

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4877 - L2 Version 3
Chandra X-Ray Center

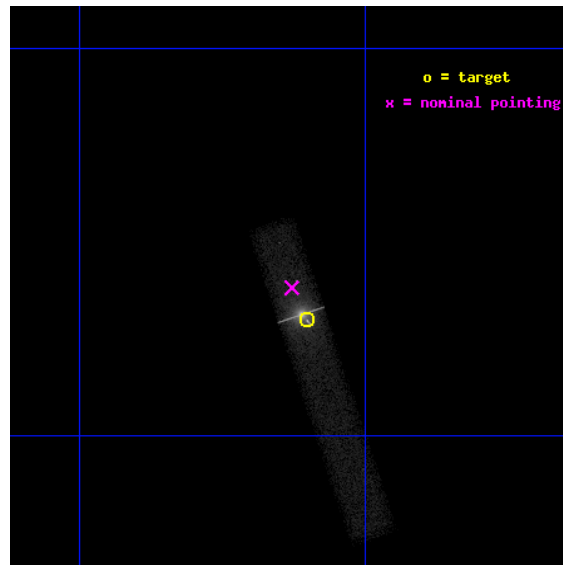
L2 Processing Date : Nov 11 2012

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1 Front

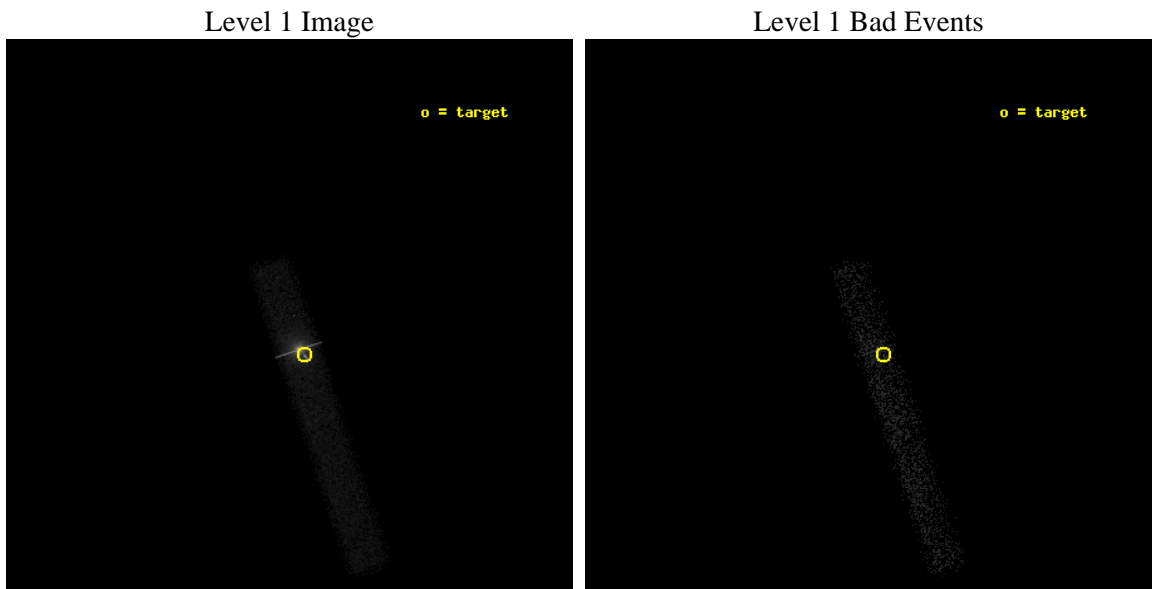
seq_num	700959	Sequence number
obs_id	4877	Observation id
title	The X-ray emission mechanism in 3C273's jet	Proposal title
observer	Dr. Sebastian Jester	Principal investigator
object	3C273-JET	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.275833	Observer's specified target RA [deg]
dec_targ	2.050111	Observer's specified target Dec [deg]
ra_nom	187.28223008839	Nominal RA [deg]
dec_nom	2.0638203843315	Nominal Dec [deg]
roll_nom	71.502144442219	Nominal Roll [deg]
revision	3	Processing version of data
ontime	38438.000572741	Sum of GTIs [s]
livetime	34861.237595448	Livetime [s]
ontime7	38438.000572741	Sum of GTIs [s]
l2events	101872	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	37998.518000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	38438.000572741	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	38438.000572741	Sum of GTIs [s]
date	2012-11-11T17:19:36	Date and time of file creation	l1events	200983	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

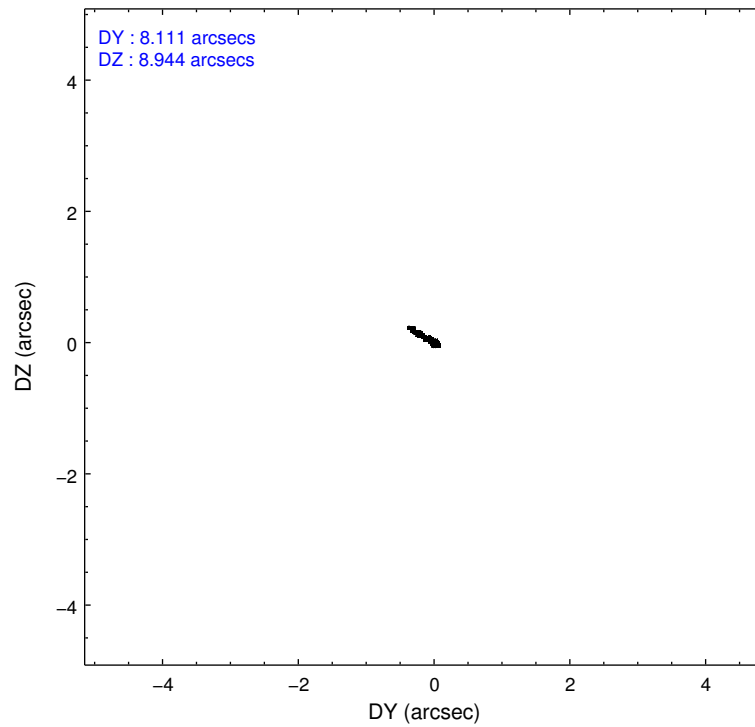
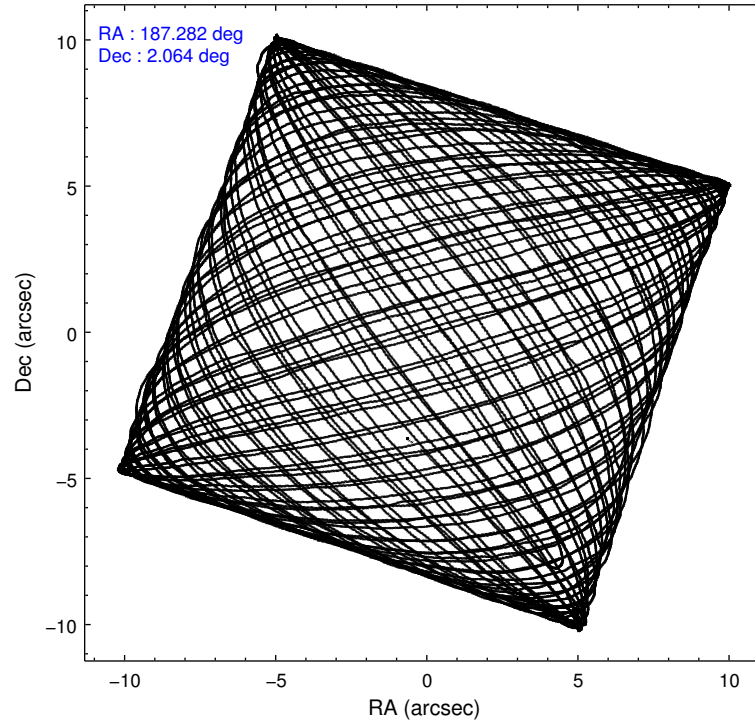
	ccd 7
level 1 events	200983
rejected events	98413
rejected %	48%

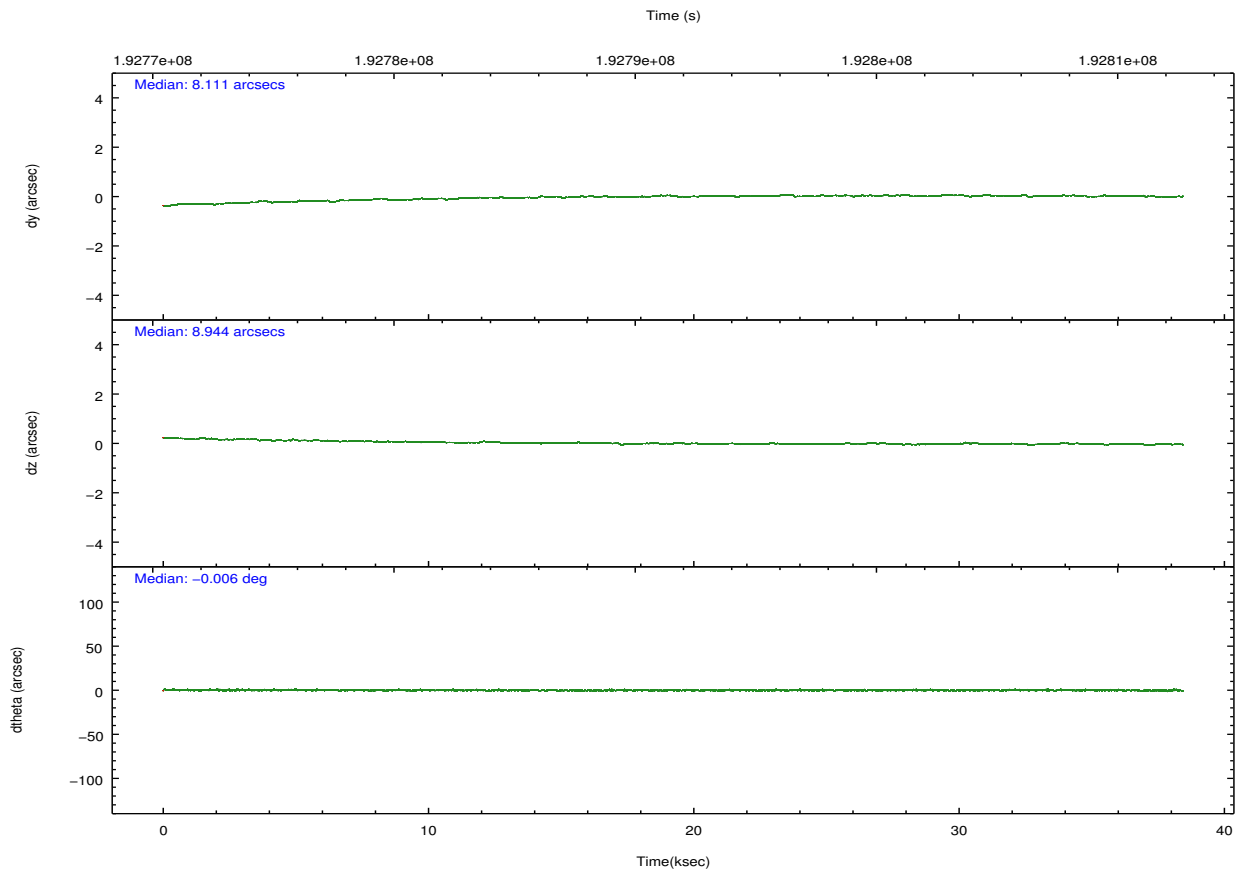
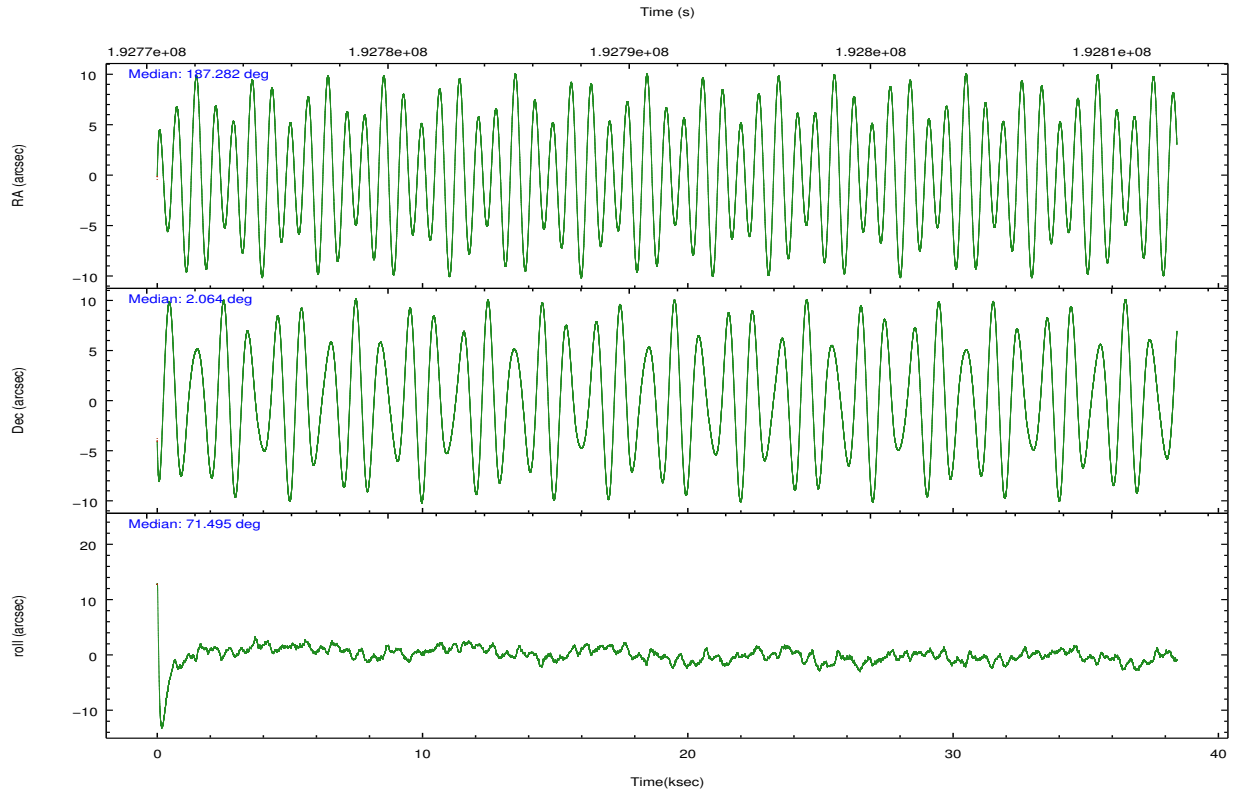
	ccd 7
grade 0 events	22809
	11%
grade 1 events	1860
	0%
grade 2 events	20939
	10%
grade 3 events	10333
	5%
grade 4 events	10030
	4%
grade 5 events	12479
	6%
grade 6 events	38891
	19%
grade 7 events	83642
	41%

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	187.288020	187.2822300883868	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	2.037206	2.063820384331524	Subarray start row	115	115
[deg] Pointing Roll	71.345300	71.50214444221885	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	-182.132523	-182.139514760308			
[mm] SIM translation stage offset	-8	-7.993007822699838			
[s] Observation start time (MET)	192772790.184000	192771702.97428			
Observation start date	2004-02-10T03:58:46	2004-02-10T03:41:42			
[s] Observation end time (MET)	192810788.184000	192811102.95101			
Observation end date	2004-02-10T14:32:04	2004-02-10T14:38:22			
Read mode	TIMED	TIMED			

2.3 Aspect



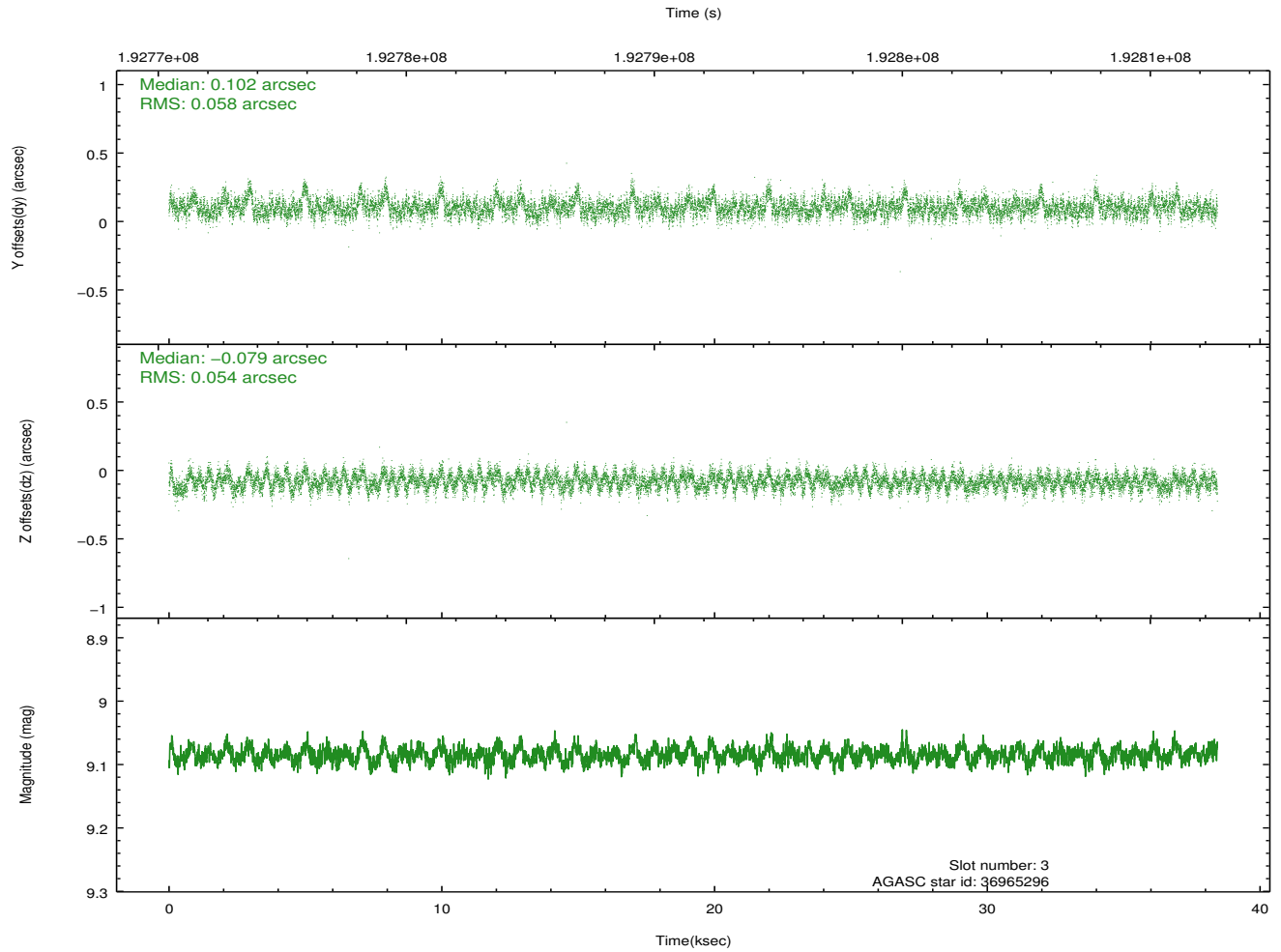
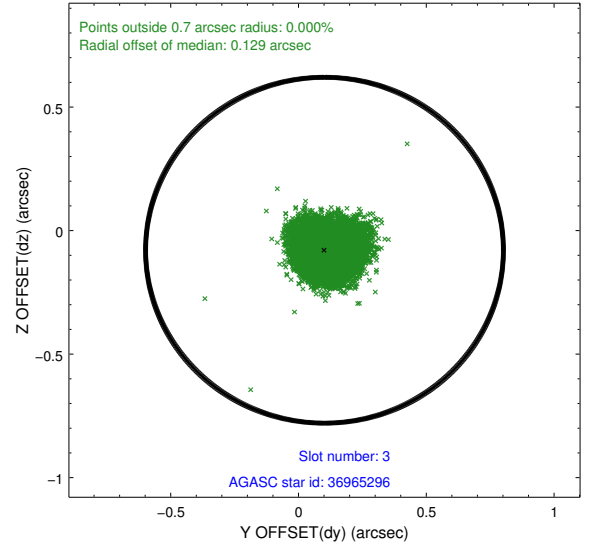
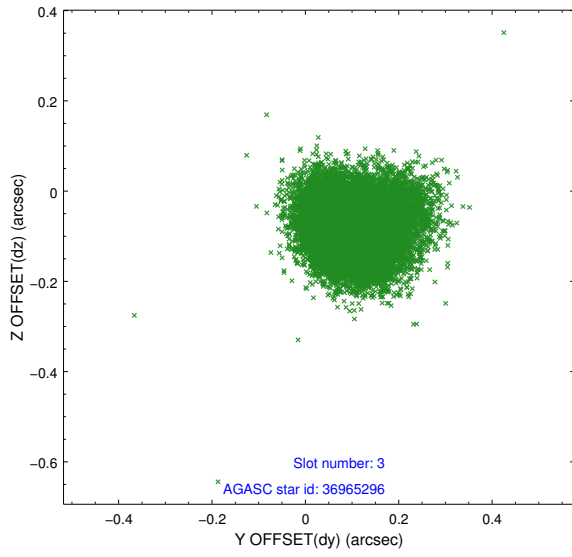


Slot Statistics

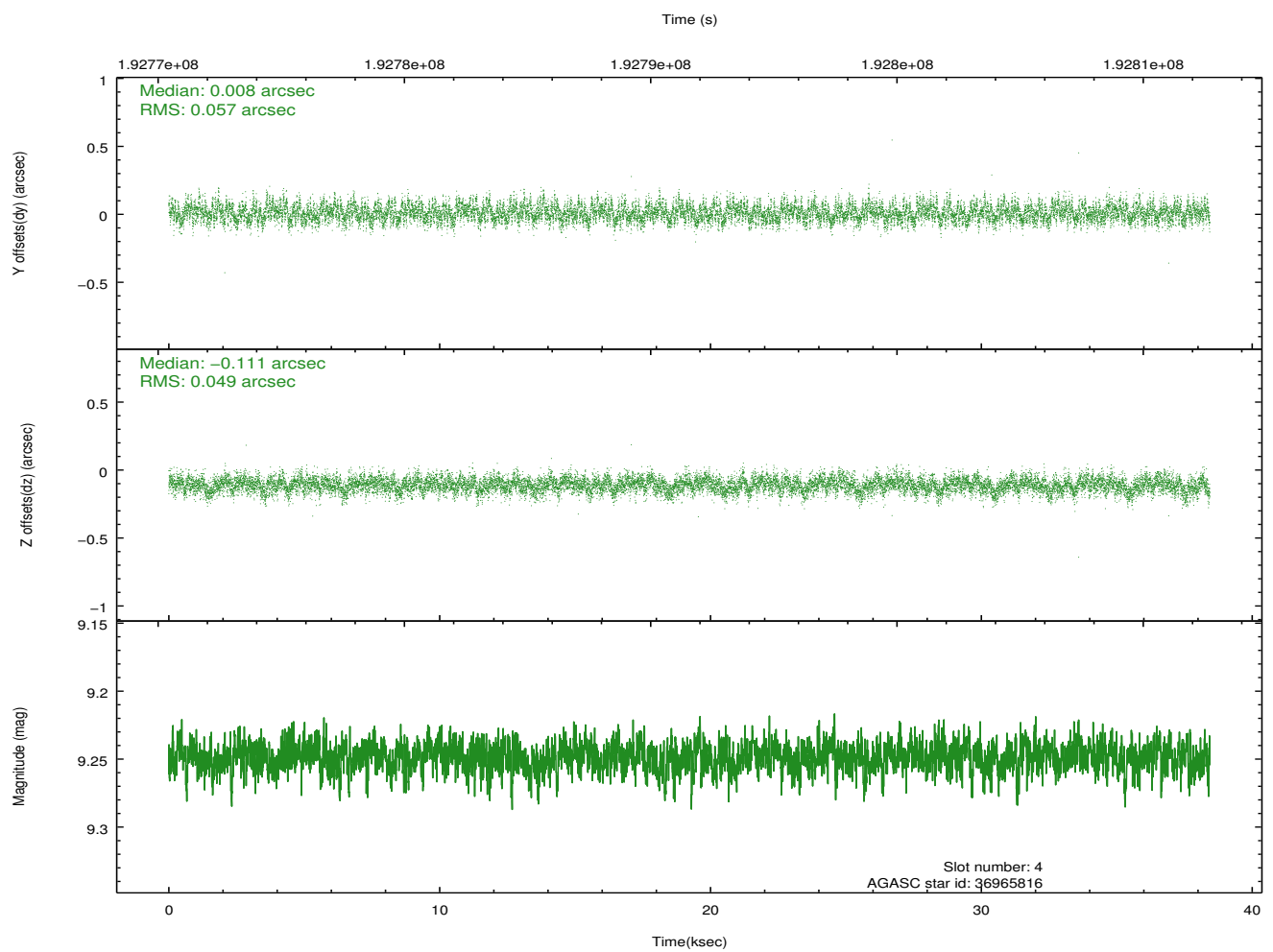
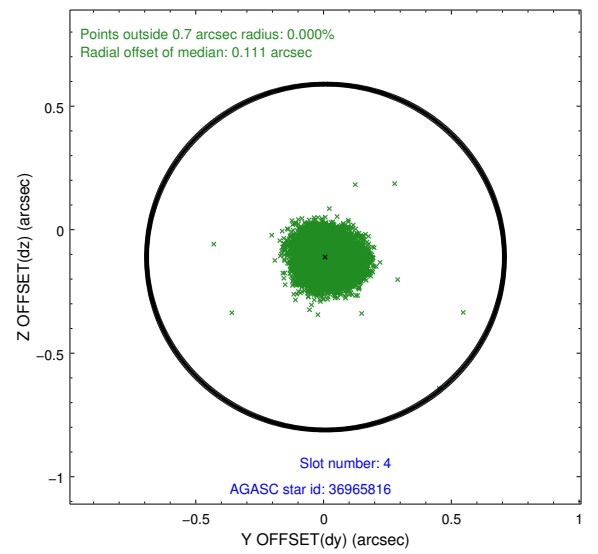
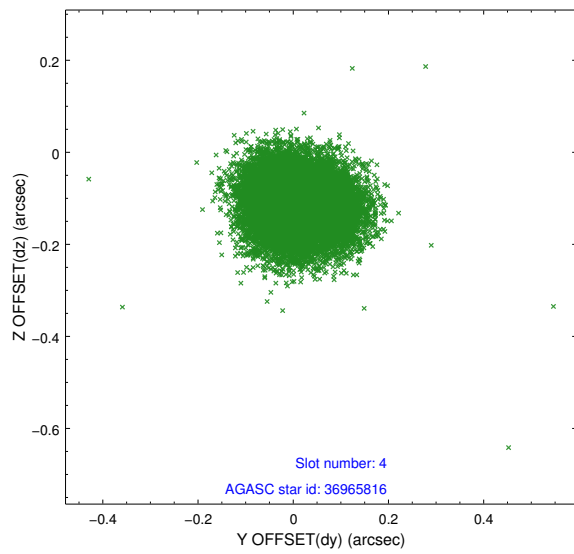
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	9376	0.020	0.100	0.008	0.014	0.000000	0.000000	935.81	-1890.37
1	FID	ACIS-S-5	7.23	9376	-0.076	0.038	0.008	0.014	0.000000	0.000000	-1813.28	7.04
2	FID	ACIS-S-6	7.41	9376	0.036	-0.126	0.008	0.013	0.000000	0.000000	401.33	650.89
3	GUIDE	36965296	9.09	18739	0.102	-0.079	0.083	0.137	186.926292	1.837429	-1097.50	1003.29
4	GUIDE	36965816	9.25	18744	0.008	-0.111	0.080	0.130	186.823353	1.771455	-1441.15	1278.23
5	GUIDE	37356352	7.70	18750	-0.390	0.069	0.052	0.087	187.433784	2.618460	2149.91	173.27
6	GUIDE	37883040	10.00	18737	0.007	0.267	0.144	0.231	187.575516	1.280402	-2250.00	-1851.68
7	GUIDE	36963280	9.61	18742	0.264	-0.142	0.113	0.185	186.985307	1.456816	-2327.77	363.78

2.4 Star Slots

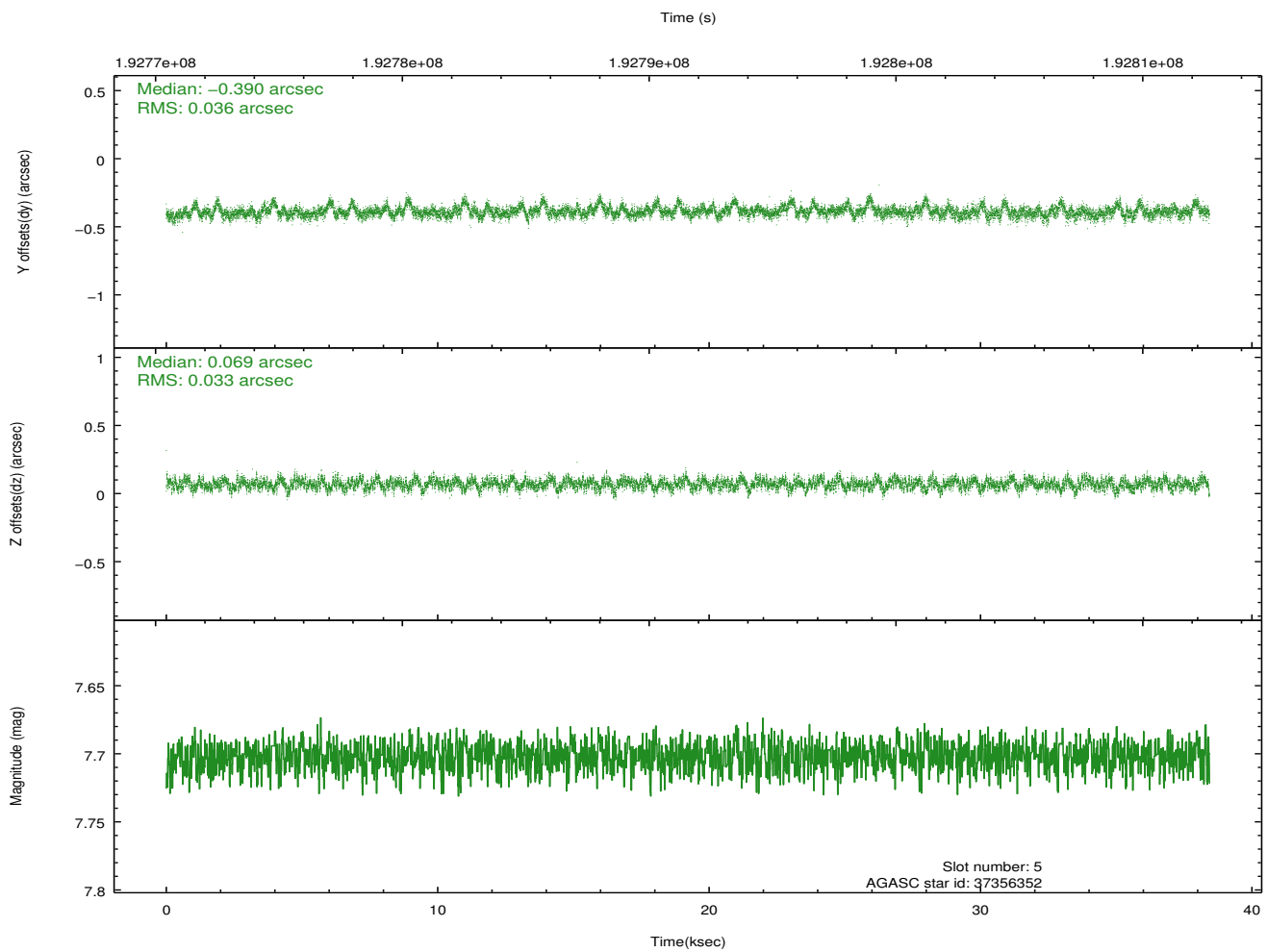
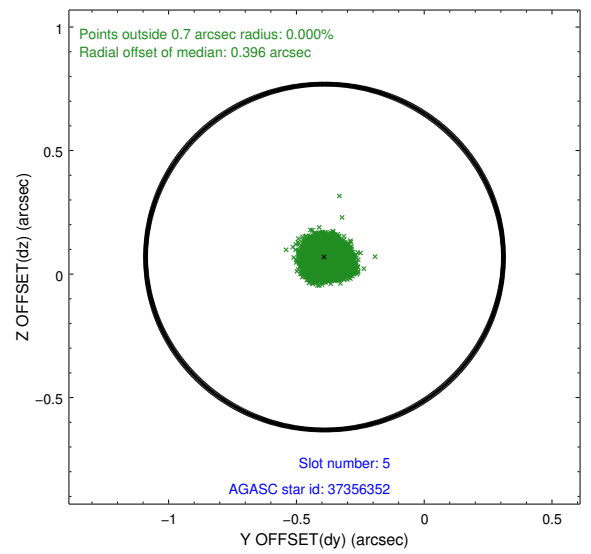
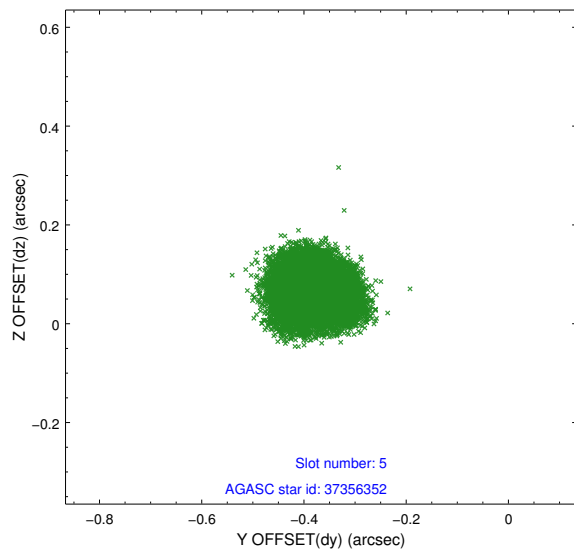
2.4.1 Slot 3



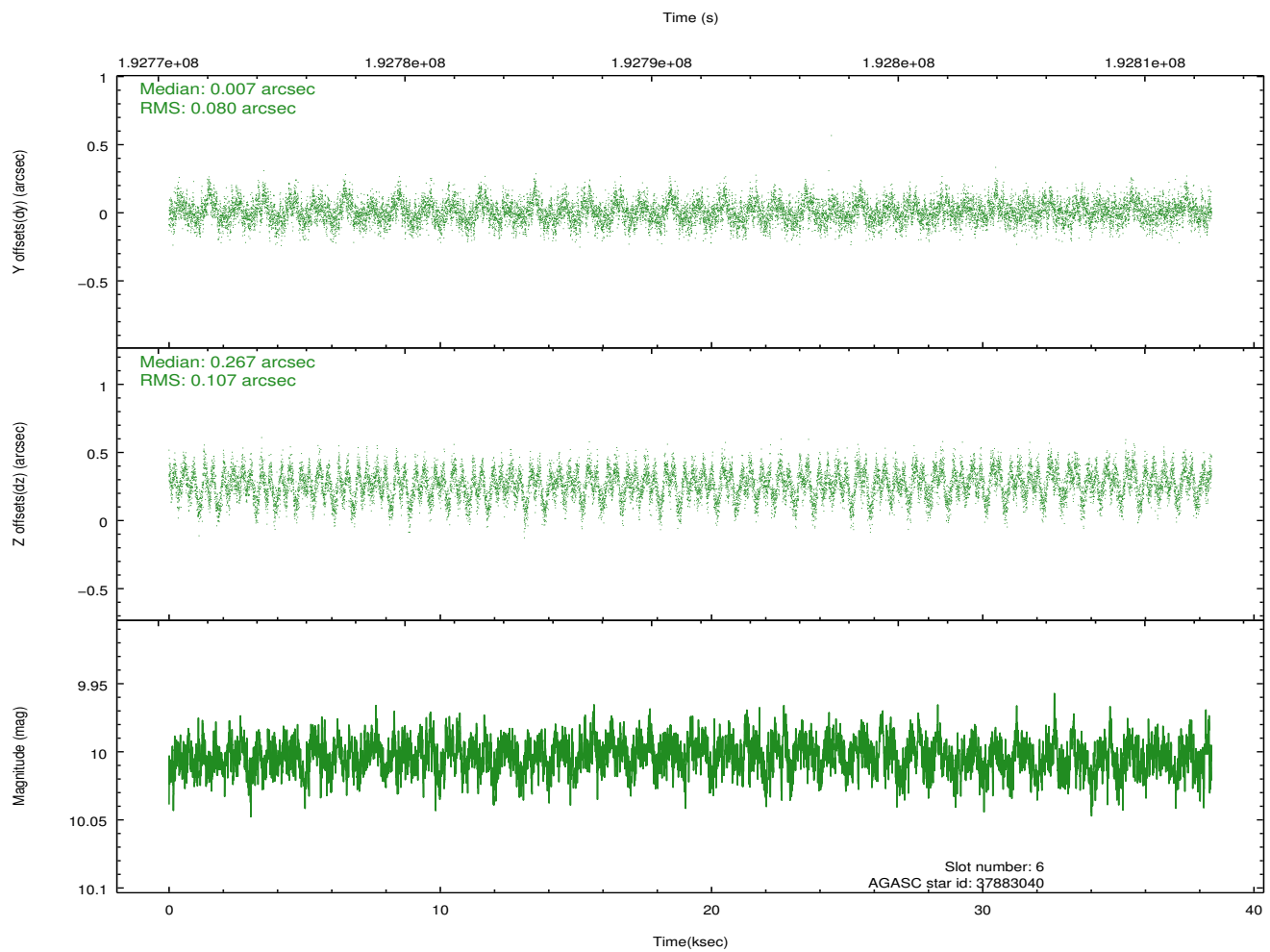
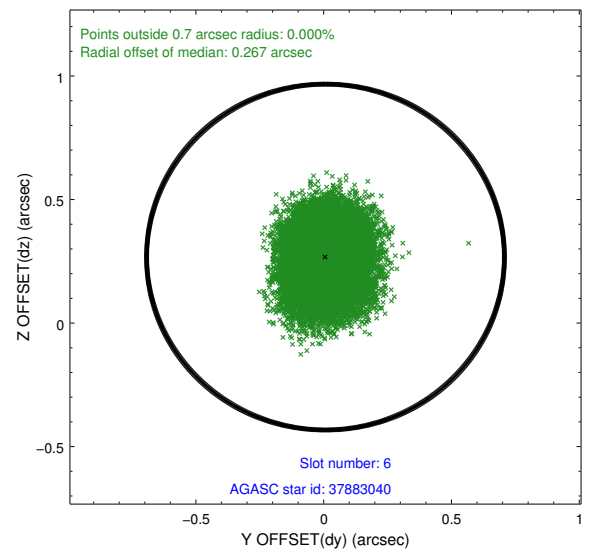
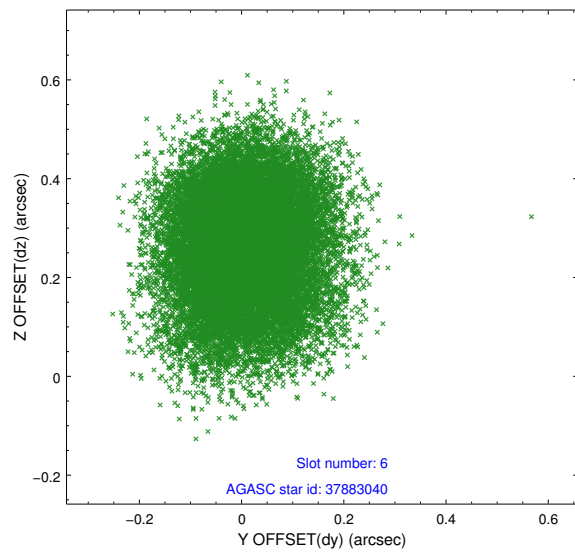
2.4.2 Slot 4



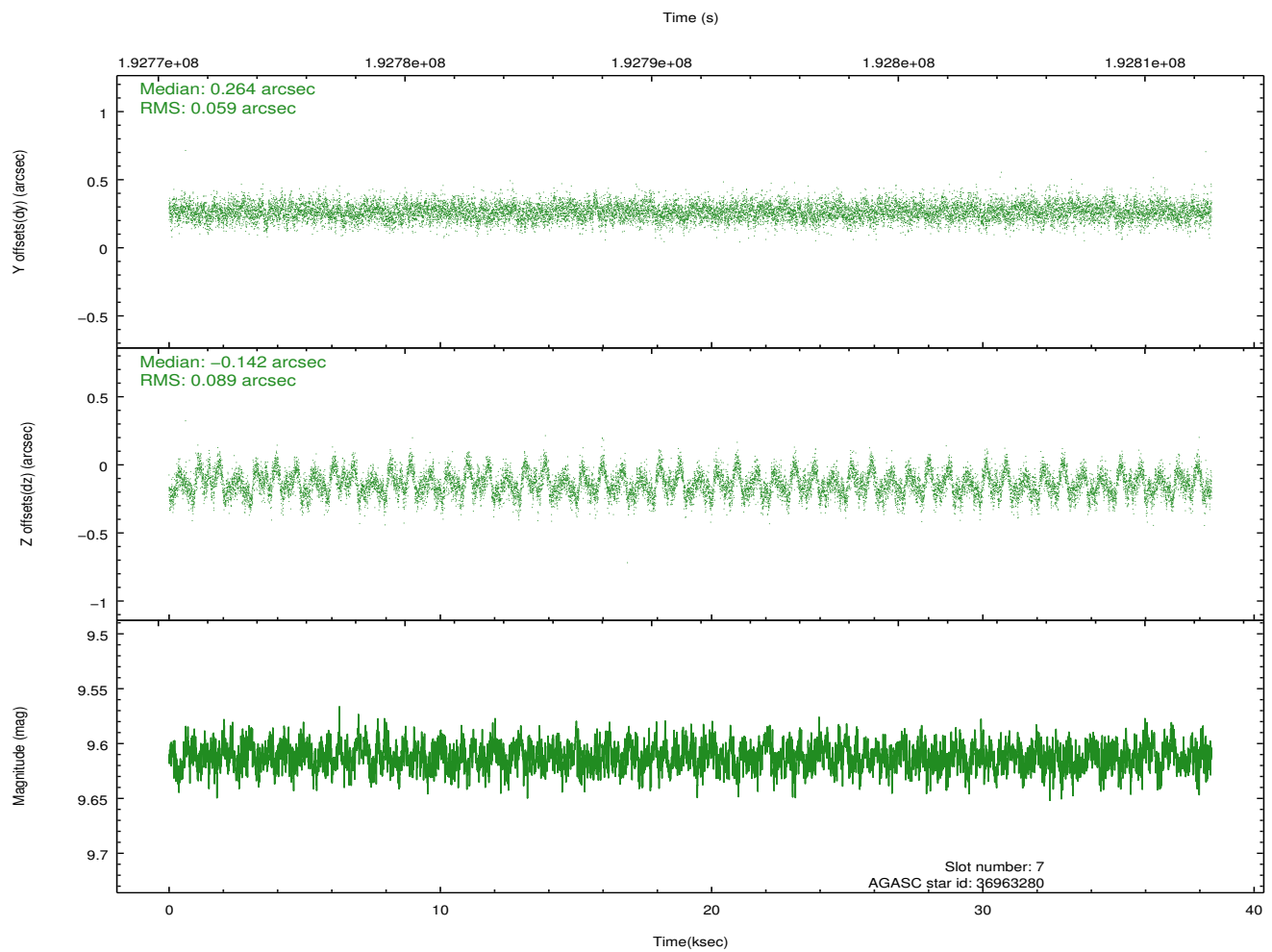
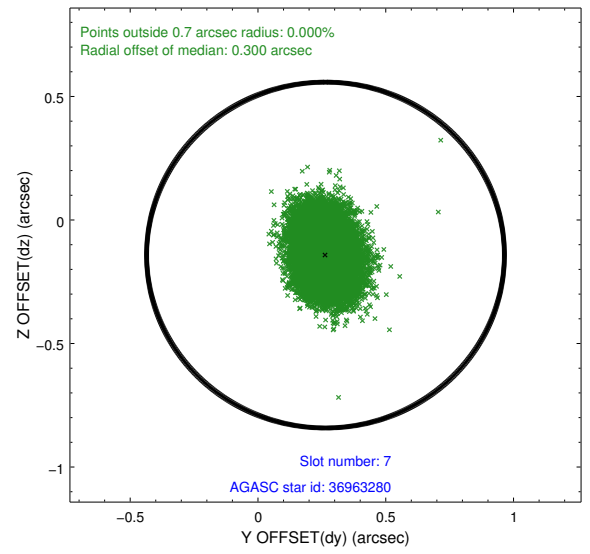
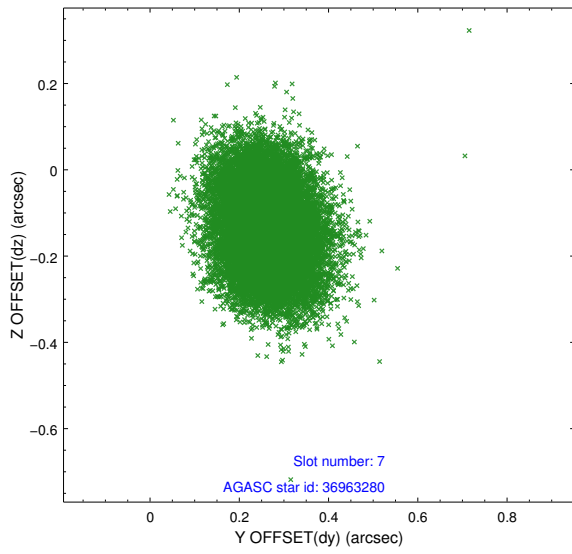
2.4.3 Slot 5



2.4.4 Slot 6

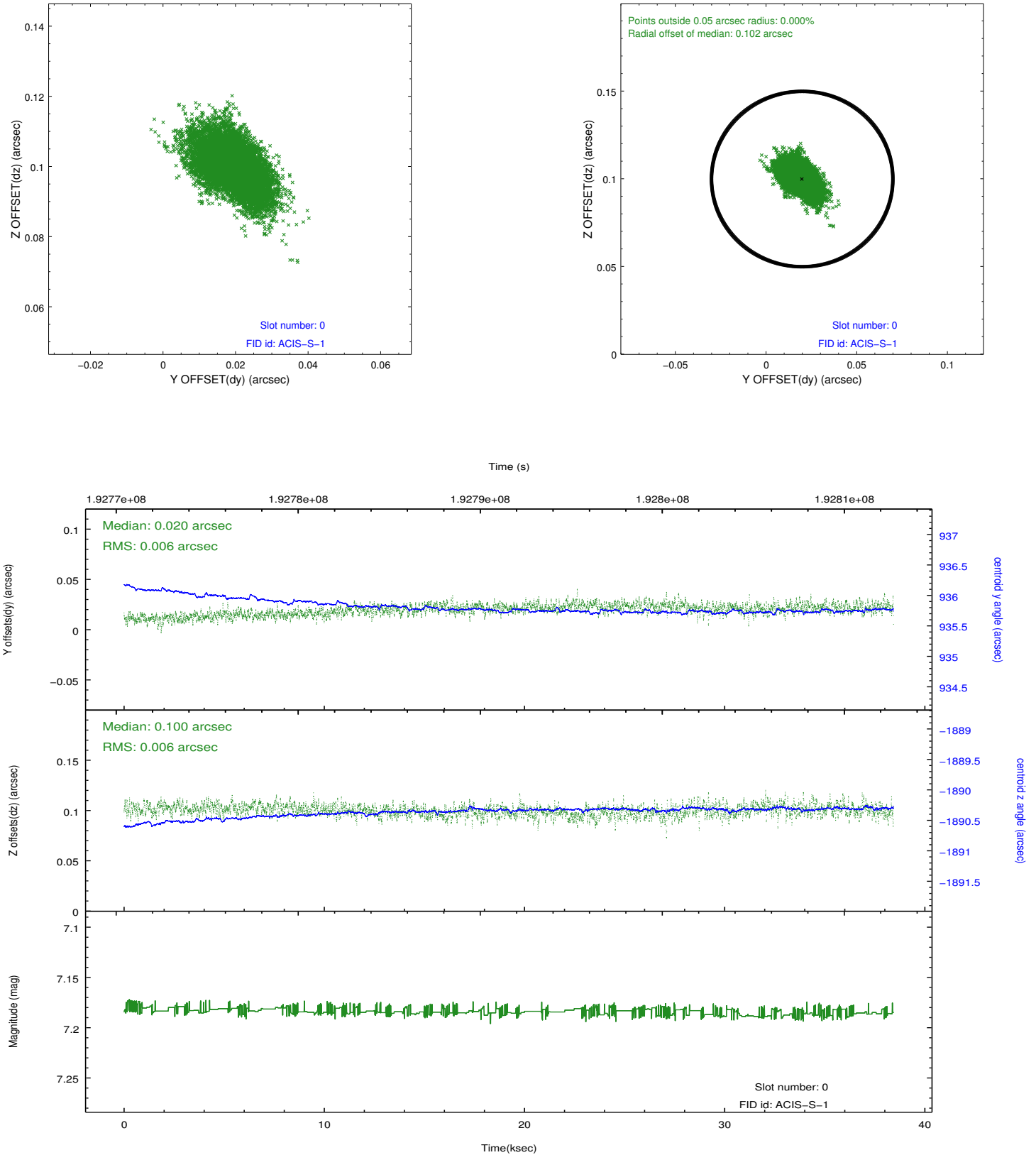


2.4.5 Slot 7

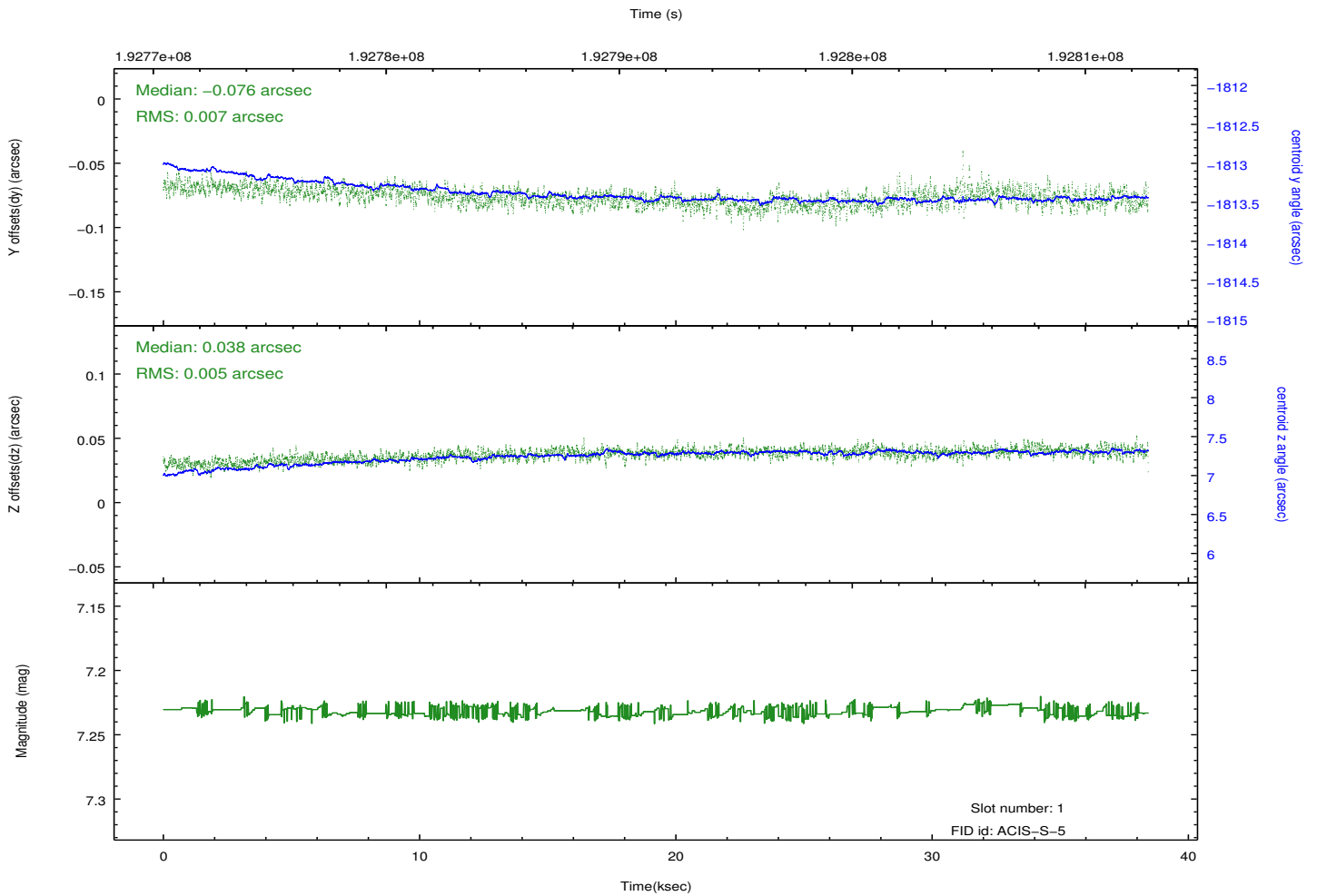
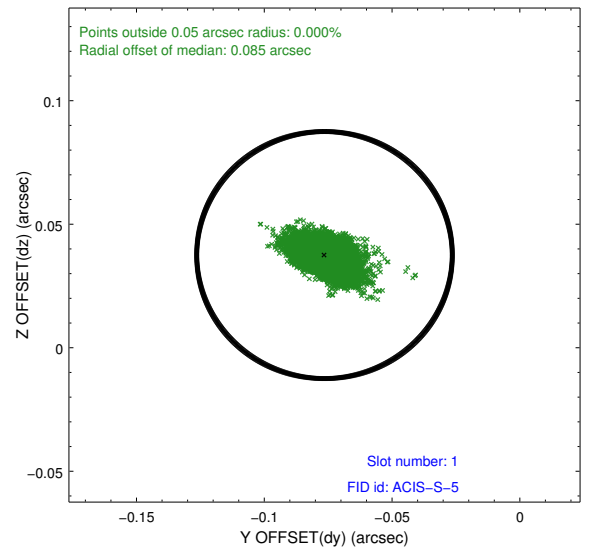
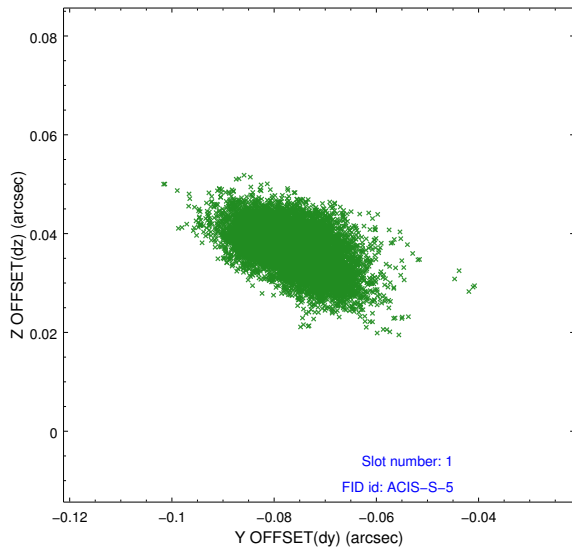


2.5 FID Slots

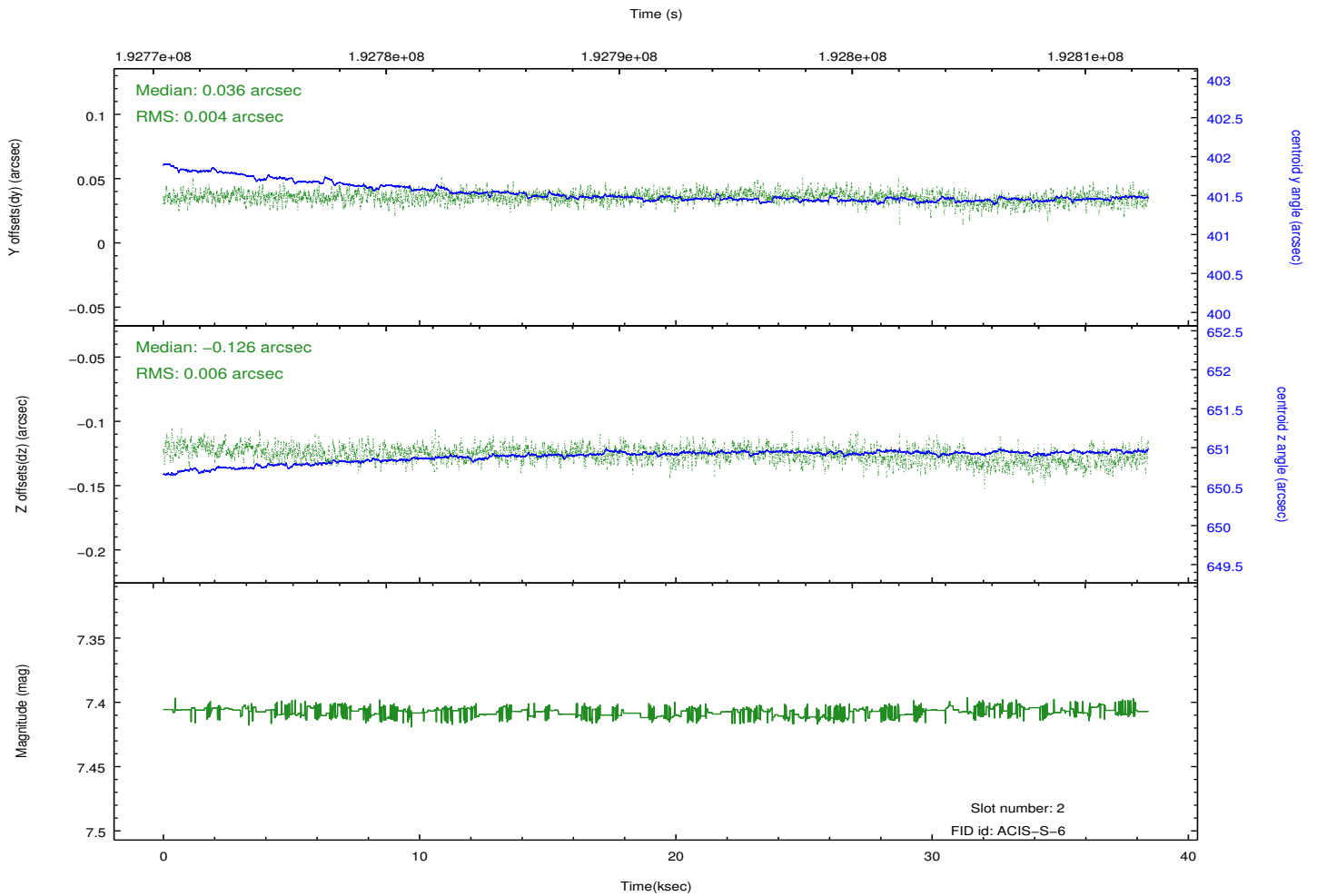
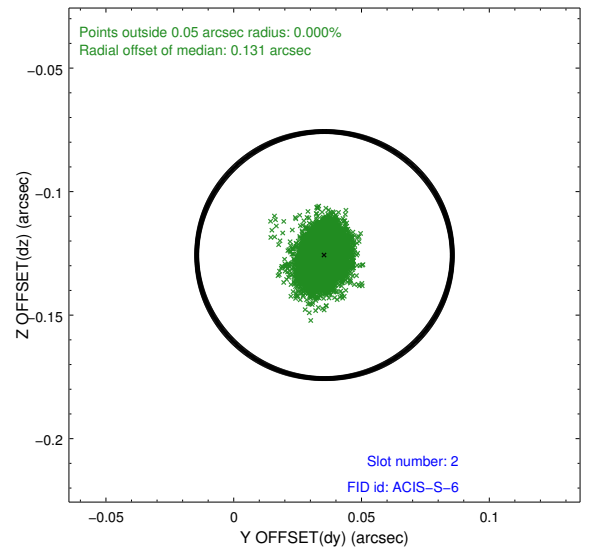
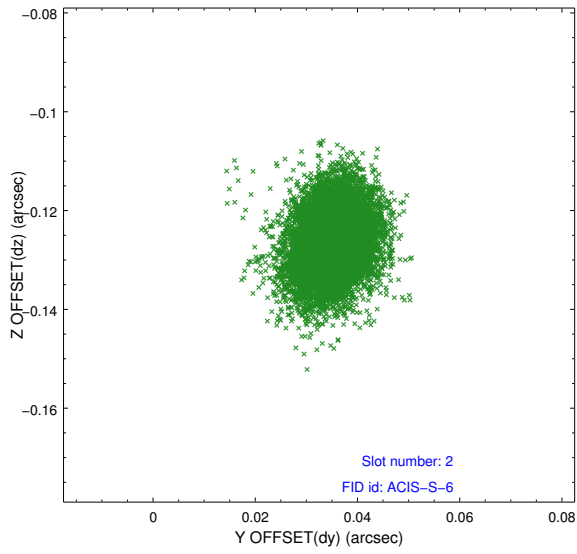
2.5.1 Slot 0



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)	2012.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.438

A.2 Comments

Monitor constraint met.