

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2022 - L2 Version 001
Chandra X-Ray Center

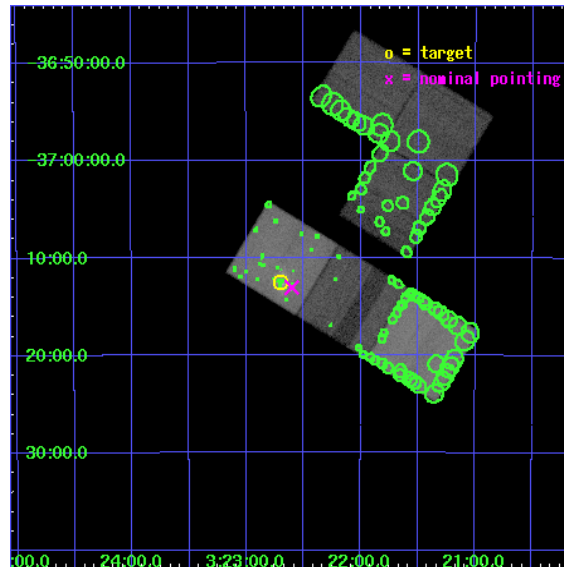
L2 Processing Date : Nov 14 2006

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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

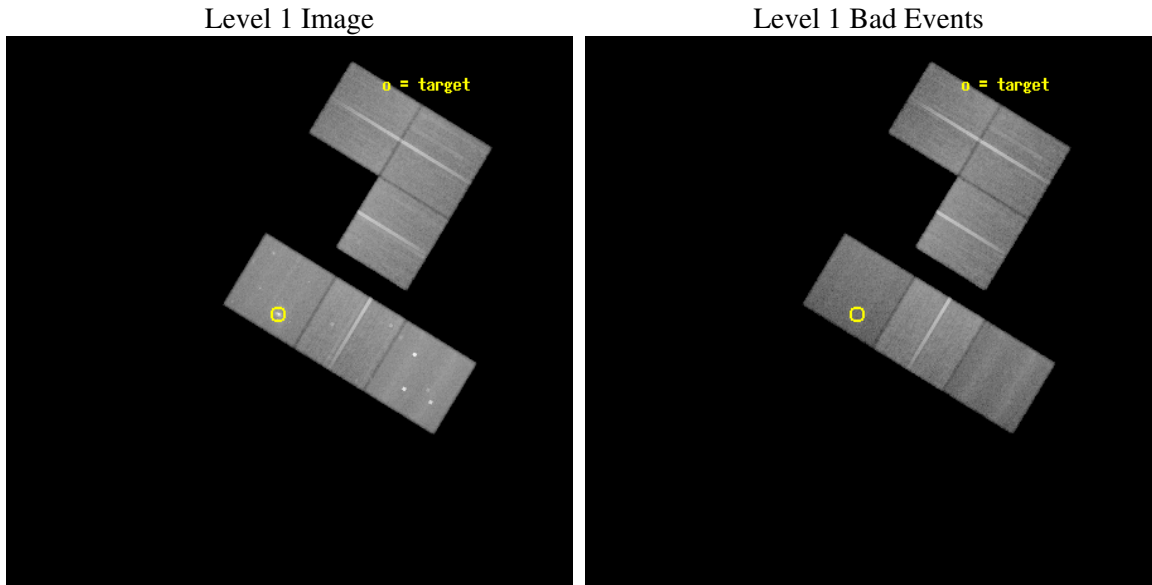
seq_num	600156
obs_id	2022
title	THE X-RAY STRUCTURE OF THE ARCHETYPAL MERGER NGC 1316
observer	Dr. Dong-Woo Kim
object	NGC 1316
dtcycle	0
cycle	P
ra_targ	50.67375
dec_targ	-37.208056
ra_nom	50.650269321172
dec_nom	-37.217348501861
roll_nom	211.33702170472
revision	2
ontime	30233.600028157
livetime	29850.763980112
ontime0	30233.600028157
ontime1	30233.600028157
ontime2	30233.600028157
ontime5	30233.600028157
ontime6	30233.600028157
ontime7	30233.600028157
l2events	521874



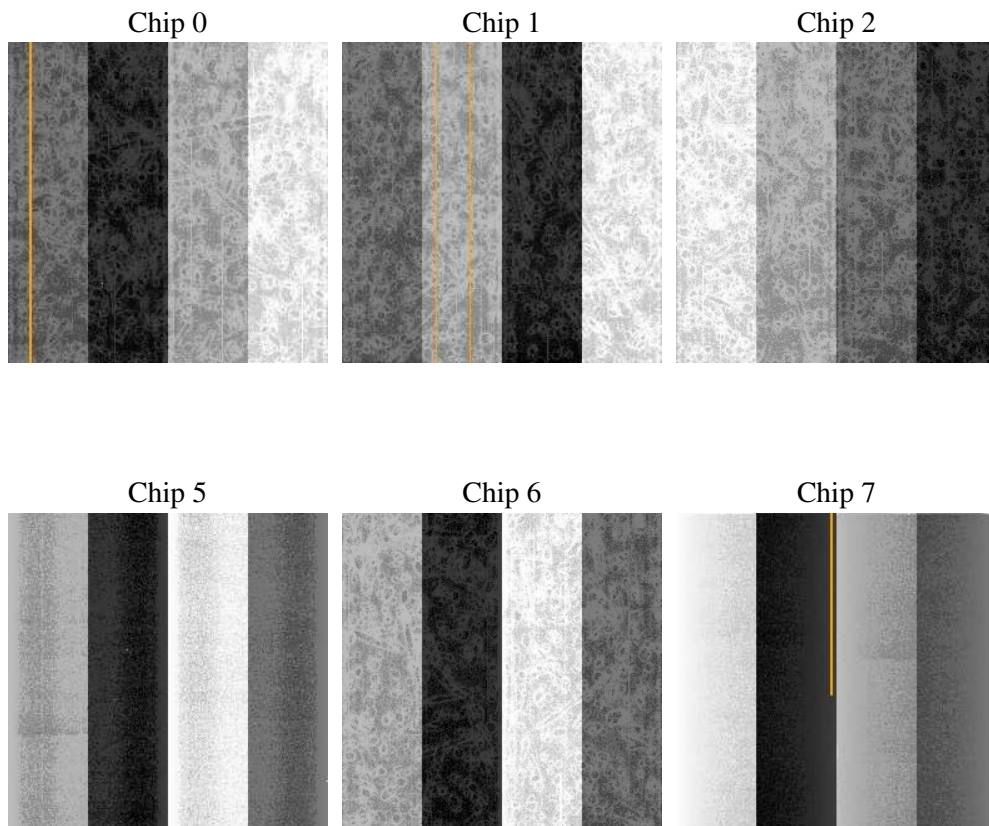
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-14T17:37:31
revision	2

sched_exp_time	30111.197000
ontime	31058.470904052
ontime0	31058.470884144
ontime1	31058.470884144
ontime2	31058.470884144
ontime5	31058.470904052
ontime6	31058.470884144
ontime7	31058.470904052
l1events	2086965

2.1.4 Events

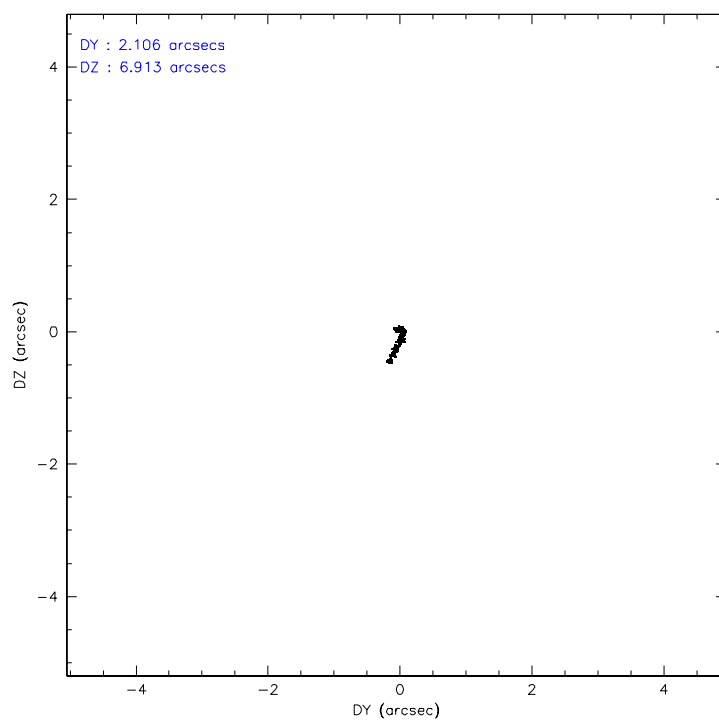
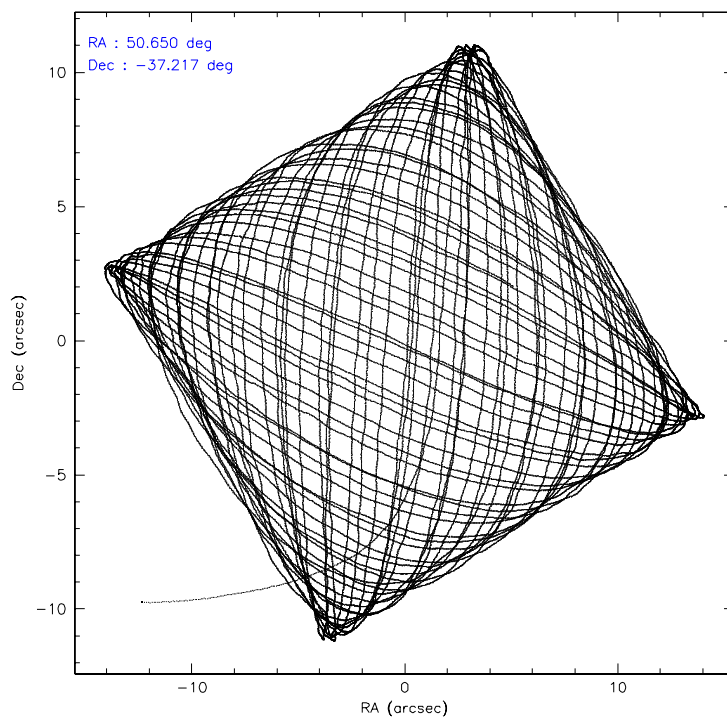
	ccd 0	ccd 1	ccd 2	ccd 5	ccd 6	ccd 7
level 1 events	331773	322523	366364	370101	365495	330709
rejected events	271155	262916	306308	182644	303139	169522
rejected %	81%	81%	83%	49%	82%	51%

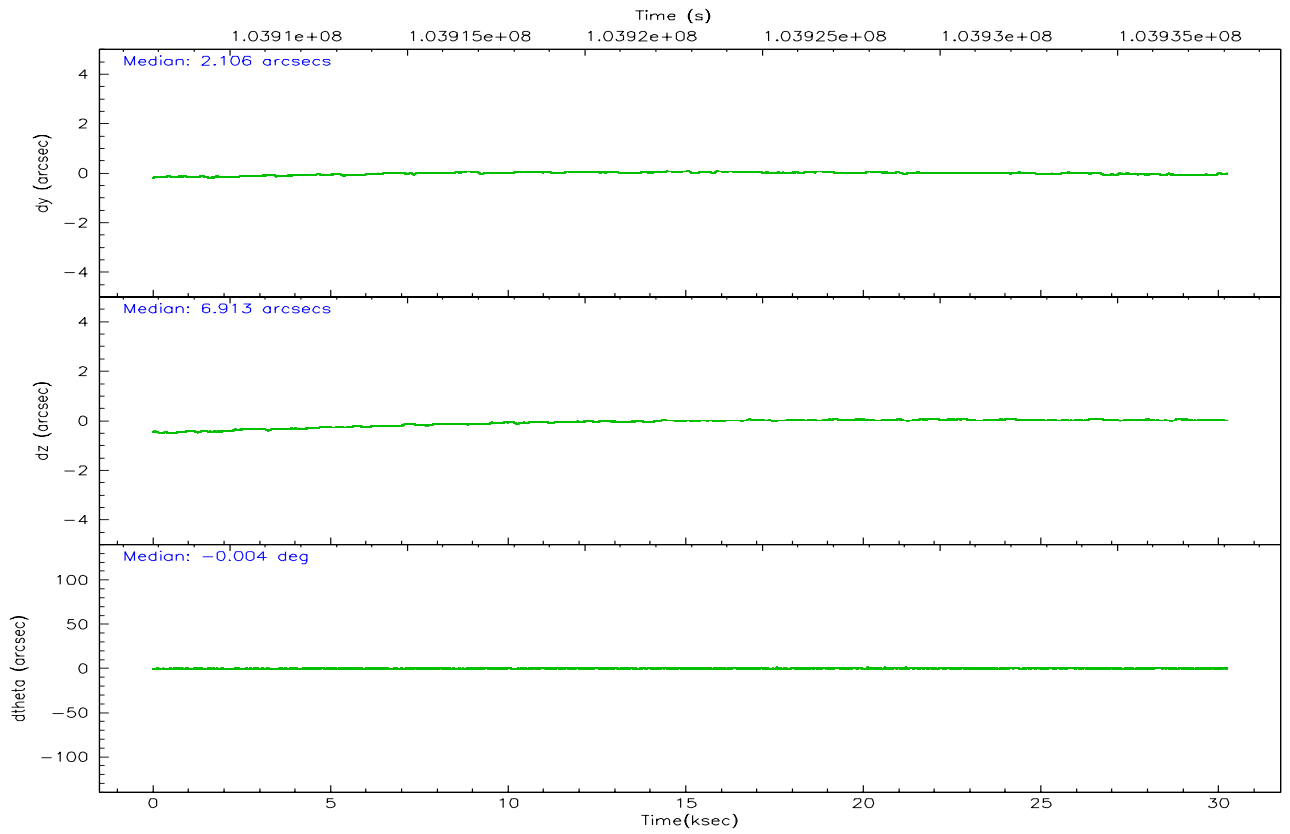
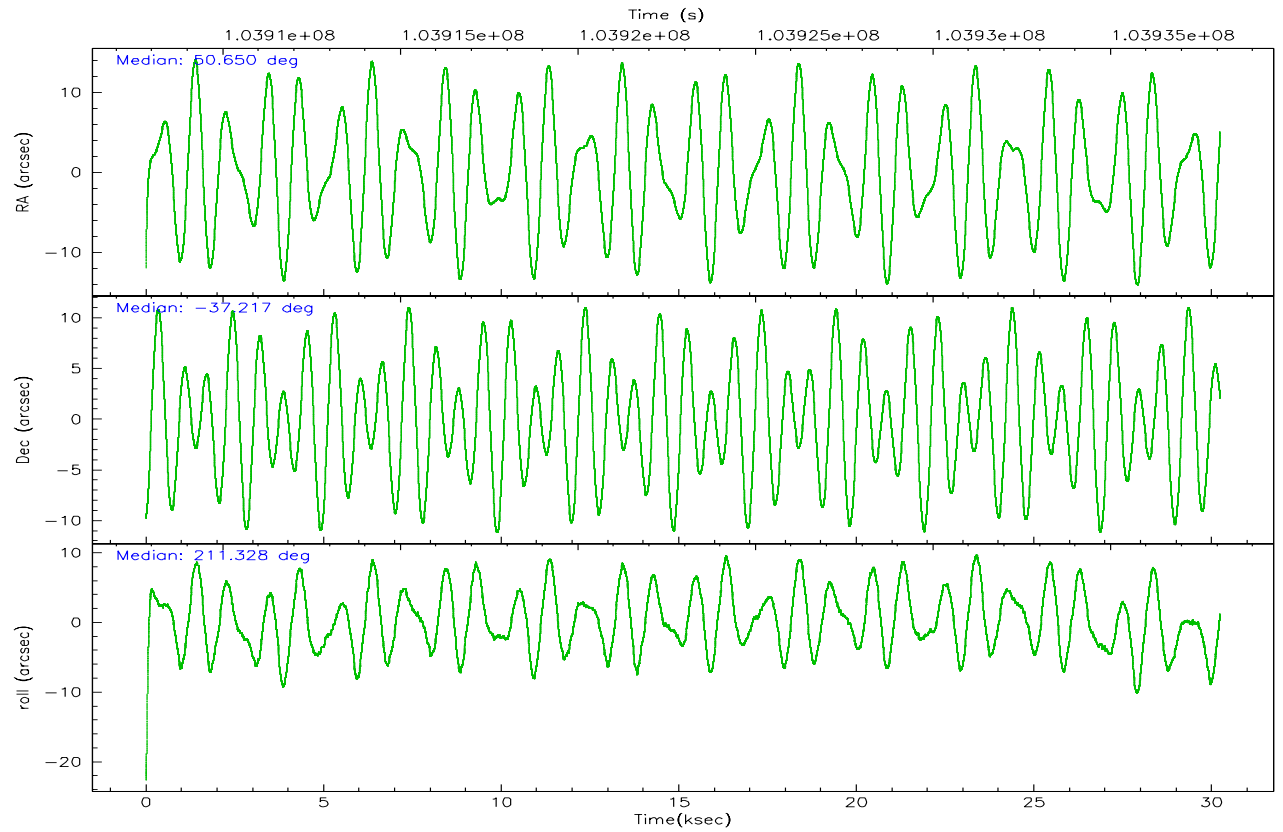
	ccd 0	ccd 1	ccd 2	ccd 5	ccd 6	ccd 7
grade 0 events	28259	25735	29645	28973	29328	17578
	8%	7%	8%	7%	8%	5%
grade 1 events	233	184	249	663	247	279
	0%	0%	0%	0%	0%	0%
grade 2 events	16128	16652	14390	60916	17178	43886
	4%	5%	3%	16%	4%	13%
grade 3 events	3554	3986	3137	6991	3527	10621
	1%	1%	0%	1%	0%	3%
grade 4 events	3810	3864	4123	6903	3556	10540
	1%	1%	1%	1%	0%	3%
grade 5 events	7328	7374	6735	15864	8158	18851
	2%	2%	1%	4%	2%	5%
grade 6 events	10407	10974	10360	88696	10420	82610
	3%	3%	2%	23%	2%	24%
grade 7 events	262054	253754	297725	161095	293081	146344
	78%	78%	81%	43%	80%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012567	ACIS-012567	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
Pointing RA	50.666429	50.65026932117205	Subarray requested	NONE	NONE
Pointing Dec	-37.193281	-37.21734850186063	Alternating exposures requested	N	N
Pointing Roll	211.190172	211.33702170472	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-184.132523	-184.1283381638419			
SIM translation stage offset (mm)	-6	-6.004184419165881			
Observation start time	103907973.184000	103906510.16913			
Observation start date	2001-04-17T15:18:29	2001-04-17T14:55:10			
Observation end time	103938085.184000	103938399.45787			
Observation end date	2001-04-17T23:40:21	2001-04-17T23:46:39			
Read mode	TIMED	TIMED			

2.3 Aspect



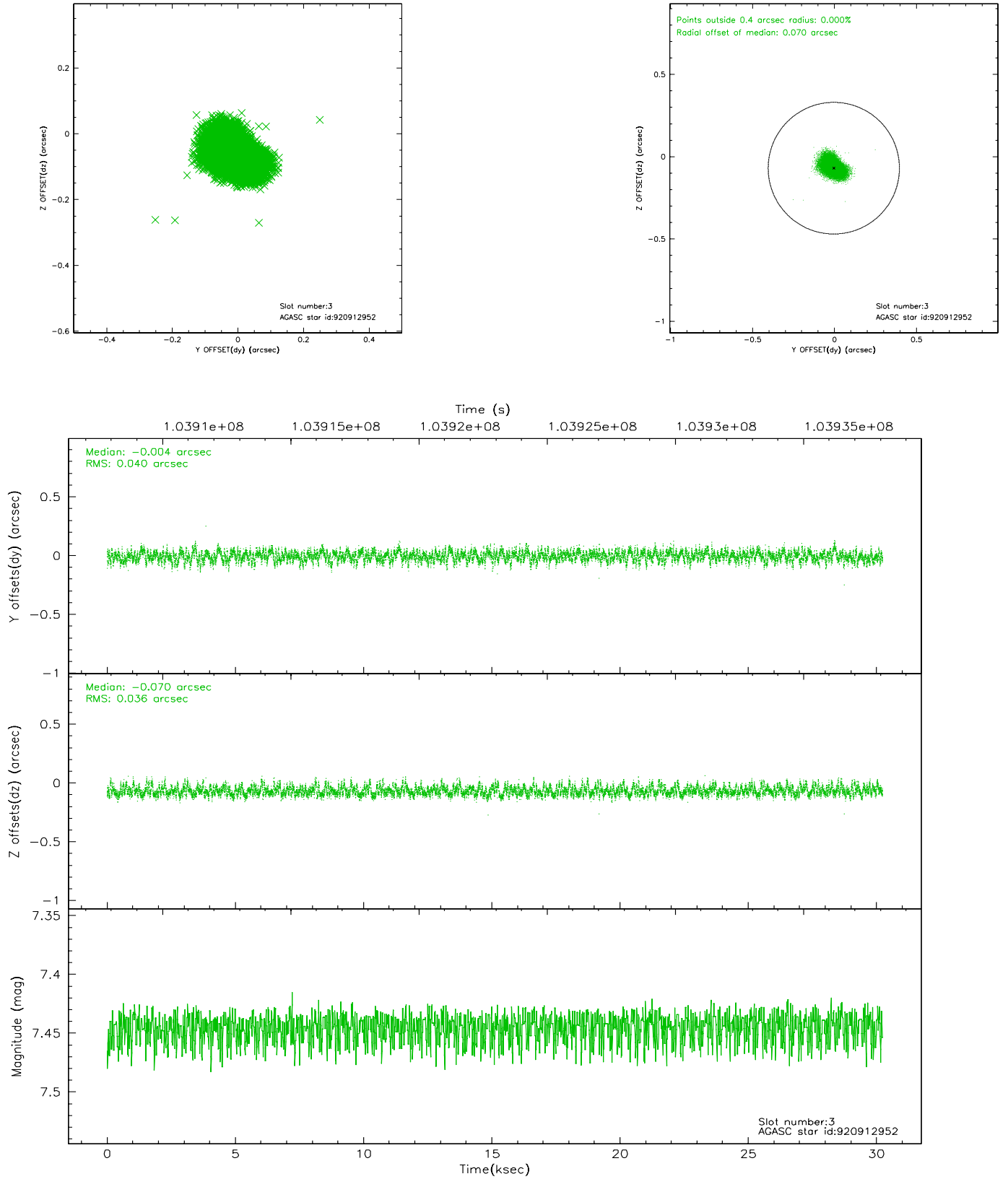


Slot Statistics

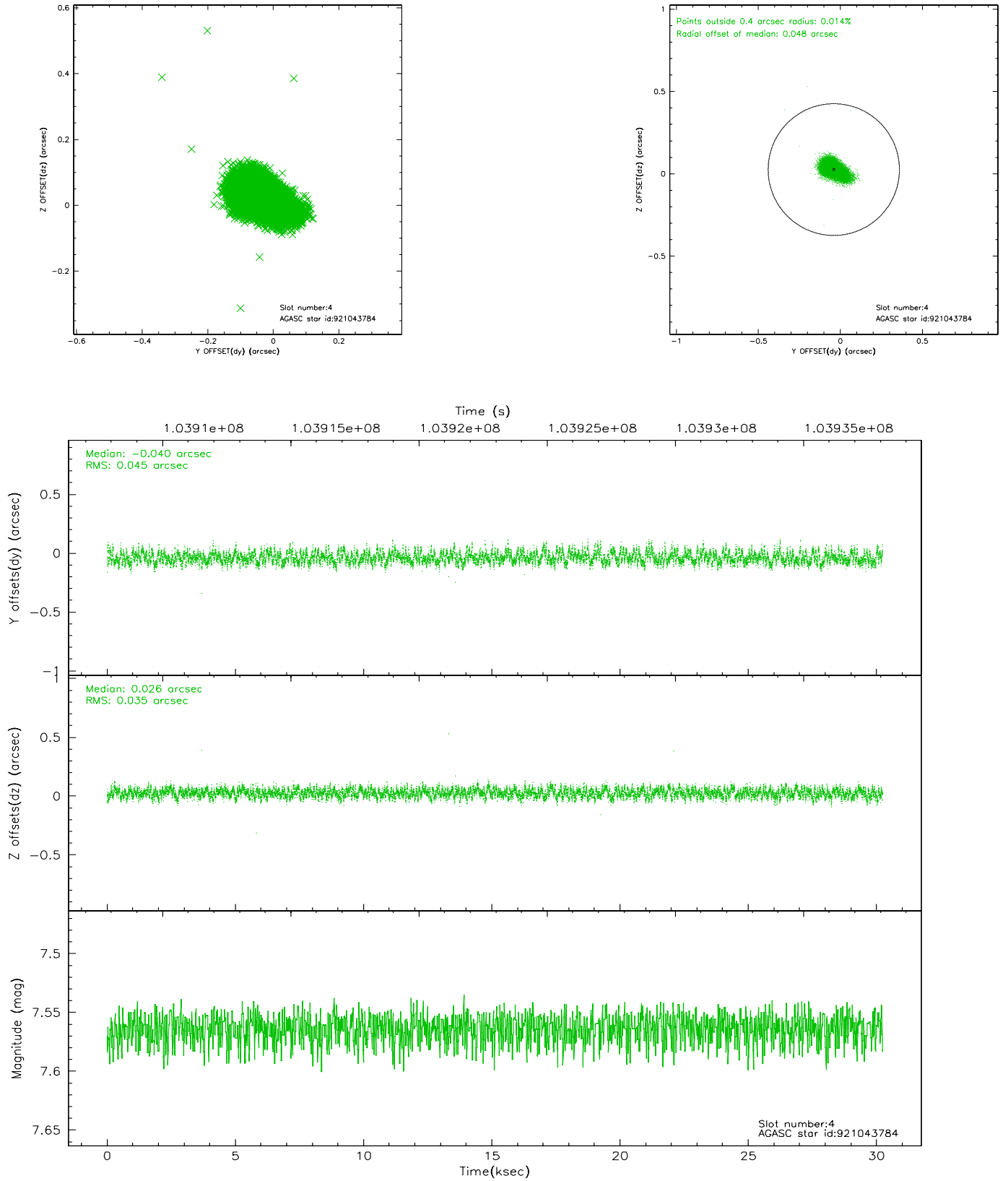
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.35	7376	-0.069	-0.024	0.007	0.012	0.000000	0.000000	58.85	-1980.84
1	FID	ACIS-S-4	7.18	7376	-0.047	0.048	0.007	0.013	0.000000	0.000000	2159.02	56.66
2	FID	ACIS-S-5	7.23	7377	0.088	-0.015	0.007	0.012	0.000000	0.000000	-1806.95	50.36
3	GUIDE	920912952	7.44	14752	-0.004	-0.070	0.057	0.093	50.997738	-37.170324	-855.10	423.54
4	GUIDE	921043784	7.56	14753	-0.040	0.026	0.059	0.098	51.303384	-37.152691	-1636.26	827.32
5	GUIDE	920913800	8.32	14754	0.051	0.019	0.071	0.111	50.699964	-36.577710	-1230.54	-1844.85
6	GUIDE	920916000	8.37	14748	-0.025	0.053	0.065	0.106	50.151900	-36.775522	492.57	-2050.67
7	GUIDE	991962208	9.67	14739	0.019	-0.032	0.099	0.167	50.043878	-37.678447	2424.83	581.54

2.4 Star Slots

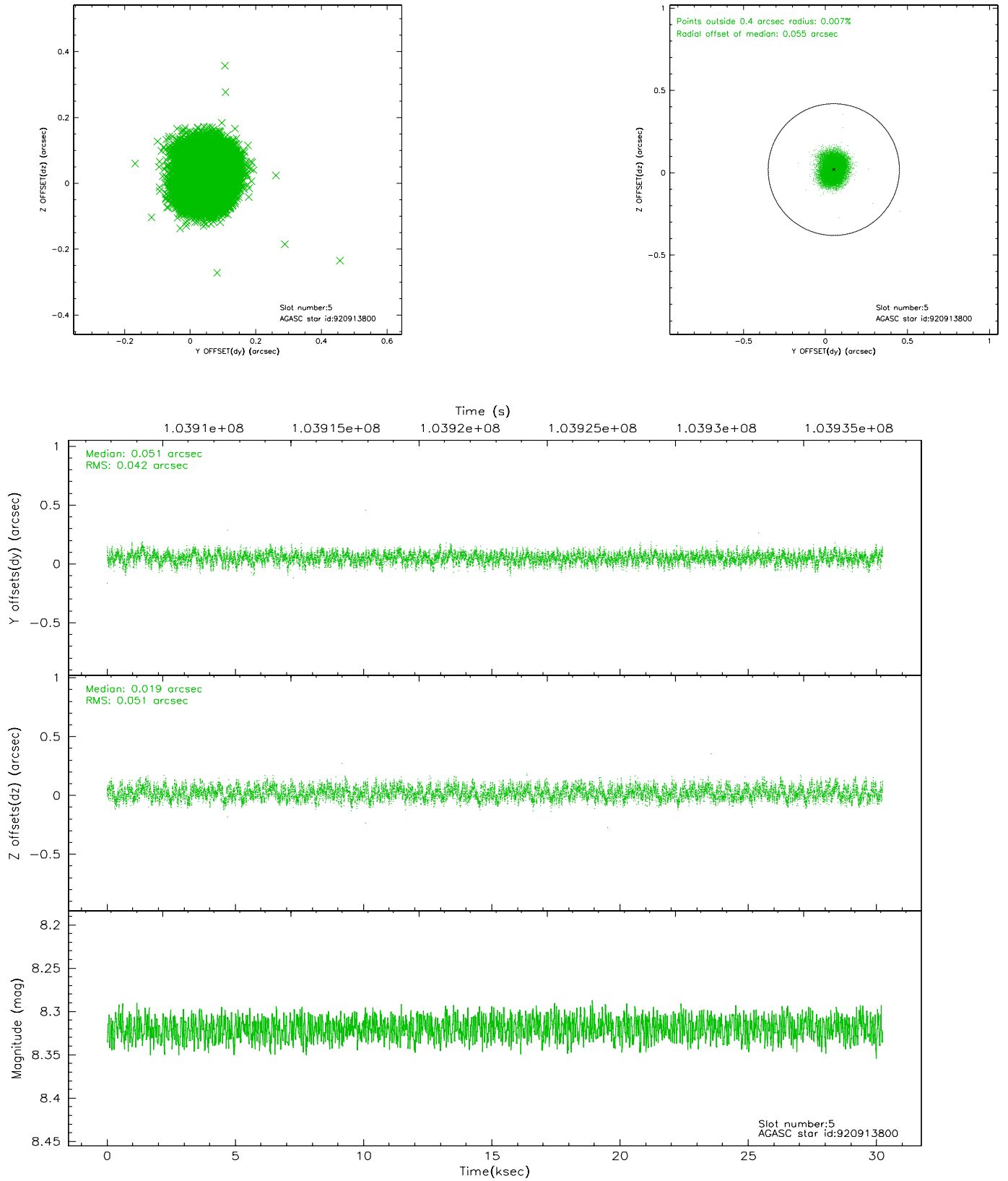
2.4.1 Slot 3



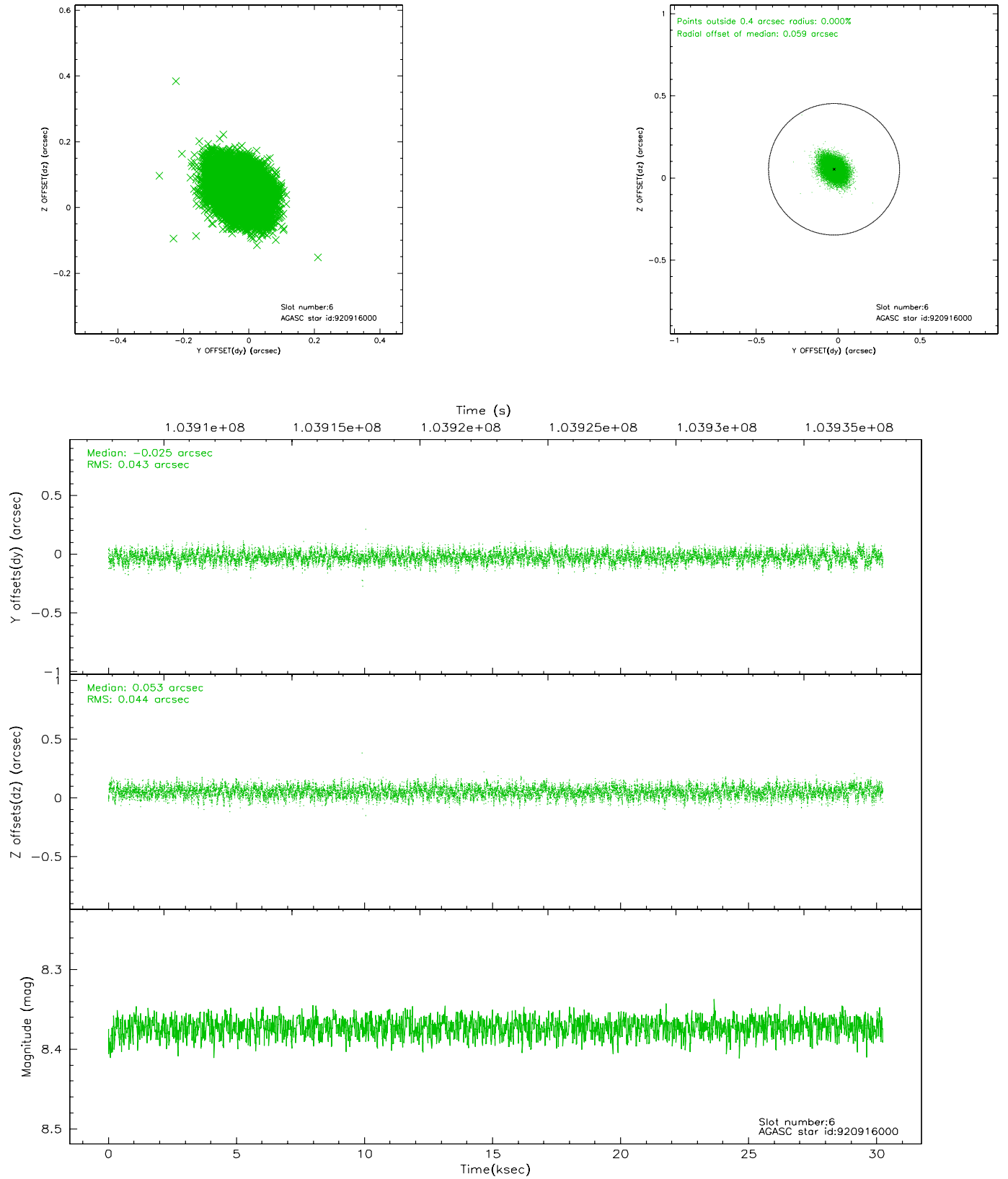
2.4.2 Slot 4



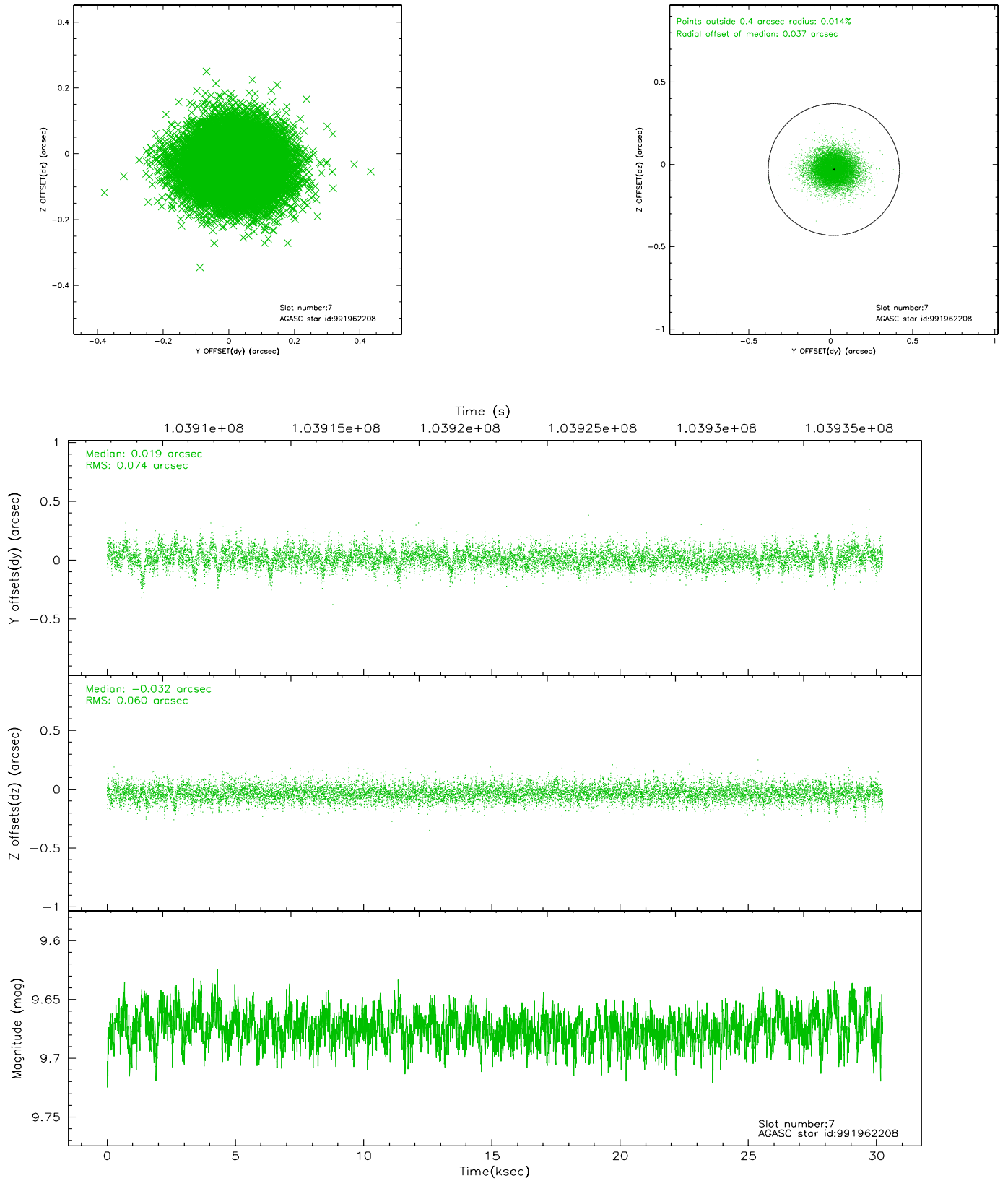
2.4.3 Slot 5



2.4.4 Slot 6

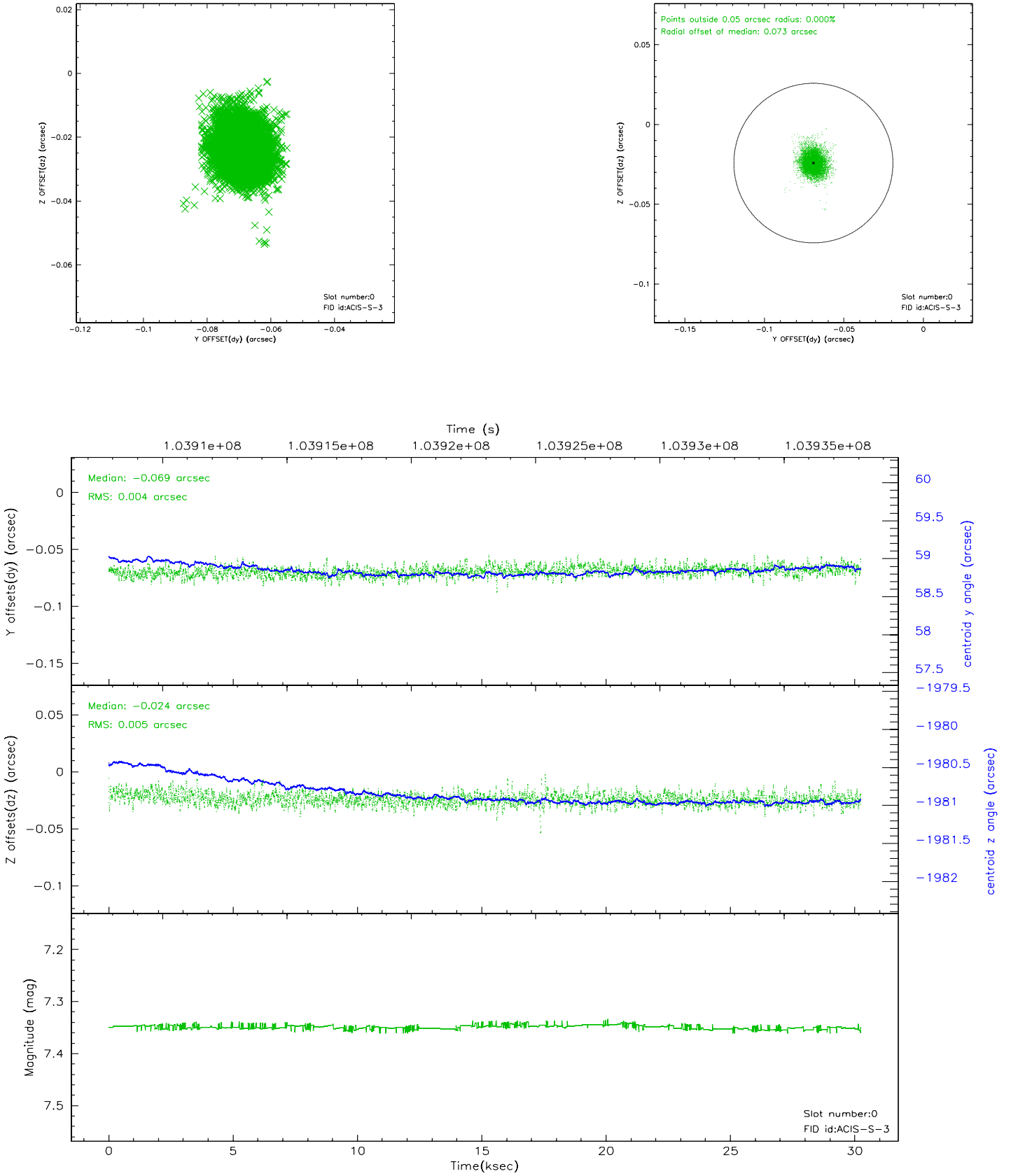


2.4.5 Slot 7

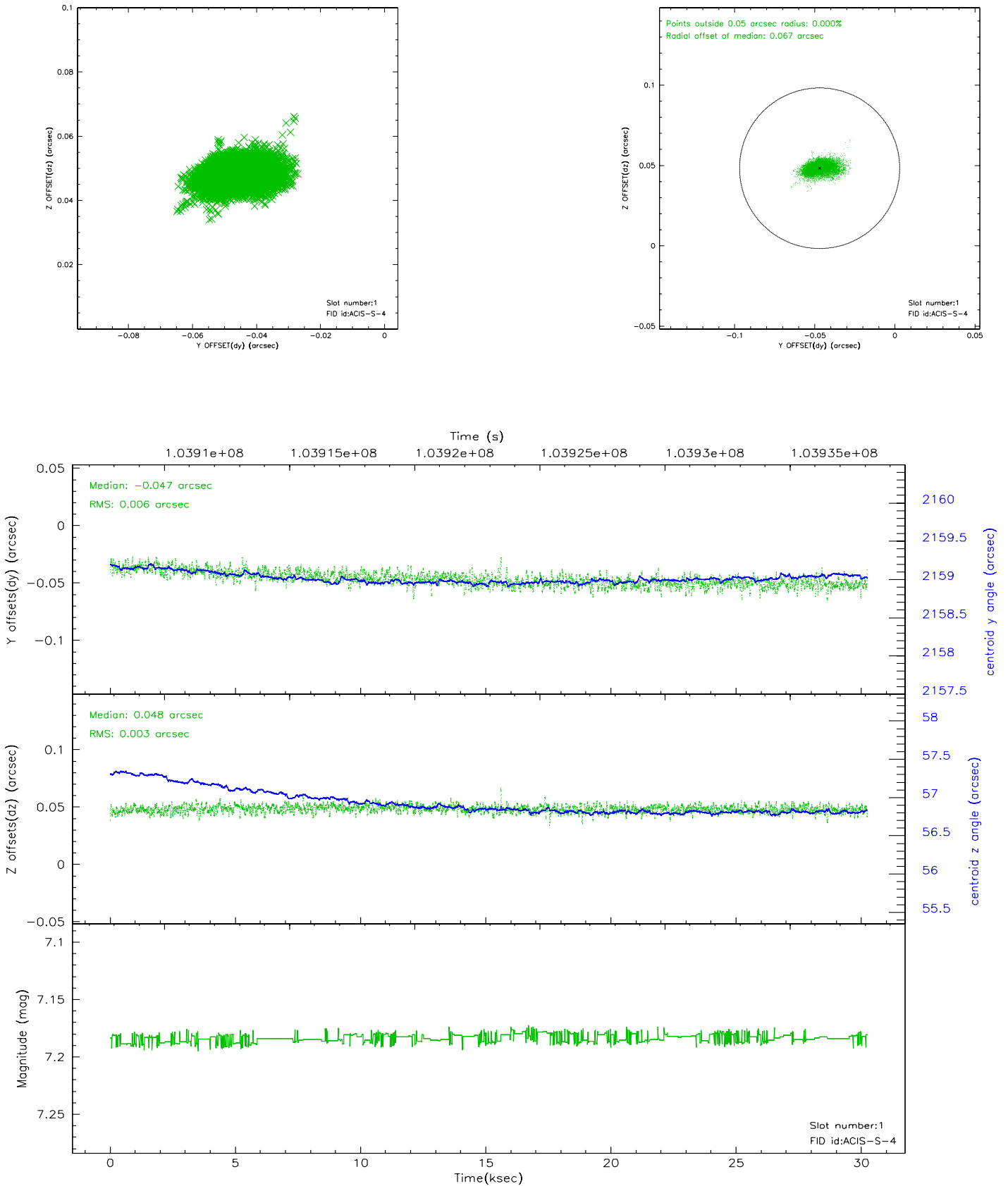


2.5 FID Slots

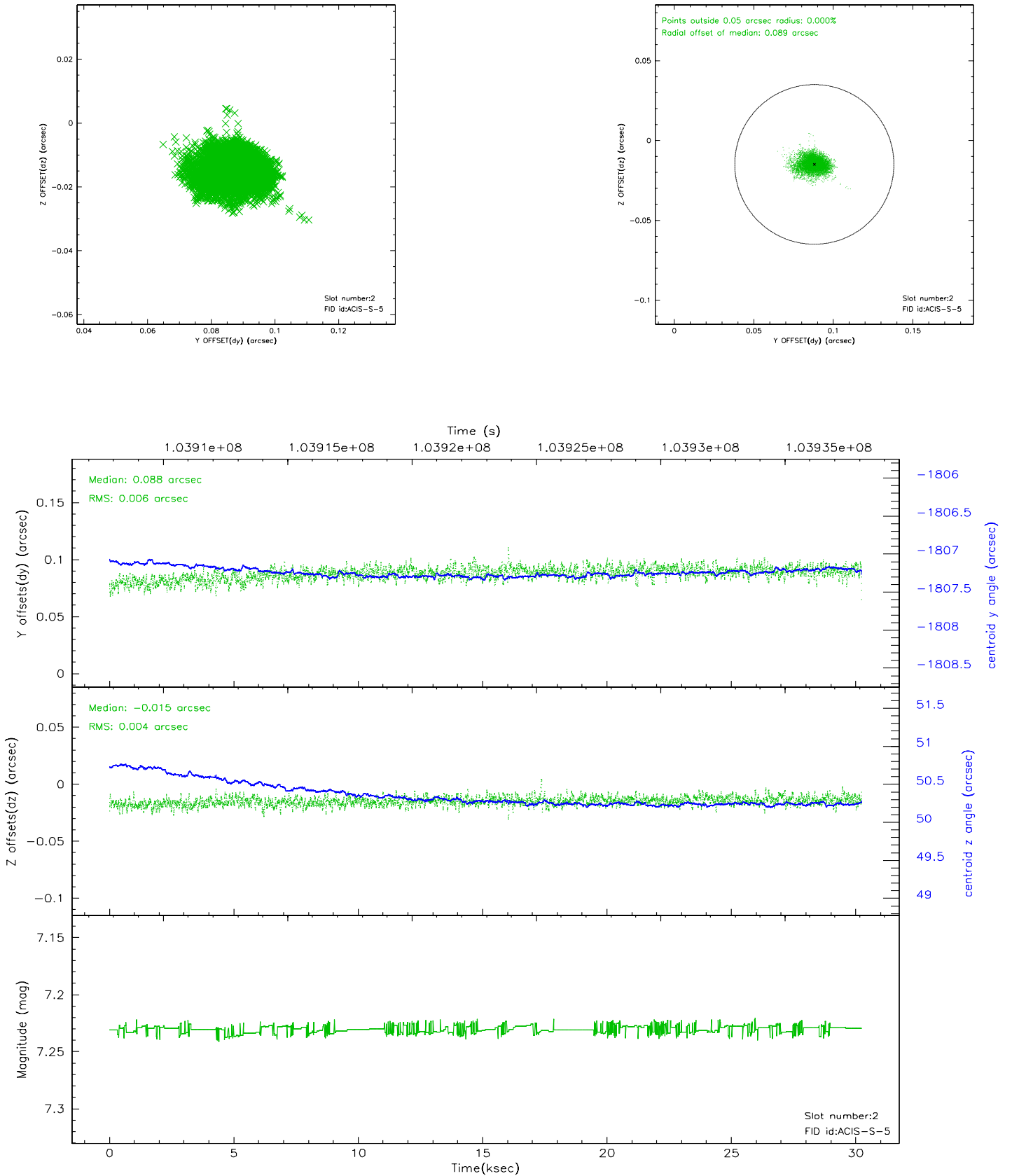
2.5.1 Slot 0



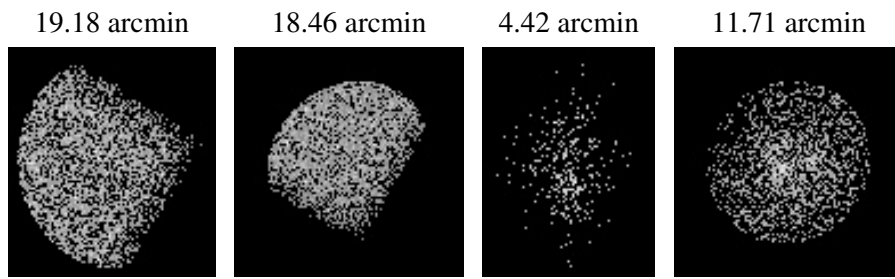
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.233

A.2 Comments