

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 5715 - L2 Version 2
Chandra X-Ray Center

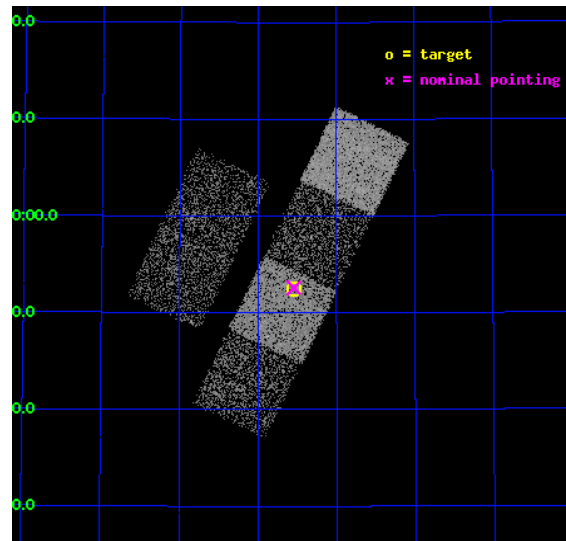
L2 Processing Date : Mar 28 2012

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

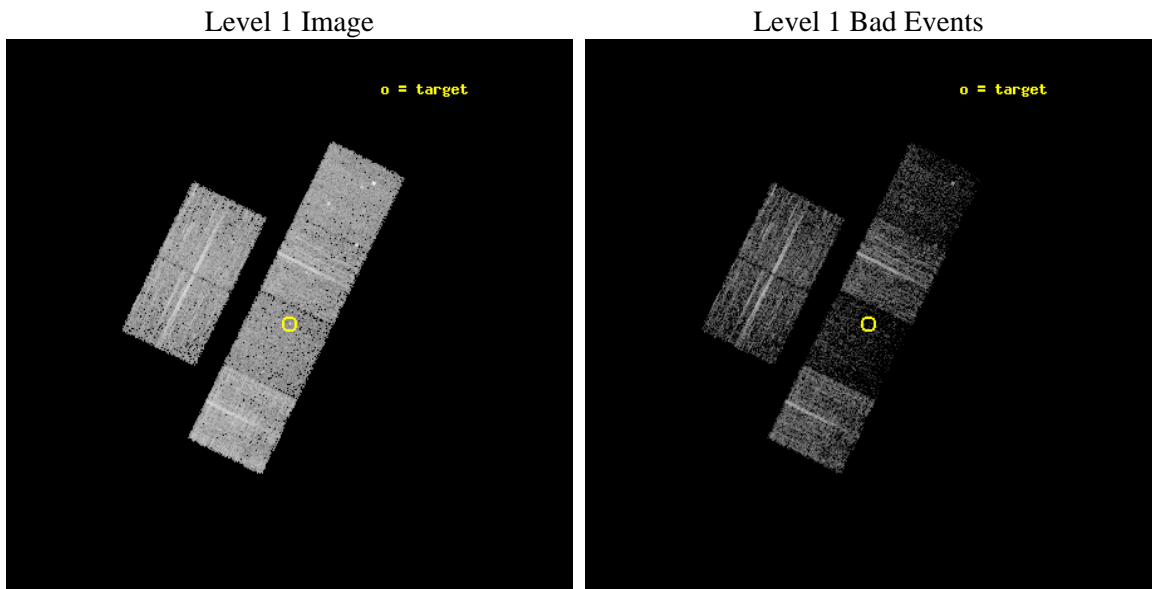
seq_num	701137	Sequence number
obs_id	5715	Observation id
title	What kind of Jets does Nature make? X-ray characterization of the FIRST Flat Spectrum Sample	Proposal title
observer	Dr. Giovanni Fossati	Principal investigator
object	87GB 1623+5659	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.134167	Observer's specified target RA [deg]
dec_targ	56.8745	Observer's specified target Dec [deg]
ra_nom	246.13585265198	Nominal RA [deg]
dec_nom	56.876445197422	Nominal Dec [deg]
roll_nom	116.02489798546	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3887.0831642151	Sum of GTIs [s]
livetime	3837.8625766693	Livetime [s]
ontime2	3887.1242042184	Sum of GTIs [s]
ontime3	3886.9600442052	Sum of GTIs [s]
ontime5	3887.0421242118	Sum of GTIs [s]
ontime6	3887.0010842085	Sum of GTIs [s]
ontime7	3887.0831642151	Sum of GTIs [s]
ontime8	3880.4370137453	Sum of GTIs [s]
l2events	27355	Number of level 2 events



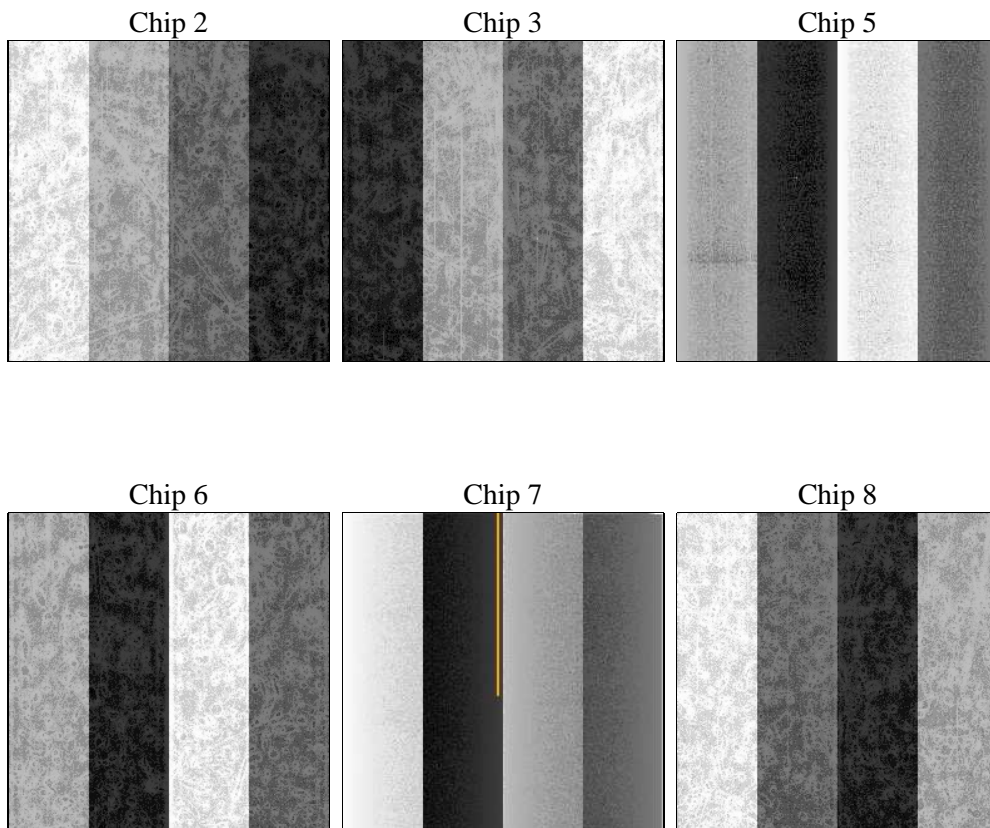
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	4129.941000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3887.0831642151	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	3887.1242042184	Sum of GTIs [s]
date	2012-03-28T21:21:12	Date and time of file creation	ontime3	3886.9600442052	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3887.0421242118	Sum of GTIs [s]
			ontime6	3887.0010842085	Sum of GTIs [s]
			ontime7	3887.0831642151	Sum of GTIs [s]
			ontime8	3880.4370137453	Sum of GTIs [s]
			l1events	139759	Number of level 1 events

2.1.4 Events

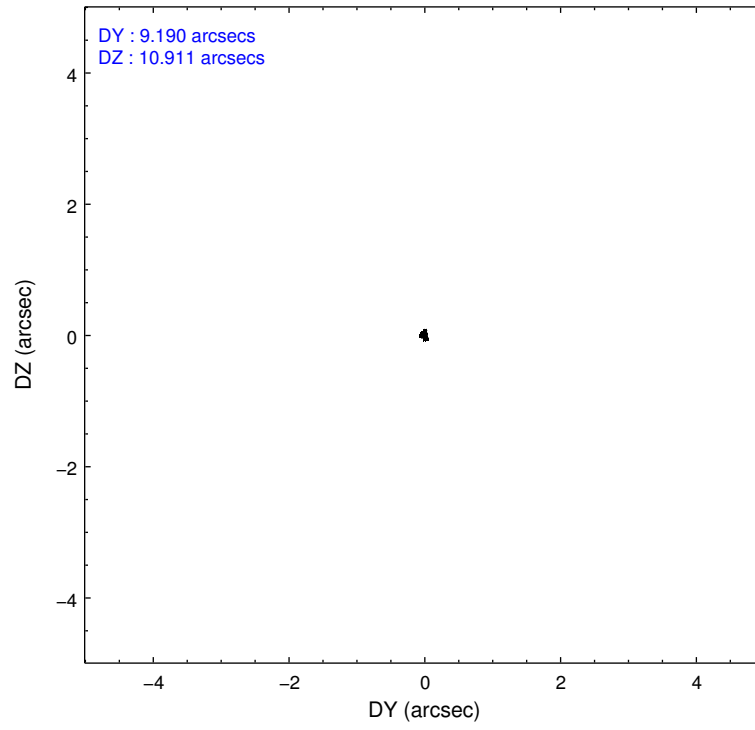
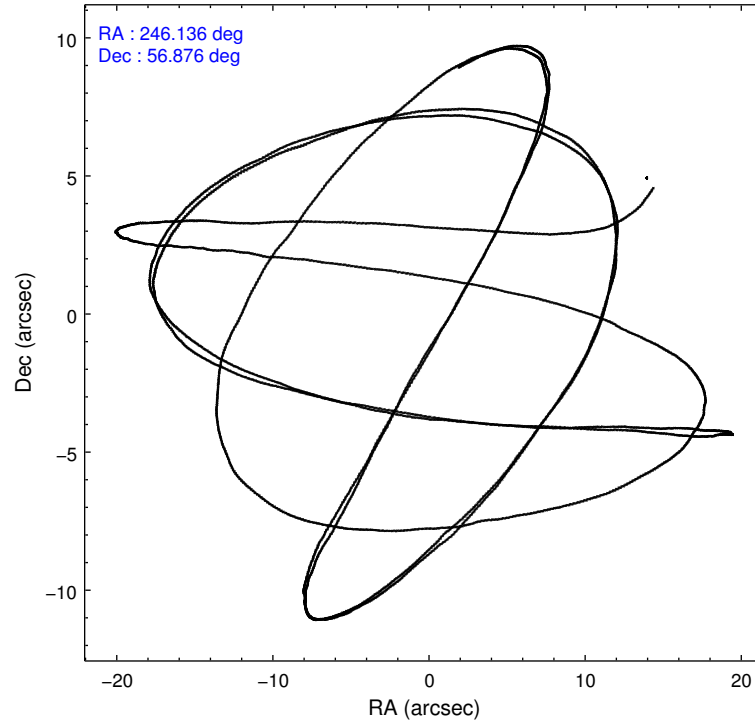
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25437	23003	21351	24131	14730	31107
rejected events	23247	20919	8541	21793	6163	24112
rejected %	91%	90%	40%	90%	41%	77%

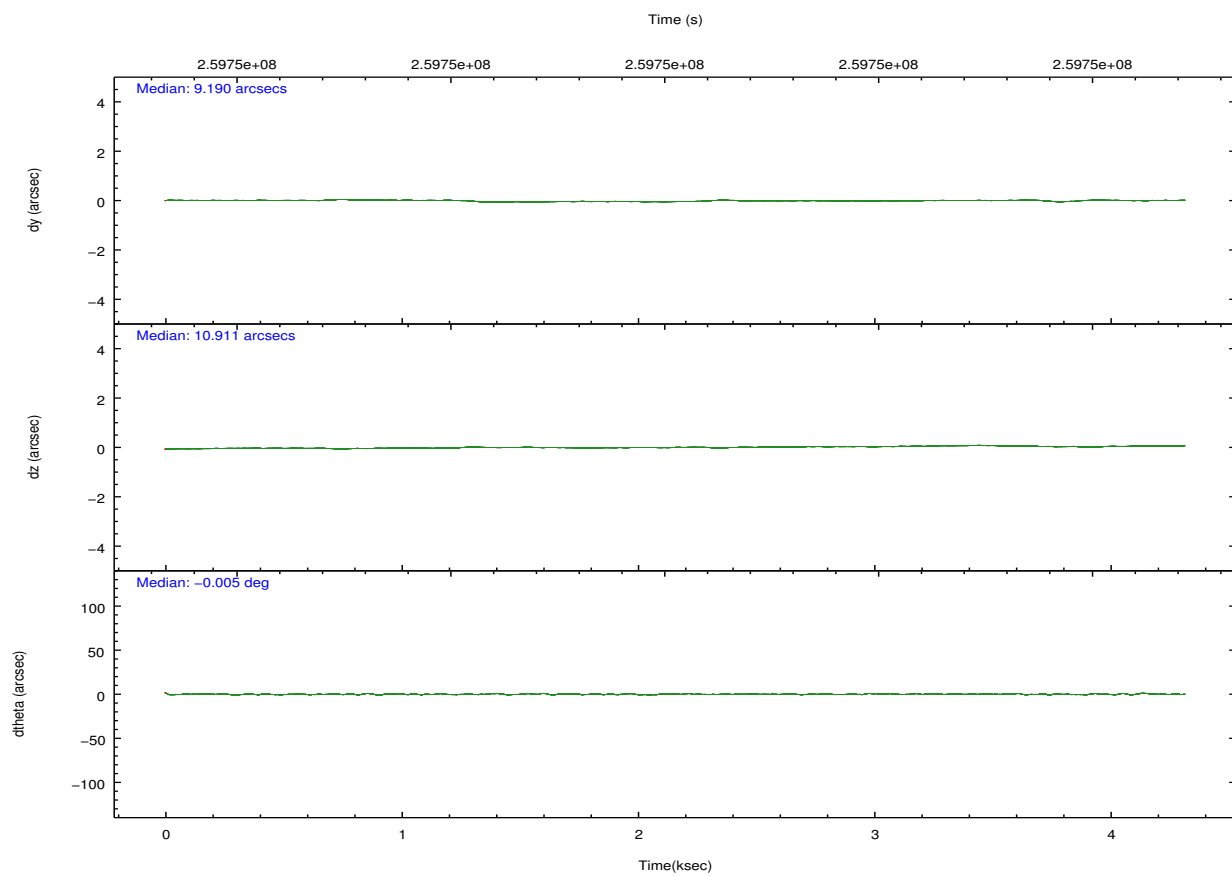
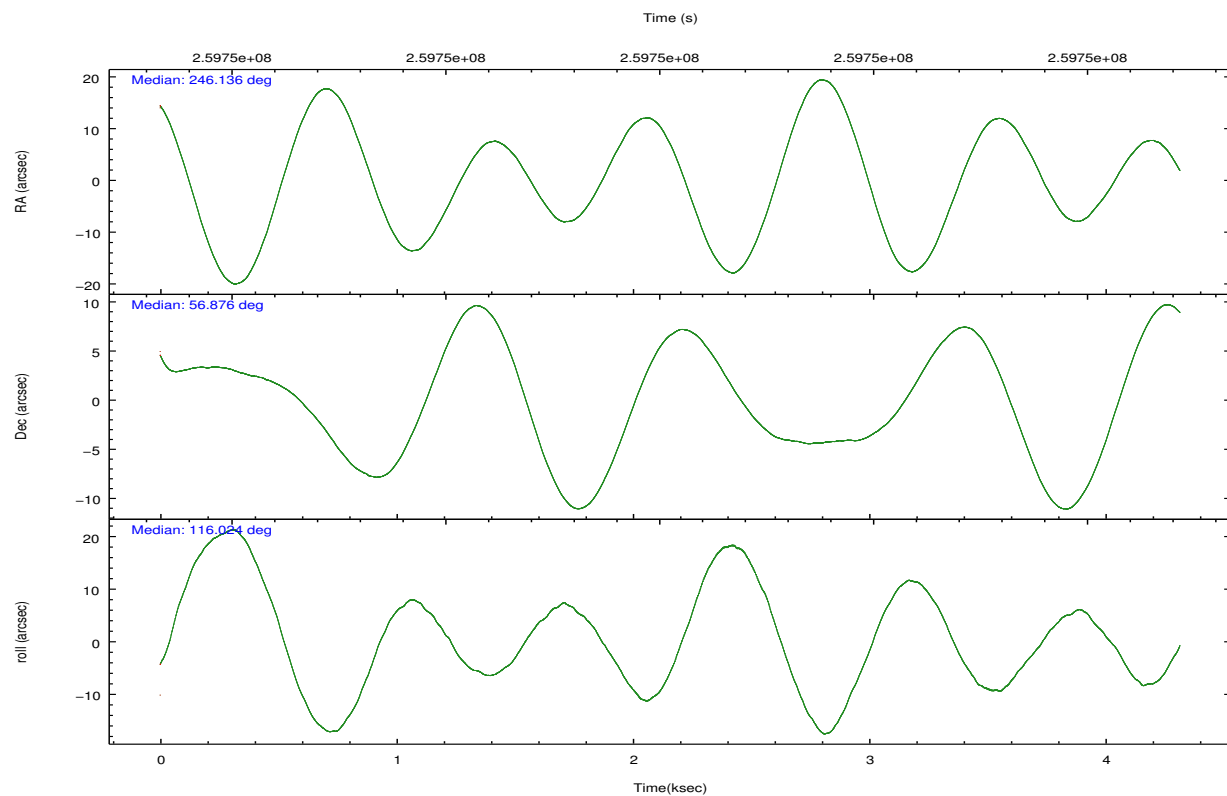
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	986	927	1669	1005	1103	2048
	3%	4%	7%	4%	7%	6%
grade 1 events	13	9	154	13	32	26
	0%	0%	0%	0%	0%	0%
grade 2 events	459	432	3996	458	2069	1639
	1%	1%	18%	1%	14%	5%
grade 3 events	241	204	700	267	872	742
	0%	0%	3%	1%	5%	2%
grade 4 events	236	213	655	249	854	676
	0%	0%	3%	1%	5%	2%
grade 5 events	325	426	1773	443	1497	794
	1%	1%	8%	1%	10%	2%
grade 6 events	272	311	5804	361	3689	1895
	1%	1%	27%	1%	25%	6%
grade 7 events	22905	20481	6600	21335	4614	23287
	90%	89%	30%	88%	31%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	246.177596	246.1358526519788	Subarray requested	NONE	NONE
[deg] Pointing Dec	56.861436	56.87644519742197	Alternating exposures requested	N	N
[deg] Pointing Roll	115.833324	116.0248979854552	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	259746070.184000	259745429.96668			
Observation start date	2006-03-26T07:40:05	2006-03-26T07:30:29			
[s] Observation end time (MET)	259750200.184000	259750421.71691			
Observation end date	2006-03-26T08:48:55	2006-03-26T08:53:41			
Read mode	TIMED	TIMED			

2.3 Aspect



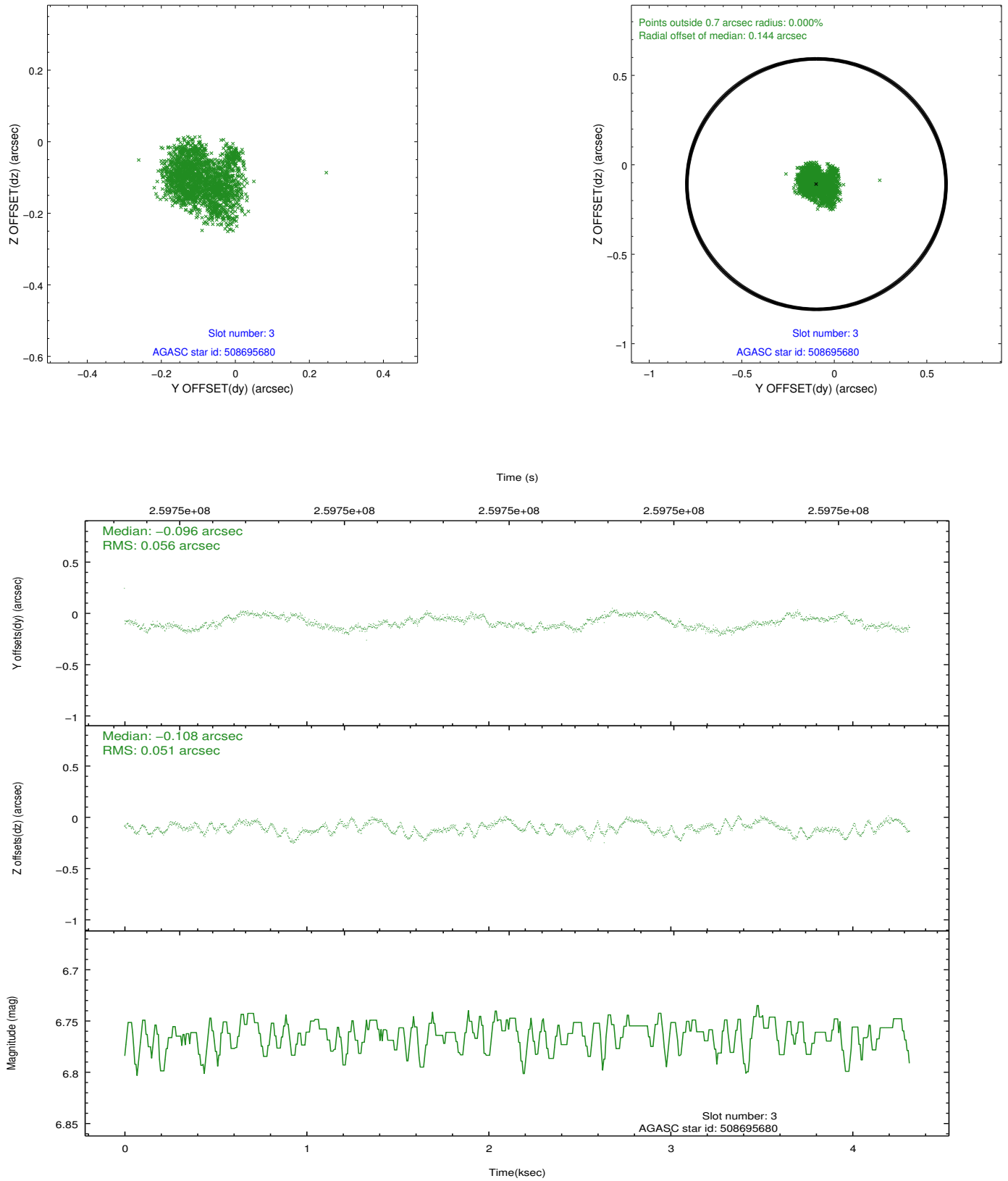


Slot Statistics

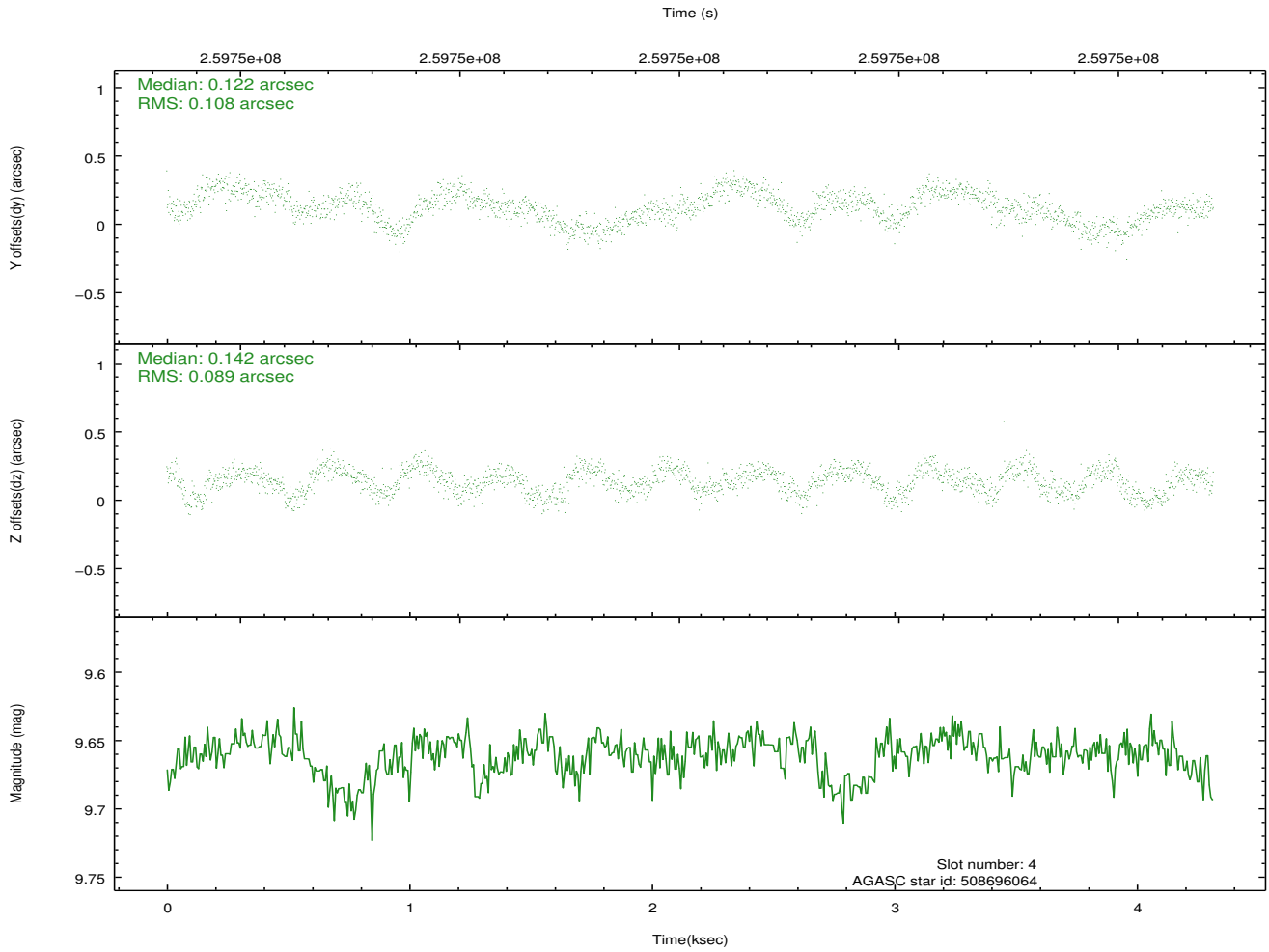
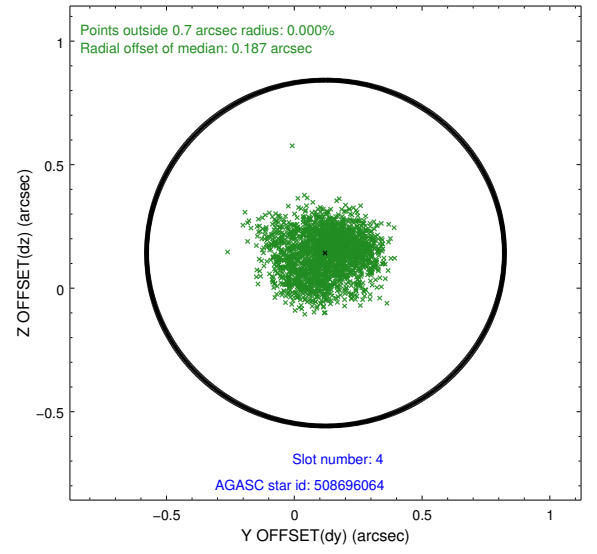
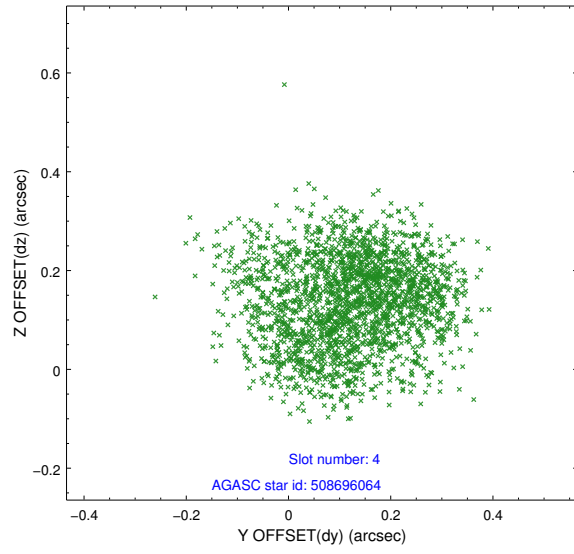
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1053	0.017	-0.077	0.007	0.011	0.000000	0.000000	934.05	-1727.89
1	FID	ACIS-S-4	7.21	1052	0.139	0.050	0.007	0.011	0.000000	0.000000	2152.38	174.91
2	FID	ACIS-S-5	7.23	1053	-0.183	0.040	0.006	0.011	0.000000	0.000000	-1813.18	170.12
3	GUIDE	508695680	6.76	2106	-0.096	-0.108	0.083	0.122	245.400957	56.877085	724.09	1346.74
4	GUIDE	508696064	9.66	2104	0.122	0.142	0.156	0.228	246.365933	57.315829	1313.59	-1041.72
5	GUIDE	508697952	9.45	2105	0.096	0.065	0.121	0.185	245.288323	57.293122	2163.77	874.77
6	GUIDE	508698304	9.44	2103	0.136	-0.022	0.136	0.214	247.263410	56.617642	-1710.60	-1560.35
7	BAD	508697264	10.20	1977	-0.275	-0.079	0.208	0.321	247.263182	57.216568	243.24	-2469.12

2.4 Star Slots

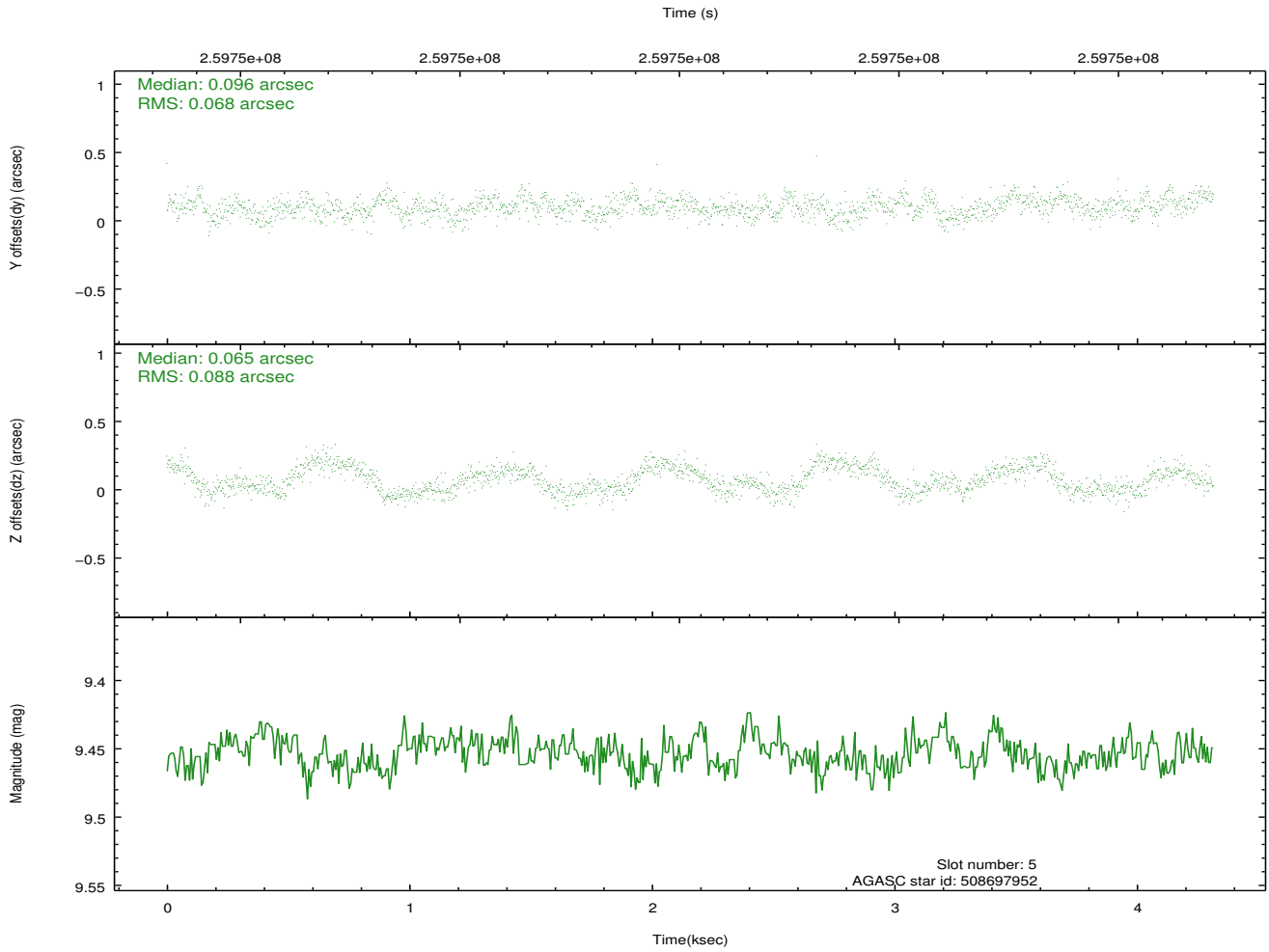
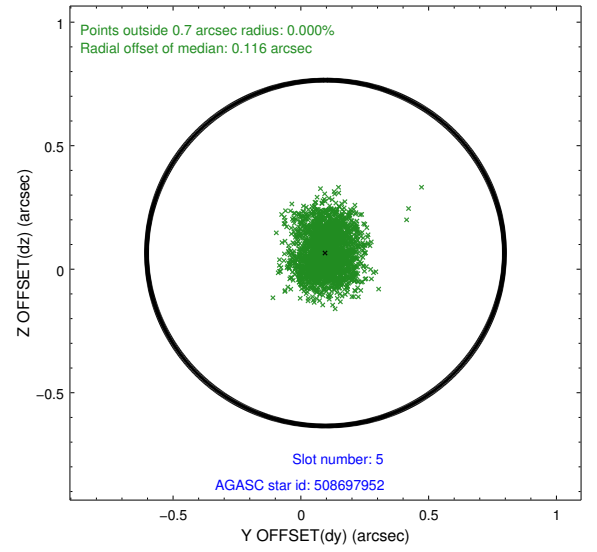
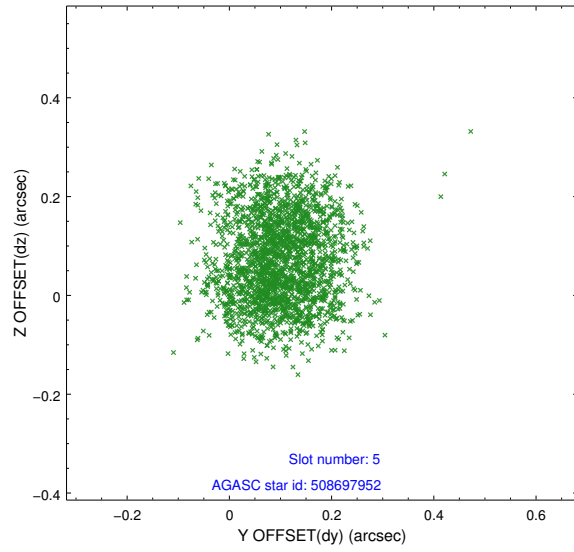
2.4.1 Slot 3



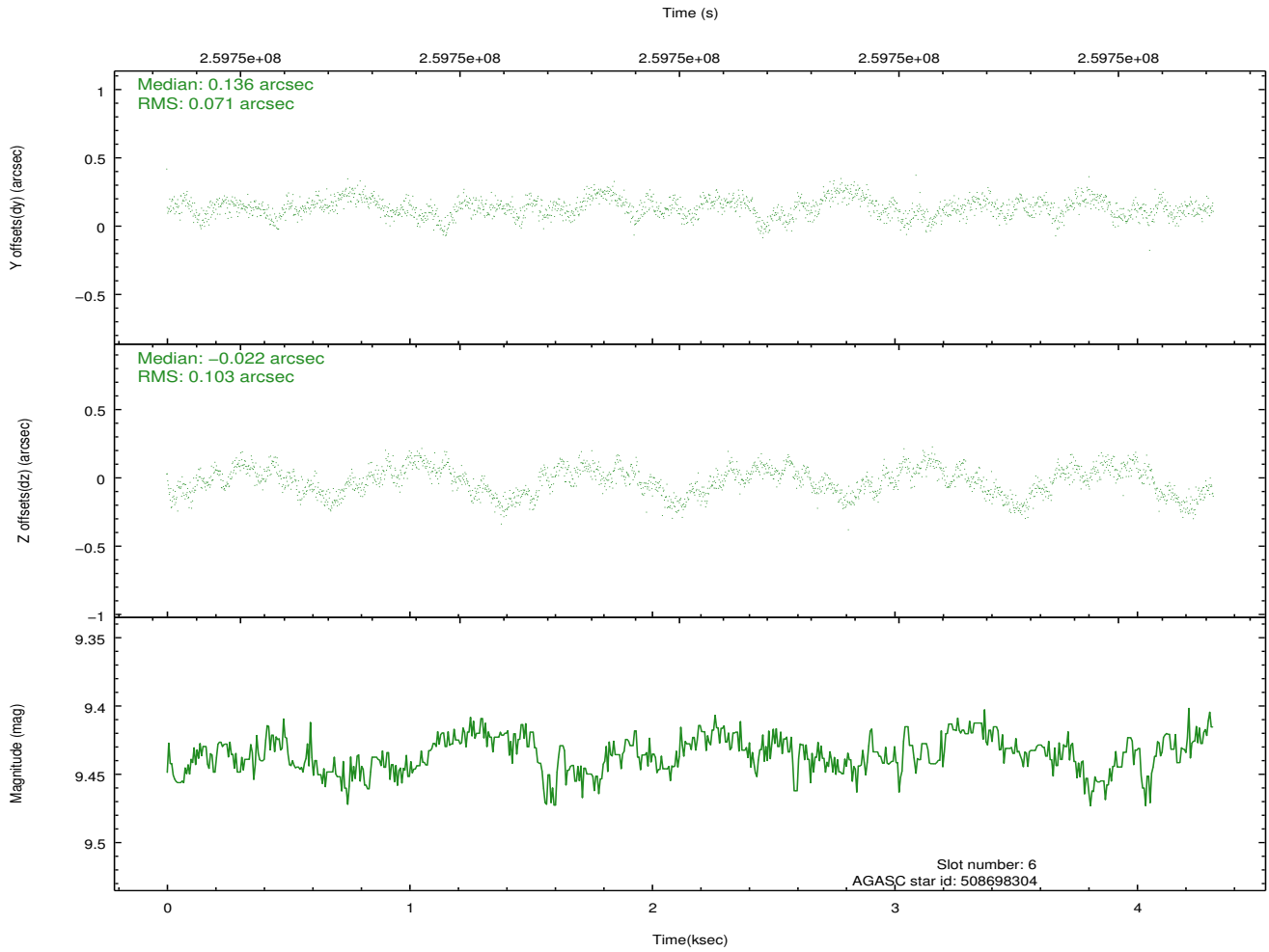
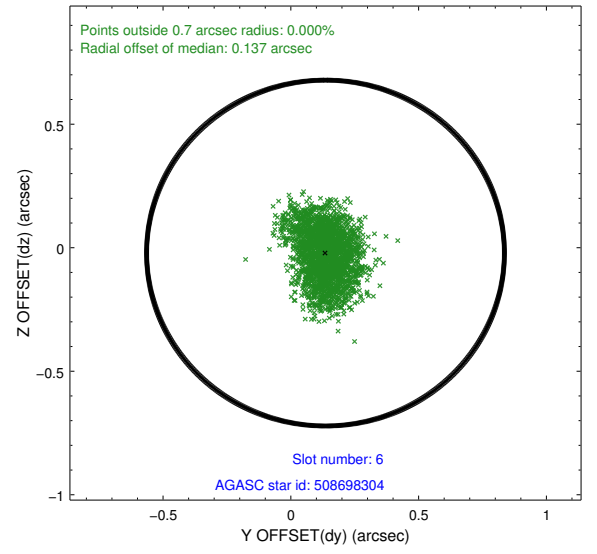
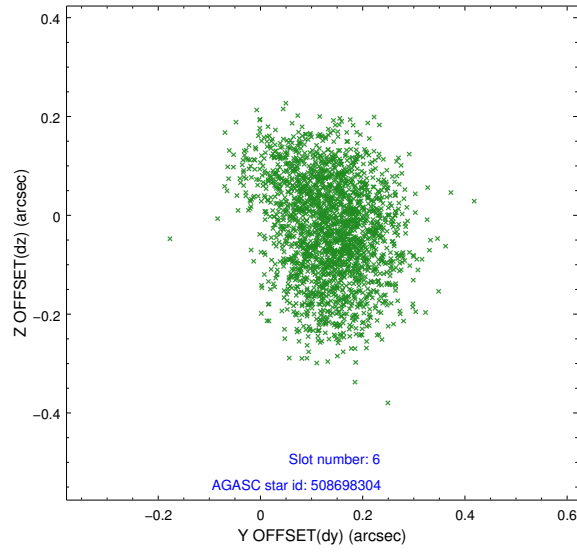
2.4.2 Slot 4



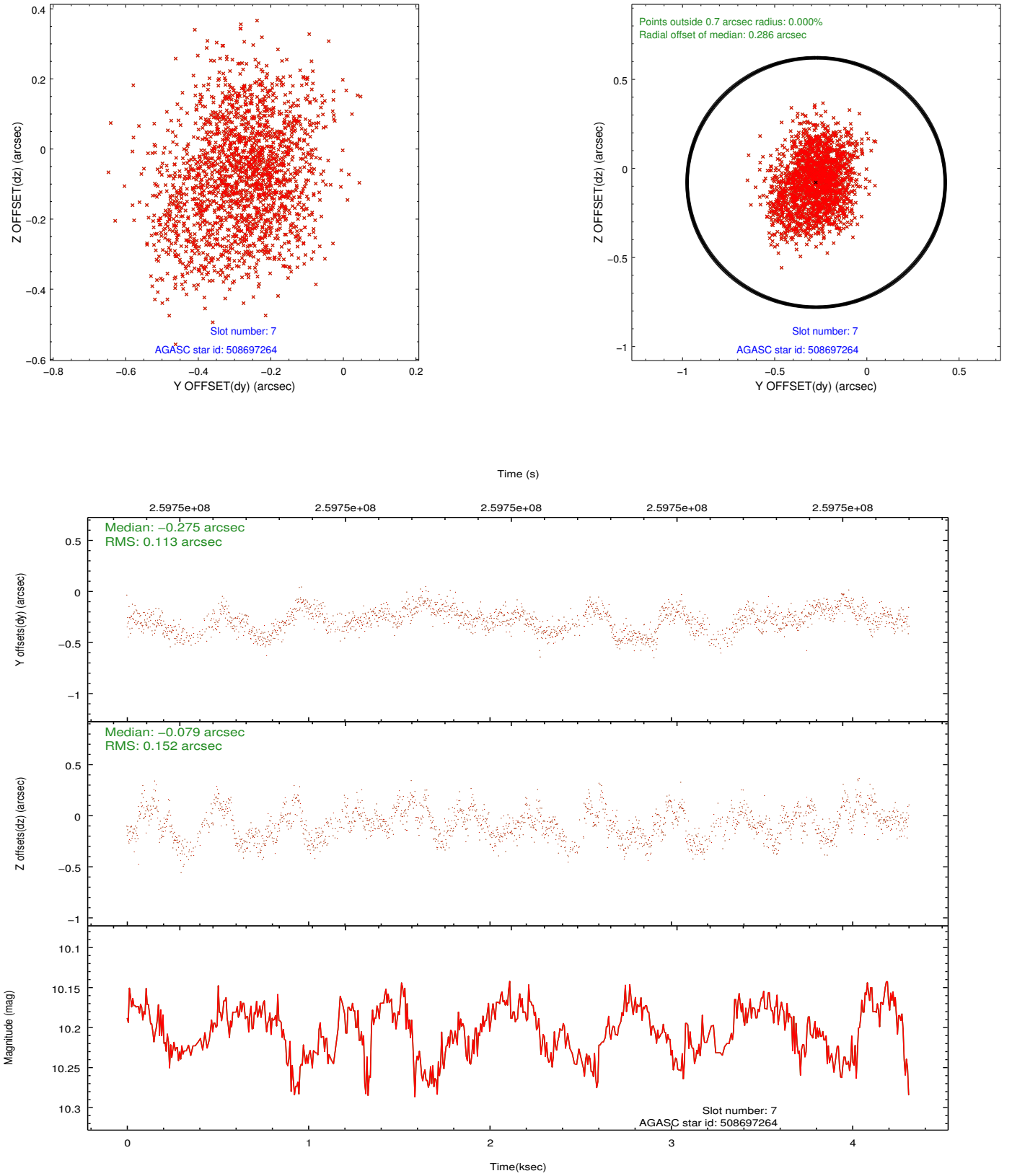
2.4.3 Slot 5



2.4.4 Slot 6

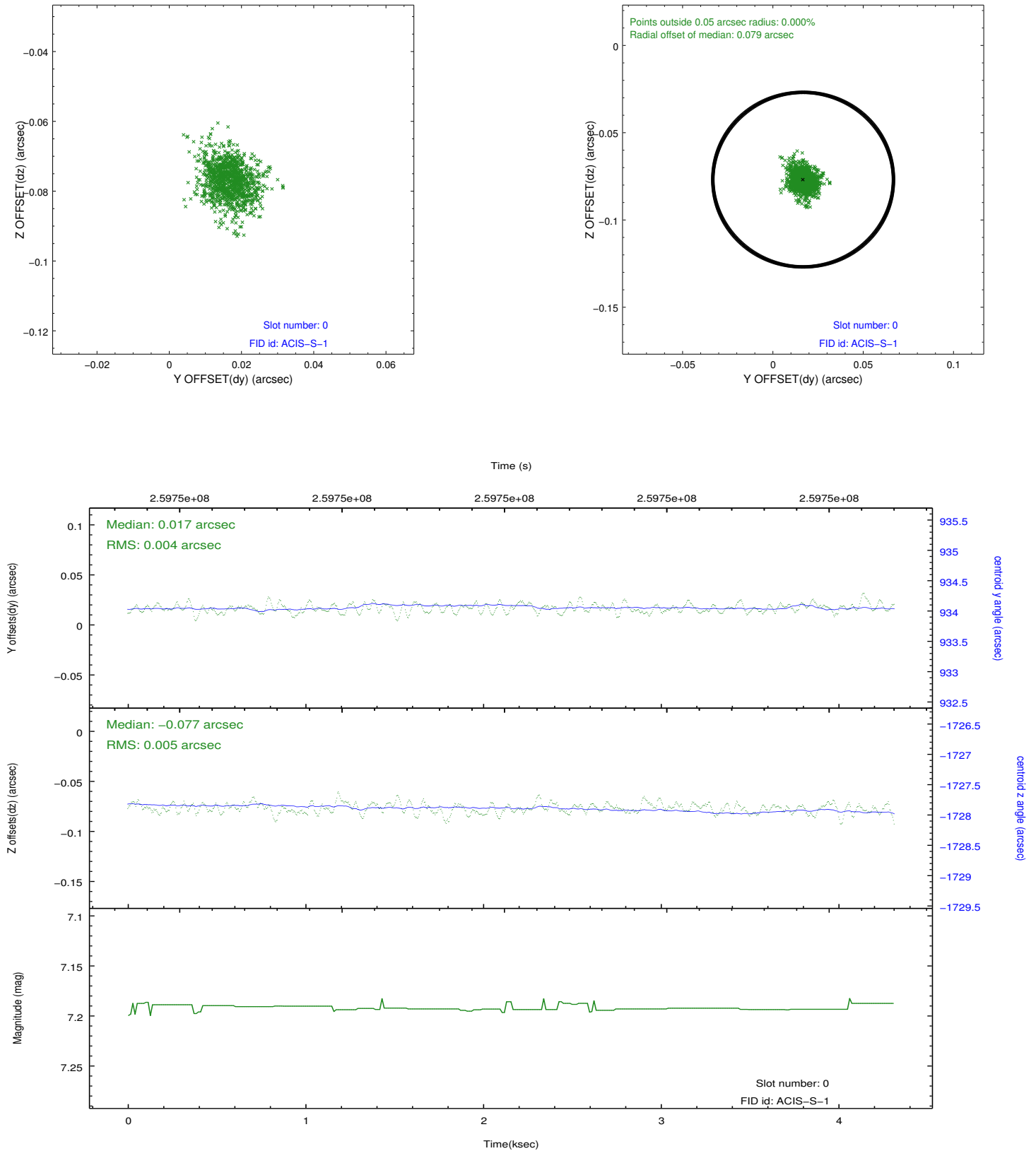


2.4.5 Slot 7

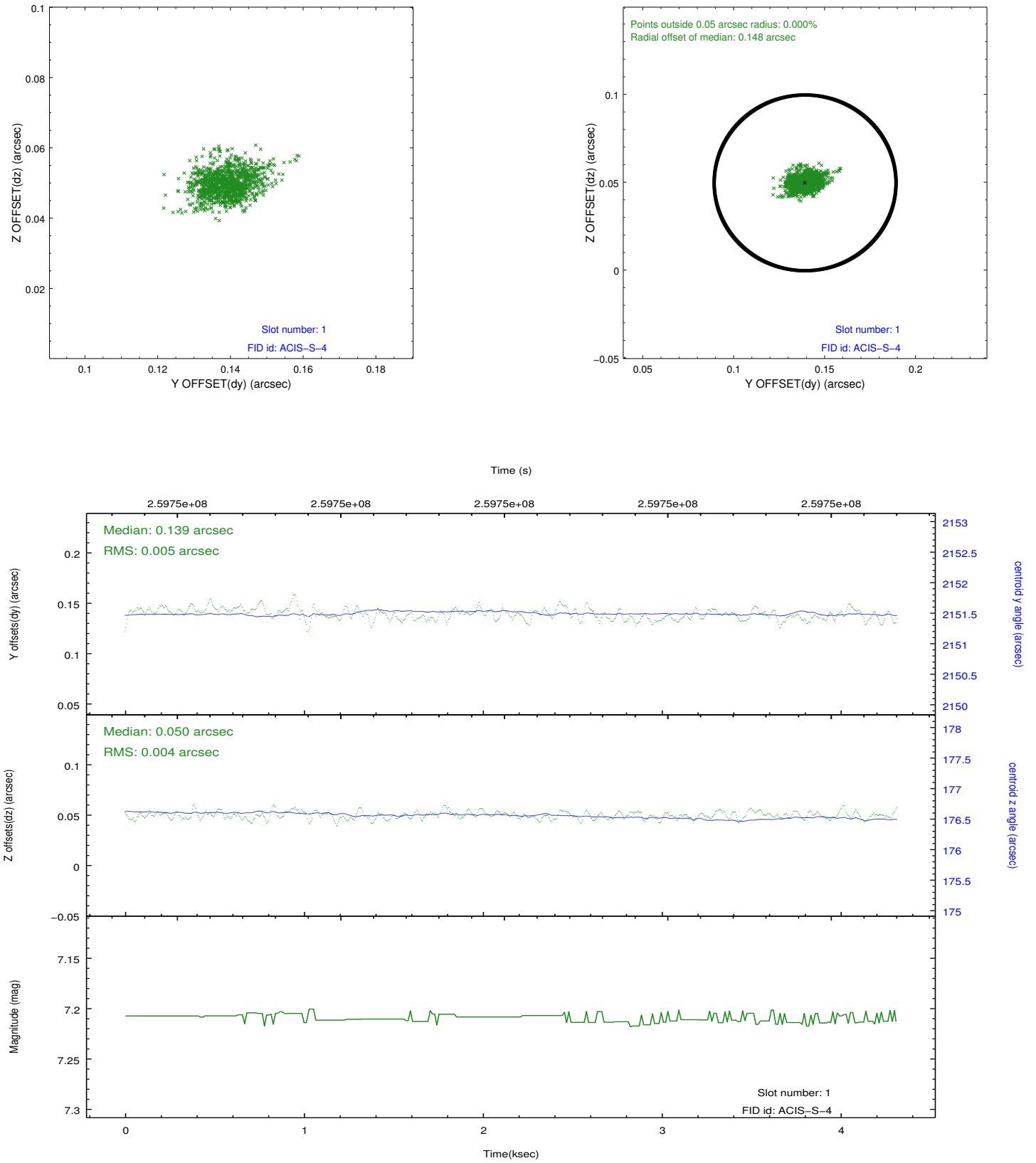


2.5 FID Slots

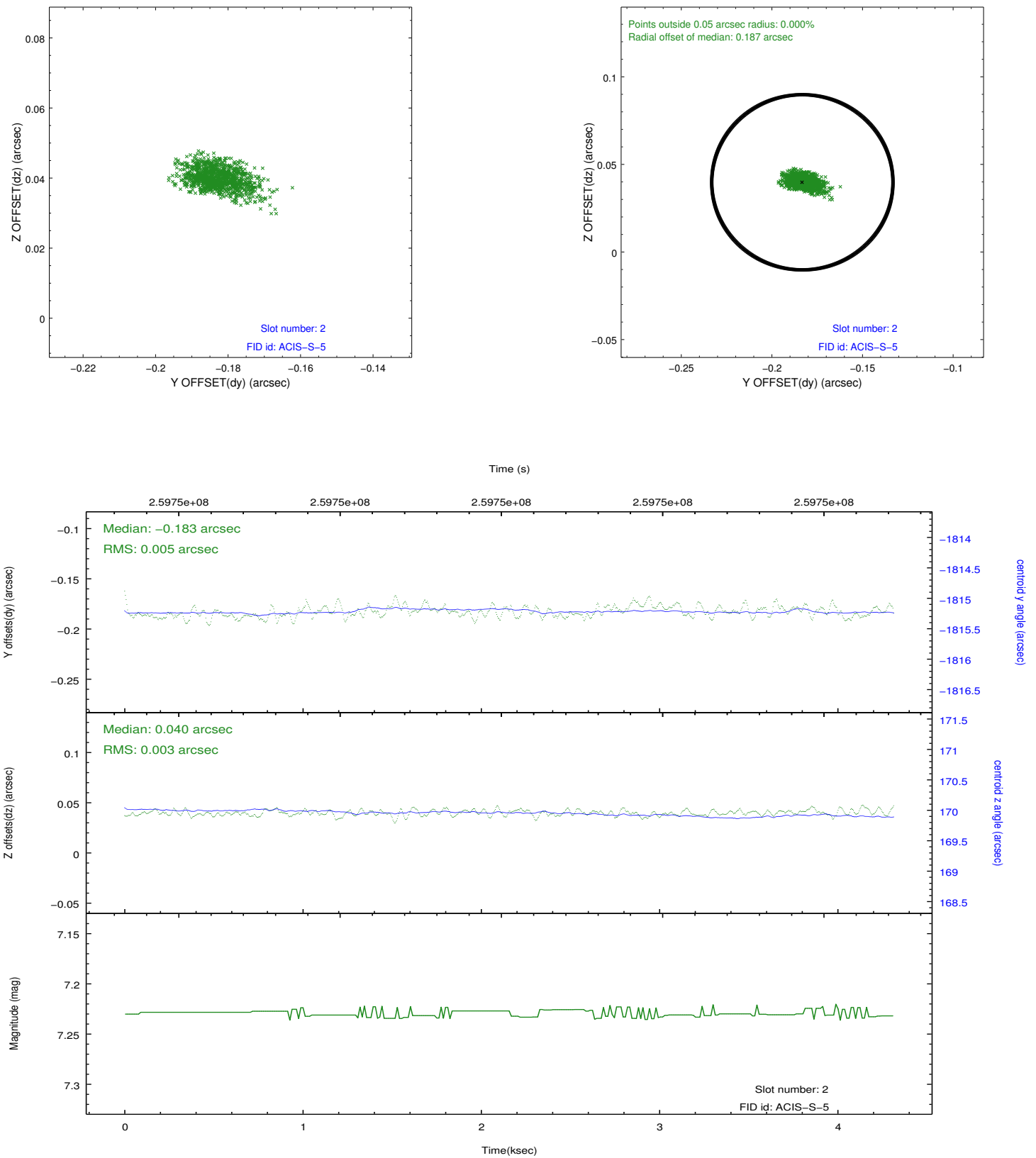
2.5.1 Slot 0



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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.88799998

A.2 Comments