

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18843 - L2 Version 1
Chandra X-Ray Center

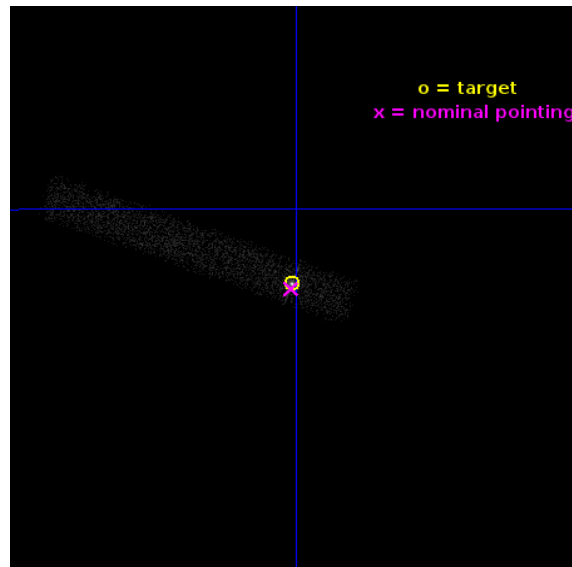
L2 Processing Date : May 8 2016

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1 Front

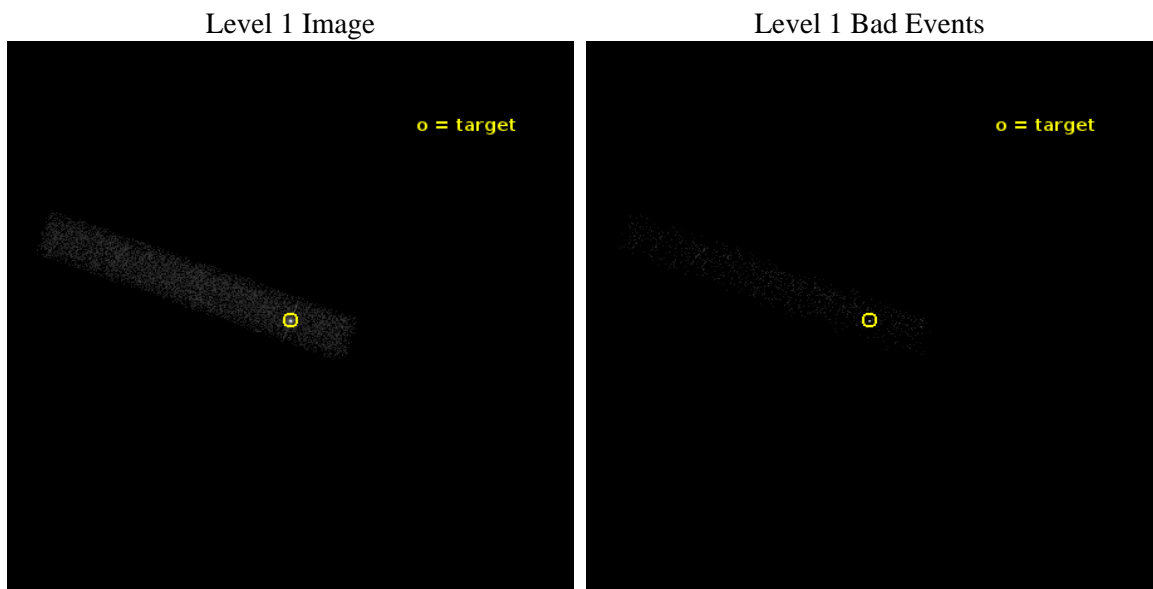
seq_num	703141	Sequence number
obs_id	18843	Observation id
title	Imaging AGN feedback in action: The extended X-ray emission of 1H 0419-577	Proposal title
observer	Prof Jelle Kaastra	Principal investigator
object	1H 0419-577	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	66.502917	Observer's specified target RA [deg]
dec_targ	-57.200278	Observer's specified target Dec [deg]
ra_nom	66.503212630532	Nominal RA [deg]
dec_nom	-57.202817171971	Nominal Dec [deg]
roll_nom	200.15687456024	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9069.0674699545	Sum of GTIs [s]
livetime	8225.1654906172	Livetime [s]
ontime7	9069.0674699545	Sum of GTIs [s]
l2events	13586	Number of level 2 events



2 OBI

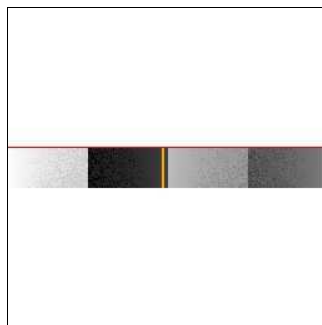
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	9069.0674699545	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	9069.0674699545	Sum of GTIs [s]
date	2016-05-08T06:15:55	Date and time of file creation	l1events	19434	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

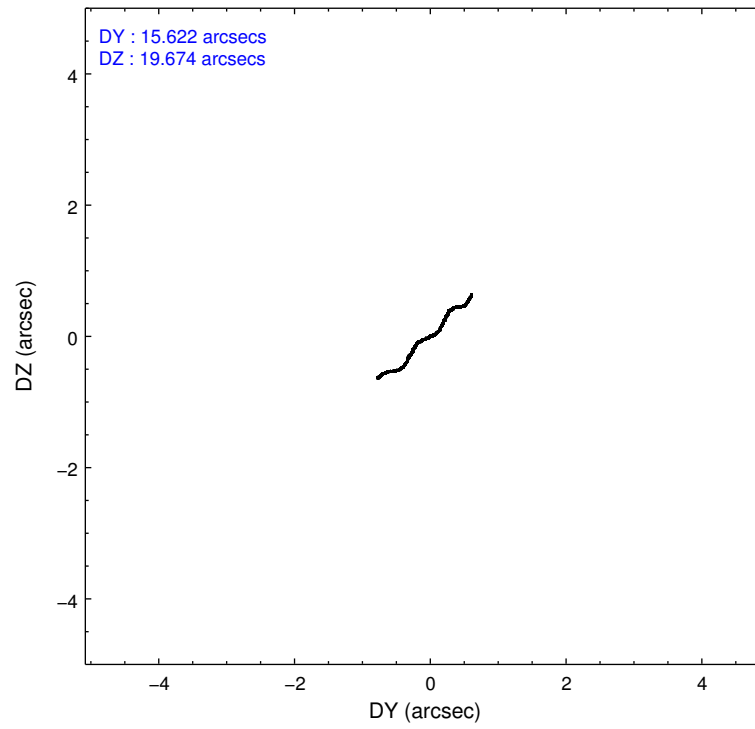
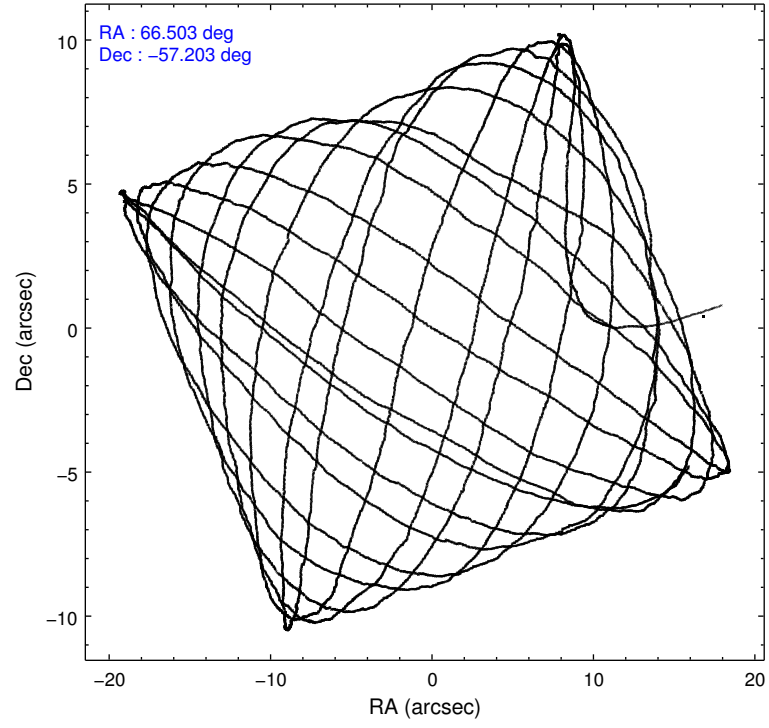
	ccd 7
level 1 events	19434
rejected events	5629
rejected %	28%

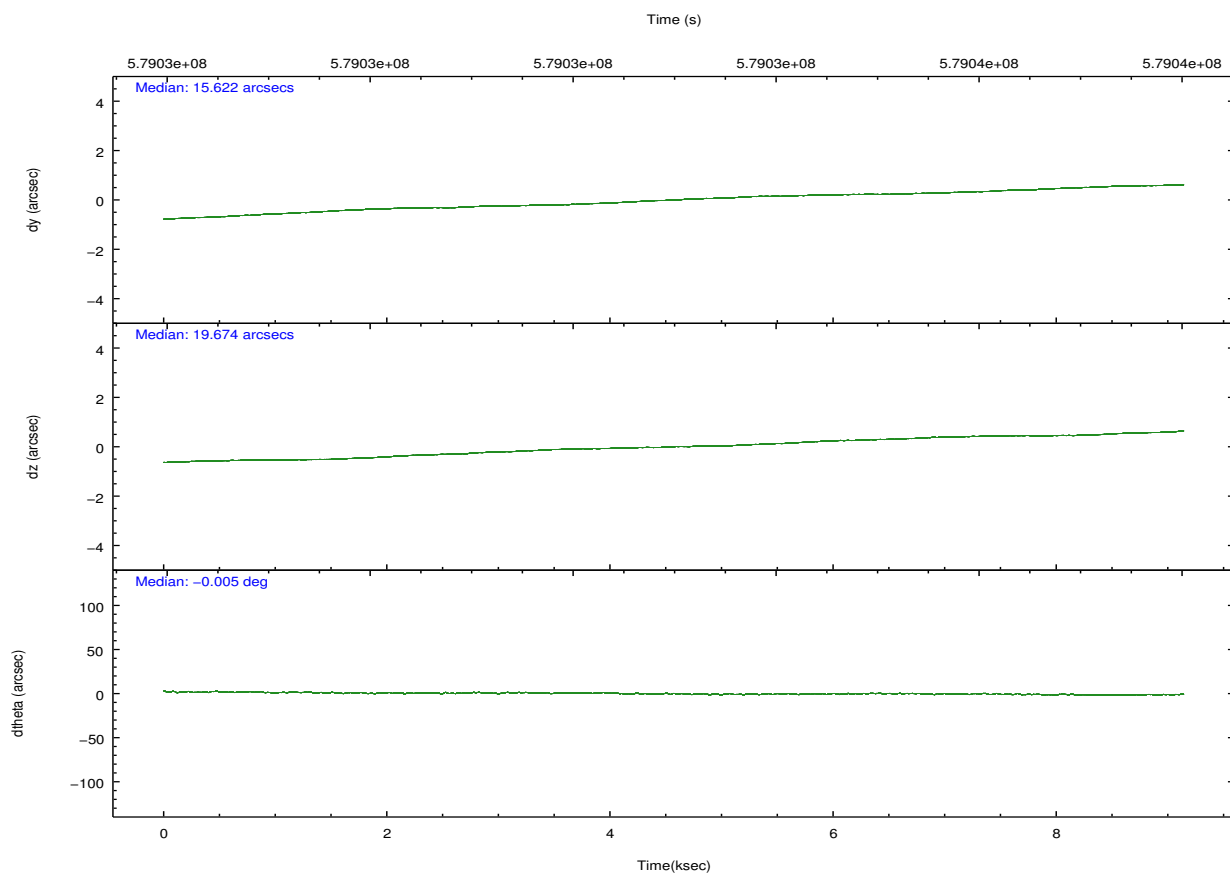
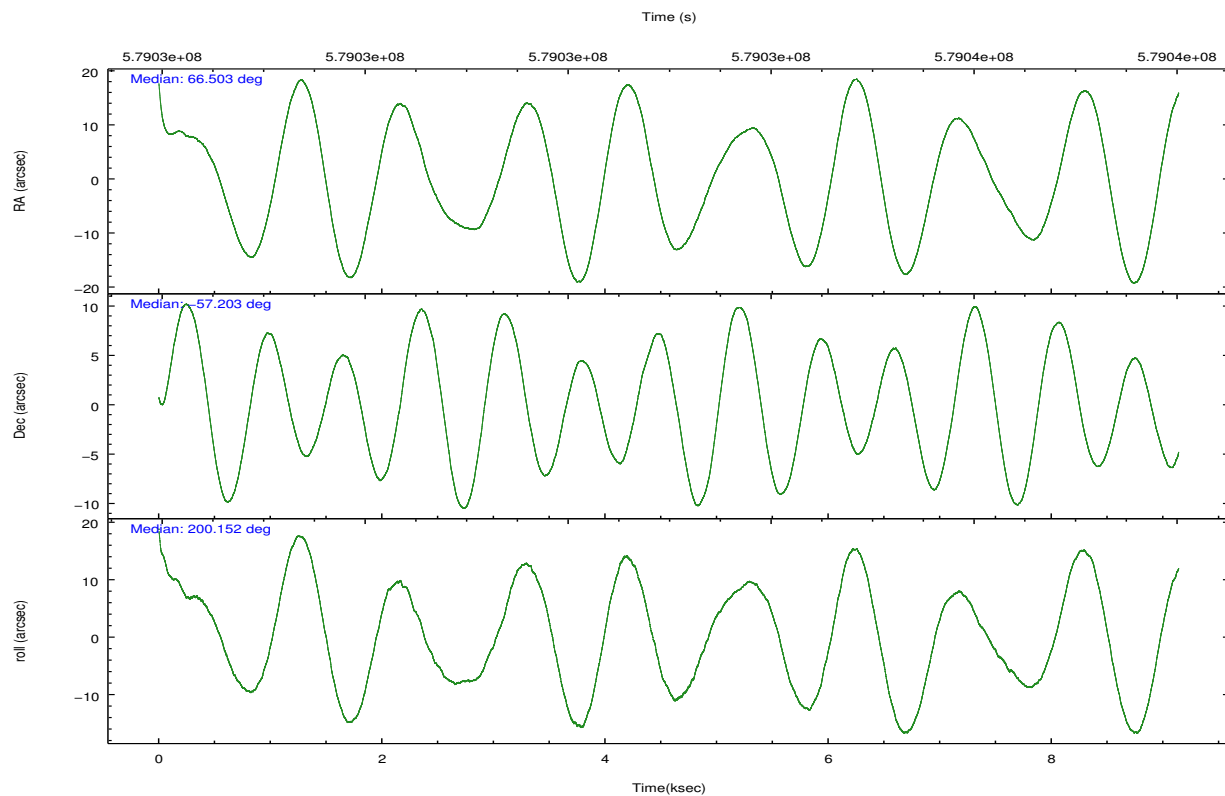
	ccd 7
grade 0 events	3074
	15%
grade 1 events	99
	0%
grade 2 events	3135
	16%
grade 3 events	1634
	8%
grade 4 events	1532
	7%
grade 5 events	1353
	6%
grade 6 events	4430
	22%
grade 7 events	4177
	21%

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	66.50321263053169	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-57.181535	-57.20281717197113	Subarray start row	449	449
[deg] Pointing Roll	200.027065	200.1568745602415	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)	579028559.184000	579026801.57911			
Observation start date	2016-05-07T17:14:51	2016-05-07T16:46:41			
[s] Observation end time (MET)	579037559.184000	579038467.10478			
Observation end date	2016-05-07T19:44:51	2016-05-07T20:01:07			
Read mode	TIMED	TIMED			

2.3 Aspect



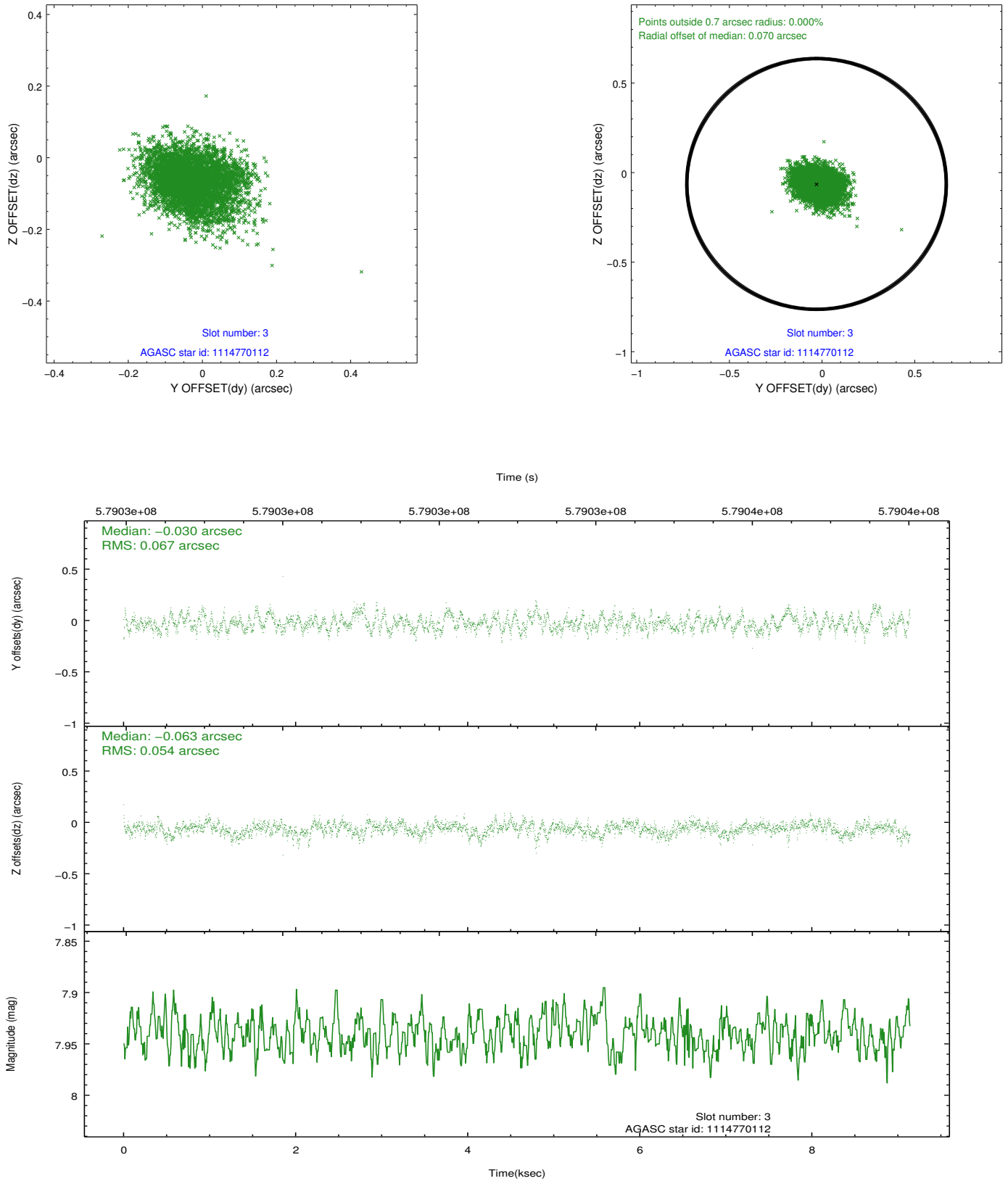


Slot Statistics

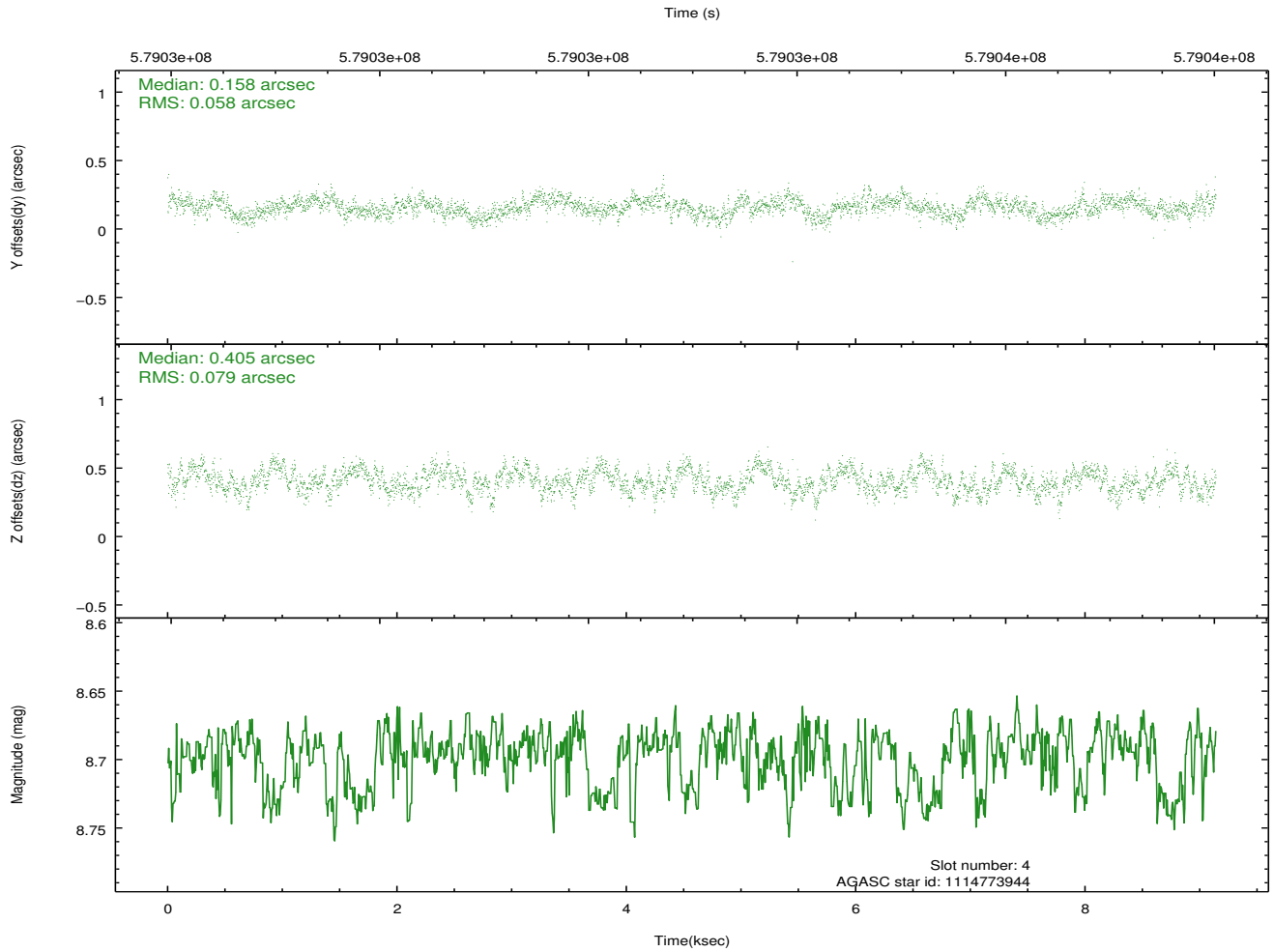
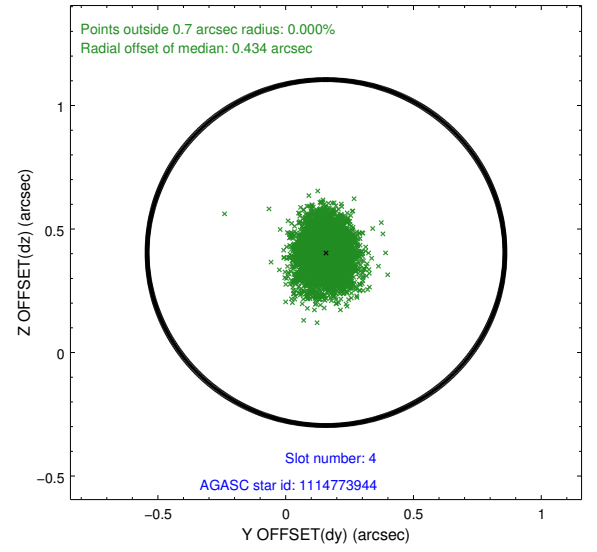
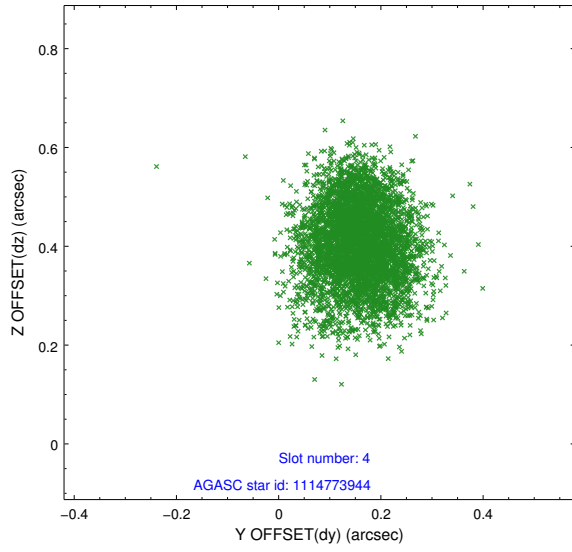
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	2229	-0.207	-0.109	0.012	0.019	0.000000	0.000000	-768.77	-1741.29
1	FID		ACIS-S-4	7.22	2230	0.472	0.129	0.012	0.021	0.000000	0.000000	2144.89	166.84
2	FID		ACIS-S-5	7.22	2230	-0.294	-0.011	0.013	0.025	0.000000	0.000000	-1820.96	161.01
3	GUIDE	used	1114770112	7.94	4458	-0.030	-0.063	0.091	0.149	66.028764	-57.253162	1016.20	-91.69
4	GUIDE	used	1114773944	8.70	4458	0.158	0.405	0.106	0.168	66.502808	-56.526201	-746.49	-2237.76
5	GUIDE	used	1115162632	8.04	4456	-0.253	-0.561	0.078	0.126	66.334116	-57.746253	1058.90	1777.42
6	GUIDE	used	1114775680	9.24	4459	0.158	0.205	0.134	0.208	66.637879	-56.444884	-1099.24	-2420.62
7	GUIDE	used	1115687416	7.72	4458	-0.031	0.020	0.118	0.194	67.323347	-57.187767	-1433.46	555.70

2.4 Star Slots

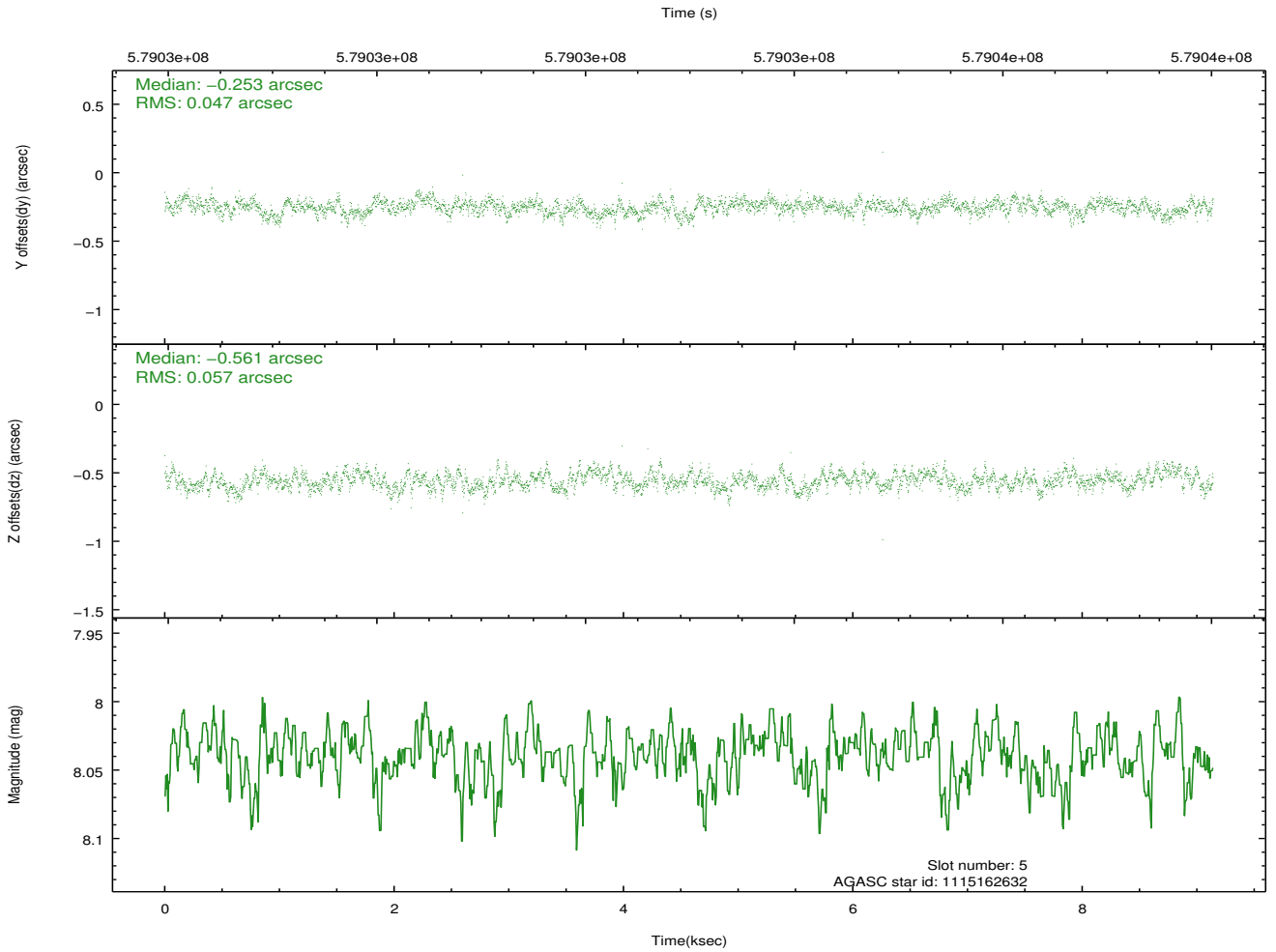
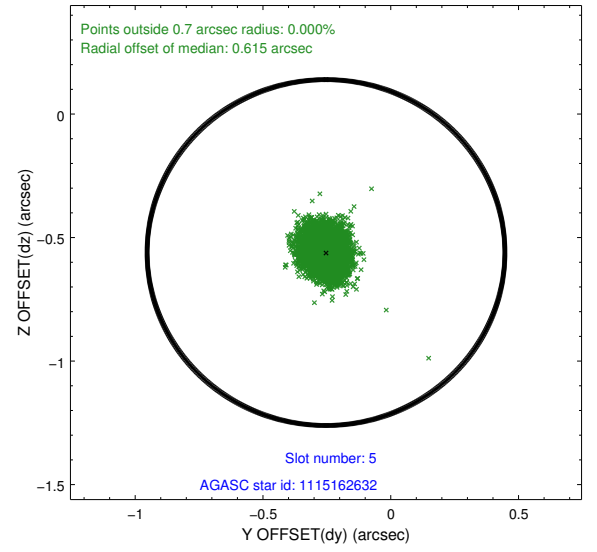
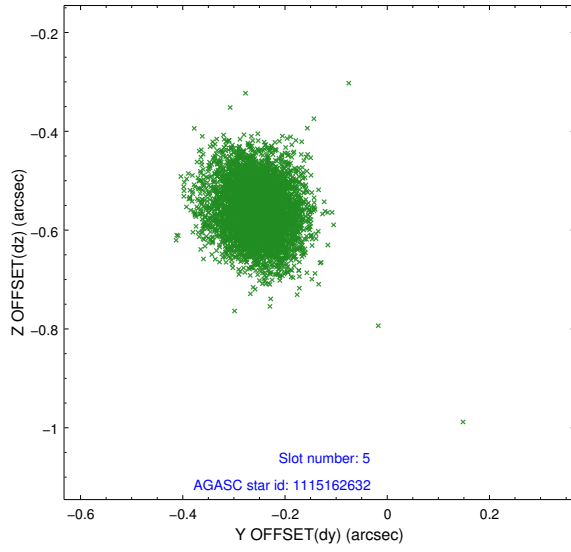
2.4.1 Slot 3



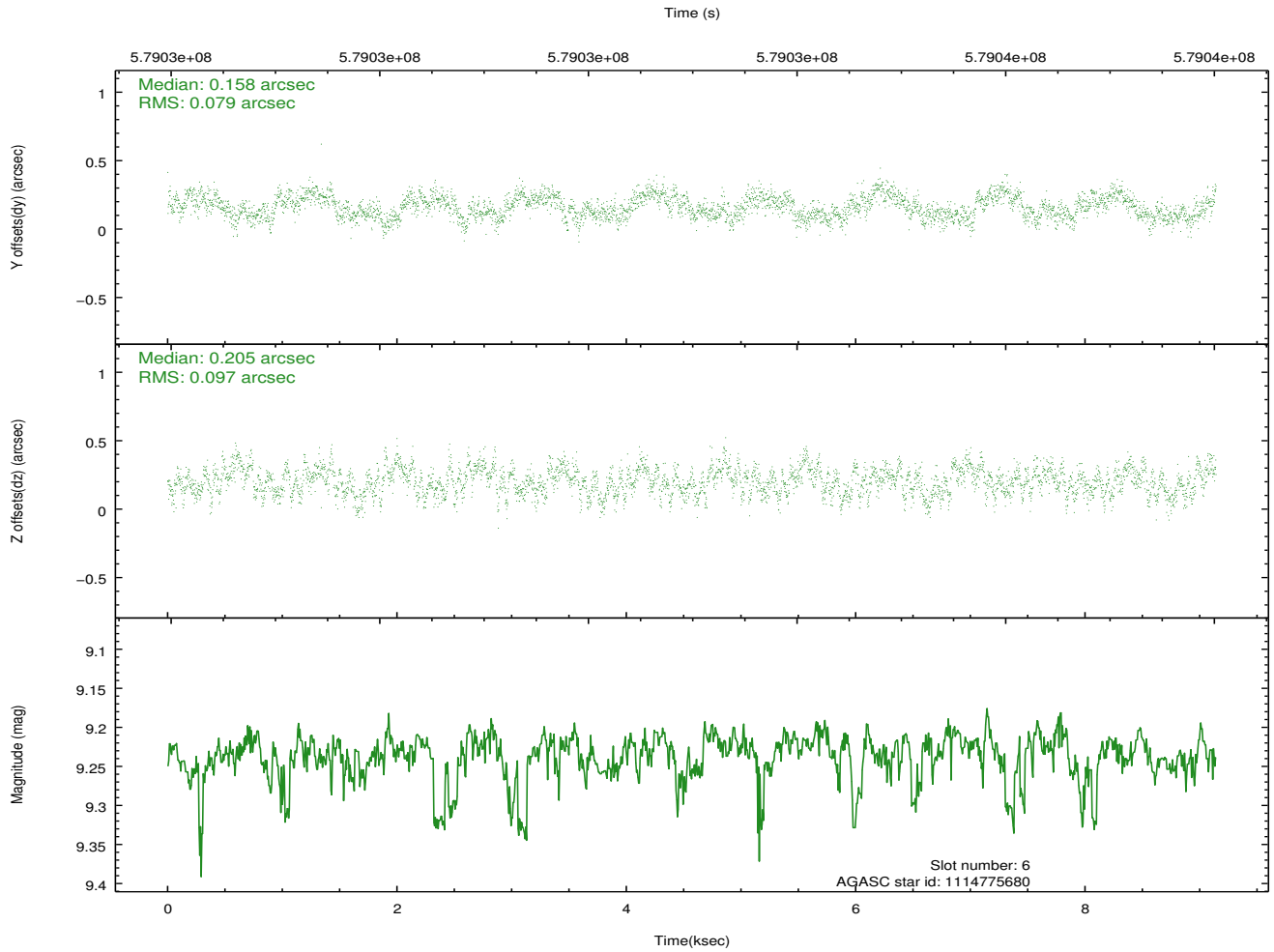
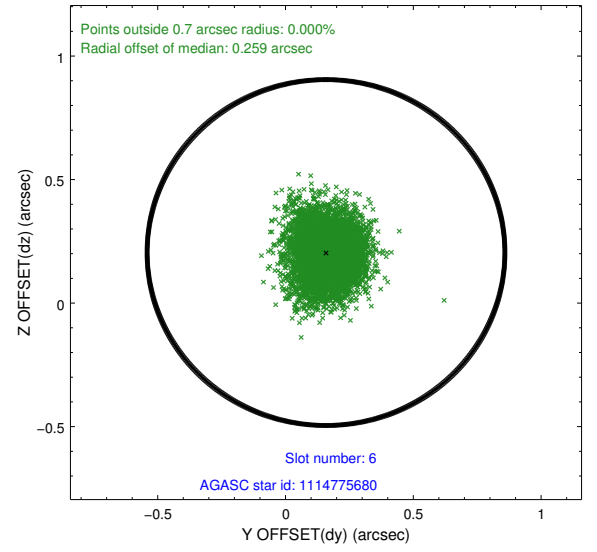
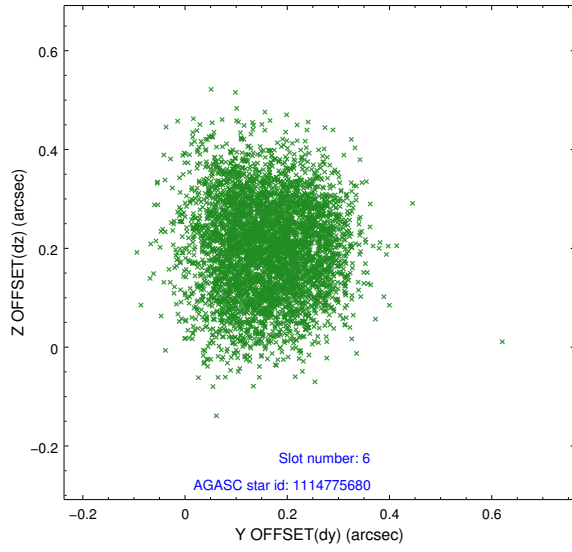
2.4.2 Slot 4



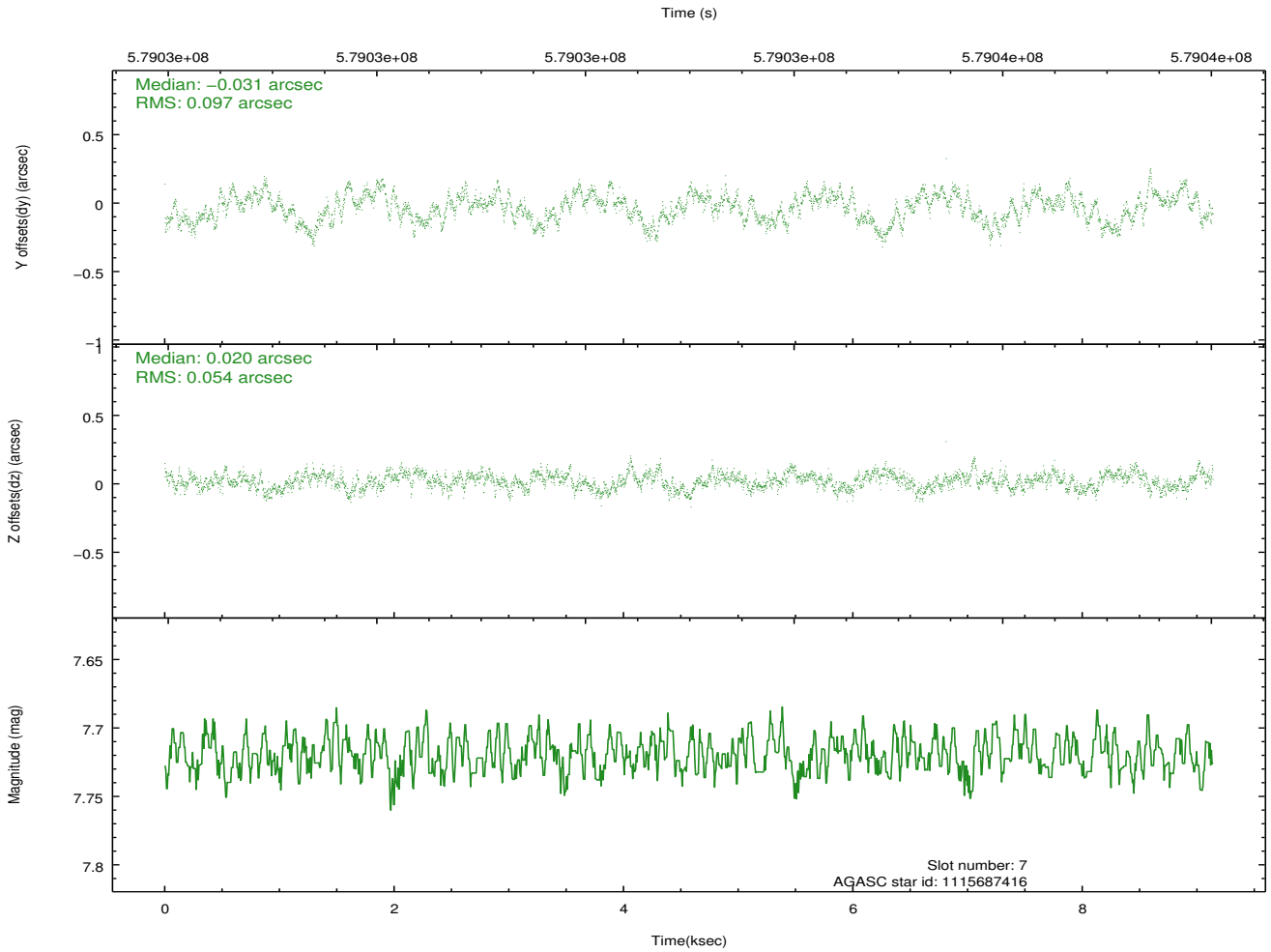
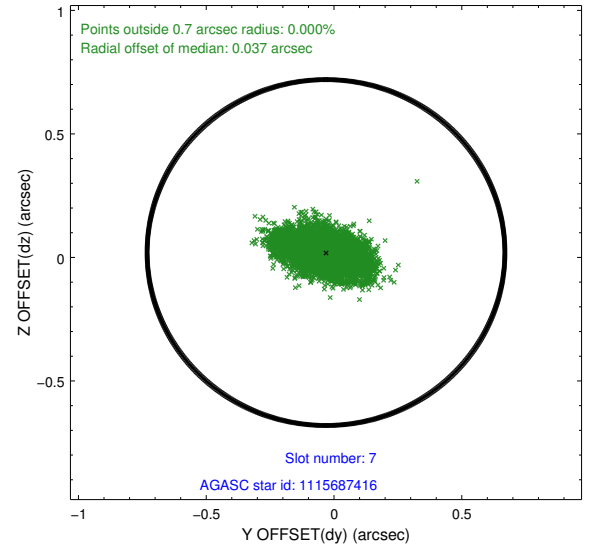
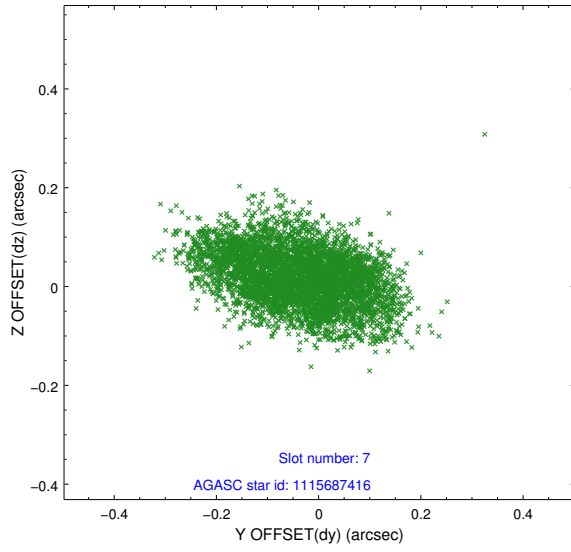
2.4.3 Slot 5



2.4.4 Slot 6

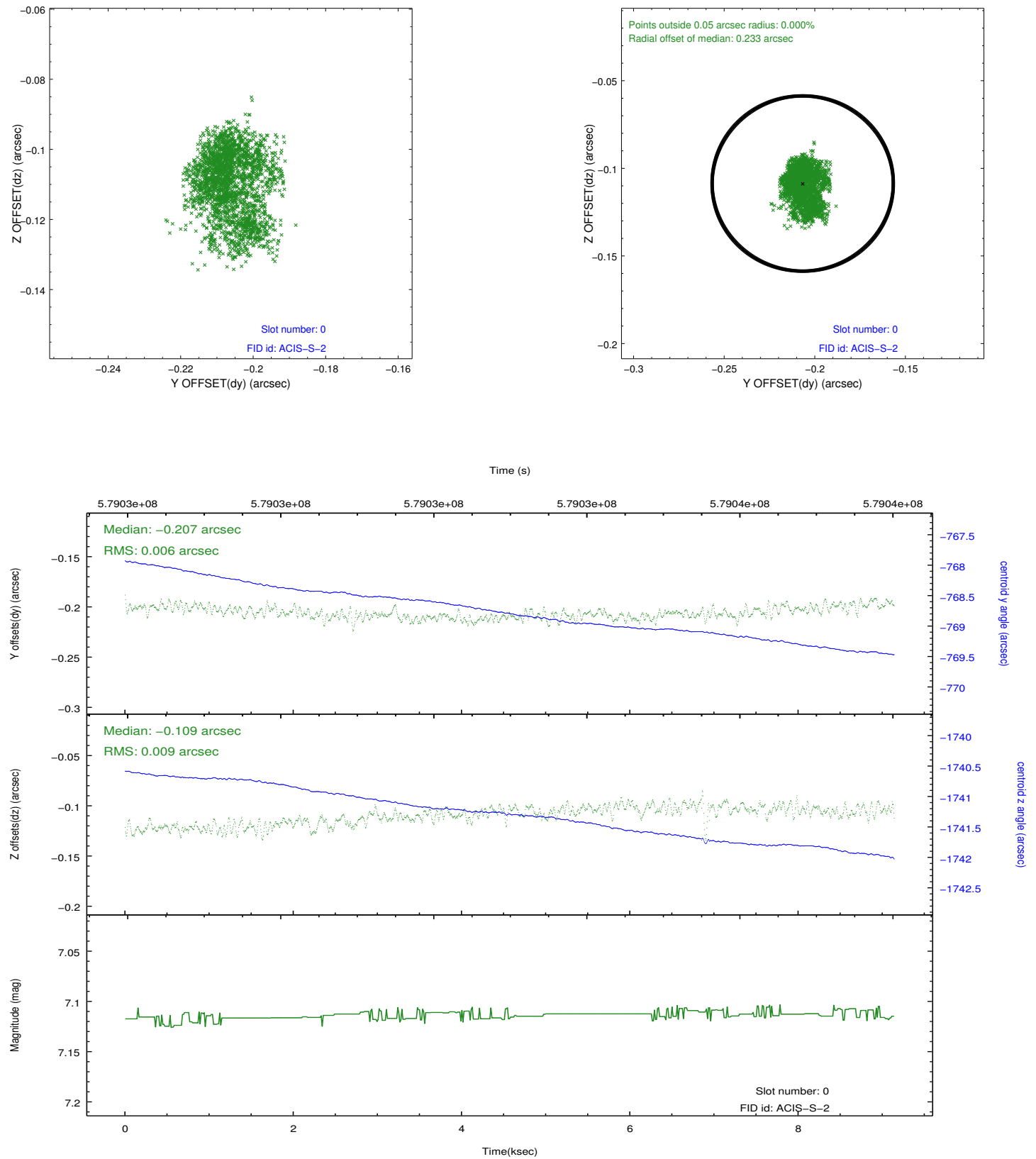


2.4.5 Slot 7

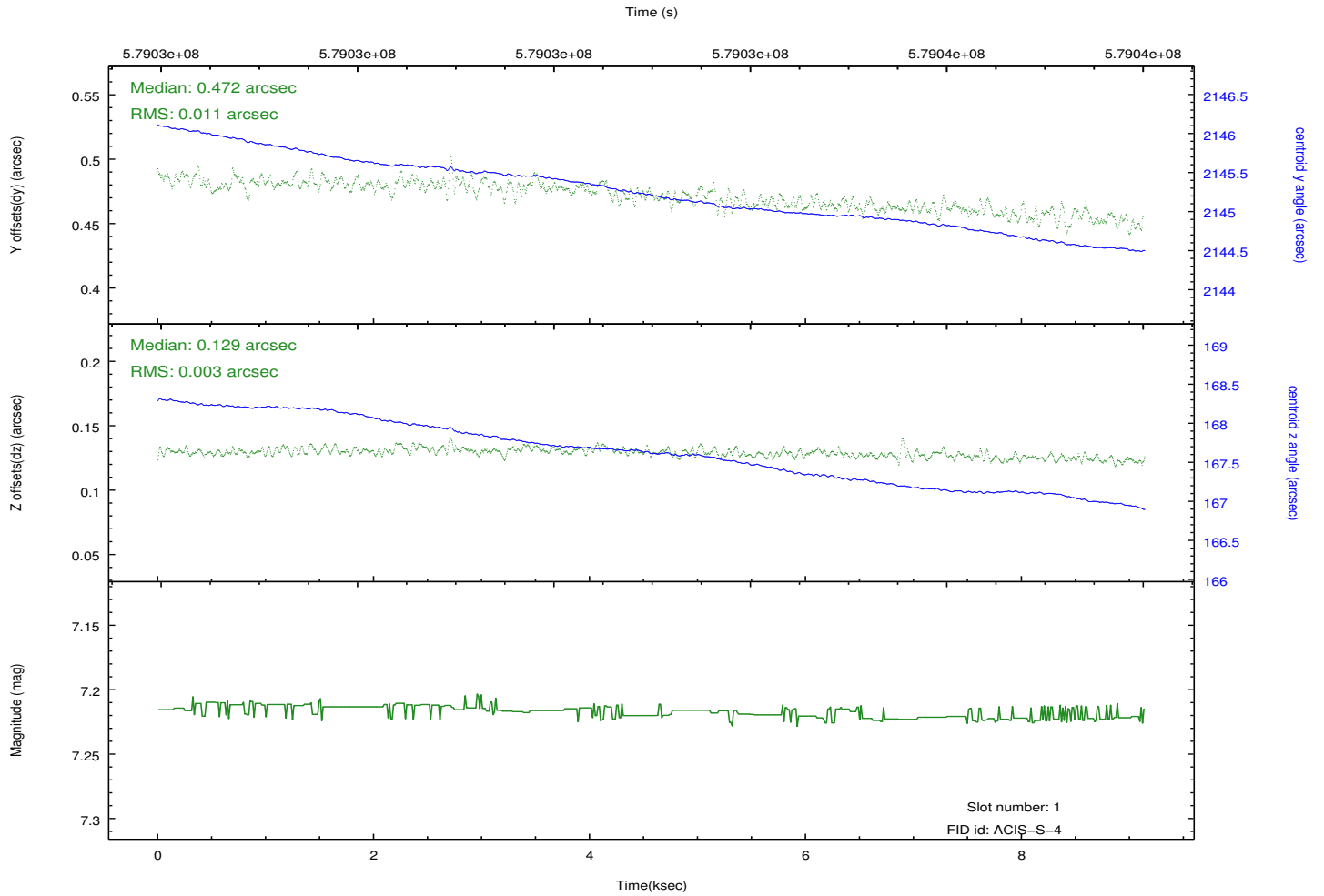
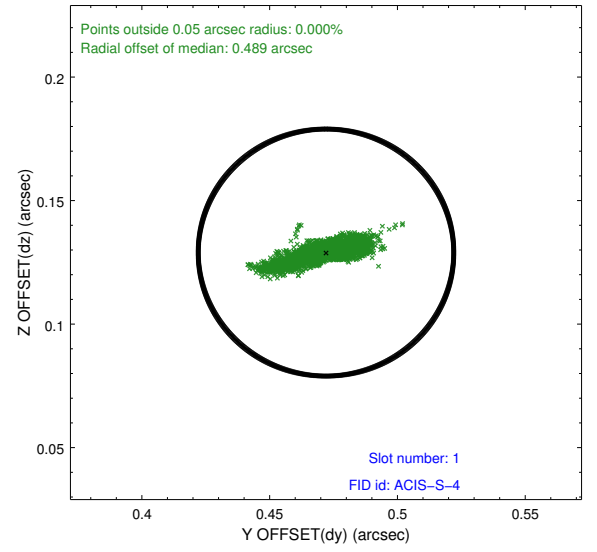
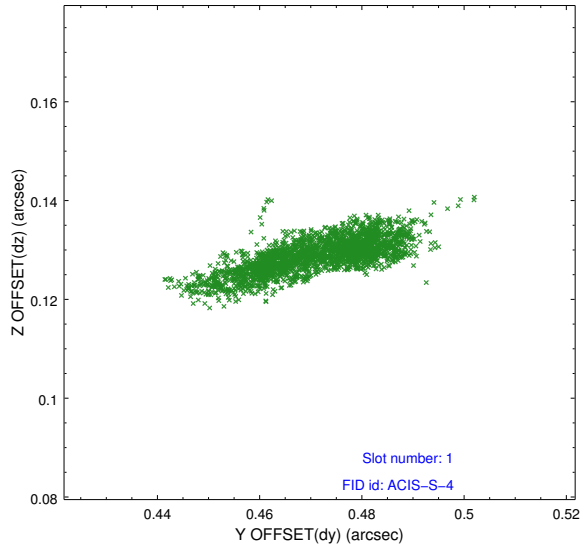


2.5 FID Slots

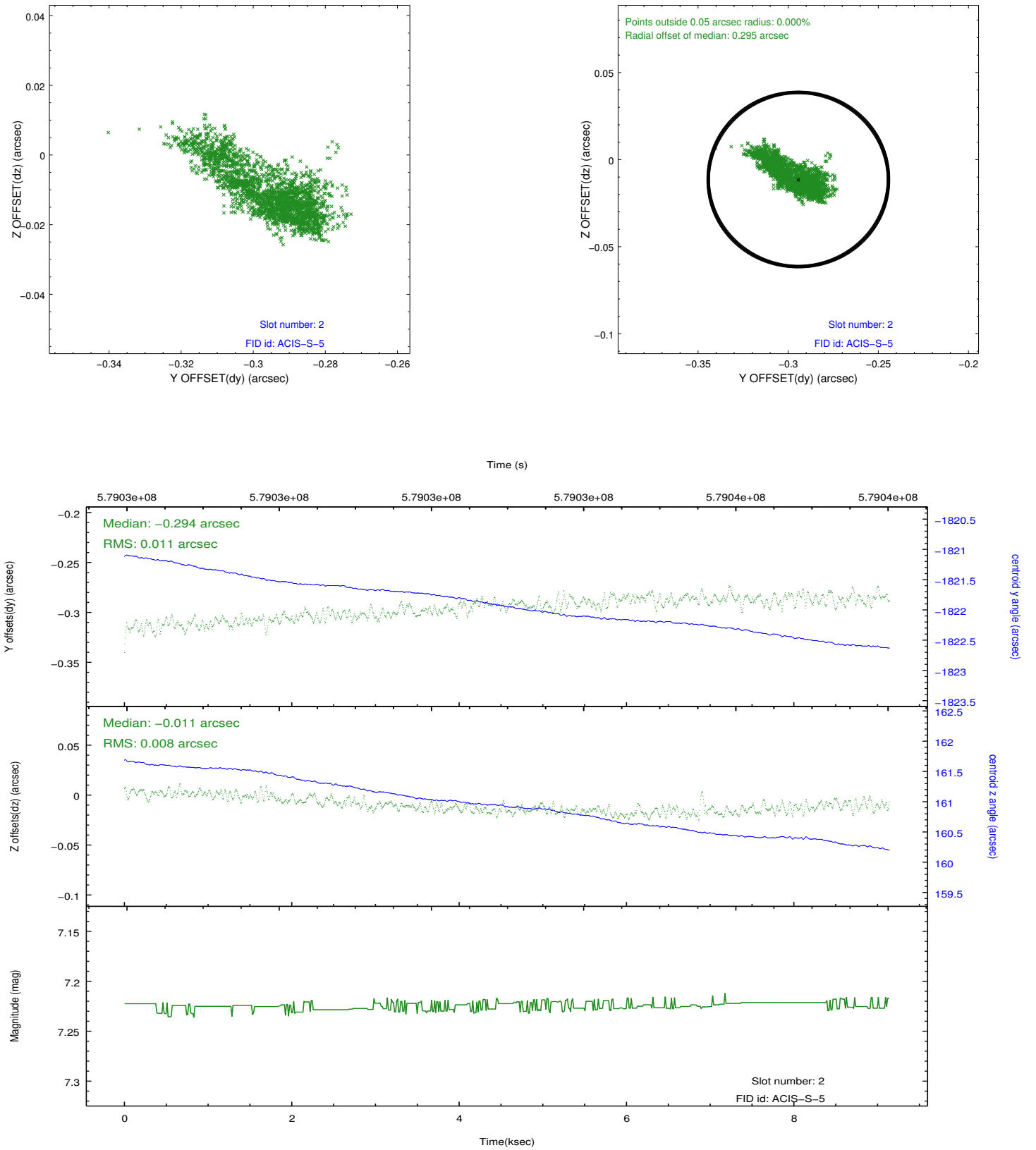
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.0690674699545

A.2 Comments