

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4918 - L2 Version 001
Chandra X-Ray Center

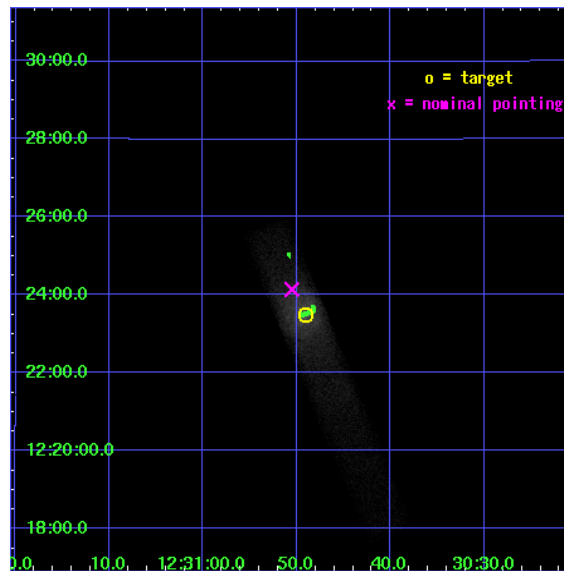
L2 Processing Date : Jun 22 2006

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1 Front

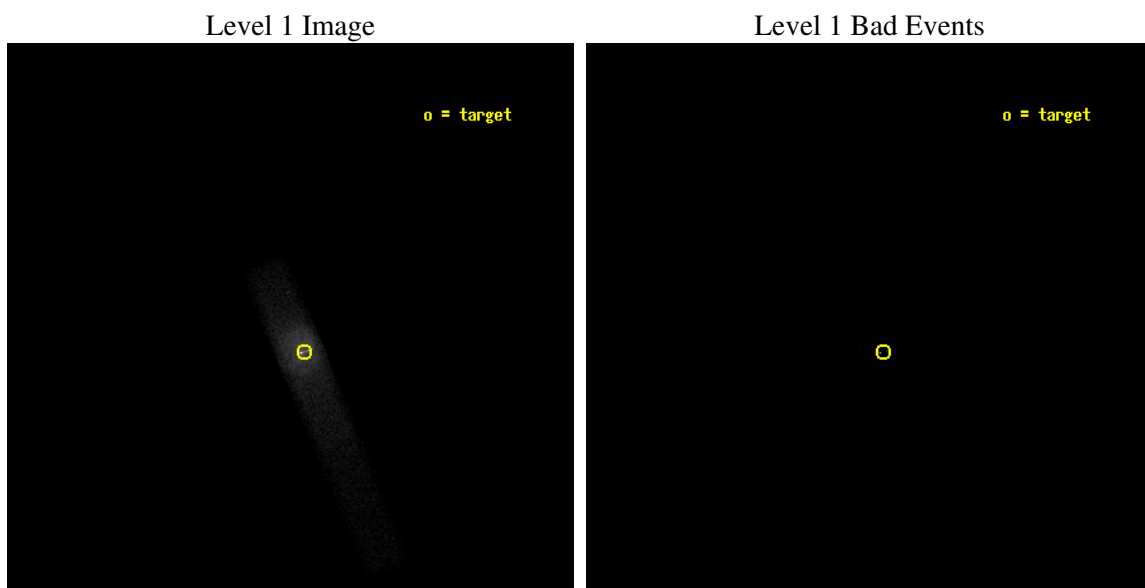
seq_num	700999
obs_id	4918
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet
observer	Dr. John Biretta
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.71056673464
dec_nom	12.402377862886
roll_nom	67.380253584093
revision	2
ontime	5157.2000768483
livetime	4677.3082503612
ontime7	5157.2000768483
l2events	58071



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-22T13:17:29
revision	2

sched_exp_time	5000.000000
ontime	5979.5480599999
ontime7	5979.5480599999
l1events	65949

2.1.4 Events

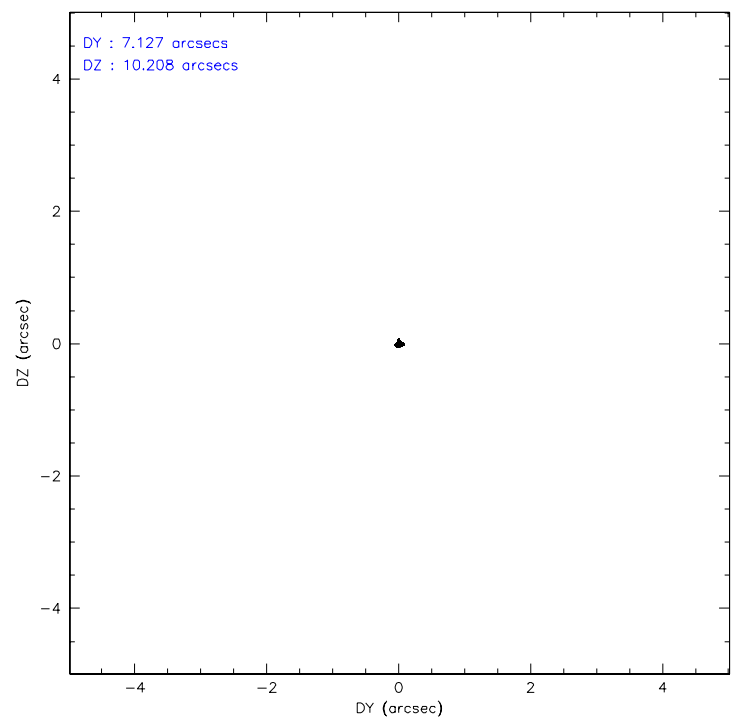
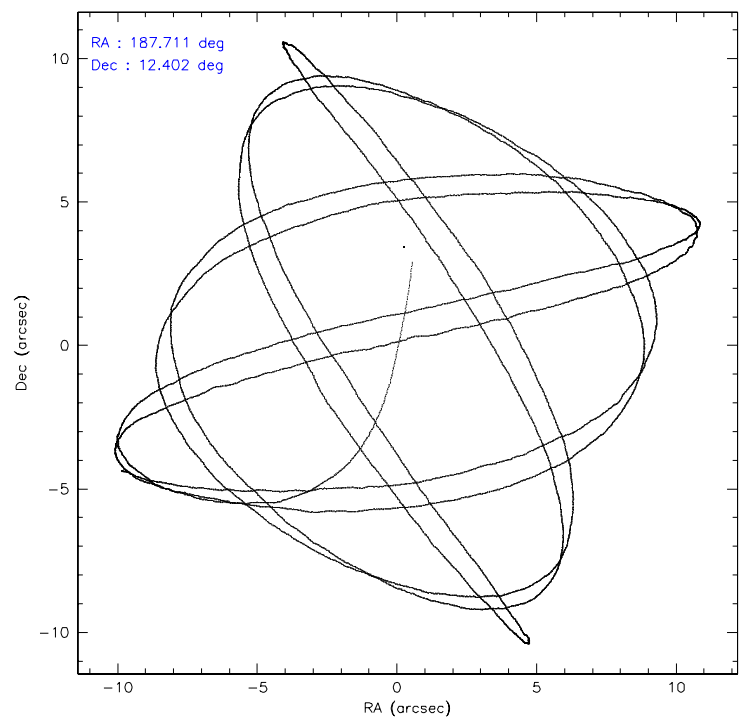
	ccd 7
level 1 events	65949
rejected events	7215
rejected %	10%

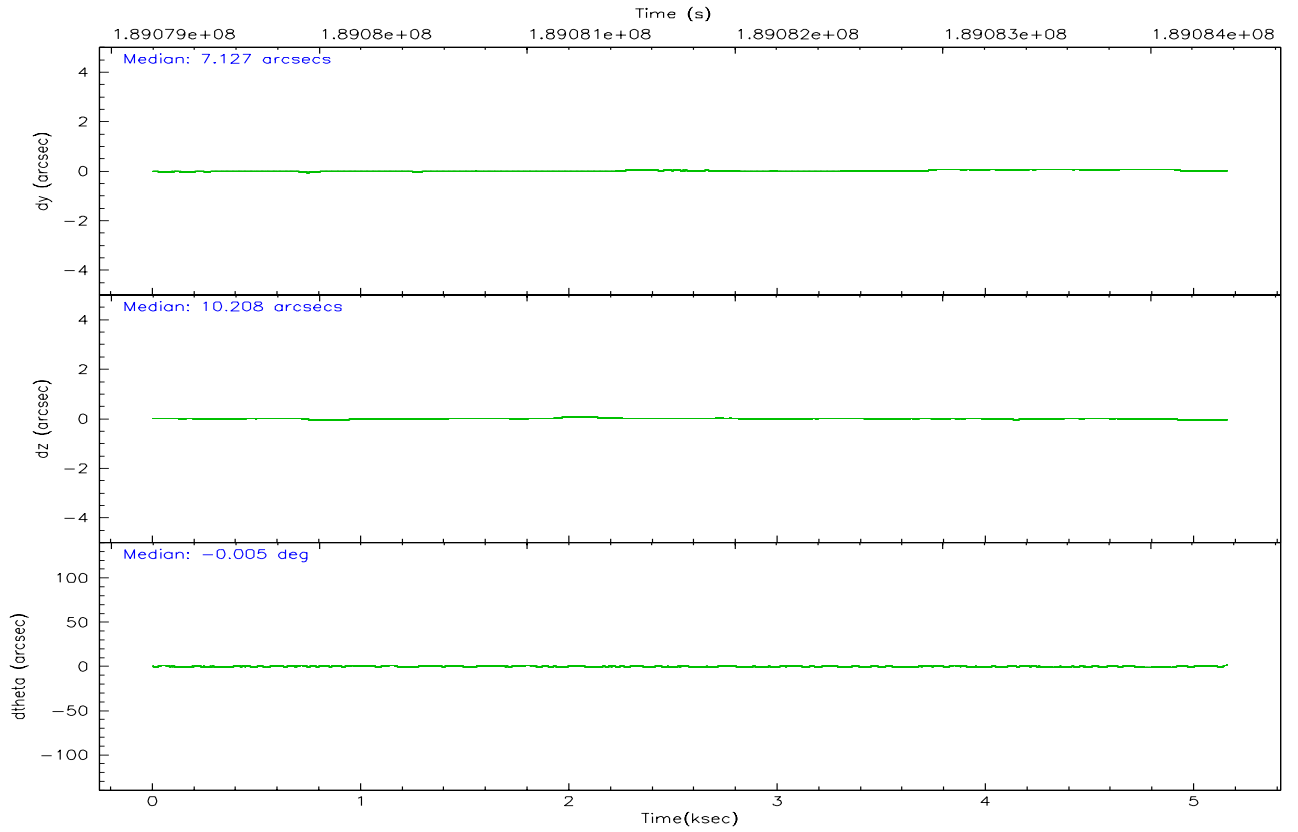
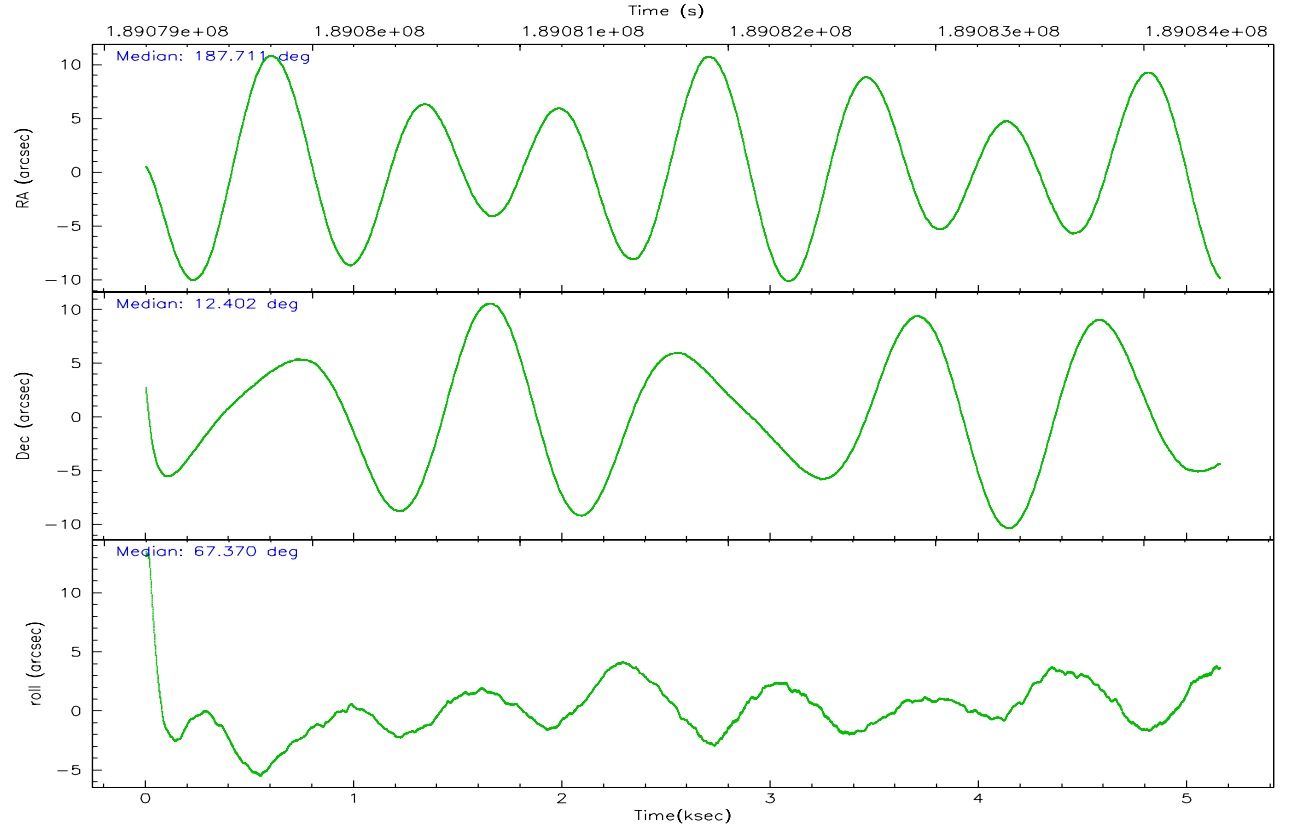
	ccd 7
grade 0 events	18708
	28%
grade 1 events	162
	0%
grade 2 events	16310
	24%
grade 3 events	6867
	10%
grade 4 events	6770
	10%
grade 5 events	1248
	1%
grade 6 events	12119
	18%
grade 7 events	3765
	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	187.714596	187.7105667346374	Subarray start row	0	449
Pointing Dec	12.375459	12.40237786288612	Subarray row count	1024	128
Pointing Roll	67.222717	67.38025358409347	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	189079362.184000	189078340.81321			
Observation start date	2003-12-29T10:01:38	2003-12-29T09:45:40			
Observation end time	189084362.184000	189085010.4885			
Observation end date	2003-12-29T11:24:58	2003-12-29T11:36:50			
Read mode	TIMED	TIMED			

2.3 Aspect



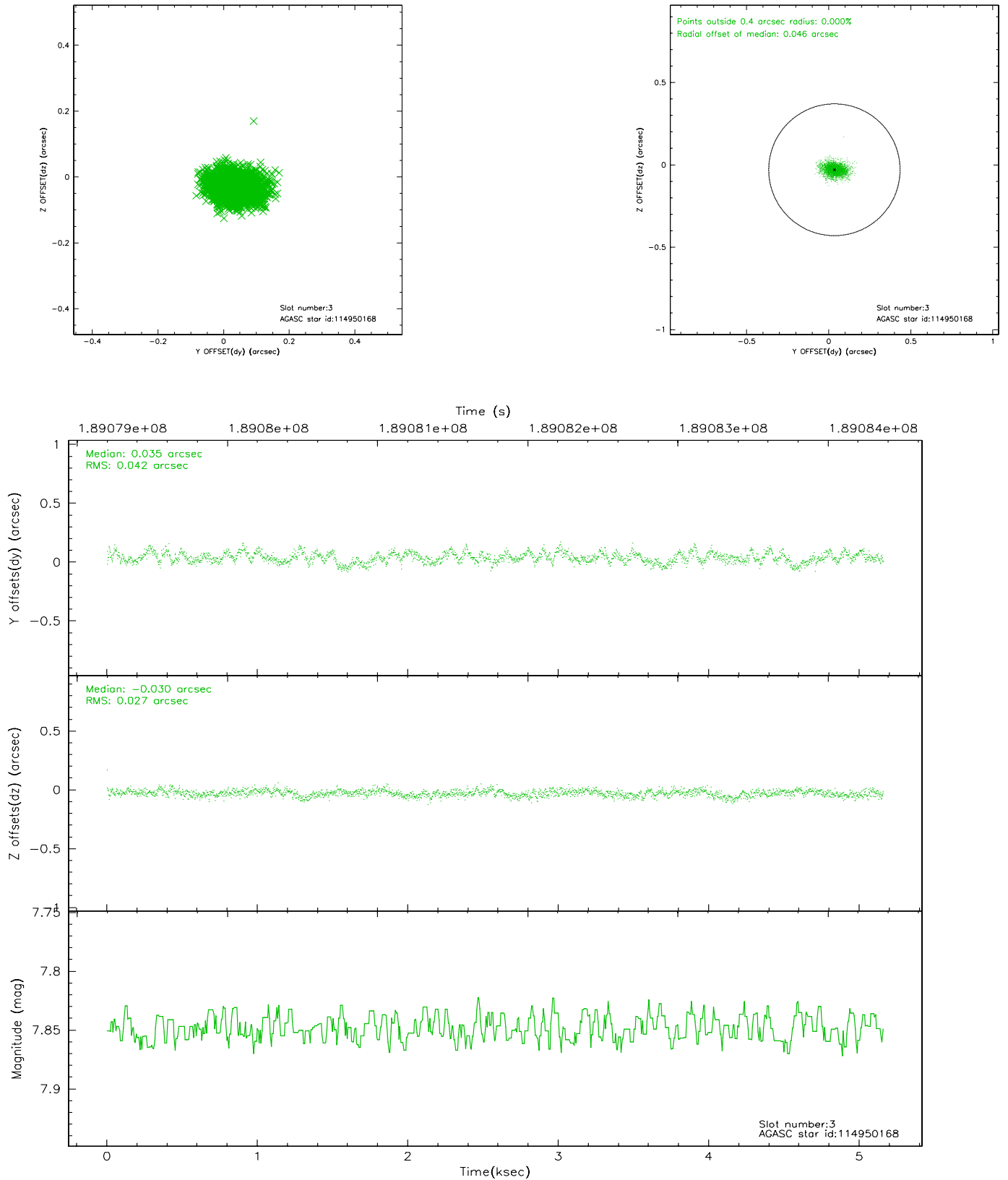


Slot Statistics

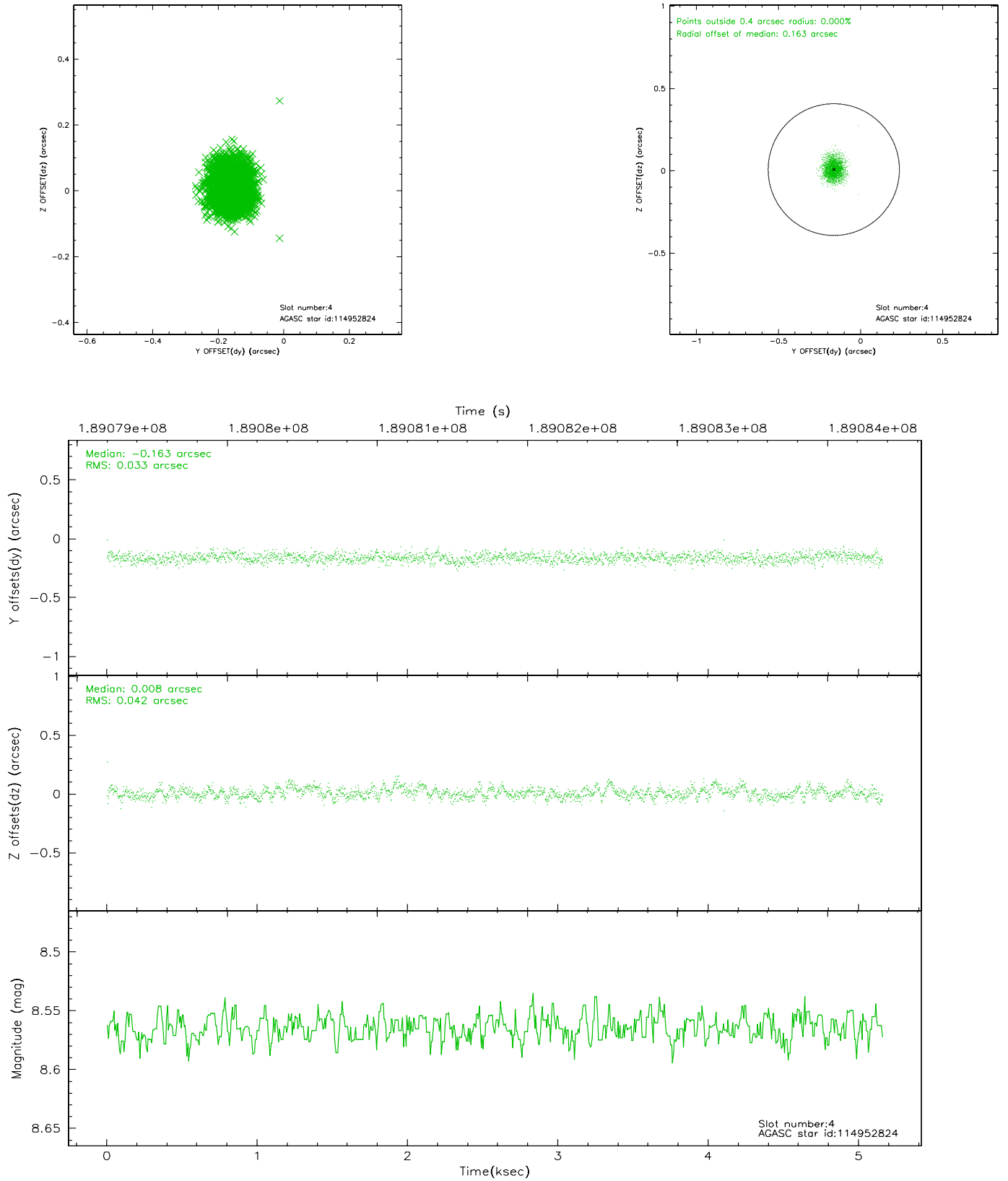
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1258	-0.025	0.021	0.007	0.011	0.000000	0.000000	-759.88	-1731.45
1	FID	ACIS-S-4	7.20	1258	0.011	0.006	0.005	0.010	0.000000	0.000000	2152.86	175.86
2	FID	ACIS-S-5	7.23	1259	-0.017	-0.019	0.006	0.010	0.000000	0.000000	-1811.25	170.76
3	GUIDE	114950168	7.85	2517	0.035	-0.030	0.052	0.089	187.143398	12.117441	-1632.88	1494.85
4	GUIDE	114952824	8.56	2517	-0.163	0.008	0.057	0.092	187.703904	12.486727	354.11	190.76
5	GUIDE	114955056	8.33	2517	-0.058	0.424	0.062	0.102	187.914001	12.127854	-549.42	-991.42
6	GUIDE	114957008	8.24	2516	0.071	-0.122	0.083	0.135	186.894794	12.099160	-2030.76	2276.97
7	GUIDE	114954440	9.22	2513	0.117	-0.280	0.112	0.185	186.915066	12.219118	-1605.04	2377.71

2.4 Star Slots

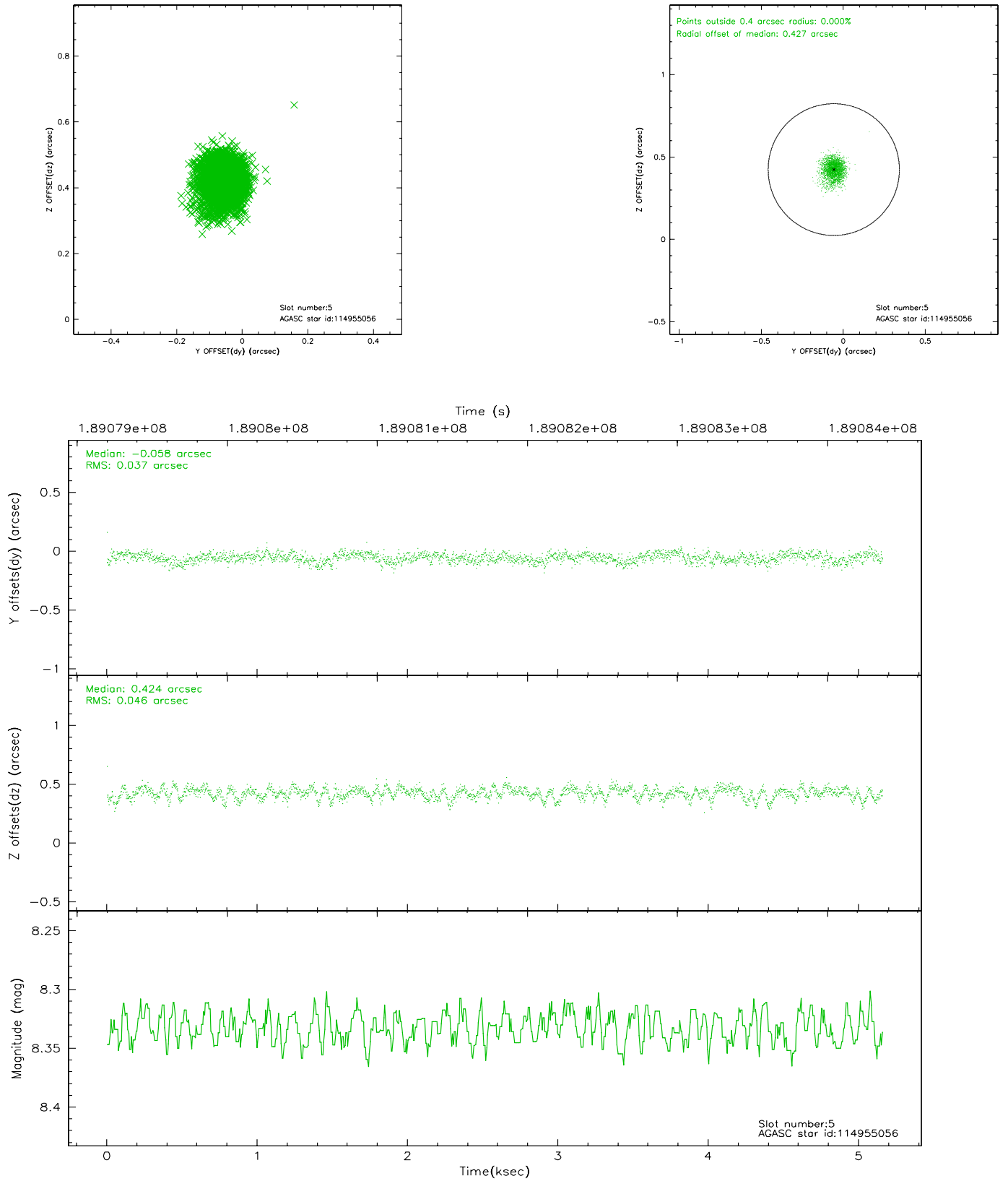
2.4.1 Slot 3



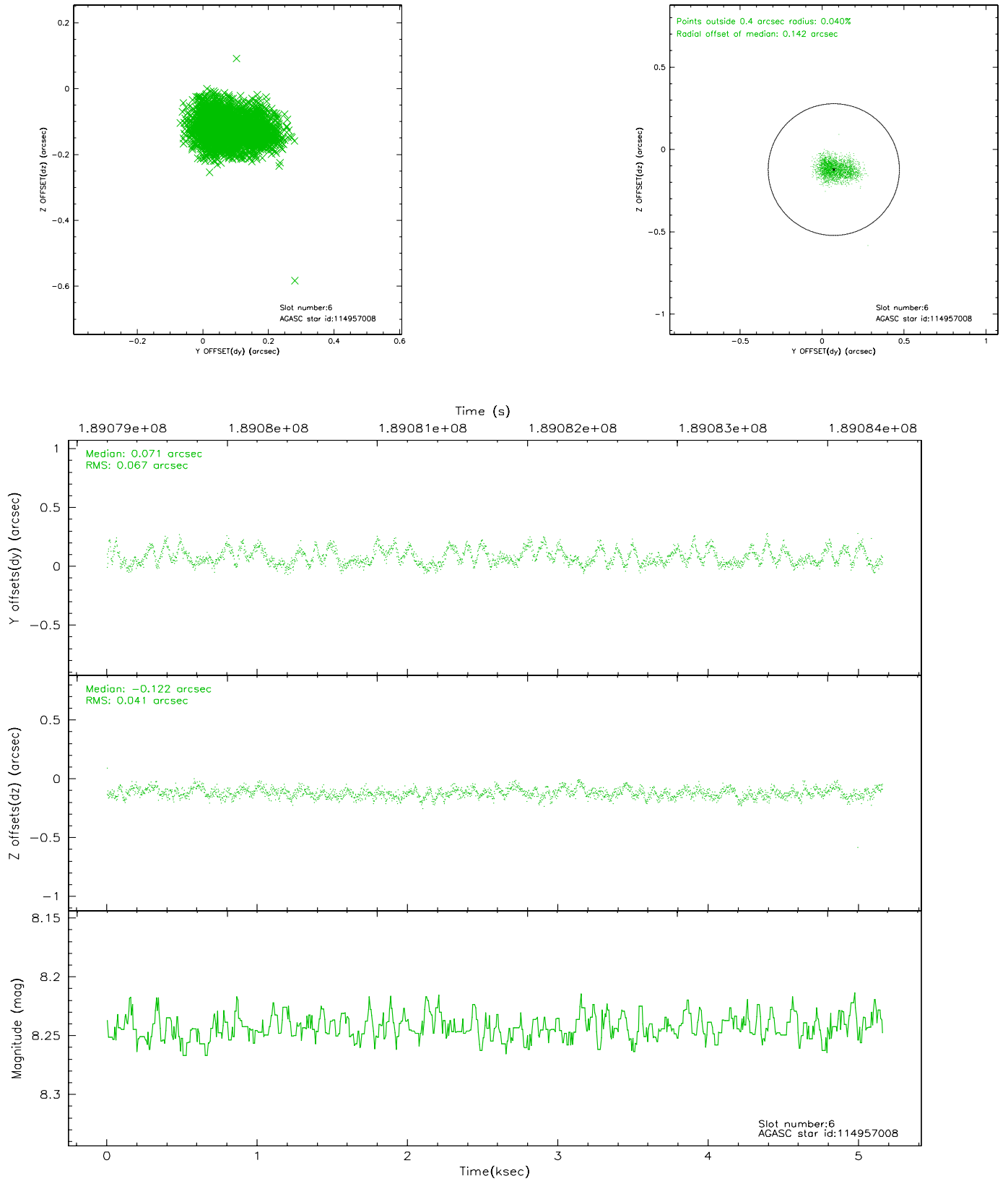
2.4.2 Slot 4



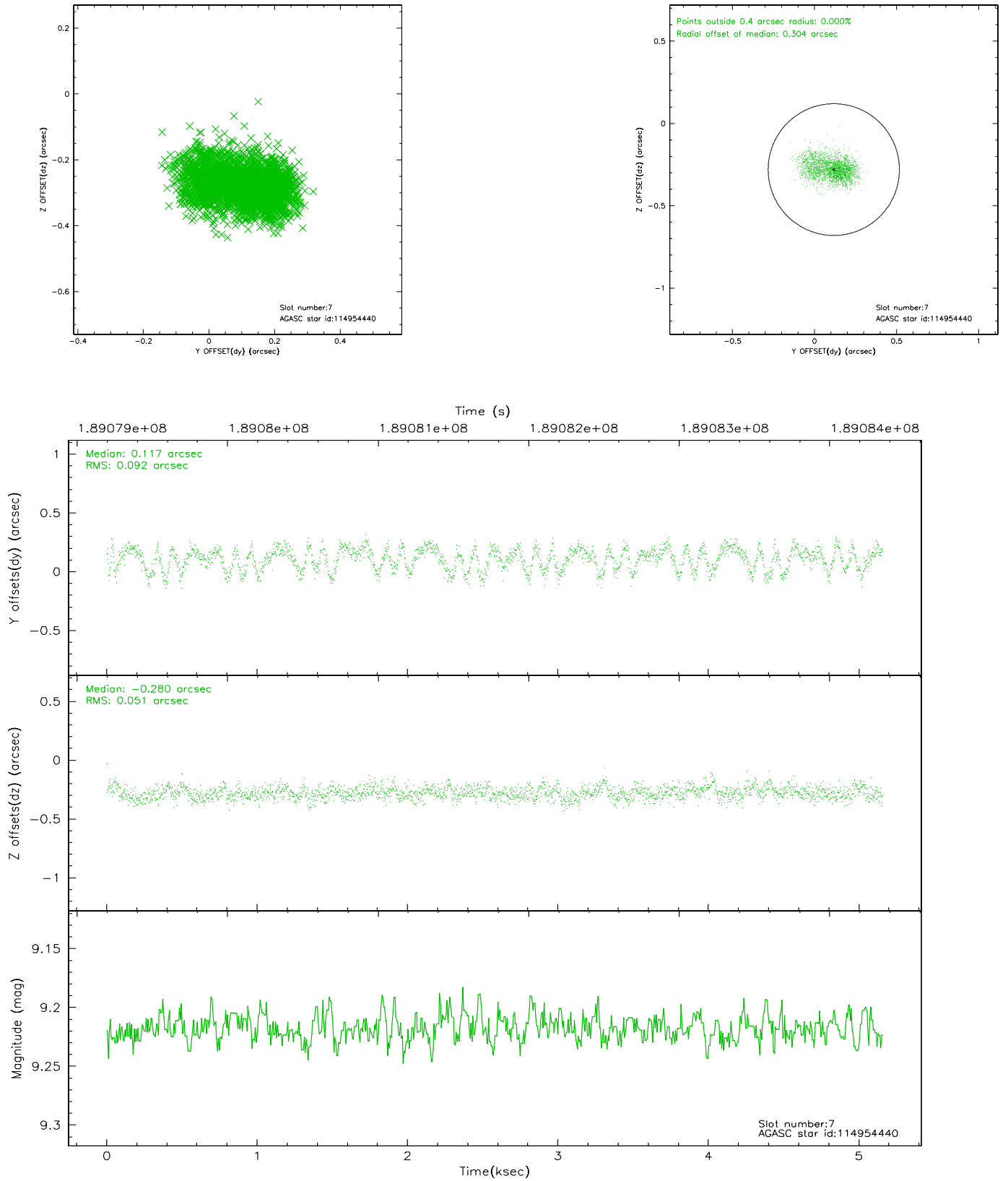
2.4.3 Slot 5



2.4.4 Slot 6

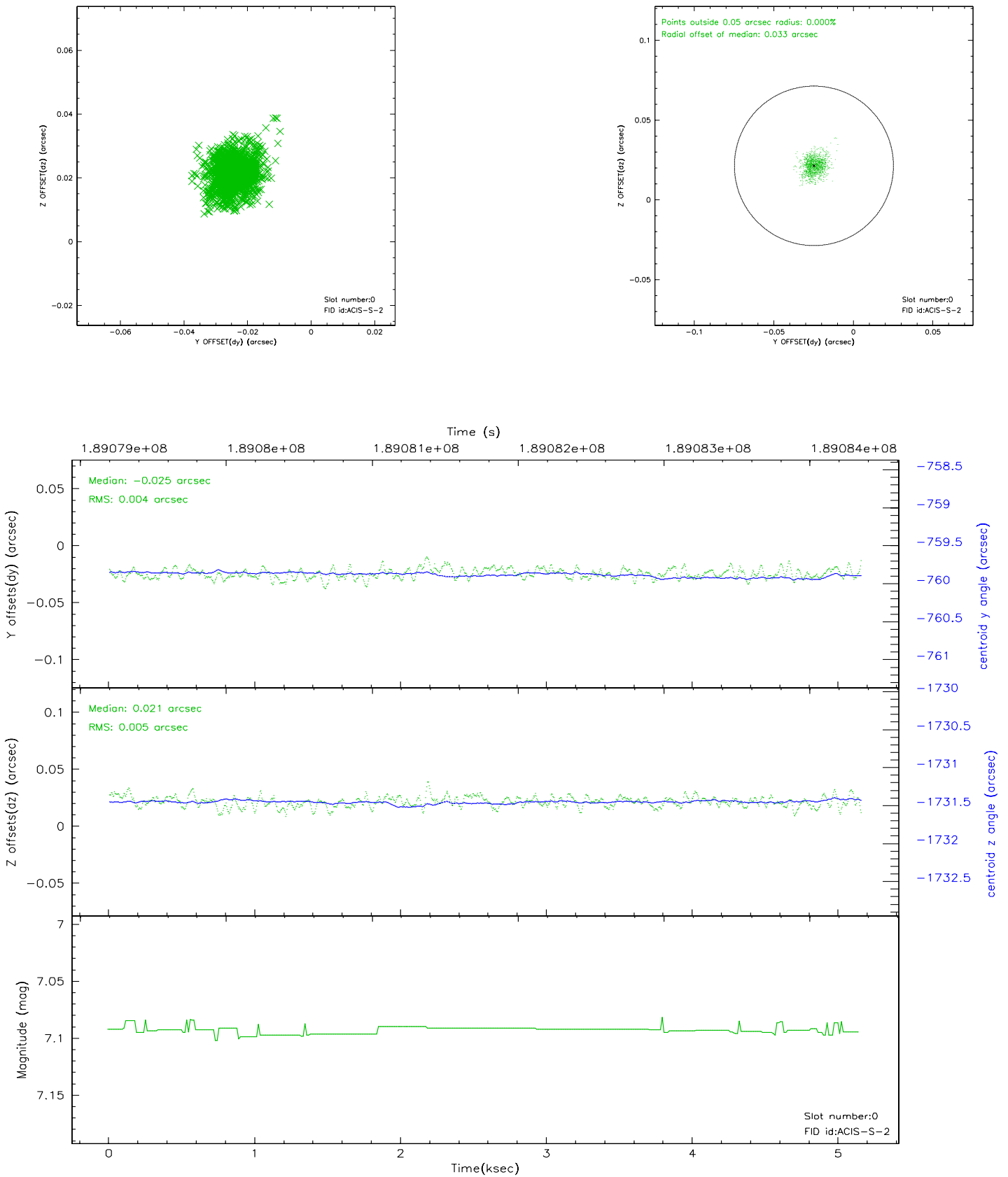


2.4.5 Slot 7

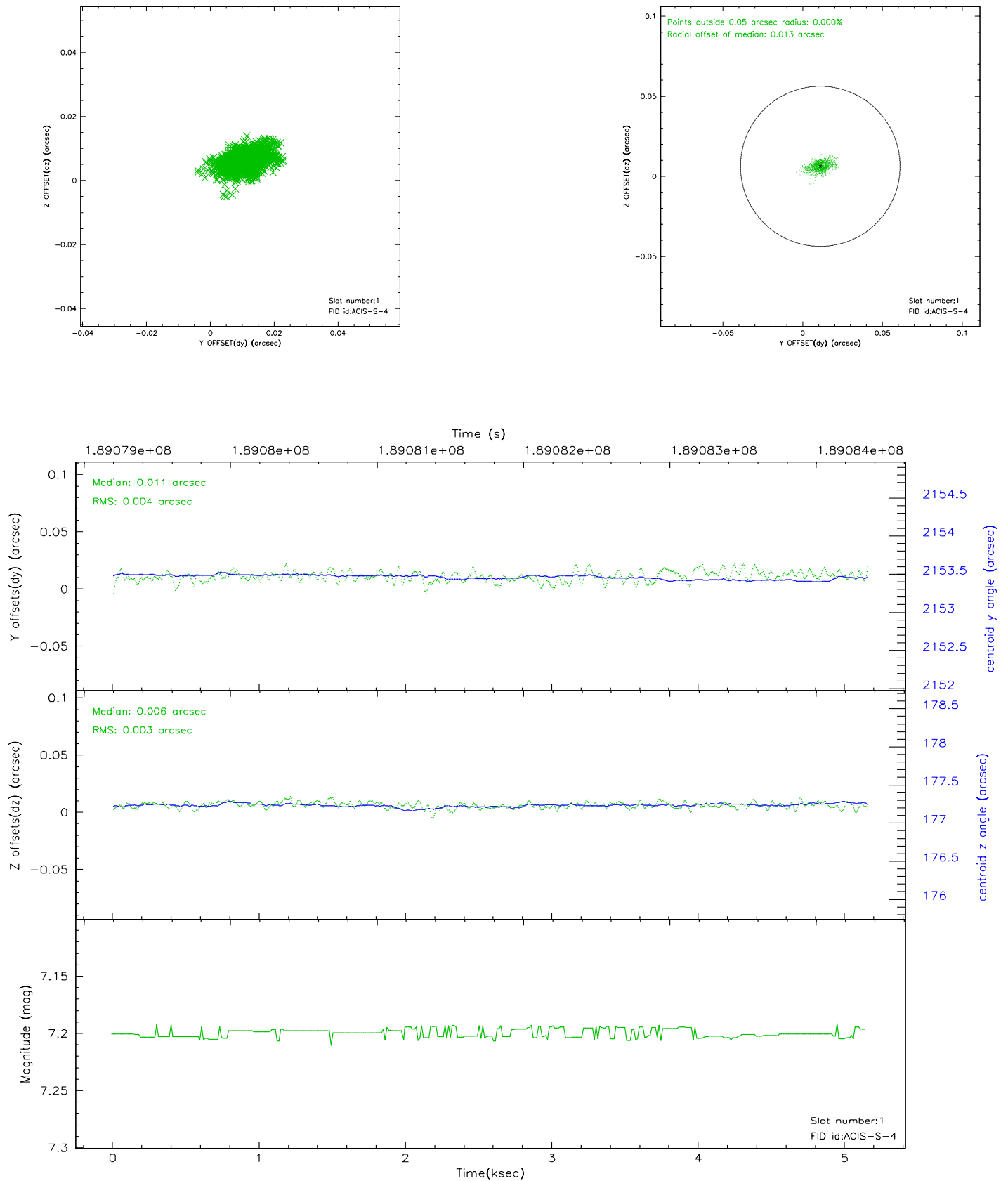


2.5 FID Slots

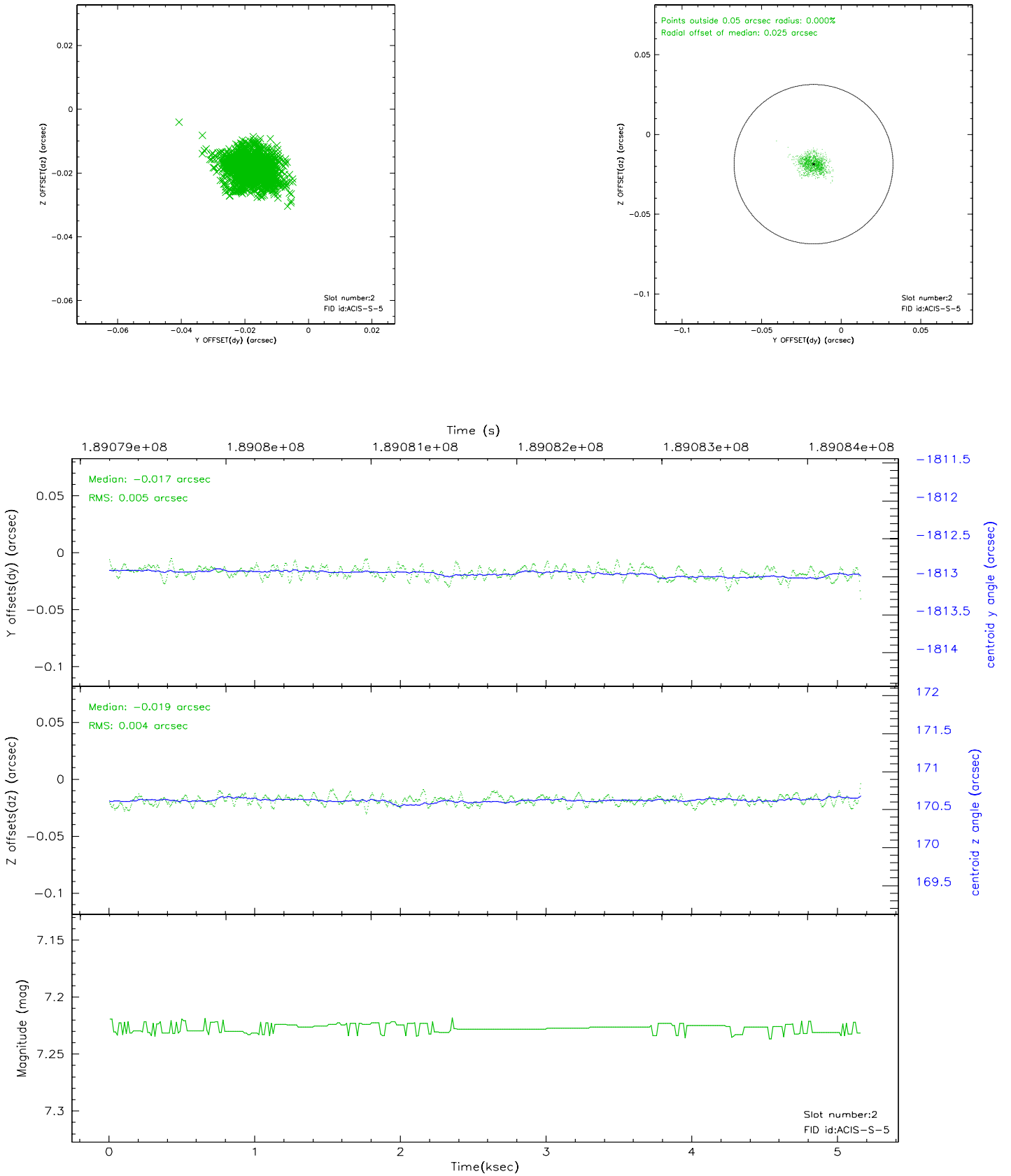
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.157

A.2 Comments

Monitor constraint met.

On day 356 at about 00:30, the OBA heater stuck in the 'on' position. This situation affected obsid 4901 and all subsequent observations to this point. The result of this anomaly could be a displacement of the target on the chip in the z direction. The displacement will be small because everything is still within spec, but the target may be spatially displaced, have a different point spread function, or trail across the chip.