

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4876 - L2 Version 3
Chandra X-Ray Center

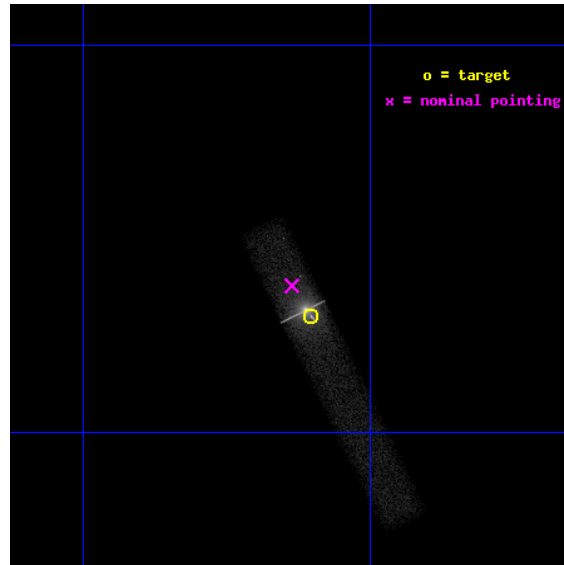
L2 Processing Date : Nov 8 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

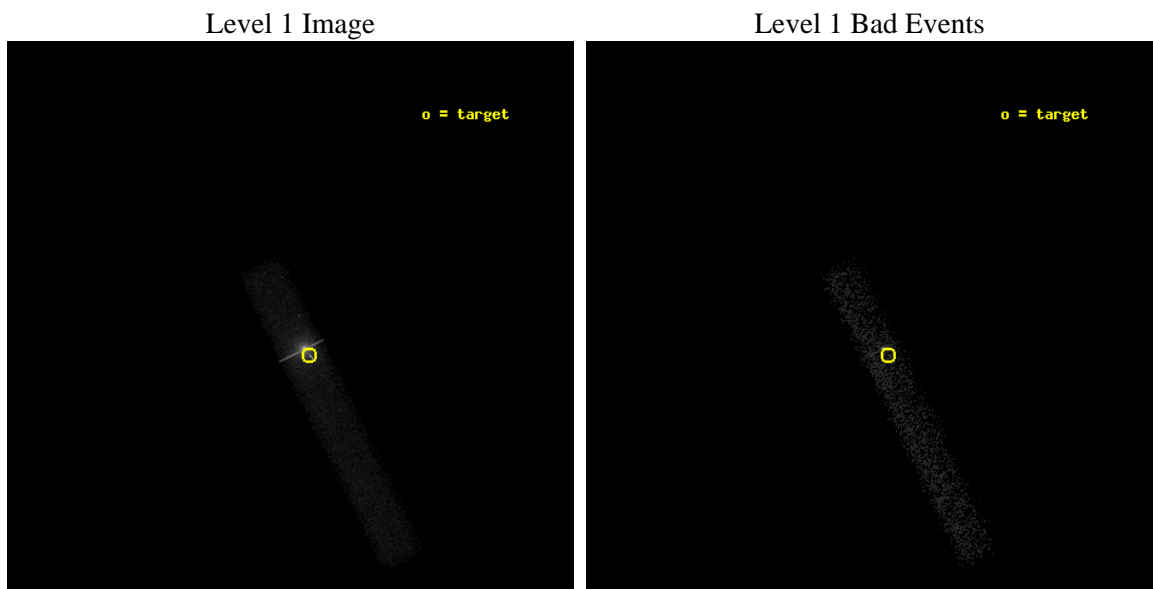
seq_num	700958	Sequence number
obs_id	4876	Observation id
title	The X-ray emission mechanism in 3C273's jet	Proposal title
observer	Dr. Sebastian Jester	Principal investigator
object	3C273-JET	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.275833	Observer's specified target RA [deg]
dec_targ	2.050111	Observer's specified target Dec [deg]
ra_nom	187.28405656445	Nominal RA [deg]
dec_nom	2.0628233020758	Nominal Dec [deg]
roll_nom	63.613132165465	Nominal Roll [deg]
revision	3	Processing version of data
ontime	41300.072355211	Sum of GTIs [s]
livetime	37456.985629613	Livetime [s]
ontime7	41300.072355211	Sum of GTIs [s]
l2events	107664	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	41151.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	41300.072355211	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	41300.072355211	Sum of GTIs [s]
date	2012-11-08T05:15:00	Date and time of file creation	l1events	206757	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

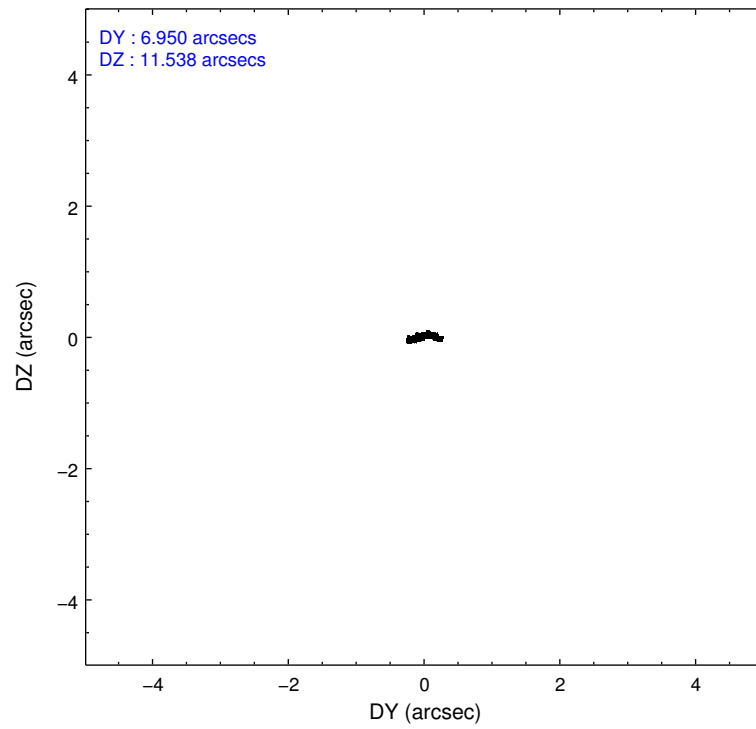
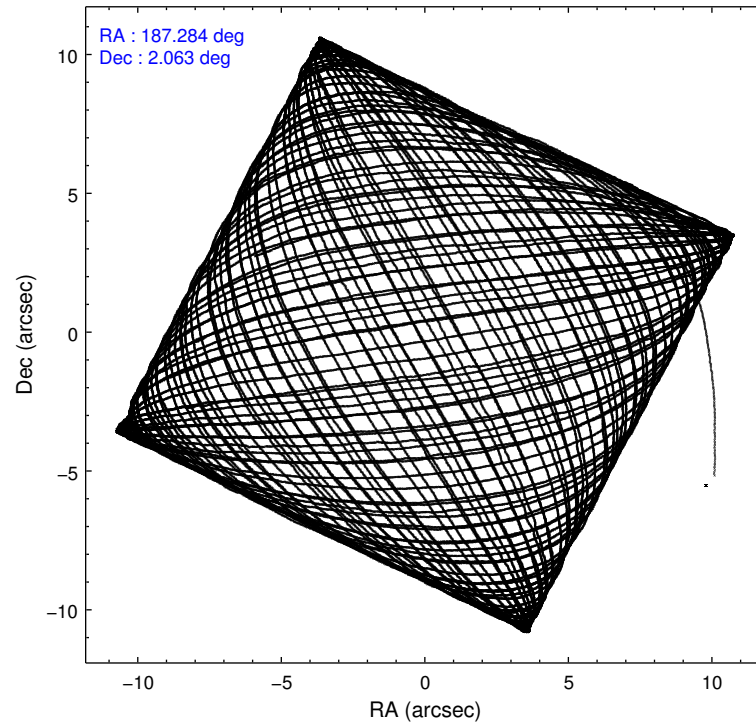
	ccd 7
level 1 events	206757
rejected events	98456
rejected %	47%

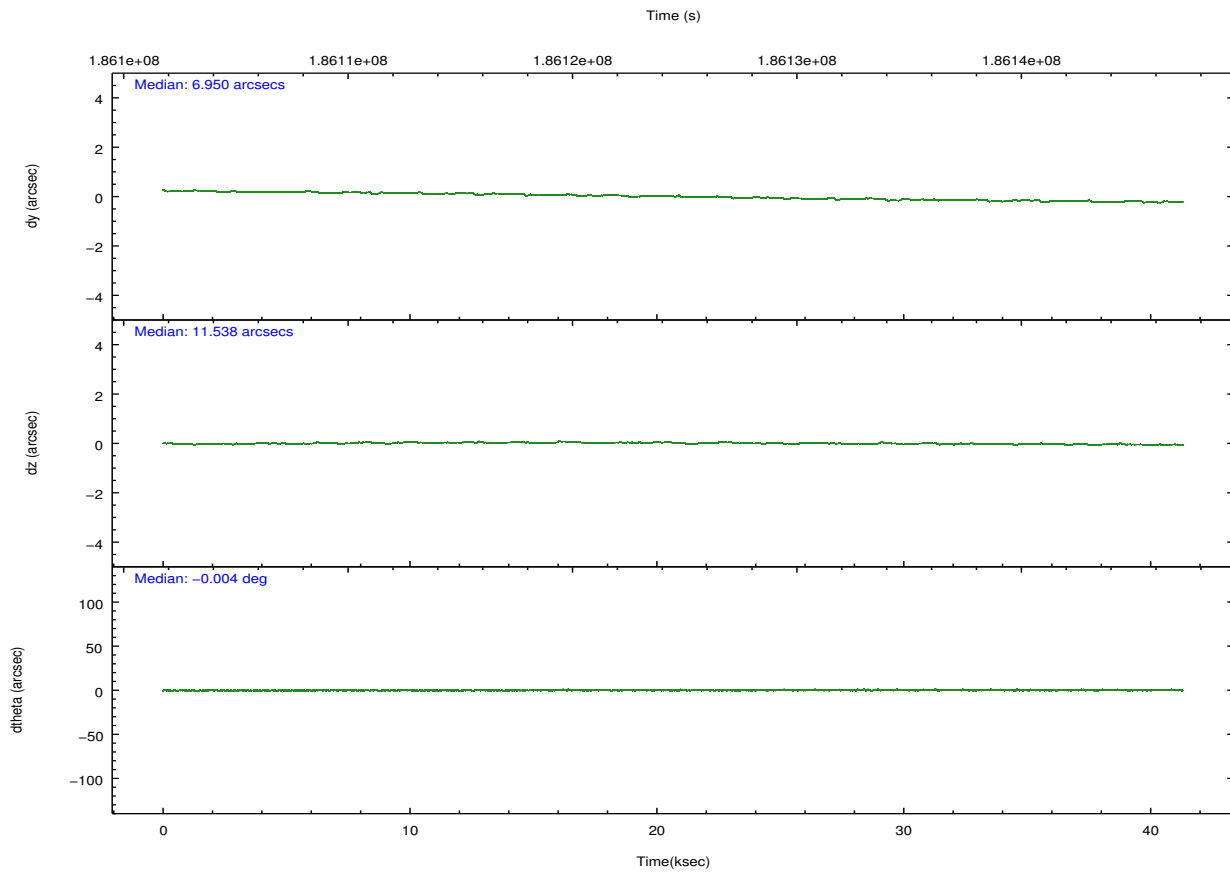
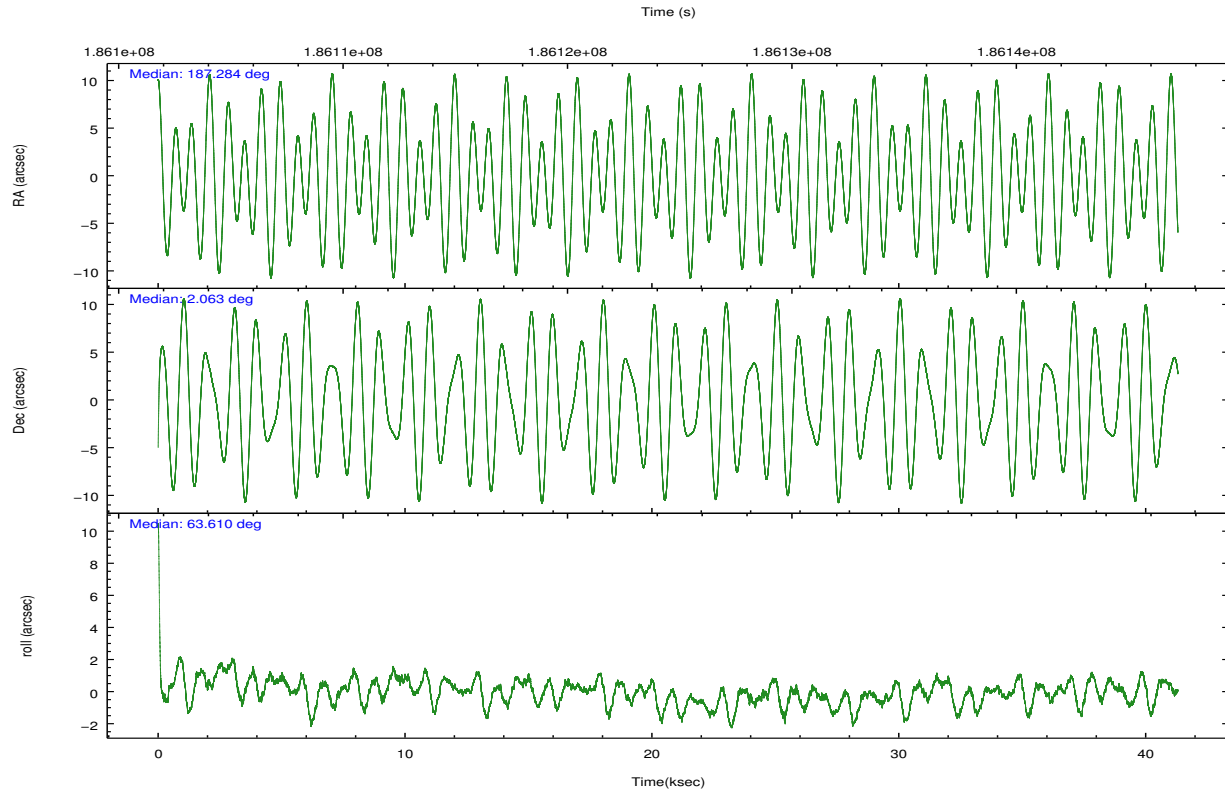
	ccd 7
grade 0 events	23990
	11%
grade 1 events	1907
	0%
grade 2 events	22738
	10%
grade 3 events	11316
	5%
grade 4 events	11064
	5%
grade 5 events	12251
	5%
grade 6 events	40037
	19%
grade 7 events	83454
	40%

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	187.286131	187.2840565644545	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	2.035655	2.062823302075758	Subarray start row	115	115
[deg] Pointing Roll	63.456430	63.61313216546535	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	-182.1370004450064			
[mm] SIM translation stage offset	-8	-7.995522138001405			
[s] Observation start time (MET)	186103979.184000	186102584.25903			
Observation start date	2003-11-24T23:31:55	2003-11-24T23:09:44			
[s] Observation end time (MET)	186145130.184000	186145748.0359			
Observation end date	2003-11-25T10:57:46	2003-11-25T11:09:08			
Read mode	TIMED	TIMED			

2.3 Aspect



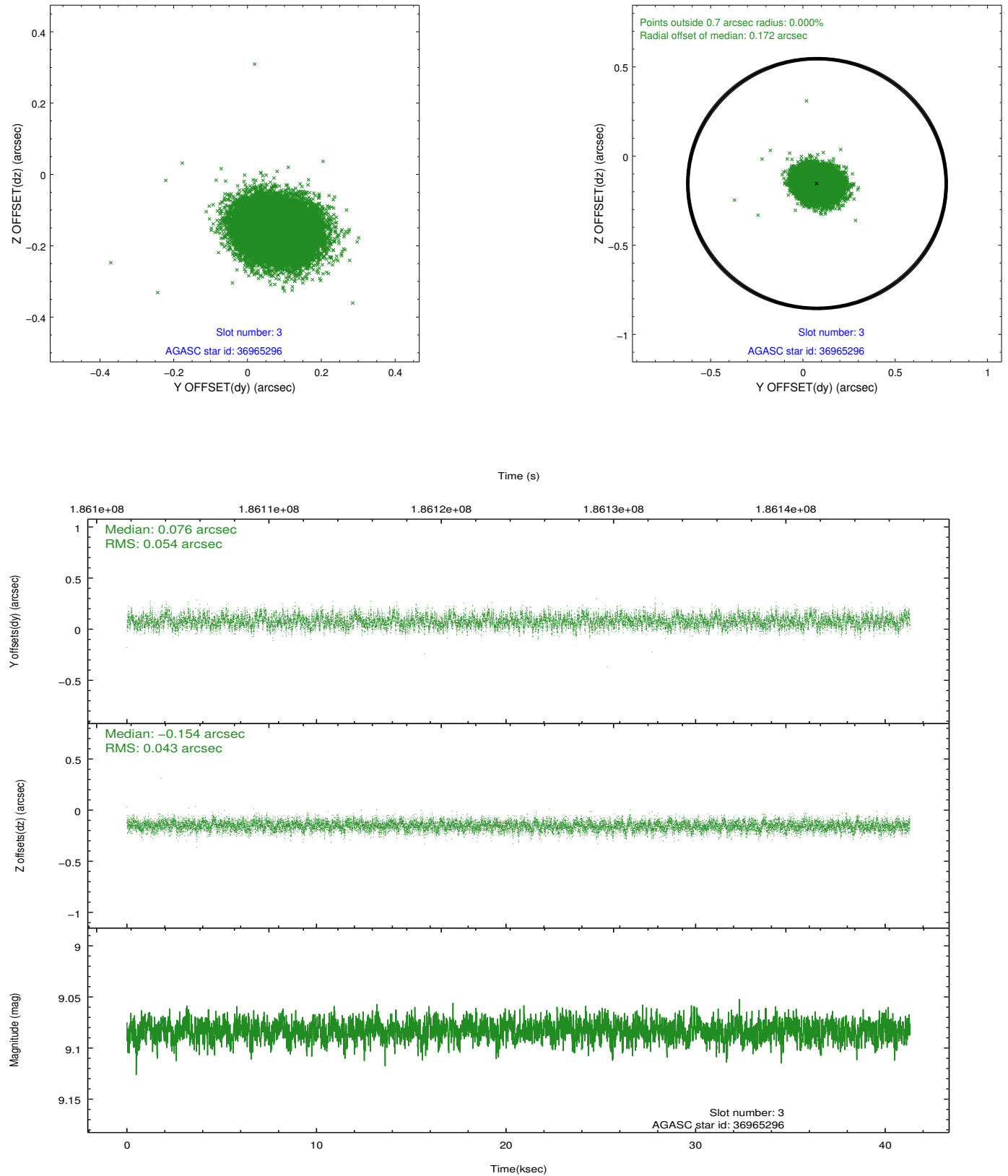


Slot Statistics

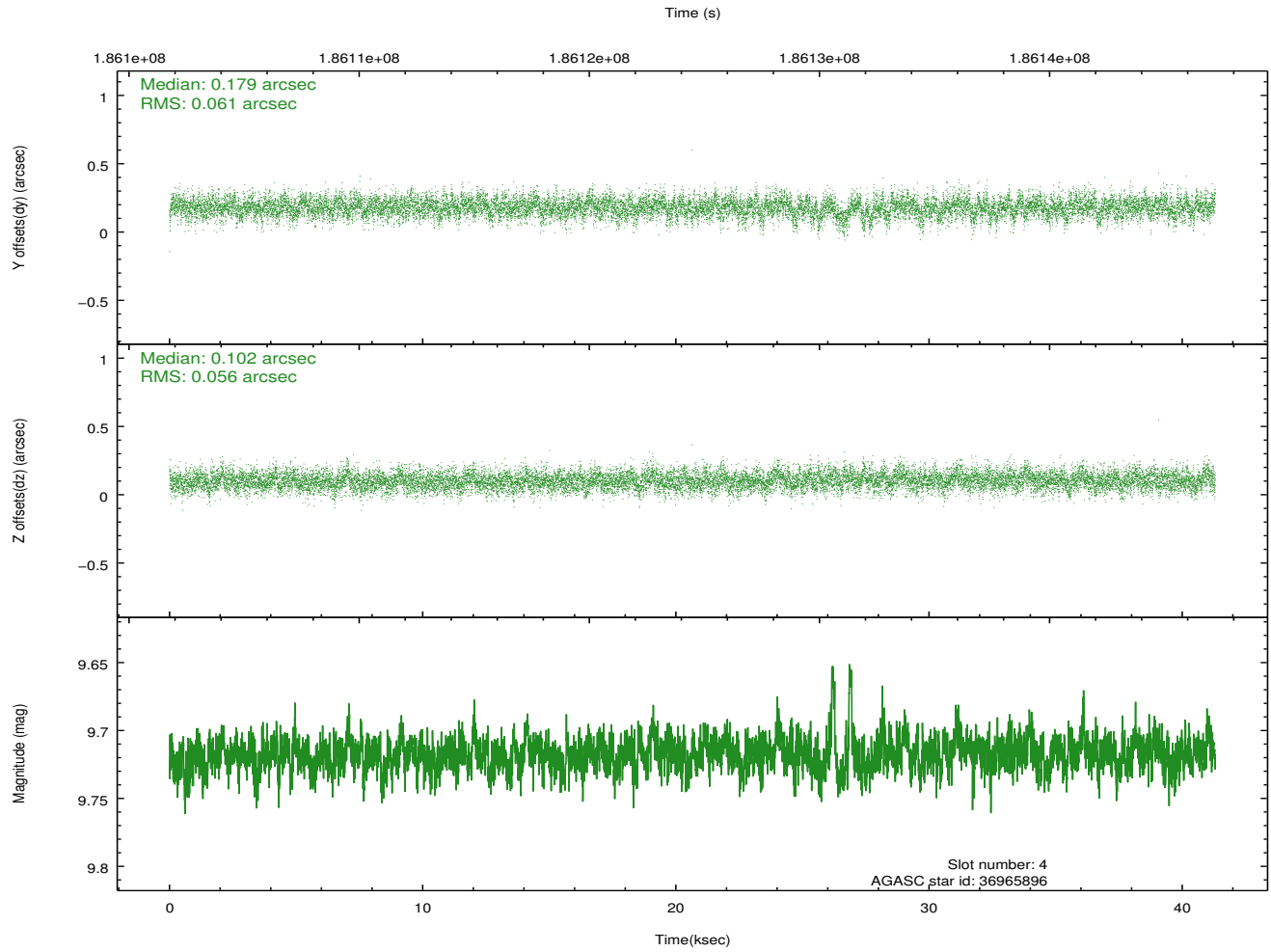
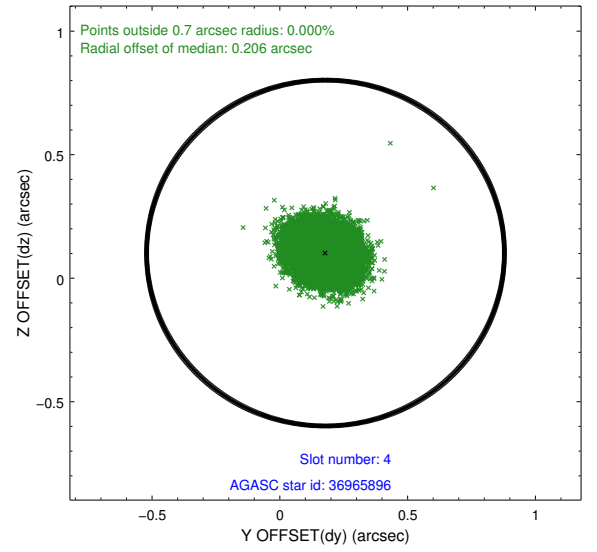
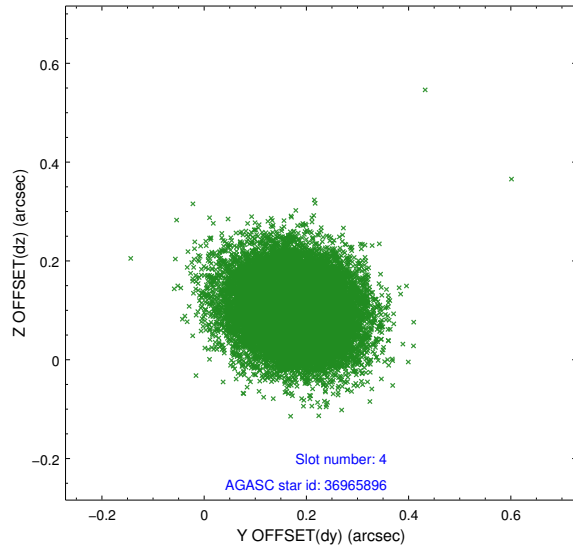
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	10073	-0.058	-0.143	0.007	0.011	0.000000	0.000000	-759.19	-1897.68
1	FID	ACIS-S-4	7.17	10071	0.090	0.066	0.005	0.010	0.000000	0.000000	2154.24	10.96
2	FID	ACIS-S-5	7.23	10072	-0.063	0.085	0.007	0.011	0.000000	0.000000	-1812.02	4.68
3	GUIDE	36965296	9.08	20140	0.076	-0.154	0.073	0.119	186.926292	1.837429	-1216.62	839.62
4	GUIDE	36965896	9.72	20139	0.179	0.102	0.088	0.144	187.153754	1.617178	-1560.22	-246.72
5	GUIDE	37356352	7.69	20146	-0.467	-0.022	0.054	0.087	187.433784	2.618460	2113.93	462.97
6	GUIDE	37883040	10.02	20134	-0.043	0.287	0.105	0.172	187.575516	1.280402	-1966.54	-2146.33
7	GUIDE	36963280	9.61	20141	0.250	-0.212	0.110	0.178	186.985307	1.456816	-2347.50	37.35

2.4 Star Slots

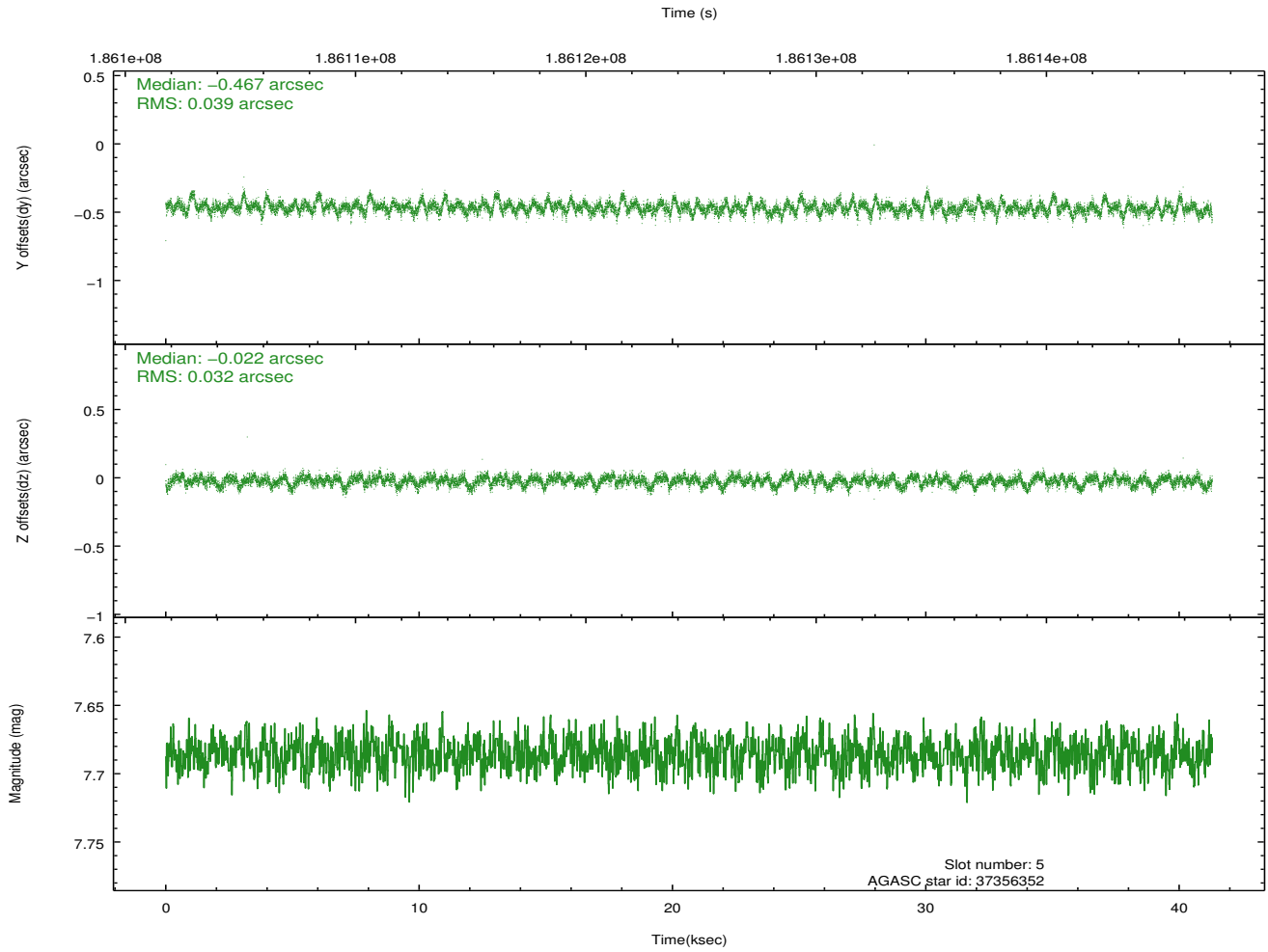
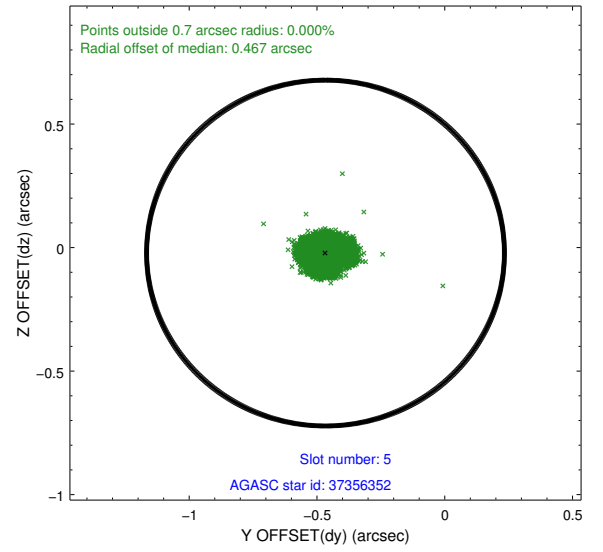
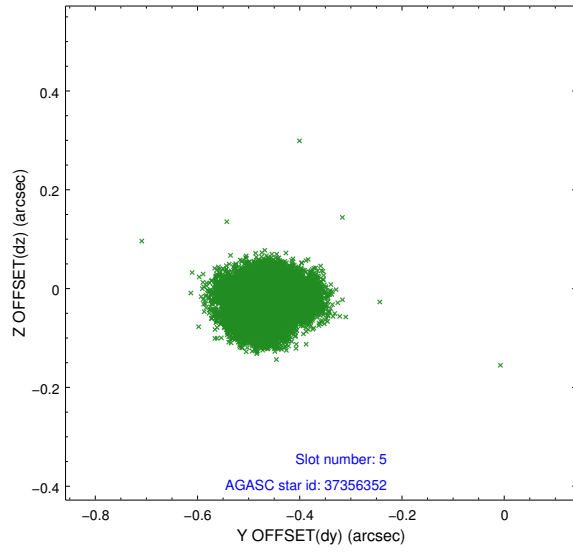
2.4.1 Slot 3



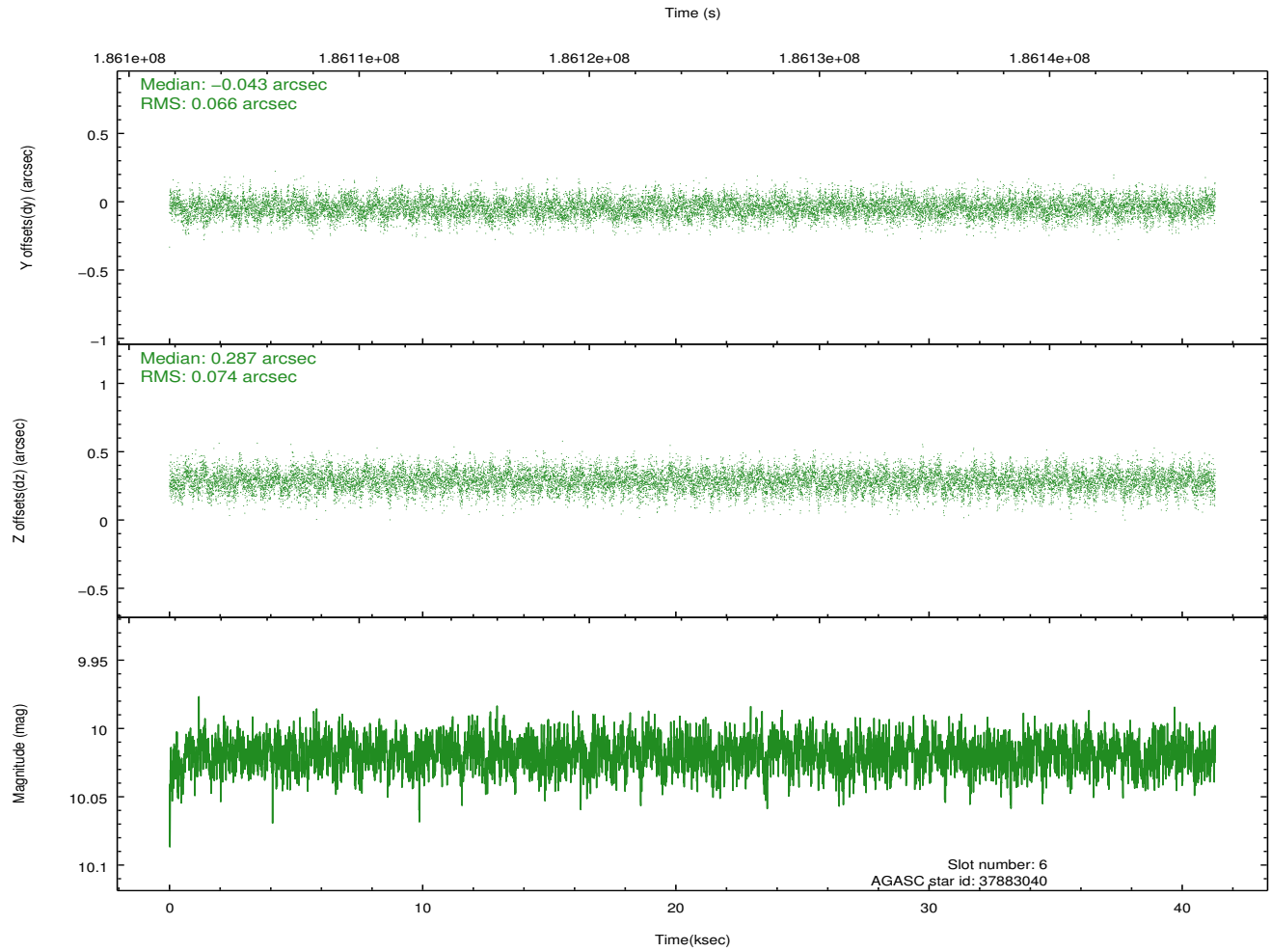
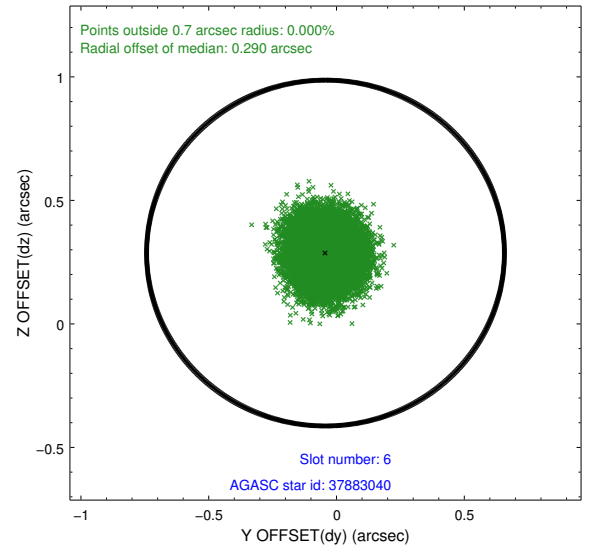
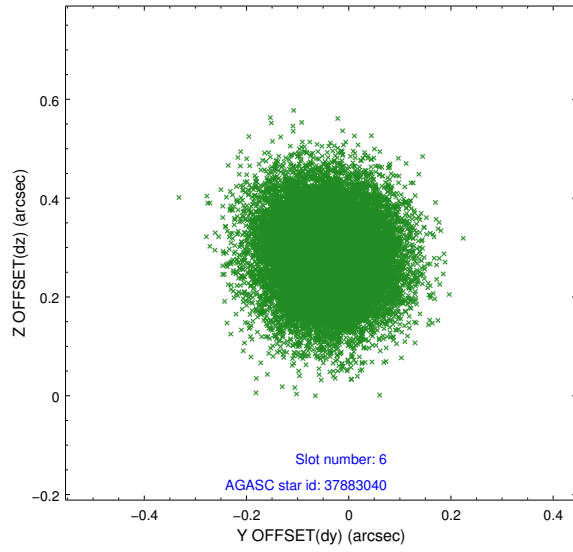
2.4.2 Slot 4



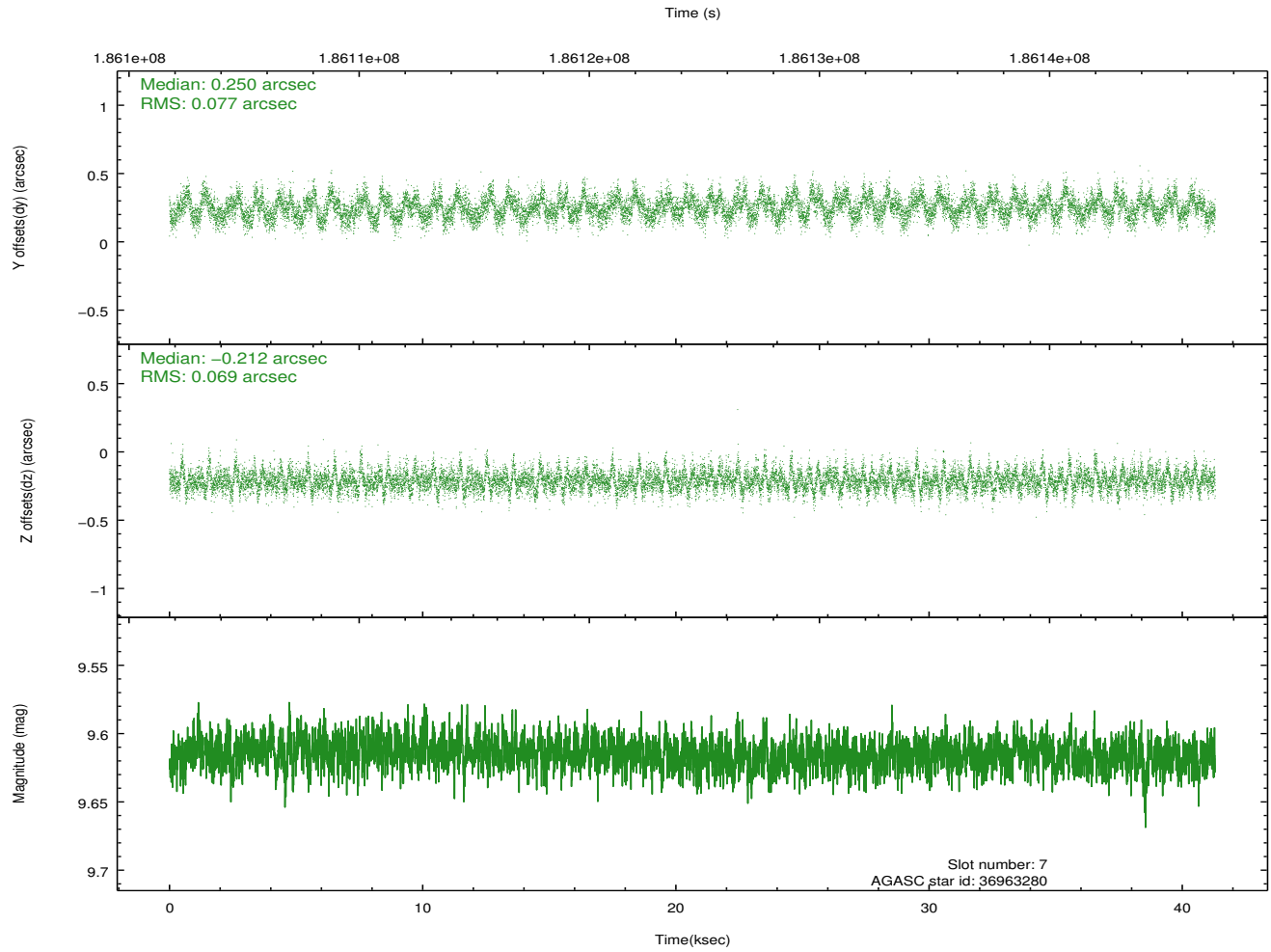
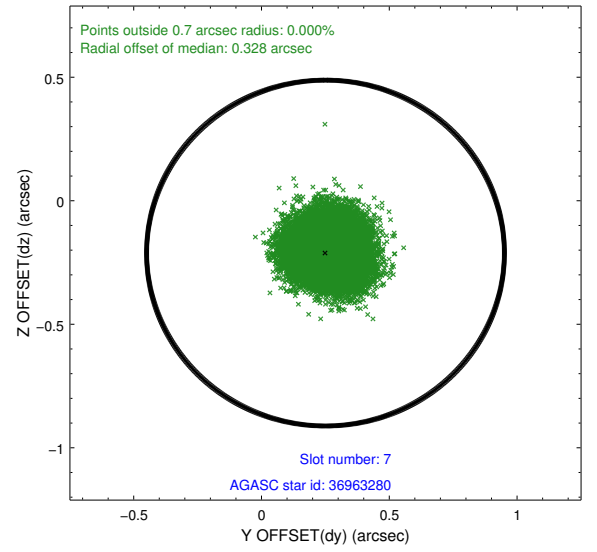
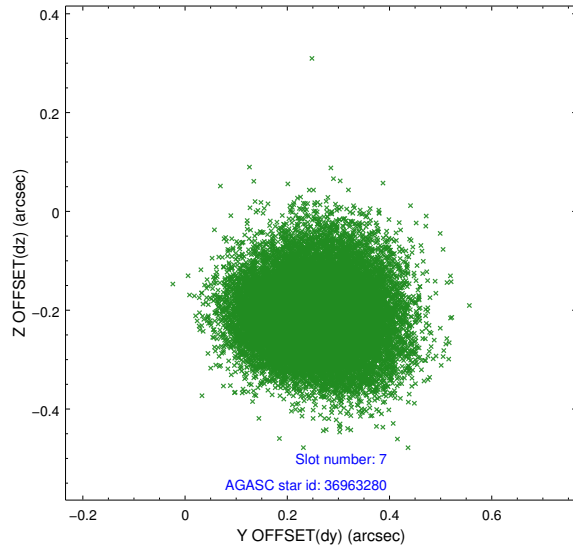
2.4.3 Slot 5



2.4.4 Slot 6

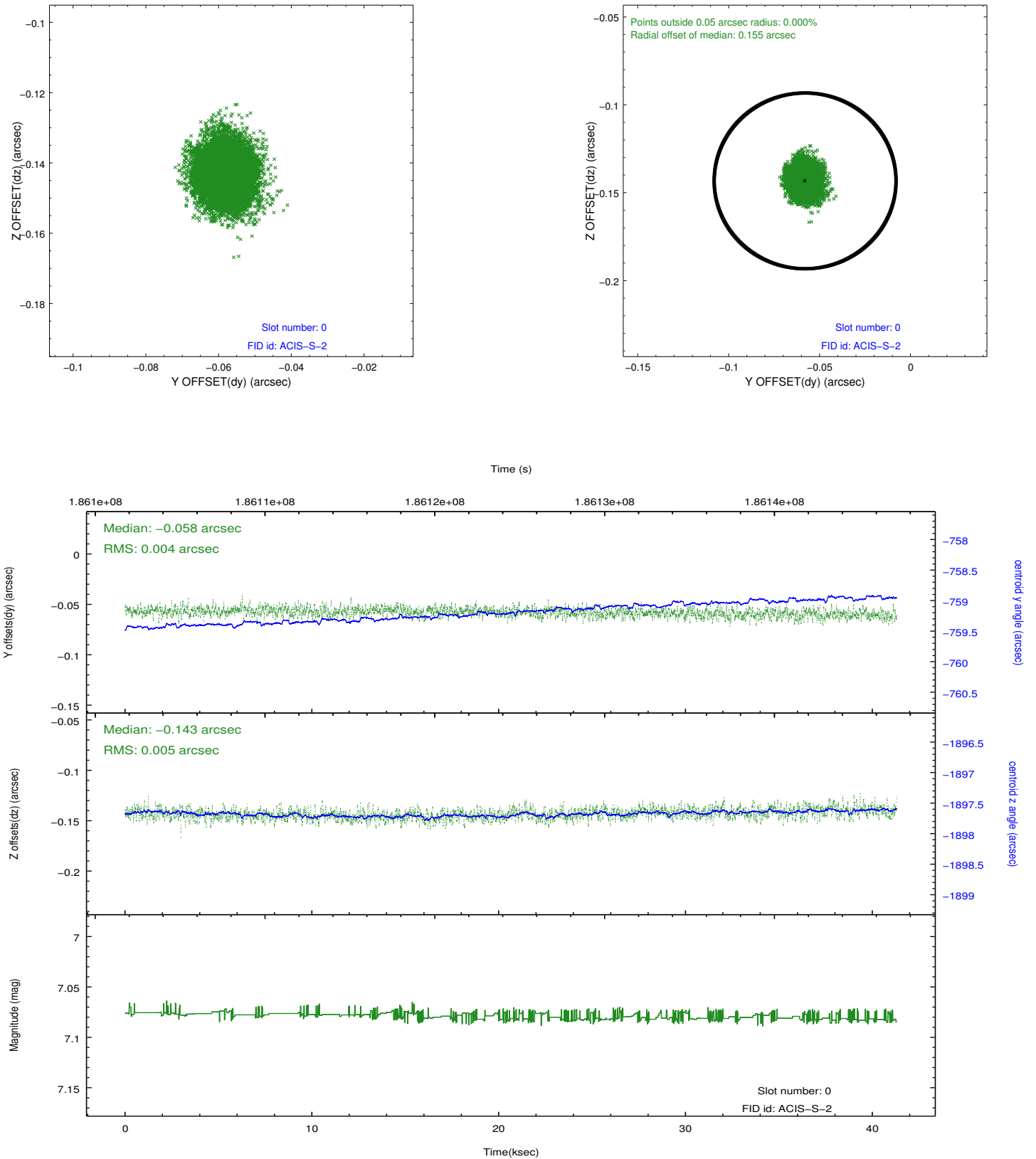


2.4.5 Slot 7

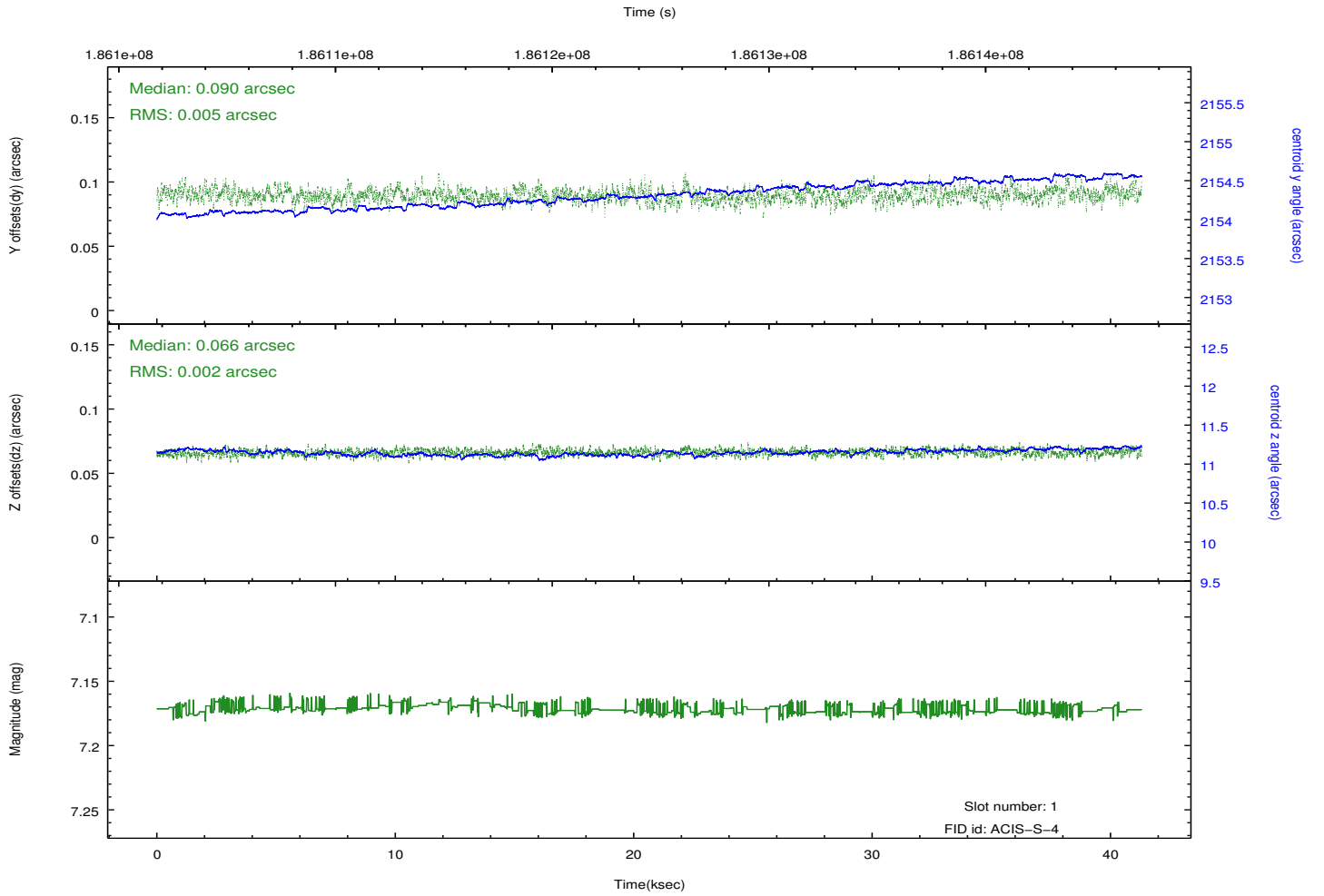
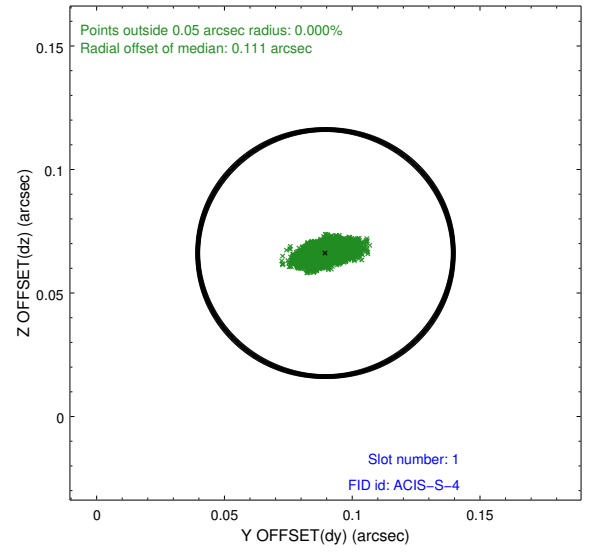
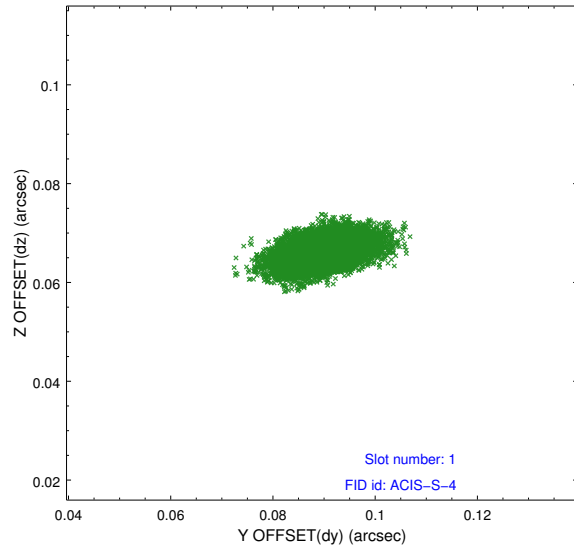


2.5 FID Slots

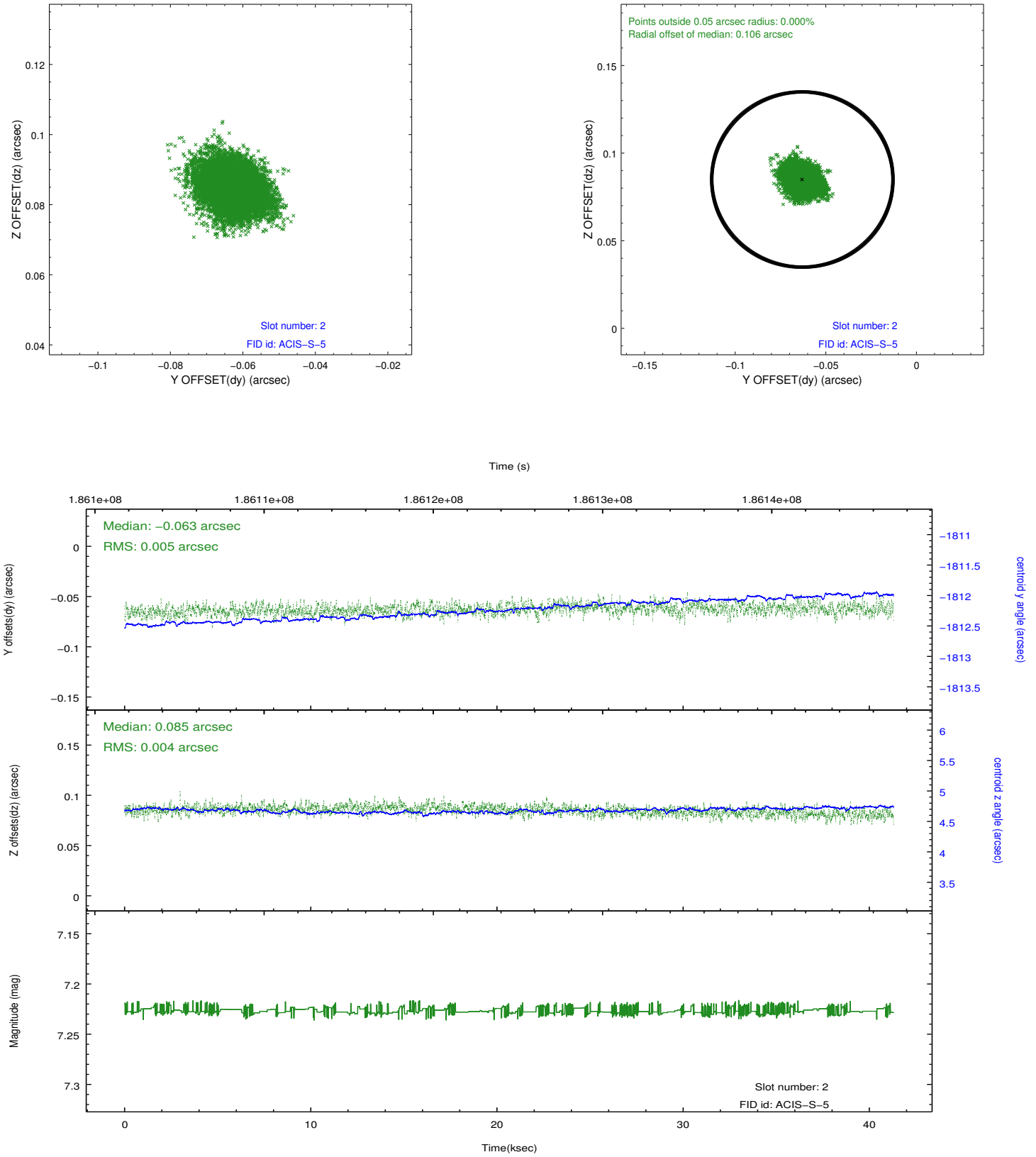
2.5.1 Slot 0



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)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.3

A.2 Comments