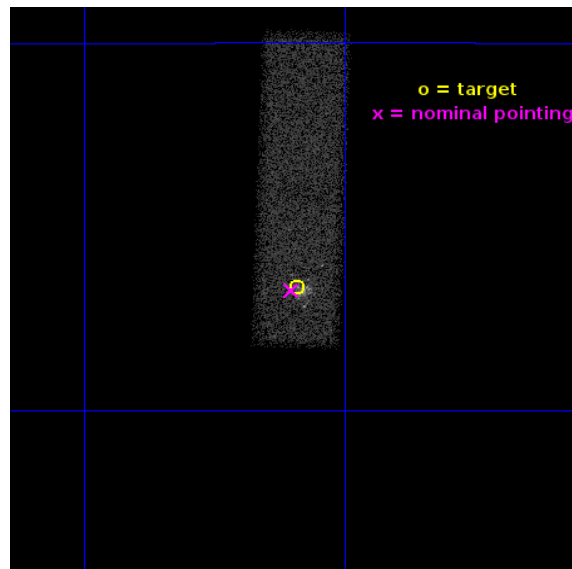
L2 Processing Date : Jul 16 2014

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1 Front

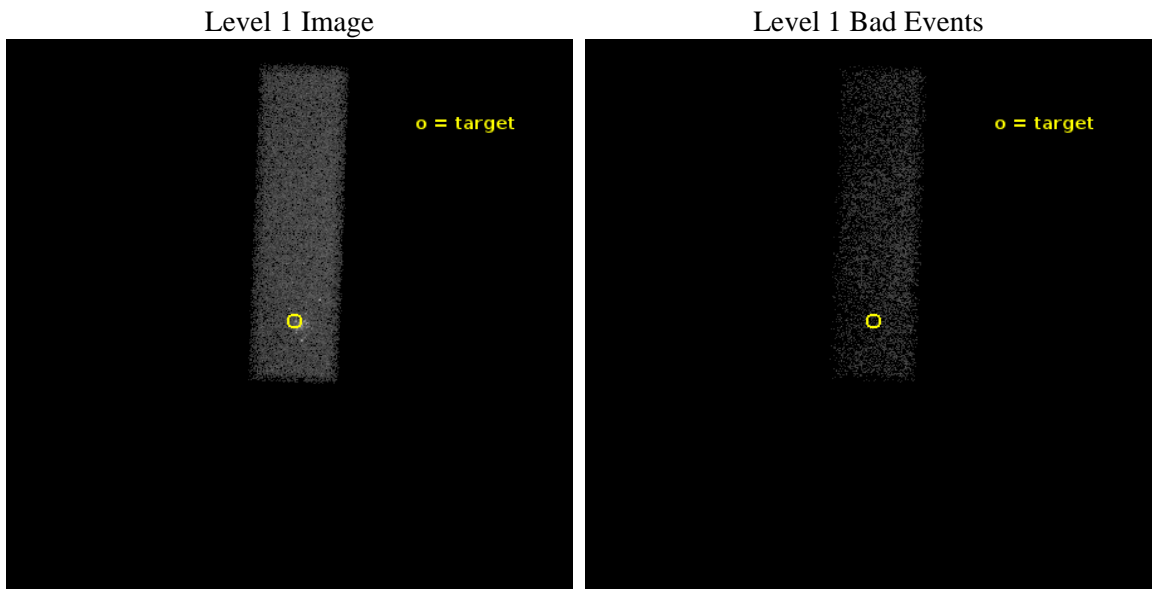
seq_num	401441	Sequence number
obs_id	14479	Observation id
title	Crust cooling of accretion heated neutron stars	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	Swift J174805.3-244637	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.022554	Observer's specified target RA [deg]
dec_targ	-24.777131	Observer's specified target Dec [deg]
ra_nom	267.02547849005	Nominal RA [deg]
dec_nom	-24.77875654075	Nominal Dec [deg]
roll_nom	271.912252959	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30063.200448036	Sum of GTIs [s]
liveltime	28596.21463715	Livetime [s]
ontime7	30063.200448036	Sum of GTIs [s]
l2events	30290	Number of level 2 events



2 OBI

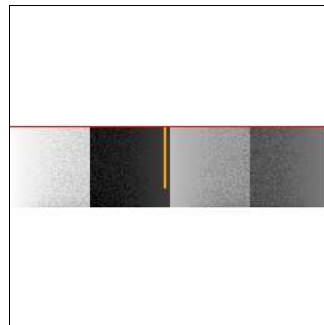
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	30063.200448036	Sum of GTIs [s]
caldbver	4.6.2	 	ontime7	30063.200448036	Sum of GTIs [s]
date	2014-07-16T12:35:47	Date and time of file creation	l1events	56676	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

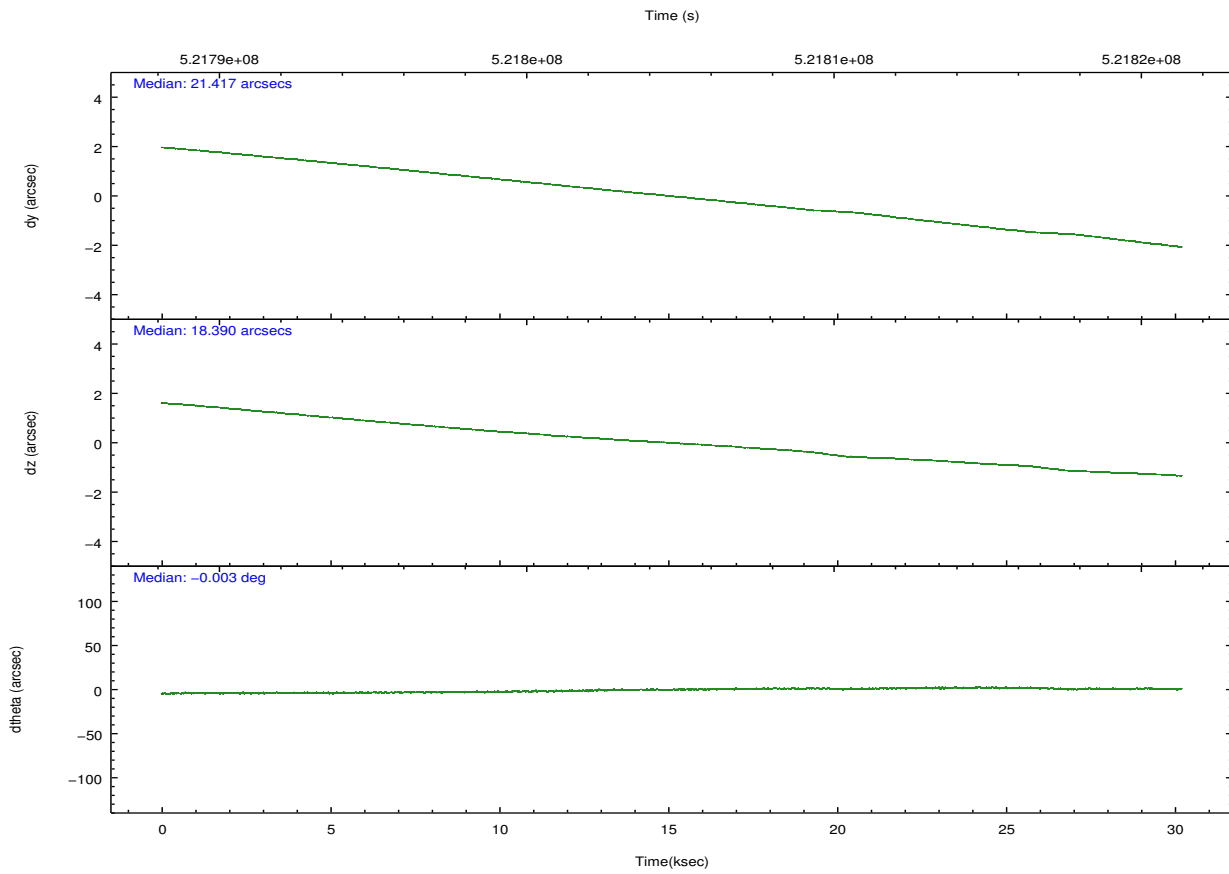
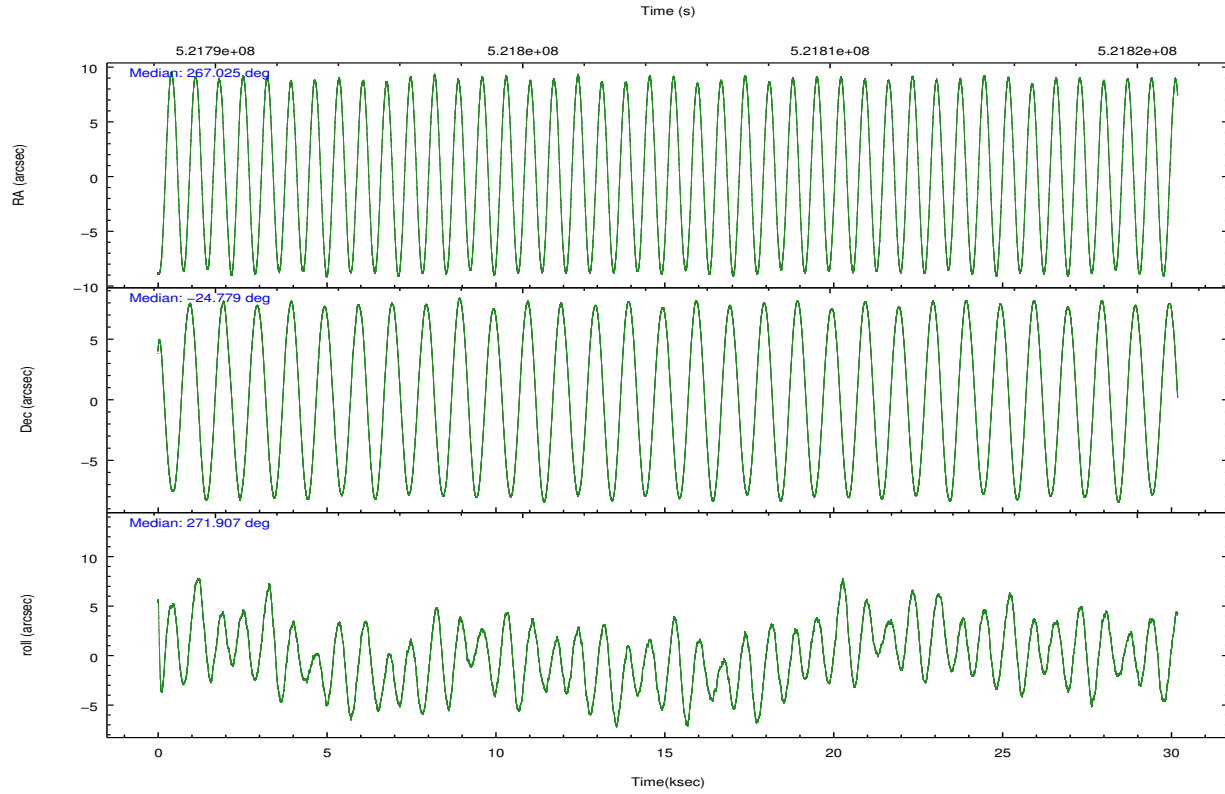
	ccd 7
level 1 events	56676
rejected events	25687
rejected %	45%

	ccd 7
grade 0 events	4051
	7%
grade 1 events	74
	0%
grade 2 events	6593
	11%
grade 3 events	3467
	6%
grade 4 events	3401
	6%
grade 5 events	5350
	9%
grade 6 events	13477
	23%
grade 7 events	20263
	35%

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	267.009159	267.0254784900489	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-24.755661	-24.77875654074962	Subarray start row	384	384
[deg] Pointing Roll	271.748793	271.9122529590012	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	521789815.184000	521789058.21179			
Observation start date	2014-07-15T05:35:48	2014-07-15T05:24:18			
[s] Observation end time (MET)	521819815.184000	521820844.48858			
Observation end date	2014-07-15T13:55:48	2014-07-15T14:14:04			
Read mode	TIMED	TIMED			

2.3 Aspect

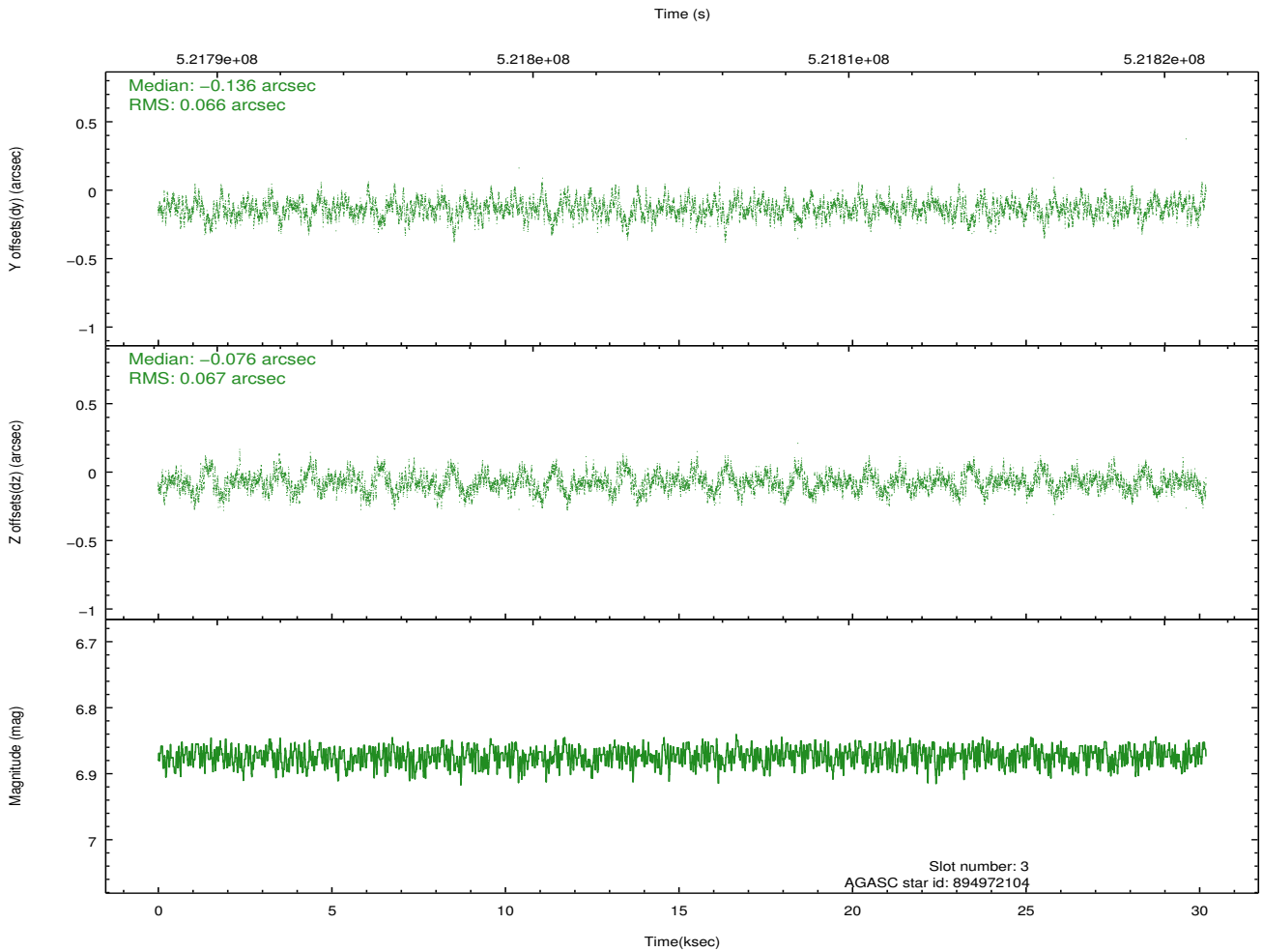
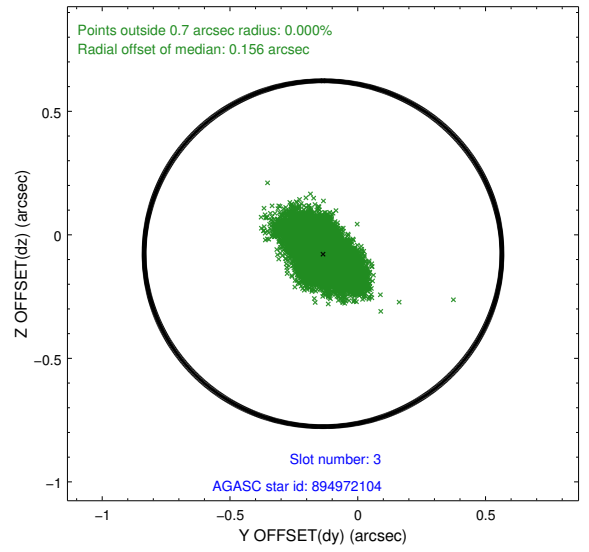
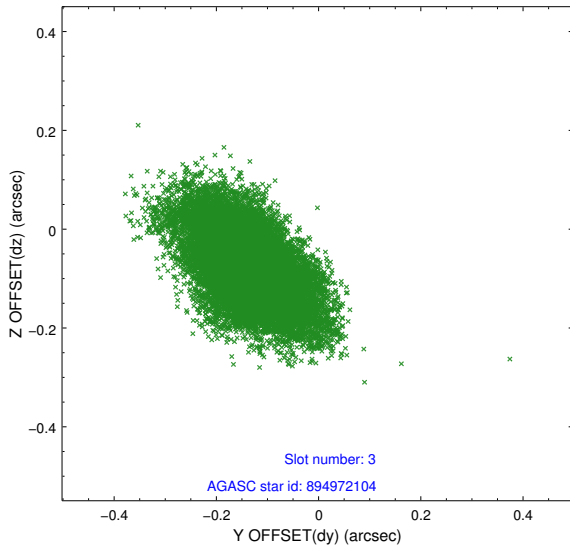


Slot Statistics

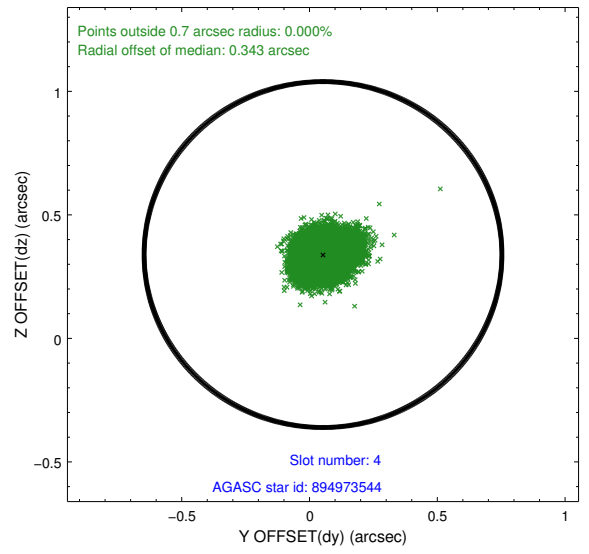
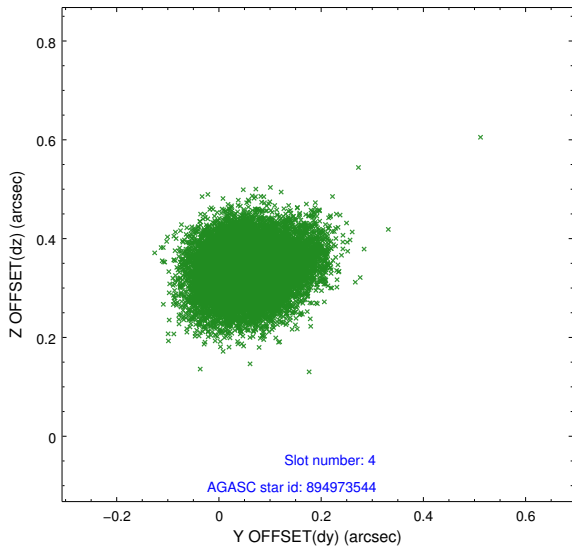
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	7363	-0.131	-0.060	0.014	0.027	0.000000	0.000000	-774.71	-1739.93
1	FID	ACIS-S-4	7.07	7364	0.306	0.080	0.019	0.059	0.000000	0.000000	2139.01	168.57
2	FID	ACIS-S-5	7.09	7364	-0.207	-0.011	0.021	0.045	0.000000	0.000000	-1827.51	162.29
3	GUIDE	894972104	6.87	14727	-0.136	-0.076	0.097	0.172	267.489380	-24.207054	-1922.76	1635.43
4	GUIDE	894973544	8.05	14726	0.053	0.339	0.078	0.130	266.605572	-24.141151	-2249.15	-1257.66
5	GUIDE	895485920	8.65	14716	0.145	0.100	0.103	0.175	266.932426	-25.188840	1551.45	-297.13
6	GUIDE	895486672	9.00	14718	-0.241	-0.219	0.094	0.154	267.522168	-25.216127	1711.64	1619.18
7	GUIDE	895489704	8.79	14719	0.189	-0.142	0.168	0.270	266.328076	-25.361339	2119.28	-2280.84

2.4 Star Slots

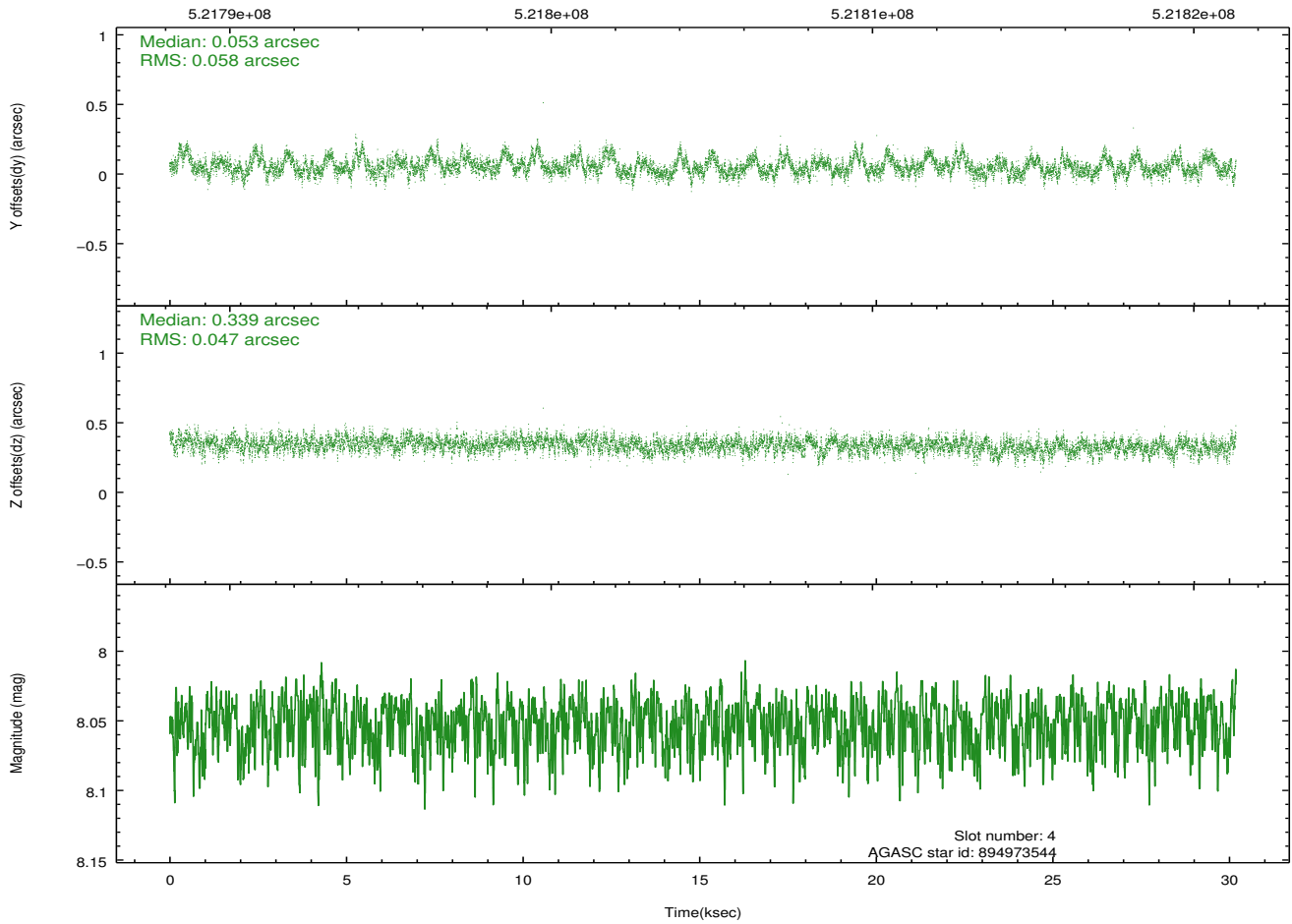
2.4.1 Slot 3



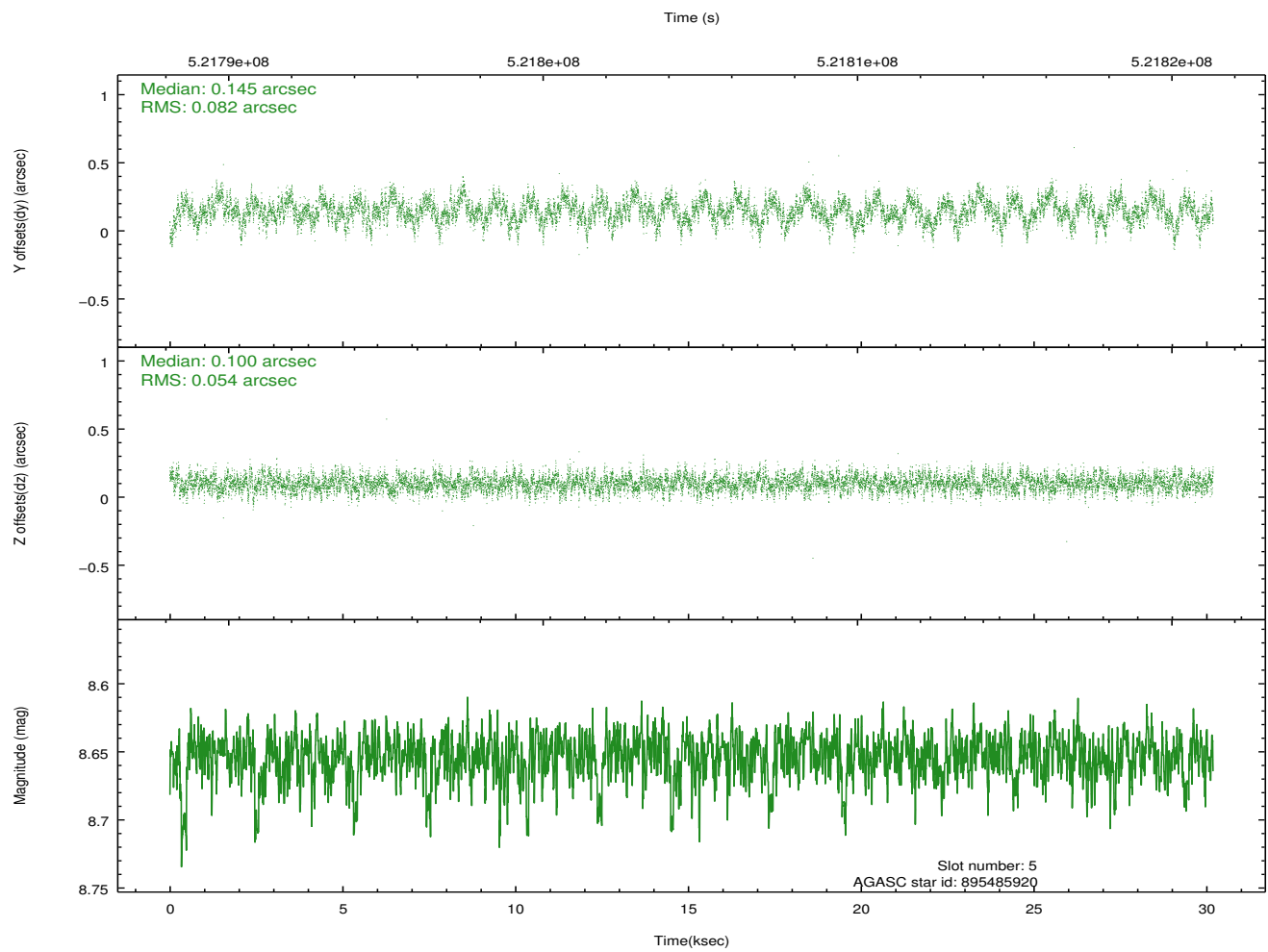
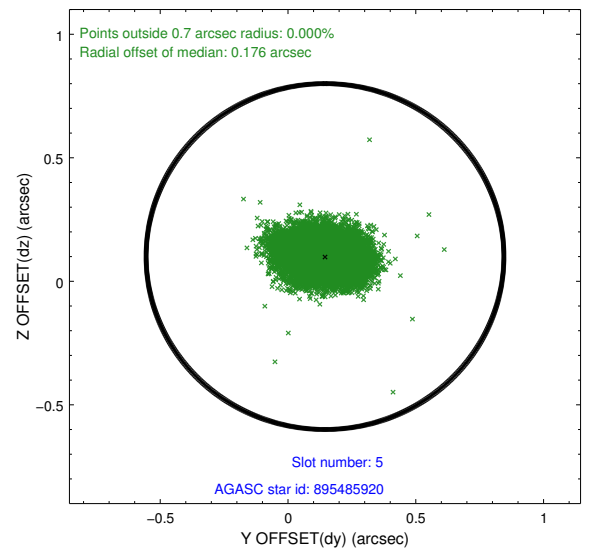
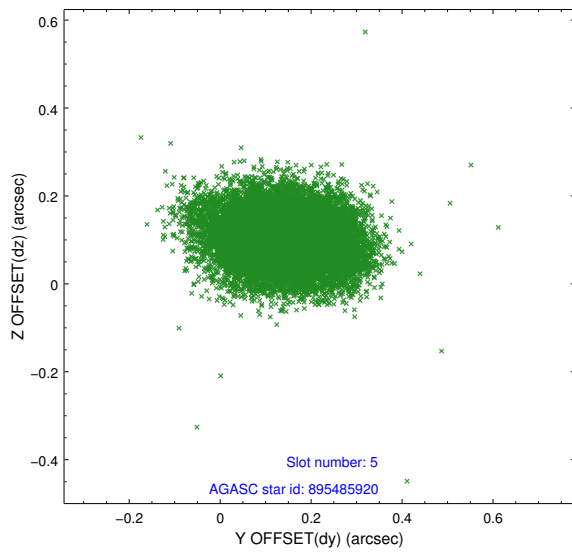
2.4.2 Slot 4



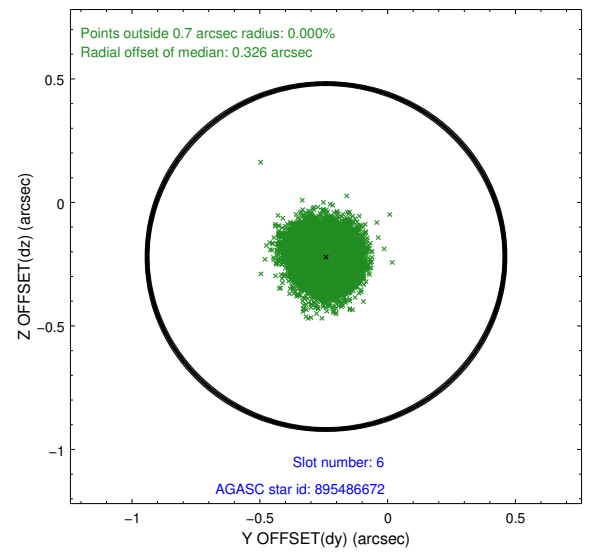
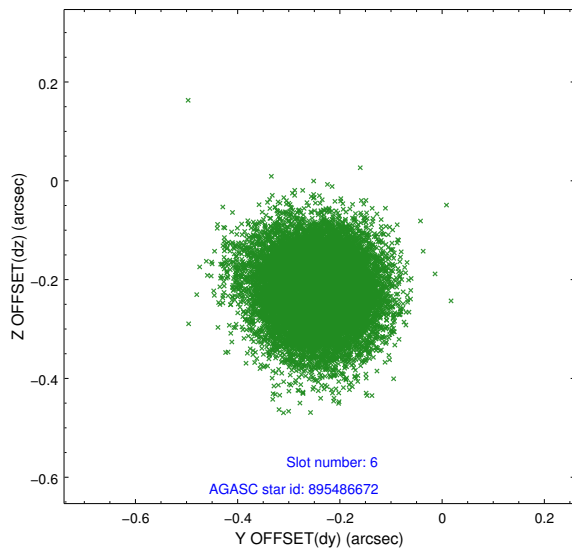
Time (s)



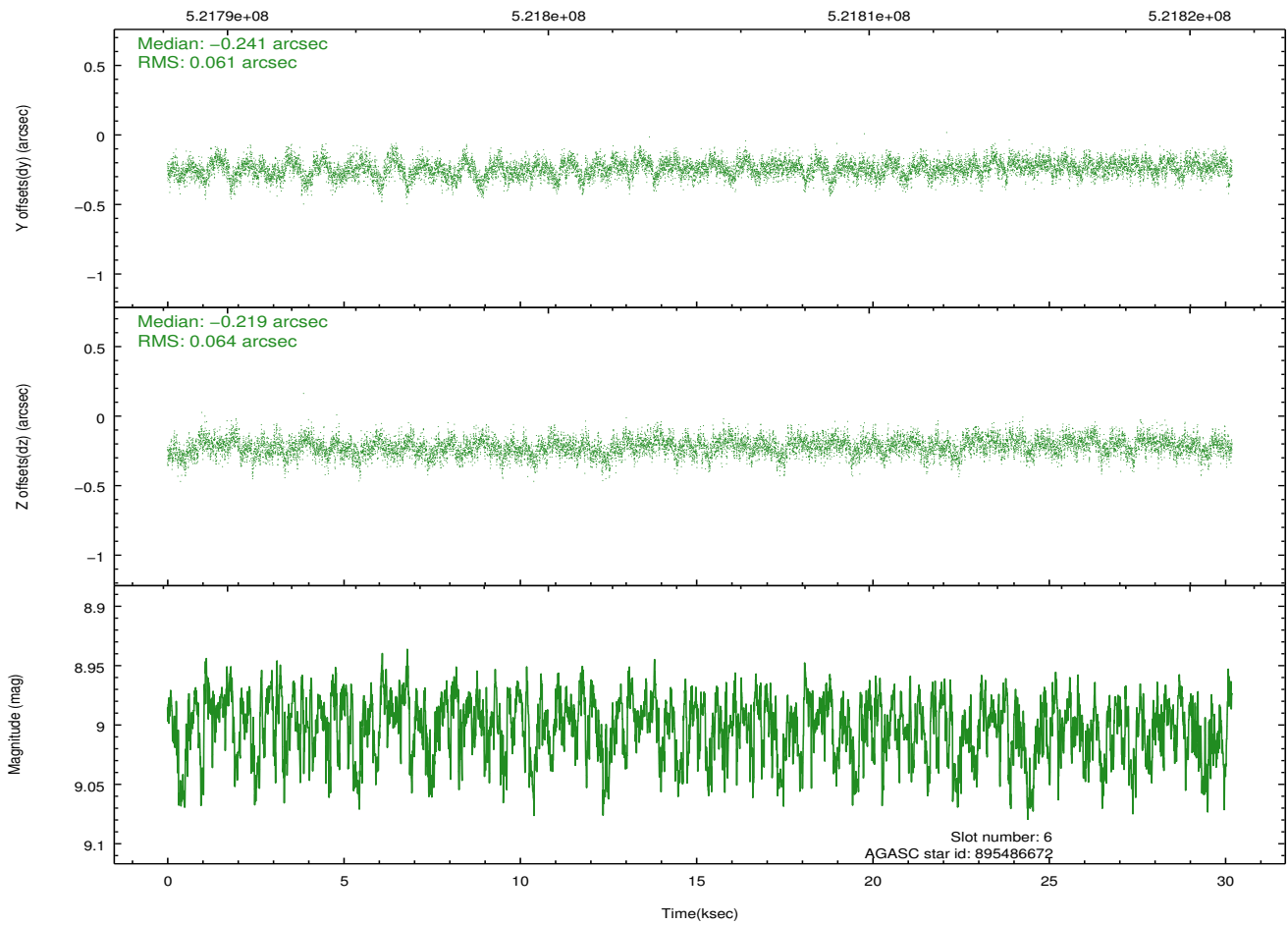
2.4.3 Slot 5



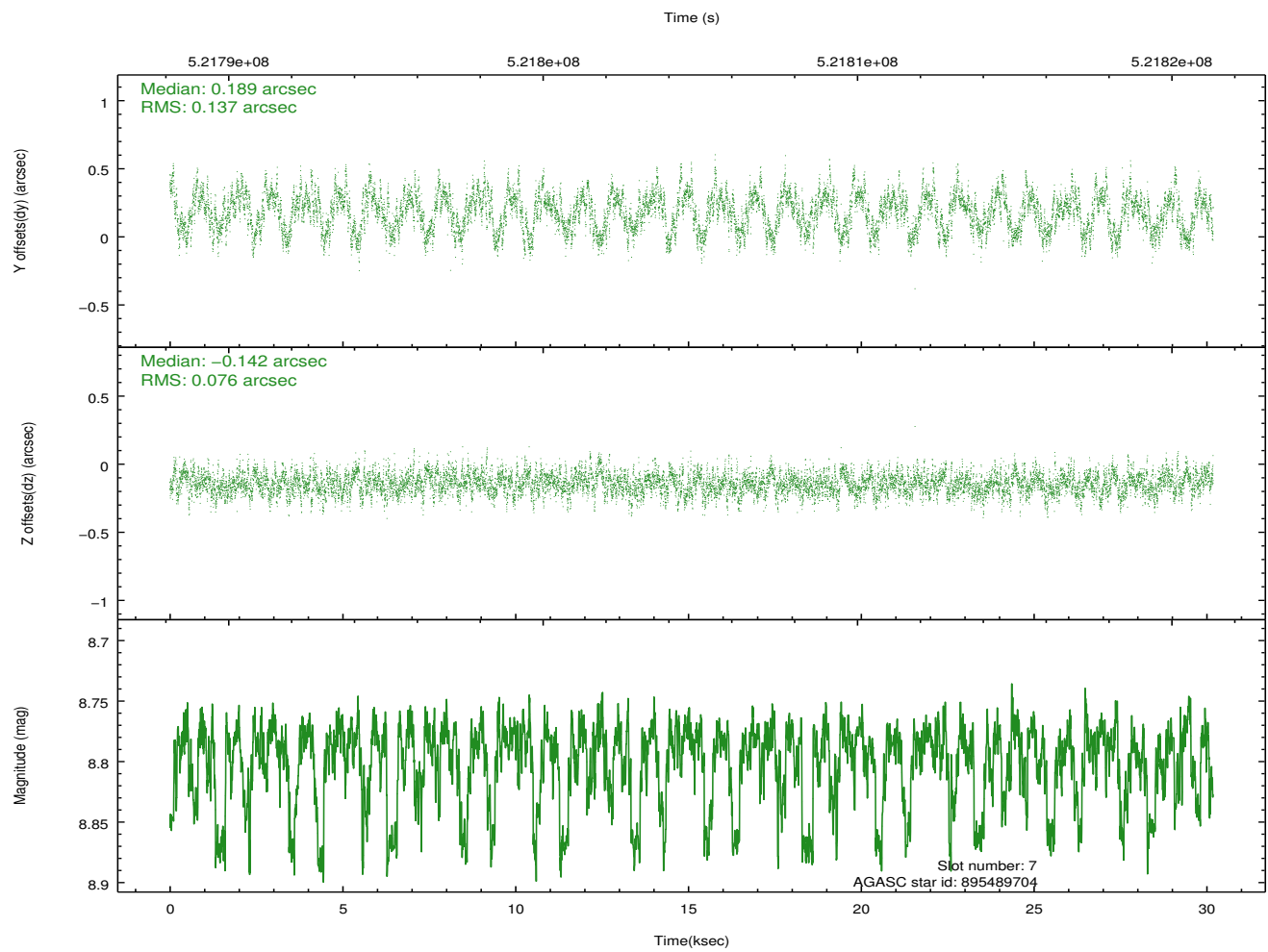
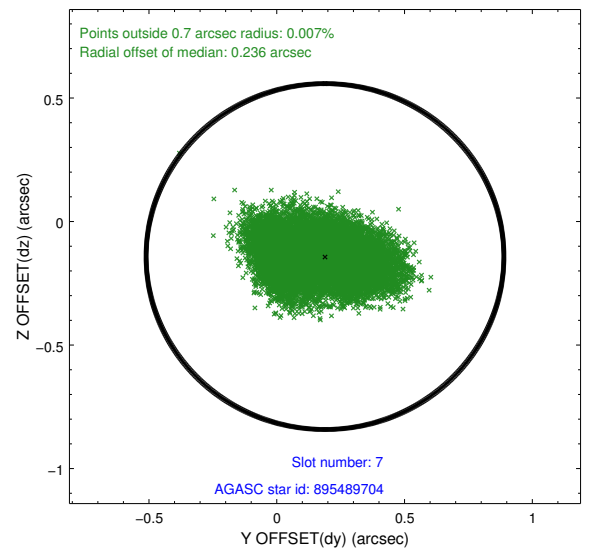
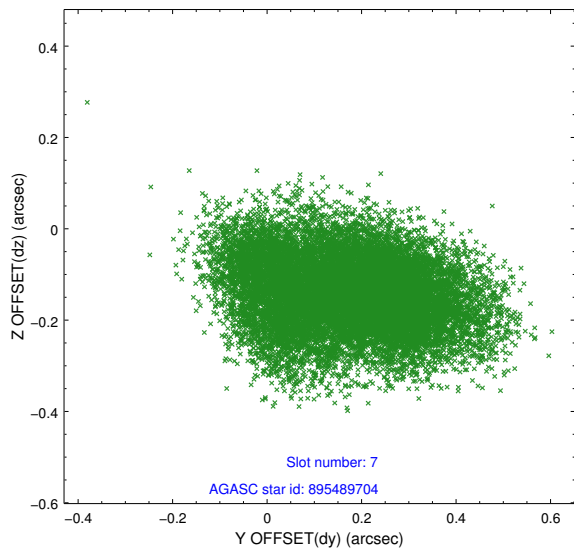
2.4.4 Slot 6



Time (s)

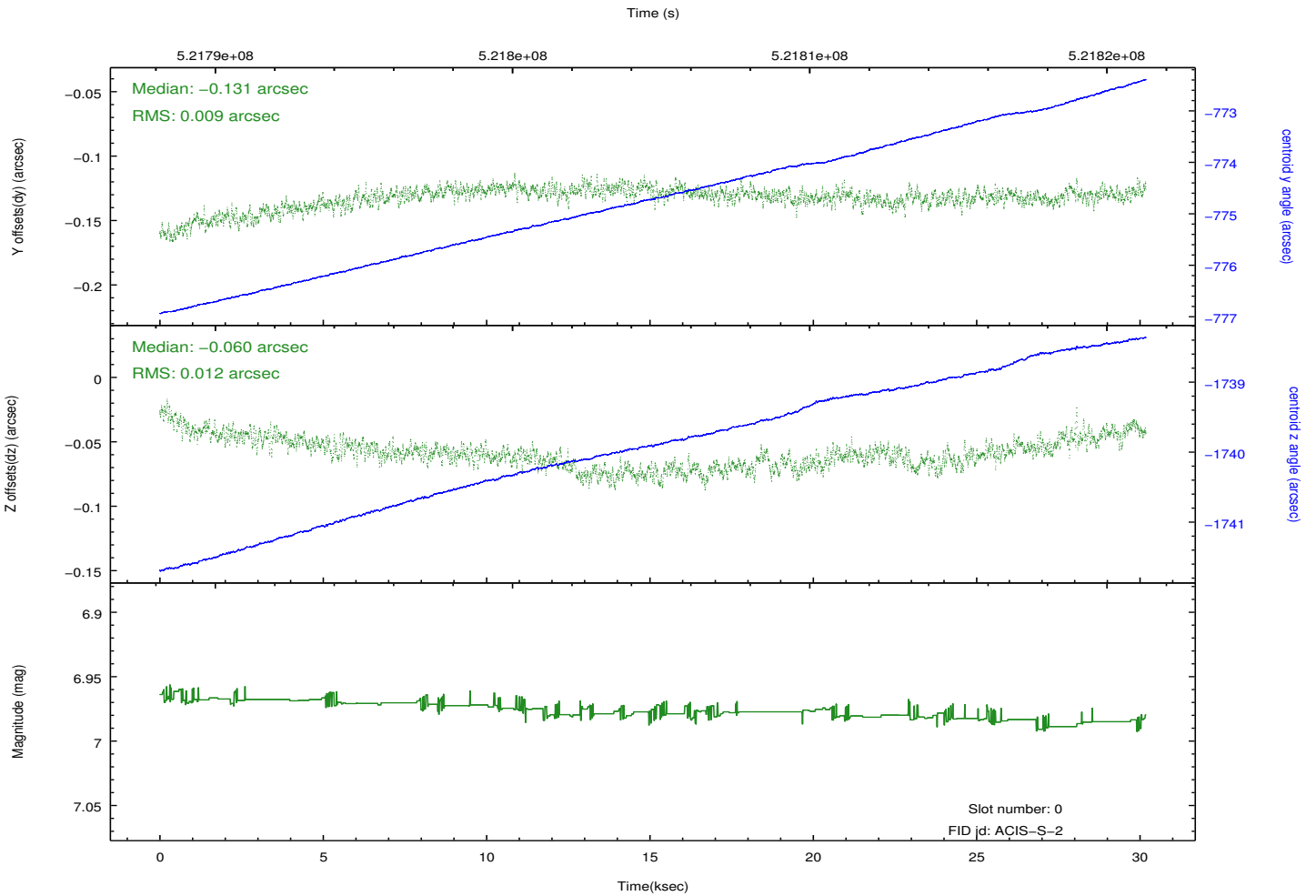
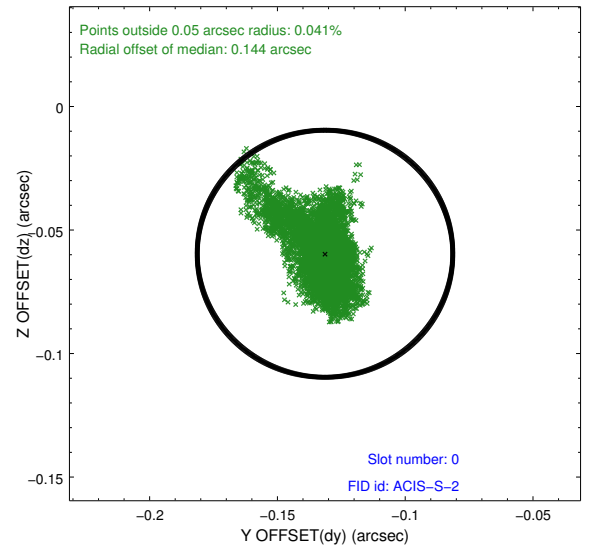
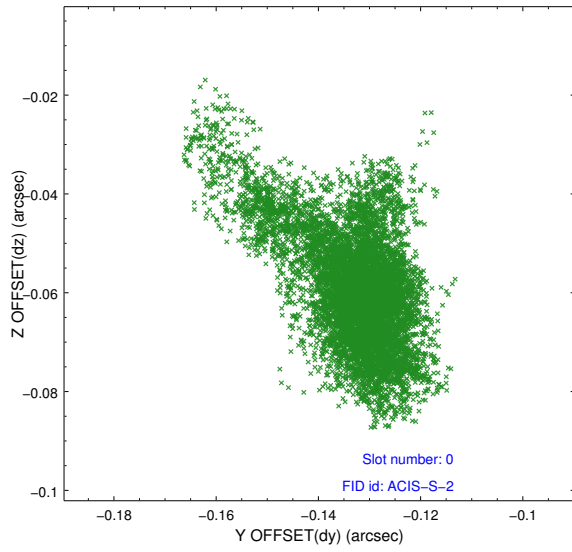


2.4.5 Slot 7

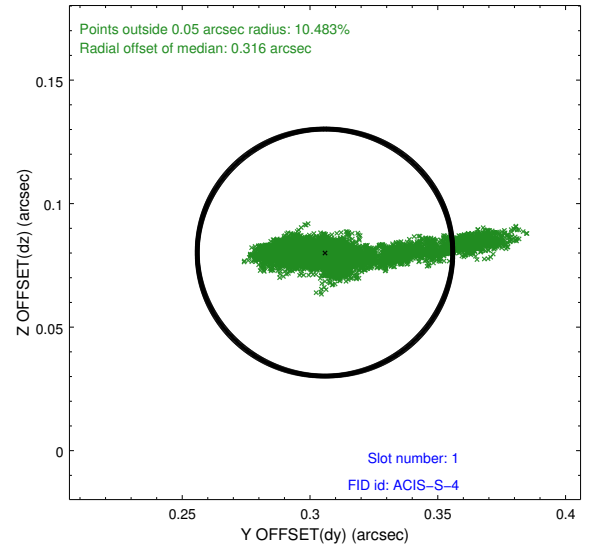
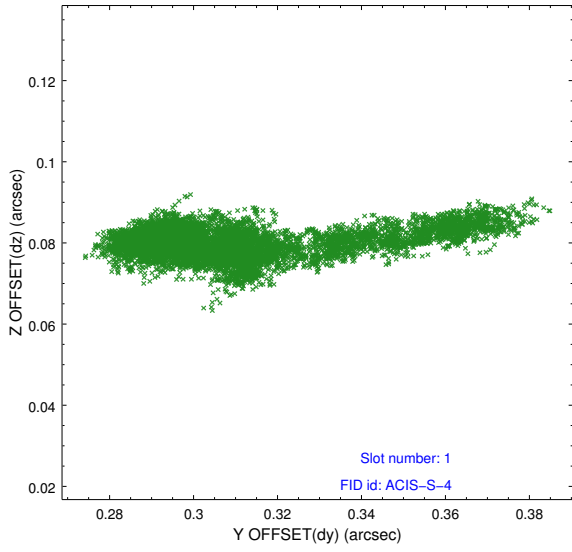


2.5 FID Slots

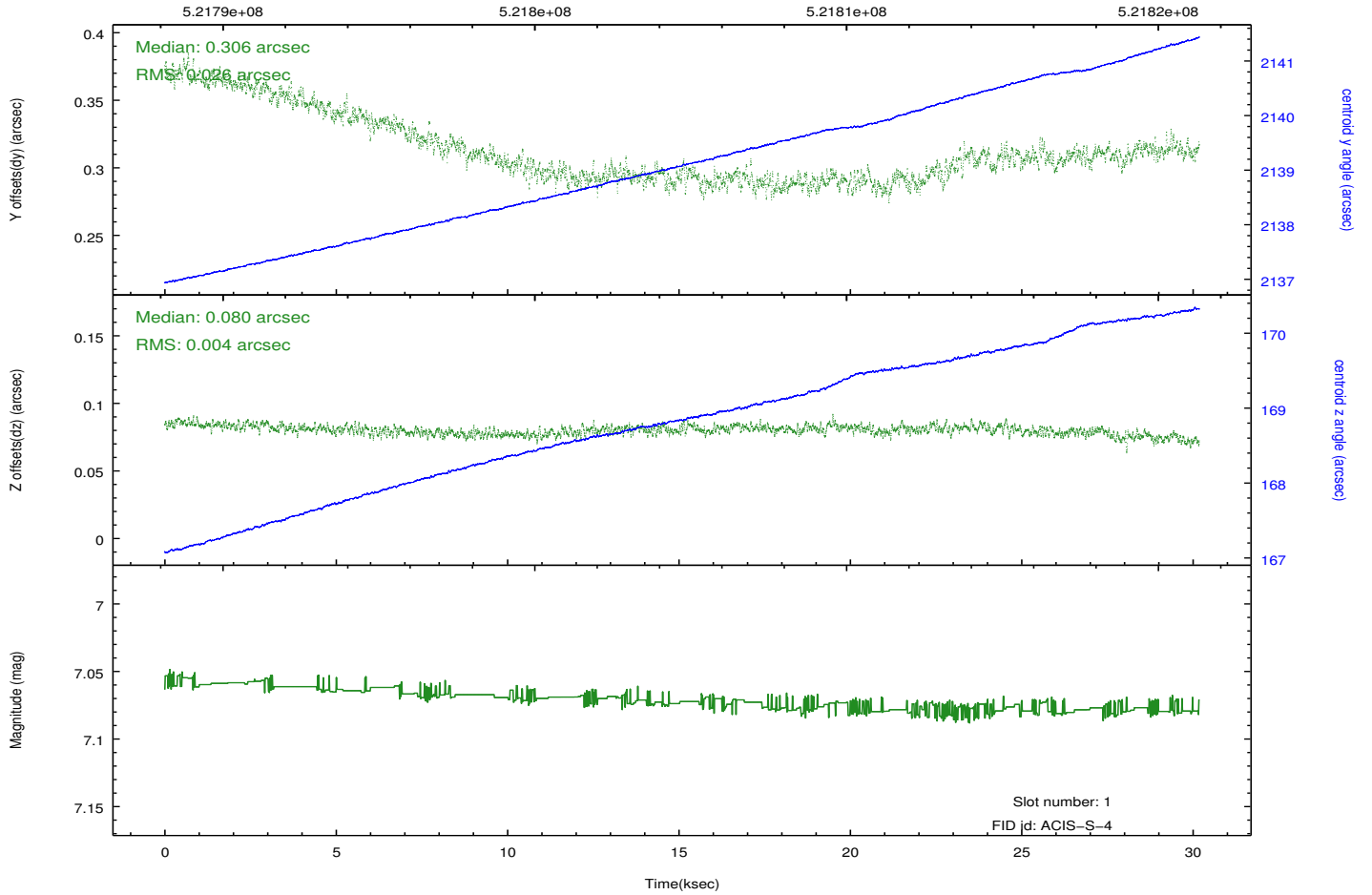
2.5.1 Slot 0



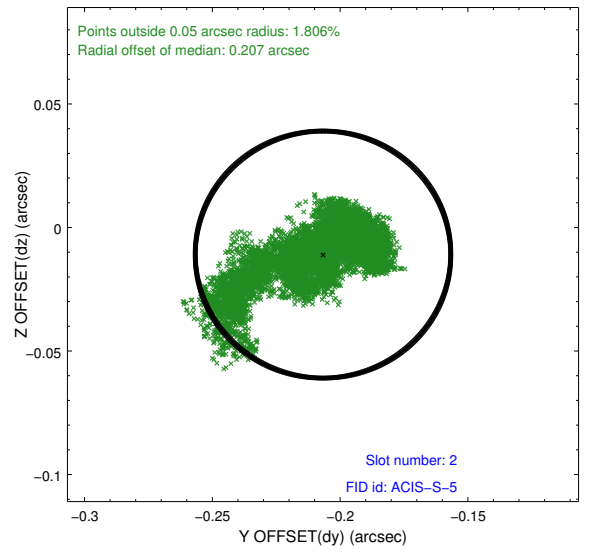
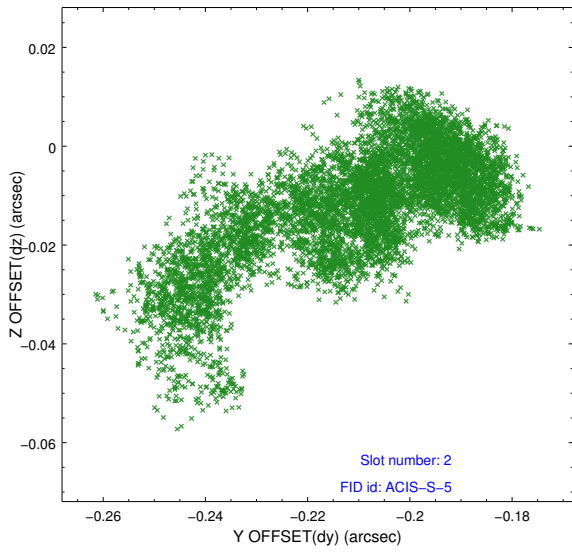
2.5.2 Slot 1



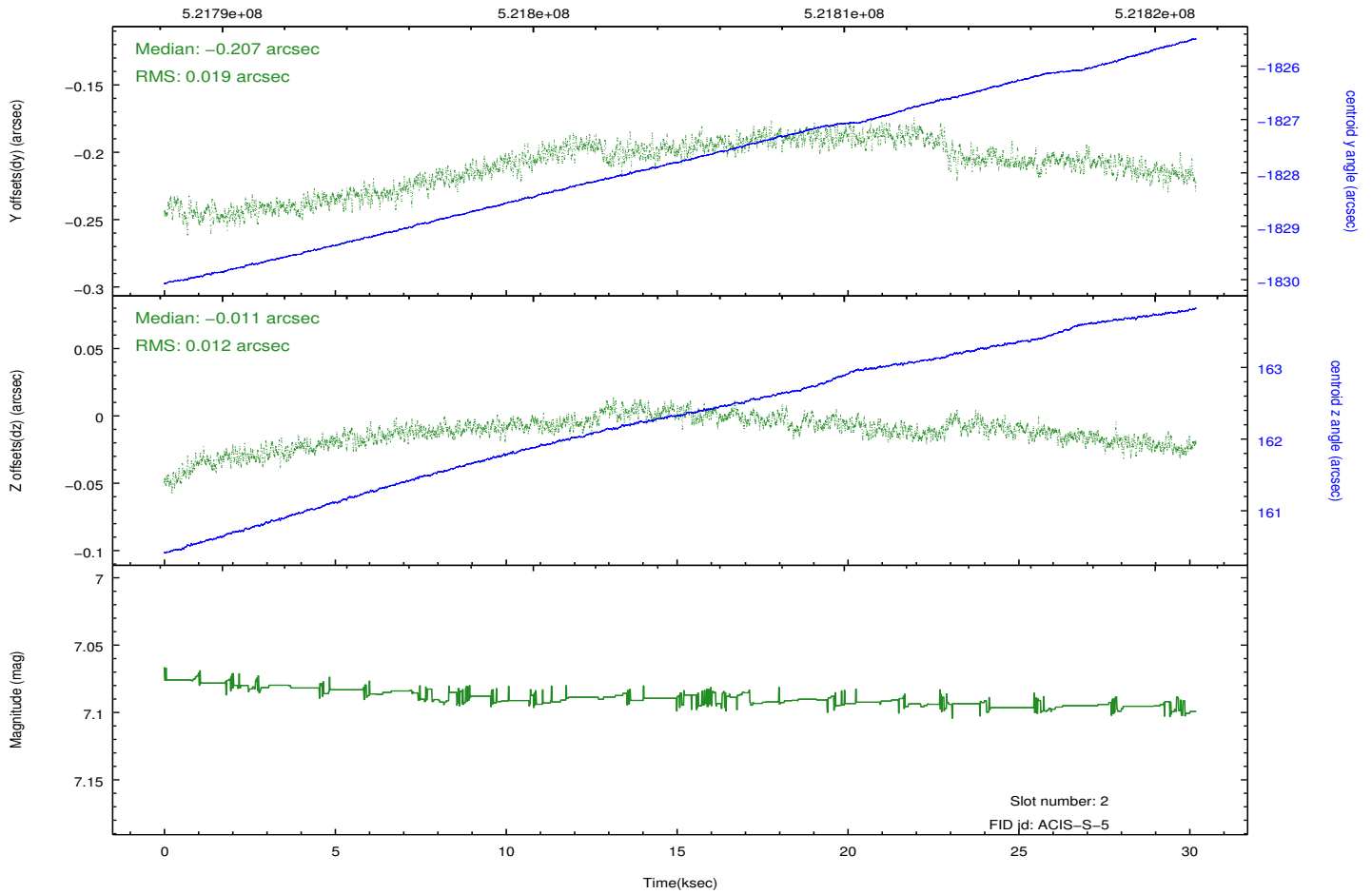
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.063200448036

A.2 Comments