

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17148 - L2 Version 1
Chandra X-Ray Center

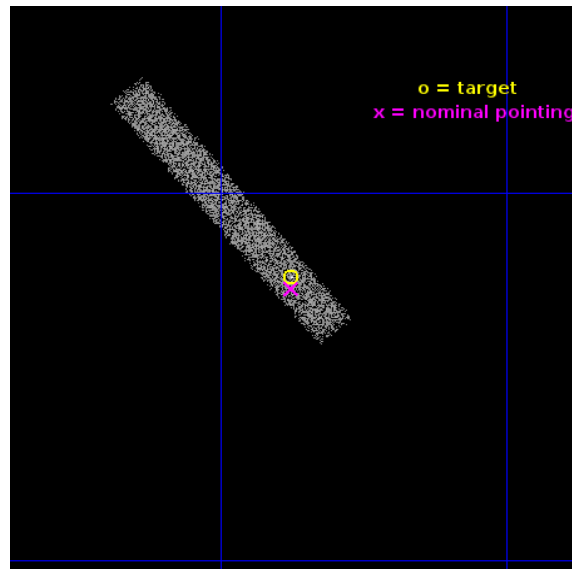
L2 Processing Date : Aug 29 2015

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1 Front

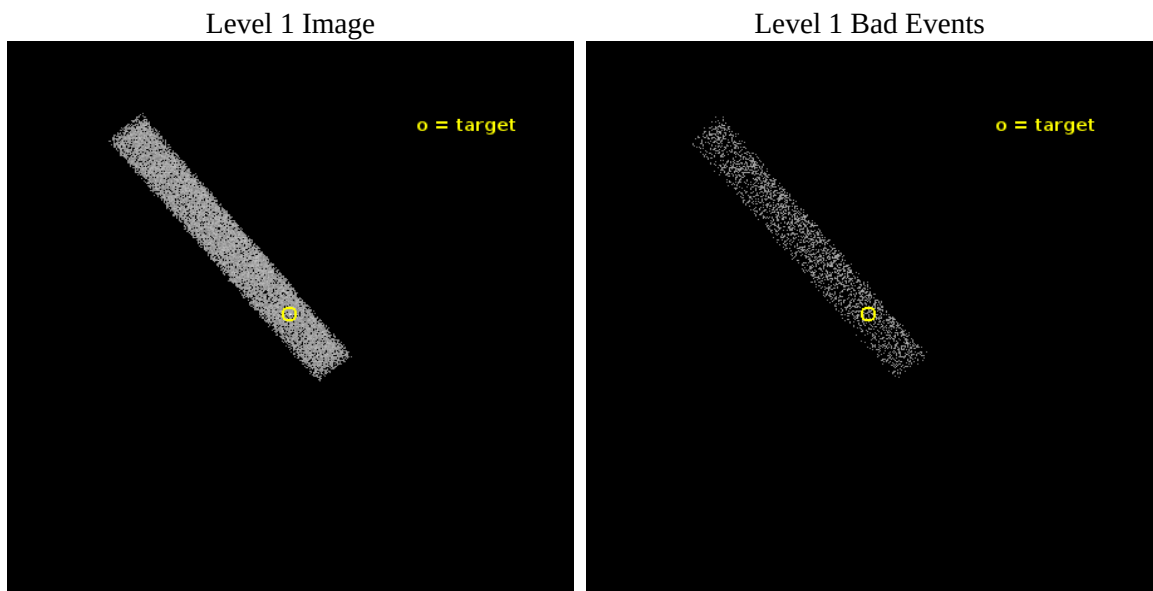
seq_num	703137	Sequence number
obs_id	17148	Observation id
title	CONSTRAINING THE WIND-SHIELD SCENARIO OF PG 2112+059	Proposal titl
observer	Dr Cristian Saez	Principal investigator
object	PG 2112+059	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	318.719167	Observer's specified target RA [deg]
dec_targ	6.128472	Observer's specified target Dec [deg]
ra_nom	318.71909415751	Nominal RA [deg]
dec_nom	6.1230593503224	Nominal Dec [deg]
roll_nom	230.18187086871	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20157.598798394	Sum of GTIs [s]
livetime	18281.878104838	Livetime [s]
ontime7	20157.598798394	Sum of GTIs [s]
l2events	9104	Number of level 2 events



2 OBI

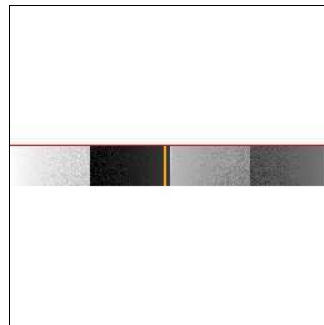
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20087.819000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	20157.598798394	Sum of GTIs [s]
caldbver	4.6.8	 	ontime7	20157.598798394	Sum of GTIs [s]
date	2015-08-29T23:04:50	Date and time of file creation	l1events	19125	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

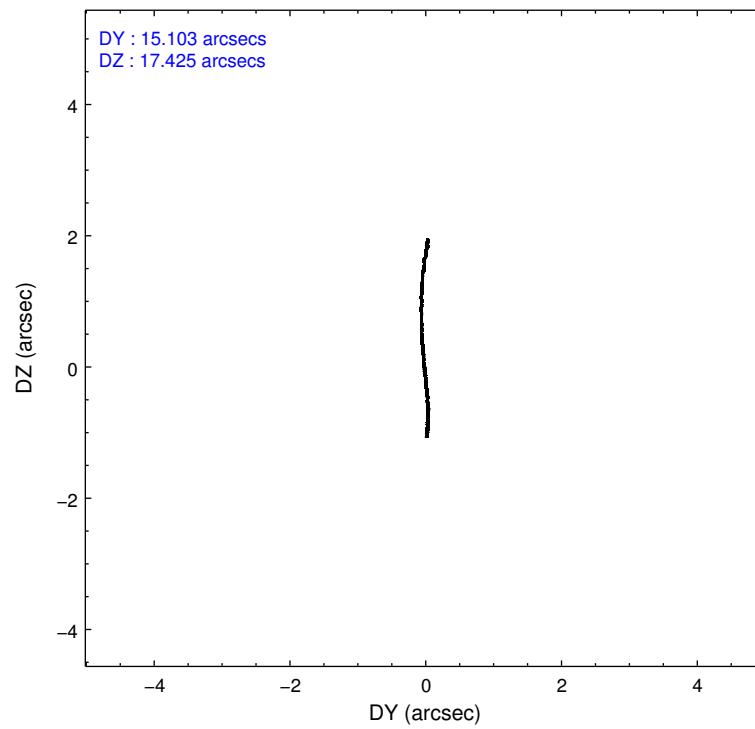
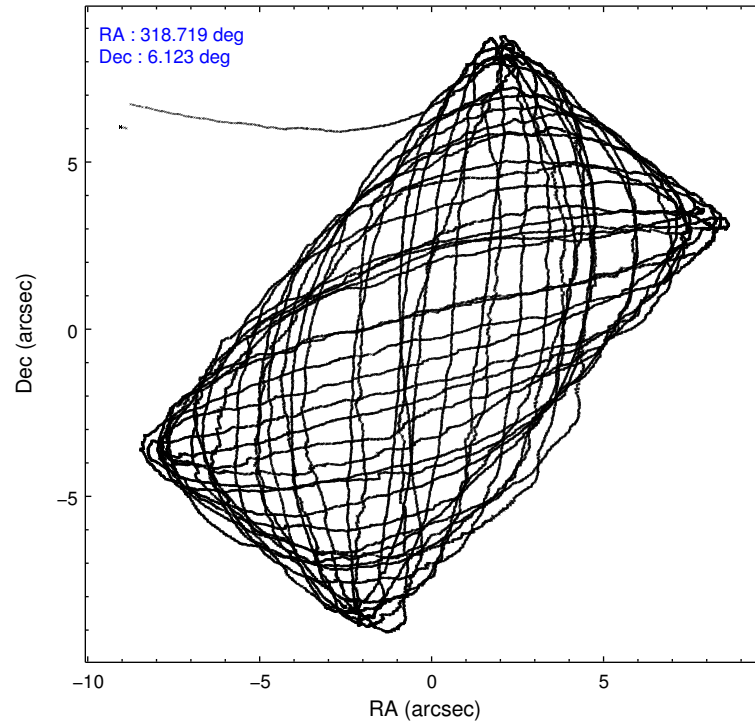
	ccd 7
level 1 events	19125
rejected events	9640
rejected %	50%

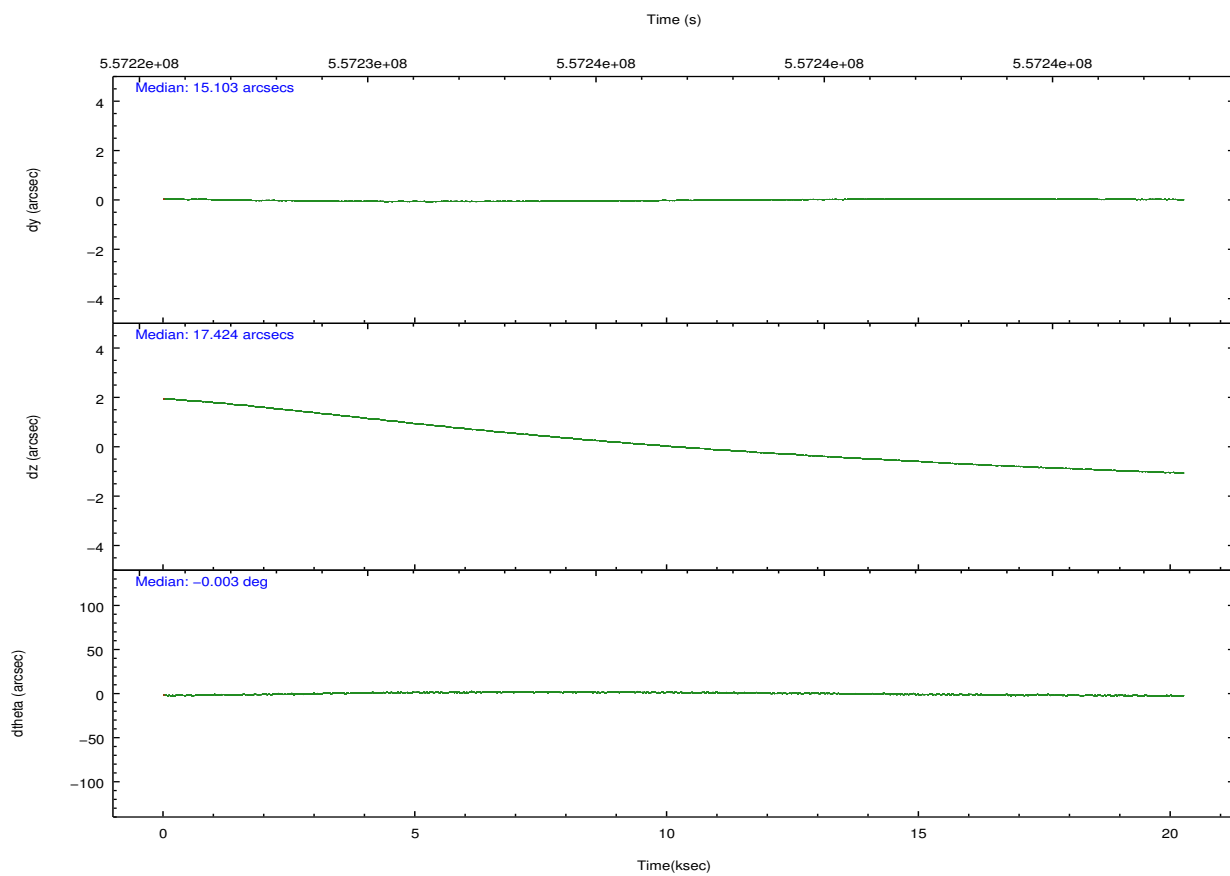
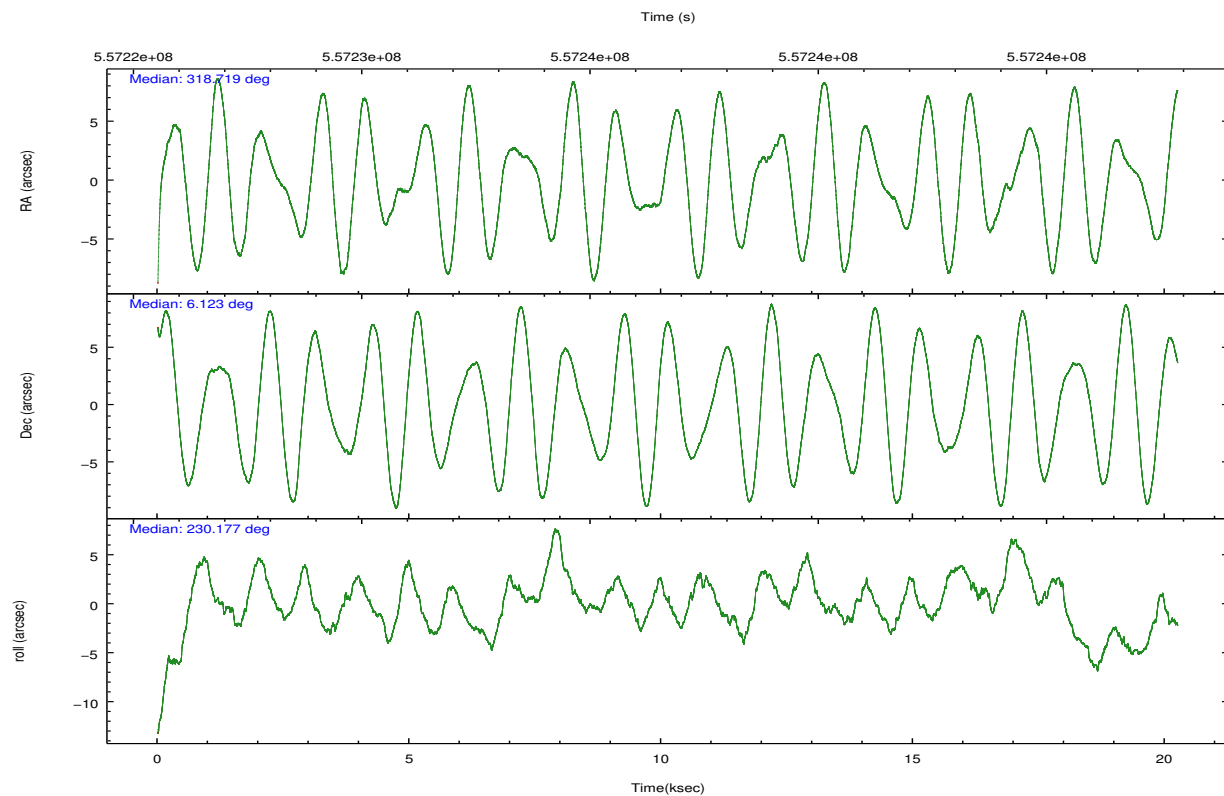
	ccd 7
grade 0 events	942
	4%
grade 1 events	35
	0%
grade 2 events	1766
	9%
grade 3 events	1270
	6%
grade 4 events	1174
	6%
grade 5 events	2027
	10%
grade 6 events	4333
	22%
grade 7 events	7578
	39%

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	318.723438	318.7190941575126	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	6.150145	6.123059350322393	Subarray start row	449	449
[deg] Pointing Roll	230.024788	230.1818708687128	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	557226740.184000	557225449.87898			
Observation start date	2015-08-29T09:11:12	2015-08-29T08:50:49			
[s] Observation end time (MET)	557246828.184000	557247055.3427			
Observation end date	2015-08-29T14:46:00	2015-08-29T14:50:55			
Read mode	TIMED	TIMED			

2.3 Aspect



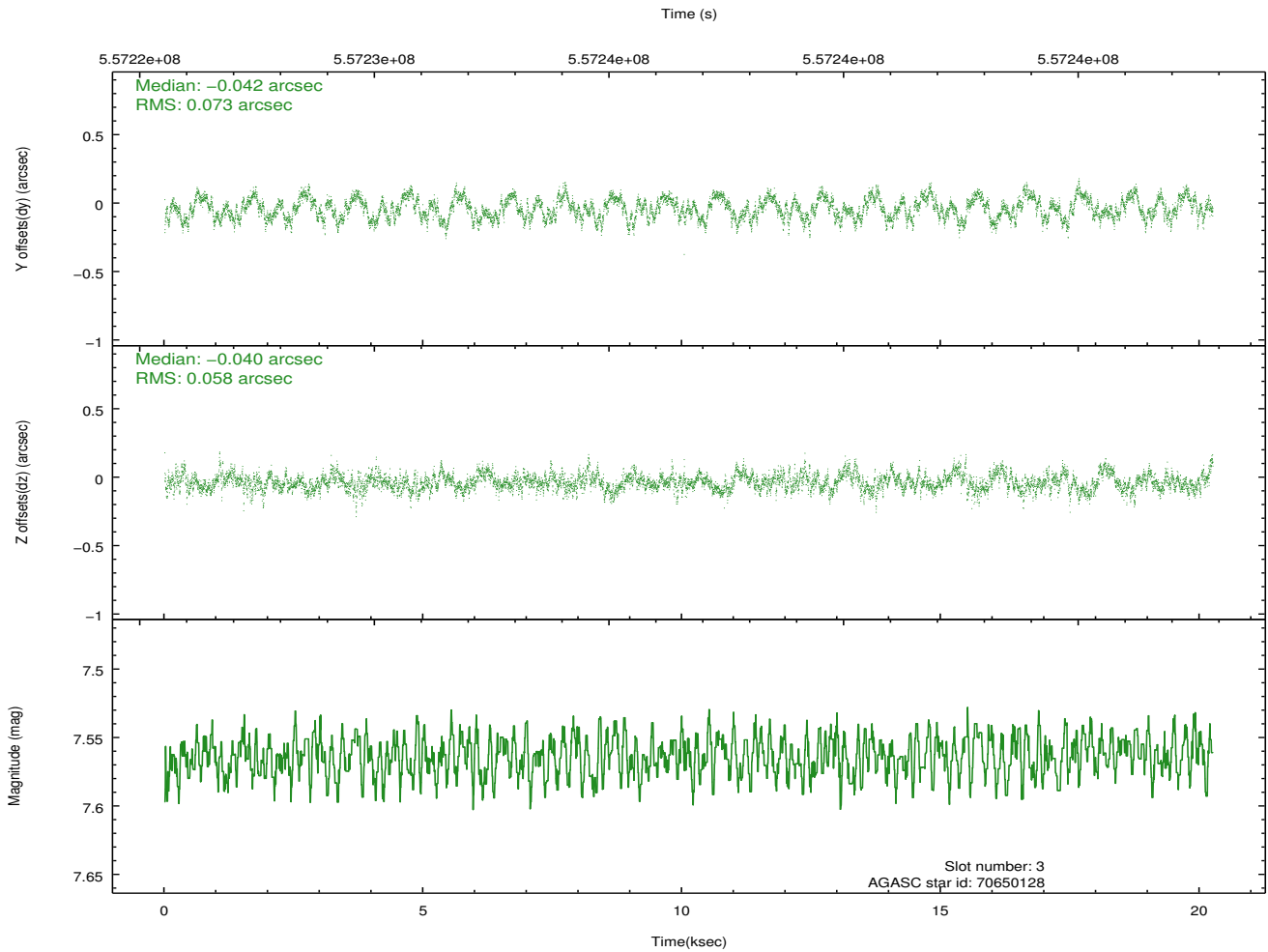
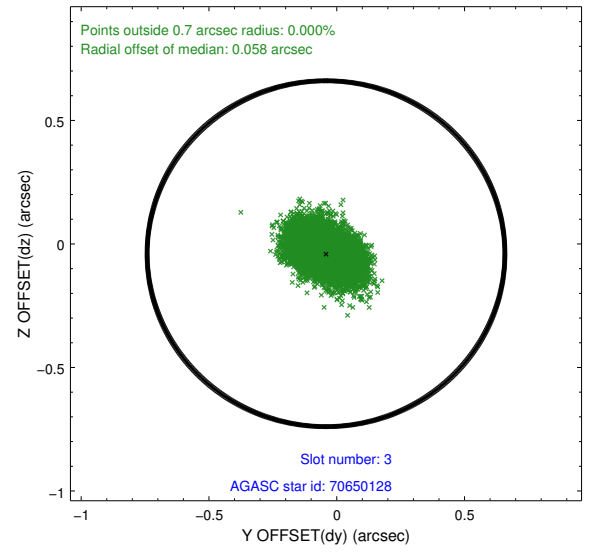
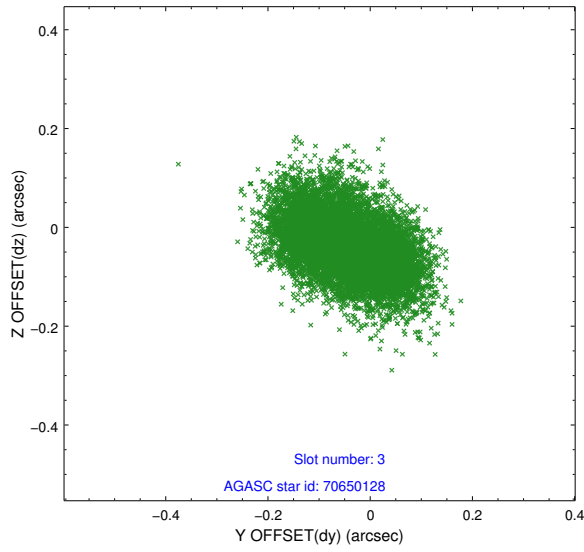


Slot Statistics

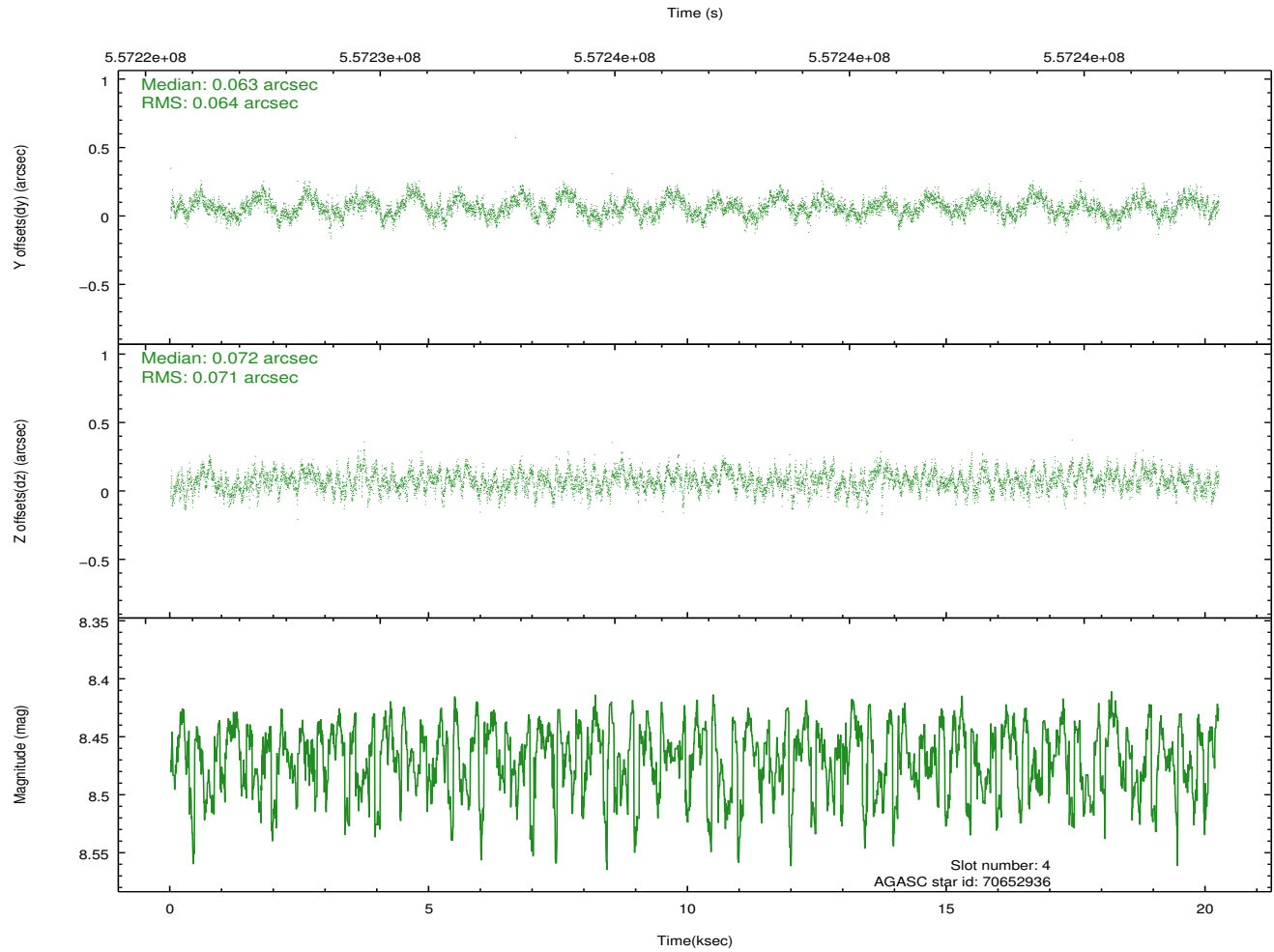
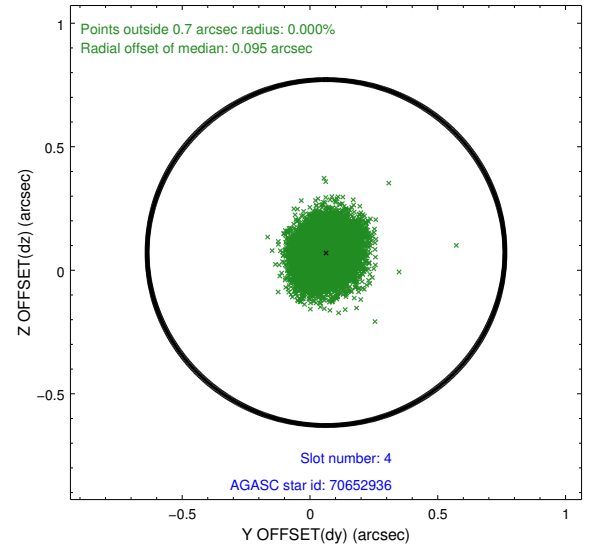
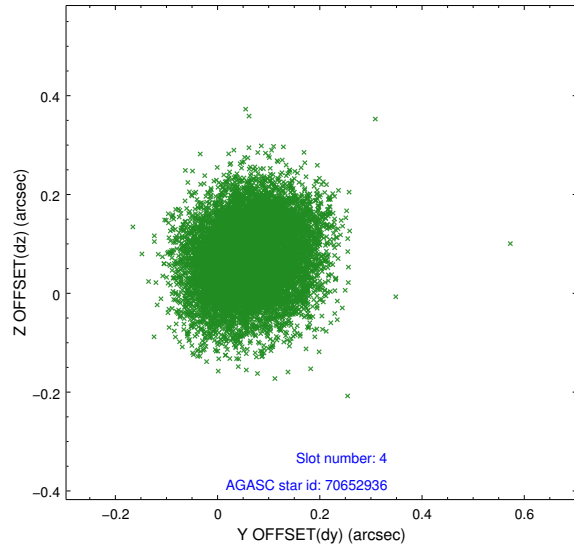
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	4939	-0.102	-0.064	0.021	0.030	0.000000	0.000000	-768.20	-1739.00
1	FID		ACIS-S-4	7.21	4938	0.286	0.067	0.008	0.014	0.000000	0.000000	2145.41	169.37
2	FID		ACIS-S-5	7.24	4940	-0.214	0.006	0.019	0.028	0.000000	0.000000	-1820.89	163.26
3	GUIDE	used	70650128	7.56	9877	-0.042	-0.040	0.102	0.158	318.413725	5.972155	1203.75	-437.63
4	GUIDE	used	70652936	8.47	9877	0.063	0.072	0.104	0.161	318.579143	6.965118	-1916.05	-2279.58
5	GUIDE	used	70661360	8.03	9879	-0.123	0.021	0.111	0.164	318.143966	6.349745	781.18	-2050.91
6	GUIDE	used	70664904	8.82	9877	0.102	0.036	0.153	0.226	318.249738	5.833453	1963.84	-567.72
7	GUIDE	used	70780384	9.77	9869	-0.020	-0.089	0.152	0.249	319.401818	6.130450	-1506.46	1905.97

2.4 Star Slots

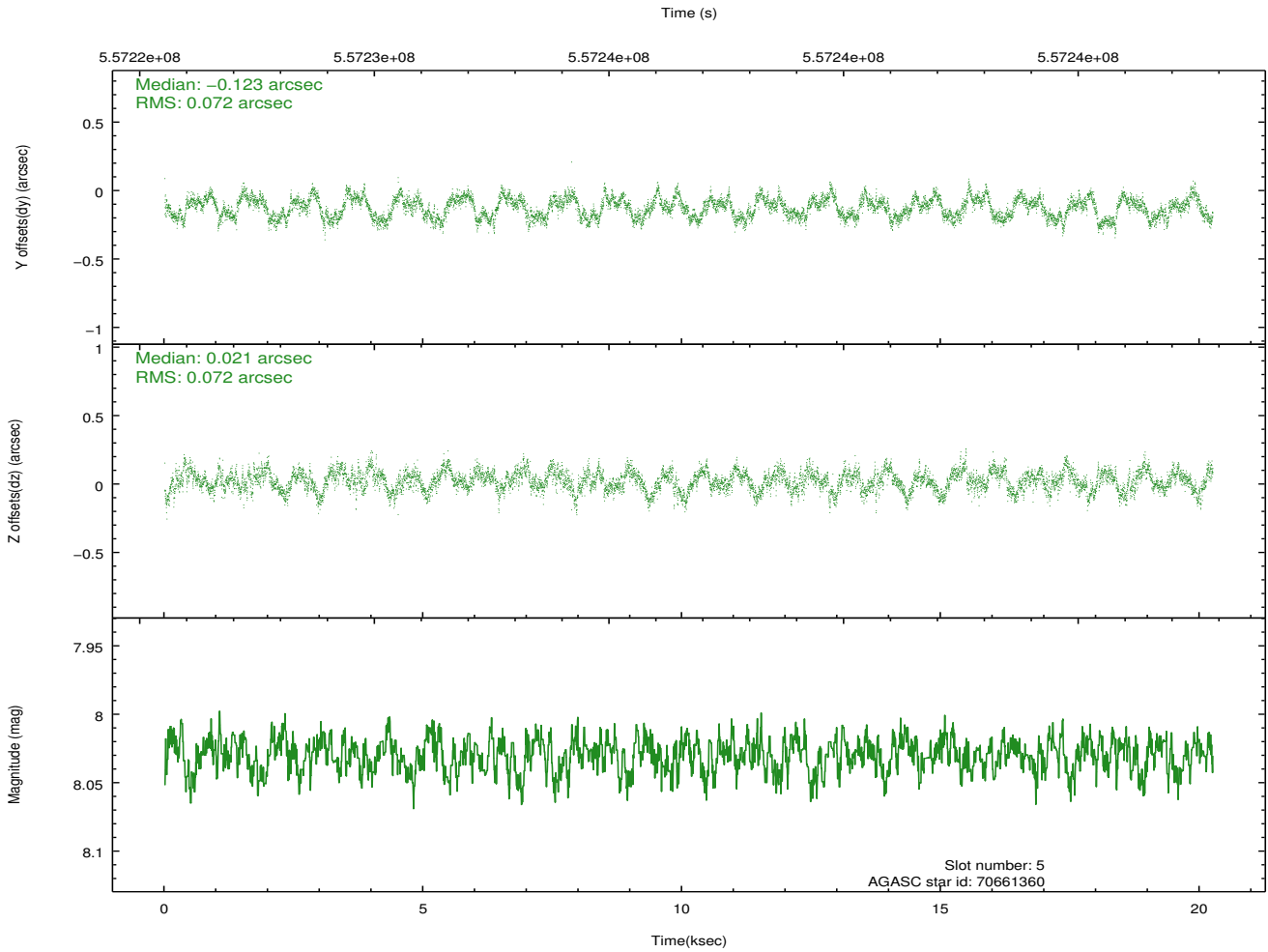
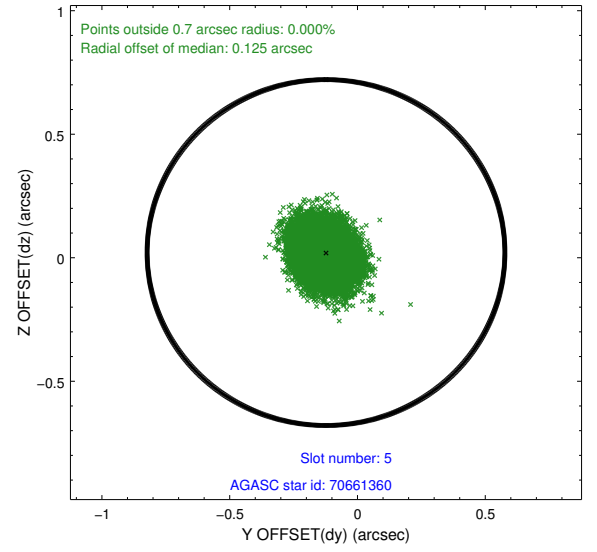
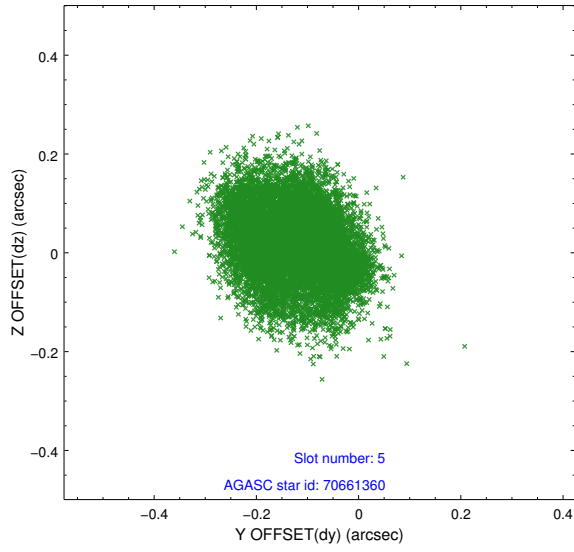
2.4.1 Slot 3



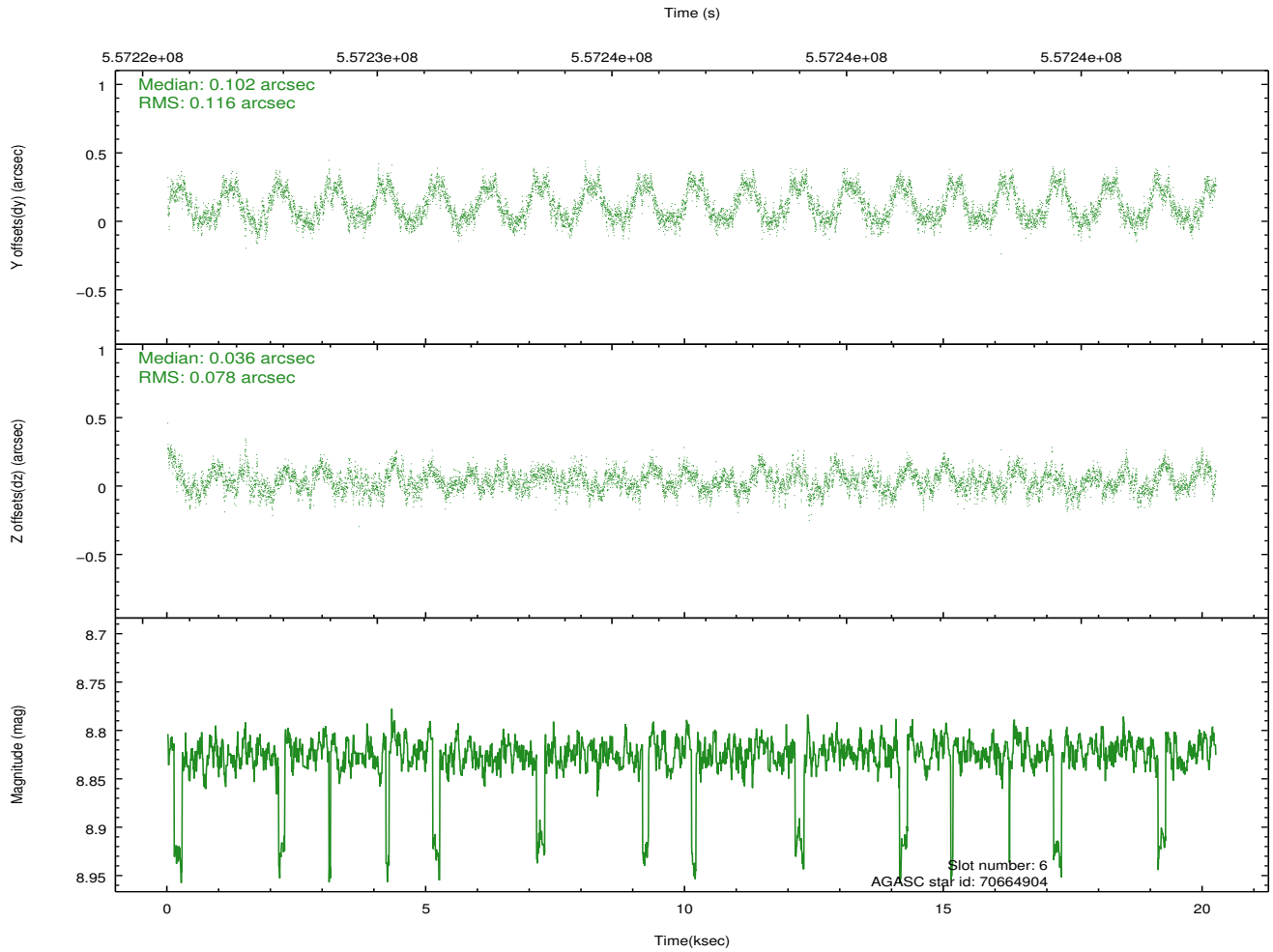
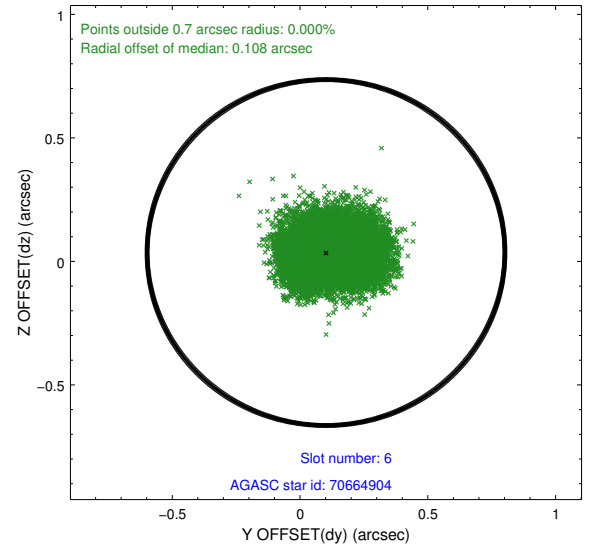
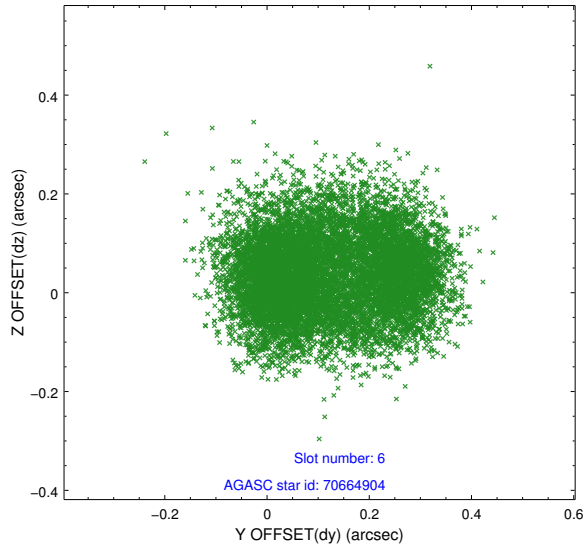
2.4.2 Slot 4



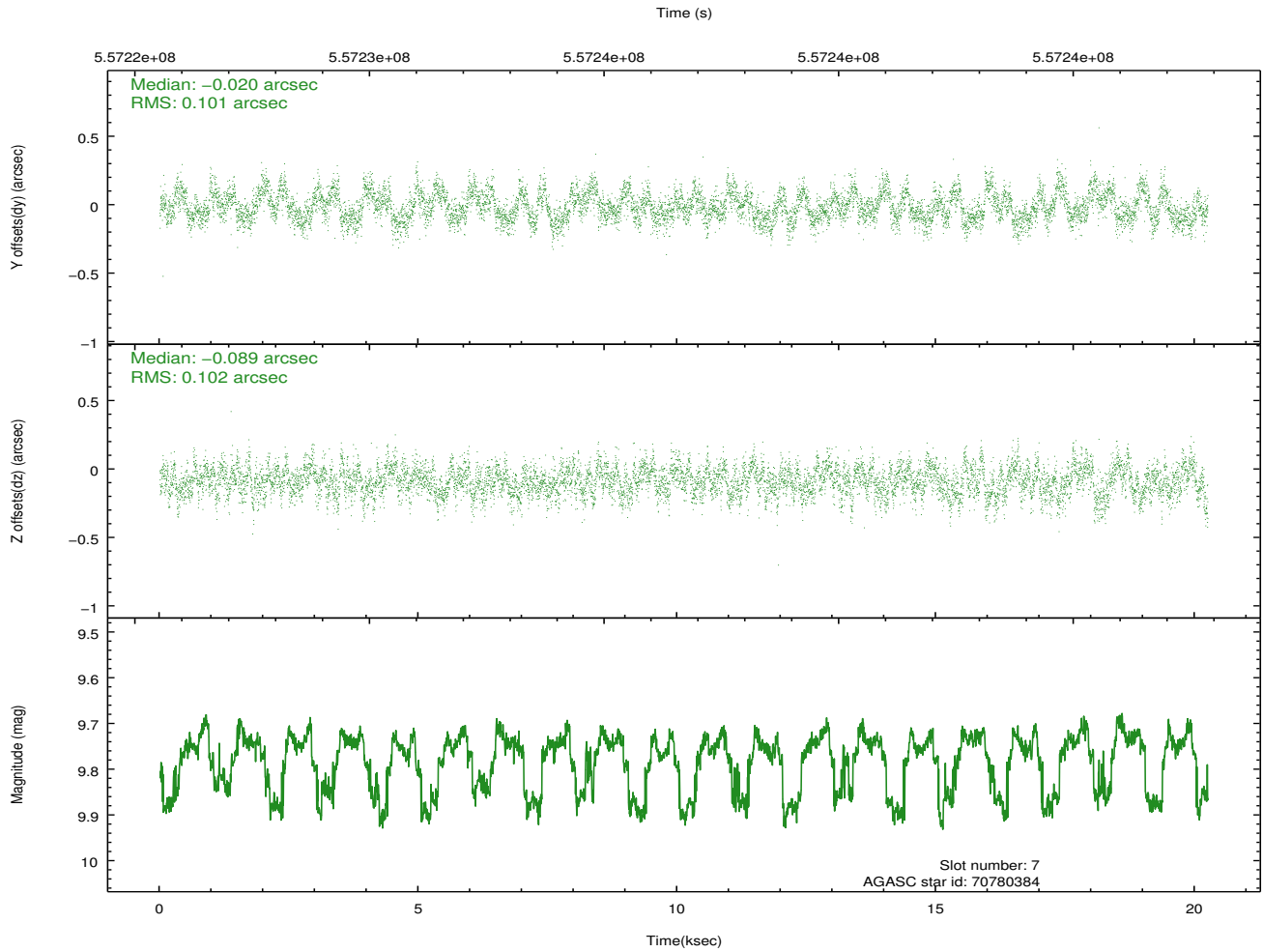
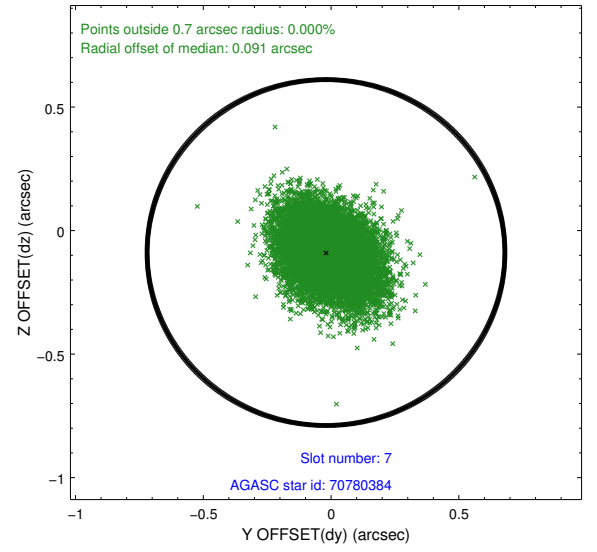
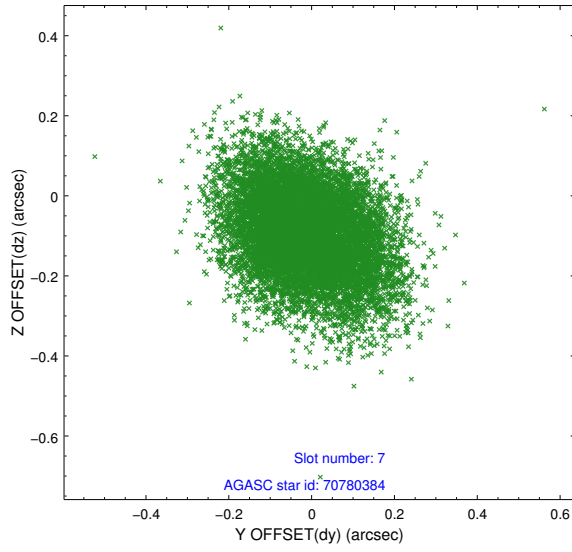
2.4.3 Slot 5



2.4.4 Slot 6

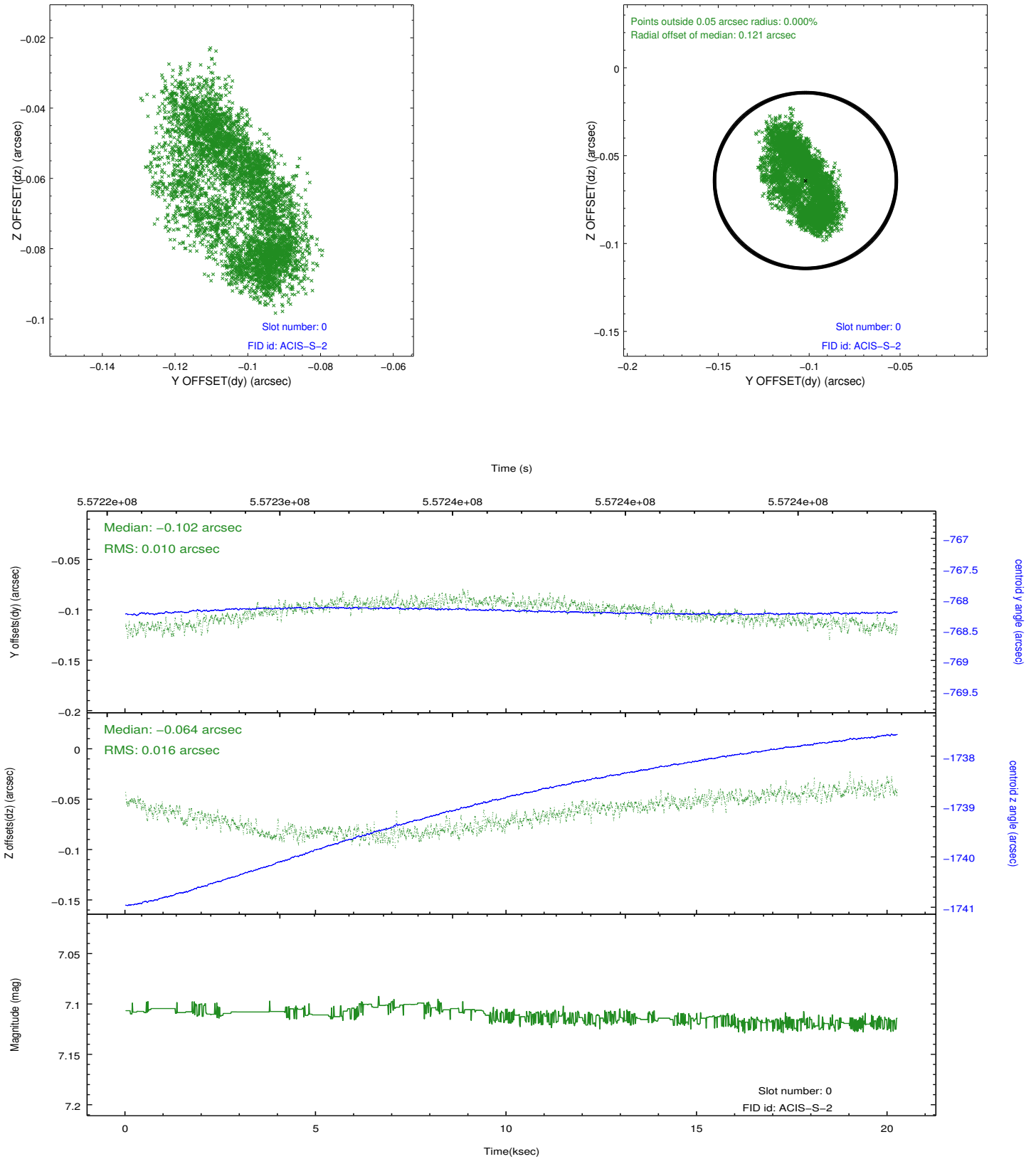


2.4.5 Slot 7

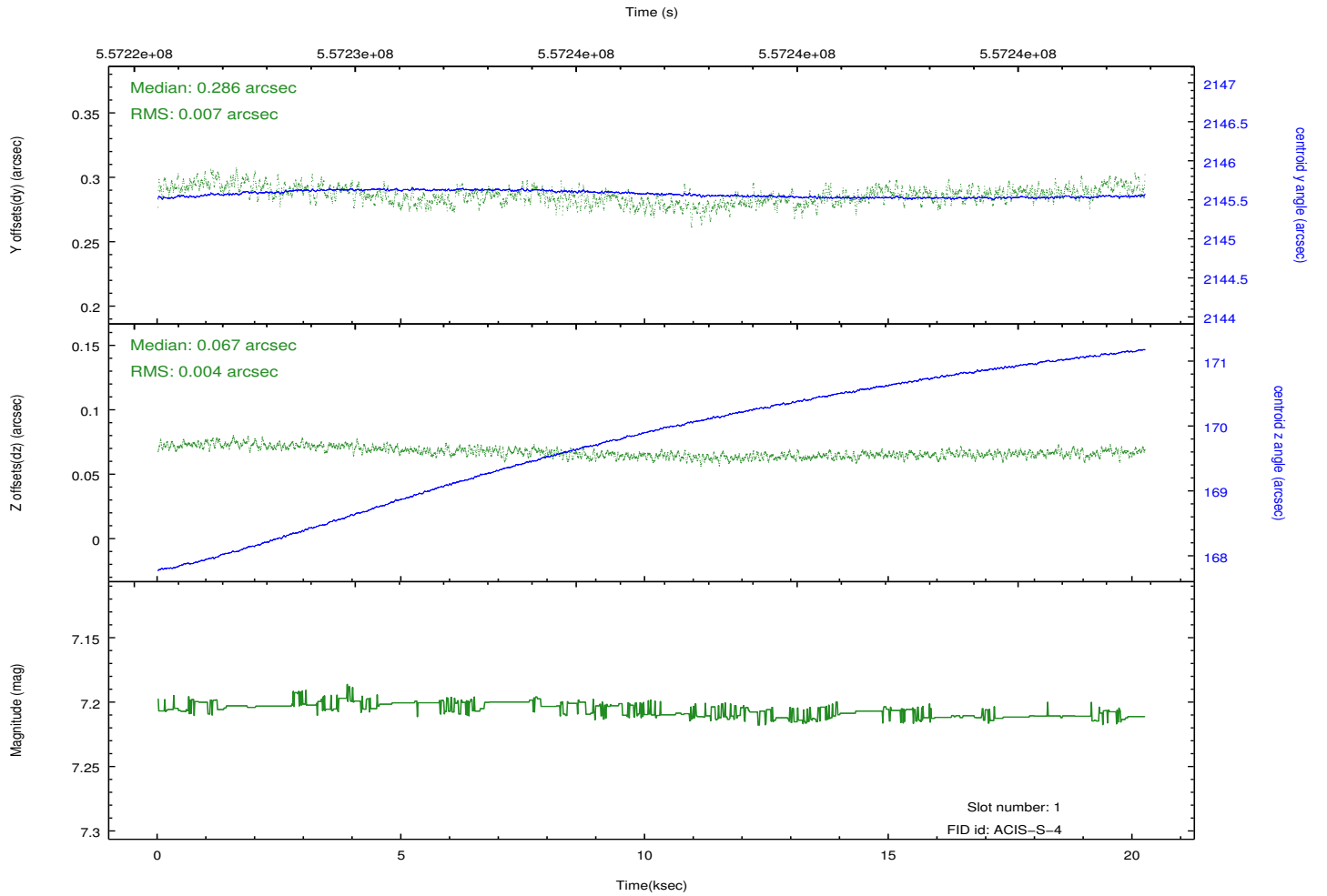
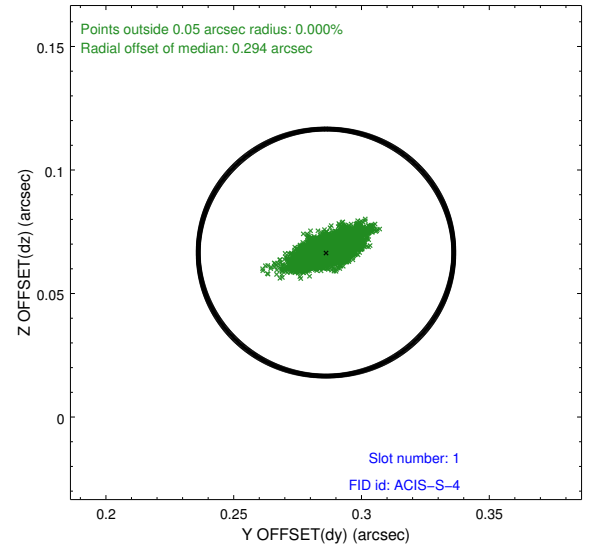
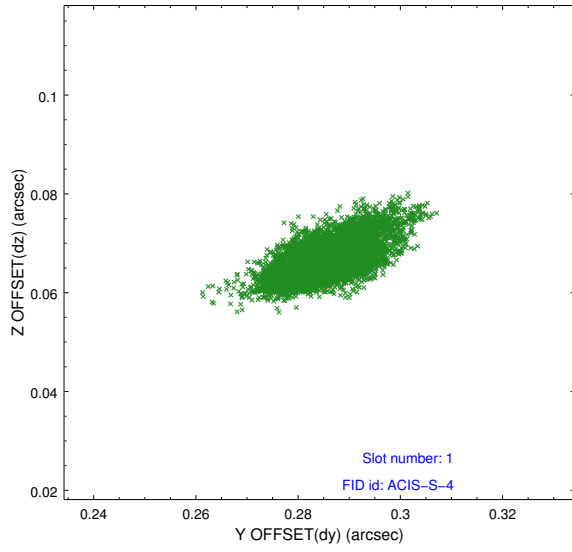


2.5 FID Slots

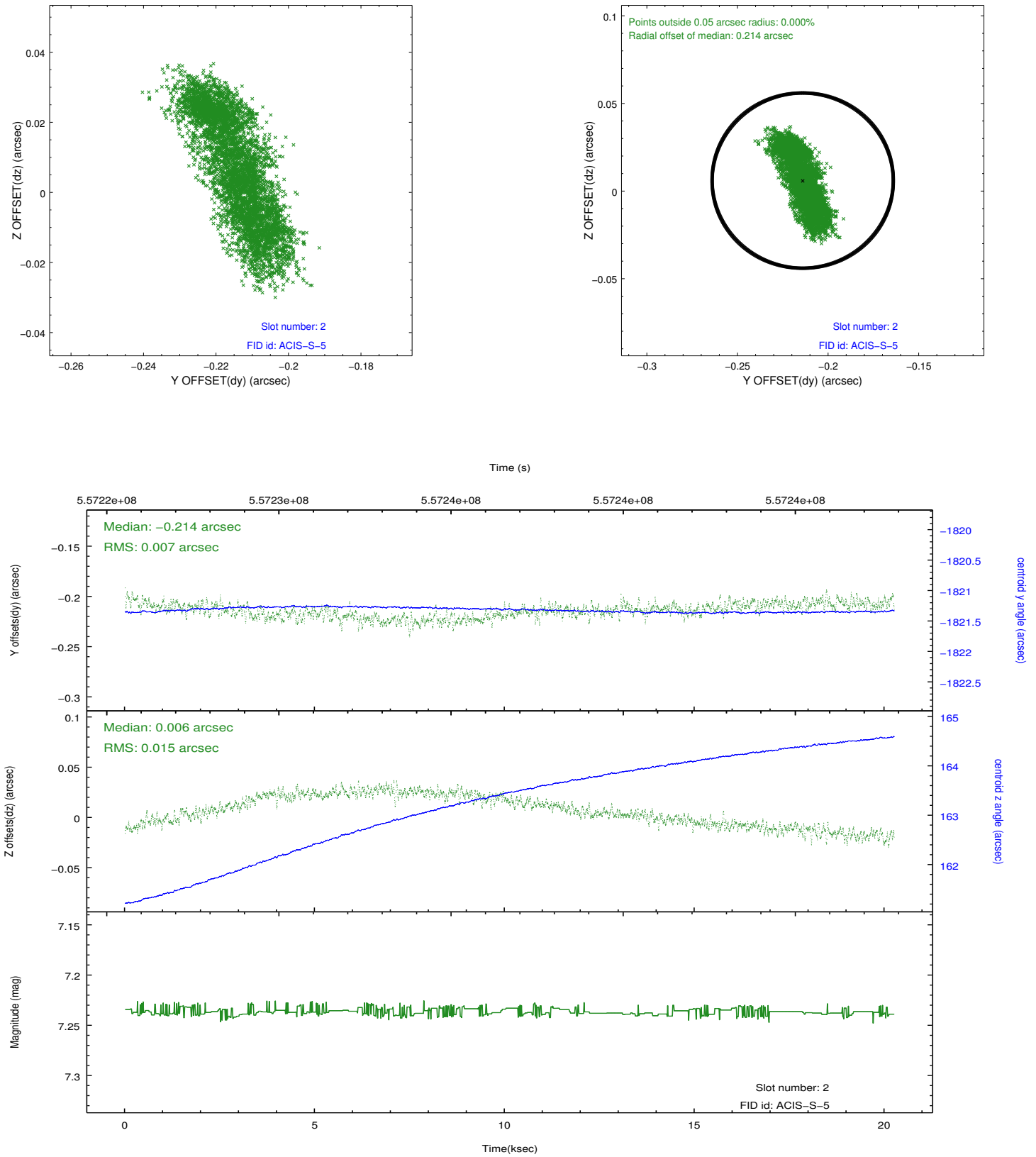
2.5.1 Slot 0



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)	2015.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.157598798394

A.2 Comments

Joint proposal with HST.