

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17464 - L2 Version 1
Chandra X-Ray Center

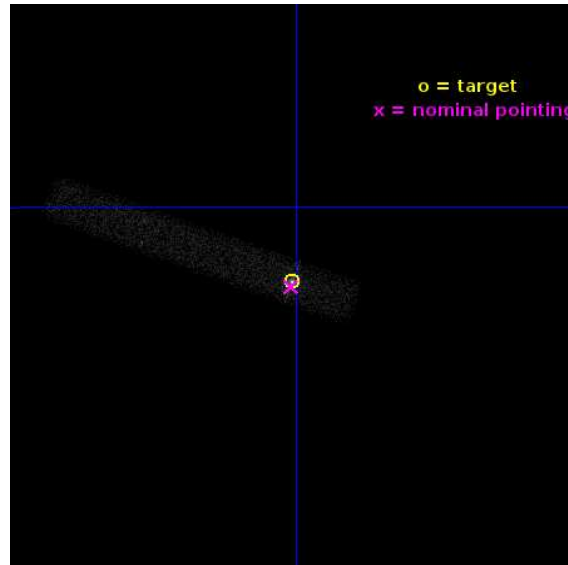
L2 Processing Date : May 9 2016

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1 Front

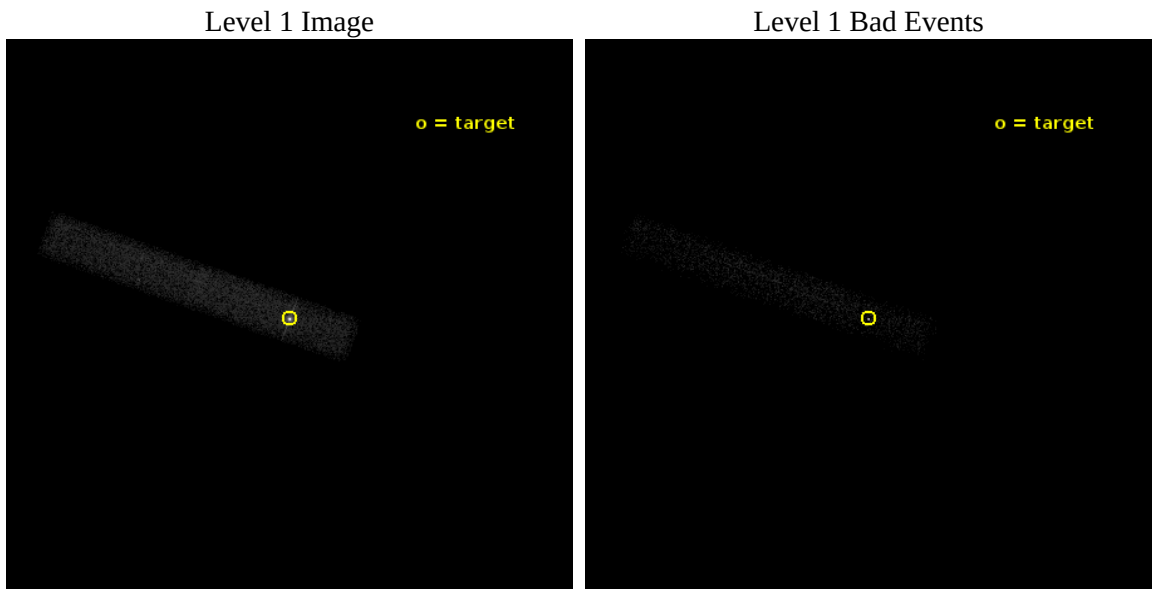
seq_num	703141	Sequence number
obs_id	17464	Observation id
title	Imaging AGN feedback in action: The extended X-ray emission of 1H 0419-577	Proposal title
observer	Prof Jelle Kaastra	Principal investigator
object	1H 0419-577	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	66.502917	Observer's specified target RA [deg]
dec_targ	-57.200278	Observer's specified target Dec [deg]
ra_nom	66.503197669425	Nominal RA [deg]
dec_nom	-57.202836841573	Nominal Dec [deg]
roll_nom	200.15683682623	Nominal Roll [deg]
revision	1	Processing version of data
ontime	22068.398684502	Sum of GTIs [s]
livetime	20014.872741249	Livetime [s]
ontime7	22068.398684502	Sum of GTIs [s]
l2events	33543	Number of level 2 events



2 OBI

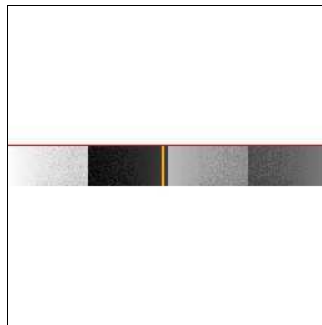
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	22068.398684502	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	22068.398684502	Sum of GTIs [s]
date	2016-05-09T10:33:27	Date and time of file creation	l1events	48211	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

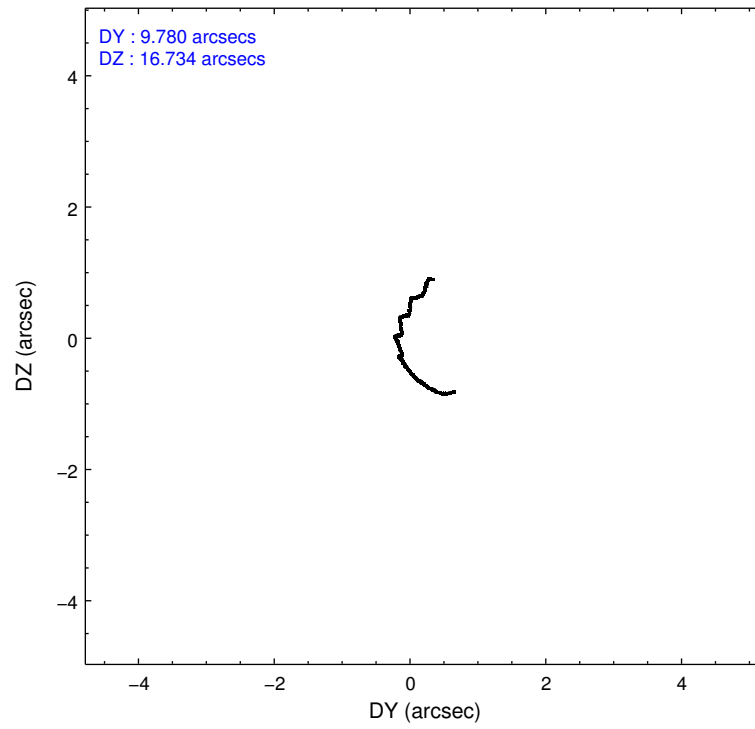
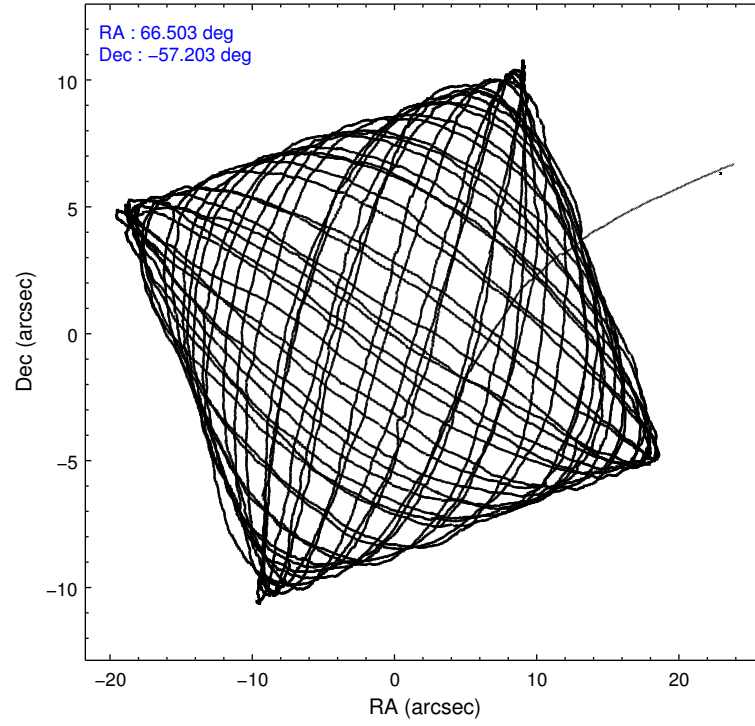
	ccd 7
level 1 events	48211
rejected events	14181
rejected %	29%

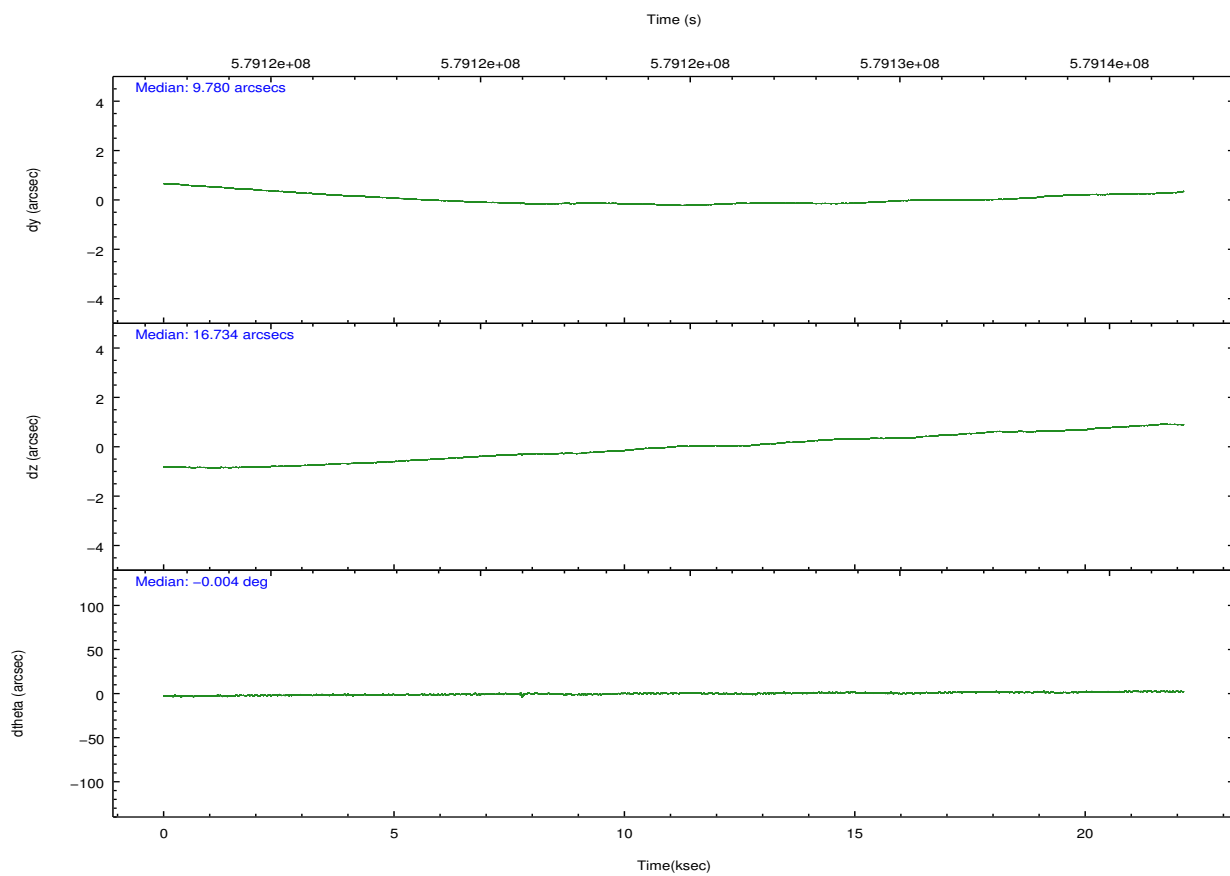
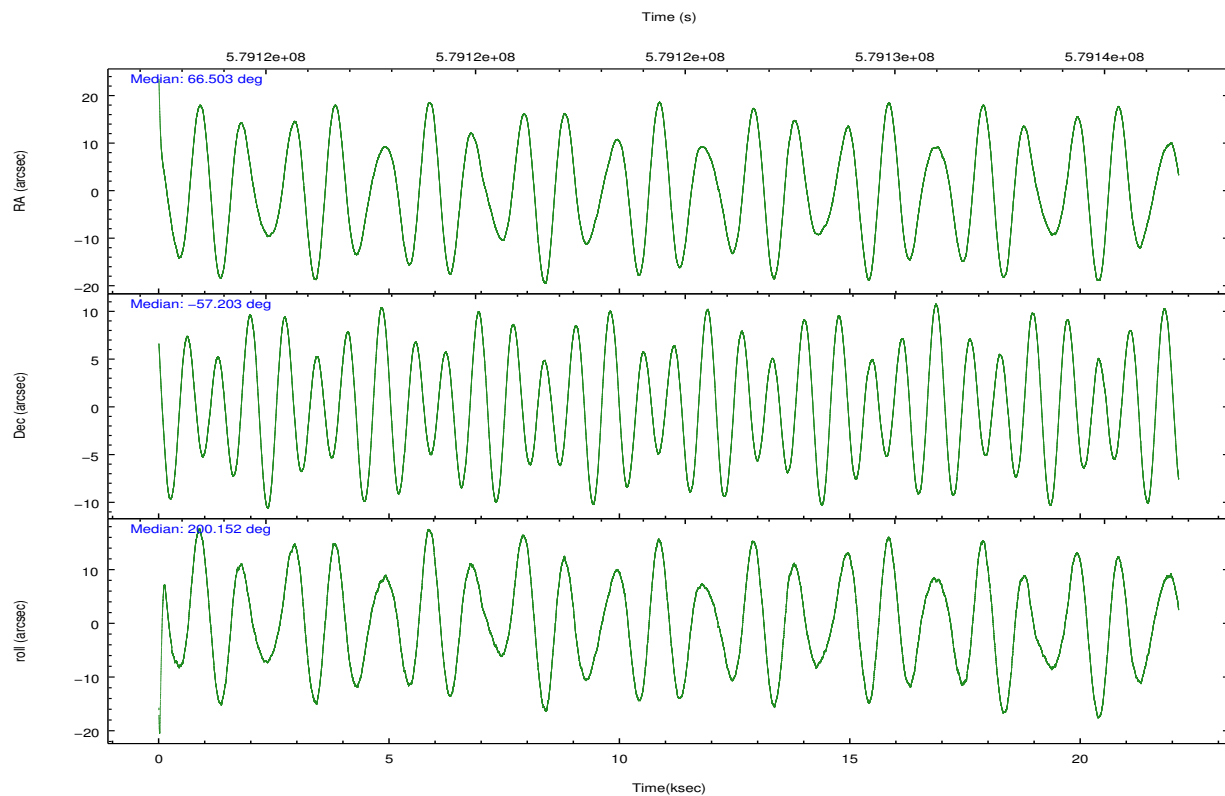
	ccd 7
grade 0 events	7651
	15%
grade 1 events	255
	0%
grade 2 events	7506
	15%
grade 3 events	3900
	8%
grade 4 events	3998
	8%
grade 5 events	3120
	6%
grade 6 events	10977
	22%
grade 7 events	10804
	22%

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	66.535112	66.50319766942459	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-57.181535	-57.20283684157255	Subarray start row	449	449
[deg] Pointing Roll	200.027065	200.156836826227	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	579113675.184000	579112524.89652			
Observation start date	2016-05-08T16:53:27	2016-05-08T16:35:24			
[s] Observation end time (MET)	579135675.184000	579136777.9354			
Observation end date	2016-05-08T23:00:07	2016-05-08T23:19:37			
Read mode	TIMED	TIMED			

2.3 Aspect



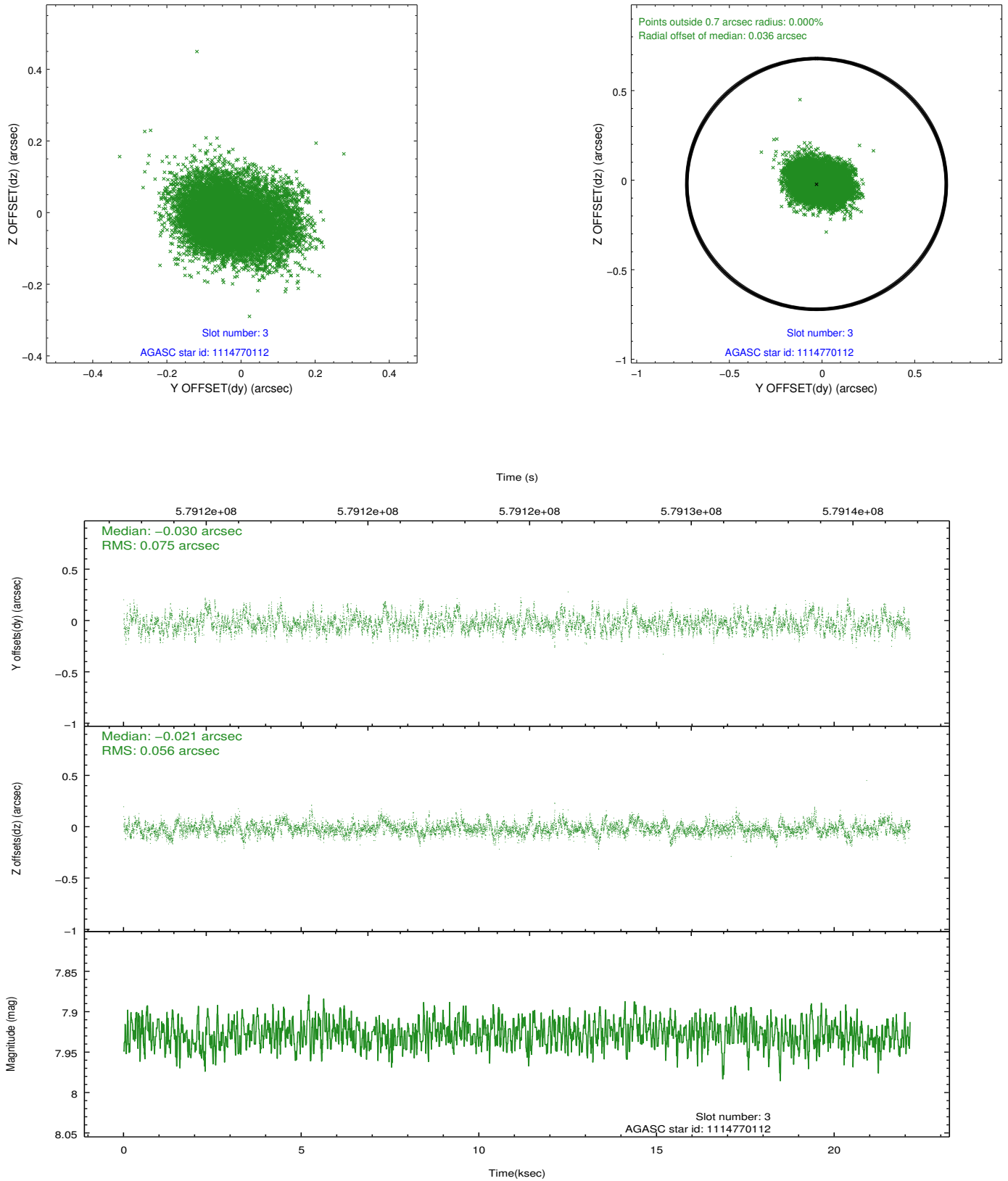


Slot Statistics

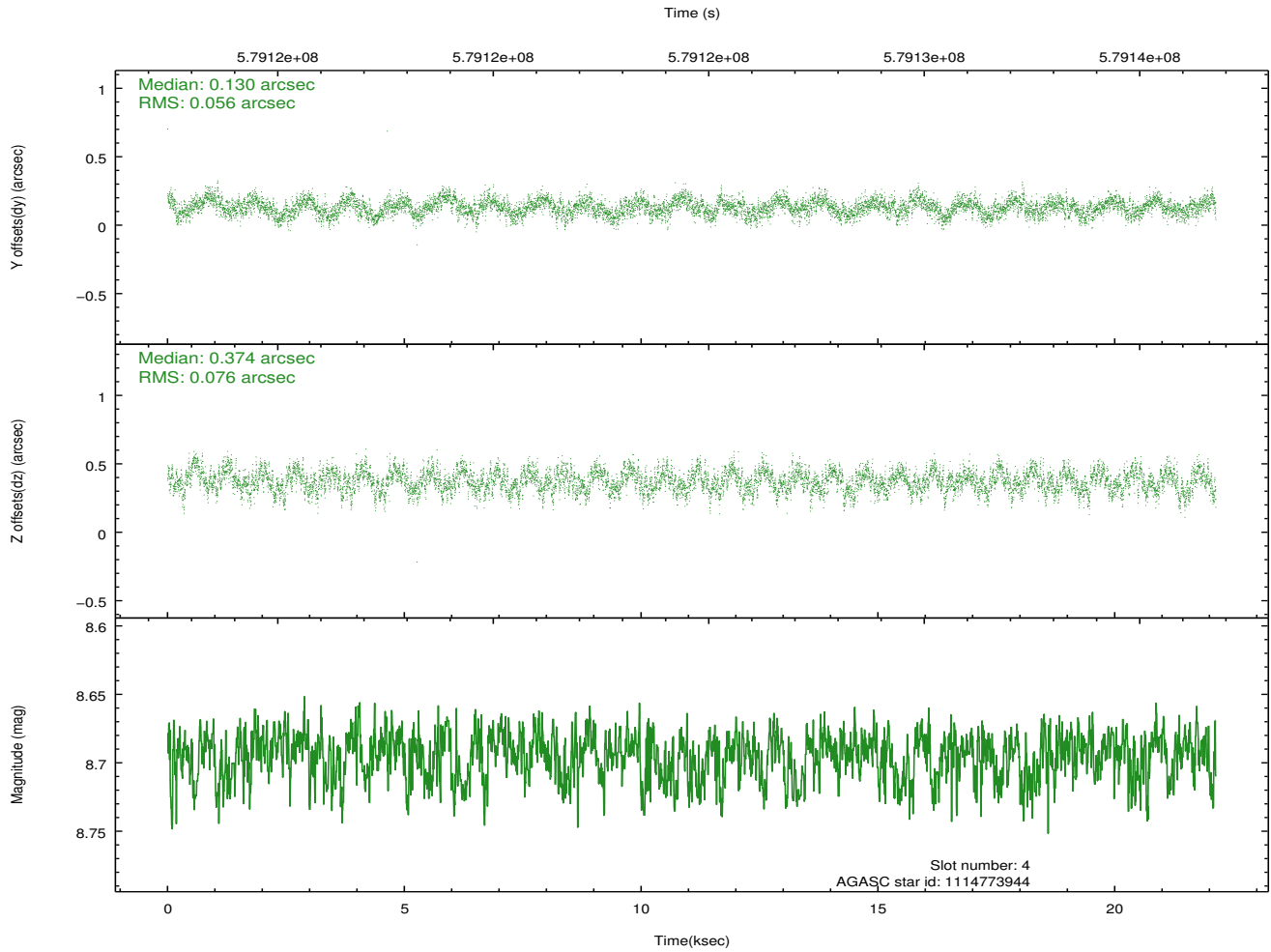
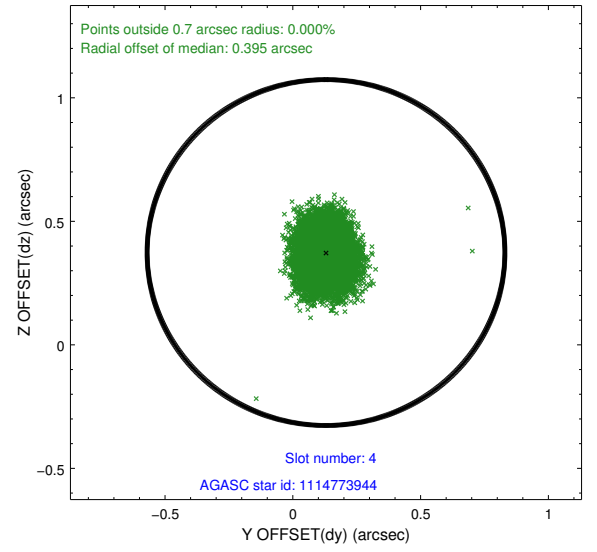
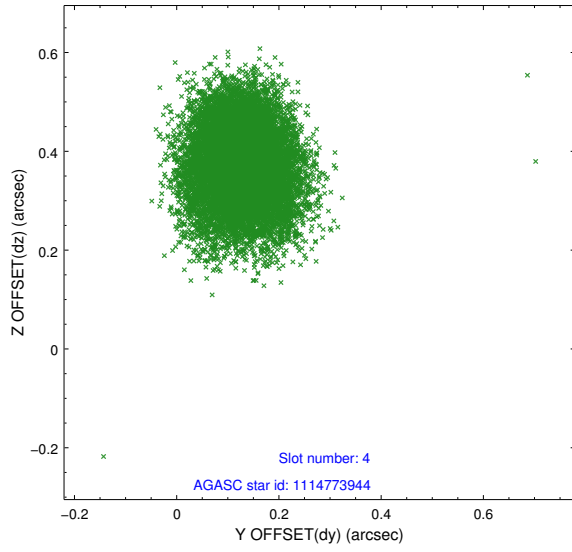
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	5398	-0.138	-0.081	0.024	0.037	0.000000	0.000000	-762.80	-1738.20
1	FID		ACIS-S-4	7.22	5398	0.382	0.090	0.012	0.018	0.000000	0.000000	2150.93	170.29
2	FID		ACIS-S-5	7.24	5399	-0.273	0.001	0.020	0.035	0.000000	0.000000	-1815.58	164.05
3	GUIDE	used	1114770112	7.93	10793	-0.030	-0.021	0.098	0.168	66.028764	-57.253162	1016.12	-91.72
4	GUIDE	used	1114773944	8.69	10785	0.130	0.374	0.101	0.159	66.502808	-56.526201	-746.74	-2237.87
5	GUIDE	used	1115162632	8.04	10797	-0.200	-0.496	0.068	0.111	66.334116	-57.746253	1058.97	1777.69
6	GUIDE	used	1114775680	9.23	10791	0.133	0.122	0.115	0.182	66.637879	-56.444884	-1099.49	-2421.02
7	GUIDE	used	1115687416	7.72	10790	-0.036	0.019	0.089	0.151	67.323347	-57.187767	-1433.40	555.93

2.4 Star Slots

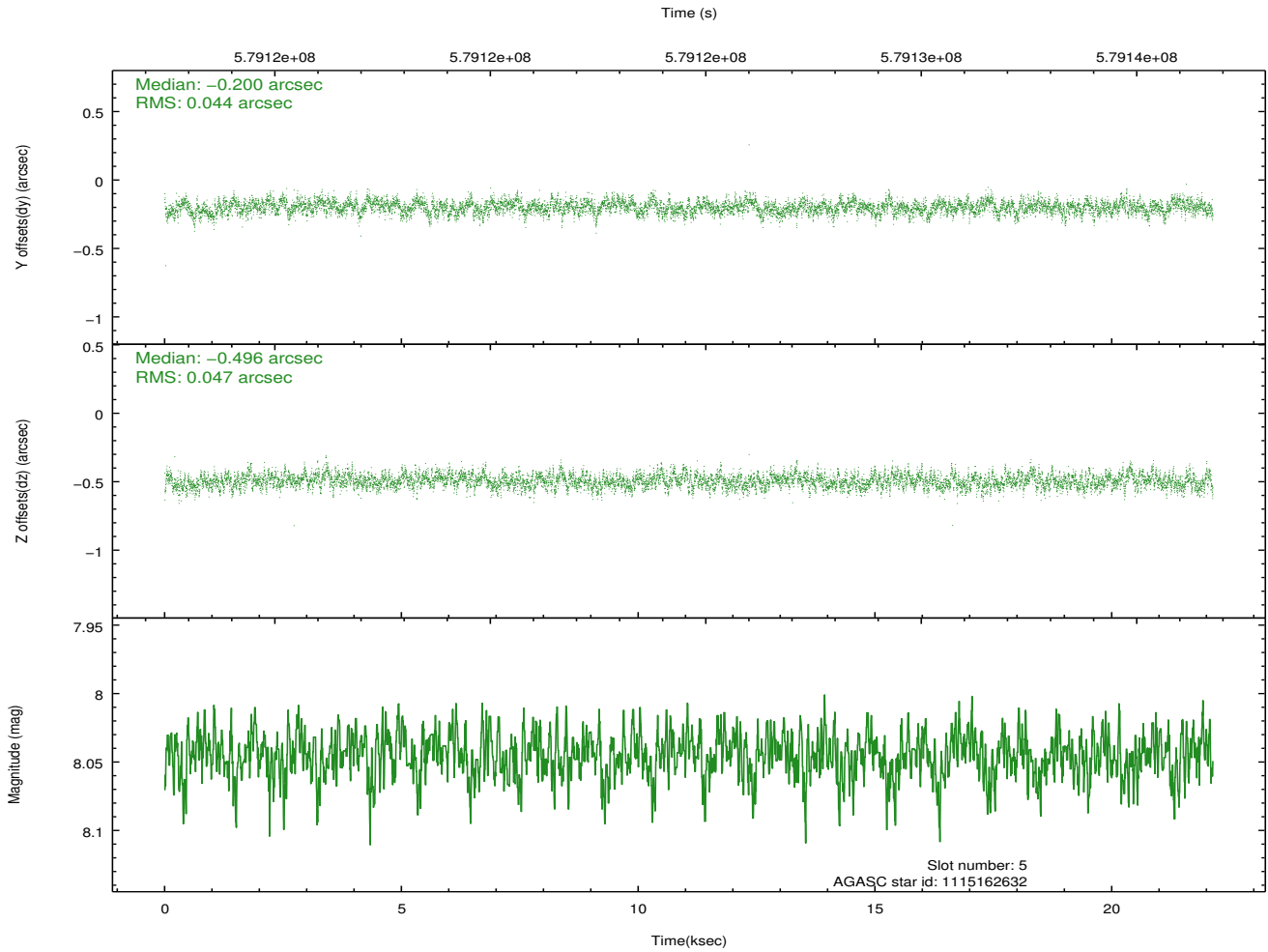
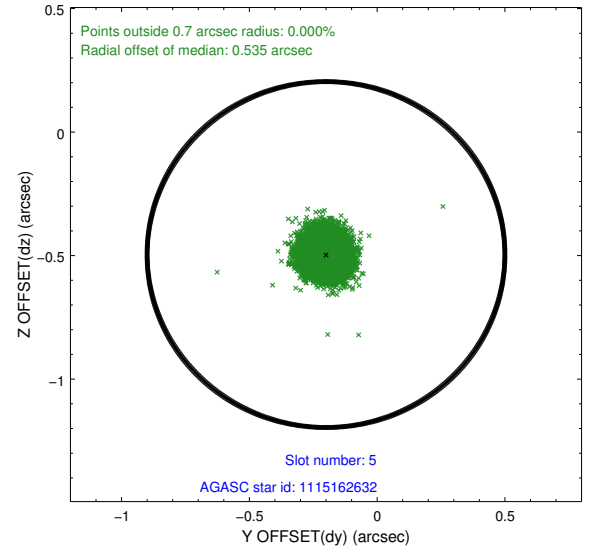
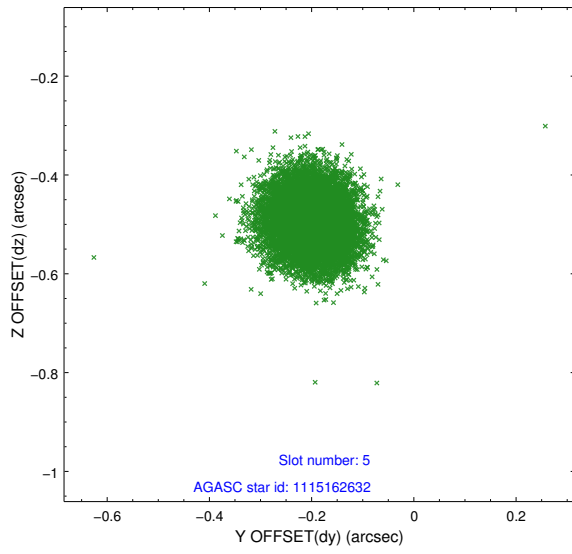
2.4.1 Slot 3



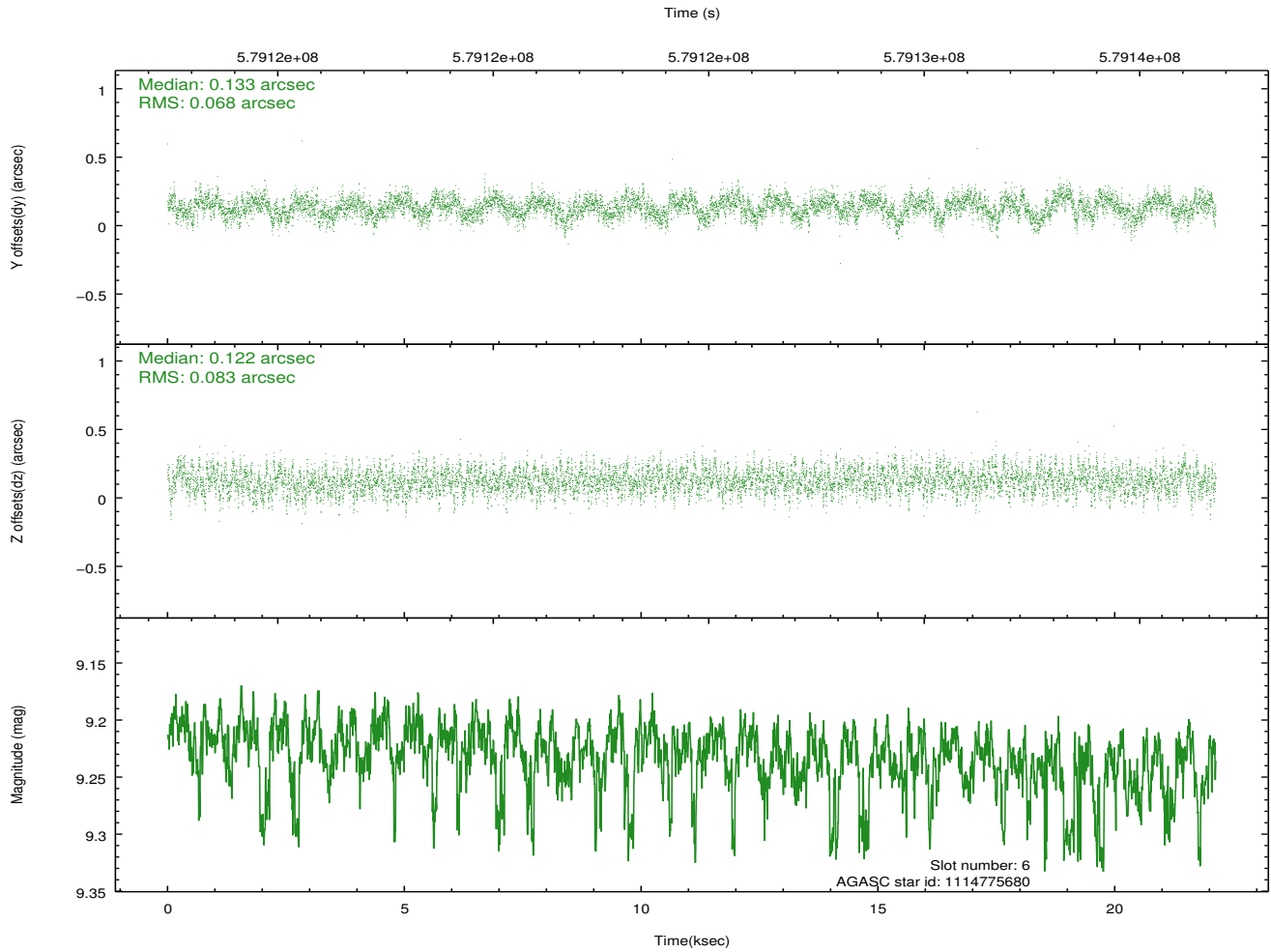
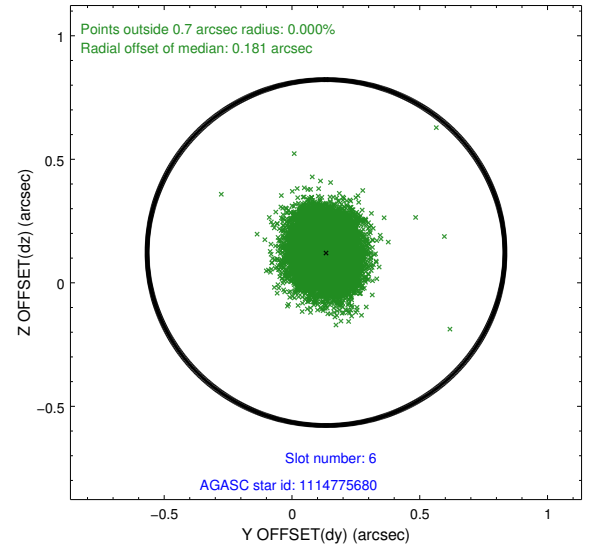
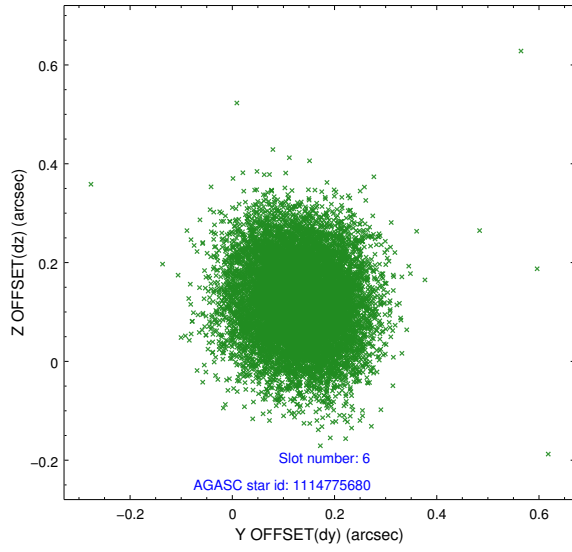
2.4.2 Slot 4



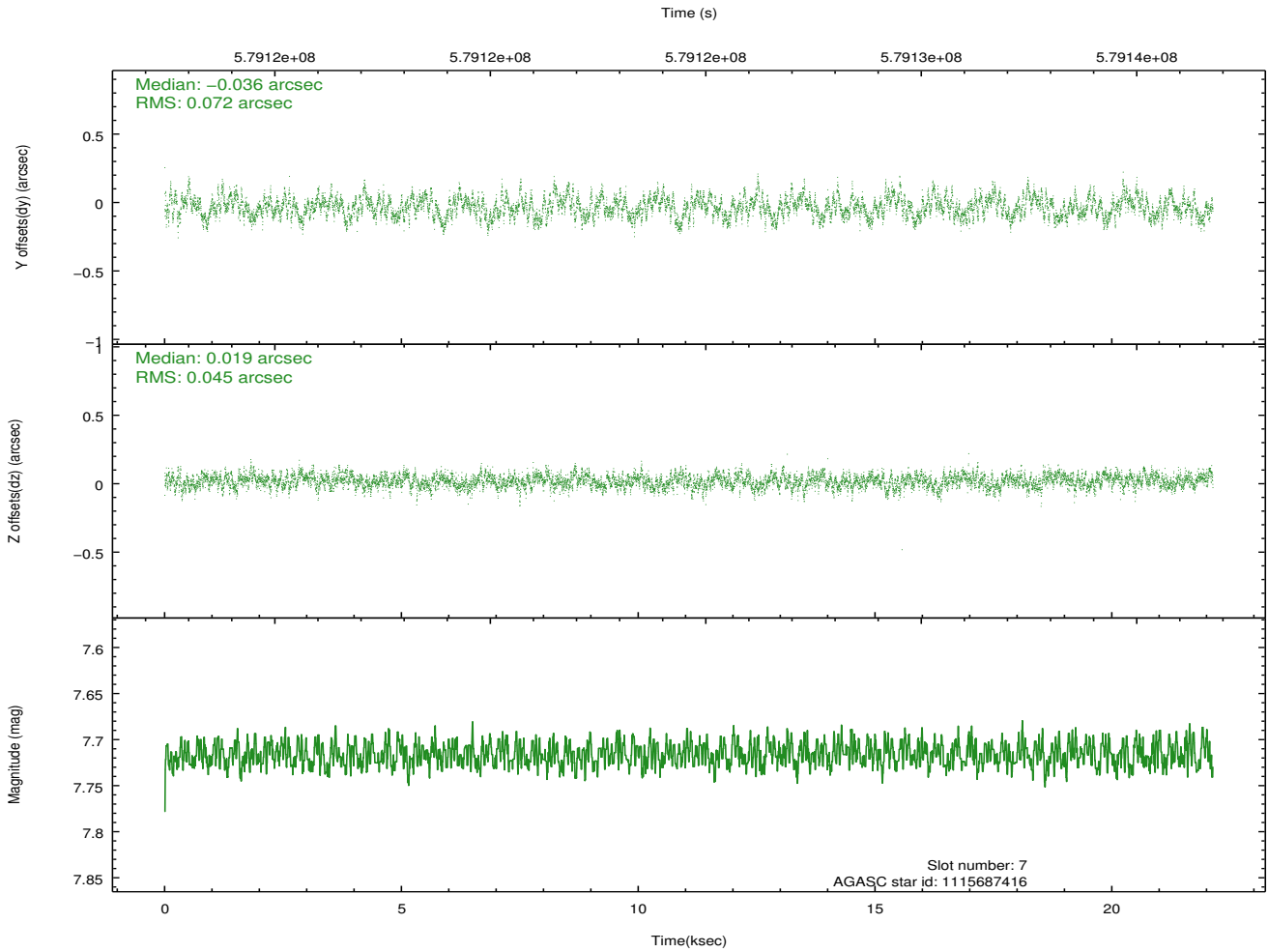
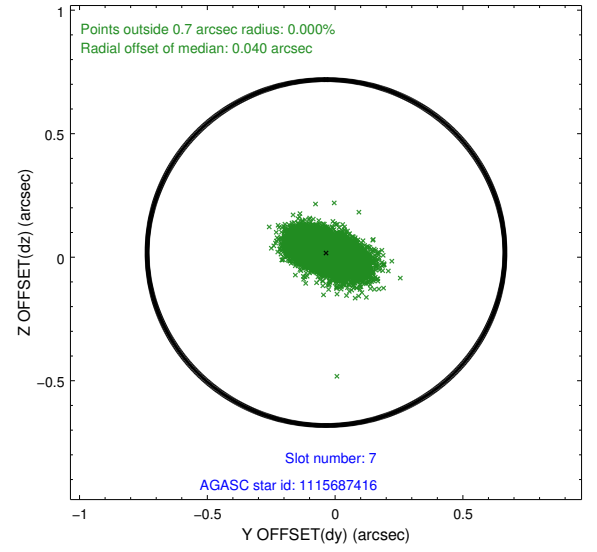
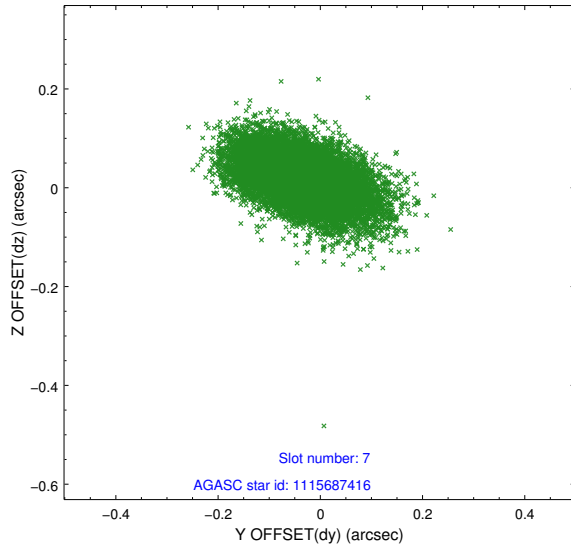
2.4.3 Slot 5



2.4.4 Slot 6

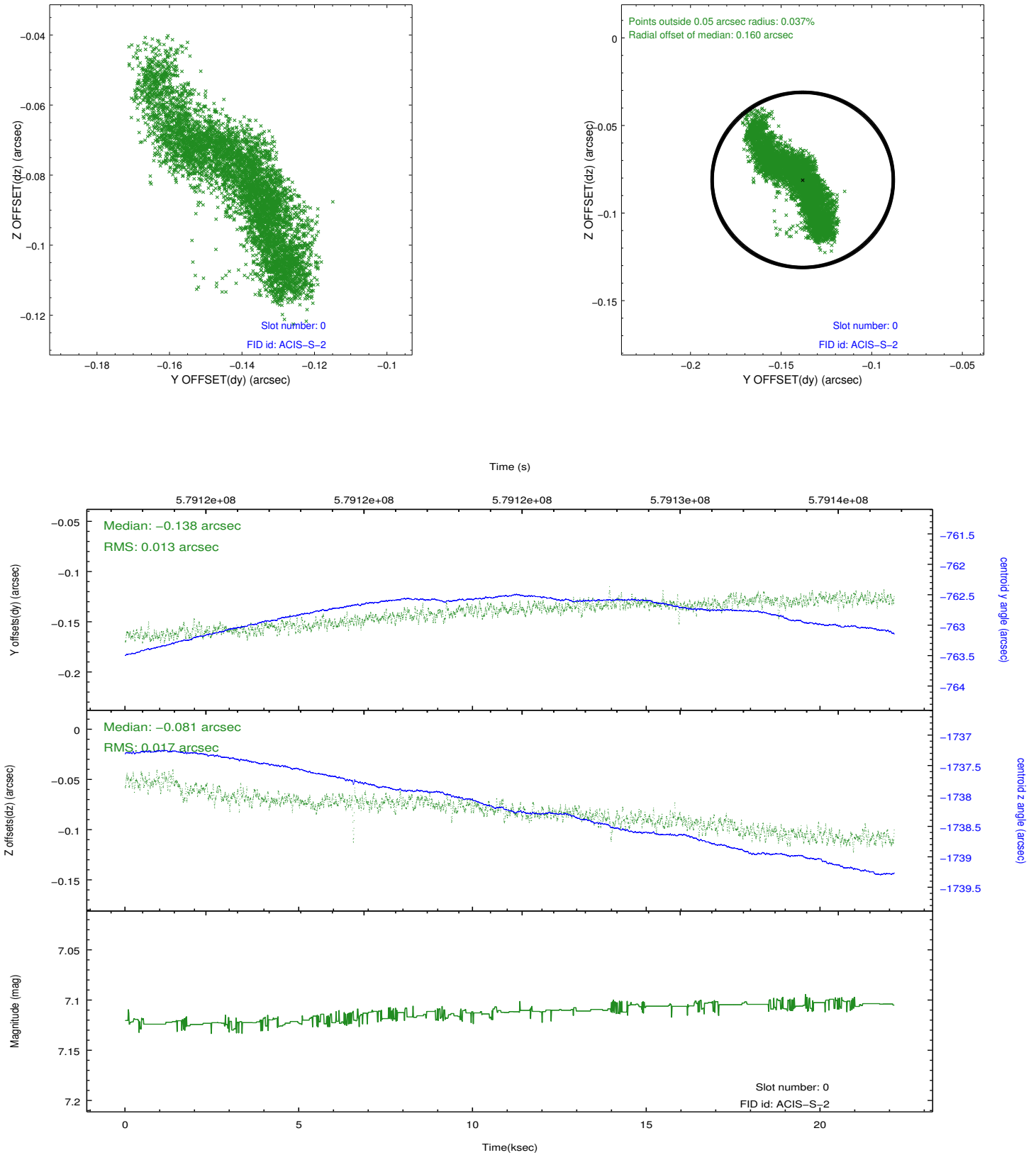


2.4.5 Slot 7

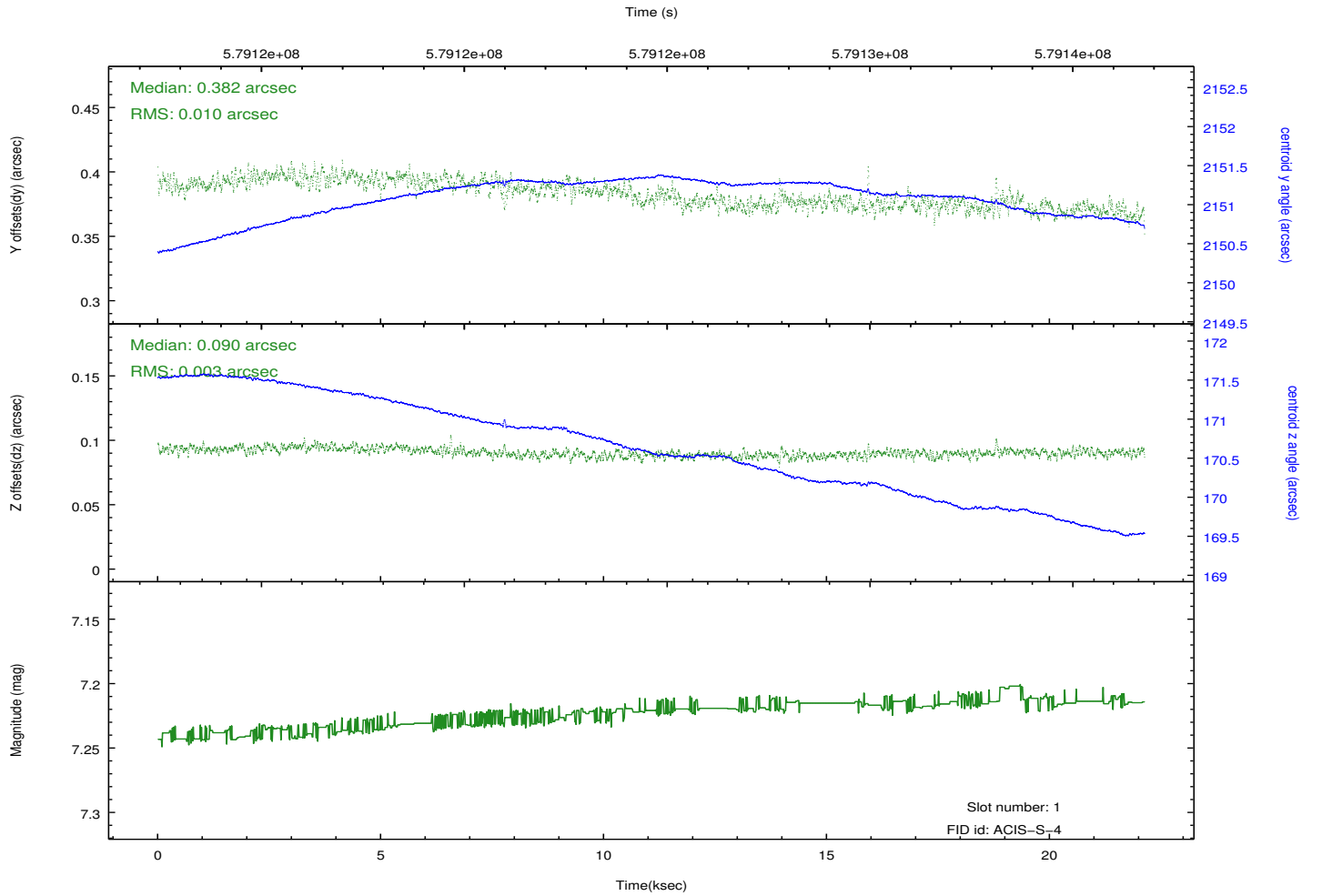
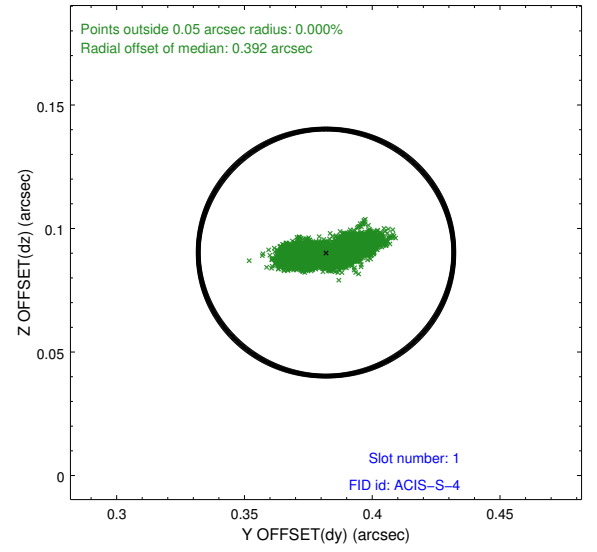
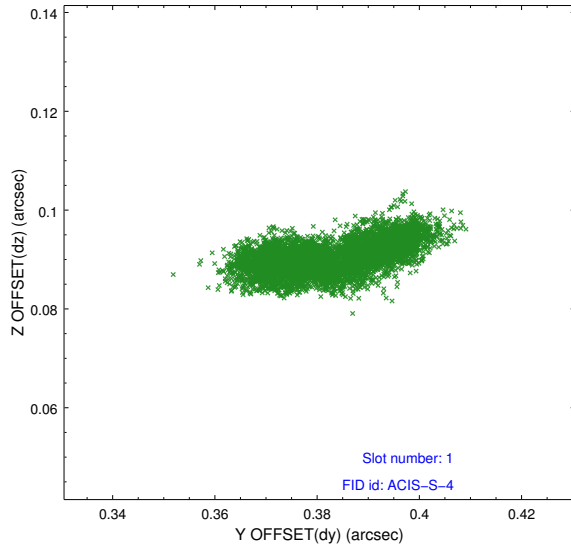


2.5 FID Slots

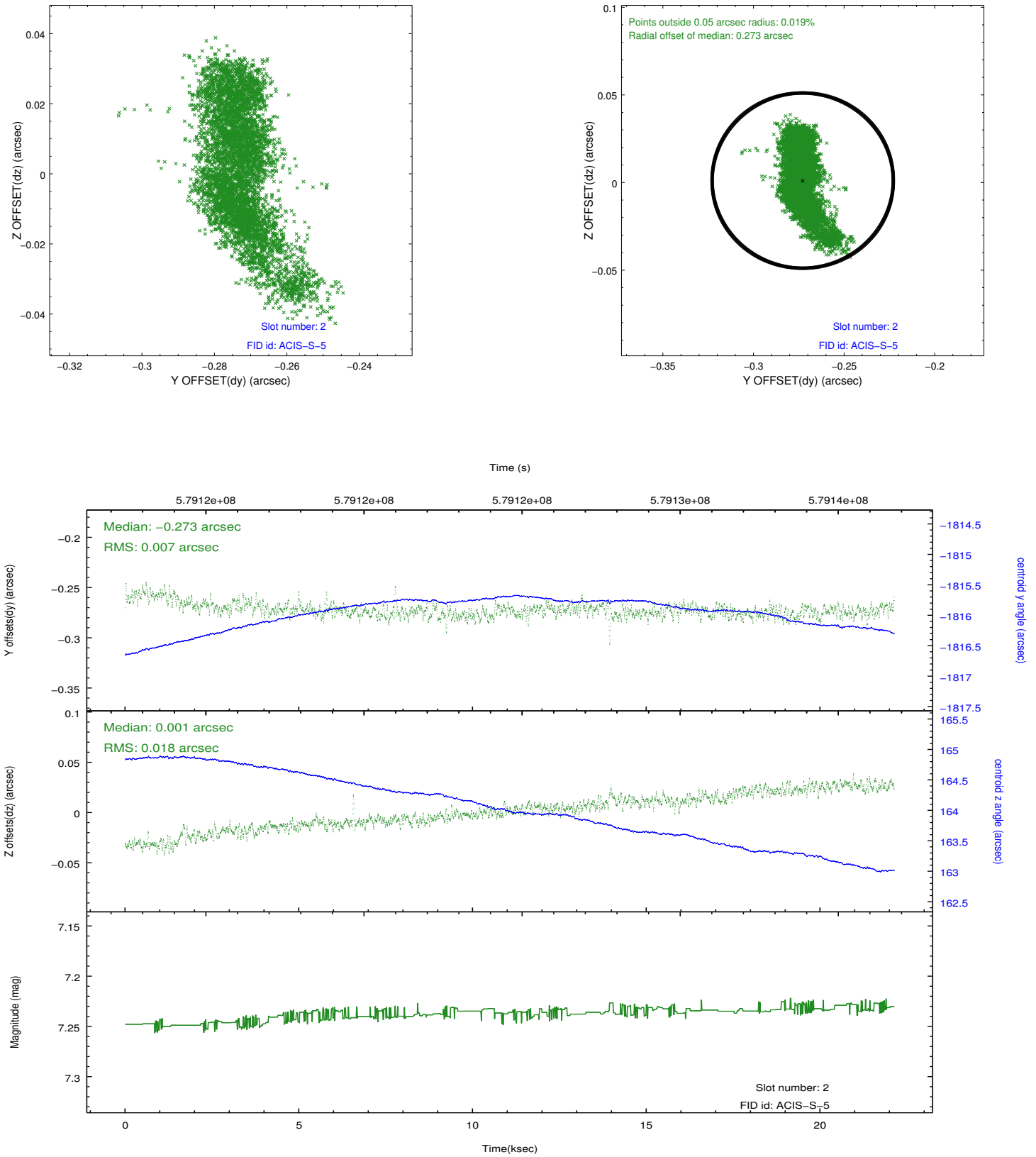
2.5.1 Slot 0



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)	2016.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.068398684502

A.2 Comments