

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11431 - L2 Version 2
Chandra X-Ray Center

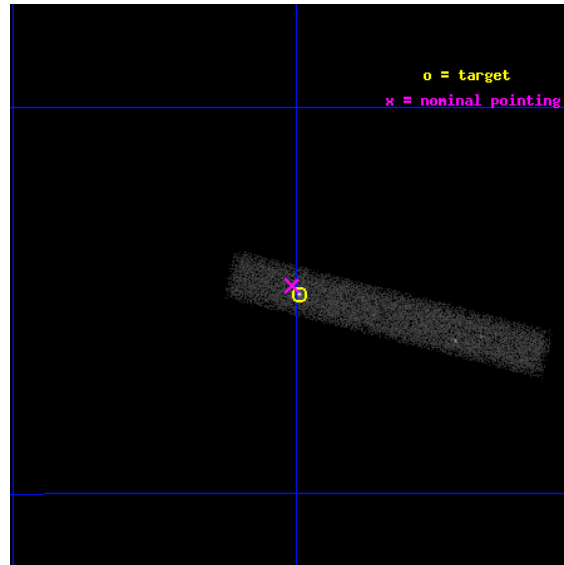
L2 Processing Date : Jun 18 2012

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1 Front

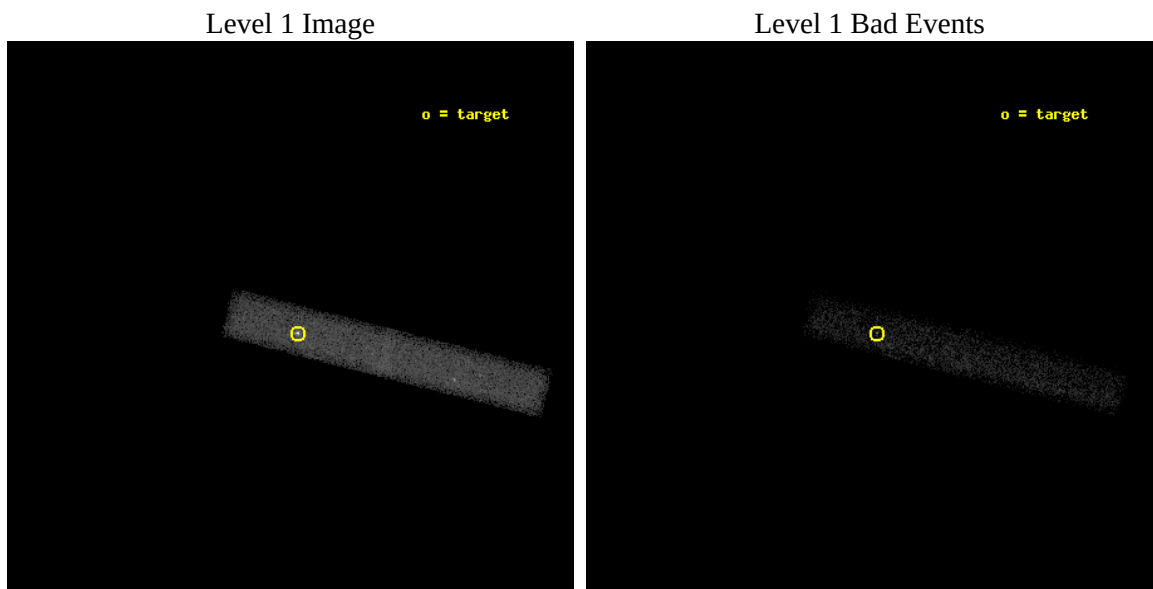
seq_num	702017	Sequence number
obs_id	11431	Observation id
title	The nature of X-ray jets in powerful core-dominated quasars	Propos
observer	Dr Martin Hardcastle	Principal investigator
object	PKS 0605-085	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	91.99875	Observer's specified target RA [deg]
dec_targ	-8.580556	Observer's specified target Dec [deg]
ra_nom	92.002153456323	Nominal RA [deg]
dec_nom	-8.5770907849501	Nominal Dec [deg]
roll_nom	14.157133273979	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29186.798260331	Sum of GTIs [s]
livetime	26470.885416589	Livetime [s]
ontime7	29186.798260331	Sum of GTIs [s]
l2events	27770	Number of level 2 events



2 OBI

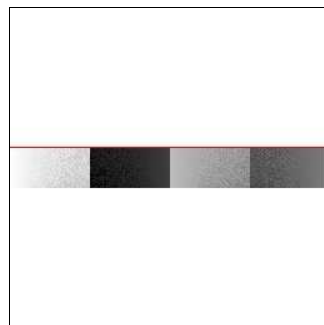
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29186.798260331	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	29186.798260331	Sum of GTIs [s]
date	2012-06-18T06:50:05	Date and time of file creation	l1events	50239	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

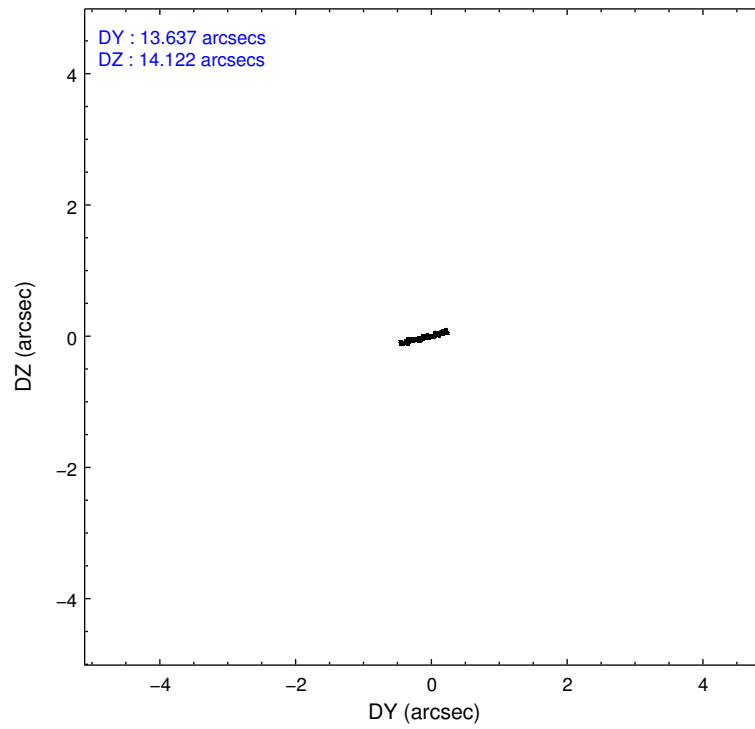
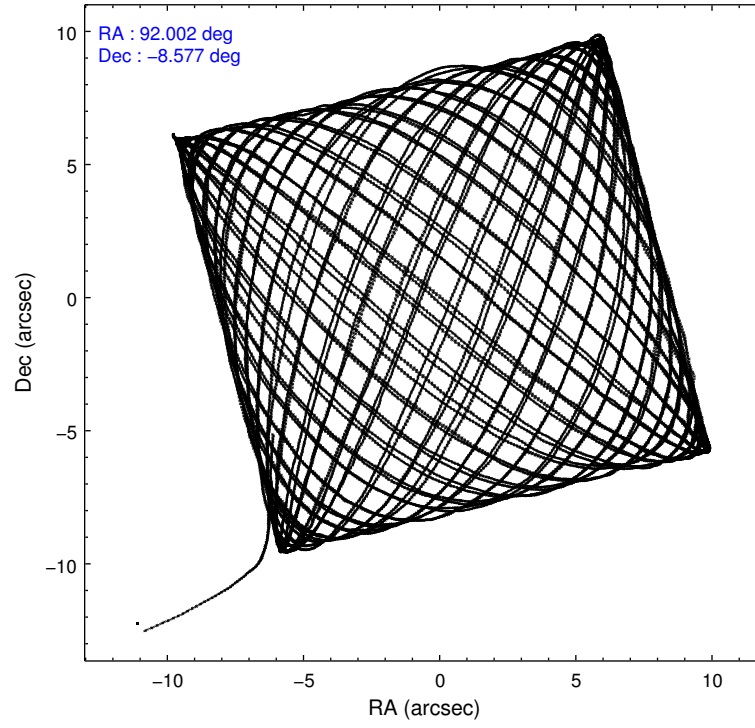
	ccd 7
level 1 events	50239
rejected events	21461
rejected %	42%

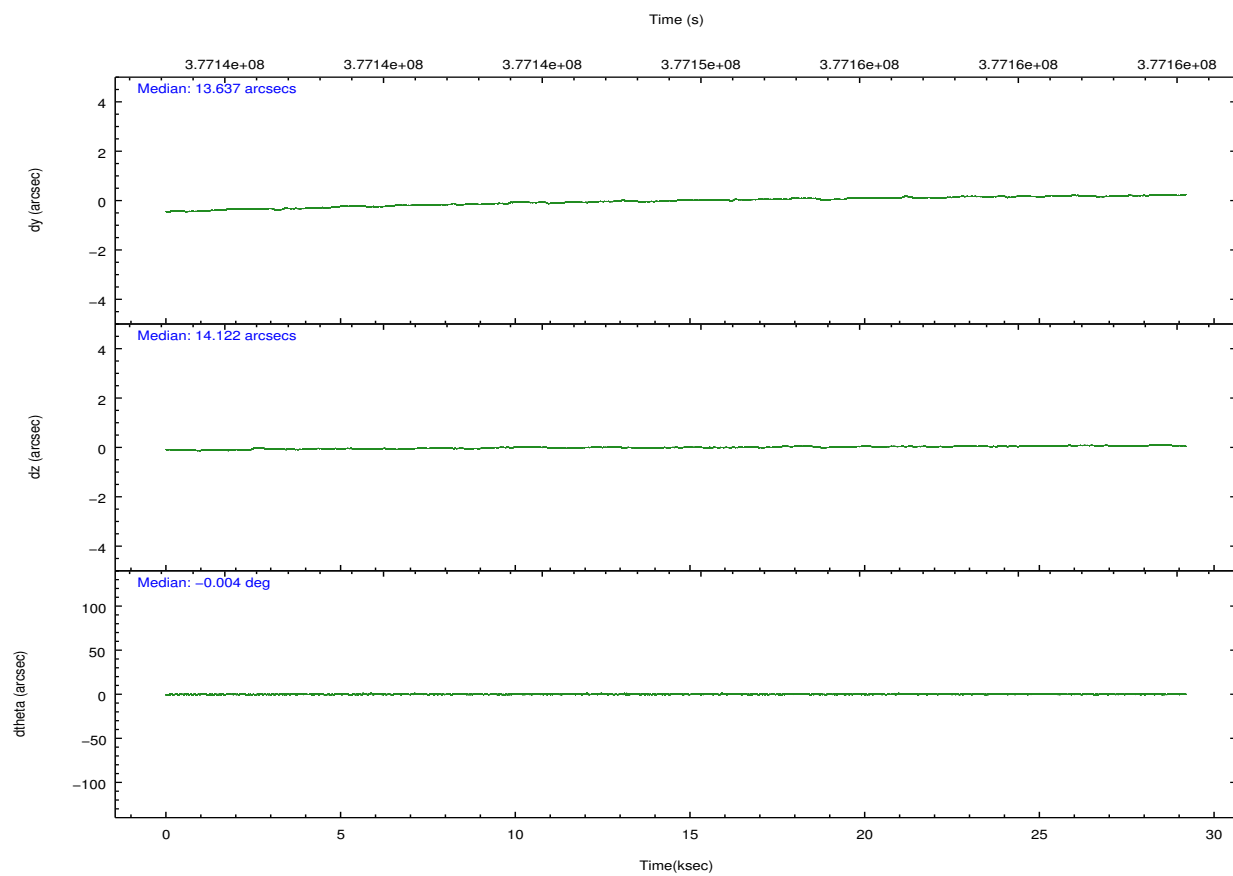
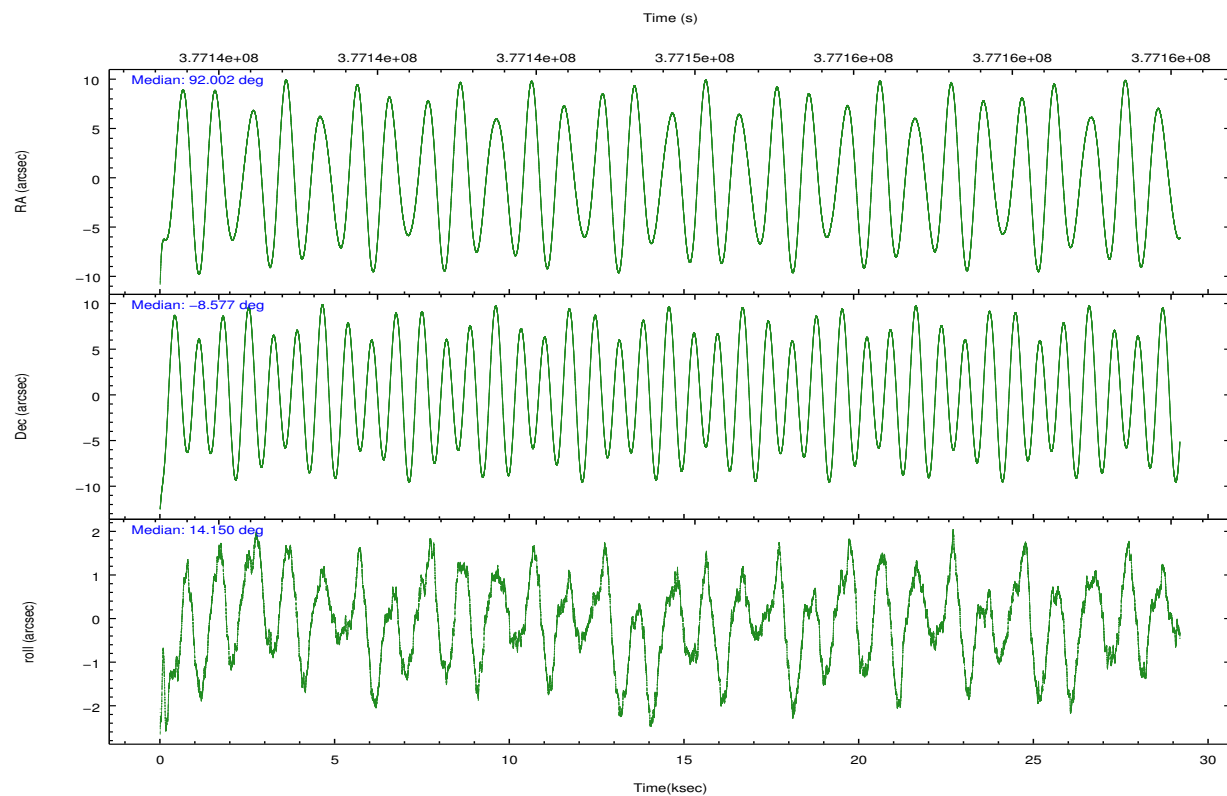
	ccd 7
grade 0 events	4285
	8%
grade 1 events	90
	0%
grade 2 events	6445
	12%
grade 3 events	3988
	7%
grade 4 events	3825
	7%
grade 5 events	4306
	8%
grade 6 events	11347
	22%
grade 7 events	15953
	31%

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	91.982589	92.00215345632327	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-8.596397	-8.577090784950135	Subarray start row	449	449
[deg] Pointing Roll	13.997586	14.15713327397854	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)	377134818.184000	377133148.89546			
Observation start date	2009-12-13T23:39:12	2009-12-13T23:12:28			
[s] Observation end time (MET)	377163818.184000	377164816.78456			
Observation end date	2009-12-14T07:42:32	2009-12-14T08:00:16			
Read mode	TIMED	TIMED			

2.3 Aspect



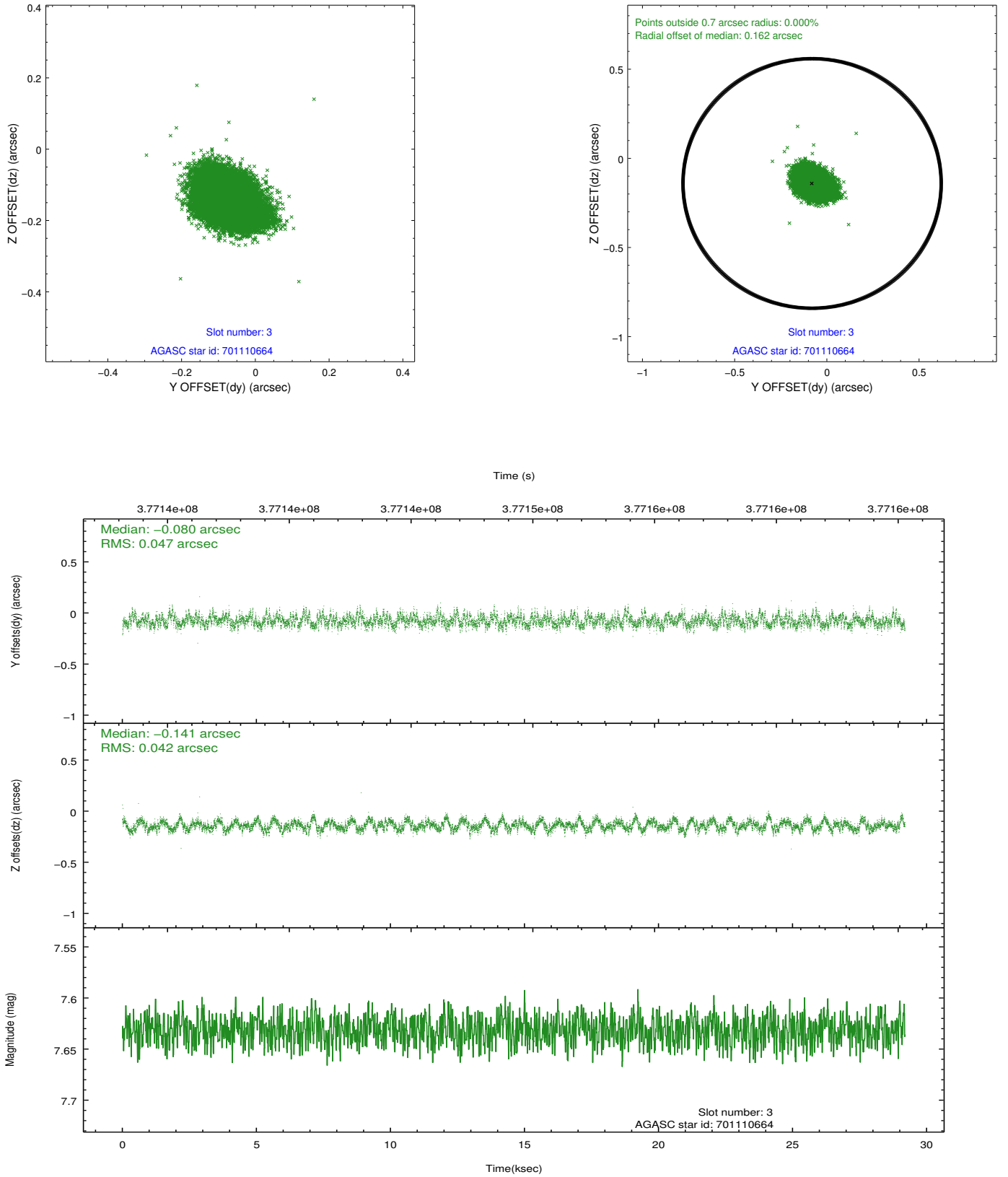


Slot Statistics

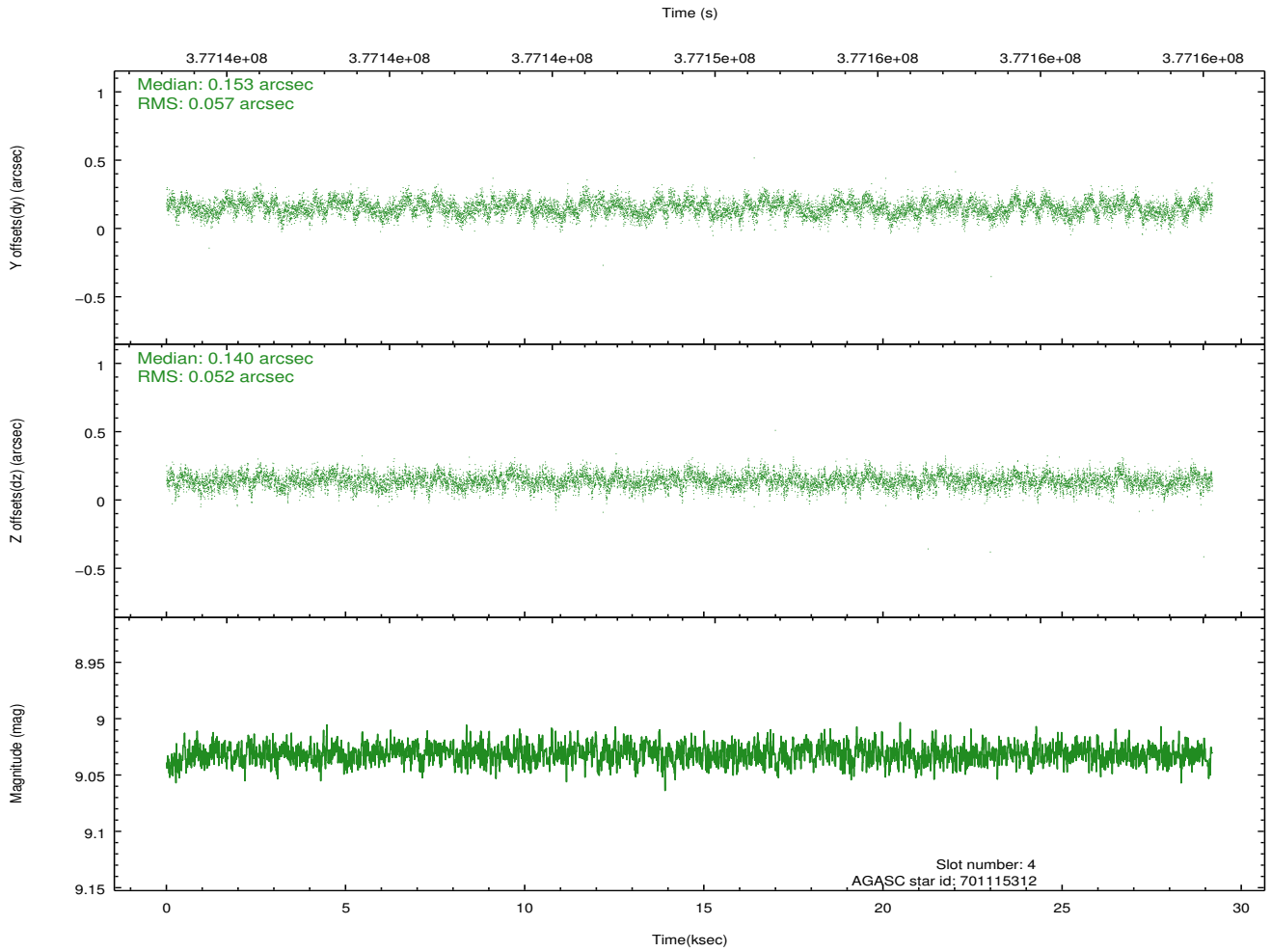
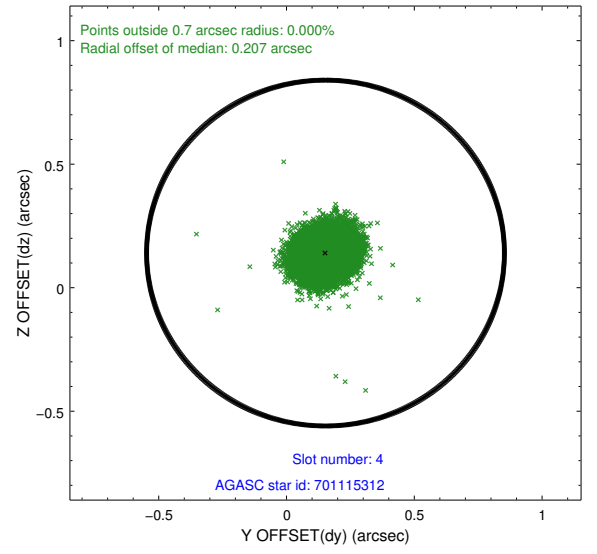
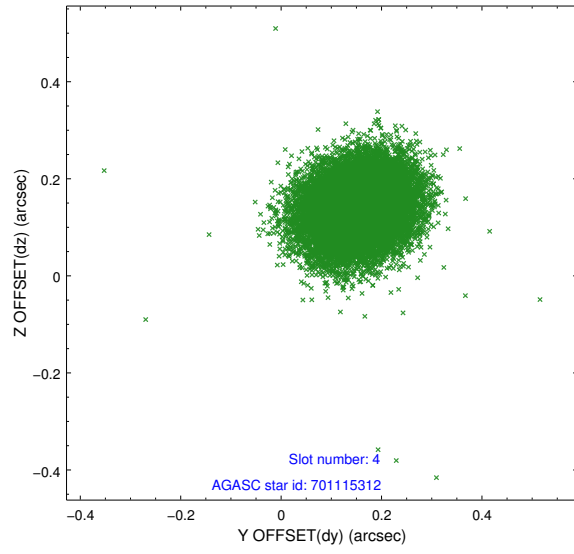
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	7119	-0.048	-0.033	0.010	0.017	0.000000	0.000000	-766.56	-1735.51
1	FID	ACIS-S-4	6.95	7119	0.176	0.032	0.014	0.027	0.000000	0.000000	2146.89	172.97
2	FID	ACIS-S-5	6.98	7118	-0.158	0.010	0.008	0.014	0.000000	0.000000	-1819.43	166.69
3	GUIDE	701110664	7.63	14237	-0.080	-0.141	0.068	0.108	91.584158	-8.350270	-1162.81	1202.21
4	GUIDE	701115312	9.03	14218	0.153	0.140	0.082	0.132	91.551680	-8.877721	-1731.86	-613.10
5	GUIDE	702822352	8.04	14234	-0.086	0.072	0.075	0.119	92.326569	-9.127061	723.87	-2149.58
6	GUIDE	701114072	9.40	14226	0.122	0.112	0.113	0.182	91.498132	-9.350911	-2326.45	-2220.67
7	GUIDE	702823864	7.11	14170	-0.118	-0.186	0.067	0.111	92.190386	-7.936361	1293.26	2126.05

2.4 Star Slots

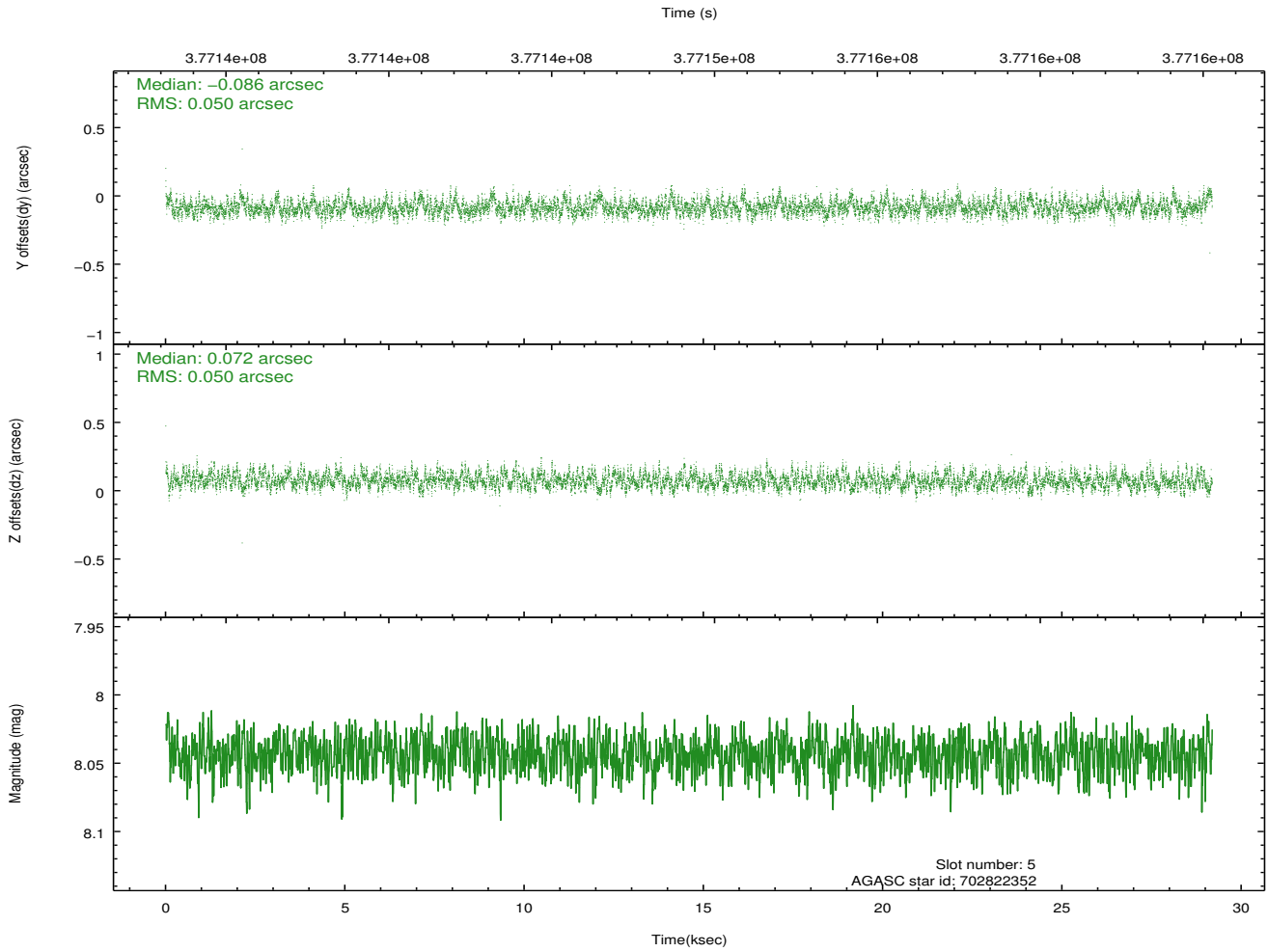
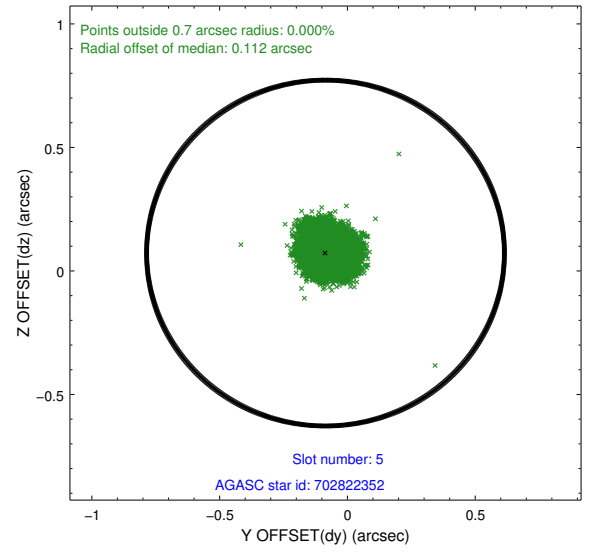
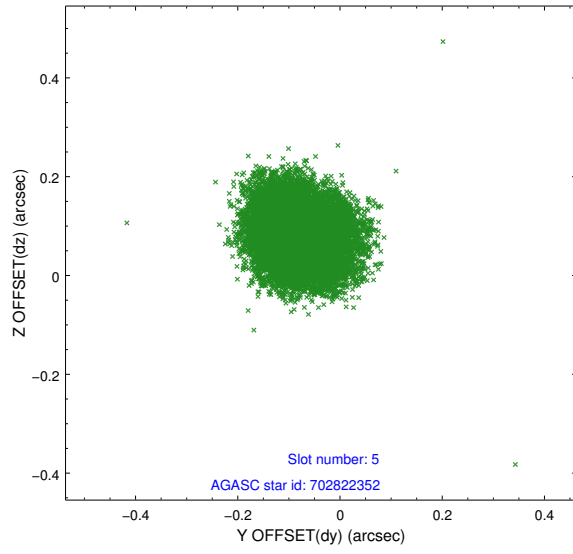
2.4.1 Slot 3



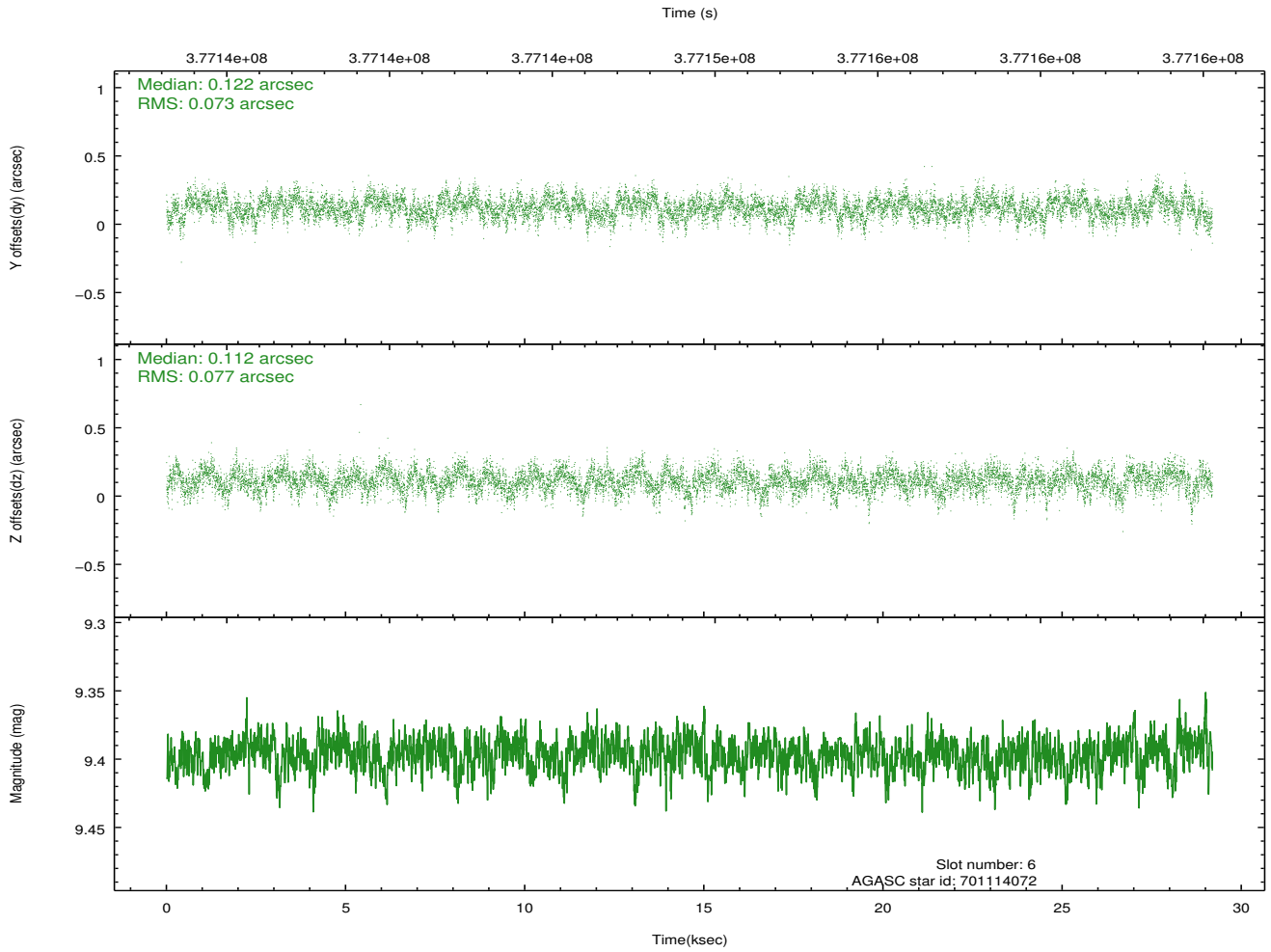
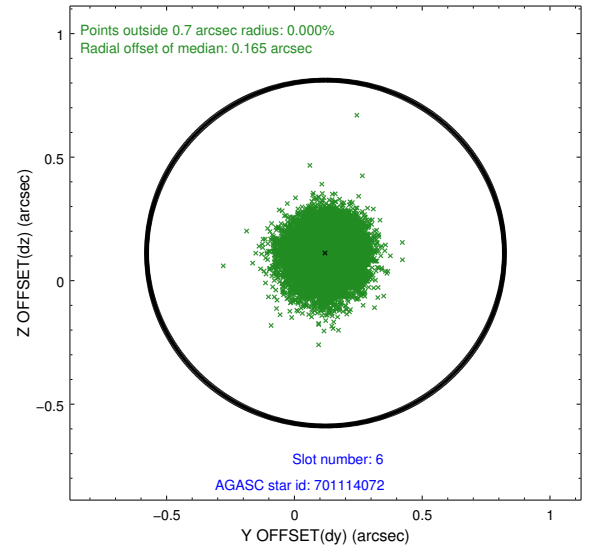
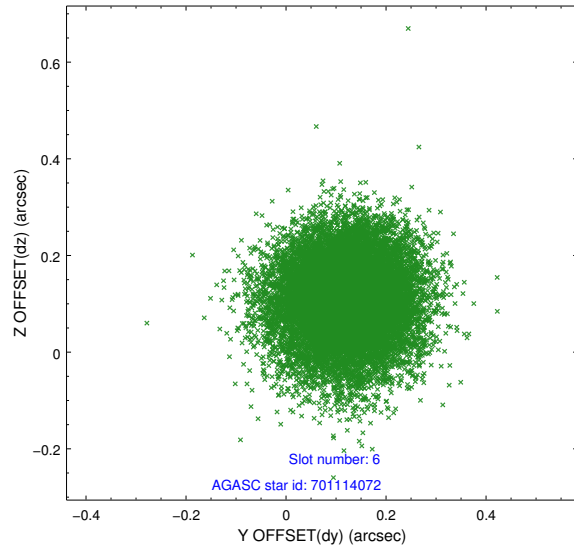
2.4.2 Slot 4



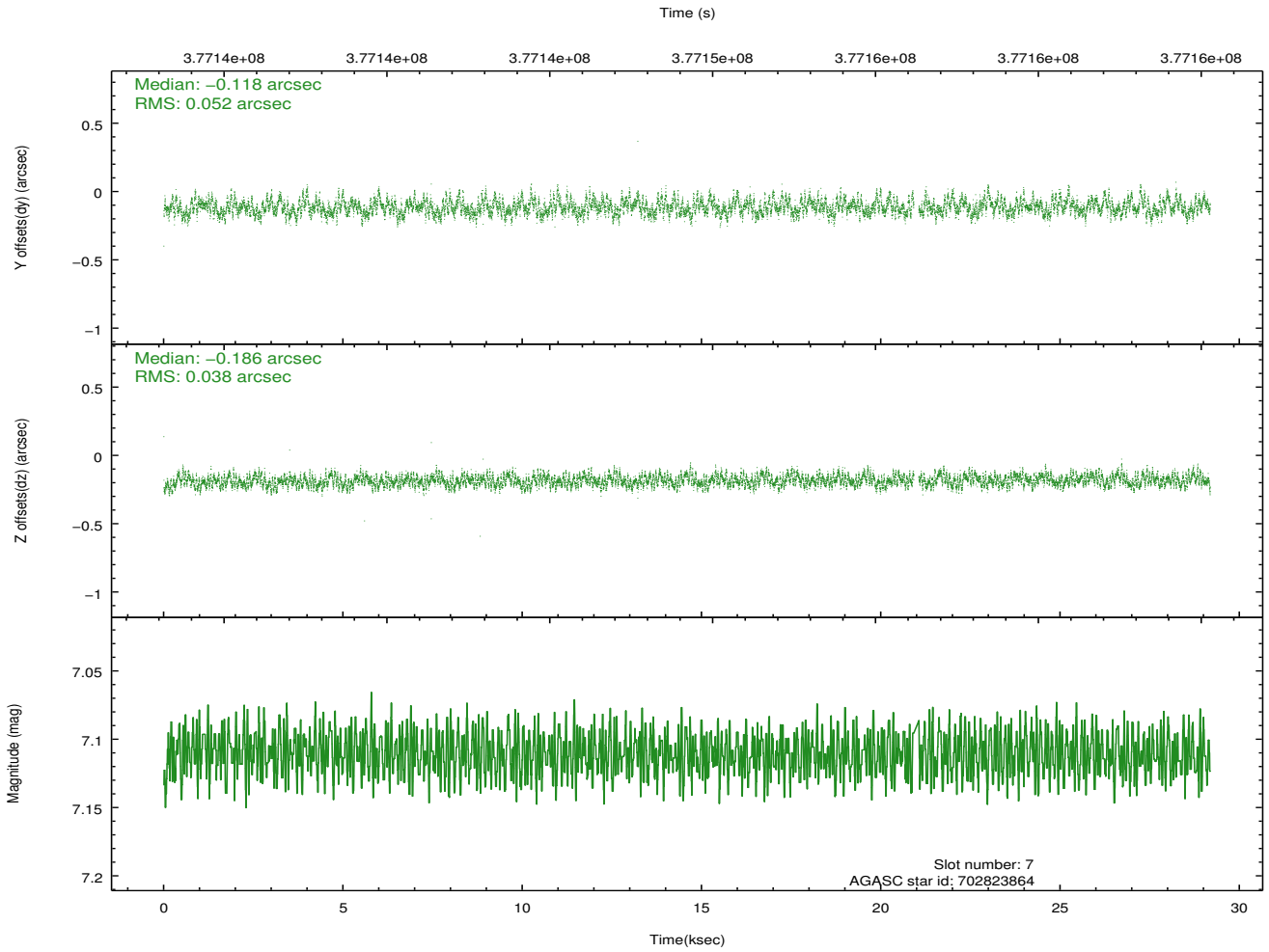
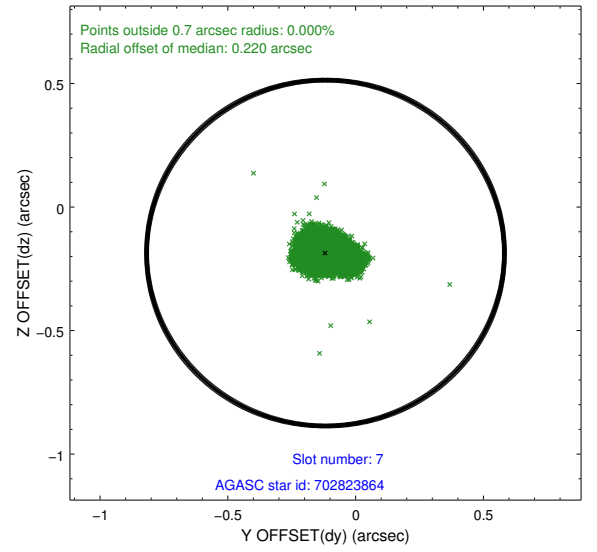
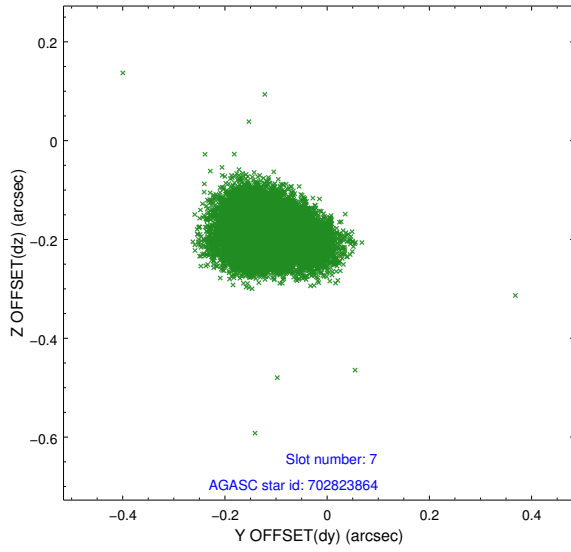
2.4.3 Slot 5



2.4.4 Slot 6

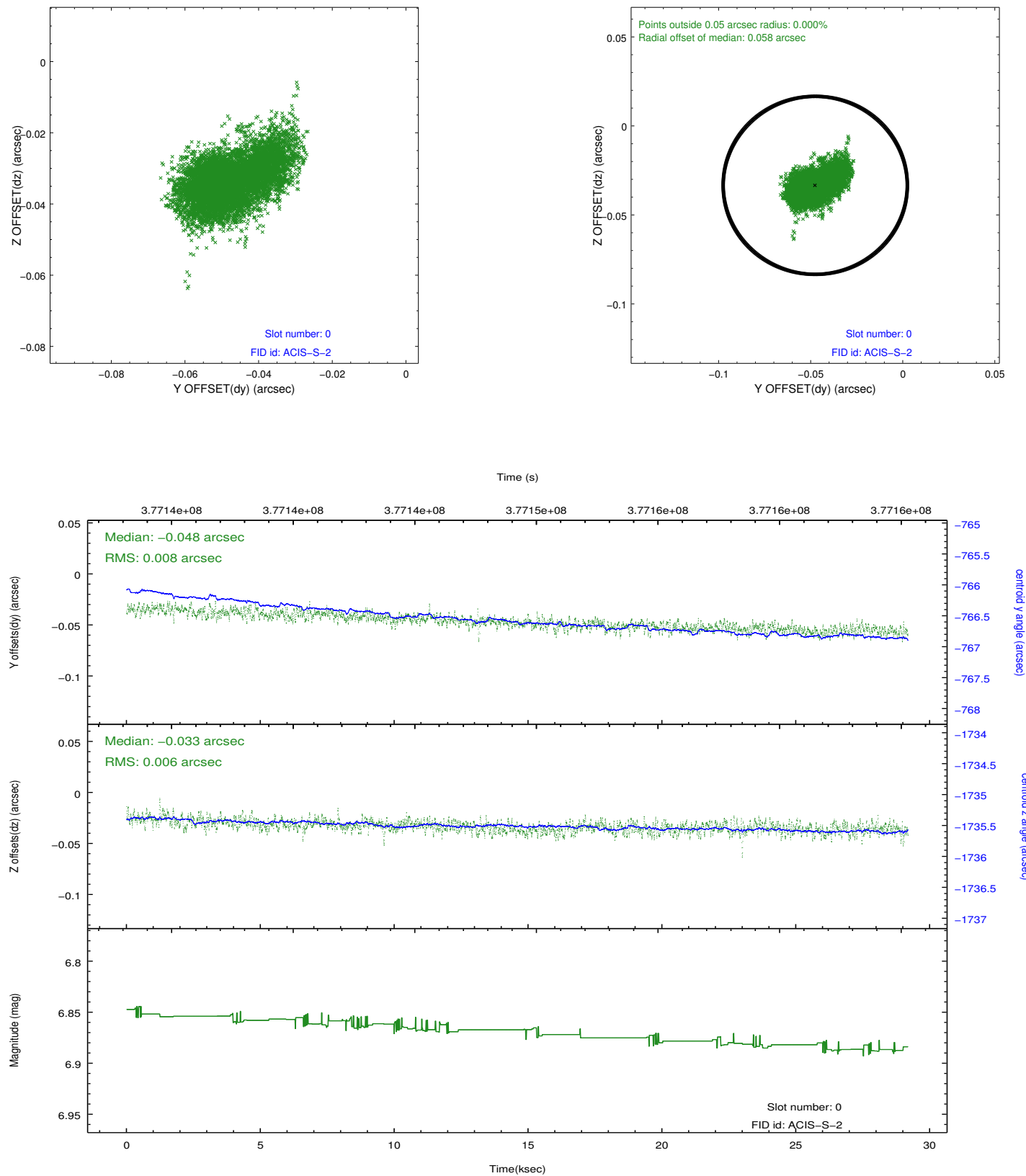


2.4.5 Slot 7

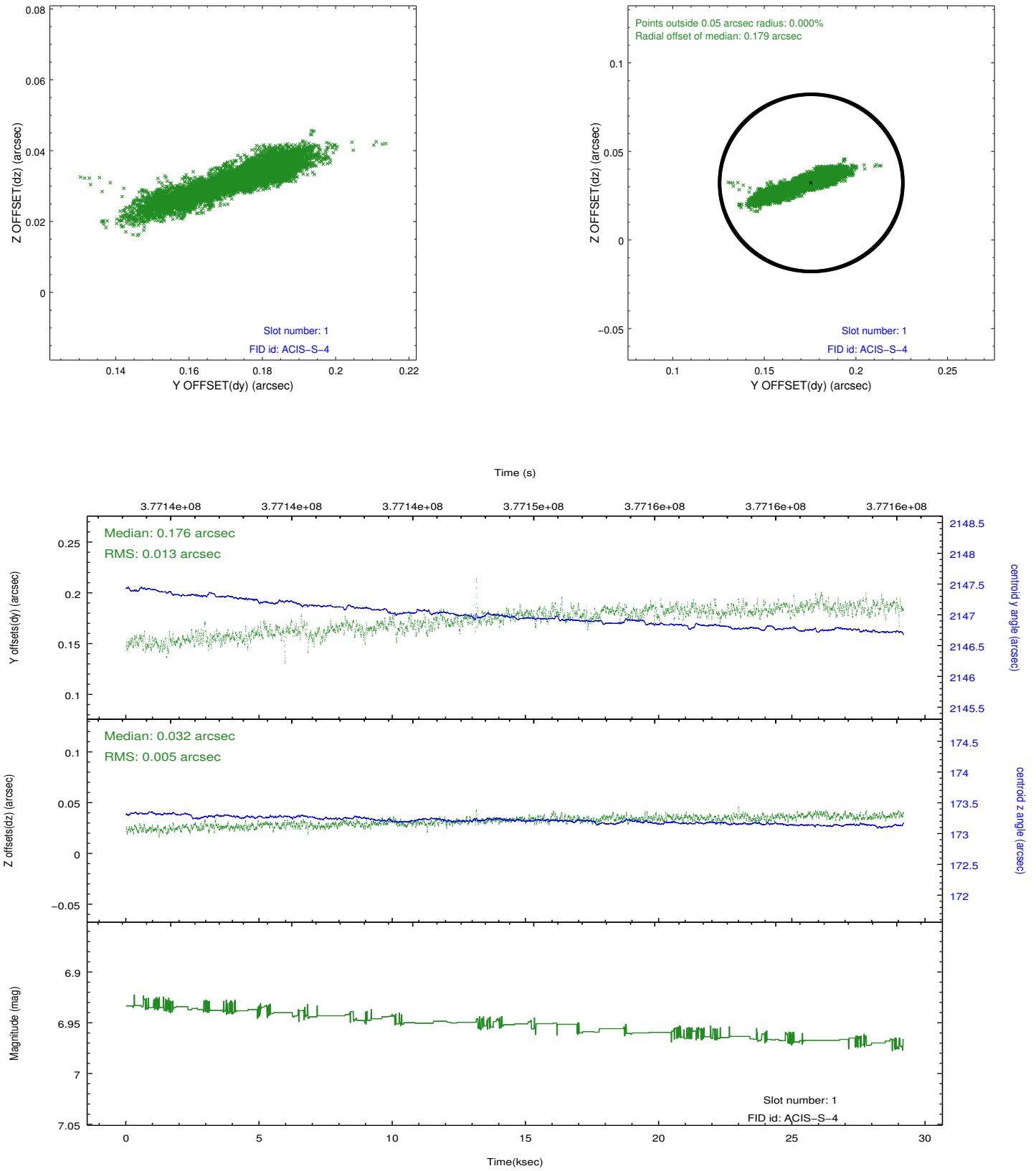


2.5 FID Slots

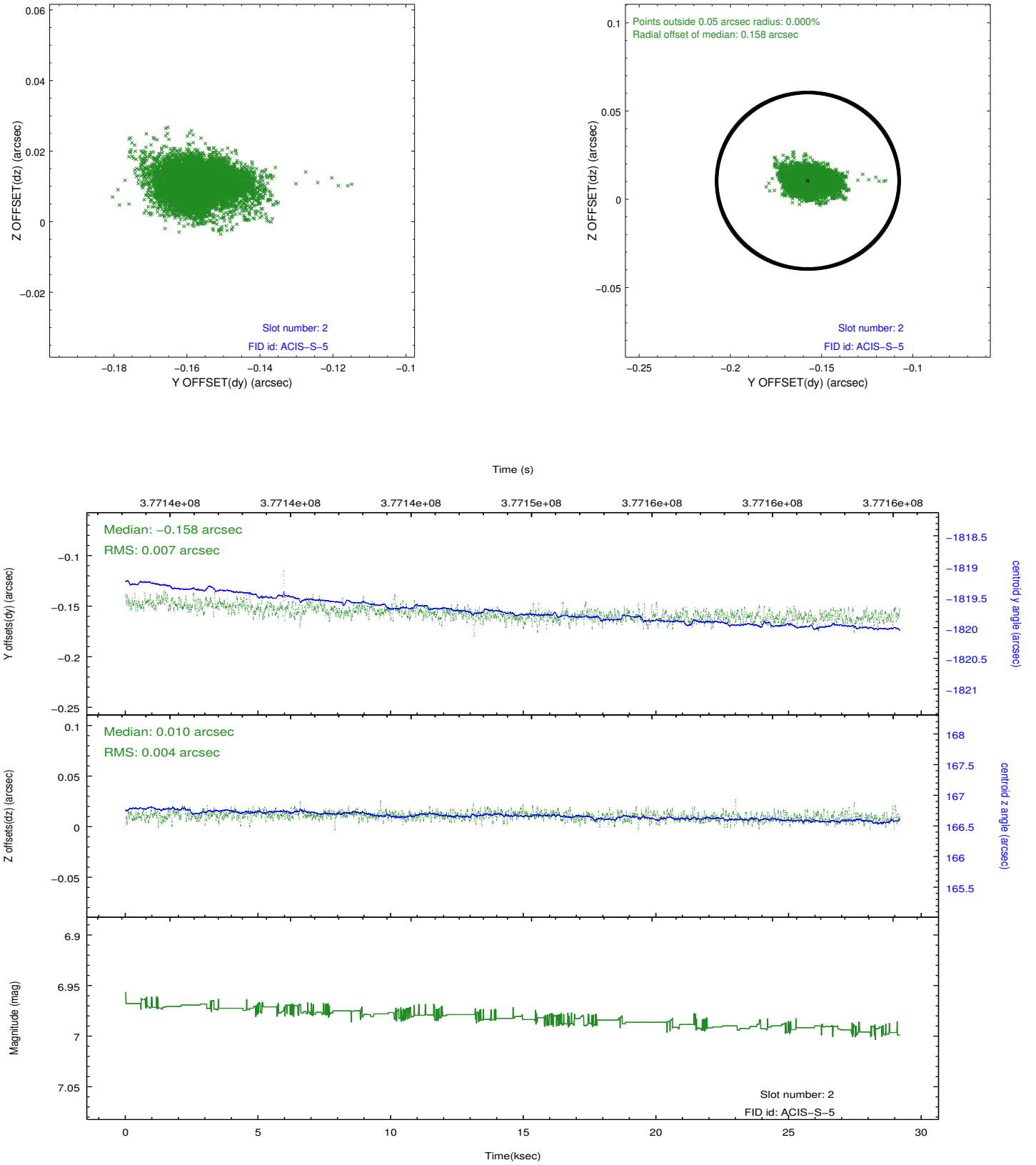
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.186798260331

A.2 Comments